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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : CTO WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q1401

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1401

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q1401-01	BP-VPB-192-TB-20250217
Q1401-02	BP-VPB-192-GW-825-827
Q1401-03	BP-VPB-192-GW-840-842
Q1401-04	BP-VPB-192-GW-860-862
Q1401-06	BP-VPB-192-GW-900-902
Q1401-07	BP-VPB-192-GW-825-827
Q1401-08	BP-VPB-192-GW-860-862
Q1401-09	BP-VPB-192-GW-880-882

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

Signature : _____

Date: 3/4/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager: Ernie Wu
Chemtech Project # Q1401
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 02/20/2025.
5 Water samples were received on 02/20/2025.

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

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group1 was based on method 8260D.

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

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

The %RSD is greater than 20% in the Initial Calibration method (82X021025W.M) for Chloroethane is passing on Quadratic Regression.

The Continuous Calibration File ID VX045029.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone are failing high but no positive hit in associate samples therefore no corrective action taken and Acetone is Failing high but Associated sample having hit below CRQL, therefore no corrective action taken.

The Tuning criteria met requirements.

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

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data
.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

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

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

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

Signature_____

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1401 MATRIX: /Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82X021025W.M) for Chloroethane is passing on Quadratic Regression. The Continuous Calibration File ID VX045029.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone are failing high but no positive hit in associate samples therefore no corrective action taken and Acetone is Failing high but Associated sample having hit below CRQL, therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries met the acceptable criteria.		✓	
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples .			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

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

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

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1401

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

QA Review Signature: SOHIL JODHANI **Date:** 03/04/2025

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LAB CHRONICLE

OrderID:	Q1401	**OrderDate:**	2/20/2025 3:49:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	H31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1401-01	**BP-VPB-192-TB-2025 0217**	**Water**			**02/17/25**			**02/20/25**
			VOCMS Group1	8260-Low			02/25/25	
Q1401-03	**BP-VPB-192-GW-840-842**	**Water**			**02/18/25**			**02/20/25**
			VOCMS Group1	8260-Low			02/28/25	
Q1401-06	**BP-VPB-192-GW-900-902**	**Water**			**02/19/25**			**02/20/25**
			VOCMS Group1	8260-Low			02/28/25	
Q1401-07	**BP-VPB-192-GW-825-827**	**SOIL**			**02/17/25**			**02/20/25**
			VOCMS Group1	8260D			02/26/25	
Q1401-08	**BP-VPB-192-GW-860-862**	**SOIL**			**02/18/25**			**02/20/25**
			VOCMS Group1	8260D			02/26/25	
Q1401-09	**BP-VPB-192-GW-880-882**	**SOIL**			**02/19/25**			**02/20/25**
			VOCMS Group1	8260D			02/26/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1401

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-192-TB-20250217**								
Q1401-01	BP-VPB-192-TB-2(	Water	Acetone	2.40	J	1.40	3.80	5.00	ug/L
			Total Voc :	2.40					
			Total Concentration:	2.40					
Client ID:	**BP-VPB-192-GW-840-842**								
Q1401-03	BP-VPB-192-GW-8	Water	Acetone	17.4		1.40	3.80	5.00	ug/L
Q1401-03	BP-VPB-192-GW-8	Water	Carbon Disulfide	0.49	J	0.32	0.75	1.00	ug/L
Q1401-03	BP-VPB-192-GW-8	Water	2-Butanone	4.30	J	1.30	2.50	5.00	ug/L
			Total Voc :	22.2					
			Total Concentration:	22.2					
Client ID:	**BP-VPB-192-GW-900-902**								
Q1401-06	BP-VPB-192-GW-9	Water	Acetone	11.8		1.40	3.80	5.00	ug/L
Q1401-06	BP-VPB-192-GW-9	Water	Carbon Disulfide	0.49	J	0.32	0.75	1.00	ug/L
			Total Voc :	12.3					
			Total Concentration:	12.3					

QC SUMMARY

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Surrogate Summary

SDG No.: Q1401

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1401-07	BP-VPB-192-GW-825-827	1,2-Dichloroethane-d4	50	61.3	123	71	136
		Dibromofluoromethane	50	52.0	104	78	119
		Toluene-d8	50	49.4	99	85	116
		4-Bromofluorobenzene	50	56.0	112	79	119
Q1401-08	BP-VPB-192-GW-860-862	1,2-Dichloroethane-d4	50	67.8	136	71	136
		Dibromofluoromethane	50	53.2	106	78	119
		Toluene-d8	50	49.6	99	85	116
		4-Bromofluorobenzene	50	58.5	117	79	119
Q1401-09	BP-VPB-192-GW-880-882	1,2-Dichloroethane-d4	50	59.1	118	71	136
		Dibromofluoromethane	50	50.8	102	78	119
		Toluene-d8	50	49.4	99	85	116
		4-Bromofluorobenzene	50	55.8	112	79	119
VY0226SBL01	VY0226SBL01	1,2-Dichloroethane-d4	50	53.1	106	71	136
		Dibromofluoromethane	50	49.5	99	78	119
		Toluene-d8	50	49.1	98	85	116
		4-Bromofluorobenzene	50	50.1	100	79	119
VY0226SBS01	VY0226SBS01	1,2-Dichloroethane-d4	50	46.7	93	71	136
		Dibromofluoromethane	50	47.4	95	78	119
		Toluene-d8	50	47.6	95	85	116
		4-Bromofluorobenzene	50	47.3	95	79	119
VY0226SBSD01	VY0226SBSD01	1,2-Dichloroethane-d4	50	48.5	97	71	136
		Dibromofluoromethane	50	49.1	98	78	119
		Toluene-d8	50	49.9	100	85	116
		4-Bromofluorobenzene	50	50.3	101	79	119

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Surrogate Summary

SDG No.: Q1401

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1401-01	BP-VPB-192-TB-20250217	1,2-Dichloroethane-d4	50	52.4	105	81	118
		Dibromofluoromethane	50	47.9	96	80	119
		Toluene-d8	50	46.8	94	89	112
		4-Bromofluorobenzene	50	46.9	94	85	114
Q1401-03	BP-VPB-192-GW-840-842	1,2-Dichloroethane-d4	50	52.3	105	81	118
		Dibromofluoromethane	50	50.6	101	80	119
		Toluene-d8	50	51.8	104	89	112
		4-Bromofluorobenzene	50	52.6	105	85	114
Q1401-06	BP-VPB-192-GW-900-902	1,2-Dichloroethane-d4	50	51.1	102	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	51.3	103	85	114
VX0225WBL01	VX0225WBL01	1,2-Dichloroethane-d4	50	53.6	107	81	118
		Dibromofluoromethane	50	50.3	101	80	119
		Toluene-d8	50	48.4	97	89	112
		4-Bromofluorobenzene	50	47.5	95	85	114
VX0225WBS01	VX0225WBS01	1,2-Dichloroethane-d4	50	53.0	106	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	51.6	103	85	114
VX0225WBSD0	VX0225WBSD01	1,2-Dichloroethane-d4	50	53.4	107	81	118
		Dibromofluoromethane	50	53.7	107	80	119
		Toluene-d8	50	49.7	99	89	112
		4-Bromofluorobenzene	50	53.8	108	85	114
VX0228WBL01	VX0228WBL01	1,2-Dichloroethane-d4	50	50.0	100	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	53.3	107	85	114
VX0228WBS01	VX0228WBS01	1,2-Dichloroethane-d4	50	46.9	94	81	118
		Dibromofluoromethane	50	48.2	96	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	51.0	102	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1401

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045032.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0225WBS01	Chloromethane	20	15.3	ug/L	77			50	139	
	Vinyl chloride	20	16.6	ug/L	83			58	137	
	Bromomethane	20	20.6	ug/L	103			53	141	
	Chloroethane	20	21.1	ug/L	106			60	138	
	Trichlorofluoromethane	20	18.6	ug/L	93			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.1	ug/L	96			70	136	
	1,1-Dichloroethene	20	17.0	ug/L	85			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	15.3	ug/L	77			64	133	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			71	124	
	Methylene Chloride	20	18.5	ug/L	93			74	124	
	trans-1,2-Dichloroethene	20	17.7	ug/L	89			75	124	
	1,1-Dichloroethane	20	18.7	ug/L	94			77	125	
	2-Butanone	100	120	ug/L	120			56	143	
	Carbon Tetrachloride	20	19.6	ug/L	98			72	136	
	cis-1,2-Dichloroethene	20	18.8	ug/L	94			78	123	
	Chloroform	20	19.6	ug/L	98			79	124	
	1,1,1-Trichloroethane	20	18.7	ug/L	94			74	131	
	Methylcyclohexane	20	18.2	ug/L	91			72	132	
	Benzene	20	19.1	ug/L	96			79	120	
	1,2-Dichloroethane	20	21.3	ug/L	106			73	128	
	Trichloroethene	20	19.2	ug/L	96			79	123	
	1,2-Dichloropropane	20	19.8	ug/L	99			78	122	
	Bromodichloromethane	20	20.4	ug/L	102			79	125	
	4-Methyl-2-Pentanone	100	120	ug/L	120			67	130	
	Toluene	20	19.6	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	18.7	ug/L	94			73	127	
	cis-1,3-Dichloropropene	20	19.3	ug/L	97			75	124	
	1,1,2-Trichloroethane	20	20.7	ug/L	104			80	119	
	2-Hexanone	100	120	ug/L	120			57	139	
	Dibromochloromethane	20	20.2	ug/L	101			74	126	
	Tetrachloroethene	20	19.2	ug/L	96			74	129	
	Chlorobenzene	20	19.5	ug/L	98			82	118	
	Ethyl Benzene	20	19.0	ug/L	95			79	121	
	m/p-Xylenes	40	38.8	ug/L	97			80	121	
	o-Xylene	20	19.5	ug/L	98			78	122	
	Styrene	20	20.0	ug/L	100			78	123	
	Bromoform	20	21.0	ug/L	105			66	130	
	Isopropylbenzene	20	19.0	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			71	121	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			80	119	
	1,4-Dichlorobenzene	20	18.6	ug/L	93			79	118	
	1,2-Dichlorobenzene	20	19.2	ug/L	96			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1401

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045033.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0225WBSD01	Chloromethane	20	15.6	ug/L	78	1		50	139	20
	Vinyl chloride	20	16.1	ug/L	81	2		58	137	20
	Bromomethane	20	20.5	ug/L	103	0		53	141	20
	Chloroethane	20	22.7	ug/L	114	7		60	138	20
	Trichlorofluoromethane	20	18.9	ug/L	95	2		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92	4		70	136	20
	1,1-Dichloroethene	20	17.1	ug/L	86	1		71	131	20
	Acetone	100	120	ug/L	120	9		39	160	20
	Carbon disulfide	20	15.3	ug/L	77	0		64	133	20
	Methyl tert-butyl Ether	20	19.2	ug/L	96	2		71	124	20
	Methylene Chloride	20	18.5	ug/L	93	0		74	124	20
	trans-1,2-Dichloroethene	20	17.6	ug/L	88	1		75	124	20
	1,1-Dichloroethane	20	18.6	ug/L	93	1		77	125	20
	2-Butanone	100	120	ug/L	120	0		56	143	20
	Carbon Tetrachloride	20	19.6	ug/L	98	0		72	136	20
	cis-1,2-Dichloroethene	20	18.6	ug/L	93	1		78	123	20
	Chloroform	20	19.7	ug/L	99	1		79	124	20
	1,1,1-Trichloroethane	20	18.9	ug/L	95	1		74	131	20
	Methylcyclohexane	20	18.8	ug/L	94	3		72	132	20
	Benzene	20	18.8	ug/L	94	2		79	120	20
	1,2-Dichloroethane	20	21.5	ug/L	108	2		73	128	20
	Trichloroethene	20	19.4	ug/L	97	1		79	123	20
	1,2-Dichloropropane	20	19.9	ug/L	100	1		78	122	20
	Bromodichloromethane	20	20.9	ug/L	104	2		79	125	20
	4-Methyl-2-Pentanone	100	130	ug/L	130	8		67	130	20
	Toluene	20	19.3	ug/L	97	1		80	121	20
	t-1,3-Dichloropropene	20	18.3	ug/L	92	2		73	127	20
	cis-1,3-Dichloropropene	20	19.7	ug/L	99	2		75	124	20
	1,1,2-Trichloroethane	20	21.0	ug/L	105	1		80	119	20
	2-Hexanone	100	130	ug/L	130	8		57	139	20
	Dibromochloromethane	20	20.7	ug/L	104	3		74	126	20
	Tetrachloroethene	20	19.2	ug/L	96	0		74	129	20
	Chlorobenzene	20	19.3	ug/L	97	1		82	118	20
	Ethyl Benzene	20	19.2	ug/L	96	1		79	121	20
	m/p-Xylenes	40	39.5	ug/L	99	2		80	121	20
	o-Xylene	20	19.3	ug/L	97	1		78	122	20
	Styrene	20	20.2	ug/L	101	1		78	123	20
	Bromoform	20	21.2	ug/L	106	1		66	130	20
	Isopropylbenzene	20	18.7	ug/L	94	1		72	131	20
	1,1,2,2-Tetrachloroethane	20	20.2	ug/L	101	2		71	121	20
	1,3-Dichlorobenzene	20	19.2	ug/L	96	3		80	119	20
	1,4-Dichlorobenzene	20	18.6	ug/L	93	0		79	118	20
	1,2-Dichlorobenzene	20	19.8	ug/L	99	3		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1401

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045080.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0228WBS01	Chloromethane	20	18.6	ug/L	93			50	139	
	Vinyl chloride	20	18.4	ug/L	92			58	137	
	Bromomethane	20	17.7	ug/L	89			53	141	
	Chloroethane	20	16.6	ug/L	83			60	138	
	Trichlorofluoromethane	20	18.6	ug/L	93			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/L	100			70	136	
	1,1-Dichloroethene	20	18.1	ug/L	91			71	131	
	Acetone	100	83.3	ug/L	83			39	160	
	Carbon disulfide	20	17.7	ug/L	89			64	133	
	Methyl tert-butyl Ether	20	17.9	ug/L	90			71	124	
	Methylene Chloride	20	17.9	ug/L	90			74	124	
	trans-1,2-Dichloroethene	20	18.6	ug/L	93			75	124	
	1,1-Dichloroethane	20	17.9	ug/L	90			77	125	
	2-Butanone	100	91.6	ug/L	92			56	143	
	Carbon Tetrachloride	20	18.5	ug/L	93			72	136	
	cis-1,2-Dichloroethene	20	18.2	ug/L	91			78	123	
	Chloroform	20	18.1	ug/L	91			79	124	
	1,1,1-Trichloroethane	20	18.2	ug/L	91			74	131	
	Methylcyclohexane	20	20.8	ug/L	104			72	132	
	Benzene	20	19.0	ug/L	95			79	120	
	1,2-Dichloroethane	20	18.6	ug/L	93			73	128	
	Trichloroethene	20	18.6	ug/L	93			79	123	
	1,2-Dichloropropane	20	18.6	ug/L	93			78	122	
	Bromodichloromethane	20	18.6	ug/L	93			79	125	
	4-Methyl-2-Pentanone	100	95.6	ug/L	96			67	130	
	Toluene	20	19.6	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	19.5	ug/L	98			73	127	
	cis-1,3-Dichloropropene	20	20.0	ug/L	100			75	124	
	1,1,2-Trichloroethane	20	19.1	ug/L	96			80	119	
	2-Hexanone	100	97.0	ug/L	97			57	139	
	Dibromochloromethane	20	18.5	ug/L	93			74	126	
	Tetrachloroethene	20	19.0	ug/L	95			74	129	
	Chlorobenzene	20	19.6	ug/L	98			82	118	
	Ethyl Benzene	20	19.4	ug/L	97			79	121	
	m/p-Xylenes	40	40.1	ug/L	100			80	121	
	o-Xylene	20	19.7	ug/L	99			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	18.2	ug/L	91			66	130	
	Isopropylbenzene	20	19.4	ug/L	97			72	131	
	1,1,2,2-Tetrachloroethane	20	18.3	ug/L	92			71	121	
	1,3-Dichlorobenzene	20	19.5	ug/L	98			80	119	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1401

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D **Datafile :** VY021322.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0226SBS01	Chloromethane	20	18.9	ug/Kg	95			50	136	
	Vinyl chloride	20	19.3	ug/Kg	97			56	135	
	Bromomethane	20	19.2	ug/Kg	96			53	143	
	Chloroethane	20	19.0	ug/Kg	95			59	139	
	Trichlorofluoromethane	20	19.0	ug/Kg	95			62	140	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99			66	136	
	1,1-Dichloroethene	20	19.0	ug/Kg	95			70	131	
	Acetone	100	94.9	ug/Kg	95			36	164	
	Carbon disulfide	20	18.6	ug/Kg	93			63	132	
	Methyl tert-butyl Ether	20	19.1	ug/Kg	96			73	125	
	Methylene Chloride	20	18.5	ug/Kg	93			70	128	
	trans-1,2-Dichloroethene	20	19.0	ug/Kg	95			74	125	
	1,1-Dichloroethane	20	19.1	ug/Kg	96			76	125	
	2-Butanone	100	92.9	ug/Kg	93			51	148	
	Carbon Tetrachloride	20	19.0	ug/Kg	95			70	135	
	cis-1,2-Dichloroethene	20	19.2	ug/Kg	96			77	123	
	Chloroform	20	19.3	ug/Kg	97			78	123	
	1,1,1-Trichloroethane	20	19.2	ug/Kg	96			73	130	
	Methylcyclohexane	20	18.9	ug/Kg	95			66	133	
	Benzene	20	19.3	ug/Kg	97			77	121	
	1,2-Dichloroethane	20	19.2	ug/Kg	96			73	128	
	Trichloroethene	20	19.2	ug/Kg	96			77	123	
	1,2-Dichloropropane	20	19.1	ug/Kg	96			76	123	
	Bromodichloromethane	20	19.1	ug/Kg	96			75	127	
	4-Methyl-2-Pentanone	100	93.3	ug/Kg	93			65	135	
	Toluene	20	19.3	ug/Kg	97			77	121	
	t-1,3-Dichloropropene	20	19.0	ug/Kg	95			71	130	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			74	126	
	1,1,2-Trichloroethane	20	19.1	ug/Kg	96			78	121	
	2-Hexanone	100	93.8	ug/Kg	94			53	145	
	Dibromochloromethane	20	19.3	ug/Kg	97			74	126	
	Tetrachloroethene	20	19.2	ug/Kg	96			73	128	
	Chlorobenzene	20	19.0	ug/Kg	95			79	120	
	Ethyl Benzene	20	19.0	ug/Kg	95			76	122	
	m/p-Xylenes	40	38.8	ug/Kg	97			77	124	
	o-Xylene	20	19.3	ug/Kg	97			77	123	
	Styrene	20	19.3	ug/Kg	97			76	124	
	Bromoform	20	19.1	ug/Kg	96			67	132	
	Isopropylbenzene	20	19.1	ug/Kg	96			68	134	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/Kg	94			70	124	
	1,3-Dichlorobenzene	20	19.1	ug/Kg	96			77	121	
	1,4-Dichlorobenzene	20	19.2	ug/Kg	96			75	120	
	1,2-Dichlorobenzene	20	18.8	ug/Kg	94			78	121	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1401

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D **Datafile :** VY021323.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0226SBSD01	Chloromethane	20	19.6	ug/Kg	98	3		50	136	20
	Vinyl chloride	20	19.4	ug/Kg	97	0		56	135	20
	Bromomethane	20	19.4	ug/Kg	97	1		53	143	20
	Chloroethane	20	19.6	ug/Kg	98	3		59	139	20
	Trichlorofluoromethane	20	19.2	ug/Kg	96	1		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100	1		66	136	20
	1,1-Dichloroethene	20	19.2	ug/Kg	96	1		70	131	20
	Acetone	100	91.3	ug/Kg	91	4		36	164	20
	Carbon disulfide	20	19.2	ug/Kg	96	3		63	132	20
	Methyl tert-butyl Ether	20	19.5	ug/Kg	98	2		73	125	20
	Methylene Chloride	20	18.9	ug/Kg	95	2		70	128	20
	trans-1,2-Dichloroethene	20	19.4	ug/Kg	97	2		74	125	20
	1,1-Dichloroethane	20	19.5	ug/Kg	98	2		76	125	20
	2-Butanone	100	94.4	ug/Kg	94	1		51	148	20
	Carbon Tetrachloride	20	19.6	ug/Kg	98	3		70	135	20
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100	4		77	123	20
	Chloroform	20	19.5	ug/Kg	98	1		78	123	20
	1,1,1-Trichloroethane	20	19.2	ug/Kg	96	0		73	130	20
	Methylcyclohexane	20	19.5	ug/Kg	98	3		66	133	20
	Benzene	20	19.9	ug/Kg	100	3		77	121	20
	1,2-Dichloroethane	20	19.7	ug/Kg	99	3		73	128	20
	Trichloroethene	20	19.6	ug/Kg	98	2		77	123	20
	1,2-Dichloropropane	20	19.6	ug/Kg	98	2		76	123	20
	Bromodichloromethane	20	19.5	ug/Kg	98	2		75	127	20
	4-Methyl-2-Pentanone	100	97.8	ug/Kg	98	5		65	135	20
	Toluene	20	19.7	ug/Kg	99	2		77	121	20
	t-1,3-Dichloropropene	20	19.8	ug/Kg	99	4		71	130	20
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97	0		74	126	20
	1,1,2-Trichloroethane	20	19.4	ug/Kg	97	1		78	121	20
	2-Hexanone	100	96.5	ug/Kg	97	3		53	145	20
	Dibromochloromethane	20	19.8	ug/Kg	99	2		74	126	20
	Tetrachloroethene	20	19.7	ug/Kg	99	3		73	128	20
	Chlorobenzene	20	19.6	ug/Kg	98	3		79	120	20
	Ethyl Benzene	20	19.2	ug/Kg	96	1		76	122	20
	m/p-Xylenes	40	38.6	ug/Kg	97	0		77	124	20
	o-Xylene	20	19.4	ug/Kg	97	0		77	123	20
	Styrene	20	19.8	ug/Kg	99	2		76	124	20
	Bromoform	20	19.1	ug/Kg	96	0		67	132	20
	Isopropylbenzene	20	19.7	ug/Kg	99	3		68	134	20
	1,1,2,2-Tetrachloroethane	20	19.4	ug/Kg	97	3		70	124	20
	1,3-Dichlorobenzene	20	19.7	ug/Kg	99	3		77	121	20
	1,4-Dichlorobenzene	20	19.8	ug/Kg	99	3		75	120	20
	1,2-Dichlorobenzene	20	19.5	ug/Kg	98	4		78	121	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0225WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VX045031.D Lab Sample ID: VX0225WBL01

Date Analyzed: 02/25/2025 Time Analyzed: 12:07

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

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0225WBS01	VX0225WBS01	VX045032.D	02/25/2025
VX0225WBSD01	VX0225WBSD01	VX045033.D	02/25/2025
BP-VPB-192-TB-20250217	Q1401-01	VX045035.D	02/25/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0228WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VX045079.D Lab Sample ID: VX0228WBL01

Date Analyzed: 02/28/2025 Time Analyzed: 11:23

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

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0228WBS01	VX0228WBS01	VX045080.D	02/28/2025
BP-VPB-192-GW-840-842	Q1401-03	VX045082.D	02/28/2025
BP-VPB-192-GW-900-902	Q1401-06	VX045083.D	02/28/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0226SBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VY021321.D Lab Sample ID: VY0226SBL01

Date Analyzed: 02/26/2025 Time Analyzed: 10:50

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0226SBS01	VY0226SBS01	VY021322.D	02/26/2025
VY0226SBSD01	VY0226SBSD01	VY021323.D	02/26/2025
BP-VPB-192-GW-825-827	Q1401-07	VY021328.D	02/26/2025
BP-VPB-192-GW-860-862	Q1401-08	VY021329.D	02/26/2025
BP-VPB-192-GW-880-882	Q1401-09	VY021330.D	02/26/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VX044867.D BFB Injection Date: 02/10/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:35

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	75.9
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	72.6 (95.7) 1
177	5.0 - 9.0% of mass 176	4.5 (6.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX044868.D	02/10/2025	10:25
VSTDICC005	VSTDICC005	VX044869.D	02/10/2025	10:48
VSTDICC020	VSTDICC020	VX044870.D	02/10/2025	11:11
VSTDICCC050	VSTDICCC050	VX044871.D	02/10/2025	11:34
VSTDICC100	VSTDICC100	VX044872.D	02/10/2025	12:05
VSTDICC150	VSTDICC150	VX044873.D	02/10/2025	12:28

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VX045028.D BFB Injection Date: 02/25/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:30

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.3
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	73.8 (96.9) 1
177	5.0 - 9.0% of mass 176	4.7 (6.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045029.D	02/25/2025	10:00
VX0225WBL01	VX0225WBL01	VX045031.D	02/25/2025	12:07
VX0225WBS01	VX0225WBS01	VX045032.D	02/25/2025	12:30
VX0225WBSD01	VX0225WBSD01	VX045033.D	02/25/2025	12:57
BP-VPB-192-TB-20250217	Q1401-01	VX045035.D	02/25/2025	13:44
VSTDCCC050EC	VSTDCCC050	VX045042.D	02/25/2025	16:28

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

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

Instrument ID: MSVOA_X BFB Injection Time: 01:03

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	53.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 2

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

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

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

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VX045076.D BFB Injection Date: 02/28/2025

Instrument ID: MSVOA_X BFB Injection Time: 10:03

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	74.6
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72.8 (97.6) 1
177	5.0 - 9.0% of mass 176	5.1 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045077.D	02/28/2025	10:32
VX0228WBL01	VX0228WBL01	VX045079.D	02/28/2025	11:23
VX0228WBS01	VX0228WBS01	VX045080.D	02/28/2025	11:46
BP-VPB-192-GW-840-842	Q1401-03	VX045082.D	02/28/2025	12:37
BP-VPB-192-GW-900-902	Q1401-06	VX045083.D	02/28/2025	13:00
VSTDCCC050EC	VSTDCCC050	VX045098.D	02/28/2025	18:50

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VY021308.D BFB Injection Date: 02/25/2025

Instrument ID: MSVOA_Y BFB Injection Time: 12:10

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	55.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 100.0% of mass 95	84.7
175	5.0 - 9.0% of mass 174	6.4 (7.5) 1
176	95.0 - 101.0% of mass 174	83.6 (98.8) 1
177	5.0 - 9.0% of mass 176	5.5 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021309.D	02/25/2025	12:40
VSTDICC010	VSTDICC010	VY021310.D	02/25/2025	13:03
VSTDICC020	VSTDICC020	VY021311.D	02/25/2025	13:26
VSTDICCC050	VSTDICCC050	VY021312.D	02/25/2025	14:48
VSTDICC150	VSTDICC150	VY021314.D	02/25/2025	15:57
VSTDICC100	VSTDICC100	VY021316.D	02/25/2025	16:49

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VY021319.D BFB Injection Date: 02/26/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:12

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.5
75	30.0 - 60.0% of mass 95	55.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.2 (1.5) 1
174	50.0 - 100.0% of mass 95	78.5
175	5.0 - 9.0% of mass 174	6.5 (8.3) 1
176	95.0 - 101.0% of mass 174	75.9 (96.7) 1
177	5.0 - 9.0% of mass 176	5.1 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021320.D	02/26/2025	10:11
VY0226SBL01	VY0226SBL01	VY021321.D	02/26/2025	10:50
VY0226SBS01	VY0226SBS01	VY021322.D	02/26/2025	11:22
VY0226SBSD01	VY0226SBSD01	VY021323.D	02/26/2025	11:44
BP-VPB-192-GW-825-827	Q1401-07	VY021328.D	02/26/2025	13:54
BP-VPB-192-GW-860-862	Q1401-08	VY021329.D	02/26/2025	14:17
BP-VPB-192-GW-880-882	Q1401-09	VY021330.D	02/26/2025	14:40
VSTDCCC050EC	VSTDCCC050	VY021344.D	02/26/2025	20:06

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VX045029.D Date Analyzed: 02/25/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	110252	5.54	188741	6.75	166334	10.05
UPPER LIMIT	220504	6.044	377482	7.251	332668	10.549
LOWER LIMIT	55126	5.044	94370.5	6.251	83167	9.549
EPA SAMPLE NO.						
BP-VPB-192-TB-20250217	80365	5.55	162183	6.76	145520	10.05
VX0225WBL01	79395	5.55	159366	6.76	142850	10.05
VX0225WBS01	112915	5.55	200483	6.76	175398	10.05
VX0225WBSD01	104015	5.55	184616	6.76	164218	10.05

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VX045029.D Date Analyzed: 02/25/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS4 AREA #	RT #				
12 HOUR STD	76720	12.018				
UPPER LIMIT	153440	12.518				
LOWER LIMIT	38360	11.518				
EPA SAMPLE NO.						
BP-VPB-192-TB-20250217	60661	12.02				
VX0225WBL01	58355	12.02				
VX0225WBS01	80174	12.02				
VX0225WBSD01	77007	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VX045077.D Date Analyzed: 02/28/2025

Instrument ID: MSVOA_X Time Analyzed: 10:32

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	111989	5.54	196414	6.75	172369	10.05
UPPER LIMIT	223978	6.037	392828	7.251	344738	10.549
LOWER LIMIT	55994.5	5.037	98207	6.251	86184.5	9.549
EPA SAMPLE NO.						
BP-VPB-192-GW-840-842	67792	5.54	135879	6.76	123593	10.05
BP-VPB-192-GW-900-902	73969	5.55	147122	6.76	132699	10.06
VX0228WBL01	76430	5.54	149381	6.76	137180	10.05
VX0228WBS01	108329	5.54	192724	6.76	169474	10.05

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VX045077.D Date Analyzed: 02/28/2025

Instrument ID: MSVOA_X Time Analyzed: 10:32

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

	IS4 AREA #	RT #				
12 HOUR STD	76314	12.018				
UPPER LIMIT	152628	12.518				
LOWER LIMIT	38157	11.518				
EPA SAMPLE NO.						
BP-VPB-192-GW-840-842	52250	12.02				
BP-VPB-192-GW-900-902	55091	12.02				
VX0228WBL01	59690	12.02				
VX0228WBS01	76472	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VY021320.D Date Analyzed: 02/26/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:11

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	193888	7.71	308714	8.62	268805	11.42
UPPER LIMIT	387776	8.213	617428	9.116	537610	11.92
LOWER LIMIT	96944	7.213	154357	8.116	134403	10.92
EPA SAMPLE NO.						
BP-VPB-192-GW-825-827	237643	7.71	467253	8.62	479781	11.41
BP-VPB-192-GW-860-862	234926	7.71	466686	8.62	492462	11.41
BP-VPB-192-GW-880-882	240939	7.71	470542	8.61	479899	11.41
VY0226SBL01	251129	7.71	483695	8.62	470141	11.42
VY0226SBS01	184417	7.71	291138	8.62	254891	11.41
VY0226SBSD01	186200	7.71	292071	8.62	258744	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG NO.: Q1401

Lab File ID: VY021320.D Date Analyzed: 02/26/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:11

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	131935	13.347				
UPPER LIMIT	263870	13.847				
LOWER LIMIT	65967.5	12.847				
EPA SAMPLE NO.						
BP-VPB-192-GW-825-827	211227	13.35				
BP-VPB-192-GW-860-862	224351	13.35				
BP-VPB-192-GW-880-882	211748	13.35				
VY0226SBL01	192201	13.35				
VY0226SBS01	128725	13.35				
VY0226SBSD01	129829	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/17/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-TB-20250217	SDG No.:	Q1401
Lab Sample ID:	Q1401-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045035.D	1		02/25/25 13:44	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.40	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/17/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-TB-20250217	SDG No.:	Q1401
Lab Sample ID:	Q1401-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045035.D	1		02/25/25 13:44	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	46.8		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	80400	5.55				
540-36-3	1,4-Difluorobenzene	162000	6.757				
3114-55-4	Chlorobenzene-d5	146000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	60700	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/17/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-TB-20250217	SDG No.:	Q1401
Lab Sample ID:	Q1401-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045035.D	1		02/25/25 13:44	VX022525

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045035.D
Acq On : 25 Feb 2025 13:44
Operator : JC/MD
Sample : Q1401-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250217

Quant Time: Feb 26 03:15:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

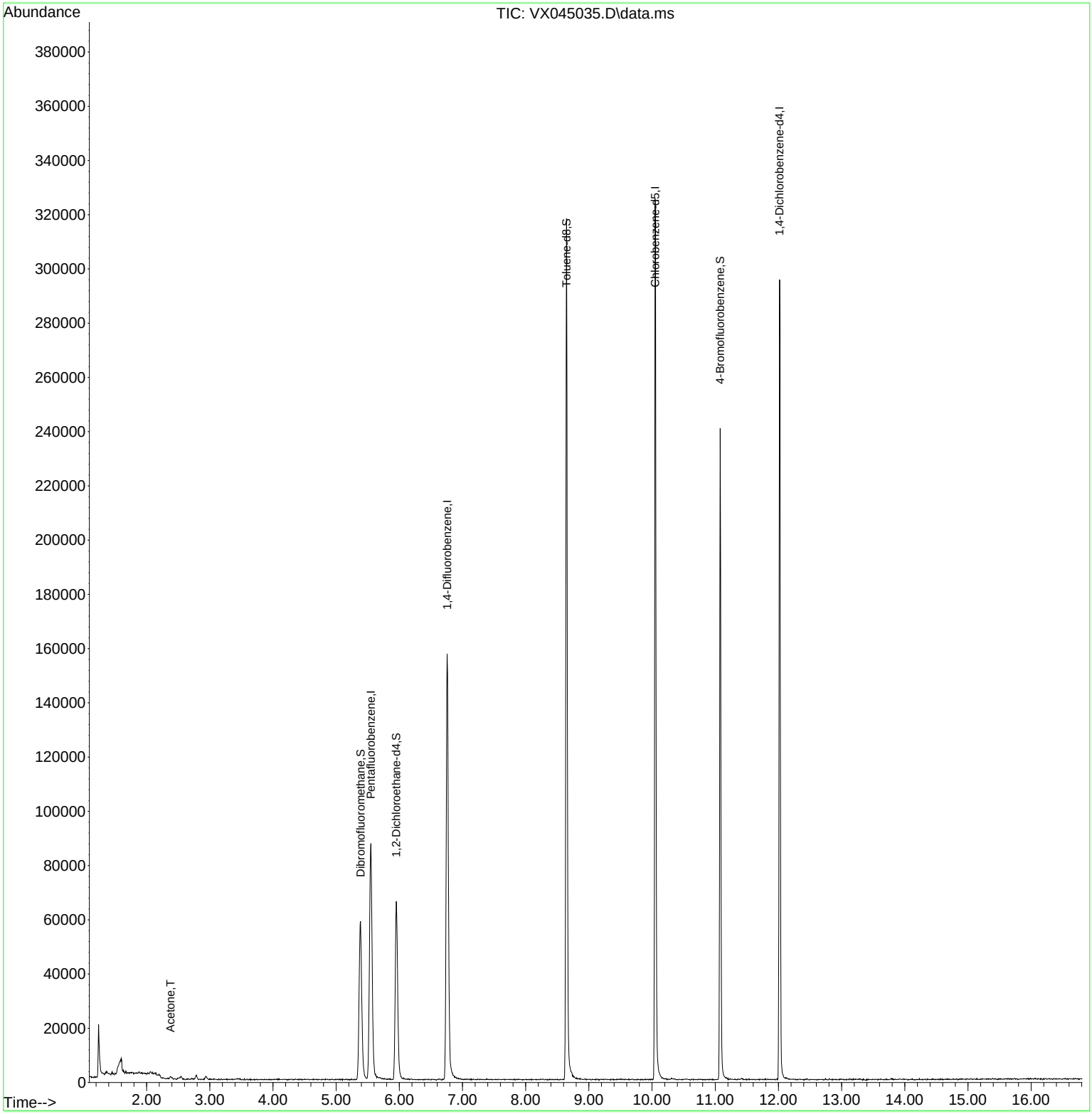
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	80365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162183	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61600	52.363	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.720%			
35) Dibromofluoromethane	5.385	113	50460	47.854	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.700%			
50) Toluene-d8	8.647	98	186526	46.780	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.560%			
62) 4-Bromofluorobenzene	11.079	95	63053	46.907	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.820%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1123	2.375	ug/l	89

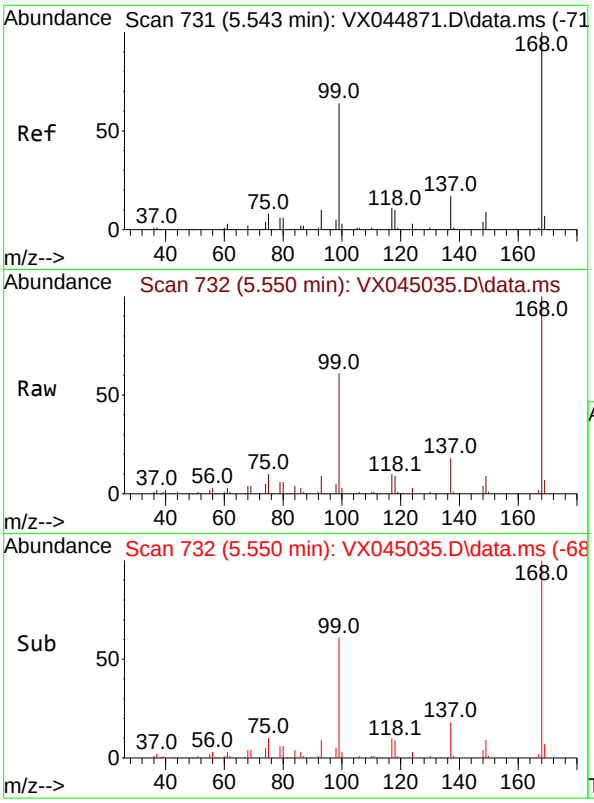
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045035.D
Acq On : 25 Feb 2025 13:44
Operator : JC/MD
Sample : Q1401-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250217

Quant Time: Feb 26 03:15:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



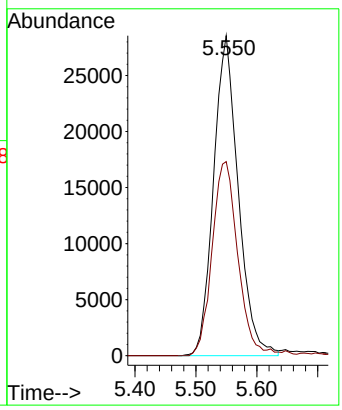


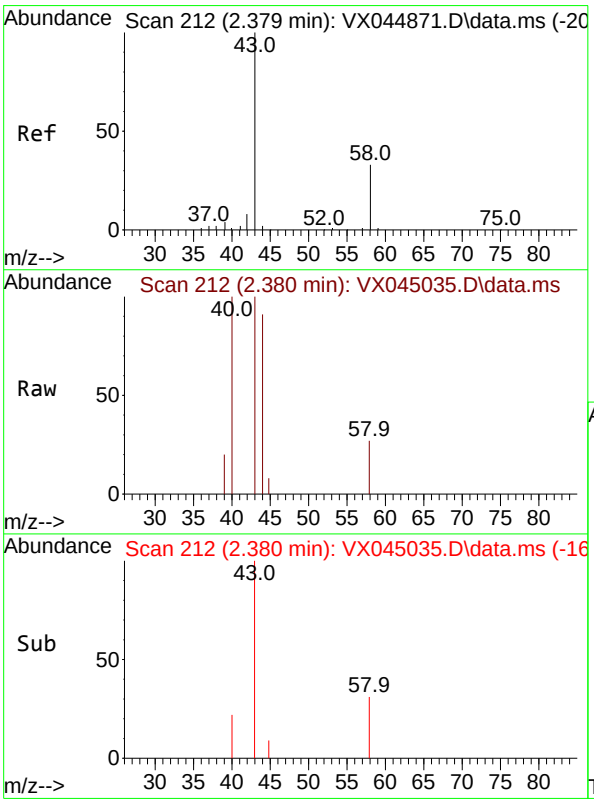
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX045035.D
Acq: 25 Feb 2025 13:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250217

Tgt Ion:168 Resp: 80365

Ion	Ratio	Lower	Upper
168	100		
99	60.6	51.2	76.8

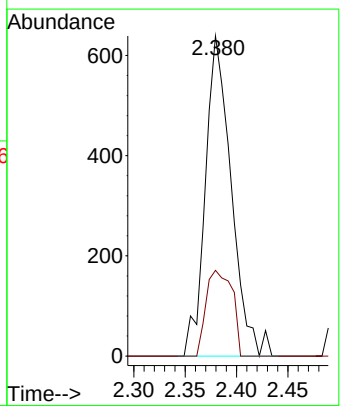


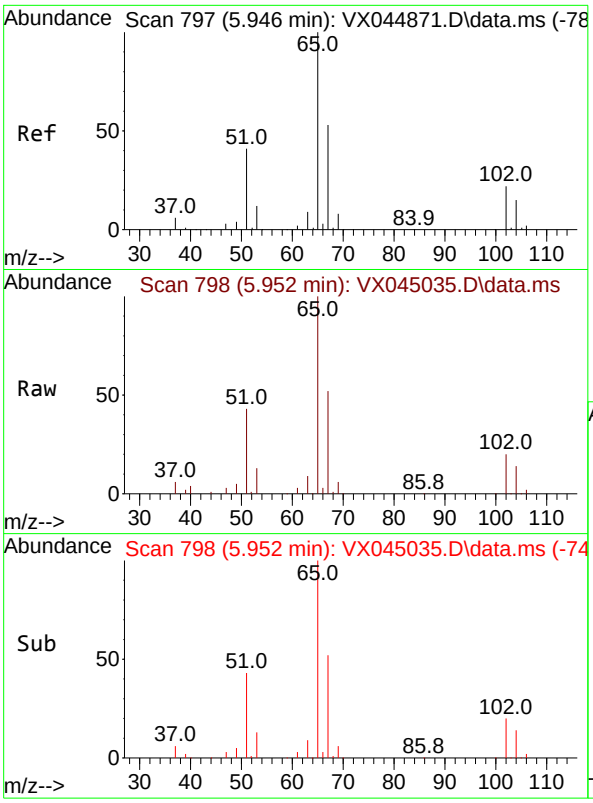


#16
Acetone
Concen: 2.375 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045035.D
Acq: 25 Feb 2025 13:44

Tgt Ion: 43 Resp: 1123

Ion	Ratio	Lower	Upper
43	100		
58	26.8	26.5	39.7



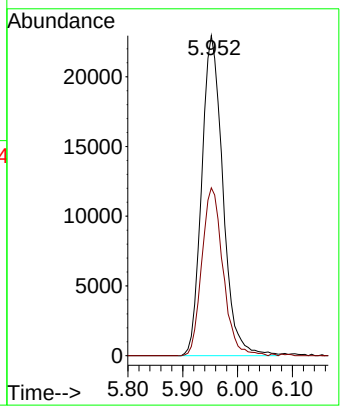


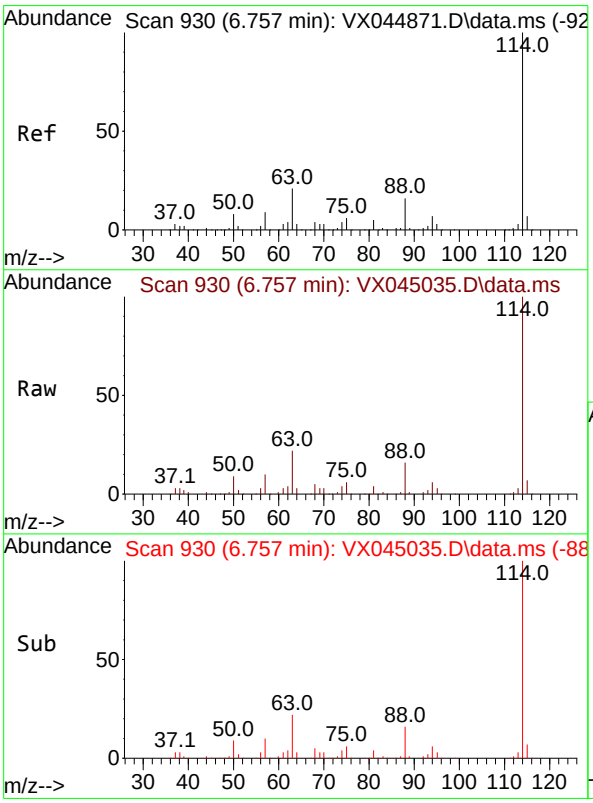
#33
1,2-Dichloroethane-d4
Concen: 52.363 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045035.D
Acq: 25 Feb 2025 13:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250217

Tgt Ion: 65 Resp: 61600

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	108.2

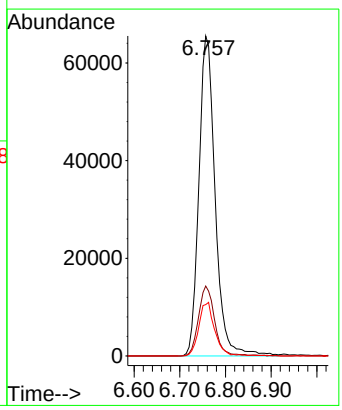


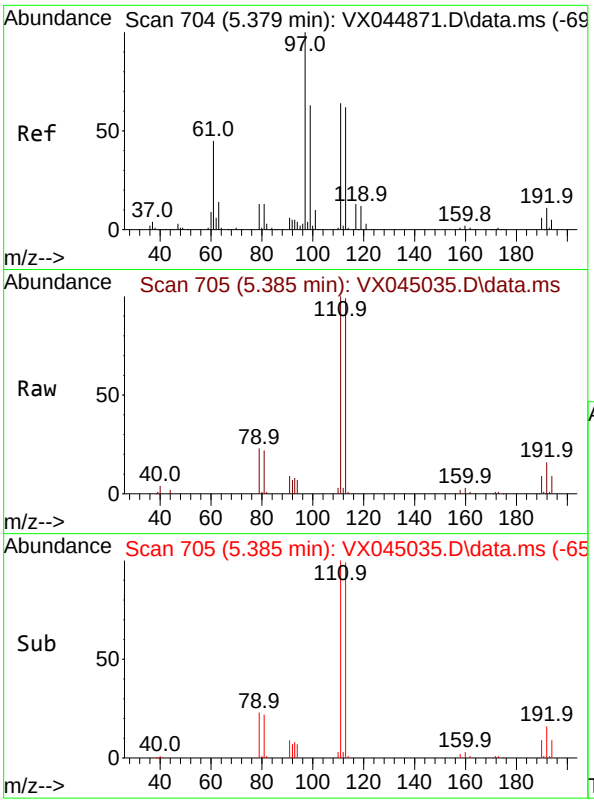


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045035.D
Acq: 25 Feb 2025 13:44

Tgt Ion:114 Resp: 162183

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	42.4
88	16.0	0.0	31.4



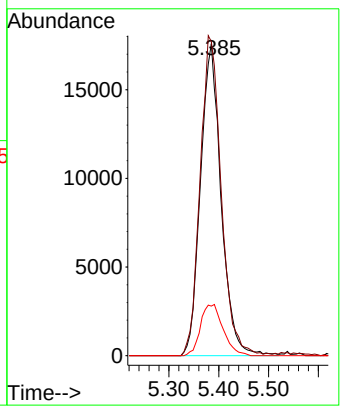


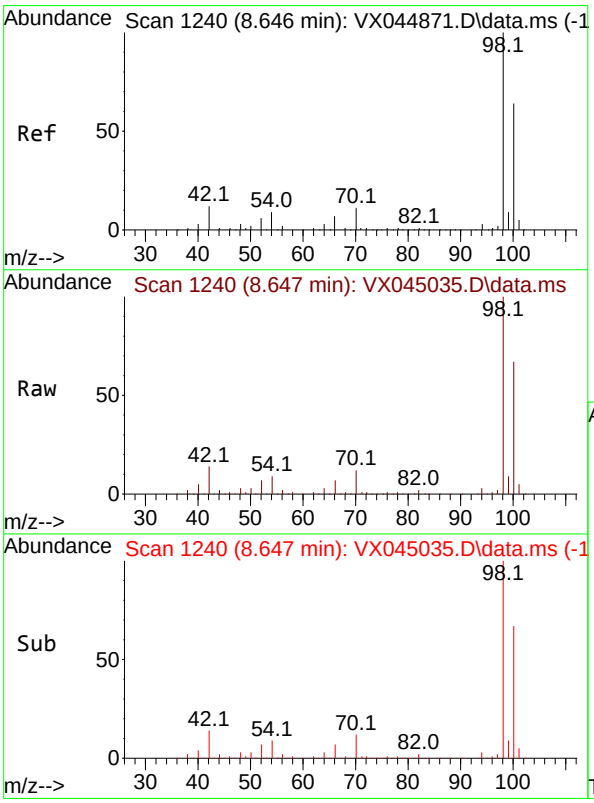
#35
Dibromofluoromethane
Concen: 47.854 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045035.D
Acq: 25 Feb 2025 13:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250217

Tgt Ion:113 Resp: 50460

Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.5	125.3
192	18.0	14.4	21.6

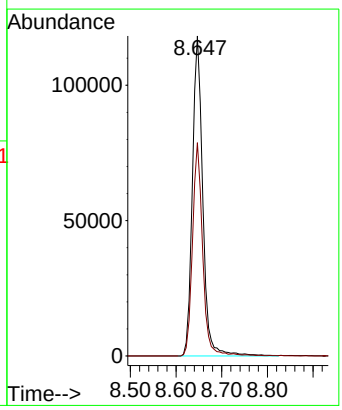


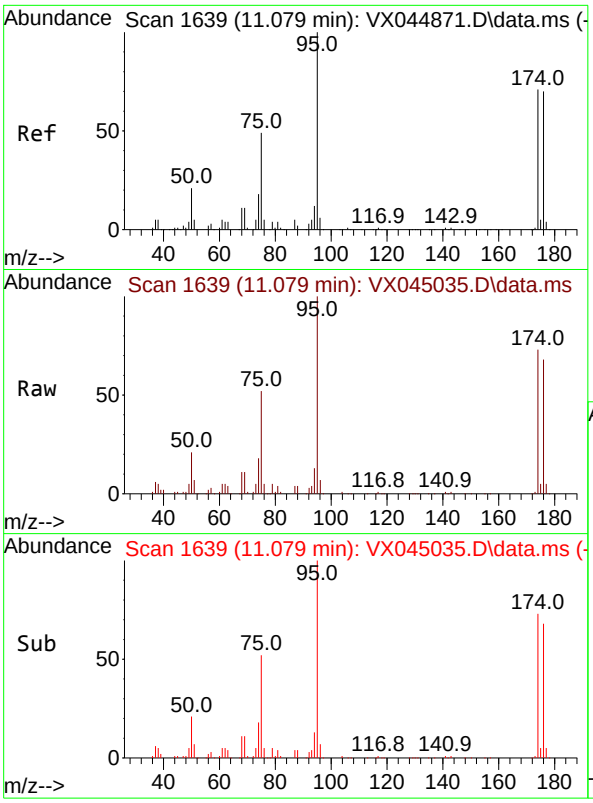


#50
Toluene-d8
Concen: 46.780 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045035.D
Acq: 25 Feb 2025 13:44

Tgt Ion: 98 Resp: 186526

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



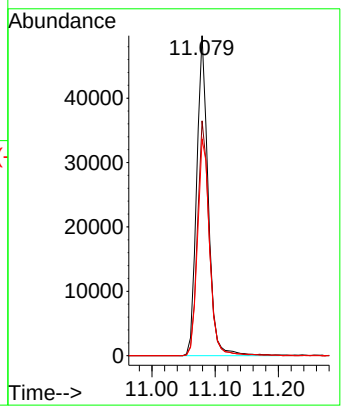


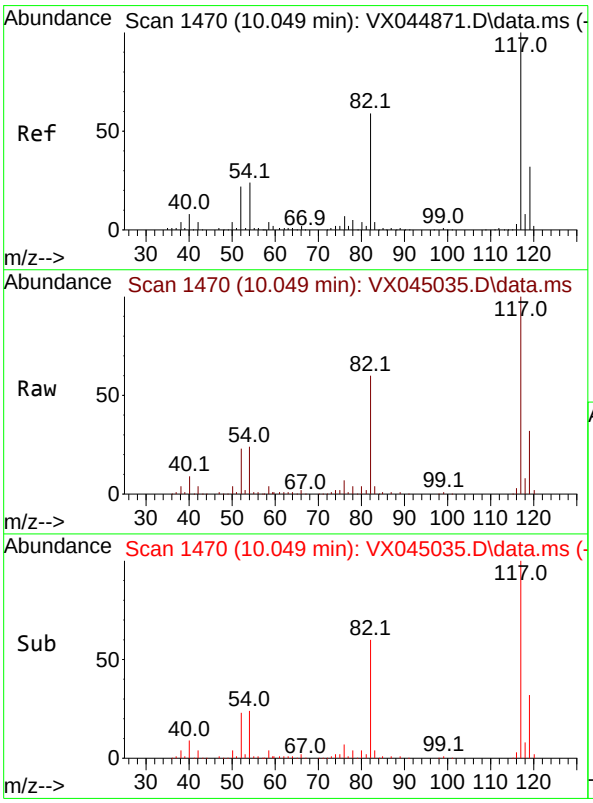
#62
4-Bromofluorobenzene
Concen: 46.907 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045035.D
Acq: 25 Feb 2025 13:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250217

Tgt Ion: 95 Resp: 63053

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	142.6
176	71.2	0.0	141.6

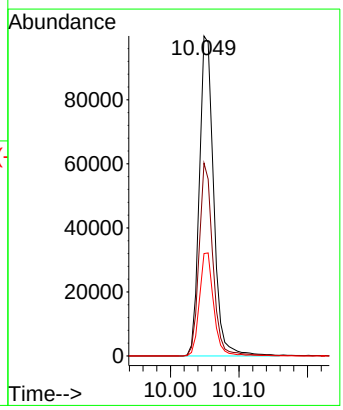


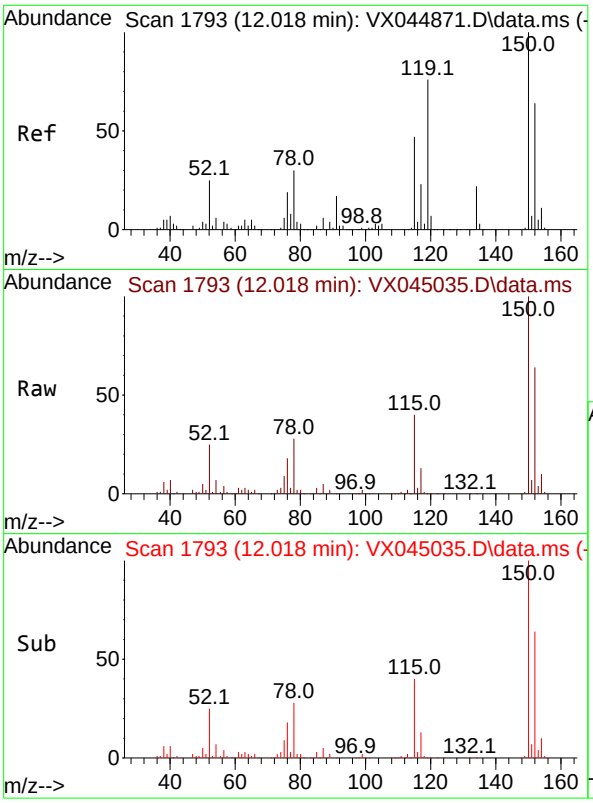


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045035.D
Acq: 25 Feb 2025 13:44

Tgt Ion:117 Resp: 145520

Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.5	71.3
119	32.0	25.4	38.0



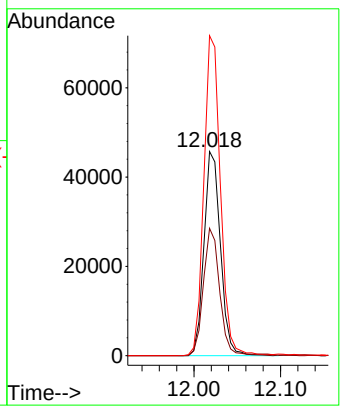


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045035.D
Acq: 25 Feb 2025 13:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250217

Tgt Ion:152 Resp: 60661

Ion	Ratio	Lower	Upper
152	100		
115	61.0	43.4	130.1
150	156.9	0.0	350.4



Sample Results: **VX045035.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045035.D
Acq On : 25 Feb 2025 13:44
Operator : JC/MD
Sample : Q1401-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250217

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

Signal : TIC: VX045035.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	21	25	34	rBV	19369	28976	5.79%	1.078%
2	1.587	71	82	83	rBV6	4995	13842	2.76%	0.515%
3	5.385	695	705	720	rBV2	58403	170537	34.05%	6.346%
4	5.550	722	732	747	rVV	86670	248962	49.72%	9.264%
5	5.952	789	798	815	rBV2	65687	175277	35.00%	6.522%
6	6.757	920	930	945	rBV	157055	384376	76.76%	14.303%
7	8.647	1233	1240	1256	rBV	317639	500771	100.00%	18.634%
8	10.049	1465	1470	1488	rBV	324692	465437	92.94%	17.319%
9	11.079	1634	1639	1653	rBV	240105	310059	61.92%	11.538%
10	12.018	1788	1793	1806	rBV	295034	389124	77.70%	14.480%

Sum of corrected areas: 2687361

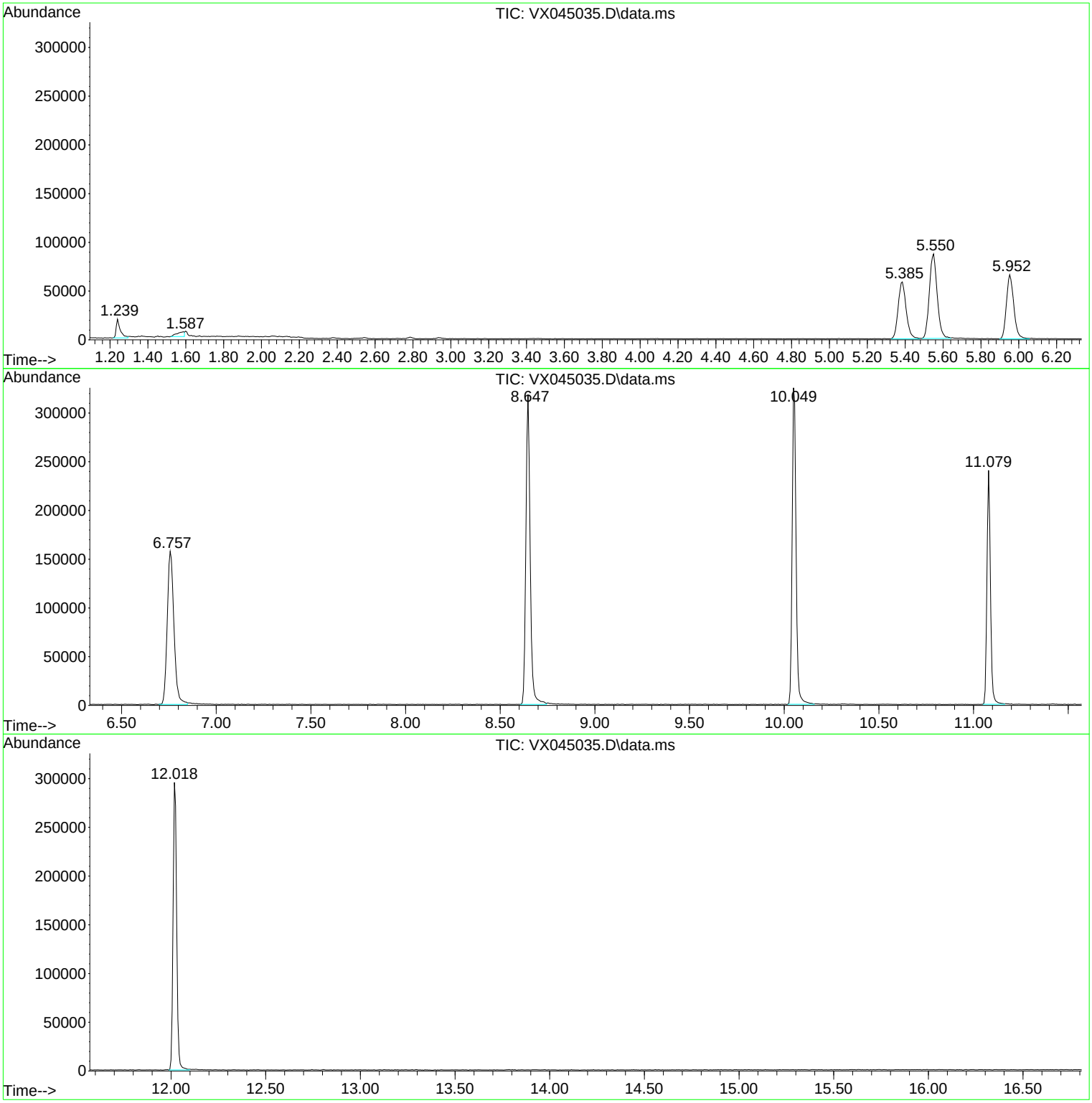
Sample Results: **VX045035.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045035.D
Acq On : 25 Feb 2025 13:44
Operator : JC/MD
Sample : Q1401-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250217

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045035.D
Acq On : 25 Feb 2025 13:44
Operator : JC/MD
Sample : Q1401-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250217

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045035.D
Acq On : 25 Feb 2025 13:44
Operator : JC/MD
Sample : Q1401-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250217

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/18/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-840-842	SDG No.:	Q1401
Lab Sample ID:	Q1401-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045082.D	1		02/28/25 12:37	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	17.4		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.49	J	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	4.30	J	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/18/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-840-842	SDG No.:	Q1401
Lab Sample ID:	Q1401-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045082.D	1		02/28/25 12:37	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67800	5.544				
540-36-3	1,4-Difluorobenzene	136000	6.757				
3114-55-4	Chlorobenzene-d5	124000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	52300	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/18/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-840-842	SDG No.:	Q1401
Lab Sample ID:	Q1401-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045082.D	1		02/28/25 12:37	VX022825

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045082.D
Acq On : 28 Feb 2025 12:37
Operator : JC/MD
Sample : Q1401-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-840-842

Quant Time: Feb 28 13:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

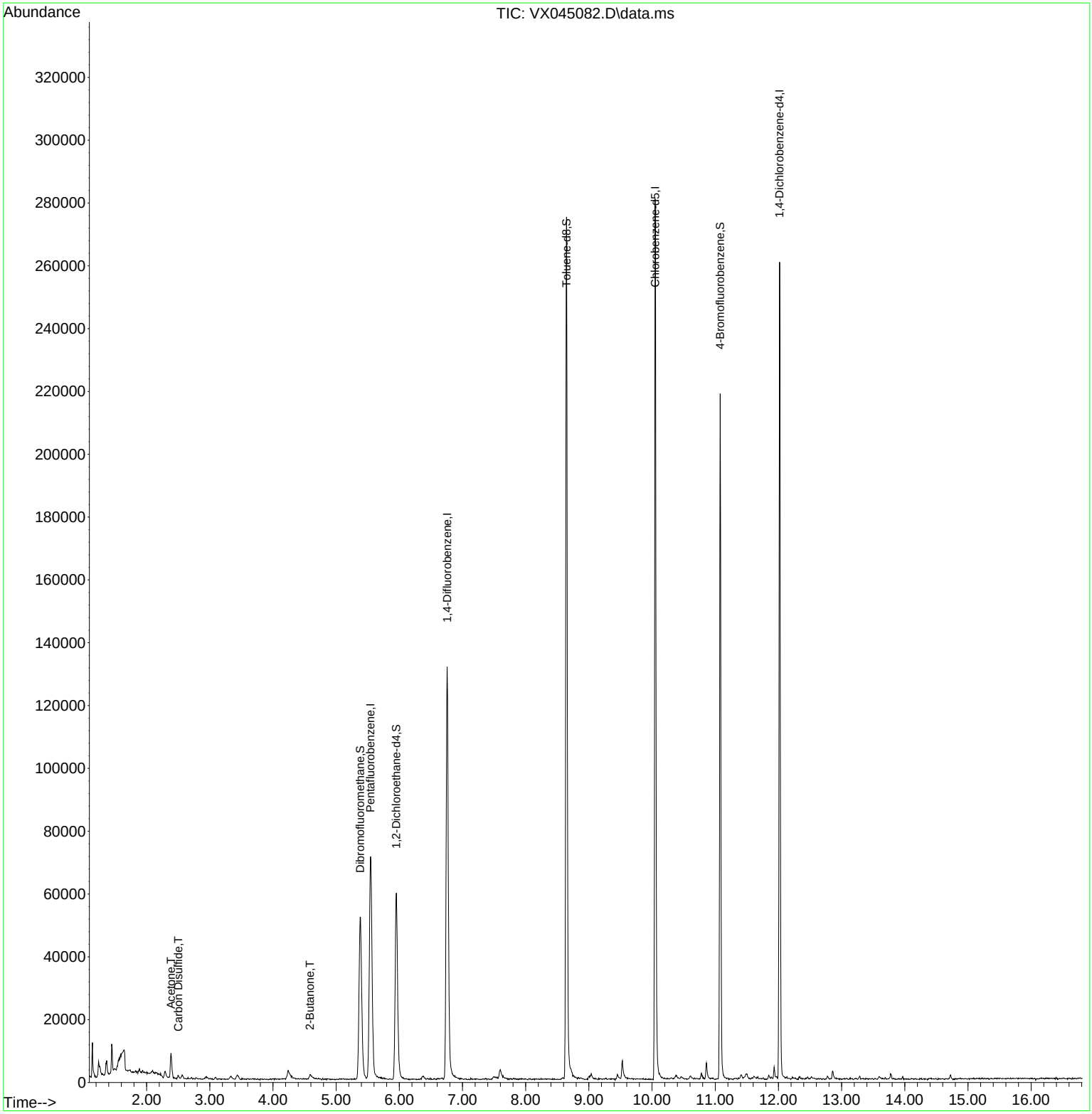
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135879	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56408	52.310	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.620%			
35) Dibromofluoromethane	5.379	113	45952	50.575	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.160%			
50) Toluene-d8	8.647	98	170719	51.828	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.660%			
62) 4-Bromofluorobenzene	11.079	95	57385	52.574	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.140%			
Target Compounds						Qvalue
16) Acetone	2.386	43	8718	17.425	ug/l	97
17) Carbon Disulfide	2.501	76	1081	0.487	ug/l #	95
25) 2-Butanone	4.586	43	3236	4.297	ug/l	98

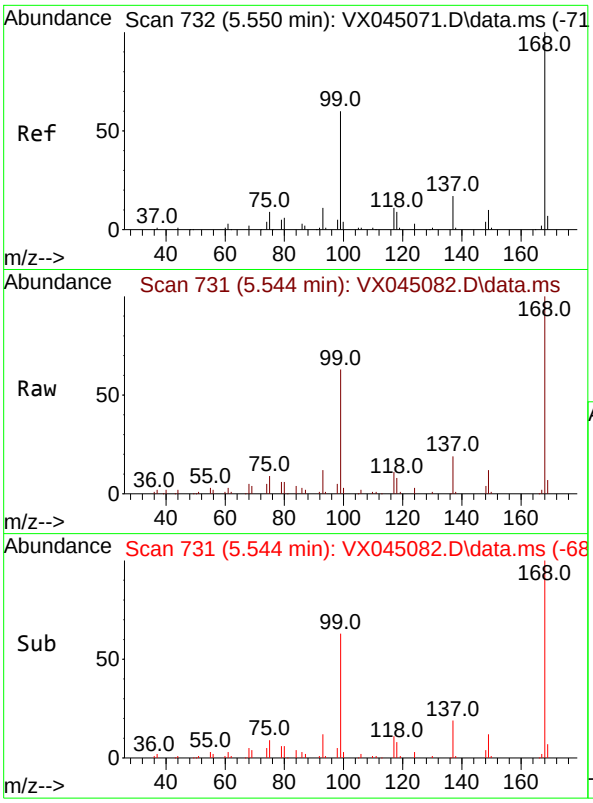
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045082.D
Acq On : 28 Feb 2025 12:37
Operator : JC/MD
Sample : Q1401-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-840-842

Quant Time: Feb 28 13:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



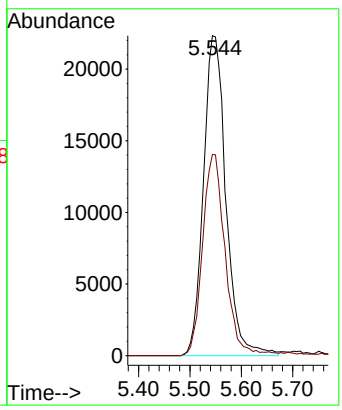


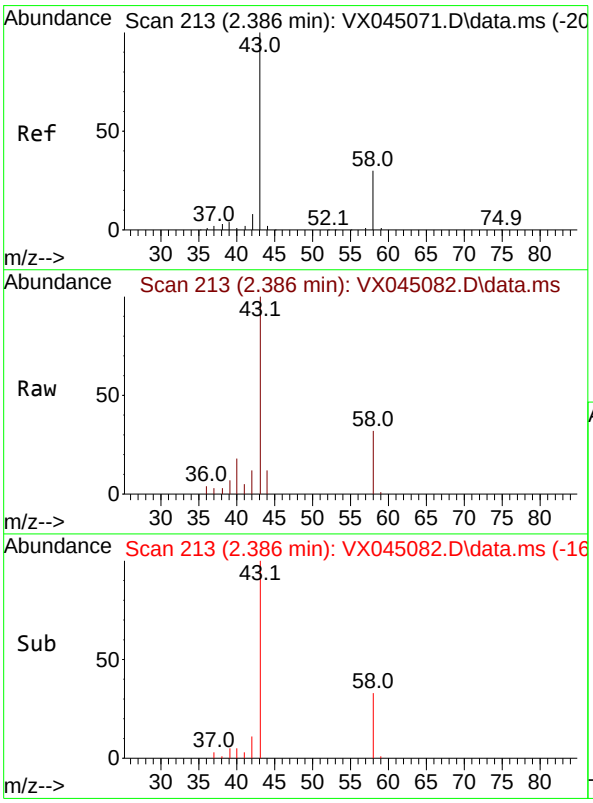
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045082.D
Acq: 28 Feb 2025 12:37

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-840-842

Tgt Ion:168 Resp: 67792

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.2	72.4

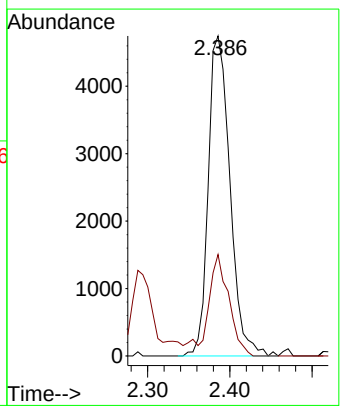


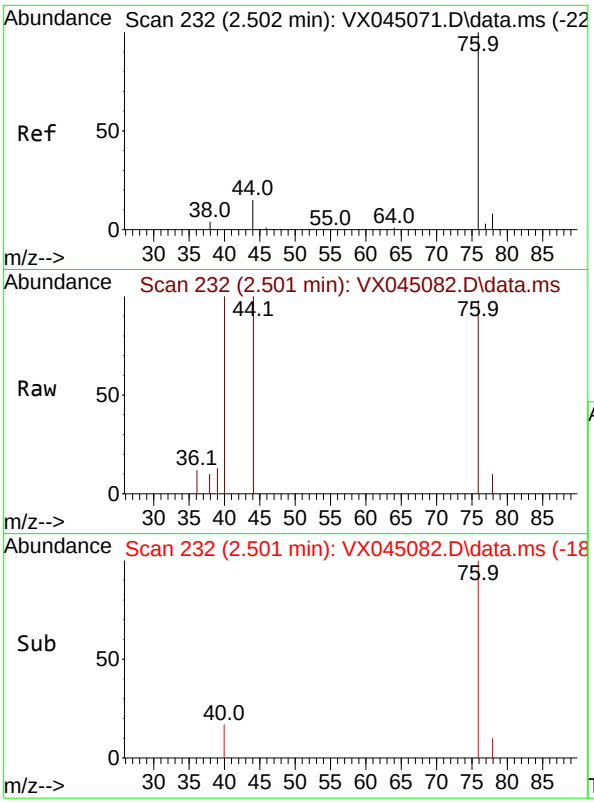


#16
Acetone
Concen: 17.425 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045082.D
Acq: 28 Feb 2025 12:37

Tgt Ion: 43 Resp: 8718

Ion	Ratio	Lower	Upper
43	100		
58	31.7	24.2	36.4



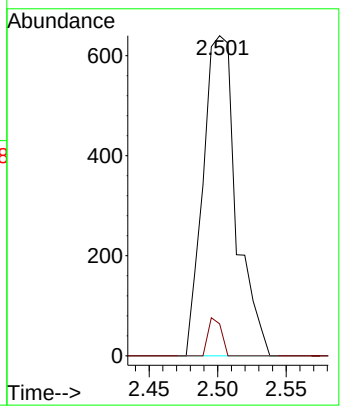


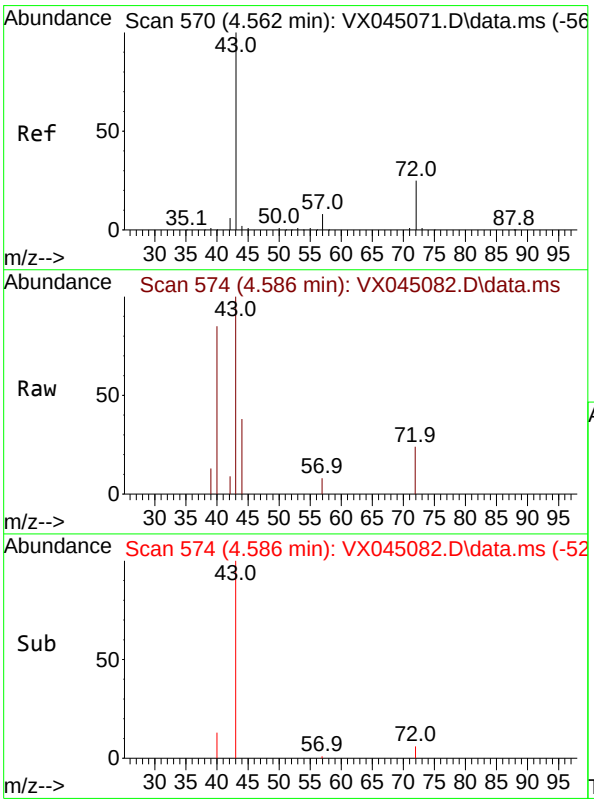
#17
Carbon Disulfide
Concen: 0.487 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045082.D
Acq: 28 Feb 2025 12:37

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-840-842

Tgt Ion: 76 Resp: 1081

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.6	9.8#

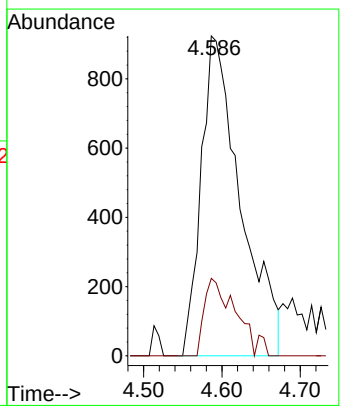


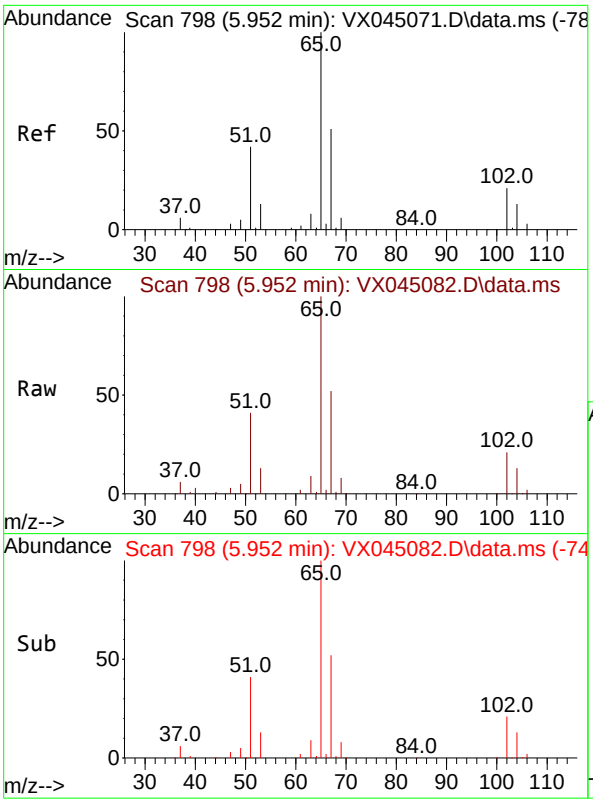


#25
2-Butanone
Concen: 4.297 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.024 min
Lab File: VX045082.D
Acq: 28 Feb 2025 12:37

Tgt Ion: 43 Resp: 3236

Ion	Ratio	Lower	Upper
43	100		
72	24.2	20.0	30.0



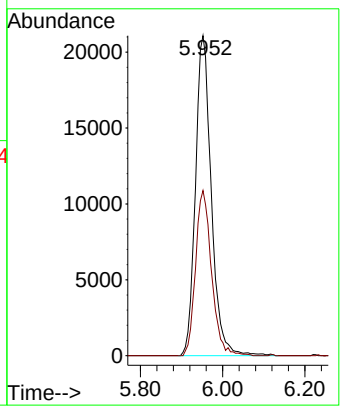


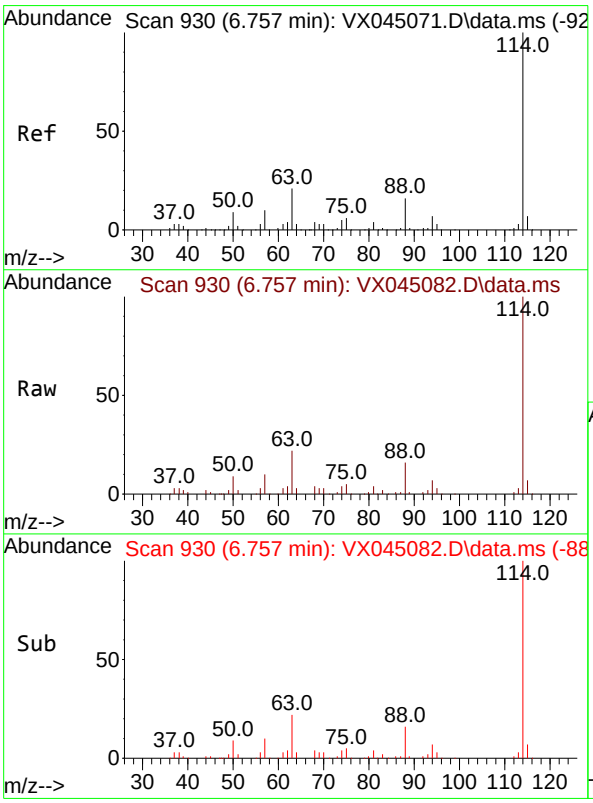
#33
1,2-Dichloroethane-d4
Concen: 52.310 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045082.D
Acq: 28 Feb 2025 12:37

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-840-842

Tgt Ion: 65 Resp: 56408

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2

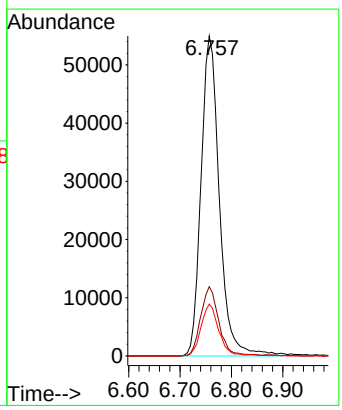


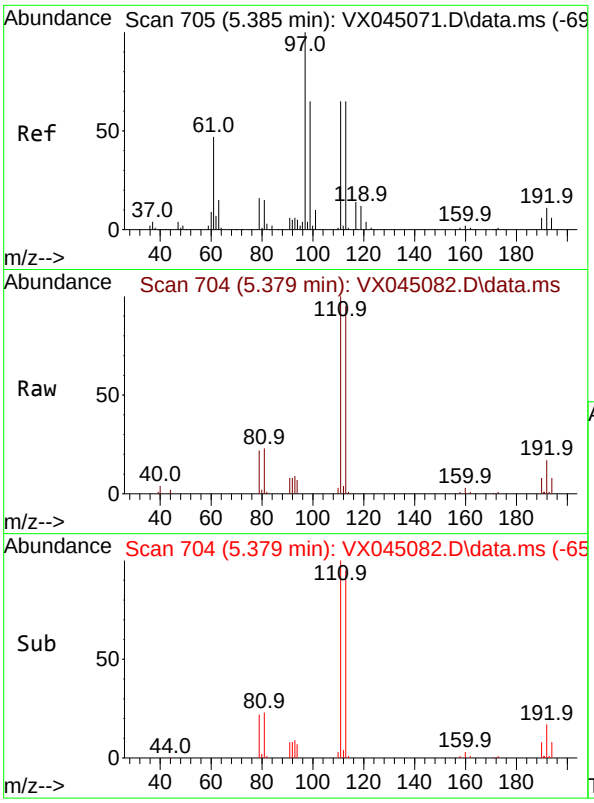


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045082.D
Acq: 28 Feb 2025 12:37

Tgt Ion:114 Resp: 135879

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	16.2	0.0	32.8



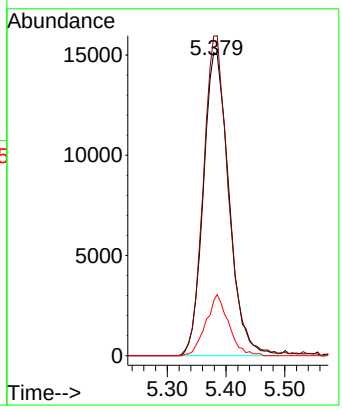


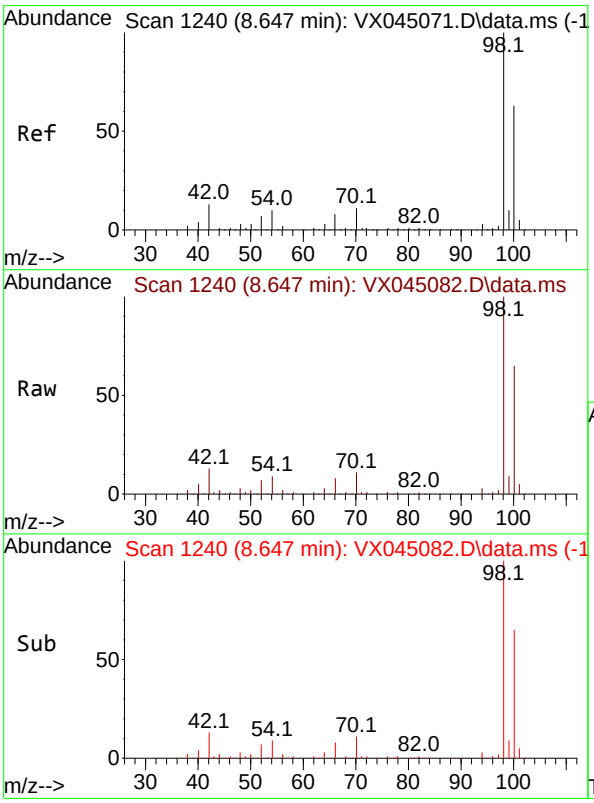
#35
Dibromofluoromethane
Concen: 50.575 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045082.D
Acq: 28 Feb 2025 12:37

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-840-842

Tgt Ion:113 Resp: 45952

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	17.8	14.3	21.5

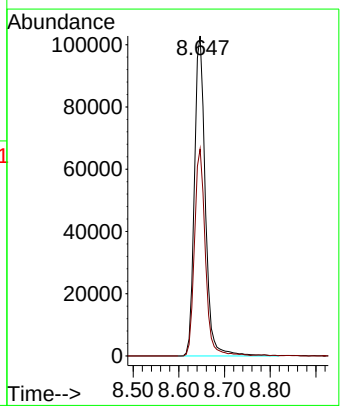


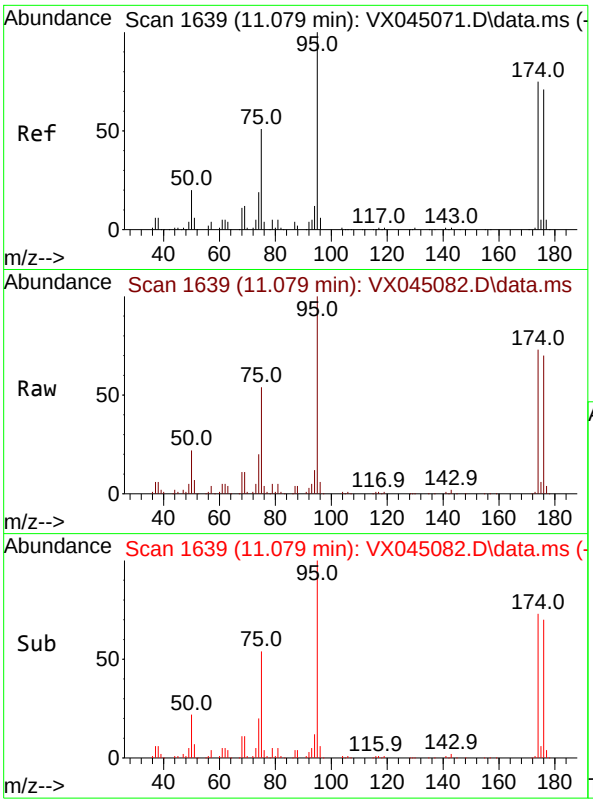


#50
Toluene-d8
Concen: 51.828 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045082.D
Acq: 28 Feb 2025 12:37

Tgt Ion: 98 Resp: 170719

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0



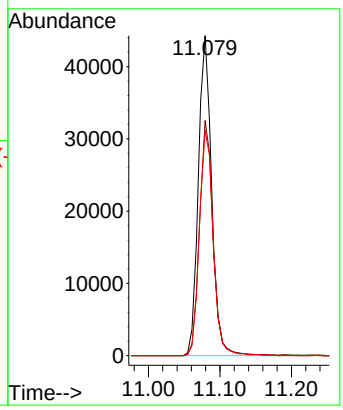


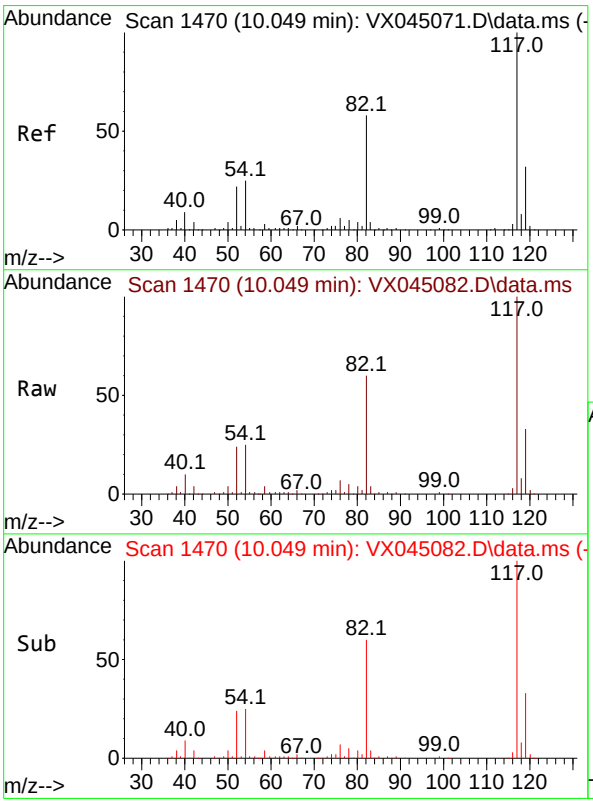
#62
4-Bromofluorobenzene
Concen: 52.574 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045082.D
Acq: 28 Feb 2025 12:37

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-840-842

Tgt Ion: 95 Resp: 57385

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.2
176	73.4	0.0	141.4

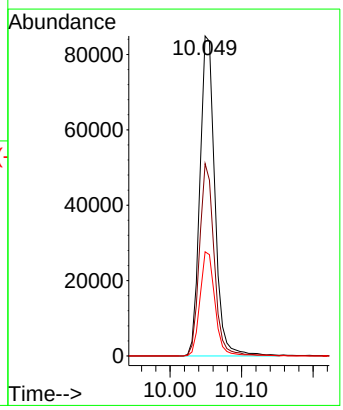


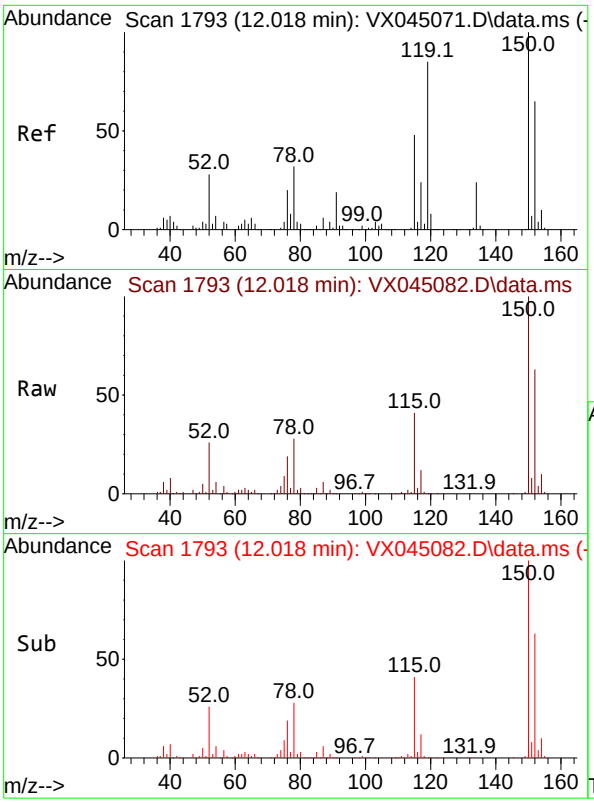


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045082.D
Acq: 28 Feb 2025 12:37

Tgt Ion:117 Resp: 123593

Ion	Ratio	Lower	Upper
117	100		
82	60.1	46.3	69.5
119	32.5	25.7	38.5



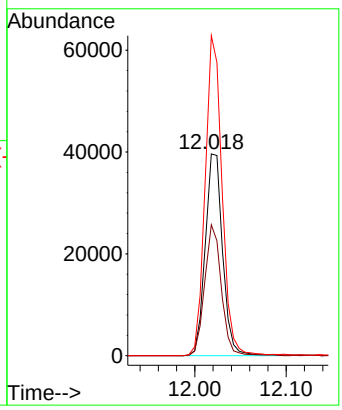


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045082.D
Acq: 28 Feb 2025 12:37

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-840-842

Tgt Ion:152 Resp: 52250

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.2	132.6
150	153.8	0.0	349.0



Sample Results: **VX045082.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045082.D
Acq On : 28 Feb 2025 12:37
Operator : JC/MD
Sample : Q1401-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-840-842

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045082.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	15	rBV	11062	11695	2.56%	0.481%
2	1.239	20	25	33	rBV4	5058	11315	2.47%	0.466%
3	1.367	40	46	52	rBV2	4664	8081	1.77%	0.332%
4	1.447	52	59	63	rBV	9645	12108	2.65%	0.498%
5	1.563	71	78	79	rBV4	3853	6732	1.47%	0.277%
6	2.294	193	198	206	rBV2	2168	4603	1.01%	0.189%
7	2.386	208	213	220	rVB	8042	13693	2.99%	0.563%
8	4.239	510	517	525	rBV4	2894	8461	1.85%	0.348%
9	5.379	692	704	720	rBV	51629	153774	33.61%	6.327%
10	5.544	720	731	748	rBV	70615	207869	45.43%	8.553%
11	5.952	787	798	815	rBV	59407	159410	34.84%	6.559%
12	6.757	920	930	949	rBV	131442	322455	70.48%	13.267%
13	7.598	1062	1068	1074	rBV4	2845	6722	1.47%	0.277%
14	8.647	1233	1240	1256	rBV	274392	457512	100.00%	18.824%
15	9.531	1380	1385	1394	rVV3	5658	9841	2.15%	0.405%
16	10.049	1465	1470	1487	rBV	280518	403521	88.20%	16.603%
17	10.860	1598	1603	1613	rBV3	5138	8282	1.81%	0.341%
18	11.079	1634	1639	1650	rBV	218161	285693	62.44%	11.755%
19	11.933	1776	1779	1784	rBV2	3635	4601	1.01%	0.189%
20	12.018	1788	1793	1805	rBV	259853	334113	73.03%	13.747%

Sum of corrected areas: 2430481

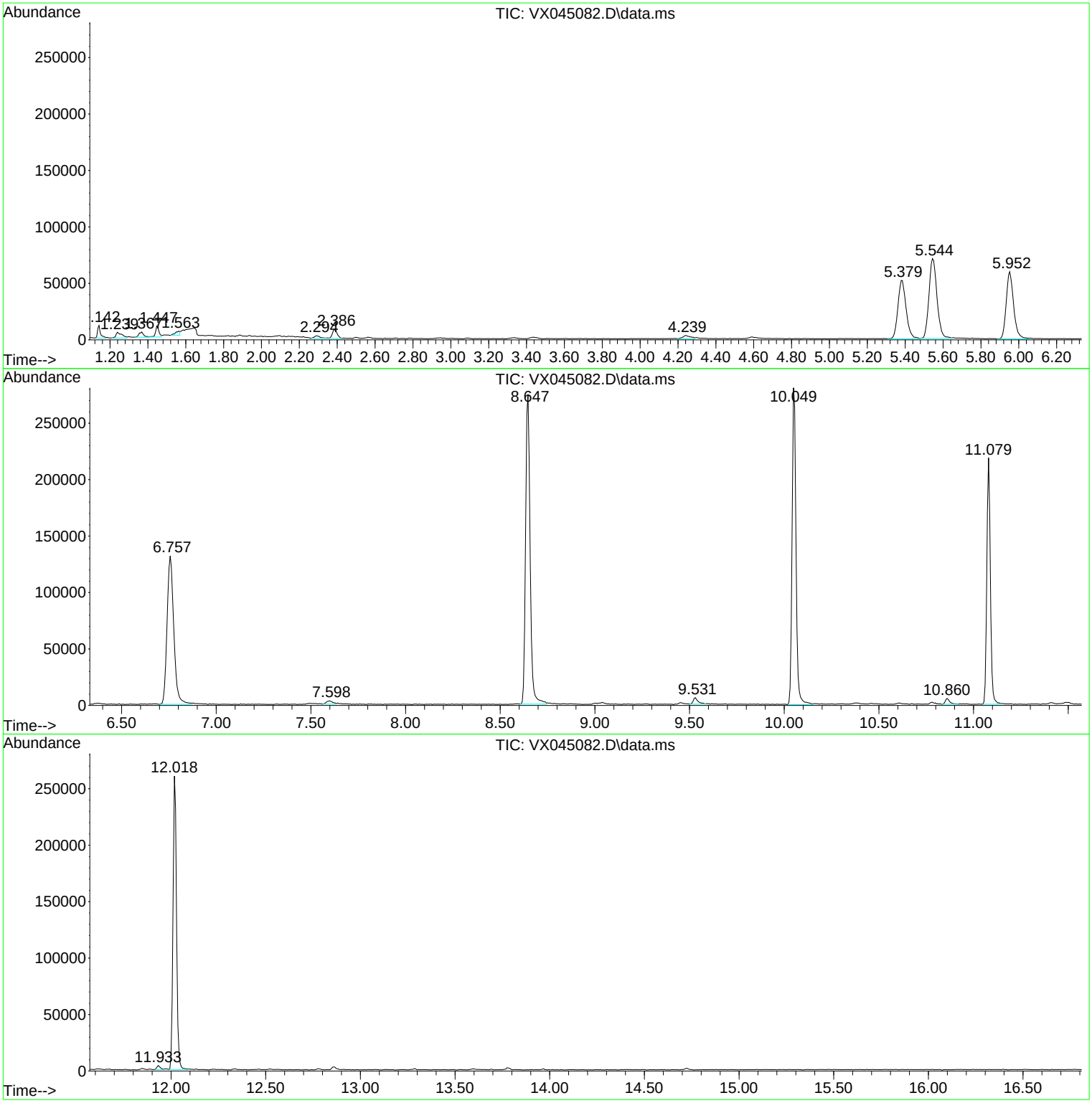
Sample Results: **VX045082.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045082.D
Acq On : 28 Feb 2025 12:37
Operator : JC/MD
Sample : Q1401-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-840-842

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045082.D
Acq On : 28 Feb 2025 12:37
Operator : JC/MD
Sample : Q1401-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-840-842

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045082.D
Acq On : 28 Feb 2025 12:37
Operator : JC/MD
Sample : Q1401-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-840-842

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/19/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-900-902	SDG No.:	Q1401
Lab Sample ID:	Q1401-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045083.D	1		02/28/25 13:00	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	11.8		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.49	J	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/19/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-900-902	SDG No.:	Q1401
Lab Sample ID:	Q1401-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045083.D	1		02/28/25 13:00	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	74000	5.55				
540-36-3	1,4-Difluorobenzene	147000	6.757				
3114-55-4	Chlorobenzene-d5	133000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	55100	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/19/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-900-902	SDG No.:	Q1401
Lab Sample ID:	Q1401-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045083.D	1		02/28/25 13:00	VX022825

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045083.D
Acq On : 28 Feb 2025 13:00
Operator : JC/MD
Sample : Q1401-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-900-902

Quant Time: Feb 28 13:26:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

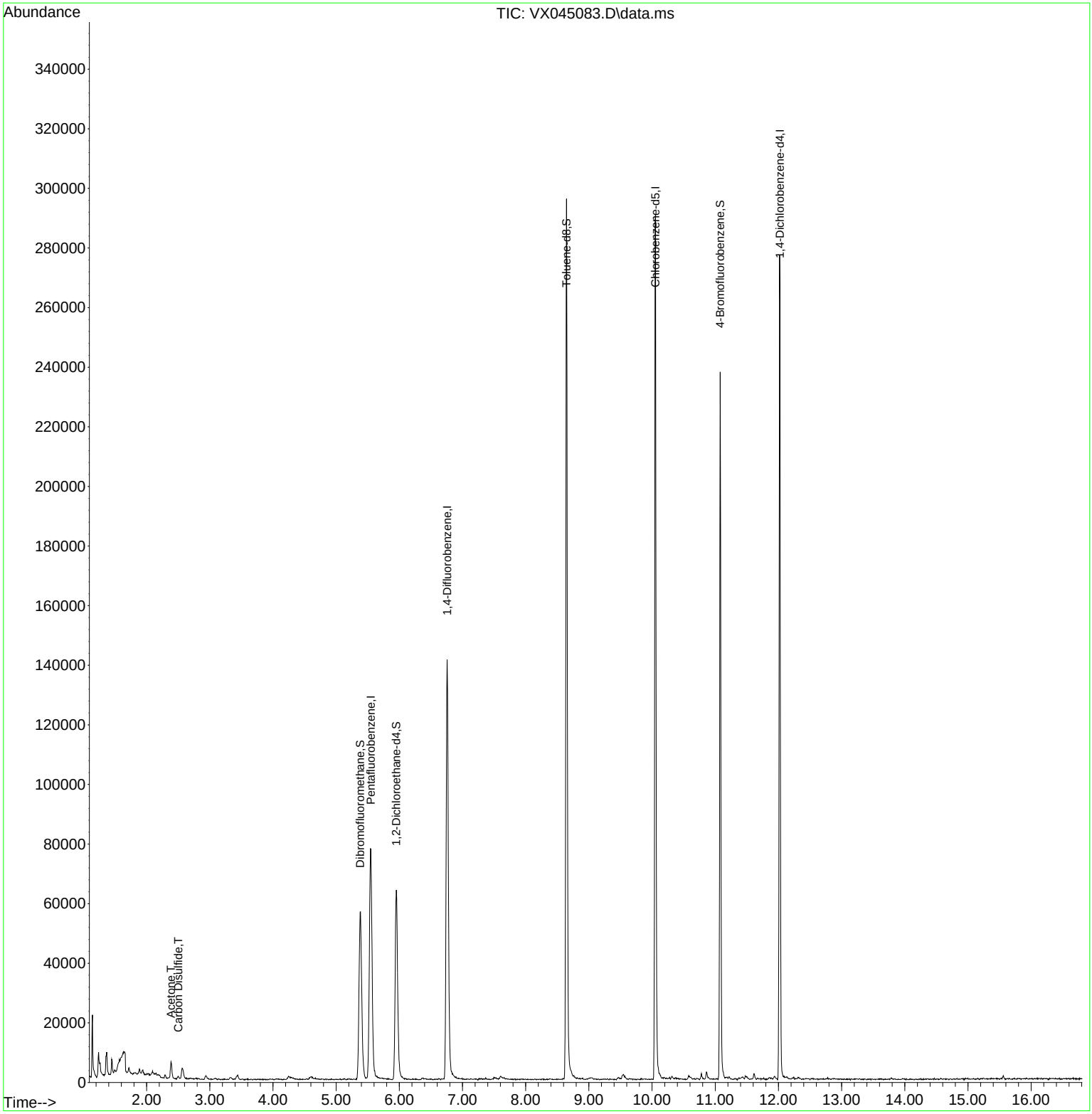
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	73969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147122	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60186	51.153	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.300%			
35) Dibromofluoromethane	5.379	113	49988	50.813	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.620%			
50) Toluene-d8	8.647	98	177901	49.881	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.760%			
62) 4-Bromofluorobenzene	11.079	95	60677	51.342	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.680%			
Target Compounds						Qvalue
16) Acetone	2.386	43	6447	11.810	ug/l	93
17) Carbon Disulfide	2.501	76	1192	0.492	ug/l	96

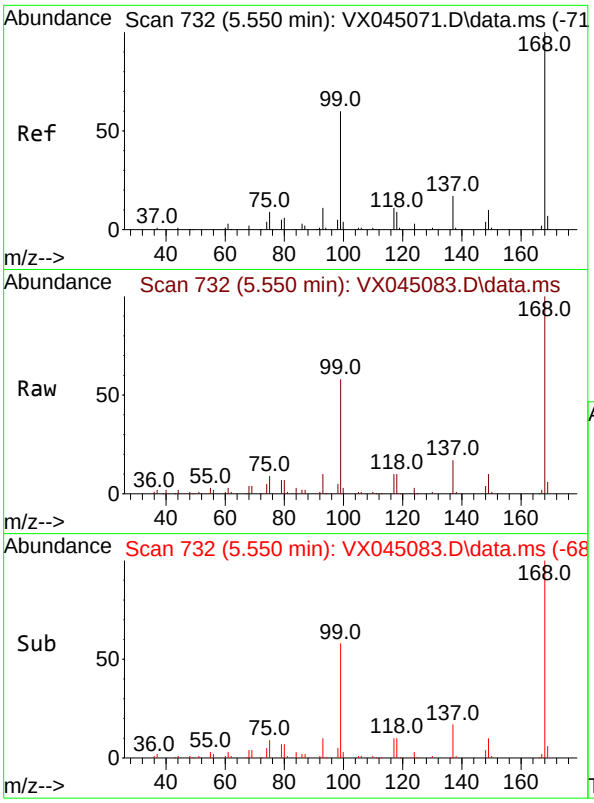
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045083.D
Acq On : 28 Feb 2025 13:00
Operator : JC/MD
Sample : Q1401-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-900-902

Quant Time: Feb 28 13:26:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



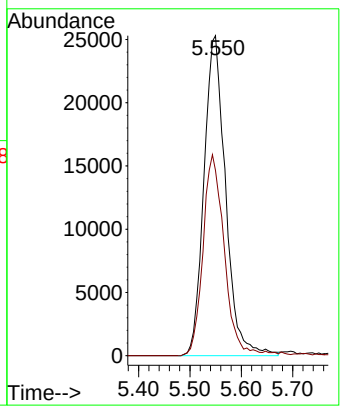


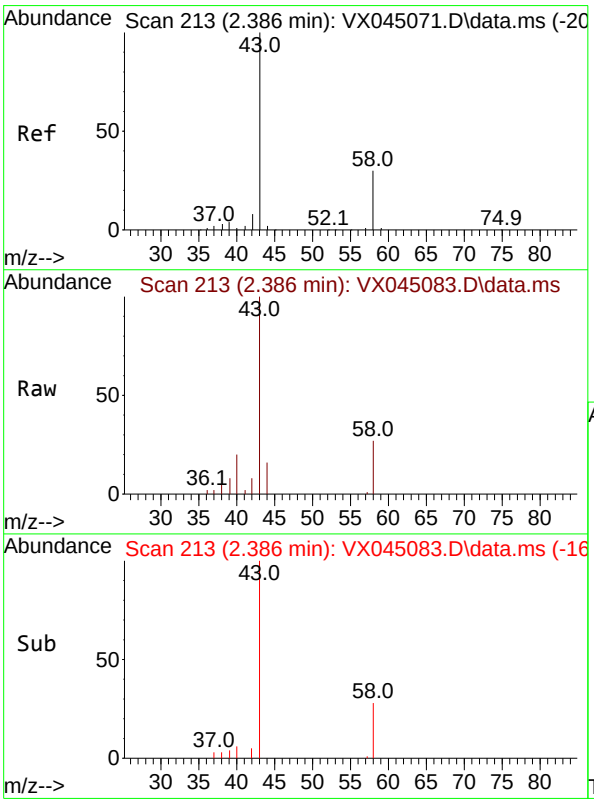
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045083.D
Acq: 28 Feb 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-900-902

Tgt Ion:168 Resp: 73969

Ion	Ratio	Lower	Upper
168	100		
99	57.9	48.2	72.4

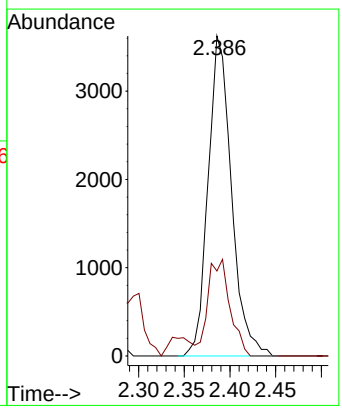


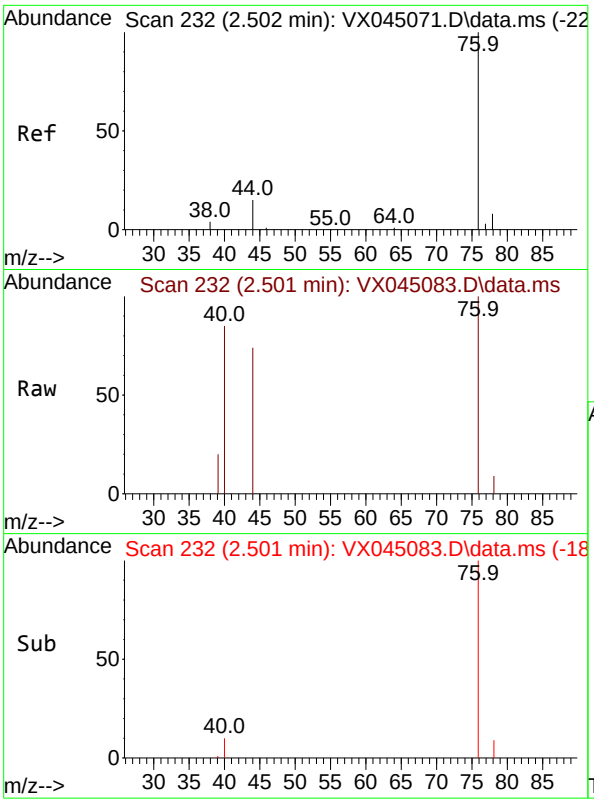


#16
Acetone
Concen: 11.810 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045083.D
Acq: 28 Feb 2025 13:00

Tgt Ion: 43 Resp: 6447

Ion	Ratio	Lower	Upper
43	100		
58	26.6	24.2	36.4



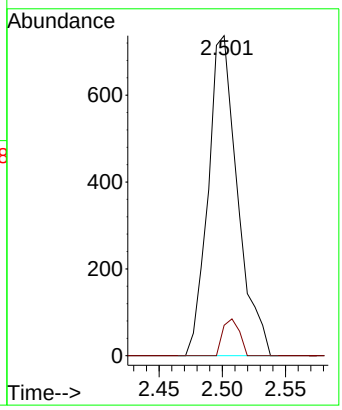


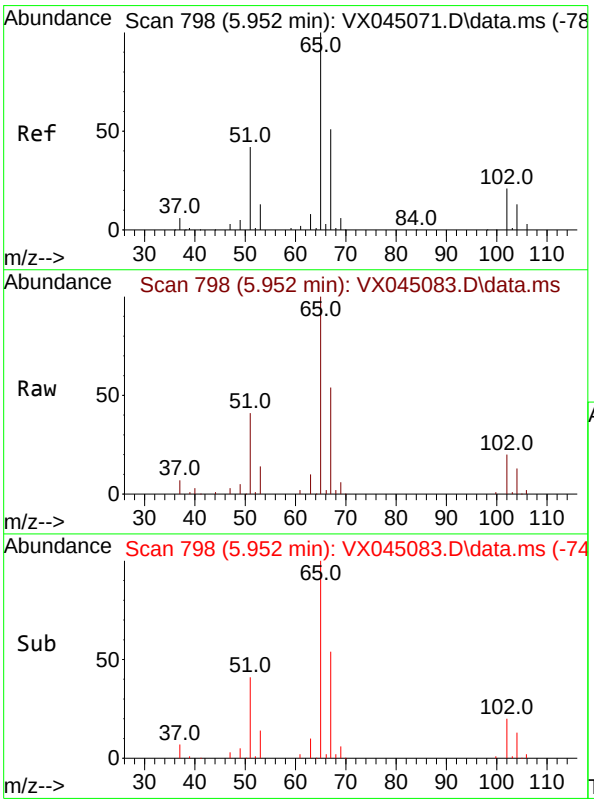
#17
Carbon Disulfide
Concen: 0.492 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045083.D
Acq: 28 Feb 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-900-902

Tgt Ion: 76 Resp: 1192

Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.6	9.8

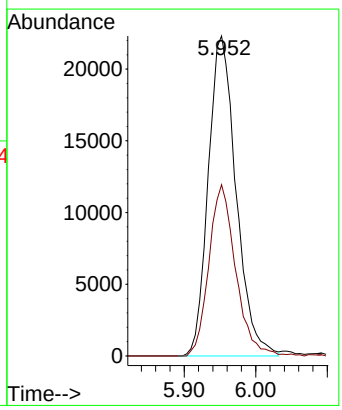


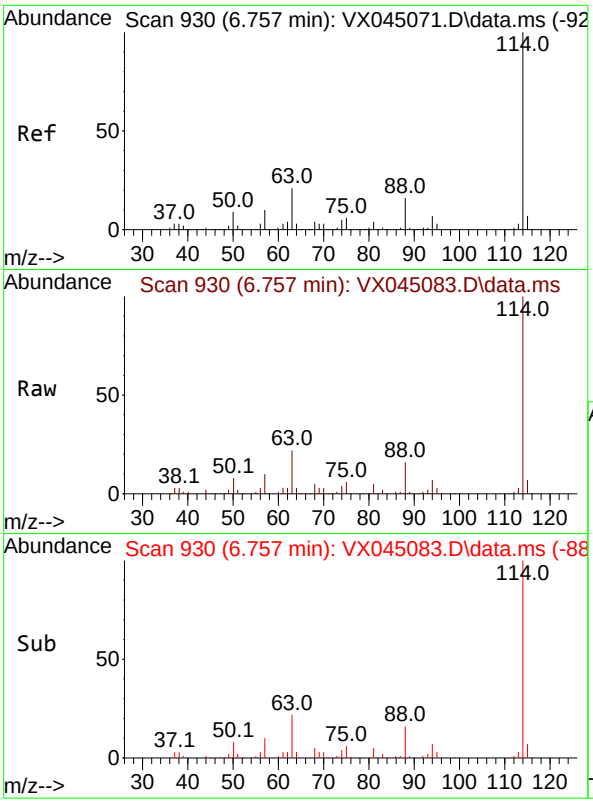


#33
1,2-Dichloroethane-d4
Concen: 51.153 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045083.D
Acq: 28 Feb 2025 13:00

Tgt Ion: 65 Resp: 60186

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	106.2



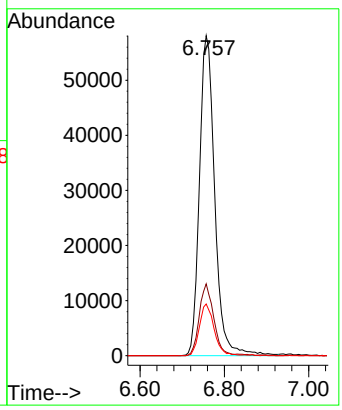


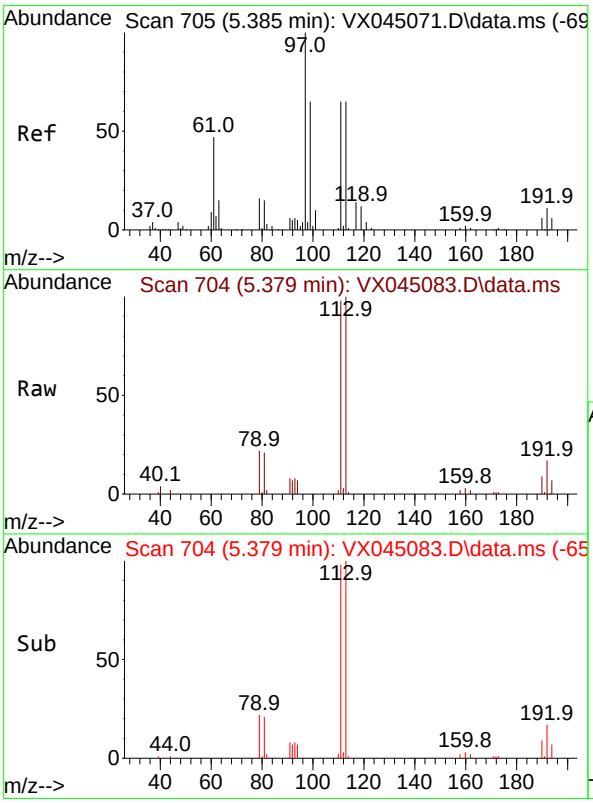
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045083.D
Acq: 28 Feb 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-900-902

Tgt Ion:114 Resp: 147122

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	41.8
88	16.1	0.0	32.8

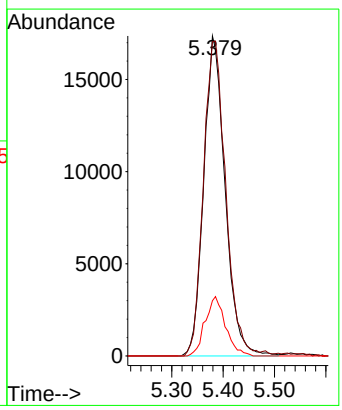


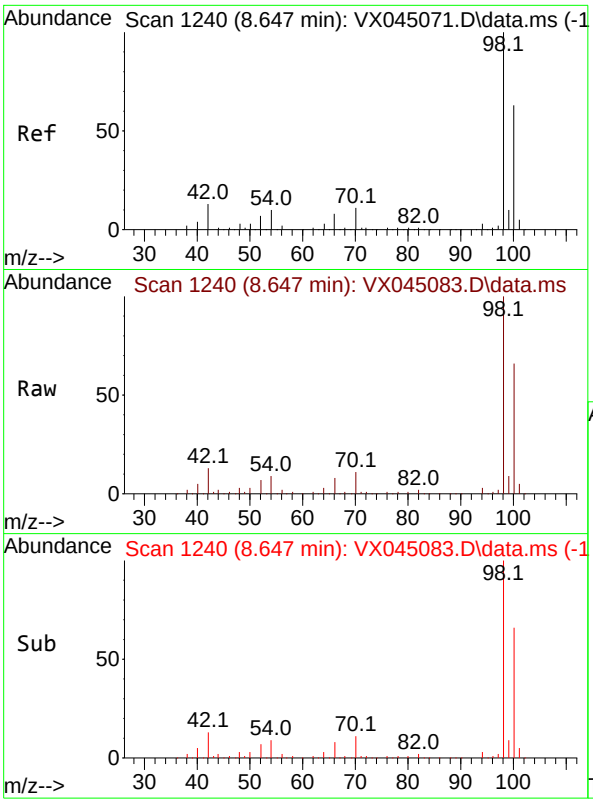


#35
Dibromofluoromethane
Concen: 50.813 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045083.D
Acq: 28 Feb 2025 13:00

Tgt Ion:113 Resp: 49988

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.6
192	17.8	14.3	21.5



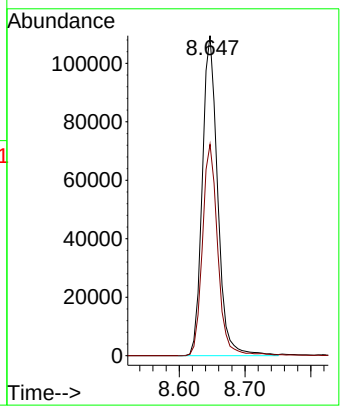


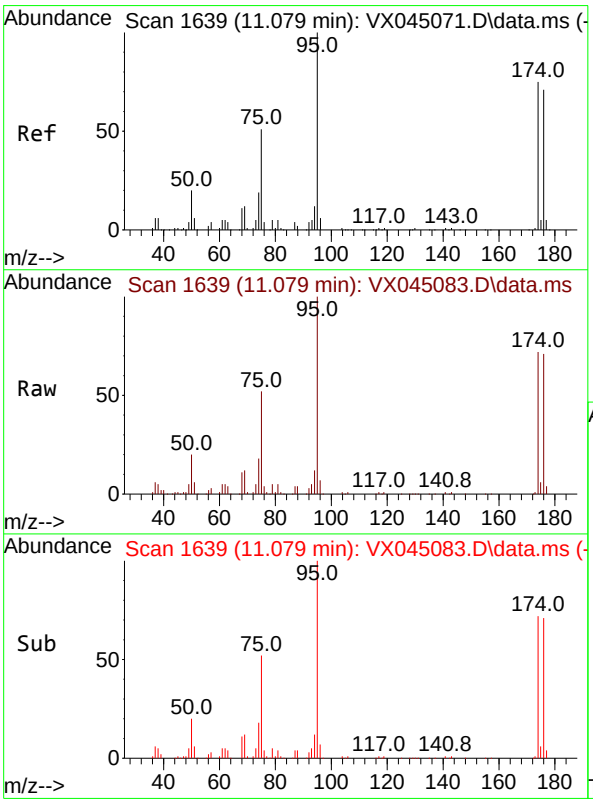
#50
Toluene-d8
Concen: 49.881 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045083.D
Acq: 28 Feb 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-900-902

Tgt Ion: 98 Resp: 177901

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.0	78.0

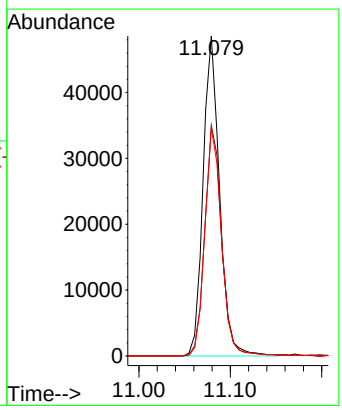


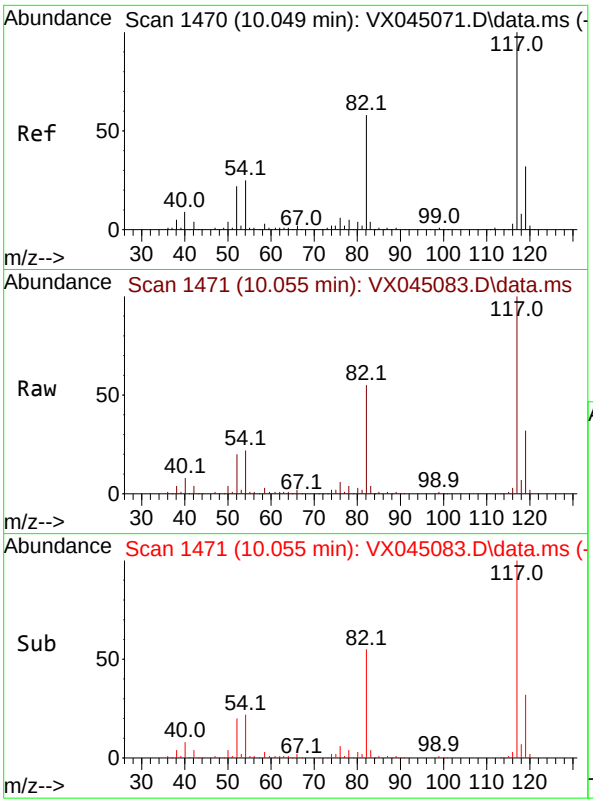


#62
4-Bromofluorobenzene
Concen: 51.342 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045083.D
Acq: 28 Feb 2025 13:00

Tgt Ion: 95 Resp: 60677

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	148.2
176	72.6	0.0	141.4



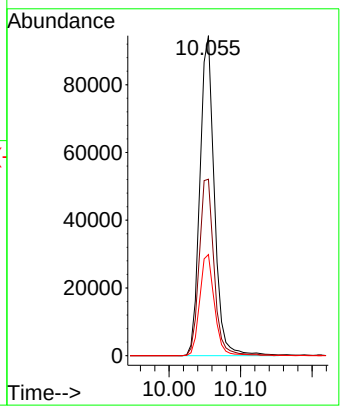


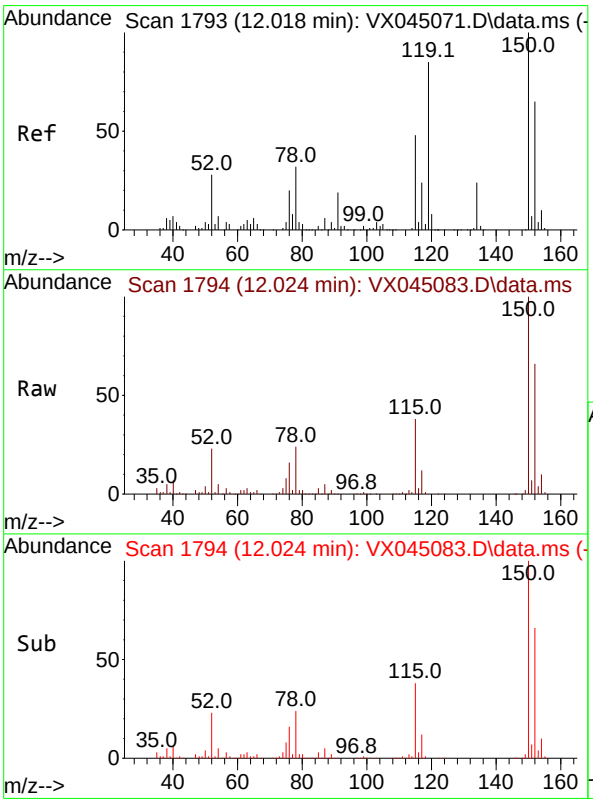
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045083.D
Acq: 28 Feb 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-900-902

Tgt Ion:117 Resp: 132699

Ion	Ratio	Lower	Upper
117	100		
82	55.2	46.3	69.5
119	31.6	25.7	38.5

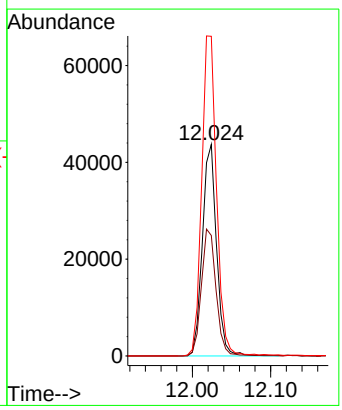




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045083.D
Acq: 28 Feb 2025 13:00

Tgt Ion:152 Resp: 55091

Ion	Ratio	Lower	Upper
152	100		
115	62.0	44.2	132.6
150	158.4	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045083.D
Acq On : 28 Feb 2025 13:00
Operator : JC/MD
Sample : Q1401-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-900-902

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045083.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	5	9	20	rBV	20995	23780	4.90%	0.933%
2	1.240	20	25	28	rBV	8516	12520	2.58%	0.491%
3	1.368	41	46	51	rBV2	7653	11929	2.46%	0.468%
4	1.447	55	59	64	rBV	5227	6484	1.33%	0.254%
5	1.569	71	79	80	rBV5	3757	7078	1.46%	0.278%
6	2.386	208	213	219	rVB	5449	8851	1.82%	0.347%
7	2.562	237	242	250	rVB4	3497	7621	1.57%	0.299%
8	5.385	695	705	718	rBV	56213	165736	34.12%	6.499%
9	5.544	721	731	744	rBV	77020	222821	45.87%	8.738%
10	5.952	789	798	819	rBV	63470	173247	35.67%	6.794%
11	6.757	922	930	943	rBV	140780	342779	70.57%	13.442%
12	8.647	1233	1240	1257	rBV	295392	485715	100.00%	19.047%
13	10.055	1465	1471	1480	rBV	290401	422376	86.96%	16.563%
14	11.079	1634	1639	1651	rBV	237243	299422	61.65%	11.742%
15	12.018	1788	1793	1806	rBV	276644	359752	74.07%	14.107%

Sum of corrected areas: 2550111

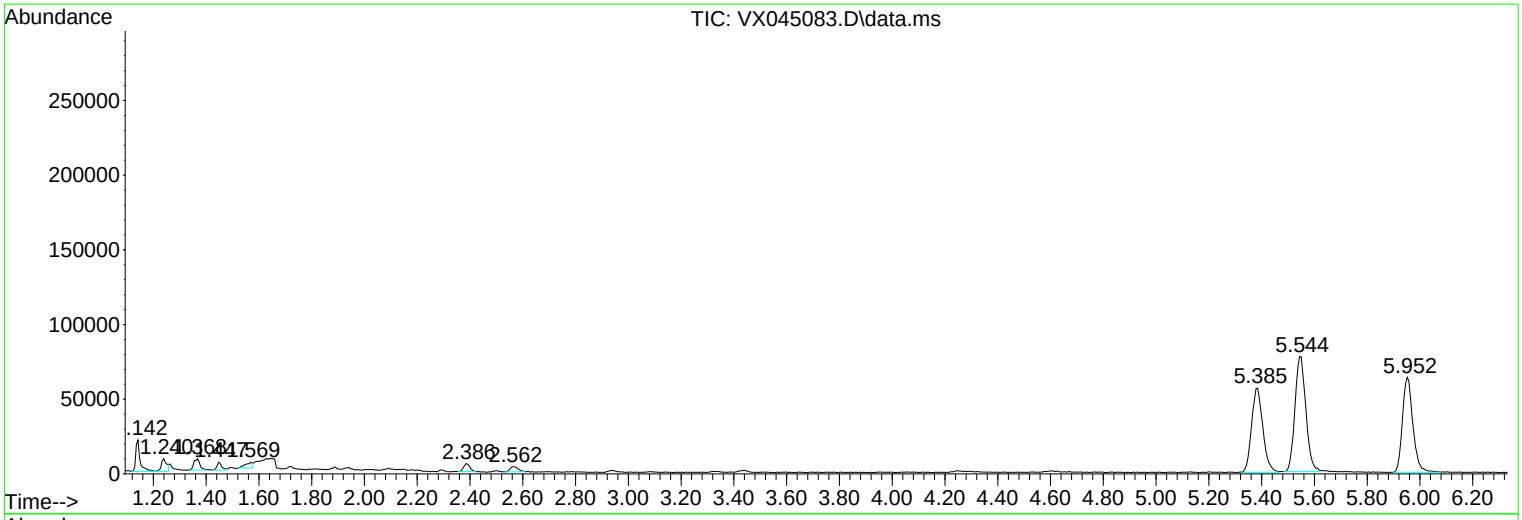
Sample Results: **VX045083.D**

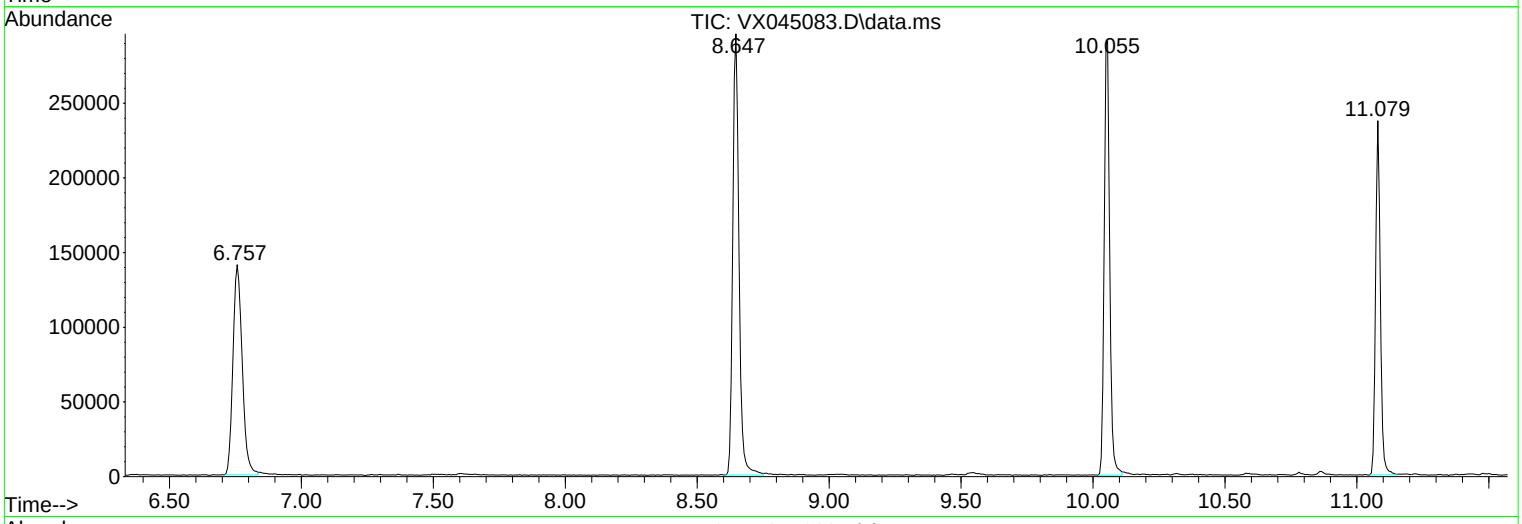
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045083.D
Acq On : 28 Feb 2025 13:00
Operator : JC/MD
Sample : Q1401-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

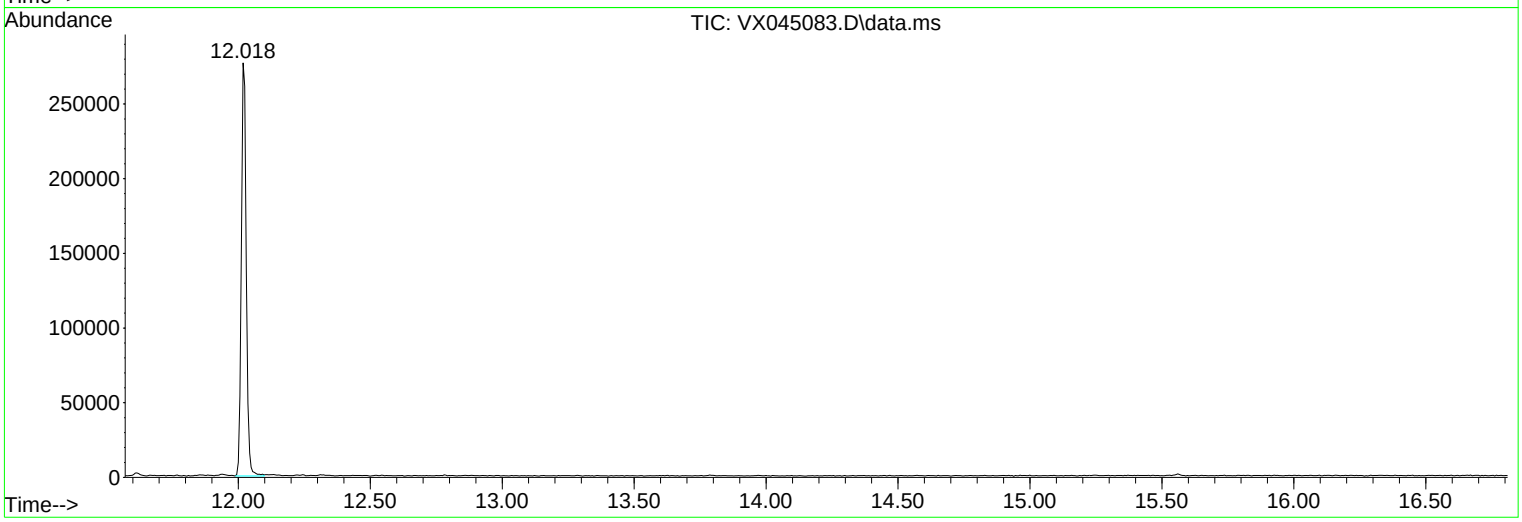
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-900-902

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045083.D
Acq On : 28 Feb 2025 13:00
Operator : JC/MD
Sample : Q1401-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-900-902

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045083.D
Acq On : 28 Feb 2025 13:00
Operator : JC/MD
Sample : Q1401-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-900-902

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/17/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-825-827	SDG No.:	Q1401
Lab Sample ID:	Q1401-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	10.1
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021328.D	1		02/26/25 13:54	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	24.8	U	11.5	24.8	49.6	ug/Kg
75-01-4	Vinyl Chloride	24.8	U	7.60	24.8	49.6	ug/Kg
74-83-9	Bromomethane	39.7	U	10.2	39.7	49.6	ug/Kg
75-00-3	Chloroethane	24.8	U	10.0	24.8	49.6	ug/Kg
75-69-4	Trichlorofluoromethane	39.7	U	9.00	39.7	49.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	24.8	U	10.6	24.8	49.6	ug/Kg
75-35-4	1,1-Dichloroethene	24.8	U	7.70	24.8	49.6	ug/Kg
67-64-1	Acetone	200	U	61.9	200	250	ug/Kg
75-15-0	Carbon Disulfide	39.7	U	12.7	39.7	49.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	24.8	U	6.60	24.8	49.6	ug/Kg
75-09-2	Methylene Chloride	79.4	U	33.8	79.4	99.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	24.8	U	8.30	24.8	49.6	ug/Kg
75-34-3	1,1-Dichloroethane	24.8	U	6.30	24.8	49.6	ug/Kg
78-93-3	2-Butanone	200	U	56.4	200	250	ug/Kg
56-23-5	Carbon Tetrachloride	24.8	U	8.60	24.8	49.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	24.8	U	6.10	24.8	49.6	ug/Kg
67-66-3	Chloroform	39.7	U	6.60	39.7	49.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	24.8	U	7.70	24.8	49.6	ug/Kg
108-87-2	Methylcyclohexane	24.8	U	8.60	24.8	49.6	ug/Kg
71-43-2	Benzene	24.8	U	7.10	24.8	49.6	ug/Kg
107-06-2	1,2-Dichloroethane	24.8	U	6.10	24.8	49.6	ug/Kg
79-01-6	Trichloroethene	24.8	U	7.40	24.8	49.6	ug/Kg
78-87-5	1,2-Dichloropropane	24.8	U	6.50	24.8	49.6	ug/Kg
75-27-4	Bromodichloromethane	24.8	U	5.60	24.8	49.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	120	U	43.2	120	250	ug/Kg
108-88-3	Toluene	24.8	U	6.60	24.8	49.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	24.8	U	6.00	24.8	49.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	24.8	U	5.70	24.8	49.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	24.8	U	8.30	24.8	49.6	ug/Kg
591-78-6	2-Hexanone	120	U	47.5	120	250	ug/Kg

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/17/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-825-827	SDG No.:	Q1401
Lab Sample ID:	Q1401-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	10.1
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021328.D	1		02/26/25 13:54	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	24.8	U	6.40	24.8	49.6	ug/Kg
127-18-4	Tetrachloroethene	24.8	U	8.80	24.8	49.6	ug/Kg
108-90-7	Chlorobenzene	24.8	U	7.30	24.8	49.6	ug/Kg
100-41-4	Ethyl Benzene	24.8	U	6.20	24.8	49.6	ug/Kg
179601-23-1	m/p-Xylenes	49.6	U	13.4	49.6	99.2	ug/Kg
95-47-6	o-Xylene	24.8	U	6.90	24.8	49.6	ug/Kg
100-42-5	Styrene	24.8	U	6.00	24.8	49.6	ug/Kg
75-25-2	Bromoform	24.8	U	8.00	24.8	49.6	ug/Kg
98-82-8	Isopropylbenzene	24.8	U	6.60	24.8	49.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	24.8	U	10.9	24.8	49.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	24.8	U	7.30	24.8	49.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	24.8	U	7.90	24.8	49.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	24.8	U	5.90	24.8	49.6	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.3		71 - 136		123%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		78 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	49.4		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		79 - 119		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	238000	7.707				
540-36-3	1,4-Difluorobenzene	467000	8.616				
3114-55-4	Chlorobenzene-d5	480000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	211000	13.346				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/17/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-825-827	SDG No.:	Q1401
Lab Sample ID:	Q1401-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	10.1
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021328.D	1		02/26/25 13:54	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021328.D
Acq On : 26 Feb 2025 13:54
Operator : SY/MD
Sample : Q1401-07
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-825-827

Quant Time: Feb 27 00:37:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

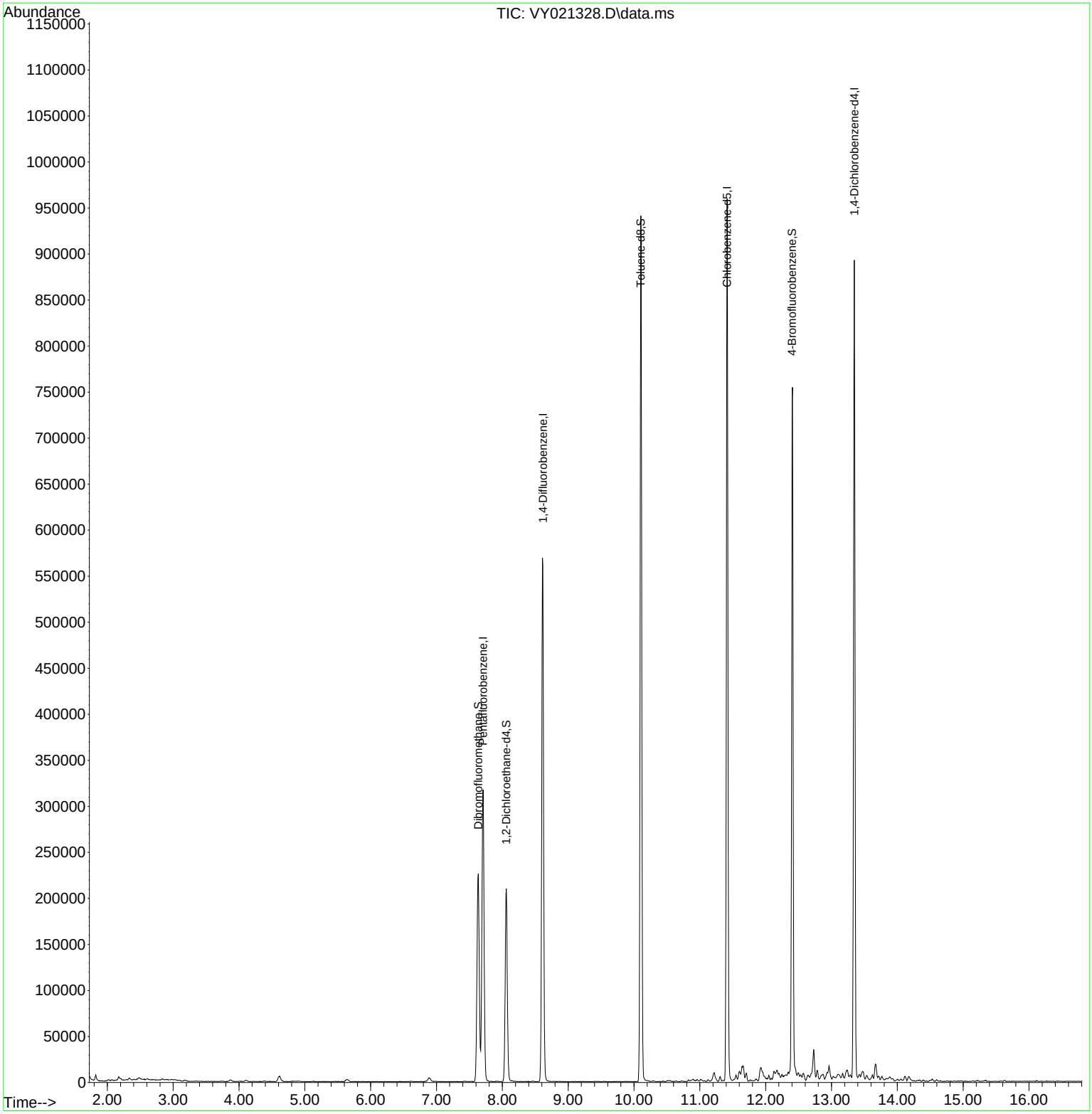
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	237643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	467253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	479781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	211227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165185	61.274	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.540%			
35) Dibromofluoromethane	7.634	113	159219	51.975	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.960%			
50) Toluene-d8	10.103	98	584543	49.374	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.740%			
62) 4-Bromofluorobenzene	12.401	95	222969	55.961	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.920%			
Target Compounds						Qvalue

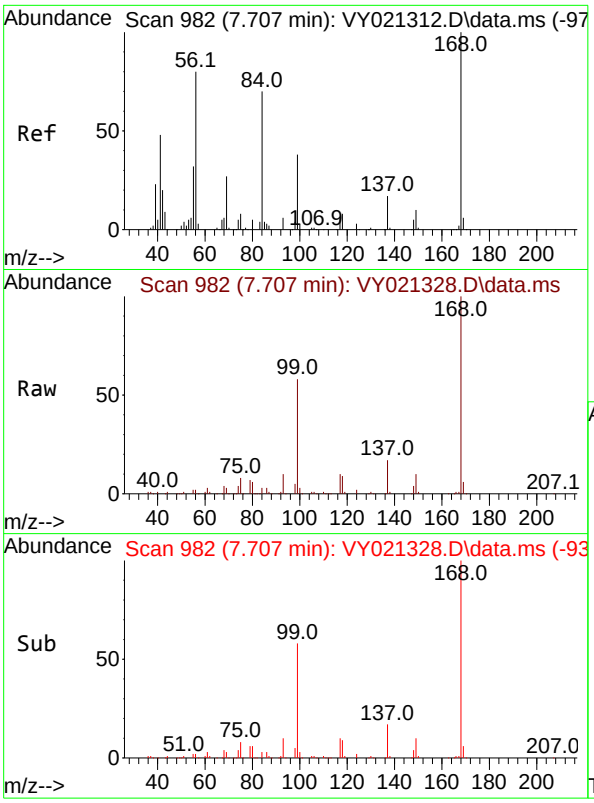
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021328.D
Acq On : 26 Feb 2025 13:54
Operator : SY/MD
Sample : Q1401-07
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-825-827

Quant Time: Feb 27 00:37:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



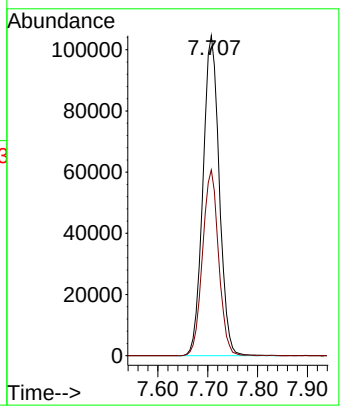


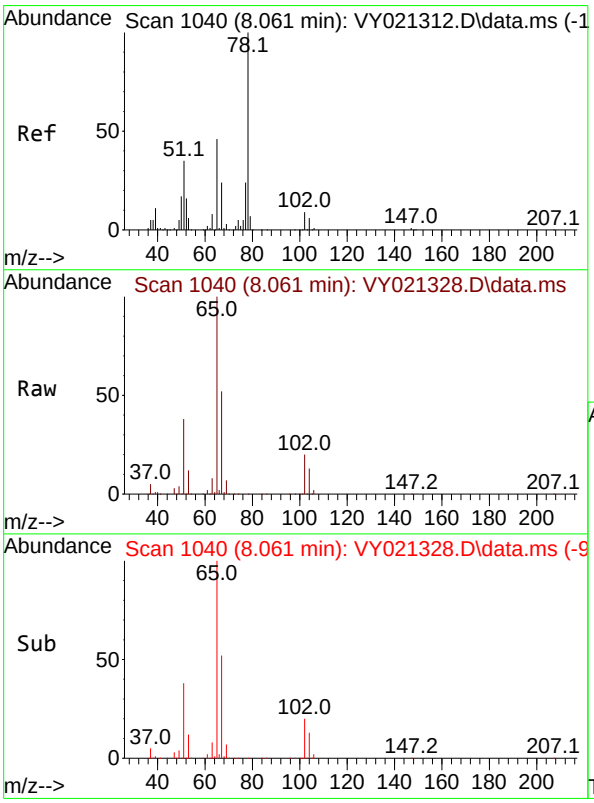
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021328.D
Acq: 26 Feb 2025 13:54

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-825-827

Tgt Ion:168 Resp: 237643

Ion	Ratio	Lower	Upper
168	100		
99	58.0	47.1	70.7

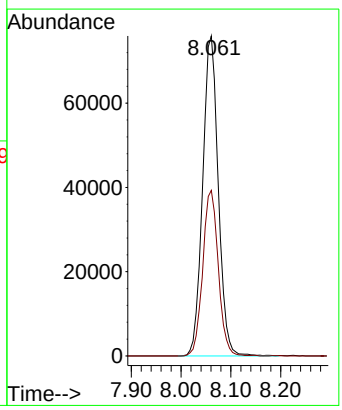


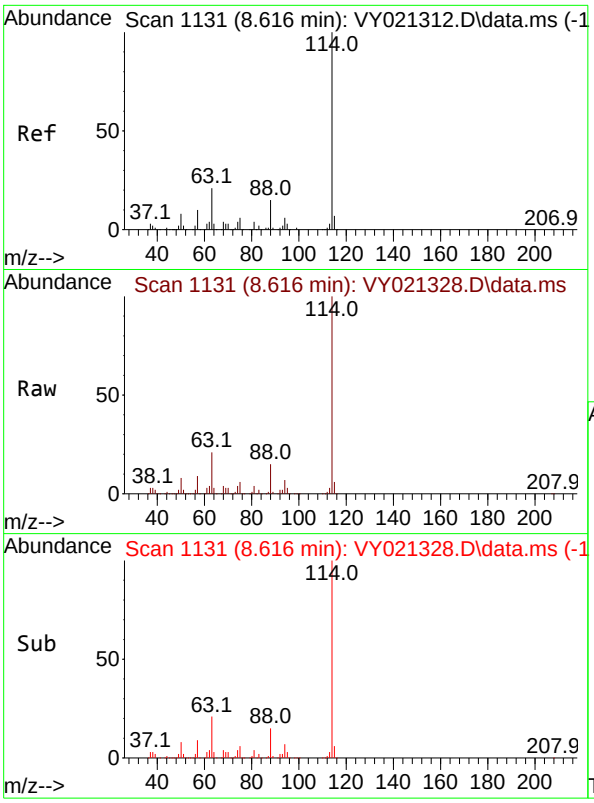


#33
1,2-Dichloroethane-d4
Concen: 61.274 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021328.D
Acq: 26 Feb 2025 13:54

Tgt Ion: 65 Resp: 165185

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.6



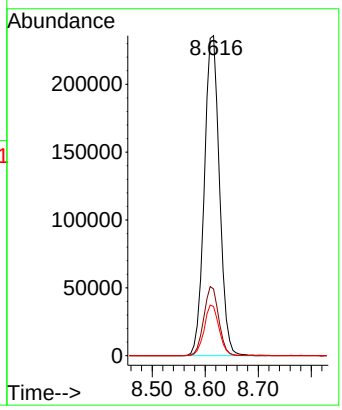


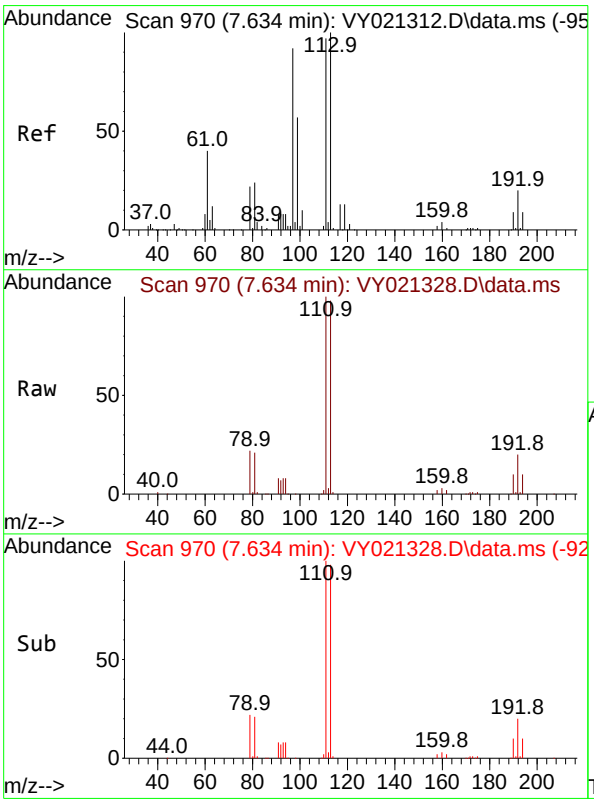
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021328.D
Acq: 26 Feb 2025 13:54

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-825-827

Tgt Ion:114 Resp: 467253

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.2
88	15.4	0.0	29.8

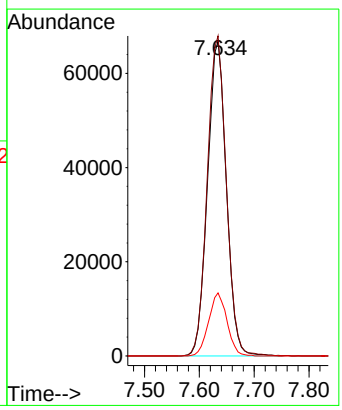


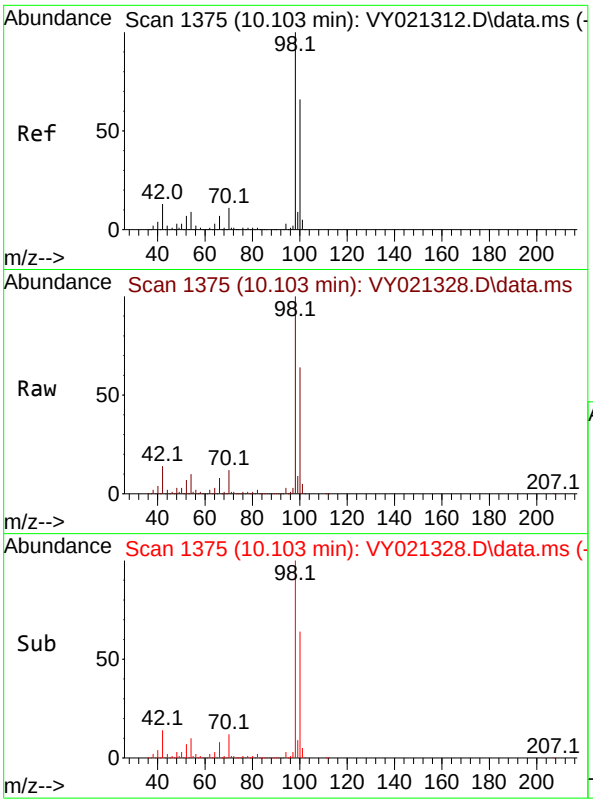


#35
Dibromofluoromethane
Concen: 51.975 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021328.D
Acq: 26 Feb 2025 13:54

Tgt Ion:113 Resp: 159219

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.0	121.6
192	19.6	15.8	23.8



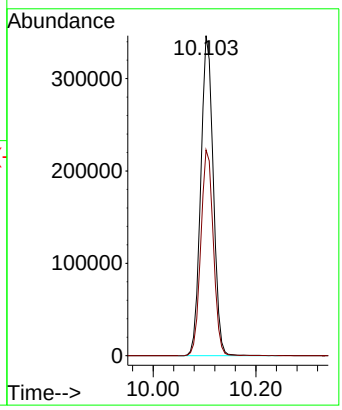


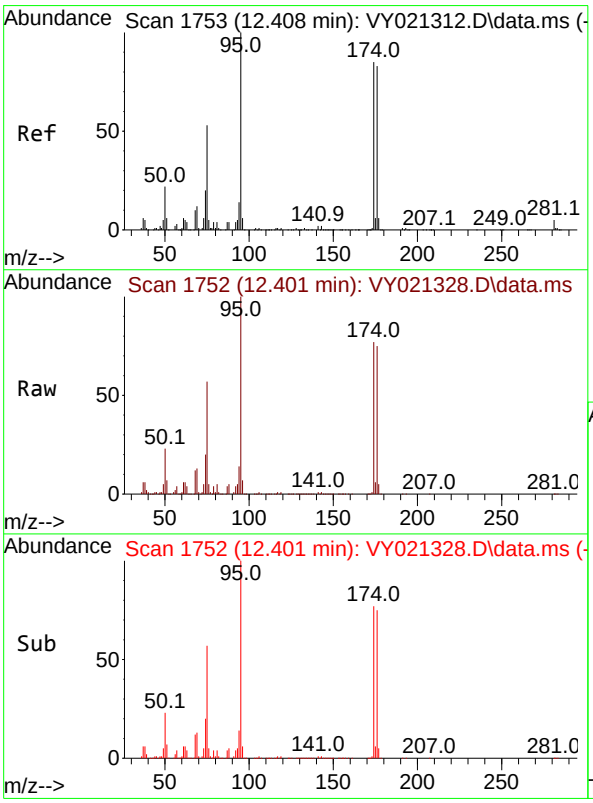
#50
Toluene-d8
Concen: 49.374 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021328.D
Acq: 26 Feb 2025 13:54

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-825-827

Tgt Ion: 98 Resp: 584543

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.4	78.6

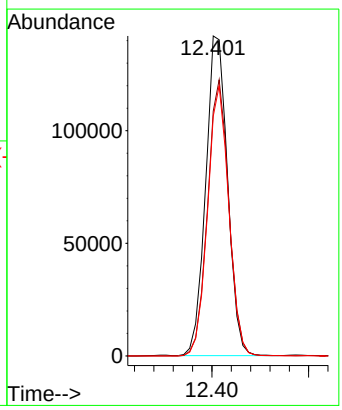


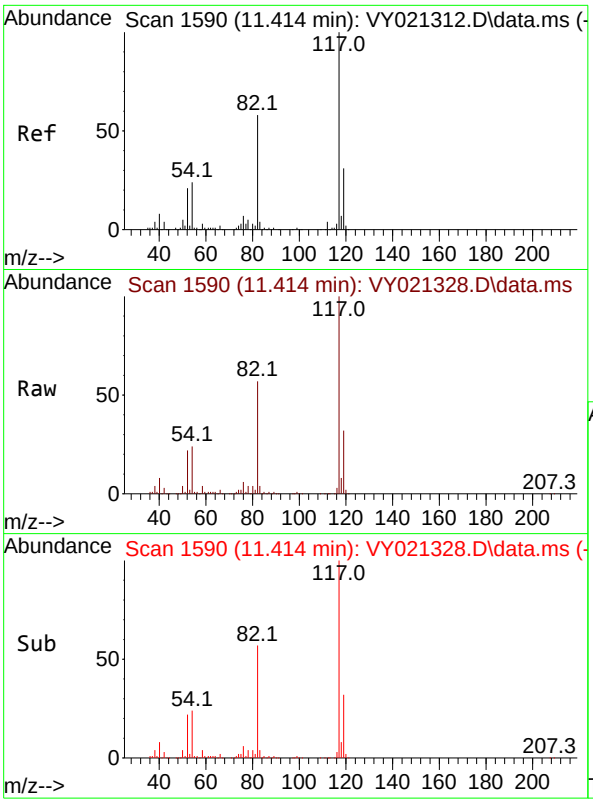


#62
4-Bromofluorobenzene
Concen: 55.961 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021328.D
Acq: 26 Feb 2025 13:54

Tgt Ion: 95 Resp: 222969

Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	168.0
176	81.9	0.0	162.6



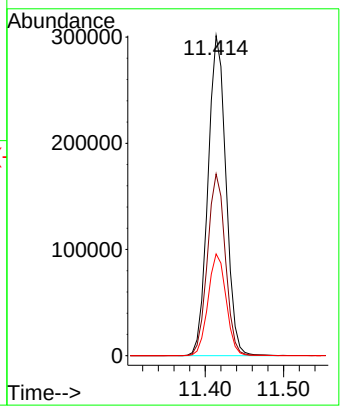


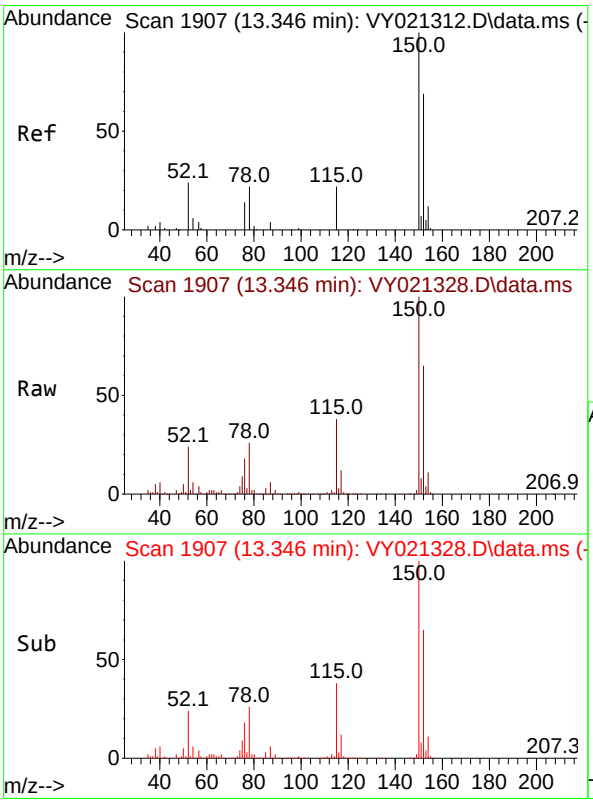
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021328.D
Acq: 26 Feb 2025 13:54

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-825-827

Tgt Ion:117 Resp: 479781

Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.2	69.4
119	31.8	24.9	37.3

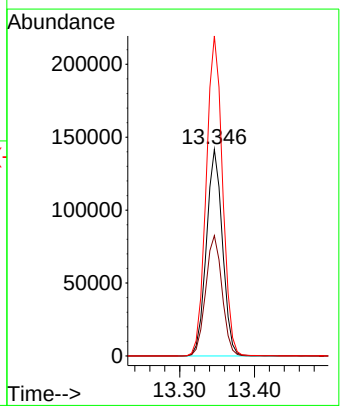




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021328.D
Acq: 26 Feb 2025 13:54

Tgt Ion:152 Resp: 211227

Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.3	88.0
150	157.2	0.0	347.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021328.D
Acq On : 26 Feb 2025 13:54
Operator : SY/MD
Sample : Q1401-07
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-825-827

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Title : SW846 8260

Signal : TIC: VY021328.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	464	475	489	rBV2	6160	18770	1.18%	0.213%
2	7.634	957	970	976	rBV	225992	546477	34.34%	6.201%
3	7.707	976	982	993	rVB	316378	705201	44.32%	8.002%
4	8.061	1029	1040	1052	rBV	209447	461235	28.99%	5.234%
5	8.609	1121	1130	1144	rBV	568773	1121021	70.45%	12.720%
6	10.103	1367	1375	1389	rBV	940565	1591229	100.00%	18.055%
7	11.219	1548	1558	1567	rVB5	9693	26564	1.67%	0.301%
8	11.414	1583	1590	1602	rBV	958001	1528888	96.08%	17.348%
9	11.603	1616	1621	1624	rVV6	10495	22543	1.42%	0.256%
10	11.658	1624	1630	1634	rVV4	16526	44286	2.78%	0.503%
11	11.926	1667	1674	1683	rBV6	14689	49961	3.14%	0.567%
12	12.127	1702	1707	1710	rBV5	8943	17113	1.08%	0.194%
13	12.408	1744	1753	1759	rBV	745457	1177133	73.98%	13.357%
14	12.731	1796	1806	1811	rVV6	32396	71175	4.47%	0.808%
15	12.962	1841	1844	1851	rVB4	14493	24895	1.56%	0.282%
16	13.237	1882	1889	1893	rBV5	8326	19714	1.24%	0.224%
17	13.346	1900	1907	1916	rVB	888119	1335953	83.96%	15.159%
18	13.474	1922	1928	1934	rVB7	8332	20451	1.29%	0.232%
19	13.669	1955	1960	1965	rBV6	15624	30394	1.91%	0.345%

Sum of corrected areas: 8813003

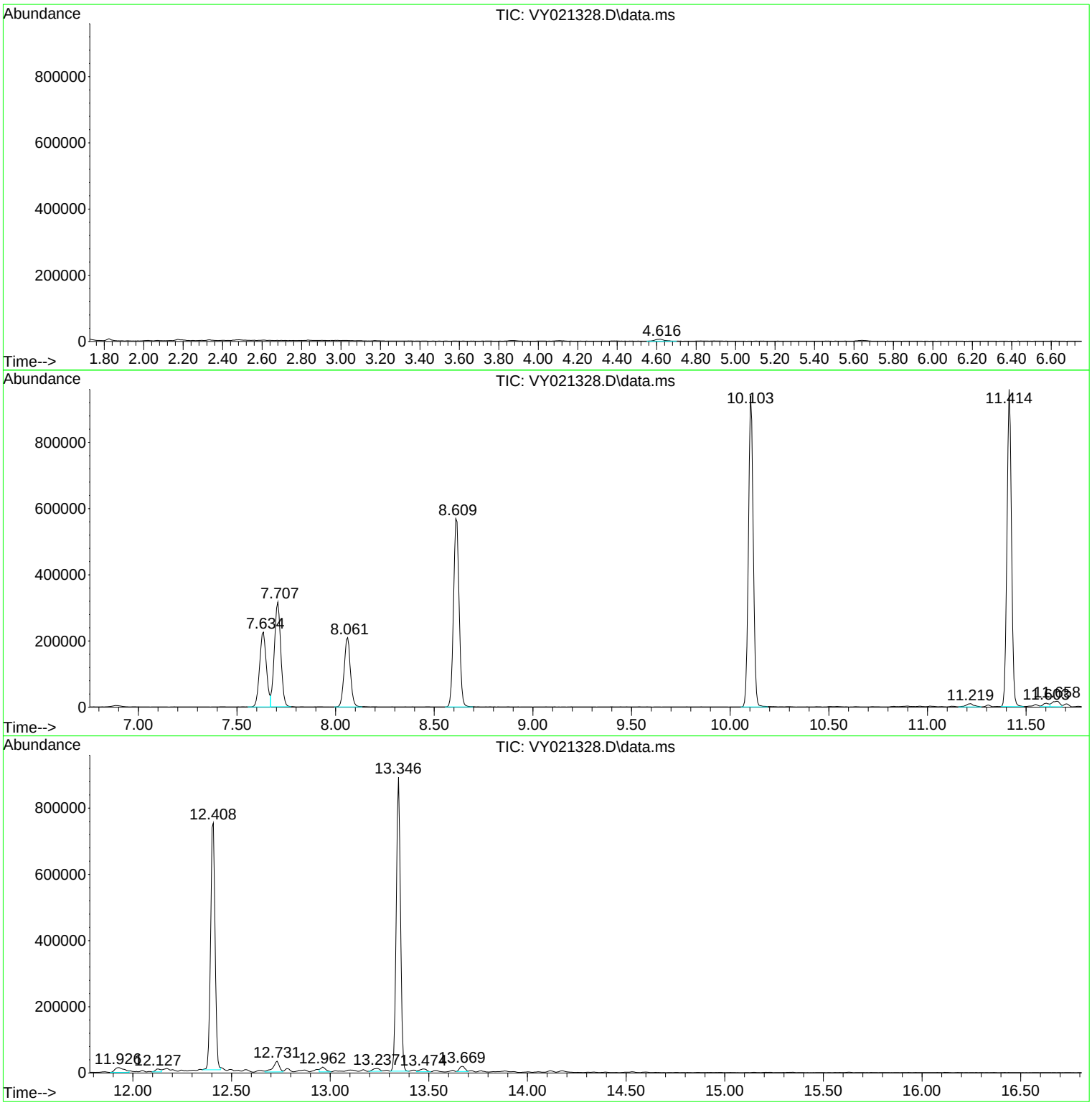
Sample Results: **VY021328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021328.D
Acq On : 26 Feb 2025 13:54
Operator : SY/MD
Sample : Q1401-07
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-825-827

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021328.D
Acq On : 26 Feb 2025 13:54
Operator : SY/MD
Sample : Q1401-07
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-825-827

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021328.D
Acq On : 26 Feb 2025 13:54
Operator : SY/MD
Sample : Q1401-07
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-825-827

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/18/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-860-862	SDG No.:	Q1401
Lab Sample ID:	Q1401-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	9.2
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021329.D	1		02/26/25 14:17	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	27.0	U	12.5	27.0	53.9	ug/Kg
75-01-4	Vinyl Chloride	27.0	U	8.30	27.0	53.9	ug/Kg
74-83-9	Bromomethane	43.1	U	11.1	43.1	53.9	ug/Kg
75-00-3	Chloroethane	27.0	U	10.9	27.0	53.9	ug/Kg
75-69-4	Trichlorofluoromethane	43.1	U	9.80	43.1	53.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	27.0	U	11.5	27.0	53.9	ug/Kg
75-35-4	1,1-Dichloroethene	27.0	U	8.40	27.0	53.9	ug/Kg
67-64-1	Acetone	220	U	67.3	220	270	ug/Kg
75-15-0	Carbon Disulfide	43.1	U	13.8	43.1	53.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	27.0	U	7.20	27.0	53.9	ug/Kg
75-09-2	Methylene Chloride	86.3	U	36.8	86.3	110	ug/Kg
156-60-5	trans-1,2-Dichloroethene	27.0	U	9.10	27.0	53.9	ug/Kg
75-34-3	1,1-Dichloroethane	27.0	U	6.80	27.0	53.9	ug/Kg
78-93-3	2-Butanone	220	U	61.2	220	270	ug/Kg
56-23-5	Carbon Tetrachloride	27.0	U	9.40	27.0	53.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	27.0	U	6.60	27.0	53.9	ug/Kg
67-66-3	Chloroform	43.1	U	7.20	43.1	53.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	27.0	U	8.40	27.0	53.9	ug/Kg
108-87-2	Methylcyclohexane	27.0	U	9.40	27.0	53.9	ug/Kg
71-43-2	Benzene	27.0	U	7.80	27.0	53.9	ug/Kg
107-06-2	1,2-Dichloroethane	27.0	U	6.60	27.0	53.9	ug/Kg
79-01-6	Trichloroethene	27.0	U	8.10	27.0	53.9	ug/Kg
78-87-5	1,2-Dichloropropane	27.0	U	7.10	27.0	53.9	ug/Kg
75-27-4	Bromodichloromethane	27.0	U	6.00	27.0	53.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	130	U	46.9	130	270	ug/Kg
108-88-3	Toluene	27.0	U	7.20	27.0	53.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	27.0	U	6.50	27.0	53.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	27.0	U	6.10	27.0	53.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	27.0	U	9.10	27.0	53.9	ug/Kg
591-78-6	2-Hexanone	130	U	51.7	130	270	ug/Kg

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/18/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-860-862	SDG No.:	Q1401
Lab Sample ID:	Q1401-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	9.2
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021329.D	1		02/26/25 14:17	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	27.0	U	7.00	27.0	53.9	ug/Kg
127-18-4	Tetrachloroethene	27.0	U	9.60	27.0	53.9	ug/Kg
108-90-7	Chlorobenzene	27.0	U	8.00	27.0	53.9	ug/Kg
100-41-4	Ethyl Benzene	27.0	U	6.70	27.0	53.9	ug/Kg
179601-23-1	m/p-Xylenes	53.9	U	14.6	53.9	110	ug/Kg
95-47-6	o-Xylene	27.0	U	7.50	27.0	53.9	ug/Kg
100-42-5	Styrene	27.0	U	6.50	27.0	53.9	ug/Kg
75-25-2	Bromoform	27.0	U	8.70	27.0	53.9	ug/Kg
98-82-8	Isopropylbenzene	27.0	U	7.20	27.0	53.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	27.0	U	11.9	27.0	53.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	27.0	U	8.00	27.0	53.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	27.0	U	8.60	27.0	53.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	27.0	U	6.40	27.0	53.9	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	67.8		71 - 136		136%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	49.6		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.5		79 - 119		117%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	235000	7.707				
540-36-3	1,4-Difluorobenzene	467000	8.616				
3114-55-4	Chlorobenzene-d5	492000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	224000	13.347				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/18/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-860-862	SDG No.:	Q1401
Lab Sample ID:	Q1401-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	9.2
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021329.D	1		02/26/25 14:17	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021329.D
Acq On : 26 Feb 2025 14:17
Operator : SY/MD
Sample : Q1401-08
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

Quant Time: Feb 27 00:37:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

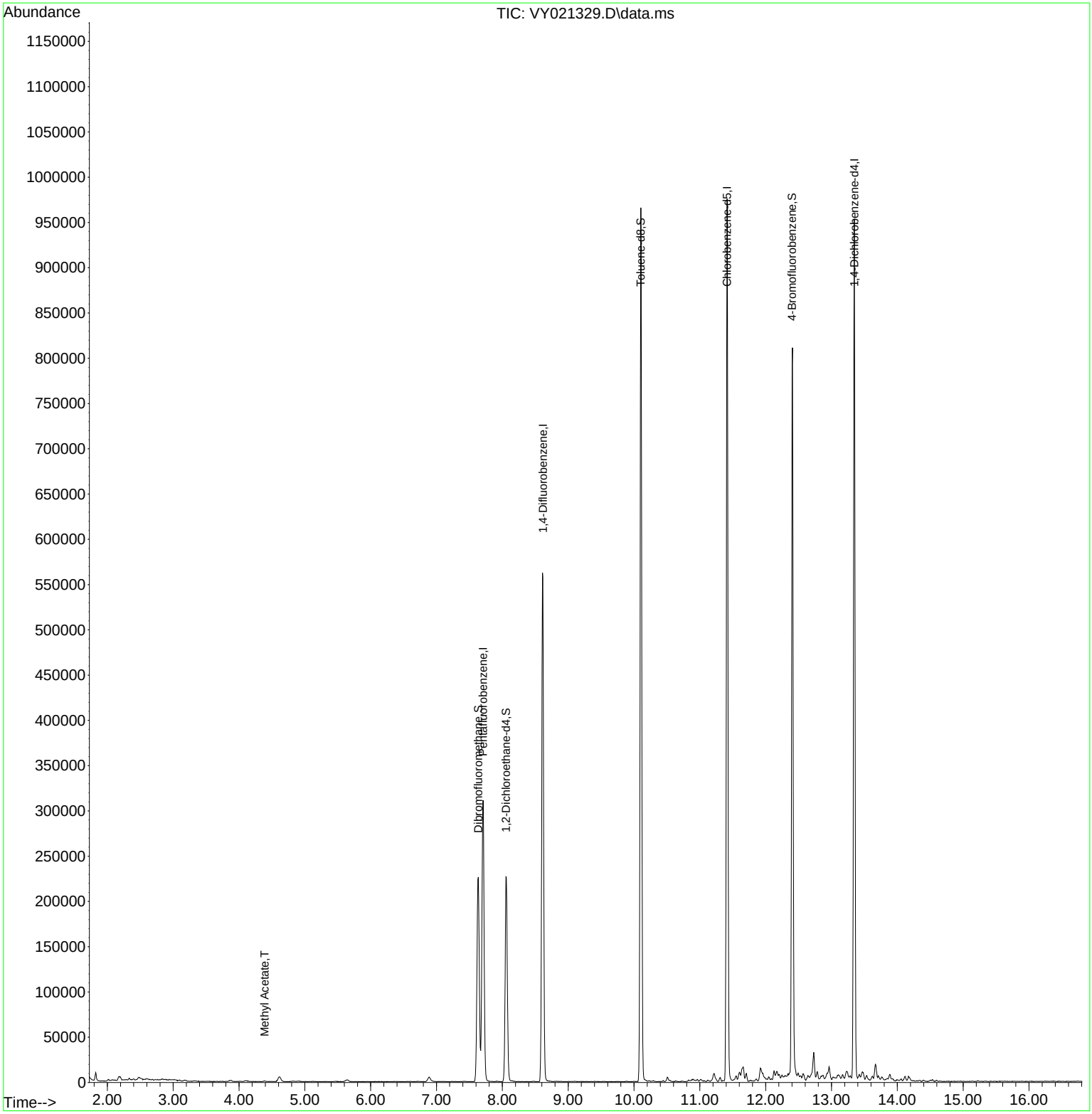
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	234926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	466686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	492462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	224351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	180680	67.797	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.600%			
35) Dibromofluoromethane	7.634	113	162833	53.220	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.440%			
50) Toluene-d8	10.103	98	586525	49.602	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.200%			
62) 4-Bromofluorobenzene	12.402	95	232790	58.497	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.000%			
Target Compounds						Qvalue
18) Methyl Acetate	4.391	43	1330	1.065	ug/l #	70

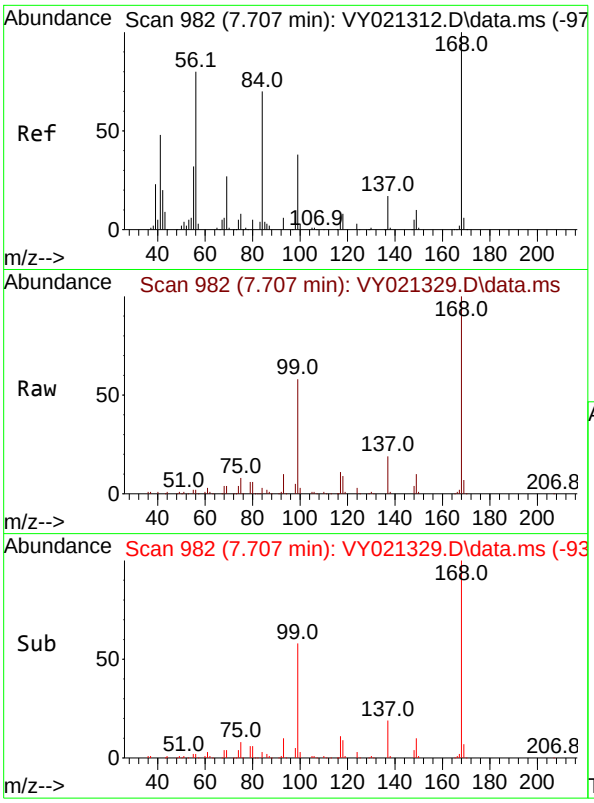
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021329.D
Acq On : 26 Feb 2025 14:17
Operator : SY/MD
Sample : Q1401-08
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

Quant Time: Feb 27 00:37:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



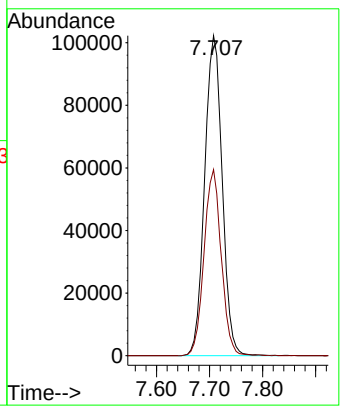


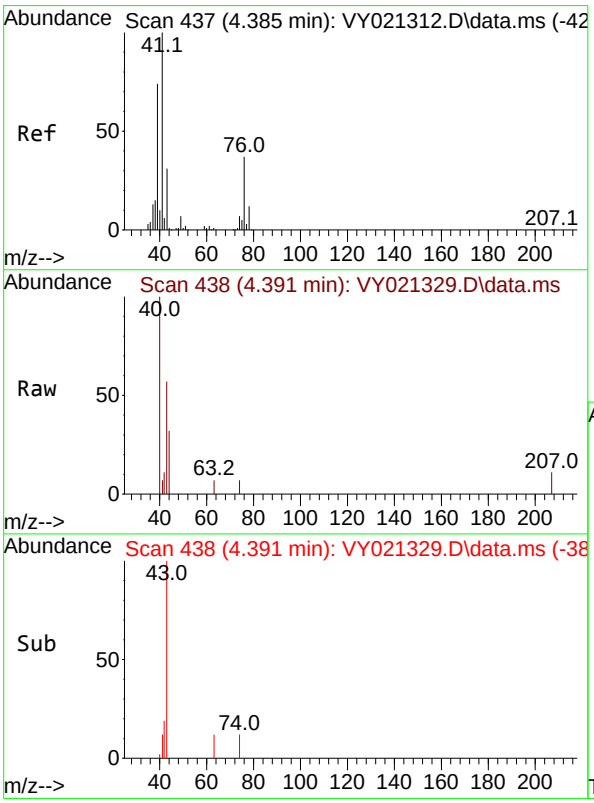
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

Tgt Ion:168 Resp: 234926

Ion	Ratio	Lower	Upper
168	100		
99	58.2	47.1	70.7

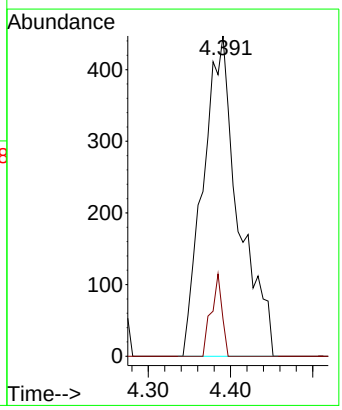


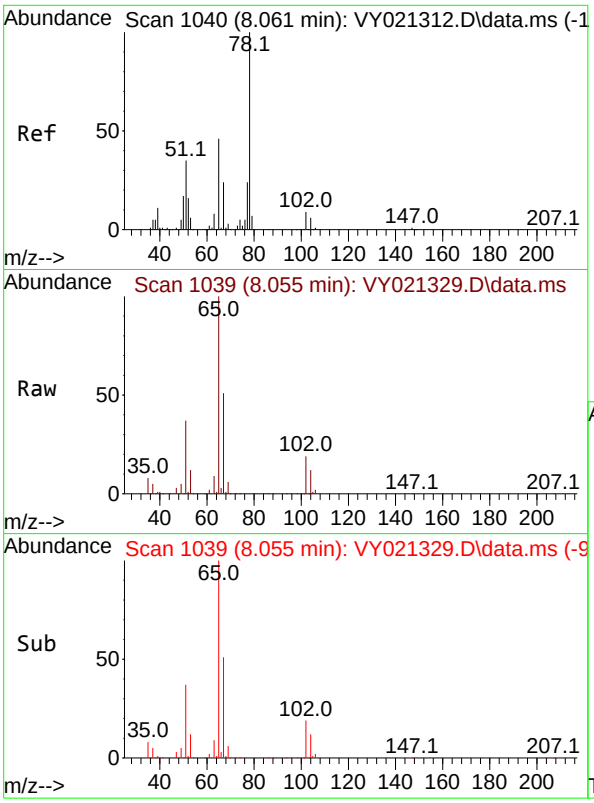


#18
Methyl Acetate
Concen: 1.065 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Tgt Ion: 43 Resp: 1330

Ion	Ratio	Lower	Upper
43	100		
74	7.9	17.7	26.5#



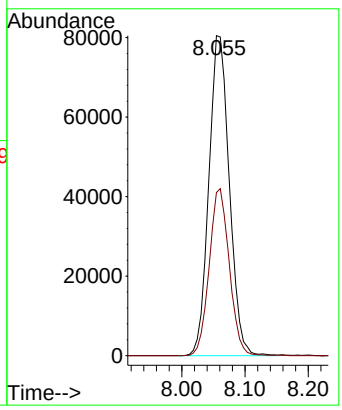


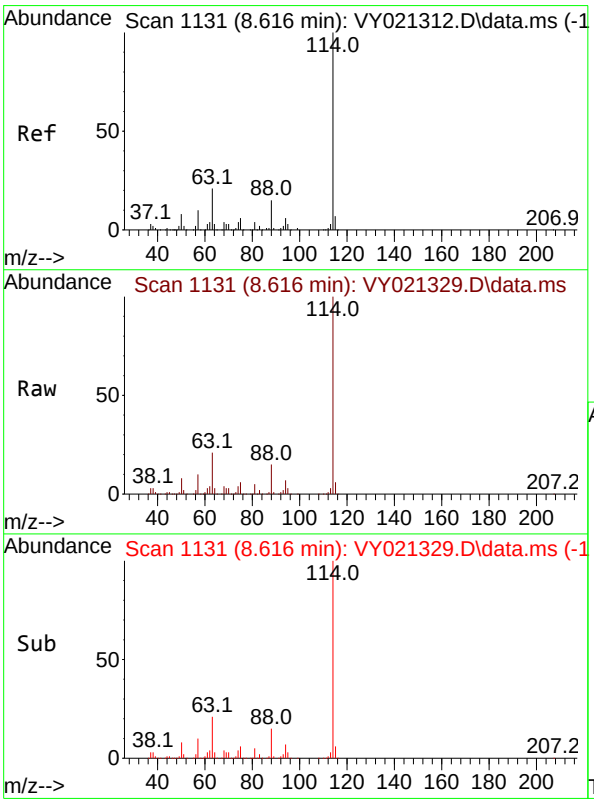
#33
1,2-Dichloroethane-d4
Concen: 67.797 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

Tgt Ion: 65 Resp: 180680

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.6

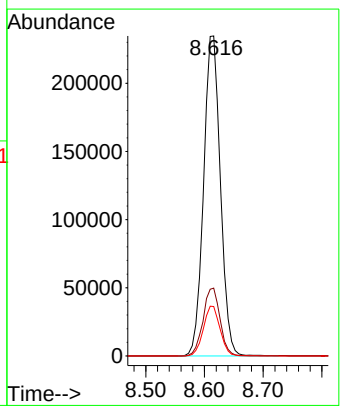


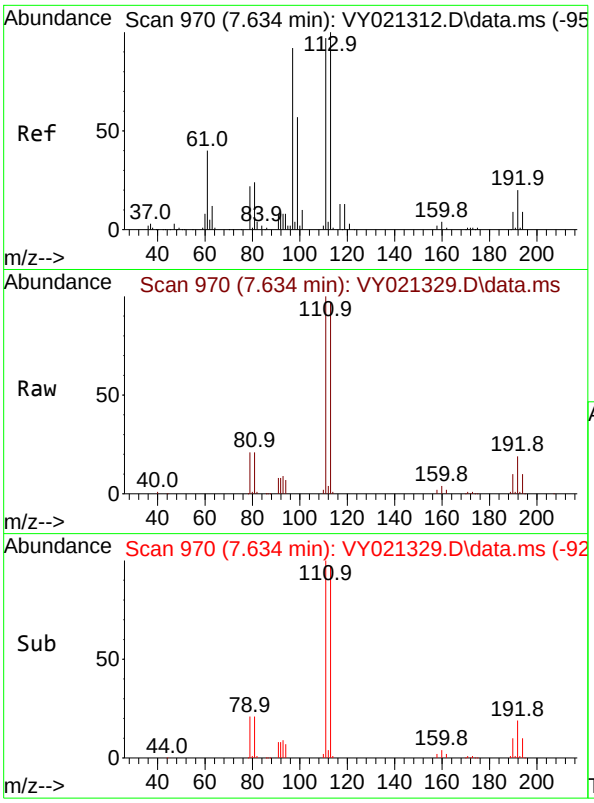


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Tgt Ion:114 Resp: 466686

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.2
88	15.5	0.0	29.8



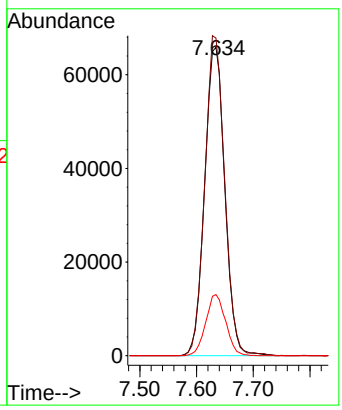


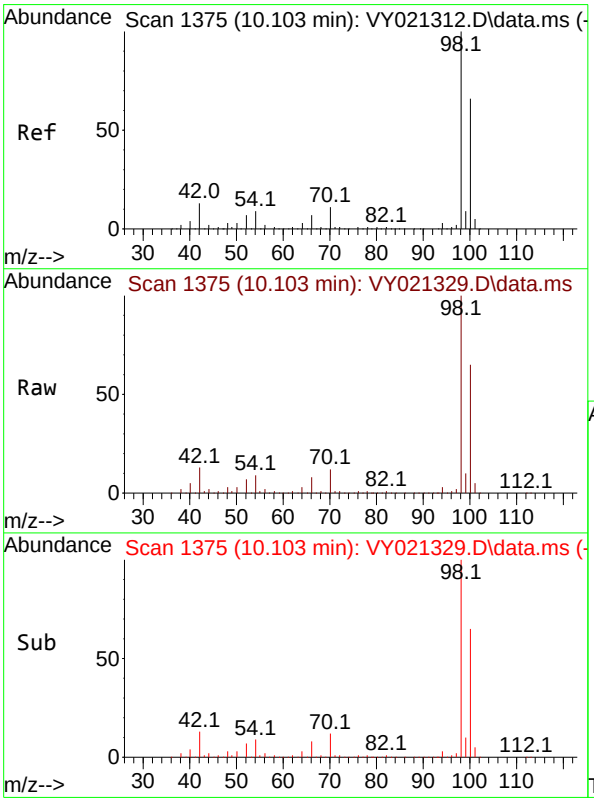
#35
Dibromofluoromethane
Concen: 53.220 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

Tgt Ion:113 Resp: 162833

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.0	121.6
192	19.6	15.8	23.8

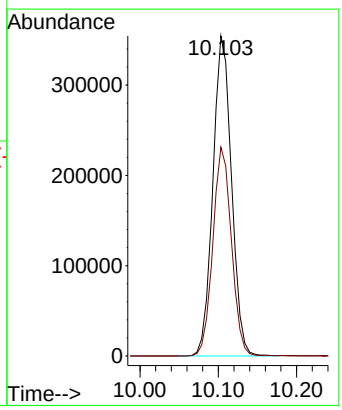


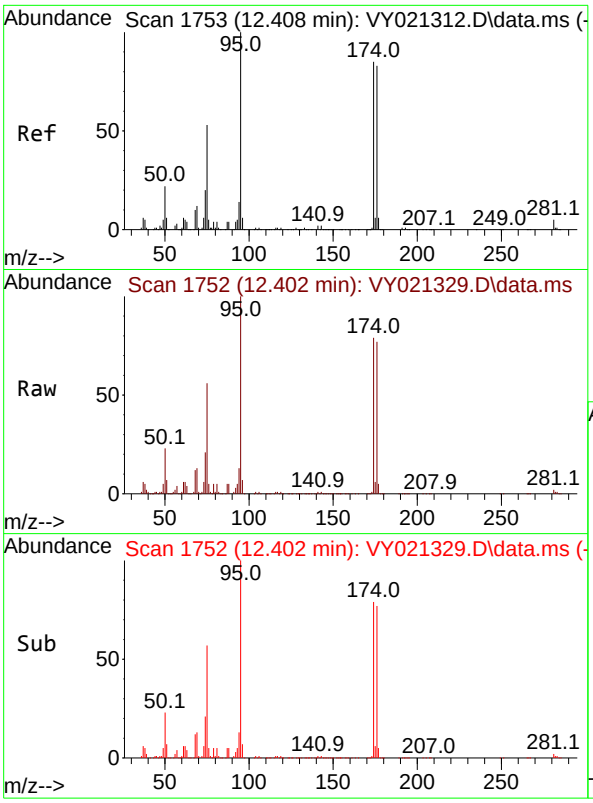


#50
Toluene-d8
Concen: 49.602 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Tgt Ion: 98 Resp: 586525

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6



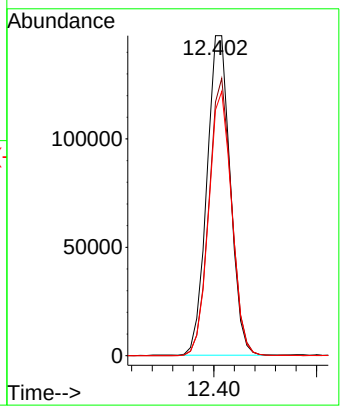


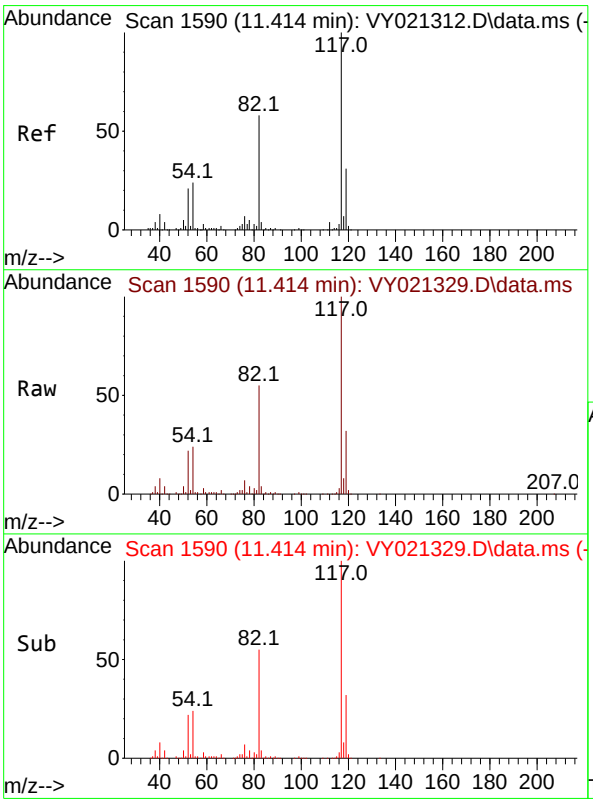
#62
4-Bromofluorobenzene
Concen: 58.497 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

Tgt Ion: 95 Resp: 232790

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	168.0
176	81.9	0.0	162.6

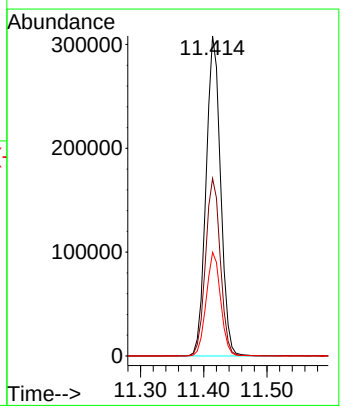


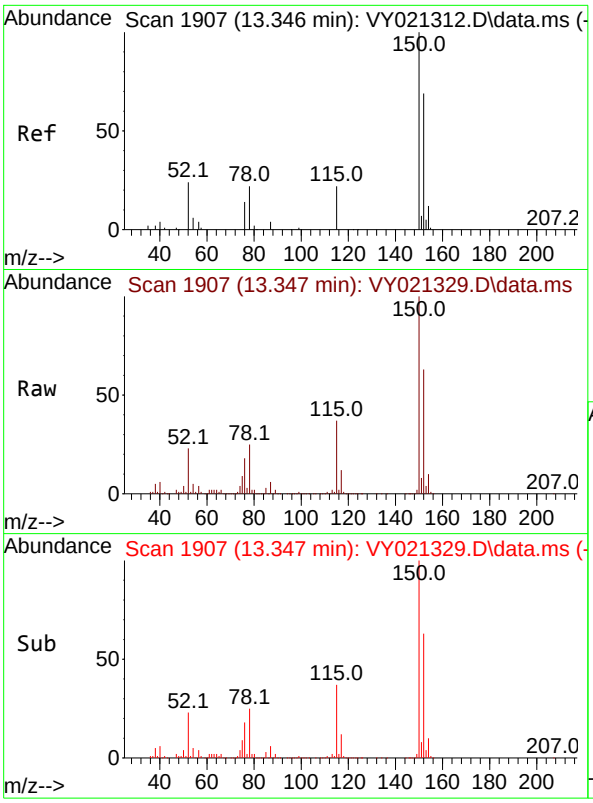


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Tgt Ion:117 Resp: 492462

Ion	Ratio	Lower	Upper
117	100		
82	55.4	46.2	69.4
119	32.4	24.9	37.3



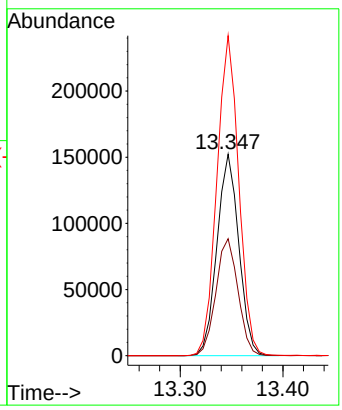


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021329.D
Acq: 26 Feb 2025 14:17

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

Tgt Ion:152 Resp: 224351

Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.3	88.0
150	158.8	0.0	347.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021329.D
Acq On : 26 Feb 2025 14:17
Operator : SY/MD
Sample : Q1401-08
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Title : SW846 8260

Signal : TIC: VY021329.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	467	475	488	rVB4	5307	17103	1.07%	0.188%
2	6.890	838	848	859	rBV	5158	16412	1.02%	0.180%
3	7.634	960	970	976	rBV	226020	556713	34.74%	6.121%
4	7.707	976	982	995	rVB	310327	702648	43.84%	7.726%
5	8.055	1030	1039	1053	rBV	226358	510537	31.85%	5.613%
6	8.610	1122	1130	1146	rBV	562154	1119194	69.83%	12.306%
7	10.103	1367	1375	1392	rBV	965320	1602695	100.00%	17.622%
8	11.213	1548	1557	1567	rVB3	8854	24212	1.51%	0.266%
9	11.414	1582	1590	1603	rBV	974139	1566517	97.74%	17.224%
10	11.658	1624	1630	1634	rVV5	14790	36942	2.30%	0.406%
11	11.920	1667	1673	1687	rBV5	14341	49256	3.07%	0.542%
12	12.408	1746	1753	1764	rVB	804120	1313162	81.93%	14.439%
13	12.731	1796	1806	1811	rVV4	29777	64361	4.02%	0.708%
14	12.962	1841	1844	1851	rVB5	14064	23714	1.48%	0.261%
15	13.231	1882	1888	1894	rBV5	7636	18796	1.17%	0.207%
16	13.347	1900	1907	1915	rVB	949375	1423105	88.79%	15.647%
17	13.468	1922	1927	1933	rVB6	8381	19725	1.23%	0.217%
18	13.670	1955	1960	1965	rBV5	15578	29725	1.85%	0.327%

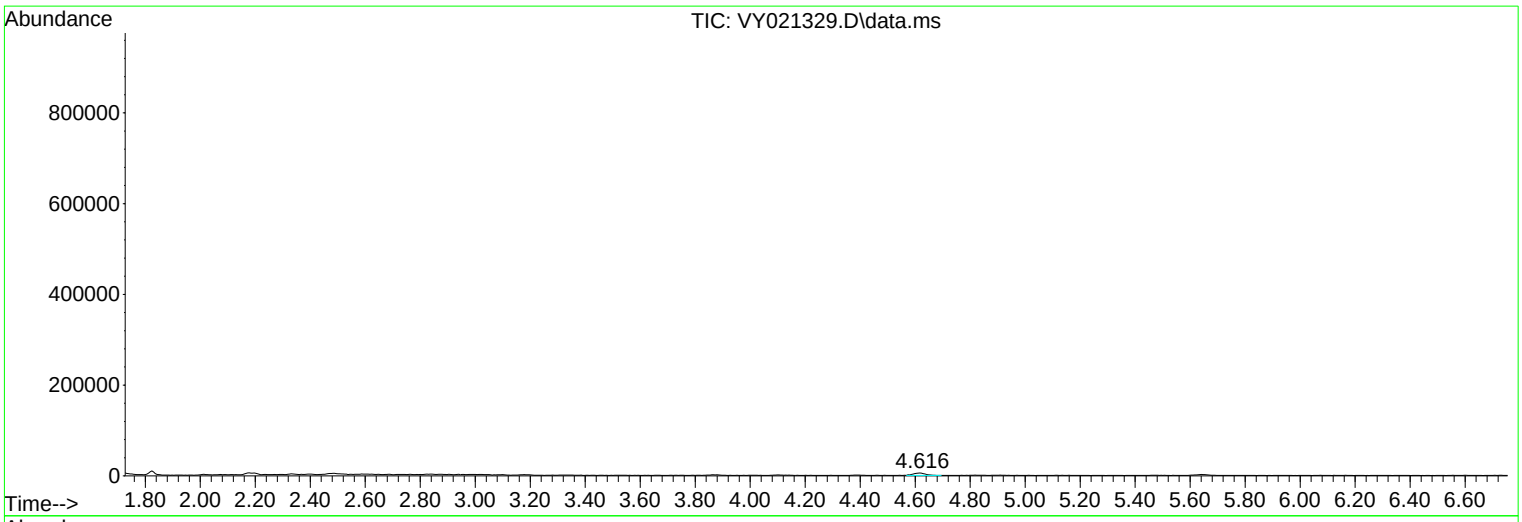
Sum of corrected areas: 9094817

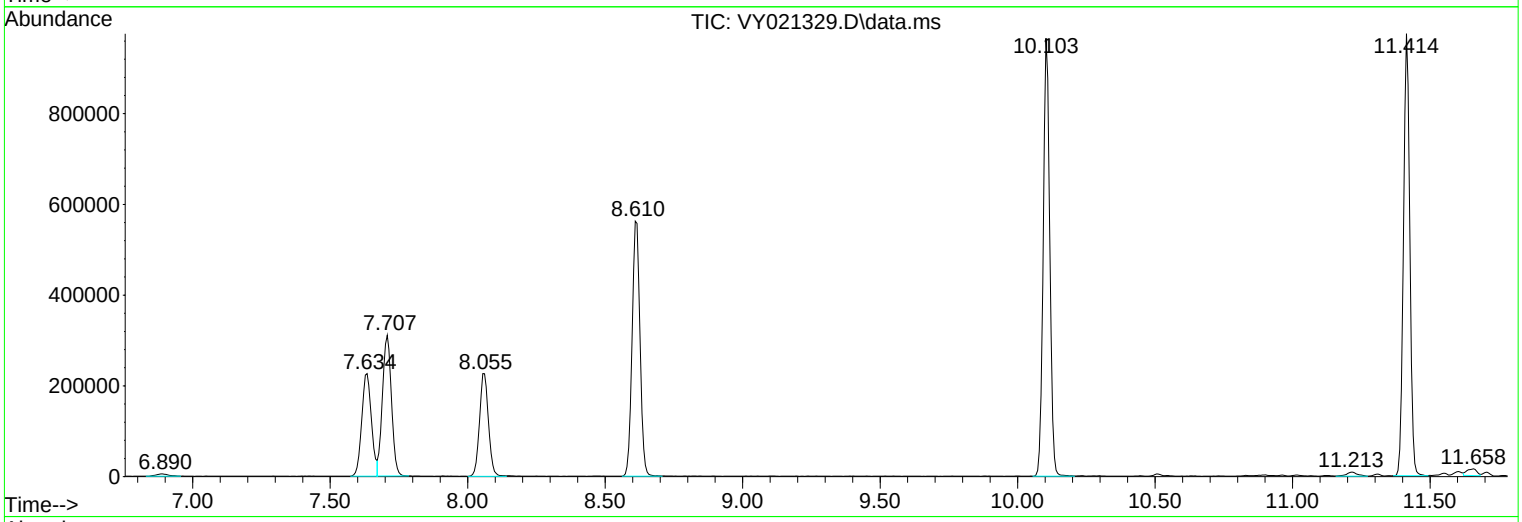
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021329.D
Acq On : 26 Feb 2025 14:17
Operator : SY/MD
Sample : Q1401-08
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

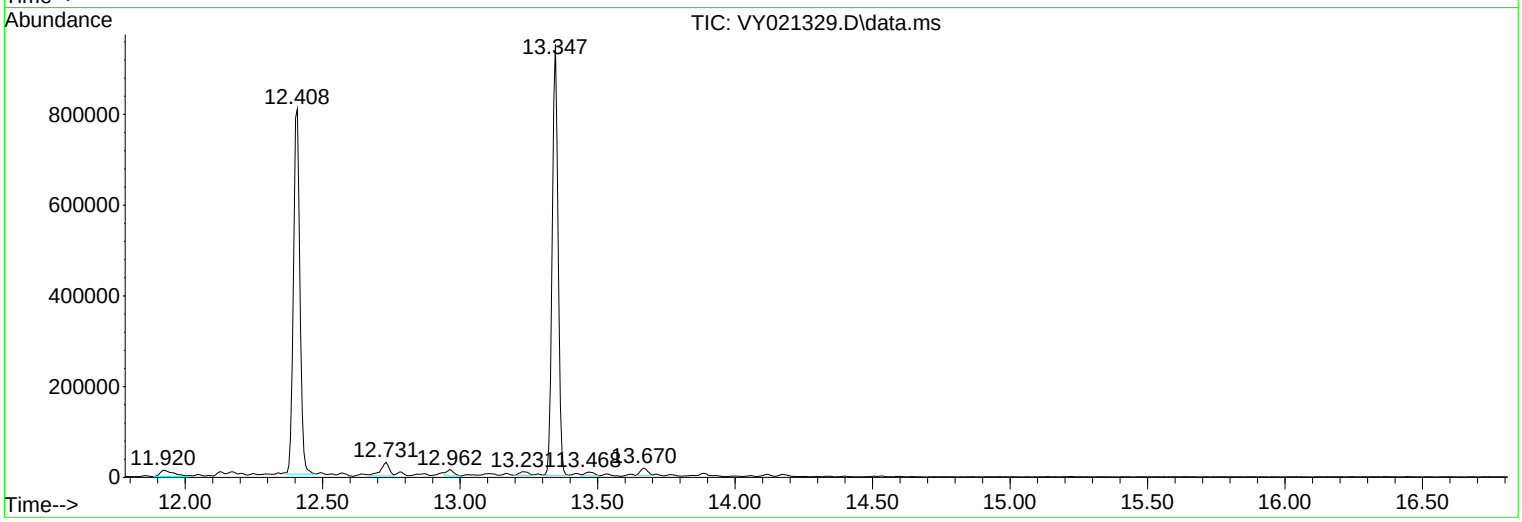
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021329.D
Acq On : 26 Feb 2025 14:17
Operator : SY/MD
Sample : Q1401-08
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021329.D
Acq On : 26 Feb 2025 14:17
Operator : SY/MD
Sample : Q1401-08
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-860-862

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/19/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-880-882	SDG No.:	Q1401
Lab Sample ID:	Q1401-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	5.9
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021330.D	1		02/26/25 14:40	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	42.0	U	19.5	42.0	83.9	ug/Kg
75-01-4	Vinyl Chloride	42.0	U	12.9	42.0	83.9	ug/Kg
74-83-9	Bromomethane	67.1	U	17.3	67.1	83.9	ug/Kg
75-00-3	Chloroethane	42.0	U	16.9	42.0	83.9	ug/Kg
75-69-4	Trichlorofluoromethane	67.1	U	15.3	67.1	83.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	42.0	U	18.0	42.0	83.9	ug/Kg
75-35-4	1,1-Dichloroethene	42.0	U	13.1	42.0	83.9	ug/Kg
67-64-1	Acetone	340	U	100	340	420	ug/Kg
75-15-0	Carbon Disulfide	67.1	U	21.5	67.1	83.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	42.0	U	11.2	42.0	83.9	ug/Kg
75-09-2	Methylene Chloride	130	U	57.2	130	170	ug/Kg
156-60-5	trans-1,2-Dichloroethene	42.0	U	14.1	42.0	83.9	ug/Kg
75-34-3	1,1-Dichloroethane	42.0	U	10.6	42.0	83.9	ug/Kg
78-93-3	2-Butanone	340	U	95.3	340	420	ug/Kg
56-23-5	Carbon Tetrachloride	42.0	U	14.6	42.0	83.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	42.0	U	10.2	42.0	83.9	ug/Kg
67-66-3	Chloroform	67.1	U	11.2	67.1	83.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	42.0	U	13.1	42.0	83.9	ug/Kg
108-87-2	Methylcyclohexane	42.0	U	14.6	42.0	83.9	ug/Kg
71-43-2	Benzene	42.0	U	12.1	42.0	83.9	ug/Kg
107-06-2	1,2-Dichloroethane	42.0	U	10.2	42.0	83.9	ug/Kg
79-01-6	Trichloroethene	42.0	U	12.6	42.0	83.9	ug/Kg
78-87-5	1,2-Dichloropropane	42.0	U	11.1	42.0	83.9	ug/Kg
75-27-4	Bromodichloromethane	42.0	U	9.40	42.0	83.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	210	U	73.0	210	420	ug/Kg
108-88-3	Toluene	42.0	U	11.2	42.0	83.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	42.0	U	10.1	42.0	83.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	42.0	U	9.60	42.0	83.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	42.0	U	14.1	42.0	83.9	ug/Kg
591-78-6	2-Hexanone	210	U	80.4	210	420	ug/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/19/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-880-882	SDG No.:	Q1401
Lab Sample ID:	Q1401-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	5.9
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021330.D	1		02/26/25 14:40	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	42.0	U	10.9	42.0	83.9	ug/Kg
127-18-4	Tetrachloroethene	42.0	U	14.9	42.0	83.9	ug/Kg
108-90-7	Chlorobenzene	42.0	U	12.4	42.0	83.9	ug/Kg
100-41-4	Ethyl Benzene	42.0	U	10.4	42.0	83.9	ug/Kg
179601-23-1	m/p-Xylenes	83.9	U	22.7	83.9	170	ug/Kg
95-47-6	o-Xylene	42.0	U	11.7	42.0	83.9	ug/Kg
100-42-5	Styrene	42.0	U	10.1	42.0	83.9	ug/Kg
75-25-2	Bromoform	42.0	U	13.6	42.0	83.9	ug/Kg
98-82-8	Isopropylbenzene	42.0	U	11.2	42.0	83.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	42.0	U	18.5	42.0	83.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	42.0	U	12.4	42.0	83.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	42.0	U	13.4	42.0	83.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	42.0	U	9.90	42.0	83.9	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.1		71 - 136		118%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.4		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		79 - 119		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	241000	7.707				
540-36-3	1,4-Difluorobenzene	471000	8.609				
3114-55-4	Chlorobenzene-d5	480000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	212000	13.346				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/19/25
Project:	CTO WE13	Date Received:	02/20/25
Client Sample ID:	BP-VPB-192-GW-880-882	SDG No.:	Q1401
Lab Sample ID:	Q1401-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	5.9
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021330.D	1		02/26/25 14:40	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021330.D
Acq On : 26 Feb 2025 14:40
Operator : SY/MD
Sample : Q1401-09
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-880-882

Quant Time: Feb 27 00:37:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

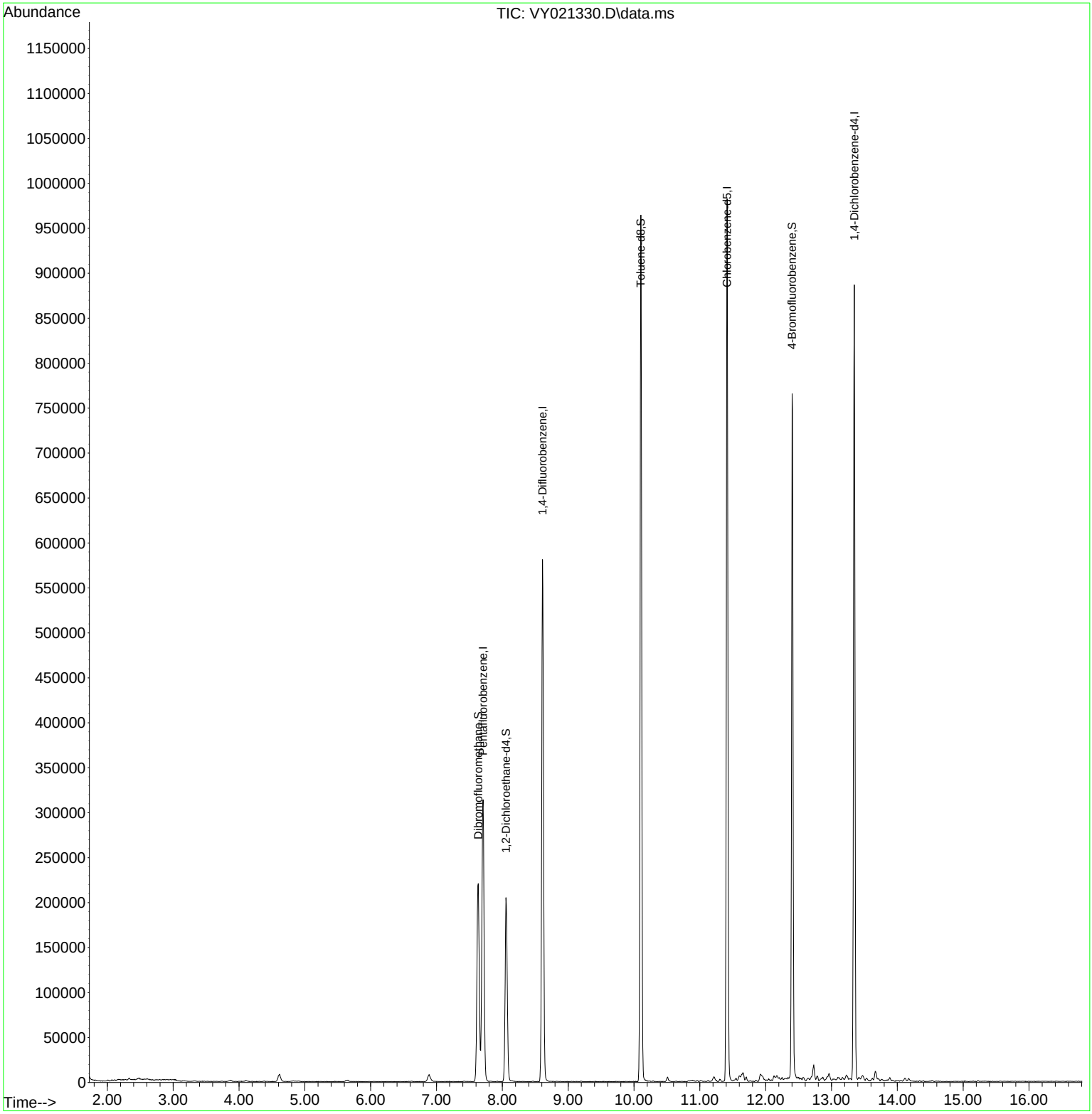
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	240939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	470542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	479899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	211748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	161582	59.117	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.240%			
35) Dibromofluoromethane	7.634	113	156697	50.795	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.580%			
50) Toluene-d8	10.103	98	588717	49.379	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.760%			
62) 4-Bromofluorobenzene	12.401	95	223879	55.797	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.600%			
Target Compounds						Qvalue

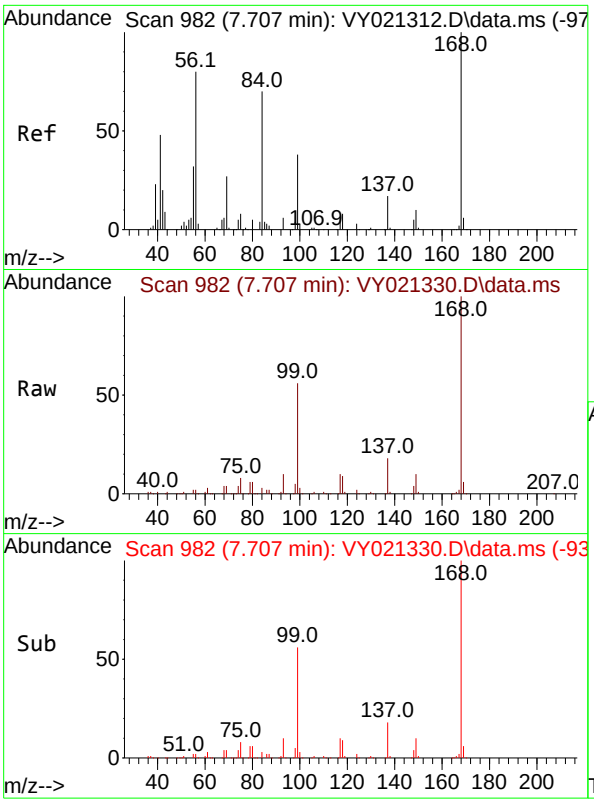
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021330.D
Acq On : 26 Feb 2025 14:40
Operator : SY/MD
Sample : Q1401-09
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-880-882

Quant Time: Feb 27 00:37:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



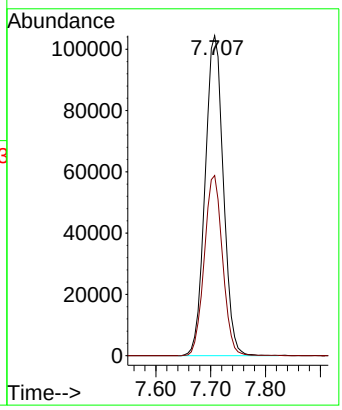


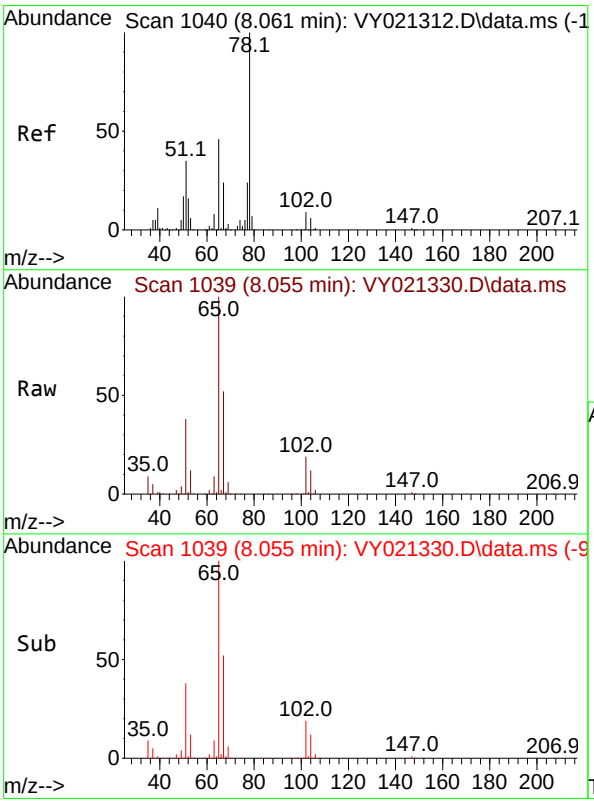
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-880-882

Tgt Ion:168 Resp: 240939

Ion	Ratio	Lower	Upper
168	100		
99	56.3	47.1	70.7

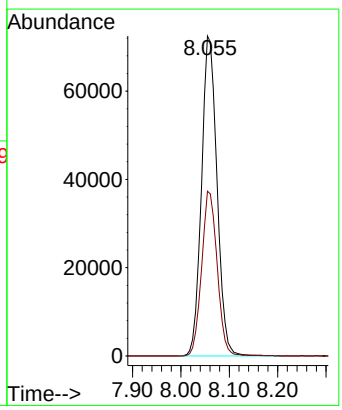


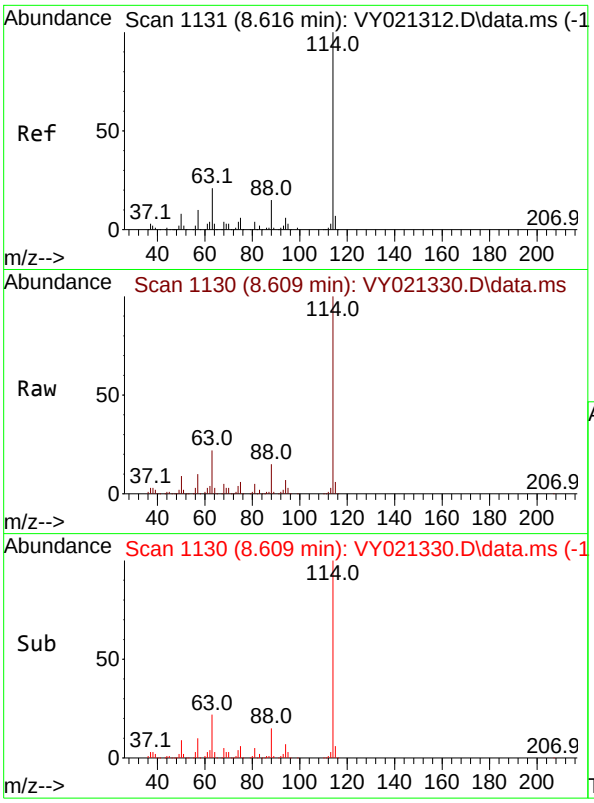


#33
1,2-Dichloroethane-d4
Concen: 59.117 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

Tgt Ion: 65 Resp: 161582

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6



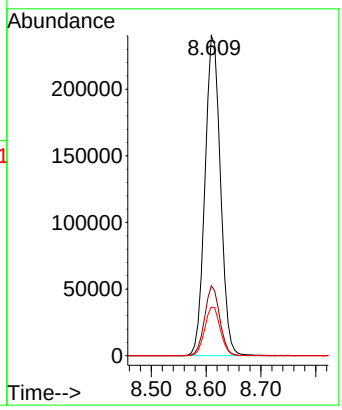


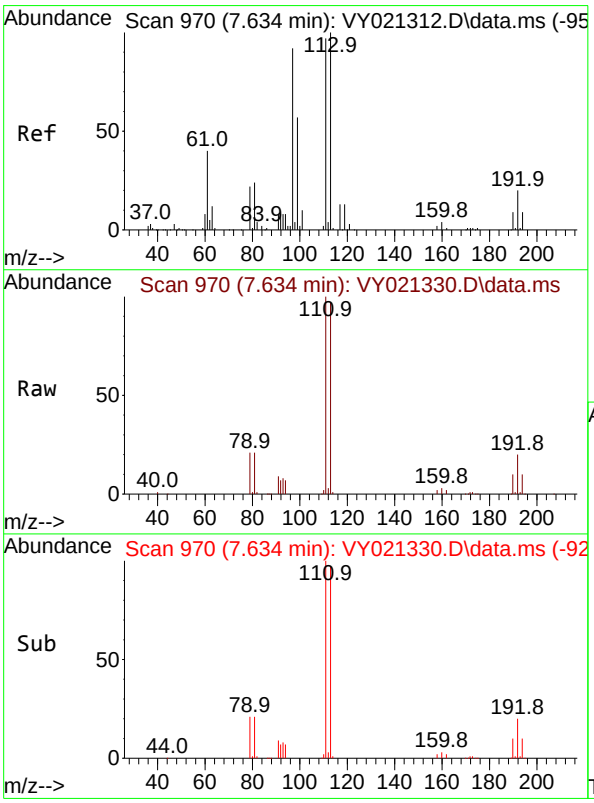
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-880-882

Tgt Ion:114 Resp: 470542

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.2
88	15.2	0.0	29.8

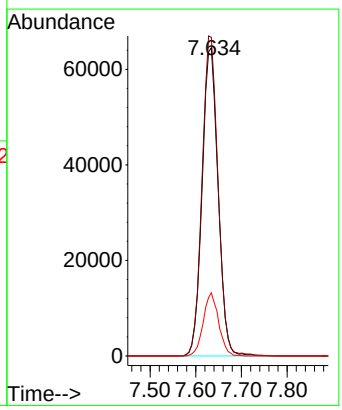


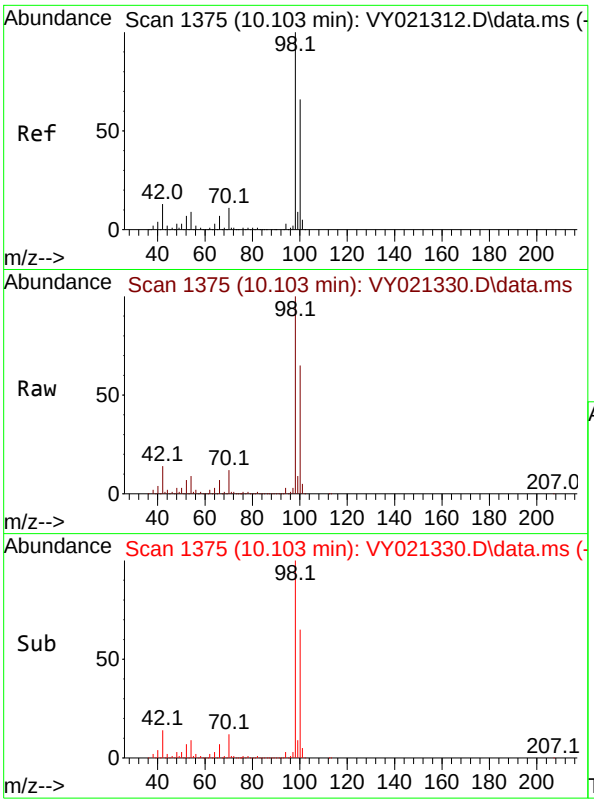


#35
Dibromofluoromethane
Concen: 50.795 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

Tgt Ion:113 Resp: 156697

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.0	121.6
192	19.7	15.8	23.8



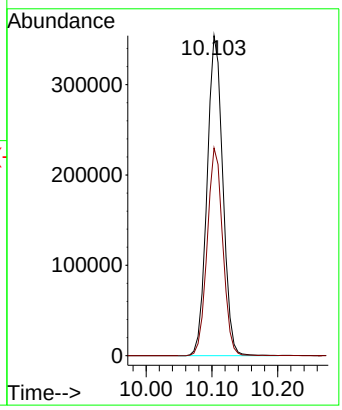


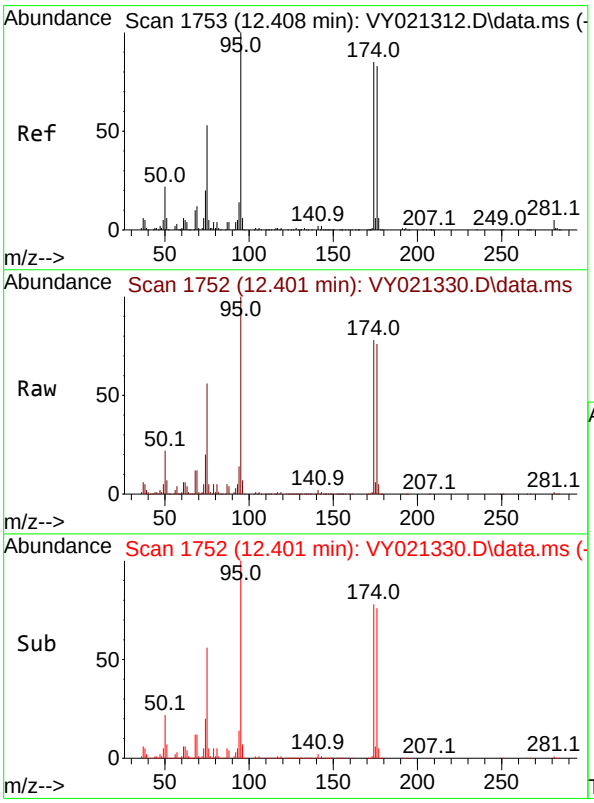
#50
Toluene-d8
Concen: 49.379 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-880-882

Tgt Ion: 98 Resp: 588717

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.4	78.6

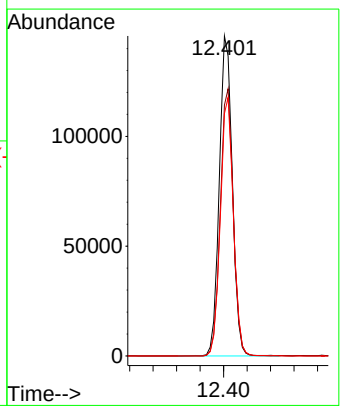


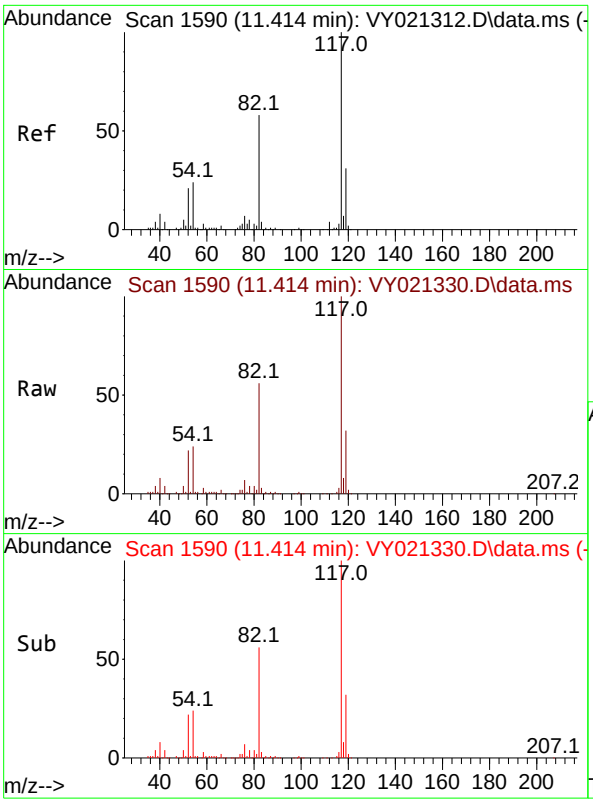


#62
4-Bromofluorobenzene
Concen: 55.797 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

Tgt Ion: 95 Resp: 223879

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	168.0
176	80.5	0.0	162.6



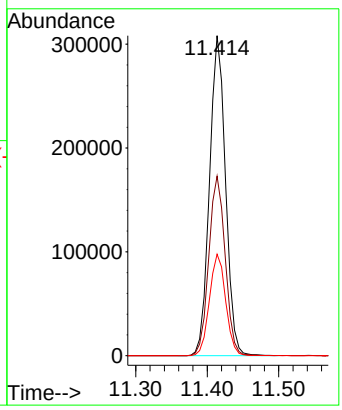


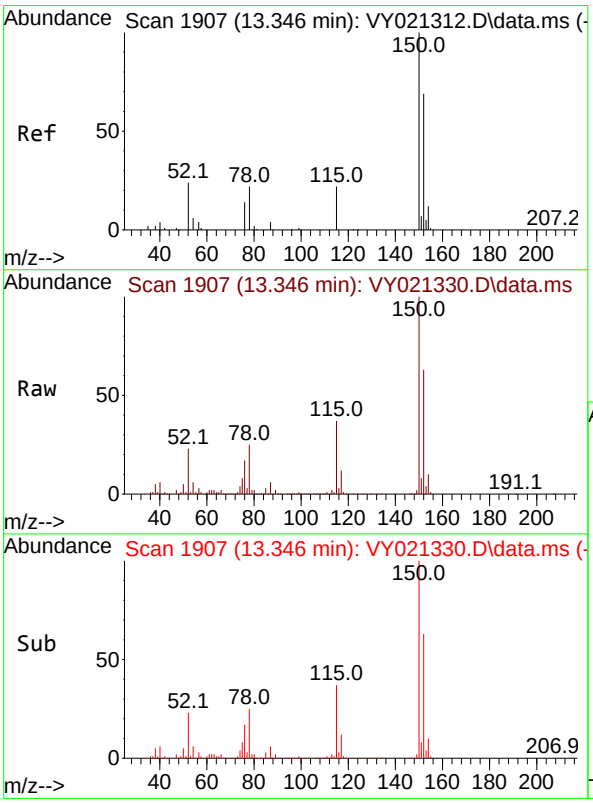
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-880-882

Tgt Ion:117 Resp: 479899

Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.2	69.4
119	31.7	24.9	37.3

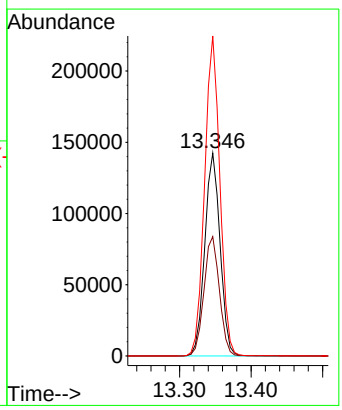




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

Tgt Ion:152 Resp: 211748

Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.3	88.0
150	156.8	0.0	347.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021330.D
Acq On : 26 Feb 2025 14:40
Operator : SY/MD
Sample : Q1401-09
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-880-882

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Title : SW846 8260

Signal : TIC: VY021330.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	463	475	488	rBV3	8270	24473	1.53%	0.283%
2	6.890	837	848	858	rBV	7786	24388	1.52%	0.282%
3	7.634	960	970	976	rBV	220380	541852	33.84%	6.264%
4	7.707	976	982	995	rVB	313328	713930	44.59%	8.253%
5	8.055	1030	1039	1051	rBV	204540	454582	28.39%	5.255%
6	8.609	1121	1130	1144	rBV	580654	1126942	70.39%	13.027%
7	10.103	1367	1375	1386	rBV	964082	1601034	100.00%	18.507%
8	11.414	1581	1590	1603	rBV	981406	1543477	96.41%	17.842%
9	11.920	1667	1673	1685	rBV7	8183	28976	1.81%	0.335%
10	12.401	1744	1752	1764	rBV	761314	1204856	75.25%	13.928%
11	12.731	1796	1806	1811	rBV4	16065	33545	2.10%	0.388%
12	13.346	1900	1907	1915	rBV	884188	1334054	83.32%	15.421%
13	13.663	1955	1959	1966	rBV5	9402	18685	1.17%	0.216%

Sum of corrected areas: 8650794

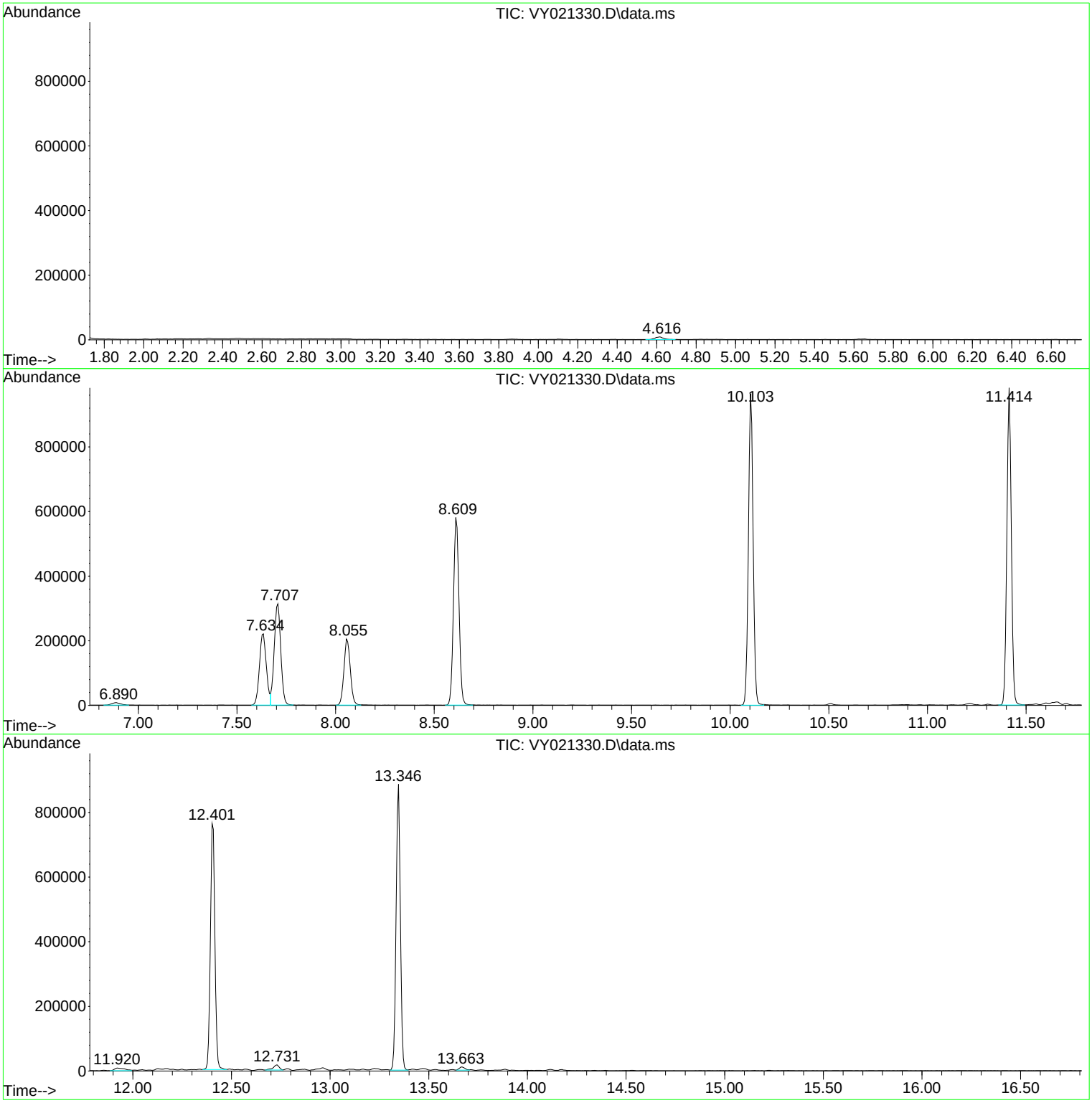
Sample Results: **VY021330.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021330.D
Acq On : 26 Feb 2025 14:40
Operator : SY/MD
Sample : Q1401-09
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-880-882

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021330.D
Acq On : 26 Feb 2025 14:40
Operator : SY/MD
Sample : Q1401-09
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-880-882

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021330.D
Acq On : 26 Feb 2025 14:40
Operator : SY/MD
Sample : Q1401-09
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-880-882

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28

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

LAB FILE ID: RRF001 = VX044868.D RRF005 = VX044869.D RRF020 = VX044870.D
RRF050 = VX044871.D RRF100 = VX044872.D RRF150 = VX044873.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.9
Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.3
Bromomethane		0.248	0.252	0.249	0.242	0.246	0.247	1.4
Chloroethane	0.500	0.288	0.280	0.341	0.249	0.181	0.307	35.4
Trichlorofluoromethane	1.062	1.066	1.096	1.029	1.013	1.008	1.046	3.3
1,1,2-Trichlorotrifluoroethane	0.583	0.647	0.668	0.626	0.631	0.637	0.632	4.5
1,1-Dichloroethene	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2
Acetone	0.305	0.292	0.298	0.293	0.285	0.292	0.294	2.3
Carbon Disulfide	1.689	1.732	1.786	1.762	1.789	1.846	1.767	3
Methyl tert-butyl Ether	1.941	2.065	2.130	2.046	2.011	2.110	2.050	3.4
Methylene Chloride	0.747	0.717	0.741	0.704	0.695	0.720	0.721	2.8
trans-1,2-Dichloroethene	0.608	0.622	0.657	0.640	0.633	0.644	0.634	2.7
1,1-Dichloroethane	1.155	1.257	1.292	1.227	1.209	1.257	1.233	3.9
2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.4
Carbon Tetrachloride	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.4
cis-1,2-Dichloroethene	0.680	0.783	0.812	0.758	0.758	0.779	0.762	5.9
Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.5
1,1,1-Trichloroethane	1.014	1.003	1.051	1.005	0.984	1.028	1.014	2.3
Methylcyclohexane	0.509	0.571	0.667	0.622	0.634	0.635	0.606	9.4
Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.7
1,2-Dichloroethane	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.1
Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.2
1,2-Dichloropropane	0.343	0.354	0.389	0.367	0.360	0.372	0.364	4.3
Bromodichloromethane	0.428	0.481	0.514	0.500	0.500	0.513	0.489	6.6
4-Methyl-2-Pentanone	0.439	0.514	0.562	0.554	0.506	0.498	0.512	8.6
Toluene	0.776	0.872	0.957	0.898	0.866	0.864	0.872	6.7
t-1,3-Dichloropropene	0.417	0.451	0.518	0.514	0.528	0.543	0.495	10
cis-1,3-Dichloropropene	0.452	0.511	0.587	0.577	0.587	0.599	0.552	10.5
1,1,2-Trichloroethane	0.307	0.342	0.362	0.341	0.331	0.329	0.335	5.4
2-Hexanone	0.313	0.360	0.406	0.404	0.369	0.362	0.369	9.3

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28

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

LAB FILE ID: RRF001 = VX044868.D RRF005 = VX044869.D RRF020 = VX044870.D
RRF050 = VX044871.D RRF100 = VX044872.D RRF150 = VX044873.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.317	0.342	0.381	0.373	0.368	0.370	0.359	6.7
Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.4
Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.3
Ethyl Benzene	1.690	1.873	2.021	1.935	1.923	1.929	1.895	5.9
m/p-Xylenes	0.616	0.700	0.754	0.724	0.706	0.694	0.699	6.6
o-Xylene	0.661	0.721	0.747	0.707	0.691	0.681	0.701	4.4
Styrene	0.909	1.124	1.249	1.199	1.161	1.139	1.130	10.4
Bromoform	0.186	0.247	0.272	0.280	0.276	0.287	0.258	14.7
Isopropylbenzene	3.735	4.012	4.347	4.045	3.940	4.076	4.026	4.9
1,1,2,2-Tetrachloroethane	1.429	1.403	1.438	1.366	1.305	1.360	1.383	3.6
1,3-Dichlorobenzene	1.616	1.669	1.741	1.679	1.663	1.703	1.678	2.5
1,4-Dichlorobenzene	1.662	1.712	1.762	1.686	1.660	1.701	1.697	2.2
1,2-Dichlorobenzene	1.512	1.713	1.763	1.666	1.604	1.639	1.650	5.3
1,2-Dichloroethane-d4		0.764	0.718	0.723	0.707	0.747	0.732	3.2
Dibromofluoromethane		0.335	0.322	0.320	0.320	0.328	0.325	2
Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.5
4-Bromofluorobenzene		0.404	0.410	0.431	0.415	0.412	0.414	2.5

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025
Response Via : Initial Calibration

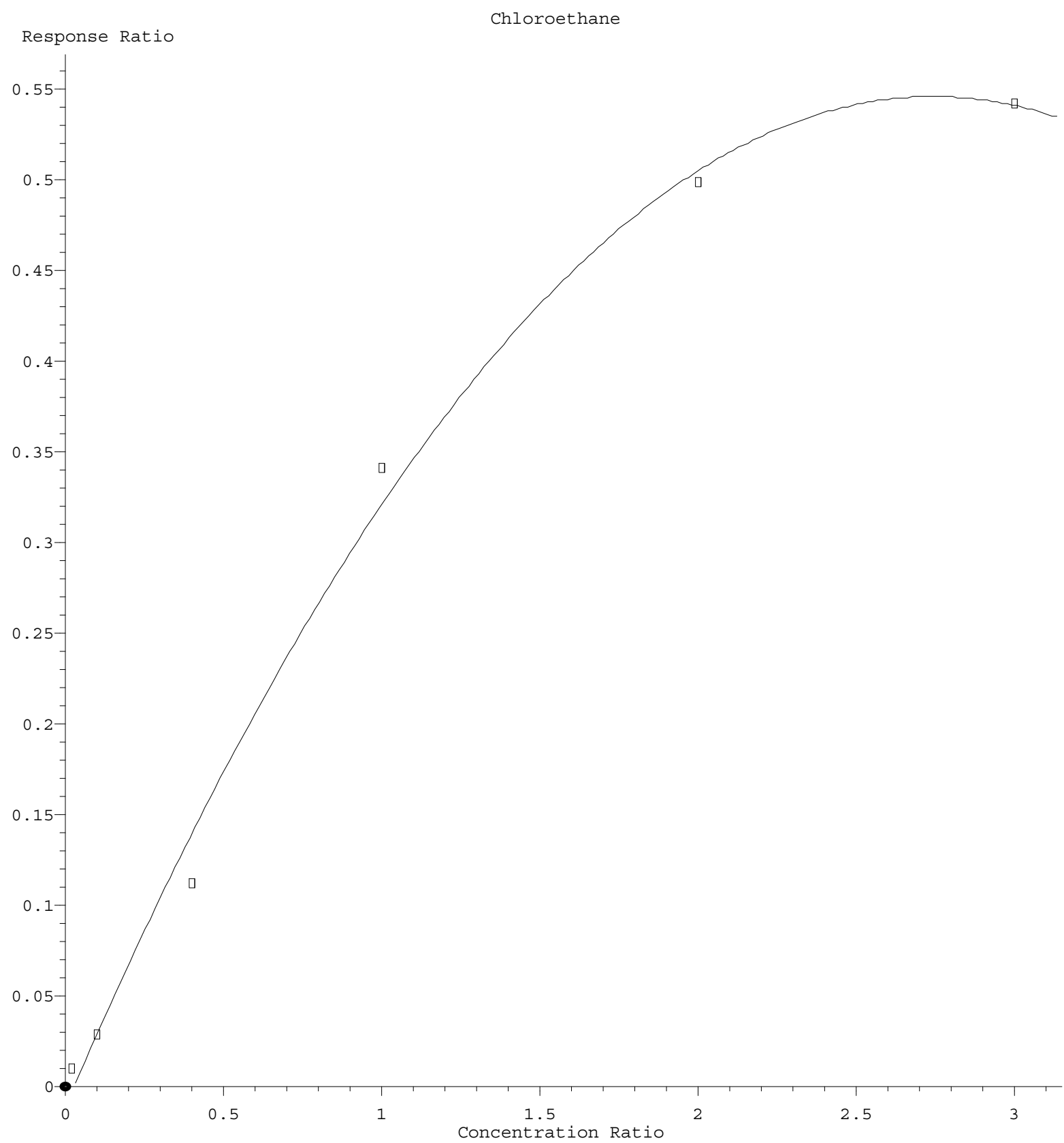
Calibration Files
1 =VX044868.D 5 =VX044869.D 20 =VX044870.D 50 =VX044871.D 100 =VX044872.D 150 =VX044873.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.723	0.669	0.716	0.700	0.706	0.693	0.701	2.71
3)	P	Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.89
4)	C	Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.33#
5)	T	Bromomethane		0.248	0.252	0.249	0.242	0.246	0.247	1.44
6)	T	Chloroethane	0.500	0.288	0.280	0.341	0.249	0.181	0.307	35.36
7)	T	Trichlorofluor...	1.062	1.066	1.096	1.029	1.013	1.008	1.046	3.32
8)	T	Diethyl Ether	0.385	0.372	0.399	0.375	0.370	0.374	0.379	2.94
9)	T	1,1,2-Trichlor...	0.583	0.647	0.668	0.626	0.631	0.637	0.632	4.45
10)	T	Methyl Iodide		0.752	0.864	0.847	0.819	0.813	0.819	5.22
11)	T	Tert butyl alc...		0.148	0.138	0.136	0.128	0.129	0.136	5.92
12)	CM	1,1-Dichloroet...	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2.04#
13)	T	Acrolein		0.143	0.131	0.141	0.139	0.145	0.140	3.99
14)	T	Allyl chloride	1.179	1.150	1.187	1.157	1.149	1.167	1.165	1.36
15)	T	Acrylonitrile	0.337	0.354	0.380	0.379	0.360	0.364	0.363	4.41
16)	T	Acetone	0.305	0.292	0.298	0.293	0.285	0.292	0.294	2.26
17)	T	Carbon Disulfide	1.689	1.732	1.786	1.762	1.789	1.846	1.767	3.04
18)	T	Methyl Acetate	0.882	0.901	0.926	0.946	0.922	0.995	0.928	4.22
19)	T	Methyl tert-bu...	1.941	2.065	2.130	2.046	2.011	2.110	2.050	3.36
20)	T	Methylene Chlo...	0.747	0.717	0.741	0.704	0.695	0.720	0.721	2.82
21)	T	trans-1,2-Dich...	0.608	0.622	0.657	0.640	0.633	0.644	0.634	2.74
22)	T	Diisopropyl ether	2.049	2.187	2.322	2.245	2.185	2.233	2.203	4.12
23)	T	Vinyl Acetate	1.540	1.750	1.892	1.860	1.843	1.892	1.796	7.56
24)	P	1,1-Dichloroet...	1.155	1.257	1.292	1.227	1.209	1.257	1.233	3.86
25)	T	2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.40
26)	T	2,2-Dichloropr...	0.957	0.982	1.000	0.952	0.959	1.017	0.978	2.71
27)	T	cis-1,2-Dichlo...	0.680	0.783	0.812	0.758	0.758	0.779	0.762	5.87
28)	T	Bromochloromet...	0.634	0.579	0.607	0.584	0.572	0.579	0.593	4.04
29)	T	Tetrahydrofuran	0.299	0.310	0.335	0.329	0.313	0.317	0.317	4.13
30)	C	Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.53#
31)	T	Cyclohexane		1.154	1.174	1.121	1.107	1.127	1.137	2.35
32)	T	1,1,1-Trichlor...	1.014	1.003	1.051	1.005	0.984	1.028	1.014	2.26
33)	S	1,2-Dichloroet...		0.764	0.718	0.723	0.707	0.747	0.732	3.17
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.335	0.322	0.320	0.320	0.328	0.325	1.98
36)	T	1,1-Dichloropr...	0.472	0.467	0.490	0.463	0.457	0.465	0.469	2.47
37)	T	Ethyl Acetate	0.477	0.534	0.546	0.527	0.516	0.528	0.522	4.57
38)	T	Carbon Tetrach...	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.44
39)	T	Methylcyclohexane	0.509	0.571	0.667	0.622	0.634	0.635	0.606	9.36
40)	TM	Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.69
41)	T	Methacrylonitrile	0.237	0.262	0.292	0.302	0.287	0.295	0.279	8.84
42)	TM	1,2-Dichloroet...	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.08
43)	T	Isopropyl Acetate	0.755	0.782	0.899	0.876	0.858	0.885	0.842	7.05
44)	TM	Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.20
45)	C	1,2-Dichloropr...	0.343	0.354	0.389	0.367	0.360	0.372	0.364	4.32#
46)	T	Dibromomethane	0.236	0.245	0.270	0.255	0.252	0.258	0.253	4.48
47)	T	Bromodichlorom...	0.428	0.481	0.514	0.500	0.500	0.513	0.489	6.60
48)	T	Methyl methacr...	0.330	0.367	0.424	0.421	0.414	0.427	0.397	10.05
49)	T	1,4-Dioxane	0.009	0.009	0.009	0.009	0.008	0.008	0.009	6.54
50)	S	Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.49
51)	T	4-Methyl-2-Pen...	0.439	0.514	0.562	0.554	0.506	0.498	0.512	8.61
52)	CM	Toluene	0.776	0.872	0.957	0.898	0.866	0.864	0.872	6.74#
53)	T	t-1,3-Dichloro...	0.417	0.451	0.518	0.514	0.528	0.543	0.495	10.04
54)	T	cis-1,3-Dichlo...	0.452	0.511	0.587	0.577	0.587	0.599	0.552	10.49
55)	T	1,1,2-Trichlor...	0.307	0.342	0.362	0.341	0.331	0.329	0.335	5.44
56)	T	Ethyl methacry...	0.462	0.488	0.583	0.577	0.568	0.571	0.542	9.74

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X021025W.M

57)	T	1,3-Dichloropr...	0.531	0.586	0.641	0.605	0.579	0.578	0.587	6.13
58)	T	2-Chloroethyl ...	0.213	0.249	0.284	0.288	0.281	0.281	0.266	11.18
59)	T	2-Hexanone	0.313	0.360	0.406	0.404	0.369	0.362	0.369	9.31
60)	T	Dibromochlorom...	0.317	0.342	0.381	0.373	0.368	0.370	0.359	6.71
61)	T	1,2-Dibromoethane	0.302	0.330	0.367	0.350	0.345	0.345	0.340	6.55
62)	S	4-Bromofluorob...		0.404	0.410	0.431	0.415	0.412	0.414	2.47
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.43
65)	PM	Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.32
66)	T	1,1,1,2-Tetrac...	0.302	0.338	0.365	0.354	0.355	0.360	0.346	6.76
67)	C	Ethyl Benzene	1.690	1.873	2.021	1.935	1.923	1.929	1.895	5.87#
68)	T	m/p-Xylenes	0.616	0.700	0.754	0.724	0.706	0.694	0.699	6.58
69)	T	o-Xylene	0.661	0.721	0.747	0.707	0.691	0.681	0.701	4.36
70)	T	Styrene	0.909	1.124	1.249	1.199	1.161	1.139	1.130	10.38
71)	P	Bromoform	0.186	0.247	0.272	0.280	0.276	0.287	0.258	14.69
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.735	4.012	4.347	4.045	3.940	4.076	4.026	4.95
74)	T	N-amyl acetate	1.431	1.744	1.915	1.902	1.889	2.051	1.822	11.80
75)	P	1,1,2,2-Tetrac...	1.429	1.403	1.438	1.366	1.305	1.360	1.383	3.61
76)	T	1,2,3-Trichlor...	1.046	1.153	1.141	1.106	1.085	1.120	1.109	3.53
77)	T	Bromobenzene	0.847	0.920	0.978	0.911	0.897	0.923	0.913	4.65
78)	T	n-propylbenzene	4.049	4.600	4.974	4.723	4.699	4.837	4.647	6.88
79)	T	2-Chlorotoluene	2.859	2.860	3.034	2.842	2.720	2.820	2.856	3.56
80)	T	1,3,5-Trimethy...	2.981	3.326	3.543	3.319	3.201	3.233	3.267	5.64
81)	T	trans-1,4-Dich...		0.346	0.417	0.437	0.457	0.498	0.431	13.01
82)	T	4-Chlorotoluene	2.958	3.156	3.320	3.193	3.116	3.214	3.160	3.81
83)	T	tert-Butylbenzene	3.097	3.350	3.539	3.312	3.236	3.296	3.305	4.38
84)	T	1,2,4-Trimethy...	2.687	3.252	3.535	3.359	3.220	3.295	3.225	8.87
85)	T	sec-Butylbenzene	3.692	4.025	4.421	4.146	4.102	4.169	4.093	5.80
86)	T	p-Isopropyltol...	2.844	3.229	3.546	3.402	3.325	3.401	3.291	7.37
87)	T	1,3-Dichlorobe...	1.616	1.669	1.741	1.679	1.663	1.703	1.678	2.49
88)	T	1,4-Dichlorobe...	1.662	1.712	1.762	1.686	1.660	1.701	1.697	2.22
89)	T	n-Butylbenzene	2.138	2.696	3.087	3.105	3.194	3.251	2.912	14.63
90)	T	Hexachloroethane	0.533	0.589	0.629	0.615	0.643	0.689	0.616	8.53
91)	T	1,2-Dichlorobe...	1.512	1.713	1.763	1.666	1.604	1.639	1.650	5.30
92)	T	1,2-Dibromo-3-...	0.202	0.236	0.268	0.258	0.261	0.289	0.252	11.87
93)	T	1,2,4-Trichlor...	0.860	0.934	1.013	1.013	1.057	1.112	0.998	8.98
94)	T	Hexachlorobuta...	0.383	0.376	0.416	0.383	0.408	0.411	0.396	4.36
95)	T	Naphthalene	2.824	3.432	3.879	3.752	3.771	3.991	3.608	11.84
96)	T	1,2,3-Trichlor...	0.858	0.952	1.042	1.031	1.043	1.109	1.006	8.75

(#) = Out of Range



R = -7.391e-002 A*A + 4.057e-001 A - 1.083e-002
Coef of Det (r^2) = 0.995138 Curve Fit: Quadratic
Method Name: Z:\corpsrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Calibration Table Last Updated: Tue Feb 11 03:41:08 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	134134	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	254149	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	218570	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90733	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	1939m	1.031	ug/l		
3) Chloromethane	1.307	50	2571	1.123	ug/l		94
4) Vinyl Chloride	1.374	62	2252	1.015	ug/l		96
6) Chloroethane	1.666	64	1341	2.592	ug/l		91
7) Trichlorofluoromethane	1.874	101	2849	1.016	ug/l		88
8) Diethyl Ether	2.130	74	1032	1.014	ug/l	#	37
9) 1,1,2-Trichlorotrifluo...	2.325	101	1564	0.923	ug/l	#	88
12) 1,1-Dichloroethene	2.307	96	1737	1.005	ug/l		85
14) Allyl chloride	2.654	41	3164	1.013	ug/l		90
15) Acrylonitrile	3.069	53	4527	4.655	ug/l		95
16) Acetone	2.380	43	4095	5.188	ug/l		92
17) Carbon Disulfide	2.502	76	4531	0.956	ug/l	#	88
18) Methyl Acetate	2.697	43	2367	0.950	ug/l		95
19) Methyl tert-butyl Ether	3.117	73	5206	0.946	ug/l	#	87
20) Methylene Chloride	2.782	84	2005	1.037	ug/l	#	90
21) trans-1,2-Dichloroethene	3.087	96	1631	0.959	ug/l		96
22) Diisopropyl ether	3.764	45	5496	0.930	ug/l	#	75
23) Vinyl Acetate	3.727	43	20663	4.288	ug/l		99
24) 1,1-Dichloroethane	3.605	63	3099	0.937	ug/l	#	93
25) 2-Butanone	4.587	43	5660	4.416	ug/l		93
26) 2,2-Dichloropropane	4.471	77	2566	0.978	ug/l		76
27) cis-1,2-Dichloroethene	4.489	96	1825	0.893	ug/l		91
28) Bromochloromethane	4.910	49	1702	1.071	ug/l	#	75
29) Tetrahydrofuran	5.026	42	4014	4.716	ug/l		99
30) Chloroform	5.093	83	3132	0.976	ug/l		94
32) 1,1,1-Trichloroethane	5.379	97	2721	1.000	ug/l	#	50
36) 1,1-Dichloropropene	5.684	75	2399	1.006	ug/l		94
37) Ethyl Acetate	4.721	43	2426m	0.915	ug/l		
38) Carbon Tetrachloride	5.666	117	2322	0.994	ug/l	#	74
39) Methylcyclohexane	7.379	83	2589	0.840	ug/l		96
40) Benzene	6.038	78	6963	0.935	ug/l		94
41) Methacrylonitrile	4.958	41	1205m	0.849	ug/l		
42) 1,2-Dichloroethane	6.099	62	2120	0.894	ug/l		84
43) Isopropyl Acetate	6.355	43	3839	0.897	ug/l	#	88
44) Trichloroethene	7.135	130	1487	0.874	ug/l		76
45) 1,2-Dichloropropane	7.440	63	1746	0.943	ug/l	#	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	1202	0.936	ug/l		95
47) Bromodichloromethane	7.818	83	2176	0.875	ug/l		93
48) Methyl methacrylate	7.720	41	1675	0.830	ug/l		92
49) 1,4-Dioxane	7.696	88	867	20.015	ug/l	#	85
51) 4-Methyl-2-Pentanone	8.574	43	11169	4.290	ug/l		96
52) Toluene	8.714	92	3943	0.889	ug/l		100
53) t-1,3-Dichloropropene	8.994	75	2119	0.842	ug/l		90
54) cis-1,3-Dichloropropene	8.366	75	2300	0.820	ug/l	#	86
55) 1,1,2-Trichloroethane	9.153	97	1558	0.914	ug/l	#	86
56) Ethyl methacrylate	9.128	69	2346	0.852	ug/l	#	84
57) 1,3-Dichloropropane	9.311	76	2699	0.905	ug/l		95
58) 2-Chloroethyl Vinyl ether	8.251	63	5401	3.996	ug/l		97
59) 2-Hexanone	9.439	43	7952	4.240	ug/l		95
60) Dibromochloromethane	9.525	129	1613	0.885	ug/l		96
61) 1,2-Dibromoethane	9.610	107	1534	0.888	ug/l		97
64) Tetrachloroethene	9.275	164	1339	0.971	ug/l		91
65) Chlorobenzene	10.080	112	4234	0.902	ug/l		93
66) 1,1,1,2-Tetrachloroethane	10.165	131	1320	0.874	ug/l	#	64
67) Ethyl Benzene	10.195	91	7388	0.892	ug/l		98
68) m/p-Xylenes	10.299	106	5387	1.763	ug/l		100
69) o-Xylene	10.640	106	2889	0.942	ug/l		97
70) Styrene	10.659	104	3974	0.804	ug/l		97
71) Bromoform	10.799	173	813	0.721	ug/l	#	95
73) Isopropylbenzene	10.964	105	6778	0.928	ug/l		99
74) N-amyl acetate	10.848	43	2596	0.785	ug/l		95
75) 1,1,2,2-Tetrachloroethane	11.207	83	2594	1.033	ug/l		94
76) 1,2,3-Trichloropropane	11.238	75	1898m	0.943	ug/l		
77) Bromobenzene	11.201	156	1537	0.928	ug/l		90
78) n-propylbenzene	11.305	91	7347	0.871	ug/l		98
79) 2-Chlorotoluene	11.366	91	5188	1.001	ug/l		96
80) 1,3,5-Trimethylbenzene	11.451	105	5410	0.913	ug/l		98
82) 4-Chlorotoluene	11.457	91	5367	0.936	ug/l		99
83) tert-Butylbenzene	11.713	119	5620	0.937	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	4876	0.833	ug/l		88
85) sec-Butylbenzene	11.890	105	6700	0.902	ug/l		99
86) p-Isopropyltoluene	12.006	119	5161	0.864	ug/l		90
87) 1,3-Dichlorobenzene	11.969	146	2933	0.963	ug/l		97
88) 1,4-Dichlorobenzene	12.043	146	3016m	0.979	ug/l		
89) n-Butylbenzene	12.335	91	3880	0.734	ug/l		93
90) Hexachloroethane	12.536	117	968	0.866	ug/l		98
91) 1,2-Dichlorobenzene	12.341	146	2744	0.917	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	367	0.801	ug/l		95
93) 1,2,4-Trichlorobenzene	13.591	180	1560	0.861	ug/l		86
94) Hexachlorobutadiene	13.725	225	695	0.966	ug/l		99
95) Naphthalene	13.780	128	5125	0.783	ug/l		99
96) 1,2,3-Trichlorobenzene	13.969	180	1557	0.853	ug/l		93

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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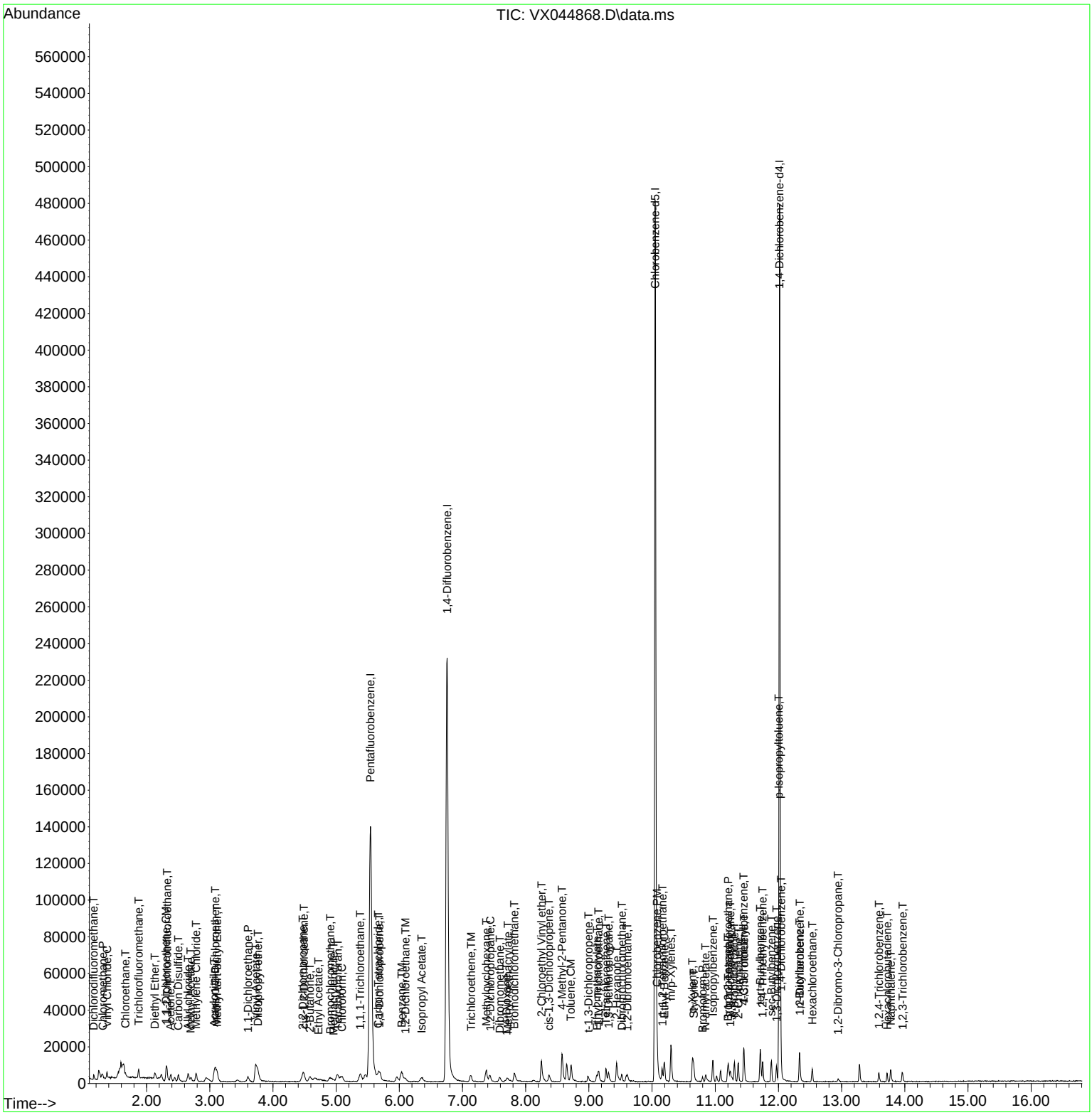
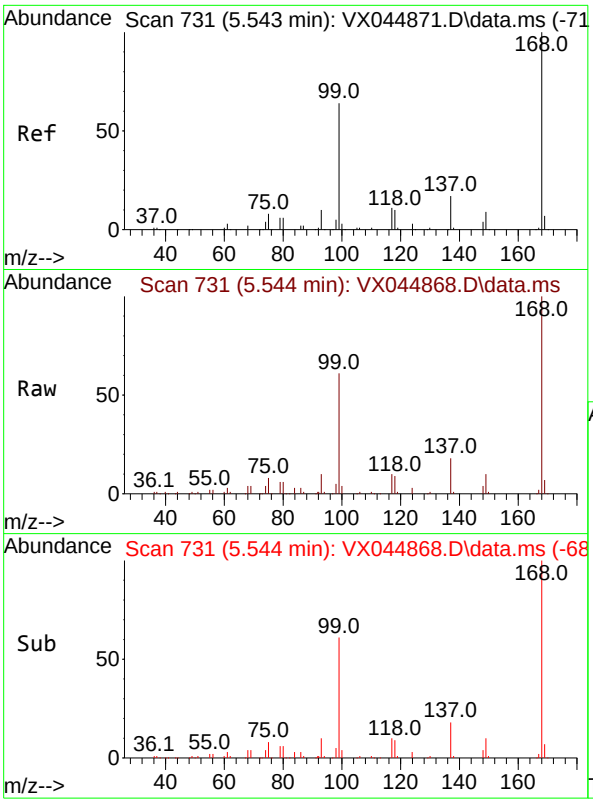
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

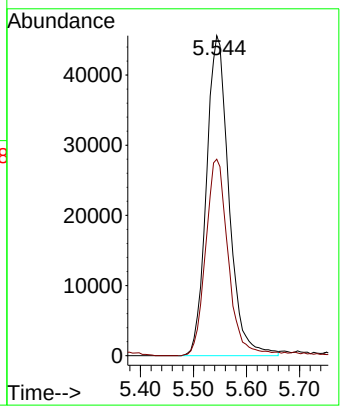




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:168 Resp: 13413

Ion	Ratio	Lower	Upper
168	100		
99	61.4	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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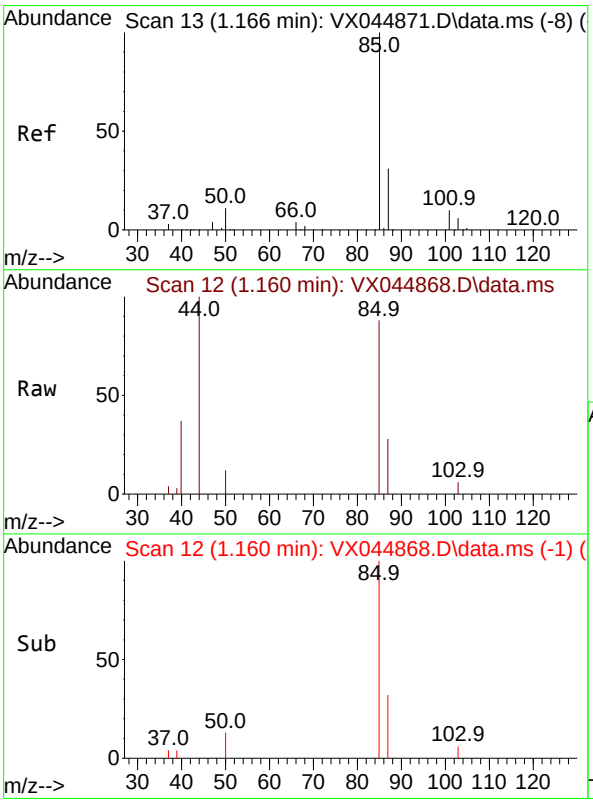
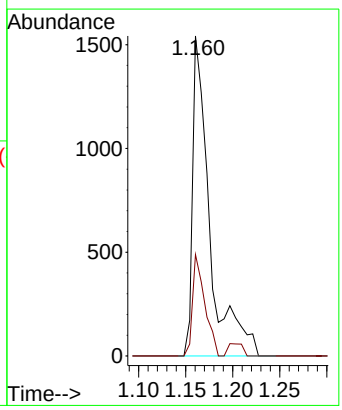
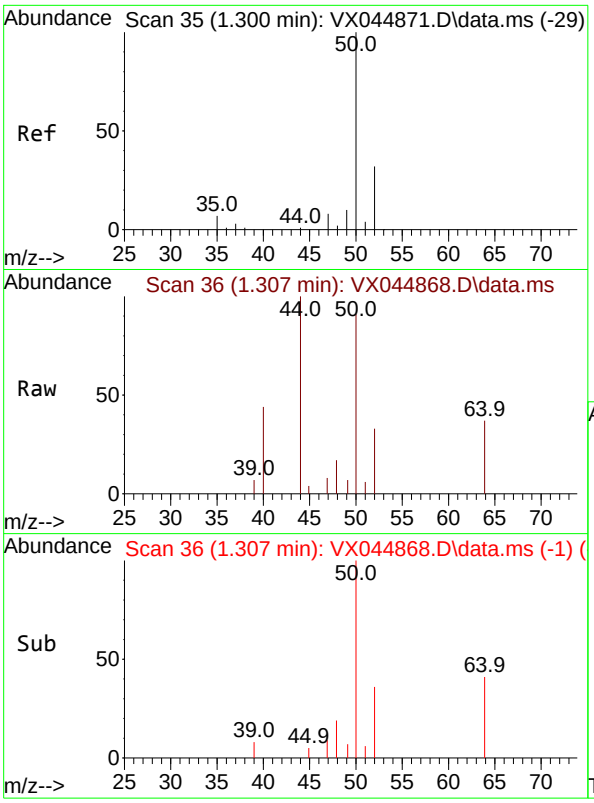


#2
Dichlorodifluoromethane
Concen: 1.031 ug/l m
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 85 Resp: 1939

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.8	47.3

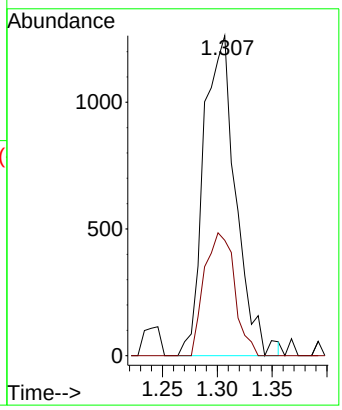




#3
Chloromethane
Concen: 1.123 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 50 Resp: 257

Ion	Ratio	Lower	Upper
50	100		
52	36.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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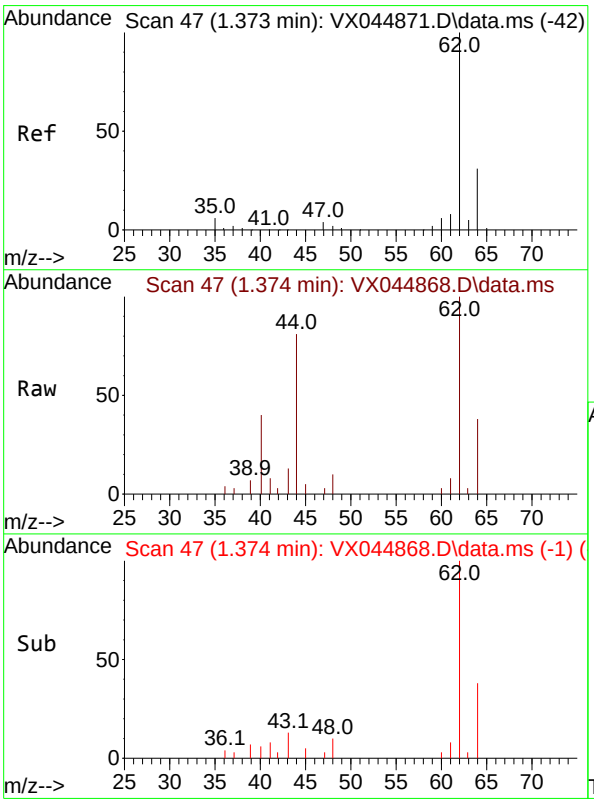
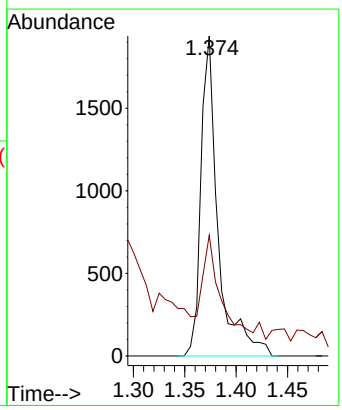
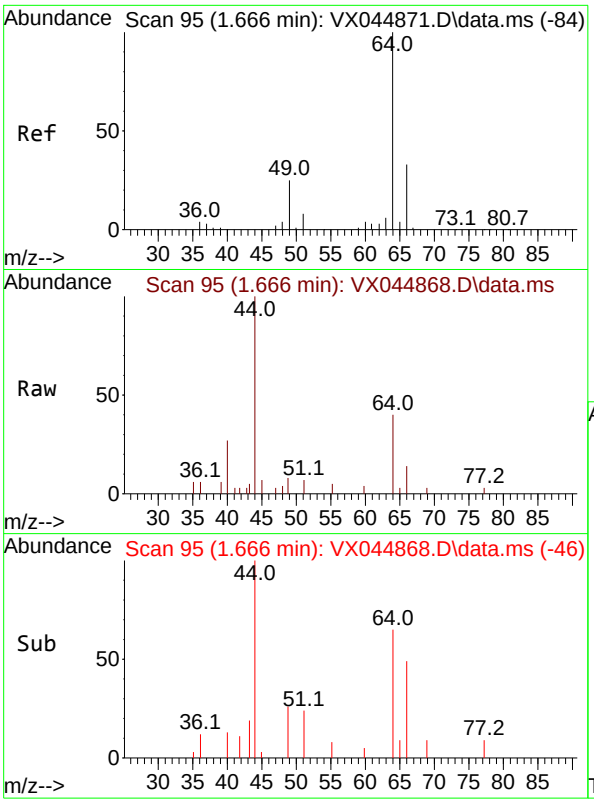


#4
Vinyl Chloride
Concen: 1.015 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 62 Resp: 2252

Ion	Ratio	Lower	Upper
62	100		
64	29.4	25.4	38.0

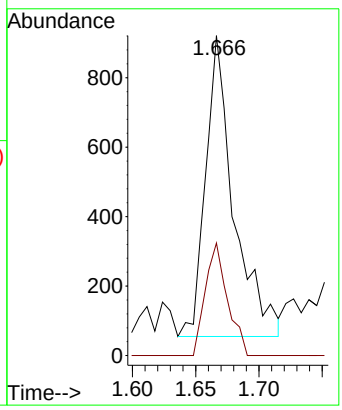




#6
Chloroethane
Concen: 2.592 ug/l
RT: 1.666 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 64 Resp: 134

Ion	Ratio	Lower	Upper
64	100		
66	37.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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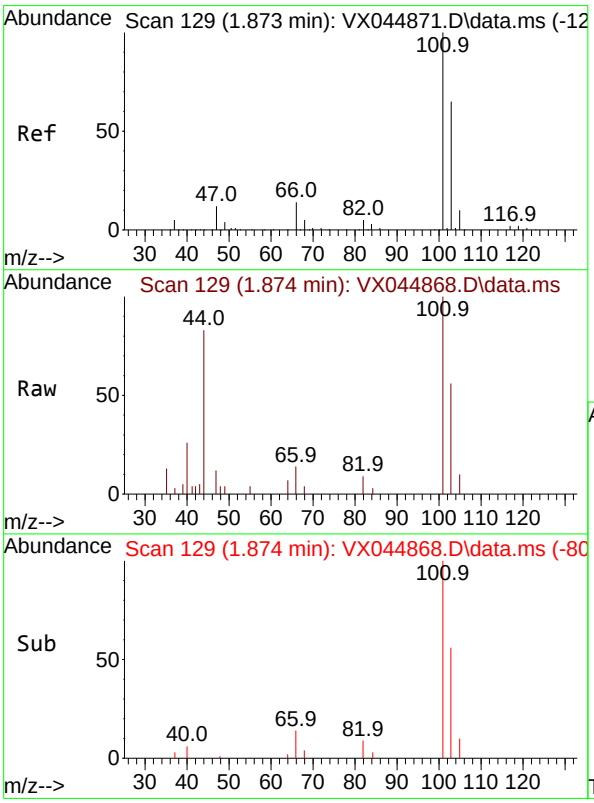
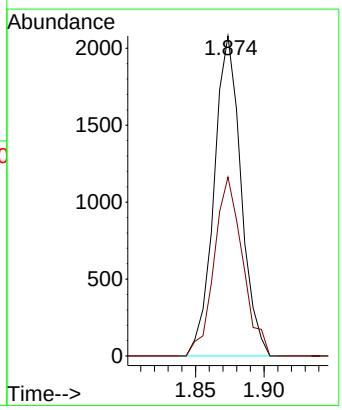
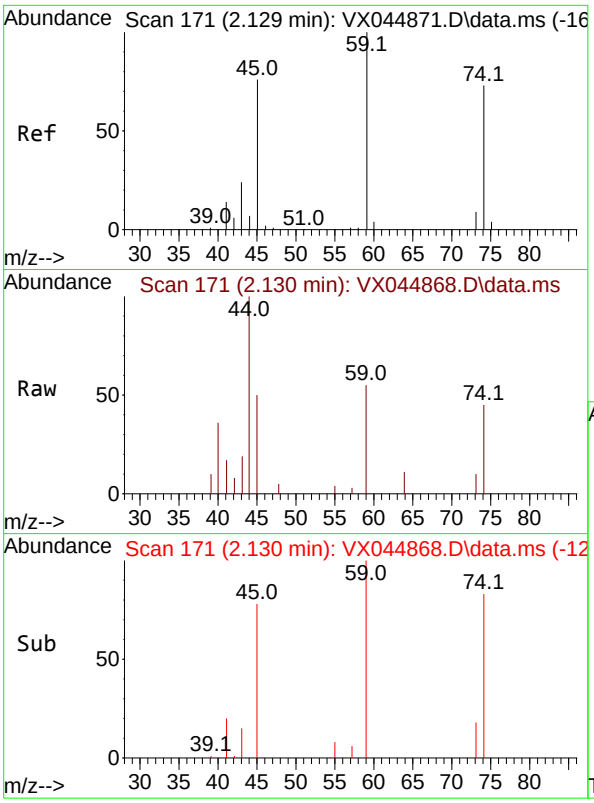


#7
Trichlorofluoromethane
Concen: 1.016 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:101 Resp: 2849

Ion	Ratio	Lower	Upper
101	100		
103	55.9	52.4	78.6





#8
Diethyl Ether
Concen: 1.014 ug/l
RT: 2.130 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 74 Resp: 103

Ion	Ratio	Lower	Upper
74	100		
45	166.1	51.1	153.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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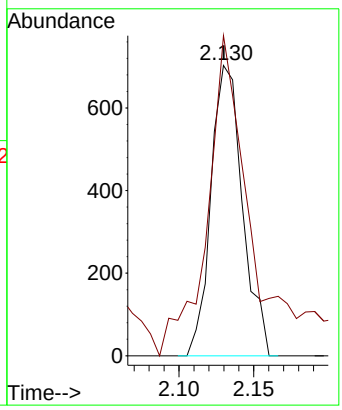
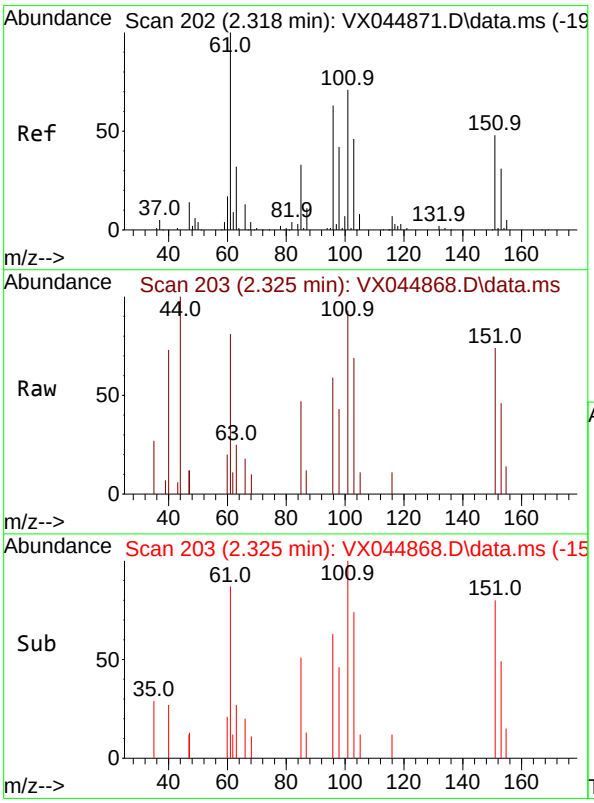
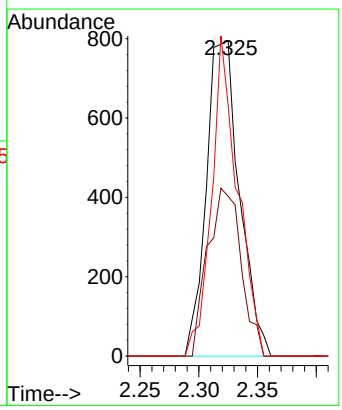


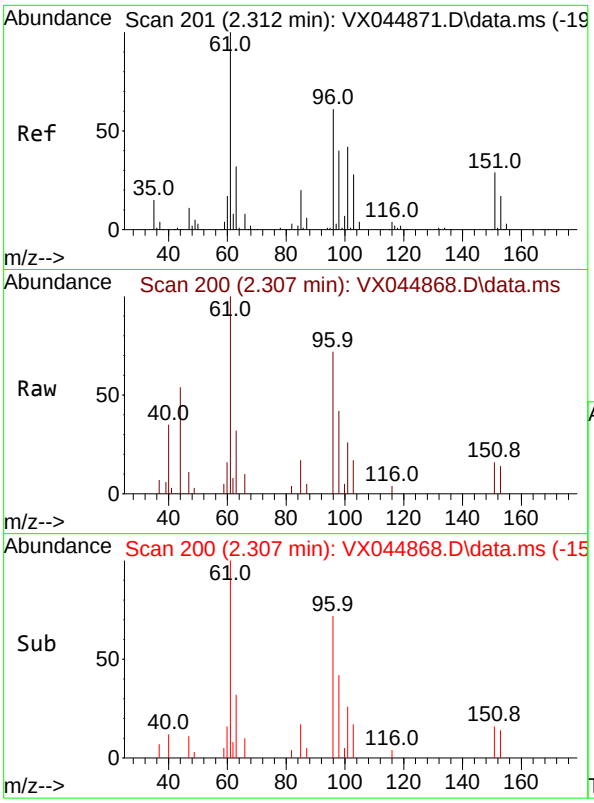


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.923 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:101 Resp: 1564

Ion	Ratio	Lower	Upper
101	100		
85	53.6	35.7	53.5#
151	79.3	56.0	84.0

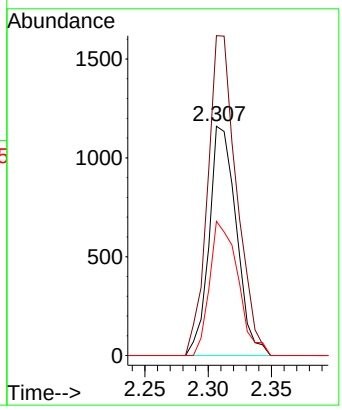




#12
1,1-Dichloroethene
Concen: 1.005 ug/l
RT: 2.307 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 96 Resp: 173

Ion	Ratio	Lower	Upper
96	100		
61	139.5	130.2	195.4
98	58.5	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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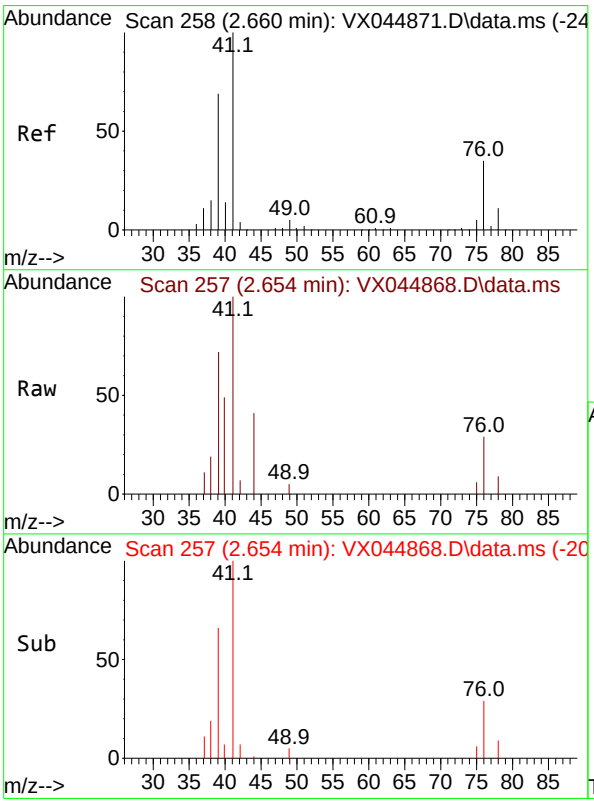
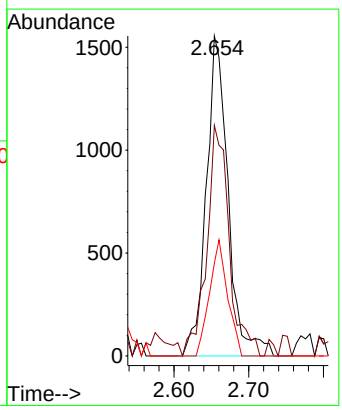
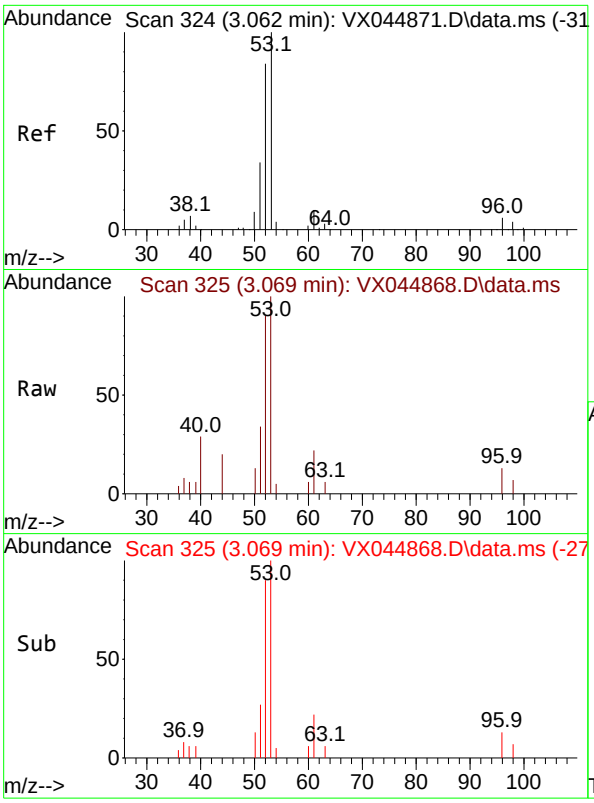


#14
Allyl chloride
Concen: 1.013 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 3164

Ion	Ratio	Lower	Upper
41	100		
39	73.5	51.4	77.2
76	29.9	27.0	40.4

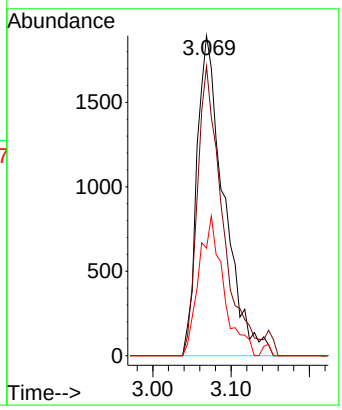




#15
Acrylonitrile
Concen: 4.655 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 53 Resp: 452

Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.0	97.6
51	40.0	28.0	42.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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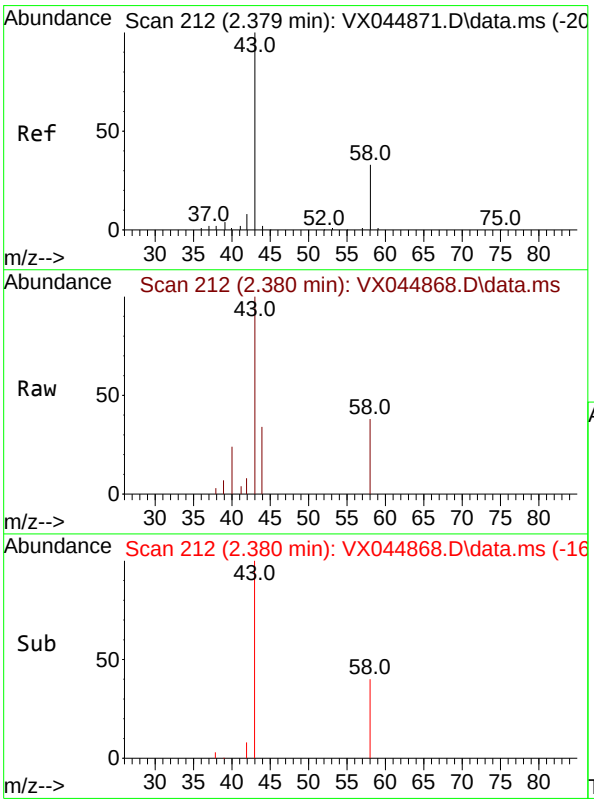
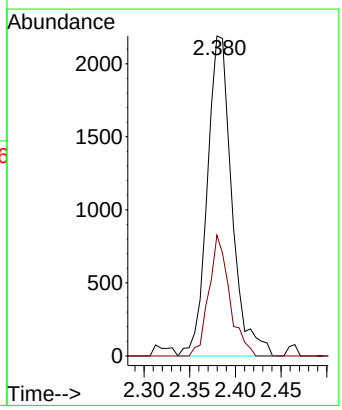
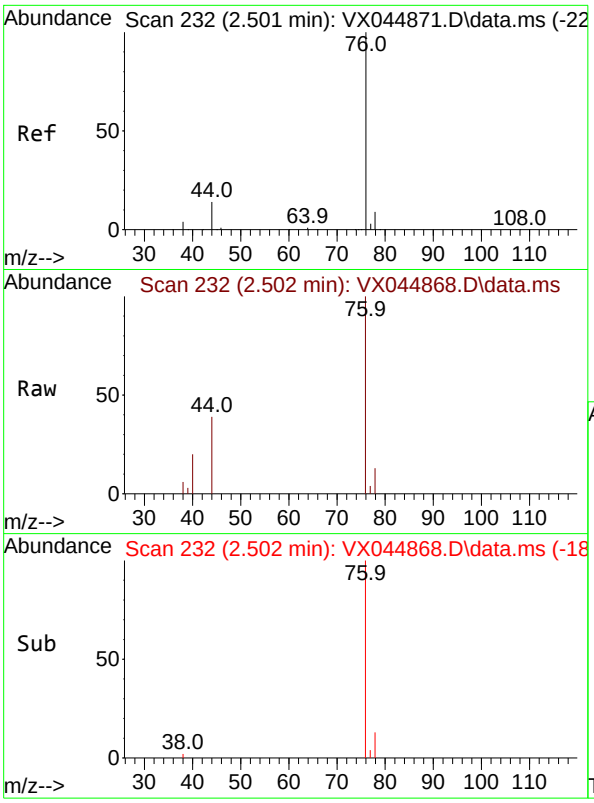


#16
Acetone
Concen: 5.188 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 4095

Ion	Ratio	Lower	Upper
43	100		
58	37.8	26.5	39.7

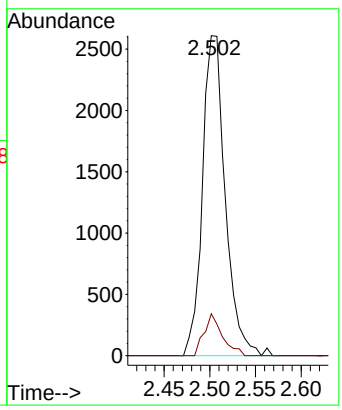




#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 76 Resp: 453

Ion	Ratio	Lower	Upper
76	100		
78	13.1	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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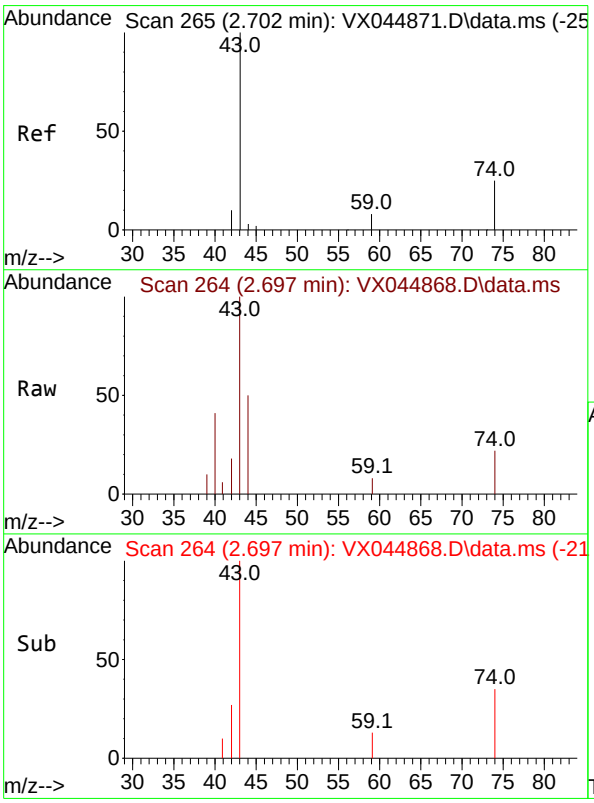
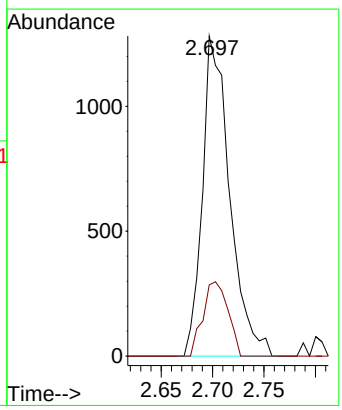
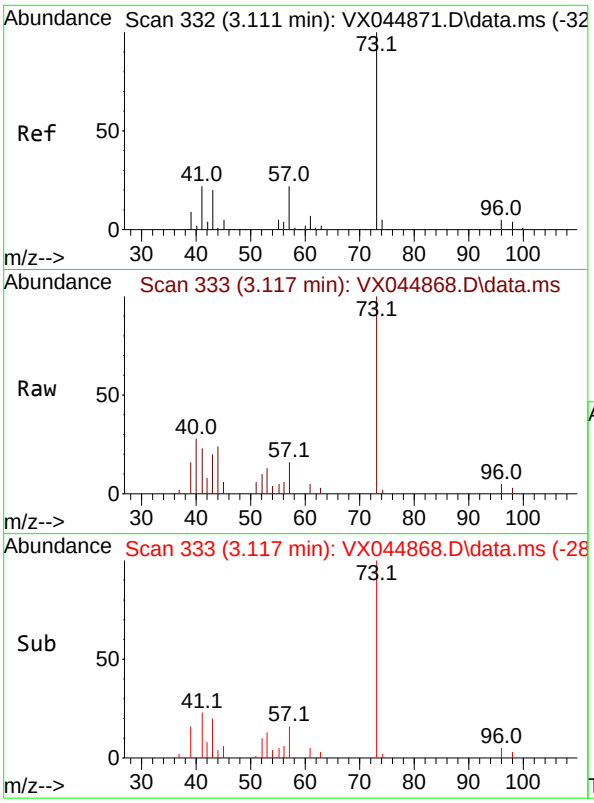


#18
Methyl Acetate
Concen: 0.950 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2367

Ion	Ratio	Lower	Upper
43	100		
74	21.3	18.9	28.3

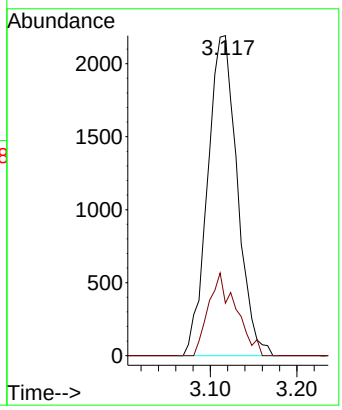




#19
Methyl tert-butyl Ether
Concen: 0.946 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 73 Resp: 520

Ion	Ratio	Lower	Upper
73	100		
57	16.4	17.9	26.9#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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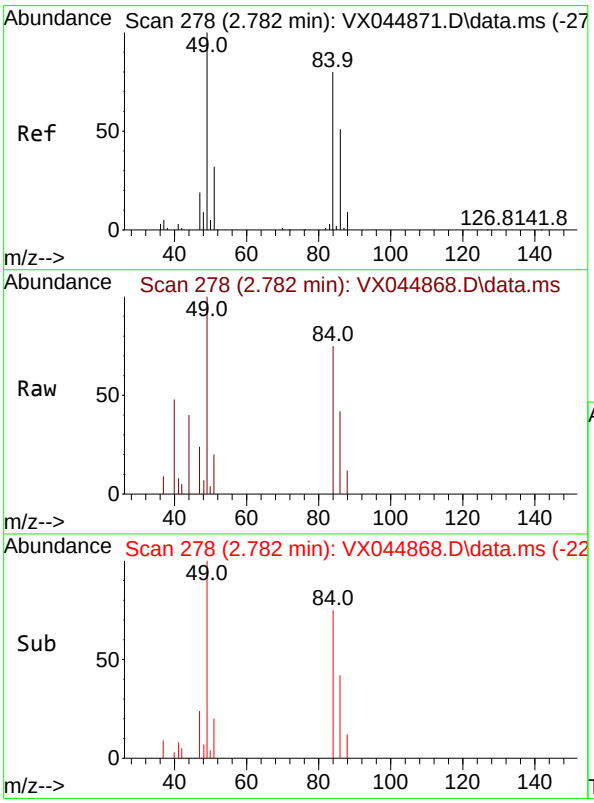
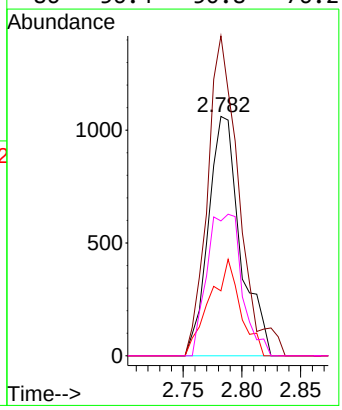
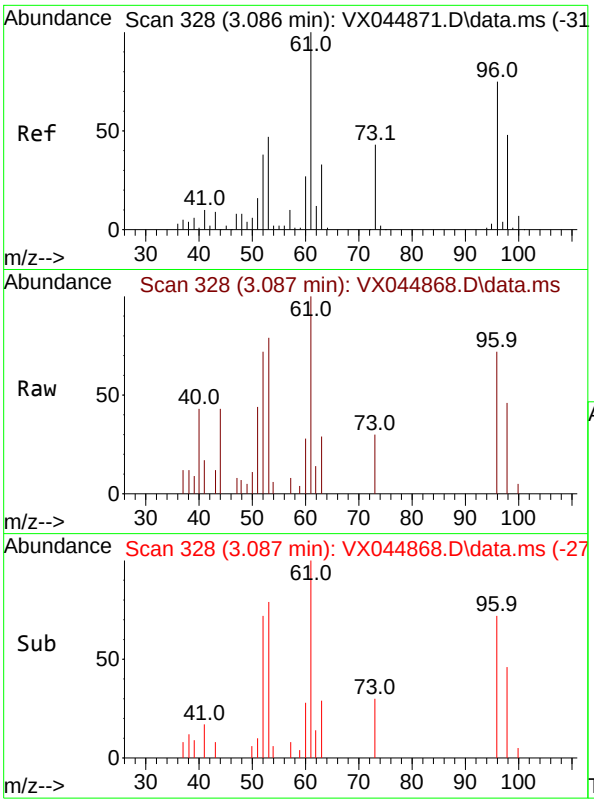


#20
Methylene Chloride
Concen: 1.037 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 84 Resp: 2005

Ion	Ratio	Lower	Upper
84	100		
49	133.6	100.1	150.1
51	27.1	31.7	47.5#
86	56.4	50.8	76.2

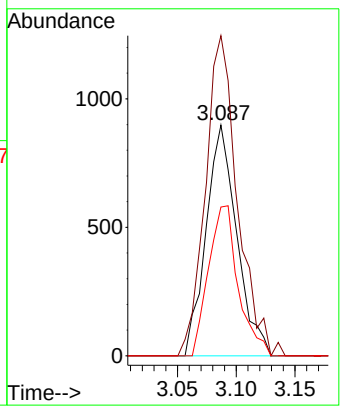




#21
trans-1,2-Dichloroethene
Concen: 0.959 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 96 Resp: 163

Ion	Ratio	Lower	Upper
96	100		
61	138.8	106.0	159.0
98	64.5	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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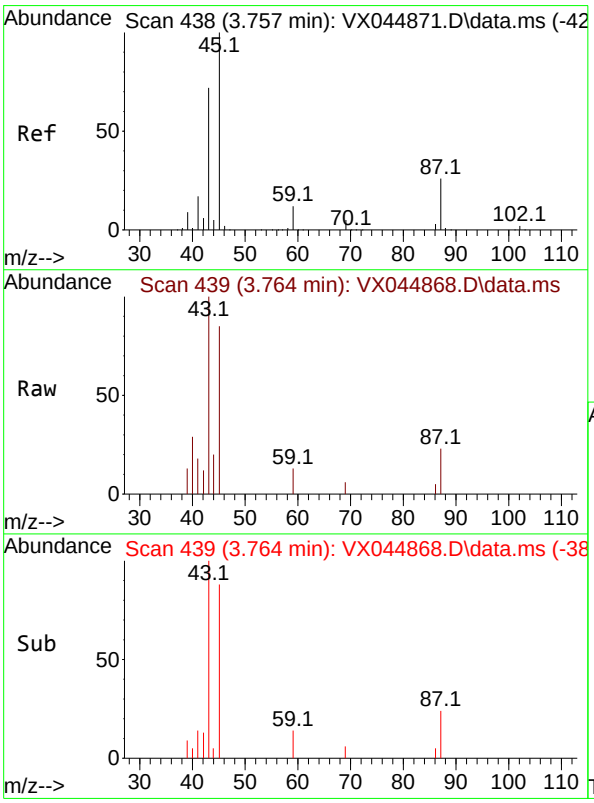
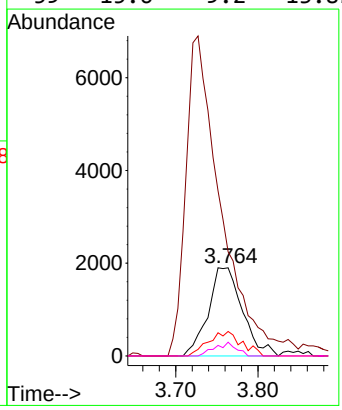
Supervised By :Mahesh Dadoda 02/11/2025

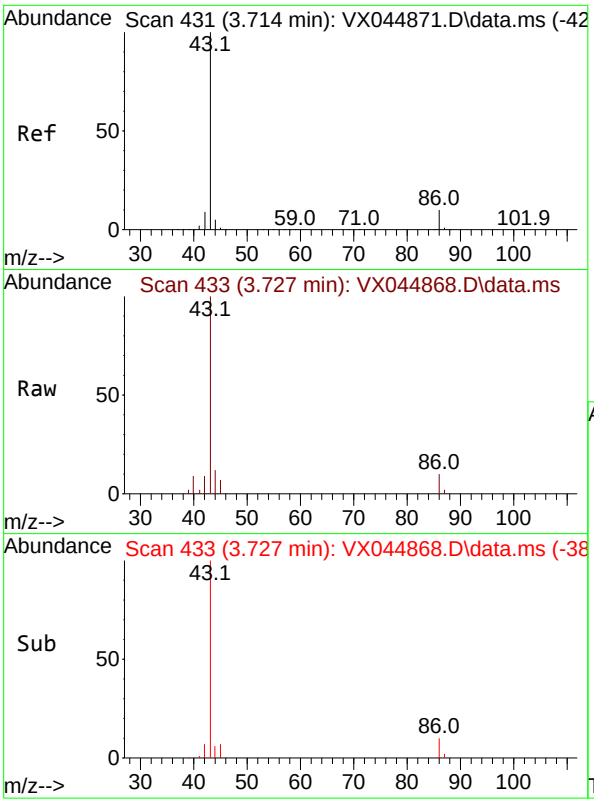


#22
Diisopropyl ether
Concen: 0.930 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 45 Resp: 5496

Ion	Ratio	Lower	Upper
45	100		
43	101.2	58.0	87.0#
87	27.8	20.7	31.1
59	15.6	9.2	13.8#





#23
Vinyl Acetate
Concen: 4.288 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2066

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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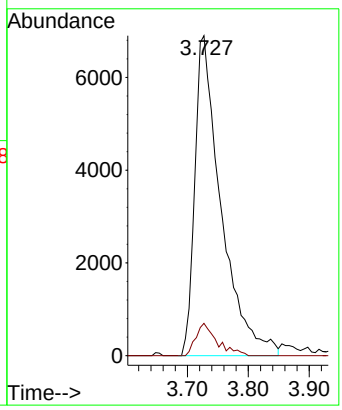
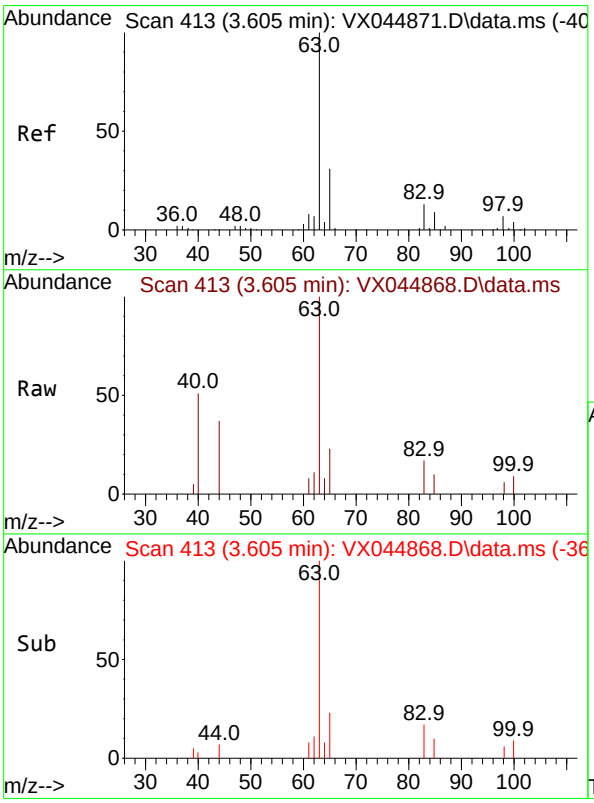
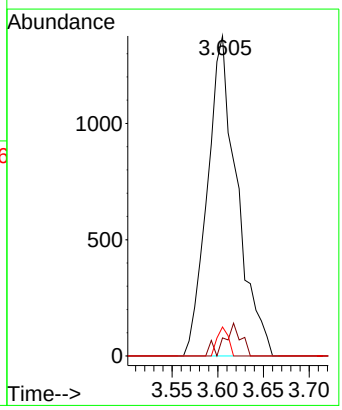


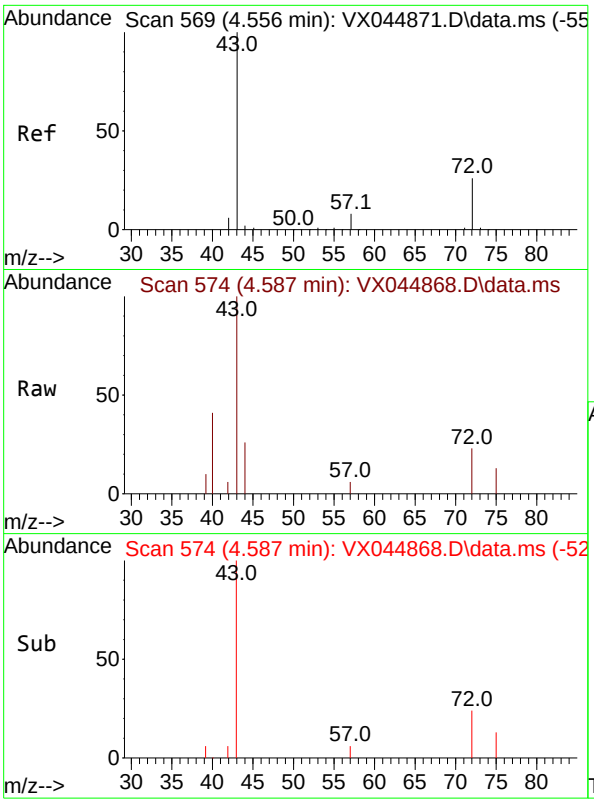


#24
1,1-Dichloroethane
Concen: 0.937 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 63 Resp: 3099

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.3	9.9
100	9.1	2.1	6.5#





#25
2-Butanone
Concen: 4.416 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.031 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 566

Ion	Ratio	Lower	Upper
43	100		
72	23.0	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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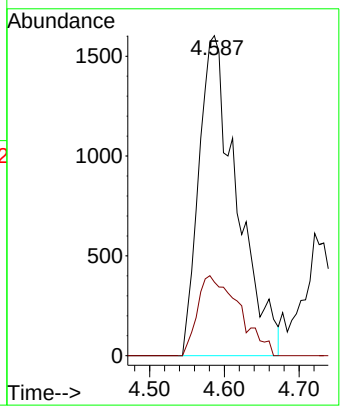
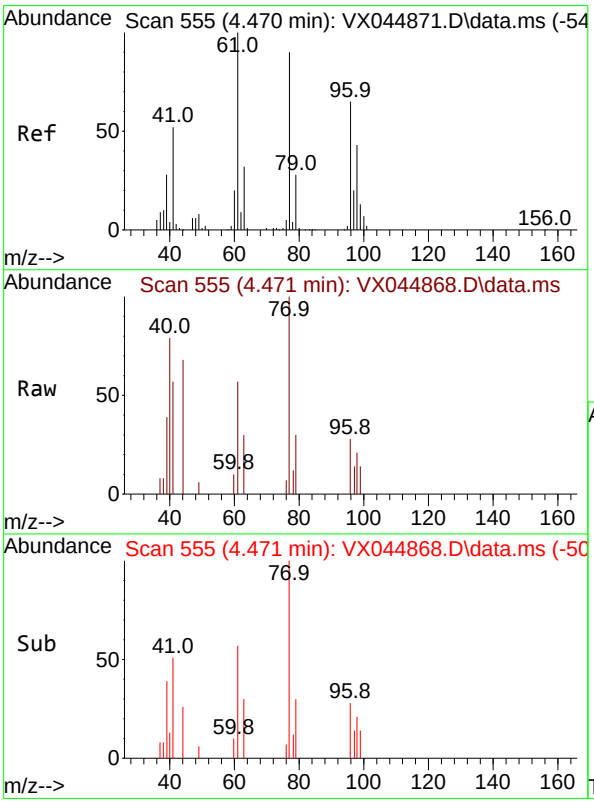
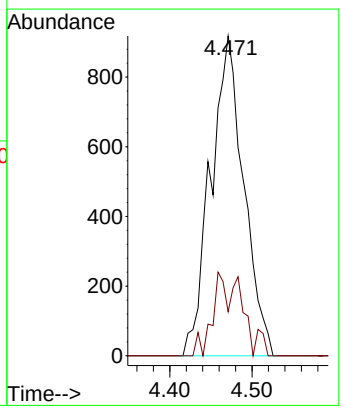


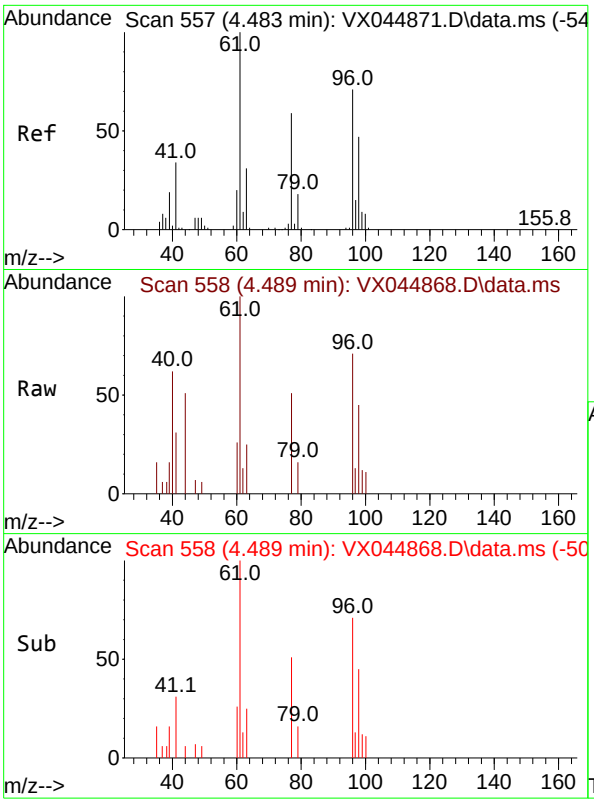


#26
2,2-Dichloropropane
Concen: 0.978 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 77 Resp: 2566

Ion	Ratio	Lower	Upper
77	100		
97	11.8	11.8	35.3

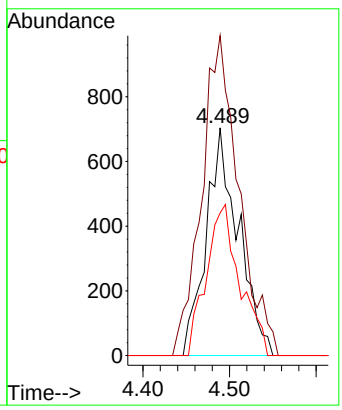




#27
cis-1,2-Dichloroethene
Concen: 0.893 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 96 Resp: 182

Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	294.0
98	68.9	0.0	131.2



Instrument :
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ClientSampleId :
VSTDICC001

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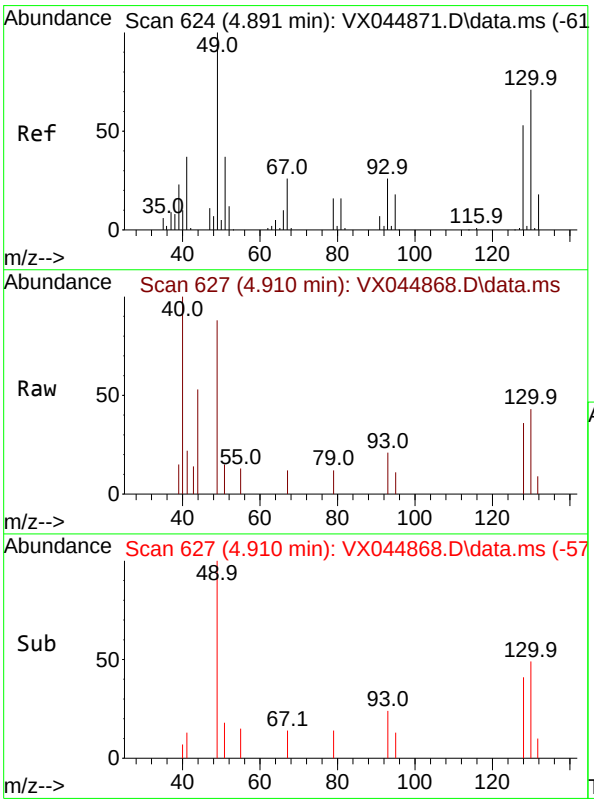
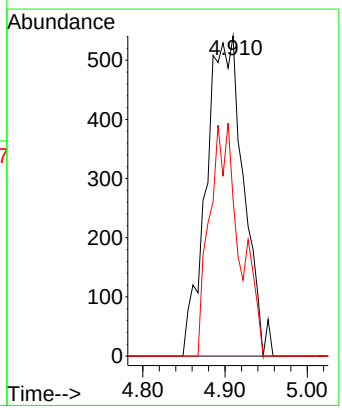
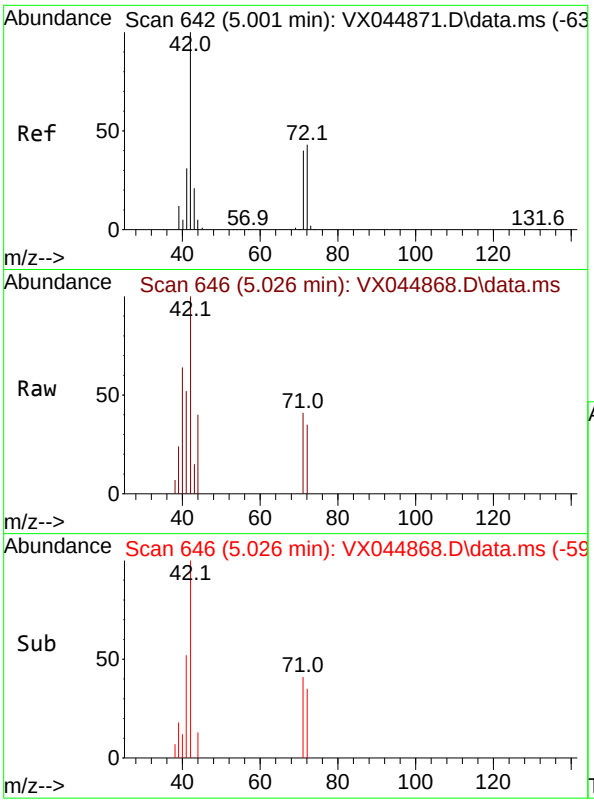


#28
Bromochloromethane
Concen: 1.071 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 49 Resp: 1702

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	49.6	56.7	85.1#





#29
Tetrahydrofuran
Concen: 4.716 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.025 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 42 Resp: 401

Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.0	52.4
71	41.3	32.6	48.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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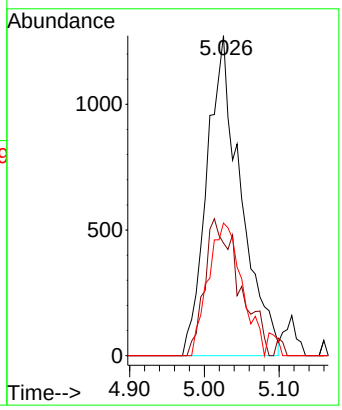
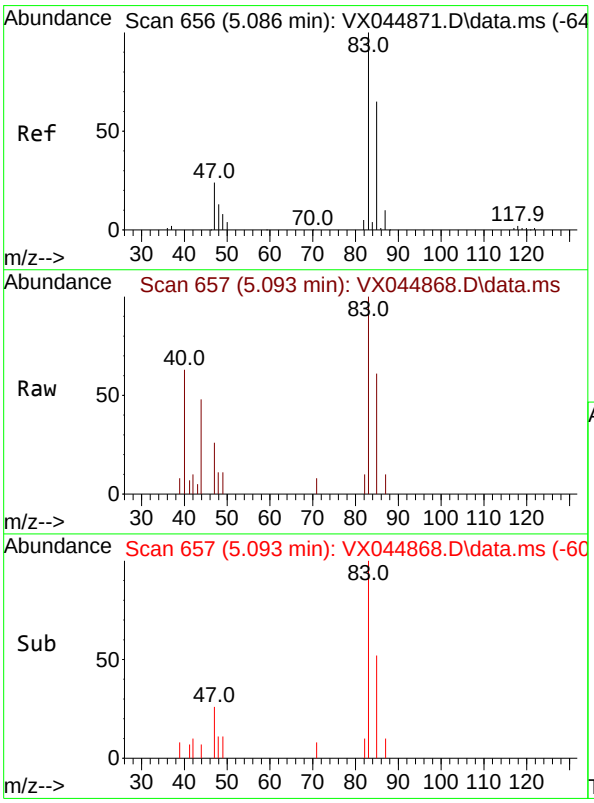
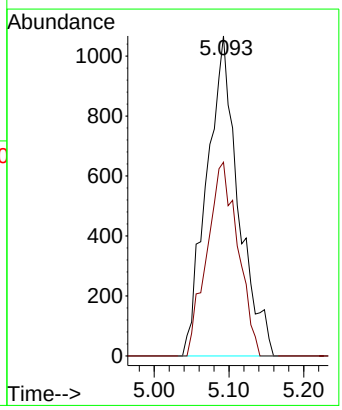


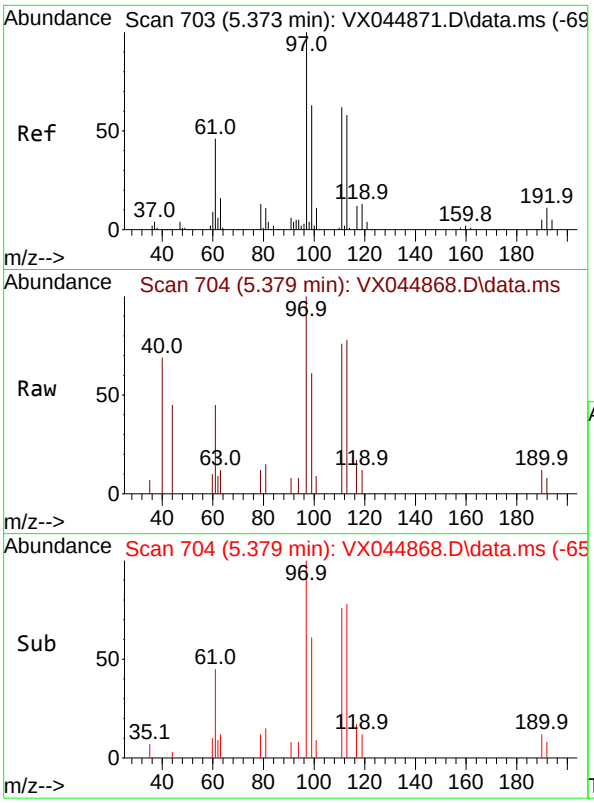


#30
Chloroform
Concen: 0.976 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 83 Resp: 3132

Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.1	78.1





#32
1,1,1-Trichloroethane
Concen: 1.000 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 97 Resp: 272

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6
61	42.2	36.6	55.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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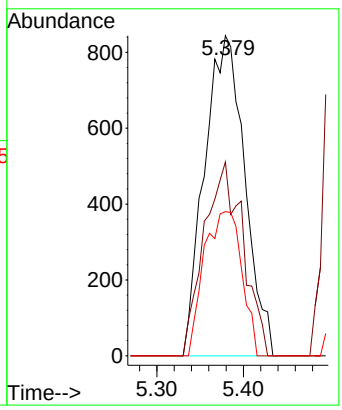
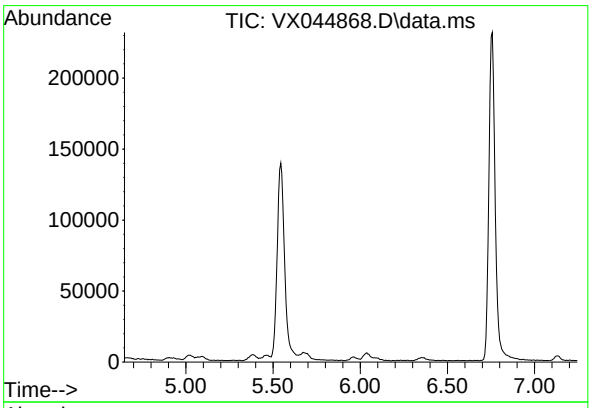


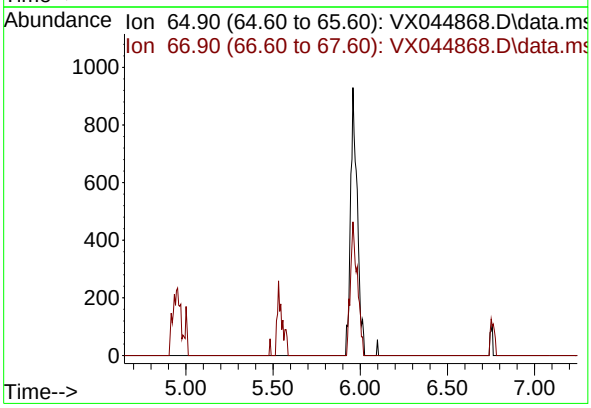


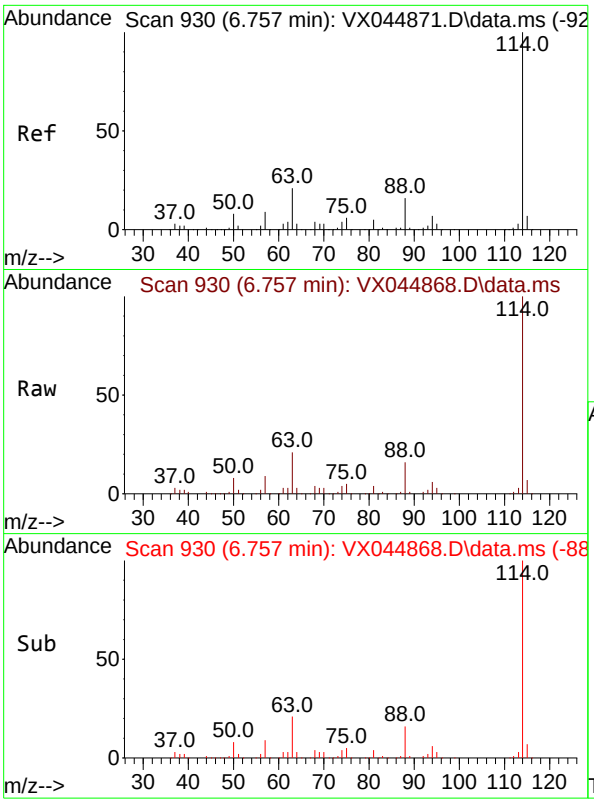
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	54.1

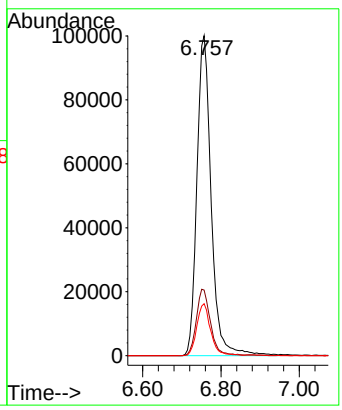




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:114 Resp: 25414

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.4
88	16.3	0.0	31.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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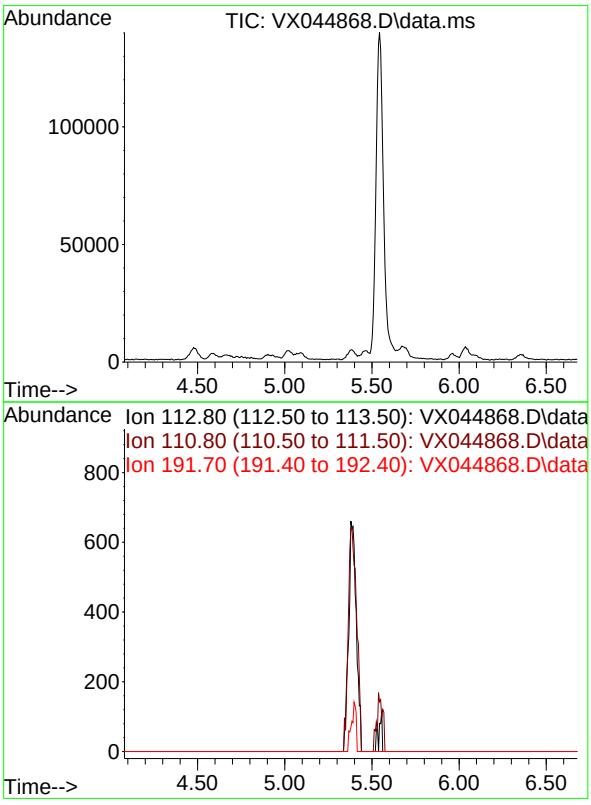
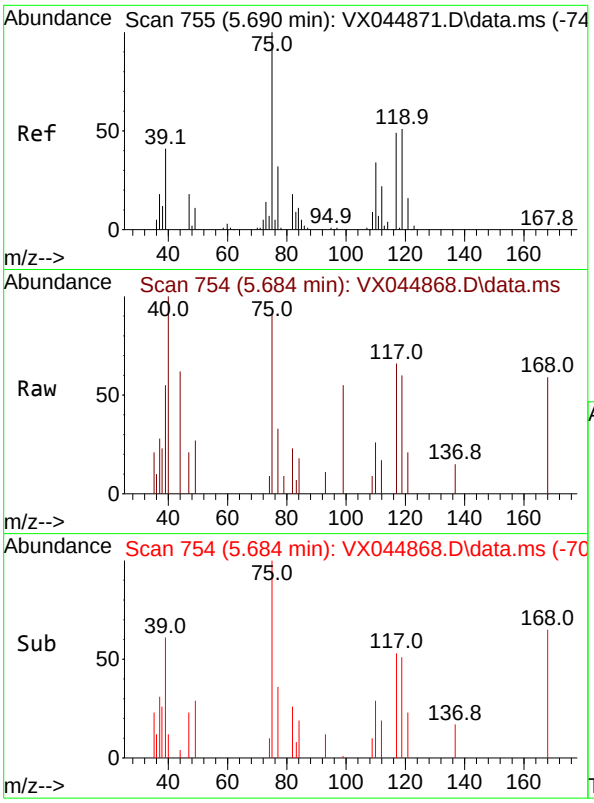


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 113

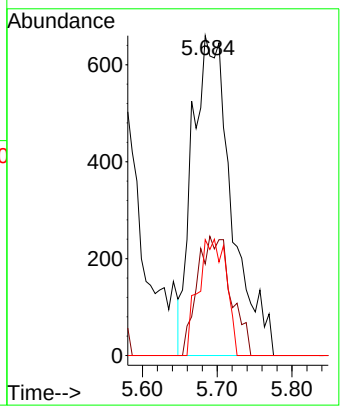
Sig	Exp Ratio
113	100
111	104.4
192	18.0



#36
1,1-Dichloropropene
Concen: 1.006 ug/l
RT: 5.684 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 239

Ion	Ratio	Lower	Upper
75	100		
110	32.1	17.2	51.6
77	26.3	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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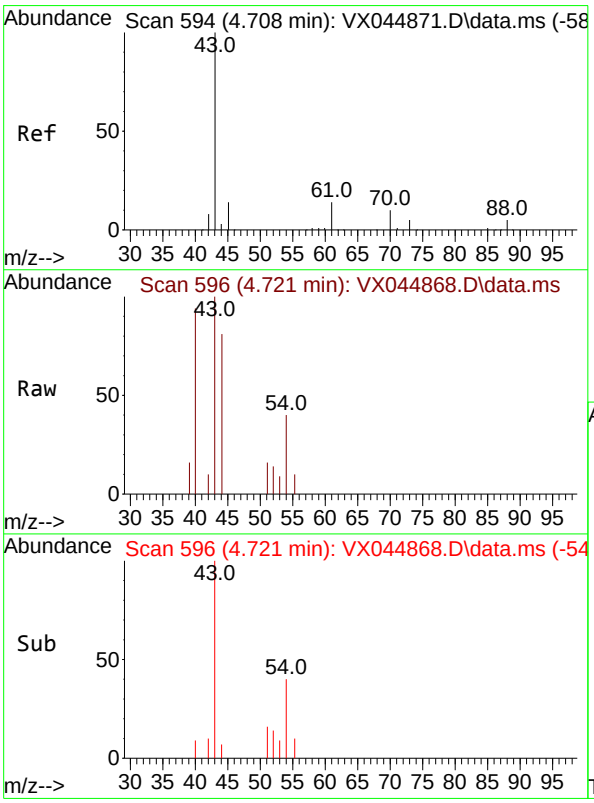
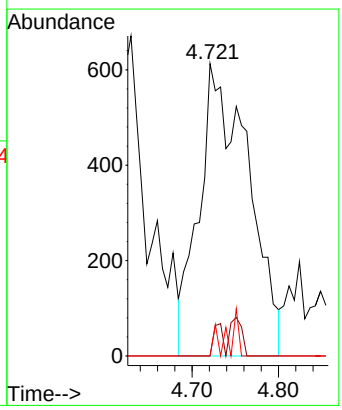
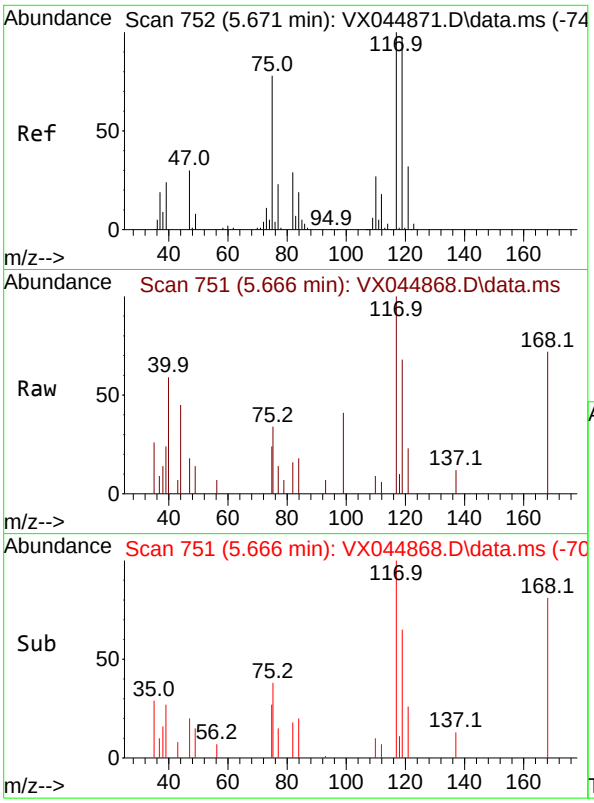


#37
Ethyl Acetate
Concen: 0.915 ug/l m
RT: 4.721 min Scan# 596
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2426

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	1.0	8.2	12.2#

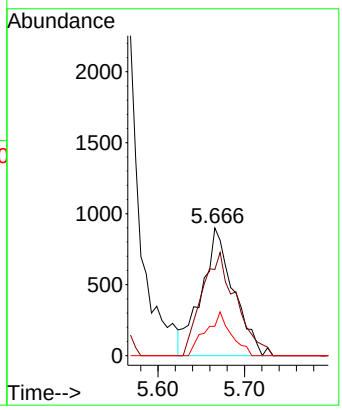




#38
Carbon Tetrachloride
Concen: 0.994 ug/l
RT: 5.666 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:117 Resp: 232

Ion	Ratio	Lower	Upper
117	100		
119	67.5	77.5	116.3#
121	23.0	25.6	38.4#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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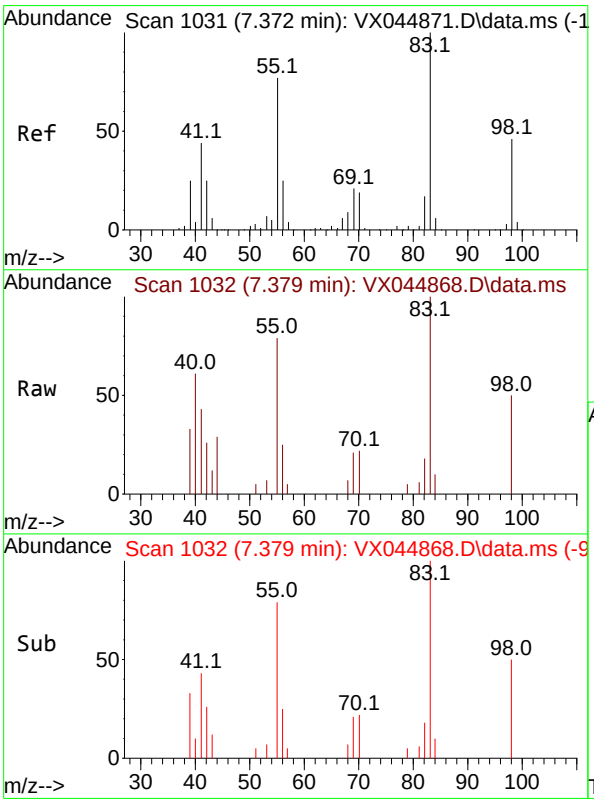
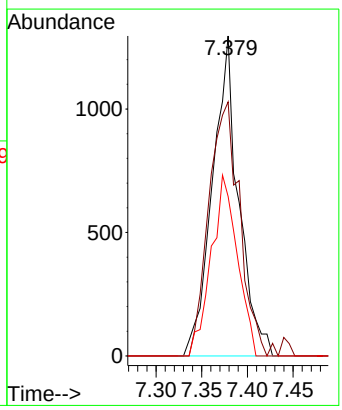
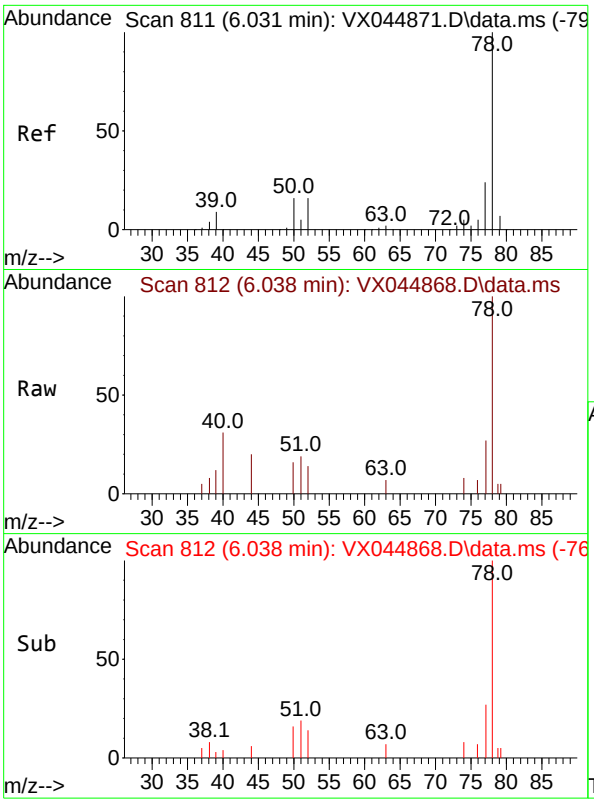


#39
Methylcyclohexane
Concen: 0.840 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 83 Resp: 2589

Ion	Ratio	Lower	Upper
83	100		
55	79.4	61.3	91.9
98	49.8	37.0	55.6

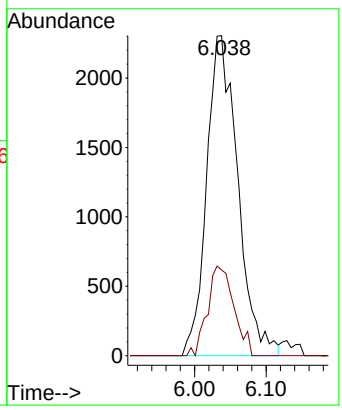




#40
Benzene
Concen: 0.935 ug/l
RT: 6.038 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 78 Resp: 696

Ion	Ratio	Lower	Upper
78	100		
77	26.8	19.0	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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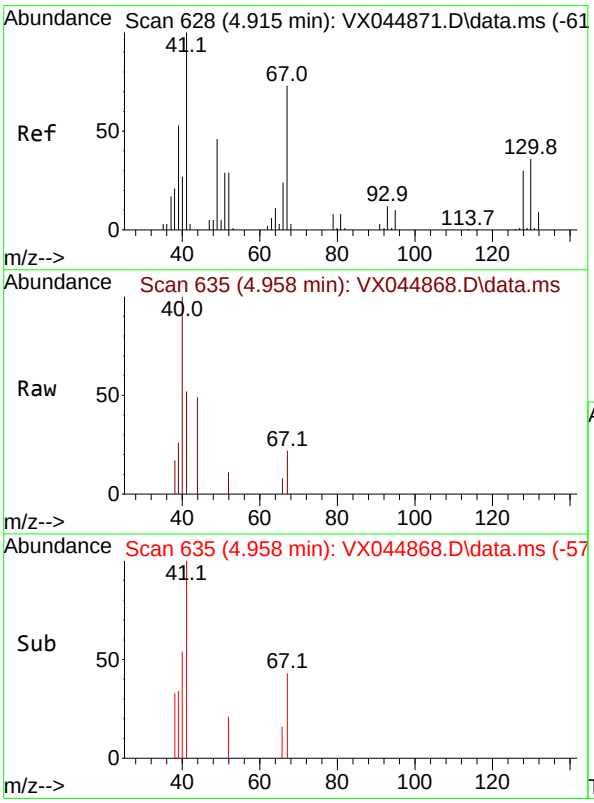
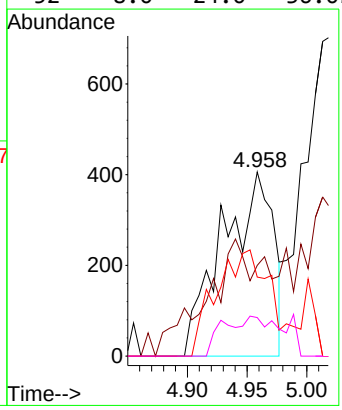
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

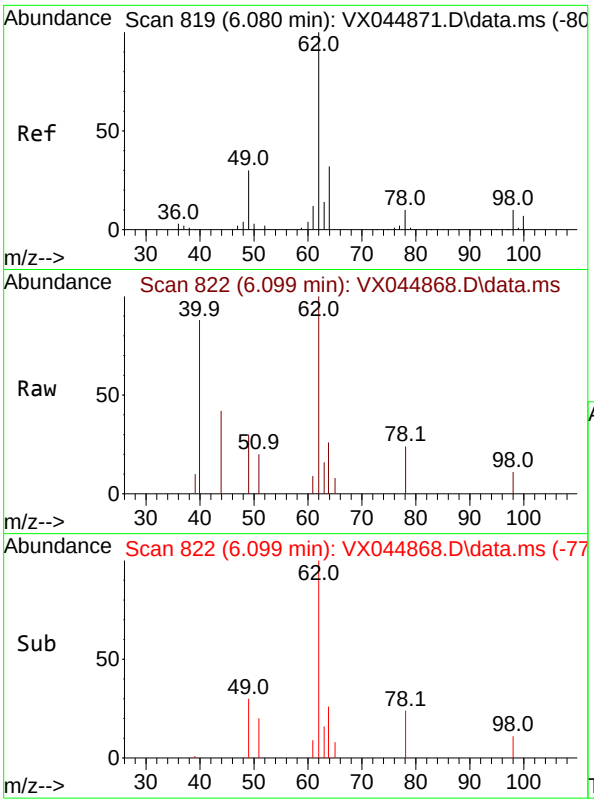


#41
Methacrylonitrile
Concen: 0.849 ug/l m
RT: 4.958 min Scan# 635
Delta R.T. 0.043 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 1205

Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	57.0	85.6#
52	8.0	24.0	36.0#

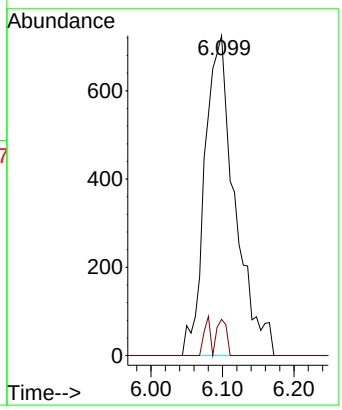




#42
1,2-Dichloroethane
Concen: 0.894 ug/l
RT: 6.099 min Scan# 8
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 62 Resp: 212

Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	19.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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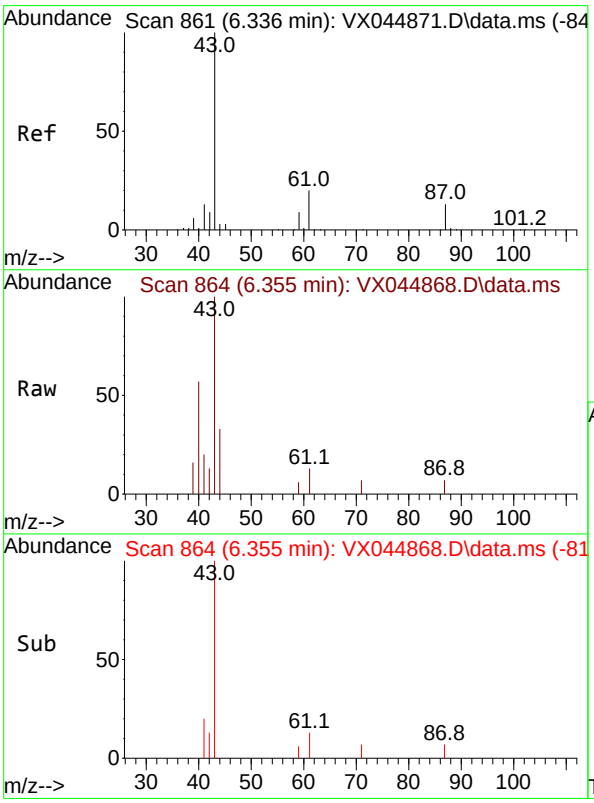
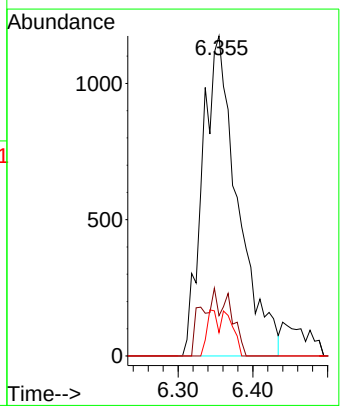
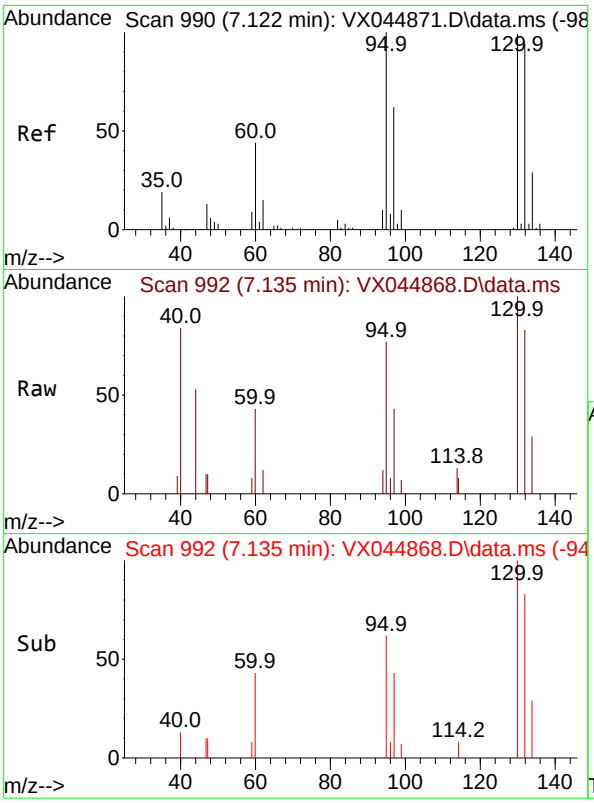


#43
Isopropyl Acetate
Concen: 0.897 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 3839

Ion	Ratio	Lower	Upper
43	100		
61	16.9	15.8	23.8
87	4.6	10.0	15.0#





#44
Trichloroethene
Concen: 0.874 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:130 Resp: 148

Ion	Ratio	Lower	Upper
130	100		
95	76.6	0.0	202.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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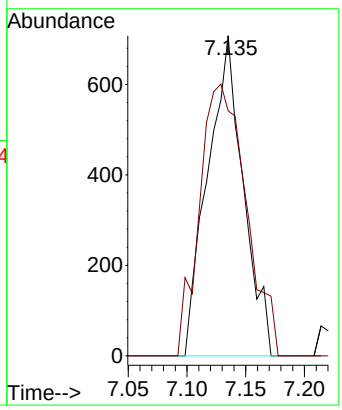
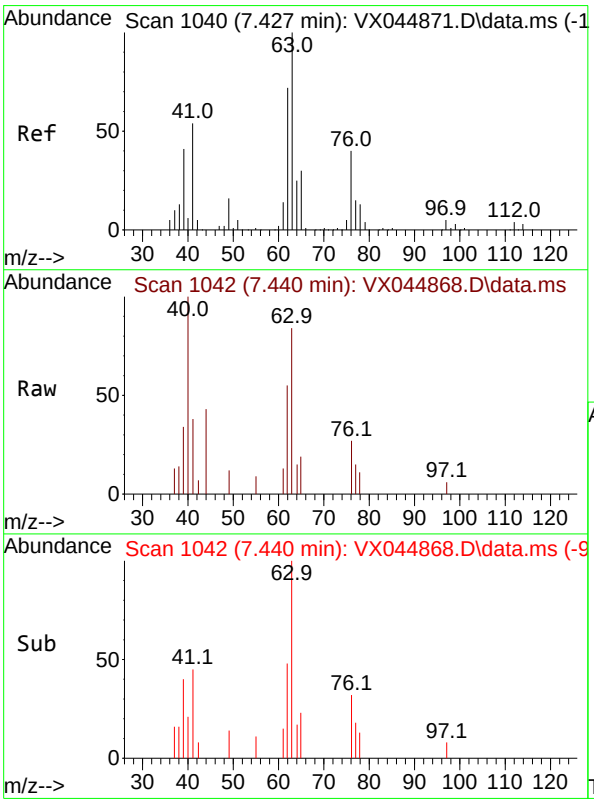
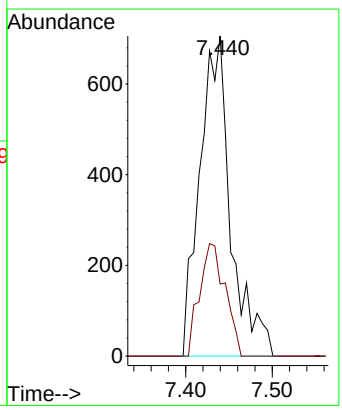


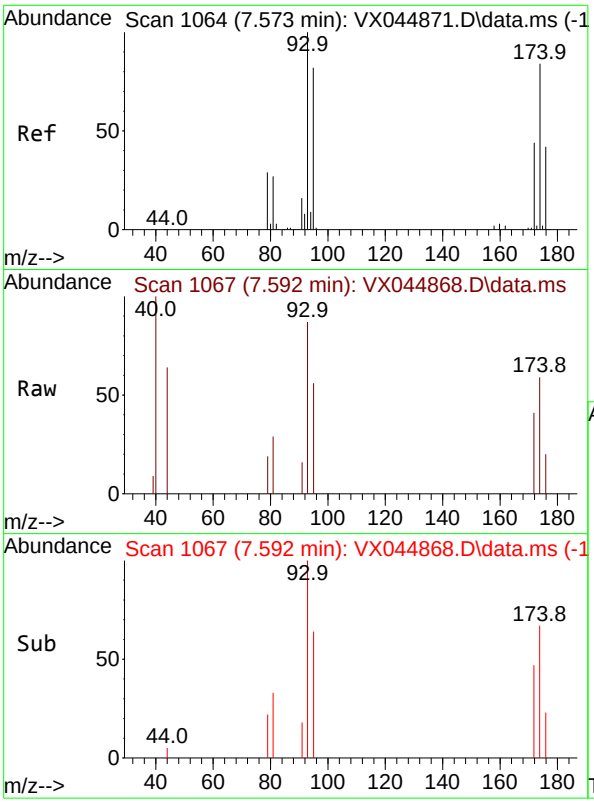


#45
1,2-Dichloropropane
Concen: 0.943 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 63 Resp: 1746

Ion	Ratio	Lower	Upper
63	100		
65	22.5	24.2	36.4#

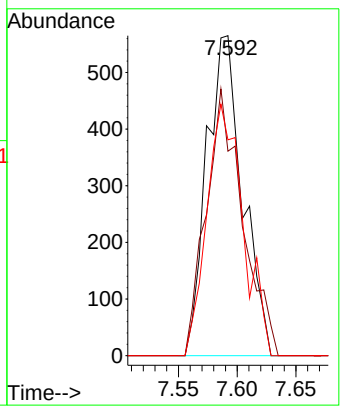




#46
Dibromomethane
Concen: 0.936 ug/l
RT: 7.592 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 93 Resp: 120

Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.2	99.4
174	79.3	69.9	104.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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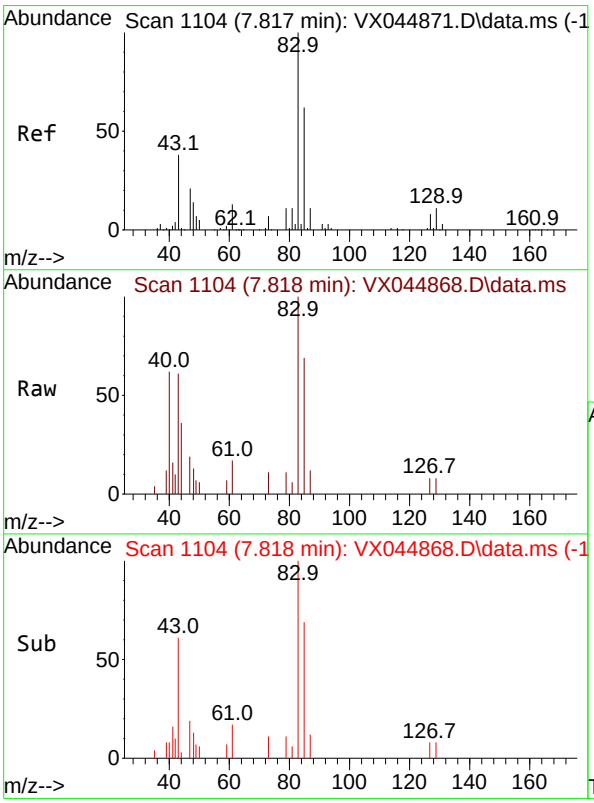
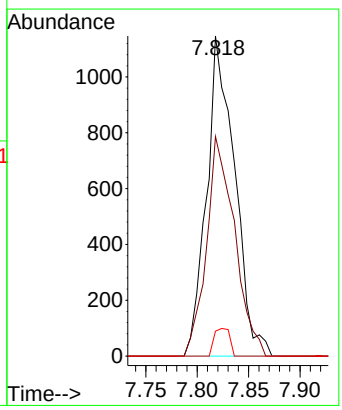
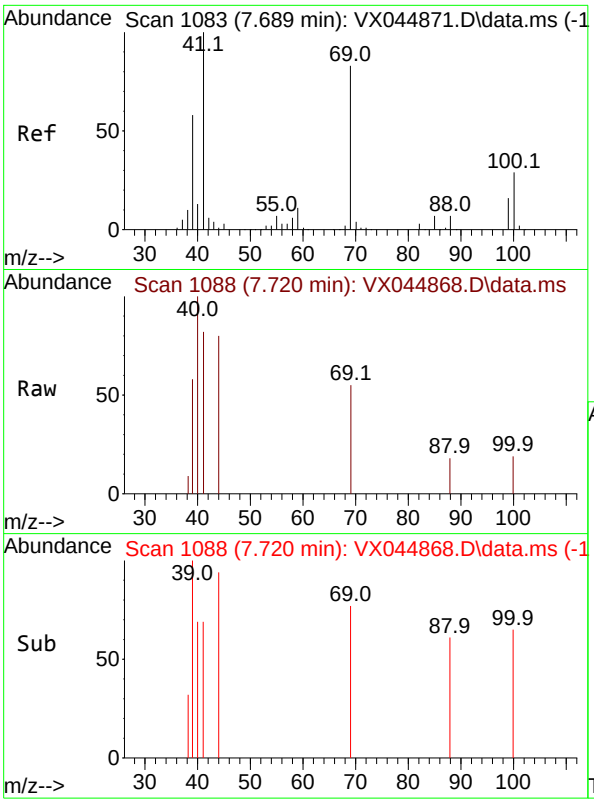


#47
Bromodichloromethane
Concen: 0.875 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 83 Resp: 2176

Ion	Ratio	Lower	Upper
83	100		
85	68.6	50.0	75.0
127	7.8	6.4	9.6

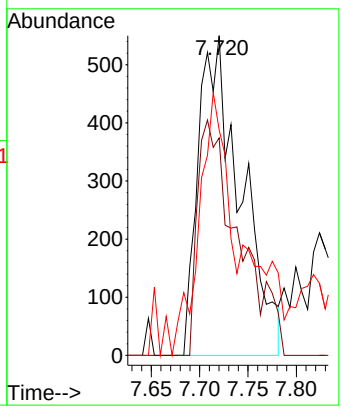




#48
Methyl methacrylate
Concen: 0.830 ug/l
RT: 7.720 min Scan# 1
Delta R.T. 0.031 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 167

Ion	Ratio	Lower	Upper
41	100		
69	71.8	65.8	98.8
39	55.9	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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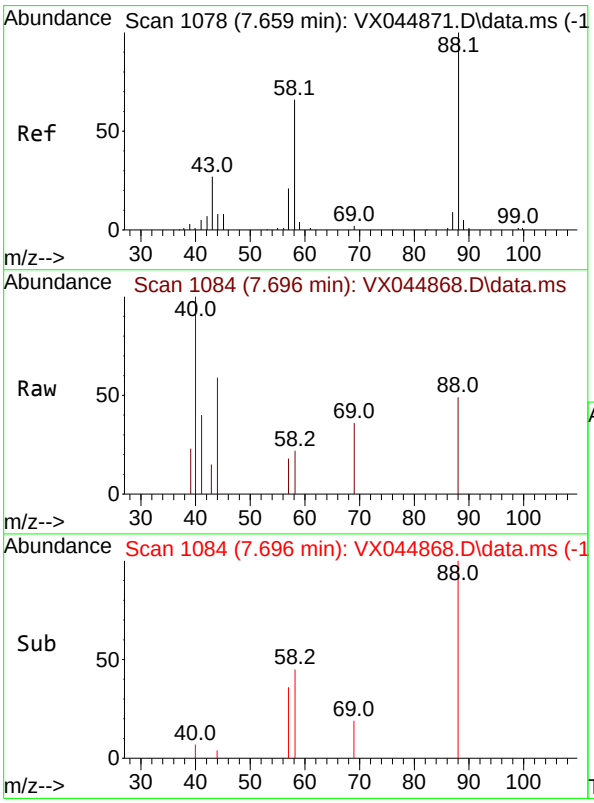
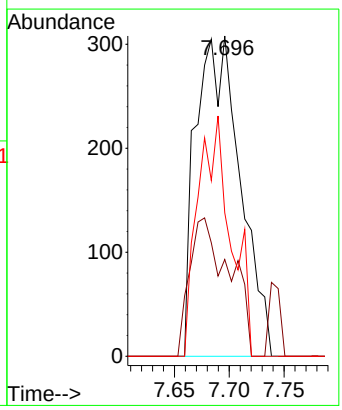
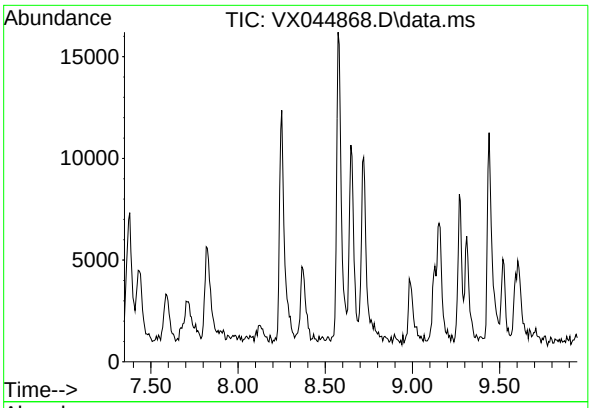


#49
1,4-Dioxane
Concen: 20.015 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.037 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 88 Resp: 867

Ion	Ratio	Lower	Upper
88	100		
43	38.9	26.6	39.8
58	55.5	55.9	83.9#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	65.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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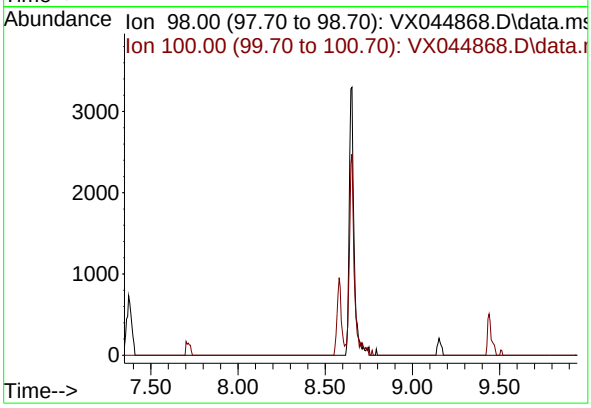
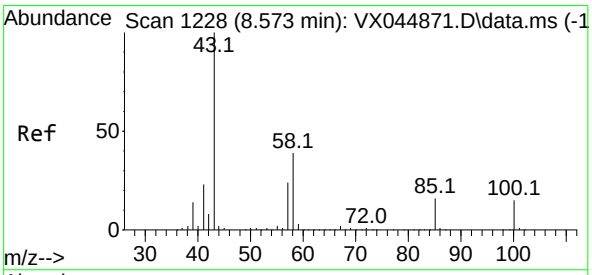
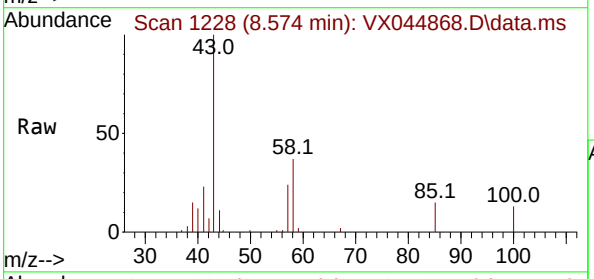
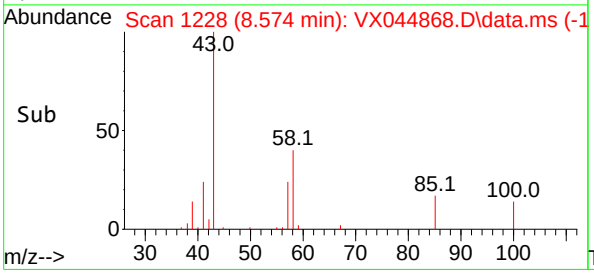




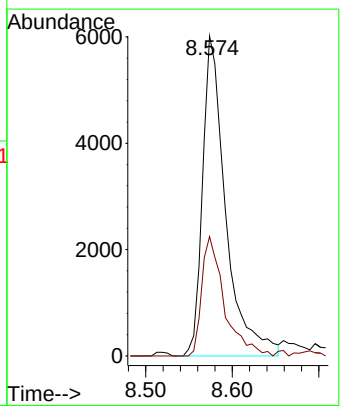


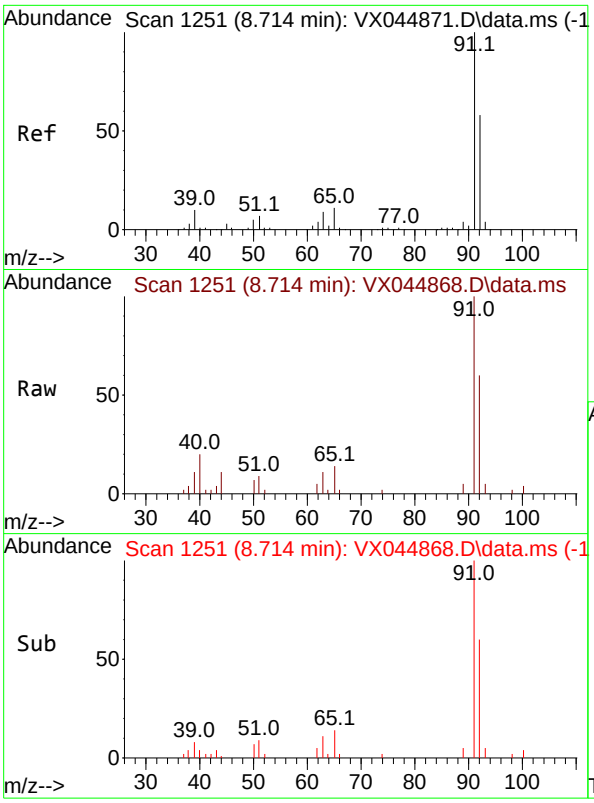


#51
4-Methyl-2-Pentanone
Concen: 4.290 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 11169

Ion	Ratio	Lower	Upper
43	100		
58	36.3	30.8	46.2

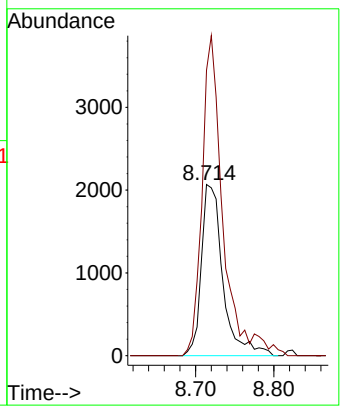




#52
Toluene
Concen: 0.889 ug/l
RT: 8.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 92 Resp: 394

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.4	206.2



Instrument :
MSVOA_X
ClientSampleId :
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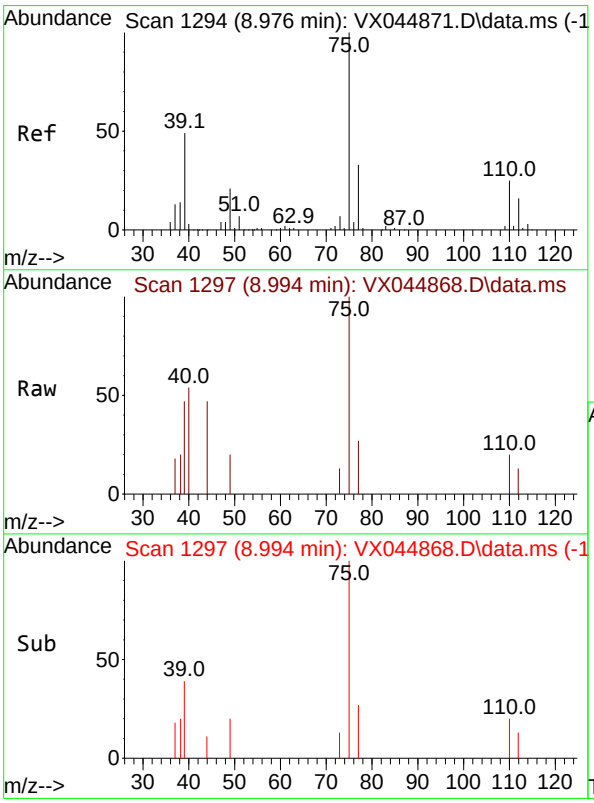
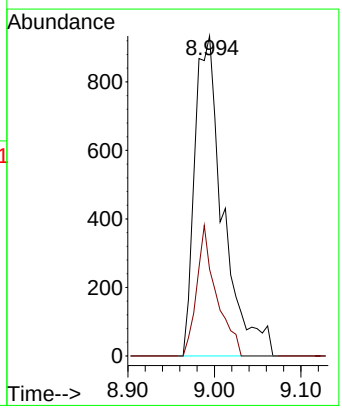
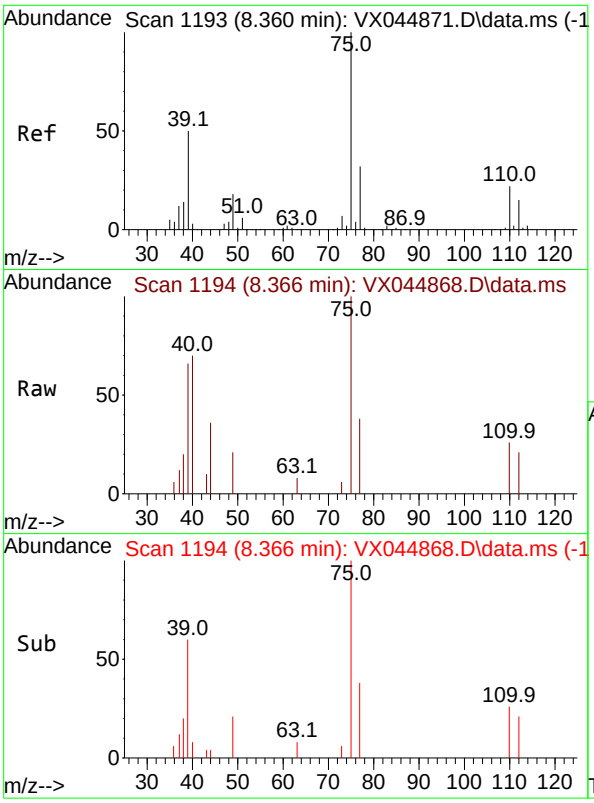


#53
t-1,3-Dichloropropene
Concen: 0.842 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2119

Ion	Ratio	Lower	Upper
75	100		
77	27.1	26.0	39.0

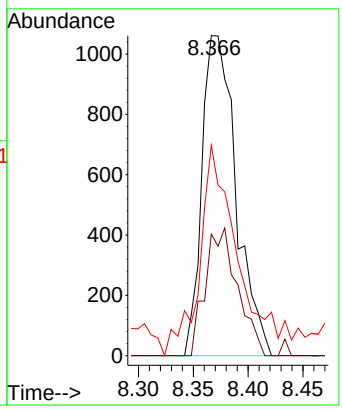




#54
cis-1,3-Dichloropropene
Concen: 0.820 ug/l
RT: 8.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 230

Ion	Ratio	Lower	Upper
75	100		
77	38.0	25.3	37.9#
39	60.3	40.0	60.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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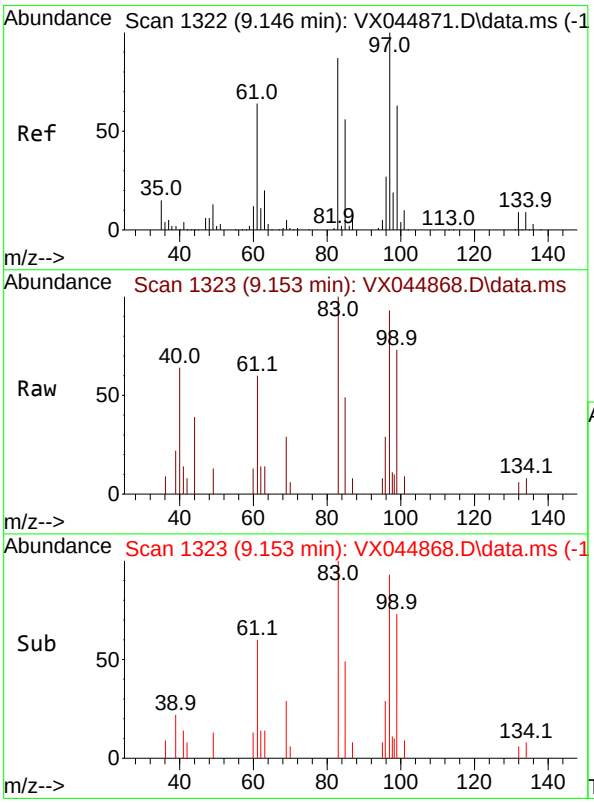
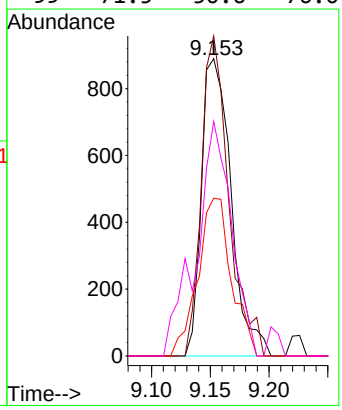
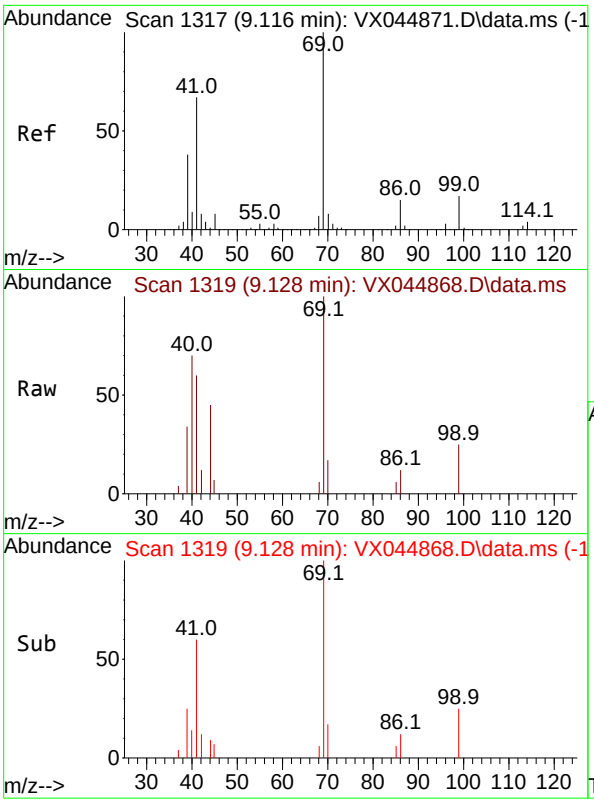


#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 97 Resp: 1558

Ion	Ratio	Lower	Upper
97	100		
83	107.6	69.8	104.6#
85	53.0	44.8	67.2
99	71.5	50.6	76.0

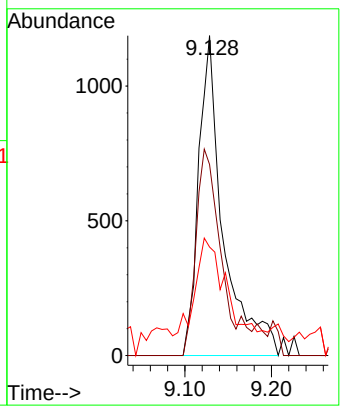




#56
Ethyl methacrylate
Concen: 0.852 ug/l
RT: 9.128 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 69 Resp: 234

Ion	Ratio	Lower	Upper
69	100		
41	61.6	55.2	82.8
39	56.2	30.8	46.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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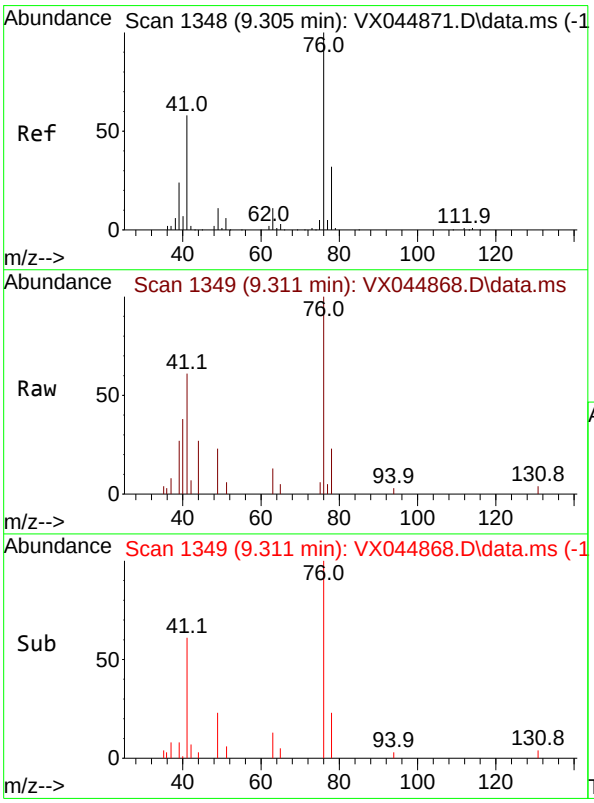
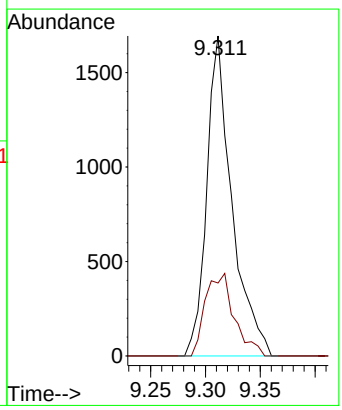
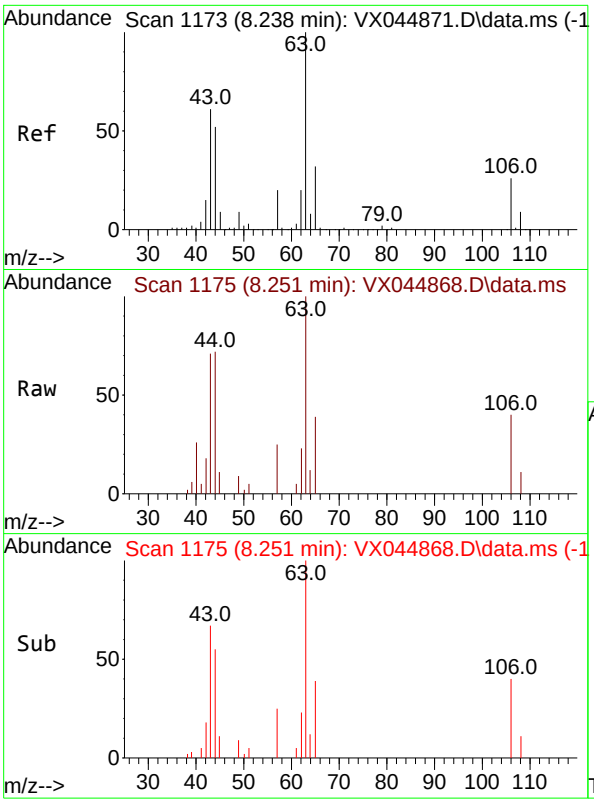


#57
1,3-Dichloropropane
Concen: 0.905 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 76 Resp: 2699

Ion	Ratio	Lower	Upper
76	100		
78	29.6	25.8	38.8





#58
2-Chloroethyl Vinyl ether
Concen: 3.996 ug/l
RT: 8.251 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 63 Resp: 540

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.3	31.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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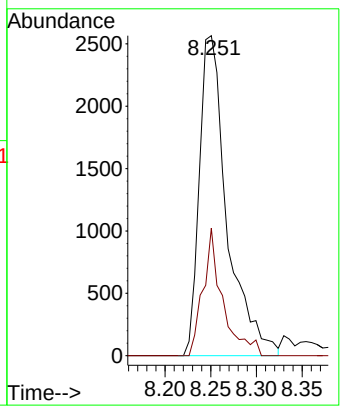
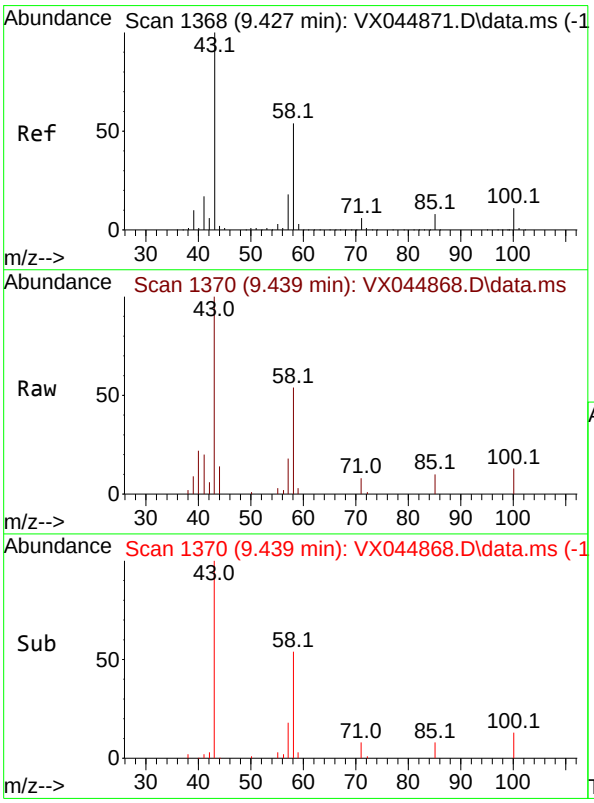
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

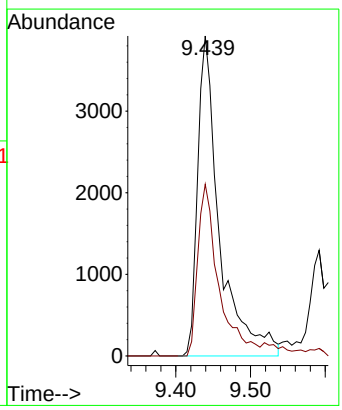


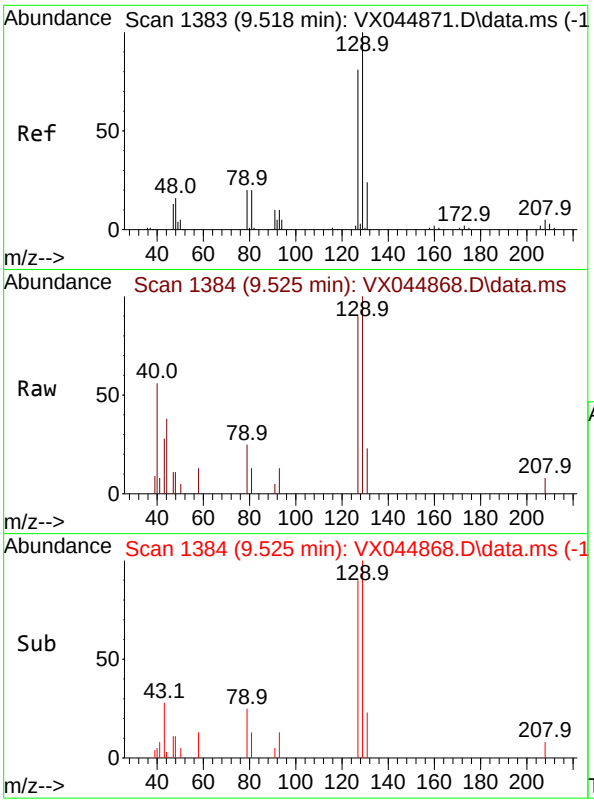


#59
2-Hexanone
Concen: 4.240 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 7952

Ion	Ratio	Lower	Upper
43	100		
58	51.3	27.5	82.4

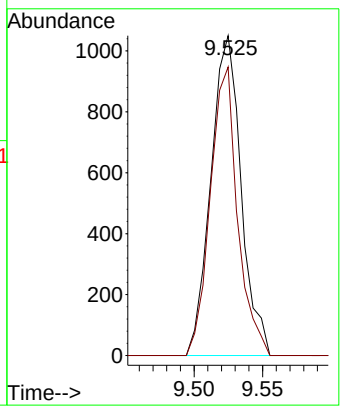




#60
Dibromochloromethane
Concen: 0.885 ug/l
RT: 9.525 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:129 Resp: 161

Ion	Ratio	Lower	Upper
129	100		
127	81.3	39.1	117.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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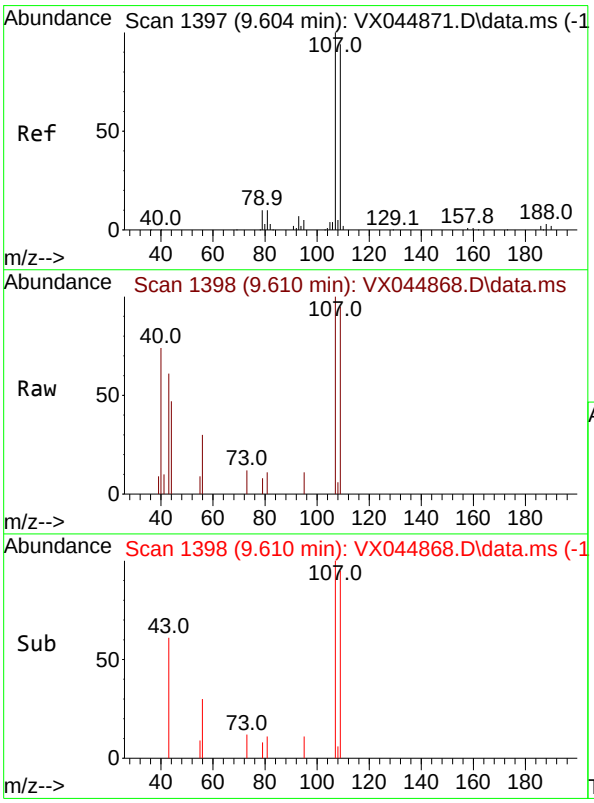
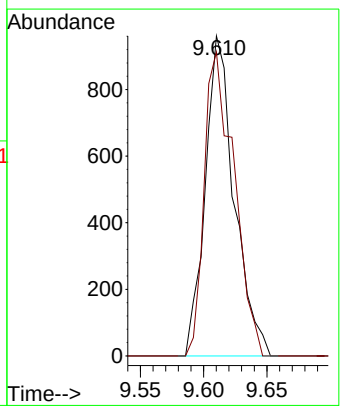
Supervised By :Mahesh Dadoda 02/11/2025

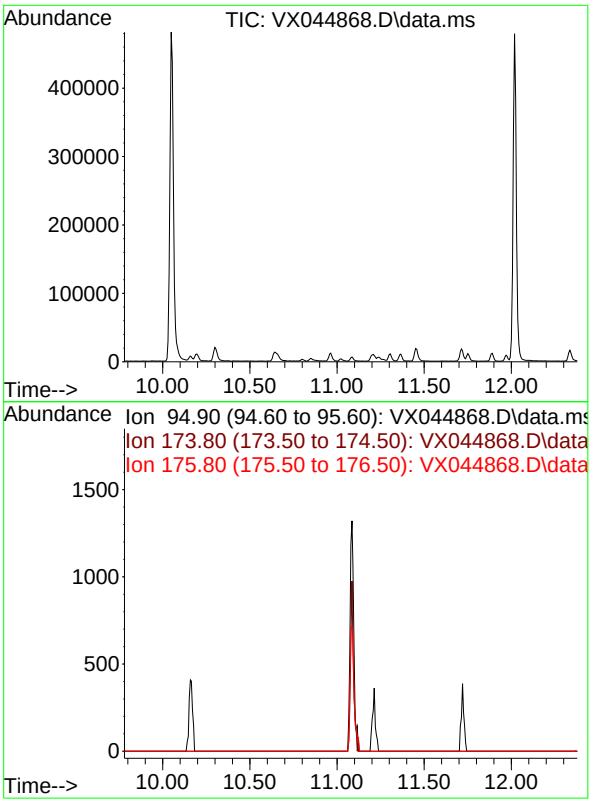


#61
1,2-Dibromoethane
Concen: 0.888 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:107 Resp: 1534

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.9	113.9





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	71.3
176	70.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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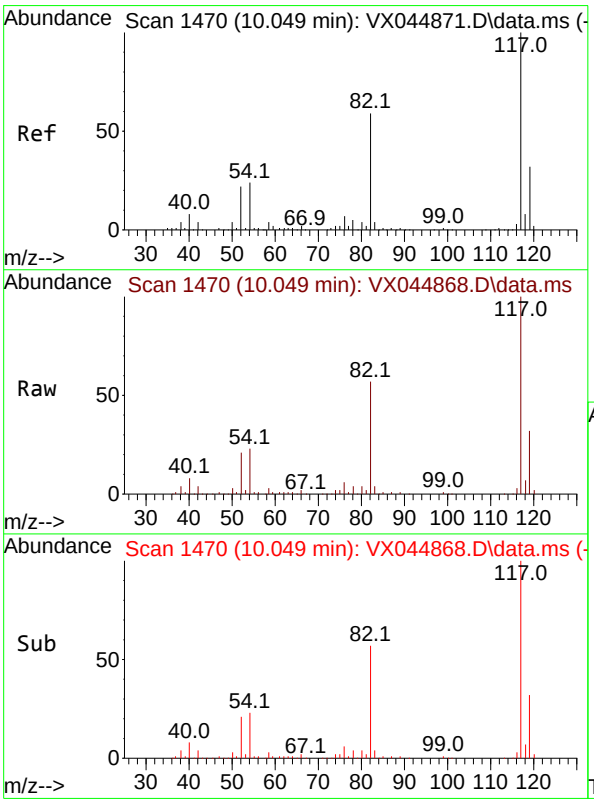
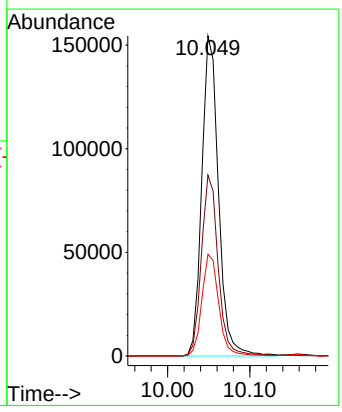
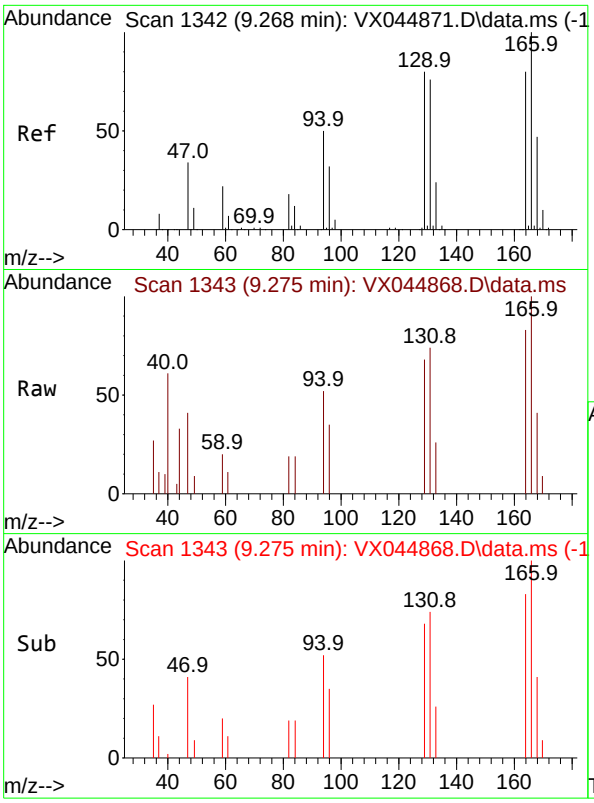


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:117 Resp: 218570

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.5	71.3
119	31.8	25.4	38.0

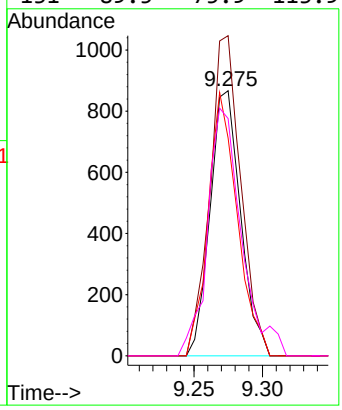




#64
Tetrachloroethene
Concen: 0.971 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:164 Resp: 133

Ion	Ratio	Lower	Upper
164	100		
166	120.8	100.4	150.6
129	82.1	79.9	119.9
131	89.5	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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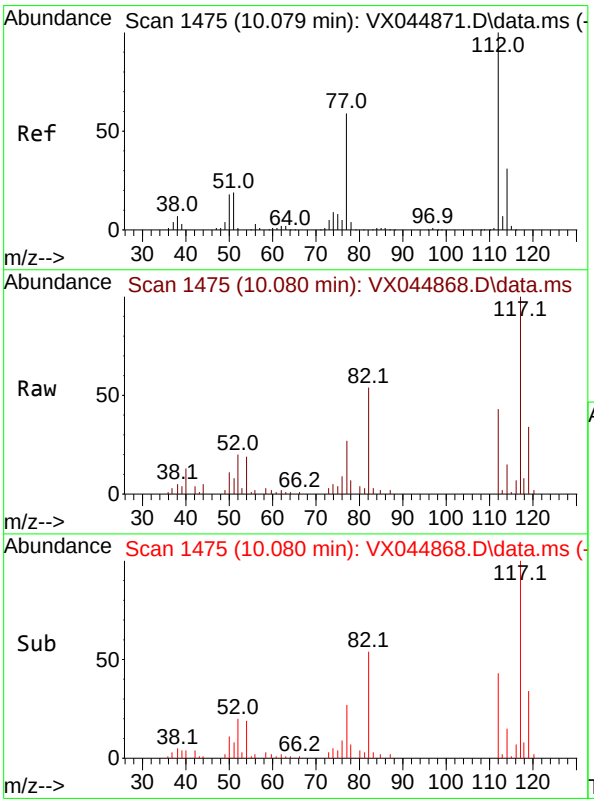
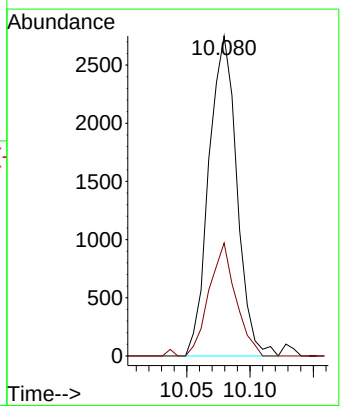
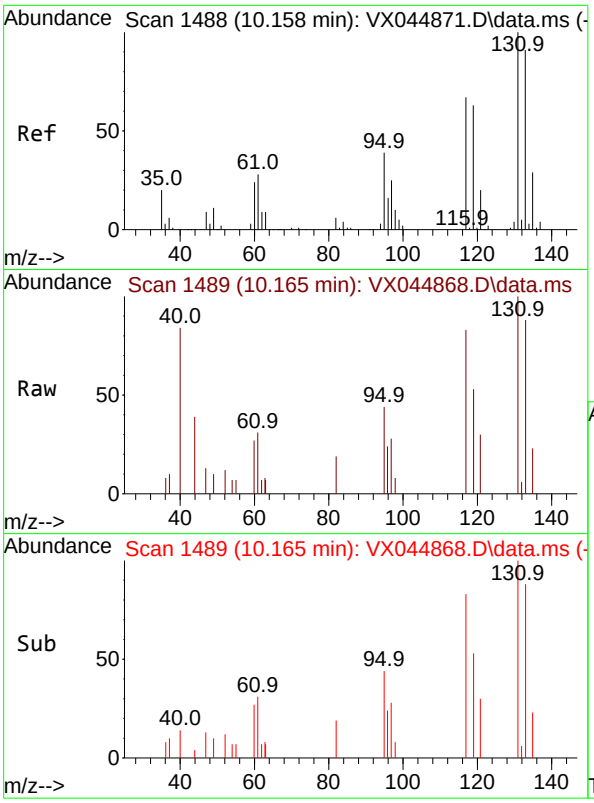


#65
Chlorobenzene
Concen: 0.902 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:112 Resp: 4234

Ion	Ratio	Lower	Upper
112	100		
114	35.3	25.0	37.6





#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 10.165 min Scan# 14
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:131 Resp: 132

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.1	141.3
119	0.0	33.6	100.6#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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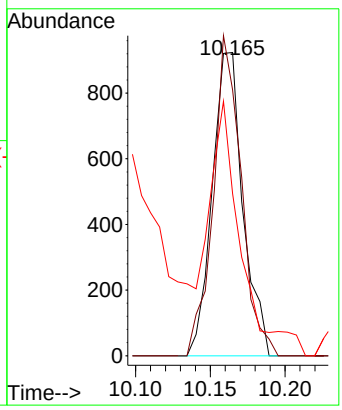
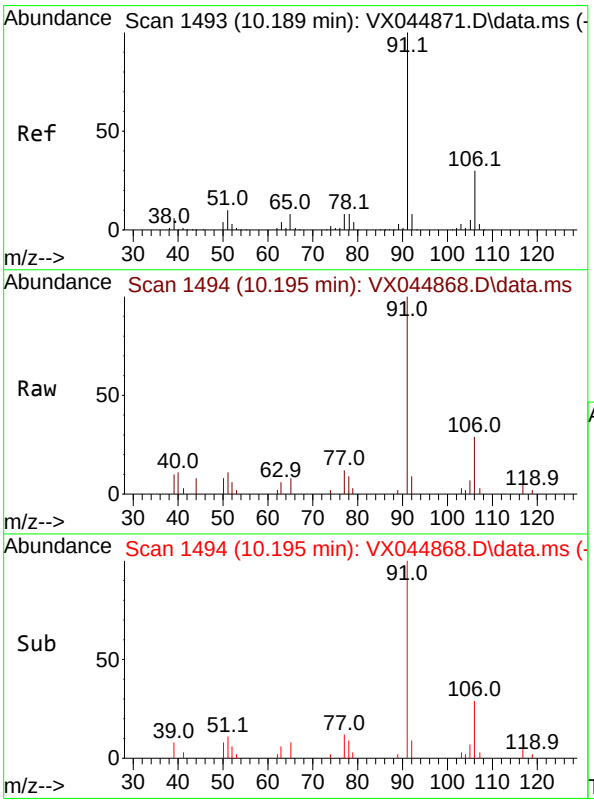
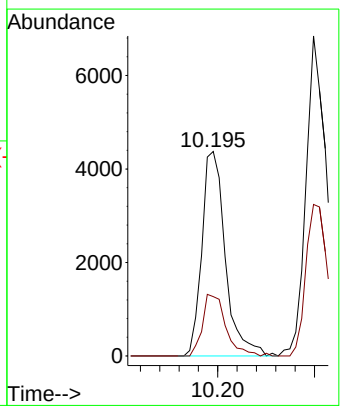


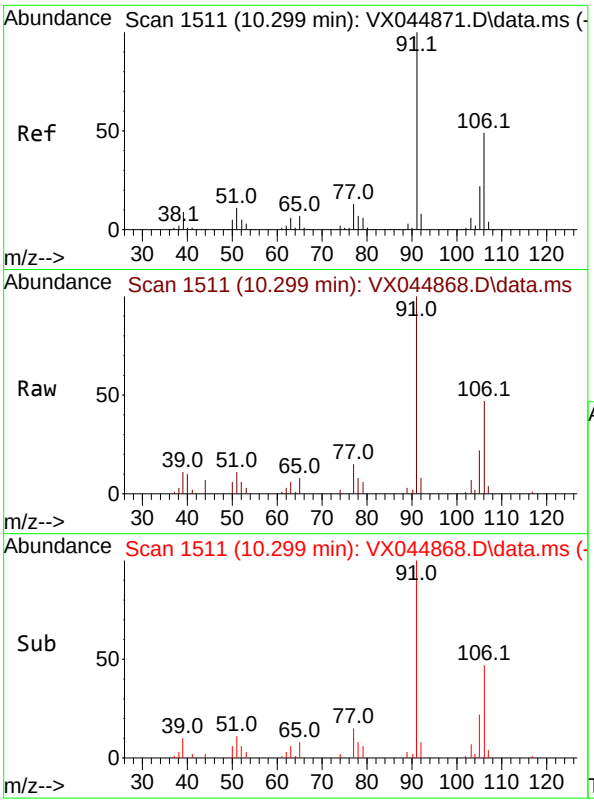


#67
Ethyl Benzene
Concen: 0.892 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 7388

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.9	35.9





#68
m/p-Xylenes
Concen: 1.763 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:106 Resp: 538

Ion	Ratio	Lower	Upper
106	100		
91	204.7	164.3	246.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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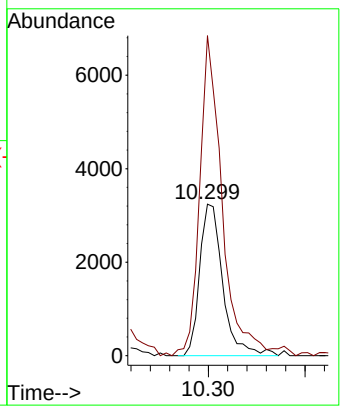
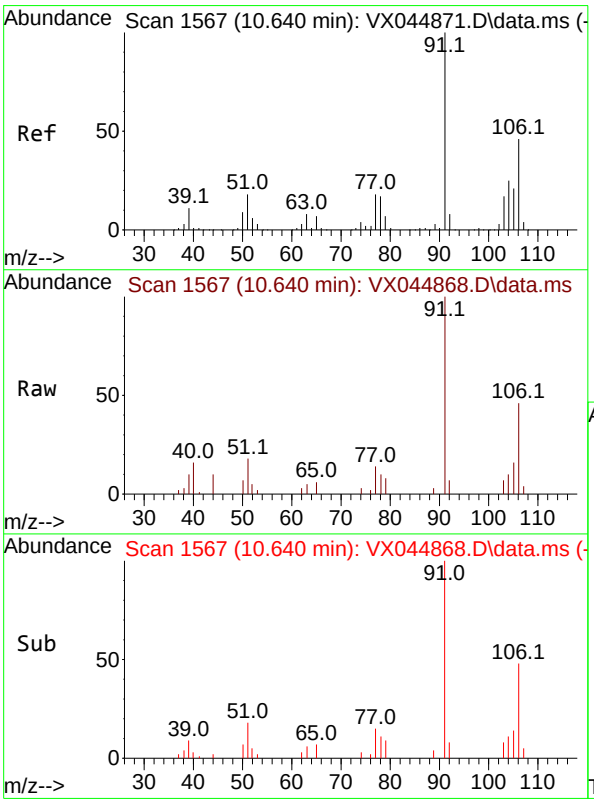
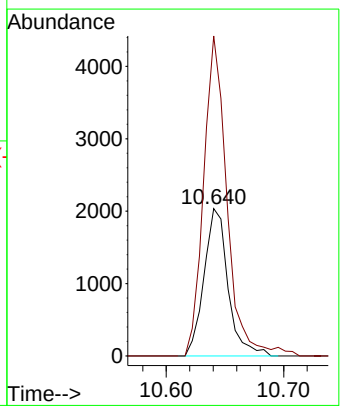


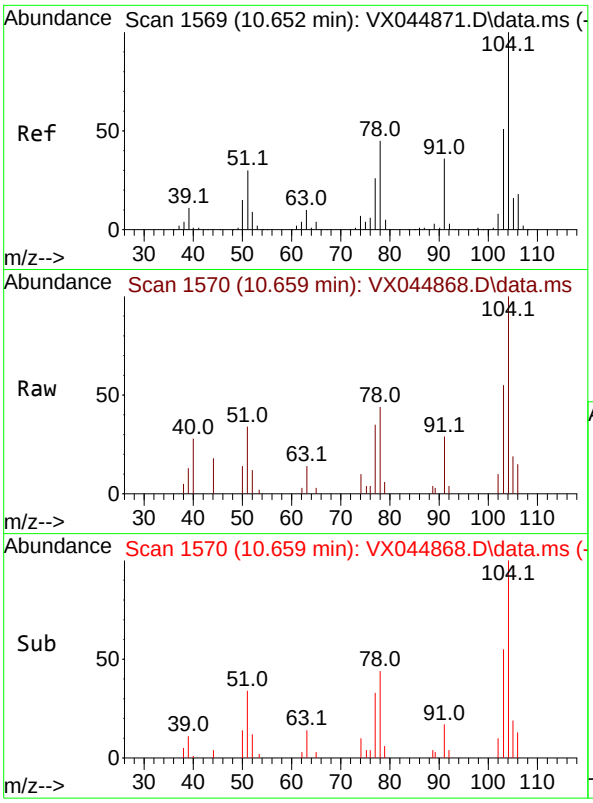


#69
o-Xylene
Concen: 0.942 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:106 Resp: 2889

Ion	Ratio	Lower	Upper
106	100		
91	211.5	108.5	325.5

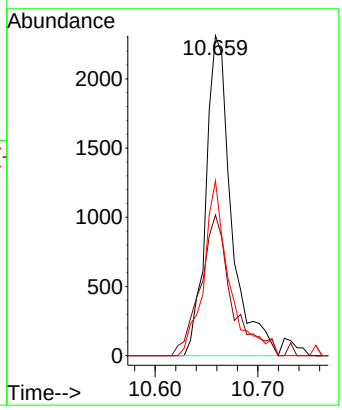




#70
Styrene
Concen: 0.804 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:104 Resp: 397

Ion	Ratio	Lower	Upper
104	100		
78	54.1	40.5	60.7
103	55.0	43.6	65.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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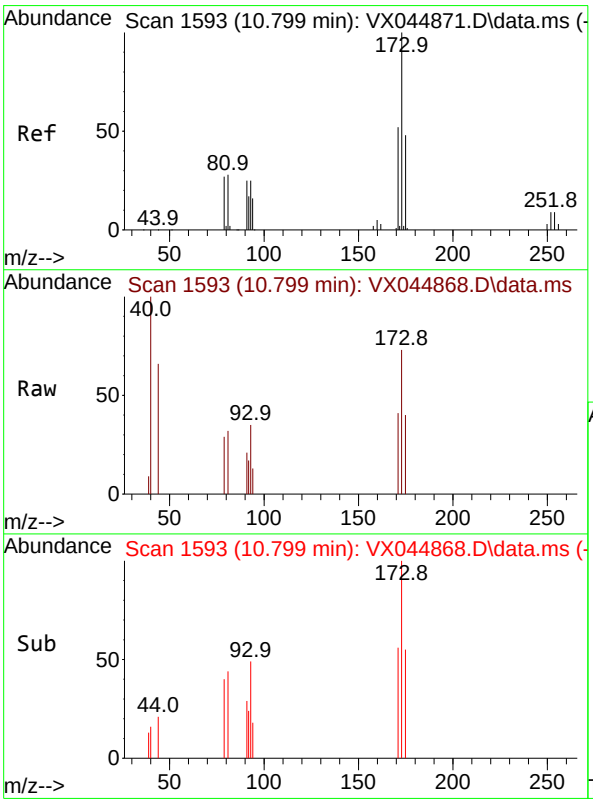
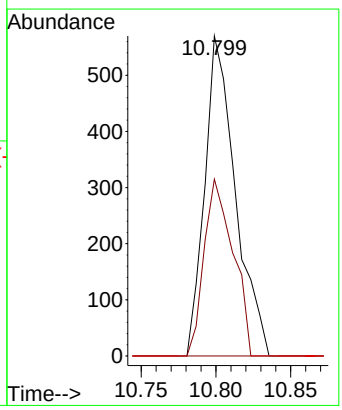
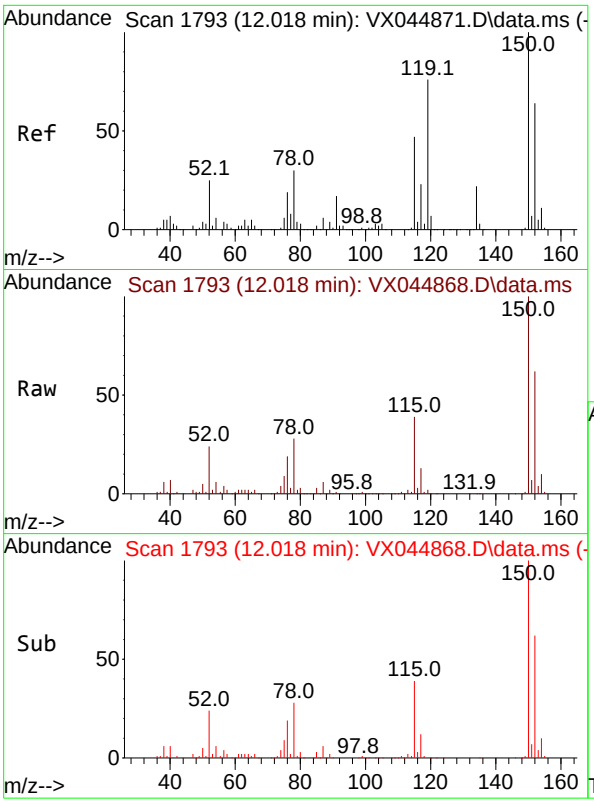


#71
Bromoform
Concen: 0.721 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:173 Resp: 813

Ion	Ratio	Lower	Upper
173	100		
175	52.2	24.3	72.8
254	0.0	0.0	0.0

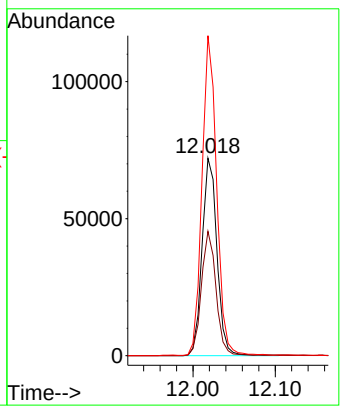




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:152 Resp: 9073

Ion	Ratio	Lower	Upper
152	100		
115	62.0	43.4	130.1
150	158.6	0.0	350.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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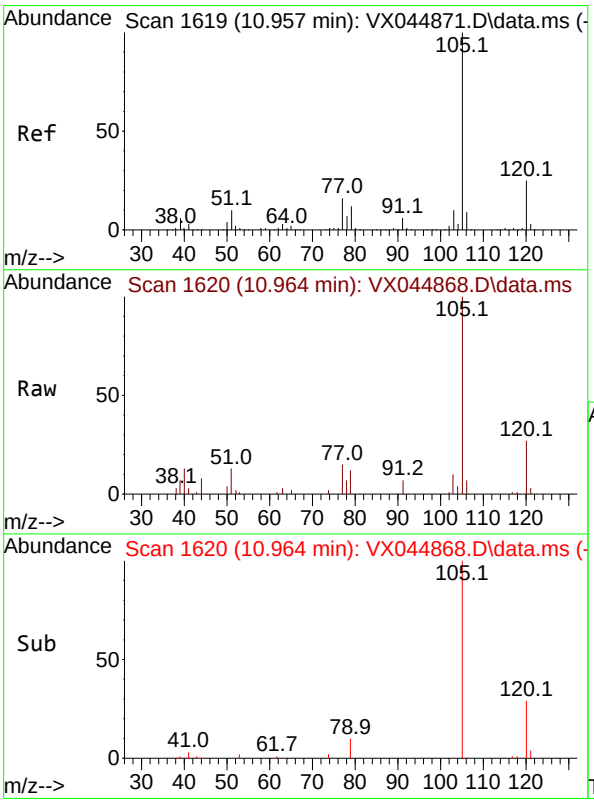
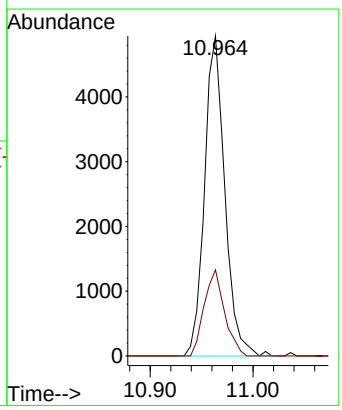
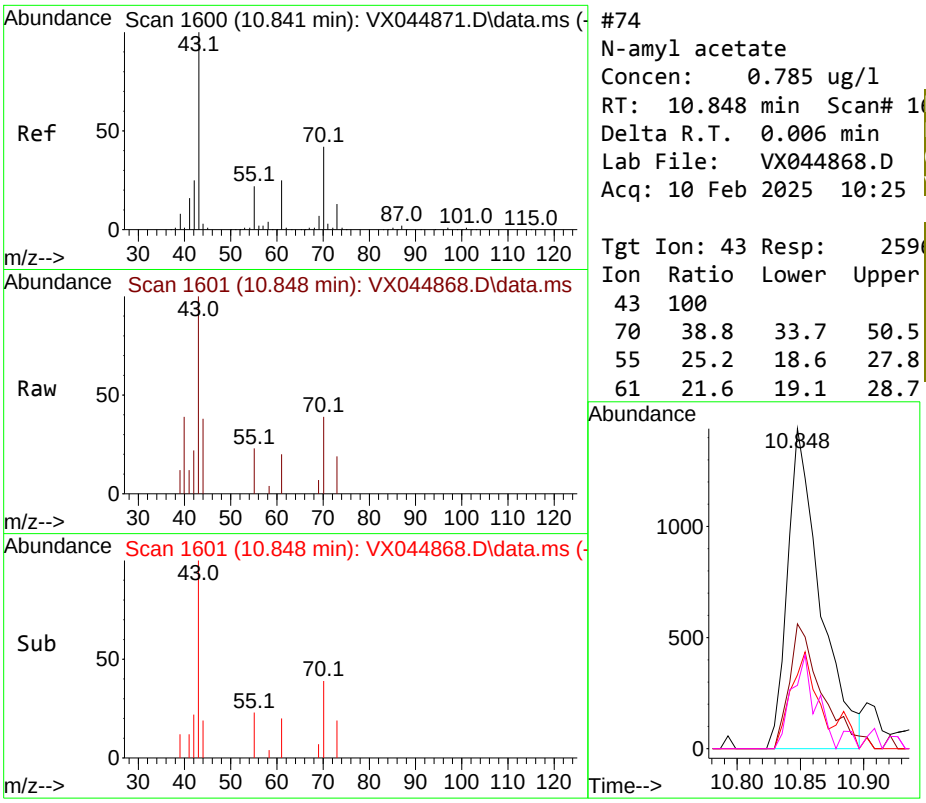


#73
Isopropylbenzene
Concen: 0.928 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:105 Resp: 6778

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.2	39.5





#74
N-amyl acetate
Concen: 0.785 ug/l
RT: 10.848 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 259

Ion	Ratio	Lower	Upper
43	100		
70	38.8	33.7	50.5
55	25.2	18.6	27.8
61	21.6	19.1	28.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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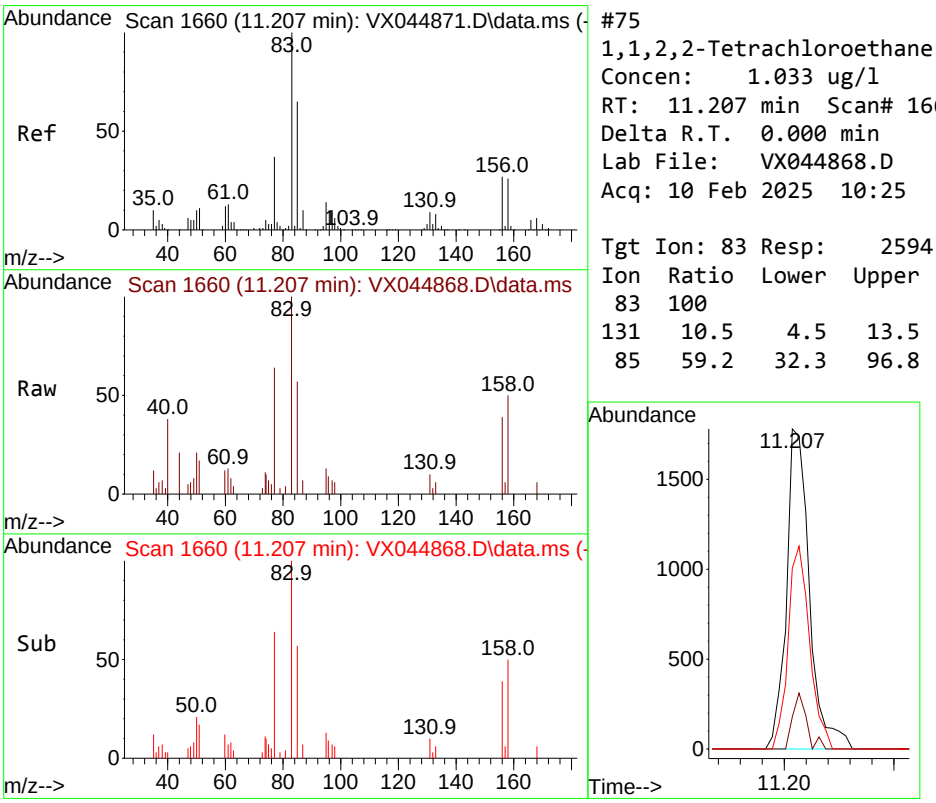
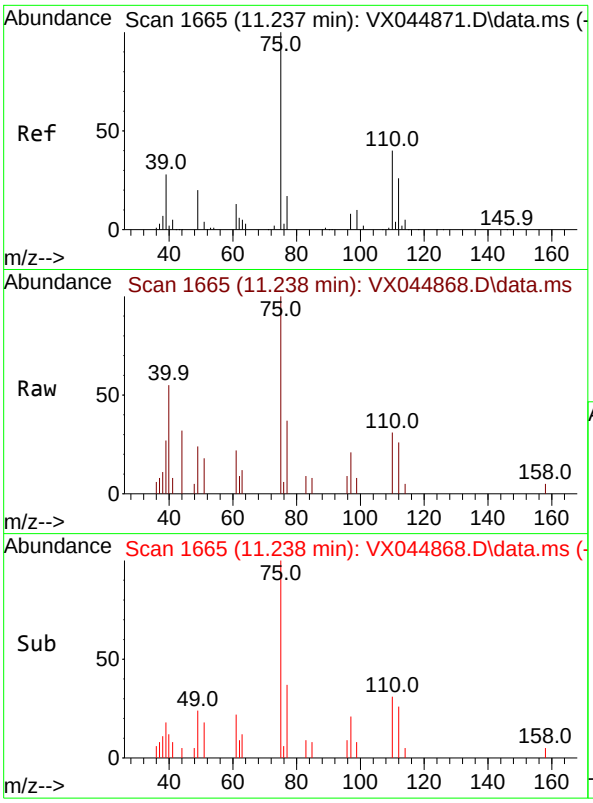


#75
1,1,2,2-Tetrachloroethane
Concen: 1.033 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 83 Resp: 2594

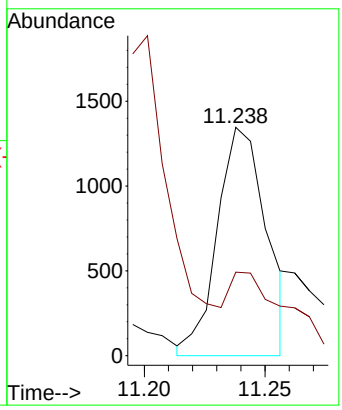
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.5	13.5
85	59.2	32.3	96.8



#76
1,2,3-Trichloropropane
Concen: 0.943 ug/l m
RT: 11.238 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 189

Ion	Ratio	Lower	Upper
75	100		
77	43.4	21.9	65.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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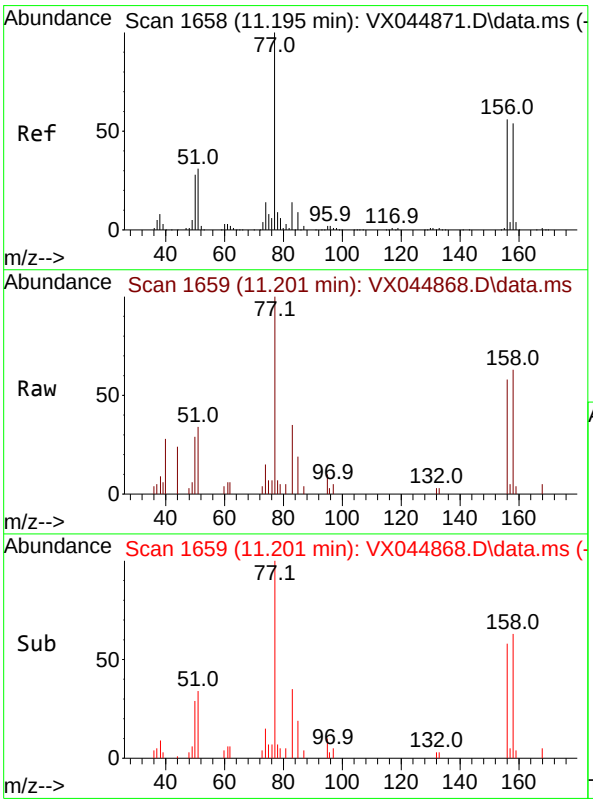
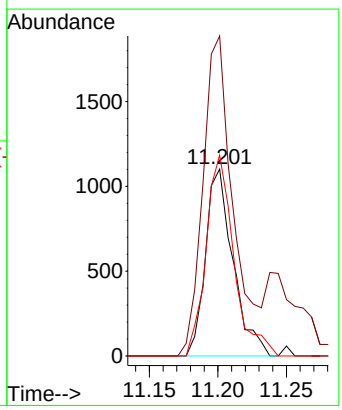
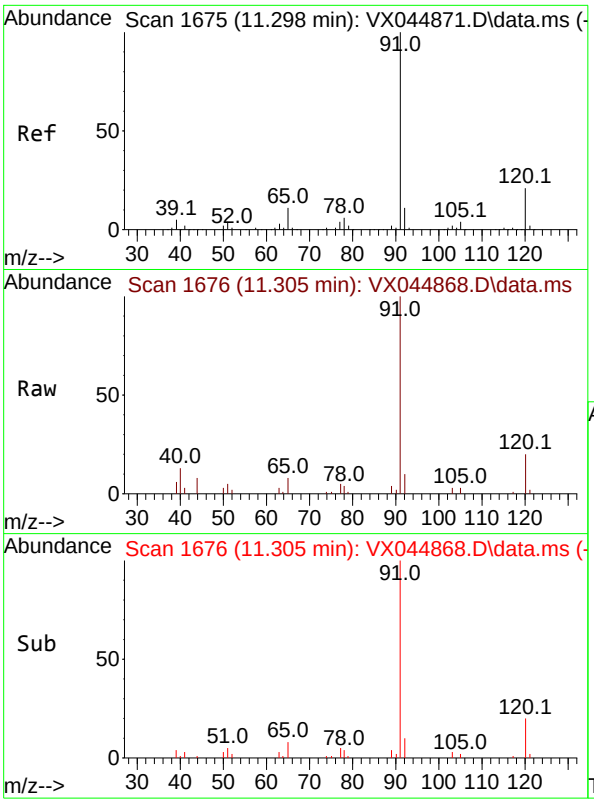


#77
Bromobenzene
Concen: 0.928 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:156 Resp: 1537

Ion	Ratio	Lower	Upper
156	100		
77	188.7	88.4	265.3
158	108.6	48.4	145.2





#78
n-propylbenzene
Concen: 0.871 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 734

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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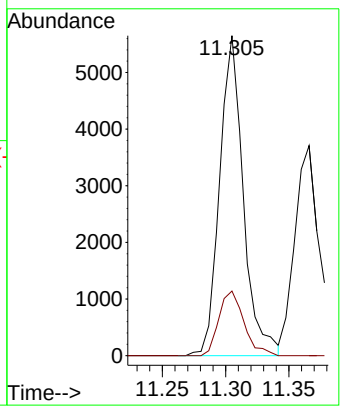
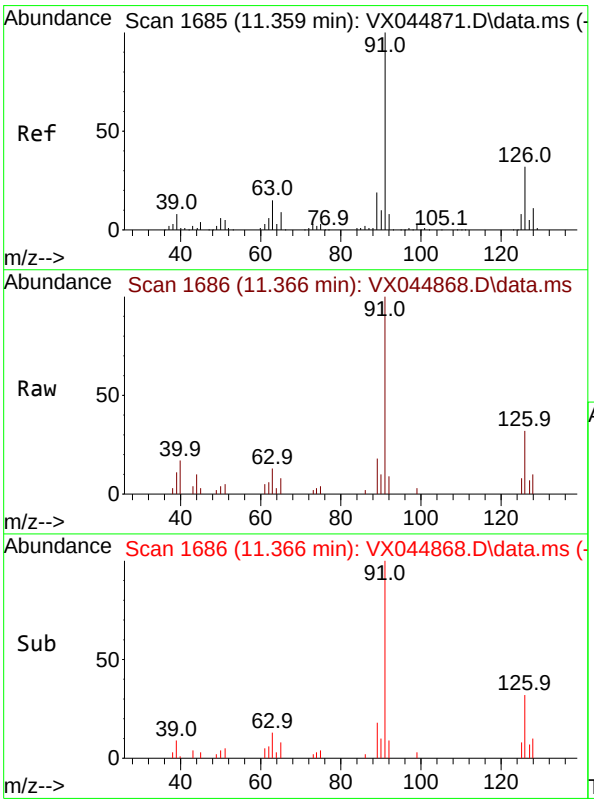
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

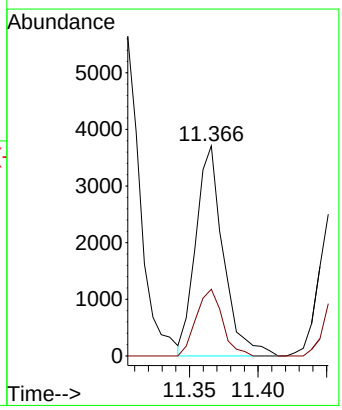


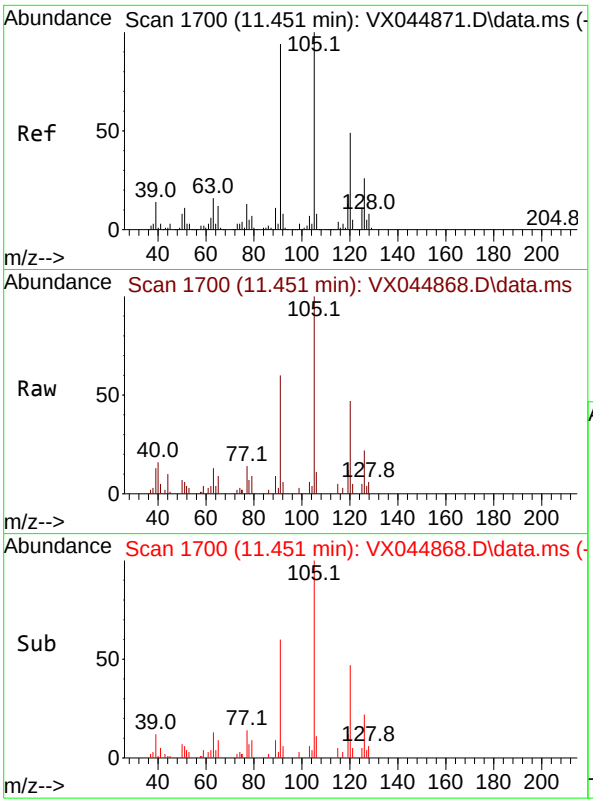


#79
2-Chlorotoluene
Concen: 1.001 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 5188

Ion	Ratio	Lower	Upper
91	100		
126	30.1	16.2	48.6





#80
1,3,5-Trimethylbenzene
Concen: 0.913 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:105 Resp: 541

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.0	72.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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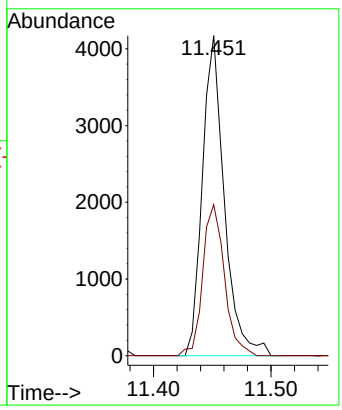
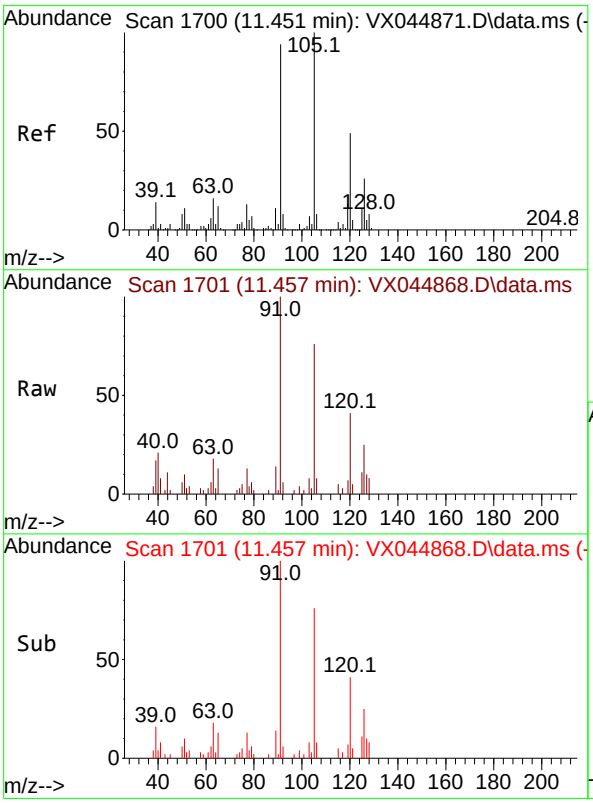
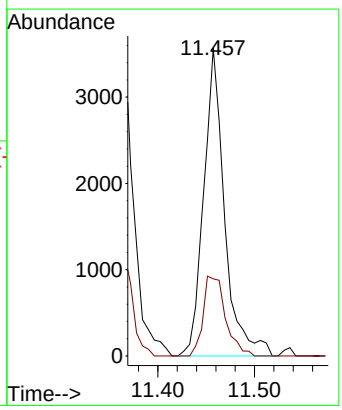


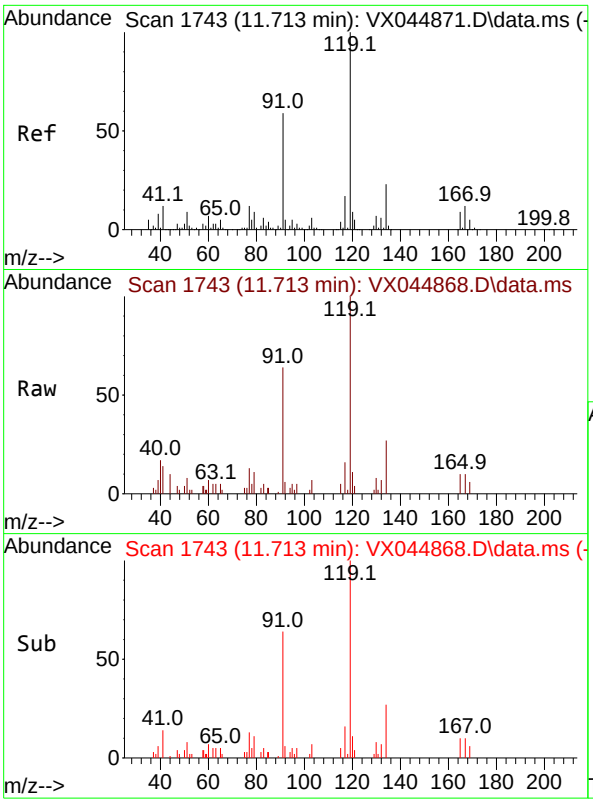


#82
4-Chlorotoluene
Concen: 0.936 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 5367

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.2	42.6

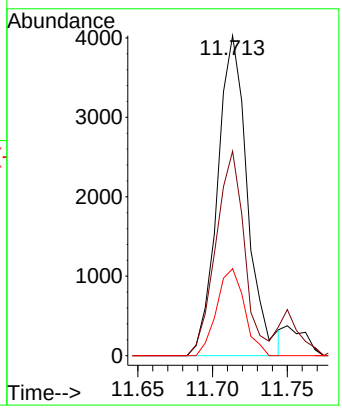




#83
tert-Butylbenzene
Concen: 0.937 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:119 Resp: 562

Ion	Ratio	Lower	Upper
119	100		
91	61.3	29.1	87.4
134	25.2	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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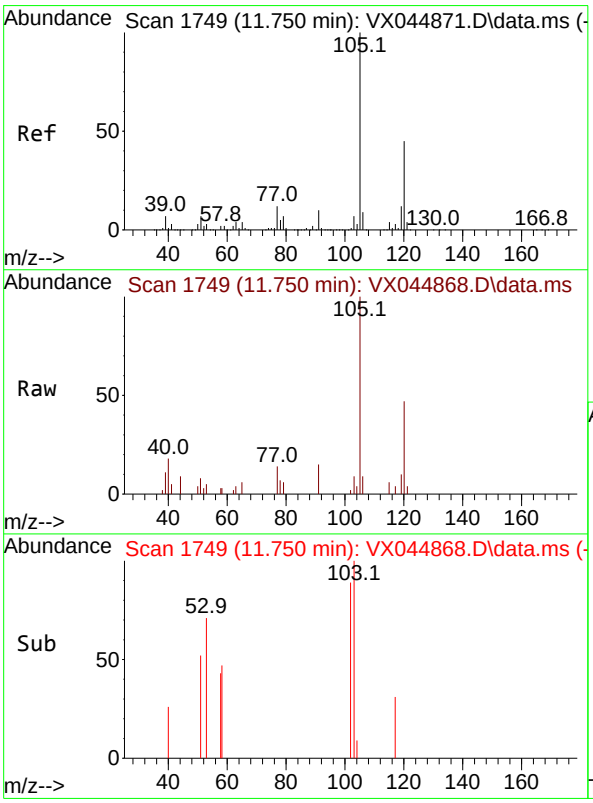
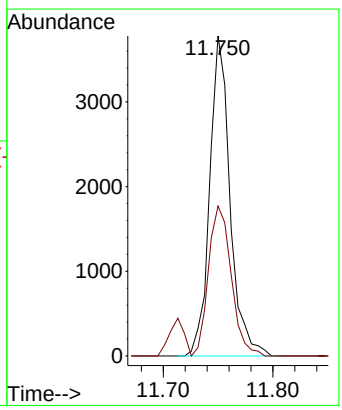
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

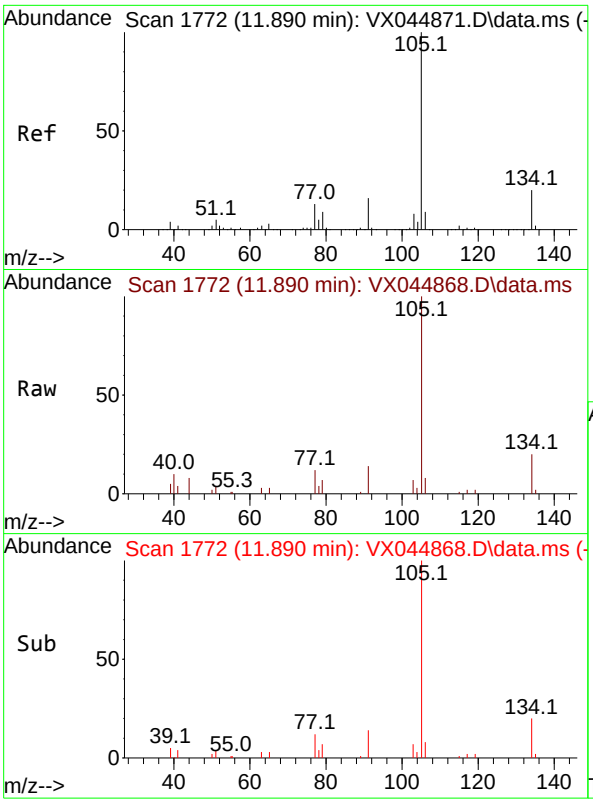


#84
1,2,4-Trimethylbenzene
Concen: 0.833 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:105 Resp: 4876

Ion	Ratio	Lower	Upper
105	100		
120	52.4	22.4	67.0

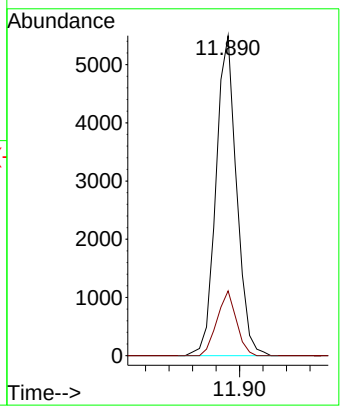




#85
sec-Butylbenzene
Concen: 0.902 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:105 Resp: 670

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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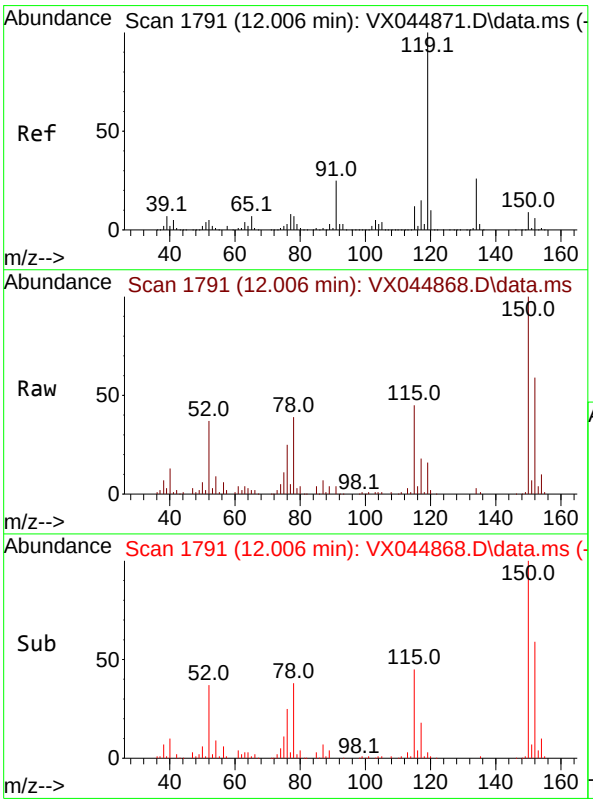
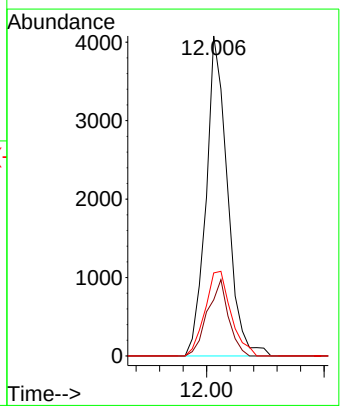
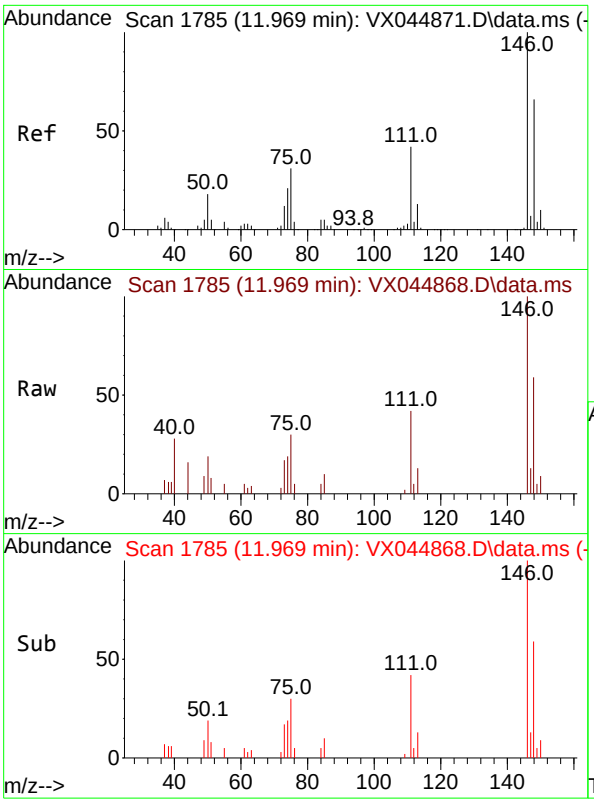


#86
p-Isopropyltoluene
Concen: 0.864 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:119 Resp: 5161

Ion	Ratio	Lower	Upper
119	100		
134	23.4	13.0	38.9
91	32.0	12.1	36.3

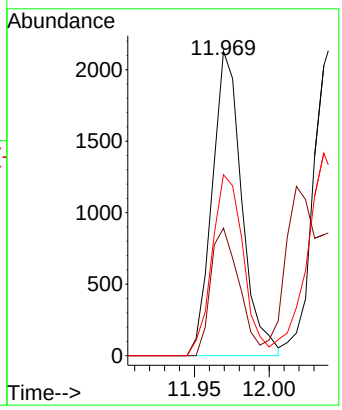




#87
1,3-Dichlorobenzene
Concen: 0.963 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:146 Resp: 293

Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.2	63.6
148	62.8	32.5	97.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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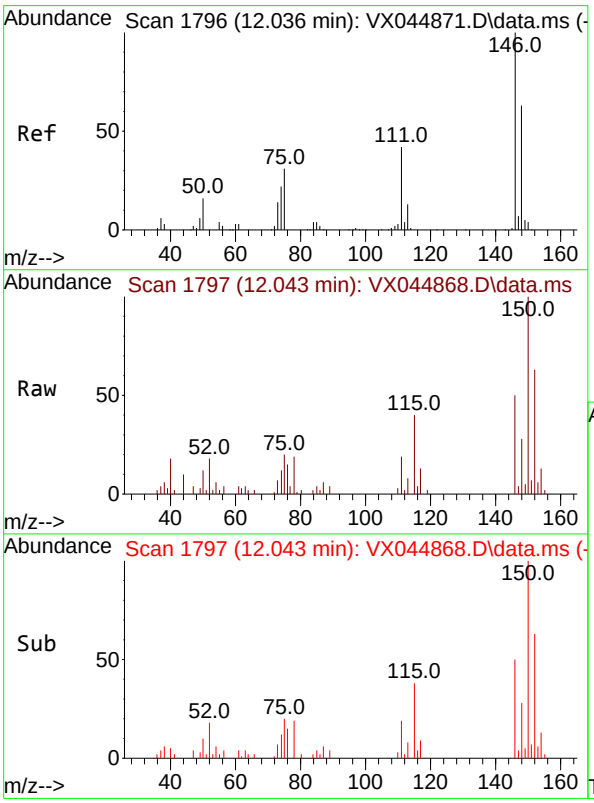
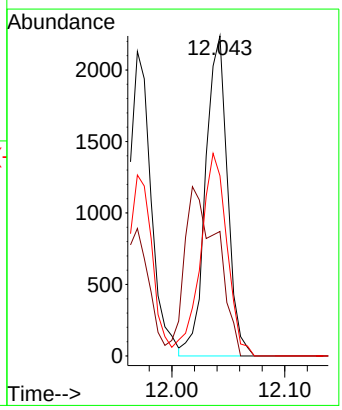
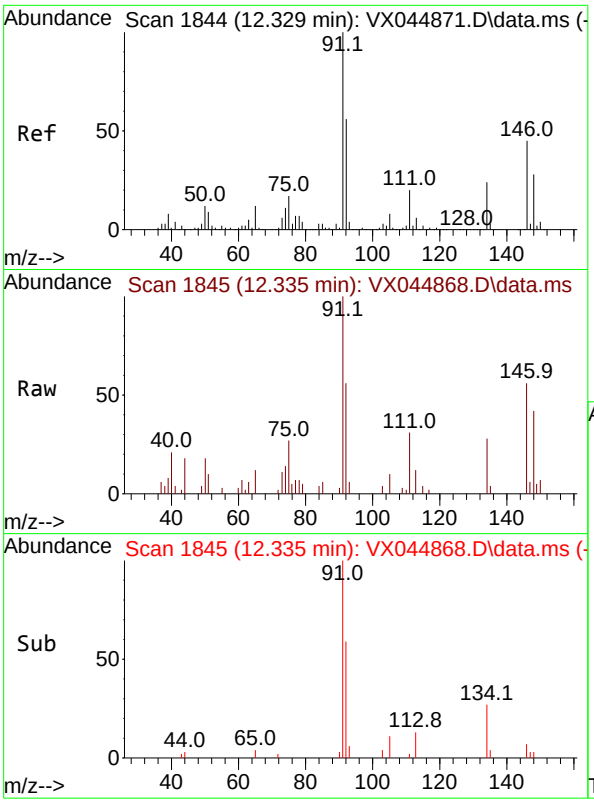


#88
1,4-Dichlorobenzene
Concen: 0.979 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:146 Resp: 3016

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.4	61.3
148	61.0	32.0	96.0

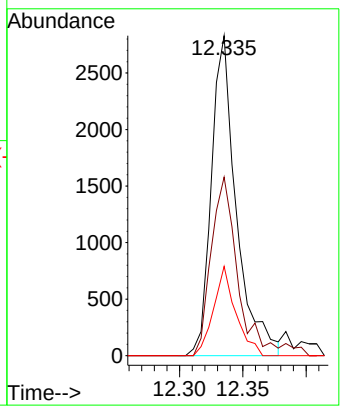




#89
n-Butylbenzene
Concen: 0.734 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 388

Ion	Ratio	Lower	Upper
91	100		
92	60.9	27.2	81.6
134	24.8	12.1	36.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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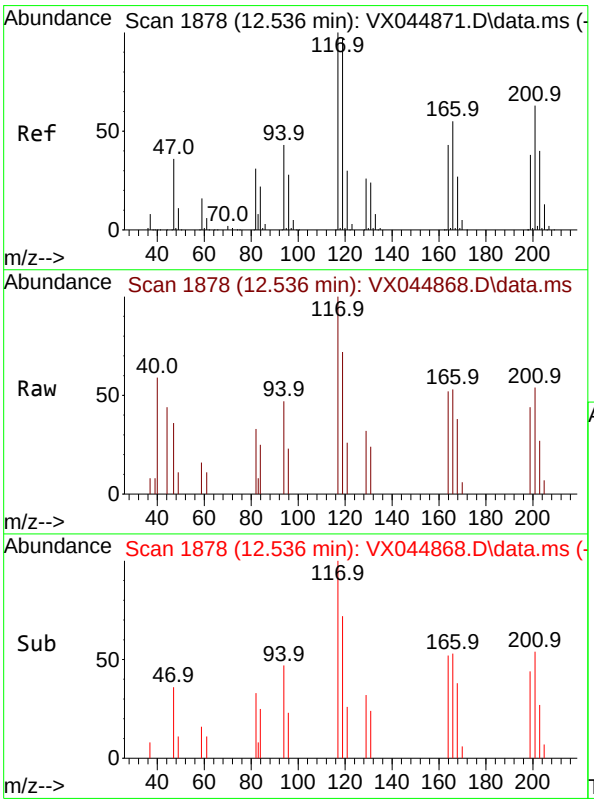
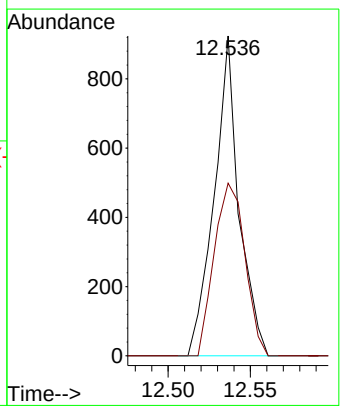
Supervised By :Mahesh Dadoda 02/11/2025

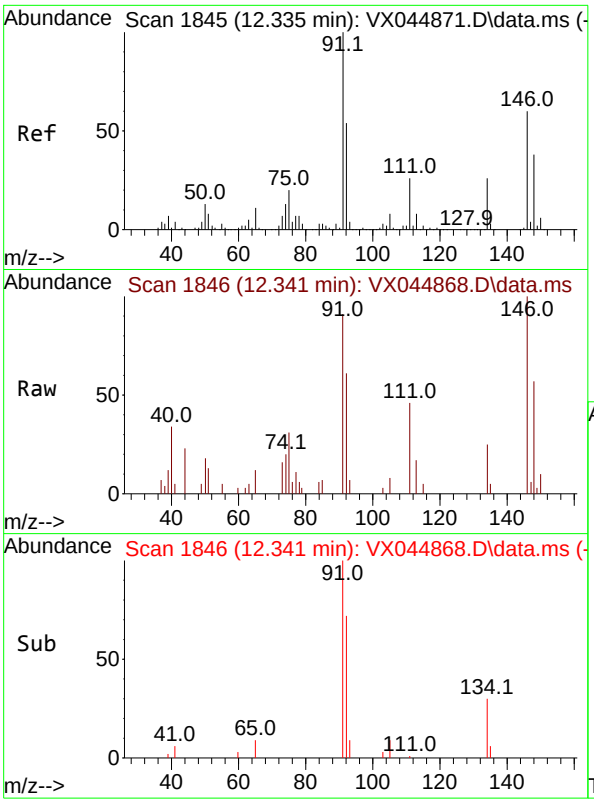


#90
Hexachloroethane
Concen: 0.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:117 Resp: 968

Ion	Ratio	Lower	Upper
117	100		
201	66.8	32.5	97.5

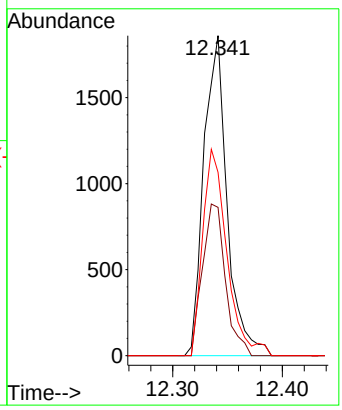




#91
1,2-Dichlorobenzene
Concen: 0.917 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:146 Resp: 274

Ion	Ratio	Lower	Upper
146	100		
111	46.7	21.8	65.4
148	67.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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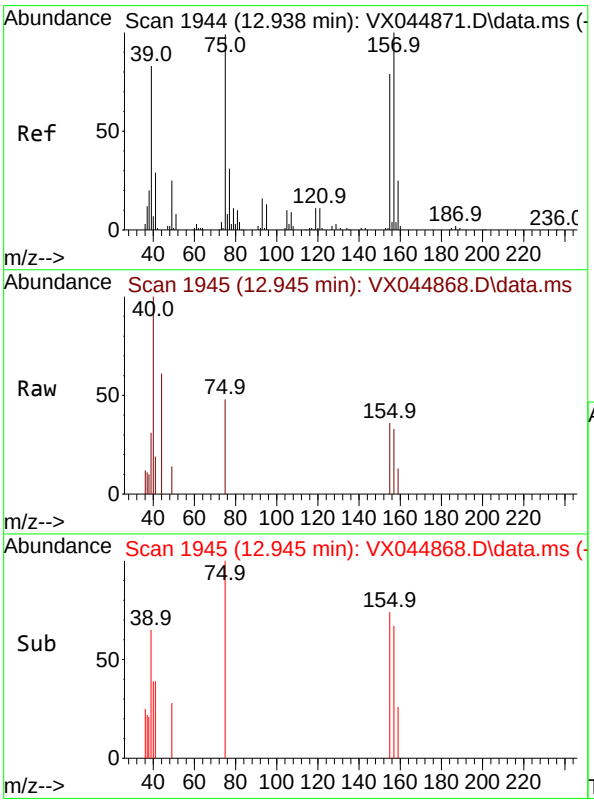
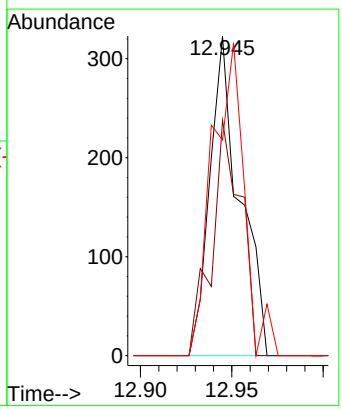
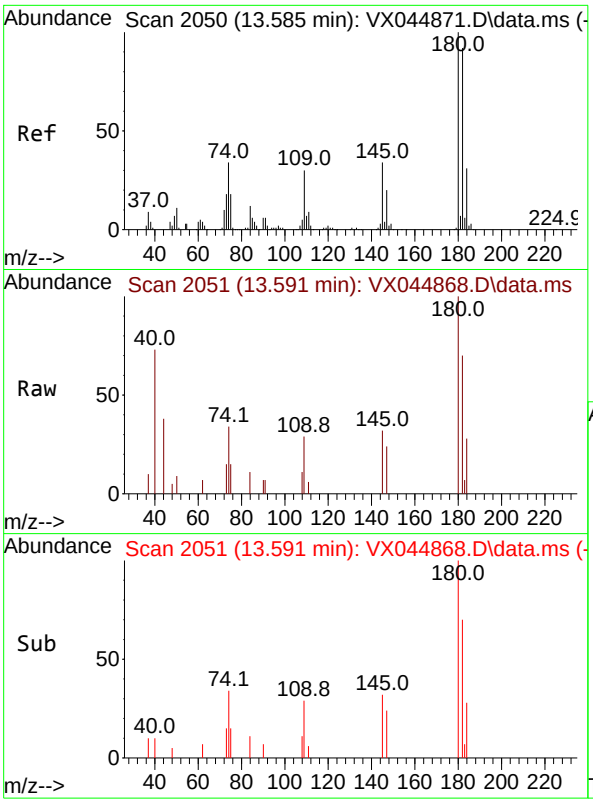


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.801 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 367

Ion	Ratio	Lower	Upper
75	100		
155	71.7	40.5	121.4
157	104.1	51.4	154.3





#93
1,2,4-Trichlorobenzene
Concen: 0.861 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:180 Resp: 156

Ion	Ratio	Lower	Upper
180	100		
182	78.7	47.6	142.8
145	30.4	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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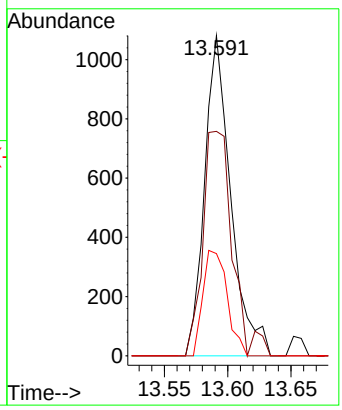
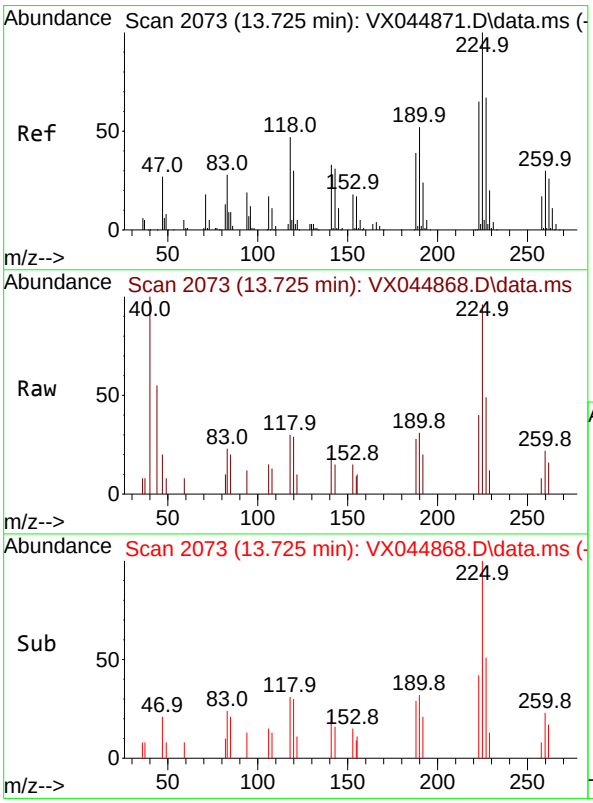
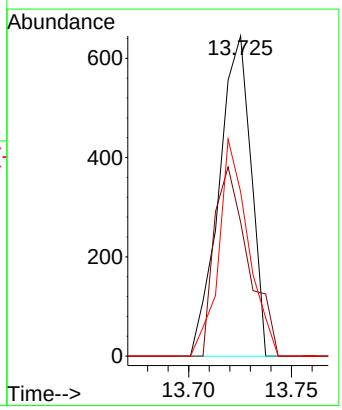


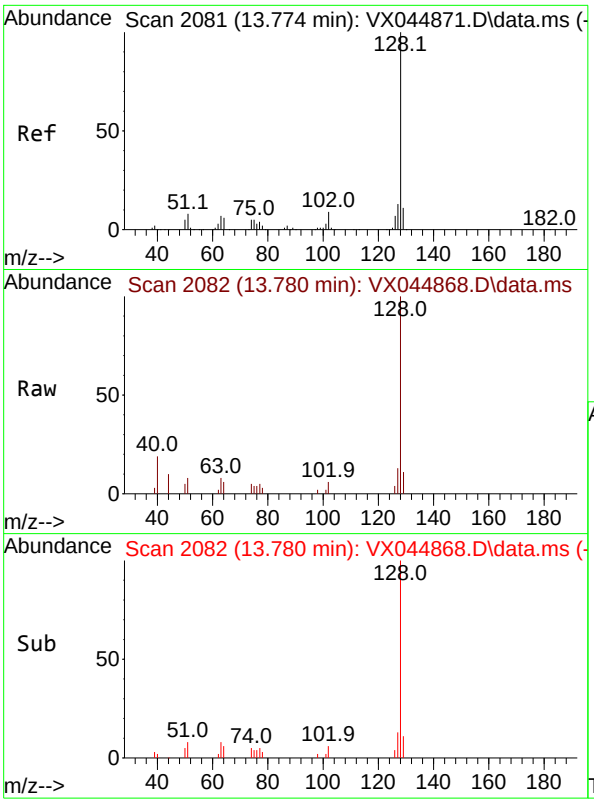


#94
Hexachlorobutadiene
Concen: 0.966 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:225 Resp: 695

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.2
227	62.6	32.3	96.8

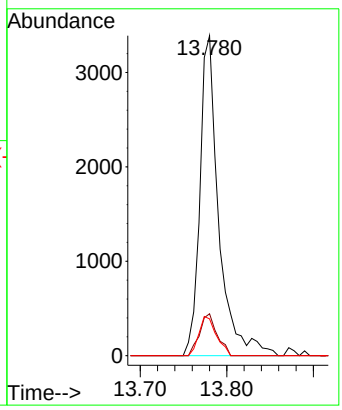




#95
Naphthalene
Concen: 0.783 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:128 Resp: 512

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.1	15.1
129	11.3	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
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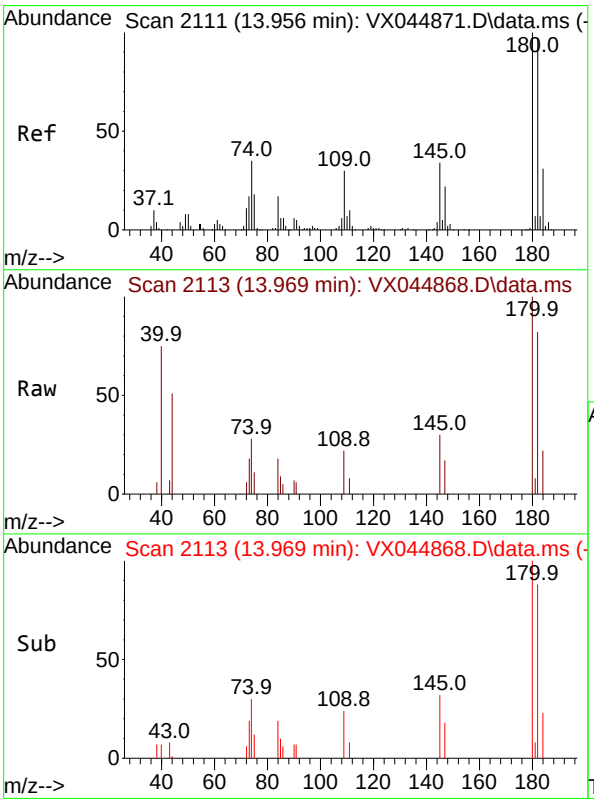
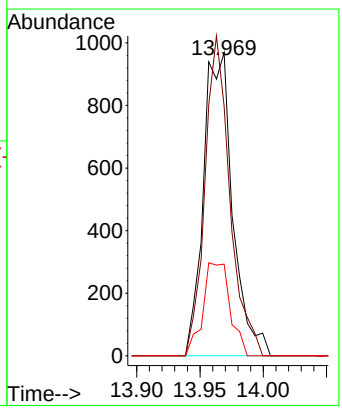


#96
1,2,3-Trichlorobenzene
Concen: 0.853 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:180 Resp: 1557

Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.9	143.6
145	28.5	17.1	51.3



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Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	136105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	10397	5.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.440%#		
35) Dibromofluoromethane	5.385	113	8482	5.150	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.300%#		
50) Toluene-d8	8.647	98	31381	5.039	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.080%#		
62) 4-Bromofluorobenzene	11.079	95	10229	4.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.740%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	9109	4.772	ug/l	94
3) Chloromethane	1.301	50	11711	5.041	ug/l	97
4) Vinyl Chloride	1.374	62	11509	5.113	ug/l	94
5) Bromomethane	1.593	94	3371	5.005	ug/l	89
6) Chloroethane	1.660	64	3918m	4.973	ug/l	
7) Trichlorofluoromethane	1.868	101	14506	5.096	ug/l	100
8) Diethyl Ether	2.136	74	5062	4.904	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	8805	5.120	ug/l	98
10) Methyl Iodide	2.447	142	10233	4.591	ug/l	99
11) Tert butyl alcohol	2.983	59	10044	27.175	ug/l	100
12) 1,1-Dichloroethene	2.307	96	8692	4.955	ug/l	95
13) Acrolein	2.239	56	9750	25.567	ug/l	98
14) Allyl chloride	2.660	41	15649	4.936	ug/l	98
15) Acrylonitrile	3.062	53	24101	24.422	ug/l	98
16) Acetone	2.386	43	19877	24.817	ug/l	99
17) Carbon Disulfide	2.502	76	23568	4.899	ug/l	98
18) Methyl Acetate	2.703	43	12257	4.850	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	28100	5.034	ug/l	99
20) Methylene Chloride	2.782	84	9757	4.973	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	8470	4.906	ug/l	94
22) Diisopropyl ether	3.757	45	29768	4.963	ug/l #	80
23) Vinyl Acetate	3.721	43	119108	24.358	ug/l	98
24) 1,1-Dichloroethane	3.605	63	17113	5.099	ug/l	98
25) 2-Butanone	4.568	43	32121	24.698	ug/l	98
26) 2,2-Dichloropropane	4.459	77	13365	5.022	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	10662	5.141	ug/l	95
28) Bromochloromethane	4.898	49	7881	4.886	ug/l #	96
29) Tetrahydrofuran	5.013	42	21097	24.429	ug/l	98
30) Chloroform	5.087	83	16449	5.054	ug/l	98
31) Cyclohexane	5.464	56	15705	5.076	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	13658	4.947	ug/l	98
36) 1,1-Dichloropropene	5.684	75	11835	4.981	ug/l	98
37) Ethyl Acetate	4.721	43	13530	5.122	ug/l	99
38) Carbon Tetrachloride	5.672	117	11797	5.066	ug/l	97
39) Methylcyclohexane	7.373	83	14472	4.711	ug/l	96
40) Benzene	6.038	78	37687	5.079	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	6648	4.699	ug/l		96
42) 1,2-Dichloroethane	6.086	62	11789	4.985	ug/l		100
43) Isopropyl Acetate	6.342	43	19803	4.640	ug/l		99
44) Trichloroethene	7.123	130	8614	5.079	ug/l		95
45) 1,2-Dichloropropane	7.428	63	8976	4.863	ug/l		98
46) Dibromomethane	7.586	93	6210	4.851	ug/l		95
47) Bromodichloromethane	7.818	83	12173	4.911	ug/l		94
48) Methyl methacrylate	7.702	41	9298	4.620	ug/l		98
49) 1,4-Dioxane	7.678	88	4365	101.099	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	65064	25.076	ug/l		100
52) Toluene	8.720	92	22090	4.999	ug/l		96
53) t-1,3-Dichloropropene	8.976	75	11413	4.550	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	12943	4.628	ug/l	#	88
55) 1,1,2-Trichloroethane	9.153	97	8662	5.099	ug/l		98
56) Ethyl methacrylate	9.116	69	12351	4.502	ug/l		96
57) 1,3-Dichloropropane	9.305	76	14839	4.993	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	31498	23.382	ug/l		99
59) 2-Hexanone	9.433	43	45538	24.359	ug/l		99
60) Dibromochloromethane	9.519	129	8668	4.771	ug/l		99
61) 1,2-Dibromoethane	9.610	107	8353	4.852	ug/l		96
64) Tetrachloroethene	9.269	164	6803	4.934	ug/l		95
65) Chlorobenzene	10.079	112	23903	5.090	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	7380	4.883	ug/l		97
67) Ethyl Benzene	10.189	91	40945	4.941	ug/l		97
68) m/p-Xylenes	10.299	106	30627	10.019	ug/l		100
69) o-Xylene	10.640	106	15761	5.139	ug/l		98
70) Styrene	10.653	104	24576	4.973	ug/l		99
71) Bromoform	10.799	173	5391	4.779	ug/l	#	97
73) Isopropylbenzene	10.957	105	38315	4.983	ug/l		100
74) N-amyl acetate	10.842	43	16653	4.786	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	13394	5.069	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	11011m	5.201	ug/l		
77) Bromobenzene	11.195	156	8789	5.042	ug/l		97
78) n-propylbenzene	11.305	91	43923	4.949	ug/l		99
79) 2-Chlorotoluene	11.360	91	27311	5.007	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	31761	5.090	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	3303	4.013	ug/l		87
82) 4-Chlorotoluene	11.451	91	30138	4.994	ug/l		99
83) tert-Butylbenzene	11.713	119	31992	5.068	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	31053	5.042	ug/l		98
85) sec-Butylbenzene	11.890	105	38437	4.917	ug/l		98
86) p-Isopropyltoluene	12.006	119	30835	4.905	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	15935	4.971	ug/l		95
88) 1,4-Dichlorobenzene	12.036	146	16347	5.043	ug/l		95
89) n-Butylbenzene	12.329	91	25747	4.630	ug/l		97
90) Hexachloroethane	12.536	117	5620	4.775	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	16362	5.193	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2254	4.674	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	8923	4.680	ug/l		99
94) Hexachlorobutadiene	13.719	225	3595	4.750	ug/l		99
95) Naphthalene	13.774	128	32776	4.756	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	9093	4.733	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

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

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

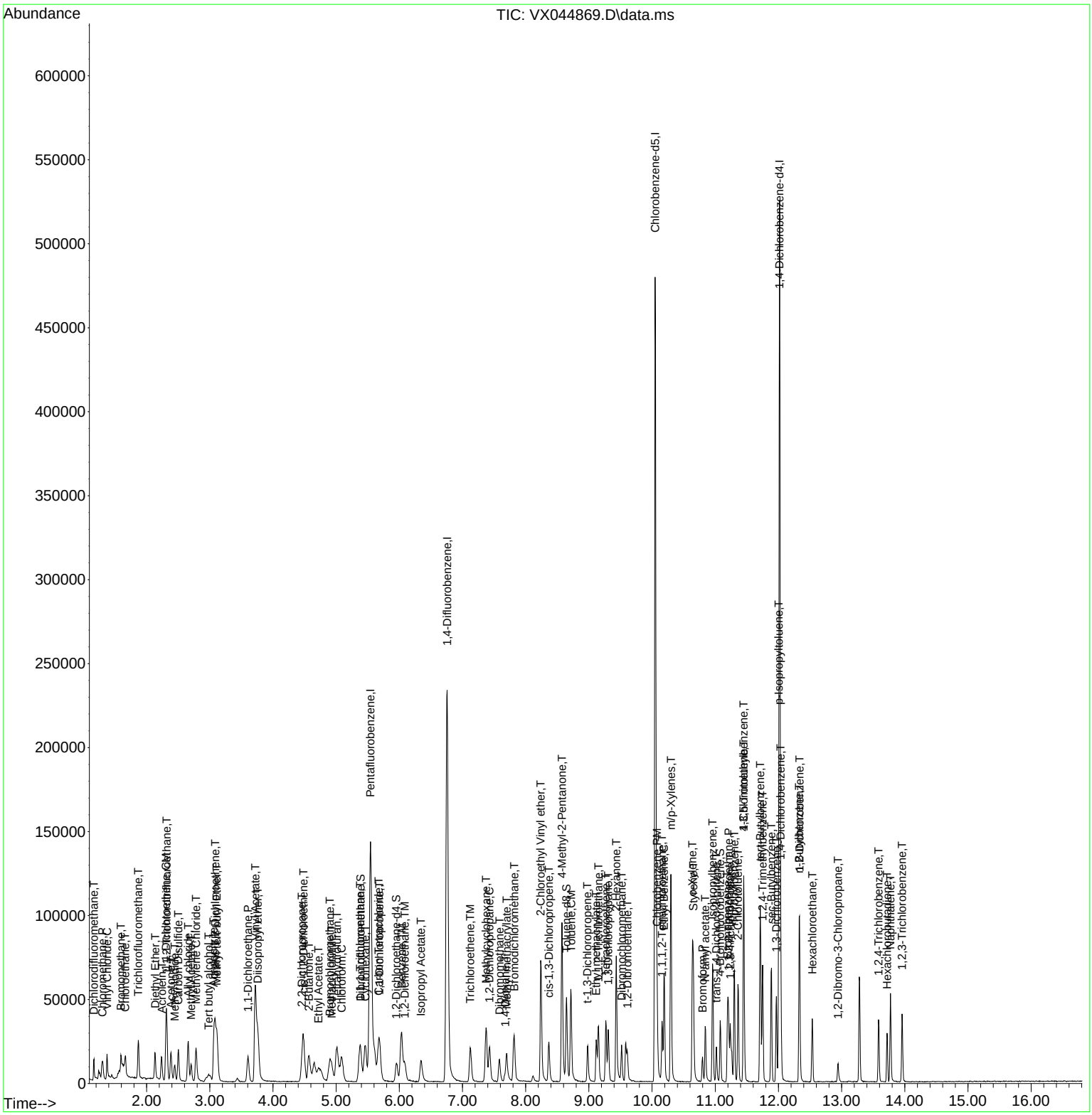
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

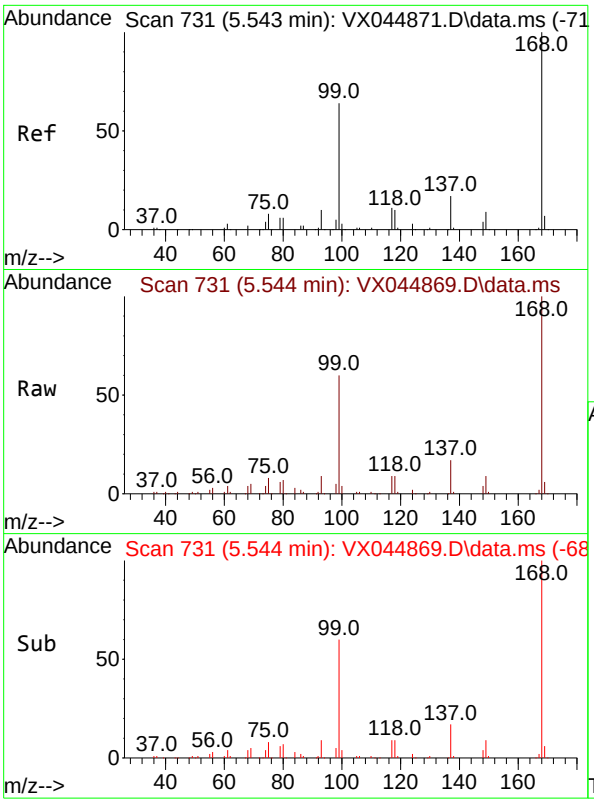
Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

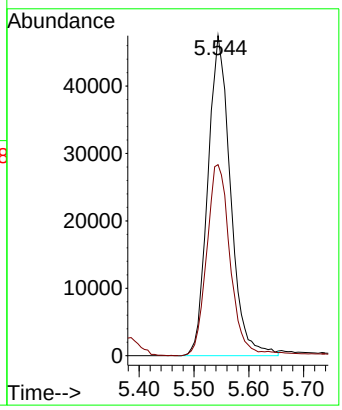




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:168 Resp: 13610

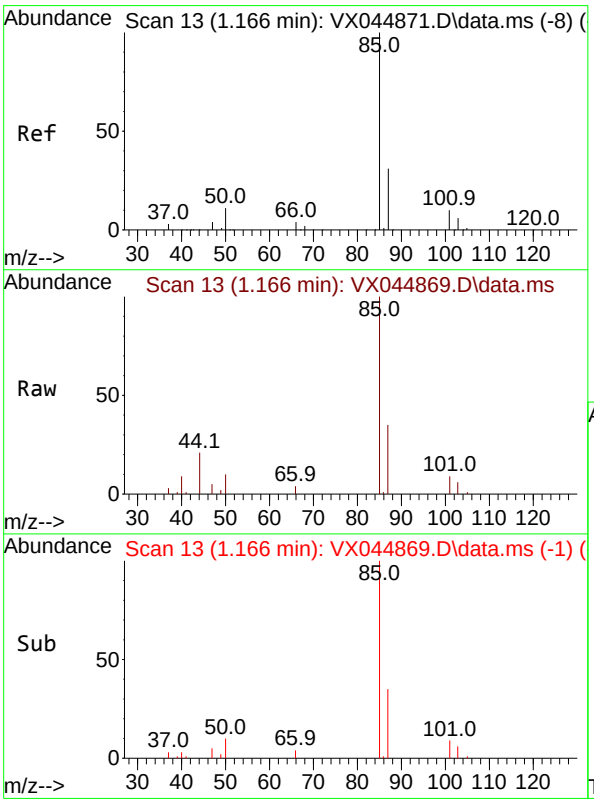
Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

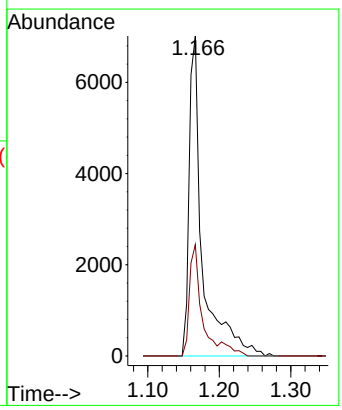
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

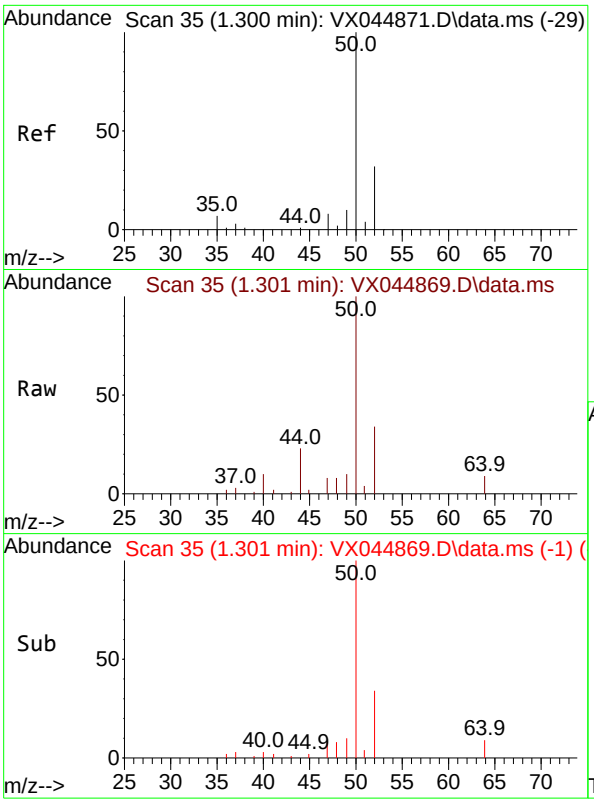


#2
Dichlorodifluoromethane
Concen: 4.772 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 85 Resp: 9109

Ion	Ratio	Lower	Upper
85	100		
87	34.8	15.8	47.3

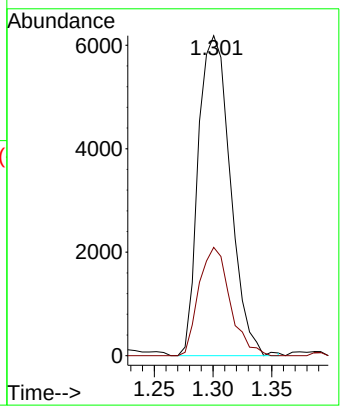




#3
Chloromethane
Concen: 5.041 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 50 Resp: 1171

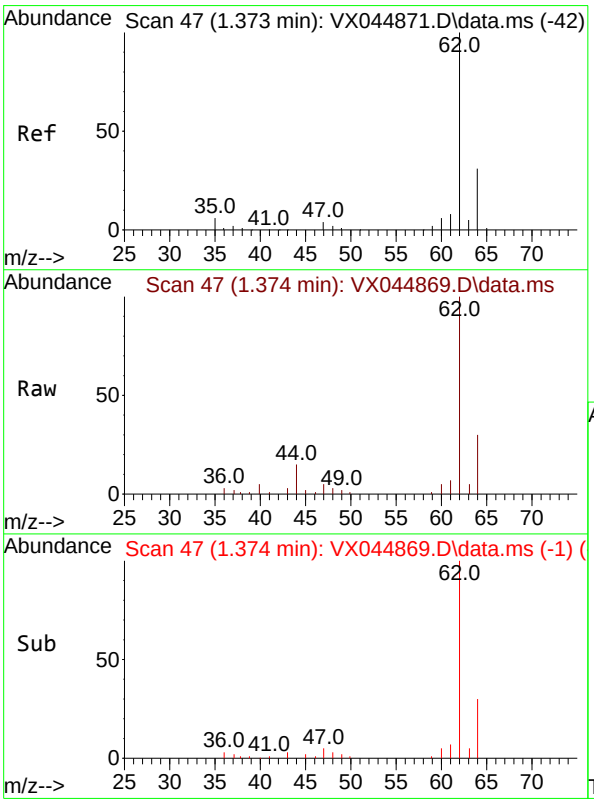
Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

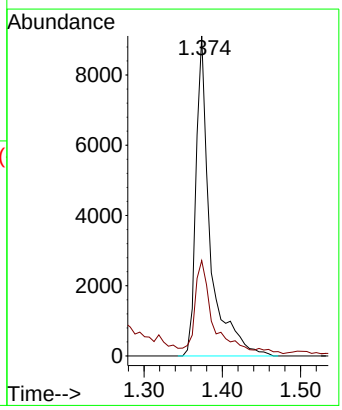
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

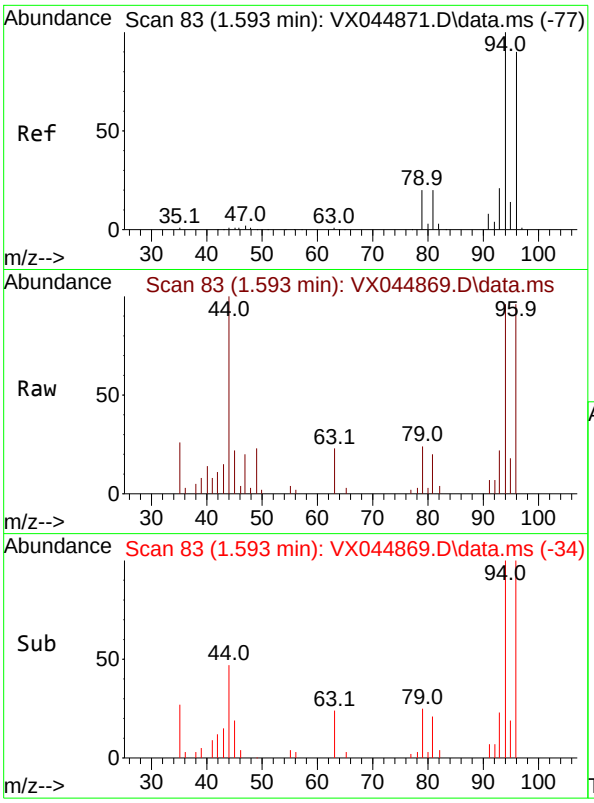


#4
Vinyl Chloride
Concen: 5.113 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11509

Ion	Ratio	Lower	Upper
62	100		
64	28.4	25.4	38.0

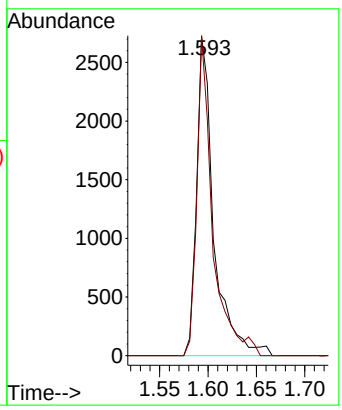




#5
Bromomethane
Concen: 5.005 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 94 Resp: 337

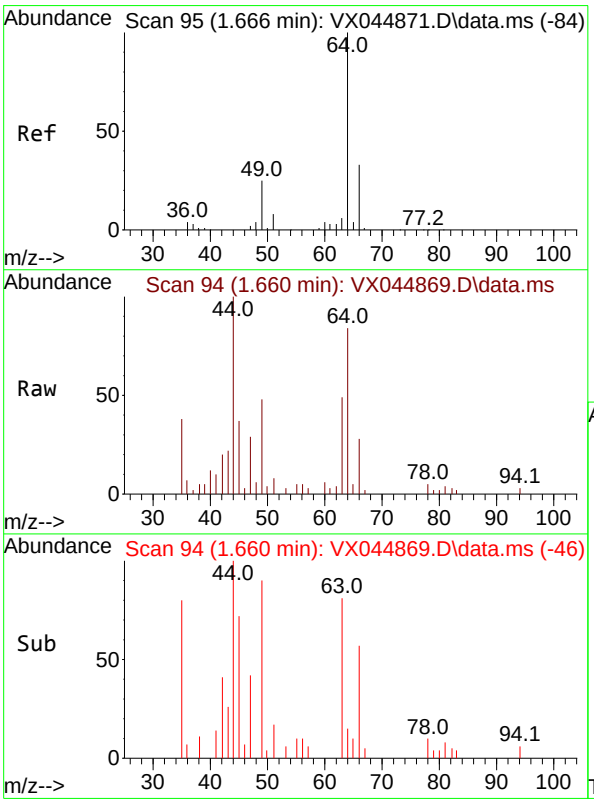
Ion	Ratio	Lower	Upper
94	100		
96	100.2	71.6	107.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

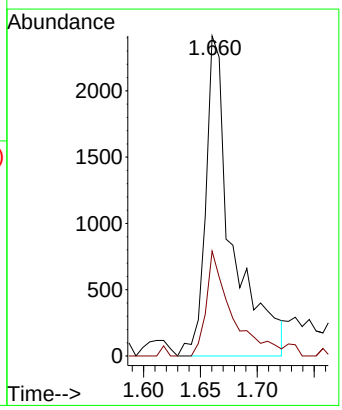
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

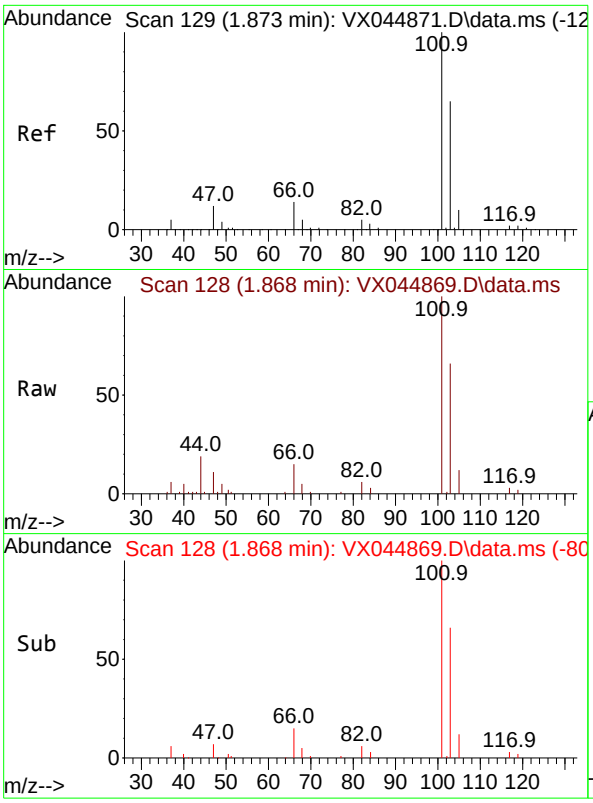


#6
Chloroethane
Concen: 4.973 ug/l m
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 64 Resp: 3918

Ion	Ratio	Lower	Upper
64	100		
66	32.8	25.9	38.9

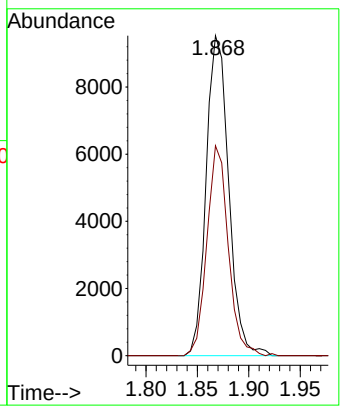




#7
Trichlorofluoromethane
Concen: 5.096 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.005 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:101 Resp: 1450

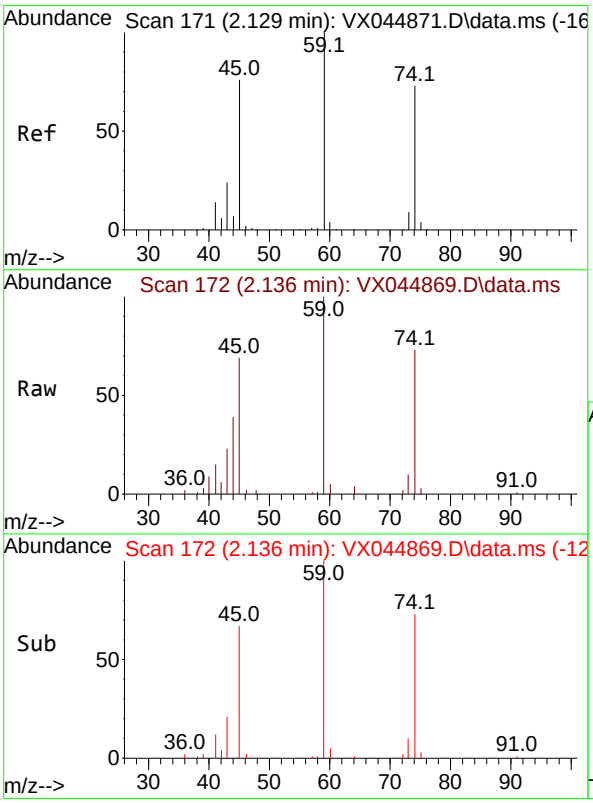
Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.4	78.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

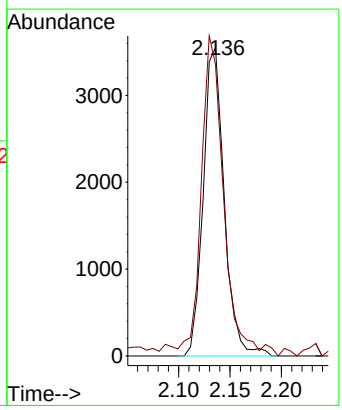
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

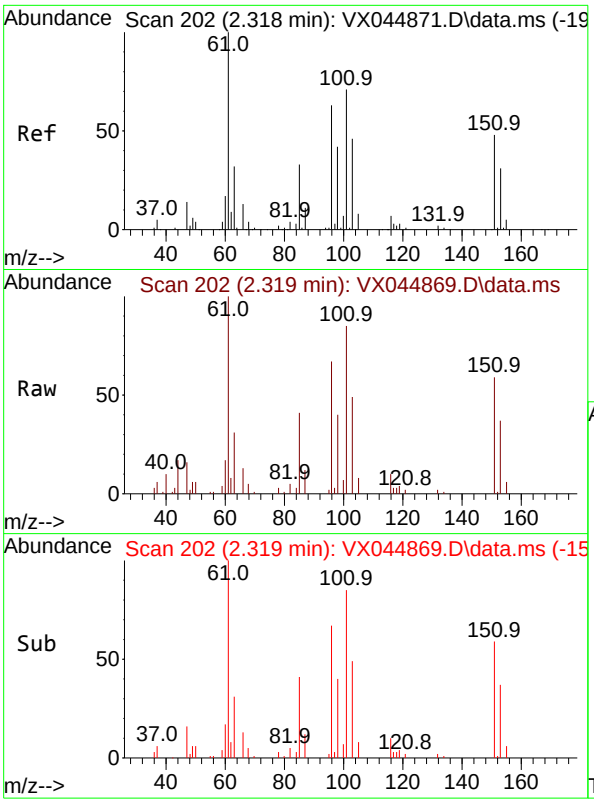


#8
Diethyl Ether
Concen: 4.904 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.007 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 74 Resp: 5062

Ion	Ratio	Lower	Upper
74	100		
45	112.2	51.1	153.4

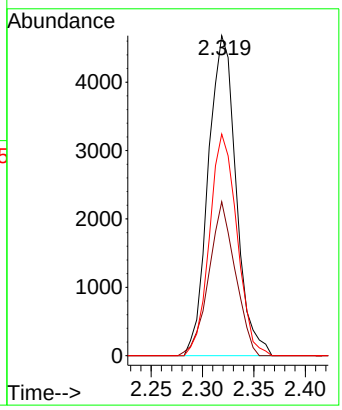




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.120 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:101 Resp: 880

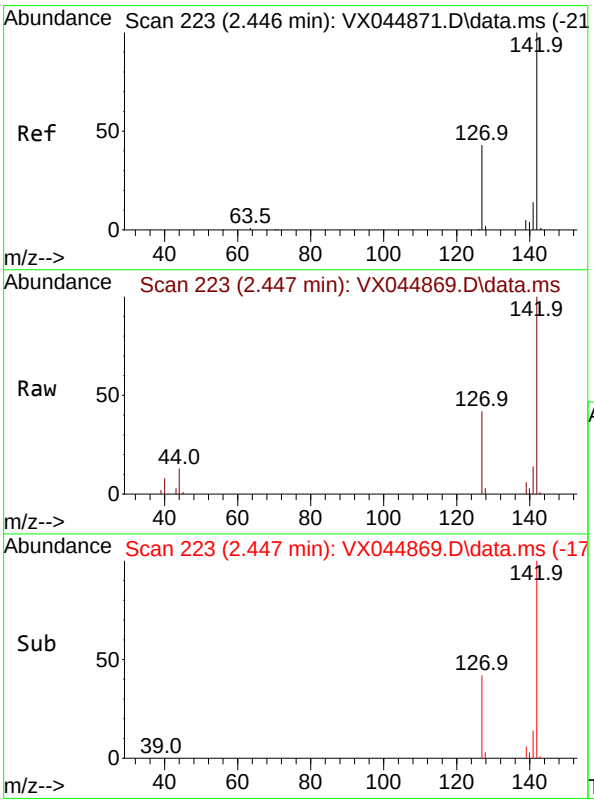
Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.7	53.5
151	68.3	56.0	84.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

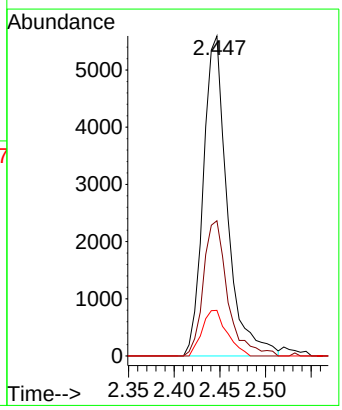
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

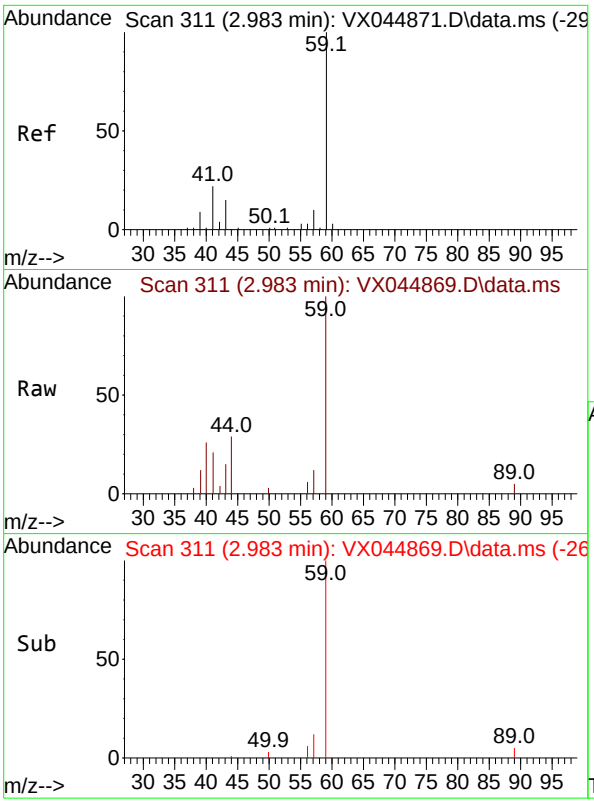


#10
Methyl Iodide
Concen: 4.591 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:142 Resp: 10233

Ion	Ratio	Lower	Upper
142	100		
127	42.7	34.3	51.5
141	14.8	11.4	17.2

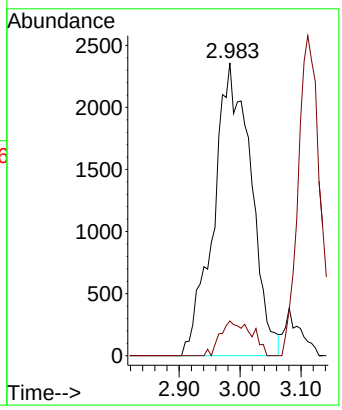




#11
Tert butyl alcohol
Concen: 27.175 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 59 Resp: 1004

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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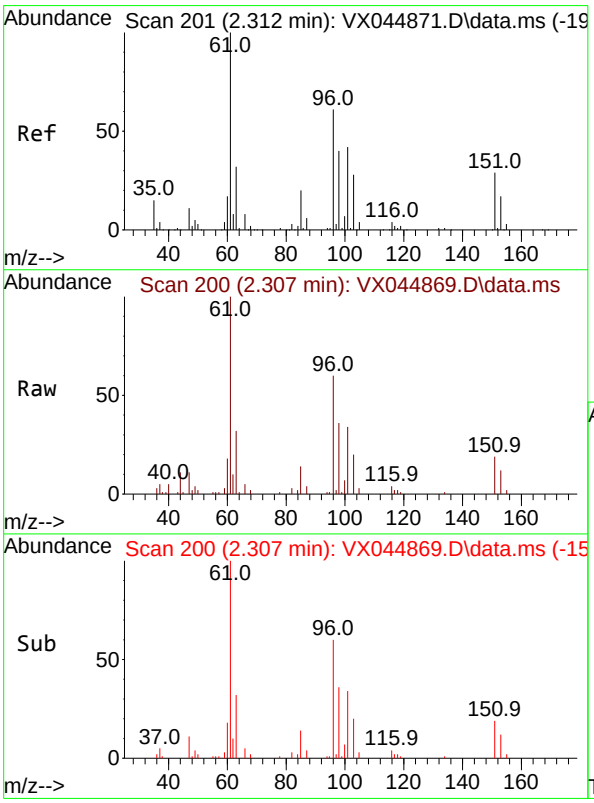
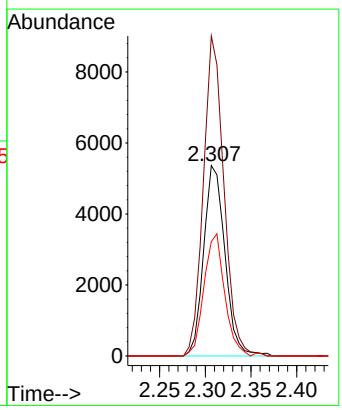
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

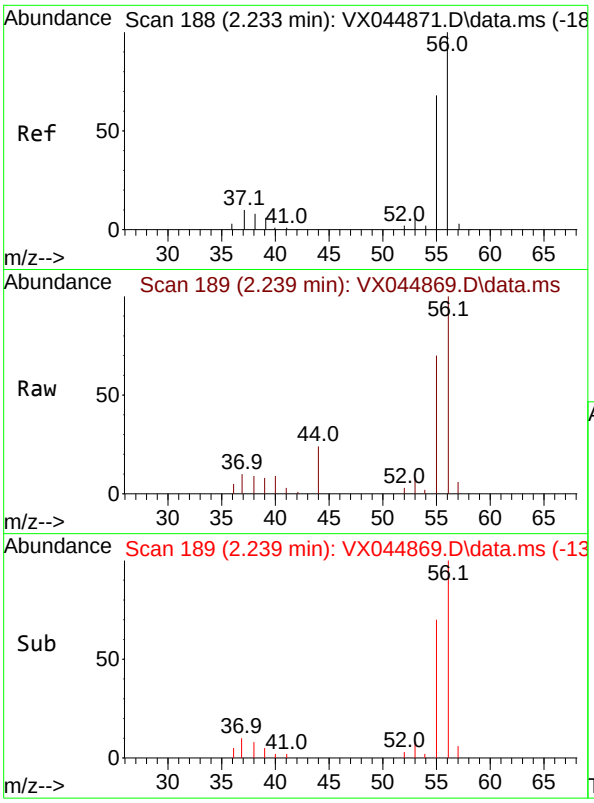


#12
1,1-Dichloroethene
Concen: 4.955 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 96 Resp: 8692

Ion	Ratio	Lower	Upper
96	100		
61	168.0	130.2	195.4
98	60.1	52.2	78.4

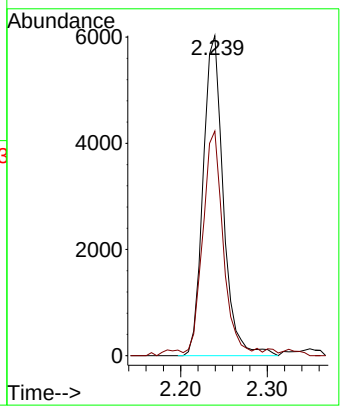




#13
Acrolein
Concen: 25.567 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 56 Resp: 975

Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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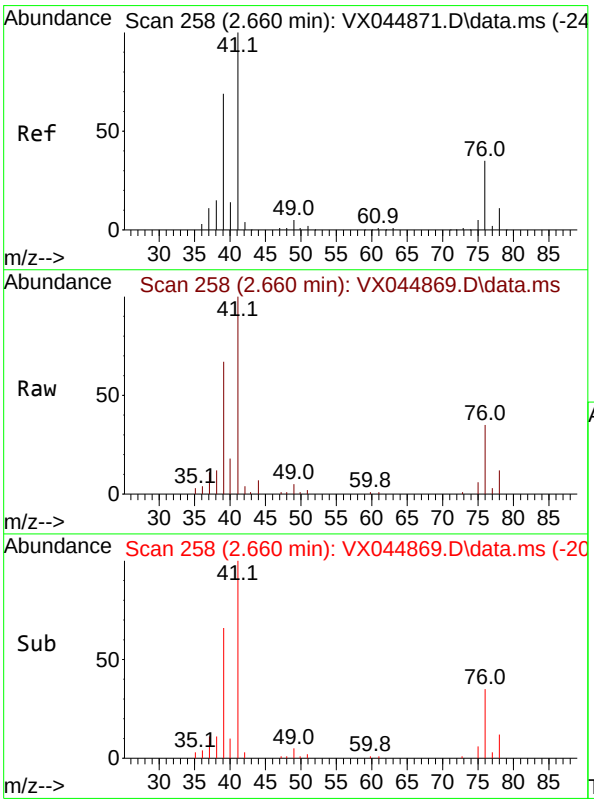
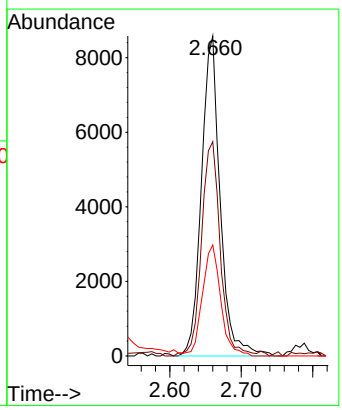
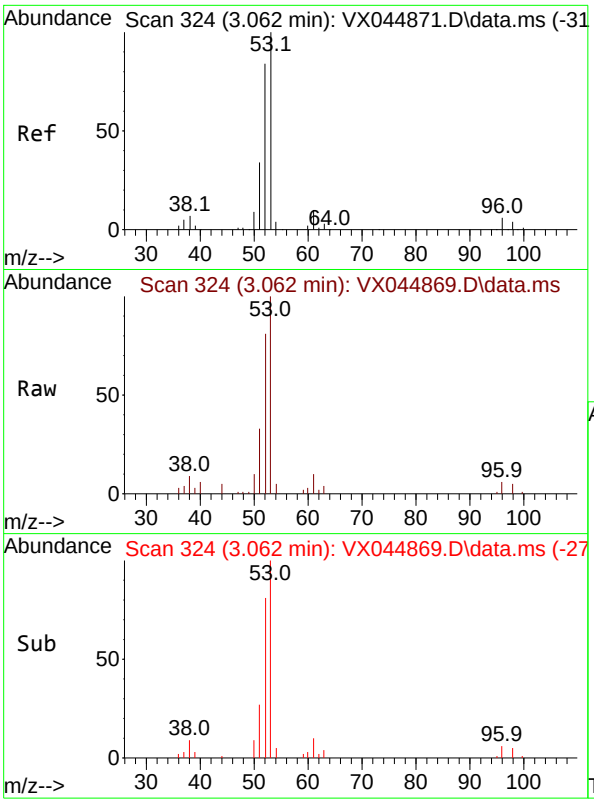


#14
Allyl chloride
Concen: 4.936 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 15649

Ion	Ratio	Lower	Upper
41	100		
39	66.7	51.4	77.2
76	33.9	27.0	40.4

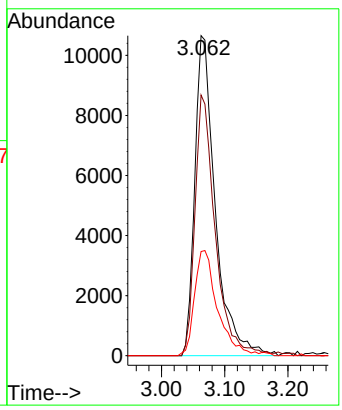




#15
Acrylonitrile
Concen: 24.422 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 53 Resp: 2410

Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	36.6	28.0	42.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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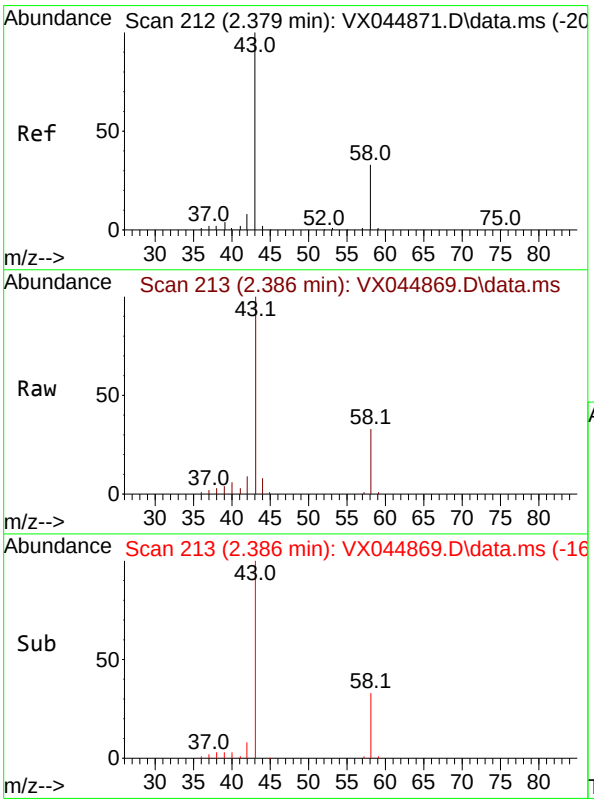
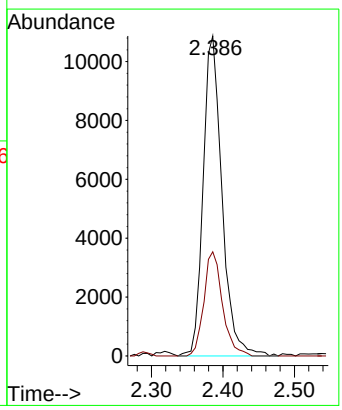
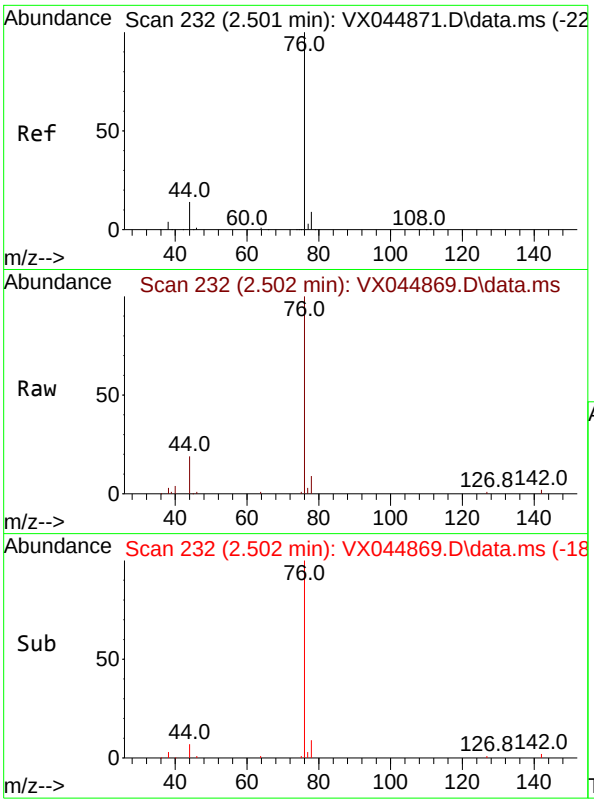


#16
Acetone
Concen: 24.817 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 19877

Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7





#17
Carbon Disulfide
Concen: 4.899 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 76 Resp: 2356

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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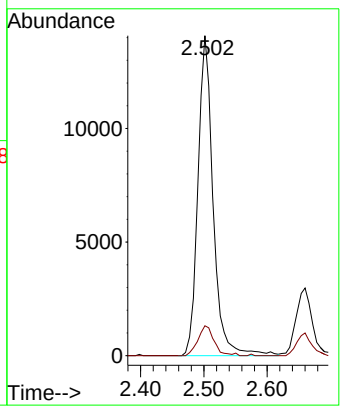
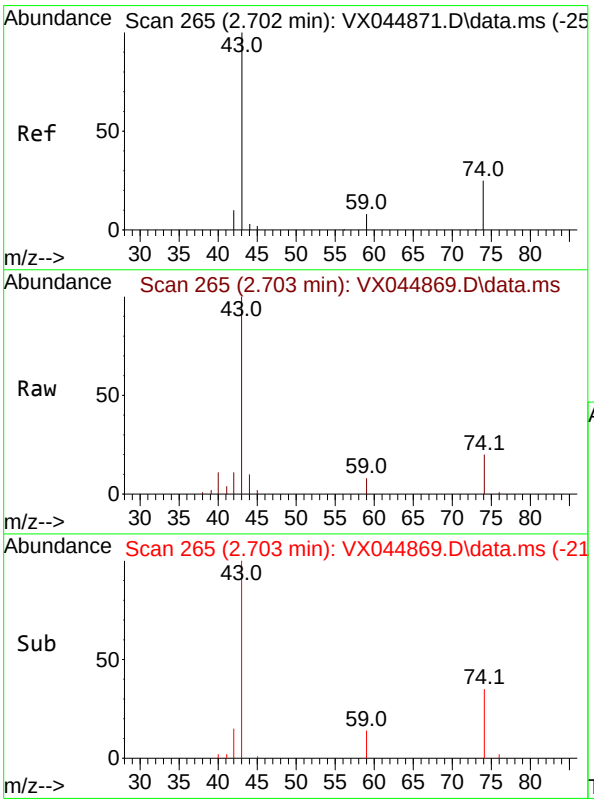
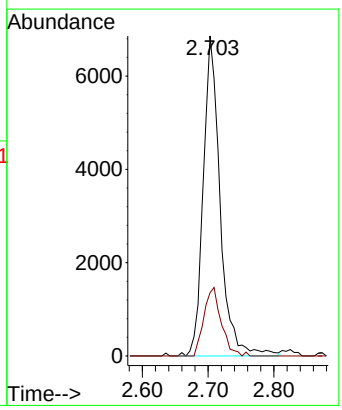


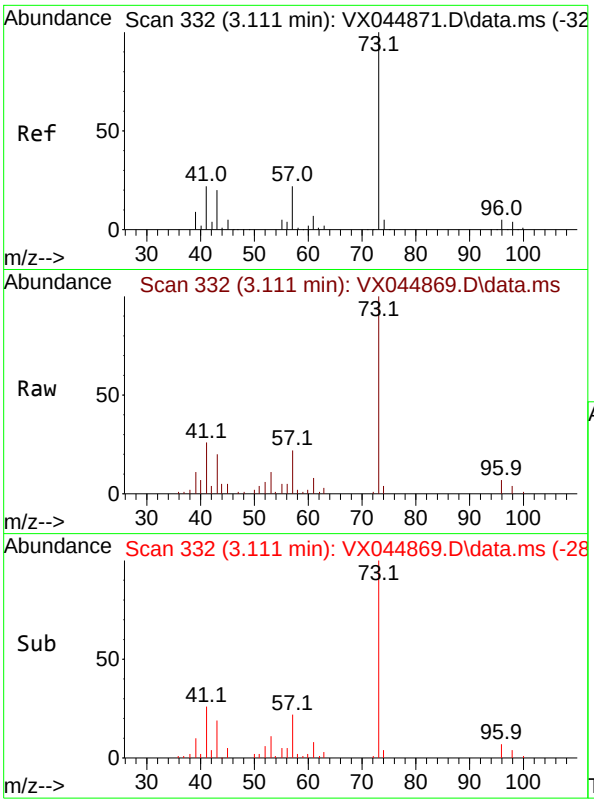


#18
Methyl Acetate
Concen: 4.850 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 12257

Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.9	28.3

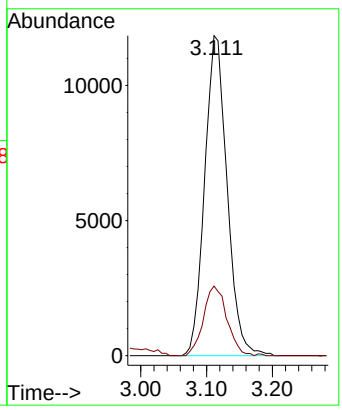




#19
Methyl tert-butyl Ether
Concen: 5.034 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 73 Resp: 2810

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.9	26.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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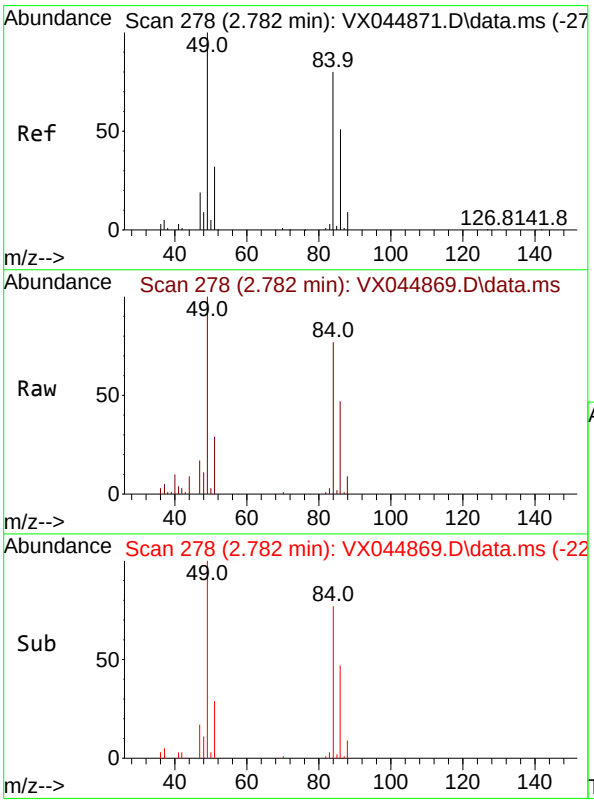
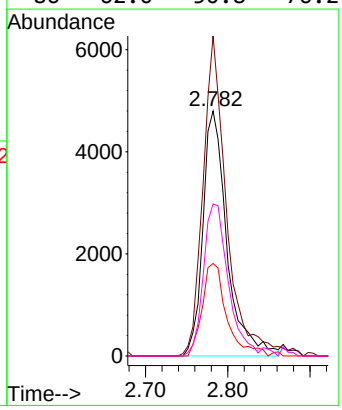
Supervised By :Mahesh Dadoda 02/11/2025

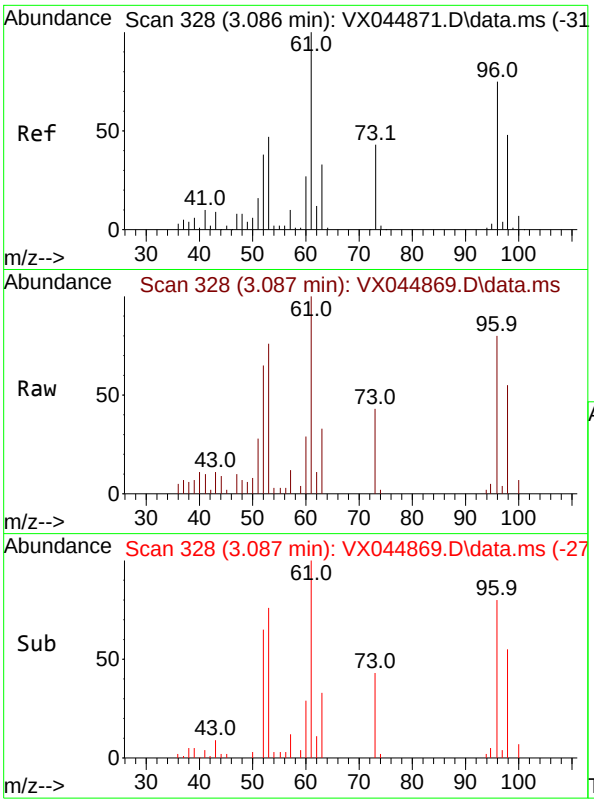


#20
Methylene Chloride
Concen: 4.973 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 84 Resp: 9757

Ion	Ratio	Lower	Upper
84	100		
49	130.7	100.1	150.1
51	37.7	31.7	47.5
86	62.0	50.8	76.2





#21
trans-1,2-Dichloroethene
Concen: 4.906 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 96 Resp: 847

Ion	Ratio	Lower	Upper
96	100		
61	125.5	106.0	159.0
98	68.5	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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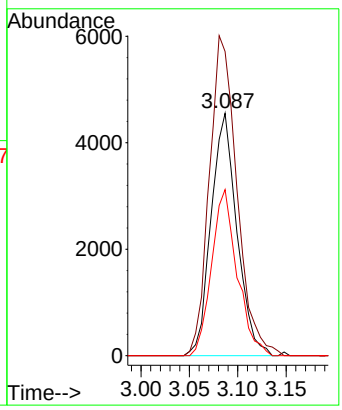
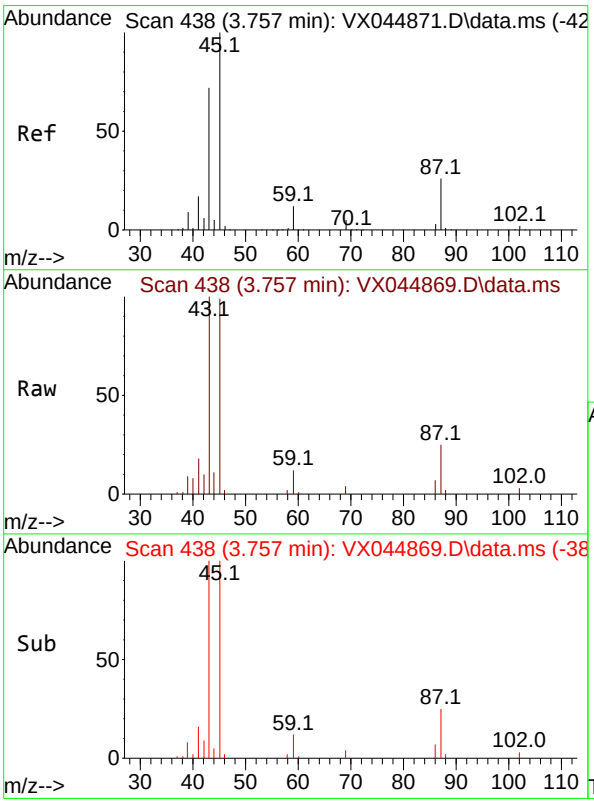
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

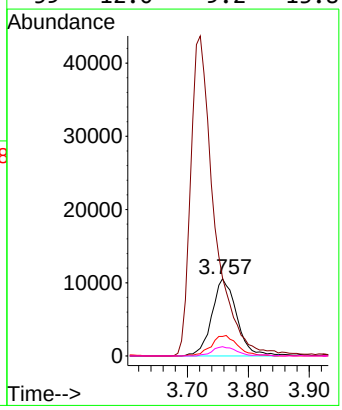


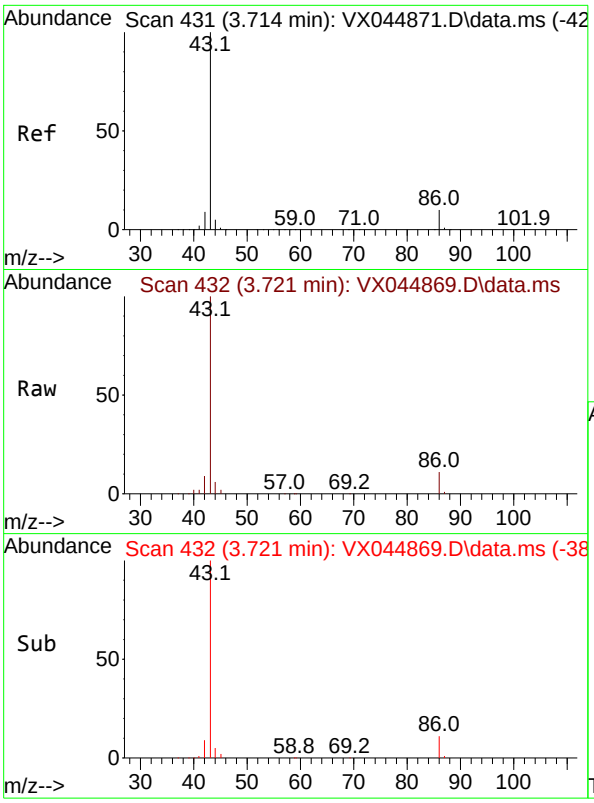


#22
Diisopropyl ether
Concen: 4.963 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 45 Resp: 29768

Ion	Ratio	Lower	Upper
45	100		
43	97.8	58.0	87.0#
87	25.2	20.7	31.1
59	12.0	9.2	13.8





#23
Vinyl Acetate
Concen: 24.358 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 11910

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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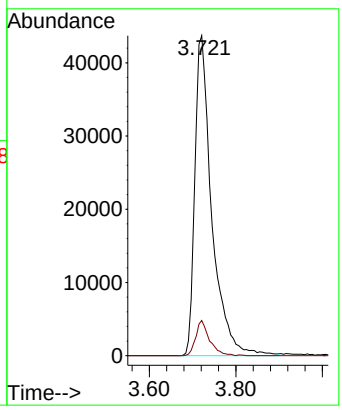
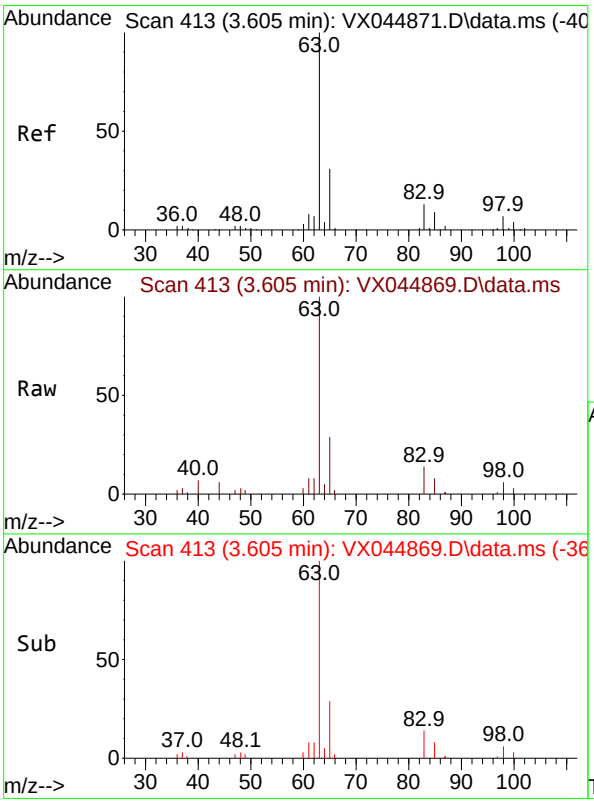
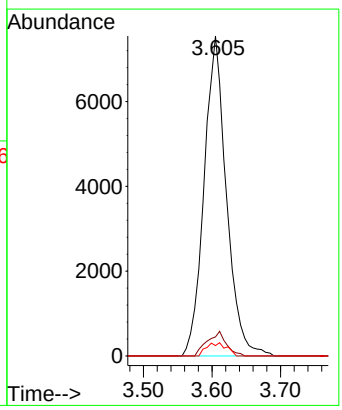


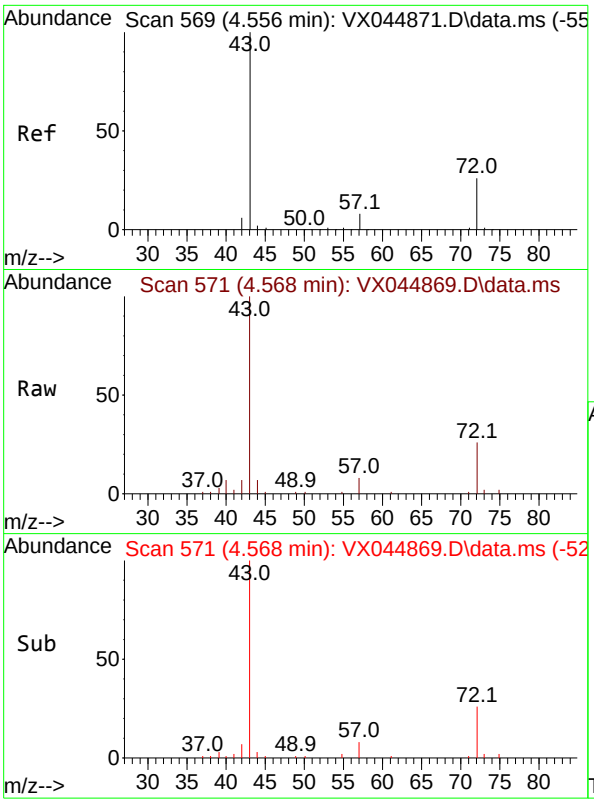


#24
1,1-Dichloroethane
Concen: 5.099 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 17113

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.3	9.9
100	3.2	2.1	6.5





#25
2-Butanone
Concen: 24.698 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 3212

Ion	Ratio	Lower	Upper
43	100		
72	25.7	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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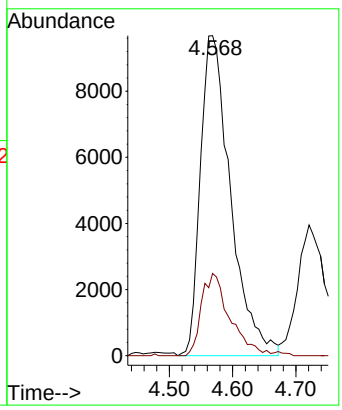
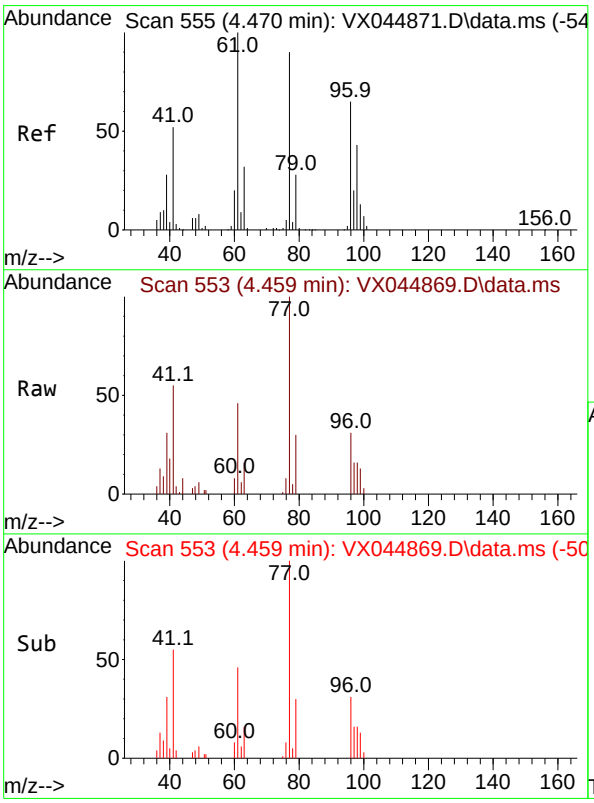
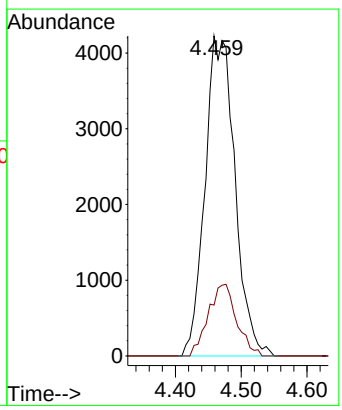


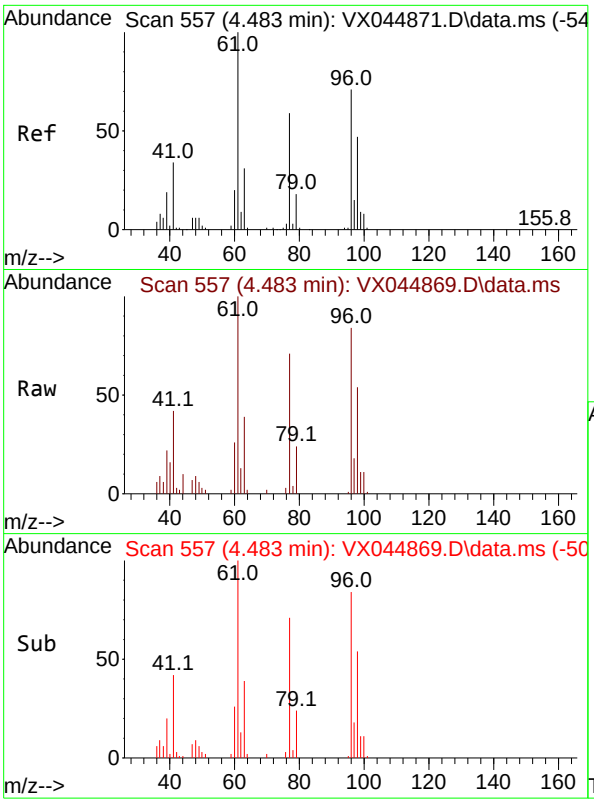


#26
2,2-Dichloropropane
Concen: 5.022 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.012 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 77 Resp: 13365

Ion	Ratio	Lower	Upper
77	100		
97	21.2	11.8	35.3

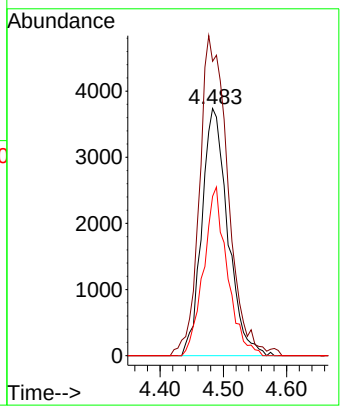




#27
cis-1,2-Dichloroethene
Concen: 5.141 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 96 Resp: 1066

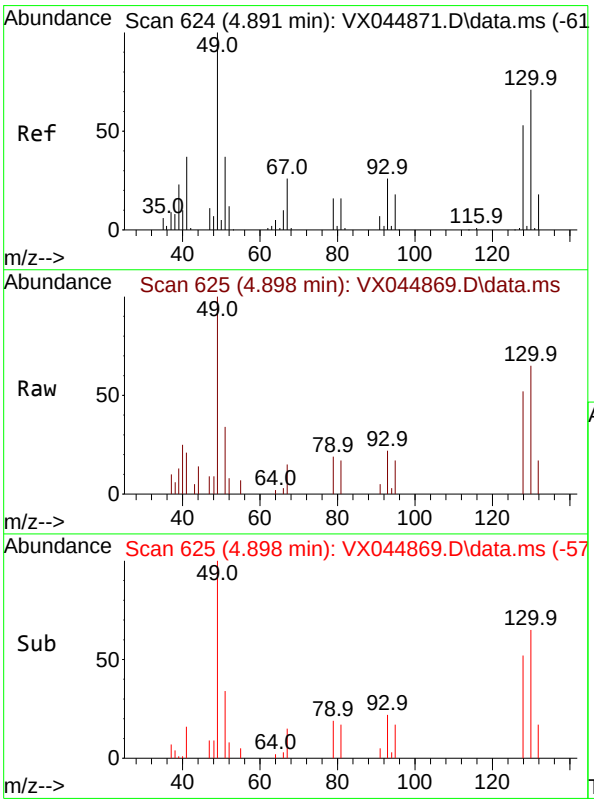
Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	294.0
98	62.4	0.0	131.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

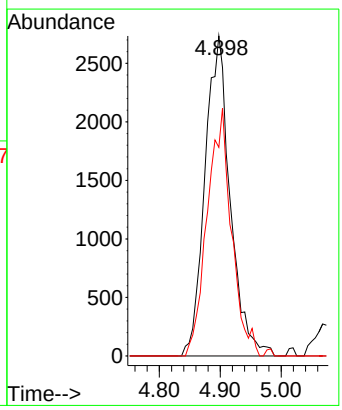
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

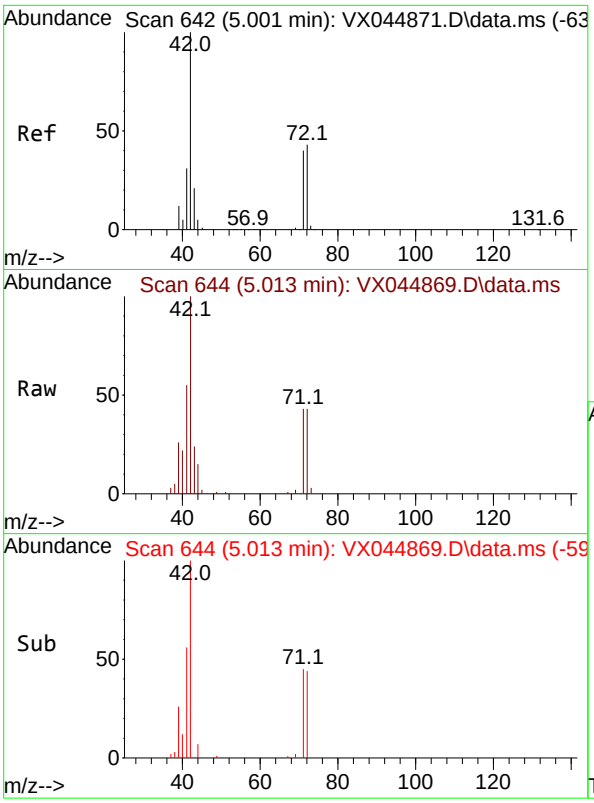


#28
Bromochloromethane
Concen: 4.886 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 49 Resp: 7881

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	74.4	56.7	85.1

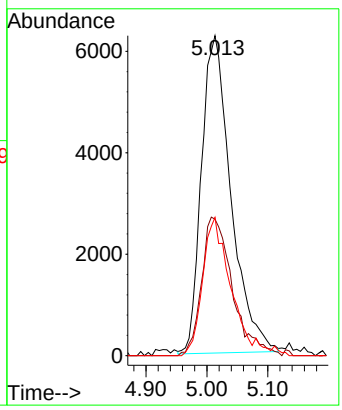




#29
Tetrahydrofuran
Concen: 24.429 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 42 Resp: 2109

Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.0	52.4
71	41.6	32.6	48.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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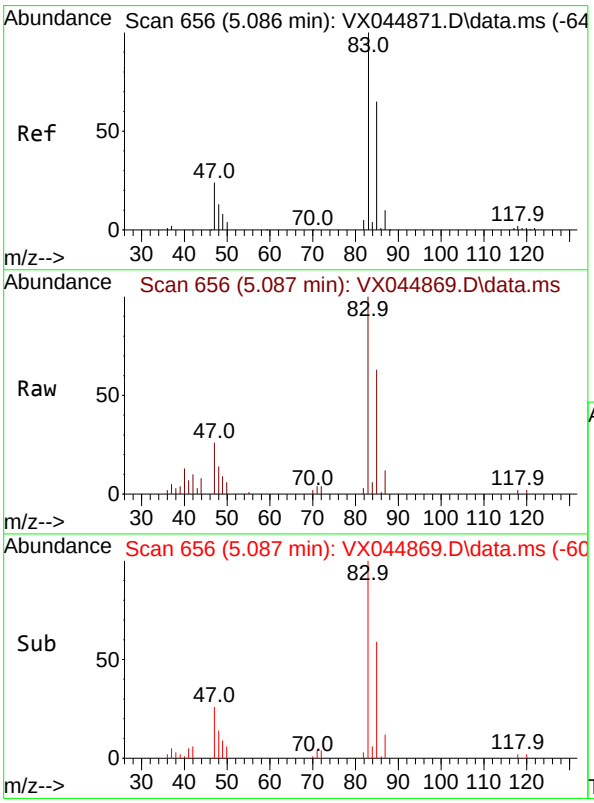
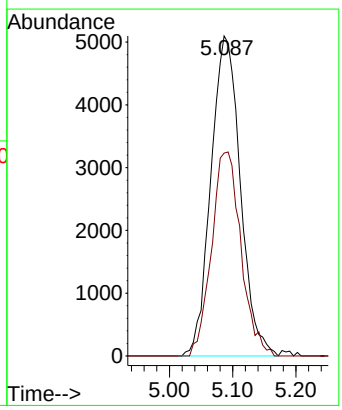
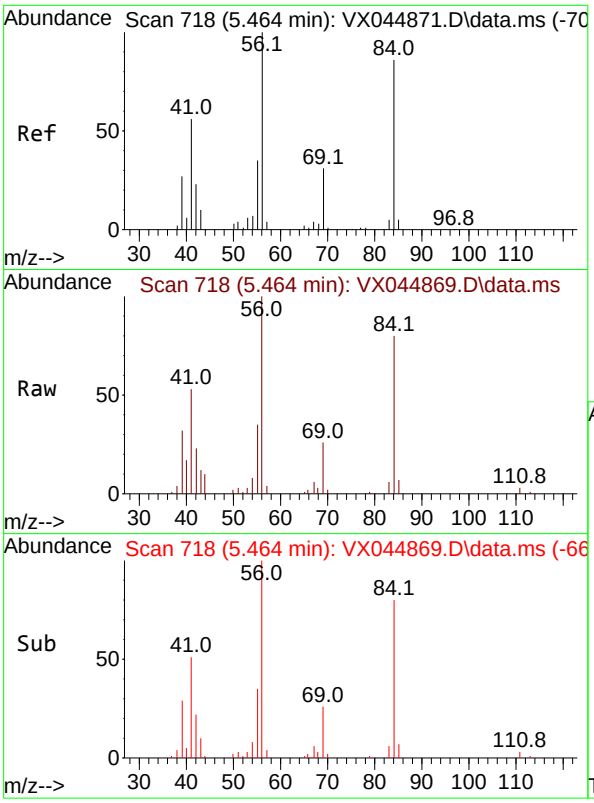


#30
Chloroform
Concen: 5.054 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 83 Resp: 16449

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.1	78.1

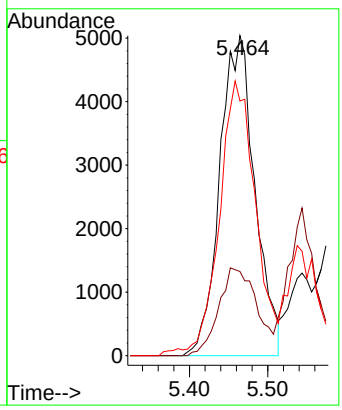




#31
Cyclohexane
Concen: 5.076 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 56 Resp: 1570

Ion	Ratio	Lower	Upper
56	100		
69	26.3	24.4	36.6
84	77.4	69.0	103.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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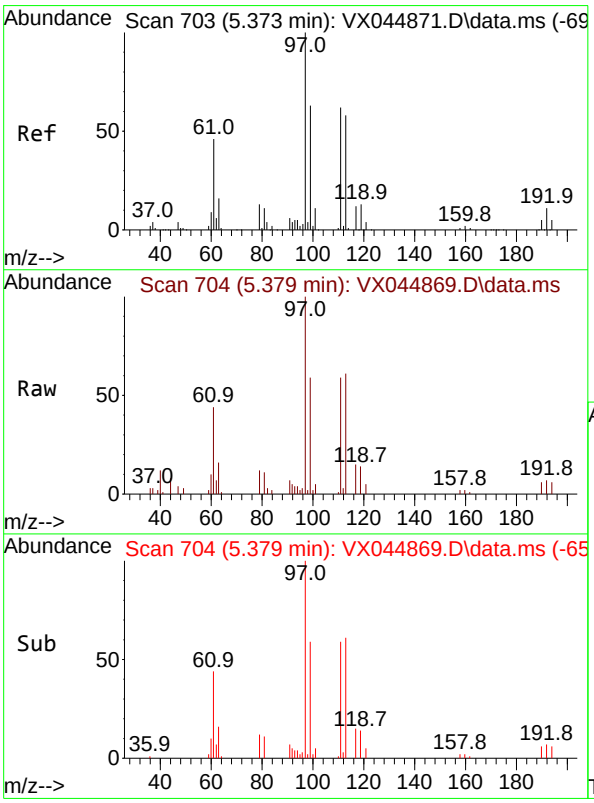
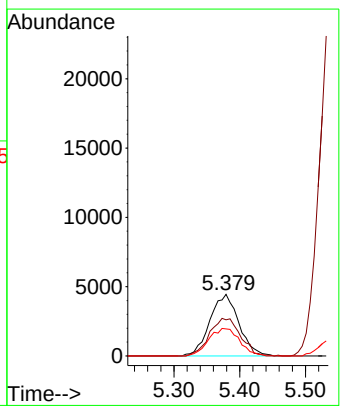
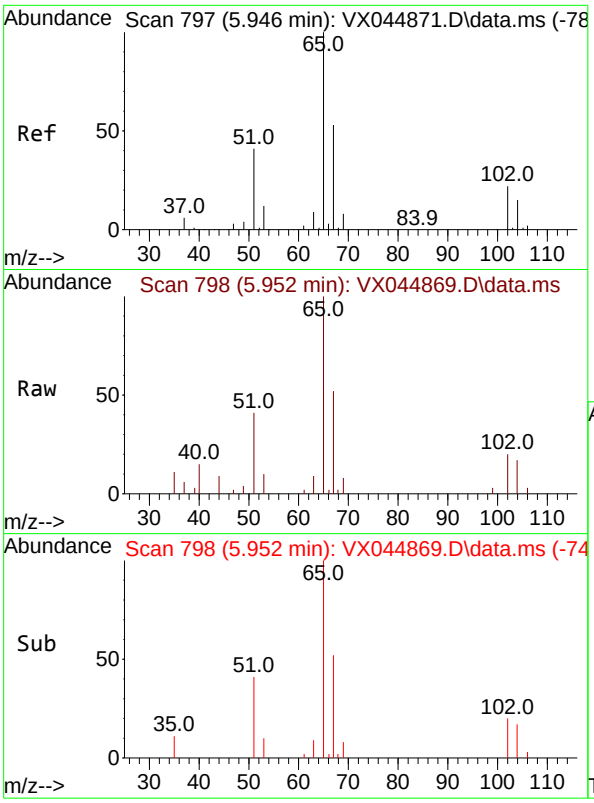


#32
1,1,1-Trichloroethane
Concen: 4.947 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 97 Resp: 13658

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	47.3	36.6	55.0

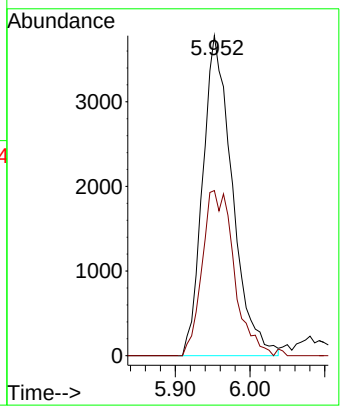




#33
1,2-Dichloroethane-d4
Concen: 5.219 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 65 Resp: 1039

Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	108.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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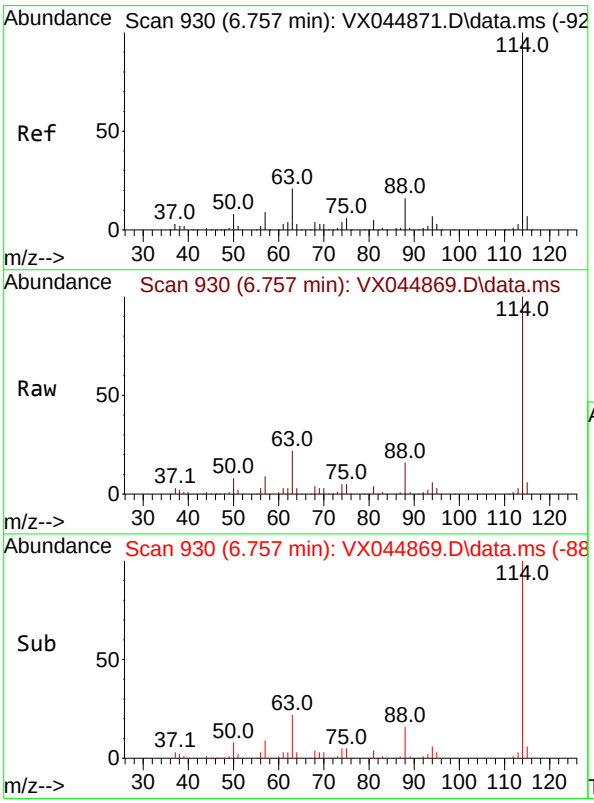
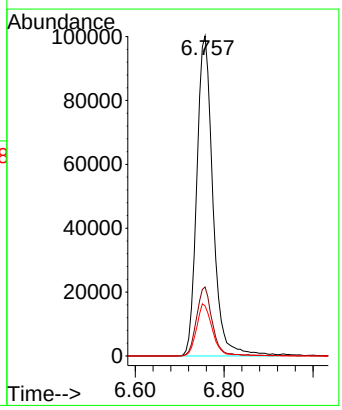
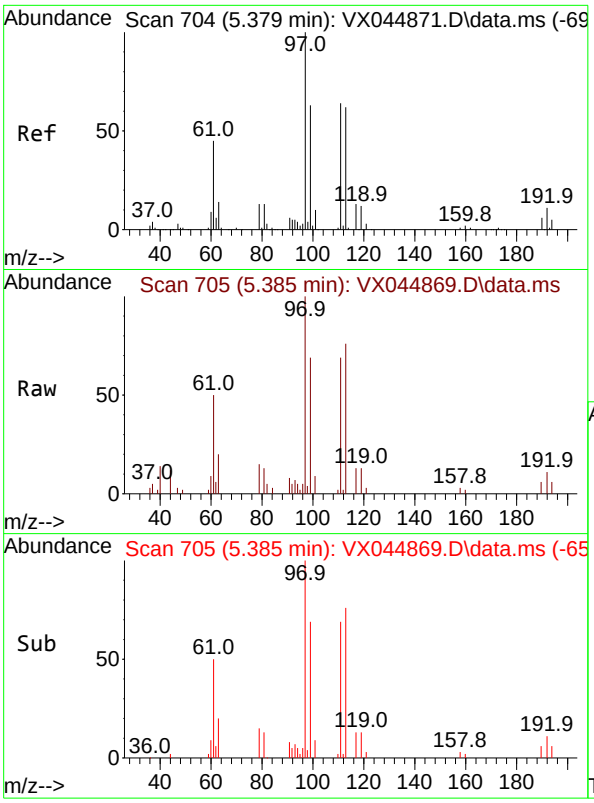


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:114 Resp: 253314

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.4
88	15.6	0.0	31.4

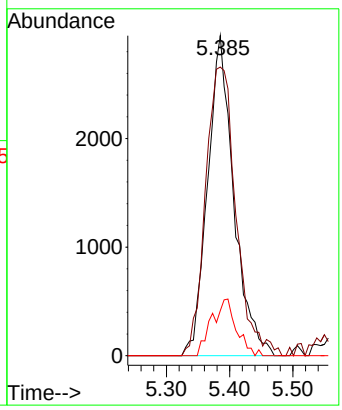




#35
Dibromofluoromethane
Concen: 5.150 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:113 Resp: 848

Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.5	125.3
192	16.7	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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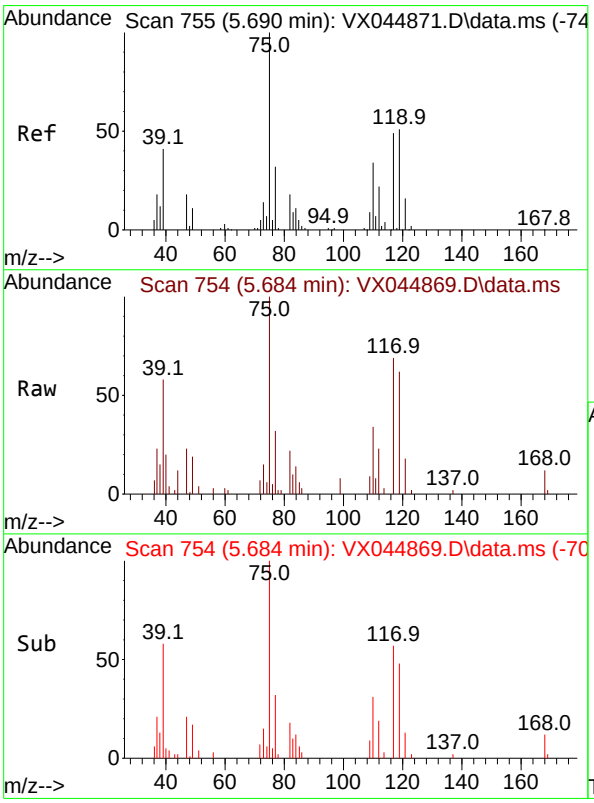
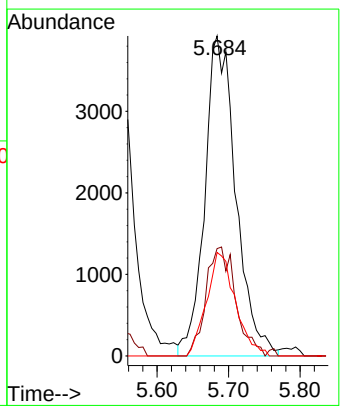
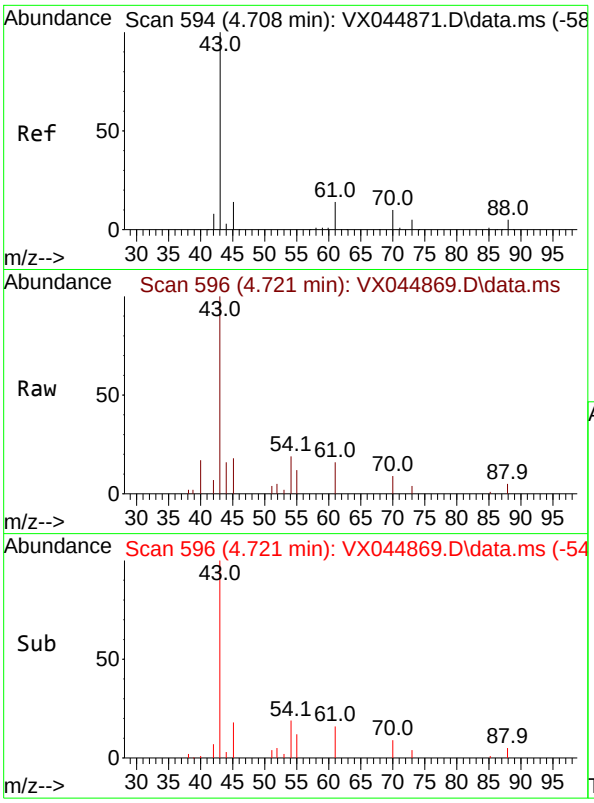


#36
1,1-Dichloropropene
Concen: 4.981 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 11835

Ion	Ratio	Lower	Upper
75	100		
110	32.4	17.2	51.6
77	30.0	24.6	37.0

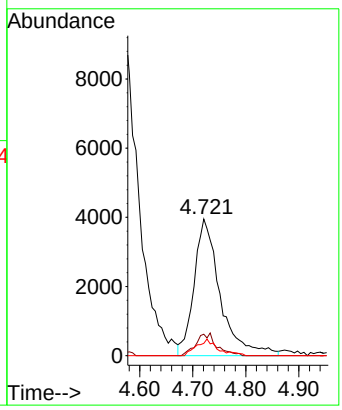




#37
Ethyl Acetate
Concen: 5.122 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 1353

Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	9.8	8.2	12.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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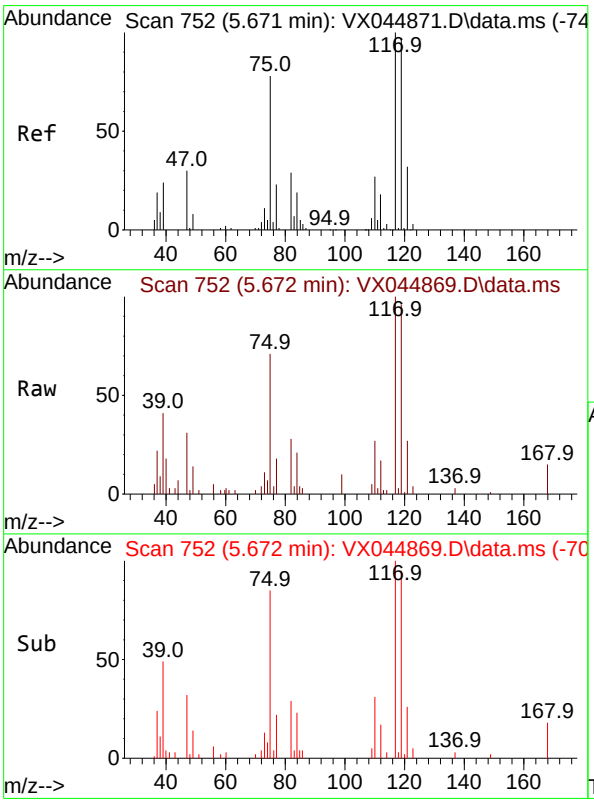
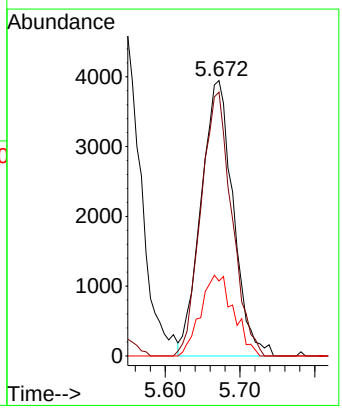
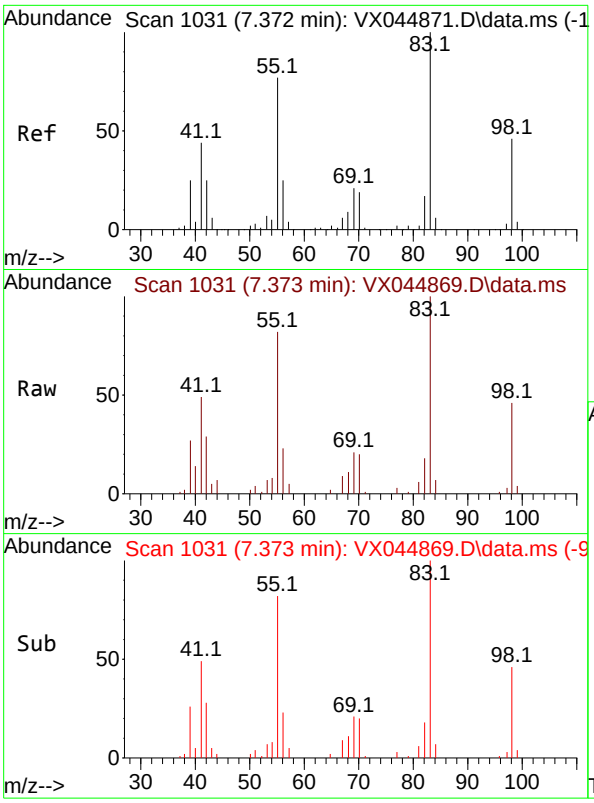


#38
Carbon Tetrachloride
Concen: 5.066 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:117 Resp: 11797

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.5	116.3
121	27.2	25.6	38.4

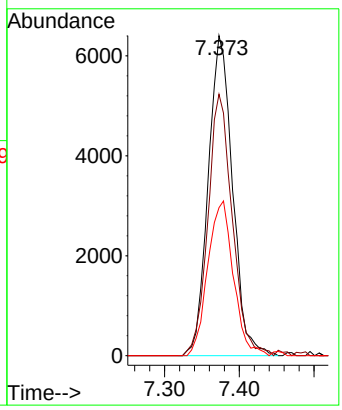




#39
Methylcyclohexane
Concen: 4.711 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 83 Resp: 1447

Ion	Ratio	Lower	Upper
83	100		
55	81.7	61.3	91.9
98	46.3	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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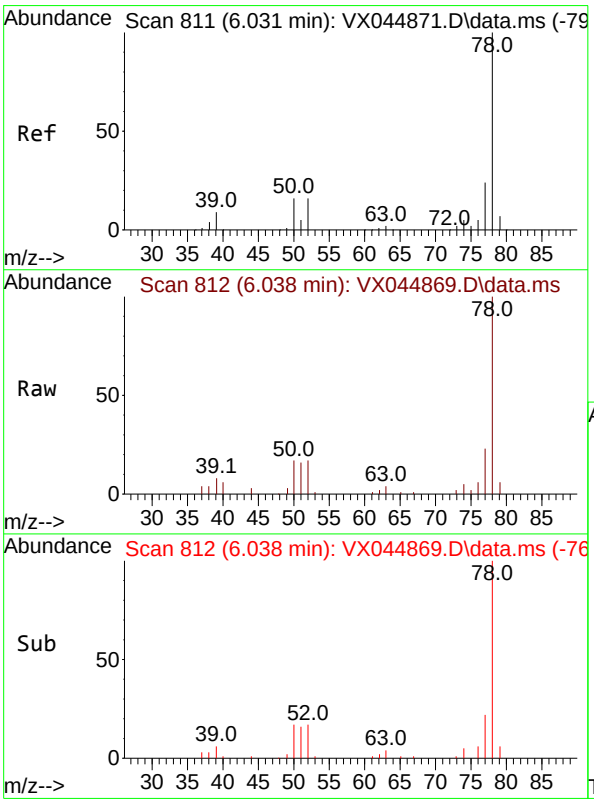
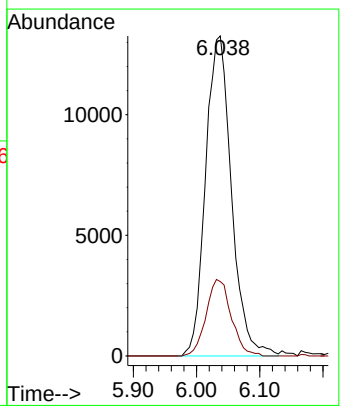
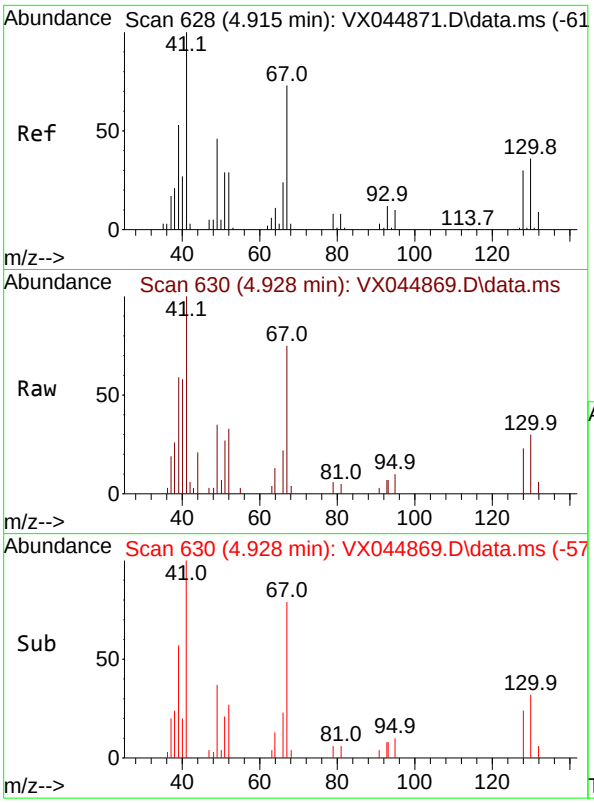


#40
Benzene
Concen: 5.079 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 78 Resp: 37687

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6

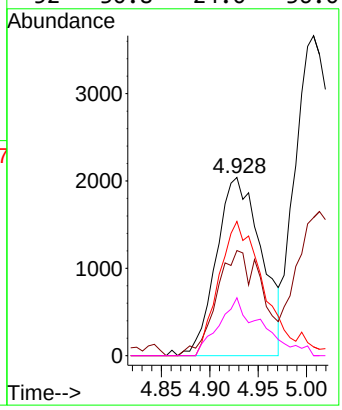




#41
Methacrylonitrile
Concen: 4.699 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 664

Ion	Ratio	Lower	Upper
41	100		
39	59.4	43.1	64.7
67	72.7	57.0	85.6
52	30.8	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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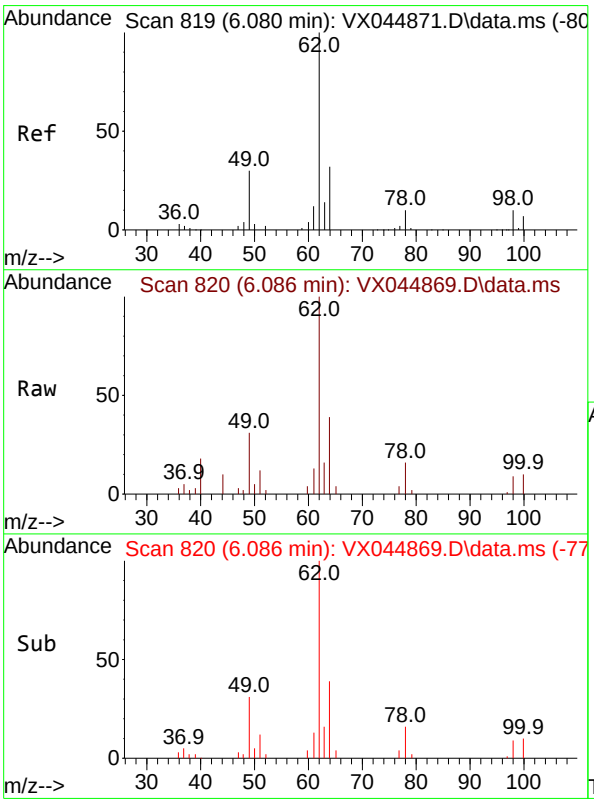
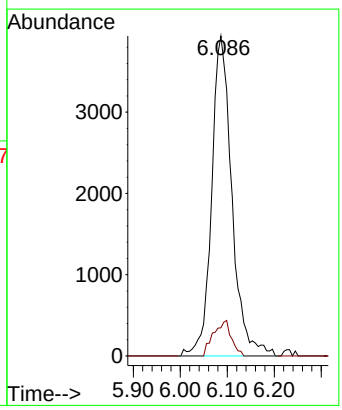
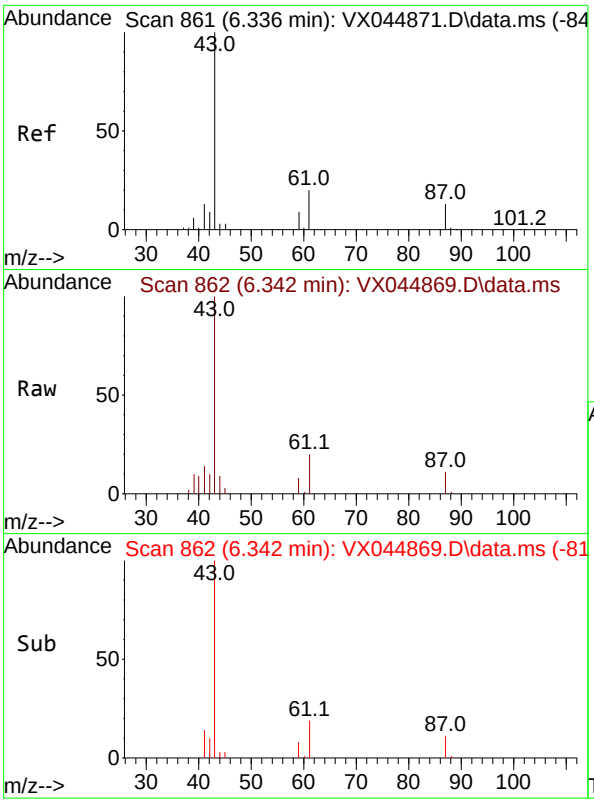


#42
1,2-Dichloroethane
Concen: 4.985 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11789

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43
Isopropyl Acetate
Concen: 4.640 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 1980

Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.8
87	11.9	10.0	15.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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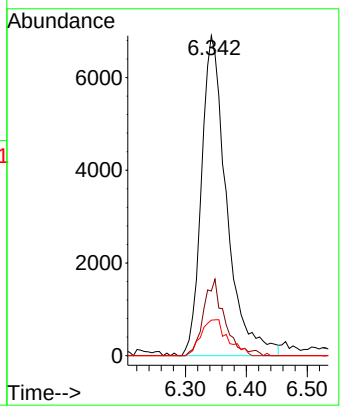
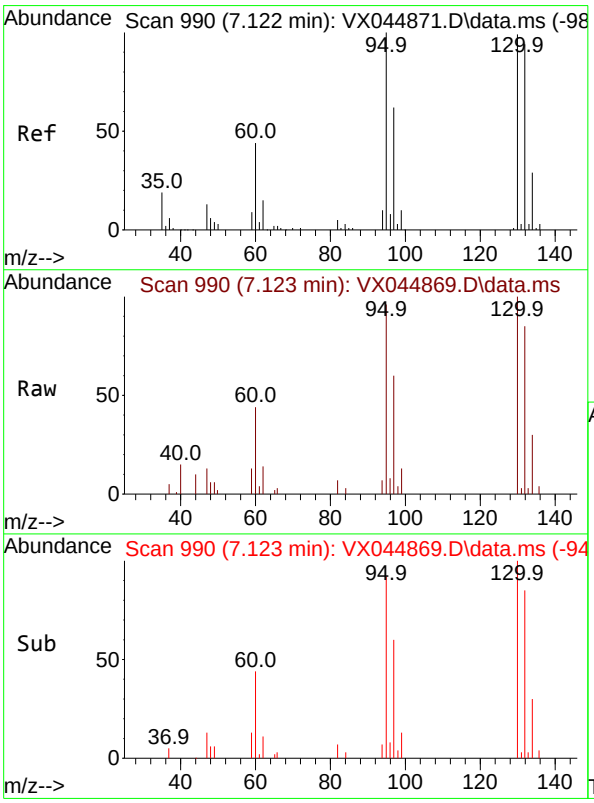
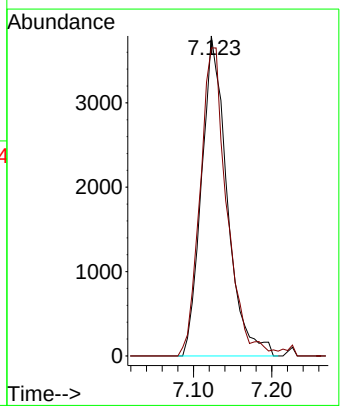


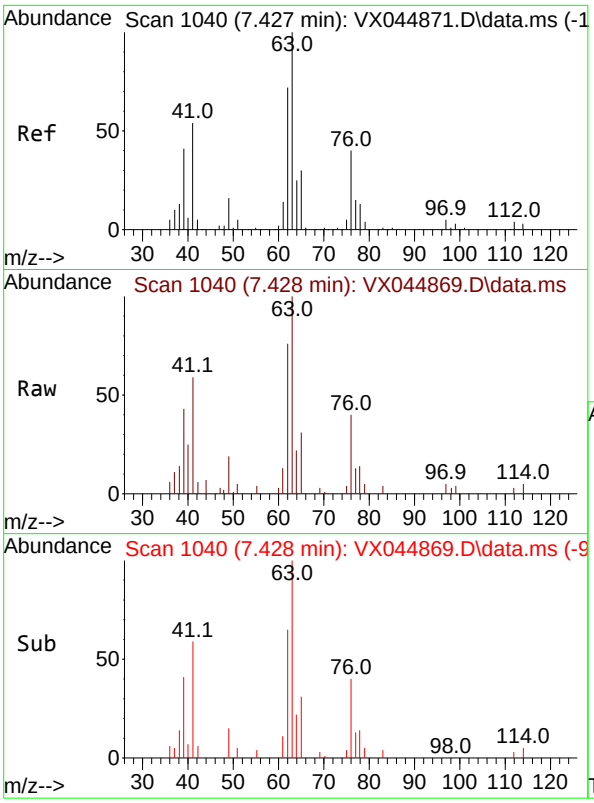


#44
Trichloroethene
Concen: 5.079 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:130 Resp: 8614

Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.4

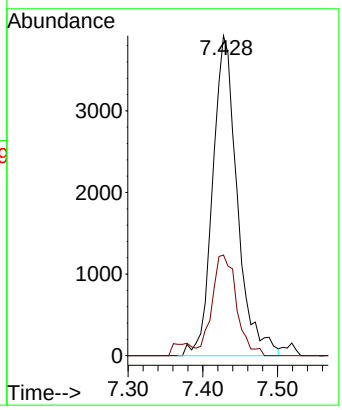




#45
1,2-Dichloropropane
Concen: 4.863 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 897

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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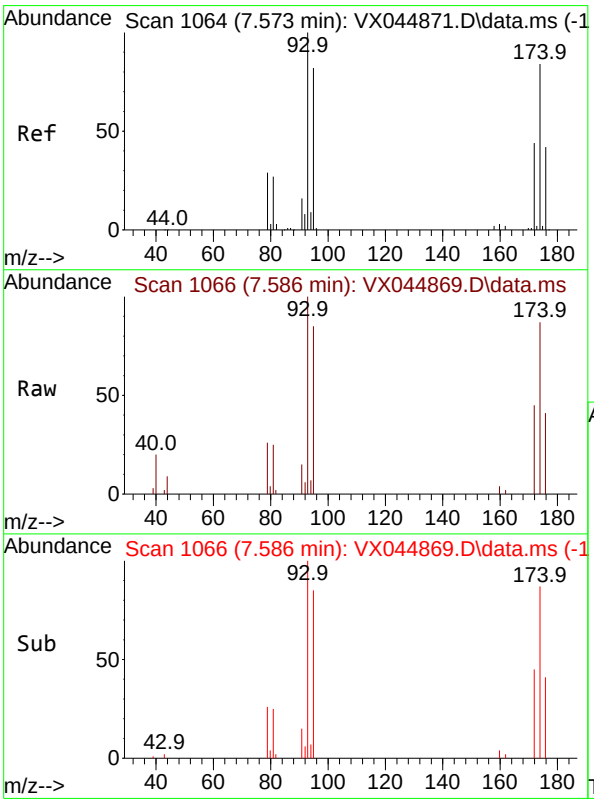
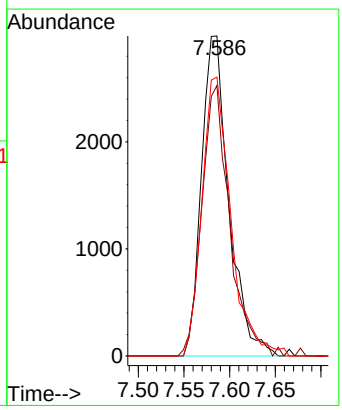
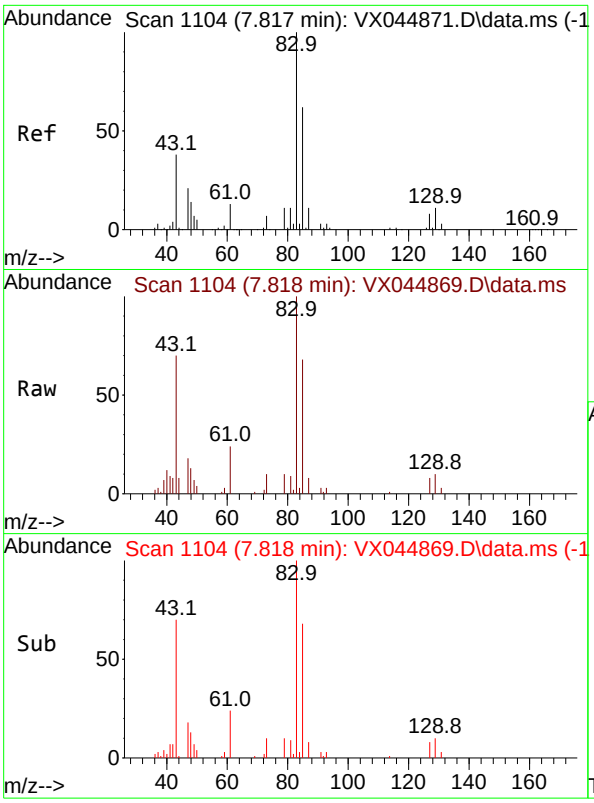


#46
Dibromomethane
Concen: 4.851 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 93 Resp: 6210

Ion	Ratio	Lower	Upper
93	100		
95	86.4	66.2	99.4
174	92.2	69.9	104.9

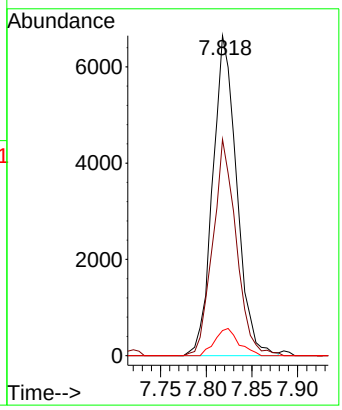




#47
Bromodichloromethane
Concen: 4.911 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 83 Resp: 1217

Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.0	75.0
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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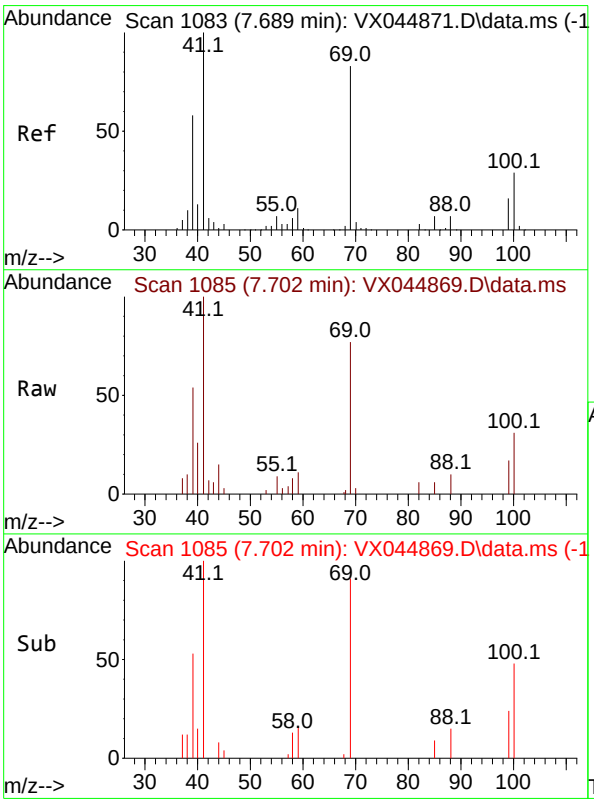
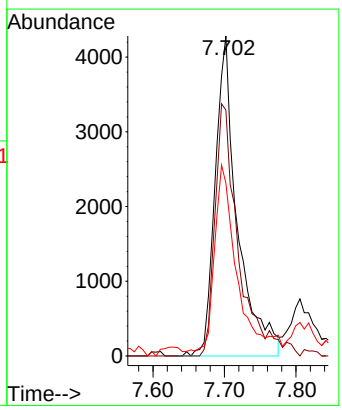
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

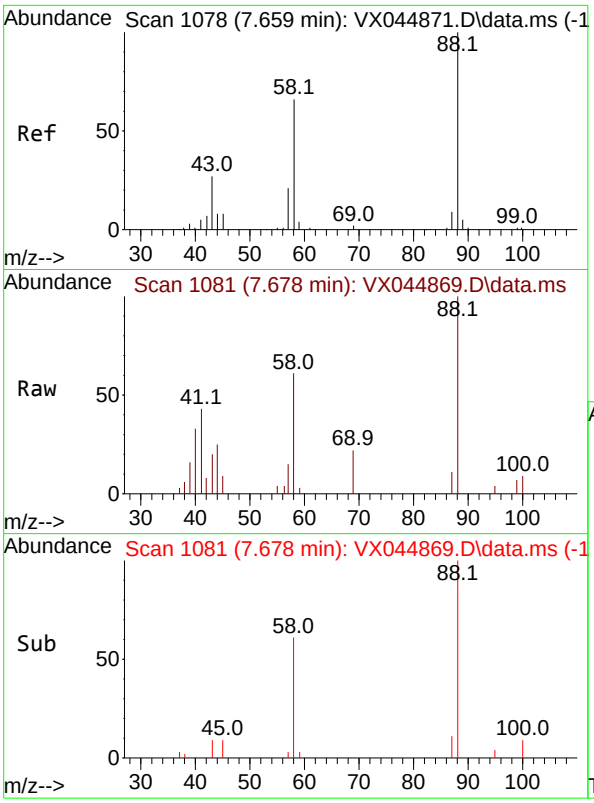


#48
Methyl methacrylate
Concen: 4.620 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 9298

Ion	Ratio	Lower	Upper
41	100		
69	83.0	65.8	98.8
39	54.6	46.4	69.6

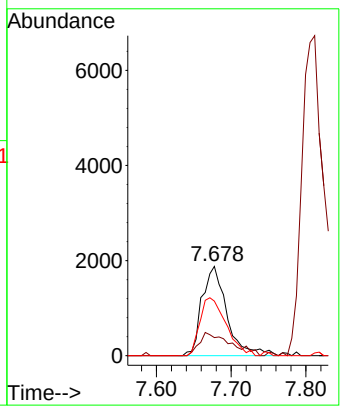




#49
1,4-Dioxane
Concen: 101.099 ug/l
RT: 7.678 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 88 Resp: 436

Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.6	39.8
58	67.9	55.9	83.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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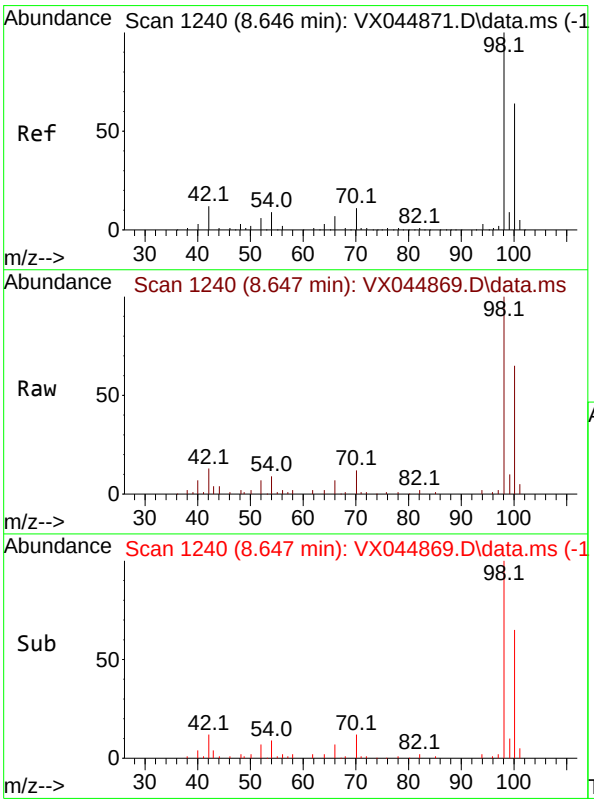
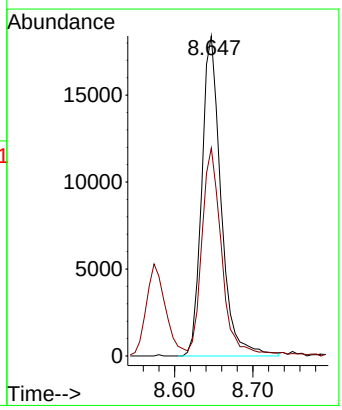
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

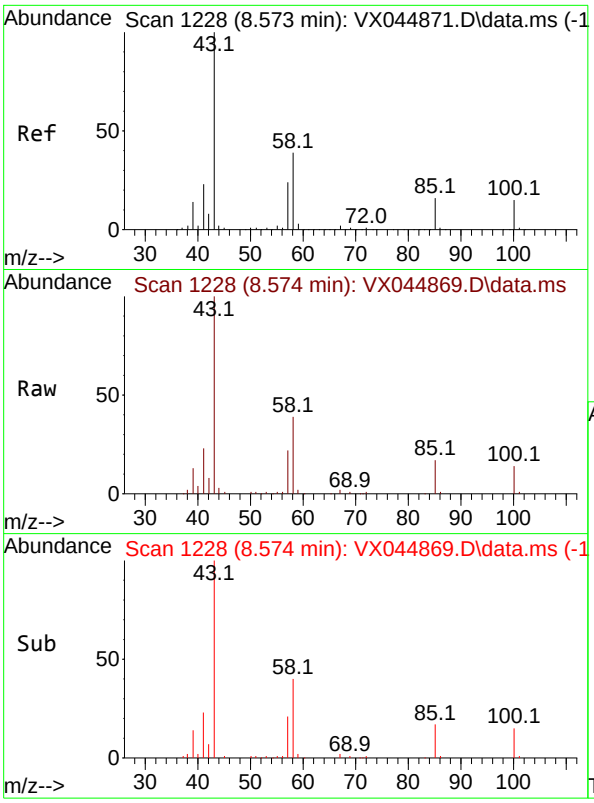


#50
Toluene-d8
Concen: 5.039 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 98 Resp: 31381

Ion	Ratio	Lower	Upper
98	100		
100	67.8	52.7	79.1

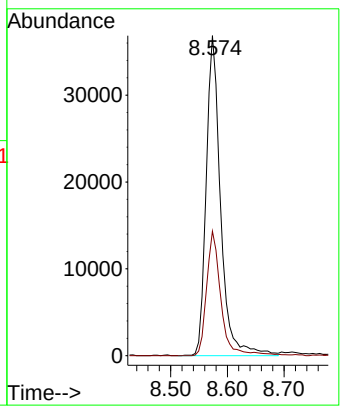




#51
4-Methyl-2-Pentanone
Concen: 25.076 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 6506

Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.8	46.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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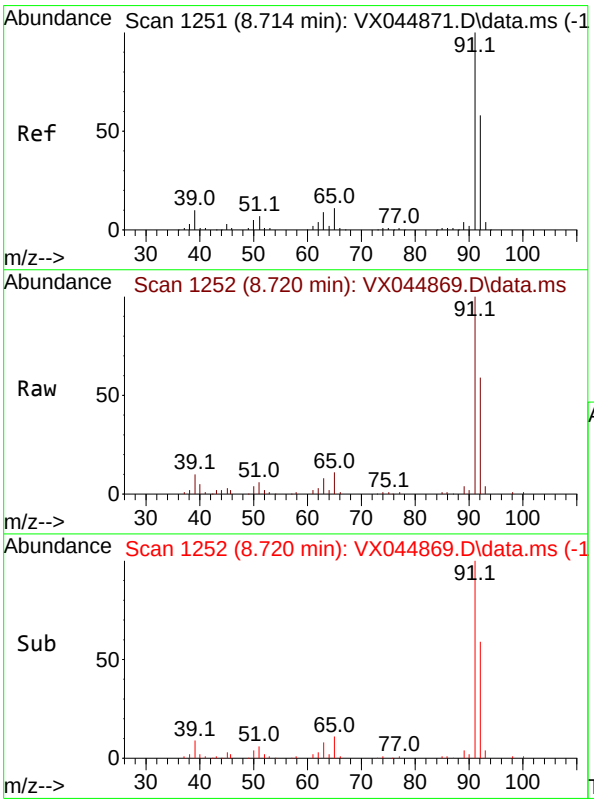
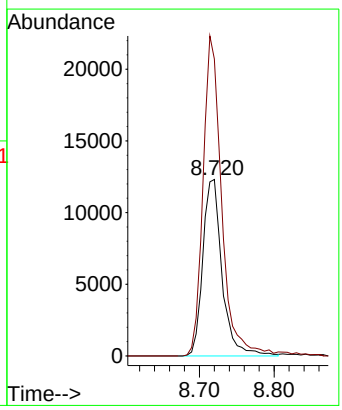
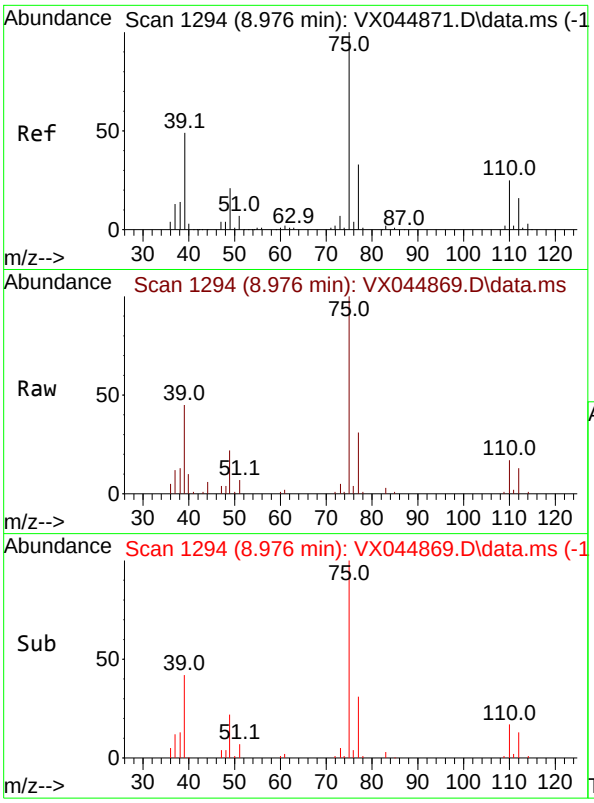


#52
Toluene
Concen: 4.999 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 92 Resp: 22090

Ion	Ratio	Lower	Upper
92	100		
91	177.1	137.4	206.2

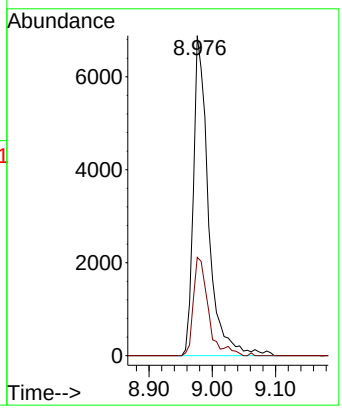




#53
t-1,3-Dichloropropene
Concen: 4.550 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 1141

Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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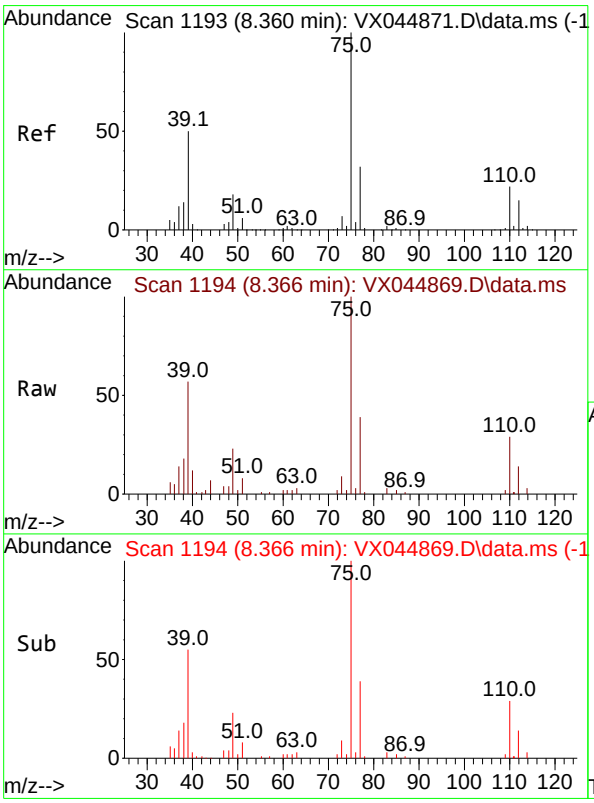
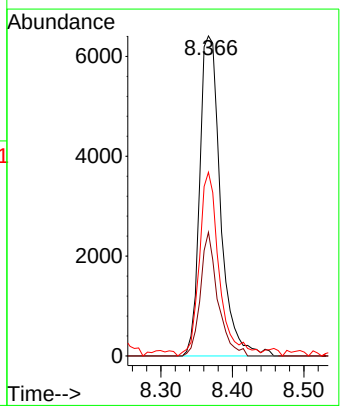
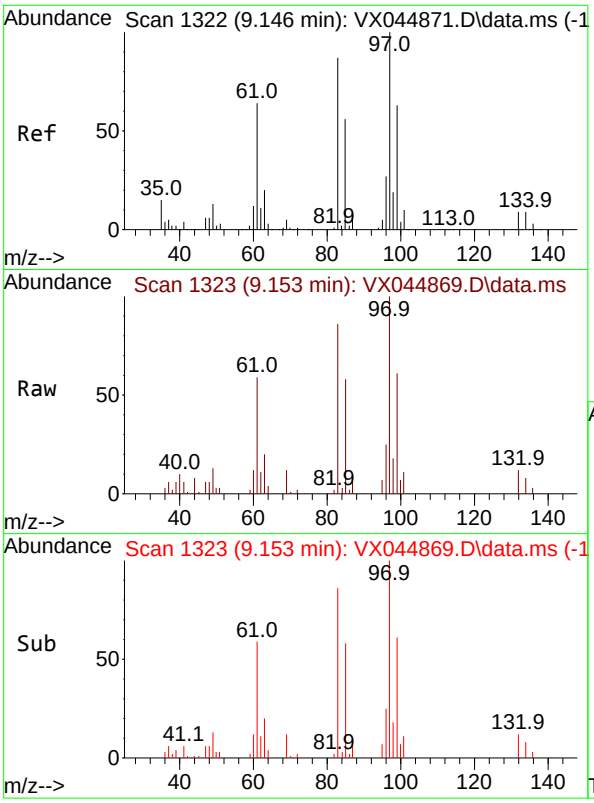


#54
cis-1,3-Dichloropropene
Concen: 4.628 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 12943

Ion	Ratio	Lower	Upper
75	100		
77	38.7	25.3	37.9#
39	57.4	40.0	60.0

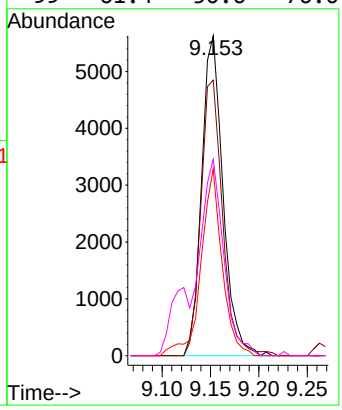




#55
1,1,2-Trichloroethane
Concen: 5.099 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 97 Resp: 866

Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.8	104.6
85	58.3	44.8	67.2
99	61.4	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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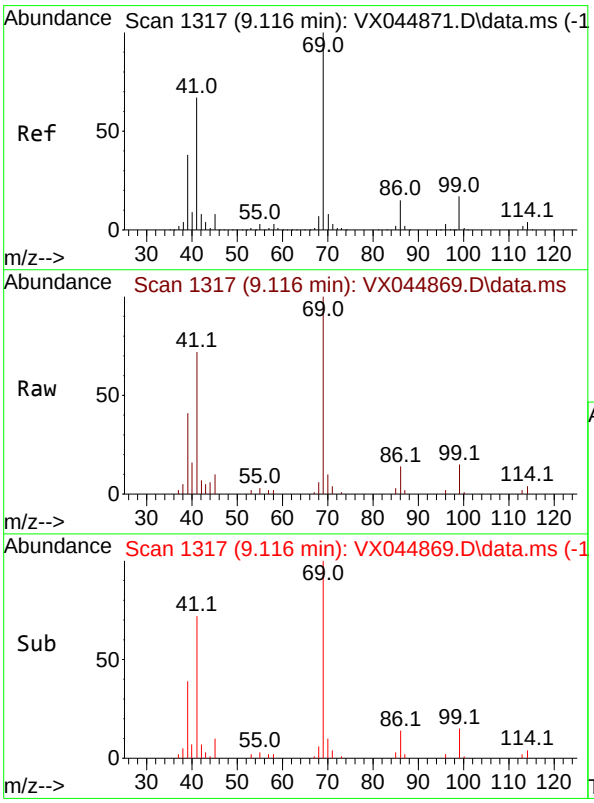
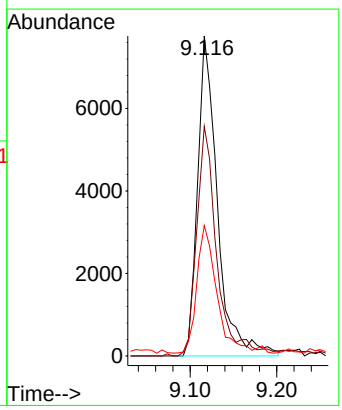
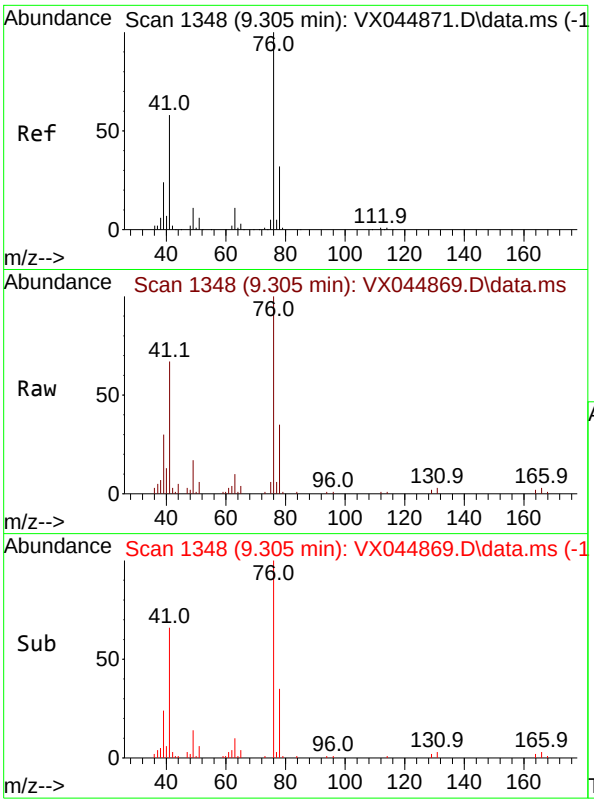


#56
Ethyl methacrylate
Concen: 4.502 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 69 Resp: 12351

Ion	Ratio	Lower	Upper
69	100		
41	73.0	55.2	82.8
39	39.5	30.8	46.2

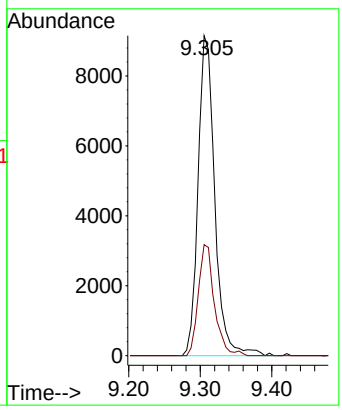




#57
1,3-Dichloropropane
Concen: 4.993 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 76 Resp: 1483

Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.8	38.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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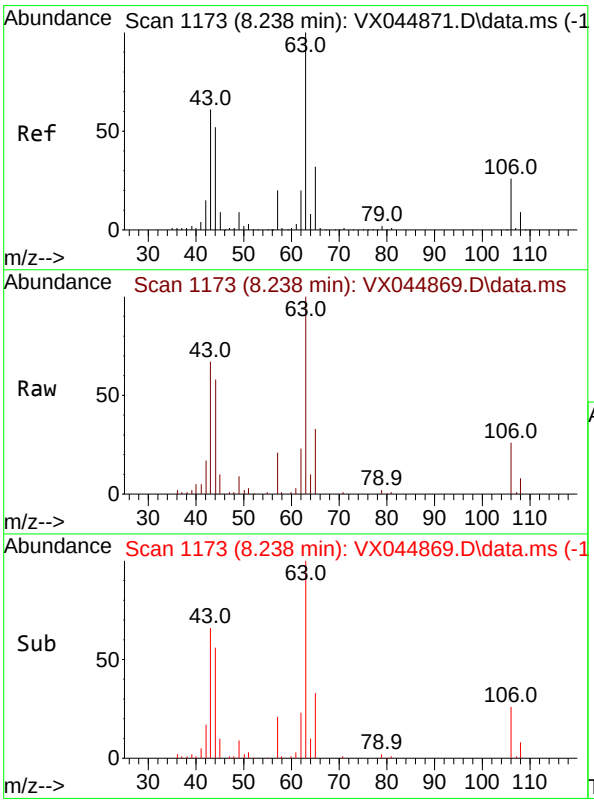
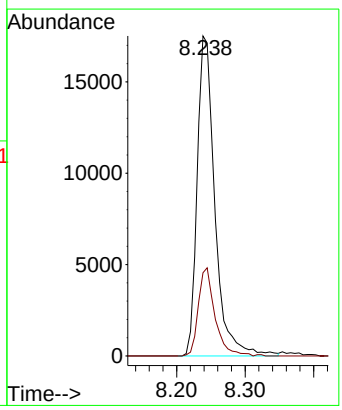
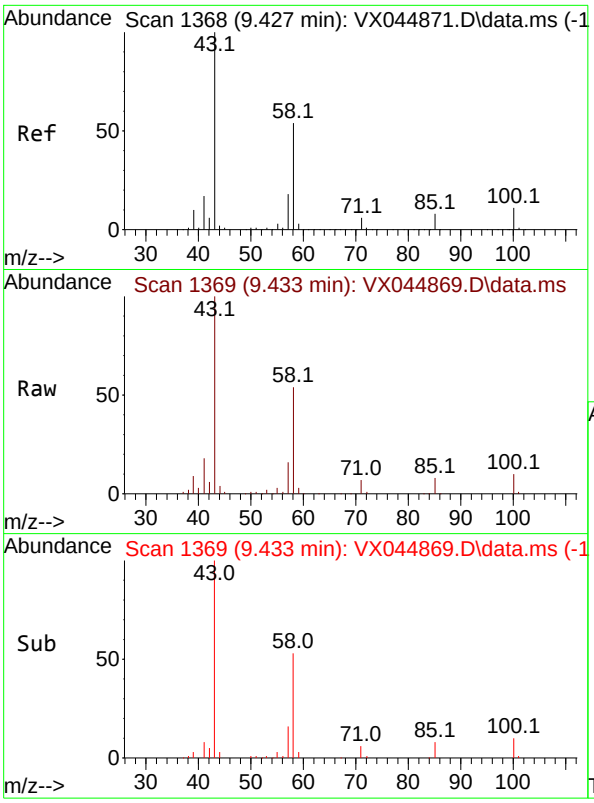


#58
2-Chloroethyl Vinyl ether
Concen: 23.382 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 31498

Ion	Ratio	Lower	Upper
63	100		
106	25.8	21.3	31.9

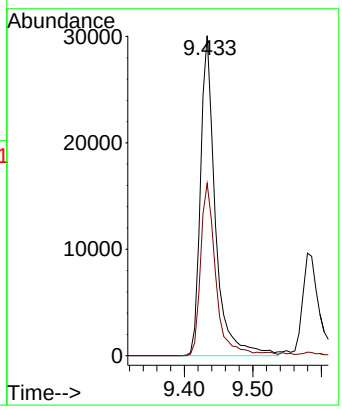




#59
2-Hexanone
Concen: 24.359 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 4553

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.5	82.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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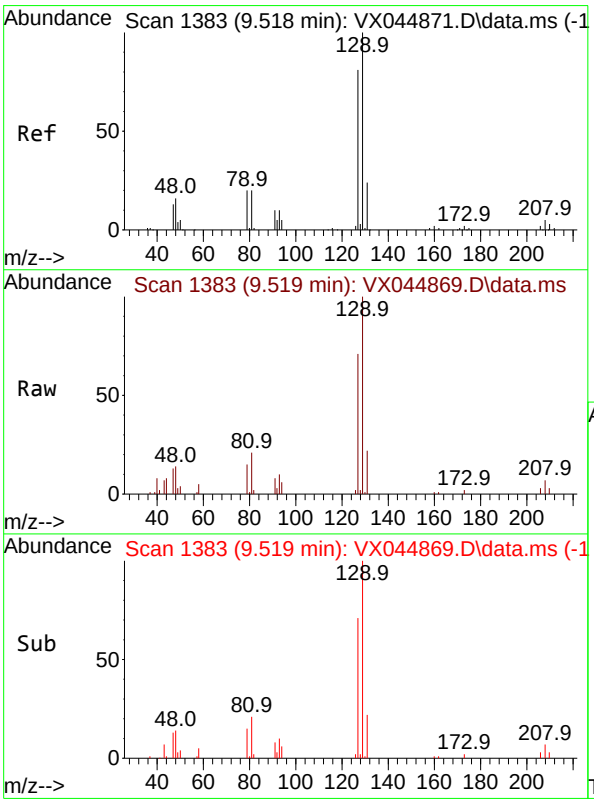
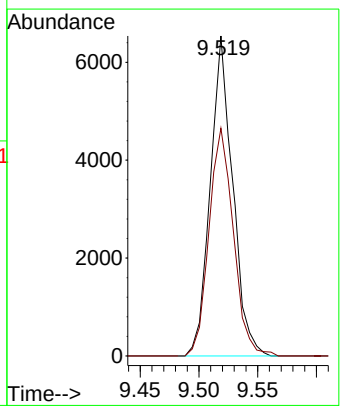
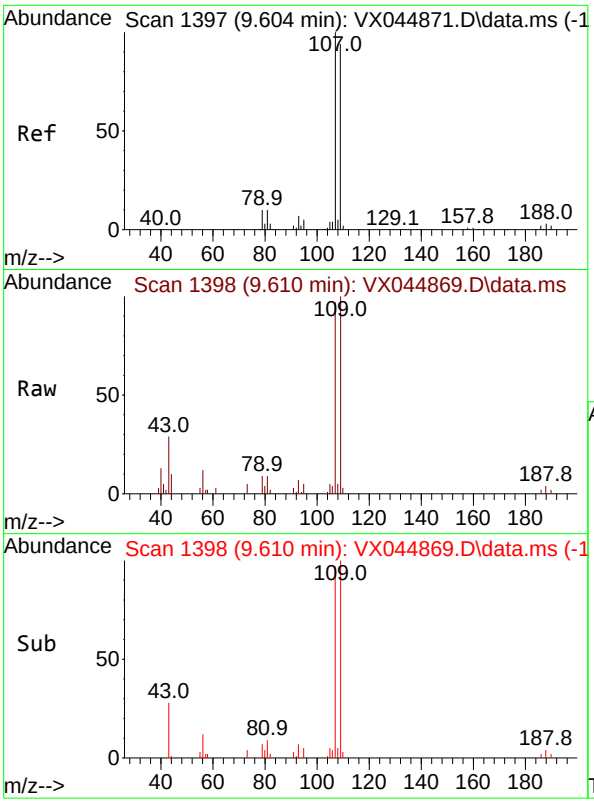


#60
Dibromochloromethane
Concen: 4.771 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:129 Resp: 8668

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.3





#61
1,2-Dibromoethane
Concen: 4.852 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

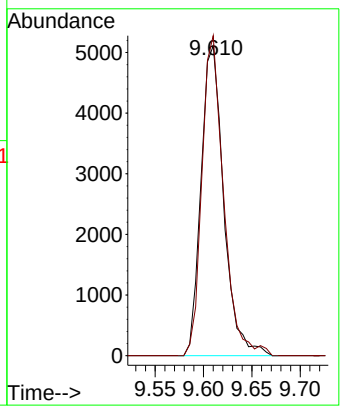
Tgt Ion:107 Resp: 835

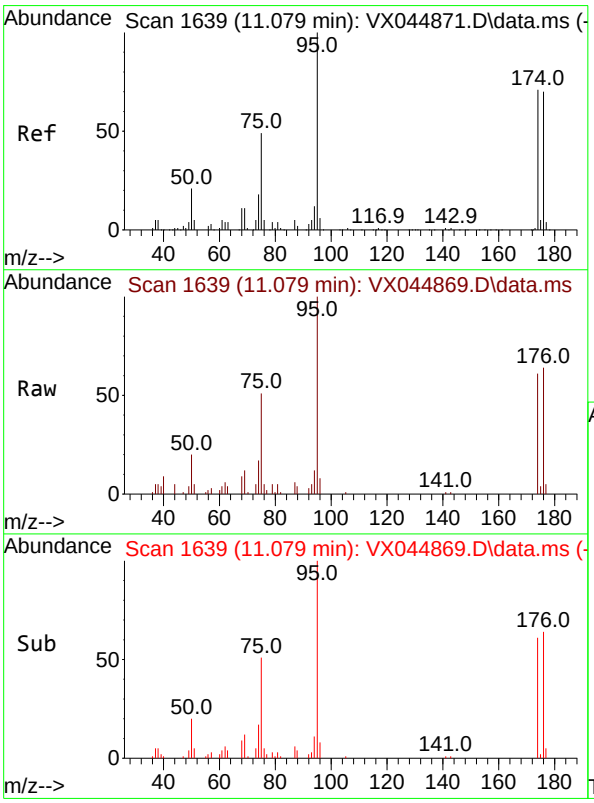
Ion	Ratio	Lower	Upper
107	100		
109	98.8	75.9	113.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

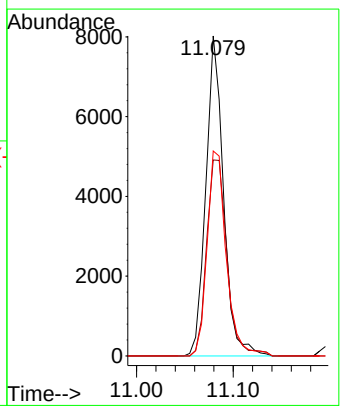


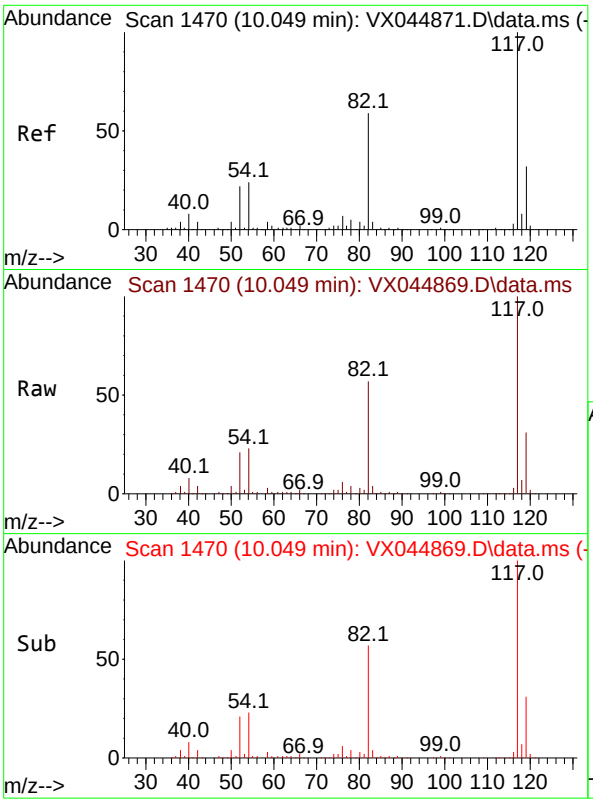


#62
4-Bromofluorobenzene
Concen: 4.872 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 95 Resp: 10229

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	142.6
176	69.3	0.0	141.6

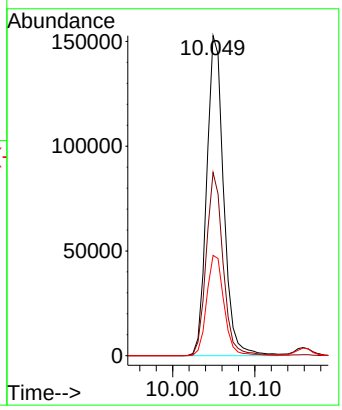




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:117 Resp: 21862

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.5	71.3
119	31.4	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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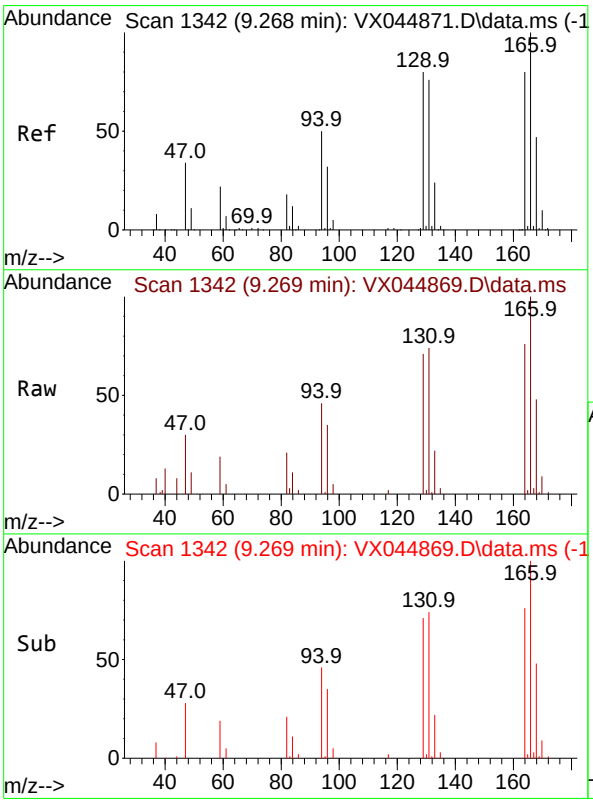
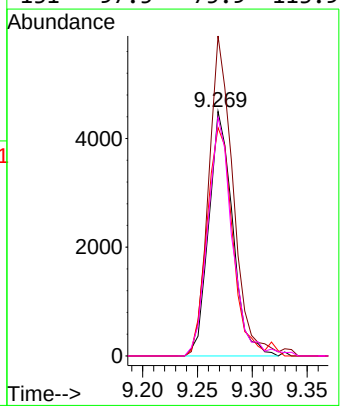
Supervised By :Mahesh Dadoda 02/11/2025

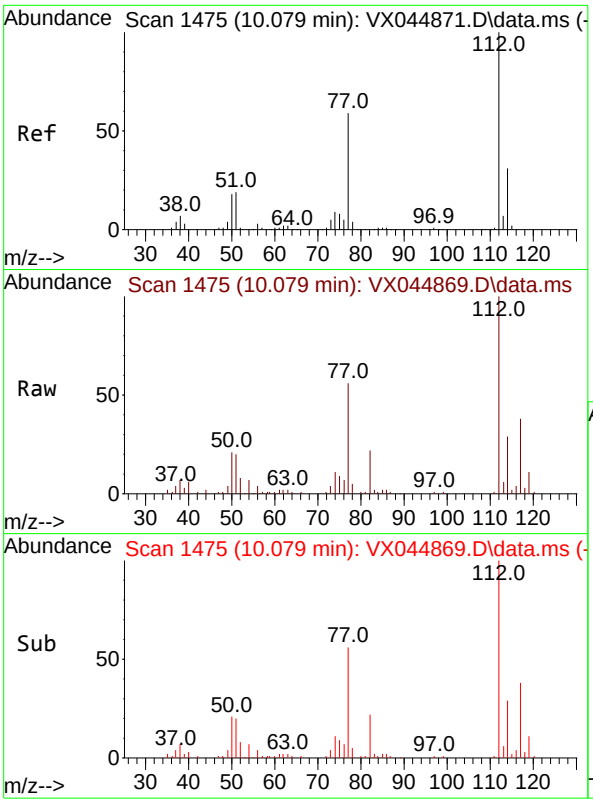


#64
Tetrachloroethene
Concen: 4.934 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:164 Resp: 6803

Ion	Ratio	Lower	Upper
164	100		
166	130.9	100.4	150.6
129	93.4	79.9	119.9
131	97.5	75.9	113.9

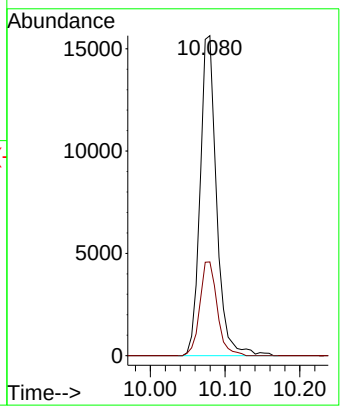




#65
Chlorobenzene
Concen: 5.090 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:112 Resp: 2390

Ion	Ratio	Lower	Upper
112	100		
114	29.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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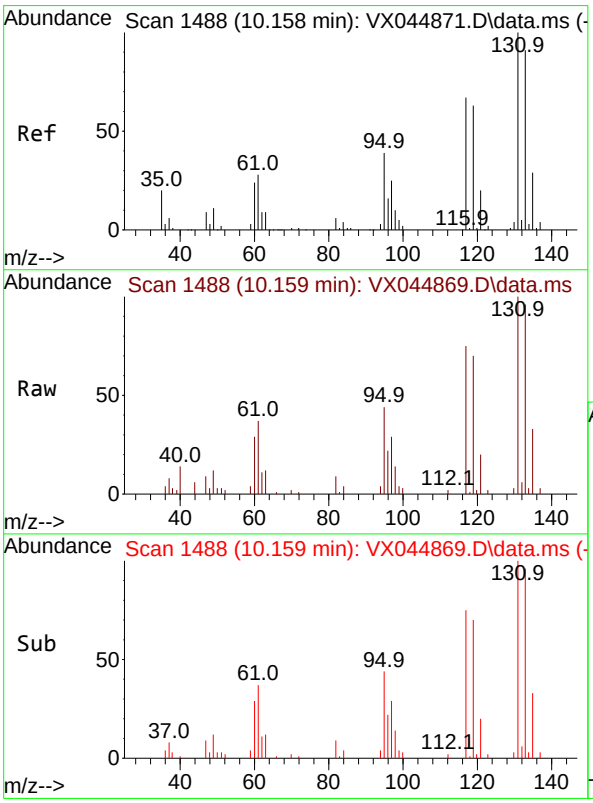
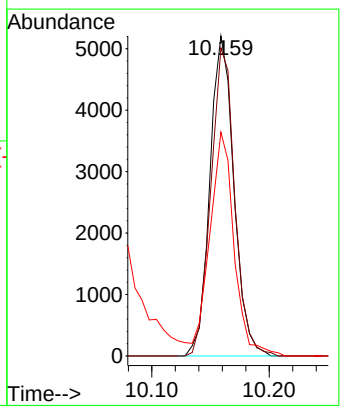
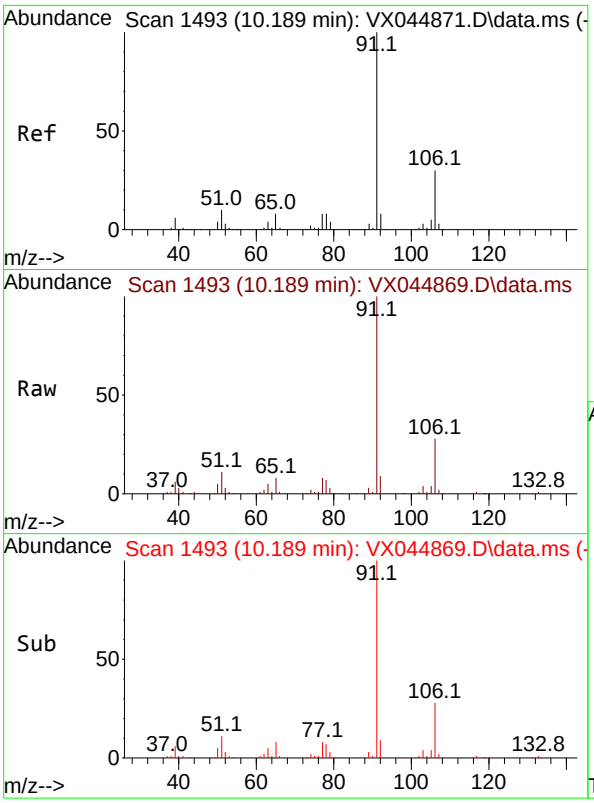


#66
1,1,1,2-Tetrachloroethane
Concen: 4.883 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:131 Resp: 7380

Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.1	141.3
119	70.5	33.6	100.6

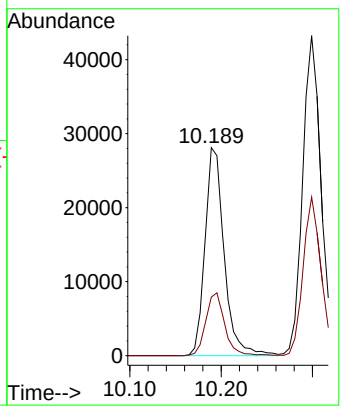




#67
Ethyl Benzene
Concen: 4.941 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 4094

Ion	Ratio	Lower	Upper
91	100		
106	28.1	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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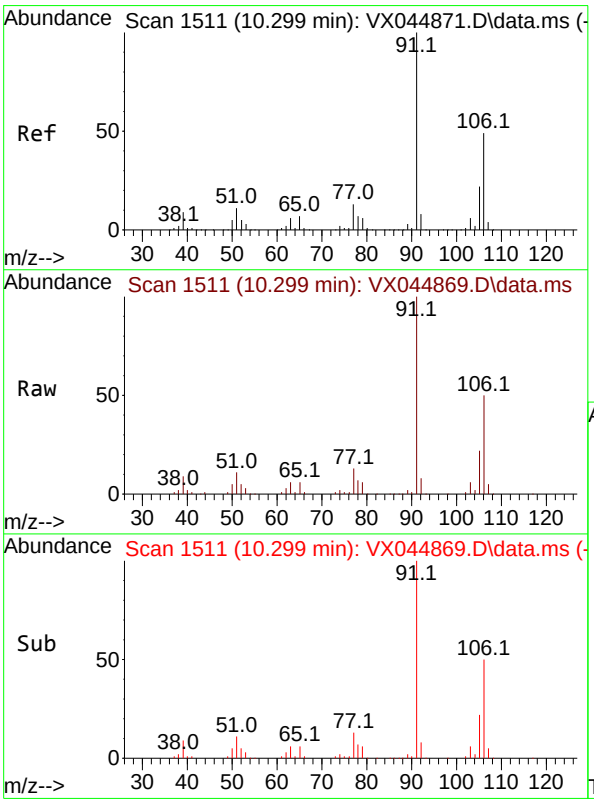
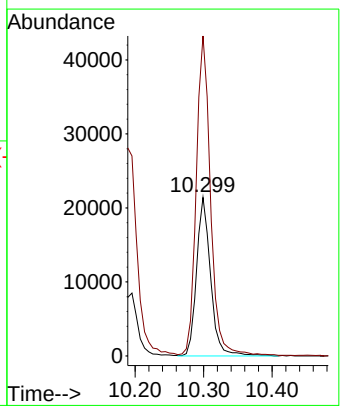
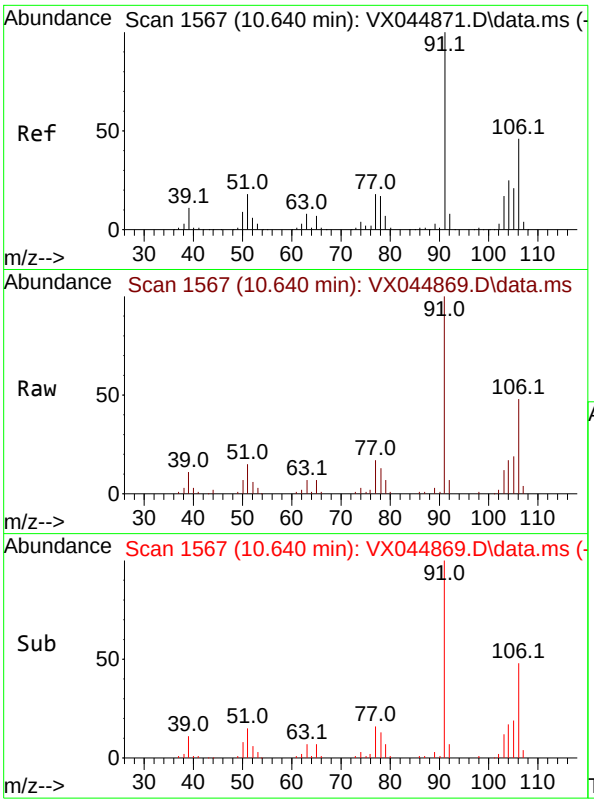


#68
m/p-Xylenes
Concen: 10.019 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:106 Resp: 30627

Ion	Ratio	Lower	Upper
106	100		
91	204.6	164.3	246.5

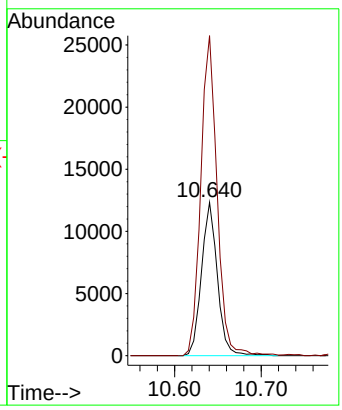




#69
o-Xylene
Concen: 5.139 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:106 Resp: 1576

Ion	Ratio	Lower	Upper
106	100		
91	213.9	108.5	325.5



Instrument :
MSVOA_X
ClientSampleId :
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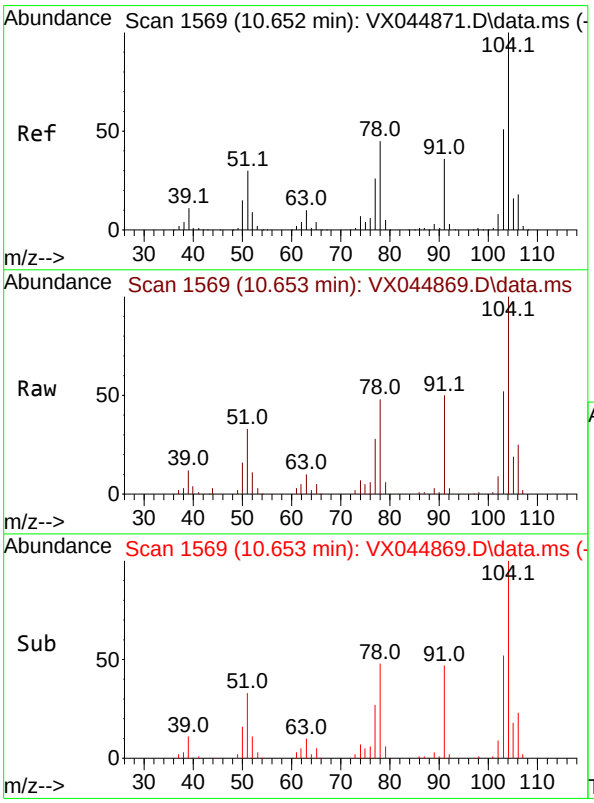
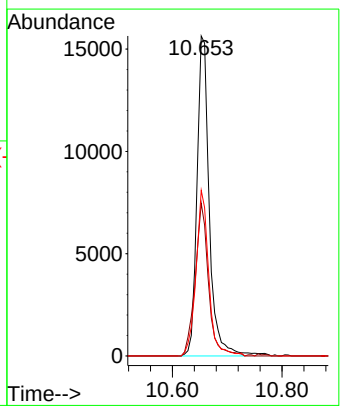
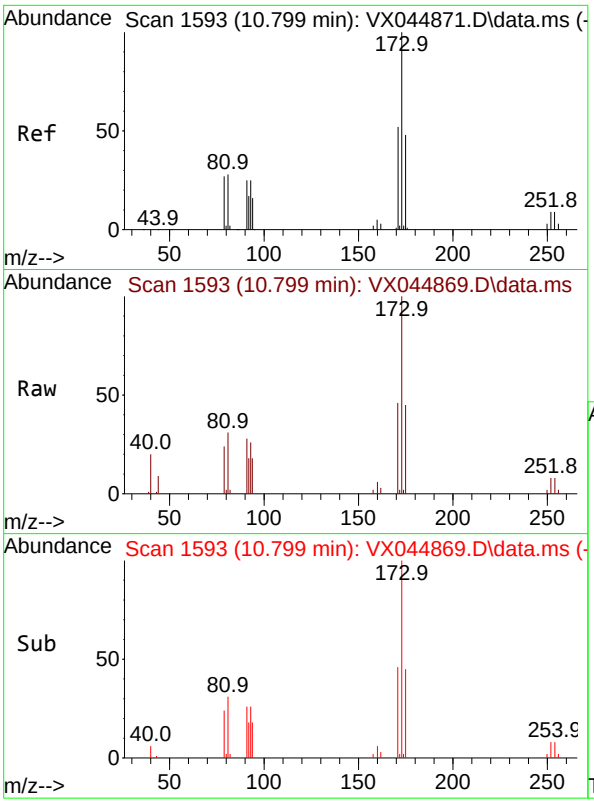


#70
Styrene
Concen: 4.973 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:104 Resp: 24576

Ion	Ratio	Lower	Upper
104	100		
78	51.3	40.5	60.7
103	53.4	43.6	65.4

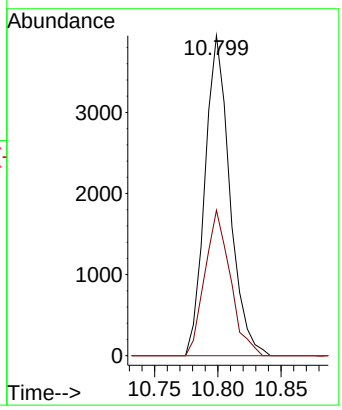




#71
Bromoform
Concen: 4.779 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:173 Resp: 539

Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.3	72.8
254	0.0	0.0	0.0



Instrument :
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ClientSampleId :
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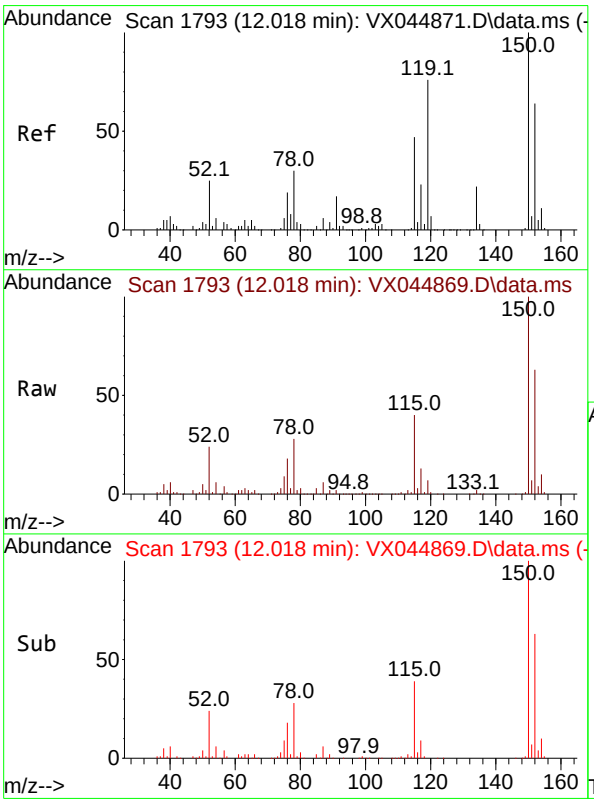
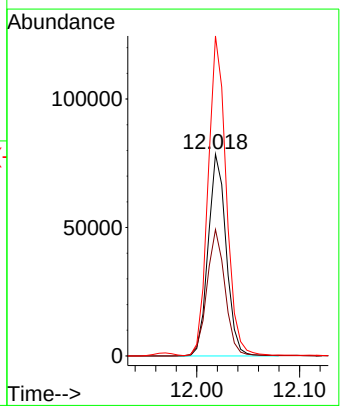
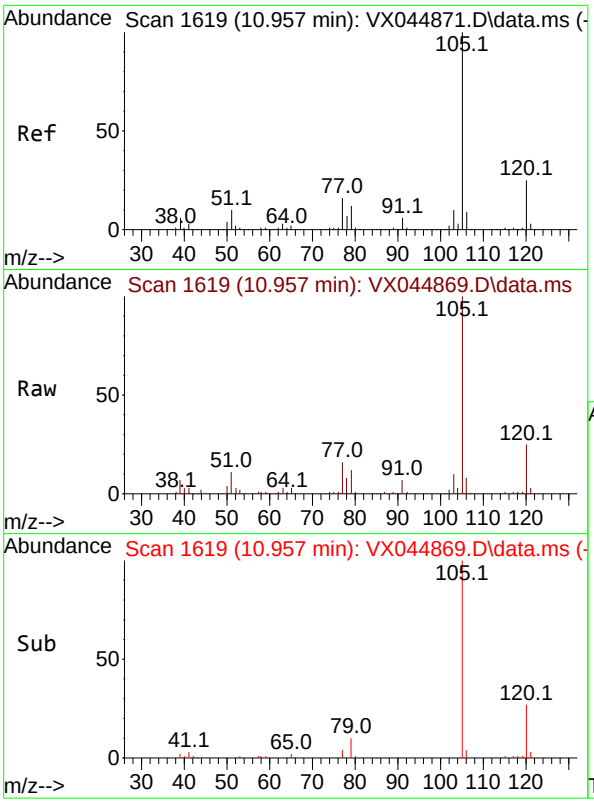


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:152 Resp: 95494

Ion	Ratio	Lower	Upper
152	100		
115	63.3	43.4	130.1
150	159.0	0.0	350.4





#73
Isopropylbenzene
Concen: 4.983 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:105 Resp: 3831

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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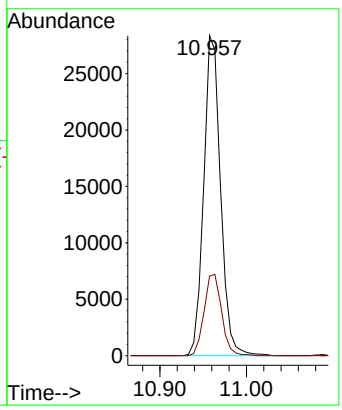
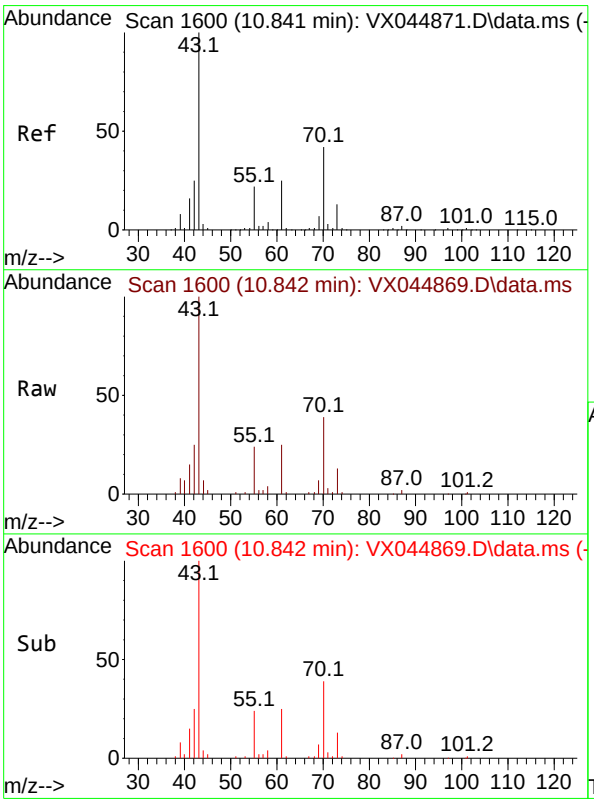
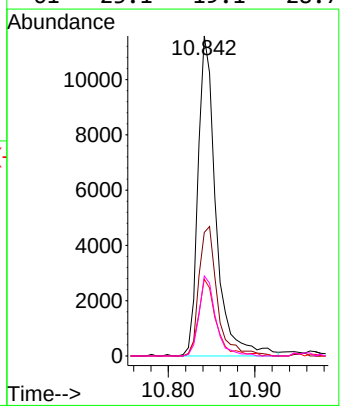


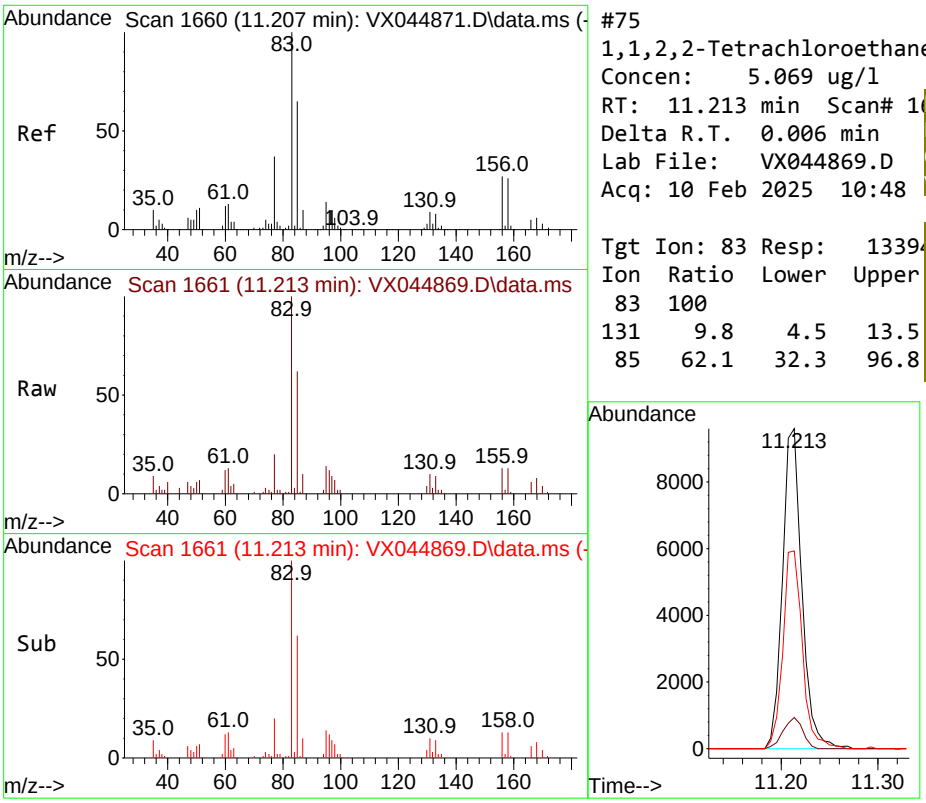


#74
N-amyl acetate
Concen: 4.786 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 16653

Ion	Ratio	Lower	Upper
43	100		
70	41.5	33.7	50.5
55	23.5	18.6	27.8
61	23.1	19.1	28.7





#75
1,1,2,2-Tetrachloroethane
Concen: 5.069 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 83 Resp: 1339

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.5
85	62.1	32.3	96.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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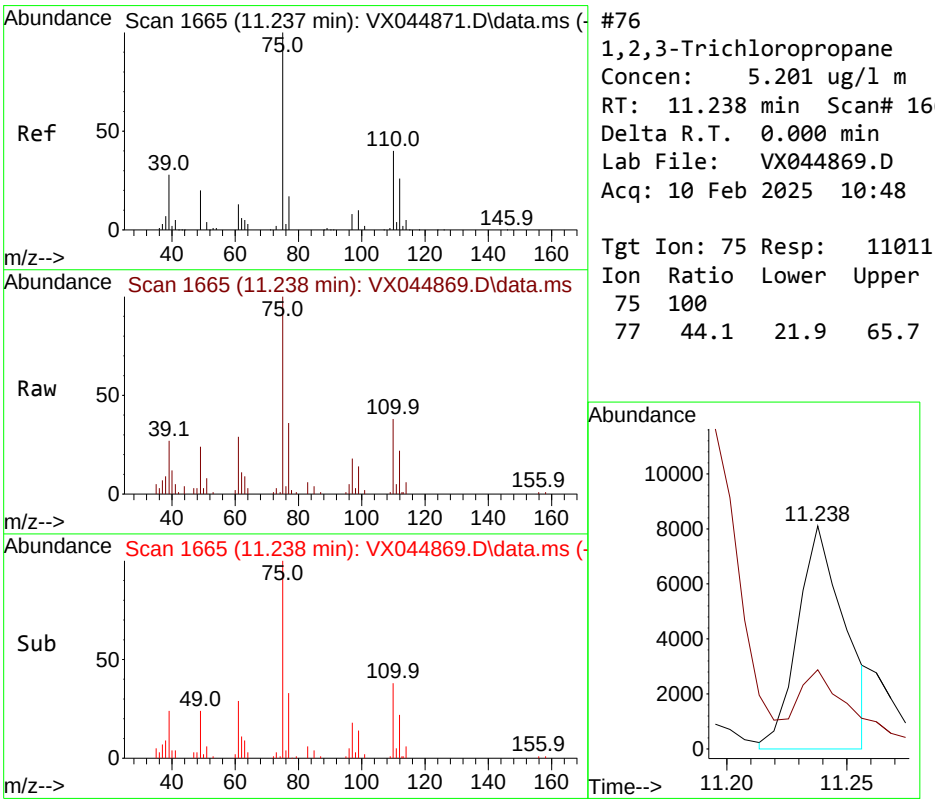
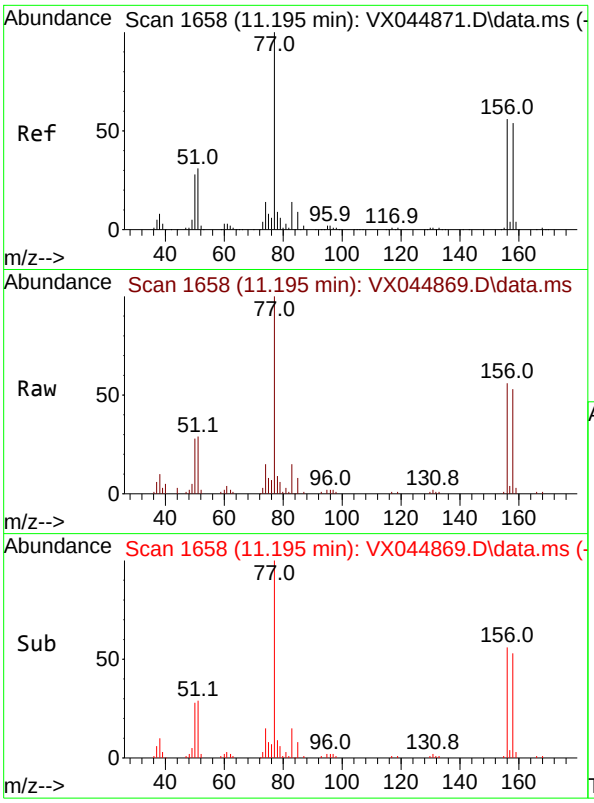


#76
1,2,3-Trichloropropane
Concen: 5.201 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 11011

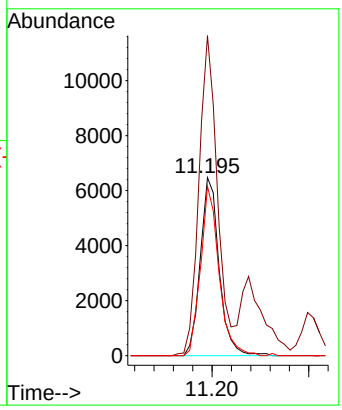
Ion	Ratio	Lower	Upper
75	100		
77	44.1	21.9	65.7



#77
Bromobenzene
Concen: 5.042 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:156 Resp: 878

Ion	Ratio	Lower	Upper
156	100		
77	174.1	88.4	265.3
158	92.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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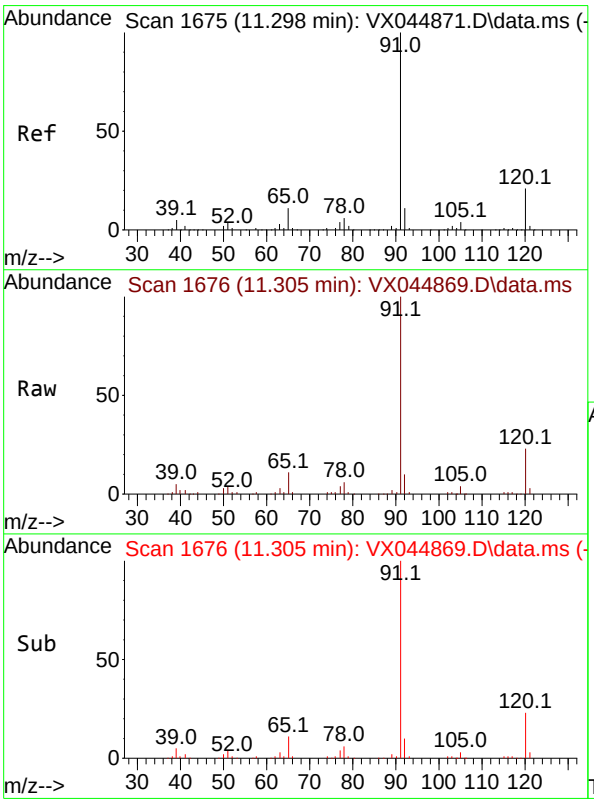
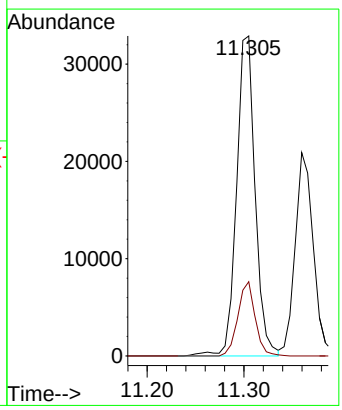
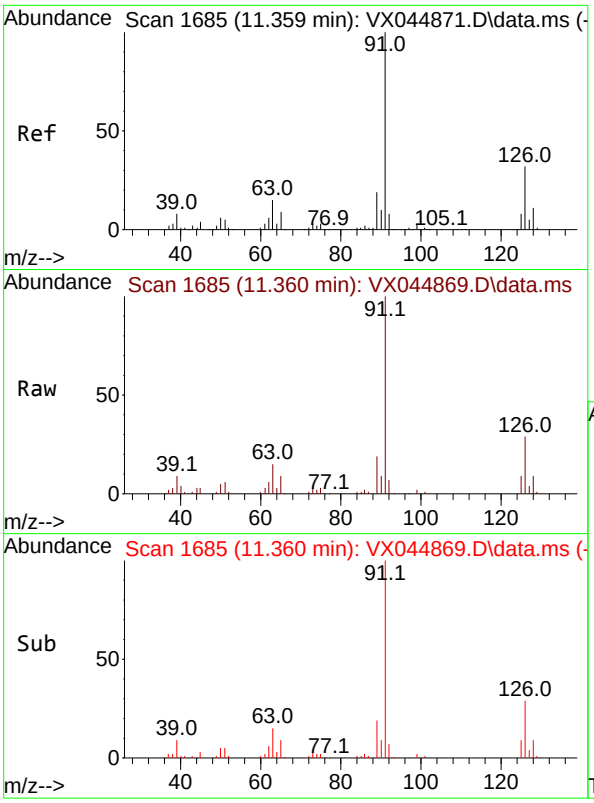


#78
n-propylbenzene
Concen: 4.949 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 43923

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.1	33.3

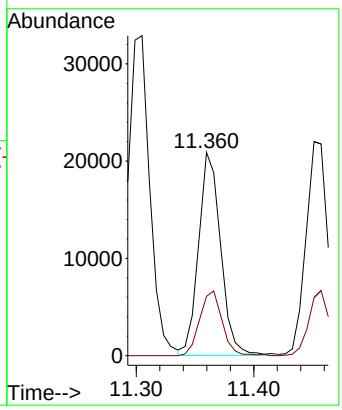




#79
2-Chlorotoluene
Concen: 5.007 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 2731

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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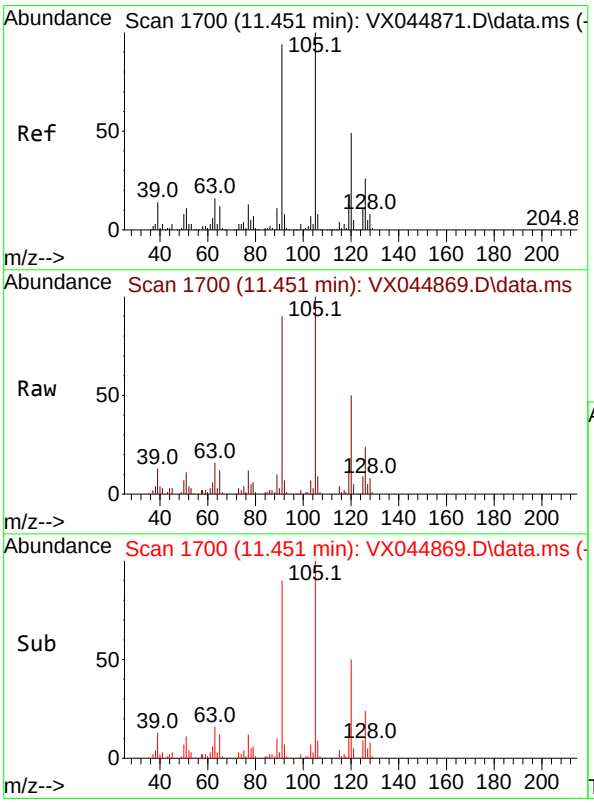
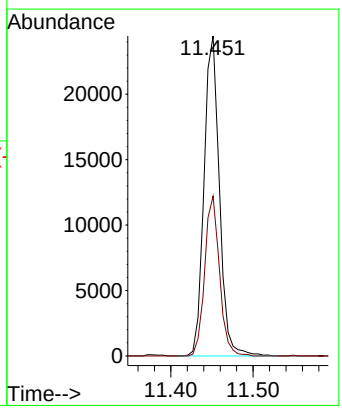
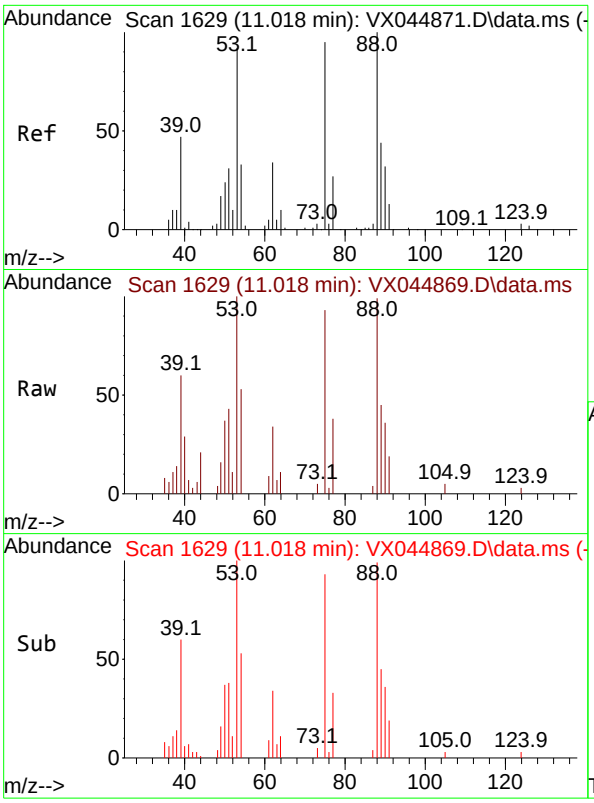


#80
1,3,5-Trimethylbenzene
Concen: 5.090 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:105 Resp: 31761

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.0	72.0

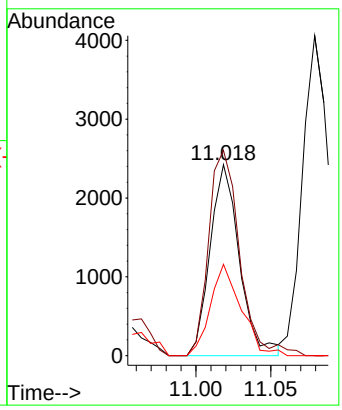




#81
trans-1,4-Dichloro-2-butene
Concen: 4.013 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 330

Ion	Ratio	Lower	Upper
75	100		
53	113.7	78.0	117.0
89	50.2	36.6	54.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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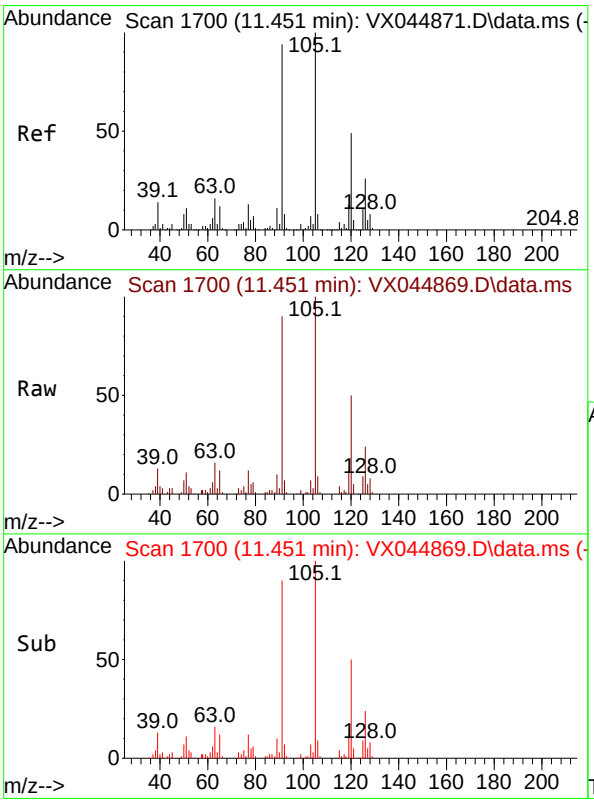
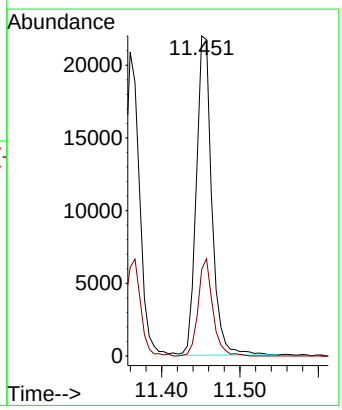
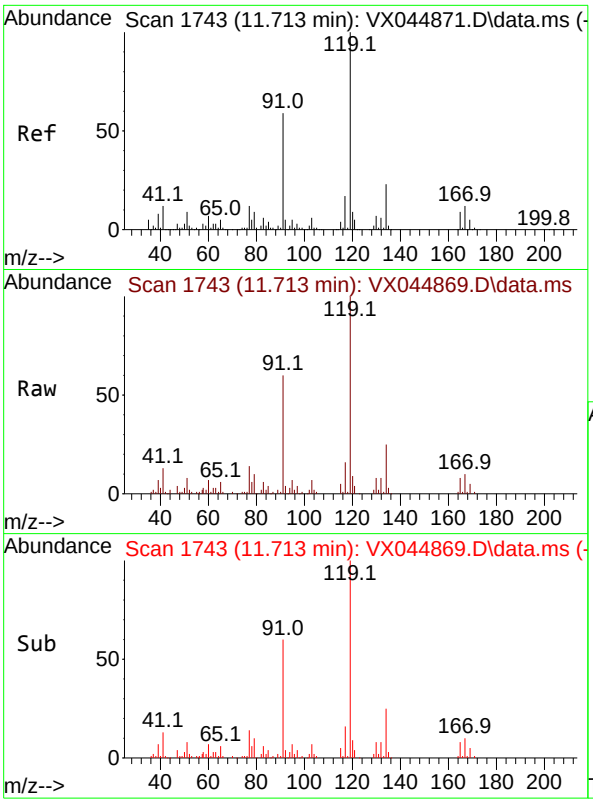


#82
4-Chlorotoluene
Concen: 4.994 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 30138

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6

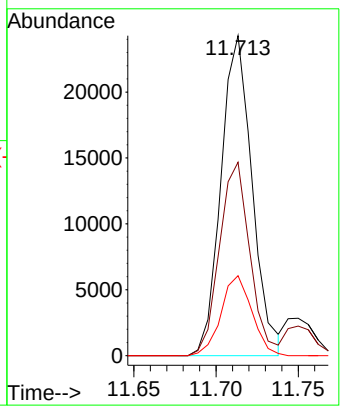




#83
tert-Butylbenzene
Concen: 5.068 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:119 Resp: 3199

Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.1	87.4
134	24.7	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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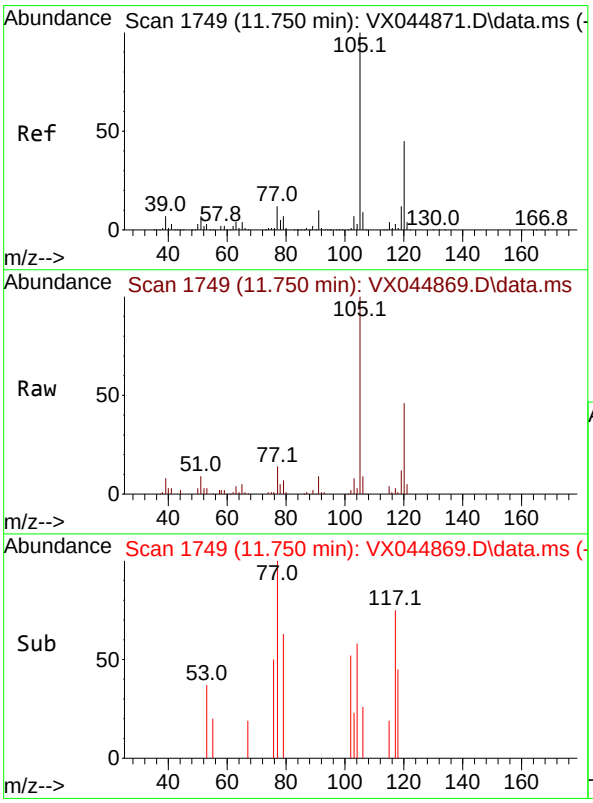
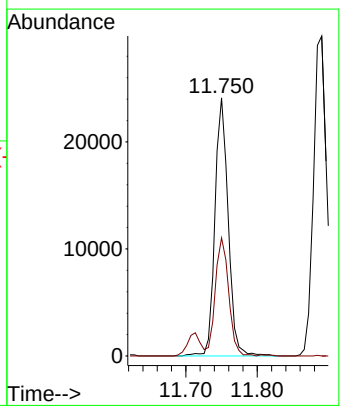
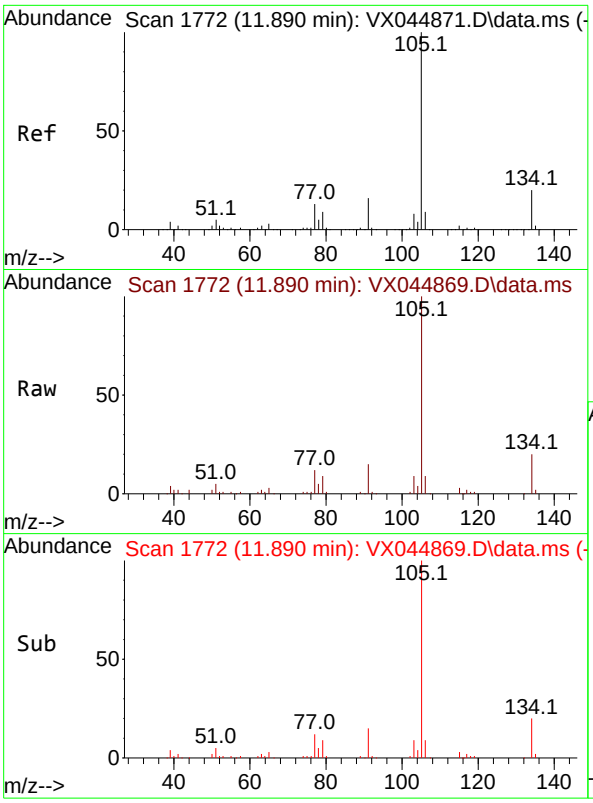


#84
1,2,4-Trimethylbenzene
Concen: 5.042 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:105 Resp: 31053

Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.4	67.0

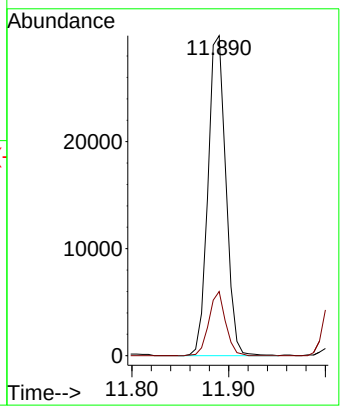




#85
sec-Butylbenzene
Concen: 4.917 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:105 Resp: 3843

Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.8	29.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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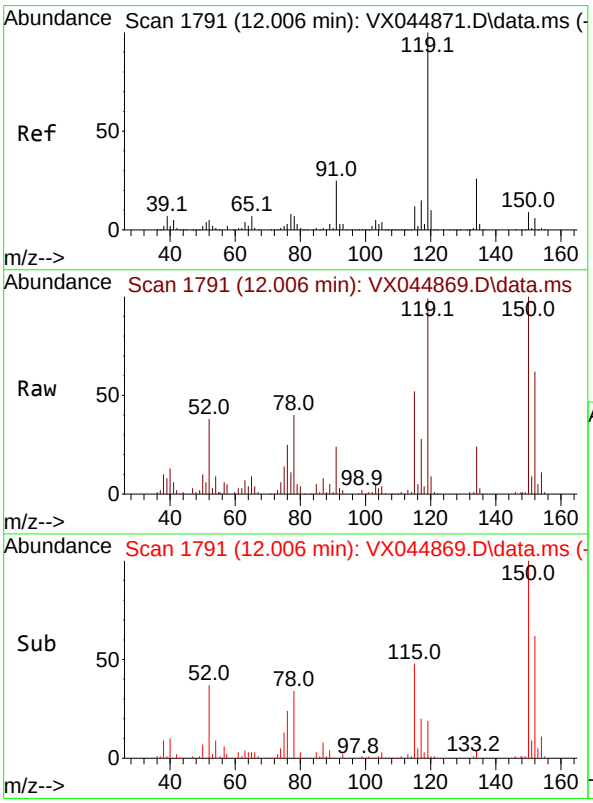
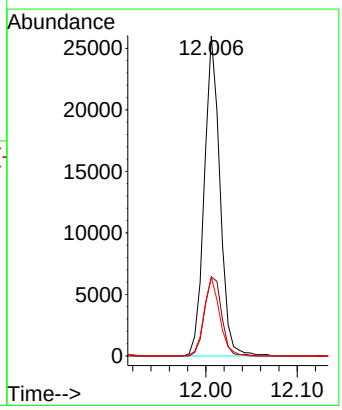
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

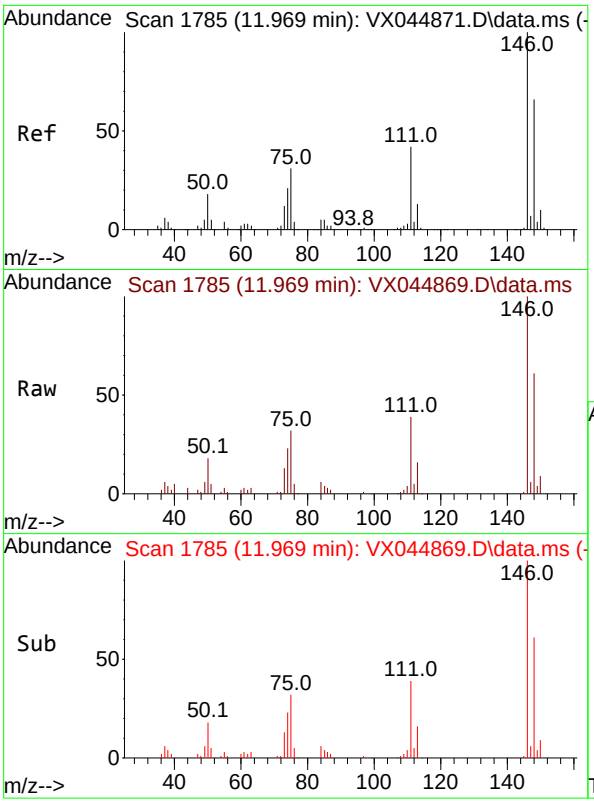


#86
p-Isopropyltoluene
Concen: 4.905 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:119 Resp: 30835

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	38.9
91	24.6	12.1	36.3

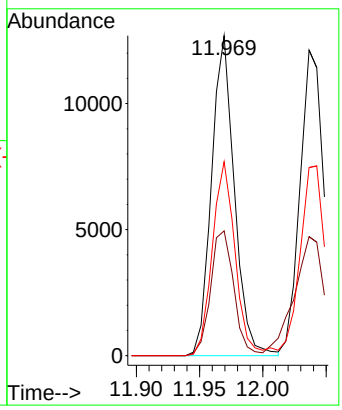




#87
1,3-Dichlorobenzene
Concen: 4.971 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:146 Resp: 1593

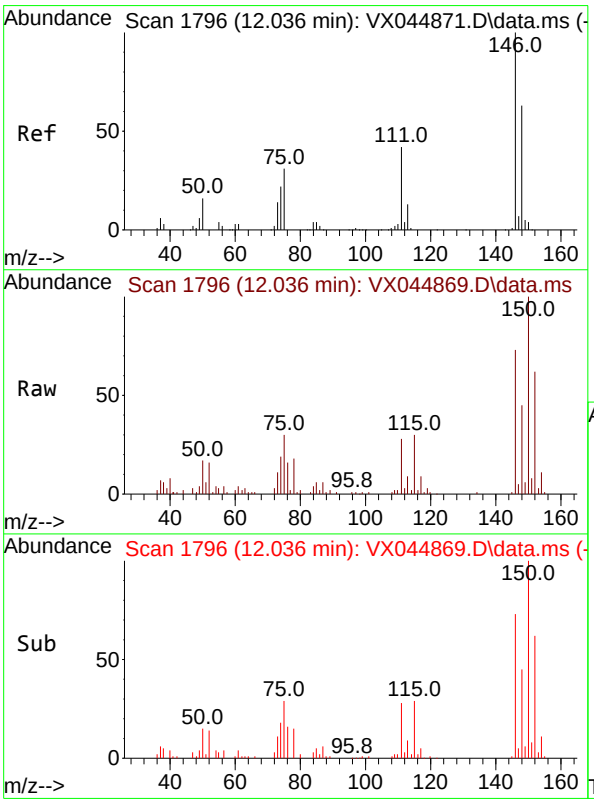
Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.2	63.6
148	60.0	32.5	97.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

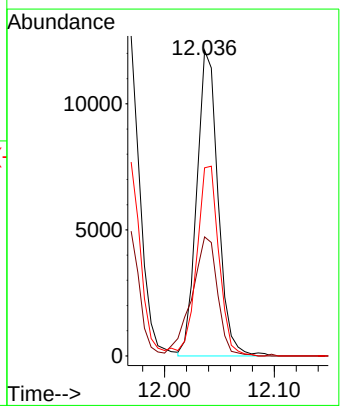
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

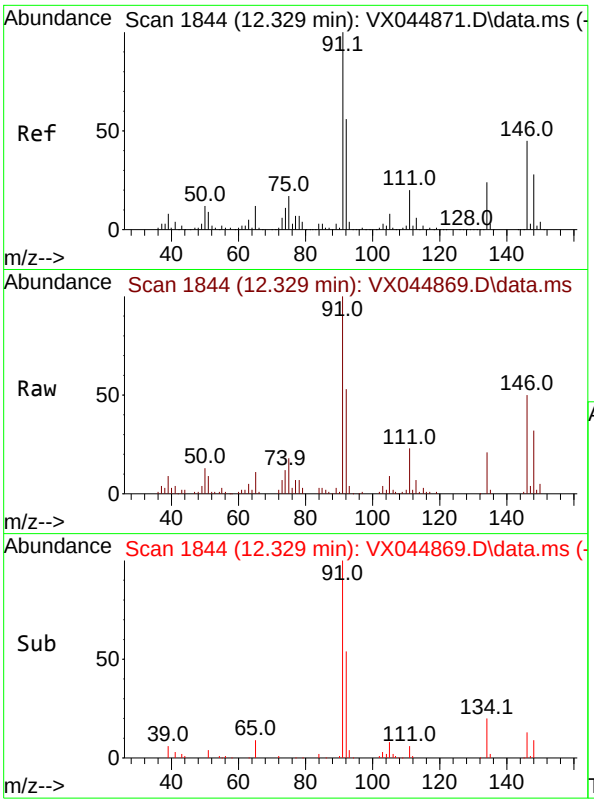


#88
1,4-Dichlorobenzene
Concen: 5.043 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:146 Resp: 16347

Ion	Ratio	Lower	Upper
146	100		
111	47.4	20.4	61.3
148	65.3	32.0	96.0

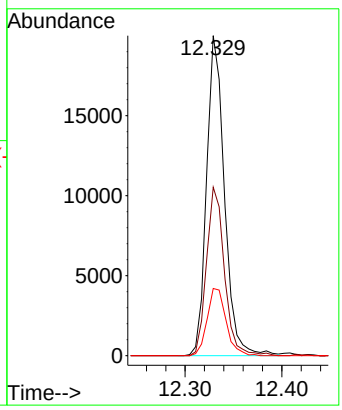




#89
n-Butylbenzene
Concen: 4.630 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 2574

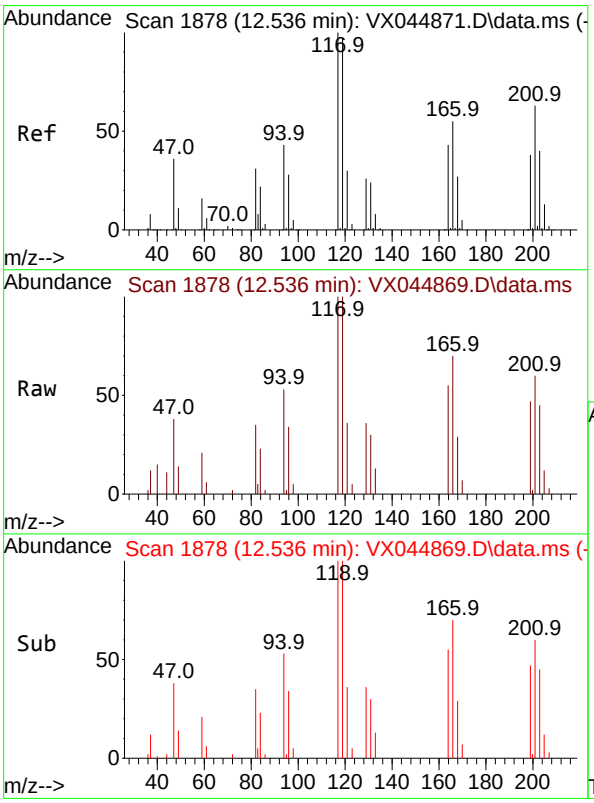
Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.2	81.6
134	22.3	12.1	36.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

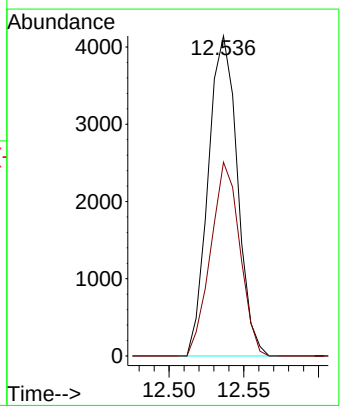
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

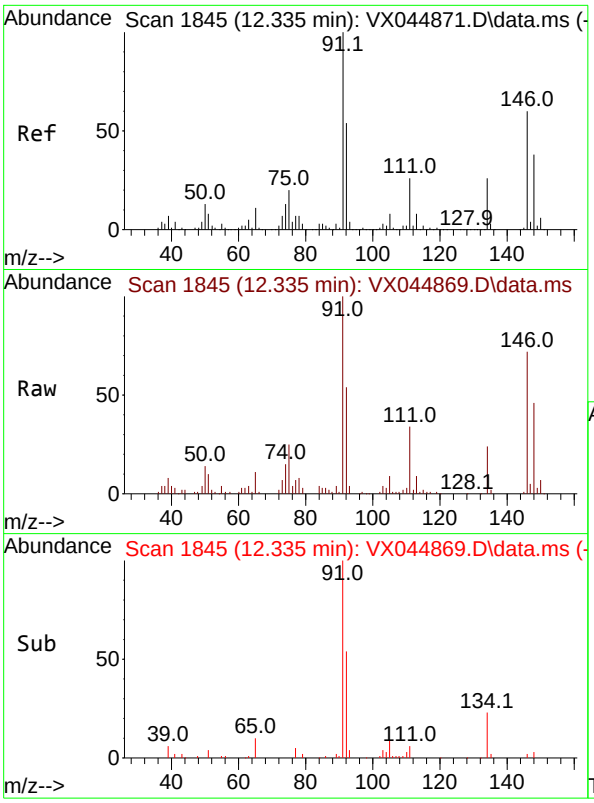


#90
Hexachloroethane
Concen: 4.775 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:117 Resp: 5620

Ion	Ratio	Lower	Upper
117	100		
201	60.6	32.5	97.5

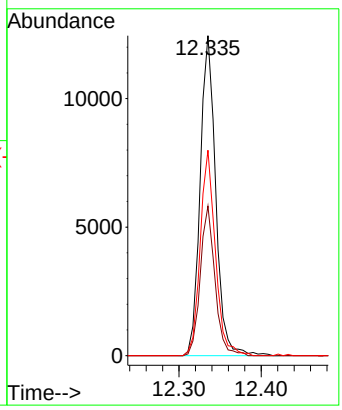




#91
1,2-Dichlorobenzene
Concen: 5.193 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:146 Resp: 1636

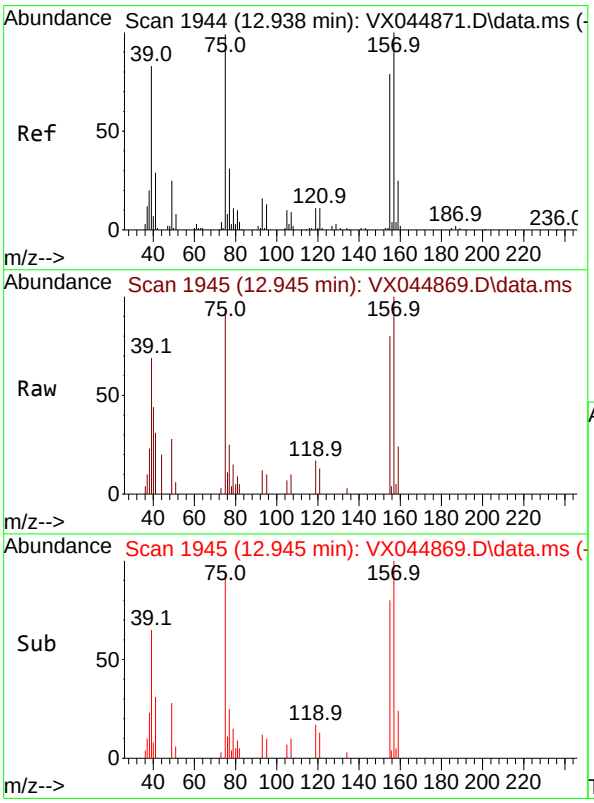
Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.8	65.4
148	62.7	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

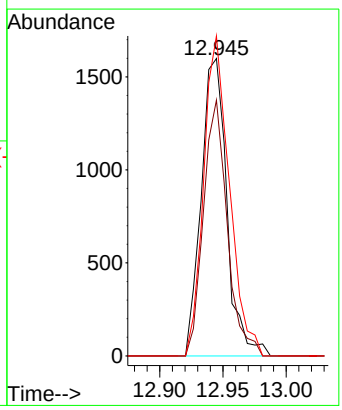
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

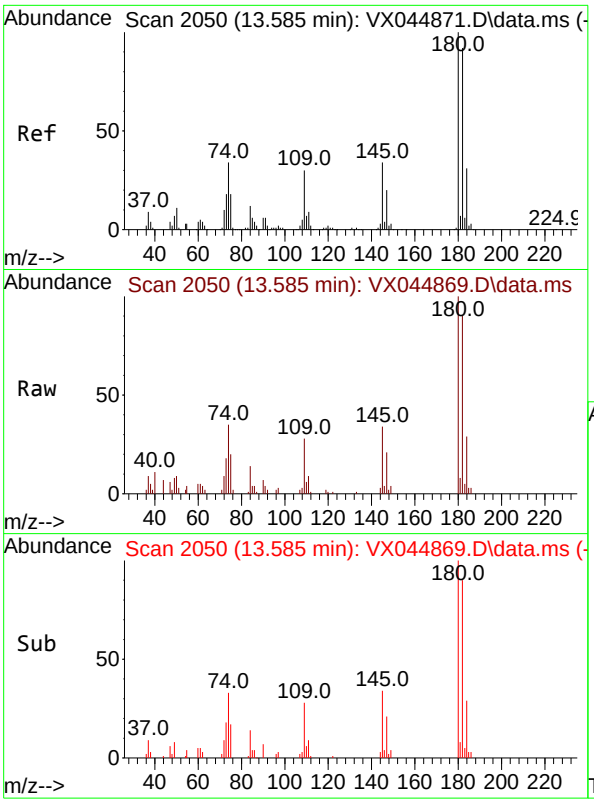


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.674 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 2254

Ion	Ratio	Lower	Upper
75	100		
155	80.0	40.5	121.4
157	108.1	51.4	154.3

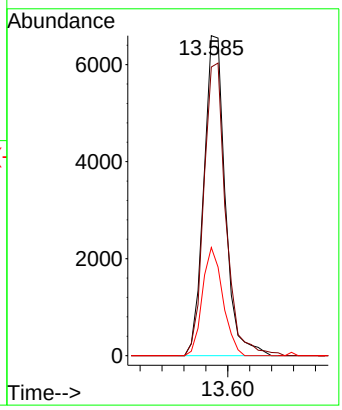




#93
1,2,4-Trichlorobenzene
Concen: 4.680 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:180 Resp: 892

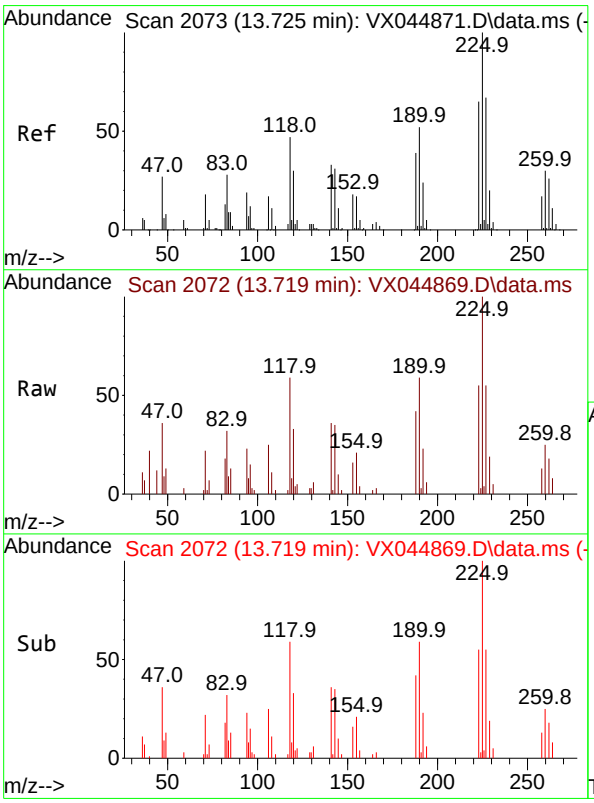
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.6	142.8
145	32.3	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

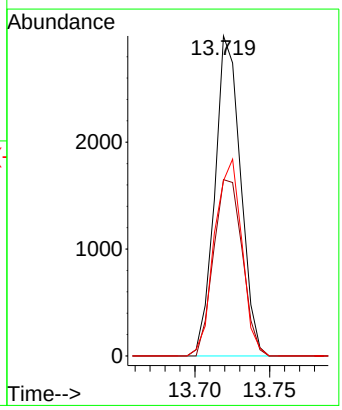
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

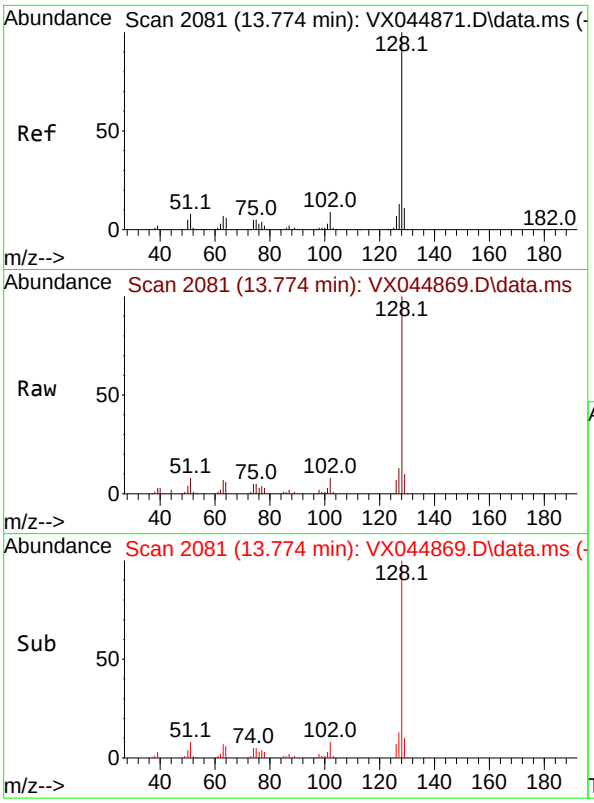


#94
Hexachlorobutadiene
Concen: 4.750 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:225 Resp: 3595

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.2
227	65.1	32.3	96.8

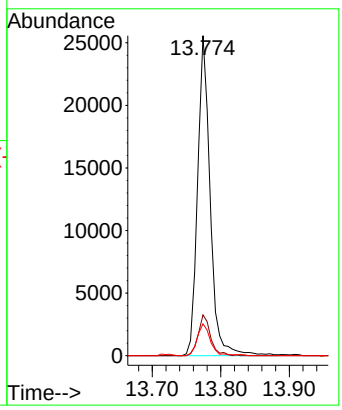




#95
Naphthalene
Concen: 4.756 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:128 Resp: 3277

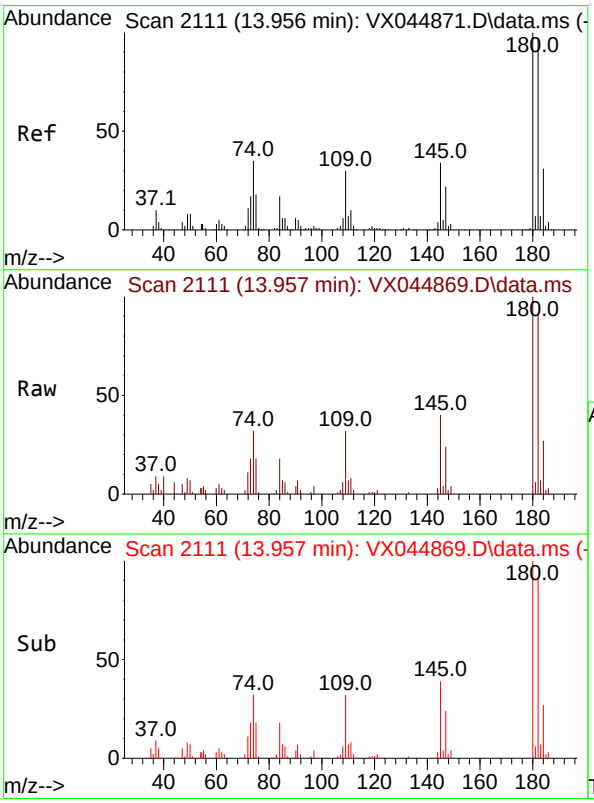
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.3	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

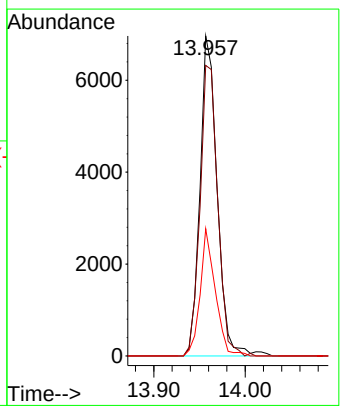
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.733 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:180 Resp: 9093

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.6
145	35.0	17.1	51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	207667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	37195	19.616	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 39.240%#			
35) Dibromofluoromethane	5.379	113	30170	19.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 39.580%#			
50) Toluene-d8	8.647	98	117127	20.321	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 40.640%#			
62) 4-Bromofluorobenzene	11.079	95	38475	19.800	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 39.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	37123	20.434	ug/l	98
3) Chloromethane	1.301	50	44666	20.200	ug/l	95
4) Vinyl Chloride	1.374	62	43901	20.494	ug/l	99
5) Bromomethane	1.593	94	13057	20.369	ug/l	99
6) Chloroethane	1.660	64	14523	16.522	ug/l	94
7) Trichlorofluoromethane	1.868	101	56805	20.969	ug/l	98
8) Diethyl Ether	2.130	74	20699	21.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34593	21.135	ug/l	99
10) Methyl Iodide	2.441	142	44749	21.096	ug/l	99
11) Tert butyl alcohol	2.989	59	35834	101.870	ug/l	100
12) 1,1-Dichloroethene	2.307	96	34270	20.526	ug/l	99
13) Acrolein	2.233	56	33914	93.445	ug/l	99
14) Allyl chloride	2.654	41	61485	20.377	ug/l	98
15) Acrylonitrile	3.063	53	98518	104.896	ug/l	98
16) Acetone	2.380	43	77078	101.119	ug/l	98
17) Carbon Disulfide	2.502	76	92552	20.216	ug/l	99
18) Methyl Acetate	2.703	43	47970	19.943	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	110377	20.779	ug/l	98
20) Methylene Chloride	2.782	84	38390	20.562	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	34064	20.730	ug/l	92
22) Diisopropyl ether	3.757	45	120300	21.074	ug/l	93
23) Vinyl Acetate	3.715	43	490239	105.341	ug/l	99
24) 1,1-Dichloroethane	3.599	63	66942	20.958	ug/l	99
25) 2-Butanone	4.556	43	130481	105.417	ug/l	96
26) 2,2-Dichloropropane	4.471	77	51803	20.451	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42096	21.328	ug/l	97
28) Bromochloromethane	4.885	49	31474	20.504	ug/l	99
29) Tetrahydrofuran	5.001	42	86875	105.700	ug/l	99
30) Chloroform	5.087	83	65721	21.217	ug/l	98
31) Cyclohexane	5.458	56	60814	20.653	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54450	20.724	ug/l	100
36) 1,1-Dichloropropene	5.684	75	45991	20.913	ug/l	99
37) Ethyl Acetate	4.715	43	51242	20.949	ug/l	99
38) Carbon Tetrachloride	5.666	117	44802	20.790	ug/l	99
39) Methylcyclohexane	7.373	83	62505	21.985	ug/l	98
40) Benzene	6.031	78	147912	21.540	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	27347	20.887	ug/l		94
42) 1,2-Dichloroethane	6.086	62	47095	21.519	ug/l		100
43) Isopropyl Acetate	6.336	43	84306	21.343	ug/l		99
44) Trichloroethene	7.123	130	34390	21.910	ug/l		96
45) 1,2-Dichloropropane	7.428	63	36510	21.371	ug/l		99
46) Dibromomethane	7.574	93	25300	21.354	ug/l		99
47) Bromodichloromethane	7.818	83	48202	21.012	ug/l		97
48) Methyl methacrylate	7.690	41	39747	21.341	ug/l		100
49) 1,4-Dioxane	7.665	88	17153	429.262	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	263394	109.684	ug/l		99
52) Toluene	8.714	92	89726	21.940	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	48613	20.940	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	55026	21.259	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	33930	21.582	ug/l		98
56) Ethyl methacrylate	9.116	69	54674	21.533	ug/l		99
57) 1,3-Dichloropropane	9.305	76	60079	21.841	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	133072	106.736	ug/l		100
59) 2-Hexanone	9.427	43	190449	110.072	ug/l		98
60) Dibromochloromethane	9.519	129	35706	21.237	ug/l		99
61) 1,2-Dibromoethane	9.604	107	34463	21.628	ug/l		100
64) Tetrachloroethene	9.269	164	28519	21.776	ug/l		97
65) Chlorobenzene	10.073	112	94695	21.230	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30344	21.136	ug/l		99
67) Ethyl Benzene	10.189	91	167865	21.327	ug/l		100
68) m/p-Xylenes	10.299	106	125271	43.144	ug/l		99
69) o-Xylene	10.640	106	62087	21.310	ug/l		97
70) Styrene	10.653	104	103740	22.101	ug/l		98
71) Bromoform	10.799	173	22592	21.086	ug/l	#	99
73) Isopropylbenzene	10.957	105	160147	21.597	ug/l		99
74) N-amyl acetate	10.842	43	70542	21.023	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52967	20.787	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	42040m	20.589	ug/l		
77) Bromobenzene	11.195	156	36021	21.426	ug/l		97
78) n-propylbenzene	11.299	91	183212	21.406	ug/l		99
79) 2-Chlorotoluene	11.360	91	111782	21.250	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	130526	21.691	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	15375	19.370	ug/l		96
82) 4-Chlorotoluene	11.451	91	122303	21.016	ug/l		100
83) tert-Butylbenzene	11.713	119	130358	21.414	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	130211	21.924	ug/l		100
85) sec-Butylbenzene	11.890	105	162875	21.607	ug/l		100
86) p-Isopropyltoluene	12.006	119	130643	21.551	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	64141	20.747	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	64889	20.758	ug/l		98
89) n-Butylbenzene	12.329	91	113705	21.202	ug/l		100
90) Hexachloroethane	12.536	117	23153	20.398	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	64940	21.373	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9873	21.230	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	37308	20.292	ug/l		99
94) Hexachlorobutadiene	13.725	225	15312	20.979	ug/l		96
95) Naphthalene	13.774	128	142902	21.502	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	38389	20.722	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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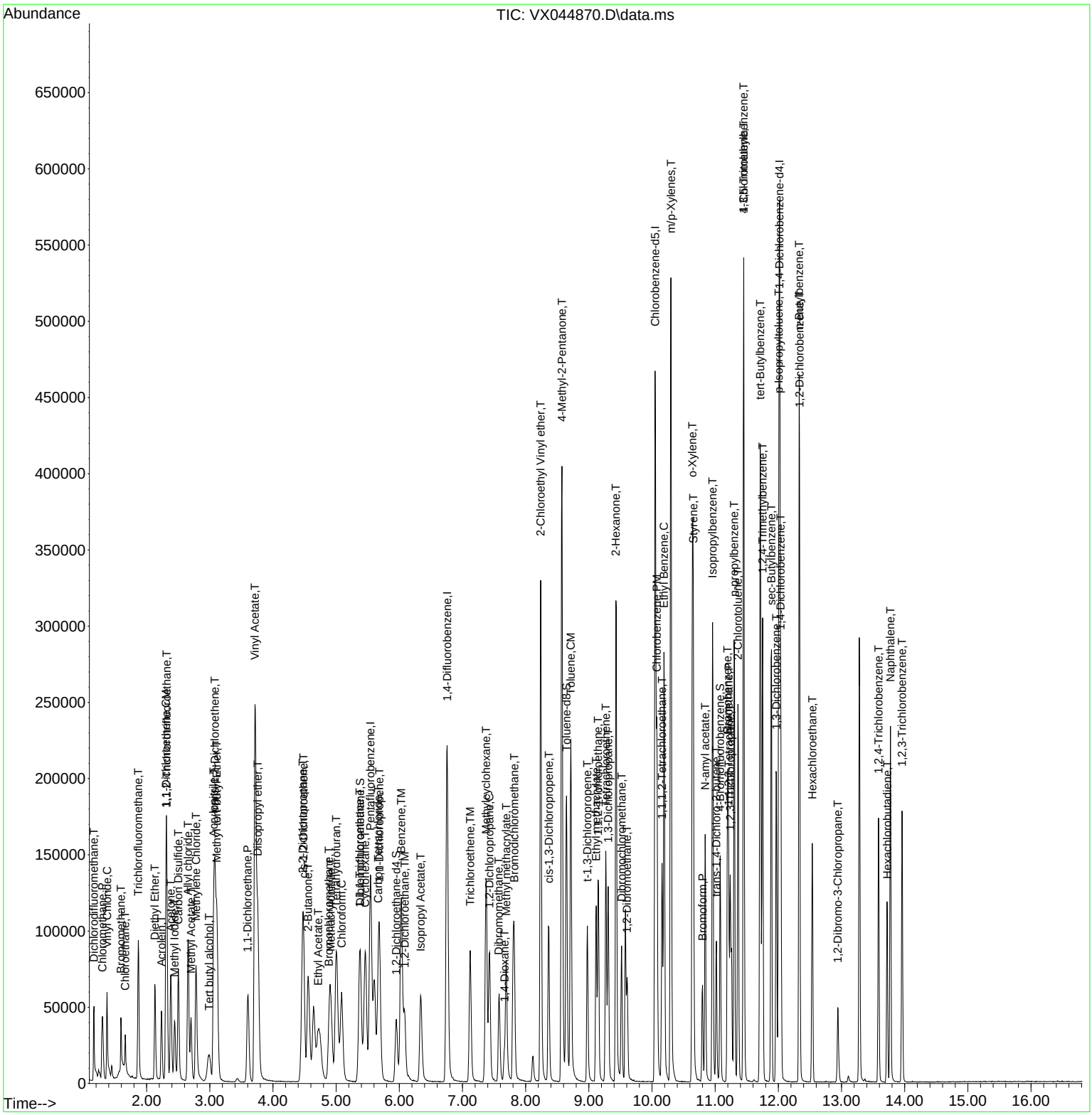
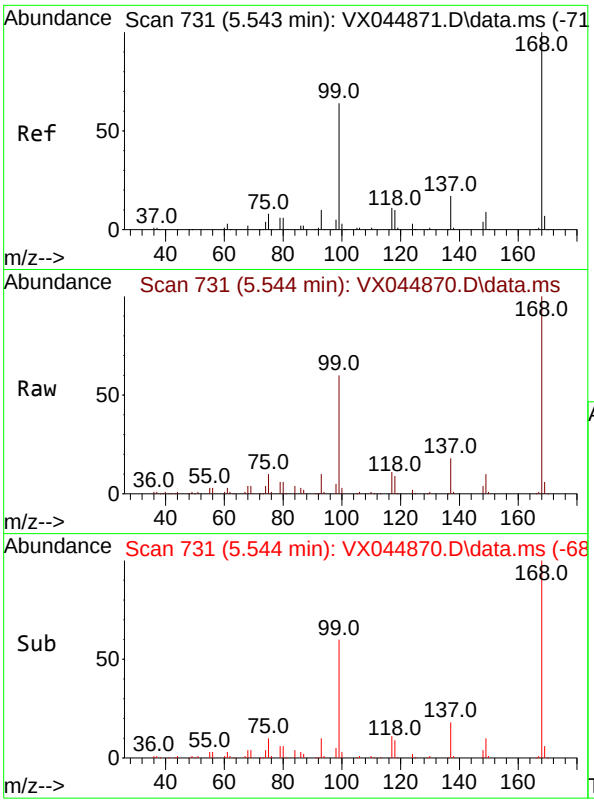
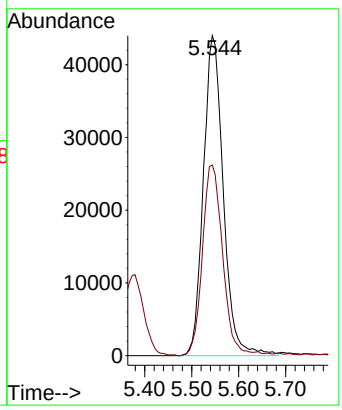




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:168 Resp: 12953

Ion	Ratio	Lower	Upper
168	100		
99	59.6	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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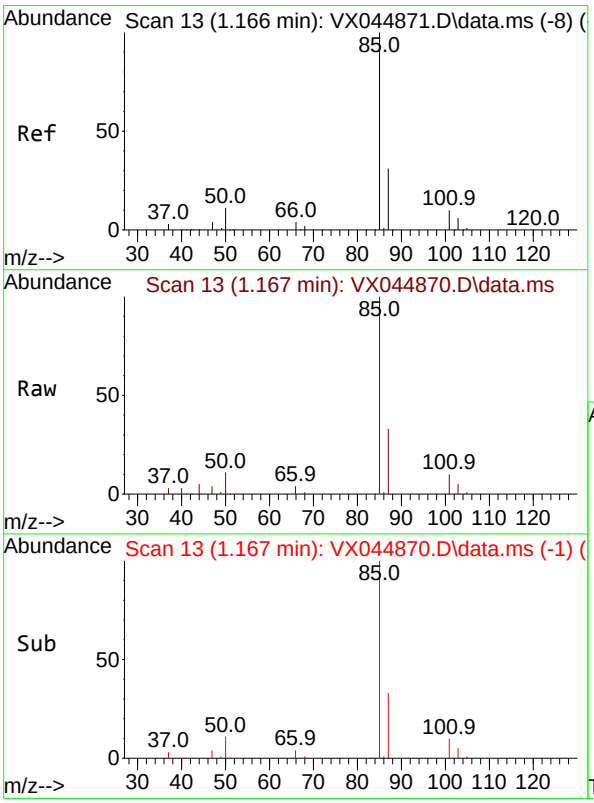
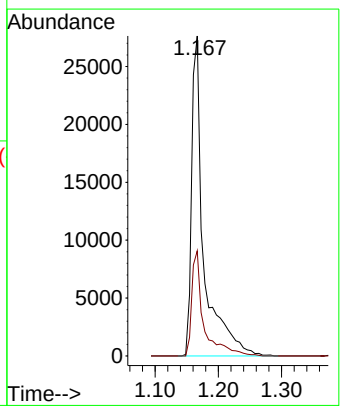
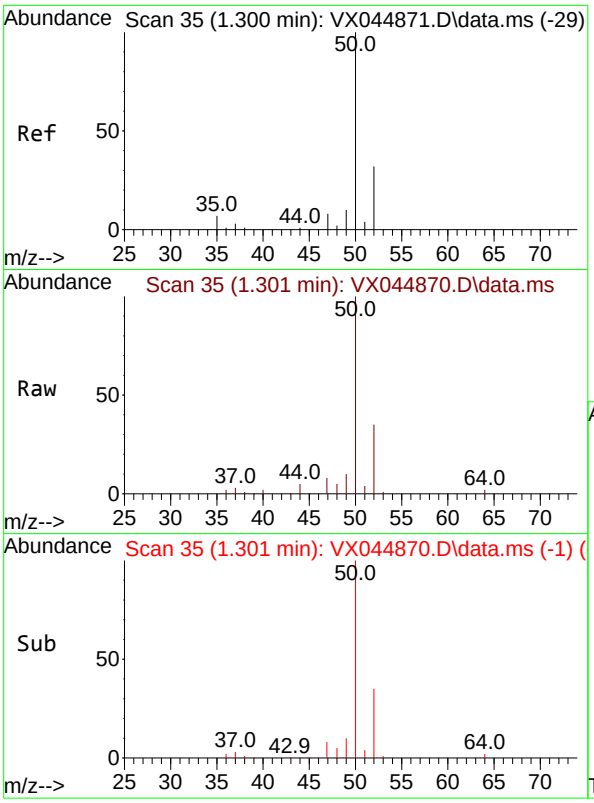


#2
Dichlorodifluoromethane
Concen: 20.434 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 85 Resp: 37123

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.8	47.3

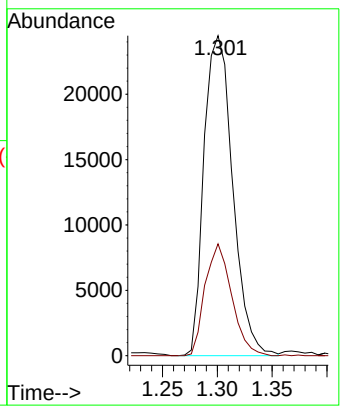




#3
Chloromethane
Concen: 20.200 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 50 Resp: 4466

Ion	Ratio	Lower	Upper
50	100		
52	35.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
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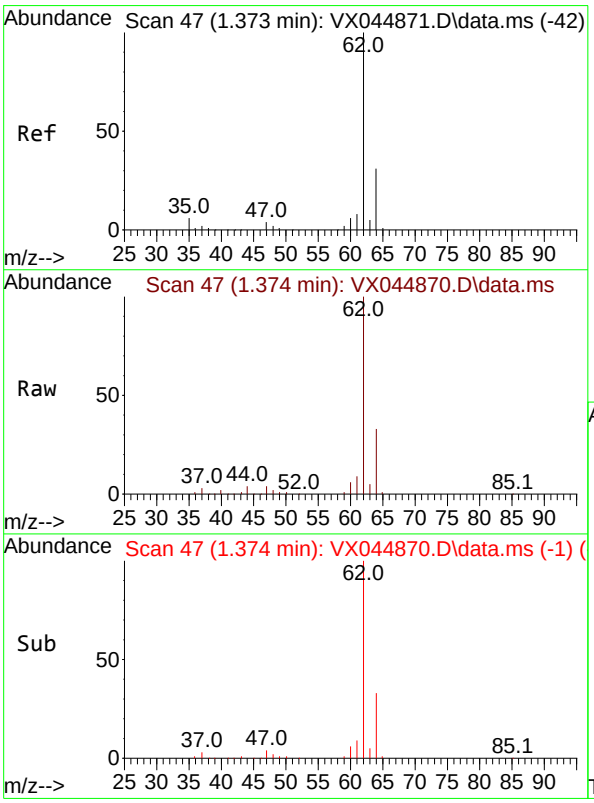
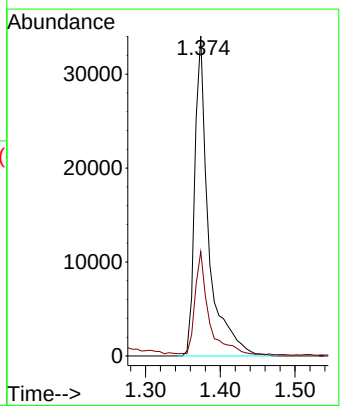
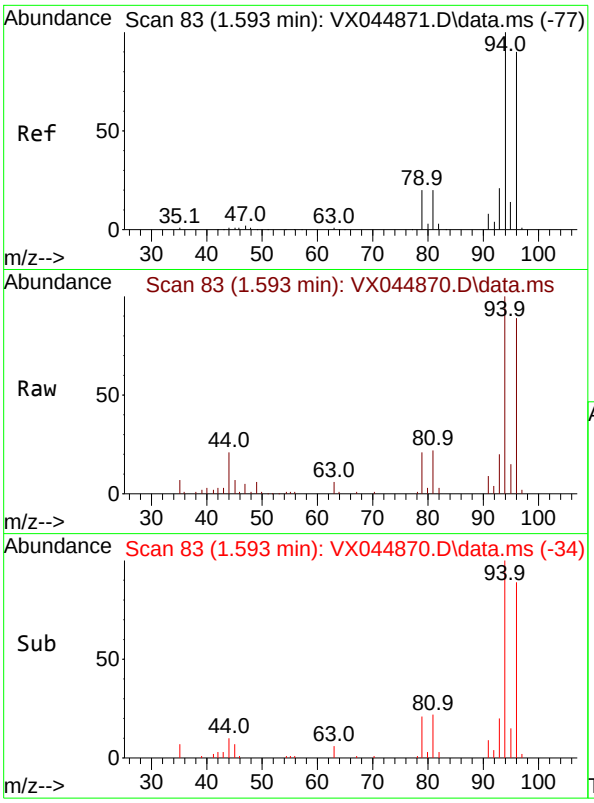


#4
Vinyl Chloride
Concen: 20.494 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 43901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.4	38.0

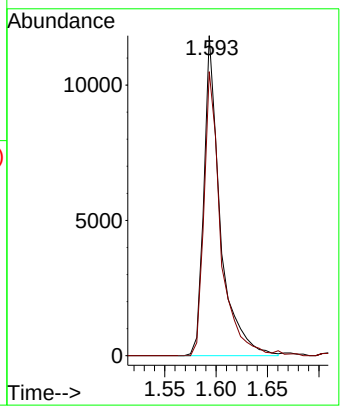




#5
Bromomethane
Concen: 20.369 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 94 Resp: 1305

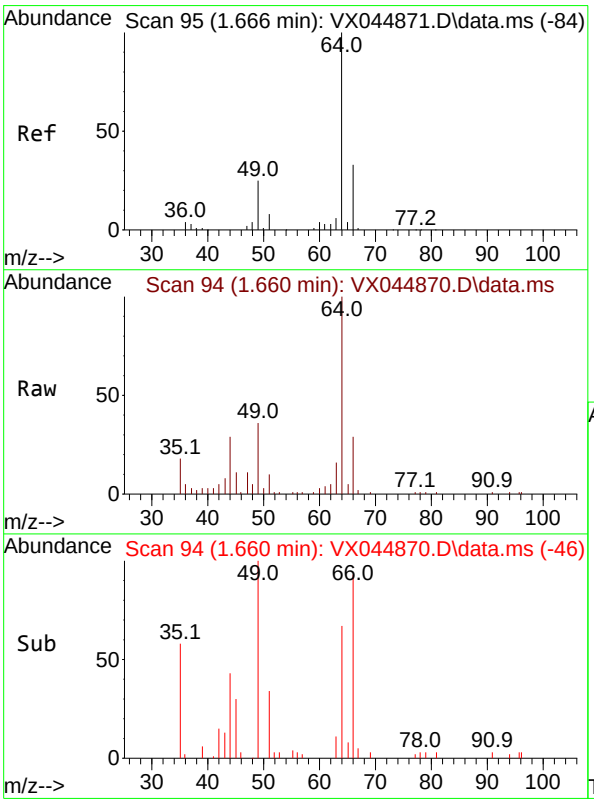
Ion	Ratio	Lower	Upper
94	100		
96	88.8	71.6	107.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

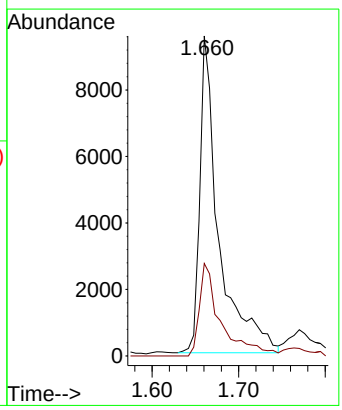
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

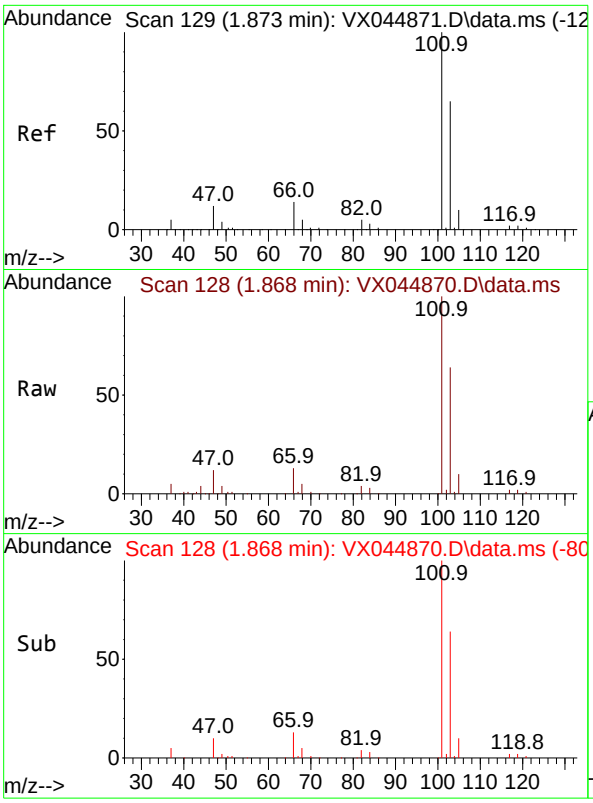


#6
Chloroethane
Concen: 16.522 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 64 Resp: 14523

Ion	Ratio	Lower	Upper
64	100		
66	29.2	25.9	38.9

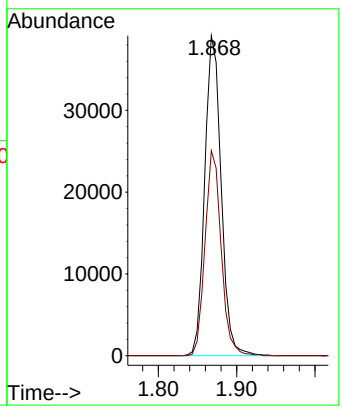




#7
Trichlorofluoromethane
Concen: 20.969 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:101 Resp: 5680

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.4	78.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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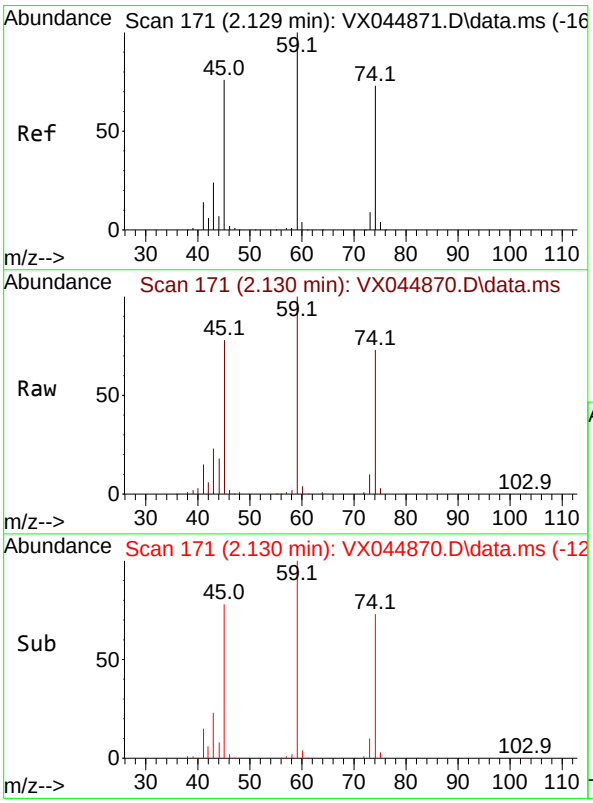
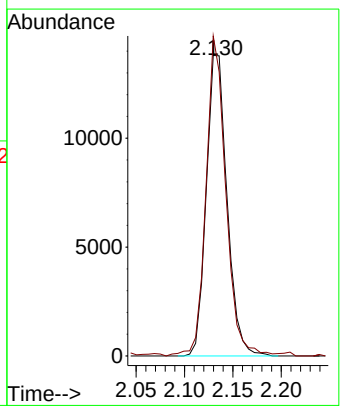
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

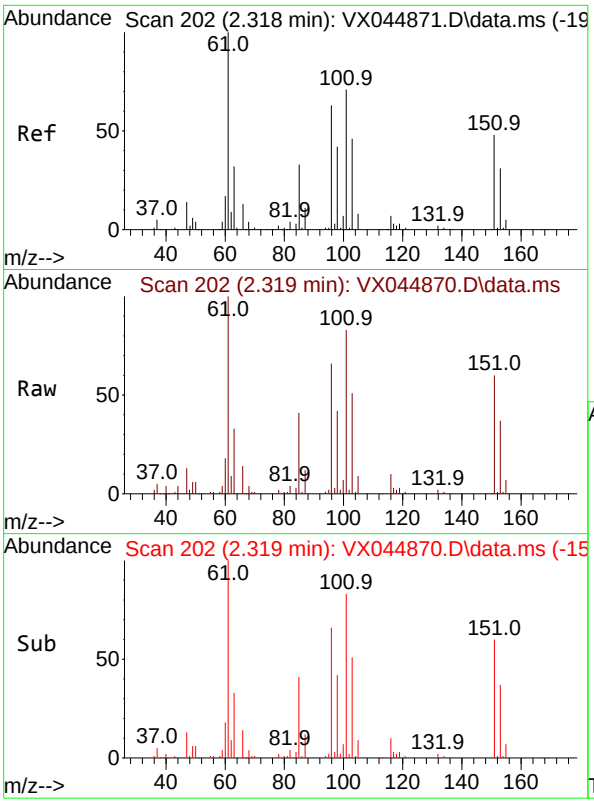


#8
Diethyl Ether
Concen: 21.069 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 74 Resp: 20699

Ion	Ratio	Lower	Upper
74	100		
45	101.2	51.1	153.4

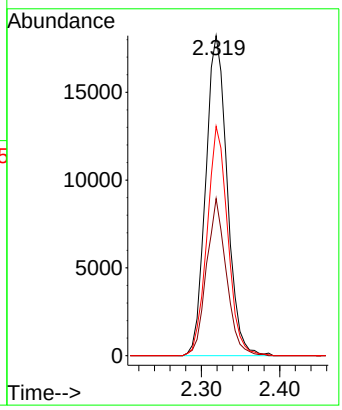




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.135 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:101 Resp: 3459

Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.7	53.5
151	69.4	56.0	84.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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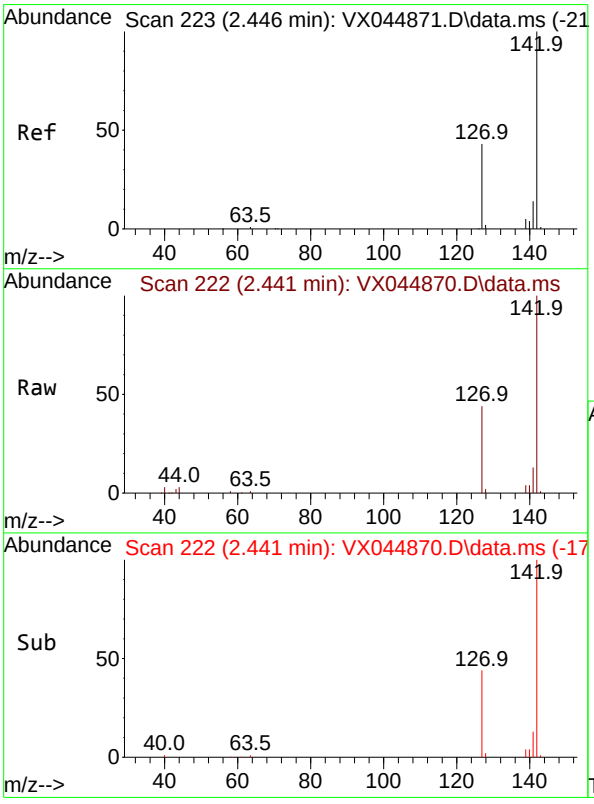
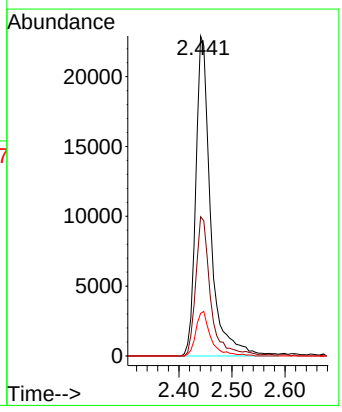
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

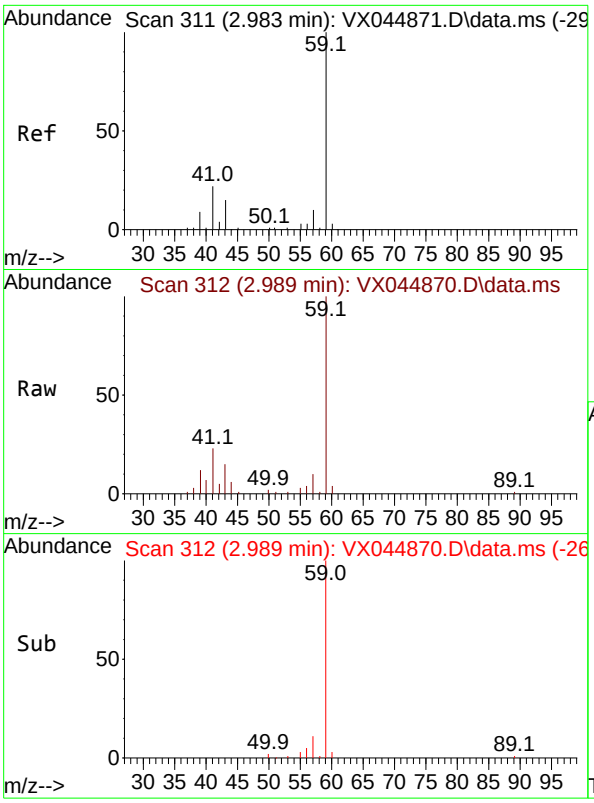


#10
Methyl Iodide
Concen: 21.096 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:142 Resp: 44749

Ion	Ratio	Lower	Upper
142	100		
127	43.4	34.3	51.5
141	14.0	11.4	17.2

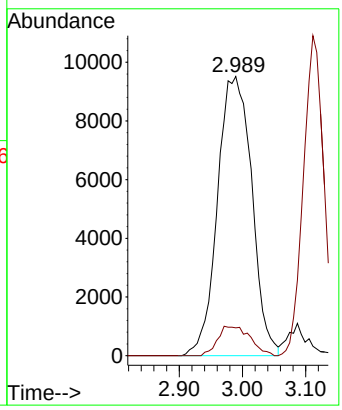




#11
Tert butyl alcohol
Concen: 101.870 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 59 Resp: 3583

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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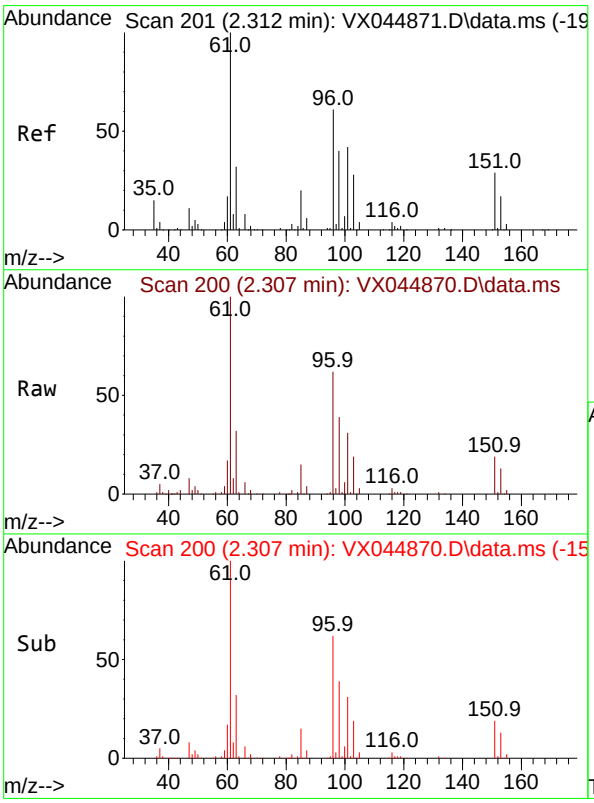
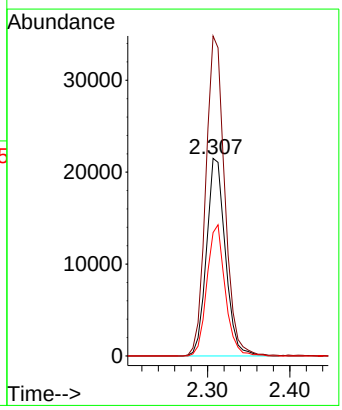
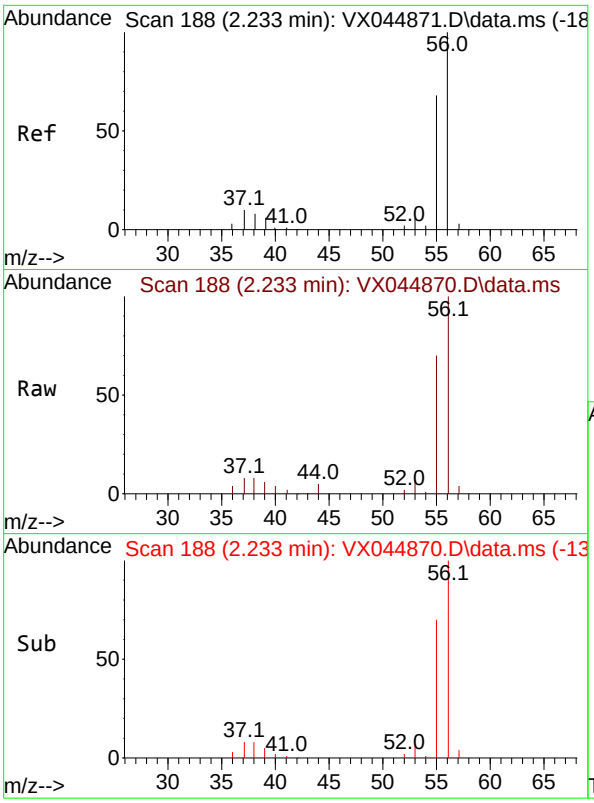


#12
1,1-Dichloroethene
Concen: 20.526 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 96 Resp: 34270

Ion	Ratio	Lower	Upper
96	100		
61	161.9	130.2	195.4
98	62.4	52.2	78.4

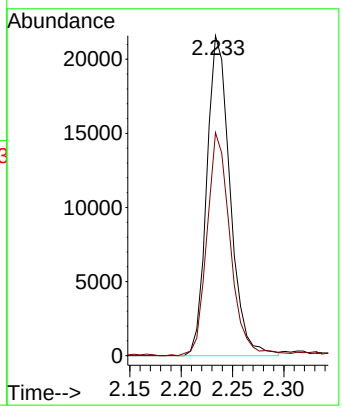




#13
Acrolein
Concen: 93.445 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 56 Resp: 3391

Ion	Ratio	Lower	Upper
56	100		
55	70.1	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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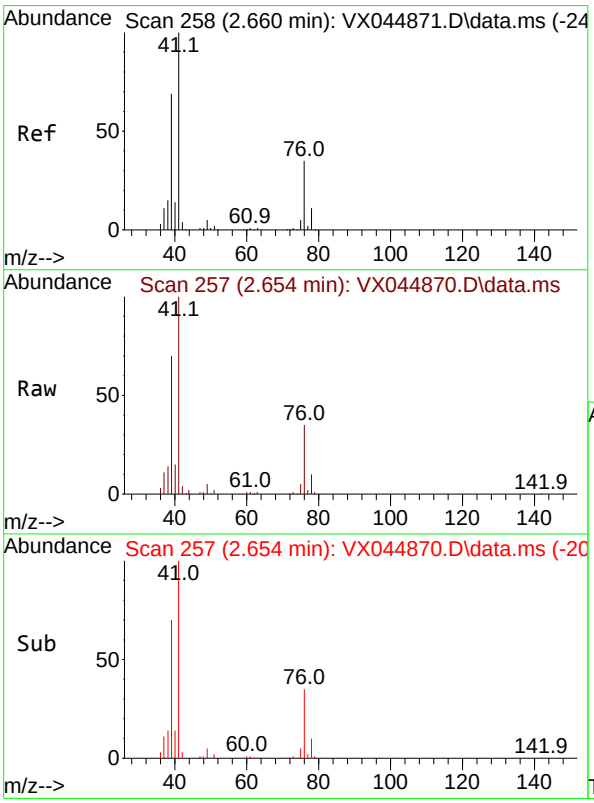
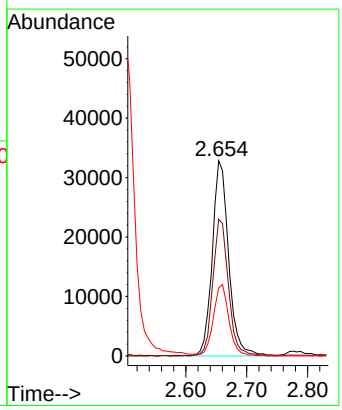
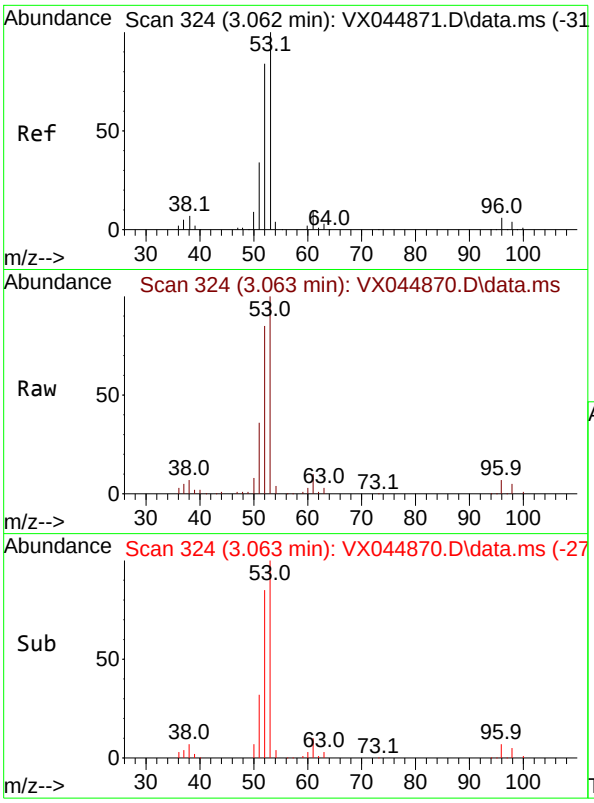


#14
Allyl chloride
Concen: 20.377 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 61485

Ion	Ratio	Lower	Upper
41	100		
39	65.8	51.4	77.2
76	34.9	27.0	40.4

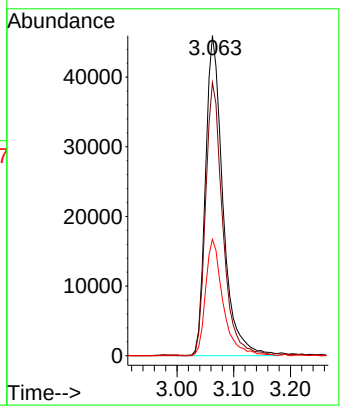




#15
Acrylonitrile
Concen: 104.896 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 53 Resp: 9851

Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.0	97.6
51	36.3	28.0	42.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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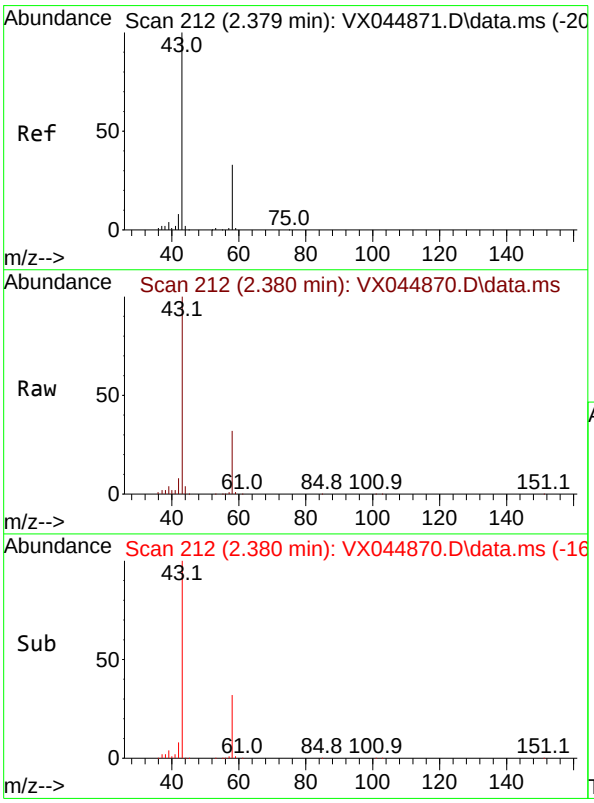
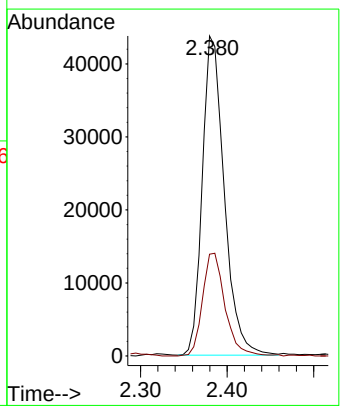
Supervised By :Mahesh Dadoda 02/11/2025

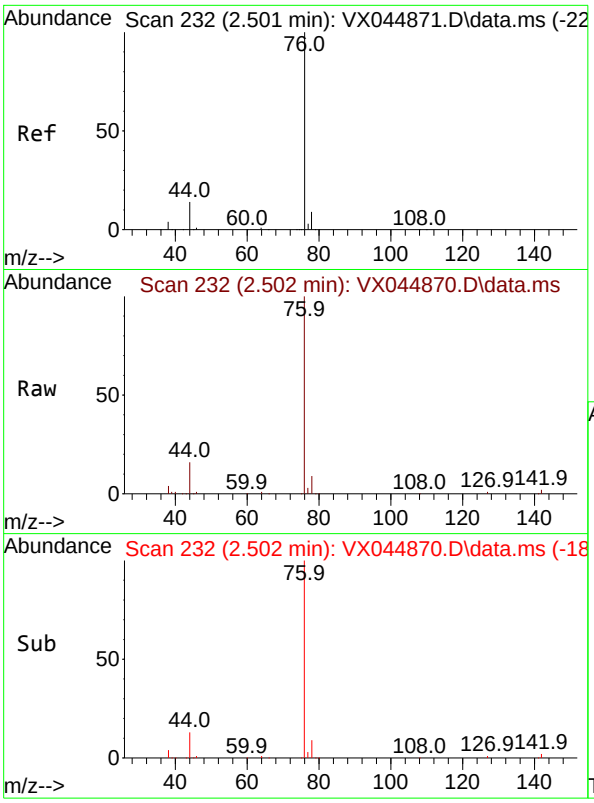


#16
Acetone
Concen: 101.119 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 77078

Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.5	39.7

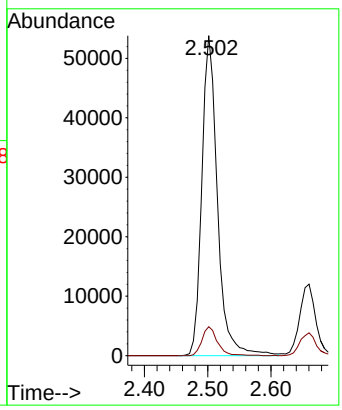




#17
Carbon Disulfide
Concen: 20.216 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 76 Resp: 9255

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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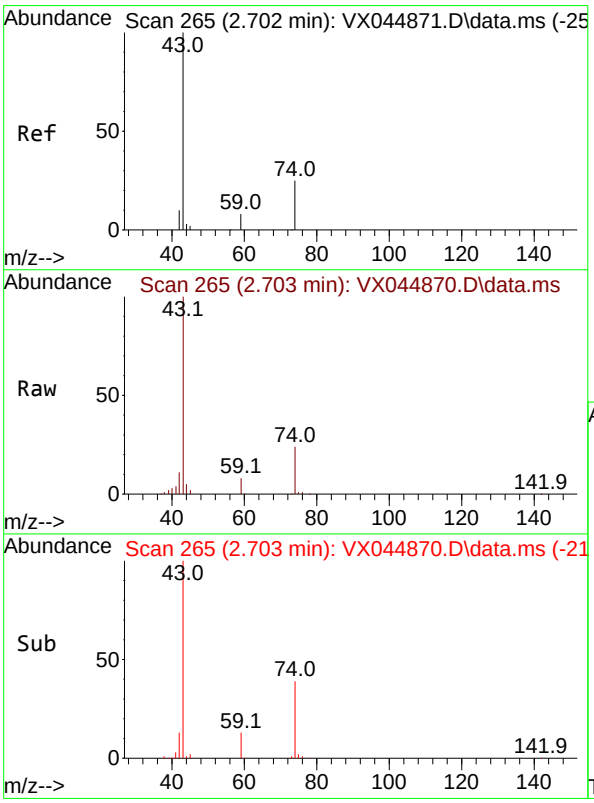
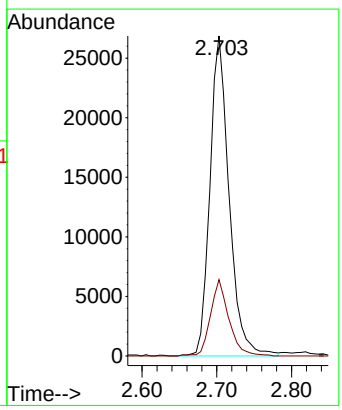
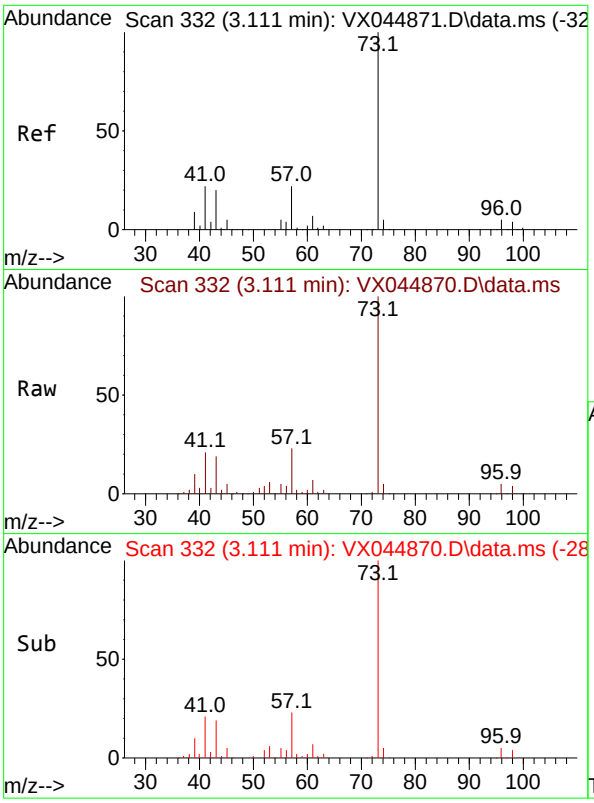


#18
Methyl Acetate
Concen: 19.943 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 47970

Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.9	28.3

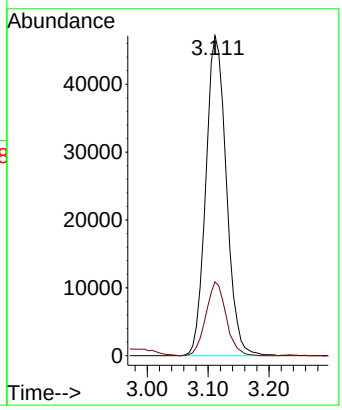




#19
Methyl tert-butyl Ether
Concen: 20.779 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 73 Resp: 11037

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.9	26.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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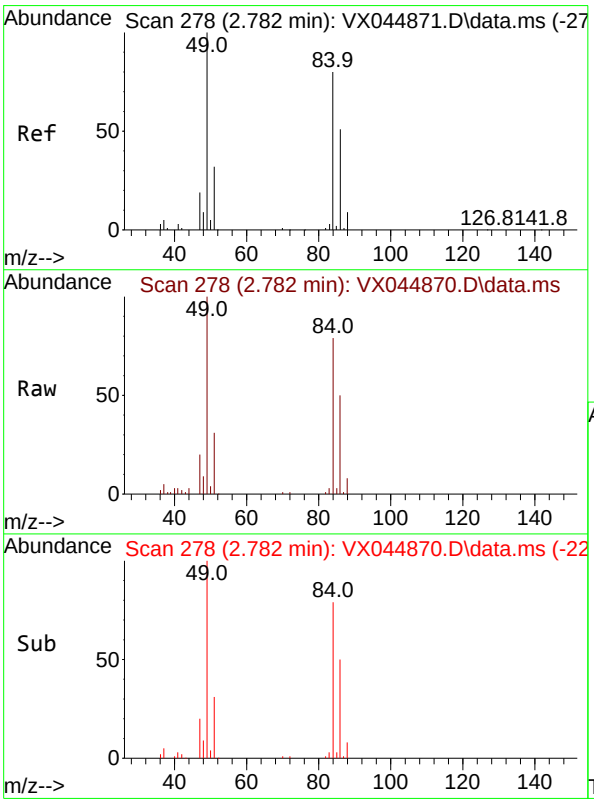
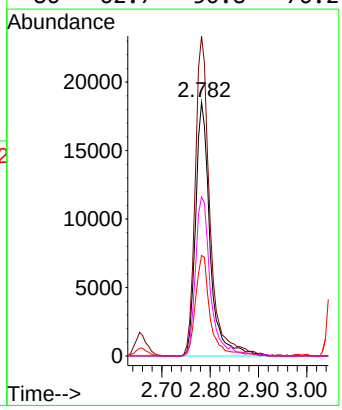
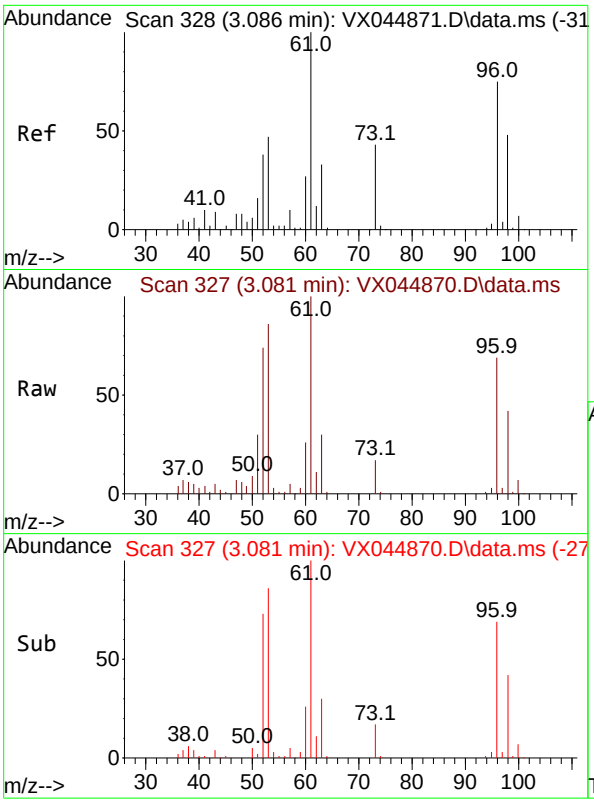


#20
Methylene Chloride
Concen: 20.562 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 84 Resp: 38390

Ion	Ratio	Lower	Upper
84	100		
49	126.2	100.1	150.1
51	39.6	31.7	47.5
86	62.7	50.8	76.2

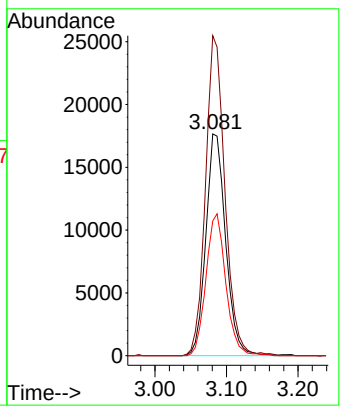




#21
trans-1,2-Dichloroethene
Concen: 20.730 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 96 Resp: 3406

Ion	Ratio	Lower	Upper
96	100		
61	144.3	106.0	159.0
98	60.8	50.6	76.0



Instrument :
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ClientSampleId :
VSTDICC020

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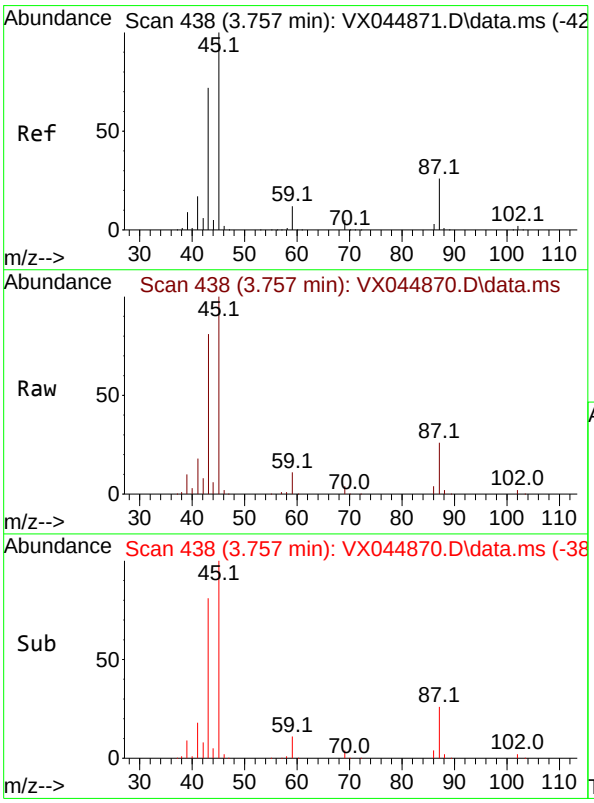
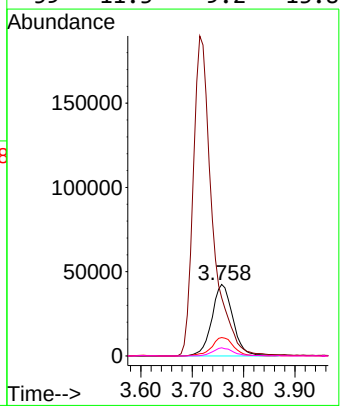
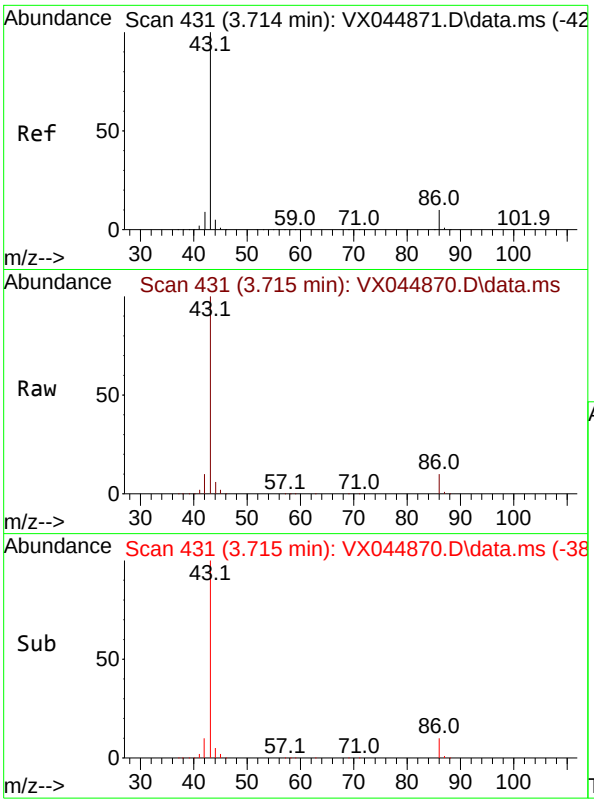


#22
Diisopropyl ether
Concen: 21.074 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 45 Resp: 120300

Ion	Ratio	Lower	Upper
45	100		
43	80.8	58.0	87.0
87	25.8	20.7	31.1
59	11.3	9.2	13.8





#23
Vinyl Acetate
Concen: 105.341 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 49023

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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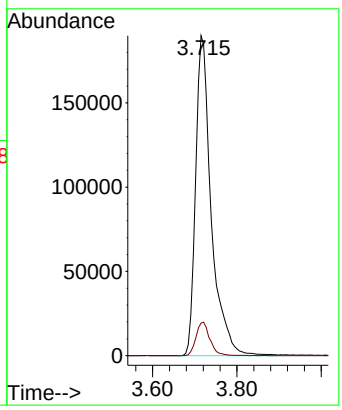
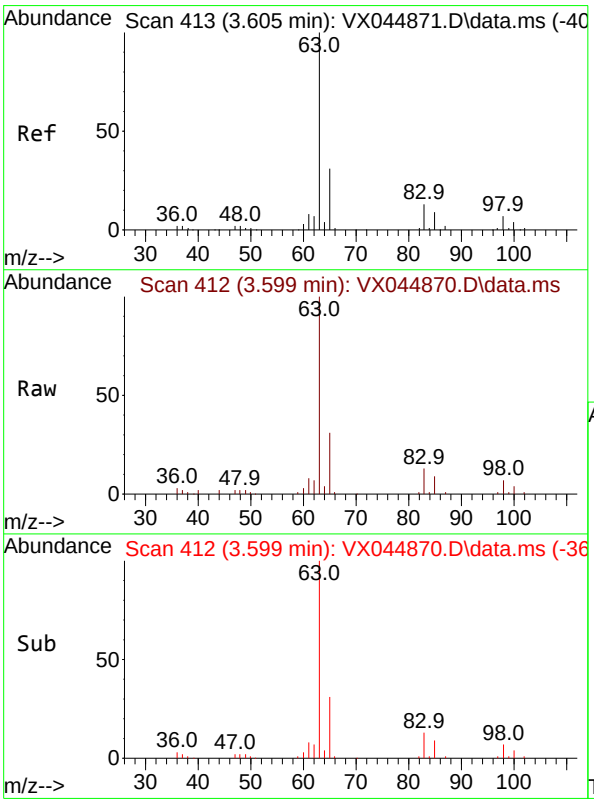
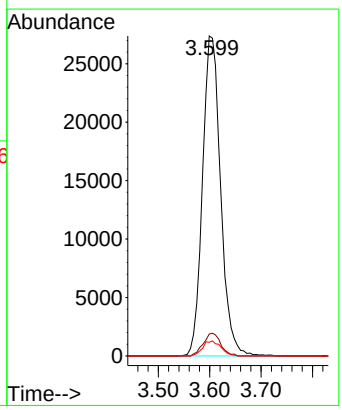


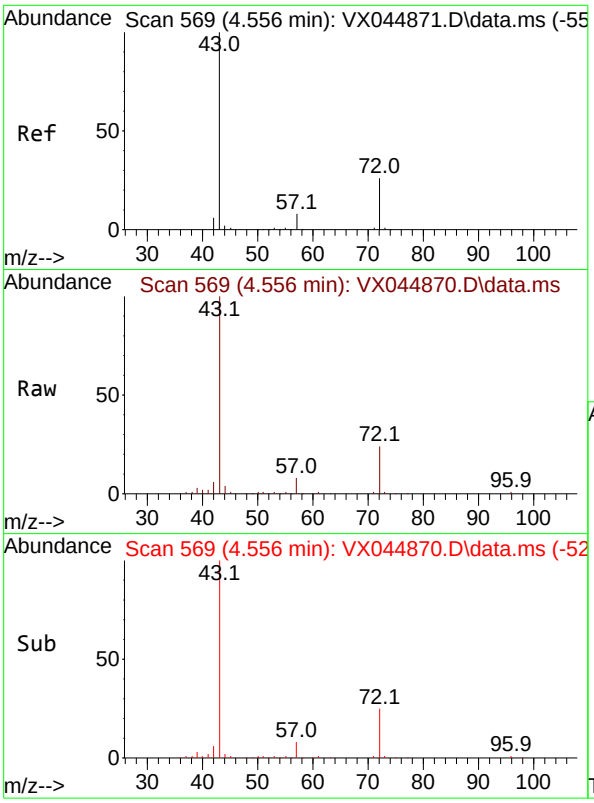


#24
1,1-Dichloroethane
Concen: 20.958 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 63 Resp: 66942

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.9
100	4.3	2.1	6.5

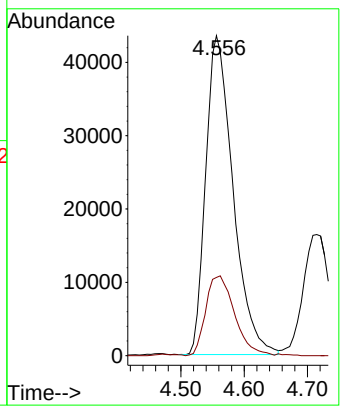




#25
2-Butanone
Concen: 105.417 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 13048

Ion	Ratio	Lower	Upper
43	100		
72	24.2	21.2	31.8



Instrument :
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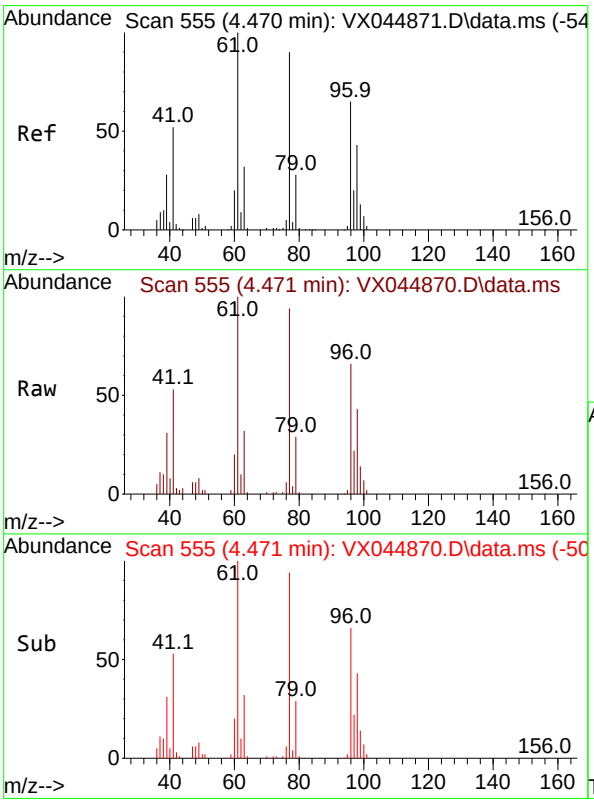
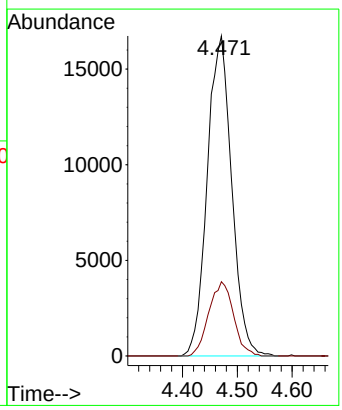
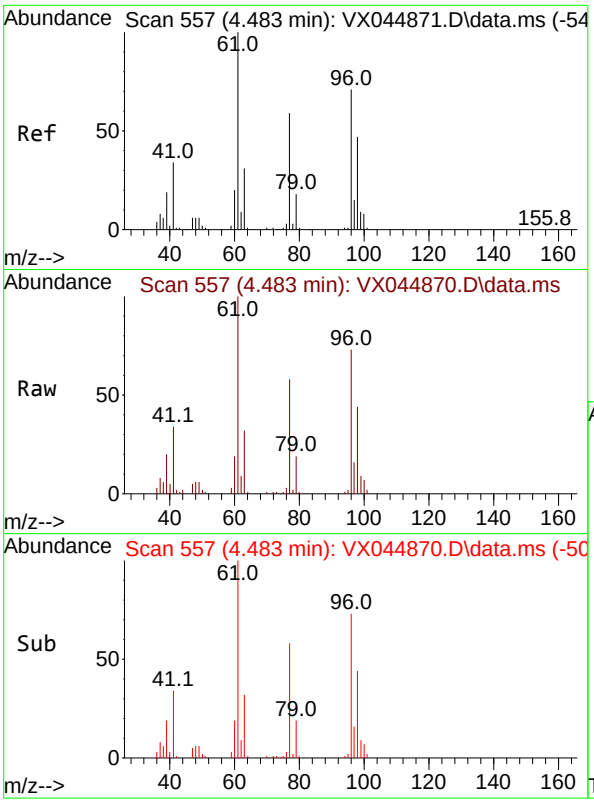


#26
2,2-Dichloropropane
Concen: 20.451 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 77 Resp: 51803

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.8	35.3

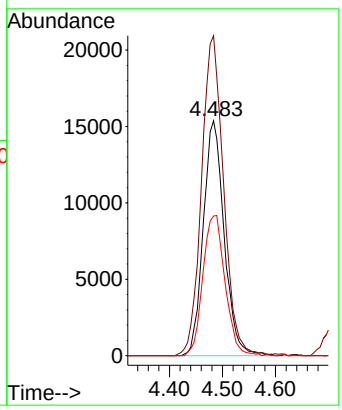




#27
cis-1,2-Dichloroethene
Concen: 21.328 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 96 Resp: 4209

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	294.0
98	63.4	0.0	131.2



Instrument :
MSVOA_X
ClientSampleId :
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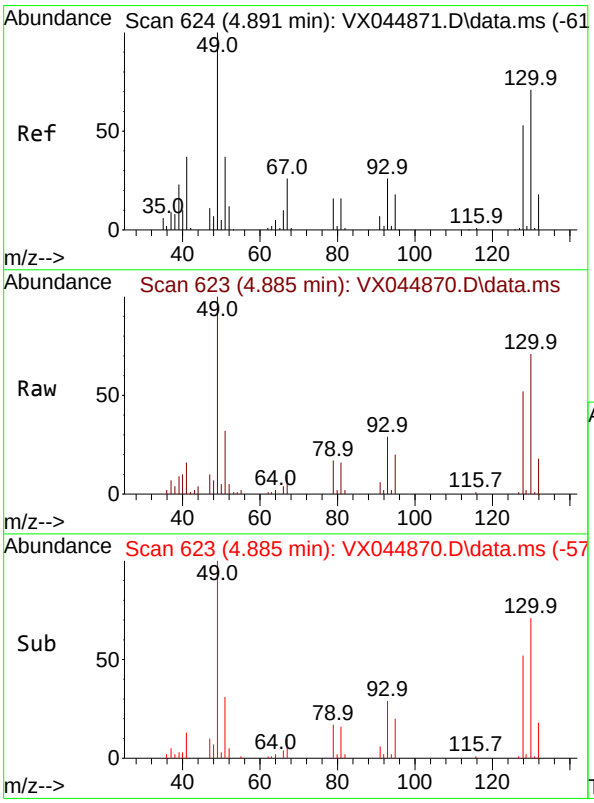
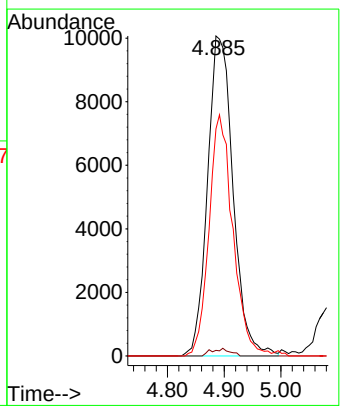
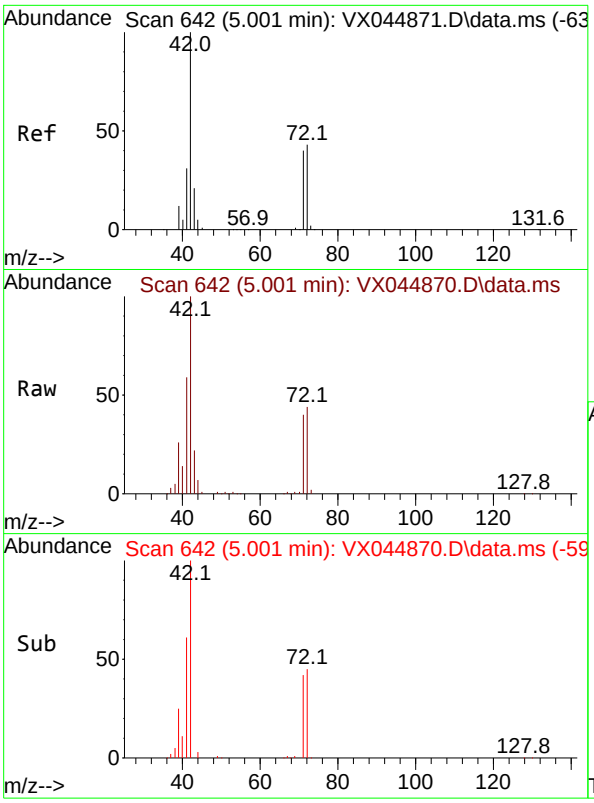


#28
Bromochloromethane
Concen: 20.504 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 49 Resp: 31474

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	70.3	56.7	85.1

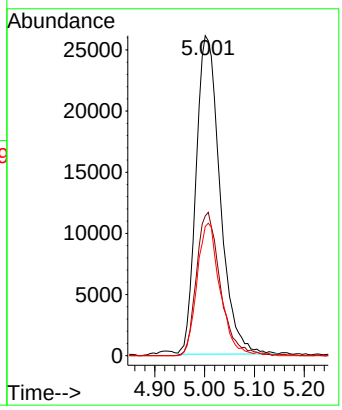




#29
Tetrahydrofuran
Concen: 105.700 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 42 Resp: 8687

Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.0	52.4
71	40.4	32.6	48.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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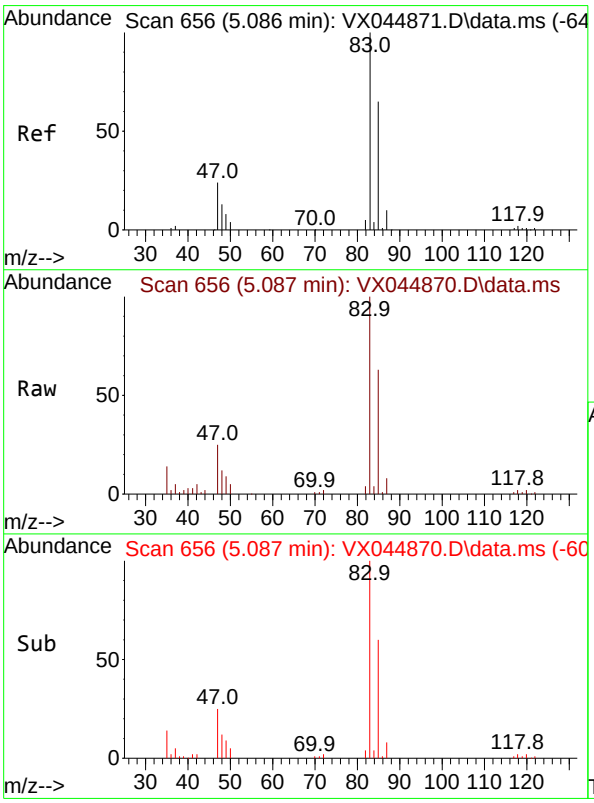
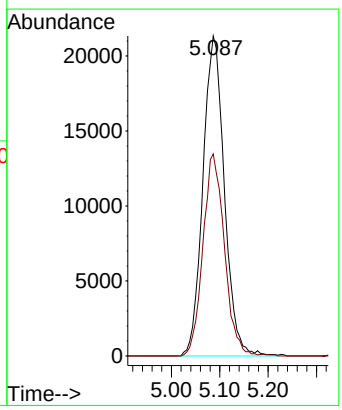
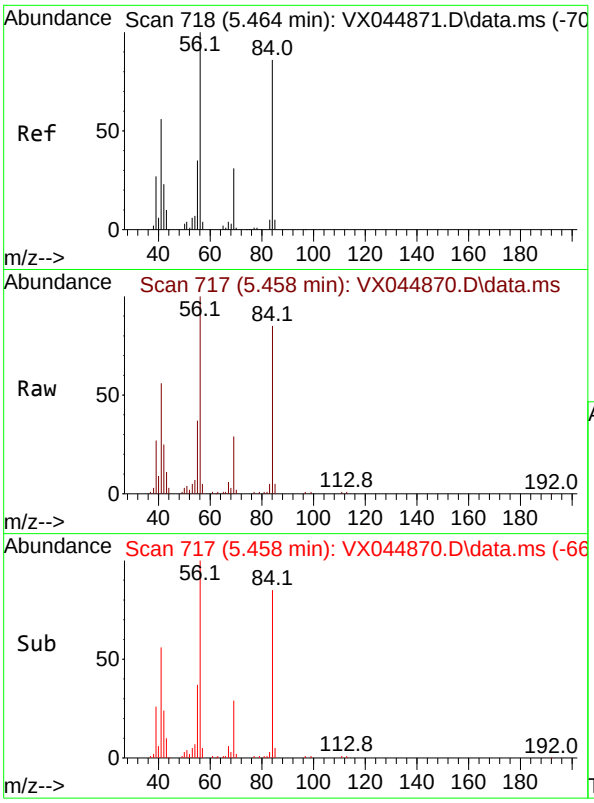


#30
Chloroform
Concen: 21.217 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 83 Resp: 65721

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.1	78.1

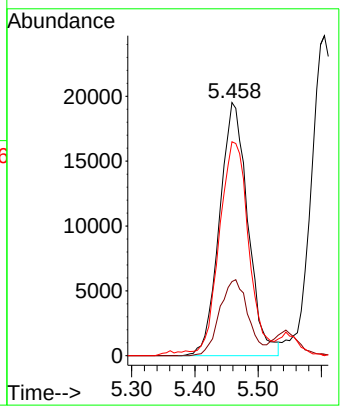




#31
Cyclohexane
Concen: 20.653 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 56 Resp: 6081

Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.4	36.6
84	83.1	69.0	103.6



Instrument :
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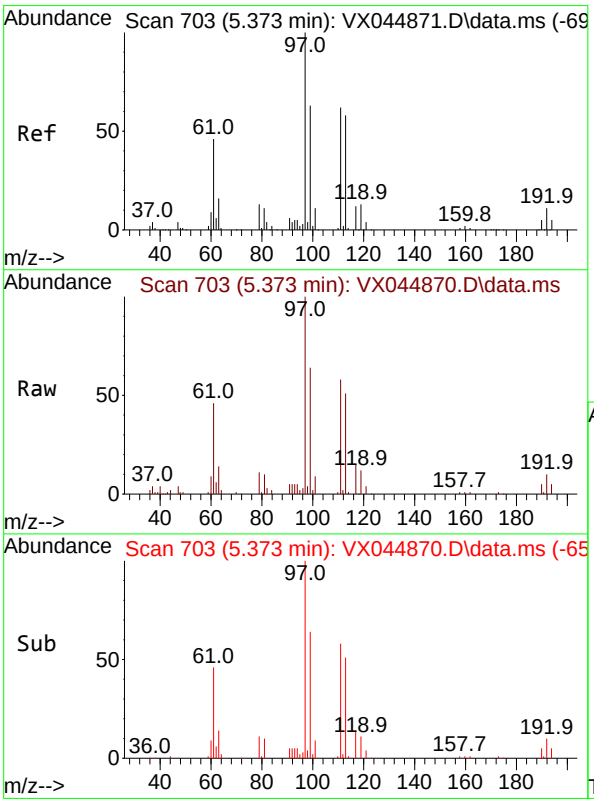
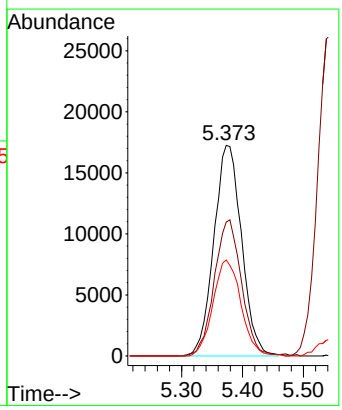
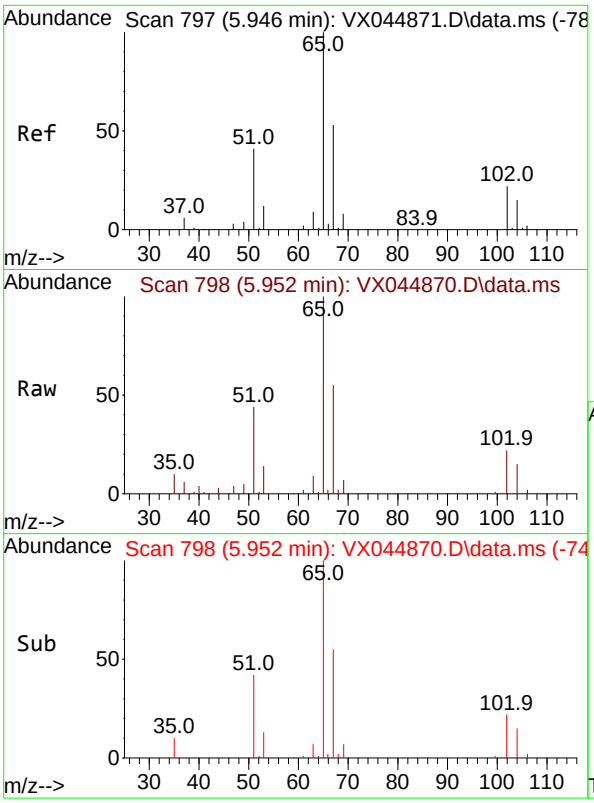


#32
1,1,1-Trichloroethane
Concen: 20.724 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 97 Resp: 54450

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	45.9	36.6	55.0

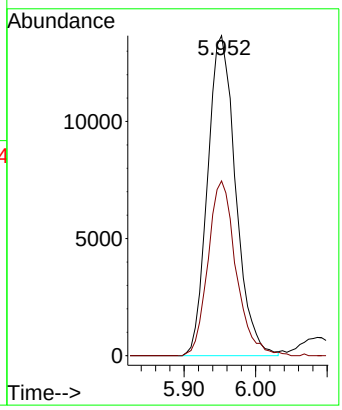




#33
1,2-Dichloroethane-d4
Concen: 19.616 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 65 Resp: 3719

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	108.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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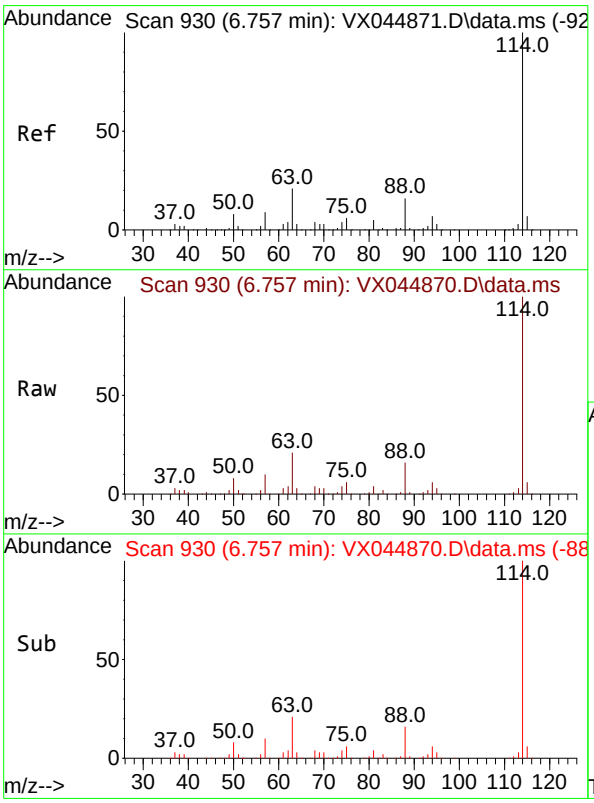
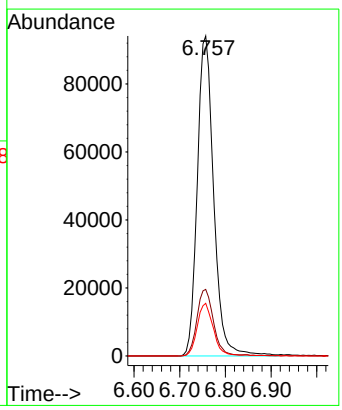
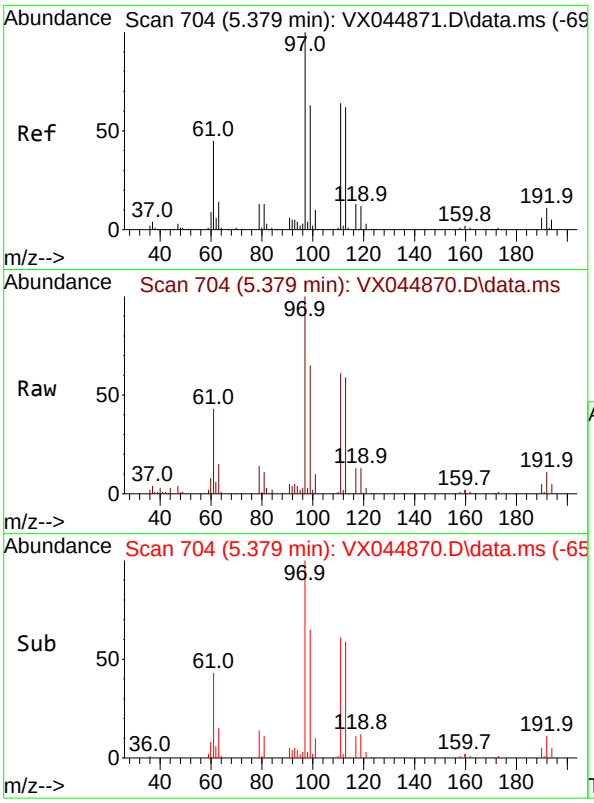


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:114 Resp: 234445

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.4
88	16.4	0.0	31.4

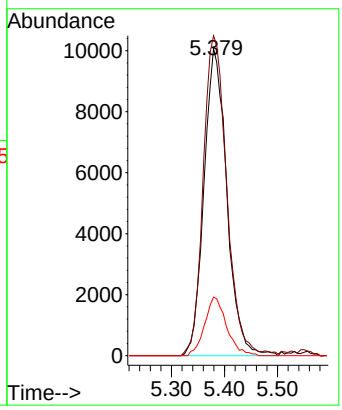




#35
Dibromofluoromethane
Concen: 19.793 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:113 Resp: 3017

Ion	Ratio	Lower	Upper
113	100		
111	106.3	83.5	125.3
192	18.3	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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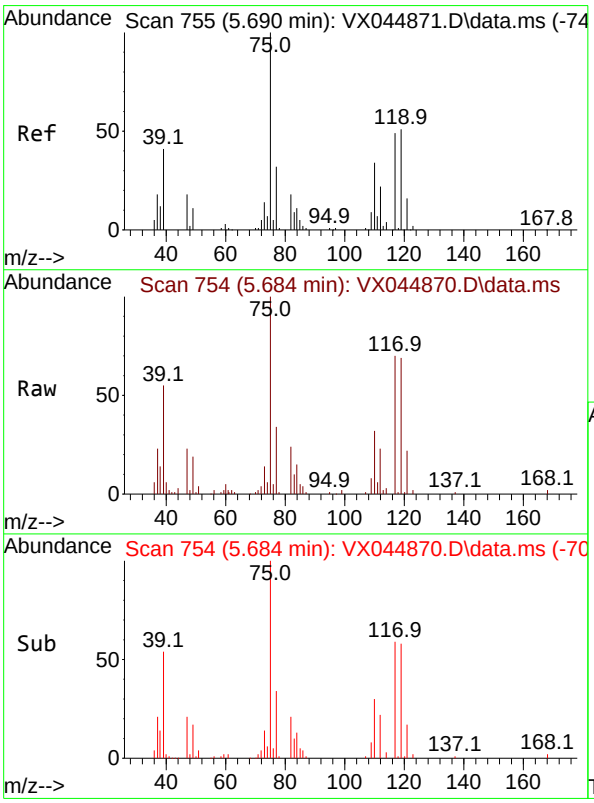
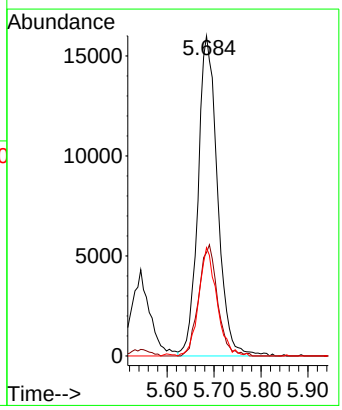
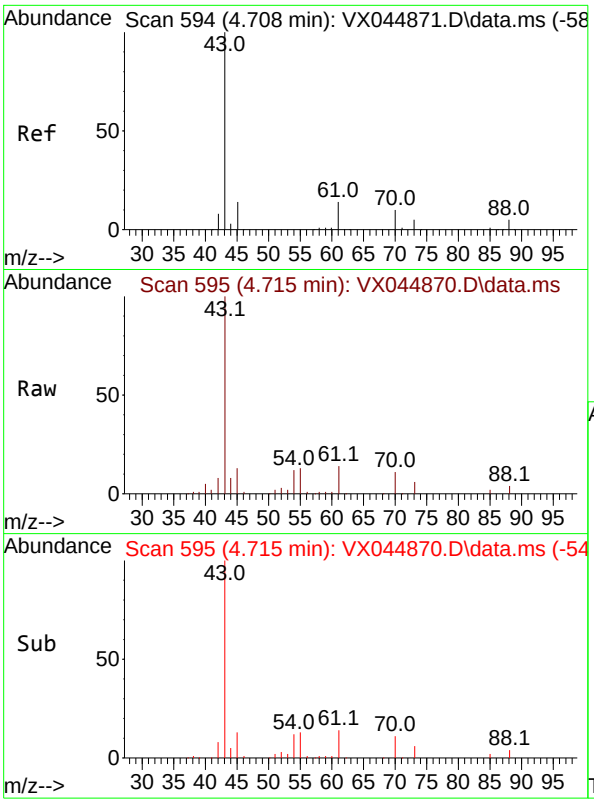


#36
1,1-Dichloropropene
Concen: 20.913 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 45991

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.2	51.6
77	31.7	24.6	37.0

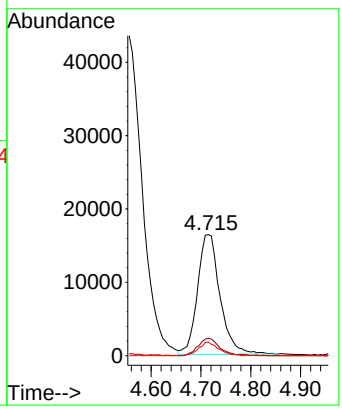




#37
Ethyl Acetate
Concen: 20.949 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 5124

Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	9.9	8.2	12.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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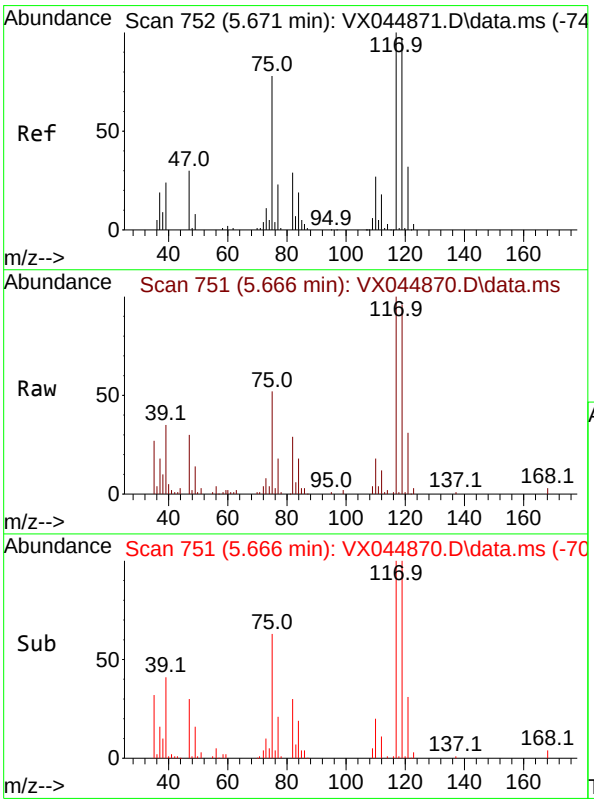
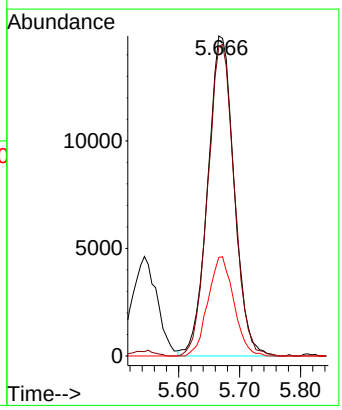
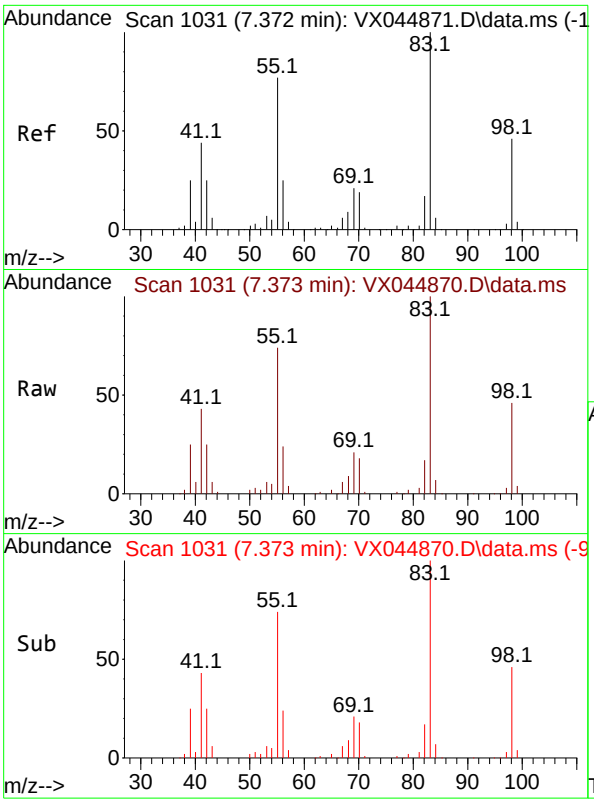


#38
Carbon Tetrachloride
Concen: 20.790 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:117 Resp: 44802

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.5	116.3
121	30.8	25.6	38.4

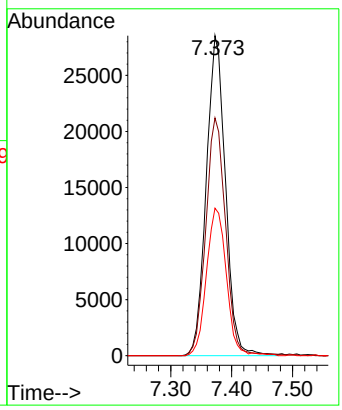




#39
Methylcyclohexane
Concen: 21.985 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 83 Resp: 6250

Ion	Ratio	Lower	Upper
83	100		
55	74.3	61.3	91.9
98	46.1	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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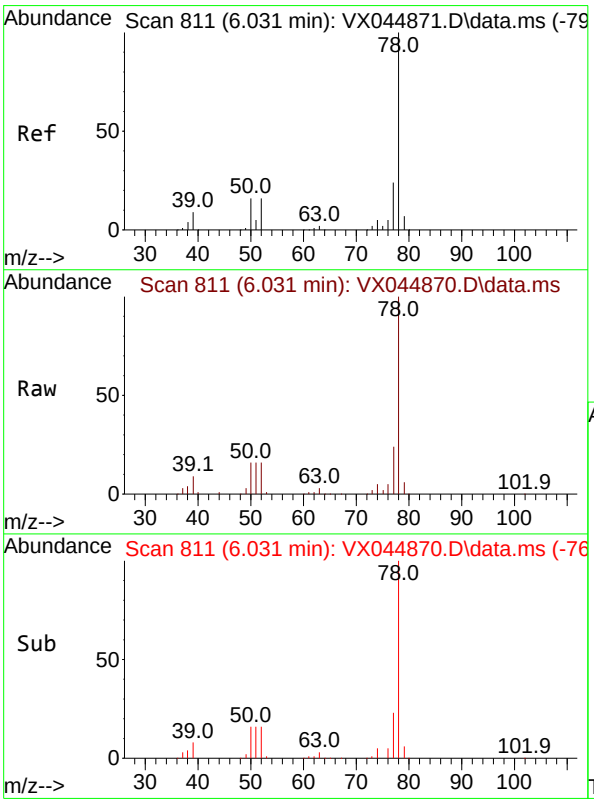
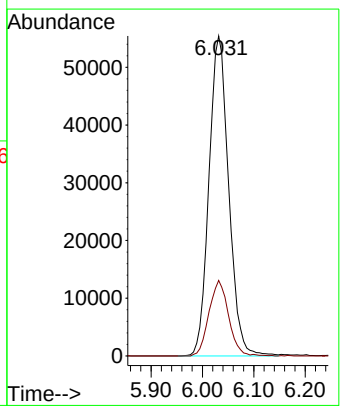
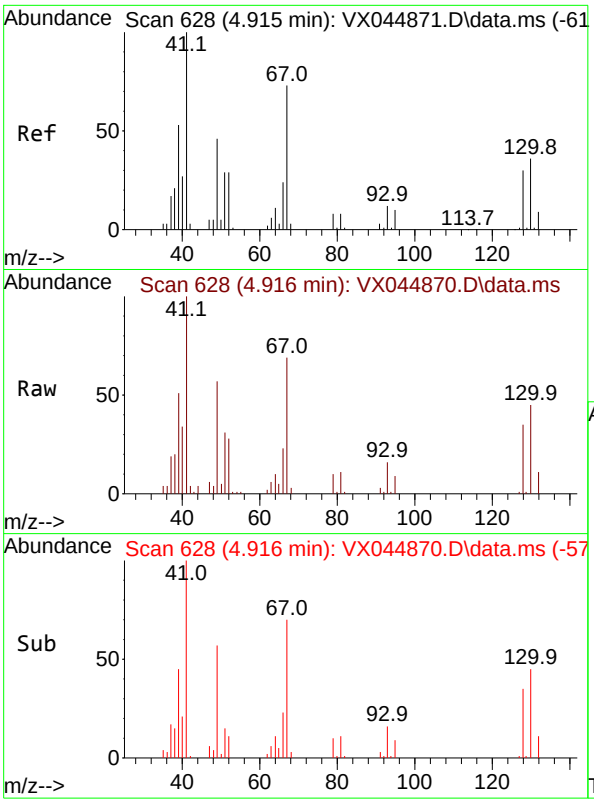


#40
Benzene
Concen: 21.540 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 78 Resp: 147912

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6

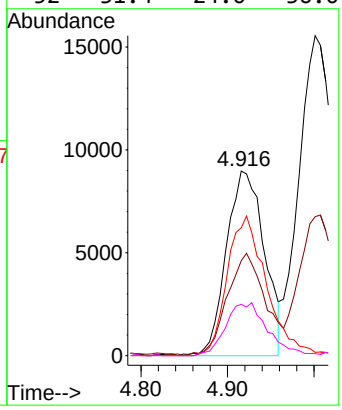




#41
Methacrylonitrile
Concen: 20.887 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 2734

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.1	64.7
67	78.6	57.0	85.6
52	31.4	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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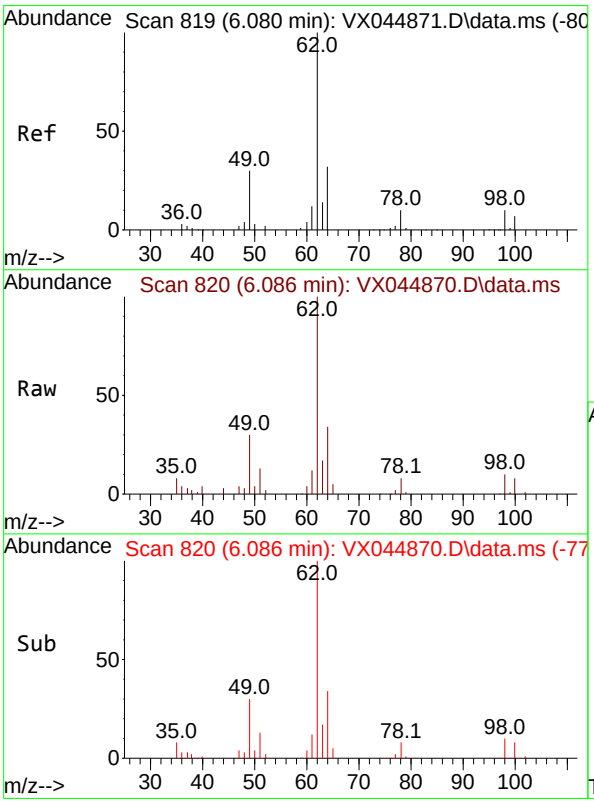
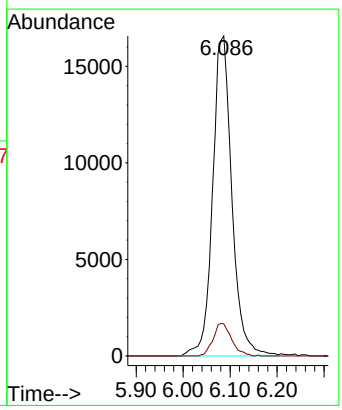
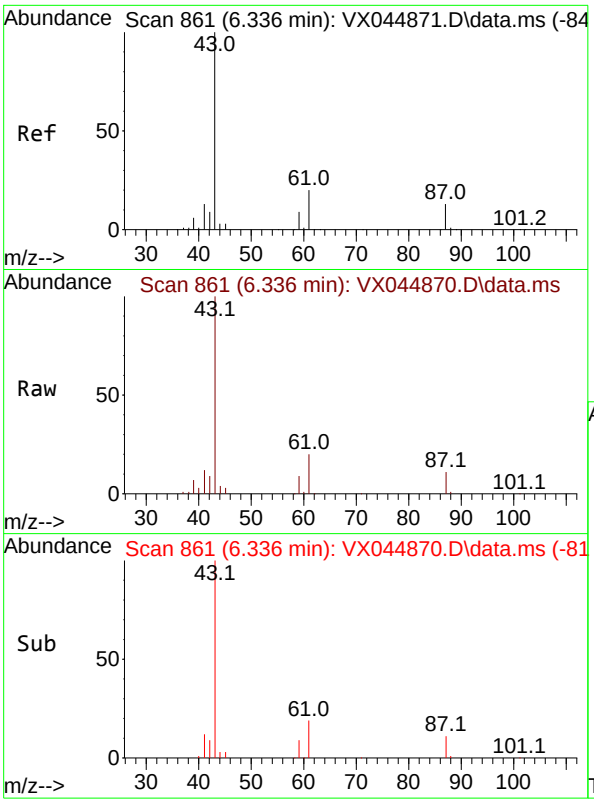


#42
1,2-Dichloroethane
Concen: 21.519 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 47095

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43
Isopropyl Acetate
Concen: 21.343 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 8430

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.8
87	11.6	10.0	15.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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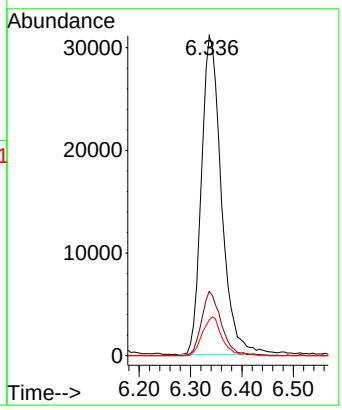
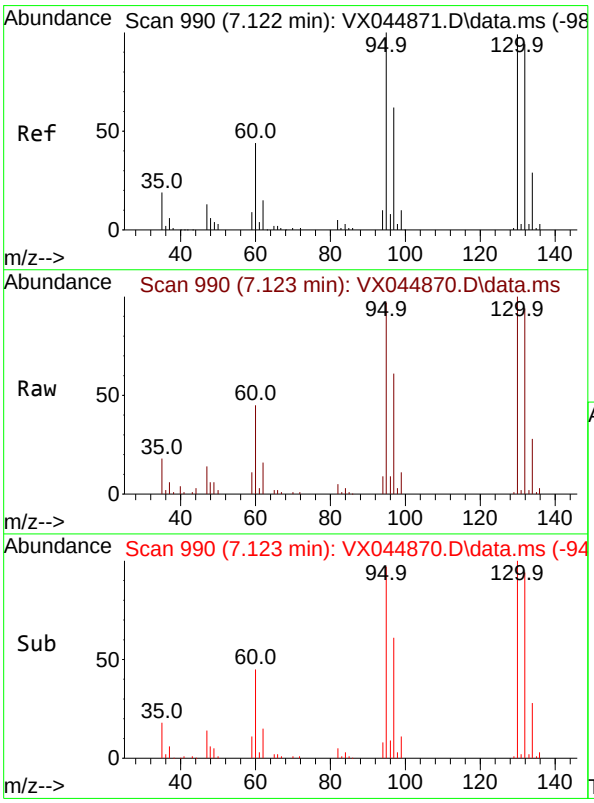
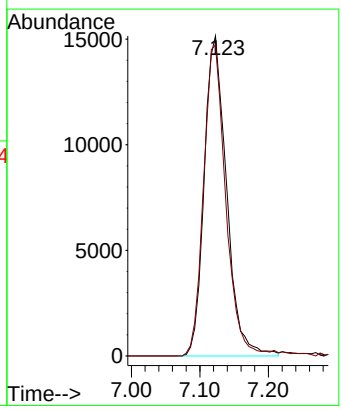


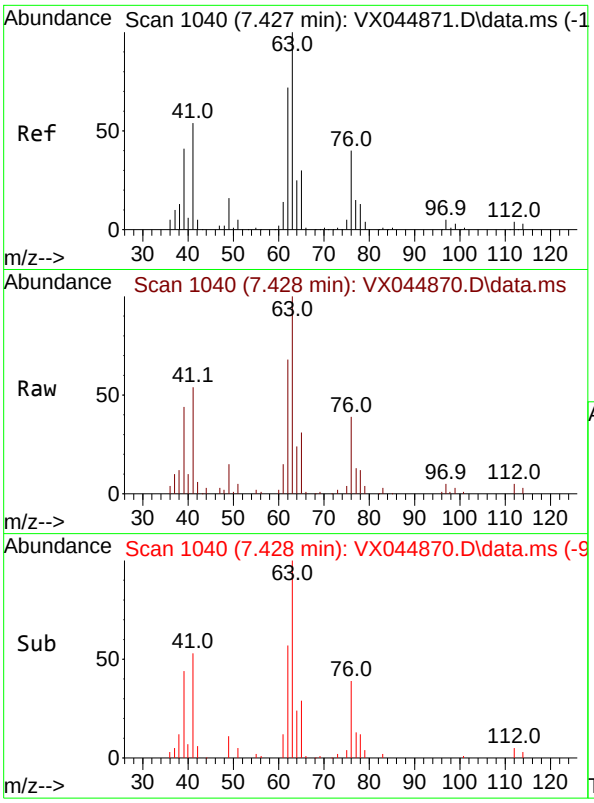


#44
Trichloroethene
Concen: 21.910 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:130 Resp: 34390

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	202.4

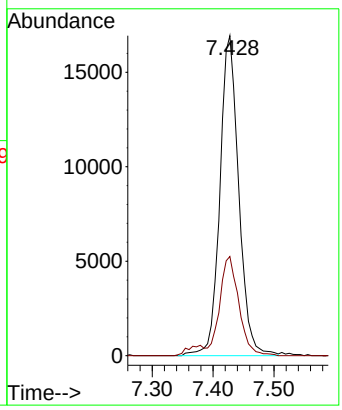




#45
1,2-Dichloropropane
Concen: 21.371 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 63 Resp: 3651

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.2	36.4



Instrument :
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ClientSampleId :
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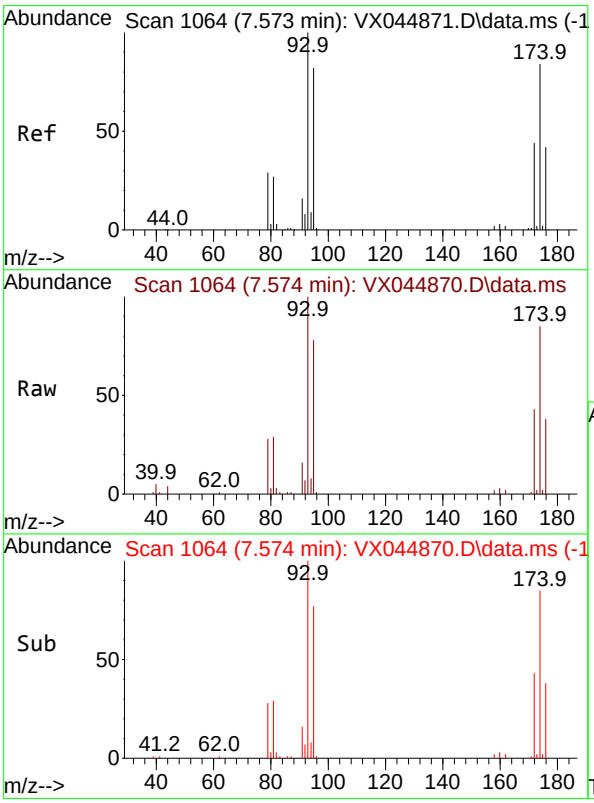
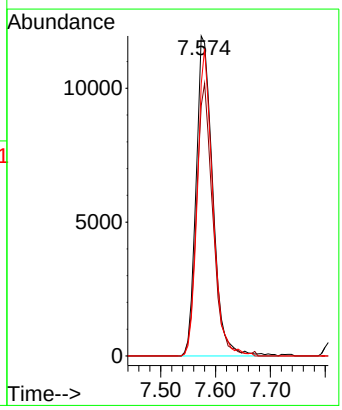
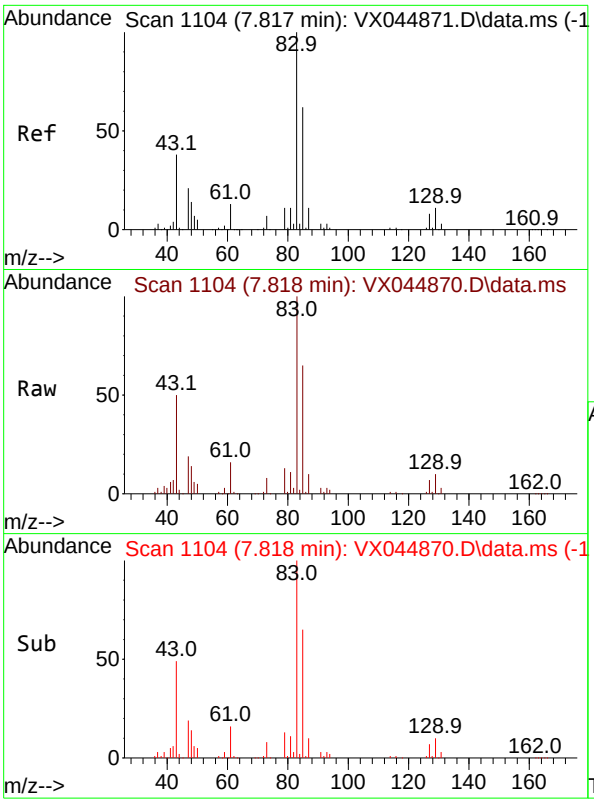


#46
Dibromomethane
Concen: 21.354 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 93 Resp: 25300

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.2	99.4
174	88.6	69.9	104.9

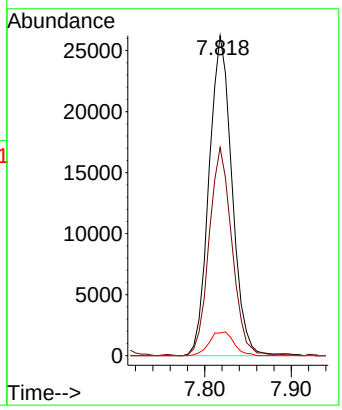




#47
Bromodichloromethane
Concen: 21.012 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 83 Resp: 4820

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.0	75.0
127	7.1	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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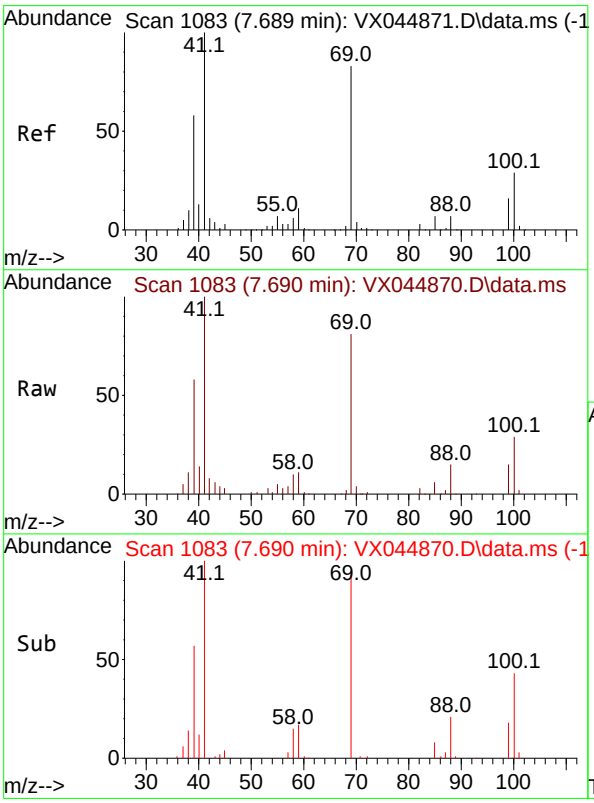
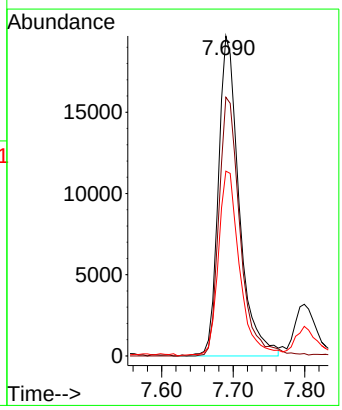
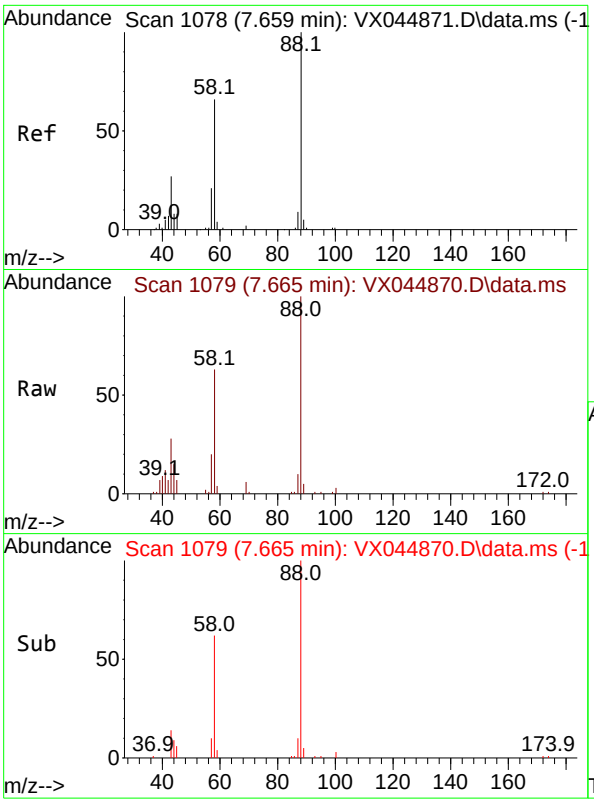


#48
Methyl methacrylate
Concen: 21.341 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 39747

Ion	Ratio	Lower	Upper
41	100		
69	82.5	65.8	98.8
39	58.2	46.4	69.6





#49
1,4-Dioxane
Concen: 429.262 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 88 Resp: 1715

Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.6	39.8
58	69.3	55.9	83.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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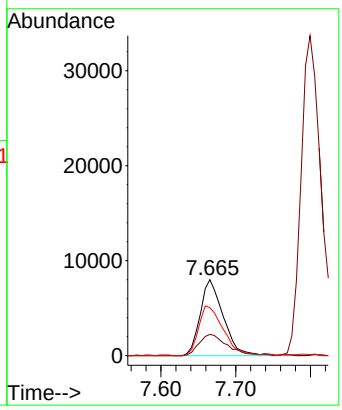
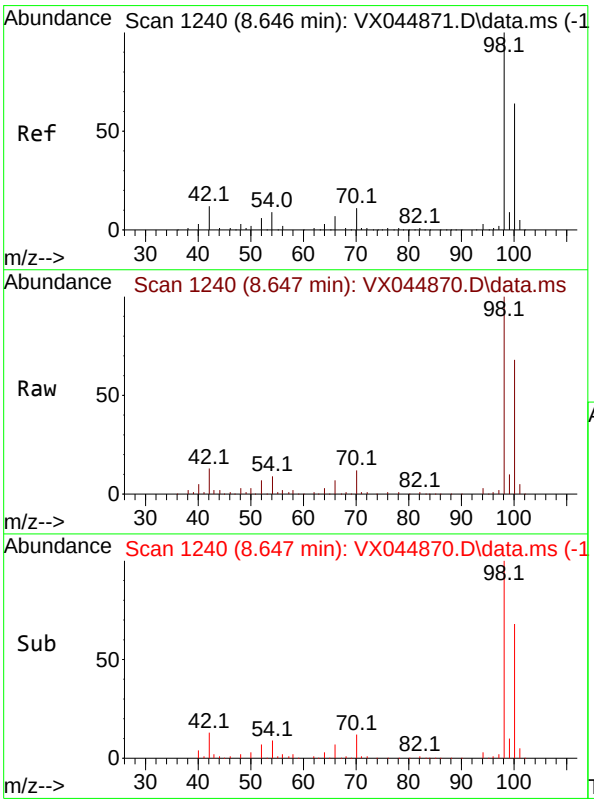
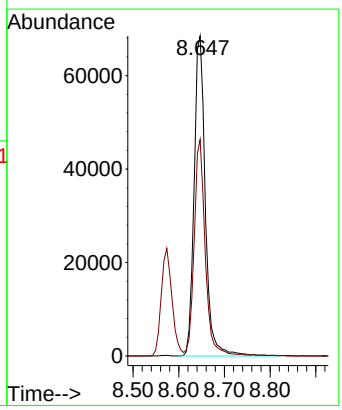


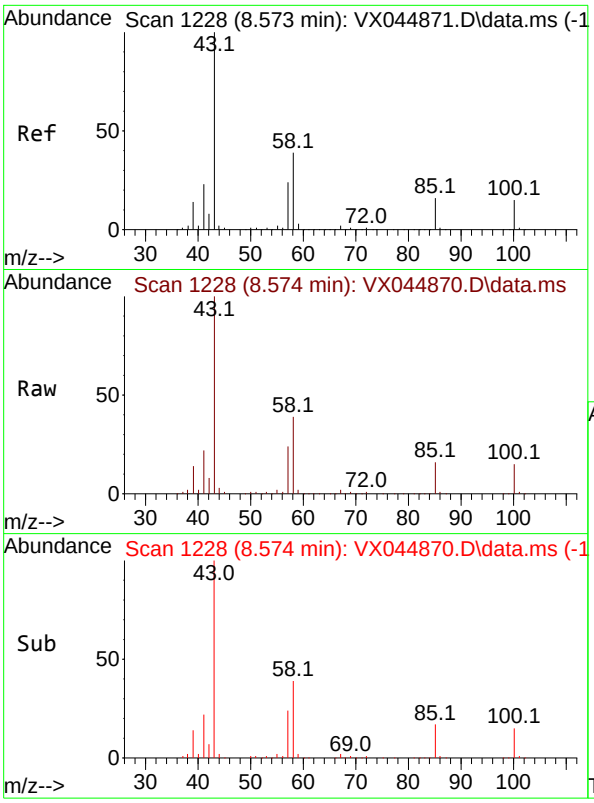


#50
Toluene-d8
Concen: 20.321 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 98 Resp: 117127

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1

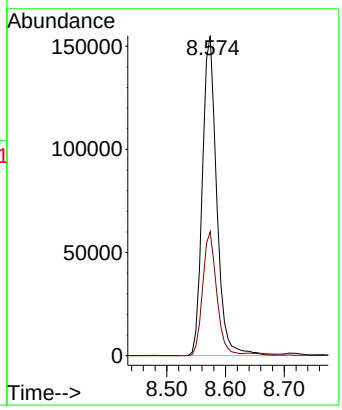




#51
4-Methyl-2-Pentanone
Concen: 109.684 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 26339

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.8	46.2



Instrument :
MSVOA_X
ClientSampleId :
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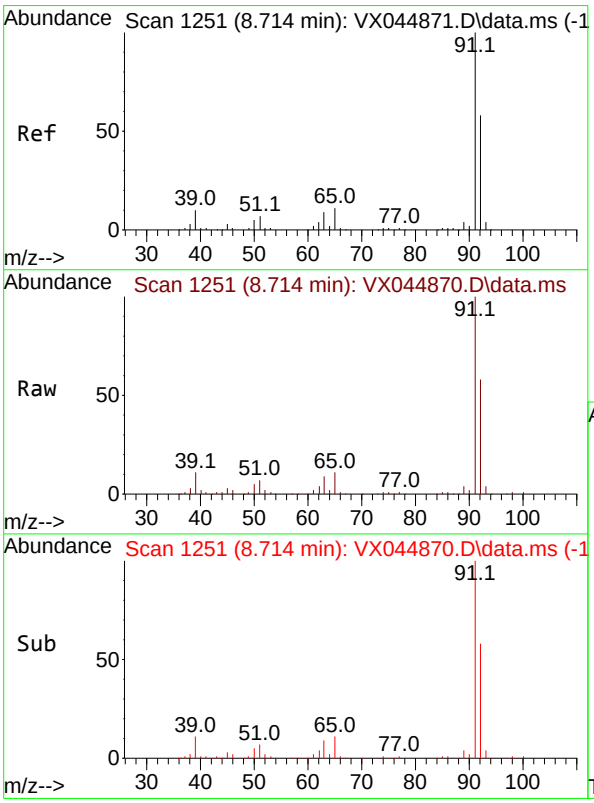
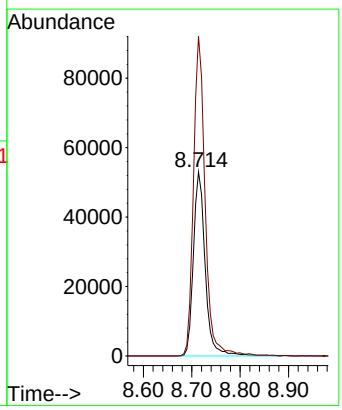
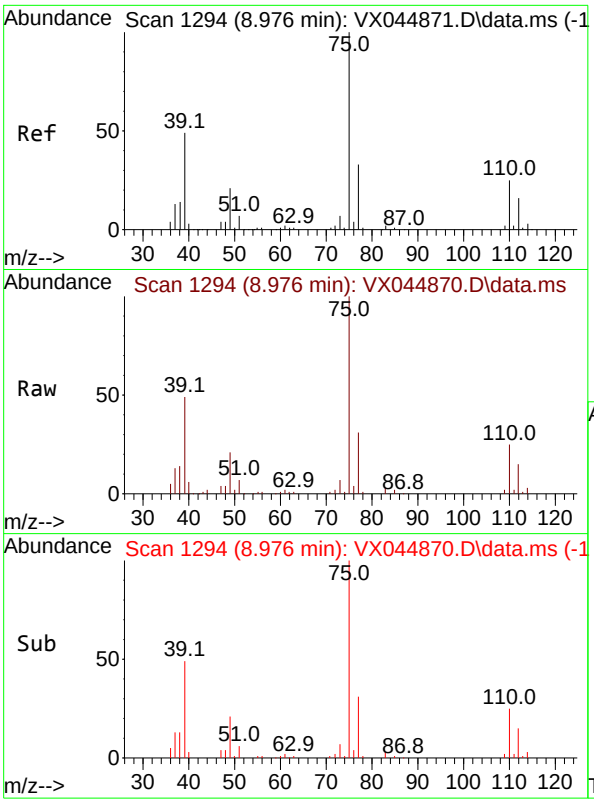


#52
Toluene
Concen: 21.940 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 92 Resp: 89726

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.4	206.2

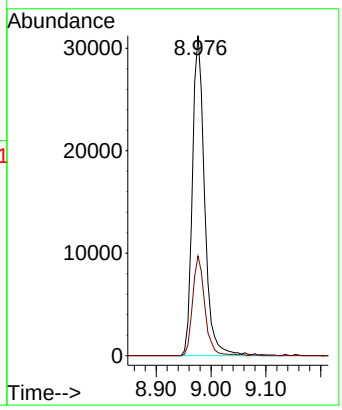




#53
t-1,3-Dichloropropene
Concen: 20.940 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 4861

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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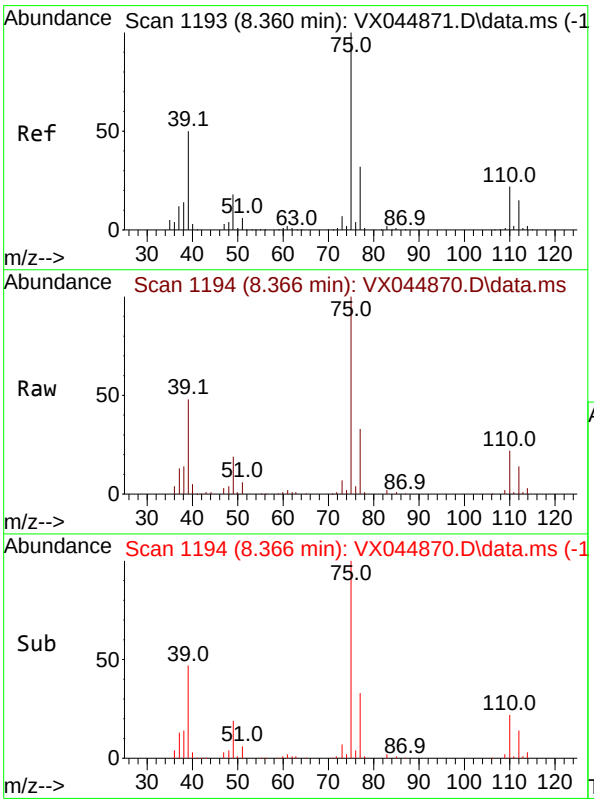
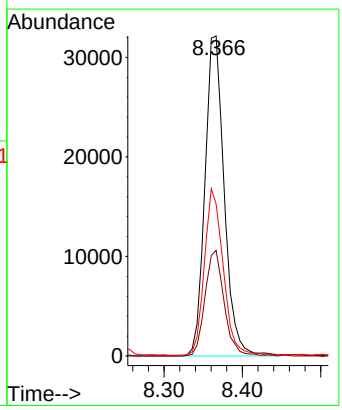
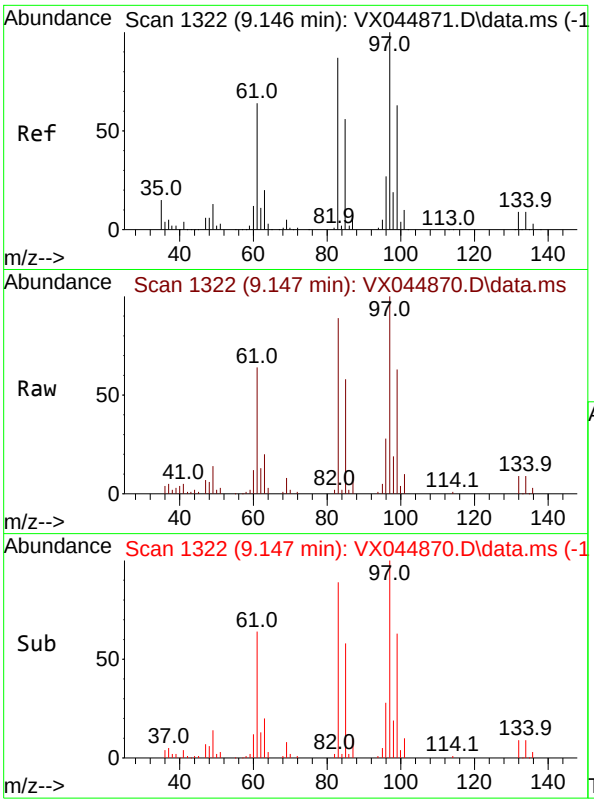


#54
cis-1,3-Dichloropropene
Concen: 21.259 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 55026

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9
39	47.3	40.0	60.0

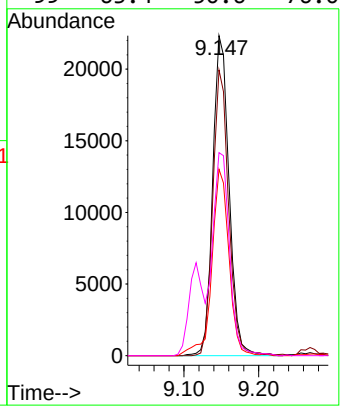




#55
1,1,2-Trichloroethane
Concen: 21.582 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 97 Resp: 3393

Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.8	104.6
85	58.3	44.8	67.2
99	63.4	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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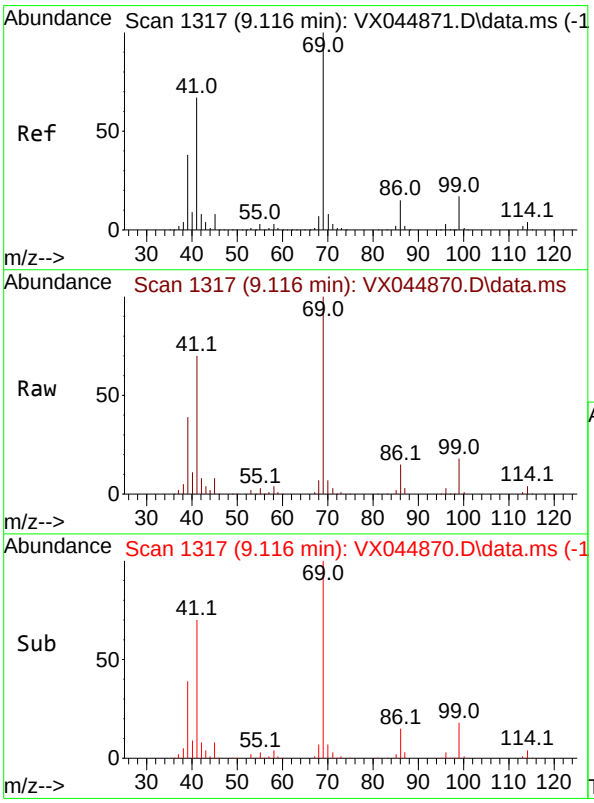
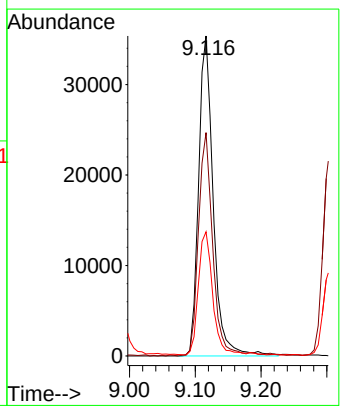
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

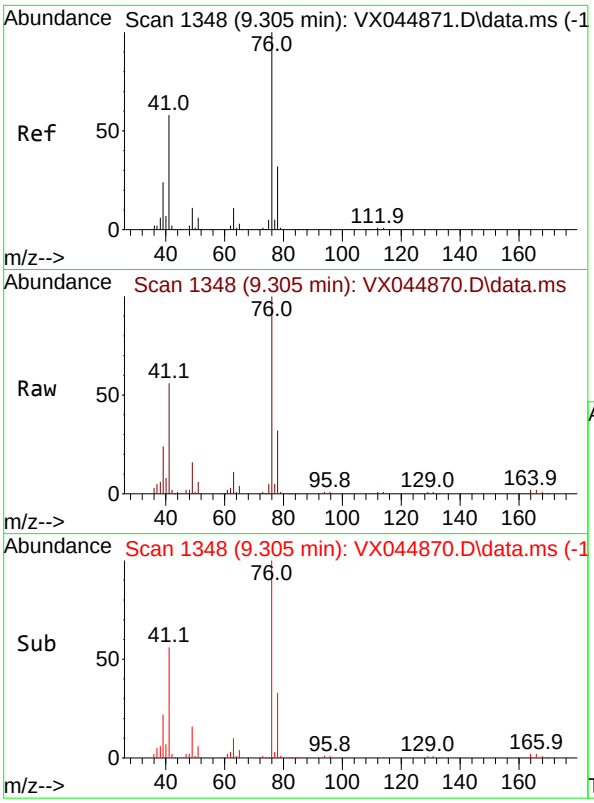


#56
Ethyl methacrylate
Concen: 21.533 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 69 Resp: 54674

Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.2	82.8
39	37.4	30.8	46.2

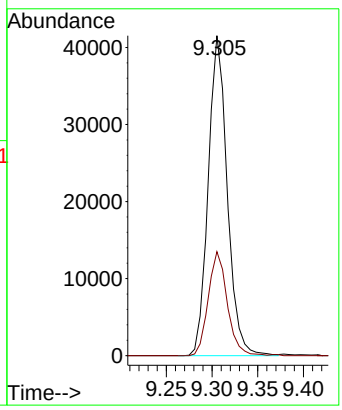




#57
1,3-Dichloropropane
Concen: 21.841 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 76 Resp: 6007

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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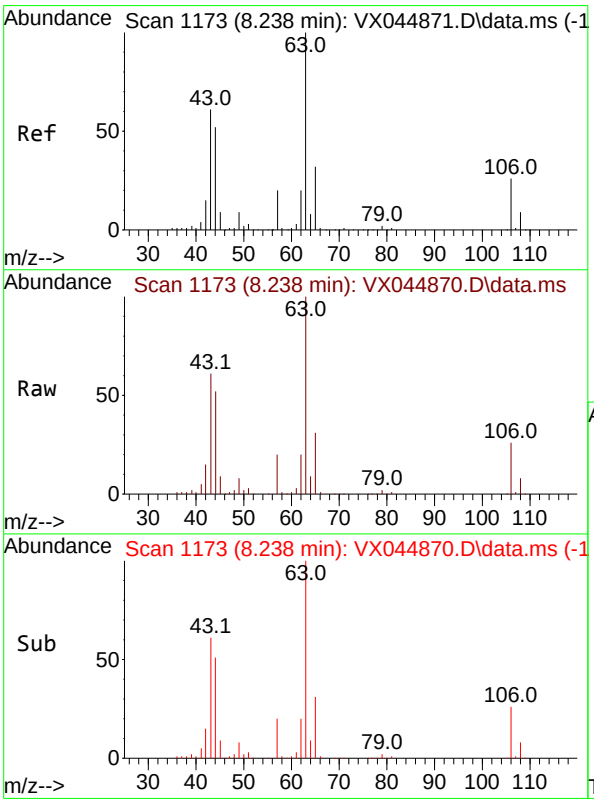
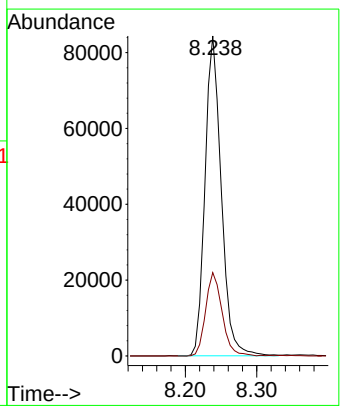
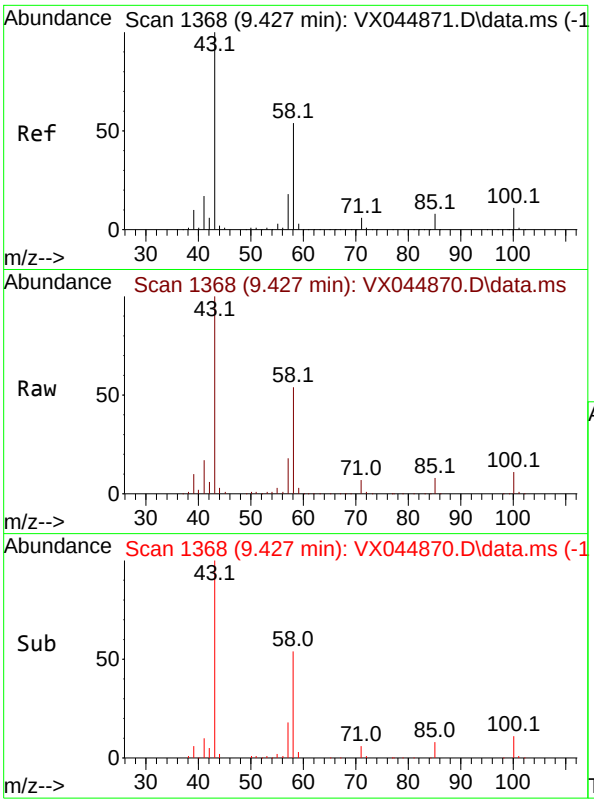


#58
2-Chloroethyl Vinyl ether
Concen: 106.736 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 63 Resp: 133072

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9

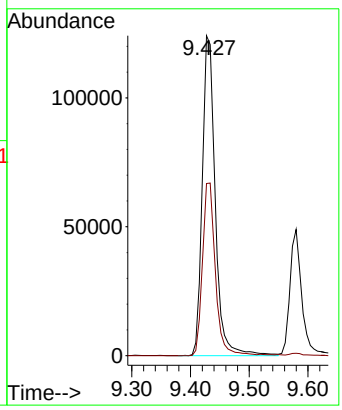




#59
2-Hexanone
Concen: 110.072 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 19044

Ion	Ratio	Lower	Upper
43	100		
58	53.5	27.5	82.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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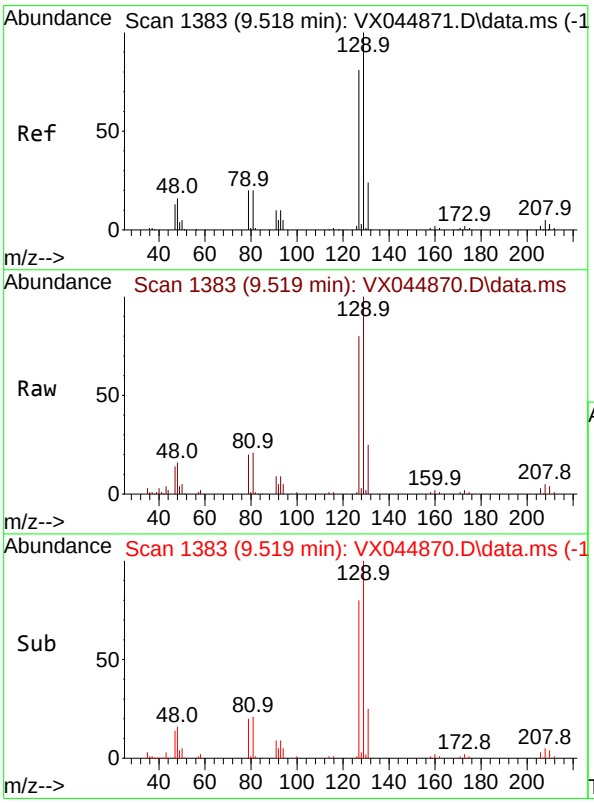
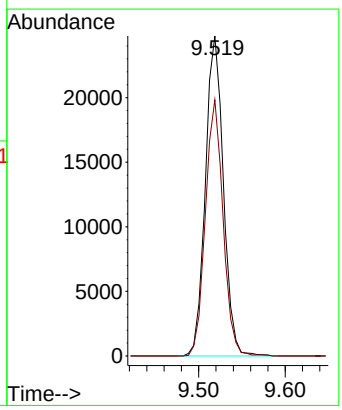
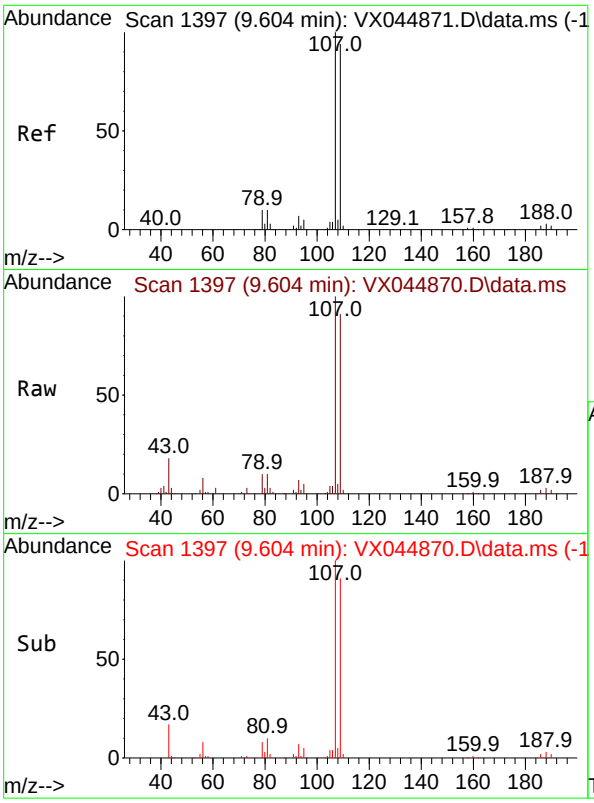


#60
Dibromochloromethane
Concen: 21.237 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:129 Resp: 35706

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.3

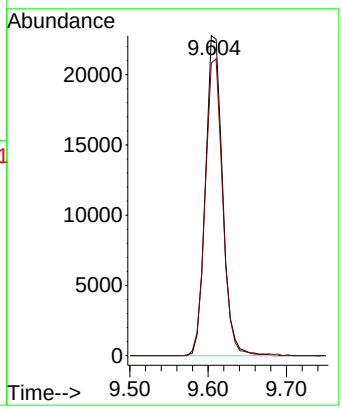




#61
1,2-Dibromoethane
Concen: 21.628 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:107 Resp: 3446

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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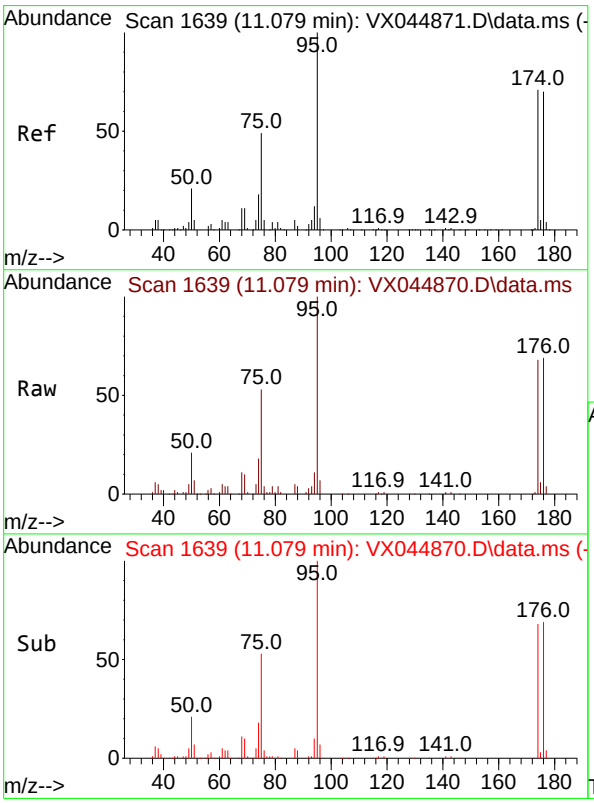
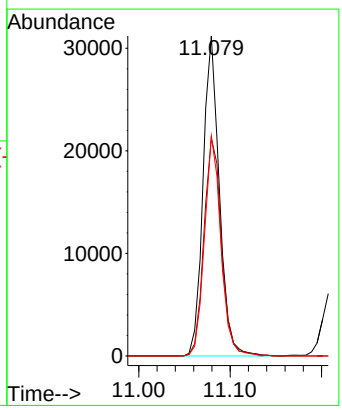
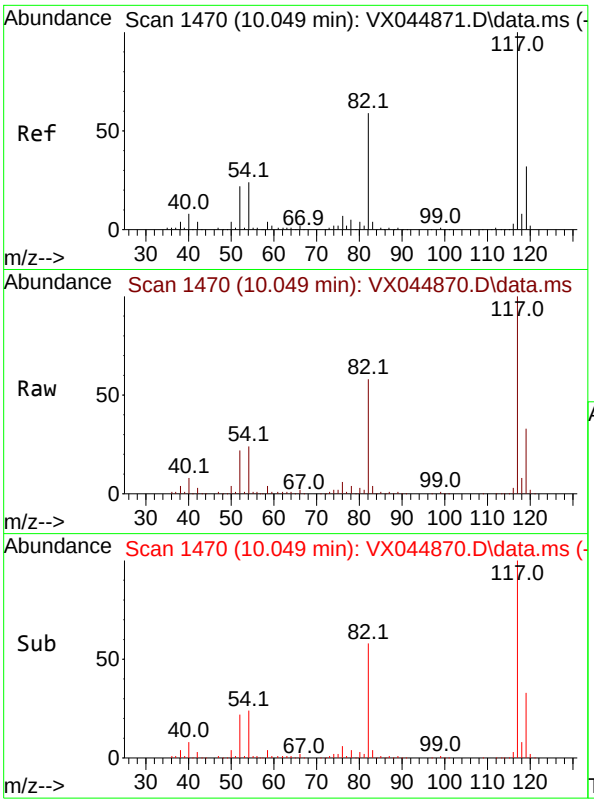


#62
4-Bromofluorobenzene
Concen: 19.800 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 95 Resp: 38475

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	142.6
176	69.0	0.0	141.6

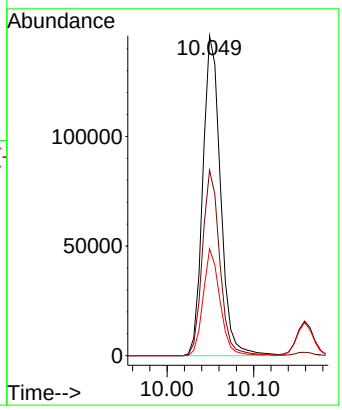




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:117 Resp: 20766

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.5	71.3
119	33.4	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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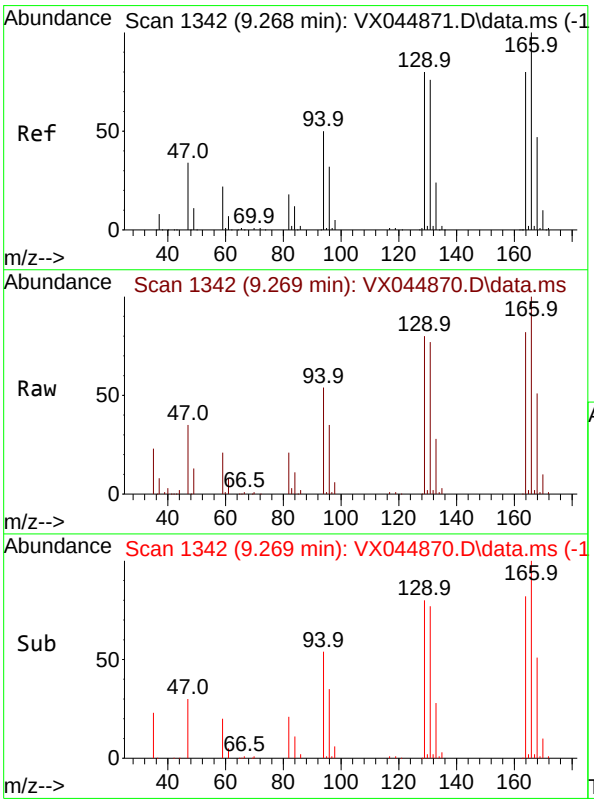
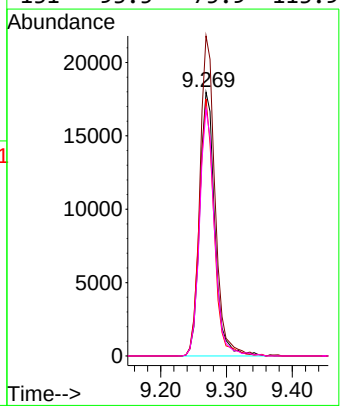
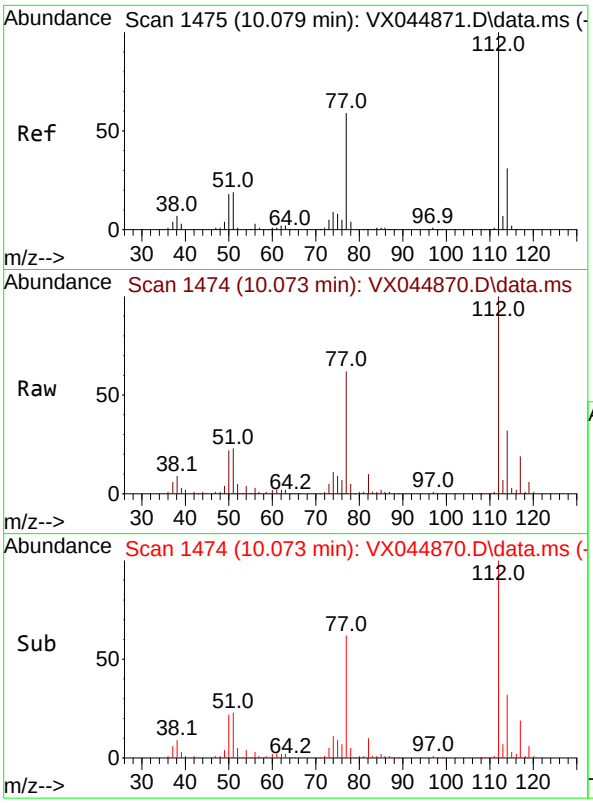


#64
Tetrachloroethene
Concen: 21.776 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:164 Resp: 28519

Ion	Ratio	Lower	Upper
164	100		
166	121.4	100.4	150.6
129	97.6	79.9	119.9
131	93.5	75.9	113.9





#65
Chlorobenzene
Concen: 21.230 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:112 Resp: 9469

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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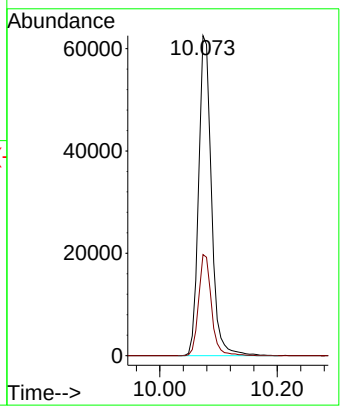
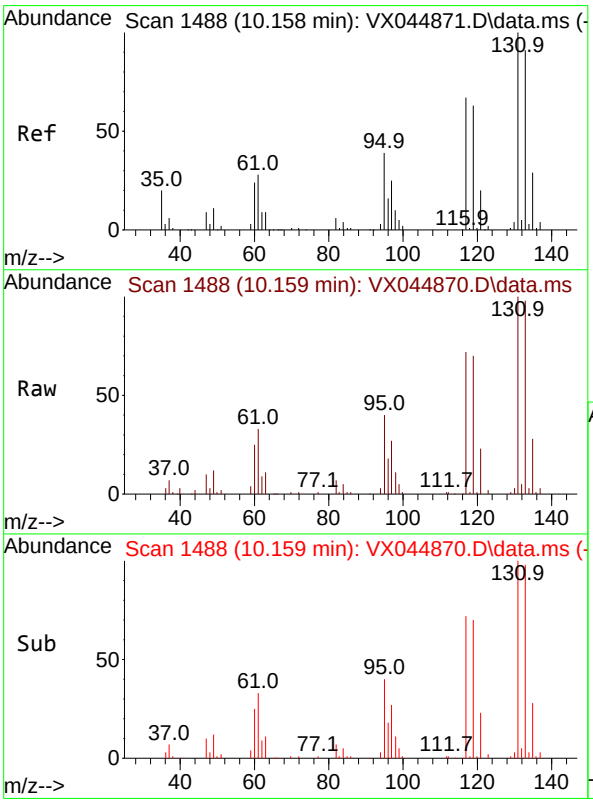
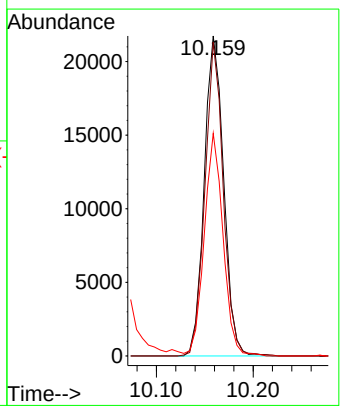


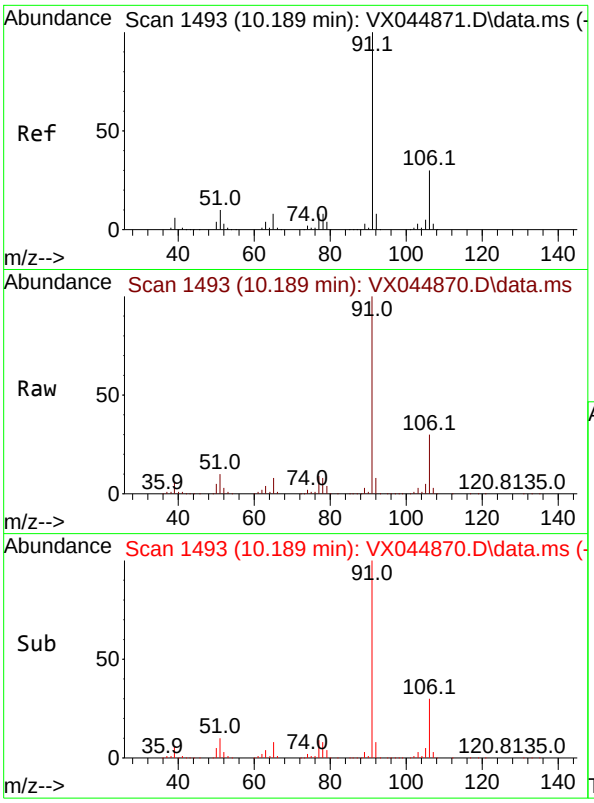


#66
1,1,1,2-Tetrachloroethane
Concen: 21.136 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:131 Resp: 30344

Ion	Ratio	Lower	Upper
131	100		
133	92.9	47.1	141.3
119	67.4	33.6	100.6

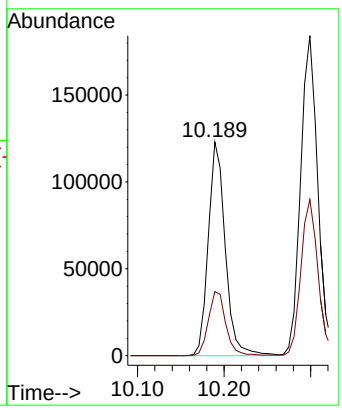




#67
Ethyl Benzene
Concen: 21.327 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 16786

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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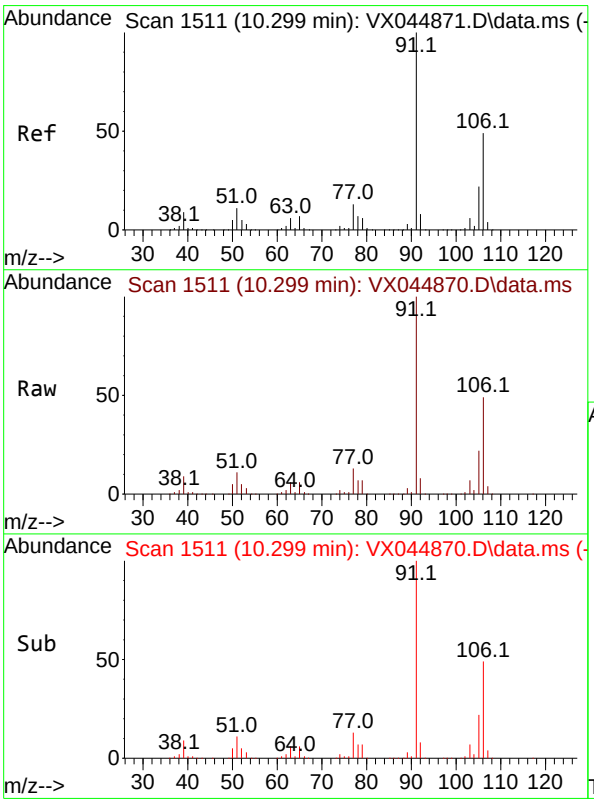
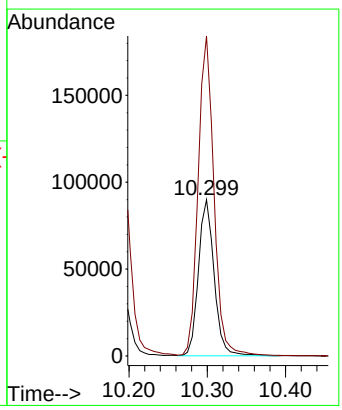
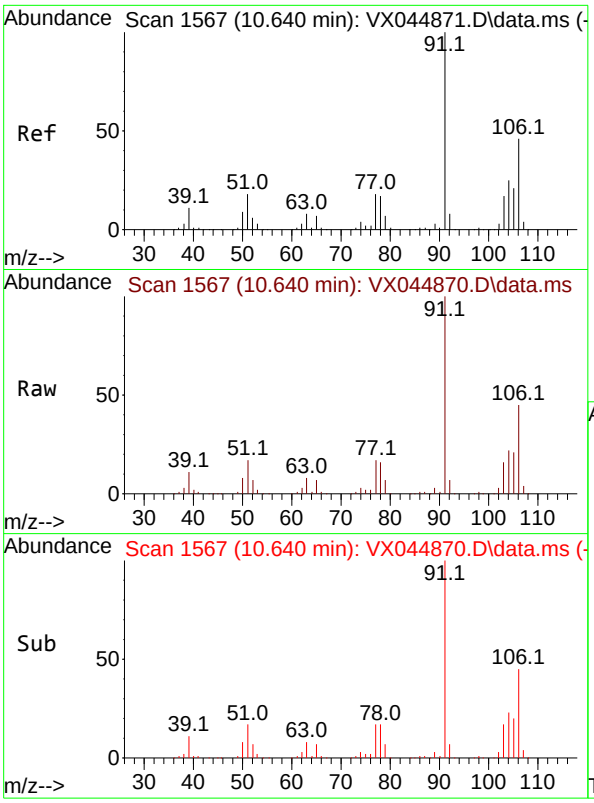


#68
m/p-Xylenes
Concen: 43.144 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:106 Resp: 125271

Ion	Ratio	Lower	Upper
106	100		
91	206.3	164.3	246.5

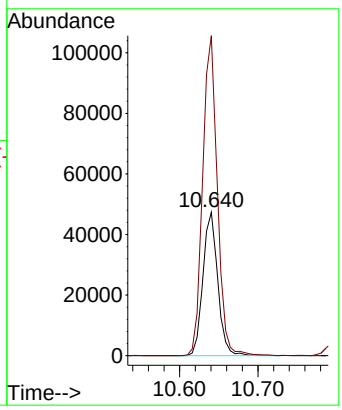




#69
o-Xylene
Concen: 21.310 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:106 Resp: 6208

Ion	Ratio	Lower	Upper
106	100		
91	221.5	108.5	325.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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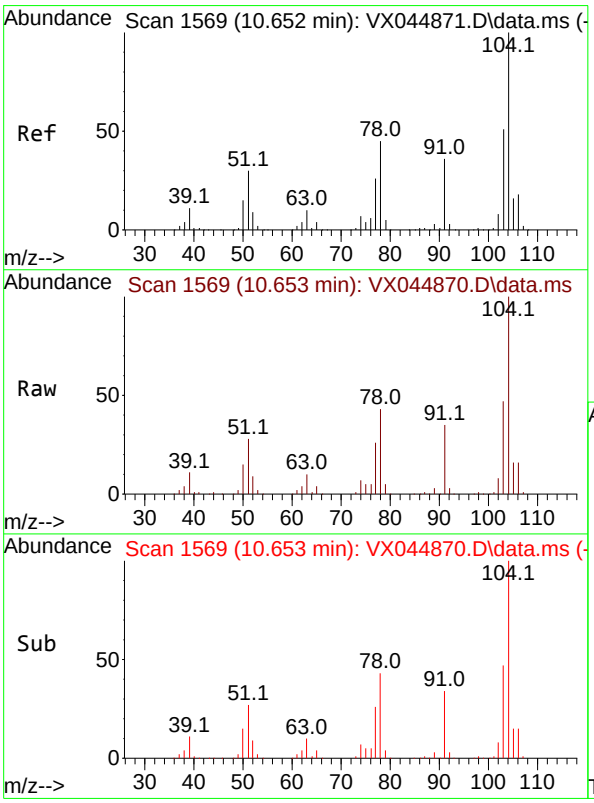
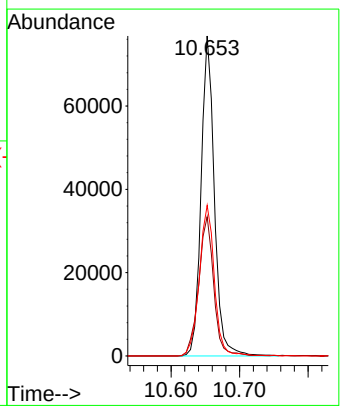
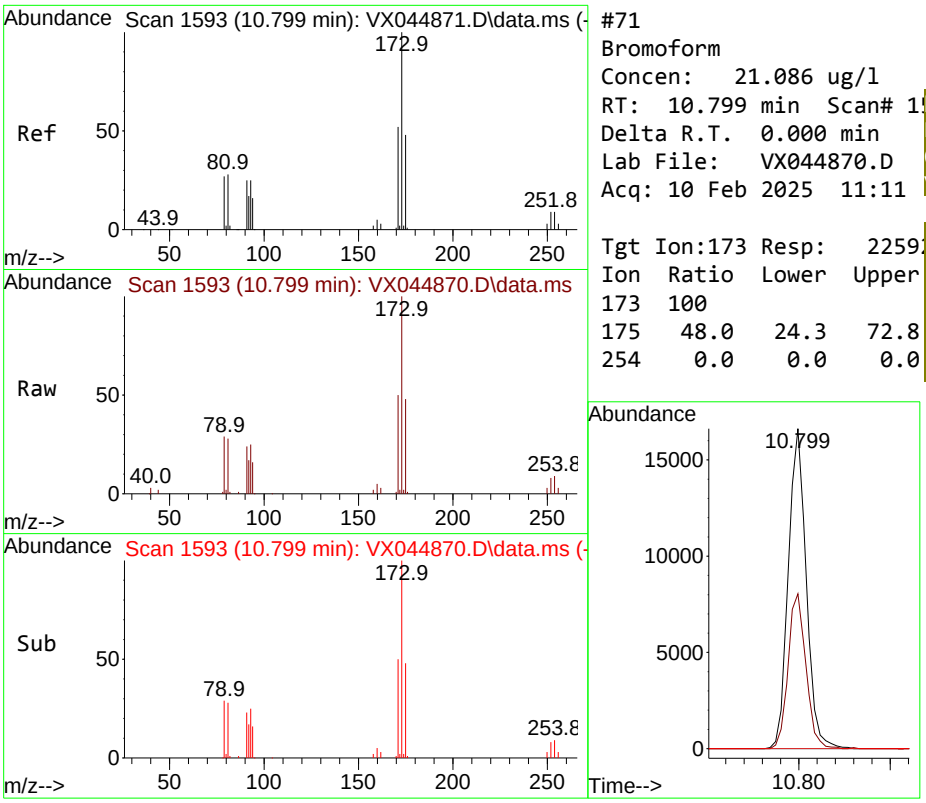


#70
Styrene
Concen: 22.101 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:104 Resp: 103740

Ion	Ratio	Lower	Upper
104	100		
78	49.2	40.5	60.7
103	53.5	43.6	65.4





#71
Bromoform
Concen: 21.086 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:173 Resp: 2259

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.8
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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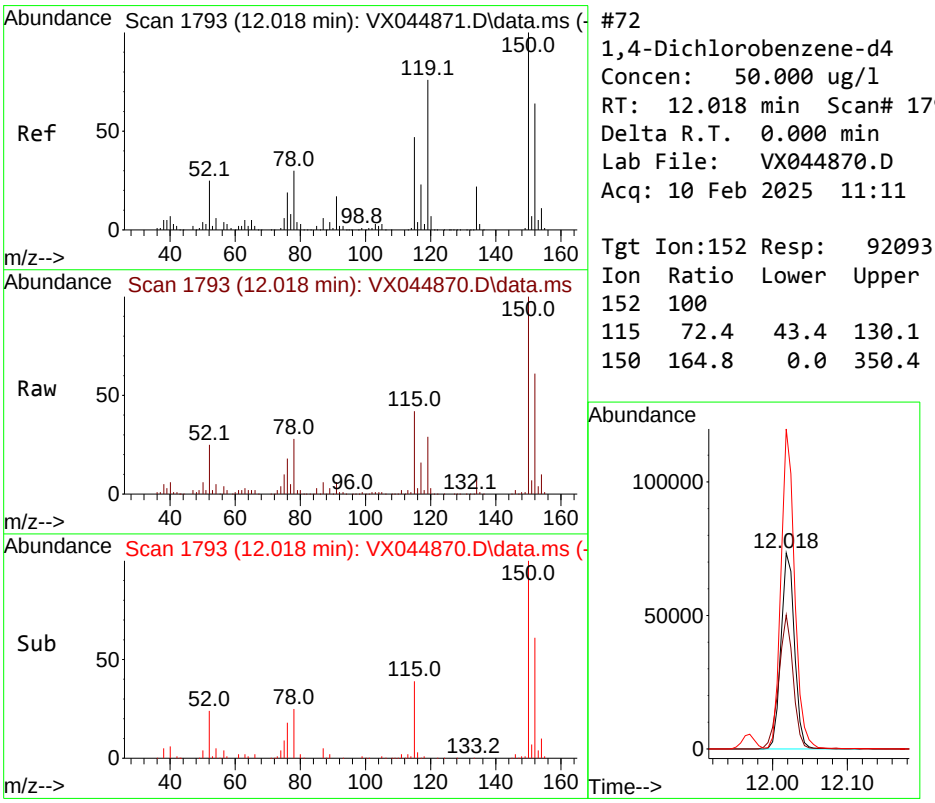
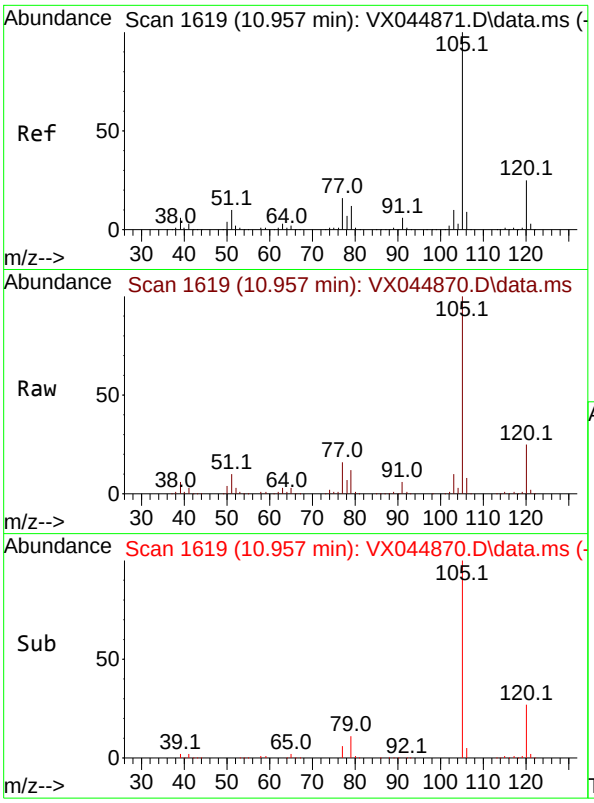


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:152 Resp: 92093

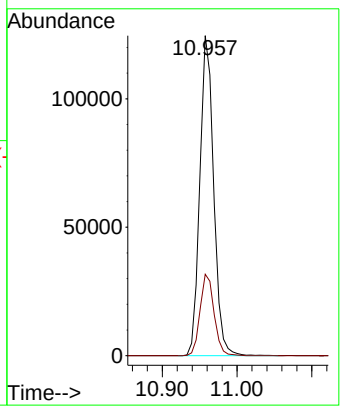
Ion	Ratio	Lower	Upper
152	100		
115	72.4	43.4	130.1
150	164.8	0.0	350.4



#73
Isopropylbenzene
Concen: 21.597 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:105 Resp: 16014

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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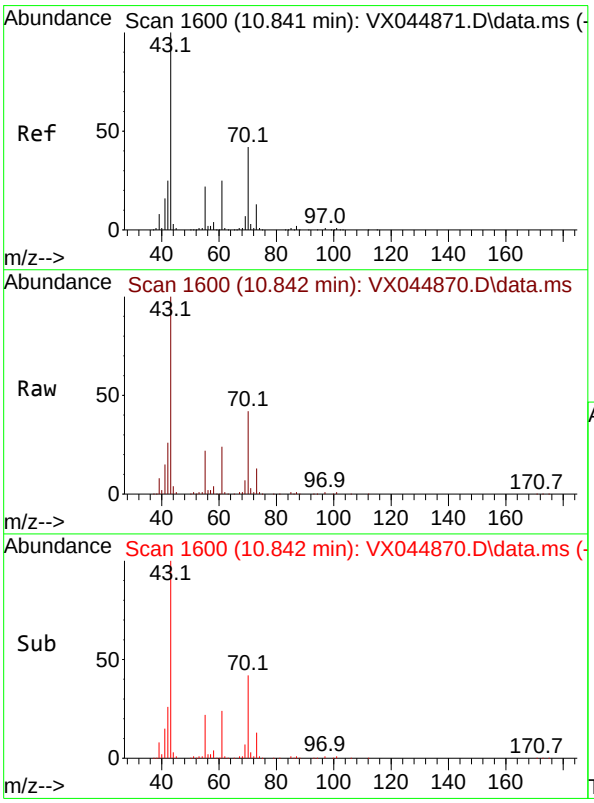
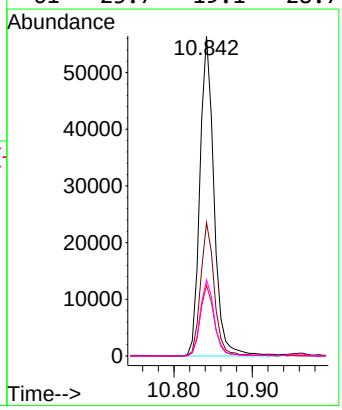
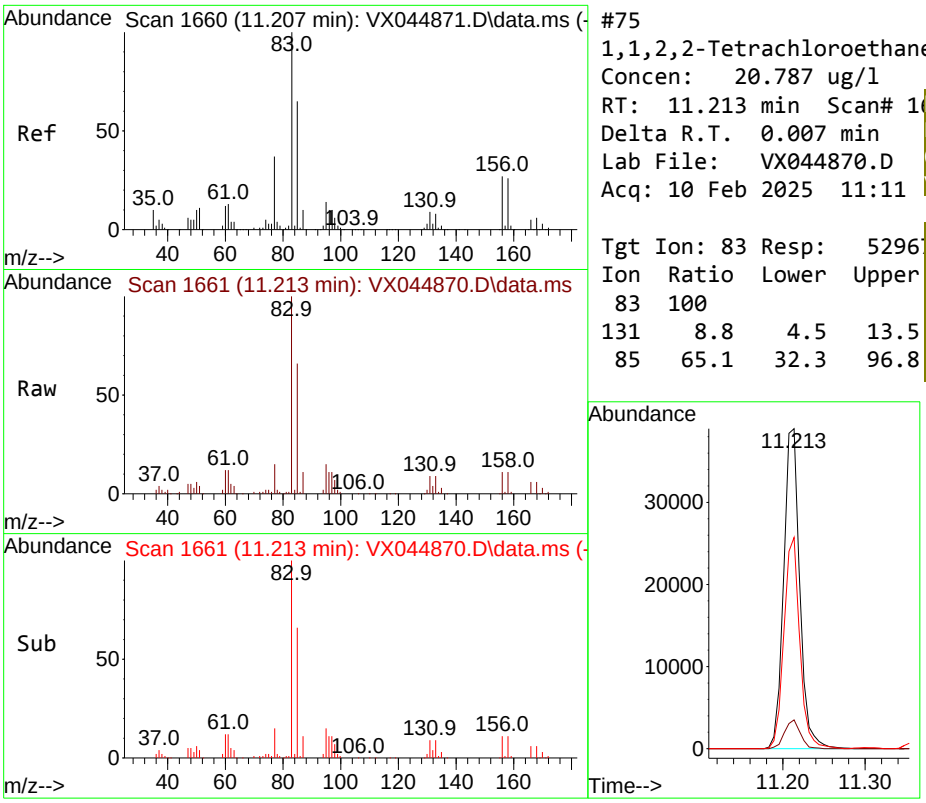


#74
N-amyl acetate
Concen: 21.023 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 70542

Ion	Ratio	Lower	Upper
43	100		
70	40.7	33.7	50.5
55	22.4	18.6	27.8
61	23.7	19.1	28.7





#75
1,1,2,2-Tetrachloroethane
Concen: 20.787 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 83 Resp: 5296

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.5	13.5
85	65.1	32.3	96.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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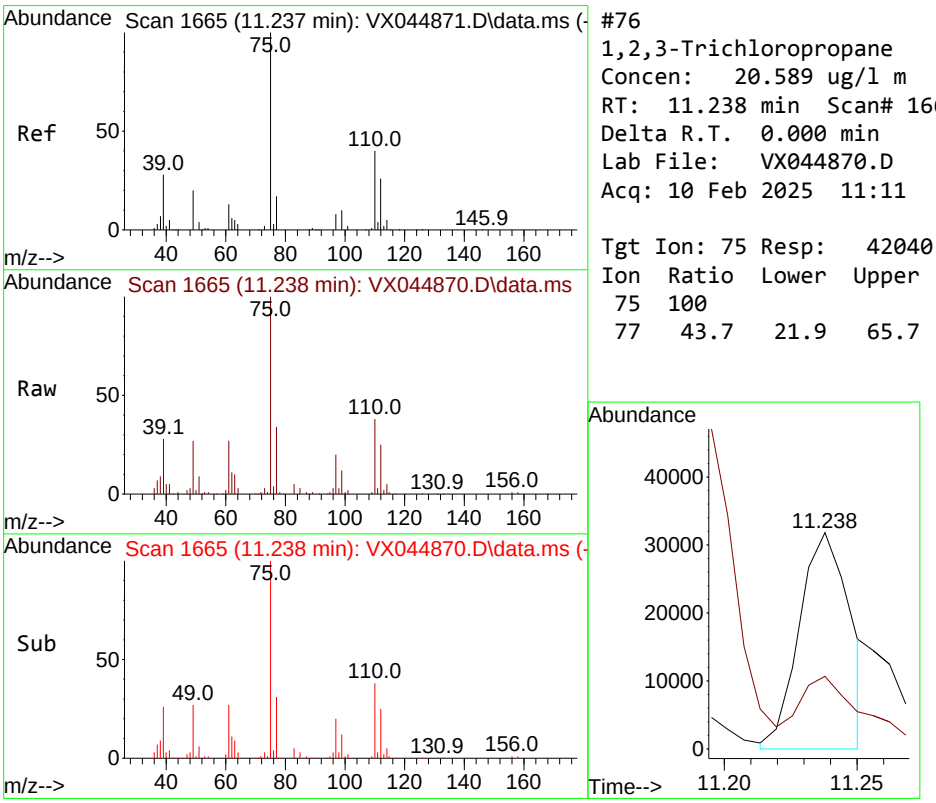
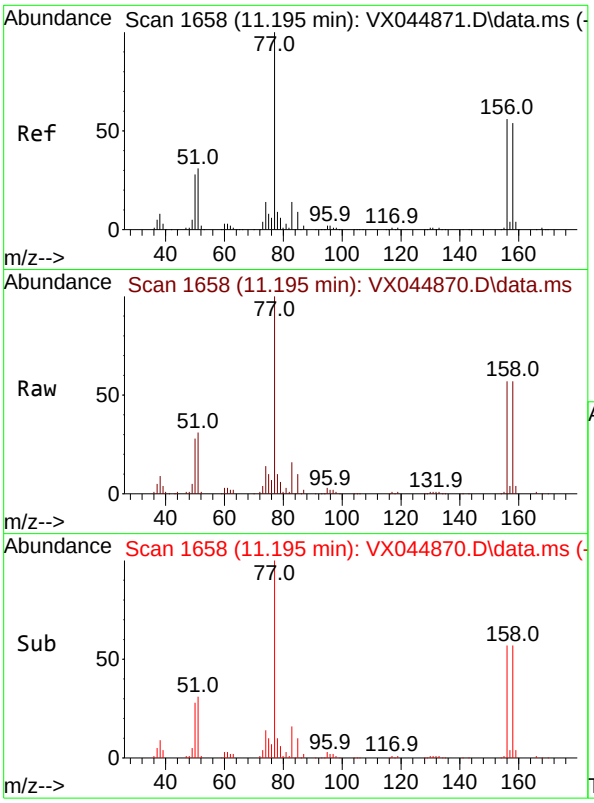


#76
1,2,3-Trichloropropane
Concen: 20.589 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 42040

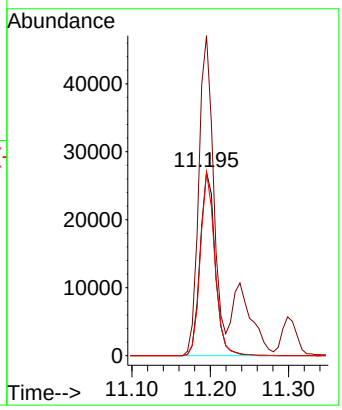
Ion	Ratio	Lower	Upper
75	100		
77	43.7	21.9	65.7



#77
Bromobenzene
Concen: 21.426 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:156 Resp: 3602

Ion	Ratio	Lower	Upper
156	100		
77	171.1	88.4	265.3
158	96.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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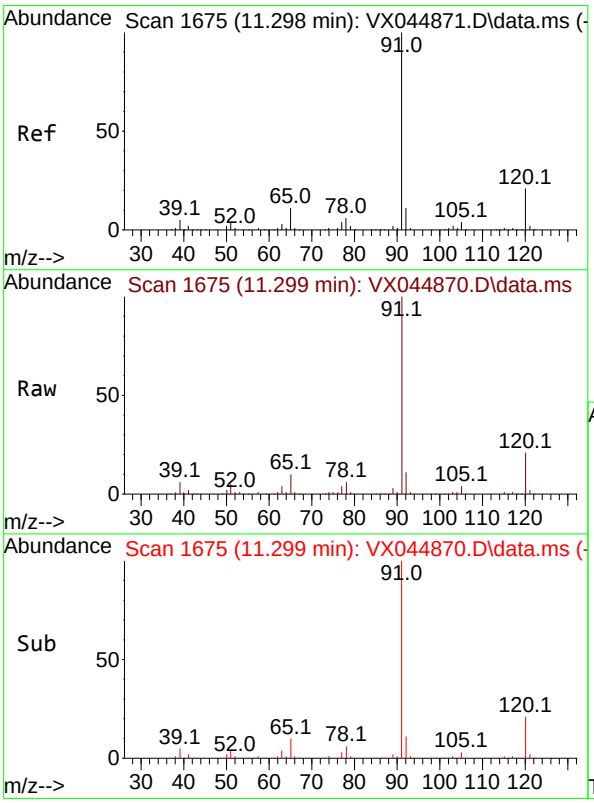
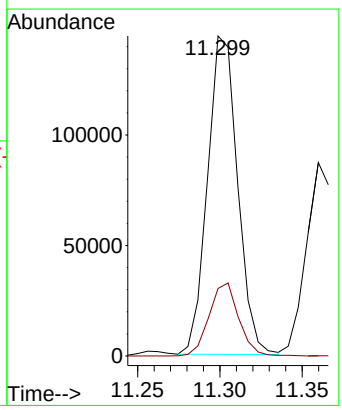
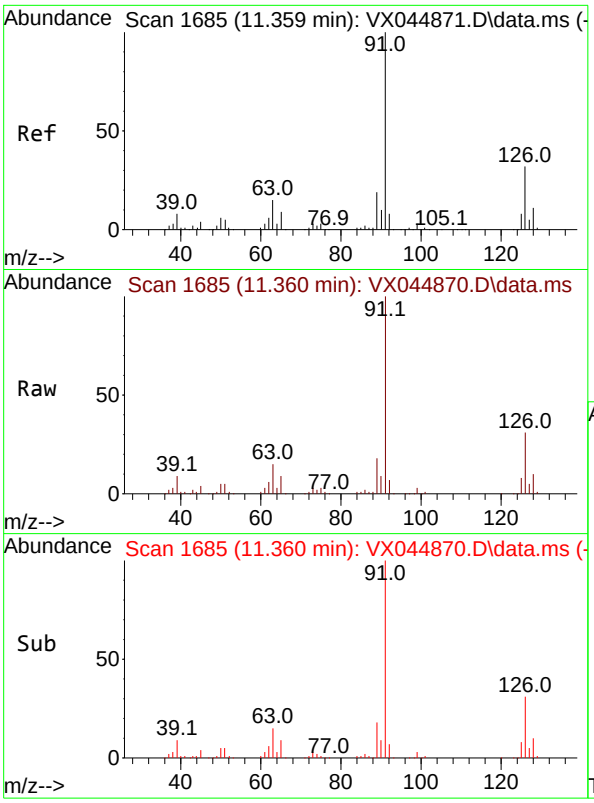


#78
n-propylbenzene
Concen: 21.406 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 183212

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.3





#79
2-Chlorotoluene
Concen: 21.250 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 11178

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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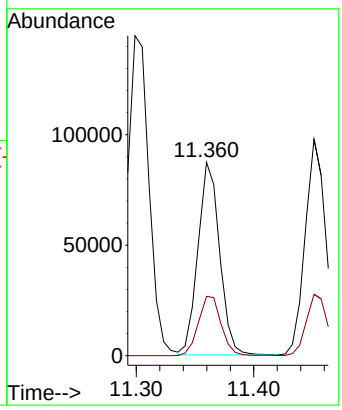
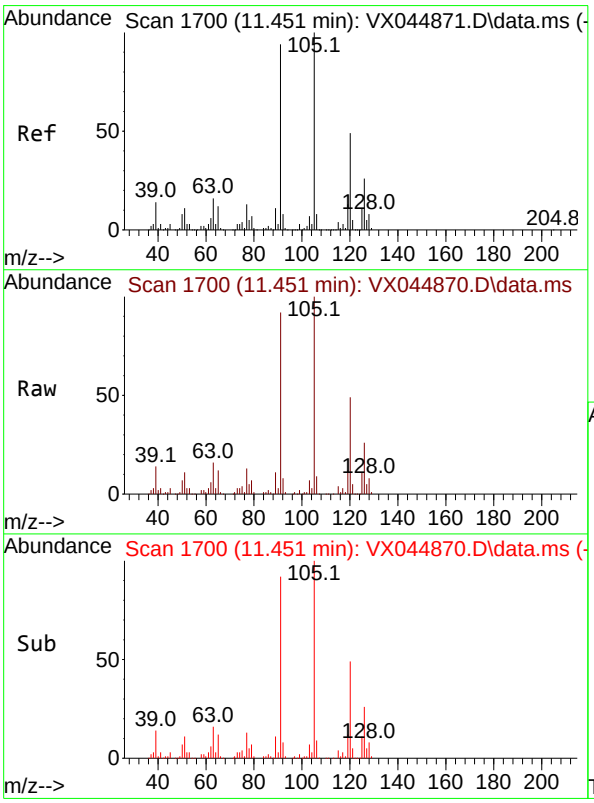
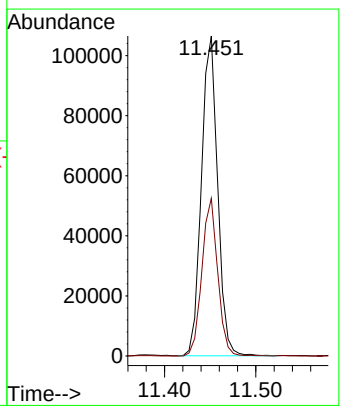


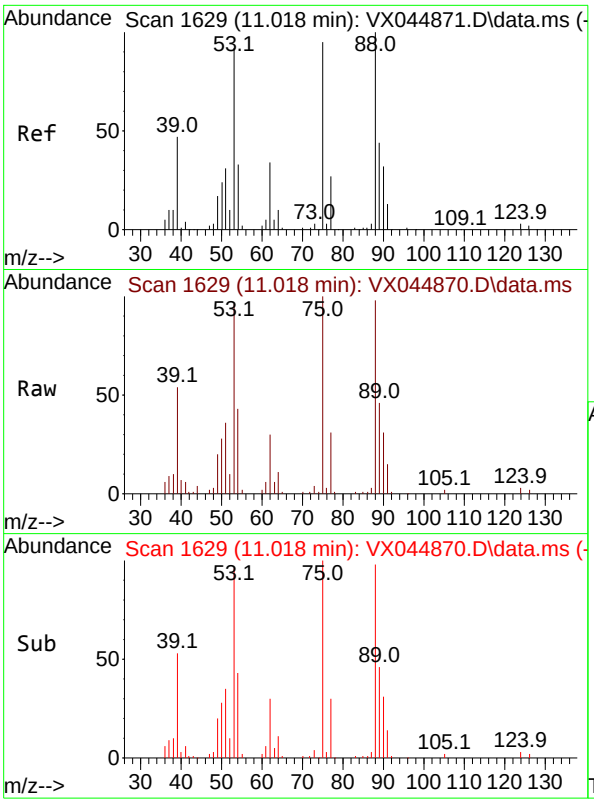


#80
1,3,5-Trimethylbenzene
Concen: 21.691 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:105 Resp: 130526

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 19.370 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 1537

Ion	Ratio	Lower	Upper
75	100		
53	103.3	78.0	117.0
89	45.3	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
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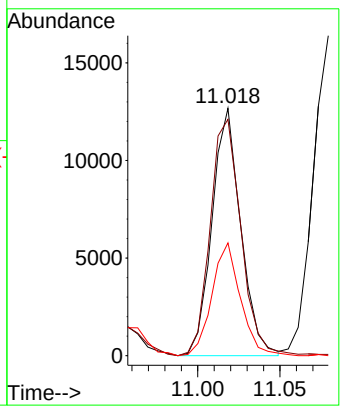
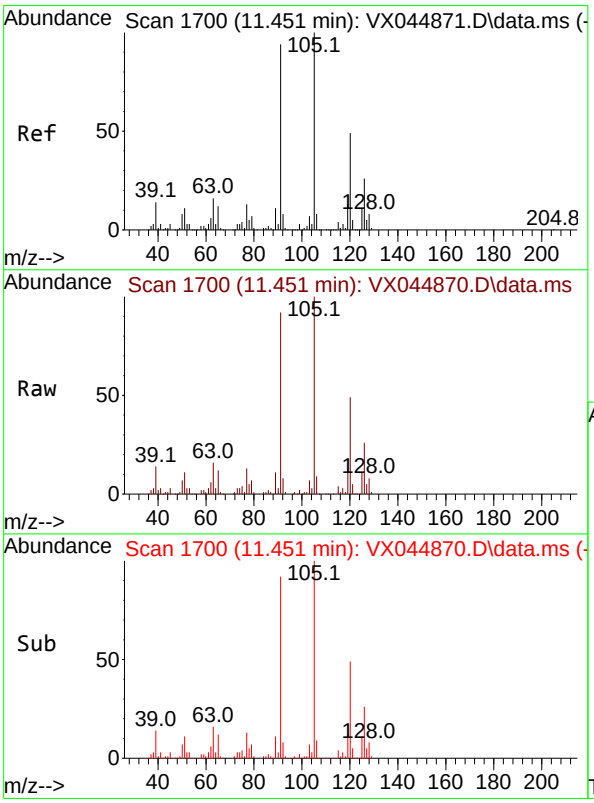
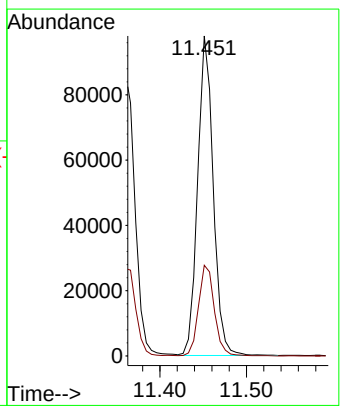


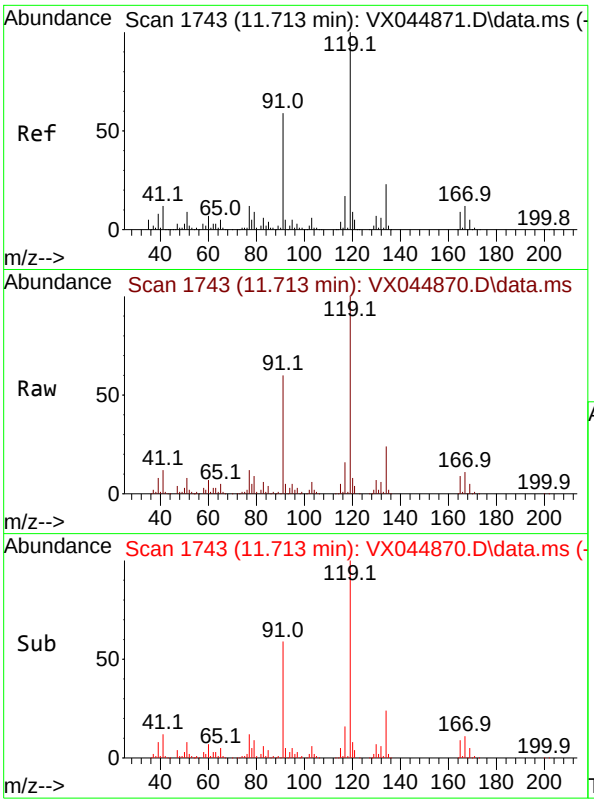


#82
4-Chlorotoluene
Concen: 21.016 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 122303

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

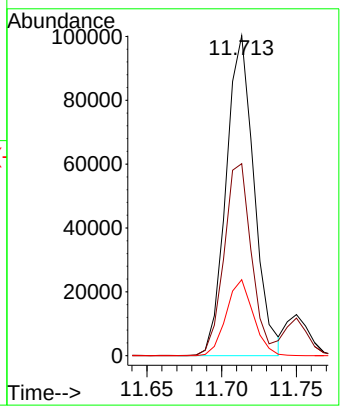




#83
tert-Butylbenzene
Concen: 21.414 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:119 Resp: 13035

Ion	Ratio	Lower	Upper
119	100		
91	58.6	29.1	87.4
134	23.1	11.5	34.5



Instrument :
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ClientSampleId :
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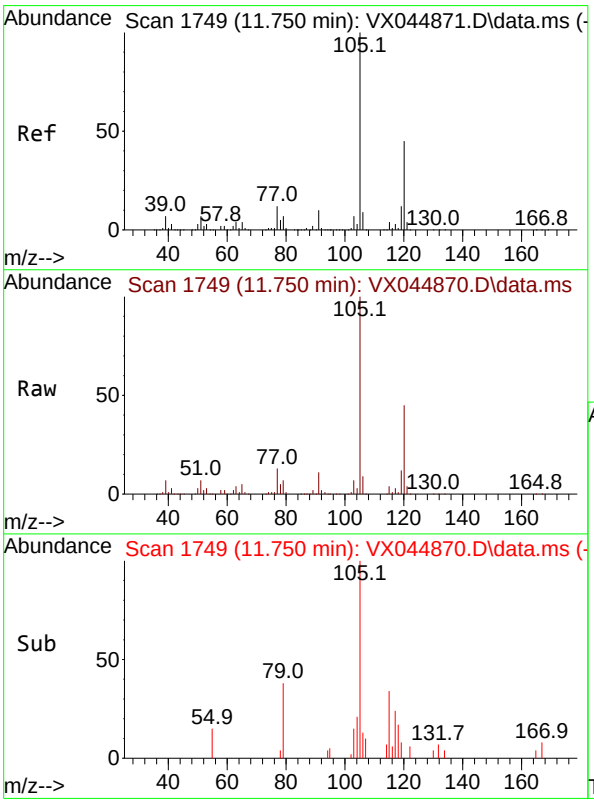
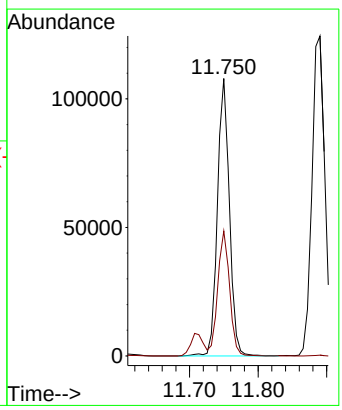
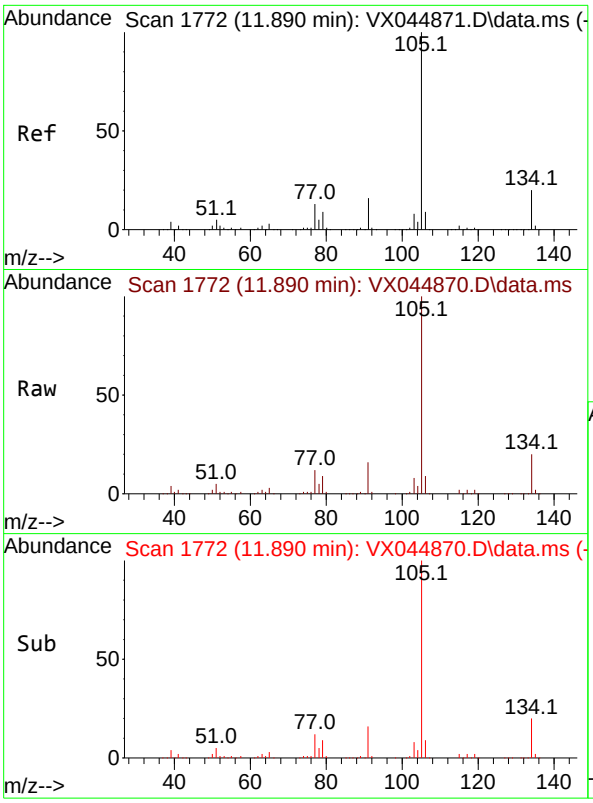


#84
1,2,4-Trimethylbenzene
Concen: 21.924 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:105 Resp: 130211

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.0

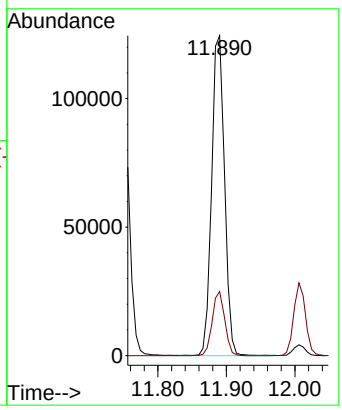




#85
sec-Butylbenzene
Concen: 21.607 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:105 Resp: 16287

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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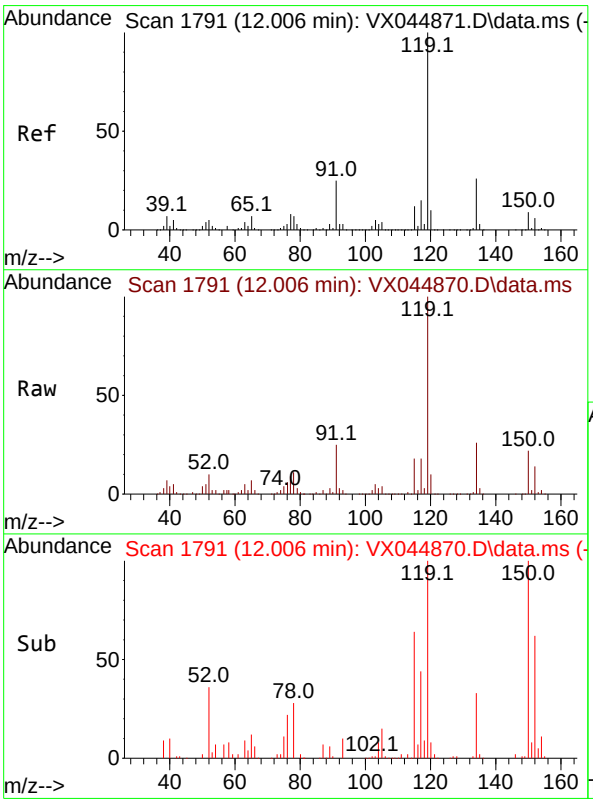
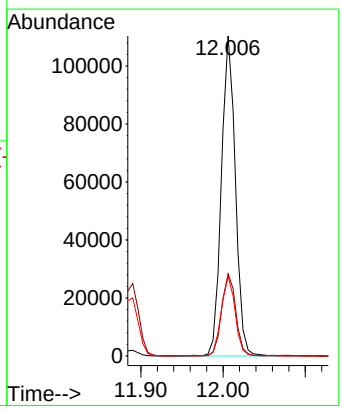
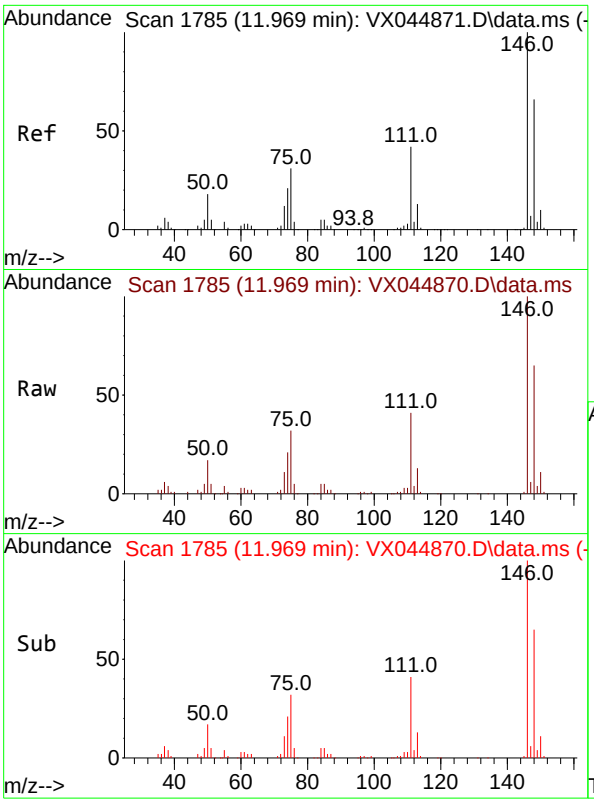


#86
p-Isopropyltoluene
Concen: 21.551 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:119 Resp: 130643

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.7	12.1	36.3

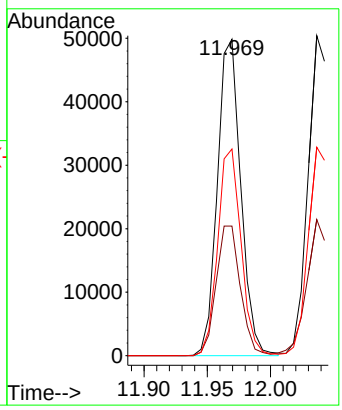




#87
1,3-Dichlorobenzene
Concen: 20.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:146 Resp: 6414

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	65.2	32.5	97.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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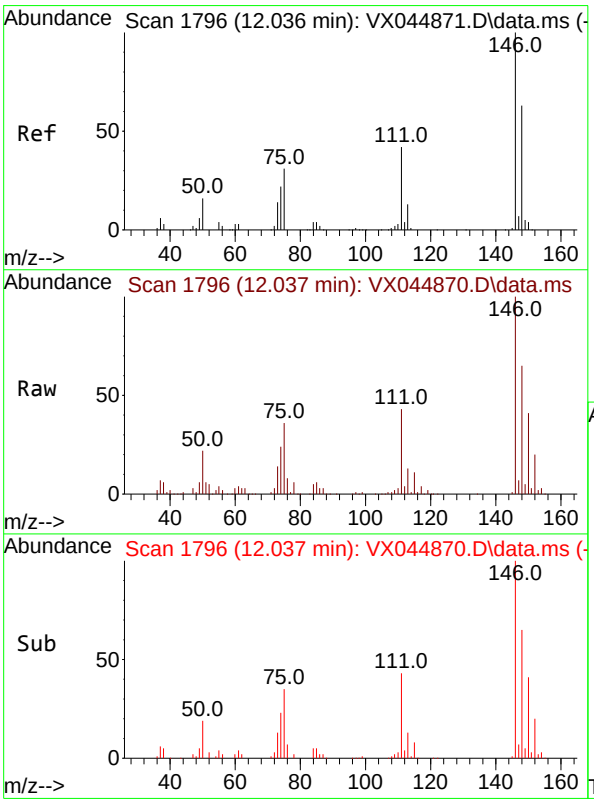
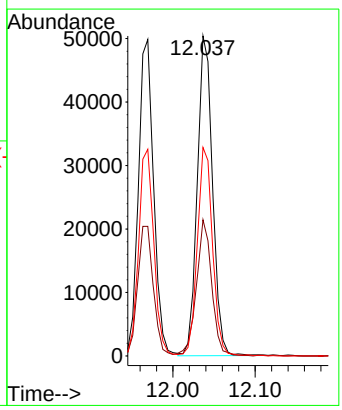
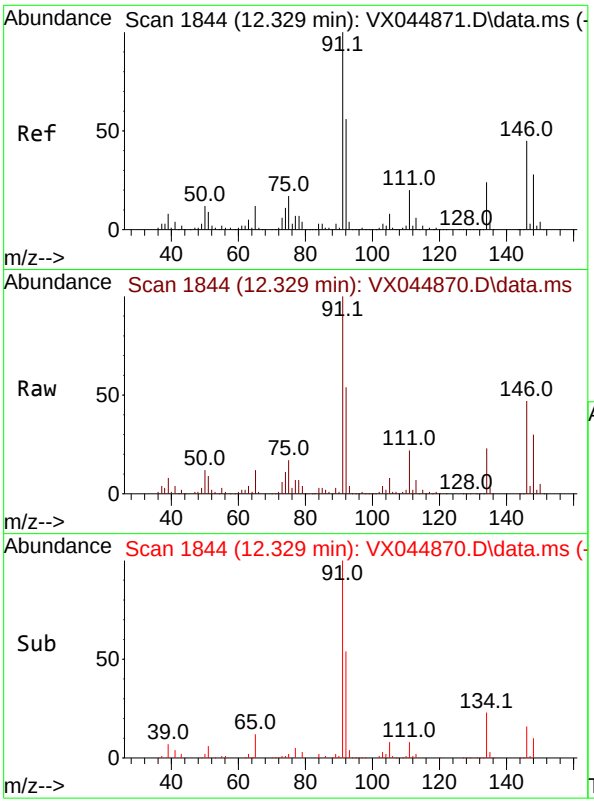


#88
1,4-Dichlorobenzene
Concen: 20.758 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:146 Resp: 64889

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.4	61.3
148	65.3	32.0	96.0

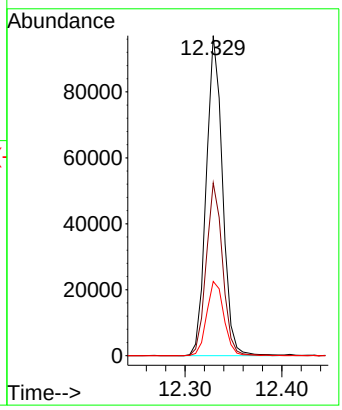




#89
n-Butylbenzene
Concen: 21.202 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 11370

Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.6
134	24.7	12.1	36.3



Instrument :
MSVOA_X
ClientSampleId :
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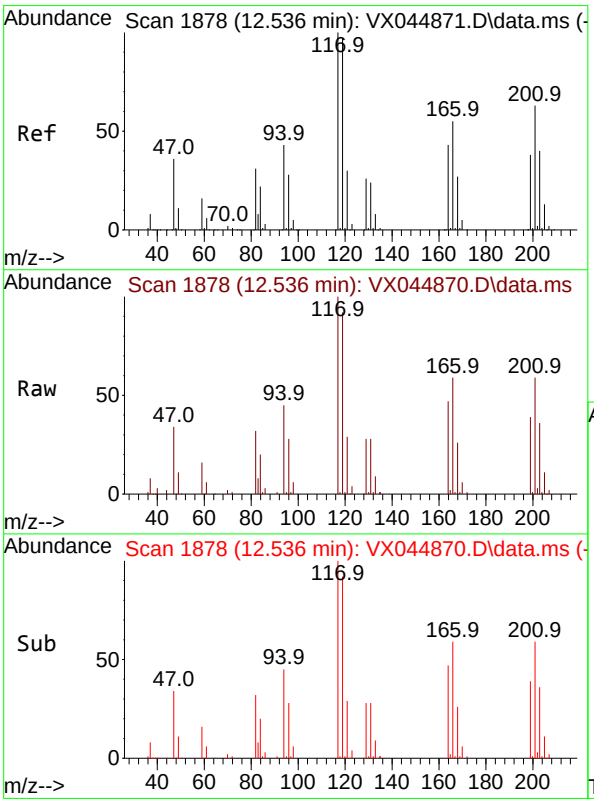
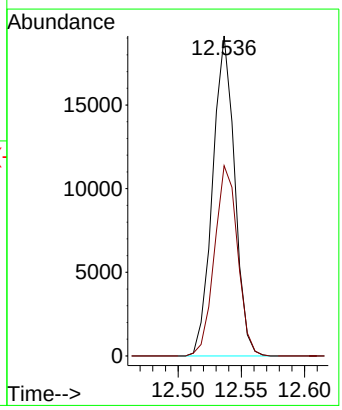
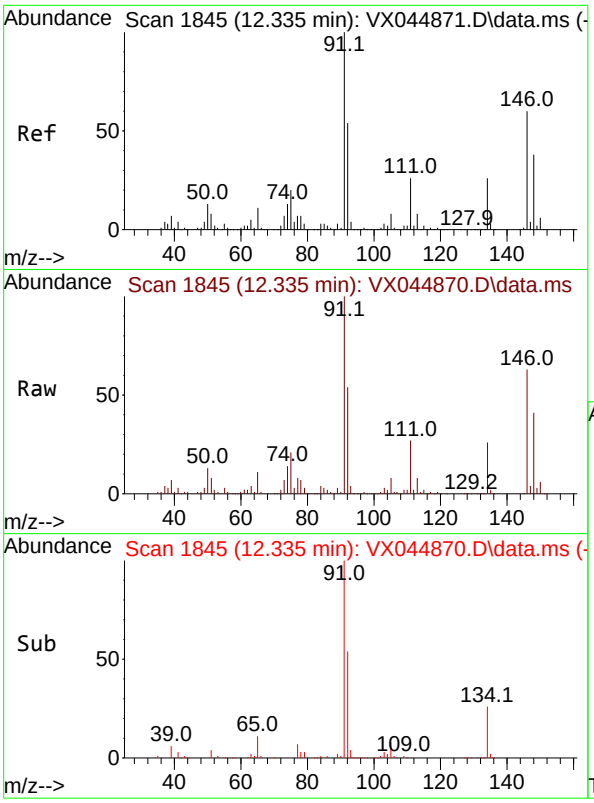


#90
Hexachloroethane
Concen: 20.398 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:117 Resp: 23153

Ion	Ratio	Lower	Upper
117	100		
201	62.4	32.5	97.5

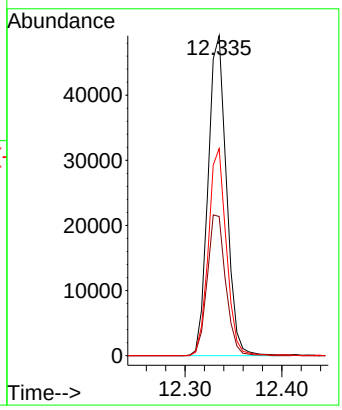




#91
1,2-Dichlorobenzene
Concen: 21.373 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:146 Resp: 6494

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.4
148	63.3	31.9	95.9



Instrument :
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ClientSampleId :
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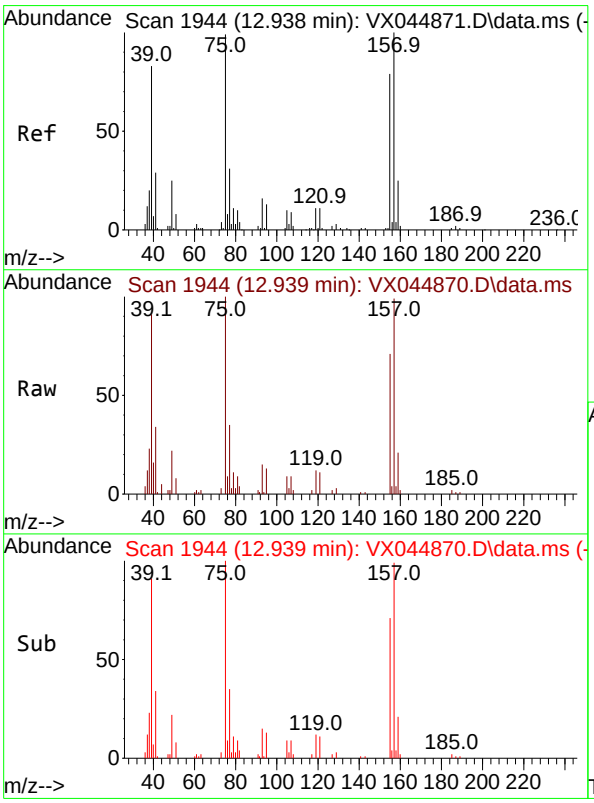
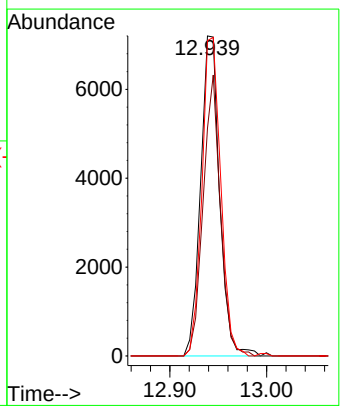
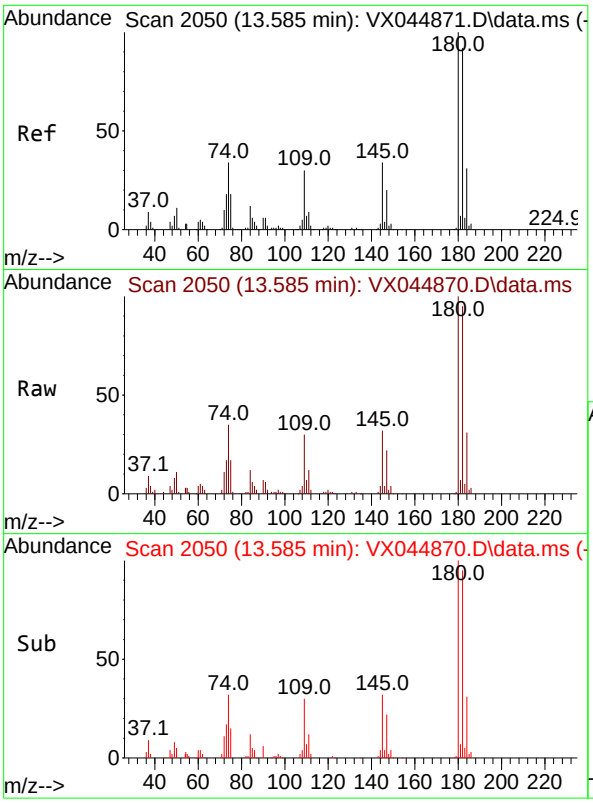


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.230 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 9873

Ion	Ratio	Lower	Upper
75	100		
155	79.8	40.5	121.4
157	98.3	51.4	154.3

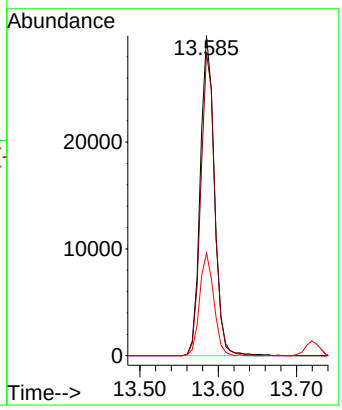




#93
1,2,4-Trichlorobenzene
Concen: 20.292 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:180 Resp: 3730

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.6	142.8
145	32.4	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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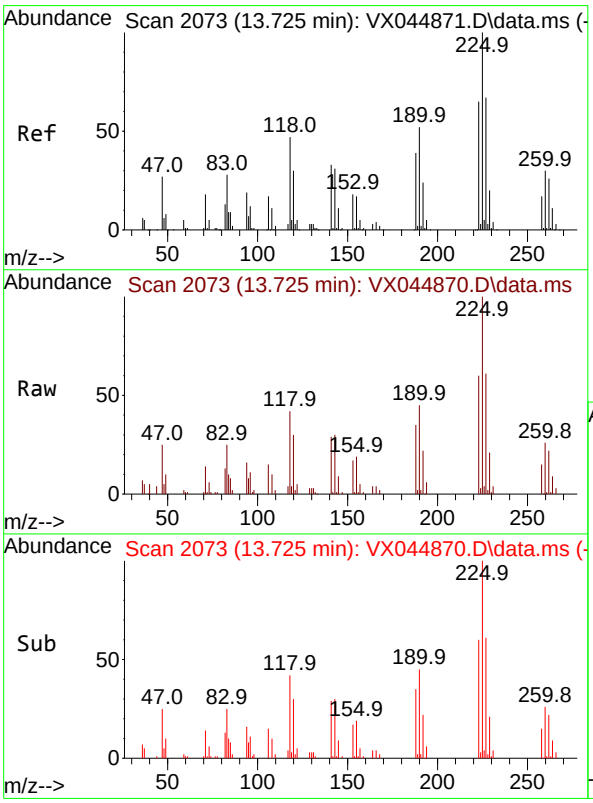
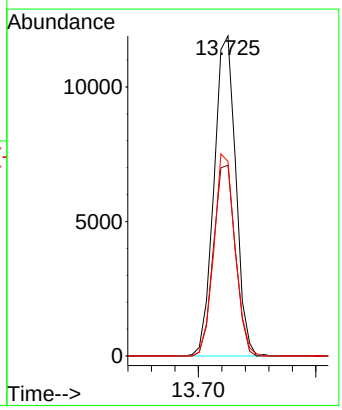
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

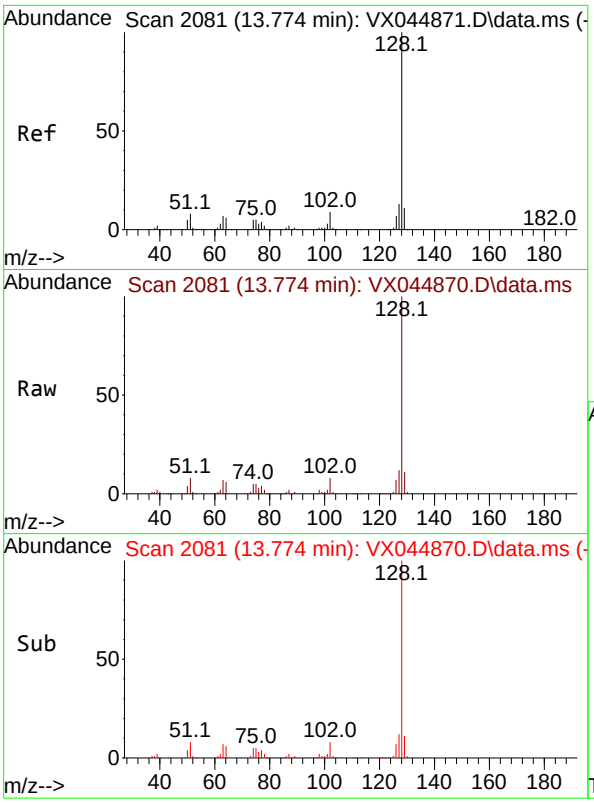


#94
Hexachlorobutadiene
Concen: 20.979 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:225 Resp: 15312

Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.4	94.2
227	61.4	32.3	96.8

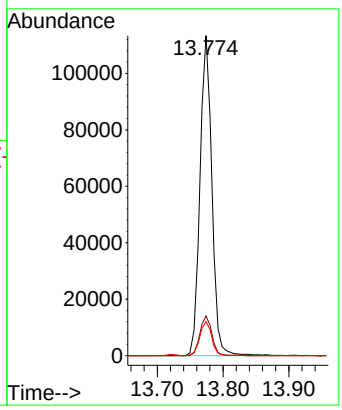




#95
Naphthalene
Concen: 21.502 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:128 Resp: 14290

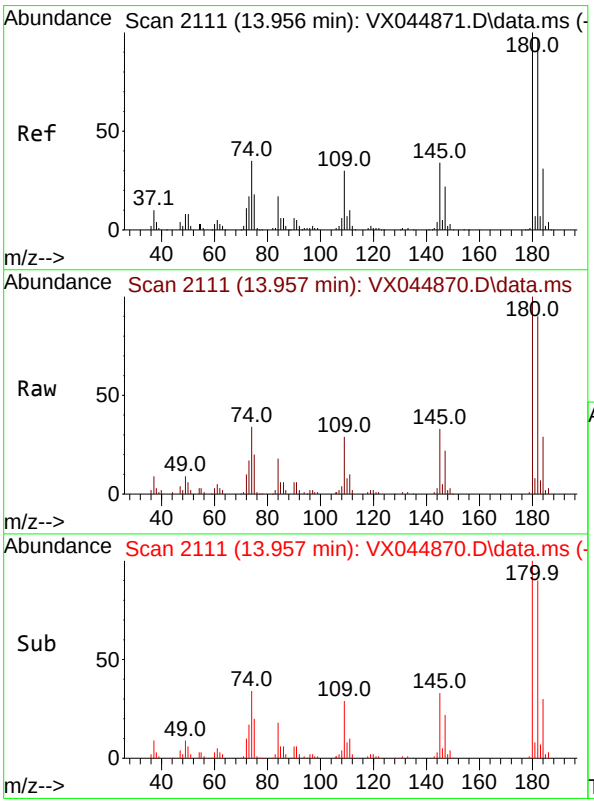
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.6	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

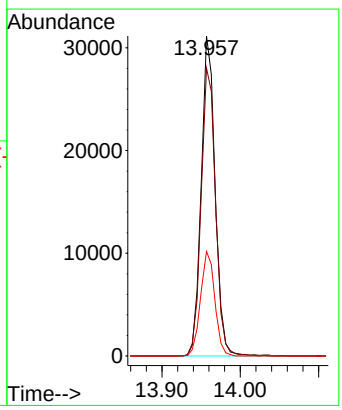
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.722 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:180 Resp: 38389

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.6
145	33.5	17.1	51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	127984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	204751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	92593	49.424	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.840%			
35) Dibromofluoromethane	5.379	113	74906	49.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	8.646	98	289575	50.392	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	11.079	95	100798	52.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	89581	49.905	ug/l	100
3) Chloromethane	1.300	50	107836	49.359	ug/l	100
4) Vinyl Chloride	1.373	62	103354	48.832	ug/l	100
5) Bromomethane	1.593	94	31886	50.345	ug/l	100
6) Chloroethane	1.666	64	43657	55.583	ug/l	100
7) Trichlorofluoromethane	1.873	101	131729	49.215	ug/l	100
8) Diethyl Ether	2.129	74	48023	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	80068	49.511	ug/l	100
10) Methyl Iodide	2.446	142	108383	51.712	ug/l	100
11) Tert butyl alcohol	2.983	59	87254	251.049	ug/l	100
12) 1,1-Dichloroethene	2.312	96	80672	48.904	ug/l	100
13) Acrolein	2.233	56	90518	252.426	ug/l	100
14) Allyl chloride	2.660	41	148044	49.658	ug/l	100
15) Acrylonitrile	3.062	53	242268	261.074	ug/l	100
16) Acetone	2.379	43	187739	249.274	ug/l	100
17) Carbon Disulfide	2.501	76	225511	49.853	ug/l	100
18) Methyl Acetate	2.702	43	121039	50.928	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	261852	49.890	ug/l	100
20) Methylene Chloride	2.782	84	90038	48.808	ug/l	100
21) trans-1,2-Dichloroethene	3.086	96	81950	50.475	ug/l	100
22) Diisopropyl ether	3.757	45	287347	50.946	ug/l	100
23) Vinyl Acetate	3.714	43	1190152	258.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	157003	49.749	ug/l	100
25) 2-Butanone	4.556	43	323510	264.528	ug/l	100
26) 2,2-Dichloropropane	4.470	77	121901	48.707	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	96965	49.721	ug/l	100
28) Bromochloromethane	4.891	49	74707	49.258	ug/l	100
29) Tetrahydrofuran	5.001	42	210414	259.105	ug/l	100
30) Chloroform	5.086	83	149581	48.874	ug/l	100
31) Cyclohexane	5.464	56	143500	49.322	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	128561	49.523	ug/l	100
36) 1,1-Dichloropropene	5.690	75	108206	49.353	ug/l	100
37) Ethyl Acetate	4.708	43	123238	50.535	ug/l	100
38) Carbon Tetrachloride	5.671	117	105873	49.277	ug/l	100
39) Methylcyclohexane	7.372	83	145338	51.274	ug/l	100
40) Benzene	6.031	78	343557	50.182	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	70572	54.065	ug/l		100
42) 1,2-Dichloroethane	6.080	62	110347	50.573	ug/l		100
43) Isopropyl Acetate	6.336	43	204703	51.981	ug/l		100
44) Trichloroethene	7.122	130	78274	50.020	ug/l		100
45) 1,2-Dichloropropane	7.427	63	85733	50.335	ug/l		100
46) Dibromomethane	7.573	93	59625	50.479	ug/l		100
47) Bromodichloromethane	7.817	83	116892	51.108	ug/l		100
48) Methyl methacrylate	7.689	41	98519	53.057	ug/l		100
49) 1,4-Dioxane	7.659	88	42094	1056.618	ug/l		100
51) 4-Methyl-2-Pentanone	8.573	43	647283	270.364	ug/l		100
52) Toluene	8.714	92	210007	51.507	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	120125	51.902	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	134763	52.223	ug/l		100
55) 1,1,2-Trichloroethane	9.146	97	79741	50.876	ug/l		100
56) Ethyl methacrylate	9.116	69	134975	53.319	ug/l		100
57) 1,3-Dichloropropane	9.305	76	141335	51.537	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	336412	270.652	ug/l		100
59) 2-Hexanone	9.427	43	472301	273.800	ug/l		100
60) Dibromochloromethane	9.518	129	87240	52.045	ug/l		100
61) 1,2-Dibromoethane	9.604	107	81915	51.564	ug/l		100
64) Tetrachloroethene	9.268	164	63537	49.206	ug/l		100
65) Chlorobenzene	10.079	112	224306	51.005	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	72478	51.203	ug/l		100
67) Ethyl Benzene	10.189	91	396269	51.061	ug/l		100
68) m/p-Xylenes	10.299	106	296507	103.573	ug/l		100
69) o-Xylene	10.640	106	144802	50.409	ug/l		100
70) Styrene	10.652	104	245518	53.051	ug/l		100
71) Bromoform	10.799	173	57417	54.352	ug/l	#	100
73) Isopropylbenzene	10.957	105	374776	50.239	ug/l		100
74) N-amyl acetate	10.841	43	176174	52.189	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	126542	49.364	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	102508m	49.903	ug/l		
77) Bromobenzene	11.195	156	84448	49.931	ug/l		100
78) n-propylbenzene	11.298	91	437572	50.818	ug/l		100
79) 2-Chlorotoluene	11.359	91	263269	49.749	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	307465	50.789	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	40487	50.701	ug/l		100
82) 4-Chlorotoluene	11.451	91	295844	50.531	ug/l		100
83) tert-Butylbenzene	11.713	119	306830	50.102	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	311205	52.085	ug/l		100
85) sec-Butylbenzene	11.890	105	384155	50.657	ug/l		100
86) p-Isopropyltoluene	12.006	119	315226	51.689	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	155575	50.021	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	156162	49.657	ug/l		100
89) n-Butylbenzene	12.329	91	287649	53.315	ug/l		100
90) Hexachloroethane	12.536	117	56951	49.874	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	154364	50.500	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23924	51.135	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	93863	50.747	ug/l		100
94) Hexachlorobutadiene	13.725	225	35481	48.321	ug/l		100
95) Naphthalene	13.774	128	347645	51.995	ug/l		100
96) 1,2,3-Trichlorobenzene	13.956	180	95510	51.245	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
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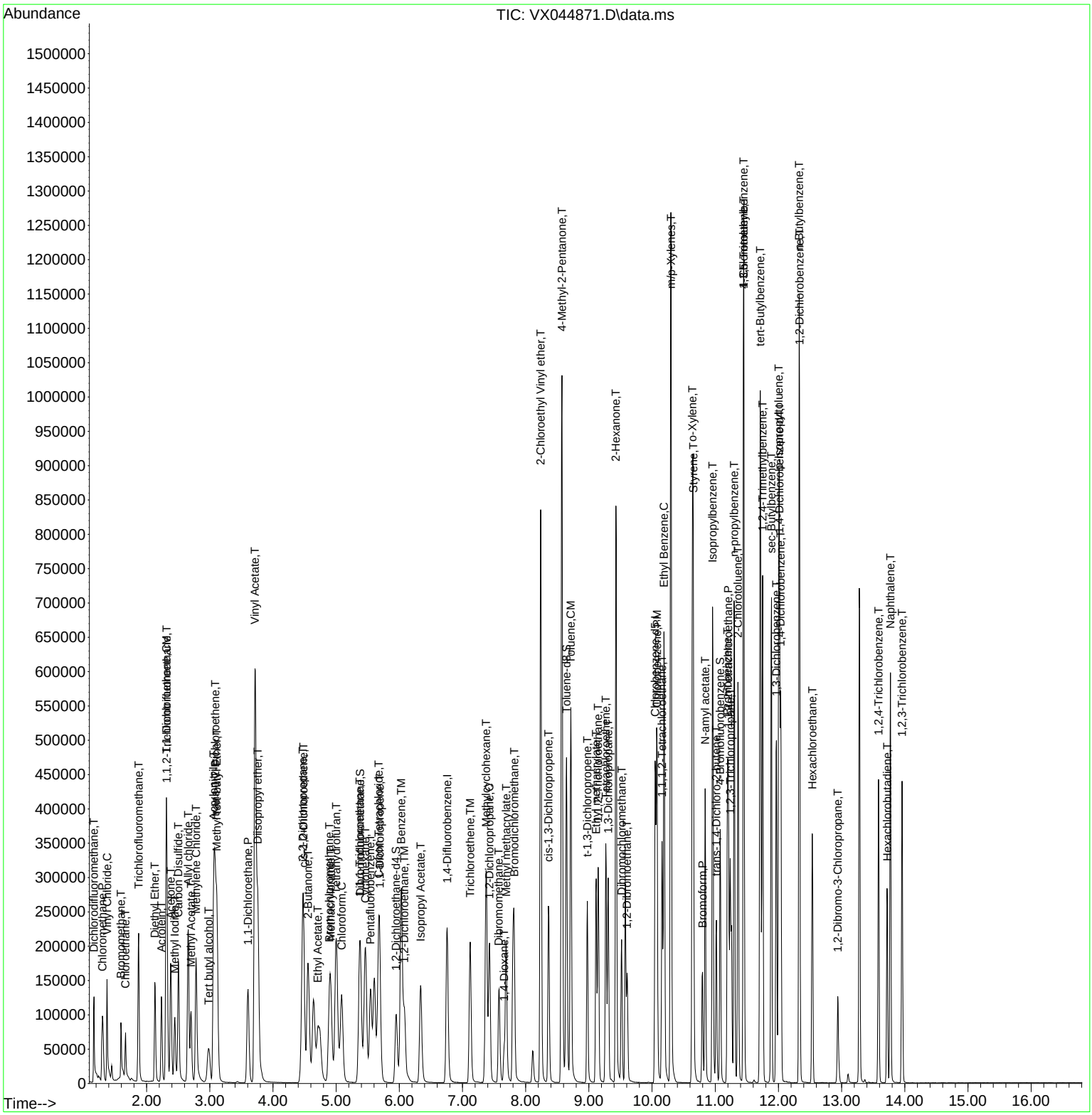
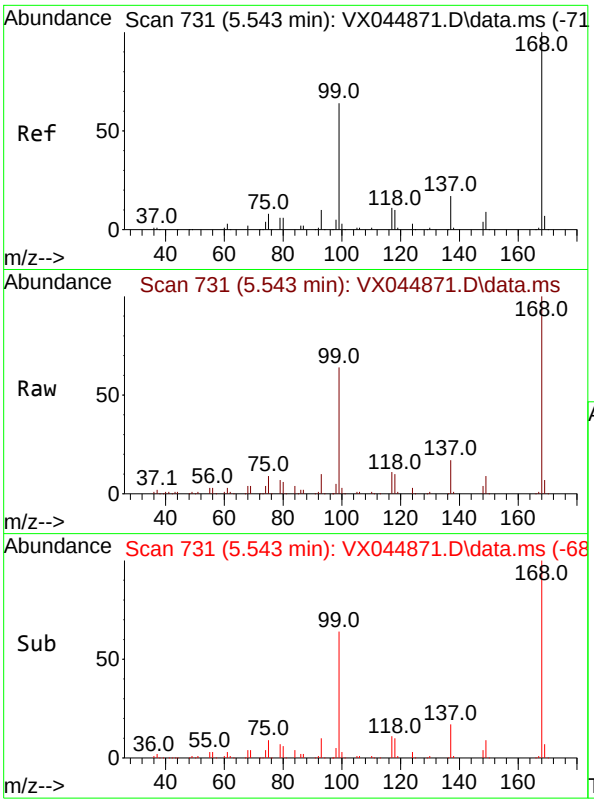
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

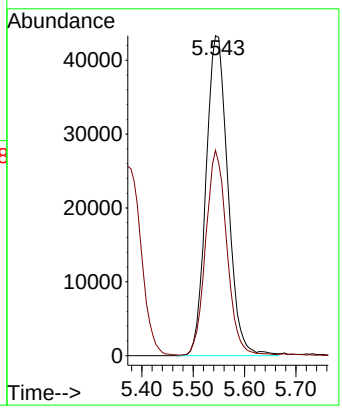




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:168 Resp: 12798

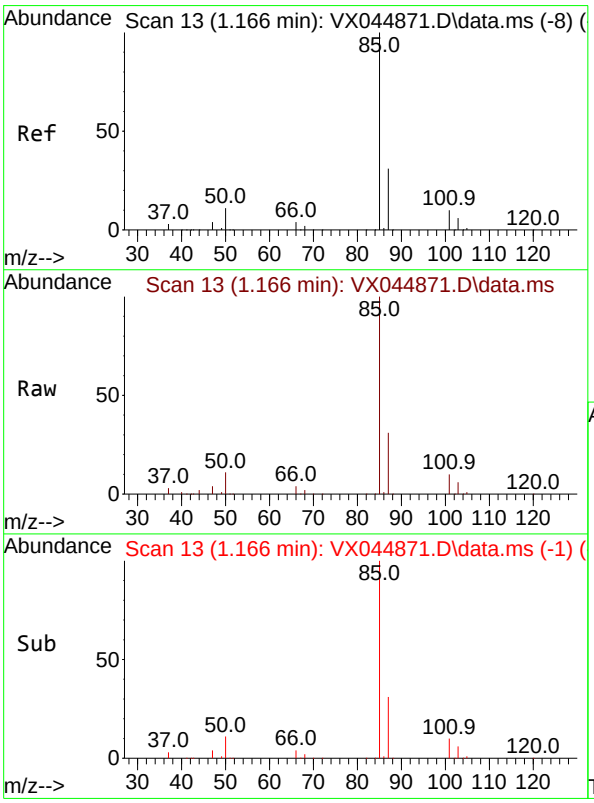
Ion	Ratio	Lower	Upper
168	100		
99	64.0	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

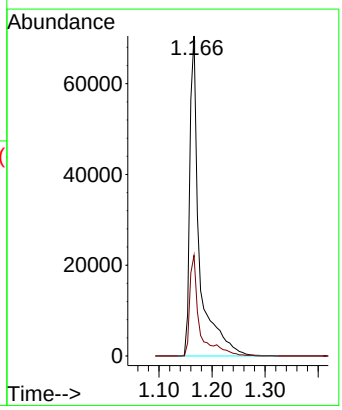
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

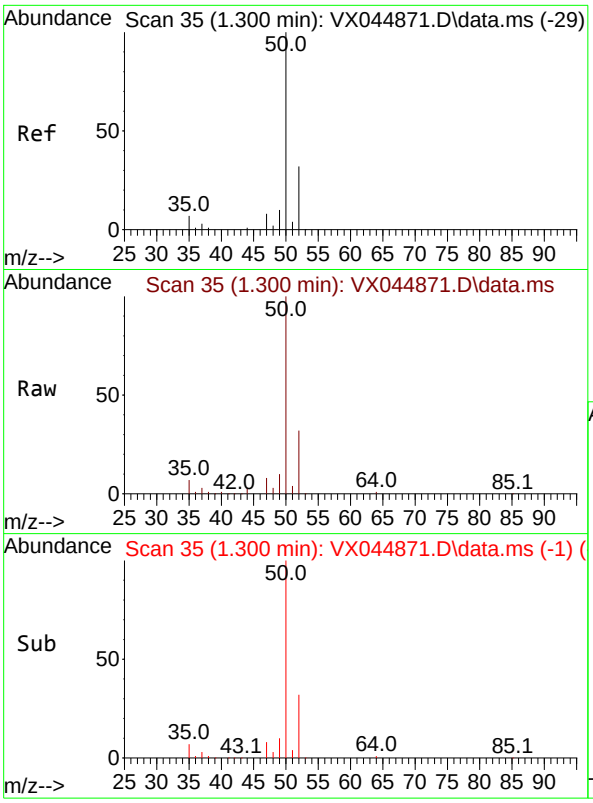


#2
Dichlorodifluoromethane
Concen: 49.905 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 85 Resp: 89581

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3

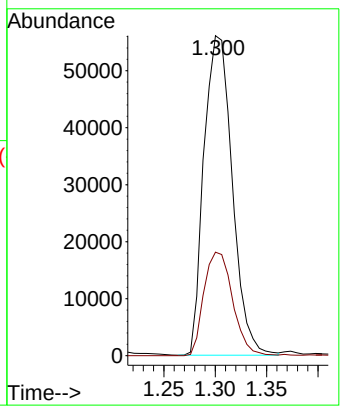




#3
Chloromethane
Concen: 49.359 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 50 Resp: 10783

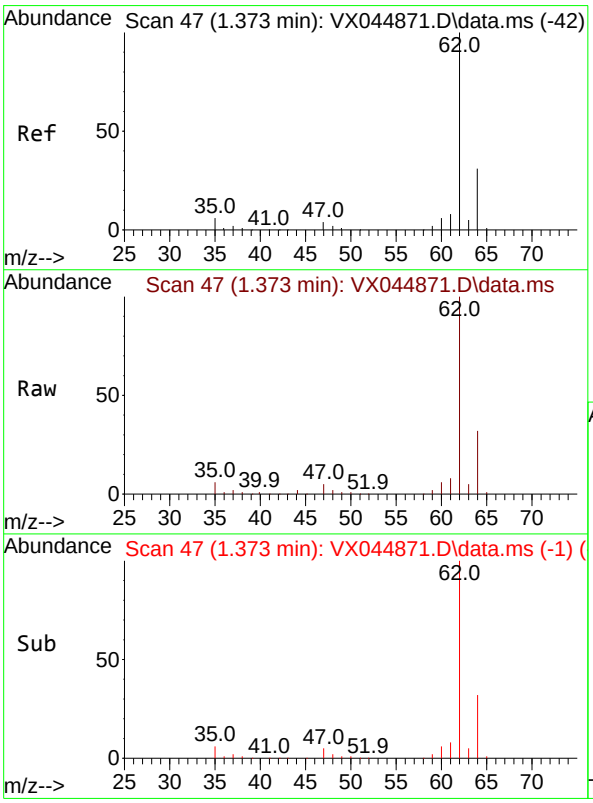
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

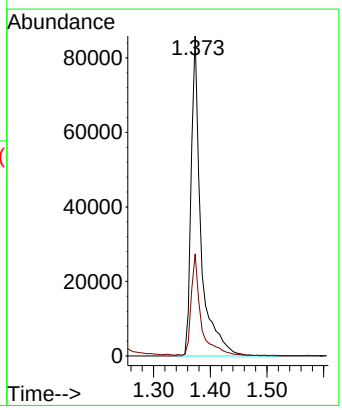
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

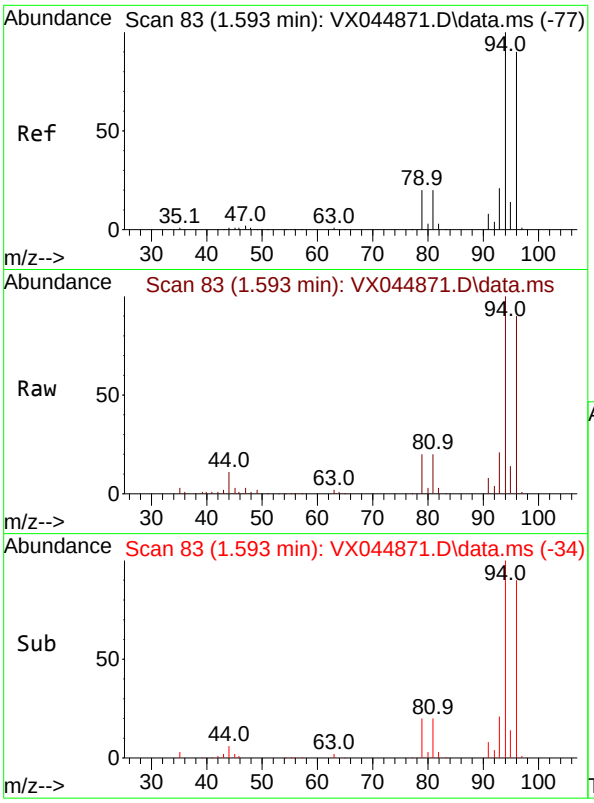


#4
Vinyl Chloride
Concen: 48.832 ug/l
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 103354

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0

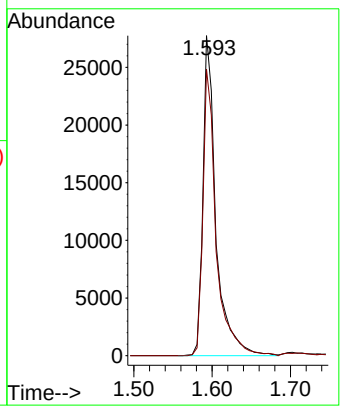




#5
Bromomethane
Concen: 50.345 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 94 Resp: 3188

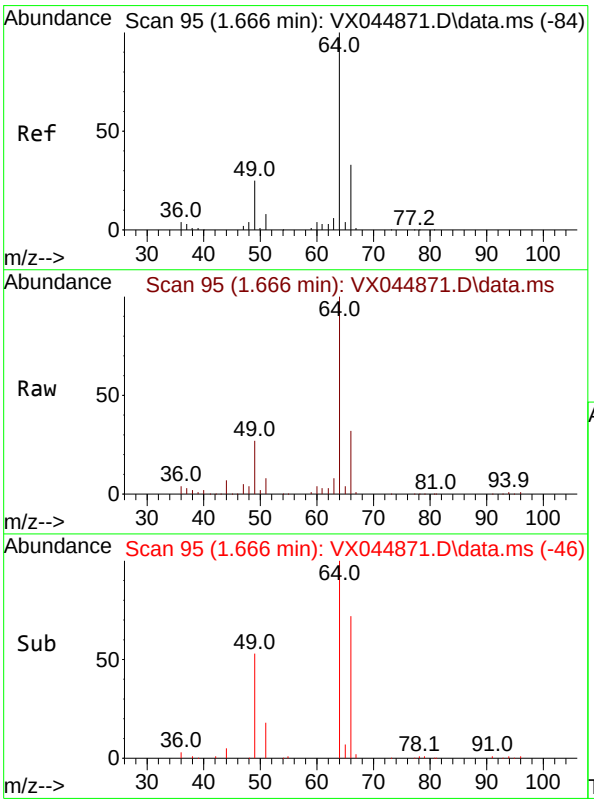
Ion	Ratio	Lower	Upper
94	100		
96	89.5	71.6	107.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

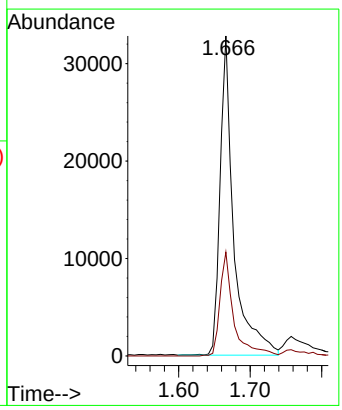
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

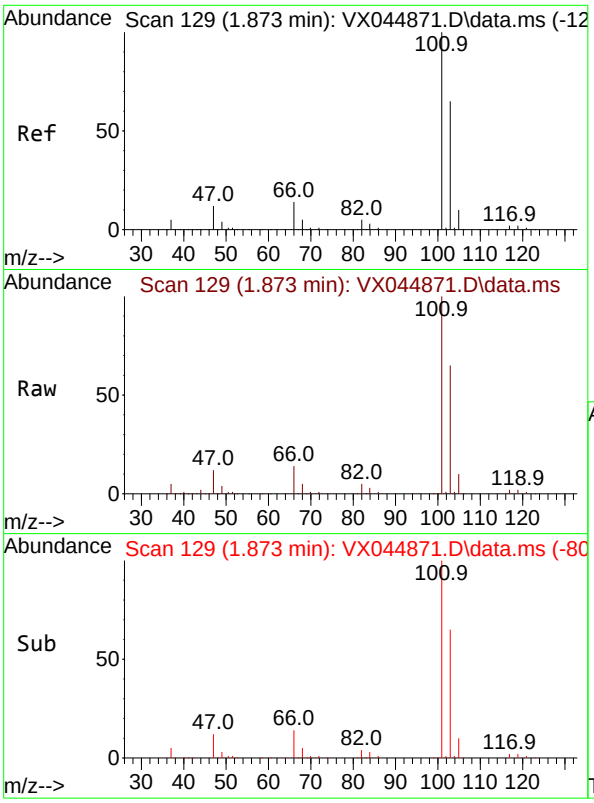


#6
Chloroethane
Concen: 55.583 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 64 Resp: 43657

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.9	38.9

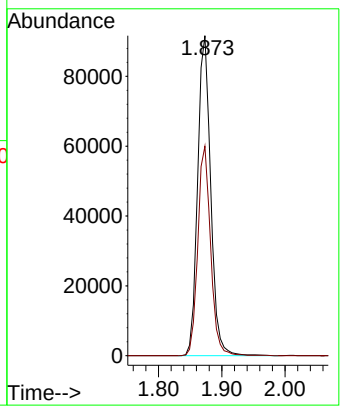




#7
Trichlorofluoromethane
Concen: 49.215 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:101 Resp: 13172

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.4	78.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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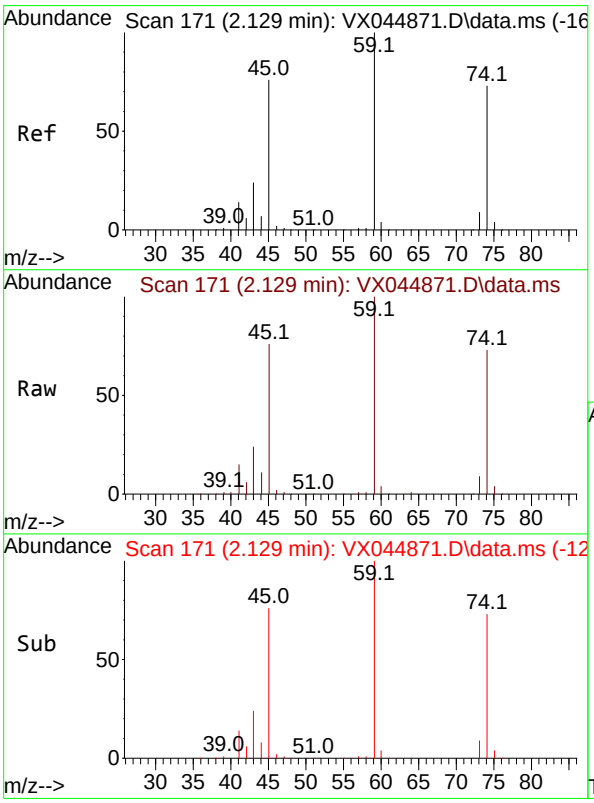
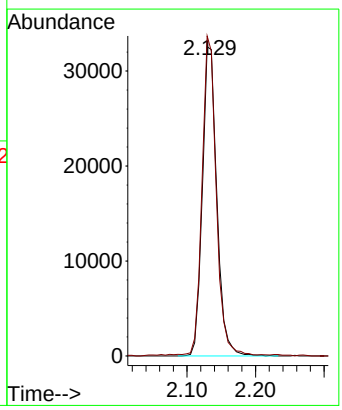
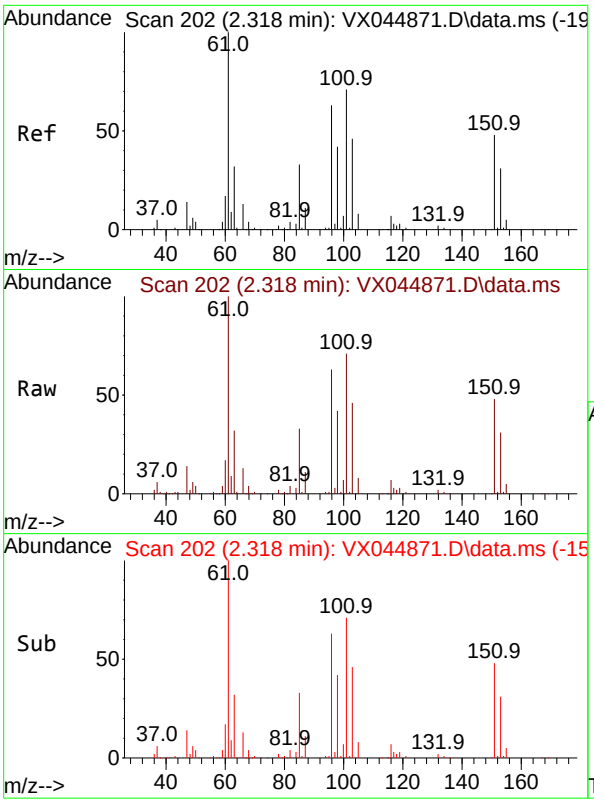


#8
Diethyl Ether
Concen: 49.473 ug/l
RT: 2.129 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 74 Resp: 48023

Ion	Ratio	Lower	Upper
74	100		
45	102.3	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.511 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:101 Resp: 8006

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.7	53.5
151	70.0	56.0	84.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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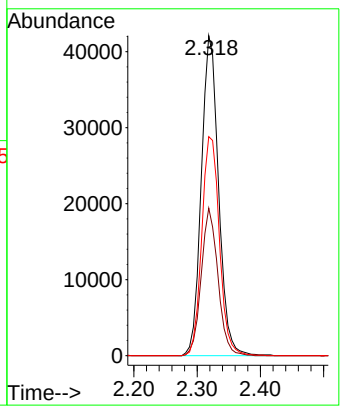
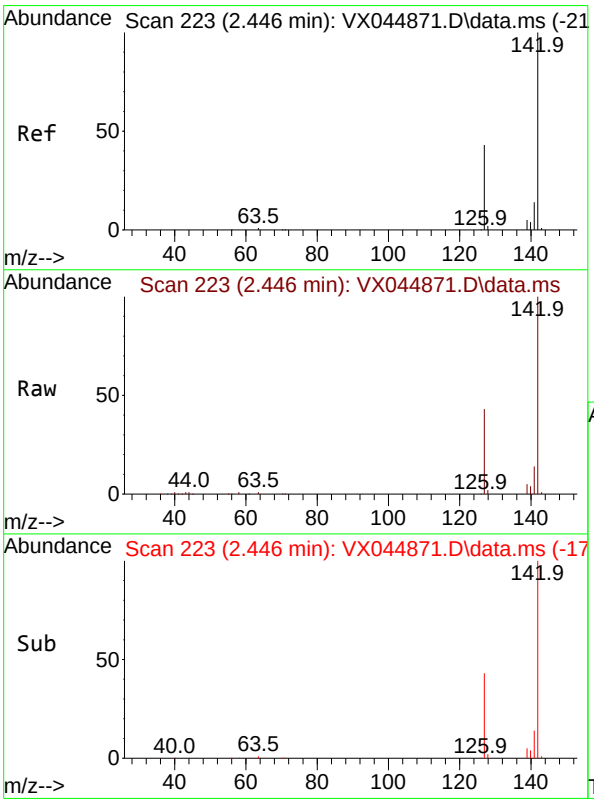
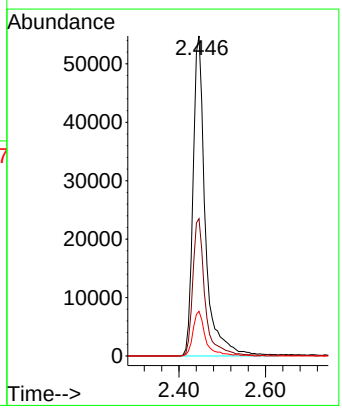


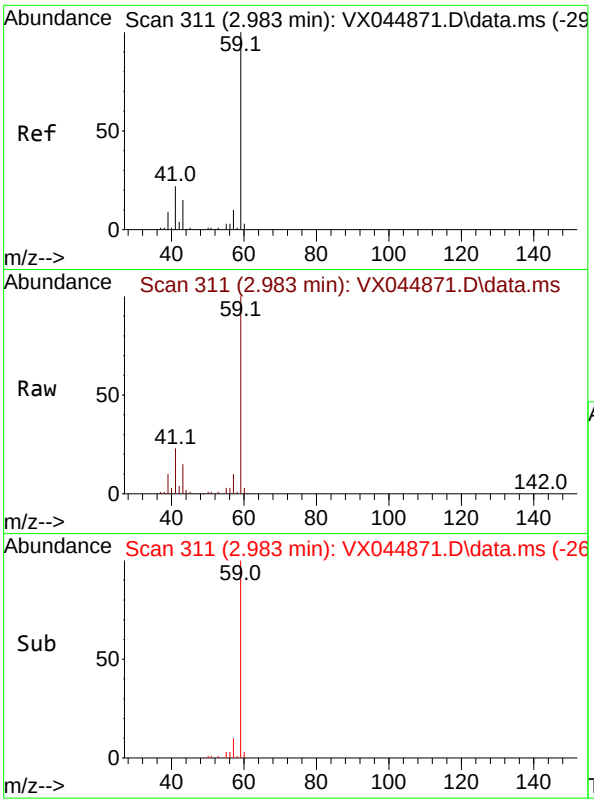


#10
Methyl Iodide
Concen: 51.712 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:142 Resp: 108383

Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.3	51.5
141	14.3	11.4	17.2

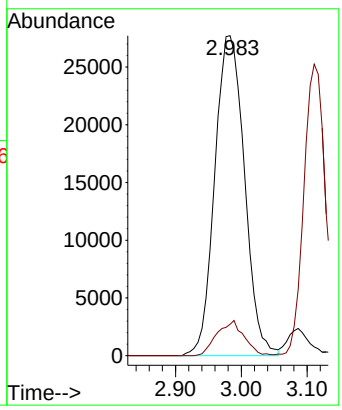




#11
Tert butyl alcohol
Concen: 251.049 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 59 Resp: 8725

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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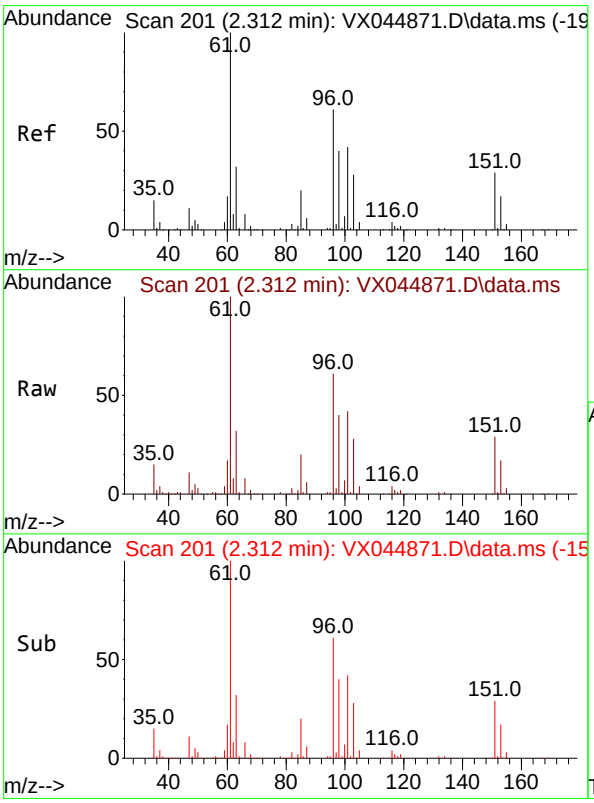
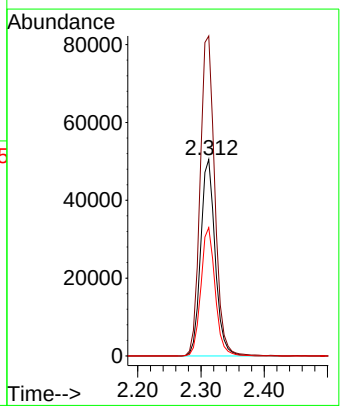
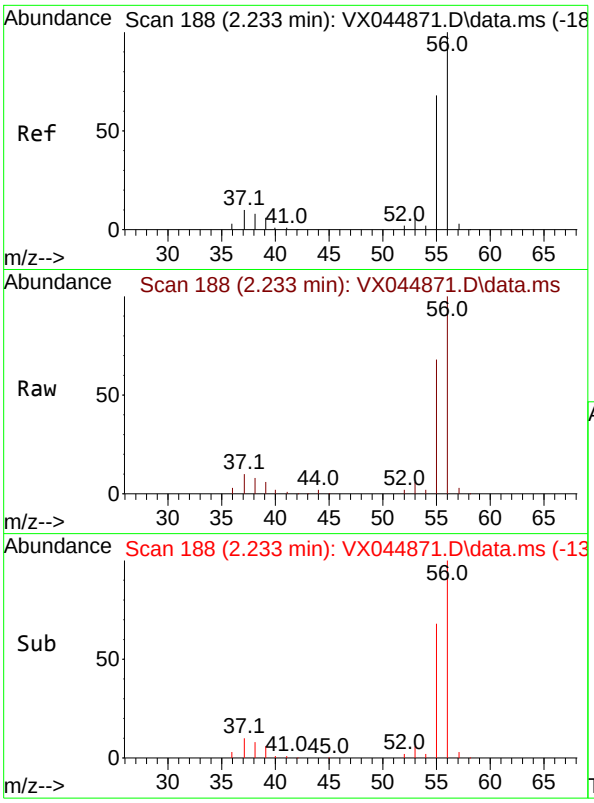


#12
1,1-Dichloroethene
Concen: 48.904 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 96 Resp: 80672

Ion	Ratio	Lower	Upper
96	100		
61	162.8	130.2	195.4
98	65.3	52.2	78.4

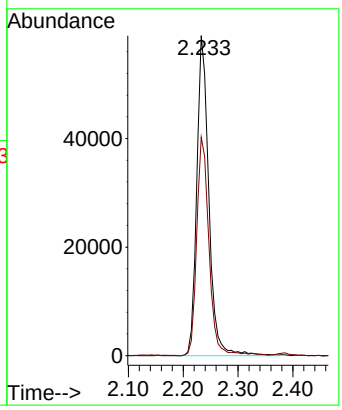




#13
Acrolein
Concen: 252.426 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 56 Resp: 9051

Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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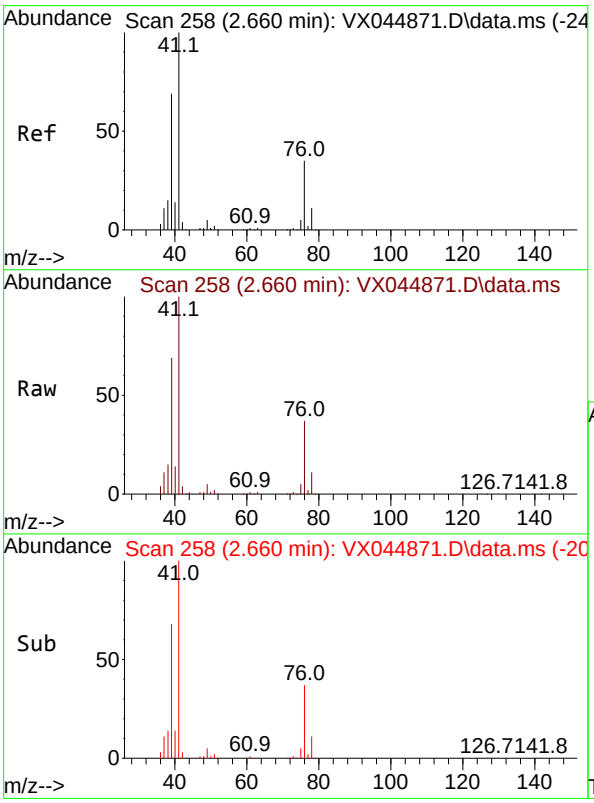
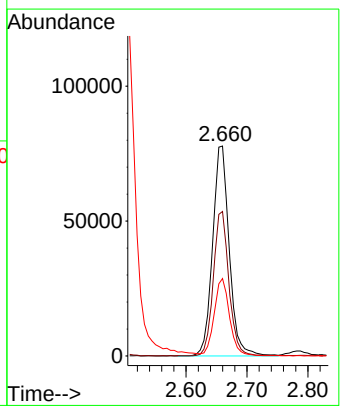
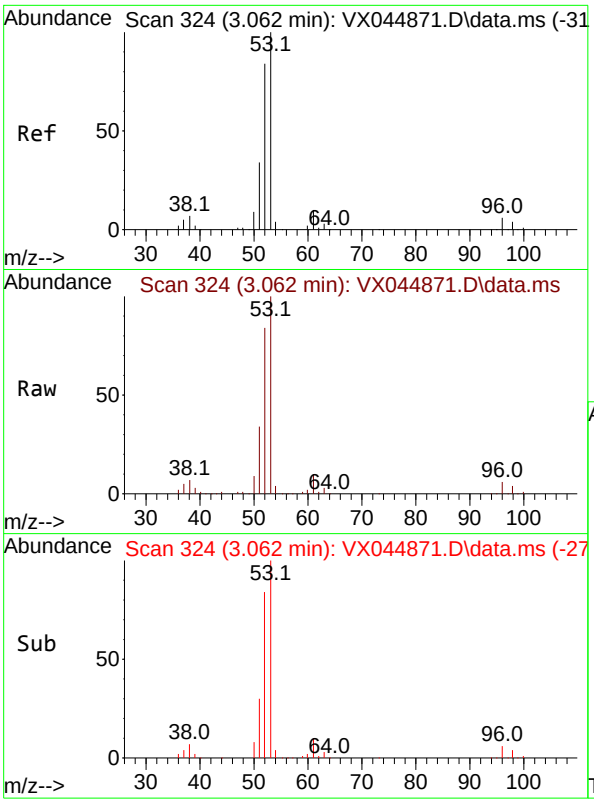


#14
Allyl chloride
Concen: 49.658 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 148044

Ion	Ratio	Lower	Upper
41	100		
39	64.3	51.4	77.2
76	33.7	27.0	40.4

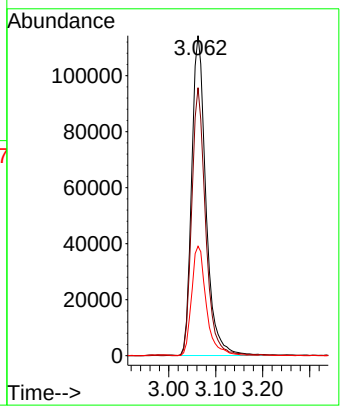




#15
Acrylonitrile
Concen: 261.074 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 53 Resp: 24226

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	35.0	28.0	42.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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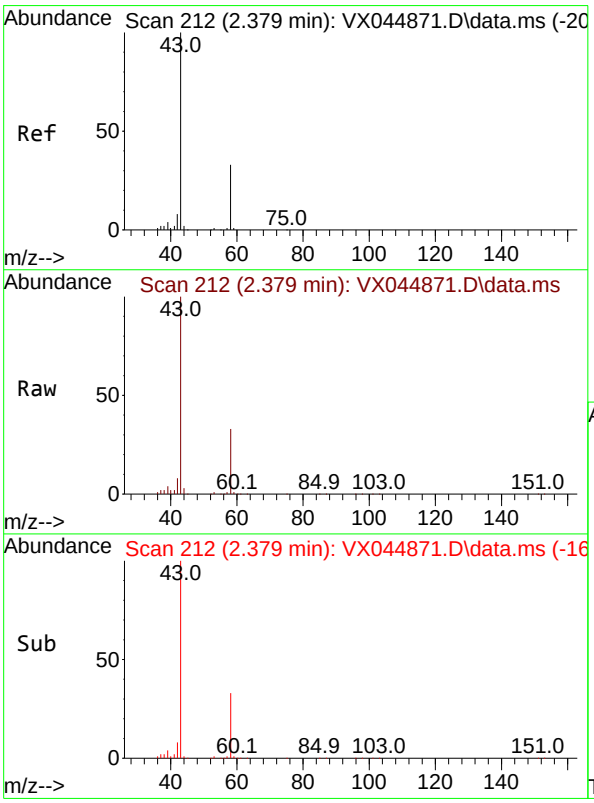
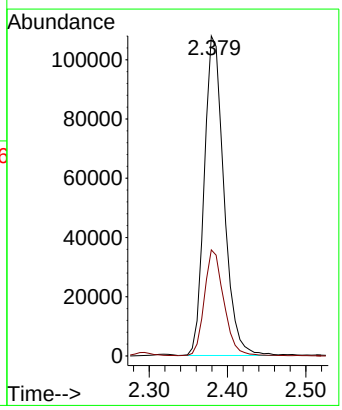
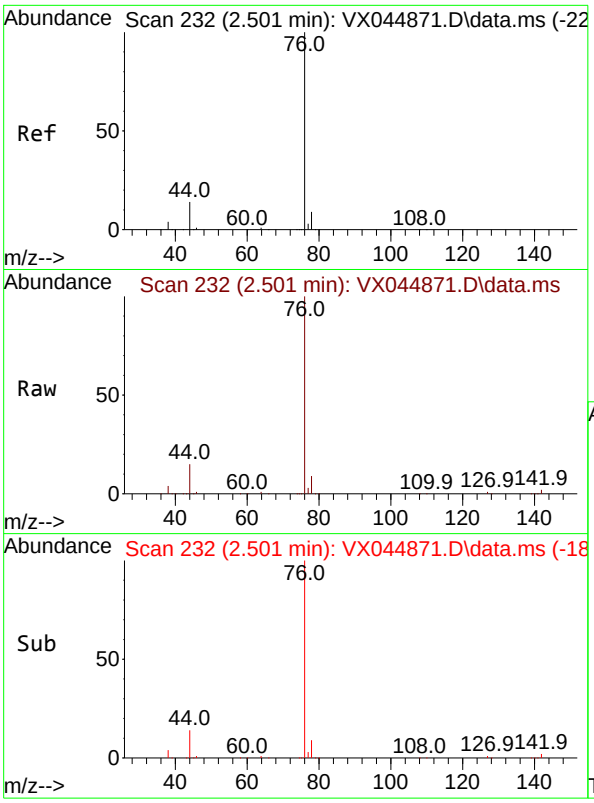


#16
Acetone
Concen: 249.274 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 187739

Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.5	39.7





#17
Carbon Disulfide
Concen: 49.853 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 76 Resp: 22551

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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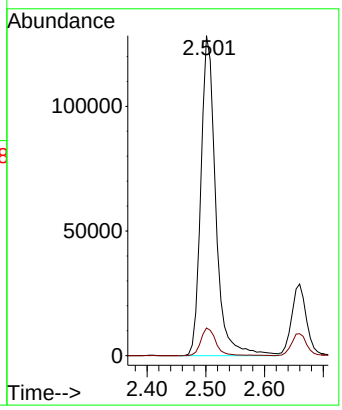
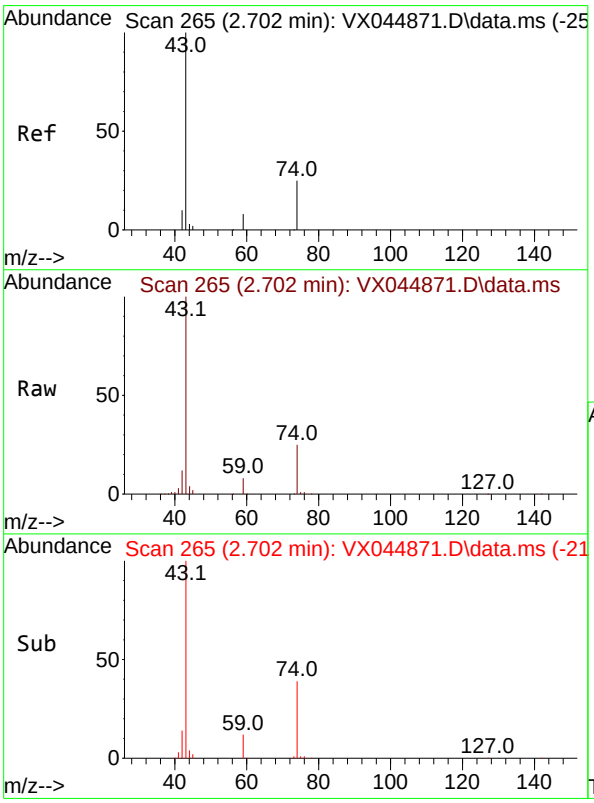
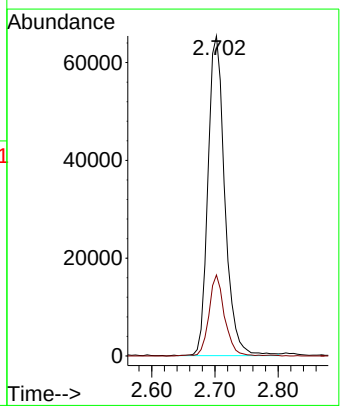


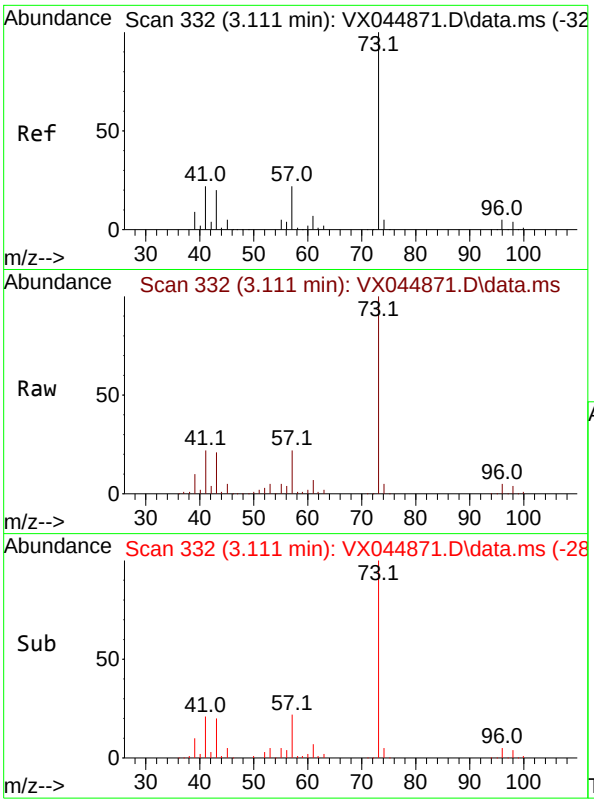


#18
Methyl Acetate
Concen: 50.928 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 121039

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.9	28.3

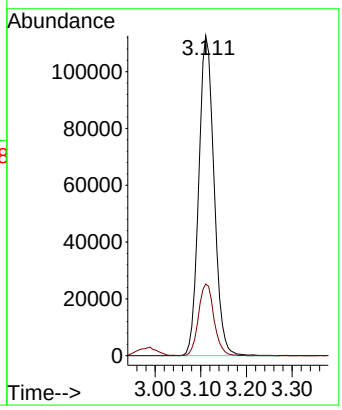




#19
Methyl tert-butyl Ether
Concen: 49.890 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 73 Resp: 26185

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9



Instrument :
MSVOA_X
ClientSampleId :
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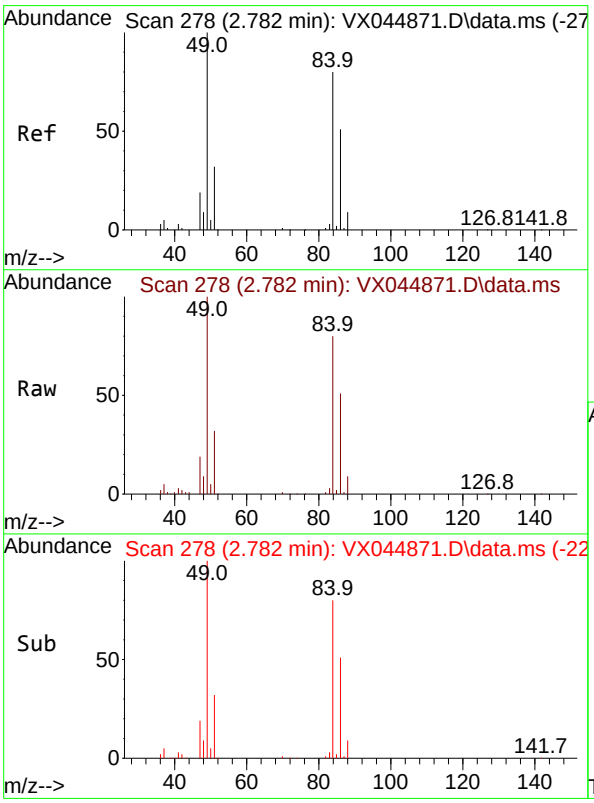
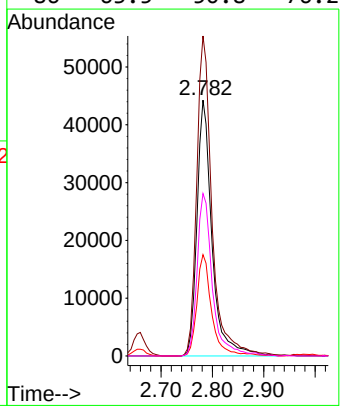
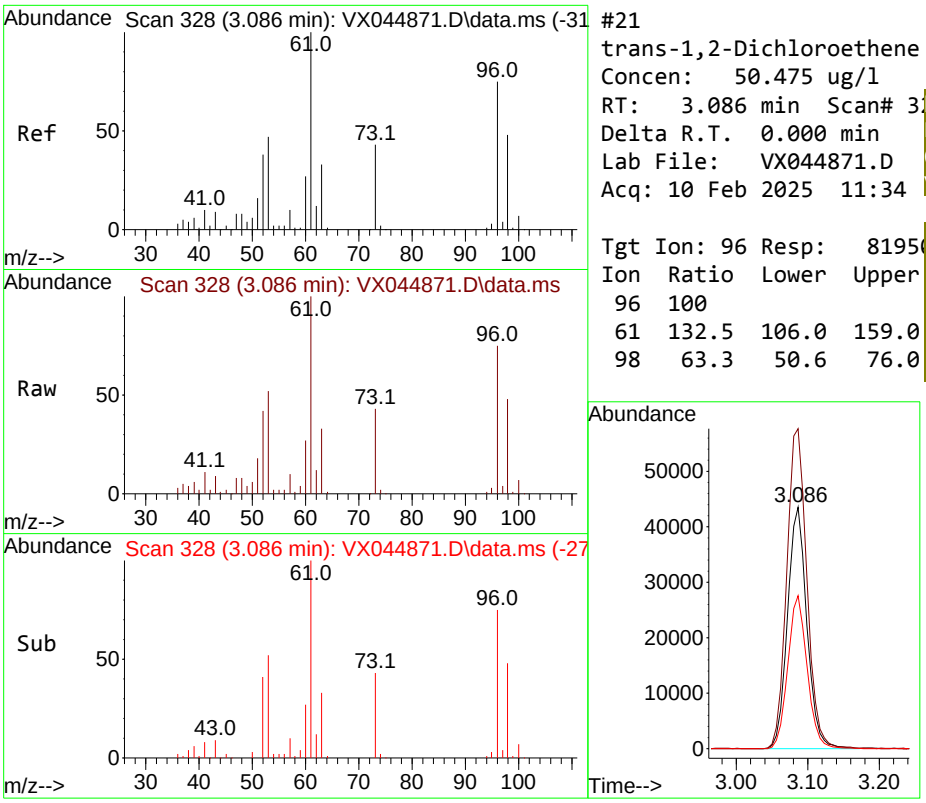


#20
Methylene Chloride
Concen: 48.808 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 84 Resp: 90038

Ion	Ratio	Lower	Upper
84	100		
49	125.1	100.1	150.1
51	39.6	31.7	47.5
86	63.5	50.8	76.2





#21
trans-1,2-Dichloroethene
Concen: 50.475 ug/l
RT: 3.086 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 96 Resp: 8195

Ion	Ratio	Lower	Upper
96	100		
61	132.5	106.0	159.0
98	63.3	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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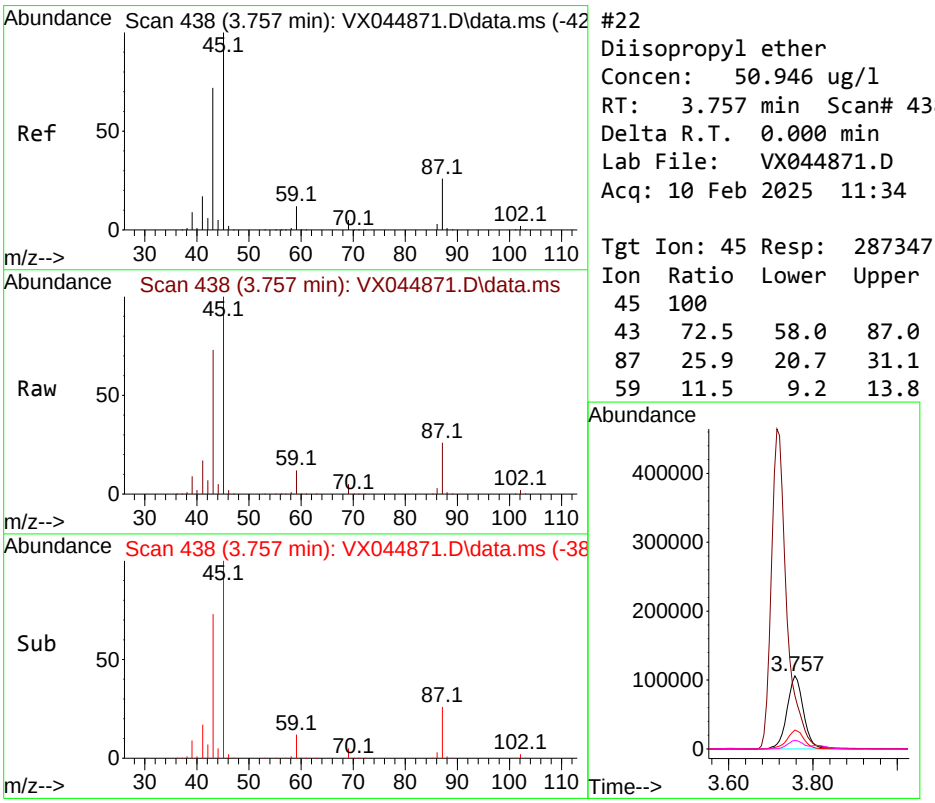
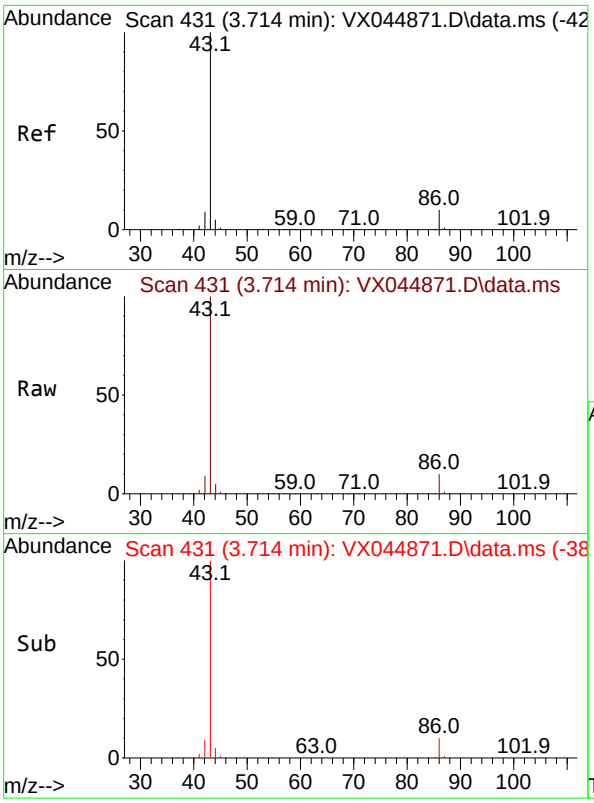


#22
Diisopropyl ether
Concen: 50.946 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 45 Resp: 287347

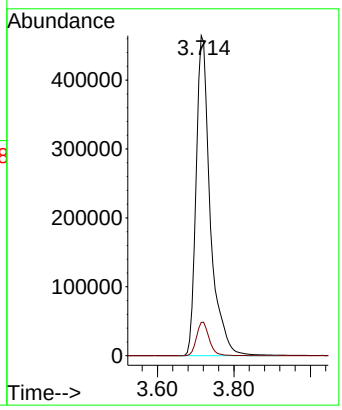
Ion	Ratio	Lower	Upper
45	100		
43	72.5	58.0	87.0
87	25.9	20.7	31.1
59	11.5	9.2	13.8



#23
Vinyl Acetate
Concen: 258.830 ug/l
RT: 3.714 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 119015

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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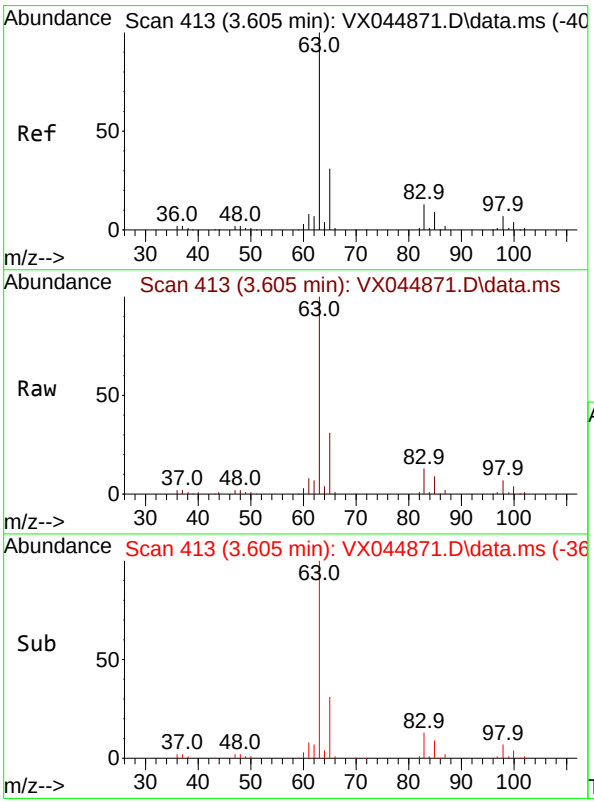
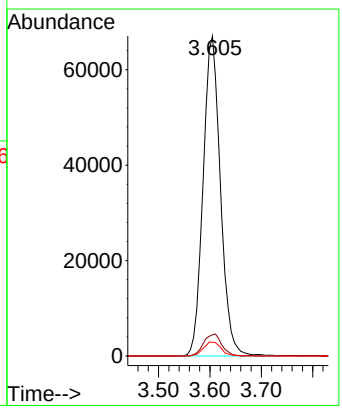
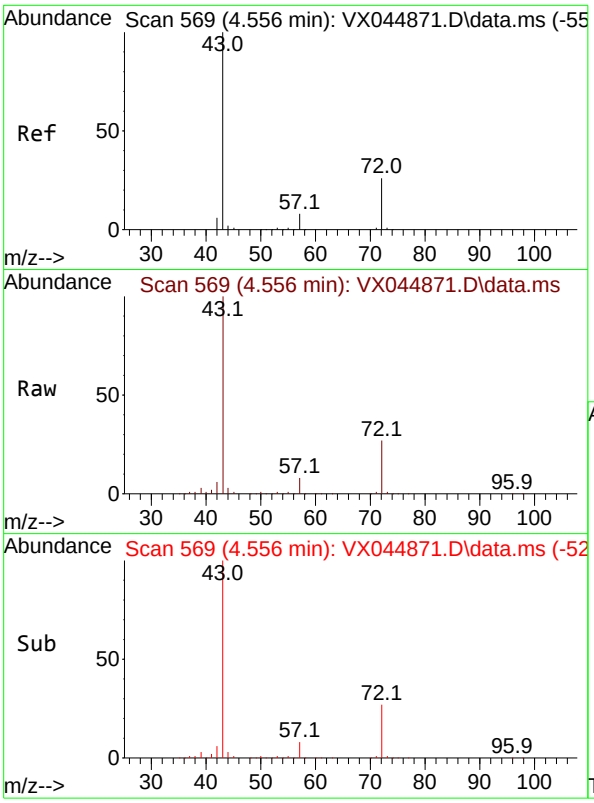


#24
1,1-Dichloroethane
Concen: 49.749 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 157003

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	4.3	2.1	6.5

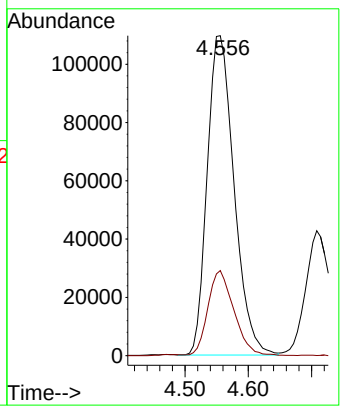




#25
2-Butanone
Concen: 264.528 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 32351

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.2	31.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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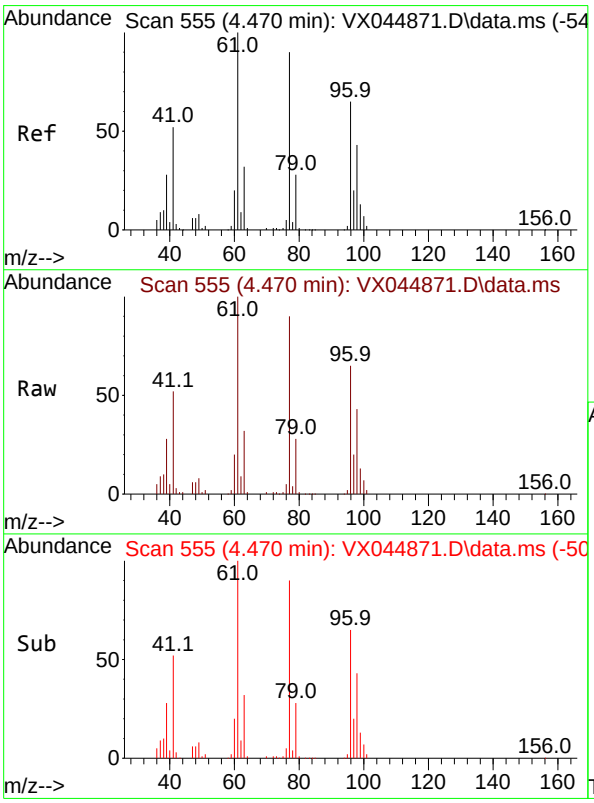
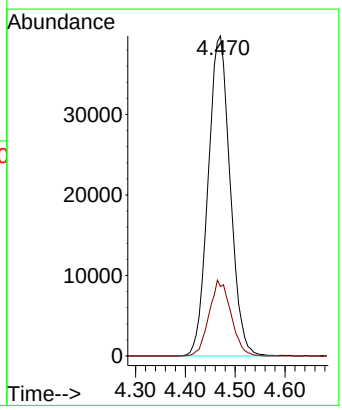
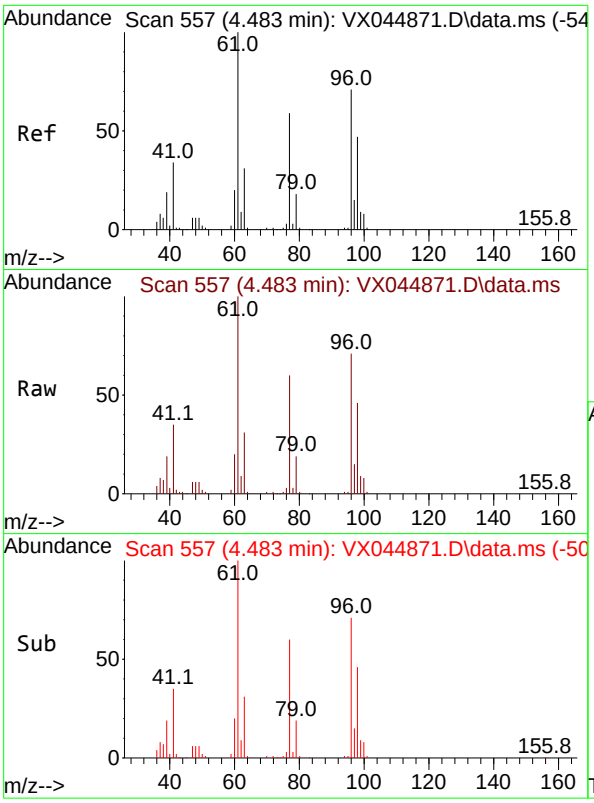


#26
2,2-Dichloropropane
Concen: 48.707 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 77 Resp: 121901

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.8	35.3

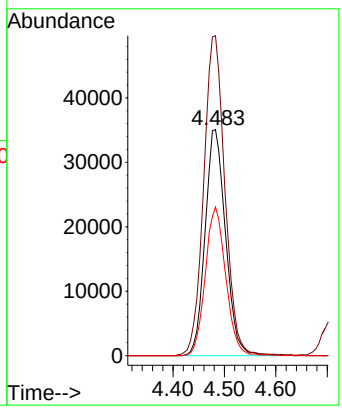




#27
cis-1,2-Dichloroethene
Concen: 49.721 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 96 Resp: 9696

Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	294.0
98	65.6	0.0	131.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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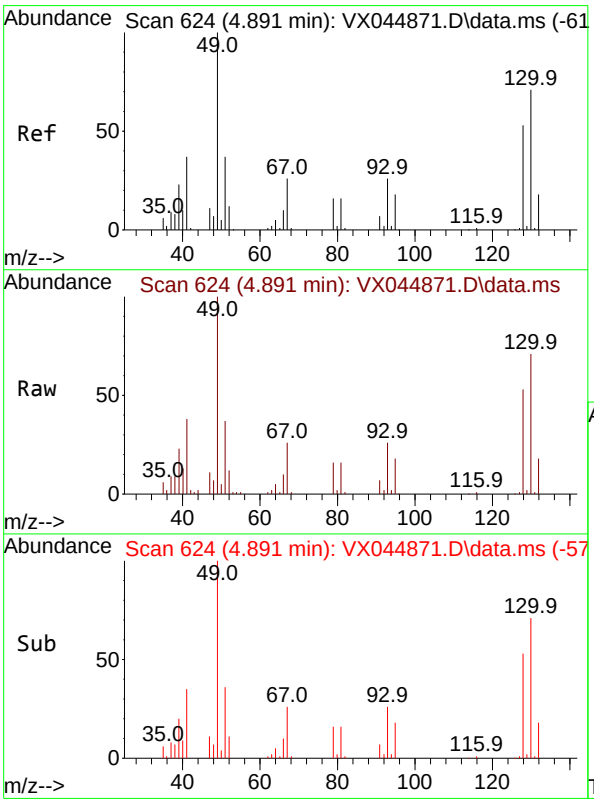
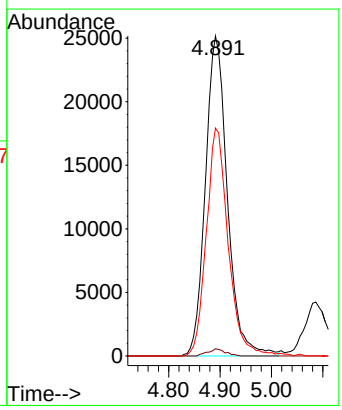
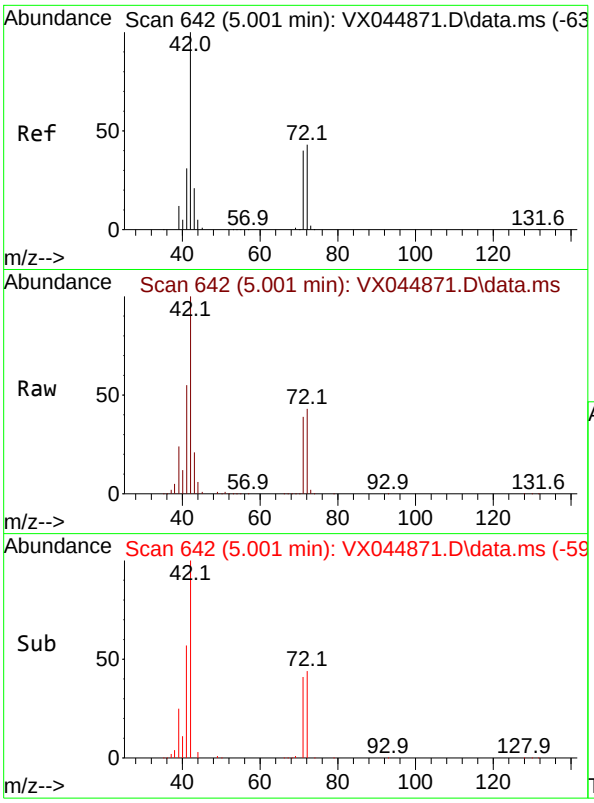


#28
Bromochloromethane
Concen: 49.258 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 49 Resp: 74707

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	70.9	56.7	85.1





#29
Tetrahydrofuran
Concen: 259.105 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 42 Resp: 21041

Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	40.7	32.6	48.8

Instrument :
MSVOA_X
ClientSampleId :
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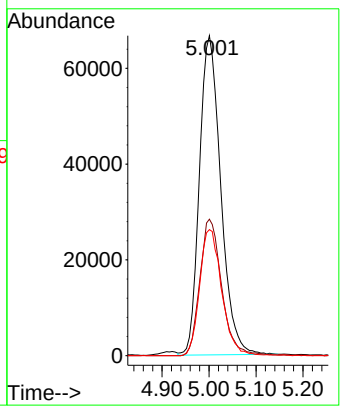
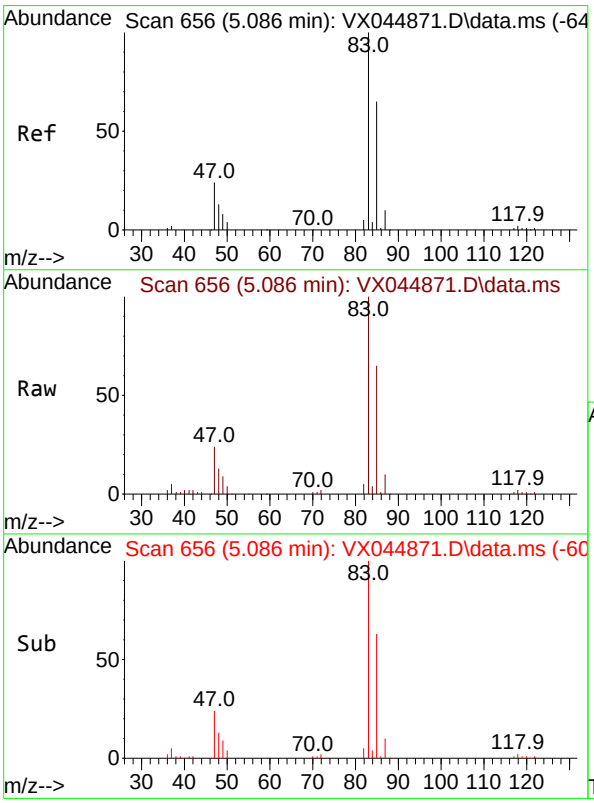
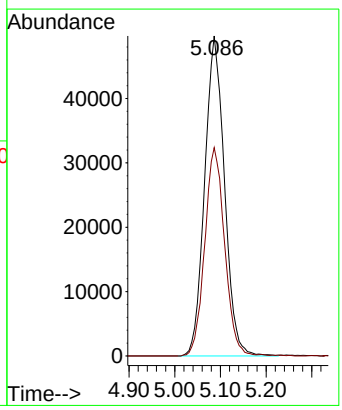


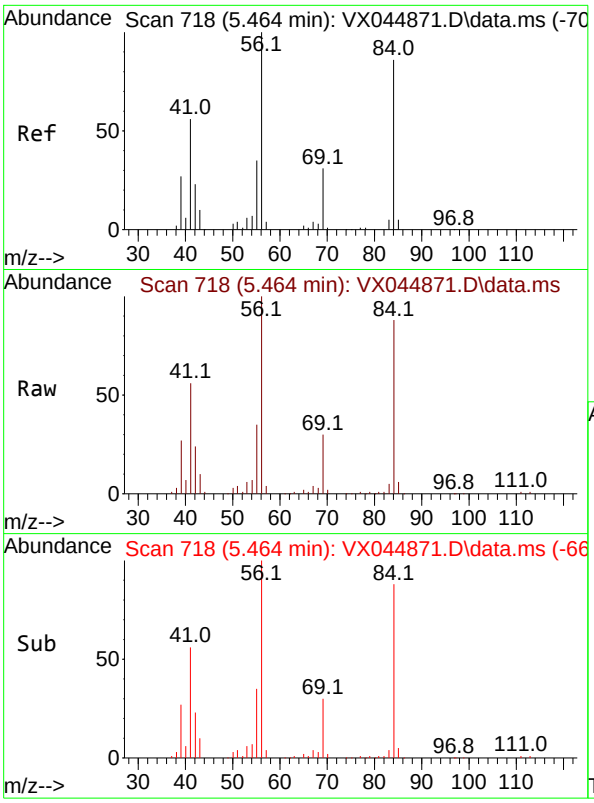


#30
Chloroform
Concen: 48.874 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 83 Resp: 149581

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1

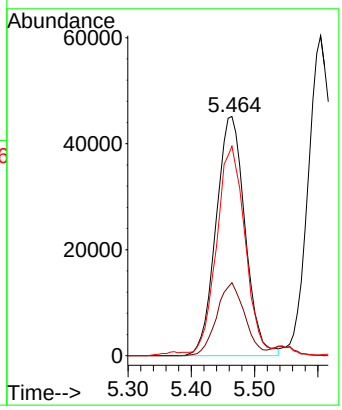




#31
Cyclohexane
Concen: 49.322 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 56 Resp: 14350

Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	86.3	69.0	103.6



Instrument :
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ClientSampleId :
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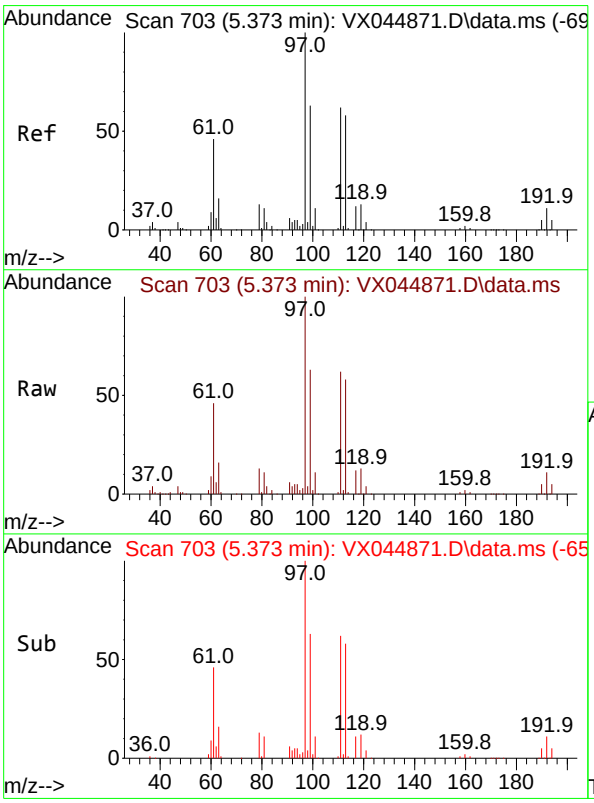
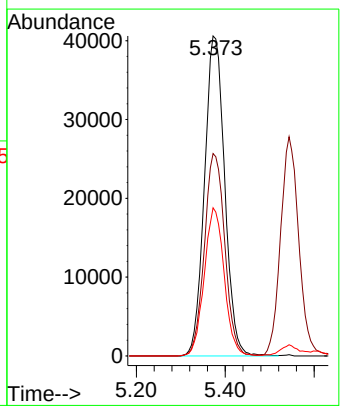
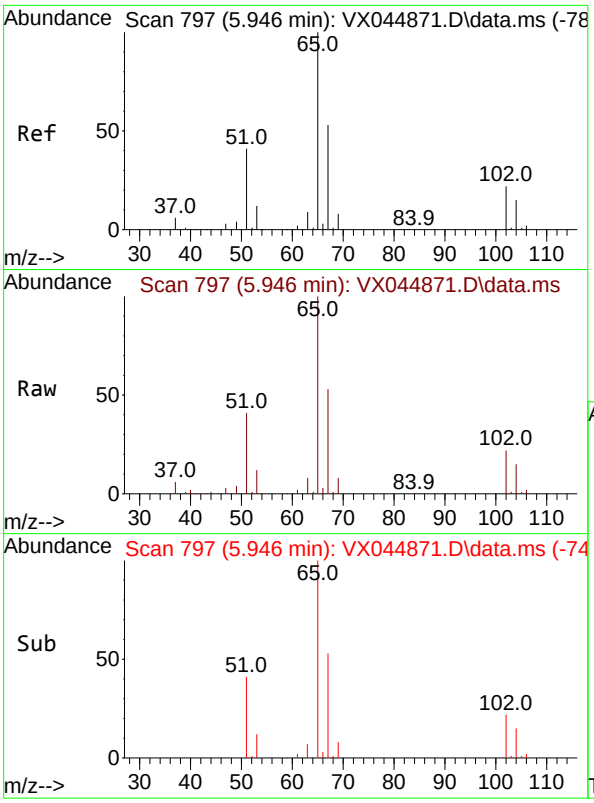


#32
1,1,1-Trichloroethane
Concen: 49.523 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 97 Resp: 128561

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.8	36.6	55.0

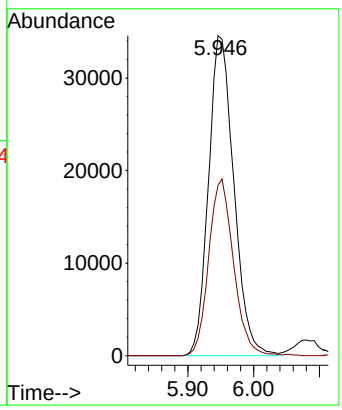




#33
1,2-Dichloroethane-d4
Concen: 49.424 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 65 Resp: 9259

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	108.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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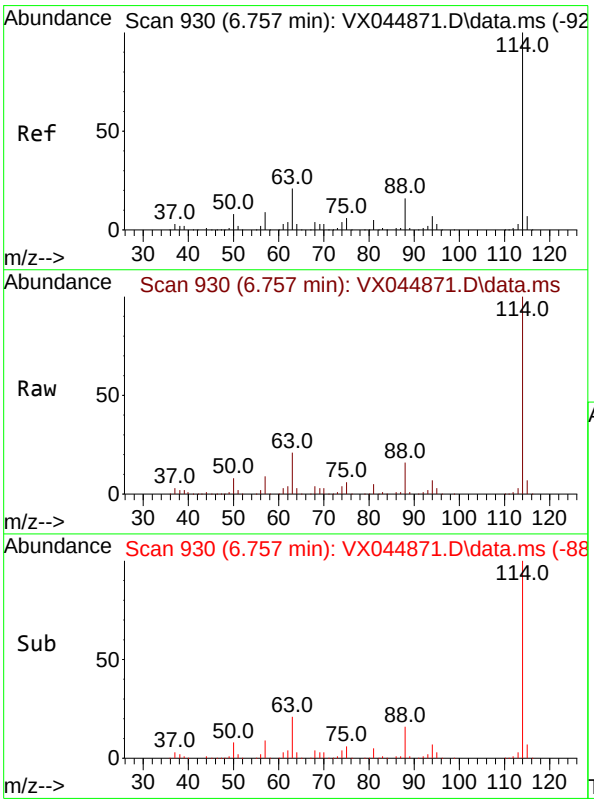
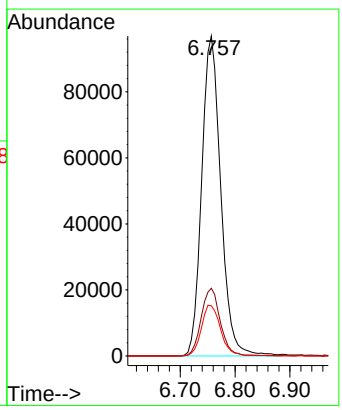
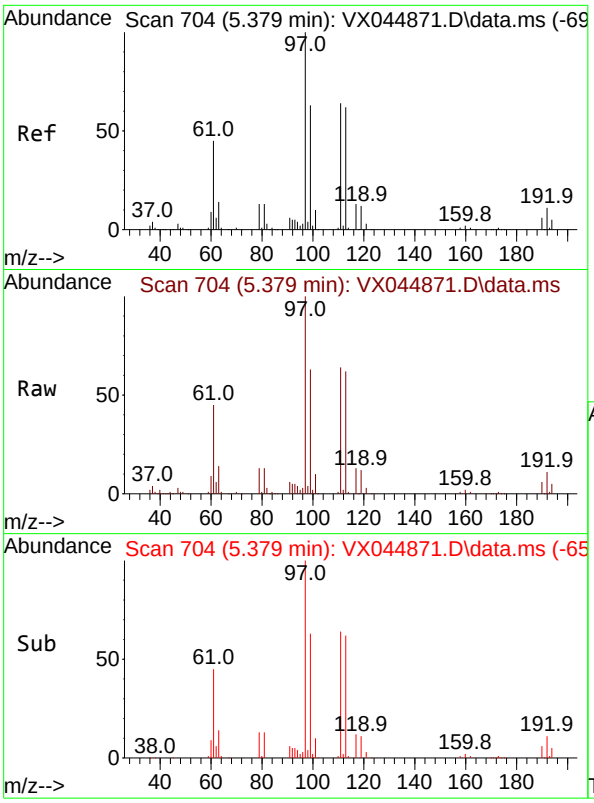


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:114 Resp: 233736

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	15.7	0.0	31.4

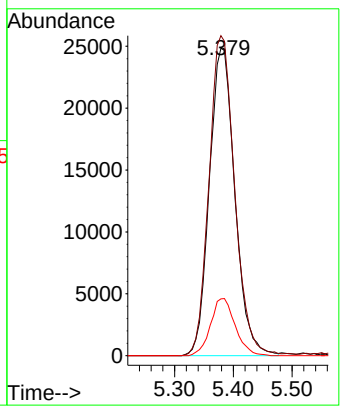




#35
Dibromofluoromethane
Concen: 49.291 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:113 Resp: 7490

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	18.0	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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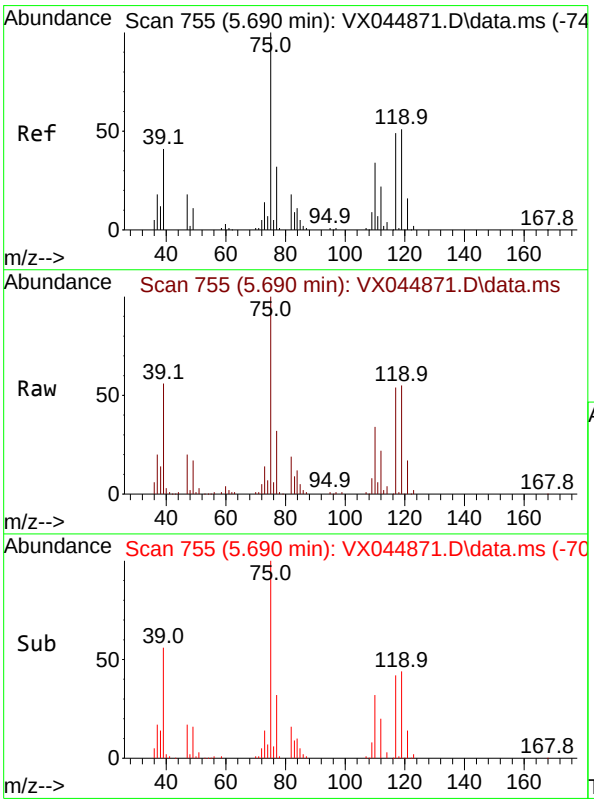
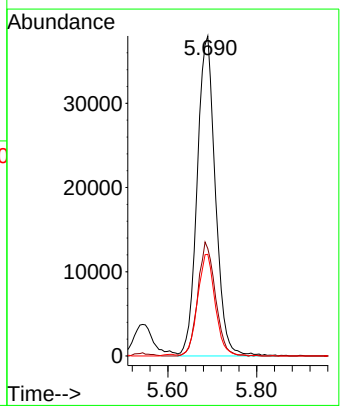
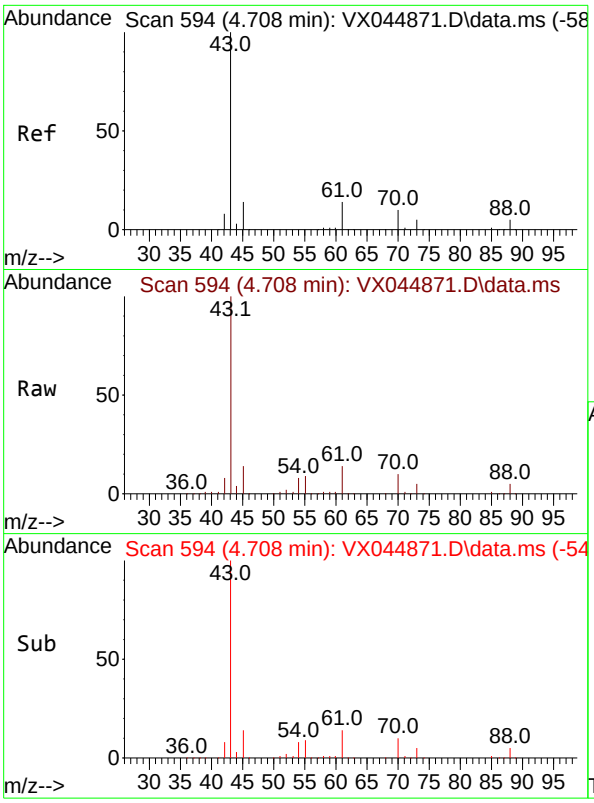


#36
1,1-Dichloropropene
Concen: 49.353 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 108206

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.8	24.6	37.0

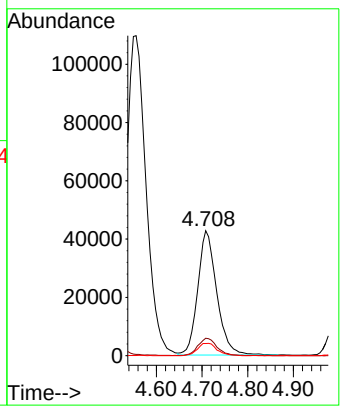




#37
Ethyl Acetate
Concen: 50.535 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 12323

Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.2	8.2	12.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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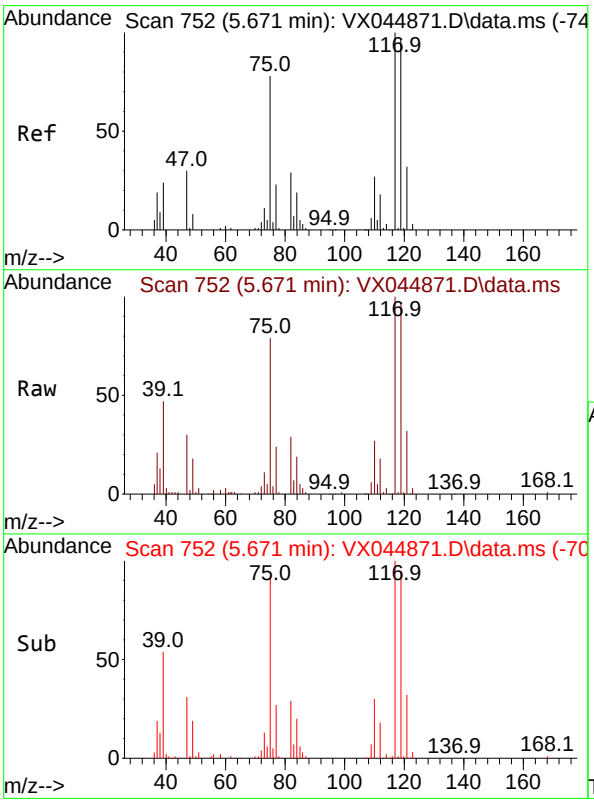
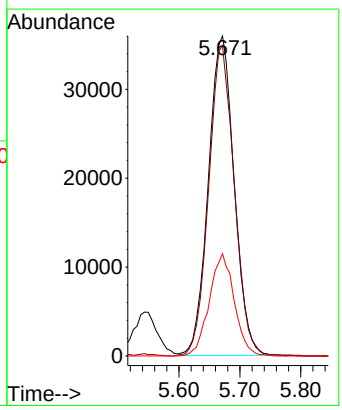
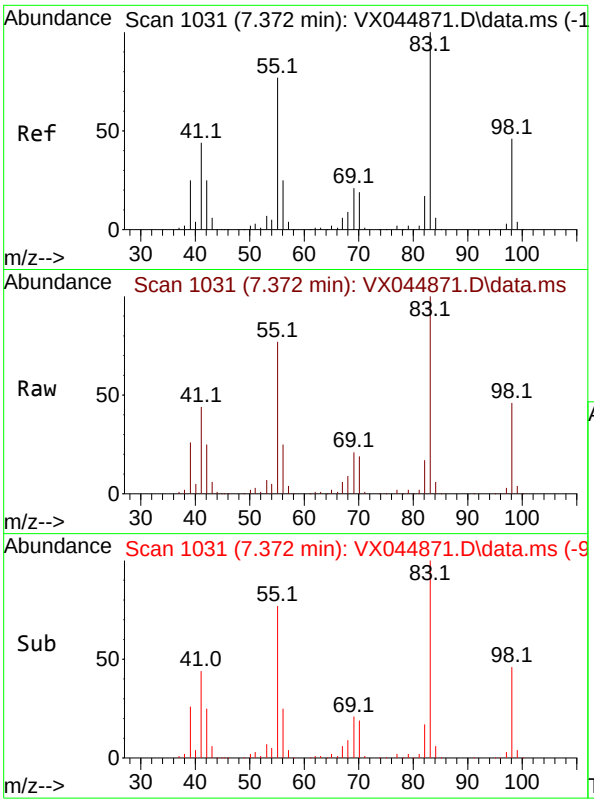


#38
Carbon Tetrachloride
Concen: 49.277 ug/l
RT: 5.671 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:117 Resp: 105873

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
121	32.0	25.6	38.4

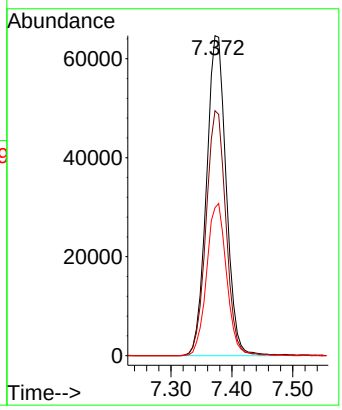




#39
Methylcyclohexane
Concen: 51.274 ug/l
RT: 7.372 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 83 Resp: 14533

Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	46.3	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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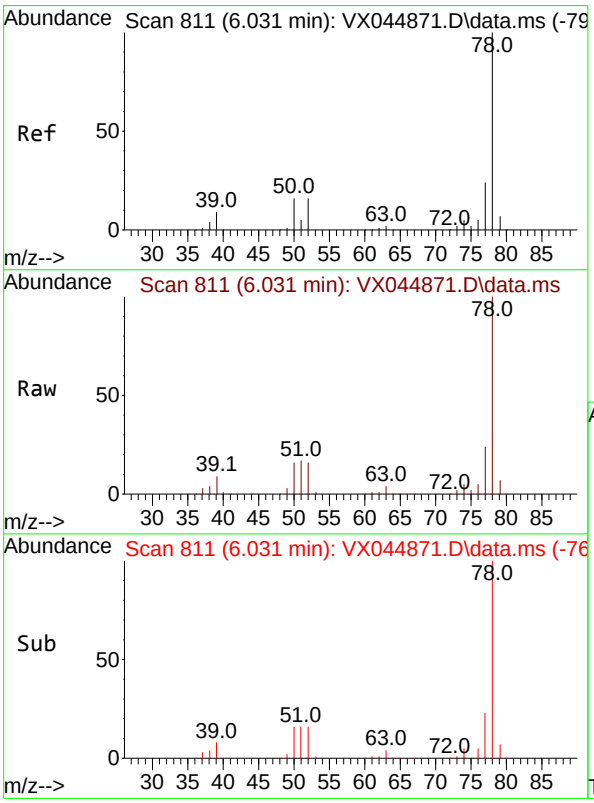
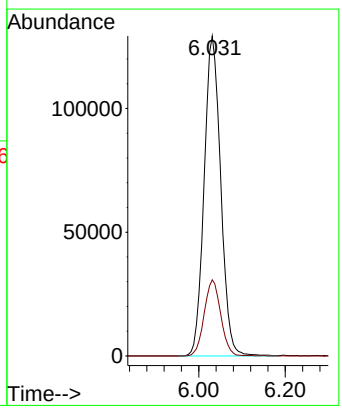
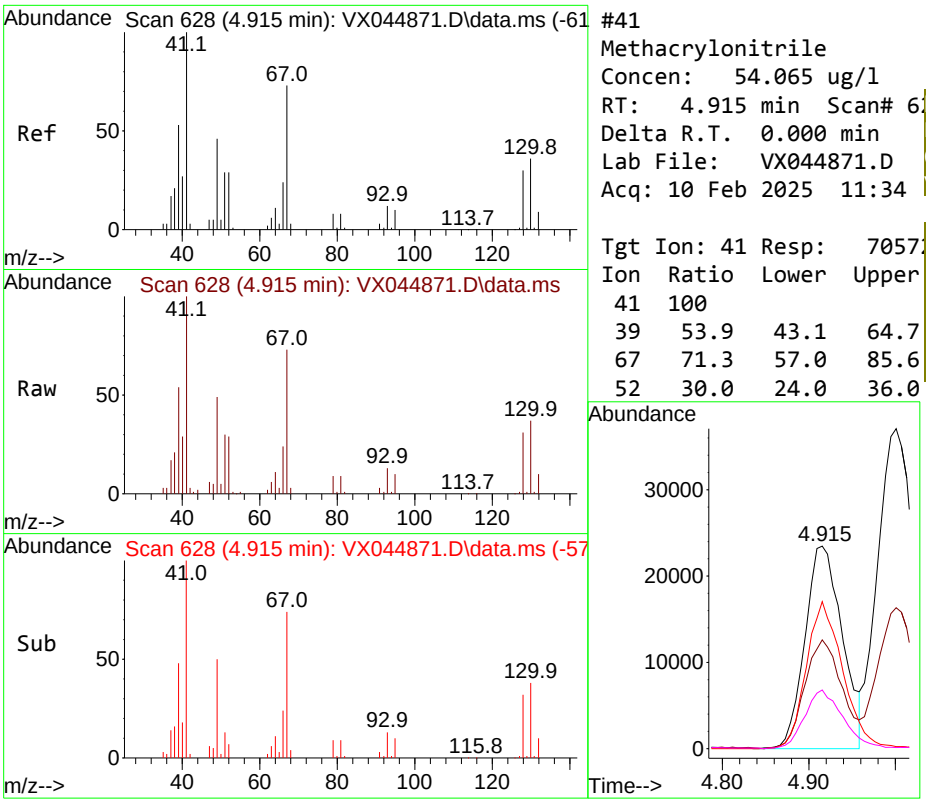


#40
Benzene
Concen: 50.182 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 78 Resp: 343557

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41
Methacrylonitrile
Concen: 54.065 ug/l
RT: 4.915 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 7057

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	71.3	57.0	85.6
52	30.0	24.0	36.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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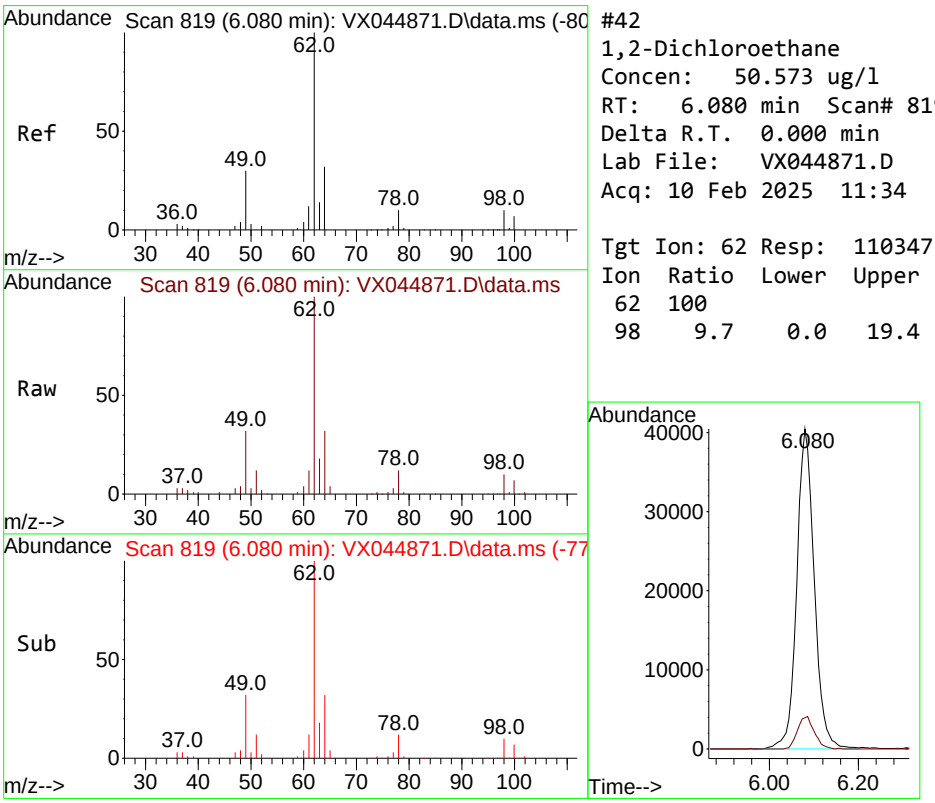
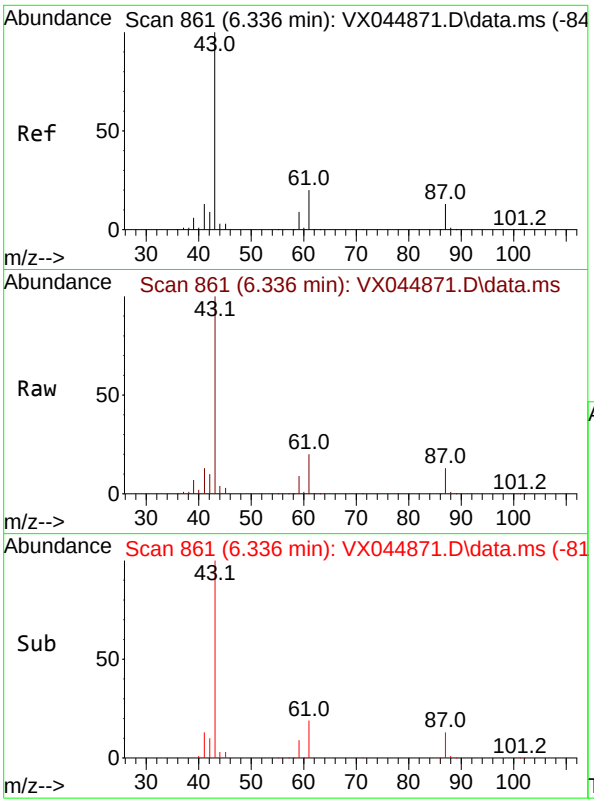


#42
1,2-Dichloroethane
Concen: 50.573 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 110347

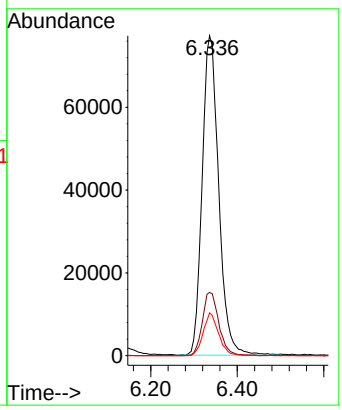
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4



#43
Isopropyl Acetate
Concen: 51.981 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 20470

Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.8
87	12.5	10.0	15.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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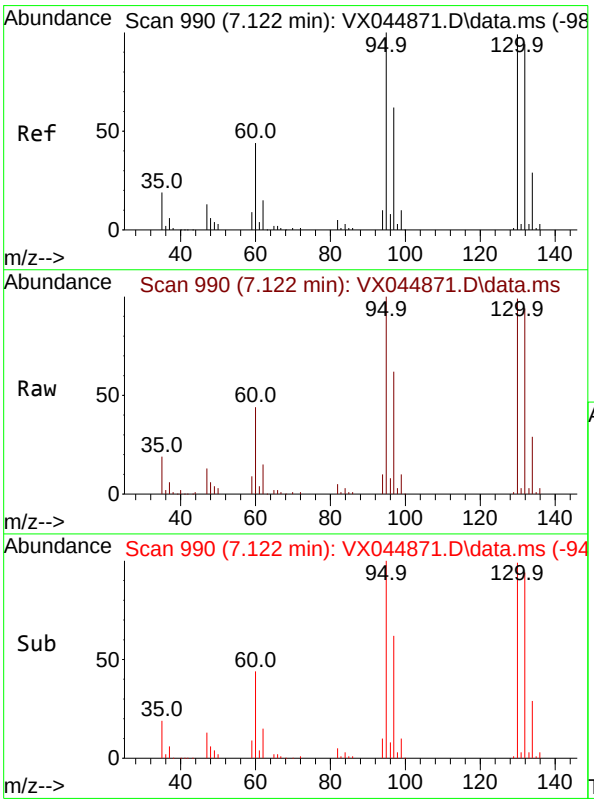
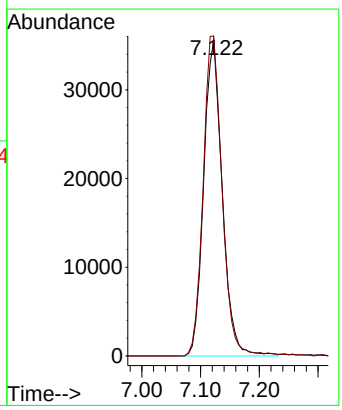
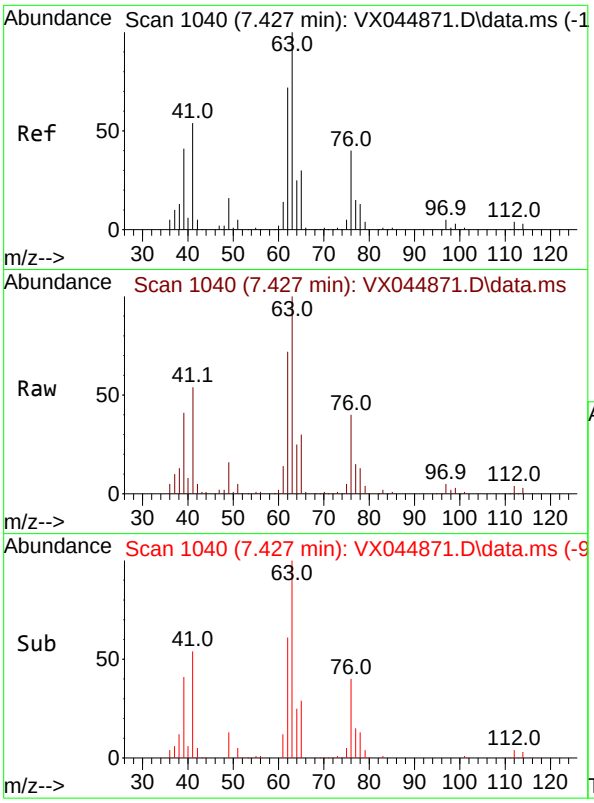


#44
Trichloroethene
Concen: 50.020 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:130 Resp: 78274

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	202.4

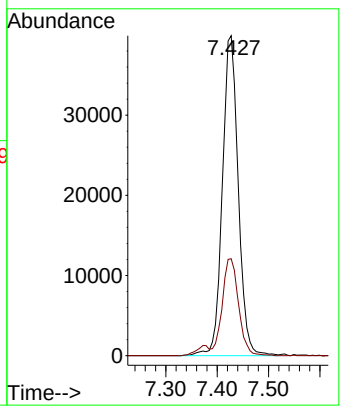




#45
1,2-Dichloropropane
Concen: 50.335 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 8573

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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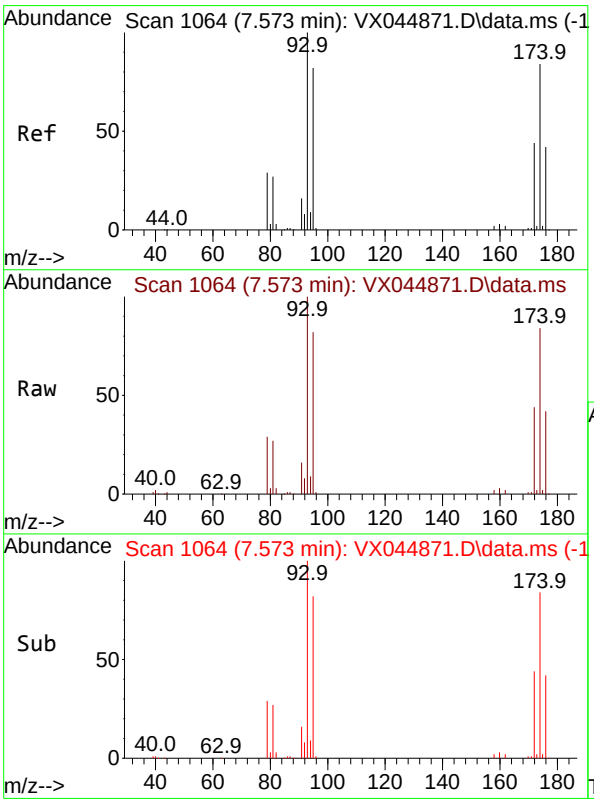
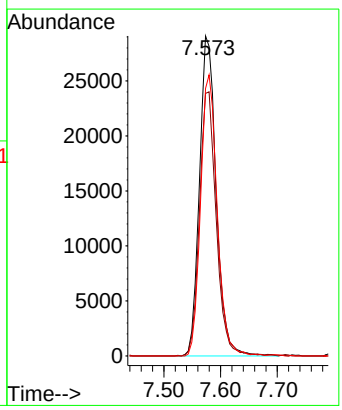
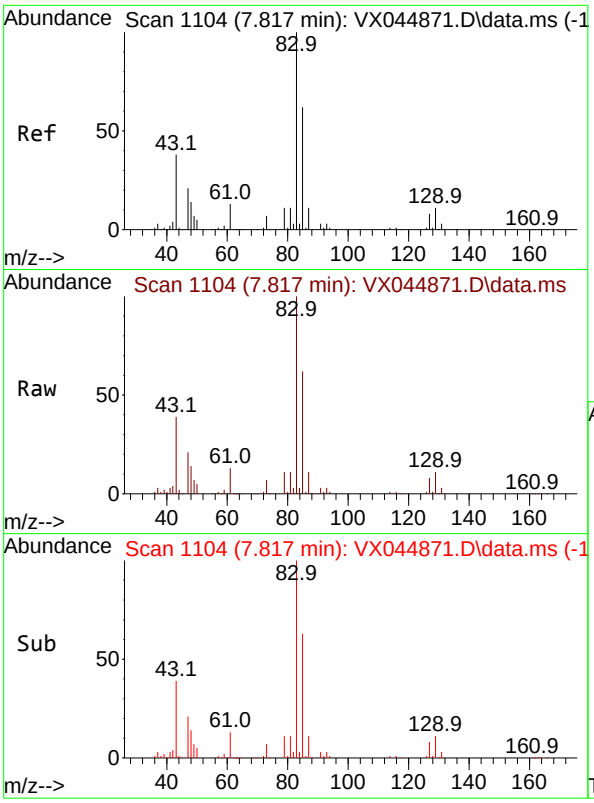


#46
Dibromomethane
Concen: 50.479 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 93 Resp: 59625

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	87.4	69.9	104.9

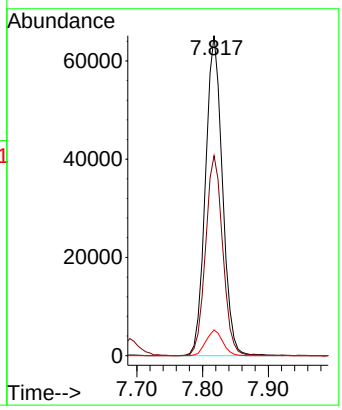




#47
Bromodichloromethane
Concen: 51.108 ug/l
RT: 7.817 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 83 Resp: 11689

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.0	75.0
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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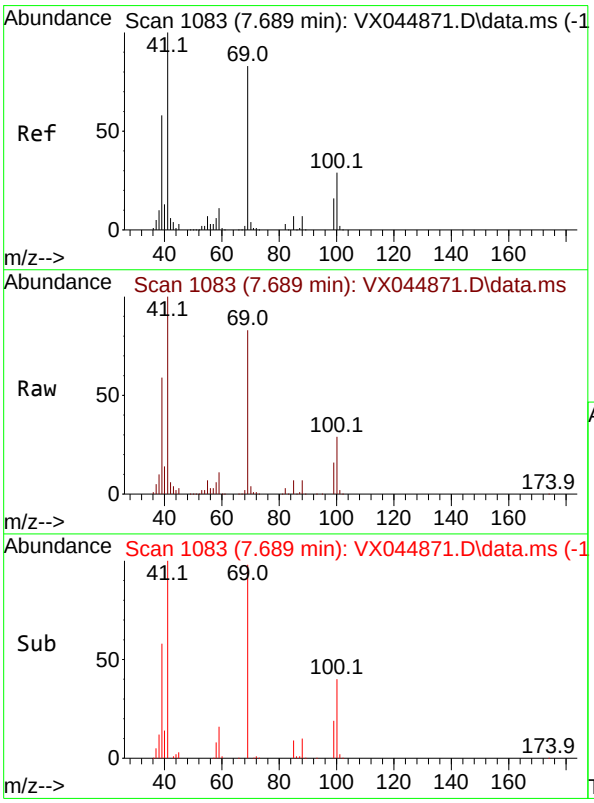
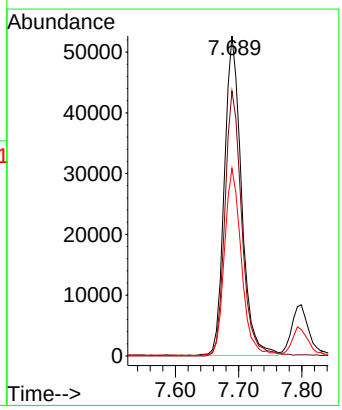
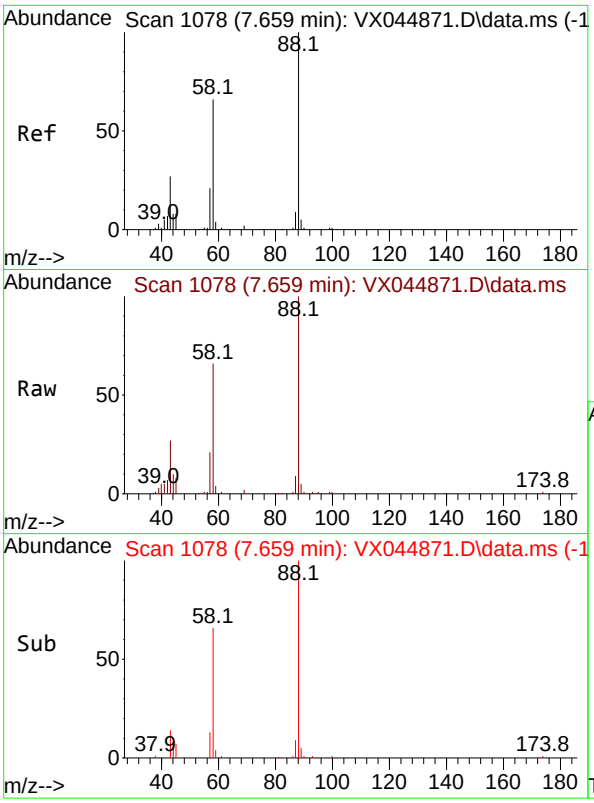


#48
Methyl methacrylate
Concen: 53.057 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 98519

Ion	Ratio	Lower	Upper
41	100		
69	82.3	65.8	98.8
39	58.0	46.4	69.6

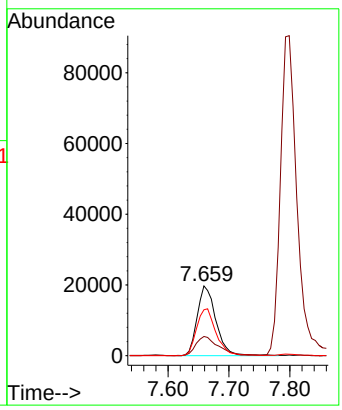




#49
1,4-Dioxane
Concen: 1056.618 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 88 Resp: 4209

Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	39.8
58	69.9	55.9	83.9



Instrument :
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ClientSampleId :
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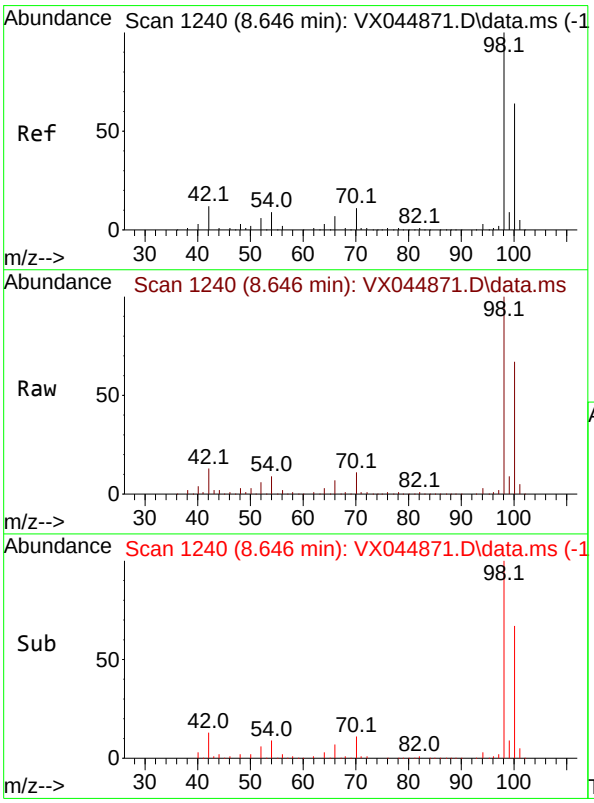
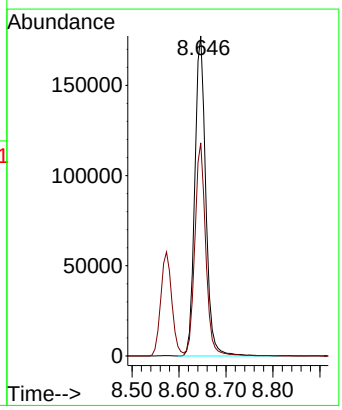
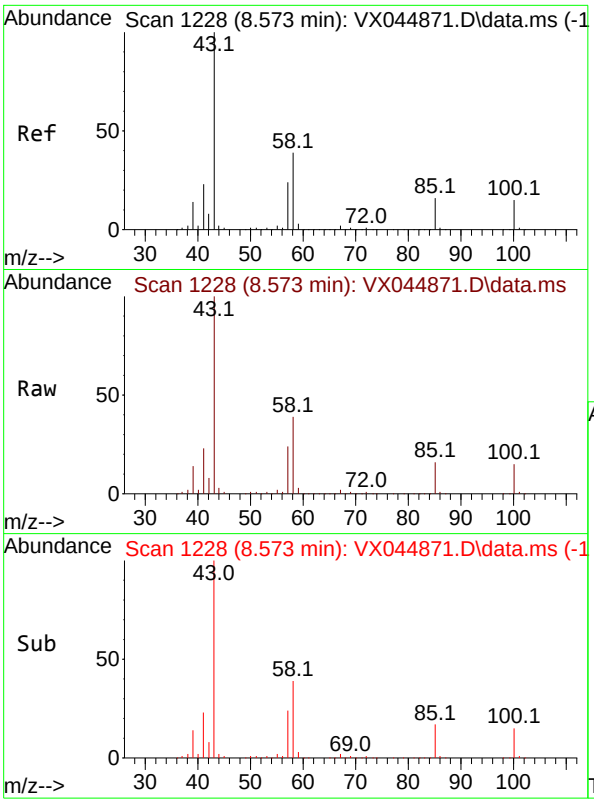


#50
Toluene-d8
Concen: 50.392 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 98 Resp: 289575

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1

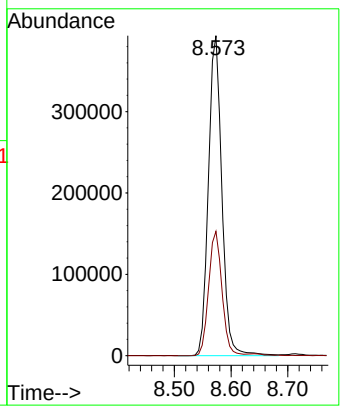




#51
4-Methyl-2-Pentanone
Concen: 270.364 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 64728

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.8	46.2



Instrument :
MSVOA_X
ClientSampleId :
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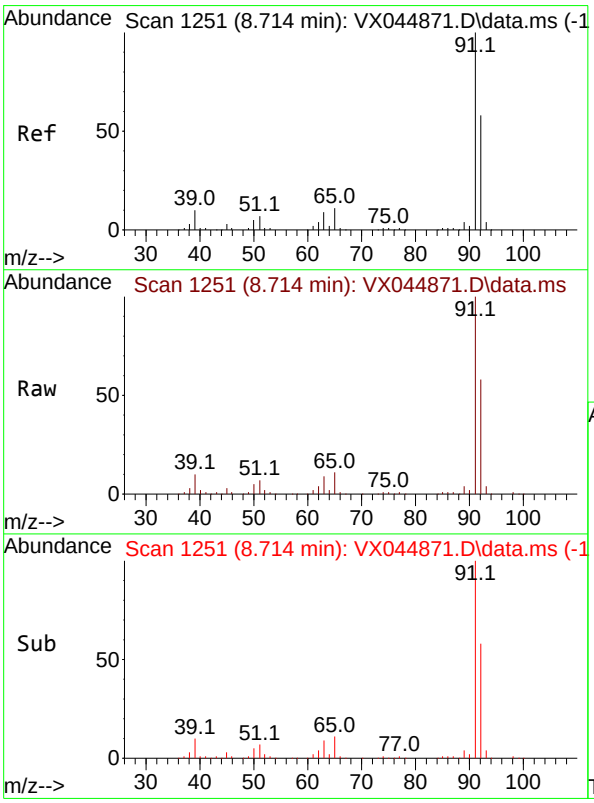
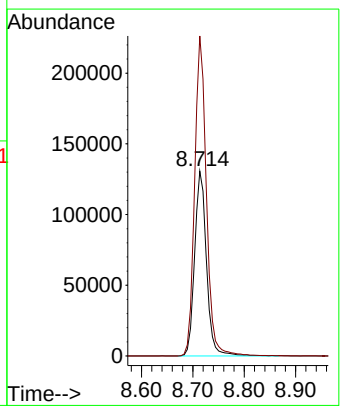
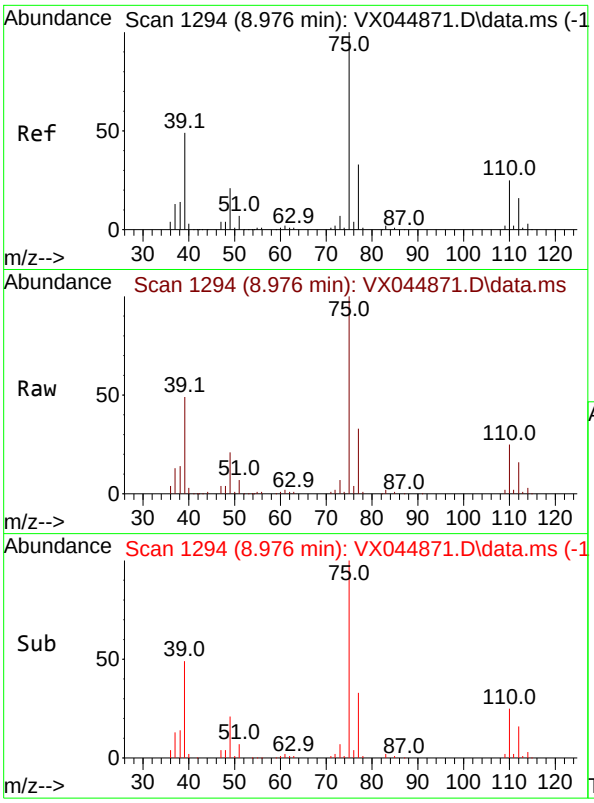


#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 92 Resp: 210007

Ion	Ratio	Lower	Upper
92	100		
91	171.8	137.4	206.2

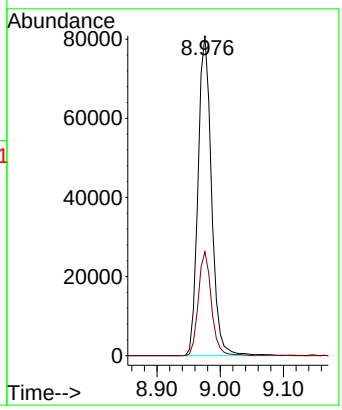




#53
t-1,3-Dichloropropene
Concen: 51.902 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 12012

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.0	39.0



Instrument :
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ClientSampleId :
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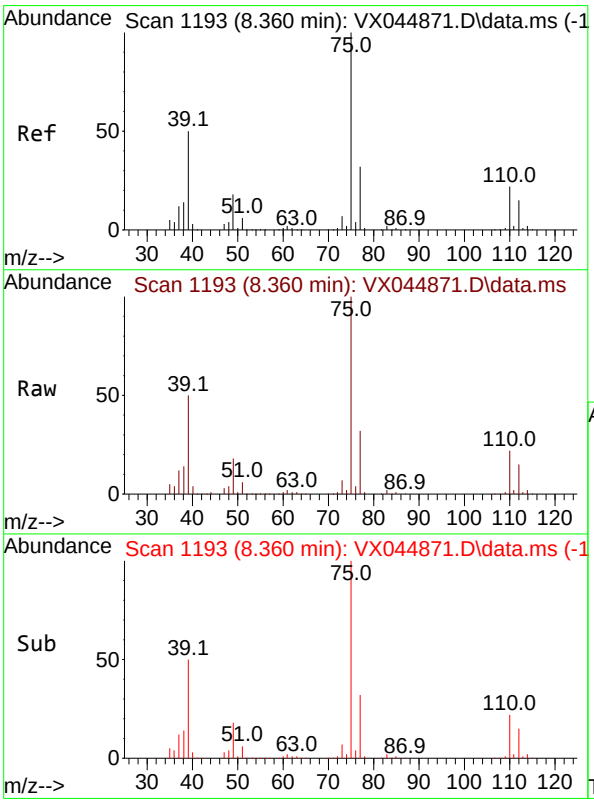
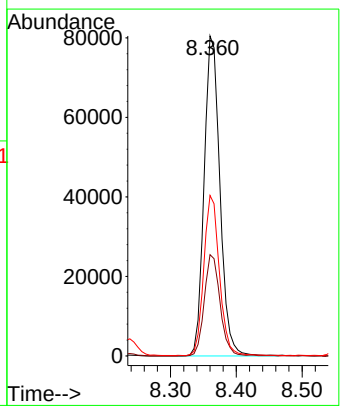
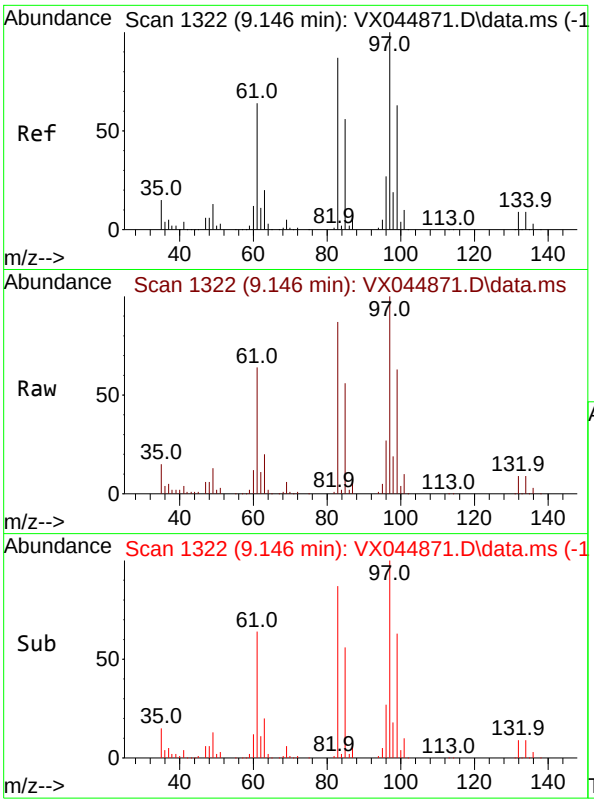


#54
cis-1,3-Dichloropropene
Concen: 52.223 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 134763

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	50.0	40.0	60.0

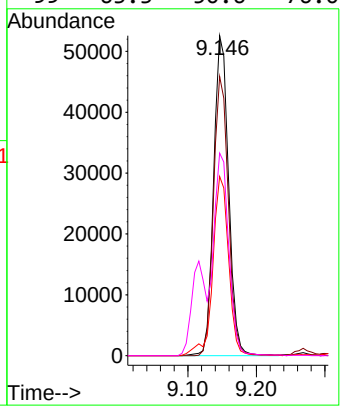




#55
1,1,2-Trichloroethane
Concen: 50.876 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 97 Resp: 7974

Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.8	104.6
85	56.0	44.8	67.2
99	63.3	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
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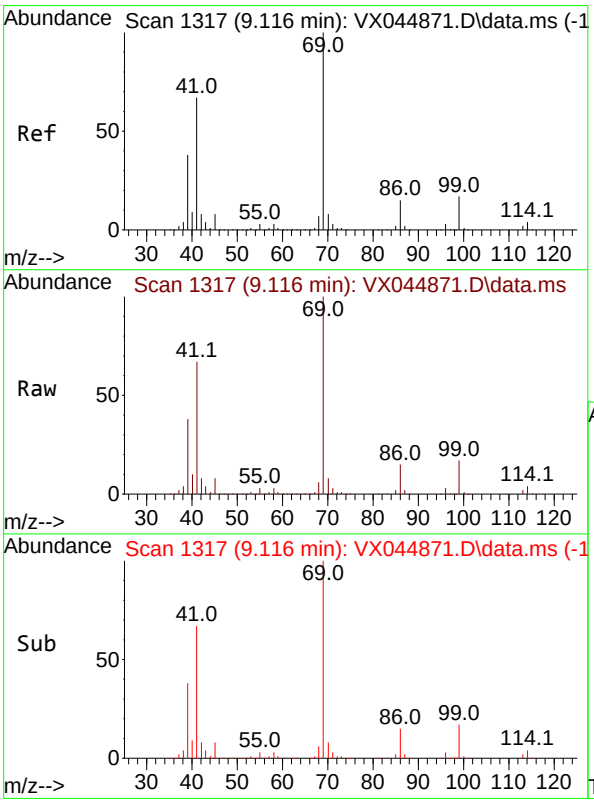
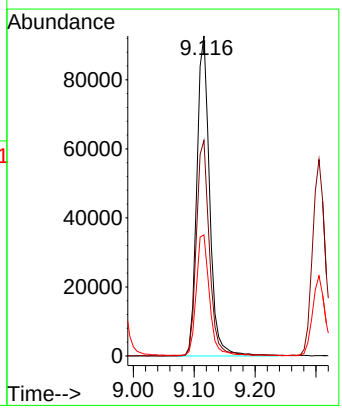
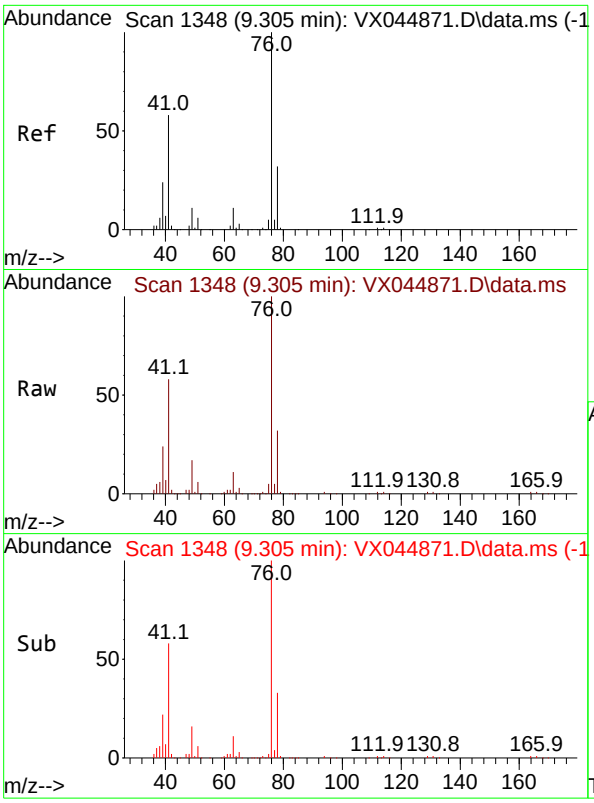


#56
Ethyl methacrylate
Concen: 53.319 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 69 Resp: 134975

Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.2	82.8
39	38.5	30.8	46.2

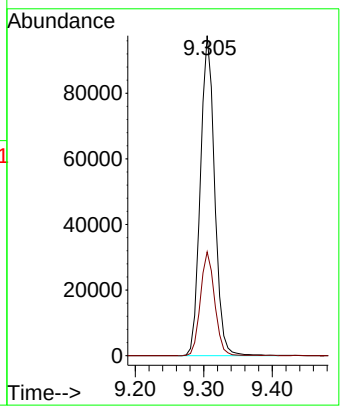




#57
1,3-Dichloropropane
Concen: 51.537 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 76 Resp: 14133

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
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ClientSampleId :
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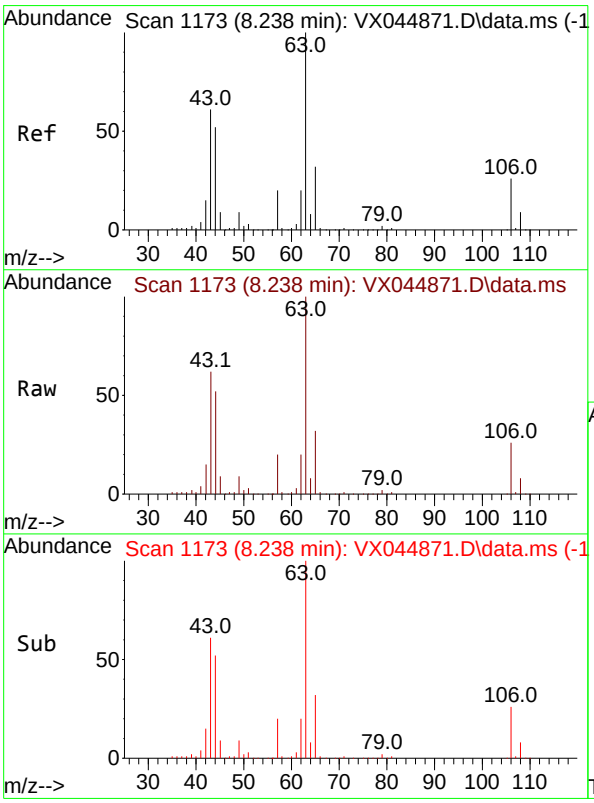
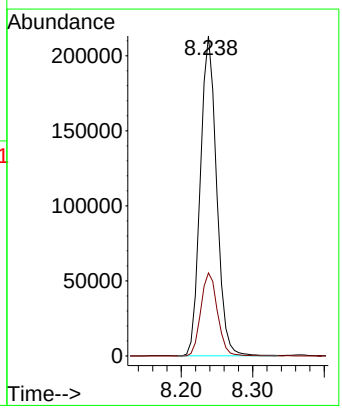
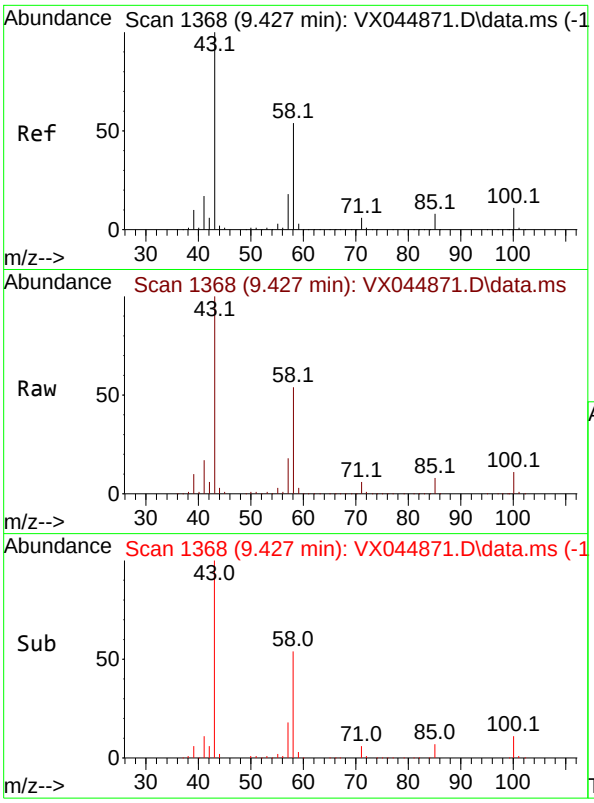


#58
2-Chloroethyl Vinyl ether
Concen: 270.652 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 336412

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9





#59
2-Hexanone
Concen: 273.800 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 47230

Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.5	82.4

Instrument :
MSVOA_X
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VSTDICCC050

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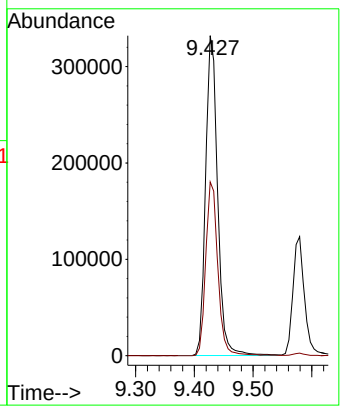
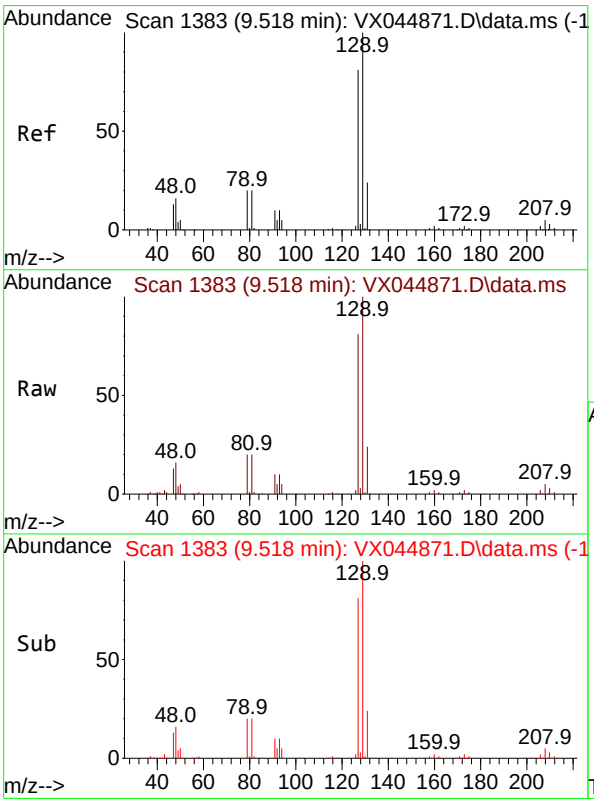
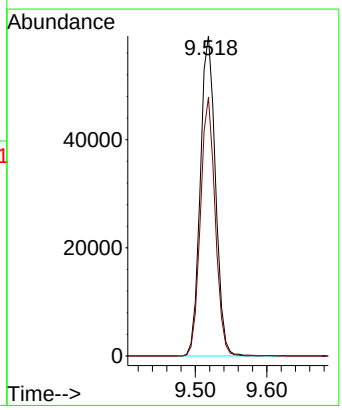


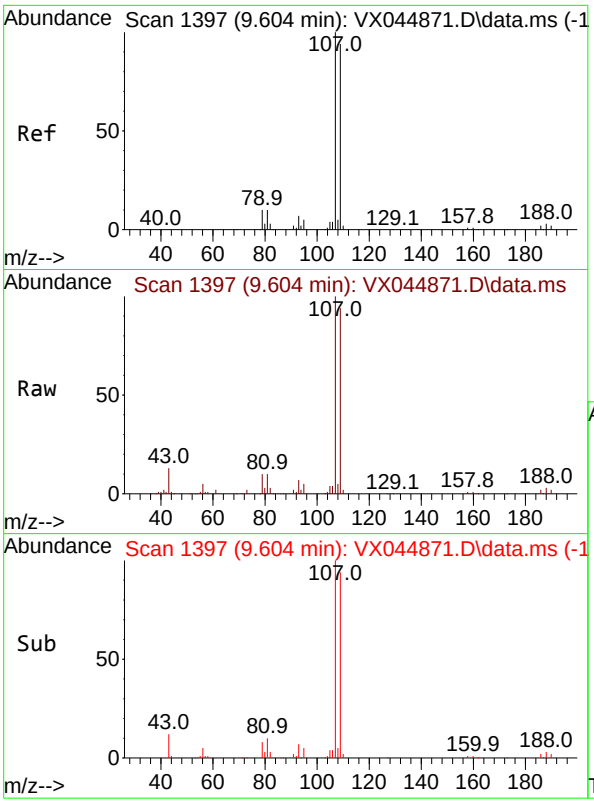


#60
Dibromochloromethane
Concen: 52.045 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:129 Resp: 87240

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3

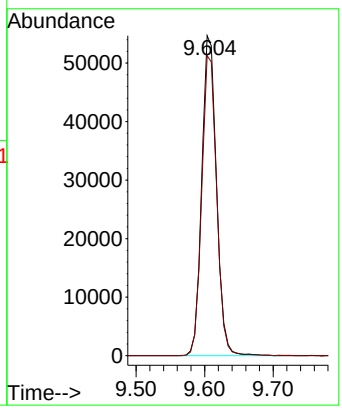




#61
1,2-Dibromoethane
Concen: 51.564 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:107 Resp: 8191

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
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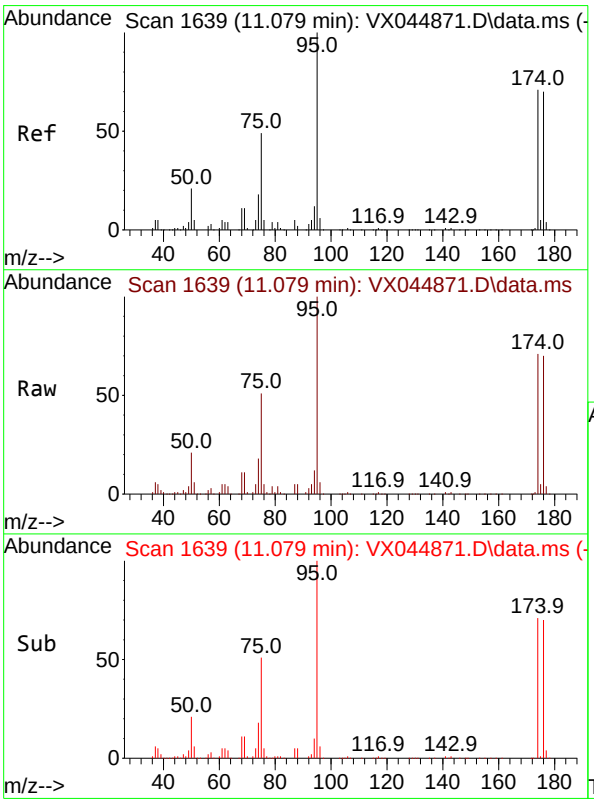
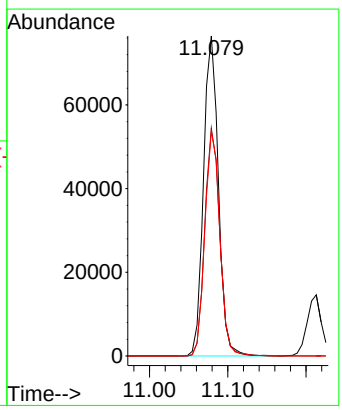
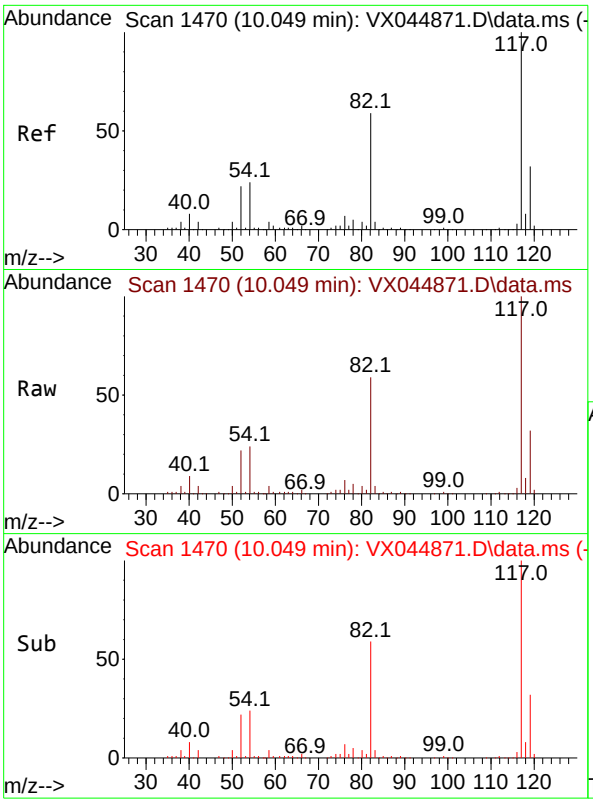


#62
4-Bromofluorobenzene
Concen: 52.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 95 Resp: 100798

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	142.6
176	70.8	0.0	141.6

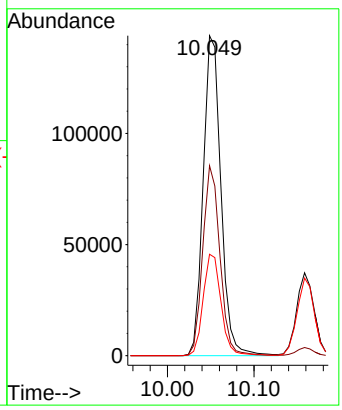




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:117 Resp: 20475

Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.5	71.3
119	31.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
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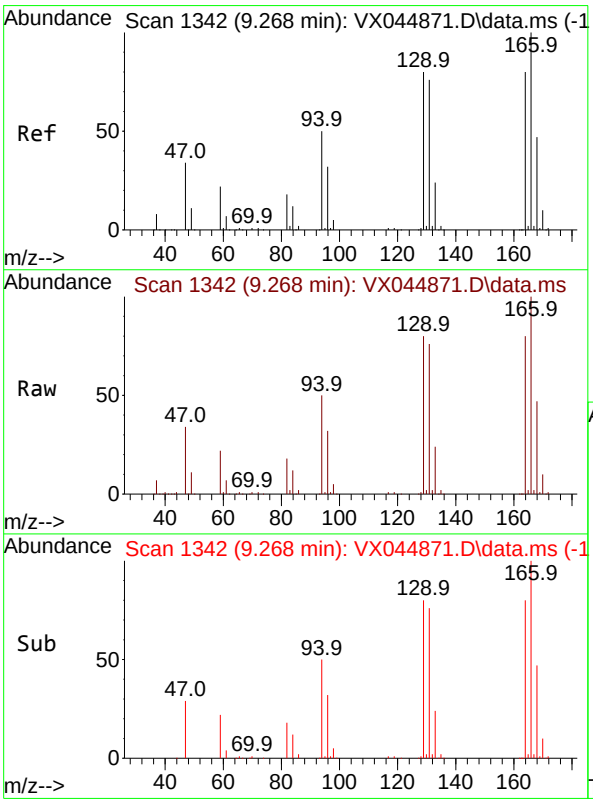
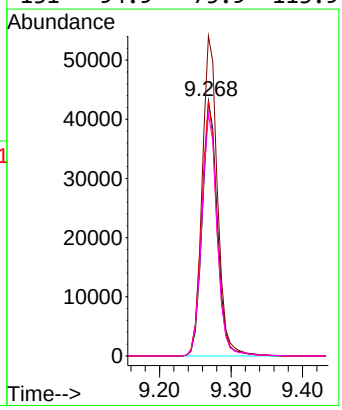
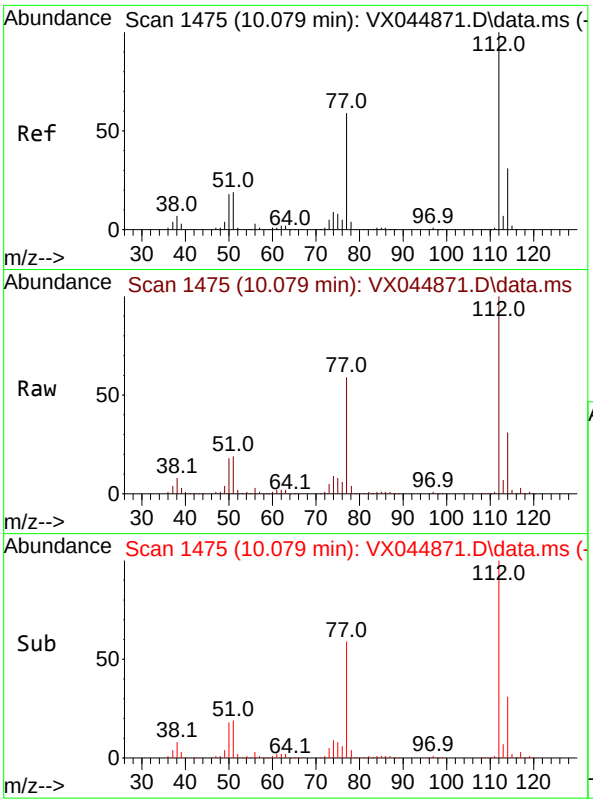


#64
Tetrachloroethene
Concen: 49.206 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:164 Resp: 63537

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	99.9	79.9	119.9
131	94.9	75.9	113.9

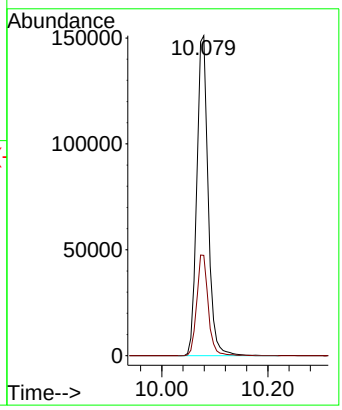




#65
Chlorobenzene
Concen: 51.005 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:112 Resp: 22430

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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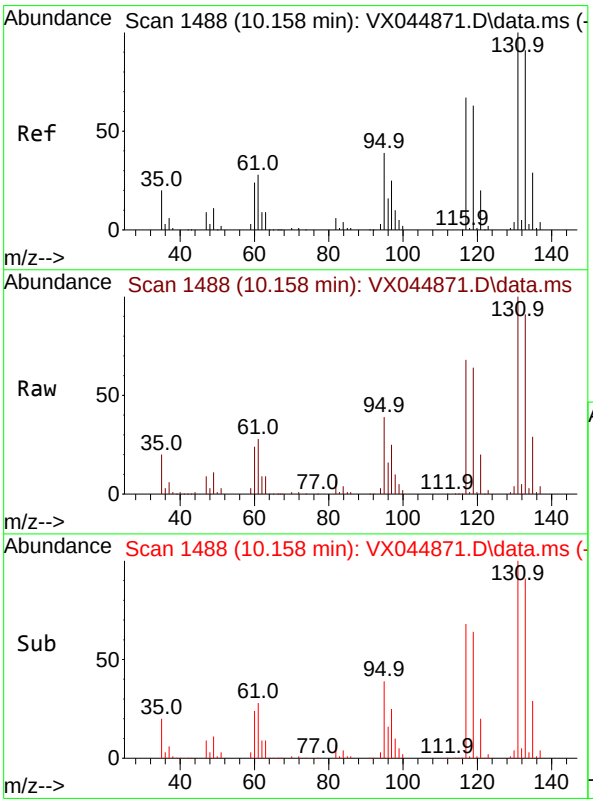
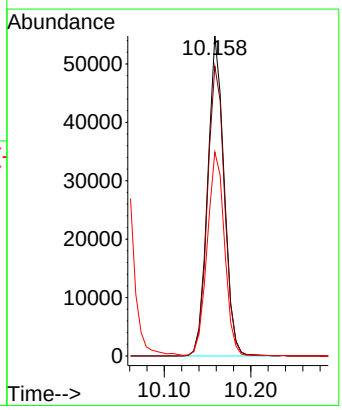
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

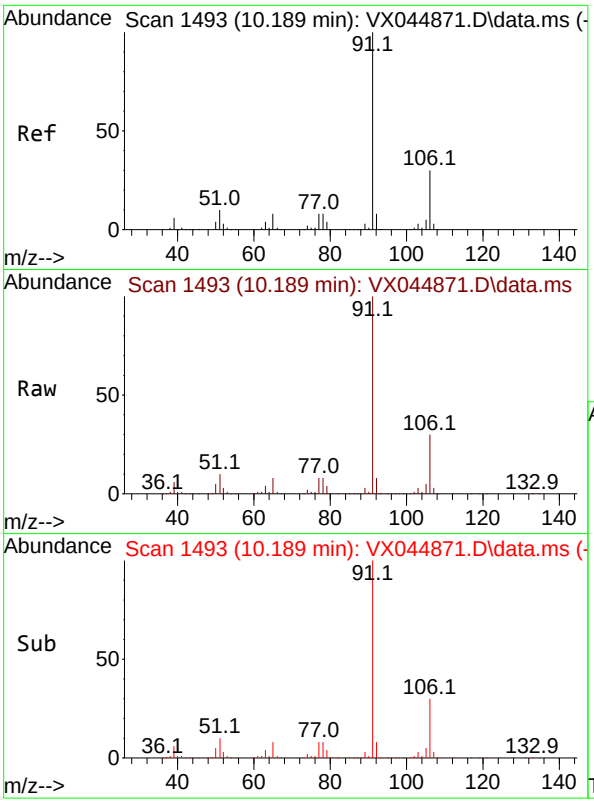


#66
1,1,1,2-Tetrachloroethane
Concen: 51.203 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:131 Resp: 72478

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.1	141.3
119	67.1	33.6	100.6

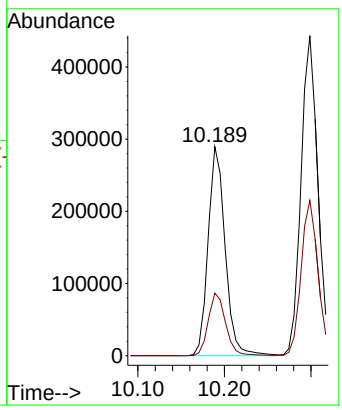




#67
Ethyl Benzene
Concen: 51.061 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 39626

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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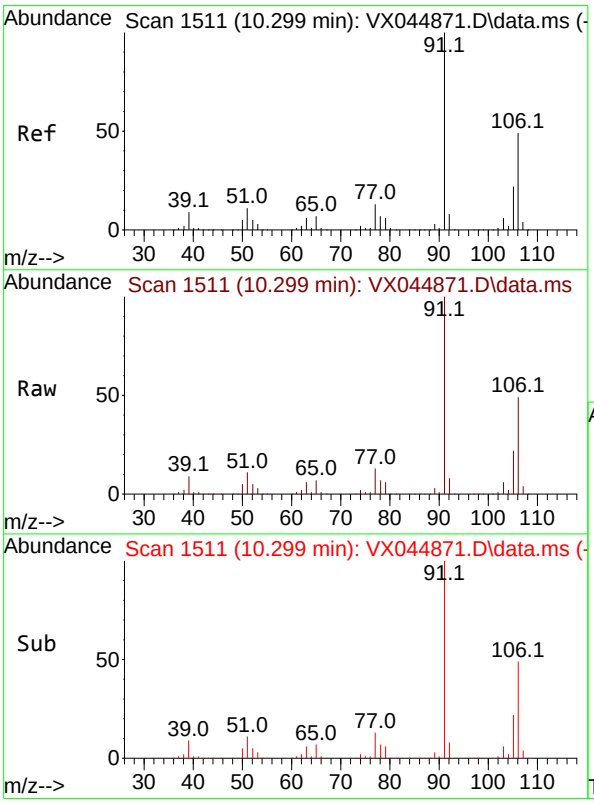
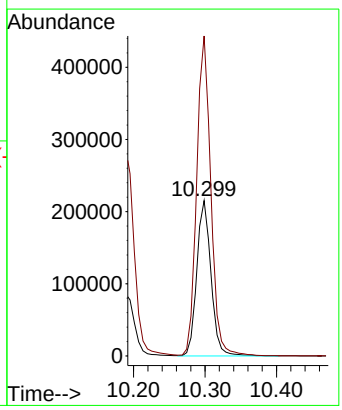
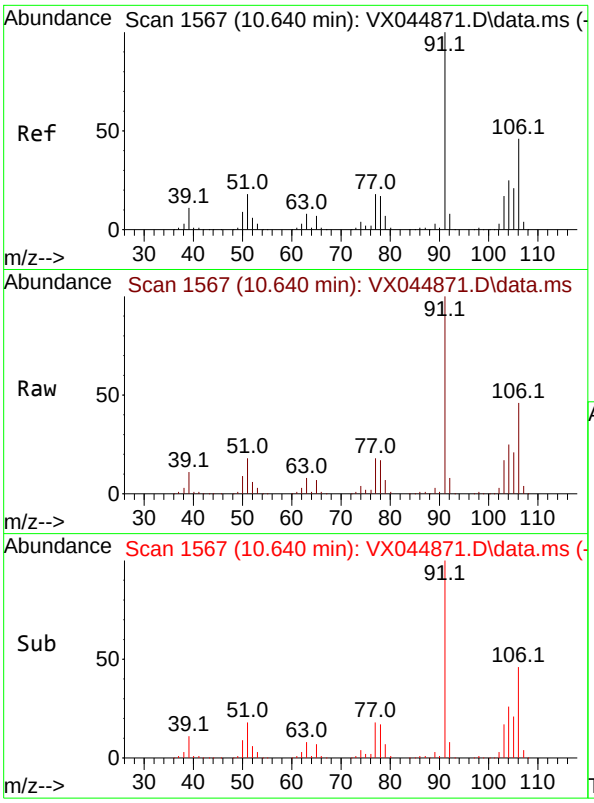


#68
m/p-Xylenes
Concen: 103.573 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:106 Resp: 296507

Ion	Ratio	Lower	Upper
106	100		
91	205.4	164.3	246.5

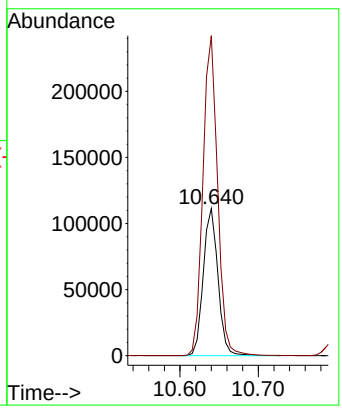




#69
o-Xylene
Concen: 50.409 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:106 Resp: 14480

Ion	Ratio	Lower	Upper
106	100		
91	217.0	108.5	325.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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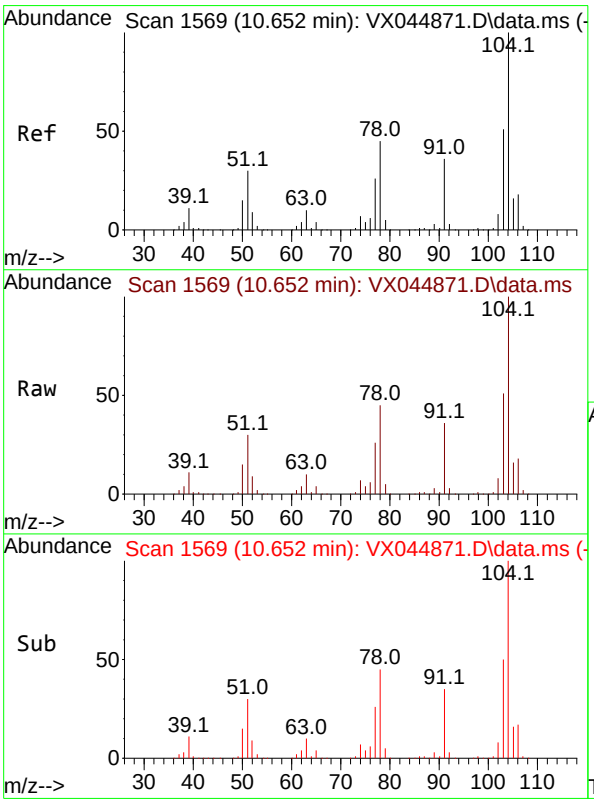
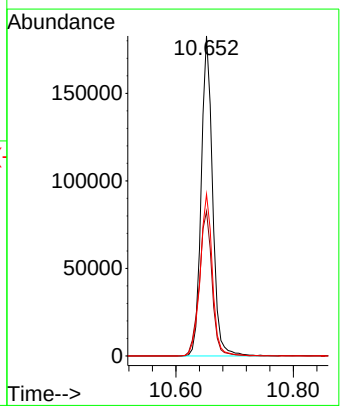
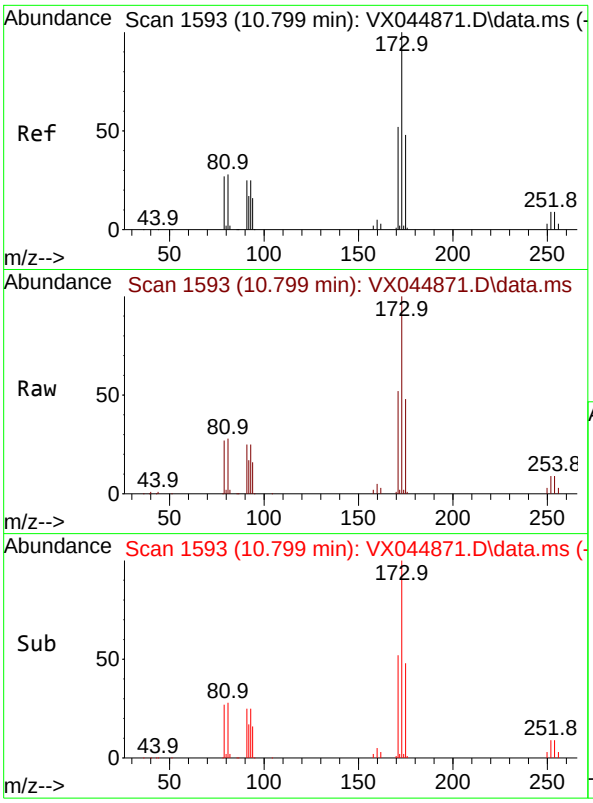


#70
Styrene
Concen: 53.051 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:104 Resp: 245518

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.5	60.7
103	54.5	43.6	65.4

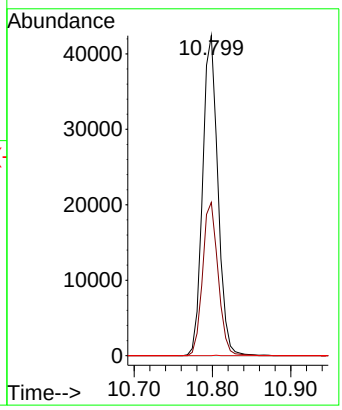




#71
Bromoform
Concen: 54.352 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:173 Resp: 5741

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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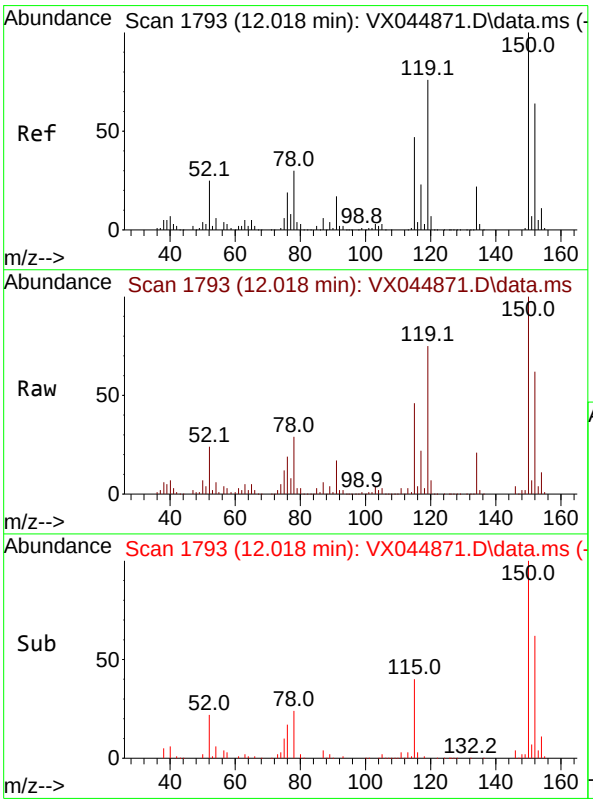
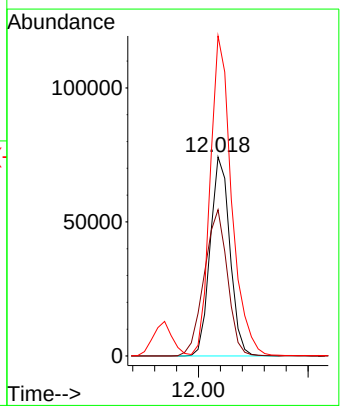
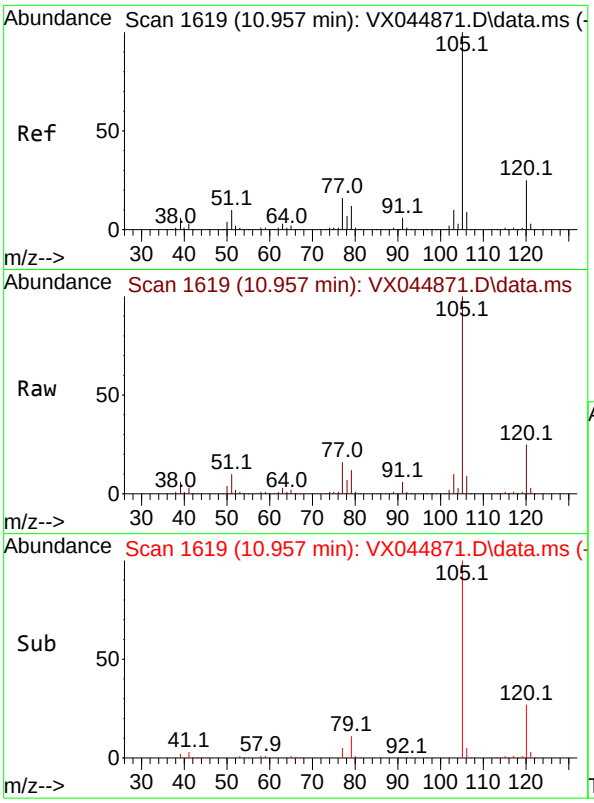


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:152 Resp: 92648

Ion	Ratio	Lower	Upper
152	100		
115	86.7	43.4	130.1
150	175.2	0.0	350.4





#73
Isopropylbenzene
Concen: 50.239 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 37477

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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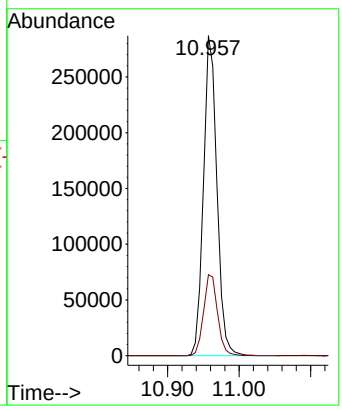
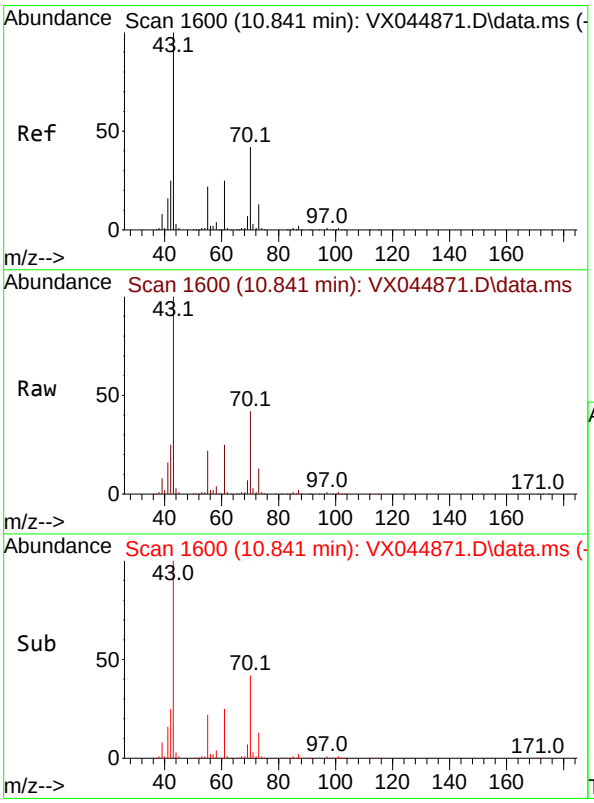
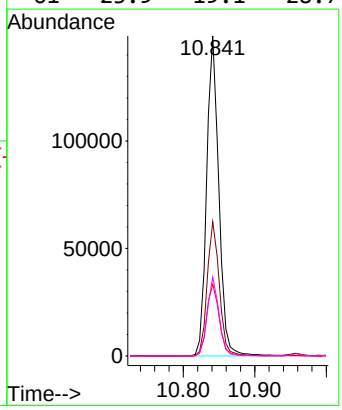


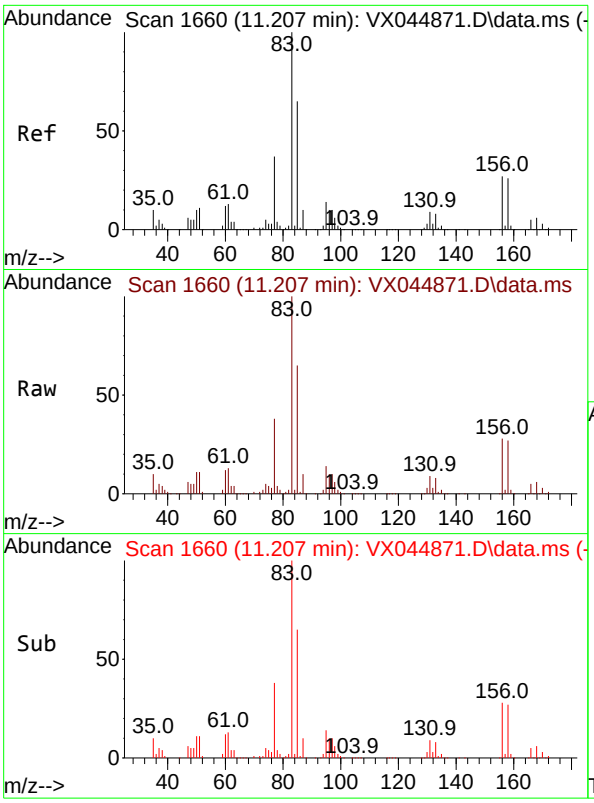


#74
N-amyl acetate
Concen: 52.189 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 176174

Ion	Ratio	Lower	Upper
43	100		
70	42.1	33.7	50.5
55	23.2	18.6	27.8
61	23.9	19.1	28.7

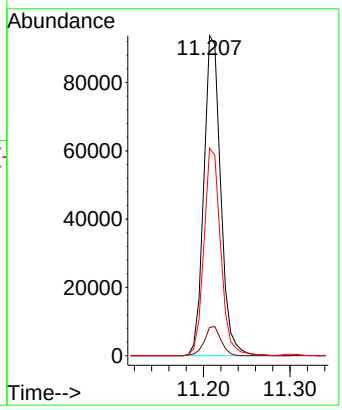




#75
1,1,2,2-Tetrachloroethane
Concen: 49.364 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 83 Resp: 12654

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.5
85	64.5	32.3	96.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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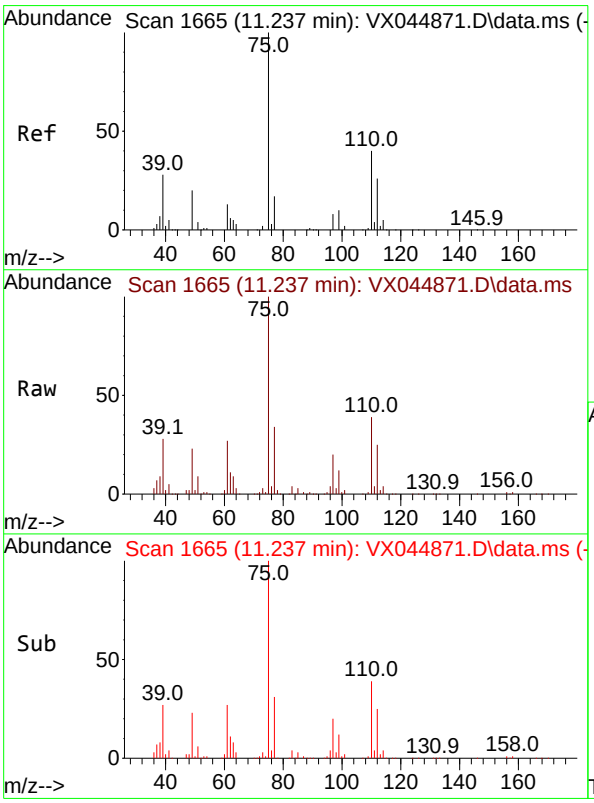
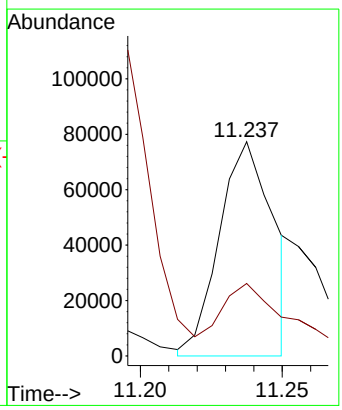
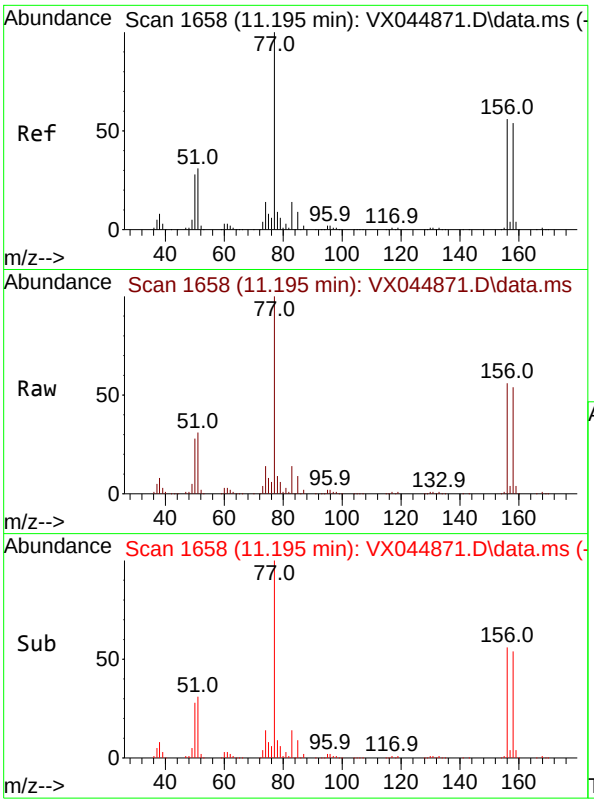


#76
1,2,3-Trichloropropane
Concen: 49.903 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 102508

Ion	Ratio	Lower	Upper
75	100		
77	43.8	21.9	65.7

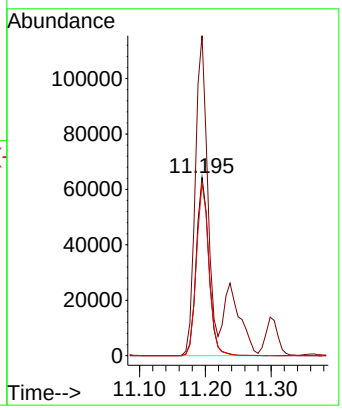




#77
Bromobenzene
Concen: 49.931 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:156 Resp: 8444

Ion	Ratio	Lower	Upper
156	100		
77	176.9	88.4	265.3
158	96.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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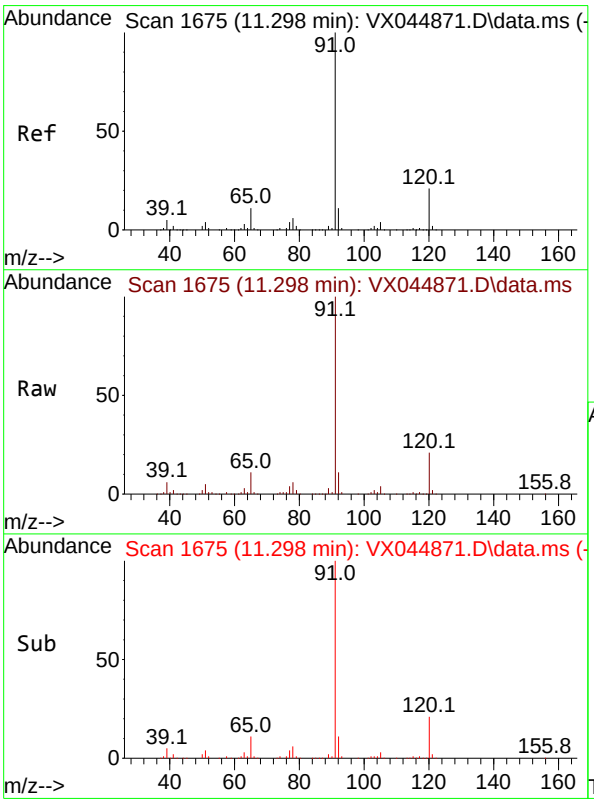
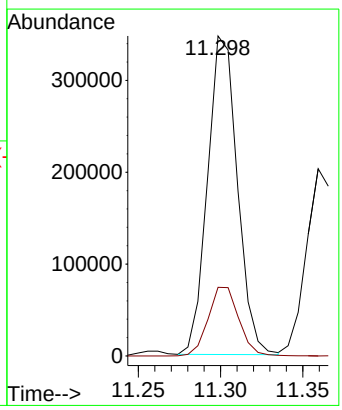
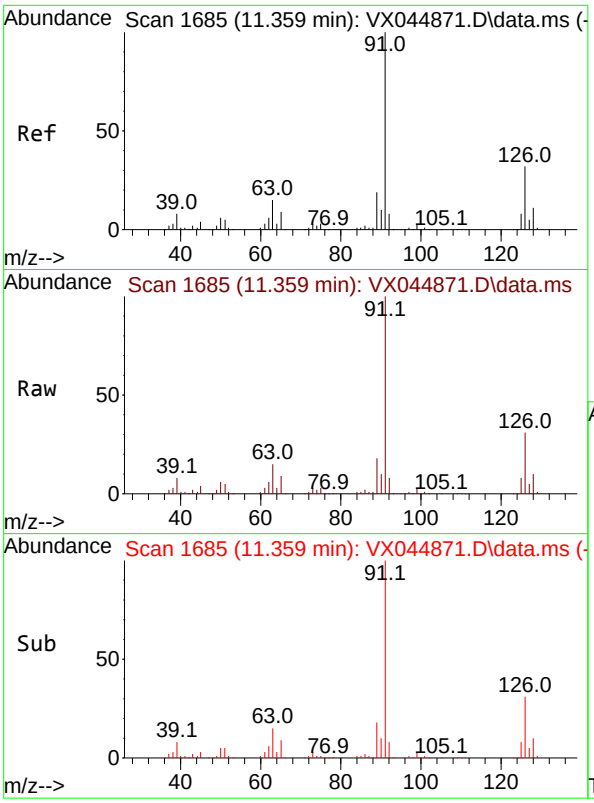


#78
n-propylbenzene
Concen: 50.818 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 437572

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3

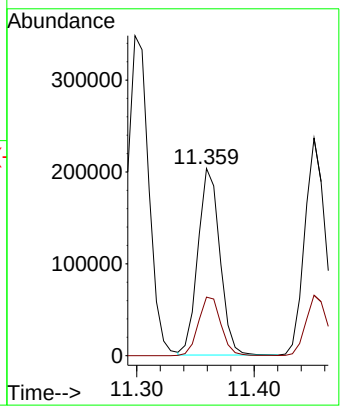




#79
2-Chlorotoluene
Concen: 49.749 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 26326

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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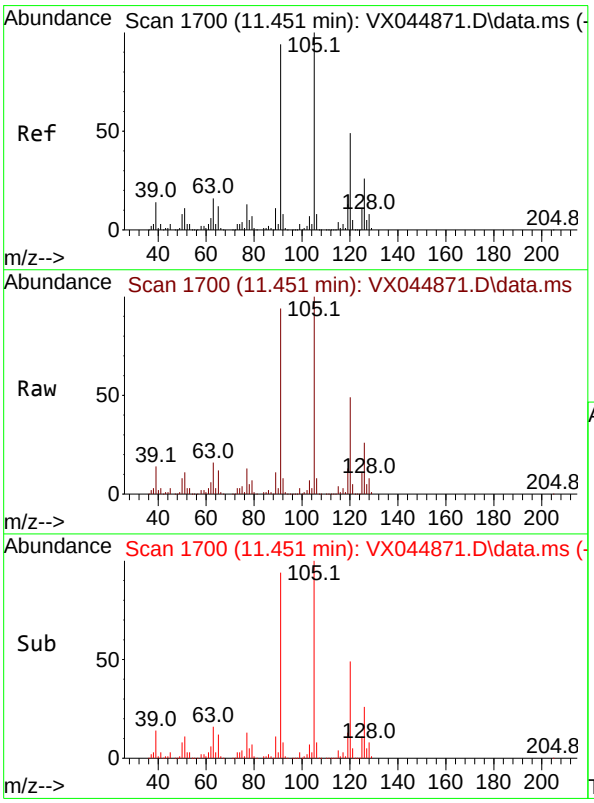
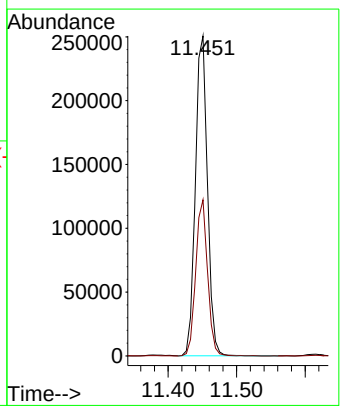
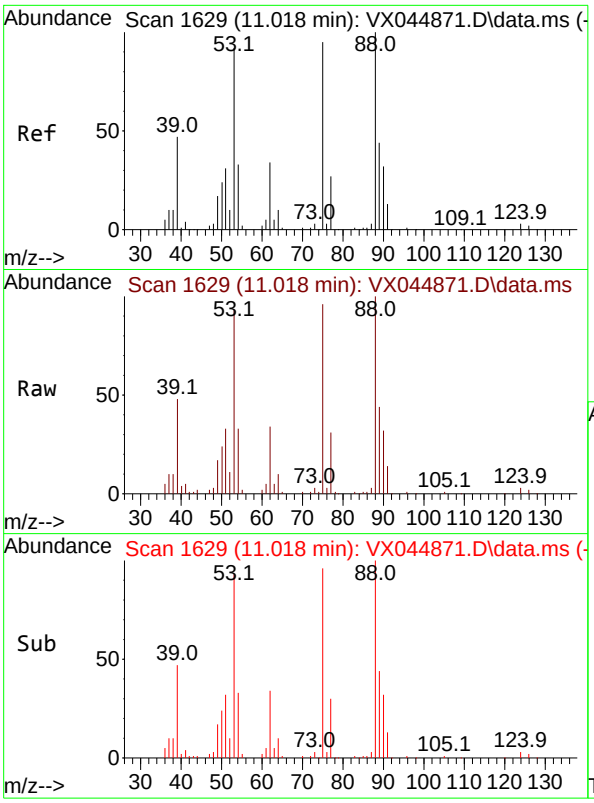


#80
1,3,5-Trimethylbenzene
Concen: 50.789 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 307465

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 50.701 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 4048

Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.0	117.0
89	45.7	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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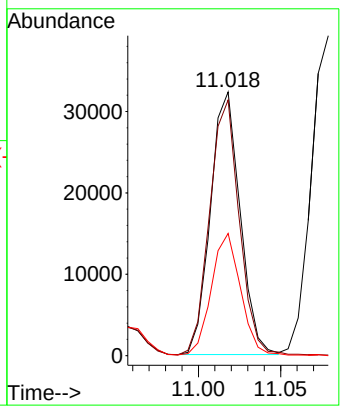
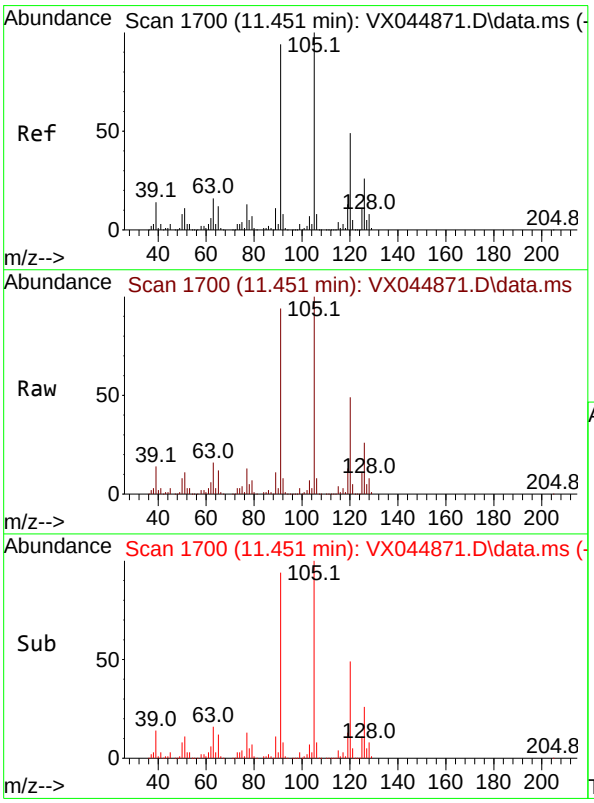
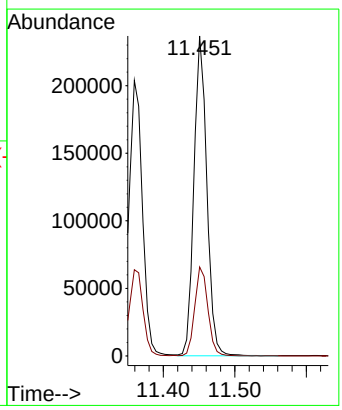


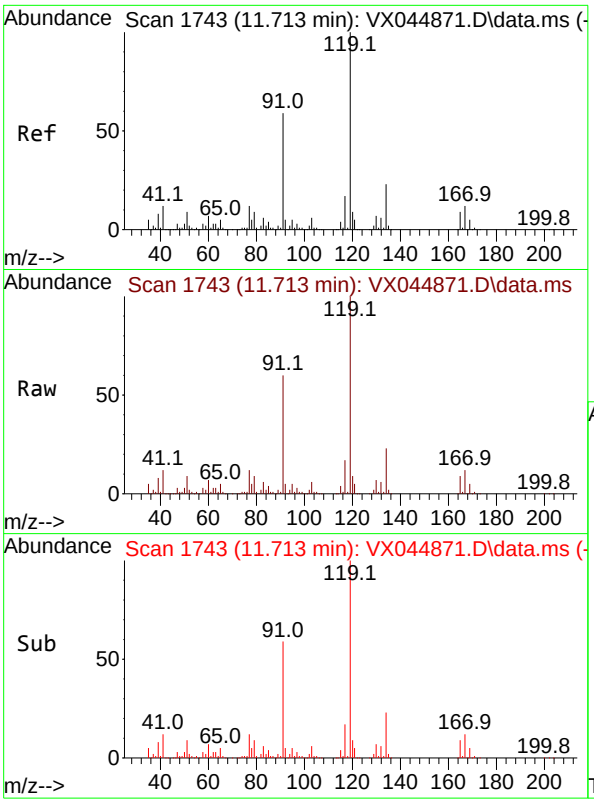


#82
4-Chlorotoluene
Concen: 50.531 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 295844

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6

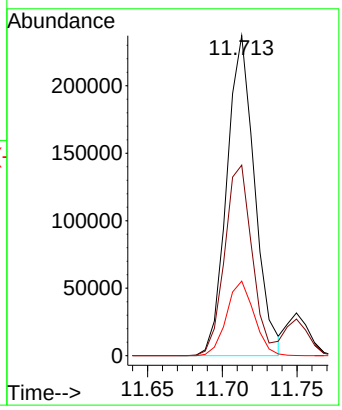




#83
tert-Butylbenzene
Concen: 50.102 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:119 Resp: 30683

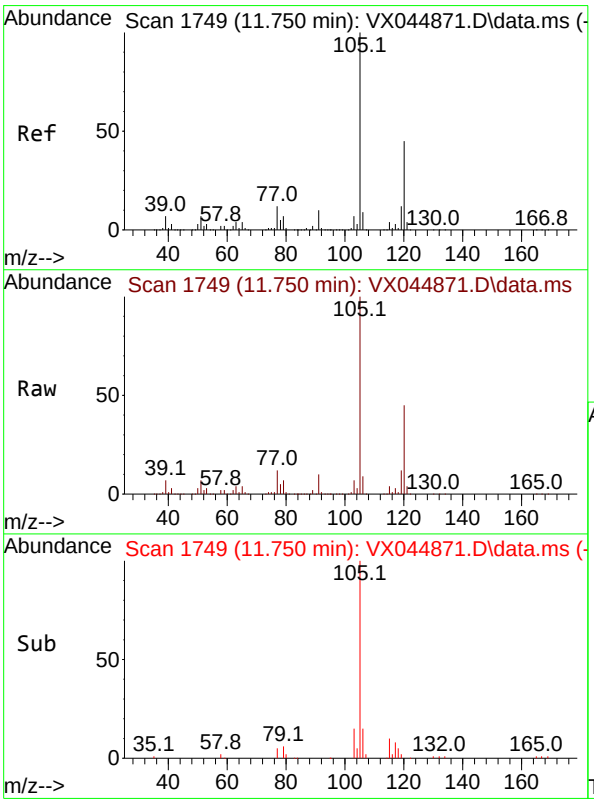
Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.1	87.4
134	23.0	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

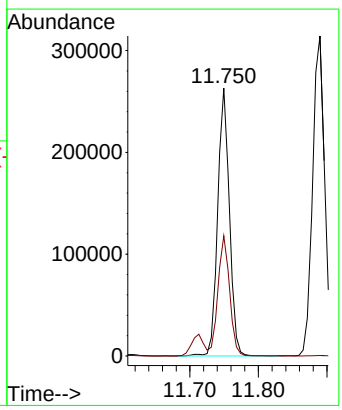
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

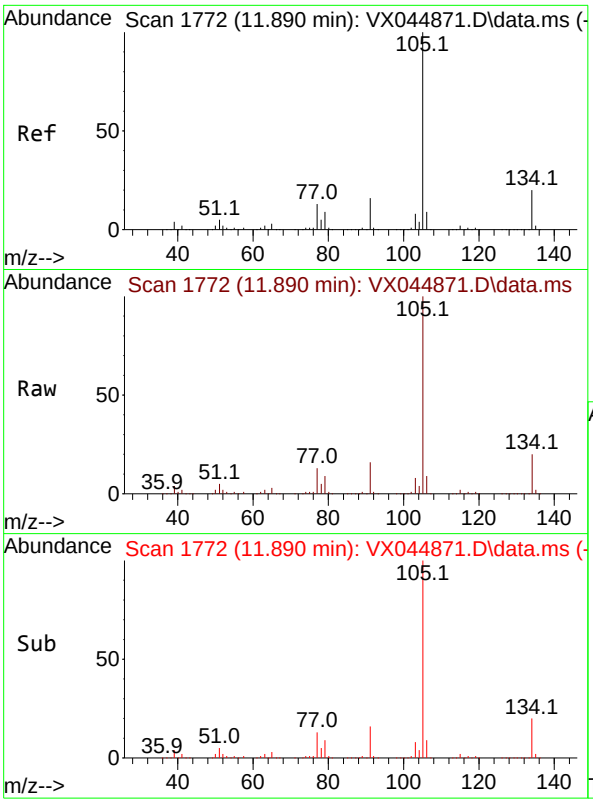


#84
1,2,4-Trimethylbenzene
Concen: 52.085 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 311205

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.0

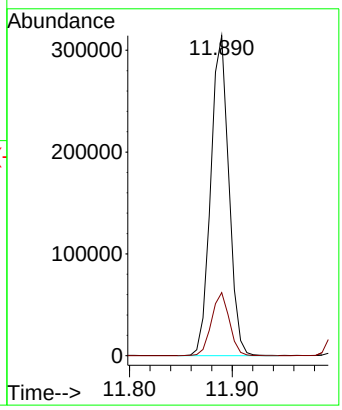




#85
sec-Butylbenzene
Concen: 50.657 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 38415

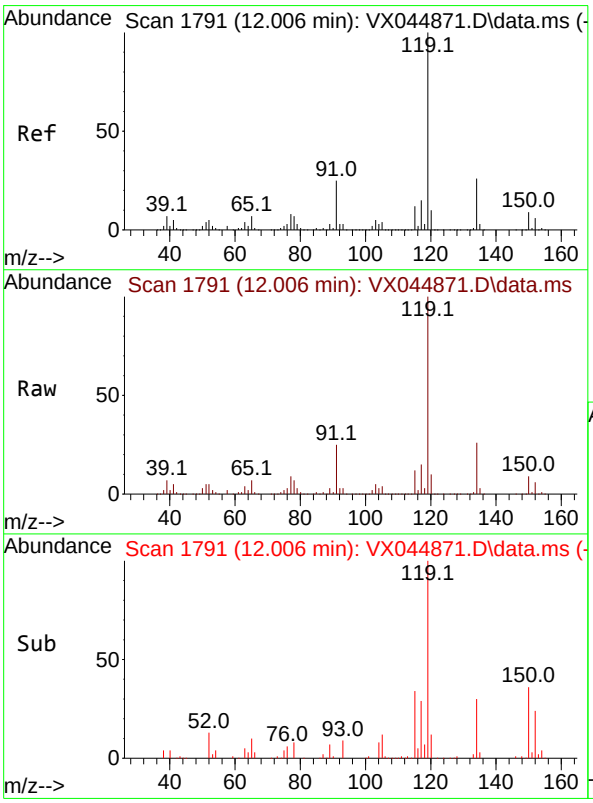
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

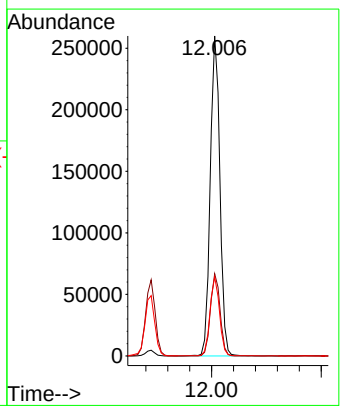
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

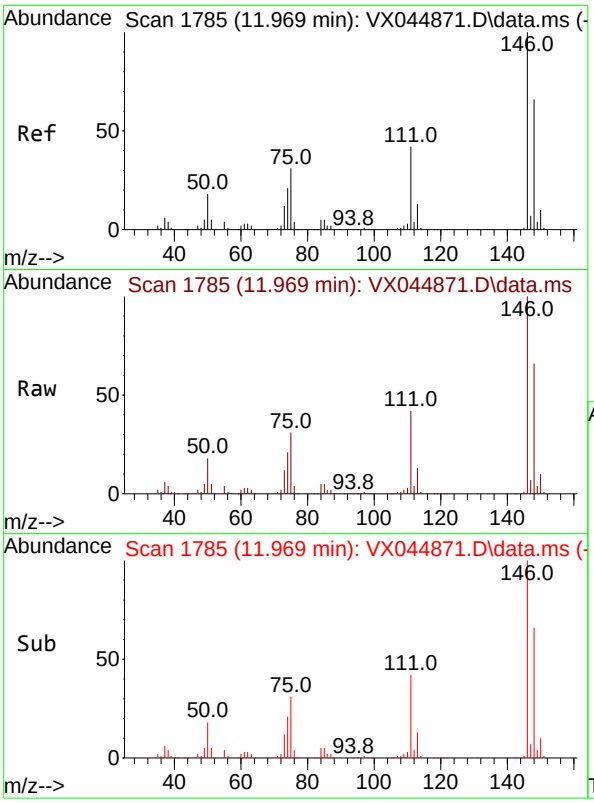


#86
p-Isopropyltoluene
Concen: 51.689 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:119 Resp: 315226

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.2	12.1	36.3

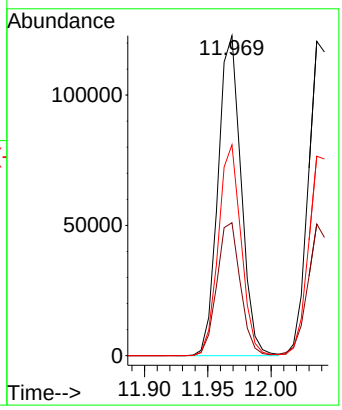




#87
1,3-Dichlorobenzene
Concen: 50.021 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 15557

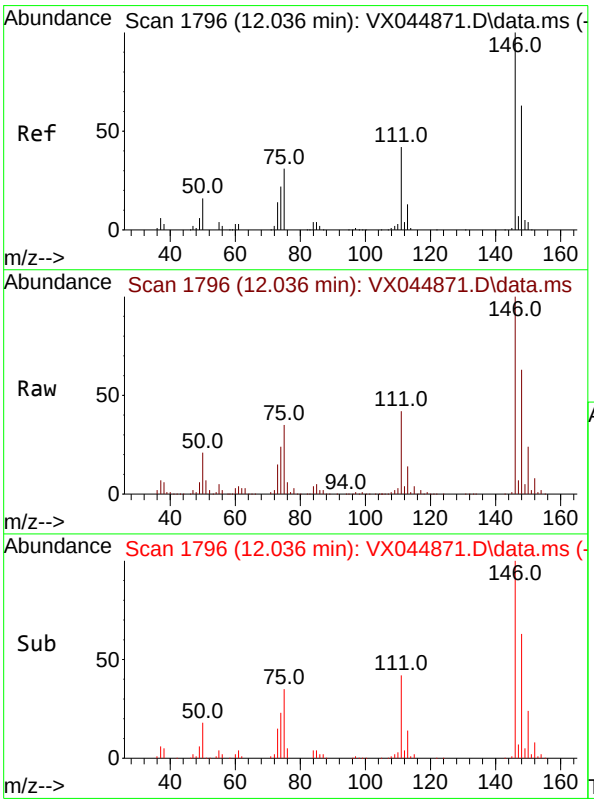
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	65.0	32.5	97.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

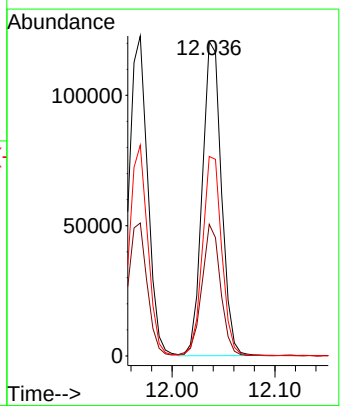
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

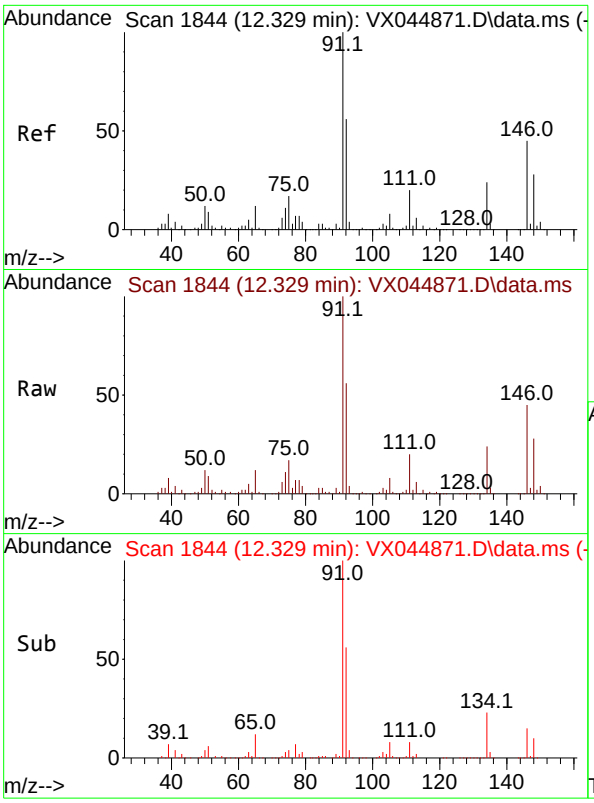


#88
1,4-Dichlorobenzene
Concen: 49.657 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 156162

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	64.0	32.0	96.0

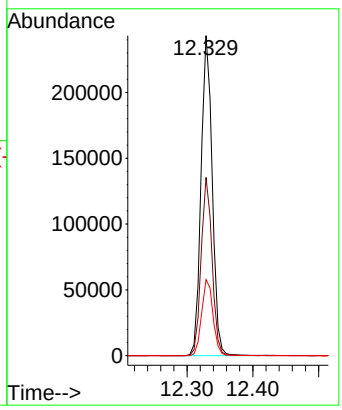




#89
n-Butylbenzene
Concen: 53.315 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 28764

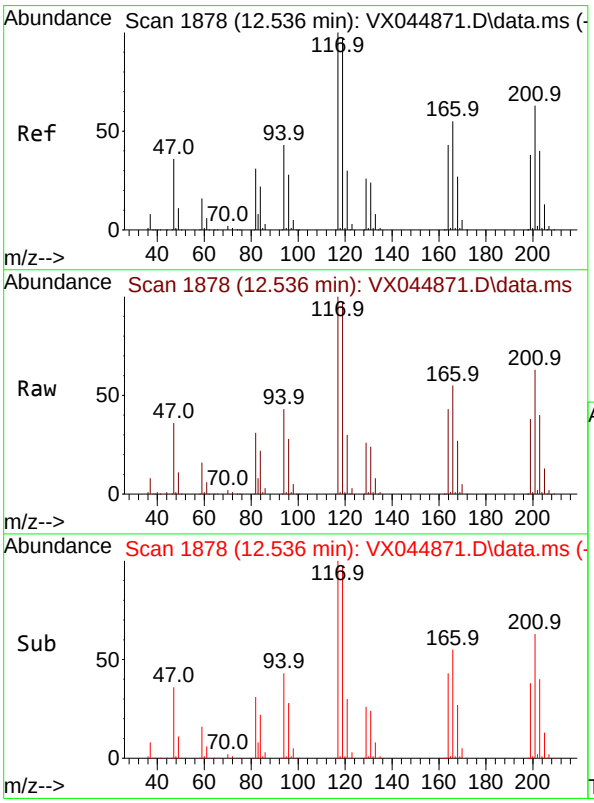
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.6
134	24.2	12.1	36.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

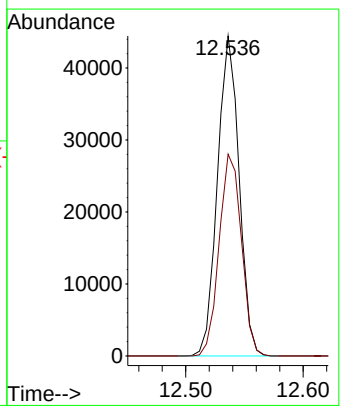
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

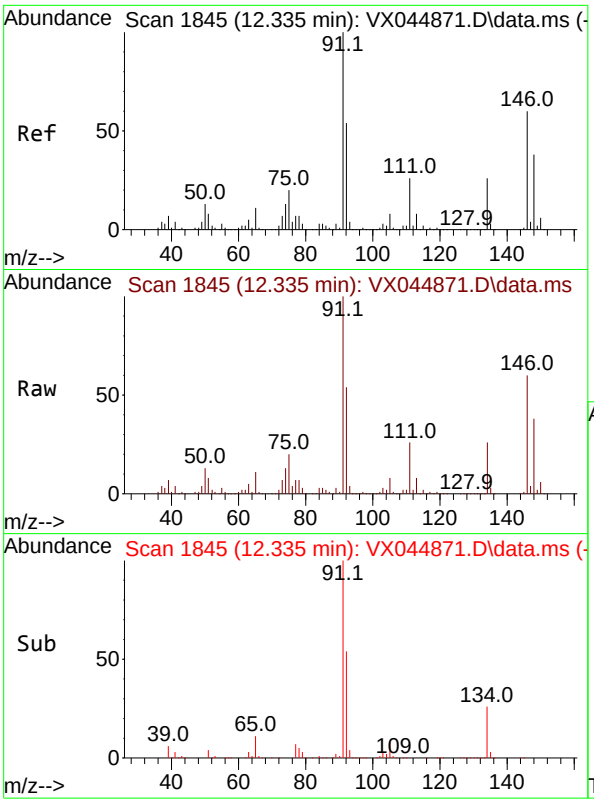


#90
Hexachloroethane
Concen: 49.874 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:117 Resp: 56951

Ion	Ratio	Lower	Upper
117	100		
201	65.0	32.5	97.5

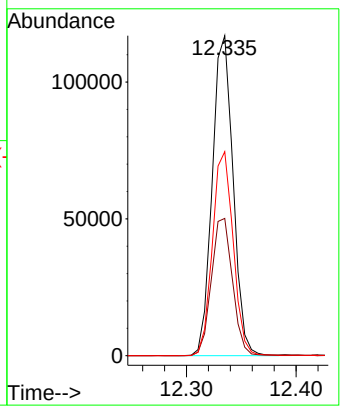




#91
1,2-Dichlorobenzene
Concen: 50.500 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 15436

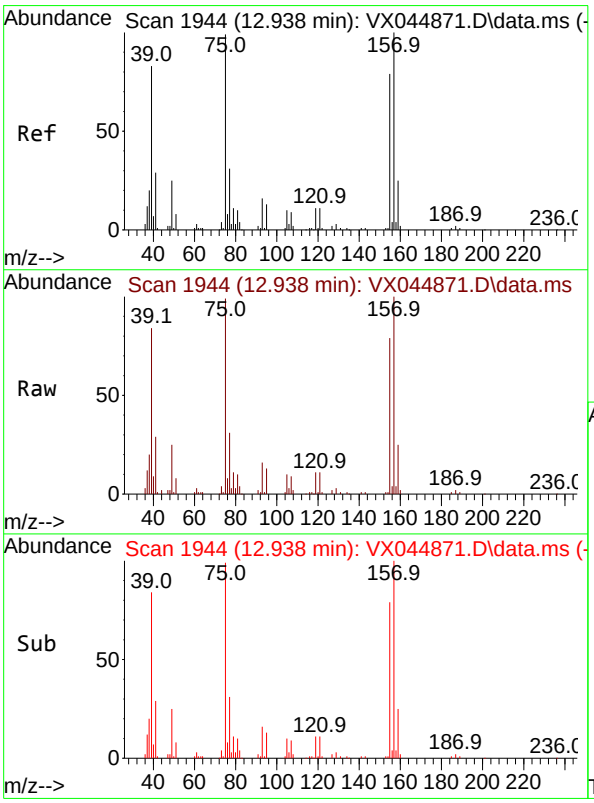
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

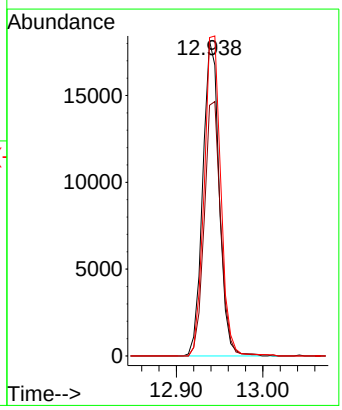
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

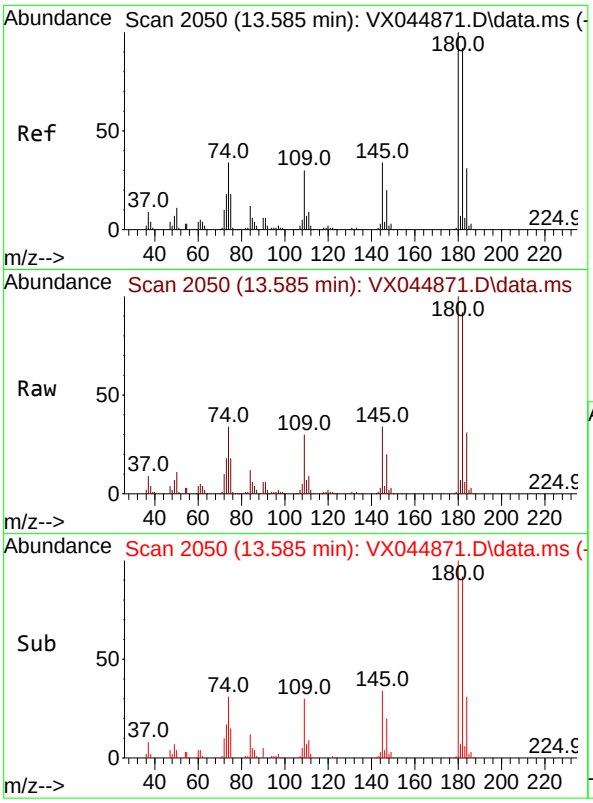


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.135 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 23924

Ion	Ratio	Lower	Upper
75	100		
155	80.9	40.5	121.4
157	102.9	51.4	154.3

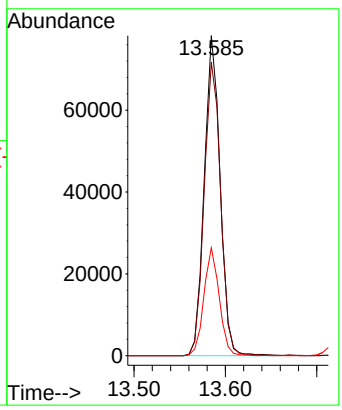




#93
1,2,4-Trichlorobenzene
Concen: 50.747 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:180 Resp: 9386

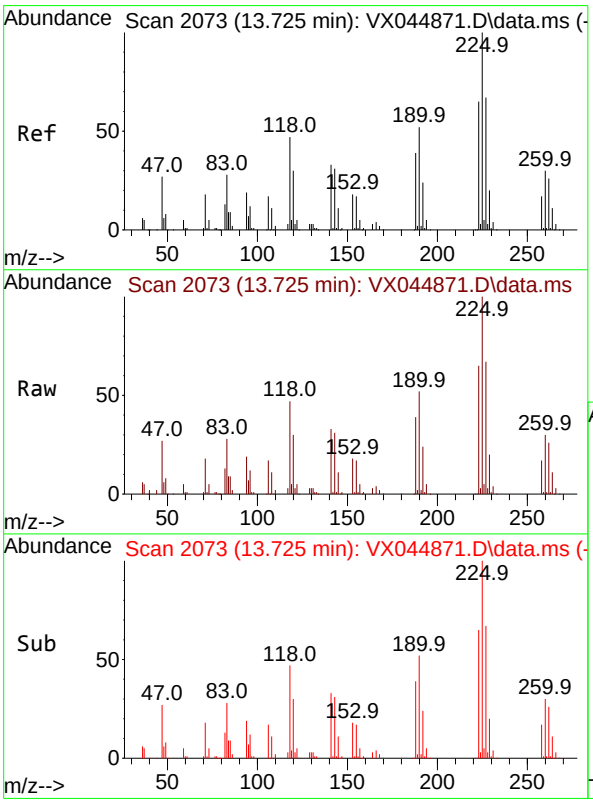
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	32.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

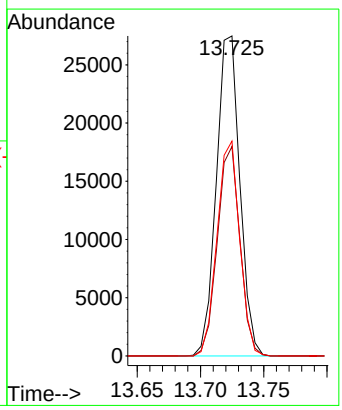
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

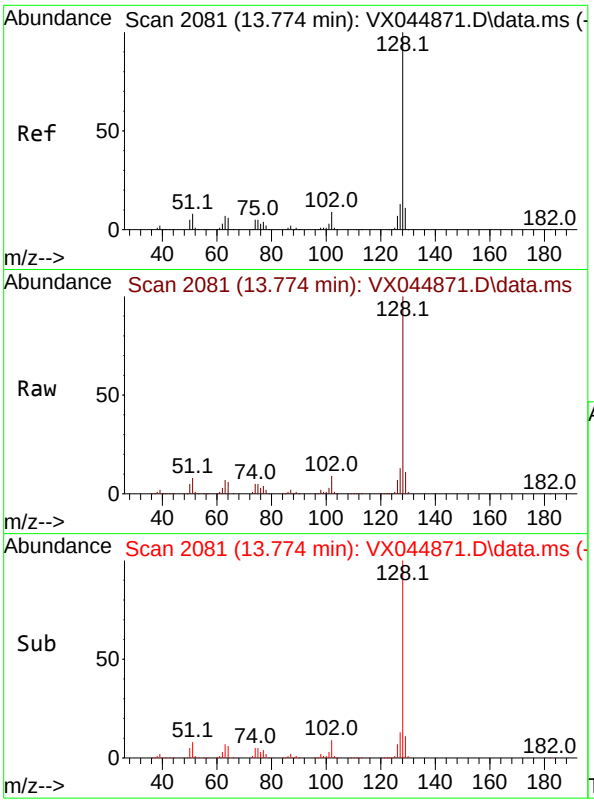


#94
Hexachlorobutadiene
Concen: 48.321 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:225 Resp: 35481

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	64.5	32.3	96.8

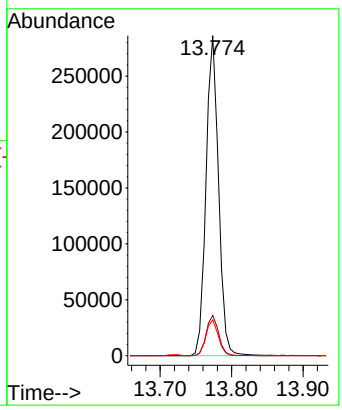




#95
Naphthalene
Concen: 51.995 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:128 Resp: 34764

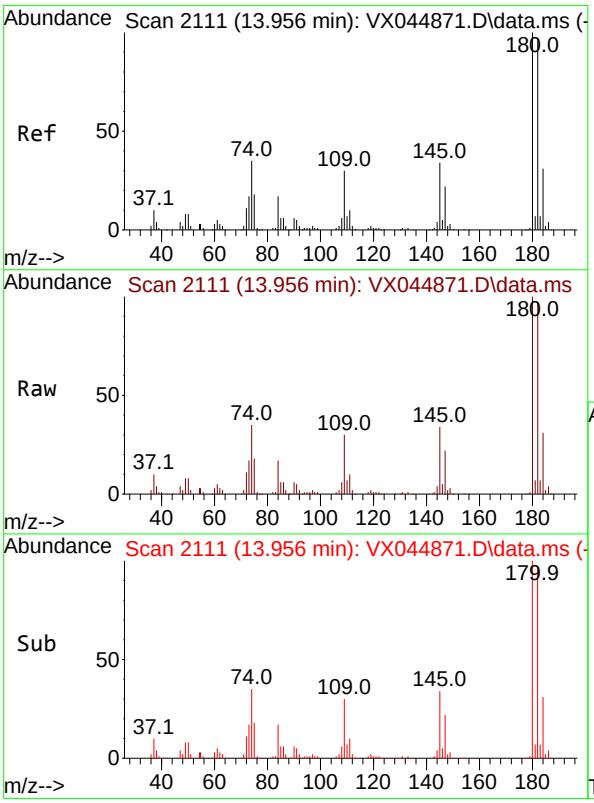
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.1	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

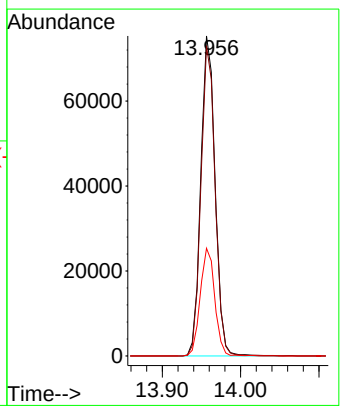
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.245 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:180 Resp: 95510

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	34.2	17.1	51.3



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	236372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	183093	96.580	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 193.160%#			
35) Dibromofluoromethane	5.373	113	151228	98.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 196.800%#			
50) Toluene-d8	8.647	98	570976	98.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 196.500%#			
62) 4-Bromofluorobenzene	11.079	95	196066	100.079	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.160%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	182788	100.632	ug/l	99
3) Chloromethane	1.301	50	208416	94.275	ug/l	99
4) Vinyl Chloride	1.374	62	209017	97.593	ug/l	100
5) Bromomethane	1.593	94	62797	97.984	ug/l	97
6) Chloroethane	1.660	64	64581	100.253	ug/l	98
7) Trichlorofluoromethane	1.868	101	262354	96.865	ug/l	99
8) Diethyl Ether	2.130	74	95914	97.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	163414	99.860	ug/l	100
10) Methyl Iodide	2.441	142	212118	100.016	ug/l	99
11) Tert butyl alcohol	3.002	59	165263	469.903	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	163593	98.004	ug/l	98
13) Acrolein	2.233	56	180570	497.628	ug/l	99
14) Allyl chloride	2.654	41	297526	98.624	ug/l	98
15) Acrylonitrile	3.063	53	466855	497.173	ug/l	99
16) Acetone	2.386	43	369720	485.125	ug/l	99
17) Carbon Disulfide	2.502	76	463308	101.216	ug/l	99
18) Methyl Acetate	2.703	43	238689	99.249	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	521003	98.098	ug/l	100
20) Methylene Chloride	2.782	84	180120	96.490	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	164067	99.864	ug/l	95
22) Diisopropyl ether	3.758	45	565927	99.157	ug/l	95
23) Vinyl Acetate	3.715	43	2387200	513.051	ug/l	100
24) 1,1-Dichloroethane	3.599	63	313164	98.064	ug/l	99
25) 2-Butanone	4.550	43	617283	498.801	ug/l	98
26) 2,2-Dichloropropane	4.465	77	248324	98.053	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	196381	99.513	ug/l	99
28) Bromochloromethane	4.885	49	148137	96.524	ug/l	100
29) Tetrahydrofuran	4.995	42	405208	493.104	ug/l	100
30) Chloroform	5.087	83	298690	96.445	ug/l	99
31) Cyclohexane	5.458	56	286830	97.426	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	254941	97.050	ug/l	100
36) 1,1-Dichloropropene	5.684	75	216005	97.422	ug/l	100
37) Ethyl Acetate	4.709	43	244164	99.005	ug/l	99
38) Carbon Tetrachloride	5.666	117	210381	96.828	ug/l	97
39) Methylcyclohexane	7.373	83	299703	104.554	ug/l	98
40) Benzene	6.025	78	675556	97.576	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	135629	102.745	ug/l		99
42) 1,2-Dichloroethane	6.080	62	218174	98.875	ug/l		100
43) Isopropyl Acetate	6.336	43	405489	101.818	ug/l		100
44) Trichloroethene	7.117	130	156832	99.103	ug/l		96
45) 1,2-Dichloropropane	7.422	63	170337	98.893	ug/l		97
46) Dibromomethane	7.574	93	119149	99.747	ug/l		100
47) Bromodichloromethane	7.818	83	236506	102.254	ug/l		97
48) Methyl methacrylate	7.690	41	195892	104.321	ug/l		100
49) 1,4-Dioxane	7.659	88	77816	1931.508	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1196887	494.353	ug/l		100
52) Toluene	8.714	92	409318	99.270	ug/l		99
53) t-1,3-Dichloropropene	8.970	75	249725	106.694	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	277371	106.287	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	156629	98.817	ug/l		100
56) Ethyl methacrylate	9.116	69	268693	104.958	ug/l		99
57) 1,3-Dichloropropane	9.305	76	273845	98.742	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	664198	528.405	ug/l		100
59) 2-Hexanone	9.427	43	871904	499.819	ug/l		99
60) Dibromochloromethane	9.519	129	173848	102.557	ug/l		100
61) 1,2-Dibromoethane	9.604	107	162982	101.451	ug/l		98
64) Tetrachloroethene	9.269	164	125294	97.447	ug/l		100
65) Chlorobenzene	10.073	112	436565	99.694	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	144793	102.728	ug/l		100
67) Ethyl Benzene	10.189	91	784184	101.477	ug/l		100
68) m/p-Xylenes	10.299	106	575559	201.907	ug/l		99
69) o-Xylene	10.640	106	281830	98.530	ug/l		100
70) Styrene	10.653	104	473403	102.728	ug/l		99
71) Bromoform	10.799	173	112371	106.827	ug/l	#	99
73) Isopropylbenzene	10.957	105	719923	97.854	ug/l		99
74) N-amyl acetate	10.842	43	345193	103.687	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	238529	94.351	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	198320m	97.896	ug/l		
77) Bromobenzene	11.195	156	163845	98.230	ug/l		100
78) n-propylbenzene	11.299	91	858793	101.132	ug/l		100
79) 2-Chlorotoluene	11.360	91	497149	95.257	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	584885	97.966	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	83483	106.006	ug/l		98
82) 4-Chlorotoluene	11.451	91	569510	98.634	ug/l		100
83) tert-Butylbenzene	11.713	119	591396	97.917	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	588385	99.851	ug/l		99
85) sec-Butylbenzene	11.890	105	749534	100.219	ug/l		99
86) p-Isopropyltoluene	12.006	119	607577	101.019	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	303851	99.061	ug/l		98
88) 1,4-Dichlorobenzene	12.037	146	303417	97.830	ug/l		99
89) n-Butylbenzene	12.329	91	583634	109.686	ug/l		100
90) Hexachloroethane	12.536	117	117533	104.365	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	293151	97.244	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47745	103.477	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	193214	105.921	ug/l		99
94) Hexachlorobutadiene	13.725	225	74605	103.024	ug/l		99
95) Naphthalene	13.774	128	689104	104.505	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	190534	103.659	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
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Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
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ClientSampleId :
VSTDICC100

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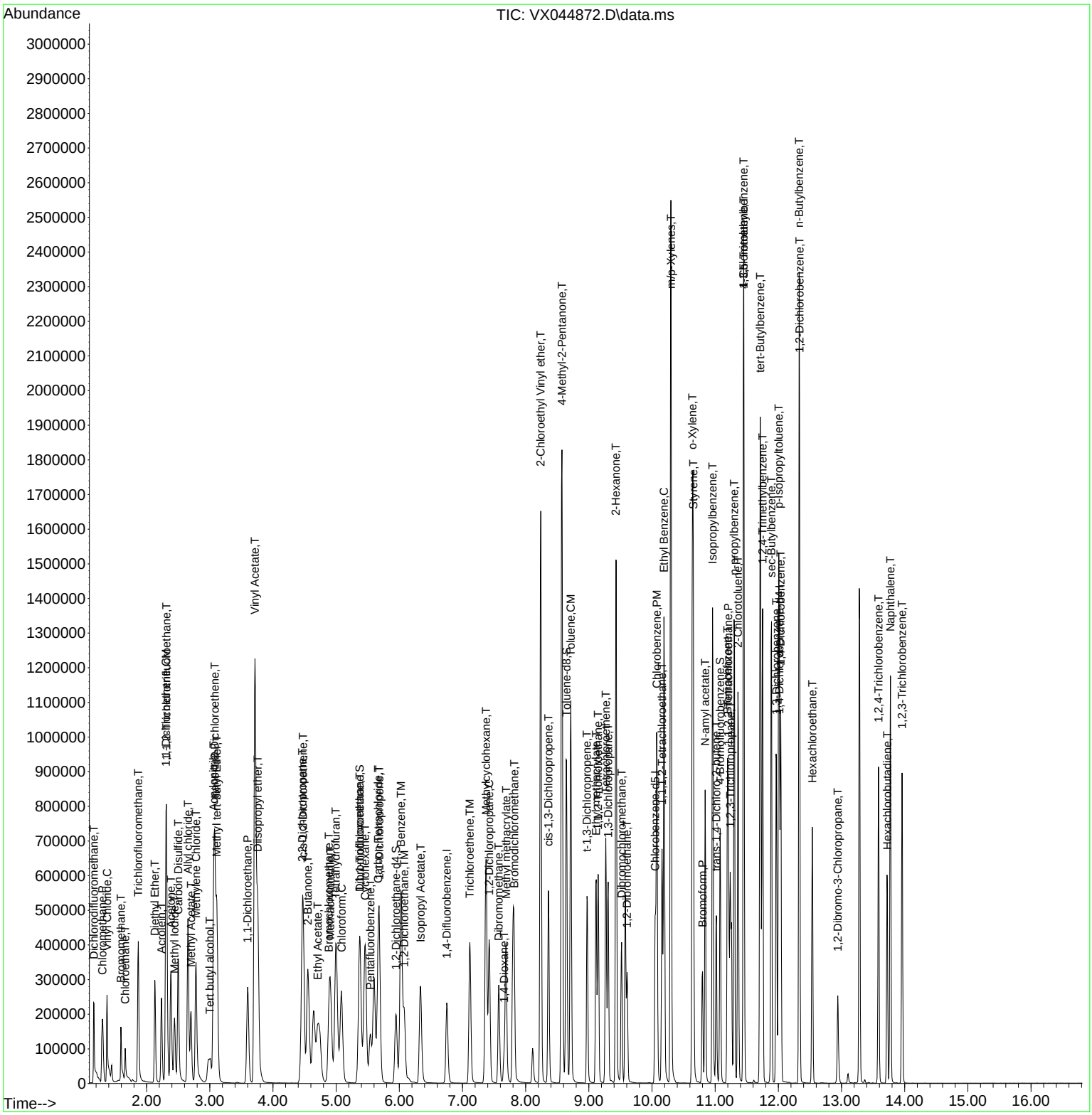
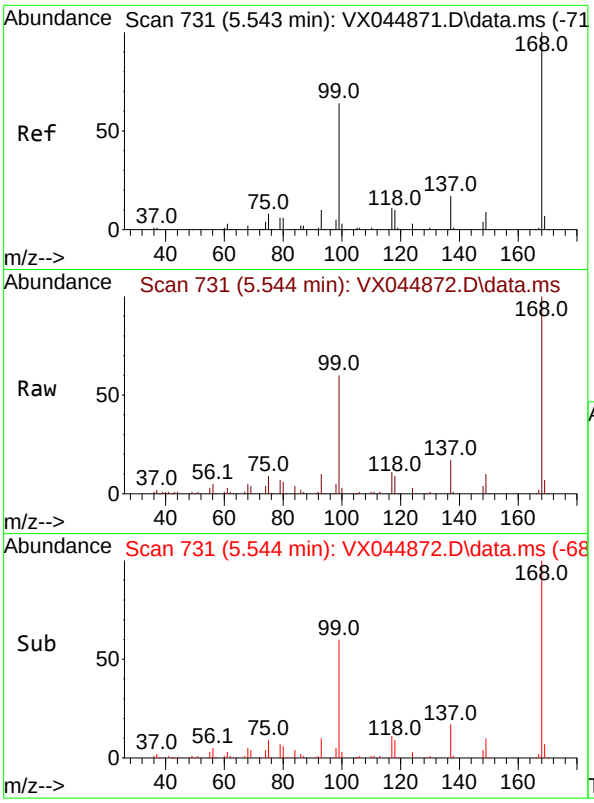
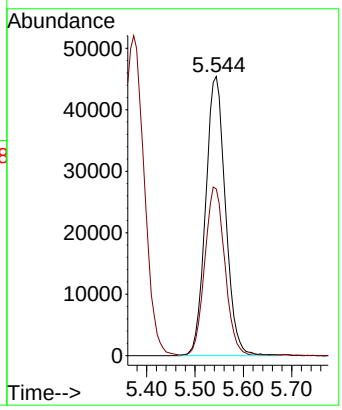




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:168 Resp: 12950

Ion	Ratio	Lower	Upper
168	100		
99	59.4	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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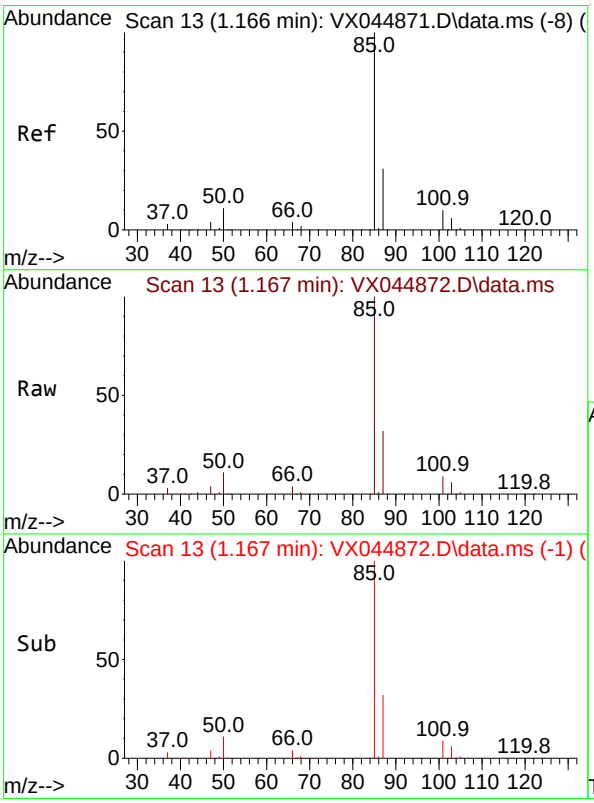
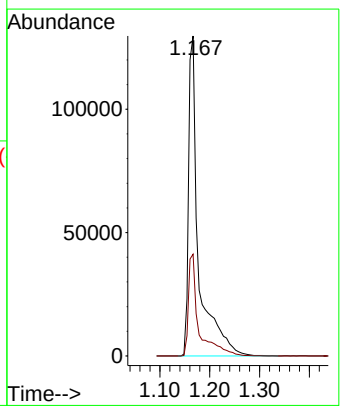
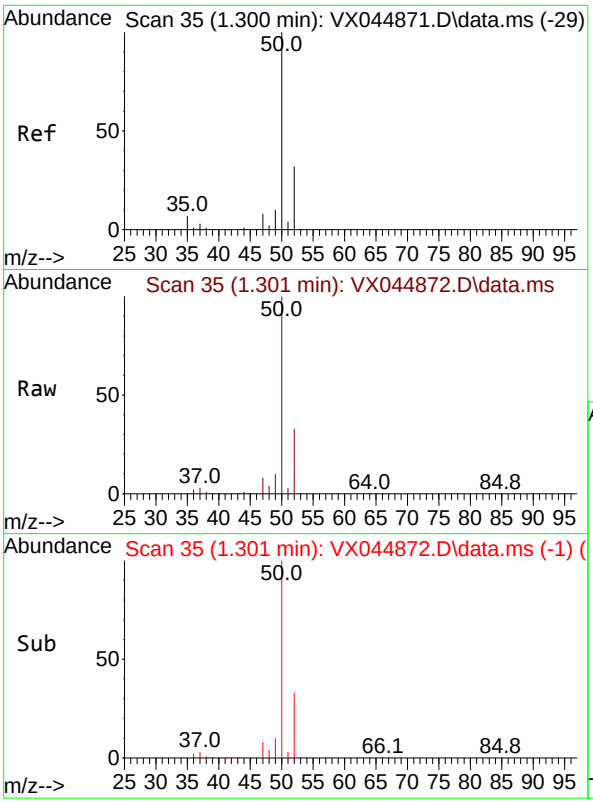


#2
Dichlorodifluoromethane
Concen: 100.632 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 85 Resp: 182788

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3

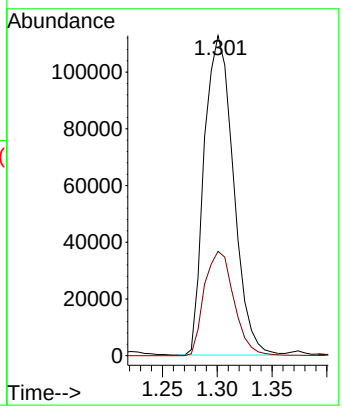




#3
Chloromethane
Concen: 94.275 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 50 Resp: 20841

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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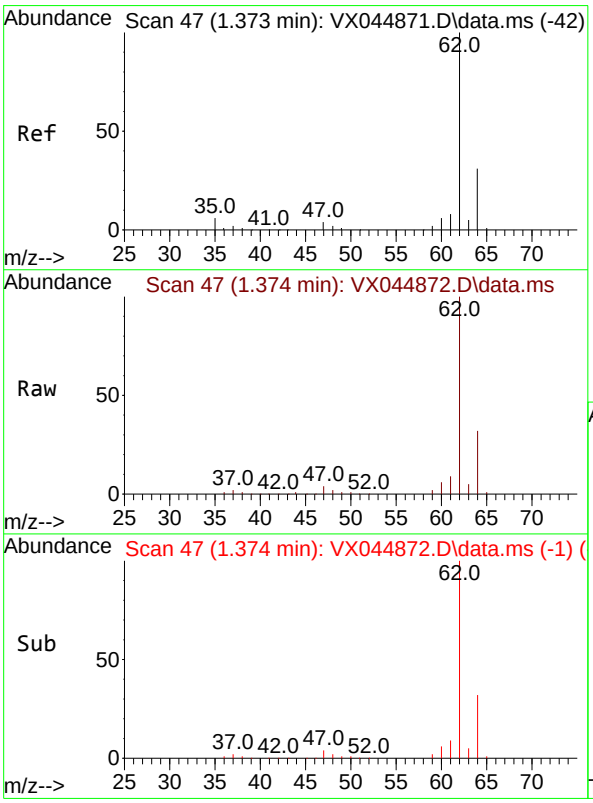
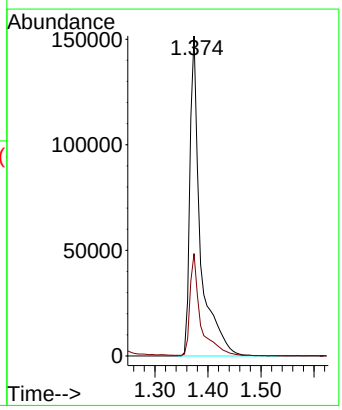
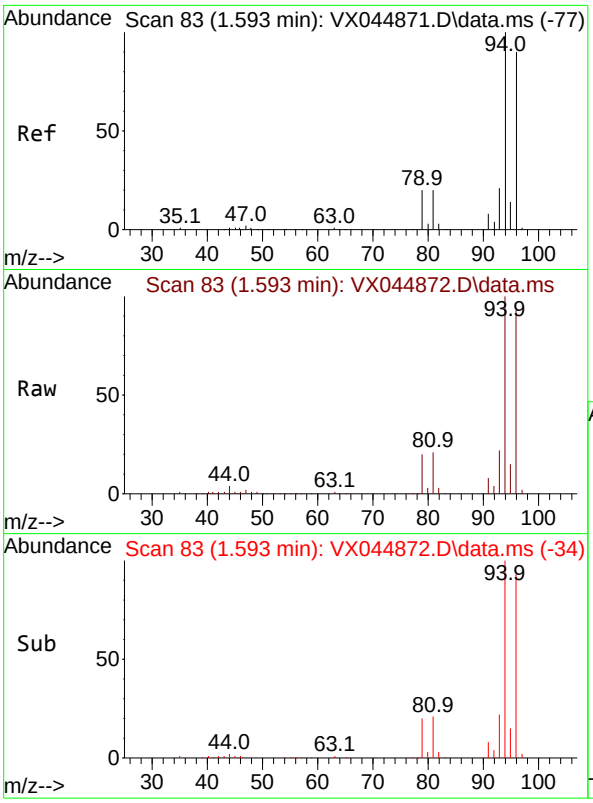


#4
Vinyl Chloride
Concen: 97.593 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 209017

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.4	38.0

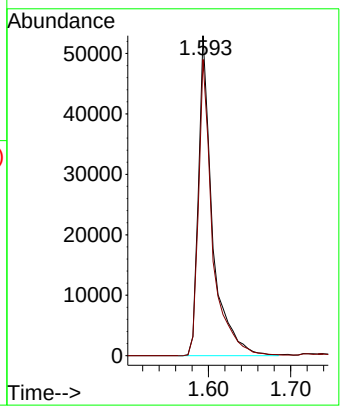




#5
Bromomethane
Concen: 97.984 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 94 Resp: 6279

Ion	Ratio	Lower	Upper
94	100		
96	92.6	71.6	107.4



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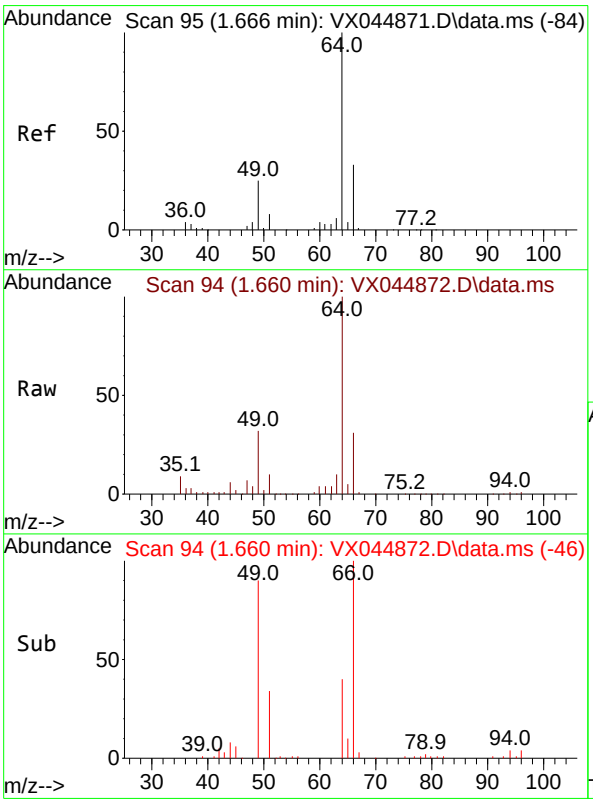
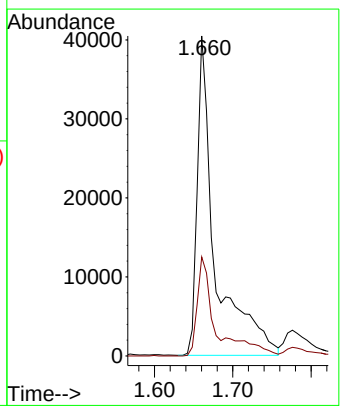
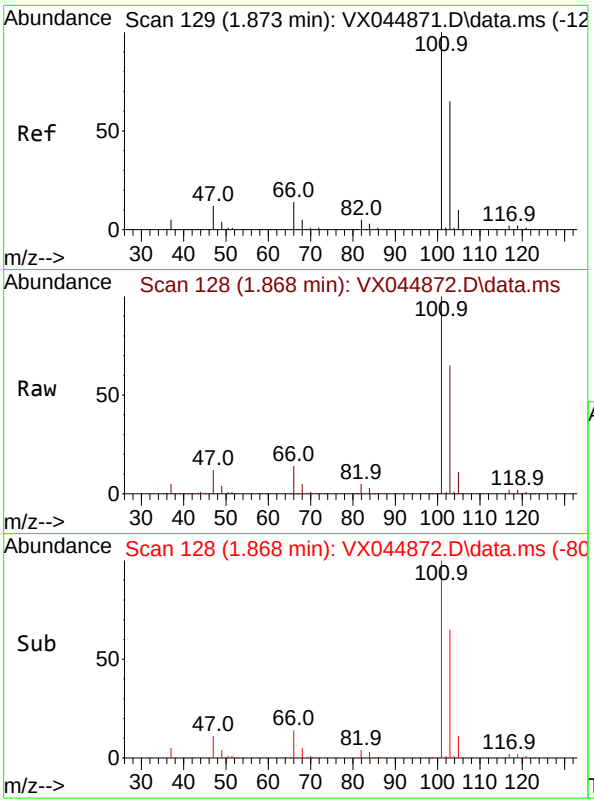


#6
Chloroethane
Concen: 100.253 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 64 Resp: 64581

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.9	38.9

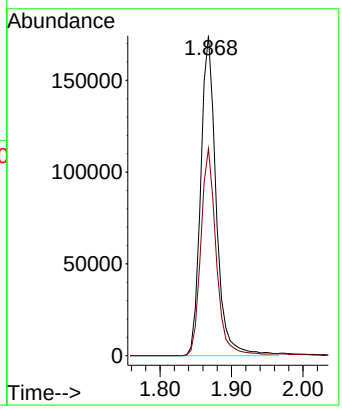




#7
Trichlorofluoromethane
Concen: 96.865 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:101 Resp: 26235

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.4	78.6



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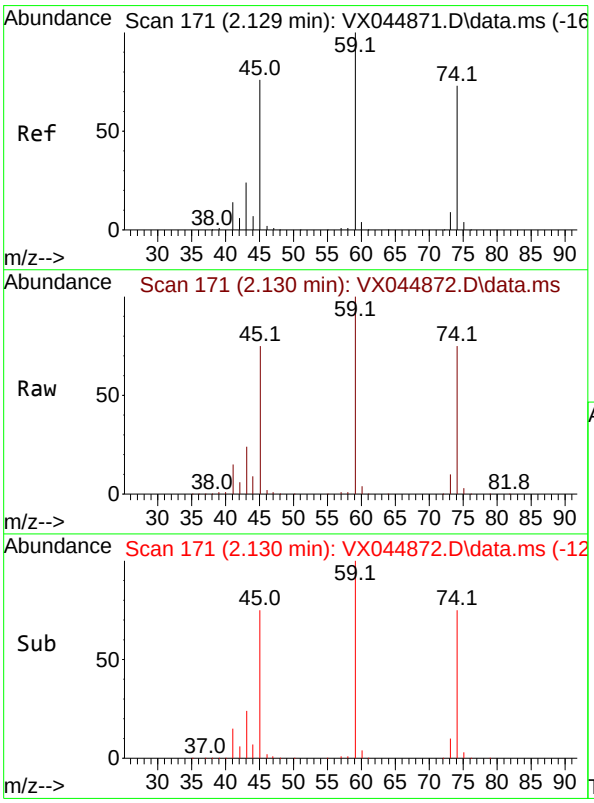
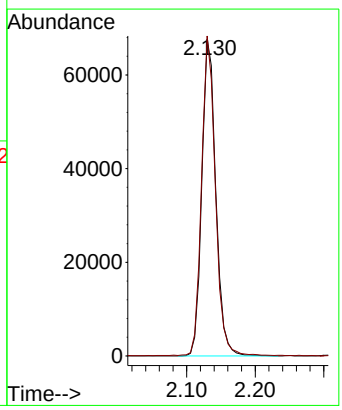
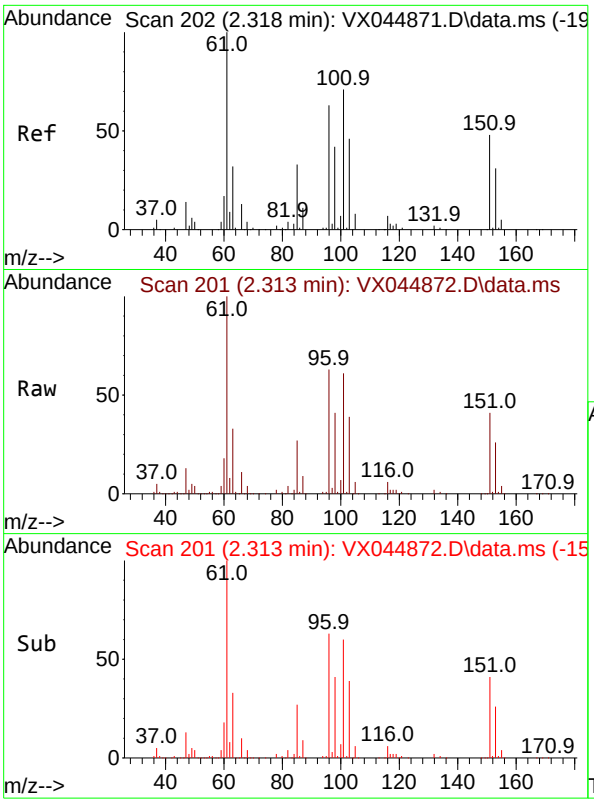


#8
Diethyl Ether
Concen: 97.647 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 74 Resp: 95914

Ion	Ratio	Lower	Upper
74	100		
45	99.5	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.860 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:101 Resp: 16341

Ion	Ratio	Lower	Upper
101	100		
85	44.3	35.7	53.5
151	69.8	56.0	84.0

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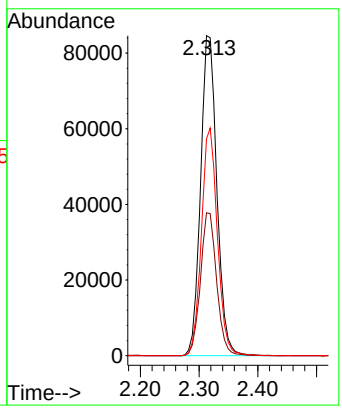
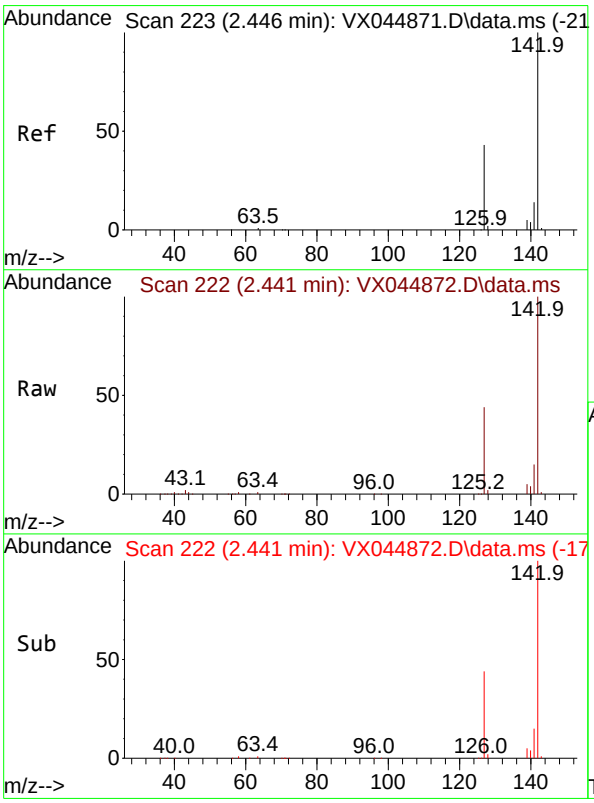
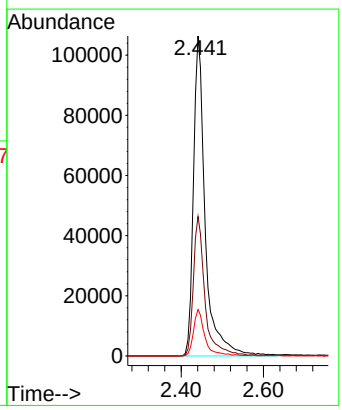


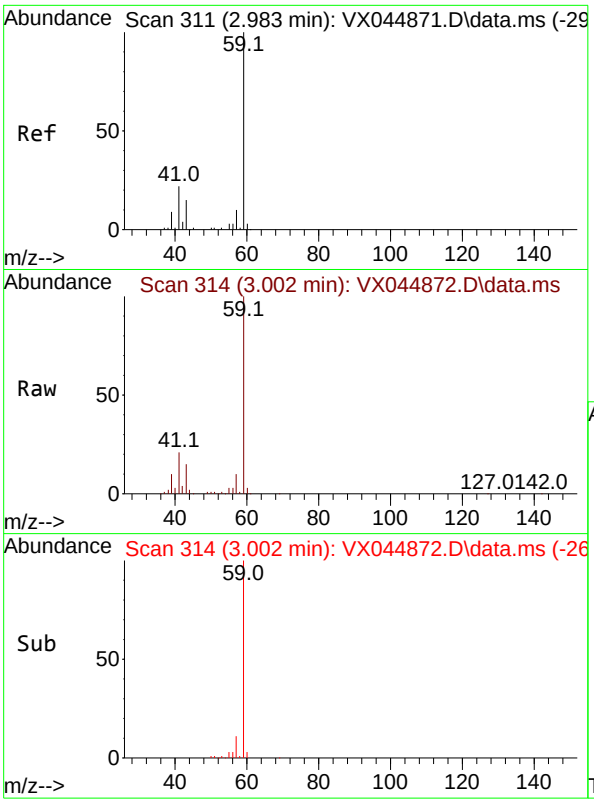


#10
Methyl Iodide
Concen: 100.016 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:142 Resp: 212118

Ion	Ratio	Lower	Upper
142	100		
127	42.5	34.3	51.5
141	14.1	11.4	17.2

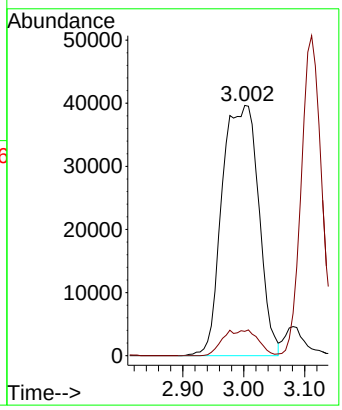




#11
Tert butyl alcohol
Concen: 469.903 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.019 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 59 Resp: 16526

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#



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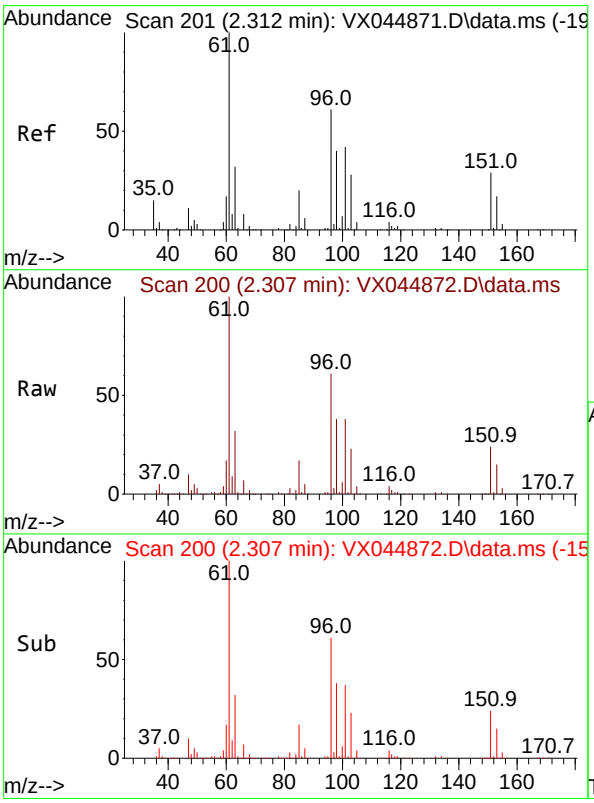
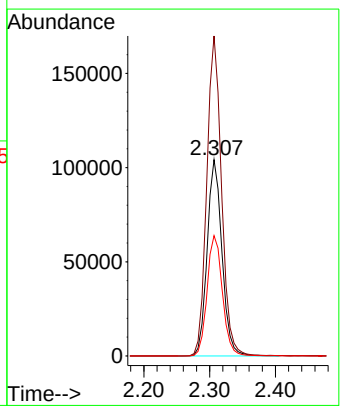
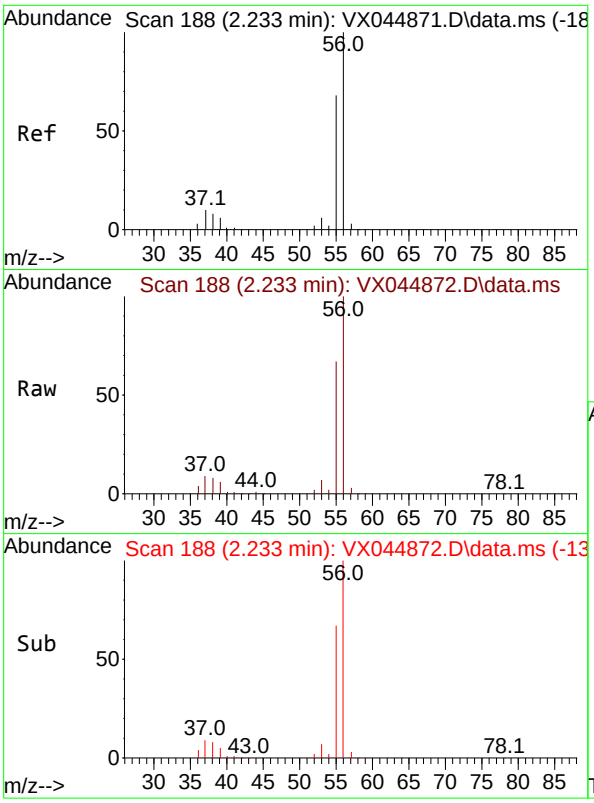


#12
1,1-Dichloroethene
Concen: 98.004 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 96 Resp: 163593

Ion	Ratio	Lower	Upper
96	100		
61	162.9	130.2	195.4
98	61.3	52.2	78.4

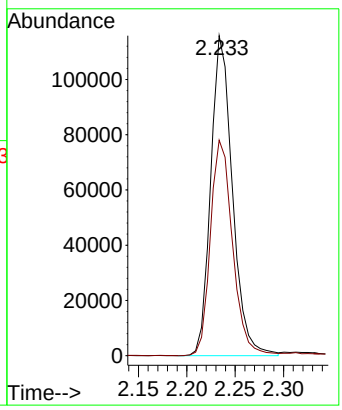




#13
Acrolein
Concen: 497.628 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 56 Resp: 18057

Ion	Ratio	Lower	Upper
56	100		
55	68.9	55.7	83.5



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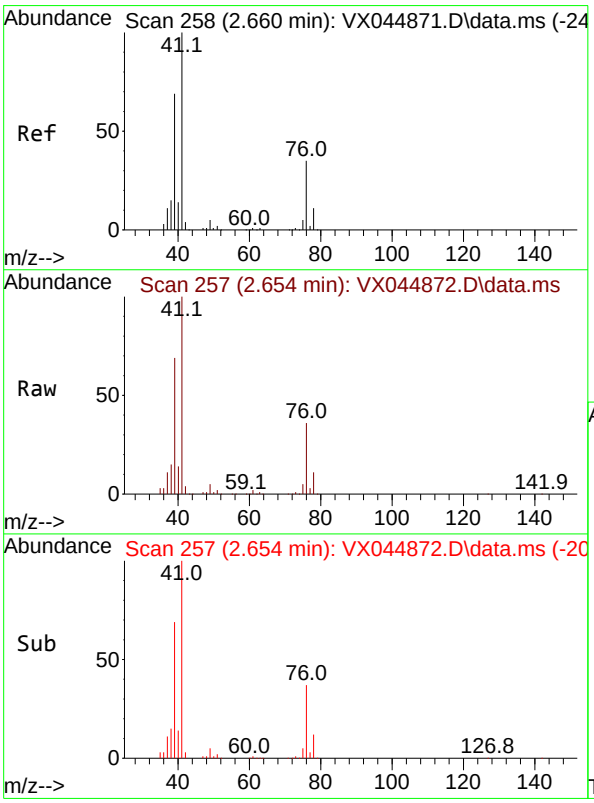
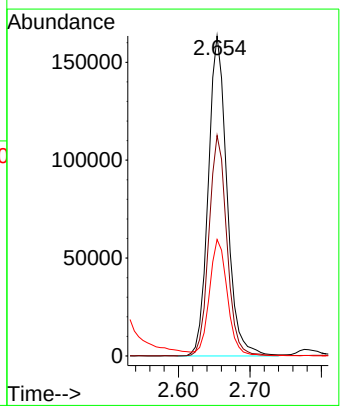
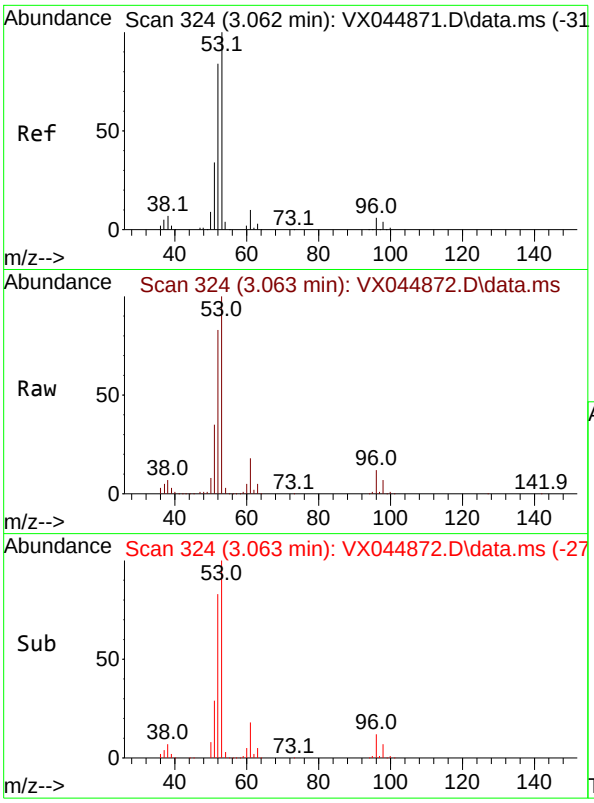


#14
Allyl chloride
Concen: 98.624 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 297526

Ion	Ratio	Lower	Upper
41	100		
39	65.6	51.4	77.2
76	34.9	27.0	40.4

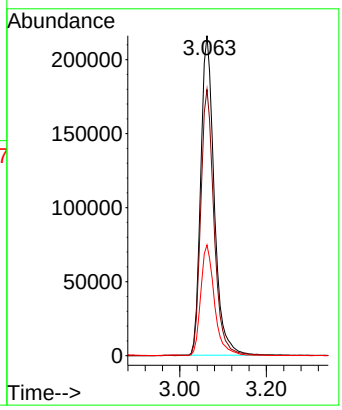




#15
Acrylonitrile
Concen: 497.173 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 53 Resp: 46685

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.0	97.6
51	34.9	28.0	42.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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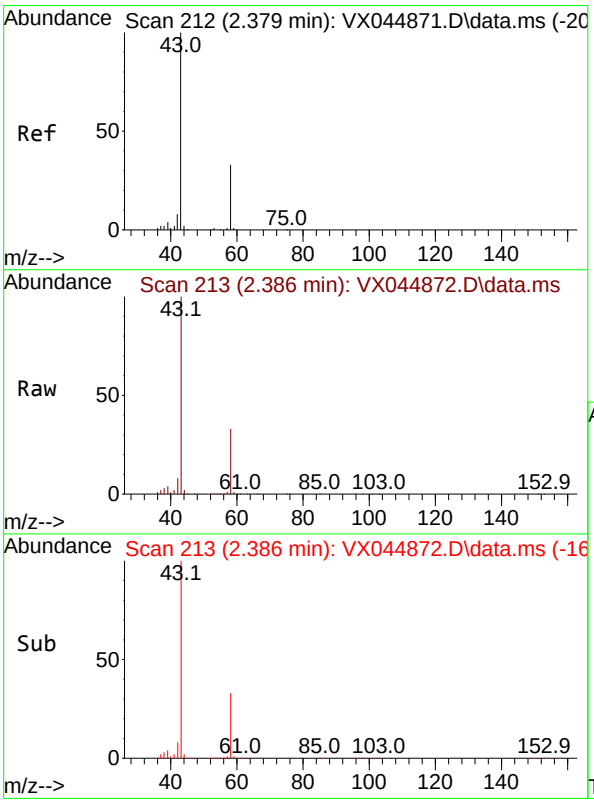
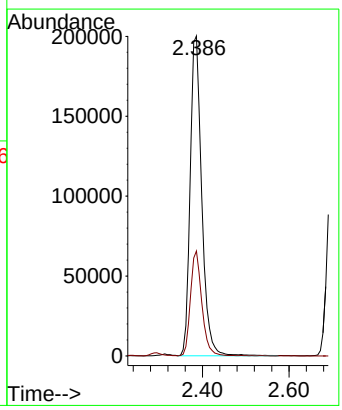
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

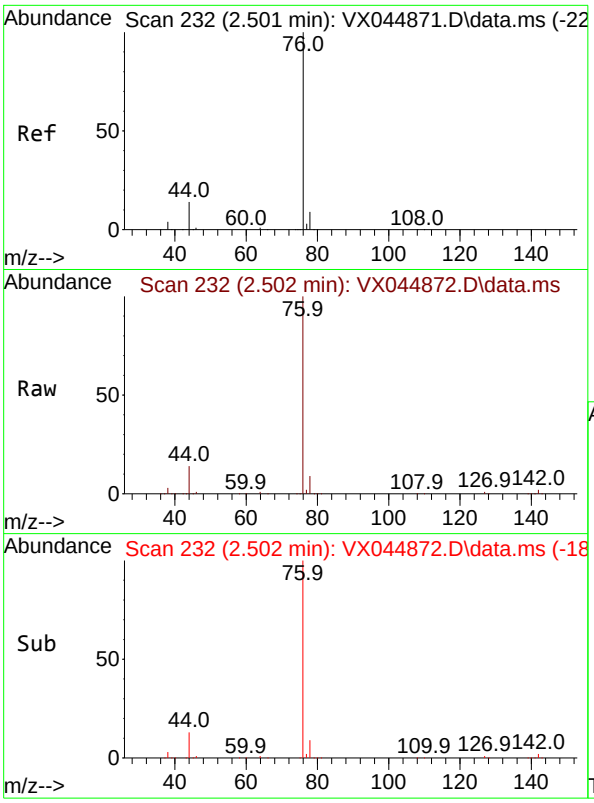


#16
Acetone
Concen: 485.125 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 369720

Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.5	39.7





#17
Carbon Disulfide
Concen: 101.216 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 76 Resp: 46330

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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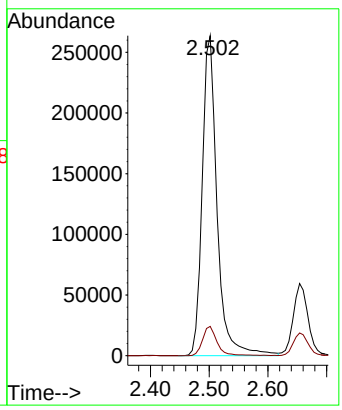
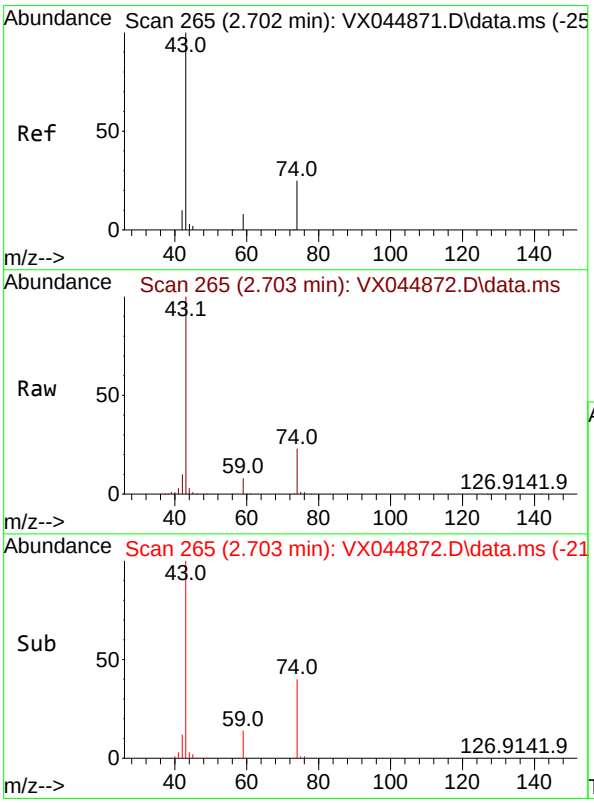
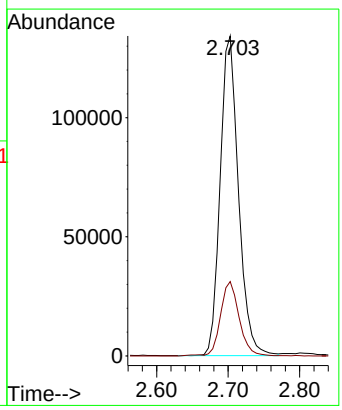


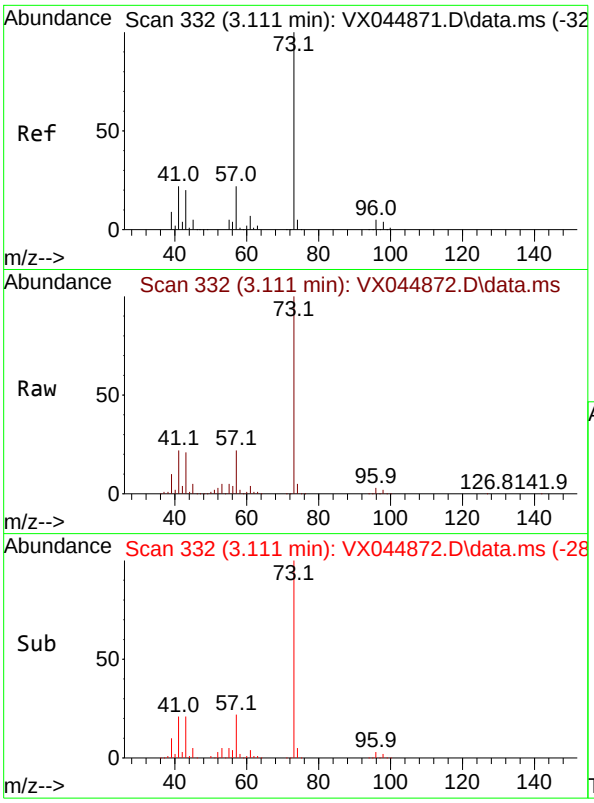


#18
Methyl Acetate
Concen: 99.249 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 238689

Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3

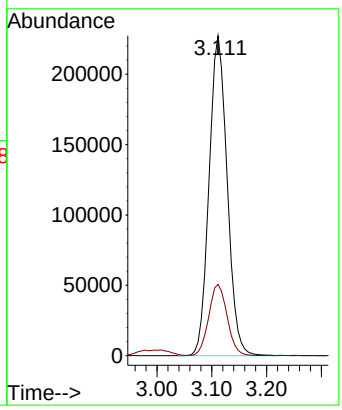




#19
Methyl tert-butyl Ether
Concen: 98.098 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 73 Resp: 52100

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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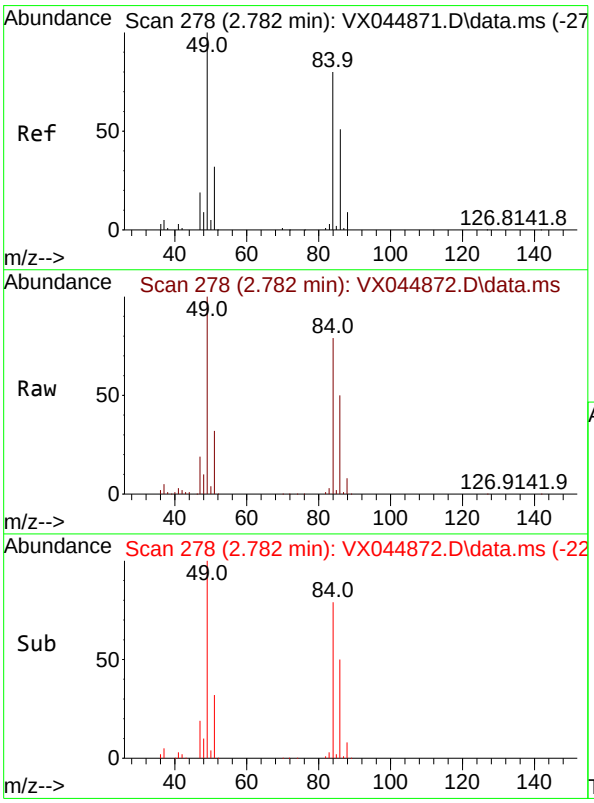
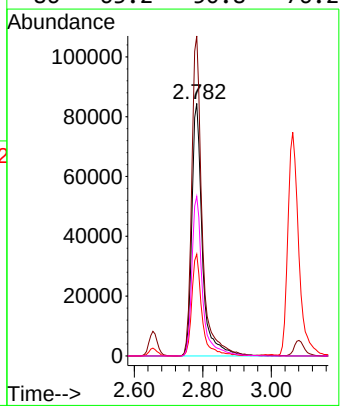
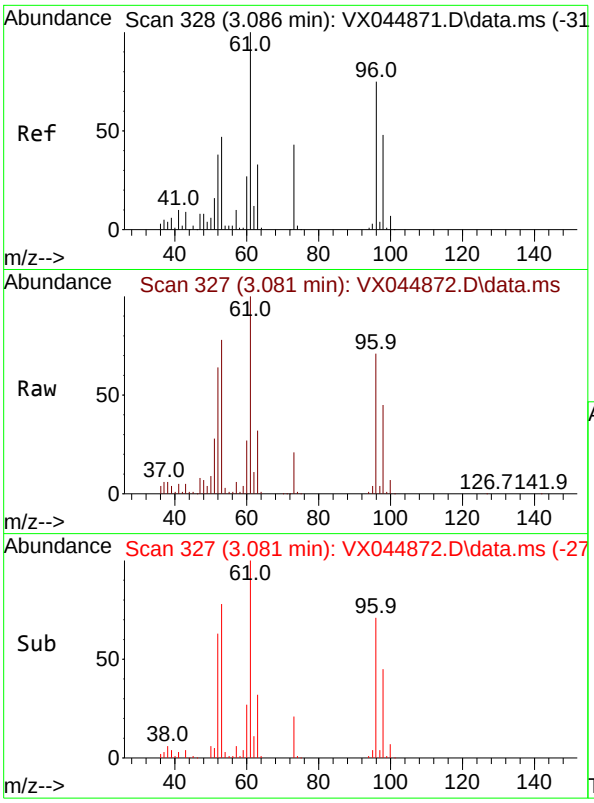


#20
Methylene Chloride
Concen: 96.490 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 84 Resp: 180120

Ion	Ratio	Lower	Upper
84	100		
49	126.7	100.1	150.1
51	40.3	31.7	47.5
86	63.2	50.8	76.2

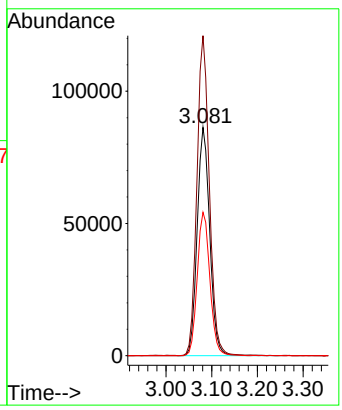




#21
trans-1,2-Dichloroethene
Concen: 99.864 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 96 Resp: 16406

Ion	Ratio	Lower	Upper
96	100		
61	140.2	106.0	159.0
98	62.8	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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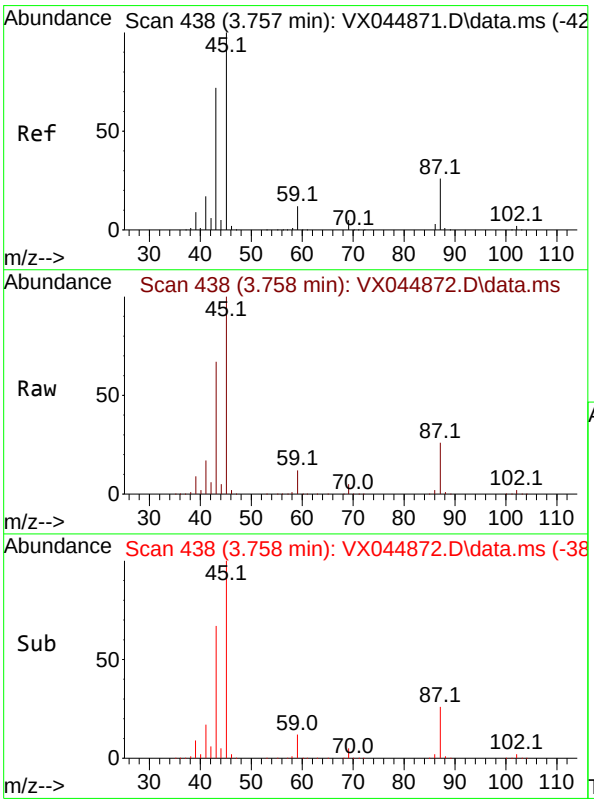
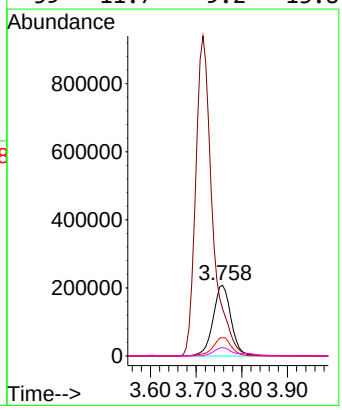
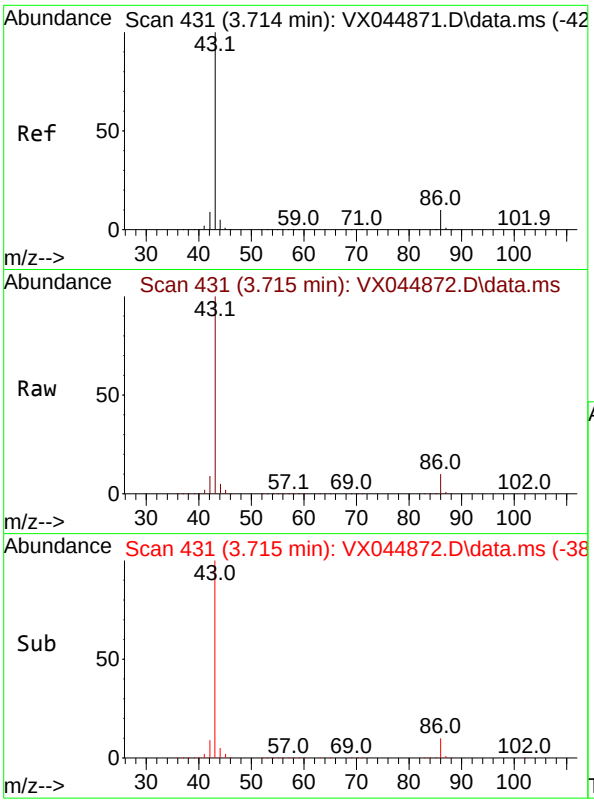


#22
Diisopropyl ether
Concen: 99.157 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 45 Resp: 565927

Ion	Ratio	Lower	Upper
45	100		
43	66.7	58.0	87.0
87	25.7	20.7	31.1
59	11.7	9.2	13.8

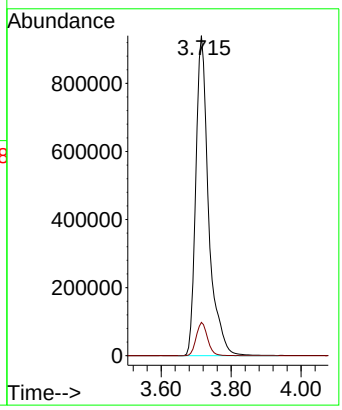




#23
Vinyl Acetate
Concen: 513.051 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 238720

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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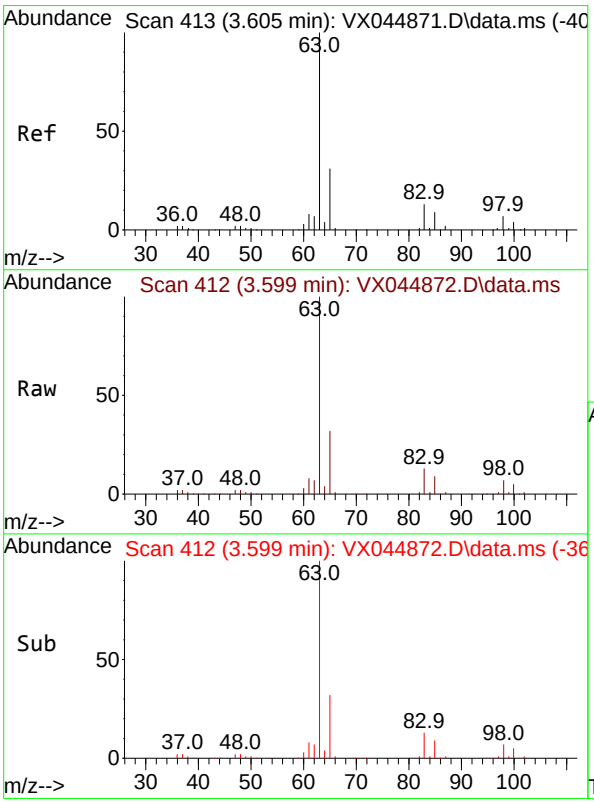
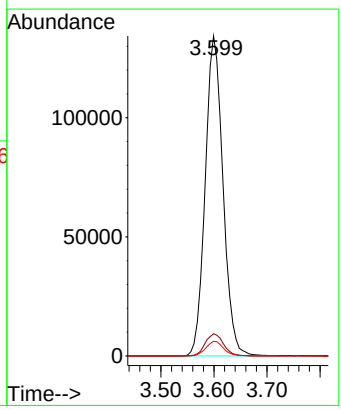
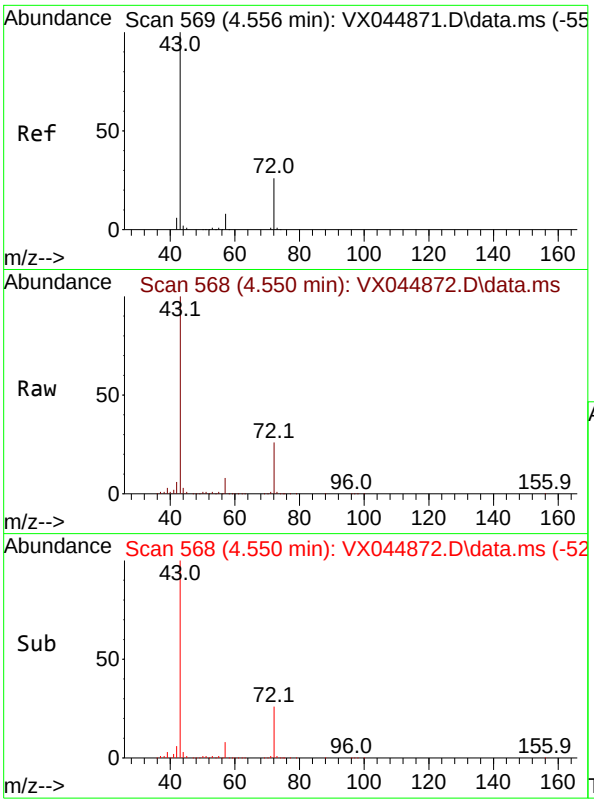


#24
1,1-Dichloroethane
Concen: 98.064 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 313164

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.9
100	4.5	2.1	6.5





#25
2-Butanone
Concen: 498.801 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 61728

Ion	Ratio	Lower	Upper
43	100		
72	25.4	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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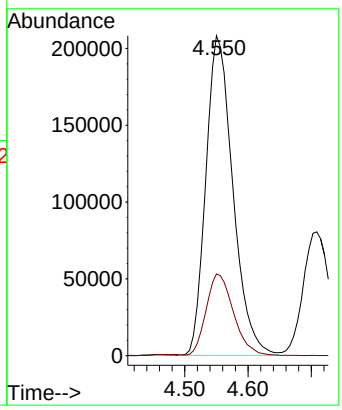
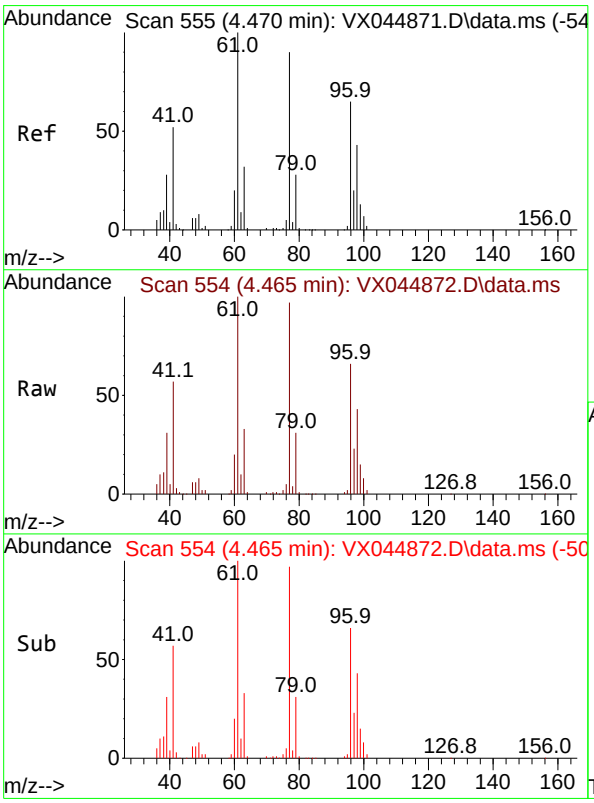
Supervised By :Mahesh Dadoda 02/11/2025

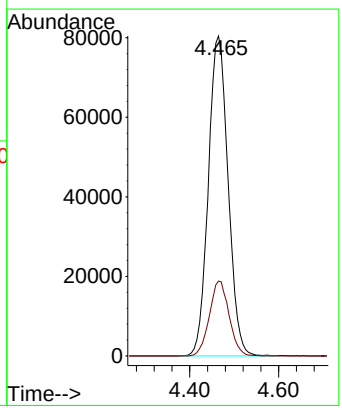


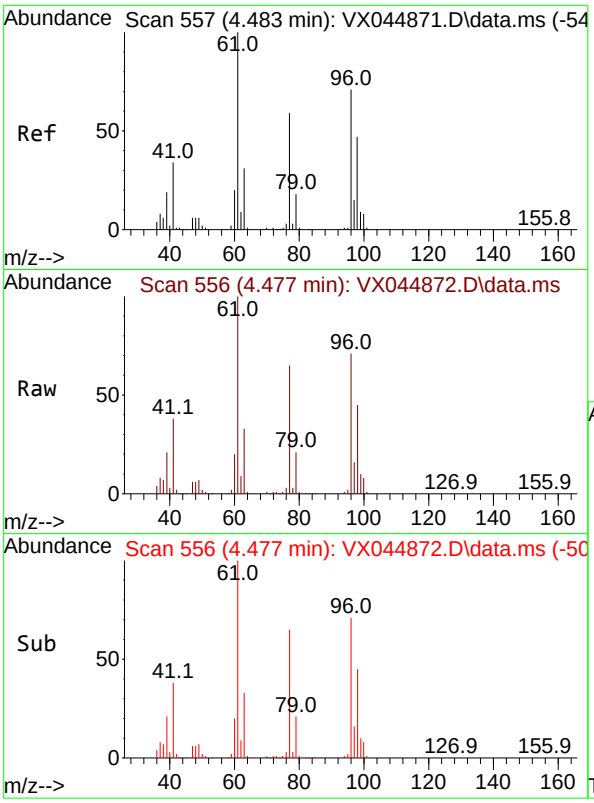


#26
2,2-Dichloropropane
Concen: 98.053 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 77 Resp: 248324

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.8	35.3

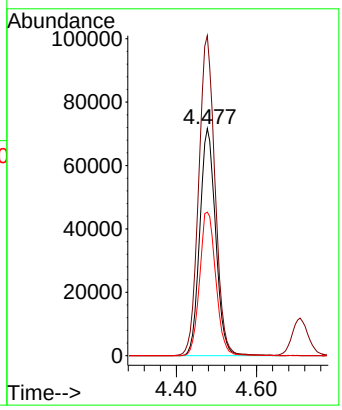




#27
cis-1,2-Dichloroethene
Concen: 99.513 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 96 Resp: 19638

Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	294.0
98	64.6	0.0	131.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
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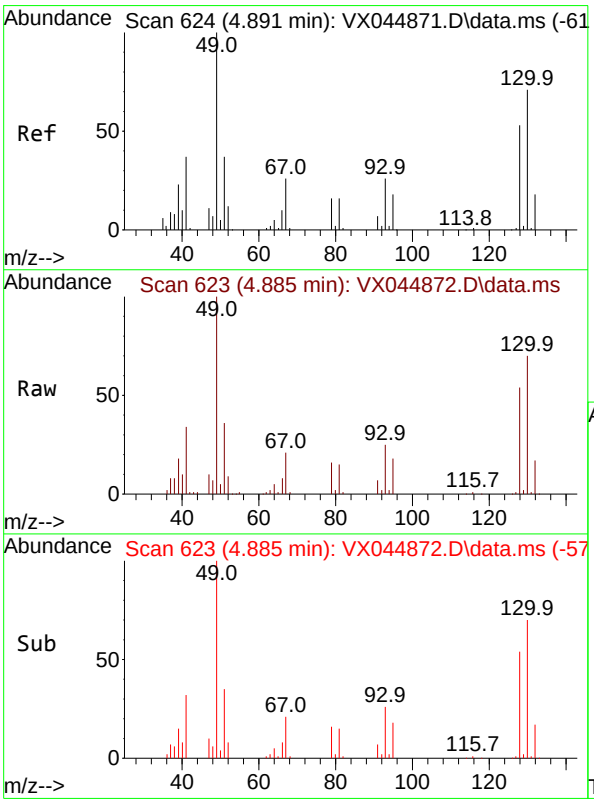
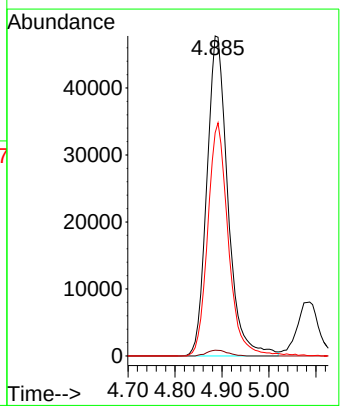
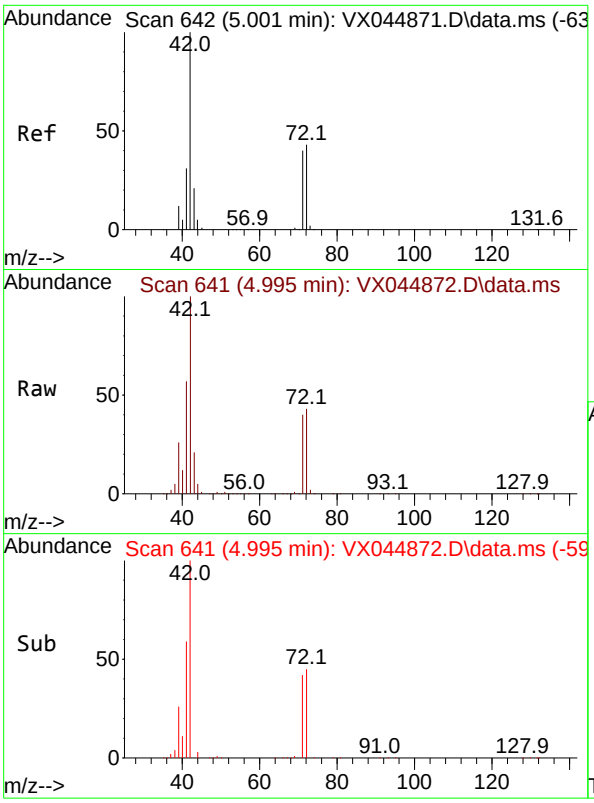


#28
Bromochloromethane
Concen: 96.524 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 49 Resp: 148137

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	71.1	56.7	85.1





#29
Tetrahydrofuran
Concen: 493.104 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 42 Resp: 40520

Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.0	52.4
71	40.8	32.6	48.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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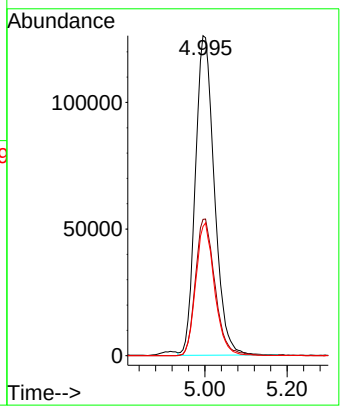
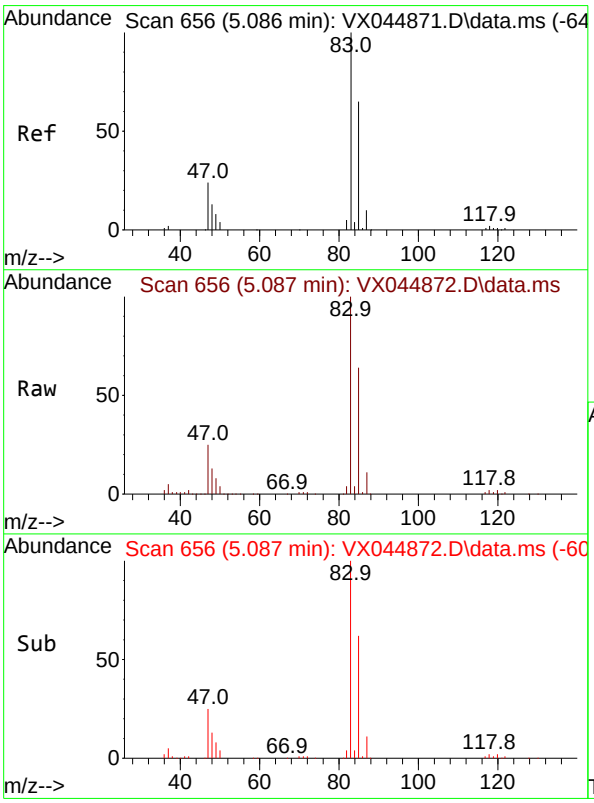
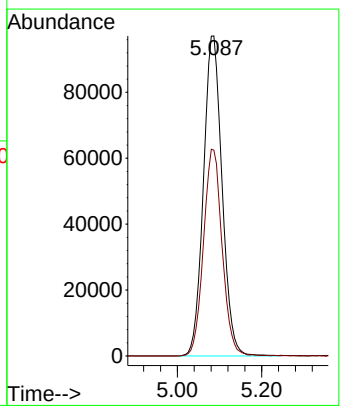


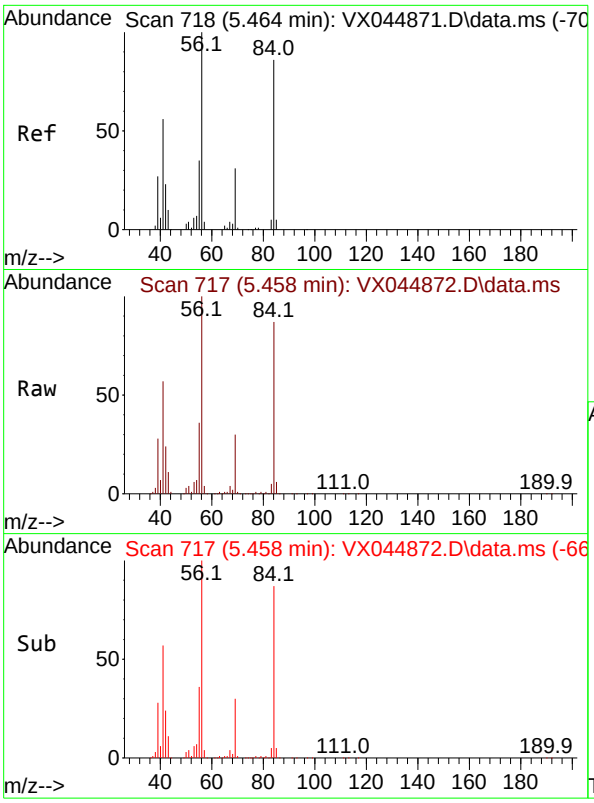


#30
Chloroform
Concen: 96.445 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 83 Resp: 298690

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1





#31
Cyclohexane
Concen: 97.426 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 56 Resp: 28683

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.4	36.6
84	85.7	69.0	103.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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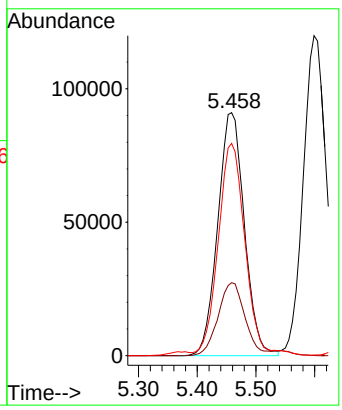
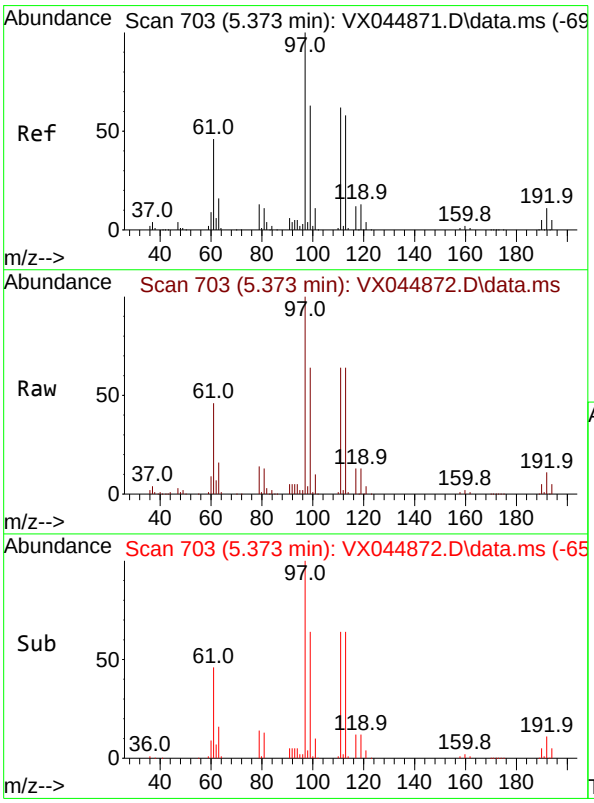
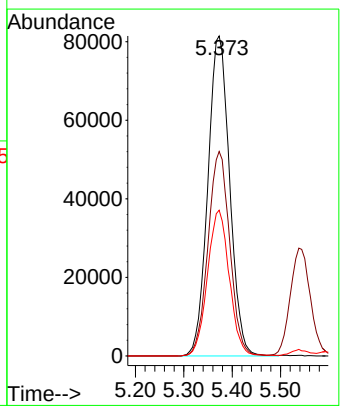


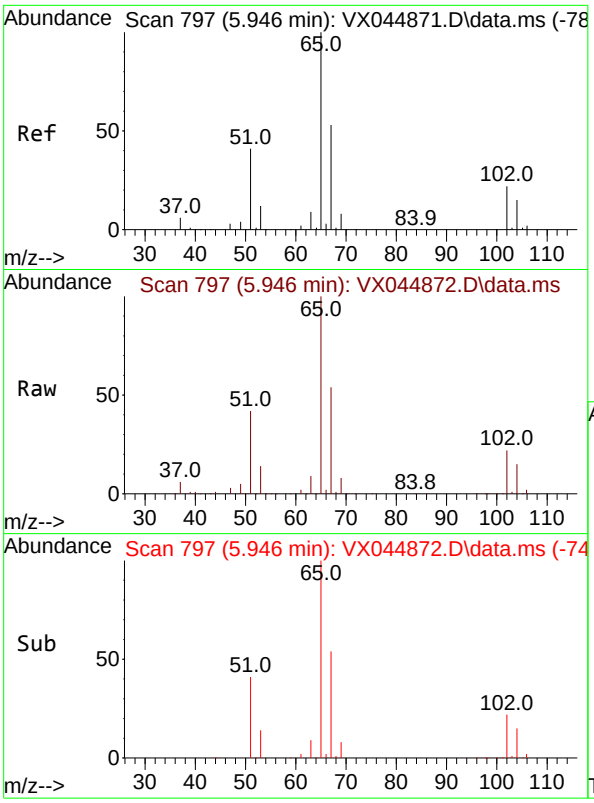


#32
1,1,1-Trichloroethane
Concen: 97.050 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 97 Resp: 254941

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.8	36.6	55.0

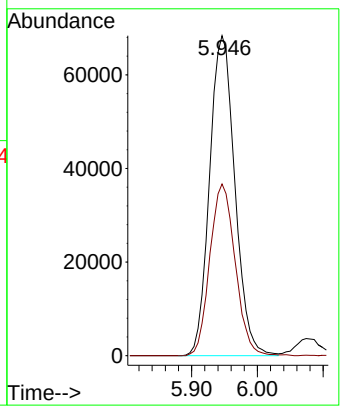




#33
1,2-Dichloroethane-d4
Concen: 96.580 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 65 Resp: 18309

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	108.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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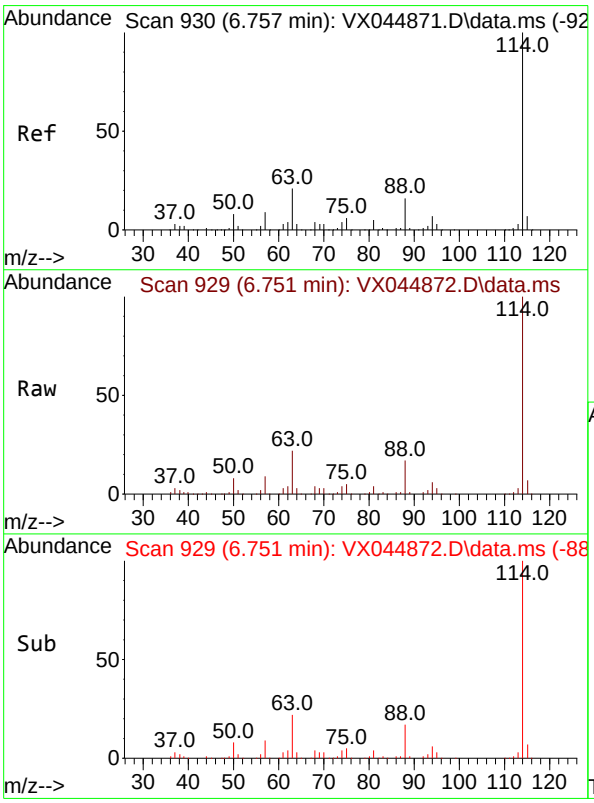
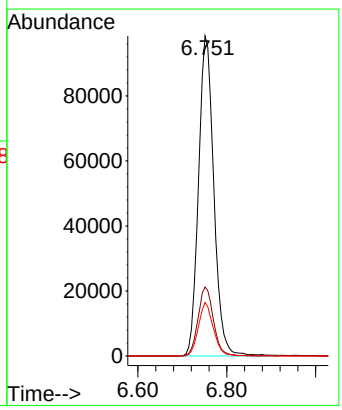
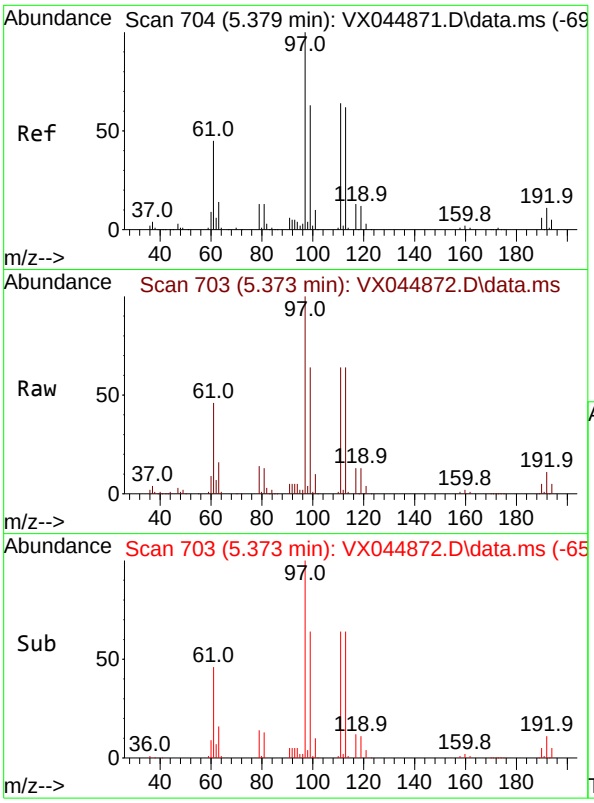


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:114 Resp: 236372

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.4
88	16.7	0.0	31.4

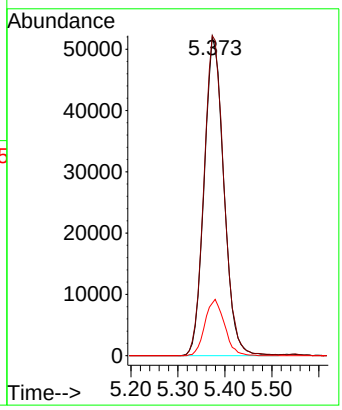




#35
Dibromofluoromethane
Concen: 98.404 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:113 Resp: 15122

Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.5	125.3
192	17.6	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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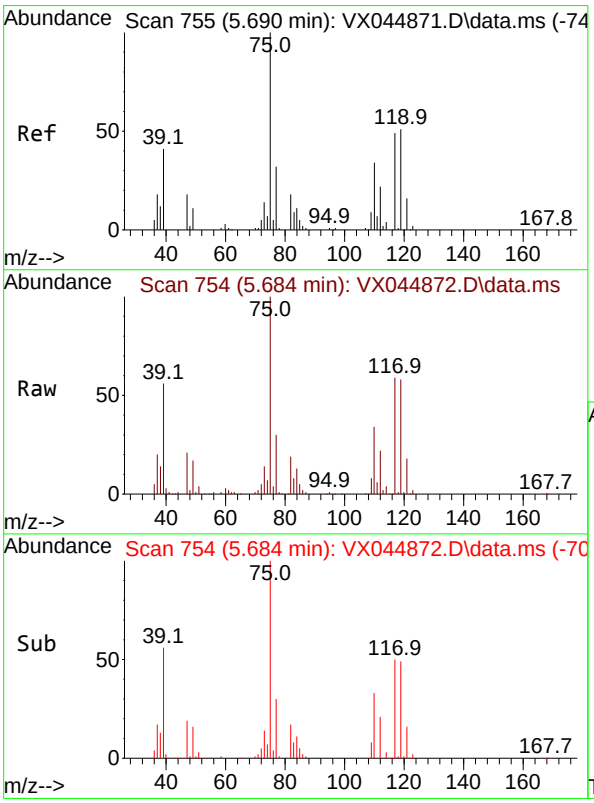
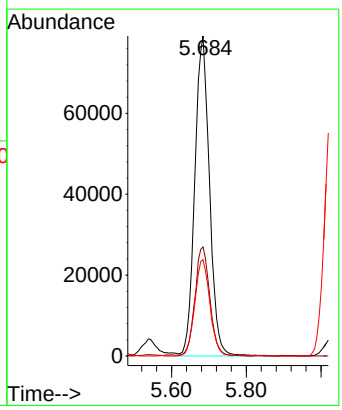
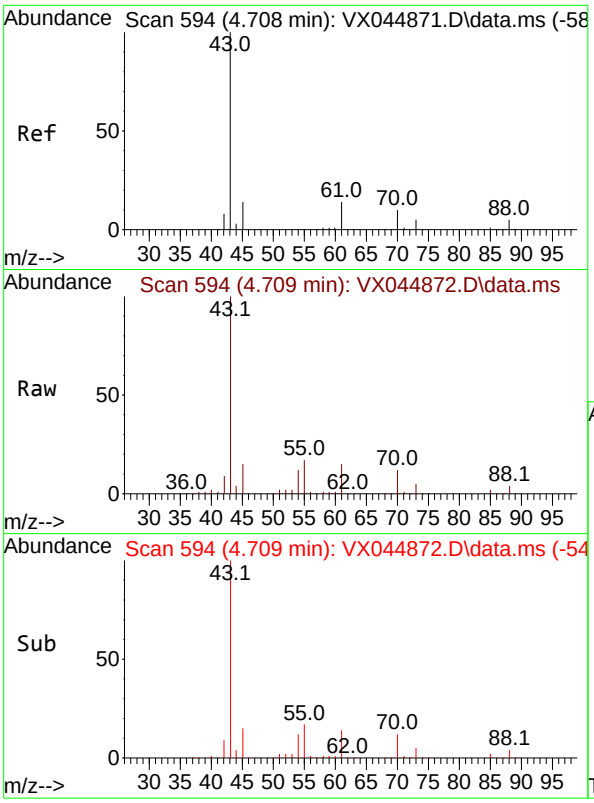


#36
1,1-Dichloropropene
Concen: 97.422 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 216005

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.9	24.6	37.0

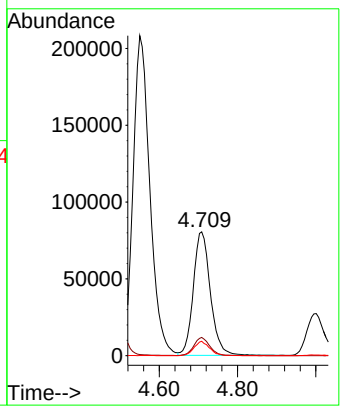




#37
Ethyl Acetate
Concen: 99.005 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 24416

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.6	8.2	12.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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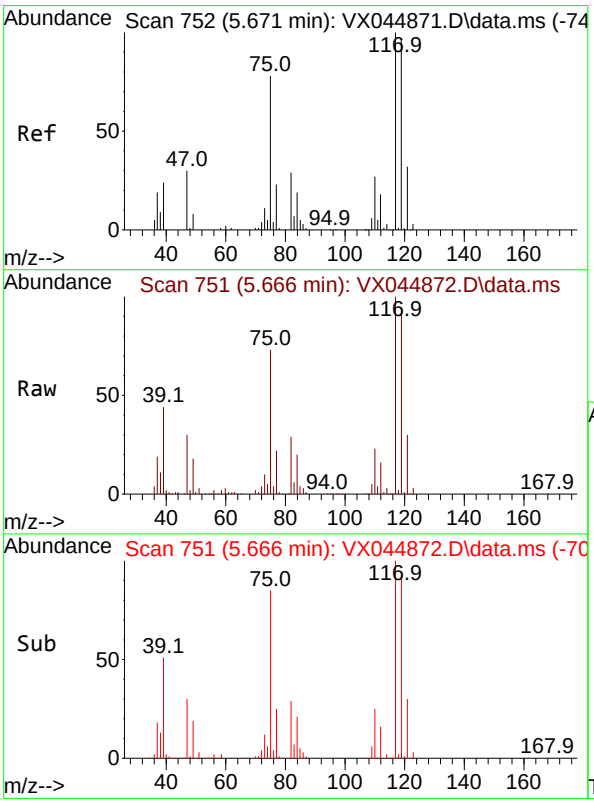
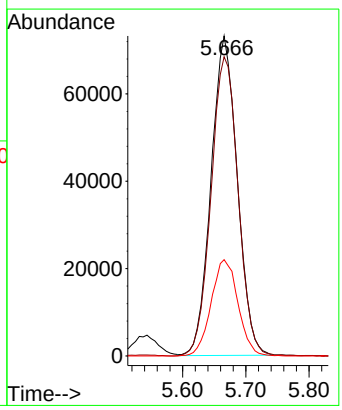
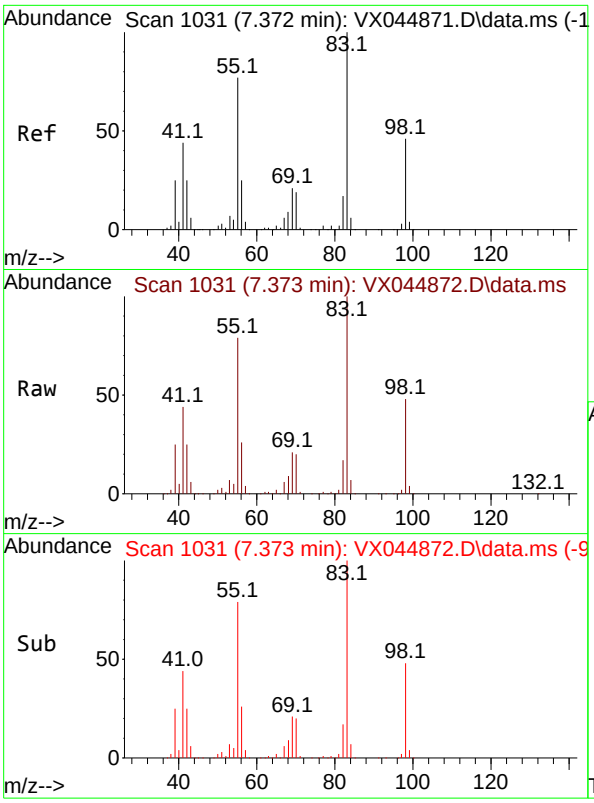


#38
Carbon Tetrachloride
Concen: 96.828 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:117 Resp: 210381

Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.5	116.3
121	30.2	25.6	38.4

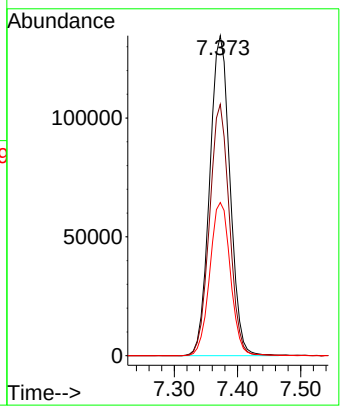




#39
Methylcyclohexane
Concen: 104.554 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 83 Resp: 29970

Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.3	91.9
98	47.8	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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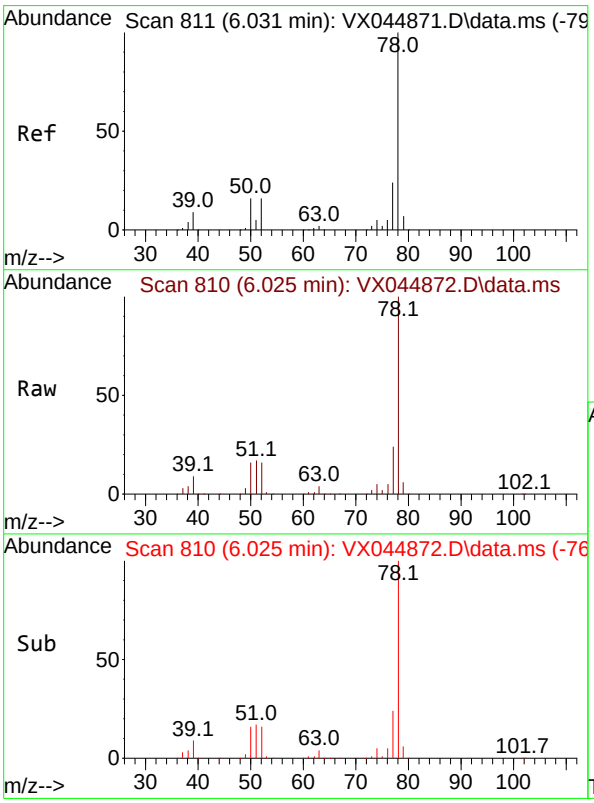
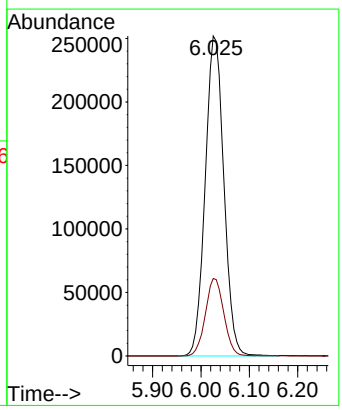
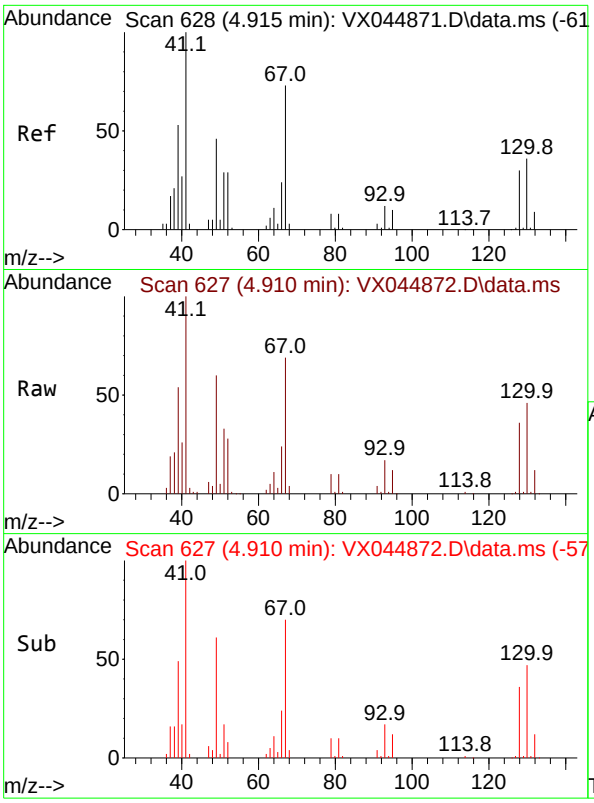


#40
Benzene
Concen: 97.576 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 78 Resp: 675556

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6

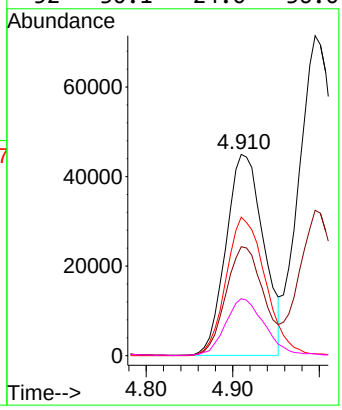




#41
Methacrylonitrile
Concen: 102.745 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 13562

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	72.4	57.0	85.6
52	30.1	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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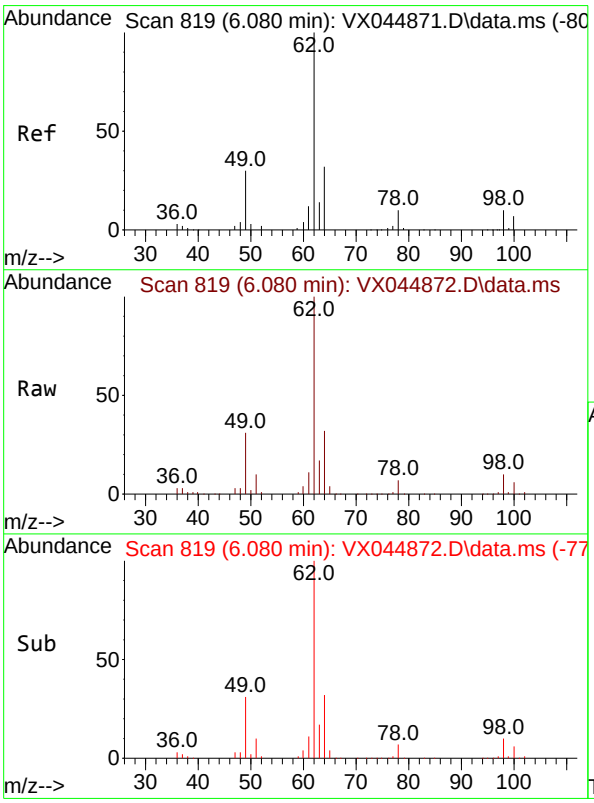
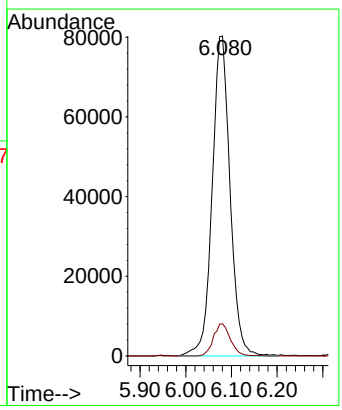
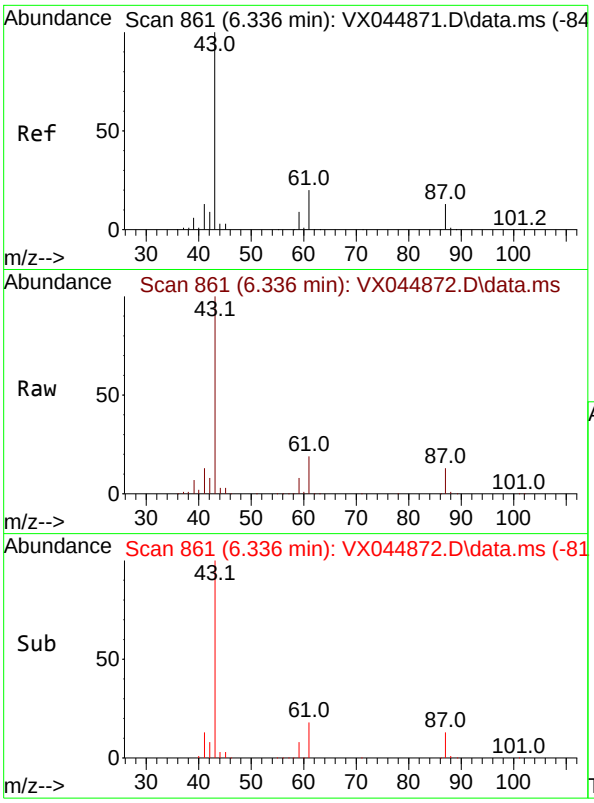


#42
1,2-Dichloroethane
Concen: 98.875 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 218174

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4

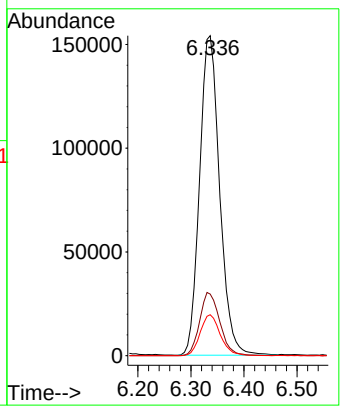




#43
Isopropyl Acetate
Concen: 101.818 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 40548

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.8
87	12.8	10.0	15.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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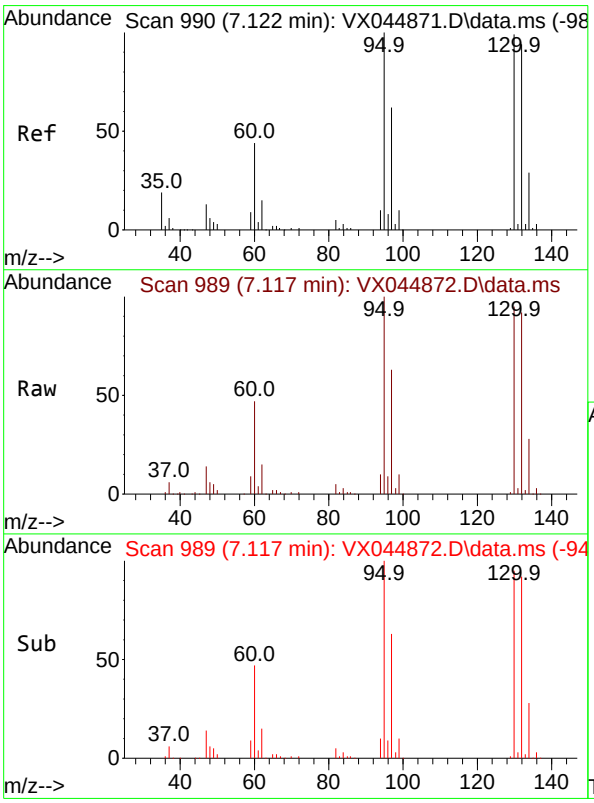
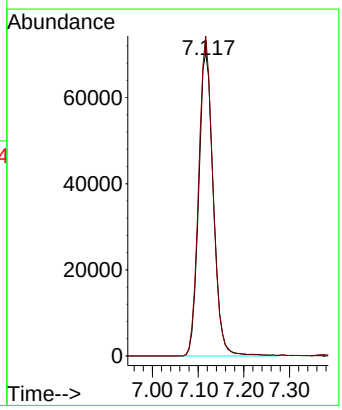
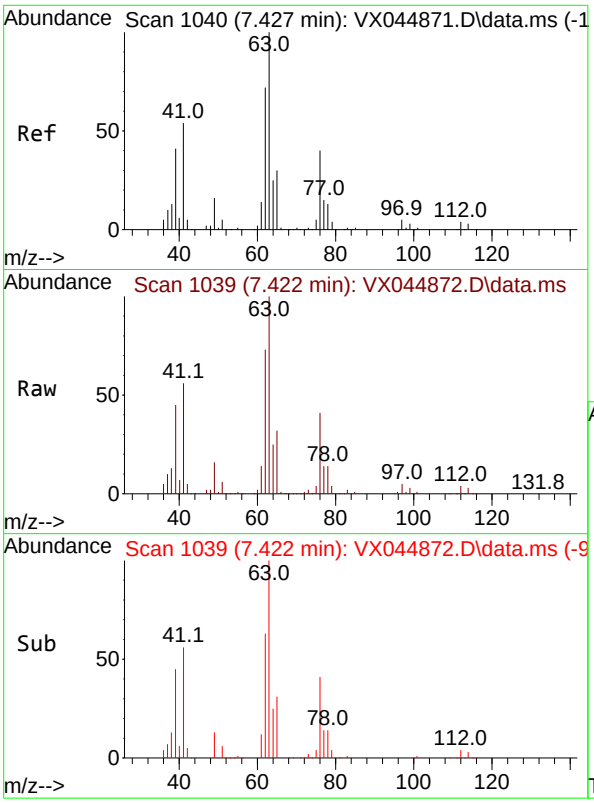


#44
Trichloroethene
Concen: 99.103 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:130 Resp: 156832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	202.4

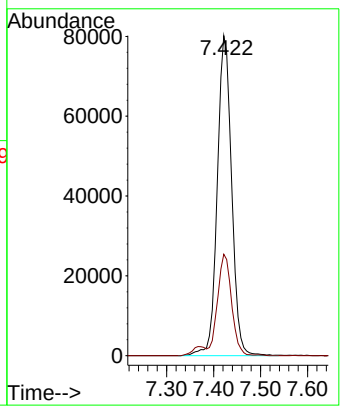




#45
1,2-Dichloropropane
Concen: 98.893 ug/l
RT: 7.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 17033

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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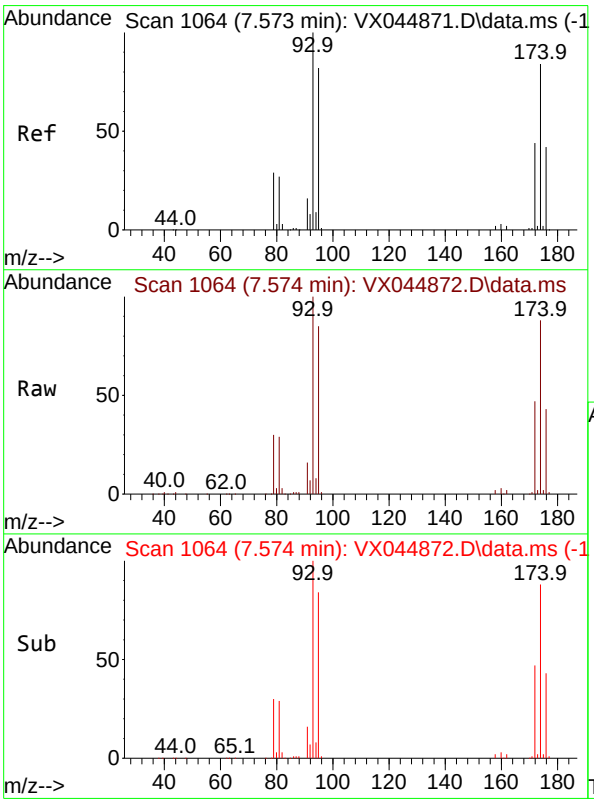
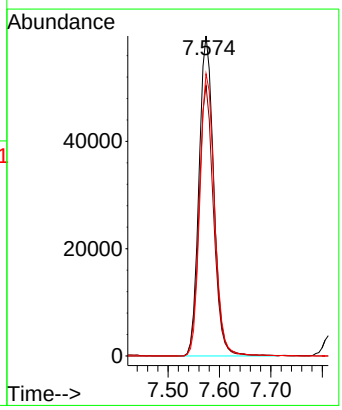
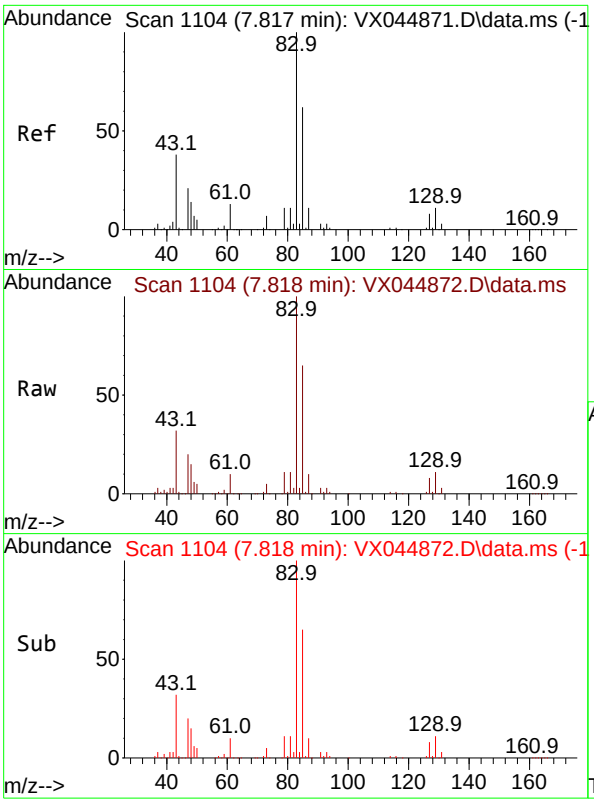


#46
Dibromomethane
Concen: 99.747 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 93 Resp: 119149

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.2	99.4
174	88.1	69.9	104.9

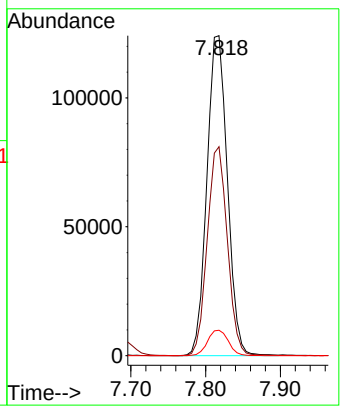




#47
Bromodichloromethane
Concen: 102.254 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 83 Resp: 23650

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.0	75.0
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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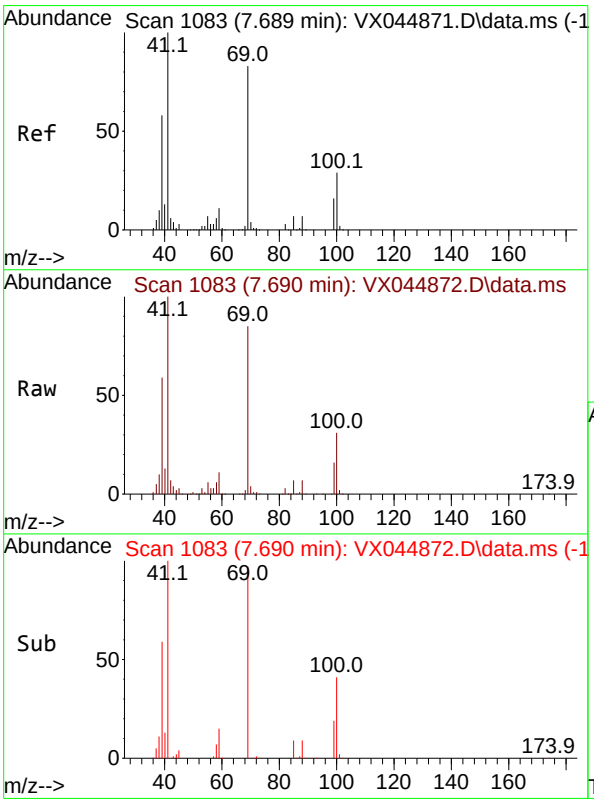
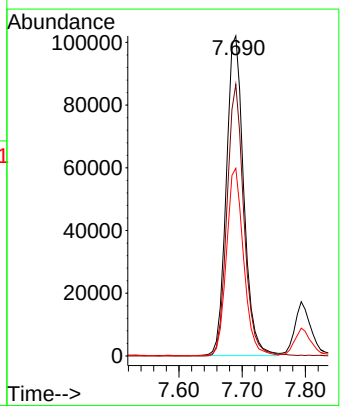
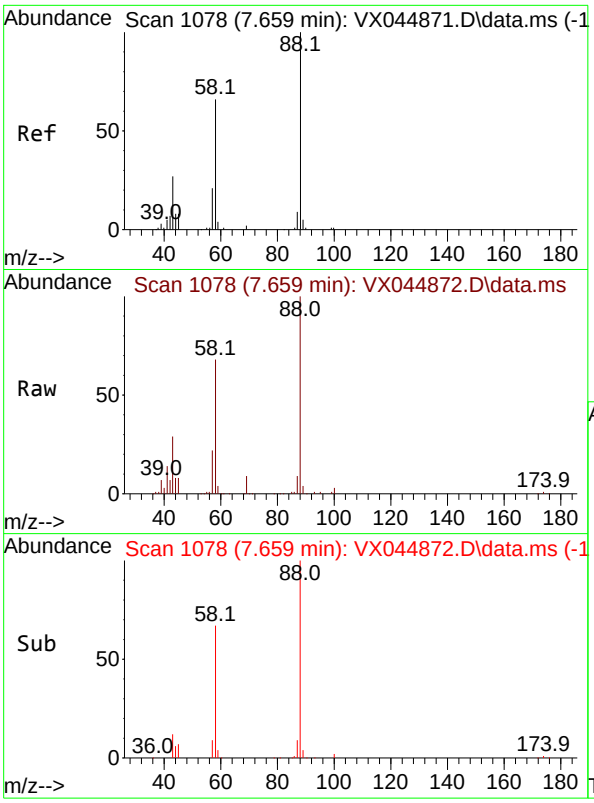


#48
Methyl methacrylate
Concen: 104.321 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 195892

Ion	Ratio	Lower	Upper
41	100		
69	82.1	65.8	98.8
39	57.3	46.4	69.6

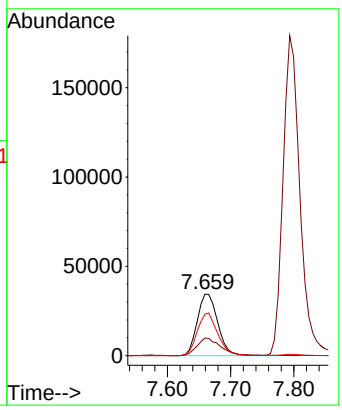




#49
1,4-Dioxane
Concen: 1931.508 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 88 Resp: 7781

Ion	Ratio	Lower	Upper
88	100		
43	31.8	26.6	39.8
58	68.9	55.9	83.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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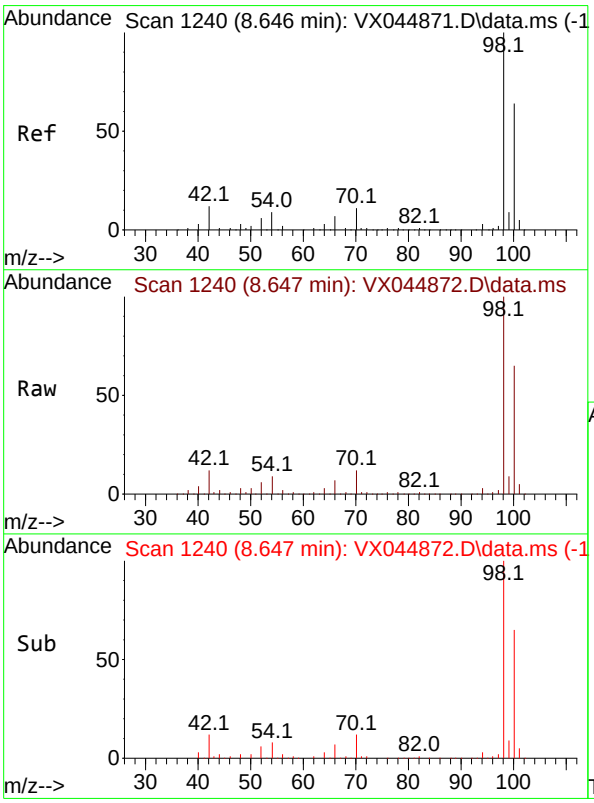
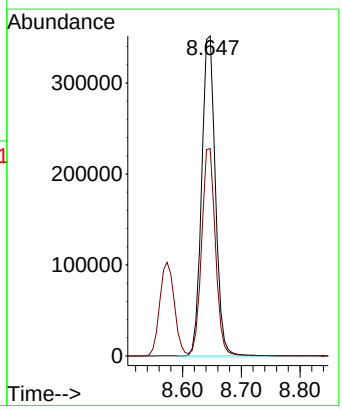
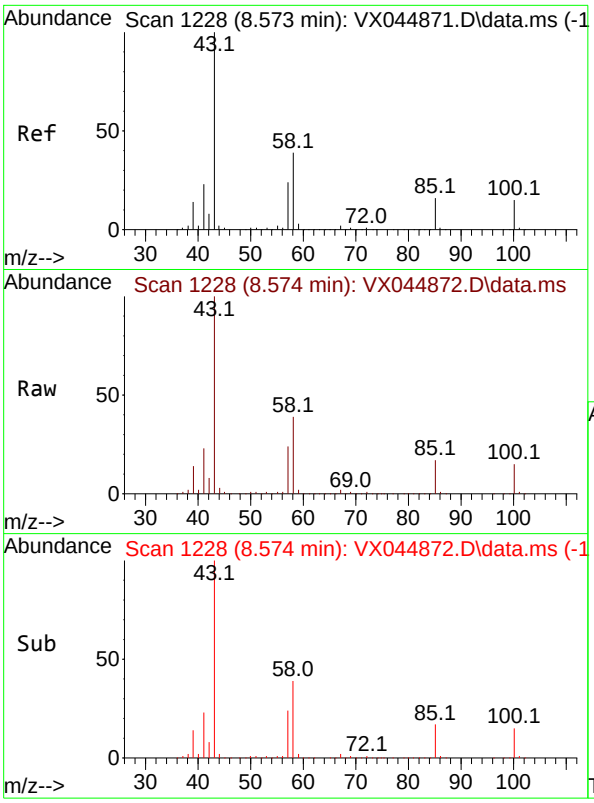


#50
Toluene-d8
Concen: 98.253 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 98 Resp: 570976

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1

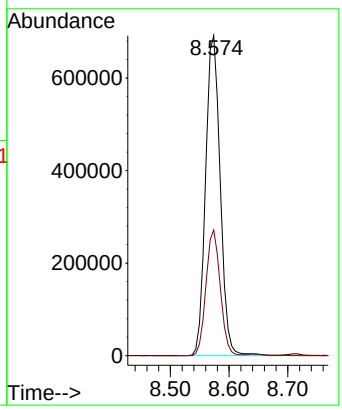




#51
4-Methyl-2-Pentanone
Concen: 494.353 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 119688

Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.8	46.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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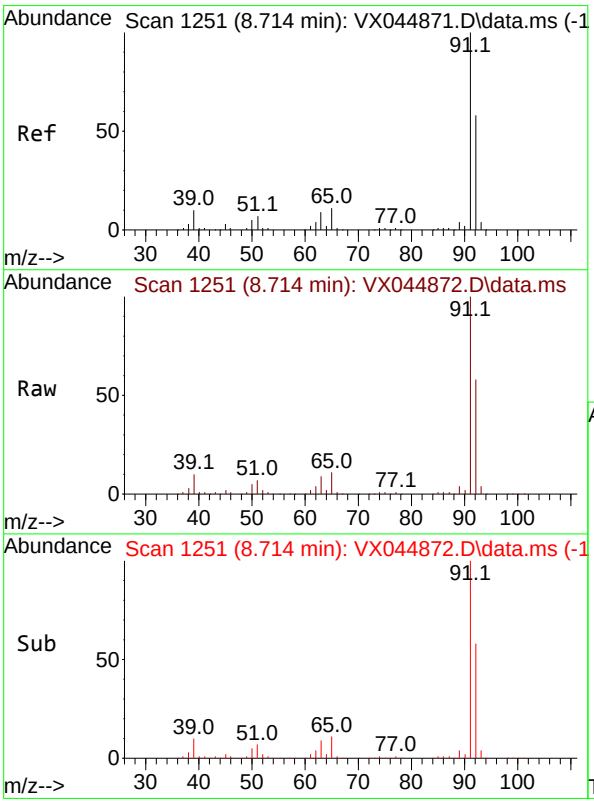
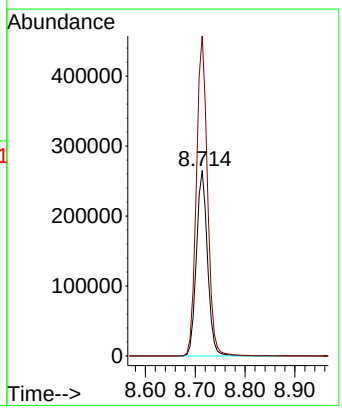
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

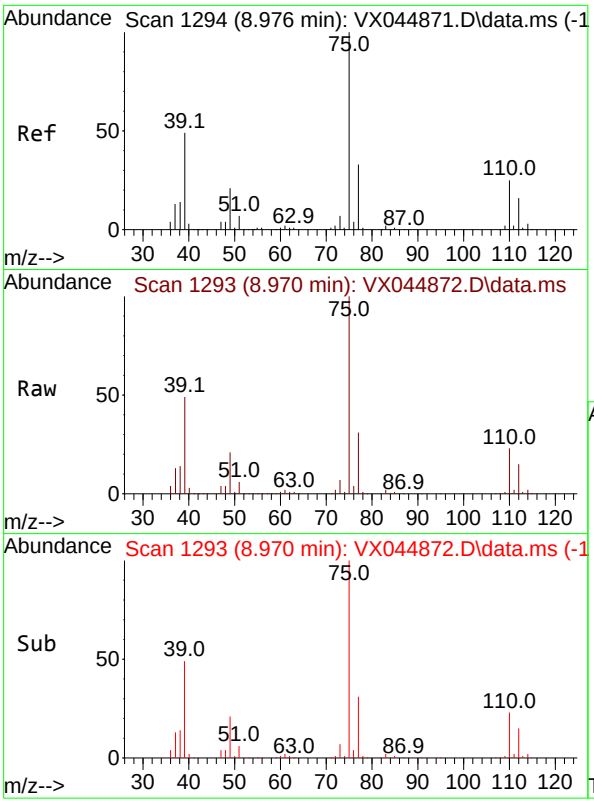


#52
Toluene
Concen: 99.270 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 92 Resp: 409318

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.4	206.2

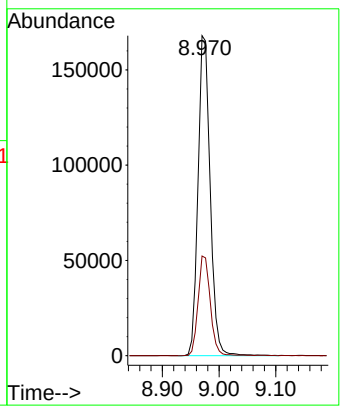




#53
t-1,3-Dichloropropene
Concen: 106.694 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 24972

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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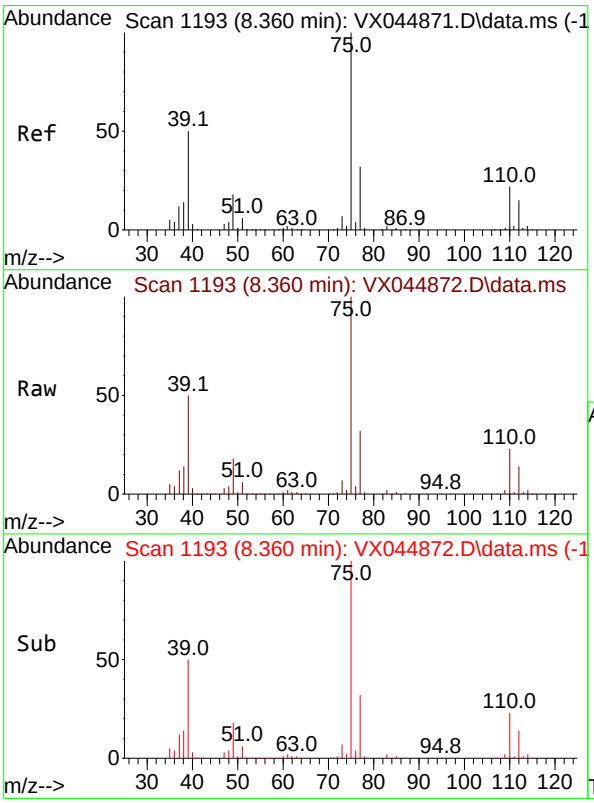
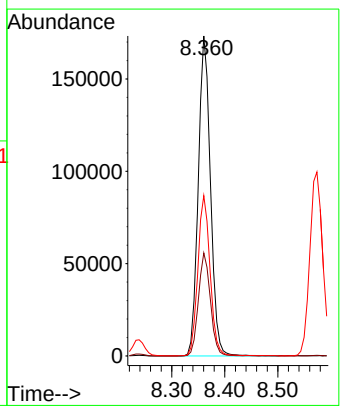
Supervised By :Mahesh Dadoda 02/11/2025

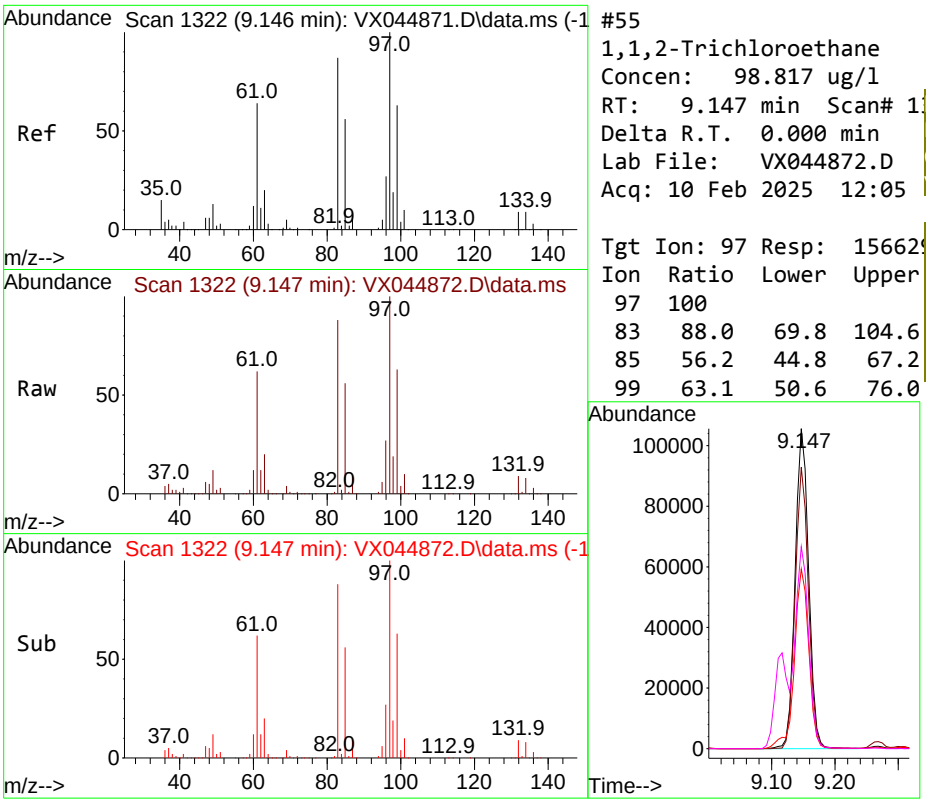


#54
cis-1,3-Dichloropropene
Concen: 106.287 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 277371

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.3	37.9
39	50.1	40.0	60.0





#55
1,1,2-Trichloroethane
Concen: 98.817 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 97 Resp: 15662

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.8	104.6
85	56.2	44.8	67.2
99	63.1	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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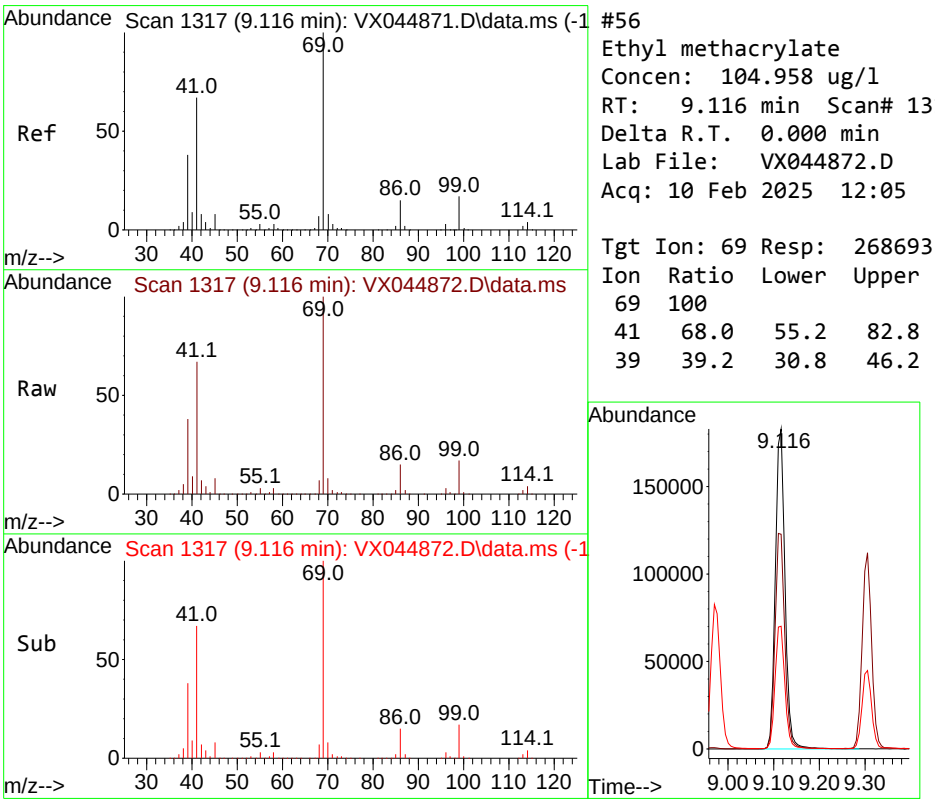
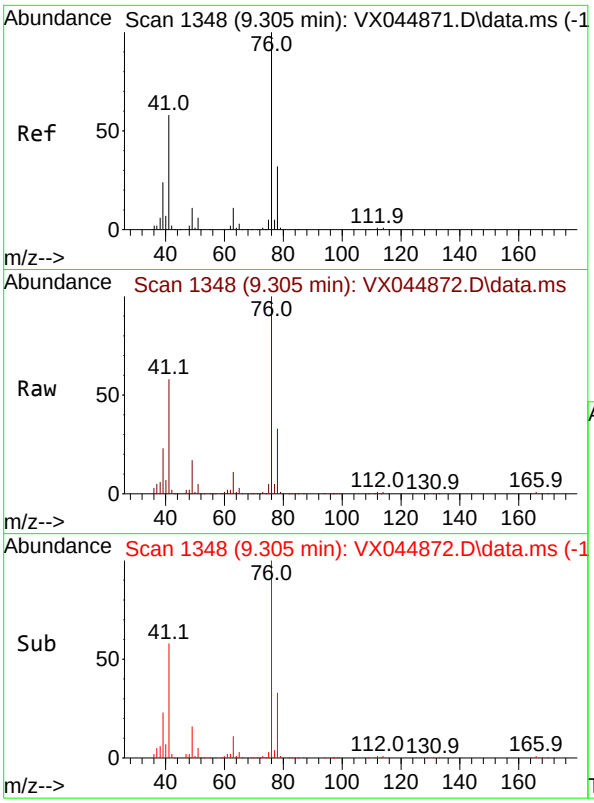


#56
Ethyl methacrylate
Concen: 104.958 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 69 Resp: 268693

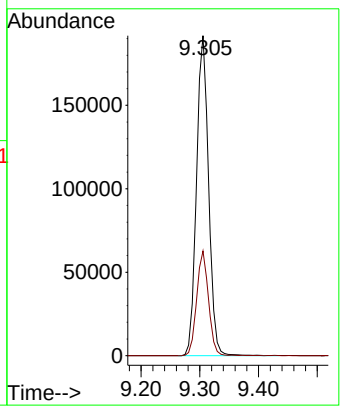
Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.2	82.8
39	39.2	30.8	46.2



#57
1,3-Dichloropropane
Concen: 98.742 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 76 Resp: 27384

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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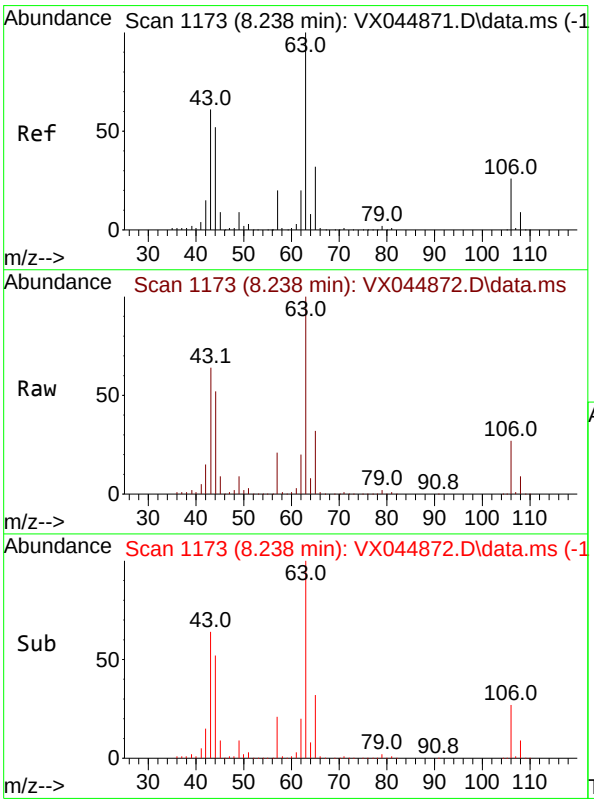
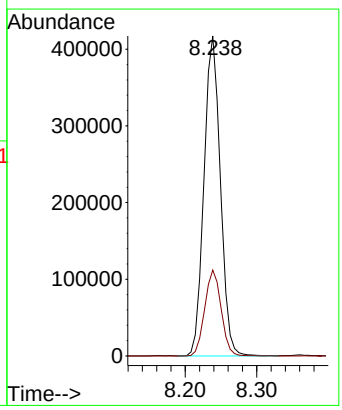
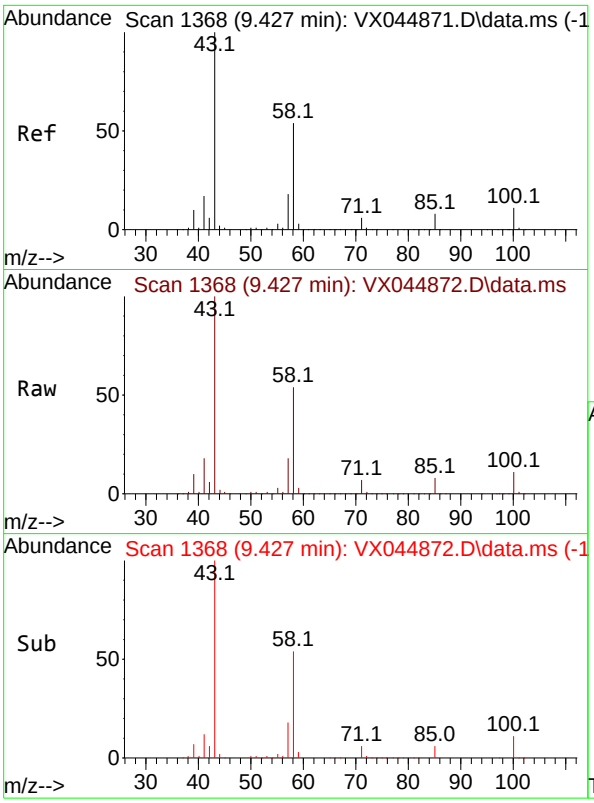


#58
2-Chloroethyl Vinyl ether
Concen: 528.405 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 664198

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.3	31.9





#59
2-Hexanone
Concen: 499.819 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 87190

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.5	82.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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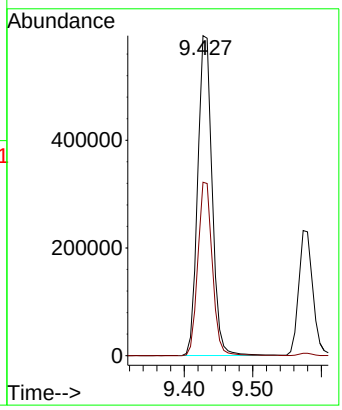
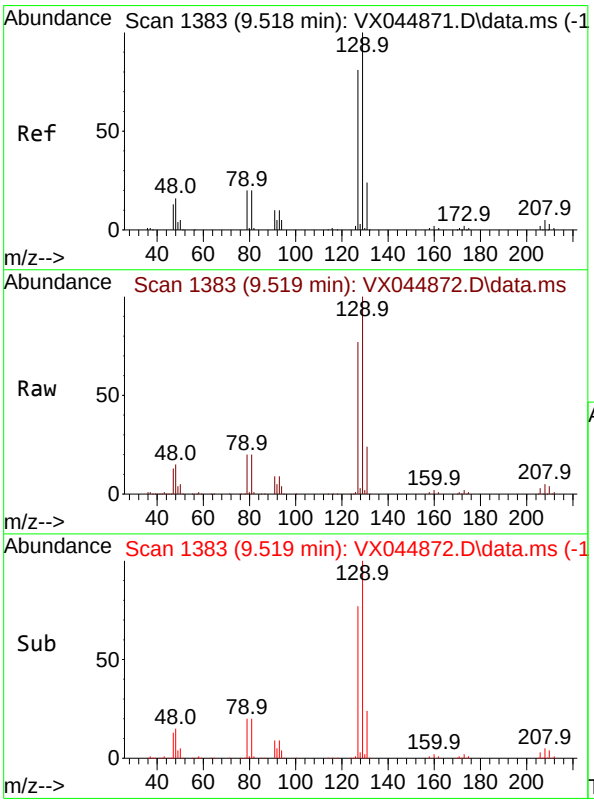
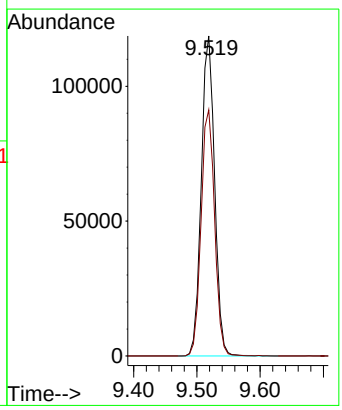


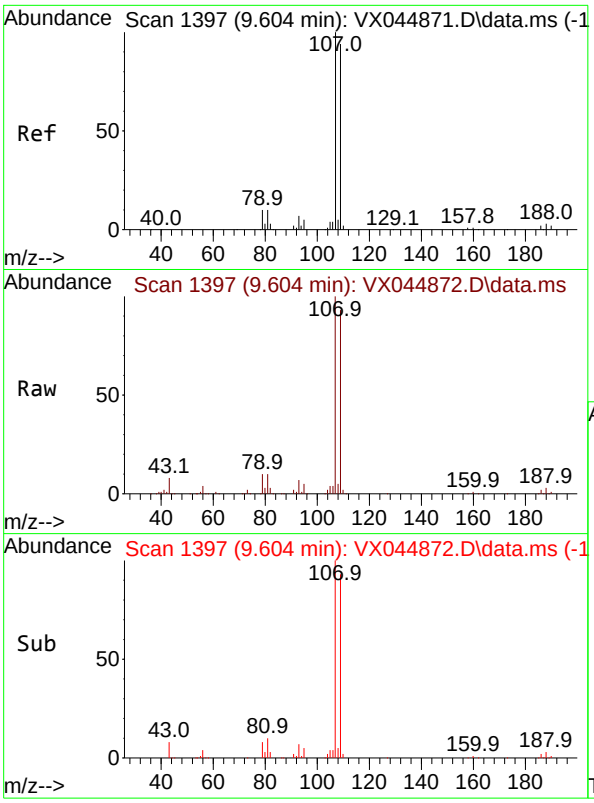


#60
Dibromochloromethane
Concen: 102.557 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:129 Resp: 173848

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.3

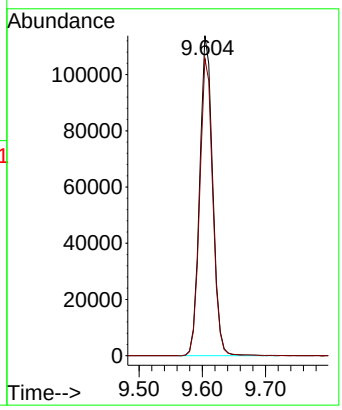




#61
1,2-Dibromoethane
Concen: 101.451 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:107 Resp: 16298

Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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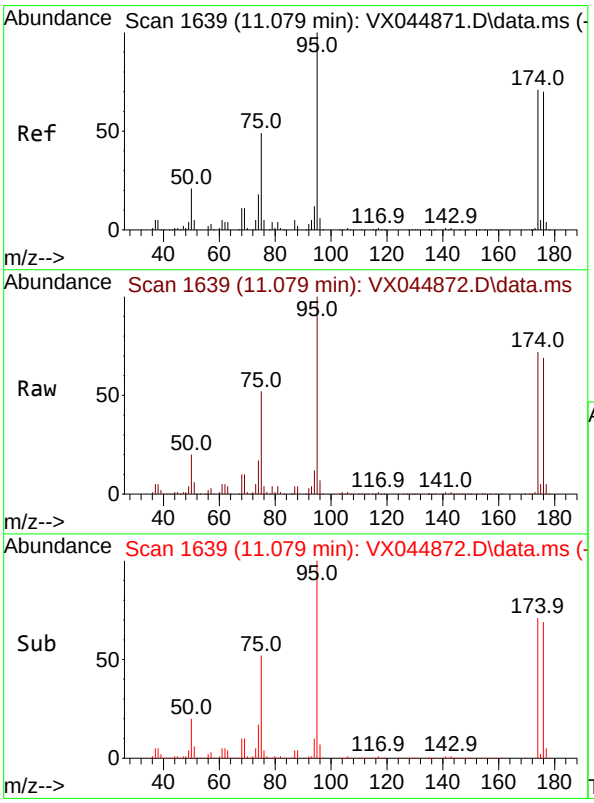
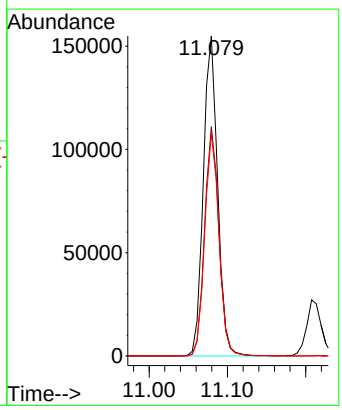
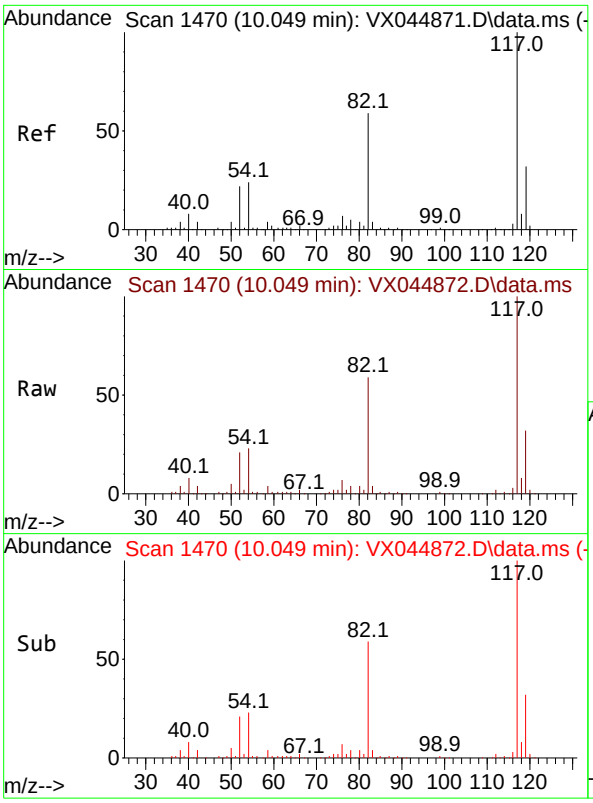


#62
4-Bromofluorobenzene
Concen: 100.079 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 95 Resp: 196066

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	142.6
176	68.8	0.0	141.6

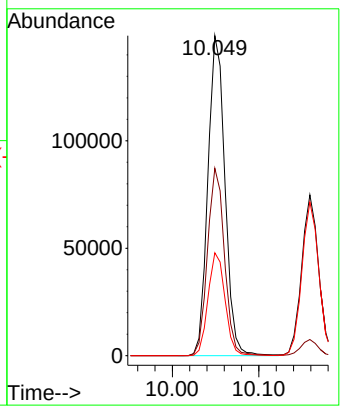




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:117 Resp: 20388

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.5	71.3
119	32.2	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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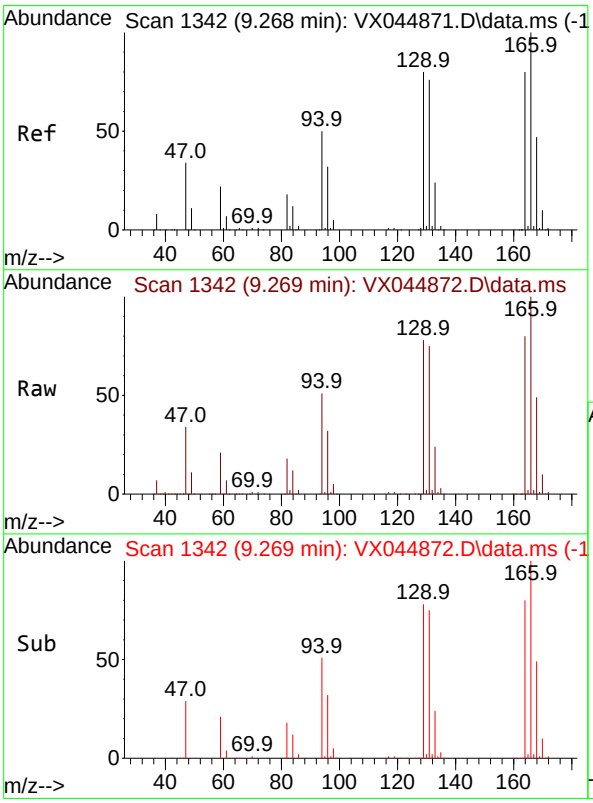
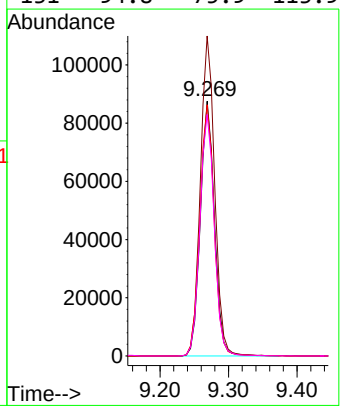
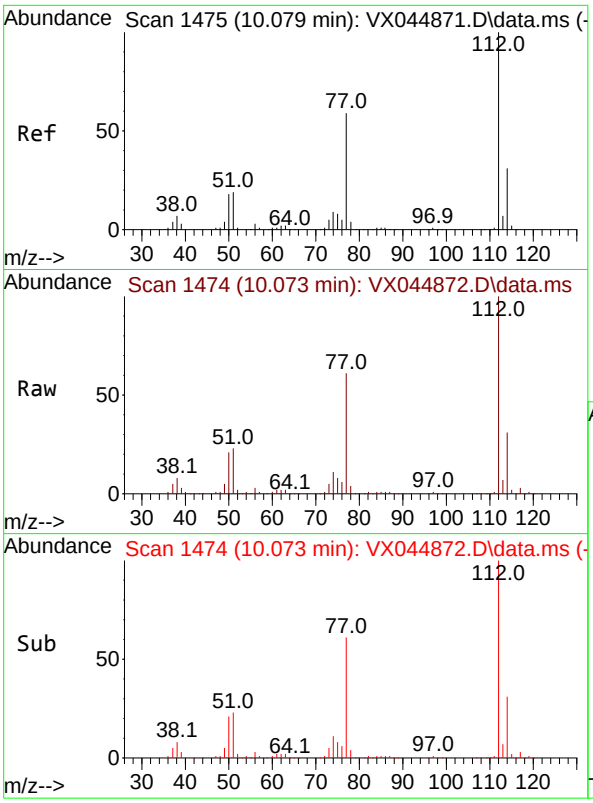


#64
Tetrachloroethene
Concen: 97.447 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:164 Resp: 125294

Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.4	150.6
129	98.6	79.9	119.9
131	94.8	75.9	113.9

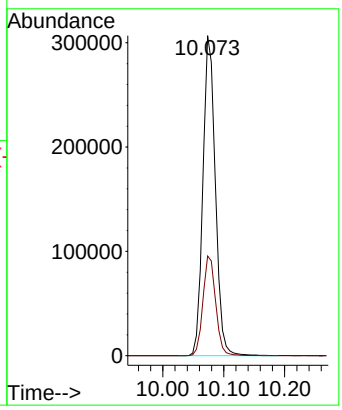




#65
Chlorobenzene
Concen: 99.694 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:112 Resp: 43656

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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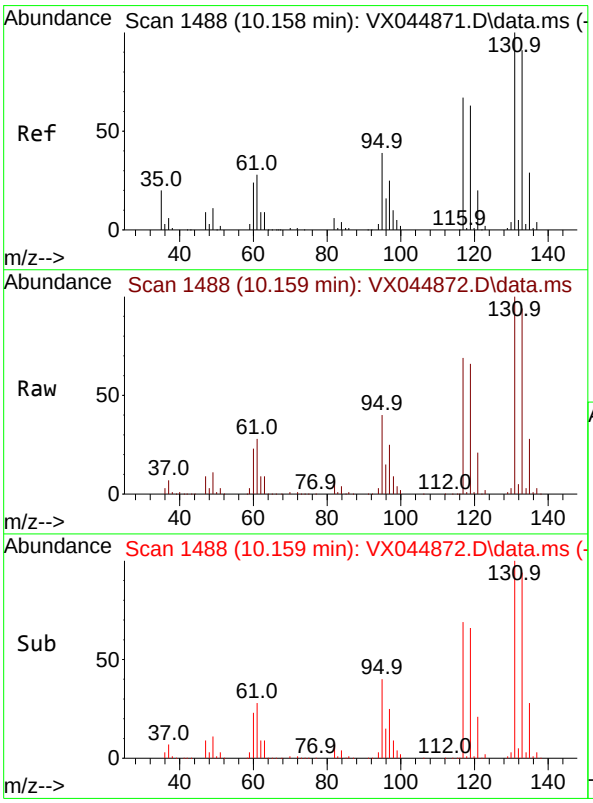
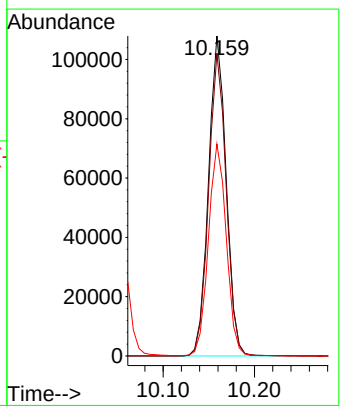
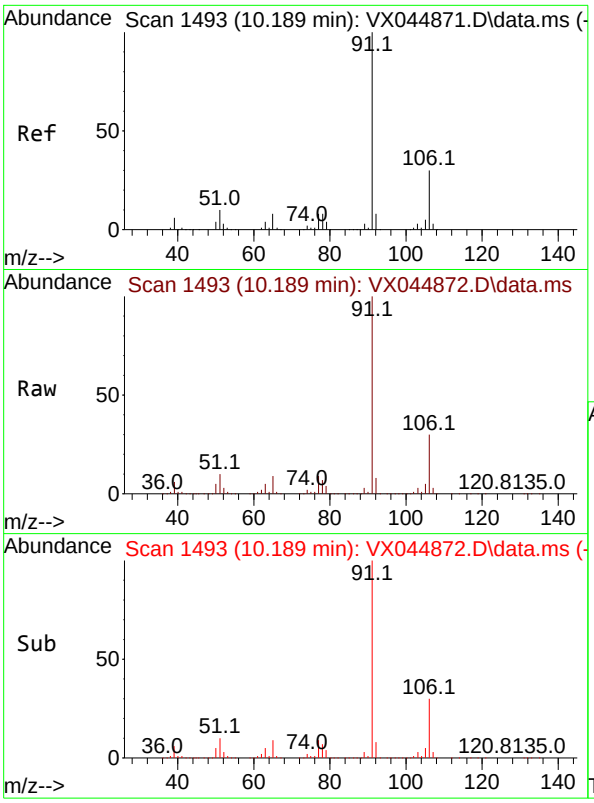


#66
1,1,1,2-Tetrachloroethane
Concen: 102.728 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:131 Resp: 144793

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.1	141.3
119	67.2	33.6	100.6

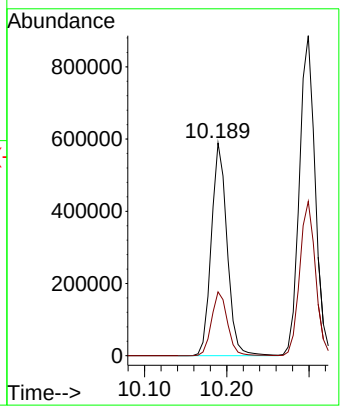




#67
Ethyl Benzene
Concen: 101.477 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 78418

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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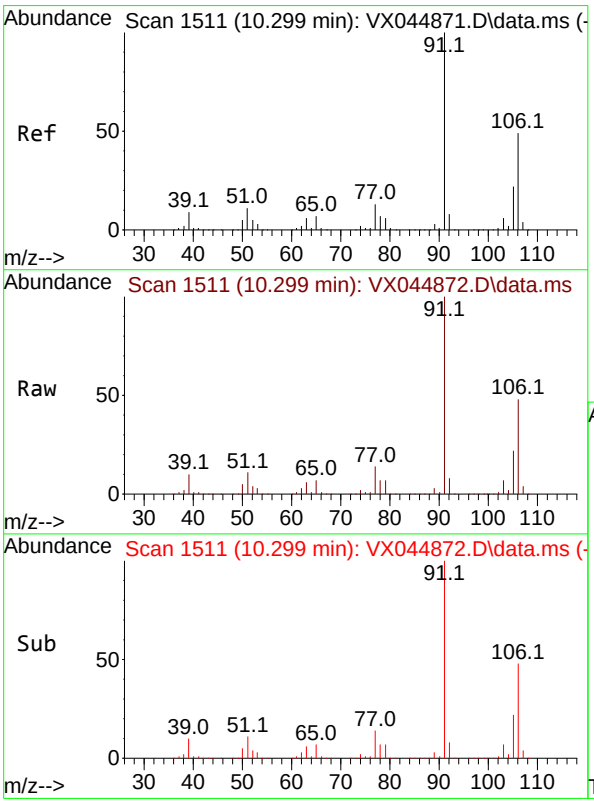
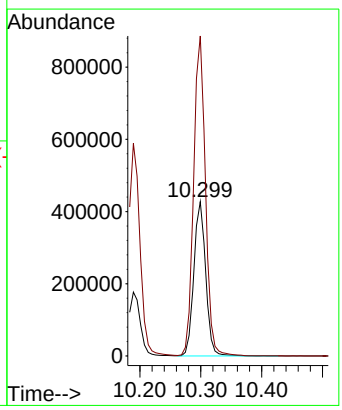
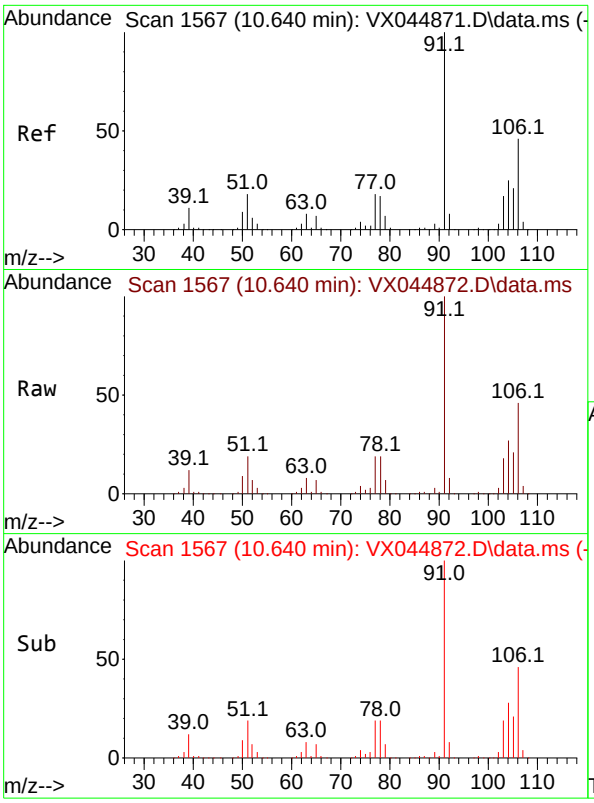


#68
m/p-Xylenes
Concen: 201.907 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:106 Resp: 575559

Ion	Ratio	Lower	Upper
106	100		
91	207.1	164.3	246.5

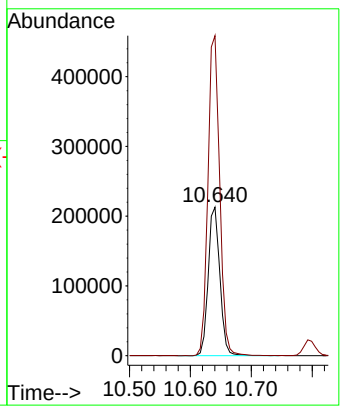




#69
o-Xylene
Concen: 98.530 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:106 Resp: 28183

Ion	Ratio	Lower	Upper
106	100		
91	217.3	108.5	325.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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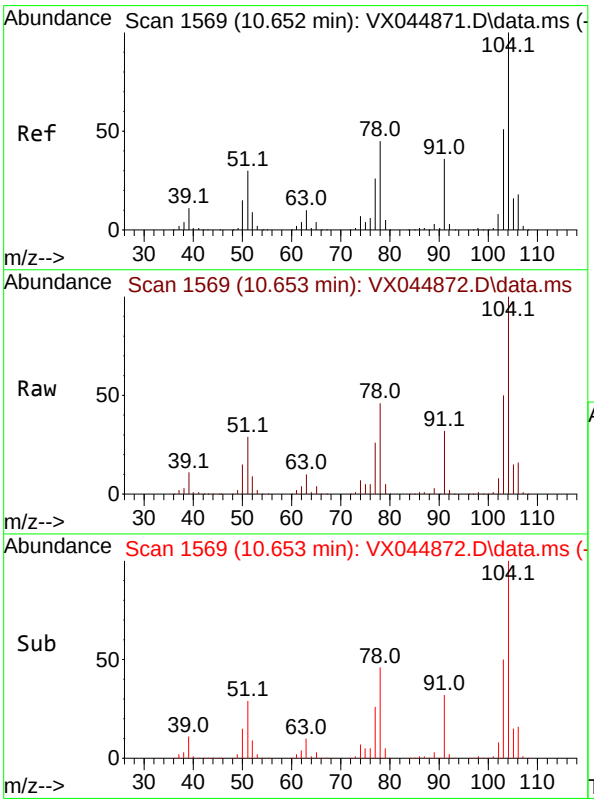
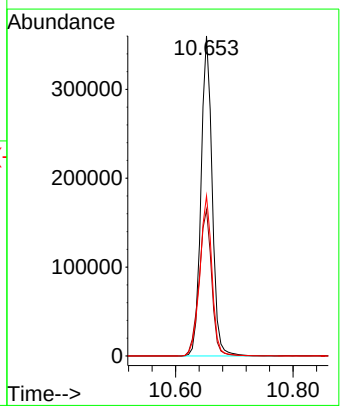
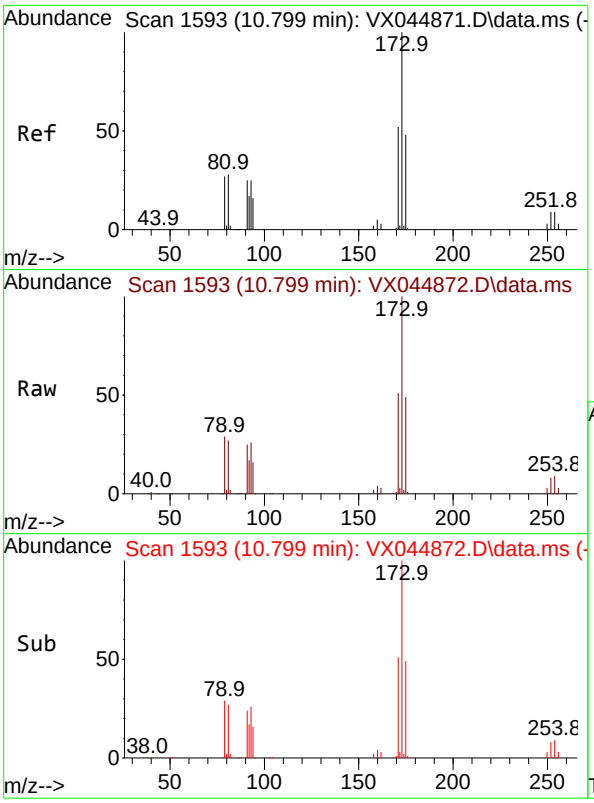


#70
Styrene
Concen: 102.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:104 Resp: 473403

Ion	Ratio	Lower	Upper
104	100		
78	51.5	40.5	60.7
103	54.5	43.6	65.4

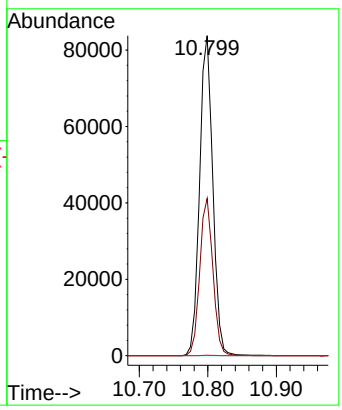




#71
Bromoform
Concen: 106.827 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:173 Resp: 11237

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.1	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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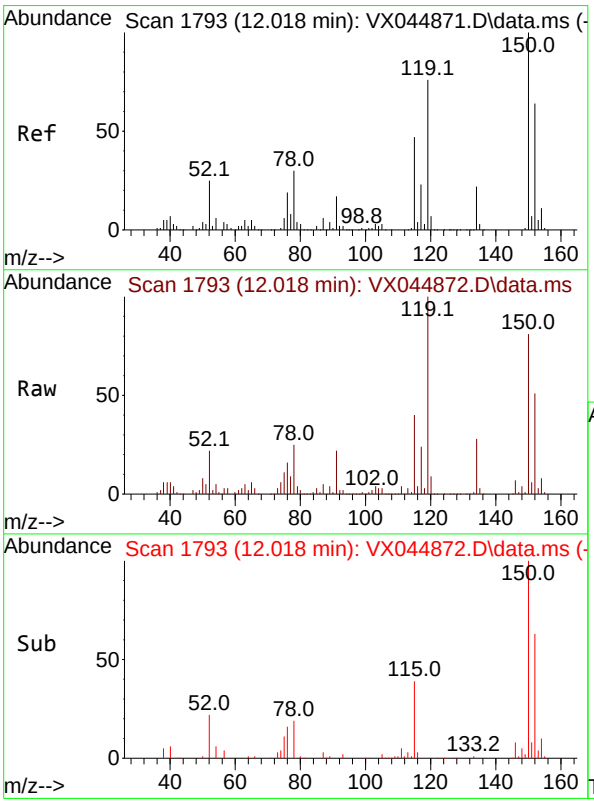
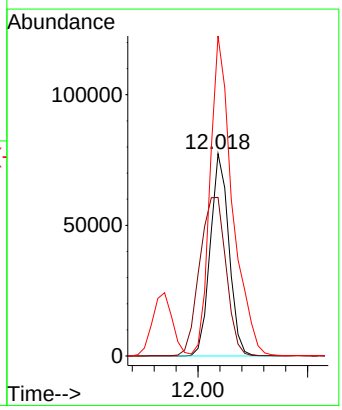
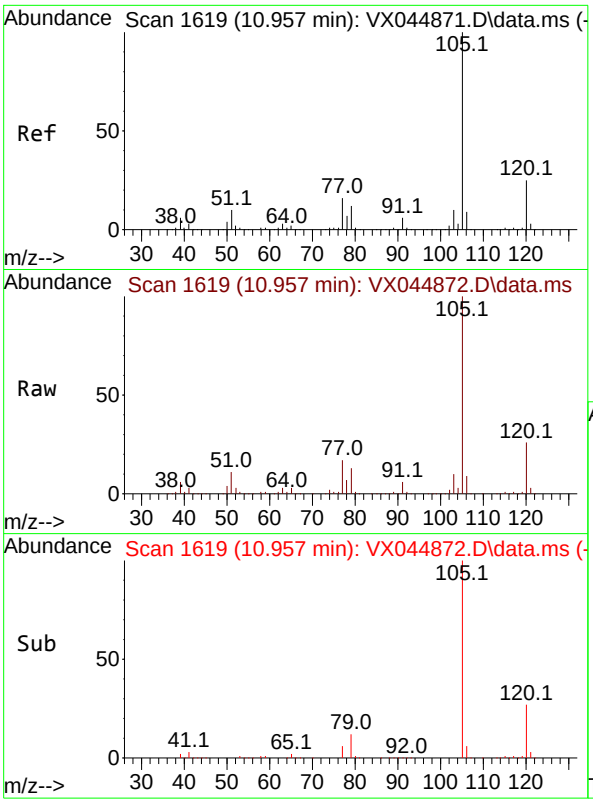


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:152 Resp: 91371

Ion	Ratio	Lower	Upper
152	100		
115	111.2	43.4	130.1
150	189.1	0.0	350.4





#73
Isopropylbenzene
Concen: 97.854 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 71992

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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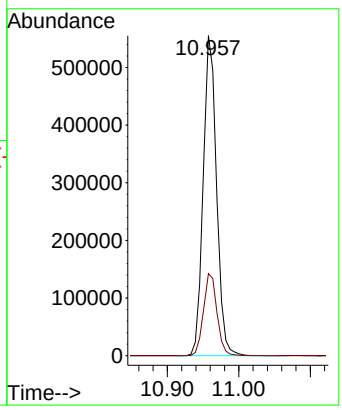
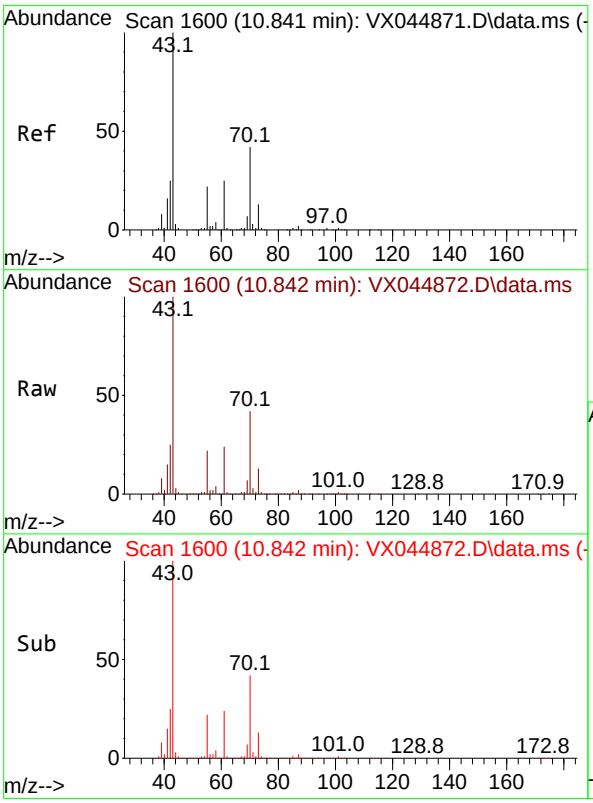
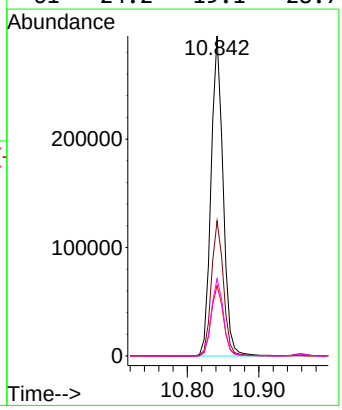


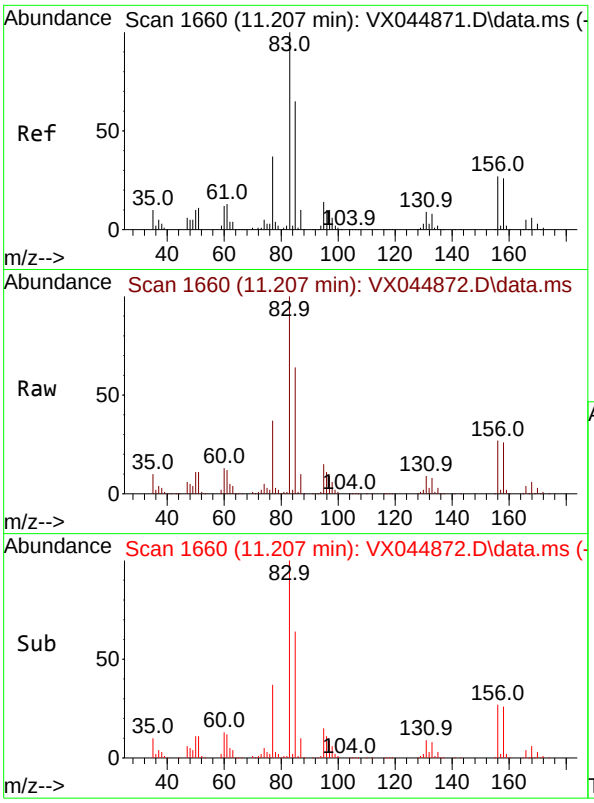


#74
N-amyl acetate
Concen: 103.687 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 345193

Ion	Ratio	Lower	Upper
43	100		
70	42.4	33.7	50.5
55	22.6	18.6	27.8
61	24.2	19.1	28.7

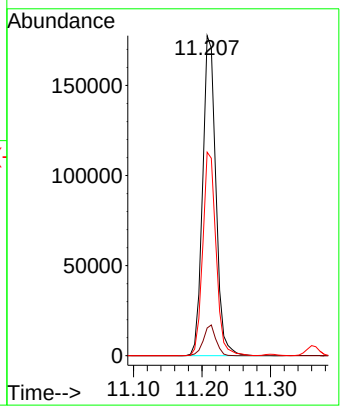




#75
1,1,2,2-Tetrachloroethane
Concen: 94.351 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 83 Resp: 23852

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.5
85	63.9	32.3	96.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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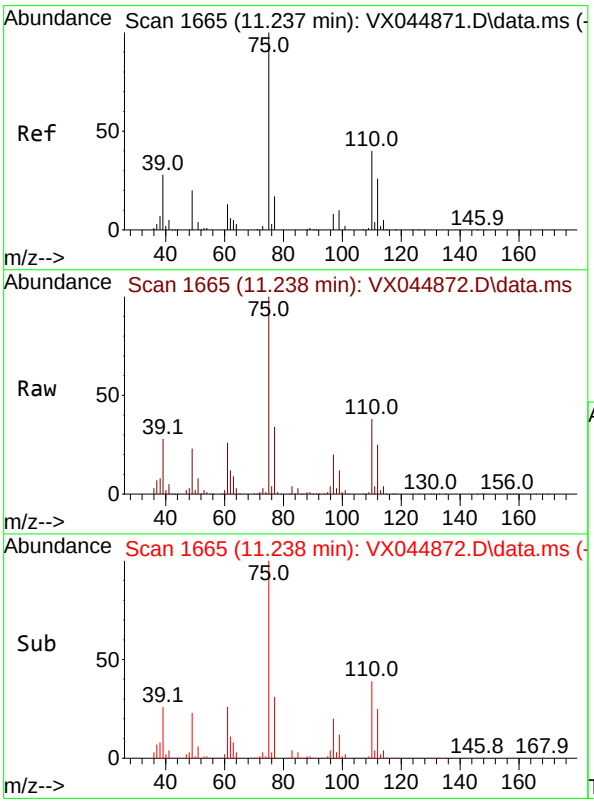
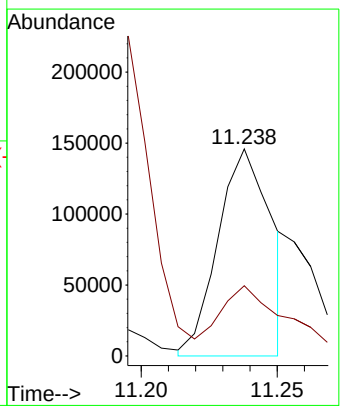
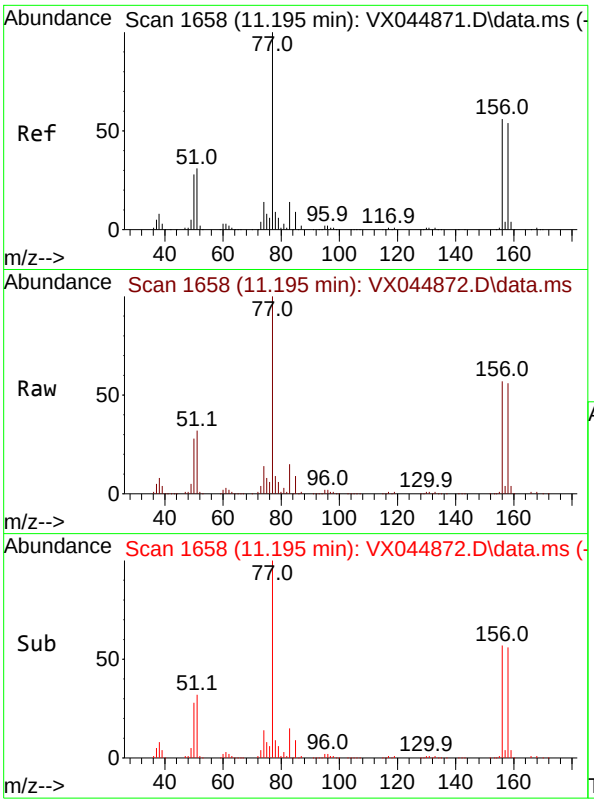


#76
1,2,3-Trichloropropane
Concen: 97.896 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 198320

Ion	Ratio	Lower	Upper
75	100		
77	43.4	21.9	65.7

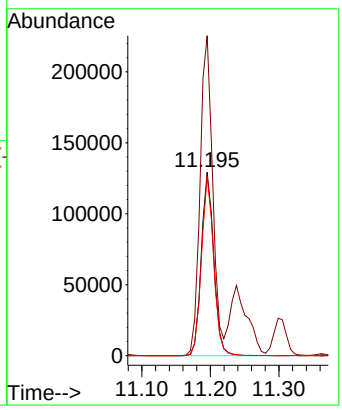




#77
Bromobenzene
Concen: 98.230 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:156 Resp: 16384

Ion	Ratio	Lower	Upper
156	100		
77	176.7	88.4	265.3
158	95.7	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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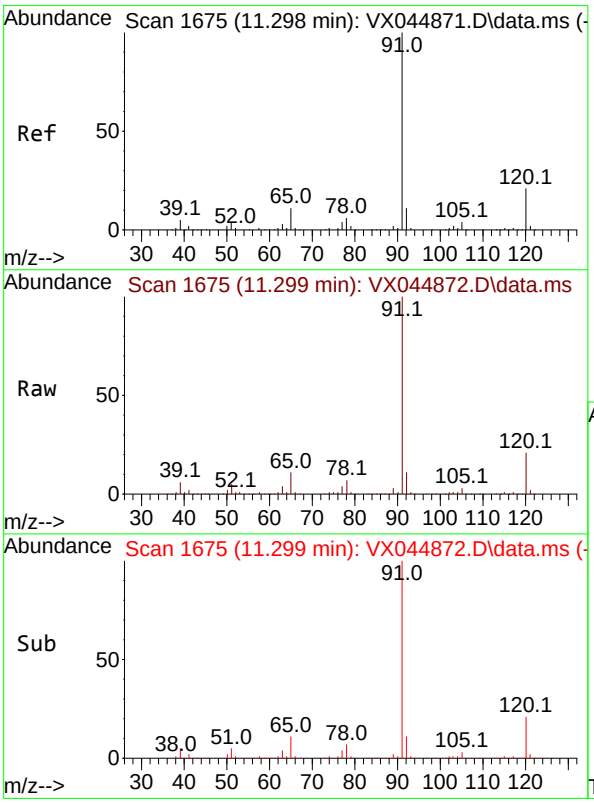
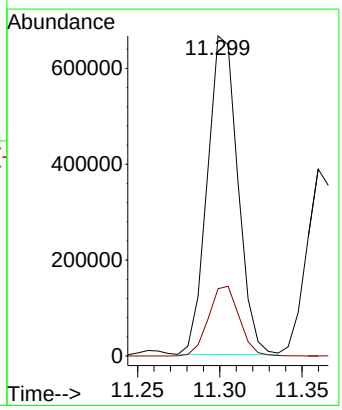
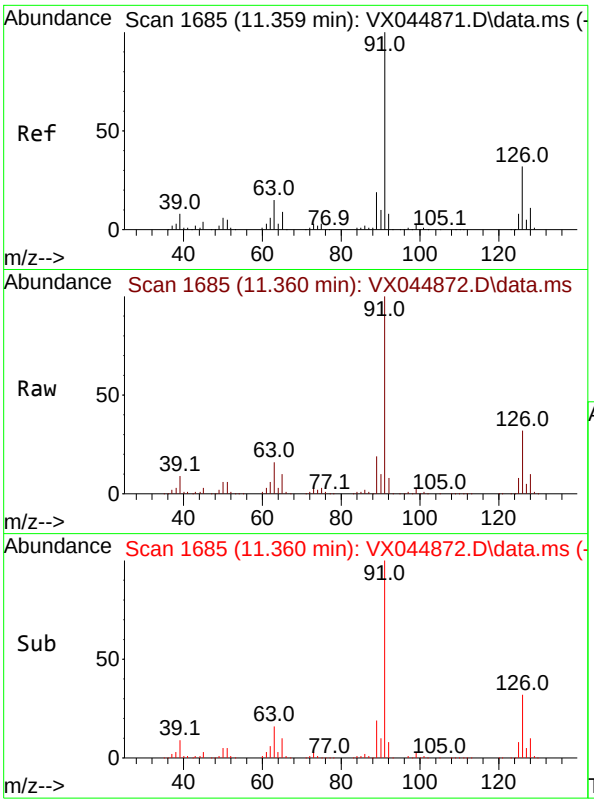


#78
n-propylbenzene
Concen: 101.132 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 858793

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3

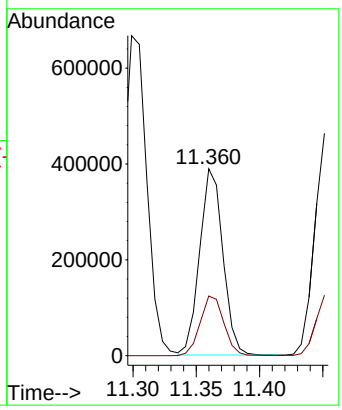




#79
2-Chlorotoluene
Concen: 95.257 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 49714

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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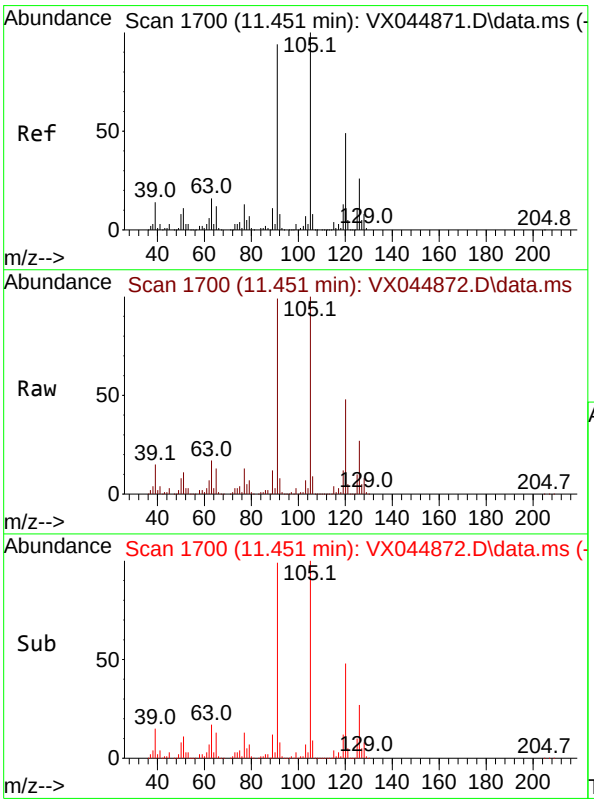
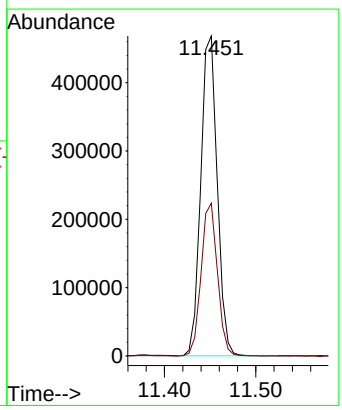
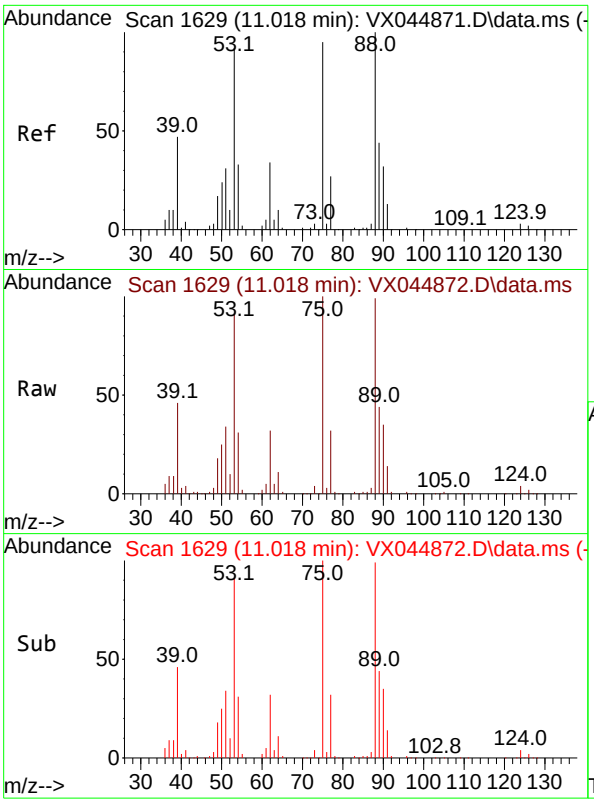


#80
1,3,5-Trimethylbenzene
Concen: 97.966 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 584885

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 106.006 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 8348

Ion	Ratio	Lower	Upper
75	100		
53	95.9	78.0	117.0
89	44.6	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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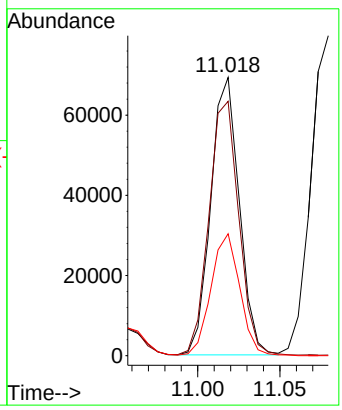
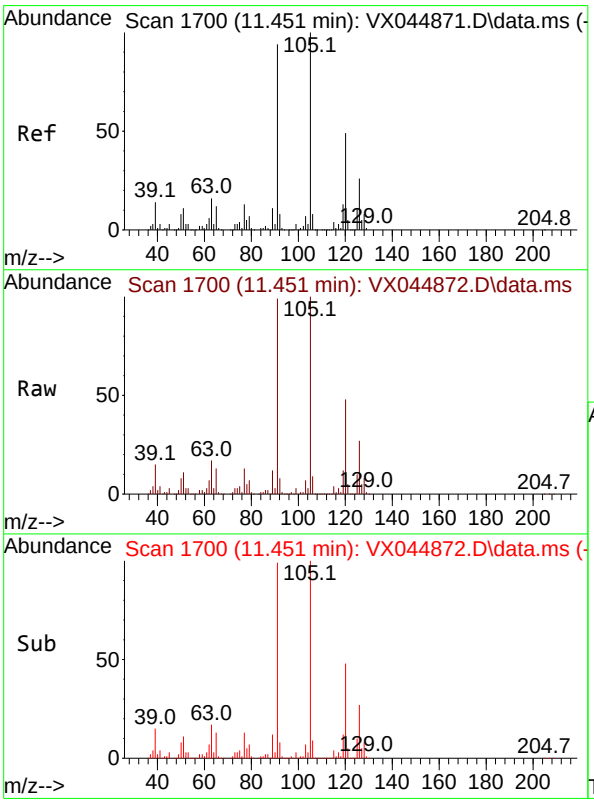
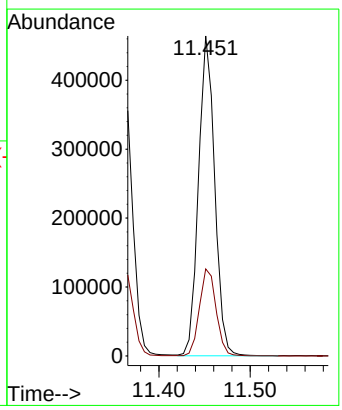


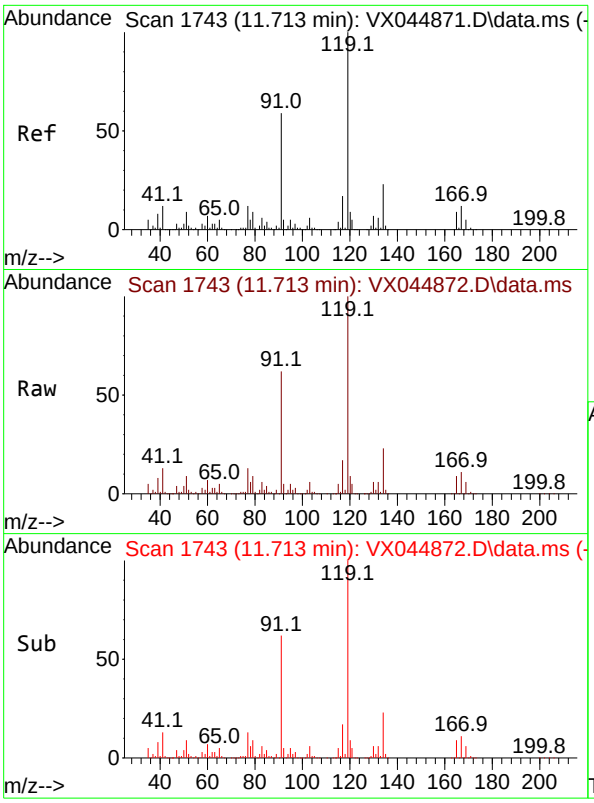


#82
4-Chlorotoluene
Concen: 98.634 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 569510

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.2	42.6

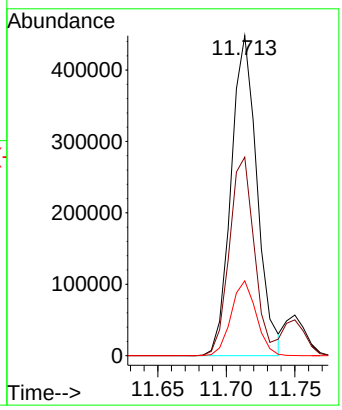




#83
tert-Butylbenzene
Concen: 97.917 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:119 Resp: 59139

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.1	87.4
134	22.6	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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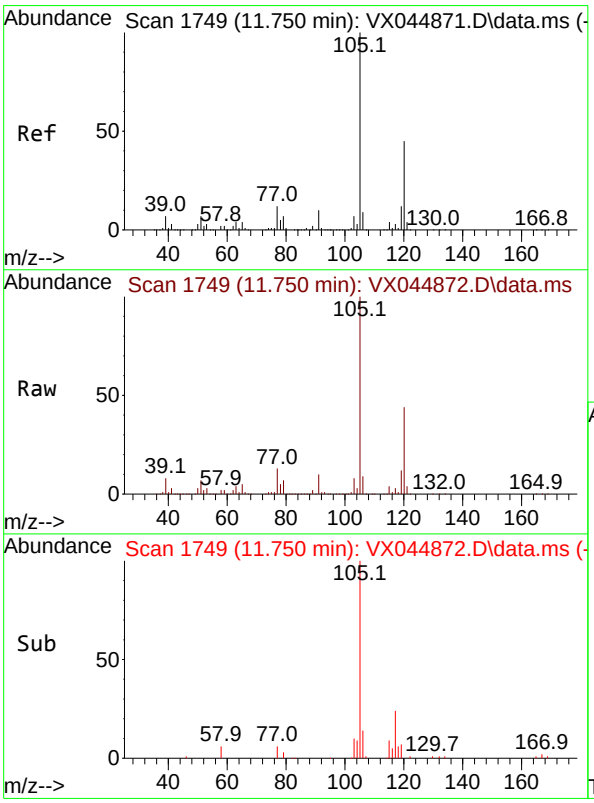
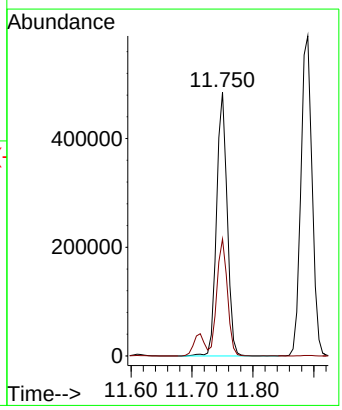
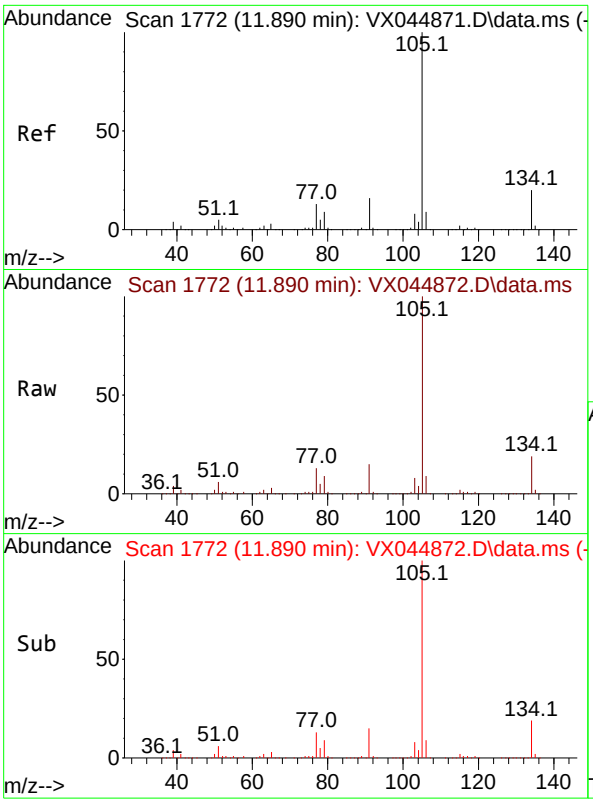


#84
1,2,4-Trimethylbenzene
Concen: 99.851 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 588385

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.4	67.0





#85
sec-Butylbenzene
Concen: 100.219 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 74953

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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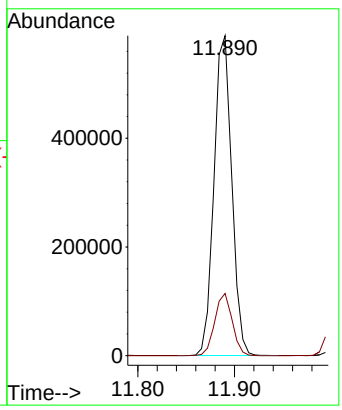
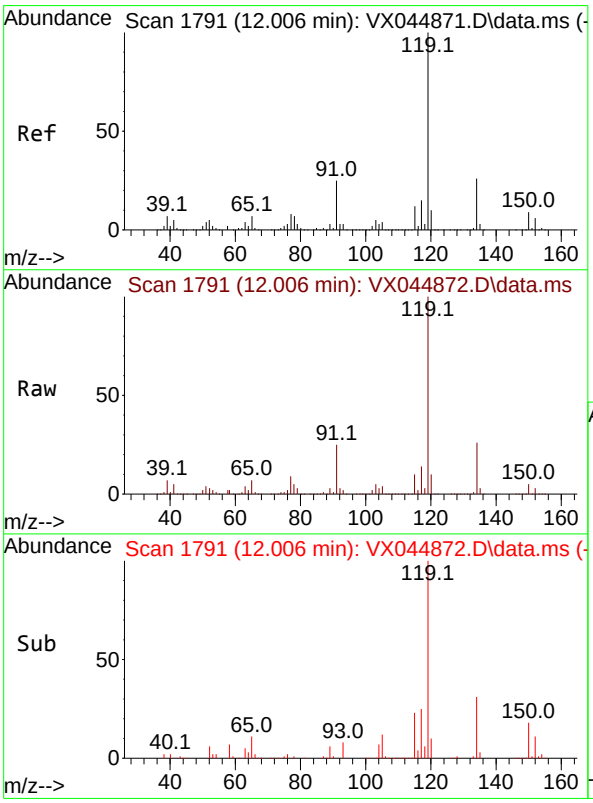
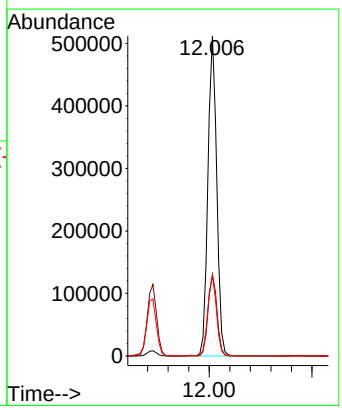


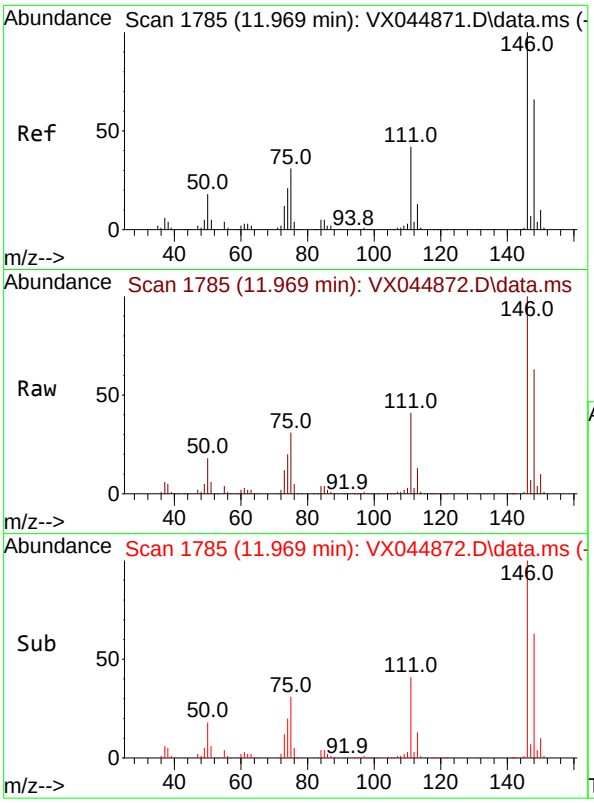


#86
p-Isopropyltoluene
Concen: 101.019 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:119 Resp: 607577

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	25.0	12.1	36.3

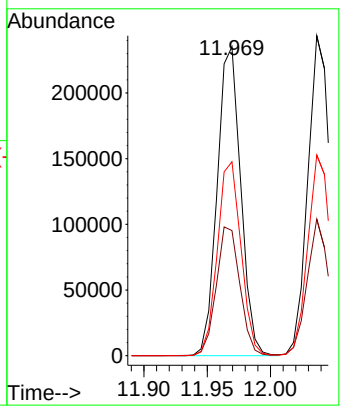




#87
1,3-Dichlorobenzene
Concen: 99.061 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:146 Resp: 30385

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	63.1	32.5	97.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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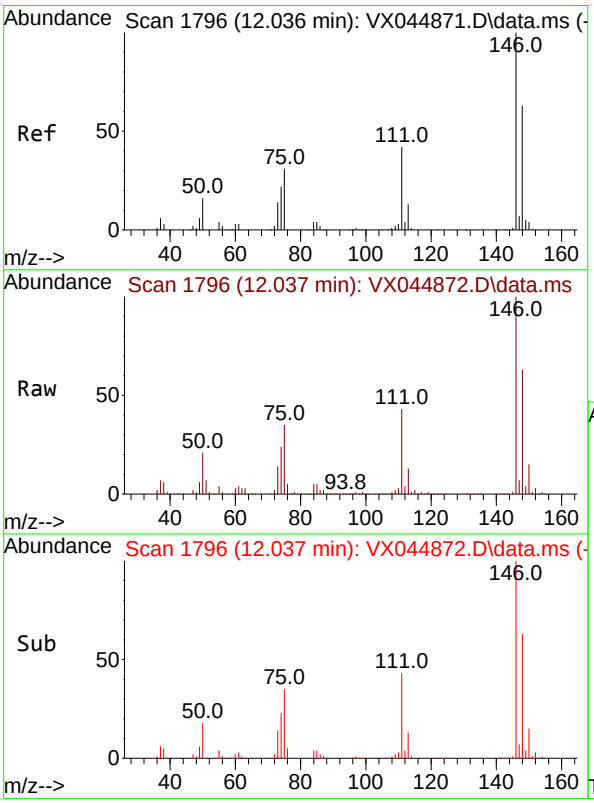
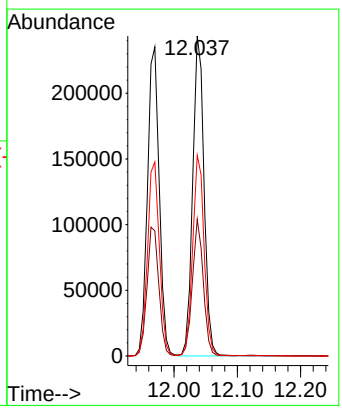
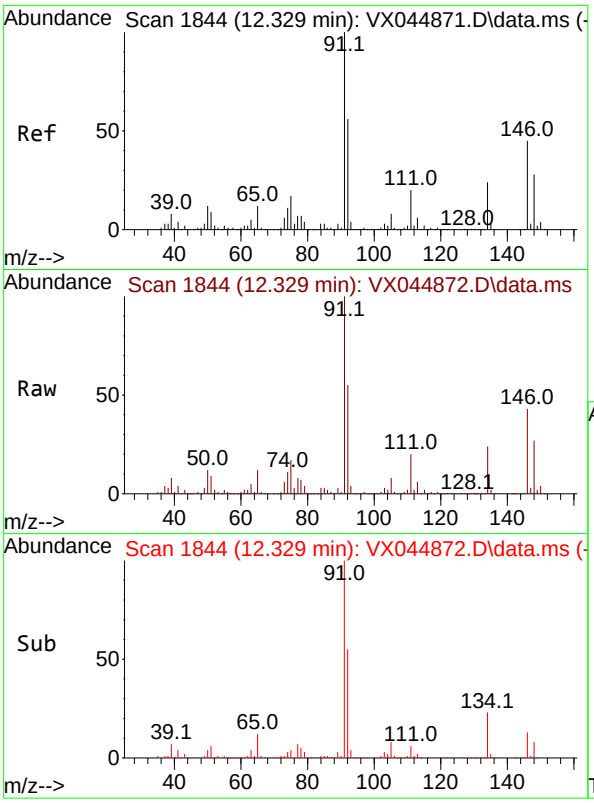


#88
1,4-Dichlorobenzene
Concen: 97.830 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:146 Resp: 303417

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	63.0	32.0	96.0

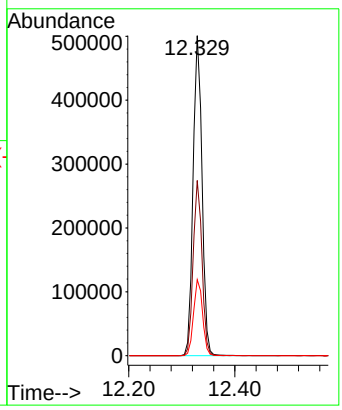




#89
n-Butylbenzene
Concen: 109.686 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 58363

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	24.0	12.1	36.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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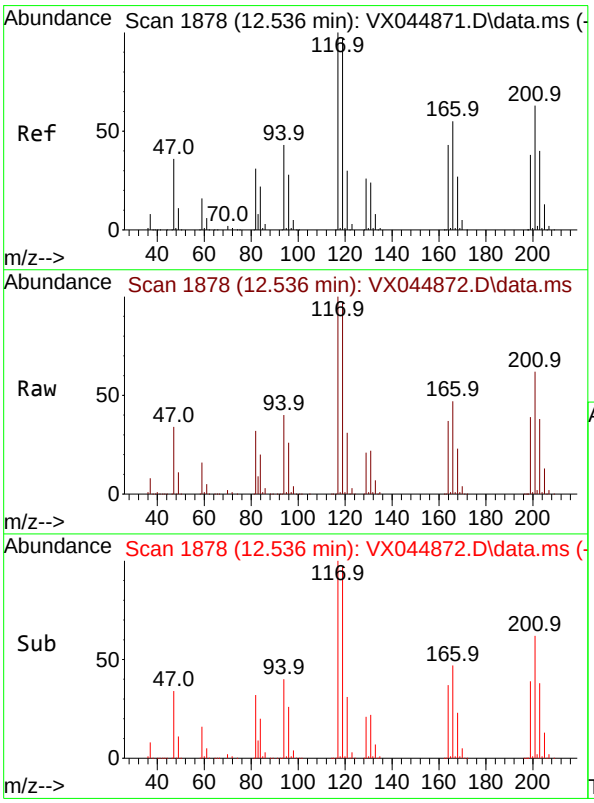
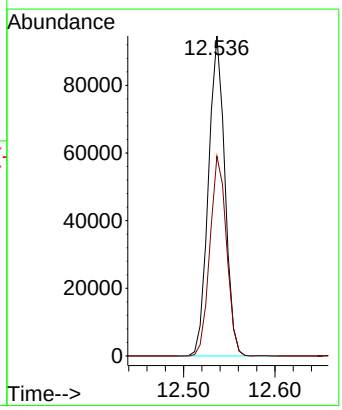
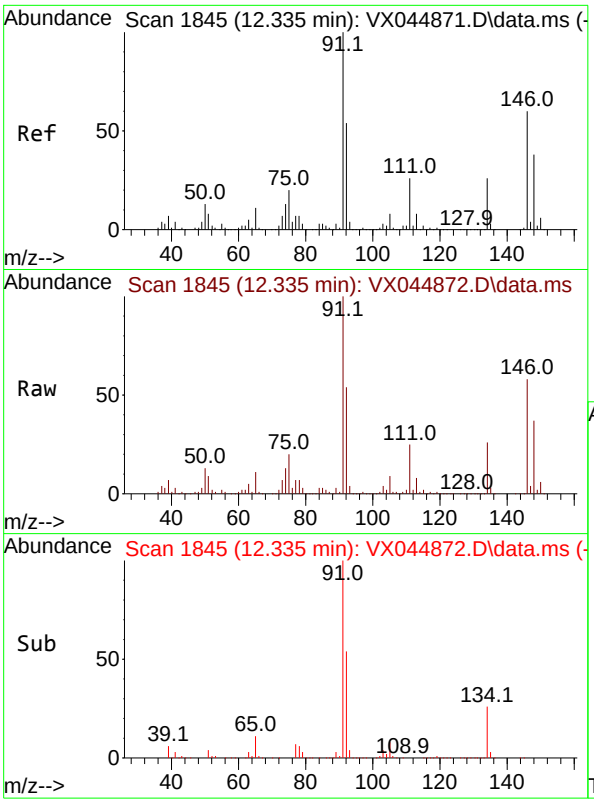


#90
Hexachloroethane
Concen: 104.365 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:117 Resp: 117533

Ion	Ratio	Lower	Upper
117	100		
201	63.4	32.5	97.5

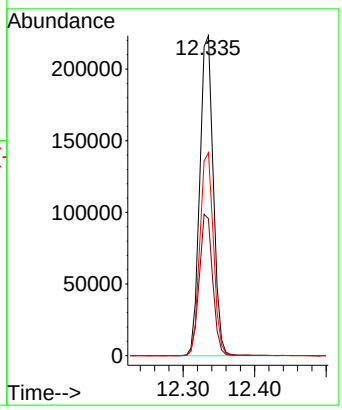




#91
1,2-Dichlorobenzene
Concen: 97.244 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:146 Resp: 29315

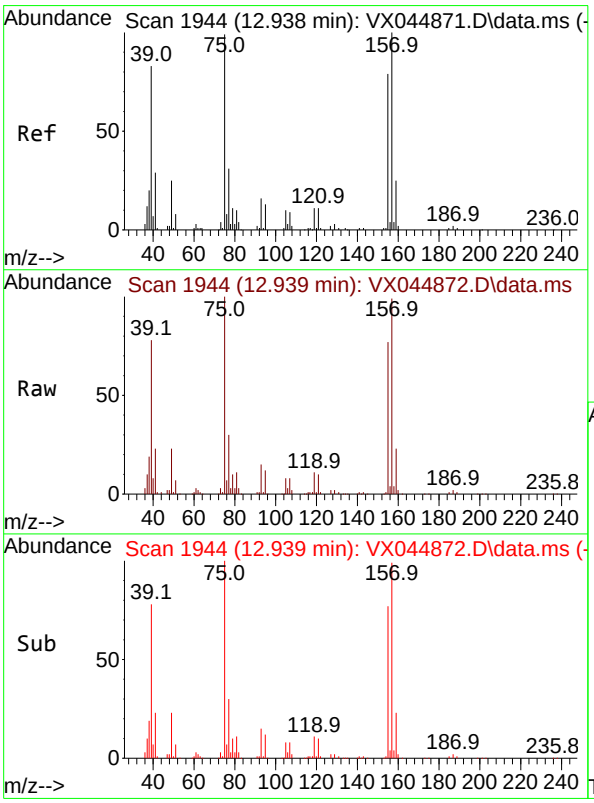
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

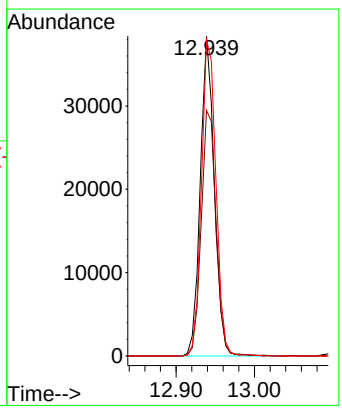
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

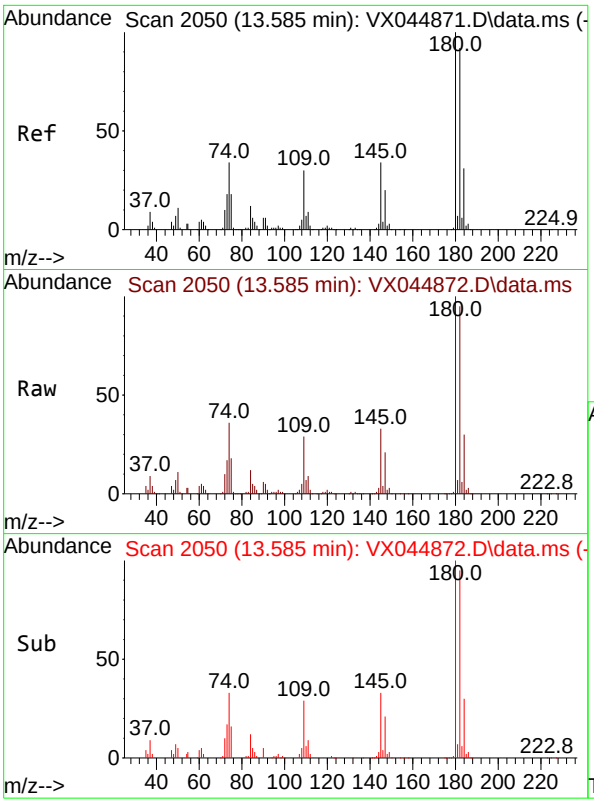


#92
1,2-Dibromo-3-Chloropropane
Concen: 103.477 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 47745

Ion	Ratio	Lower	Upper
75	100		
155	81.0	40.5	121.4
157	102.3	51.4	154.3

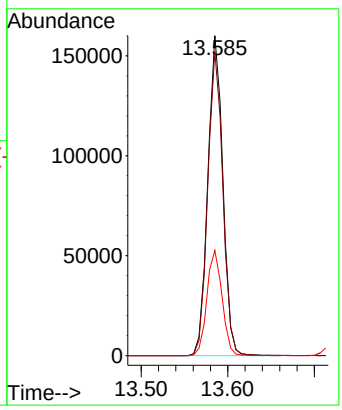




#93
1,2,4-Trichlorobenzene
Concen: 105.921 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:180 Resp: 19321

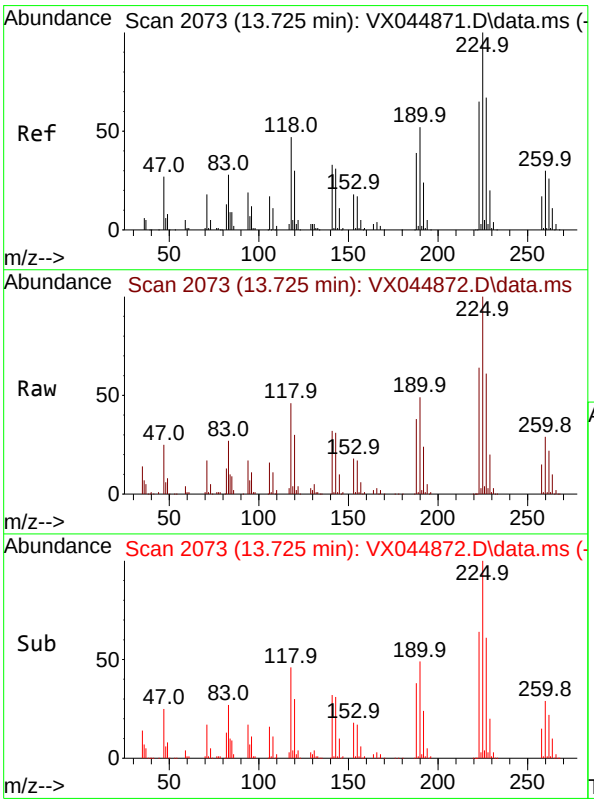
Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.8
145	33.2	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

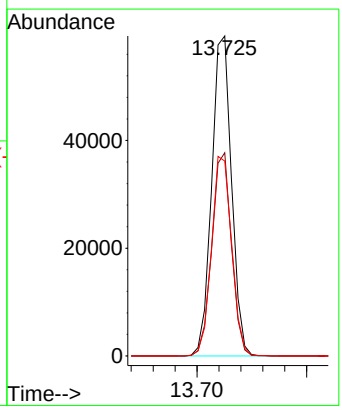
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

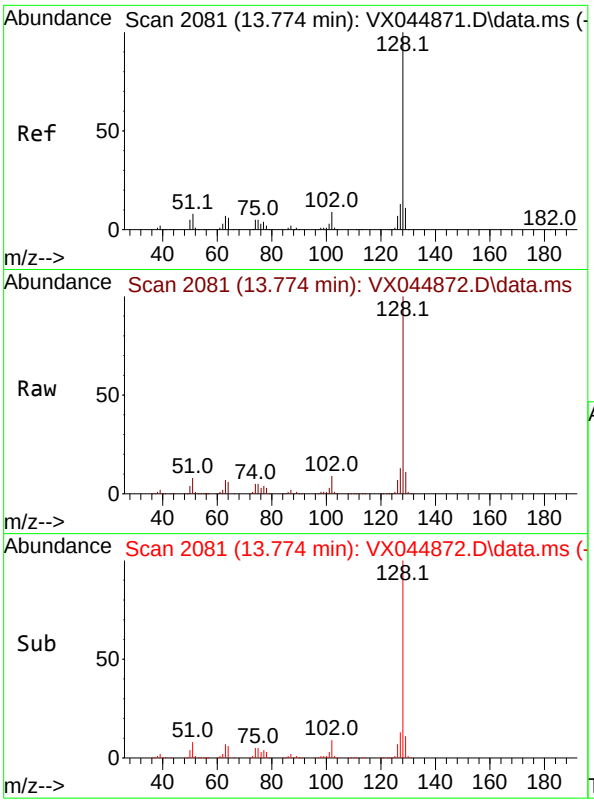


#94
Hexachlorobutadiene
Concen: 103.024 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:225 Resp: 74605

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.2
227	63.5	32.3	96.8

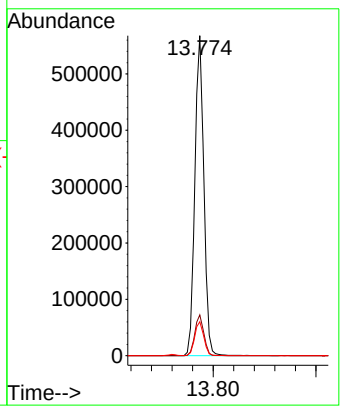




#95
Naphthalene
Concen: 104.505 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:128 Resp: 68910

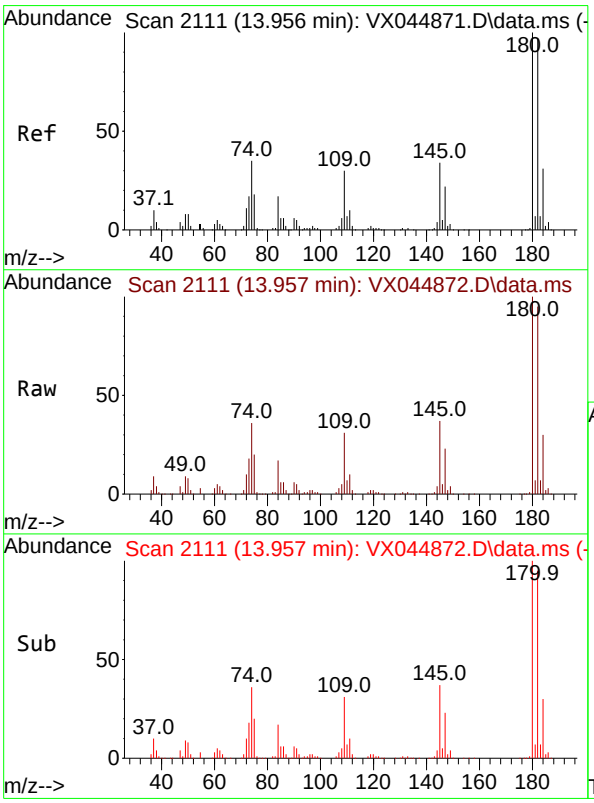
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.7	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

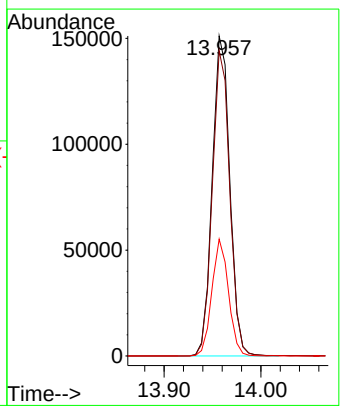
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 103.659 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:180 Resp: 190534

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.6
145	34.6	17.1	51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	125253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84836	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	280853	153.180	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 306.360%#			
35) Dibromofluoromethane	5.379	113	229218	151.572	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 303.140%#			
50) Toluene-d8	8.647	98	845632	147.877	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.760%#			
62) 4-Bromofluorobenzene	11.079	95	287486	149.124	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 298.240%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	260576	148.330	ug/l	96
3) Chloromethane	1.307	50	297968	139.361	ug/l	100
4) Vinyl Chloride	1.374	62	305986	147.723	ug/l	99
5) Bromomethane	1.593	94	92399	149.071	ug/l	96
6) Chloroethane	1.660	64	67889	130.289	ug/l	97
7) Trichlorofluoromethane	1.867	101	378664	144.558	ug/l	99
8) Diethyl Ether	2.136	74	140428	147.822	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	239215	151.147	ug/l	100
10) Methyl Iodide	2.441	142	305390	148.887	ug/l	100
11) Tert butyl alcohol	3.020	59	242430	712.734	ug/l	100
12) 1,1-Dichloroethene	2.306	96	246987	152.989	ug/l	99
13) Acrolein	2.239	56	273178	778.418	ug/l	100
14) Allyl chloride	2.654	41	438493	150.289	ug/l	97
15) Acrylonitrile	3.068	53	684234	753.423	ug/l	99
16) Acetone	2.386	43	547939	743.398	ug/l	99
17) Carbon Disulfide	2.502	76	693558	156.665	ug/l	100
18) Methyl Acetate	2.703	43	373877	160.743	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	792810	154.347	ug/l	100
20) Methylene Chloride	2.782	84	270575	149.871	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	242082	152.356	ug/l	93
22) Diisopropyl ether	3.757	45	839126	152.020	ug/l	98
23) Vinyl Acetate	3.721	43	3555031	789.993	ug/l	100
24) 1,1-Dichloroethane	3.605	63	472424	152.959	ug/l	99
25) 2-Butanone	4.556	43	914741	764.276	ug/l	98
26) 2,2-Dichloropropane	4.471	77	382167	156.029	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	292864	153.446	ug/l	99
28) Bromochloromethane	4.891	49	217387	146.458	ug/l	98
29) Tetrahydrofuran	5.001	42	596045	749.977	ug/l	99
30) Chloroform	5.086	83	453809	151.509	ug/l	99
31) Cyclohexane	5.458	56	423464	148.722	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	386162	151.996	ug/l	99
36) 1,1-Dichloropropene	5.684	75	324182	148.585	ug/l	100
37) Ethyl Acetate	4.715	43	368763	151.956	ug/l	99
38) Carbon Tetrachloride	5.672	117	320536	149.921	ug/l	98
39) Methylcyclohexane	7.373	83	443218	157.130	ug/l	99
40) Benzene	6.031	78	1014129	148.856	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	206155	158.707	ug/l		100
42) 1,2-Dichloroethane	6.080	62	336520	154.984	ug/l		99
43) Isopropyl Acetate	6.336	43	617516	157.575	ug/l		99
44) Trichloroethene	7.117	130	239030	153.496	ug/l		99
45) 1,2-Dichloropropane	7.427	63	259454	153.076	ug/l		100
46) Dibromomethane	7.574	93	179689	152.870	ug/l		99
47) Bromodichloromethane	7.818	83	357623	157.128	ug/l		98
48) Methyl methacrylate	7.690	41	297931	161.236	ug/l		99
49) 1,4-Dioxane	7.665	88	106175	2678.192	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	1736538	728.887	ug/l		100
52) Toluene	8.714	92	603113	148.645	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	378639	164.398	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	417724	162.667	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	229548	147.172	ug/l		98
56) Ethyl methacrylate	9.116	69	398535	158.205	ug/l		99
57) 1,3-Dichloropropane	9.305	76	403665	147.915	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	982120	794.010	ug/l		100
59) 2-Hexanone	9.433	43	1264470	736.622	ug/l		99
60) Dibromochloromethane	9.519	129	258320	154.862	ug/l		99
61) 1,2-Dibromoethane	9.604	107	240539	152.157	ug/l		99
64) Tetrachloroethene	9.269	164	184990	149.155	ug/l		96
65) Chlorobenzene	10.073	112	634550	150.224	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	212441	156.255	ug/l		99
67) Ethyl Benzene	10.189	91	1137842	152.647	ug/l		100
68) m/p-Xylenes	10.299	106	818971	297.841	ug/l		98
69) o-Xylene	10.640	106	401928	145.674	ug/l		99
70) Styrene	10.653	104	671843	151.140	ug/l		98
71) Bromoform	10.799	173	169481	167.033	ug/l	#	98
73) Isopropylbenzene	10.957	105	1037402	151.869	ug/l		99
74) N-amyl acetate	10.841	43	521962	168.861	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	346013	147.409	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	284934m	151.485	ug/l		
77) Bromobenzene	11.195	156	234957	151.715	ug/l		99
78) n-propylbenzene	11.305	91	1231079	156.140	ug/l		99
79) 2-Chlorotoluene	11.360	91	717766	148.123	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	822707	148.415	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	126660	173.221	ug/l		98
82) 4-Chlorotoluene	11.451	91	818099	152.602	ug/l		99
83) tert-Butylbenzene	11.713	119	838979	149.610	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	838584	153.274	ug/l		99
85) sec-Butylbenzene	11.890	105	1061101	152.806	ug/l		100
86) p-Isopropyltoluene	12.006	119	865491	154.987	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	433384	152.175	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	432987	150.362	ug/l		100
89) n-Butylbenzene	12.329	91	827359	167.469	ug/l		100
90) Hexachloroethane	12.536	117	175414	167.760	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	417167	149.042	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	73593	171.783	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	283004	167.095	ug/l		98
94) Hexachlorobutadiene	13.725	225	104674	155.682	ug/l		97
95) Naphthalene	13.774	128	1015801	165.916	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	282289	165.408	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

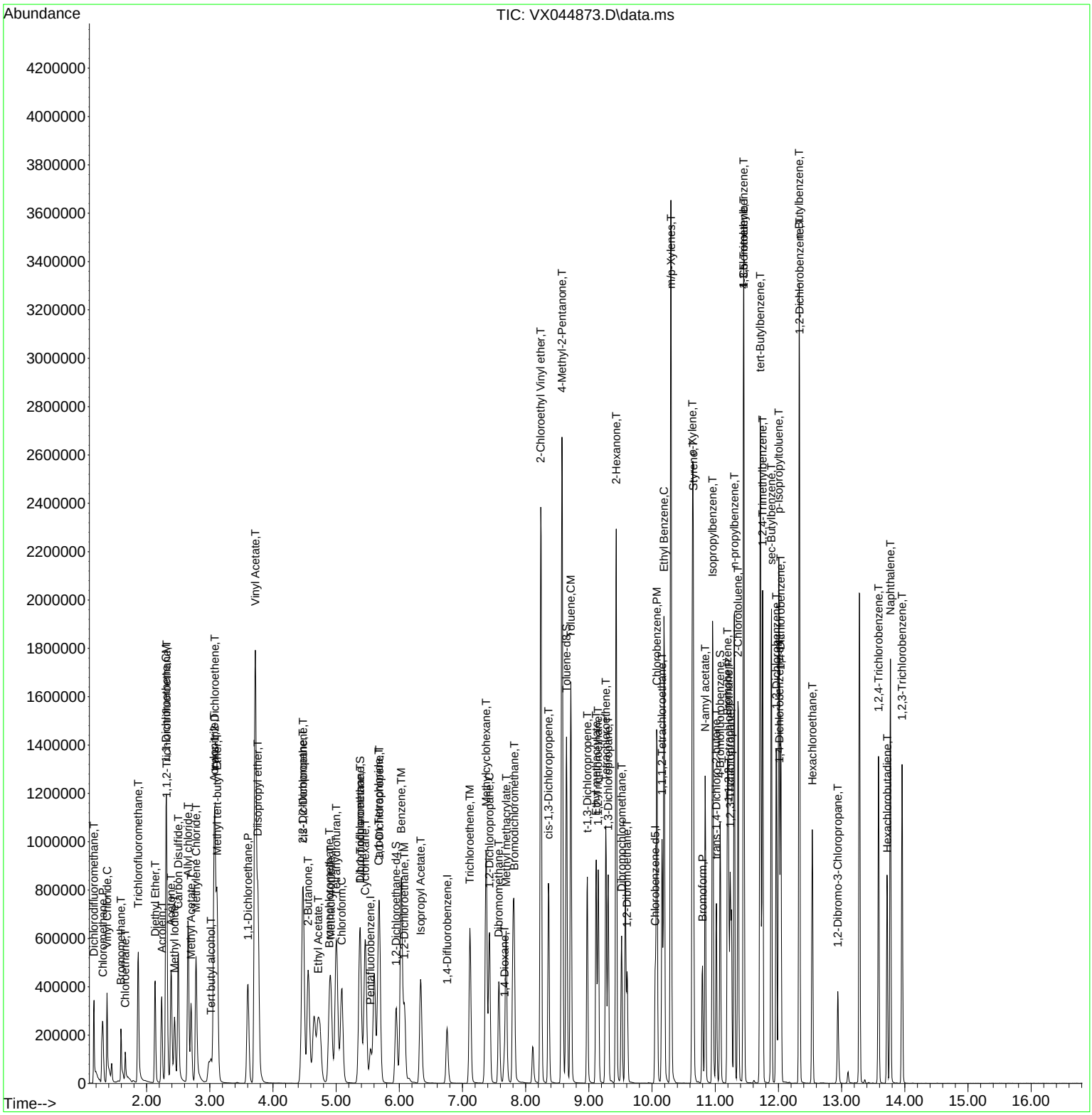
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

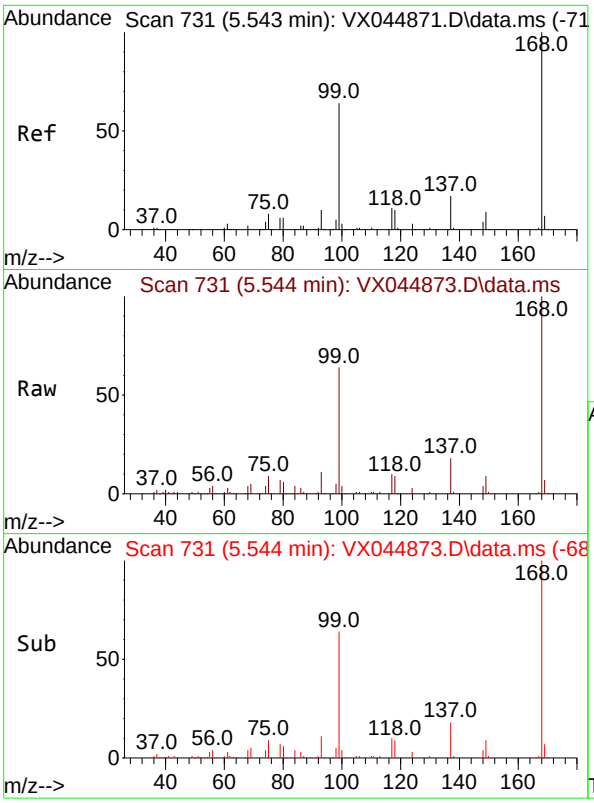
Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

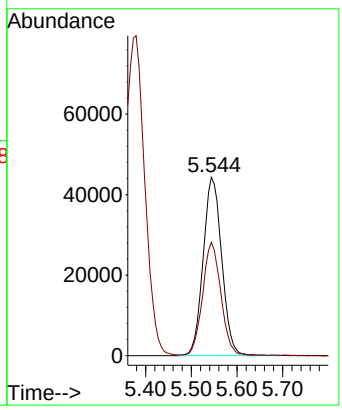




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:168 Resp: 12525

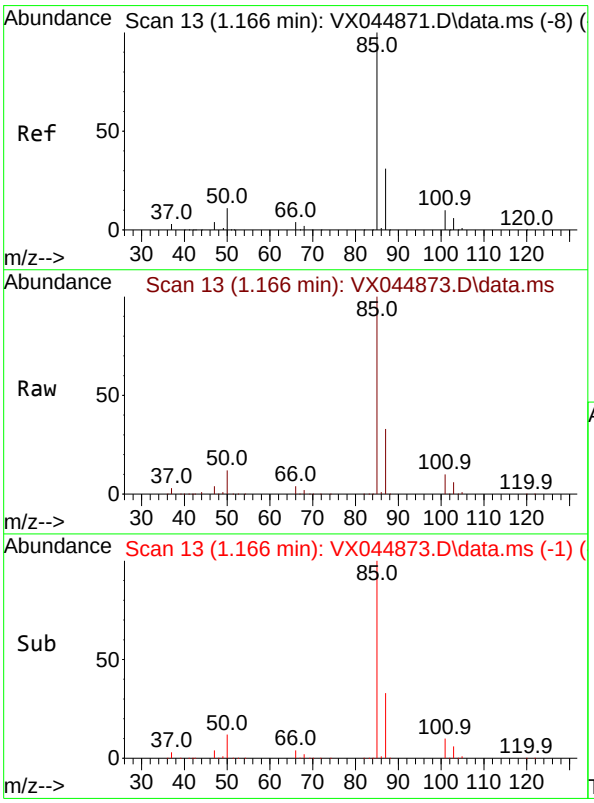
Ion	Ratio	Lower	Upper
168	100		
99	63.2	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

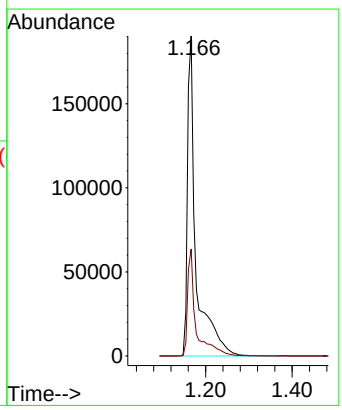
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

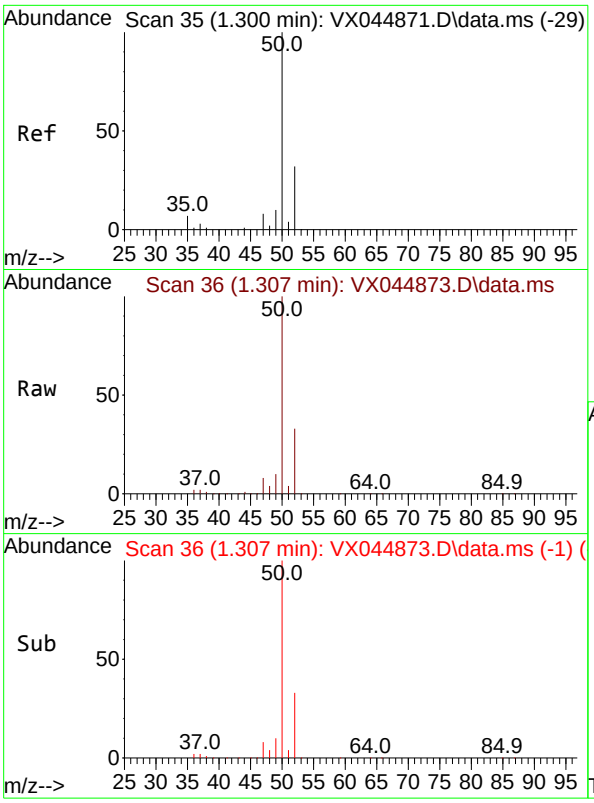


#2
Dichlorodifluoromethane
Concen: 148.330 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 85 Resp: 260576

Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.8	47.3

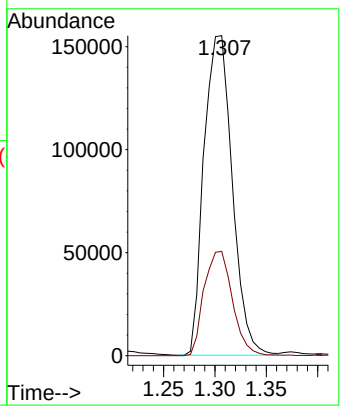




#3
Chloromethane
Concen: 139.361 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 50 Resp: 29796

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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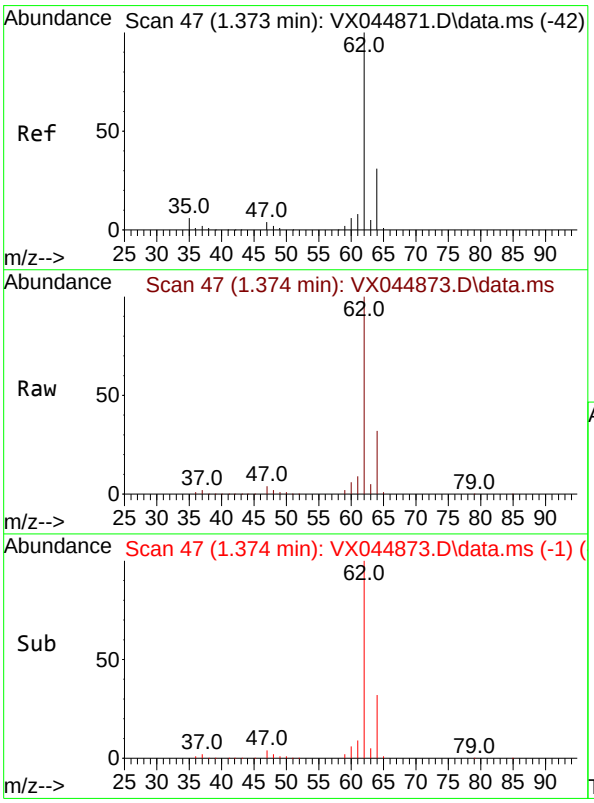
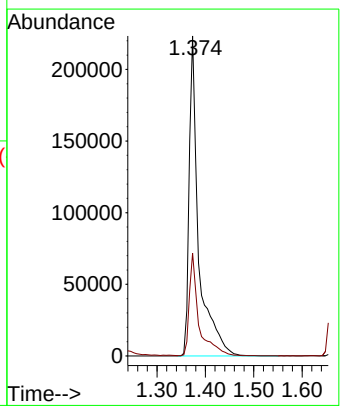
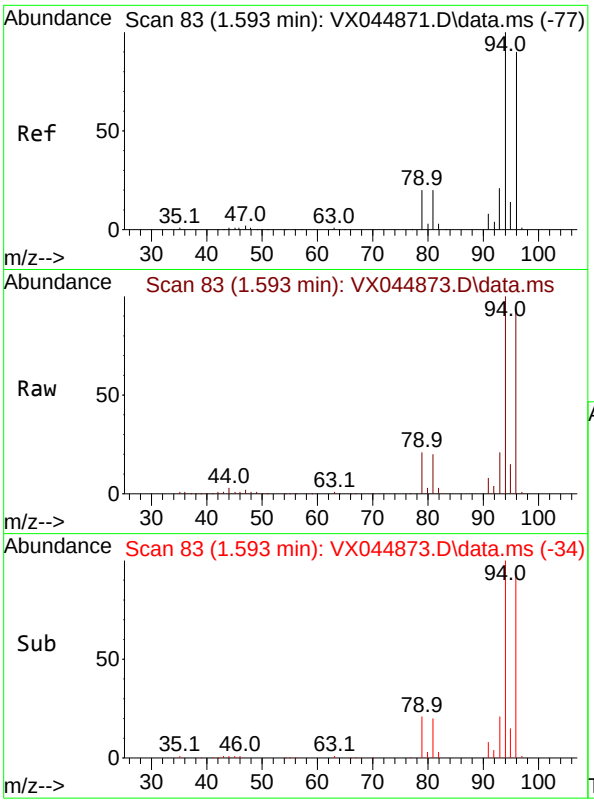


#4
Vinyl Chloride
Concen: 147.723 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 305986

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.4	38.0

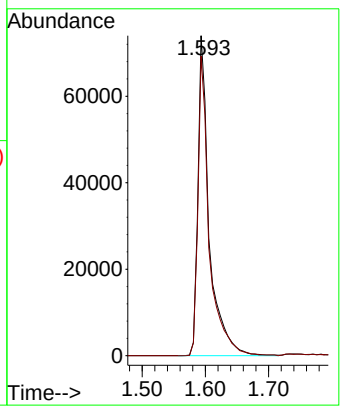




#5
Bromomethane
Concen: 149.071 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 94 Resp: 9239

Ion	Ratio	Lower	Upper
94	100		
96	93.6	71.6	107.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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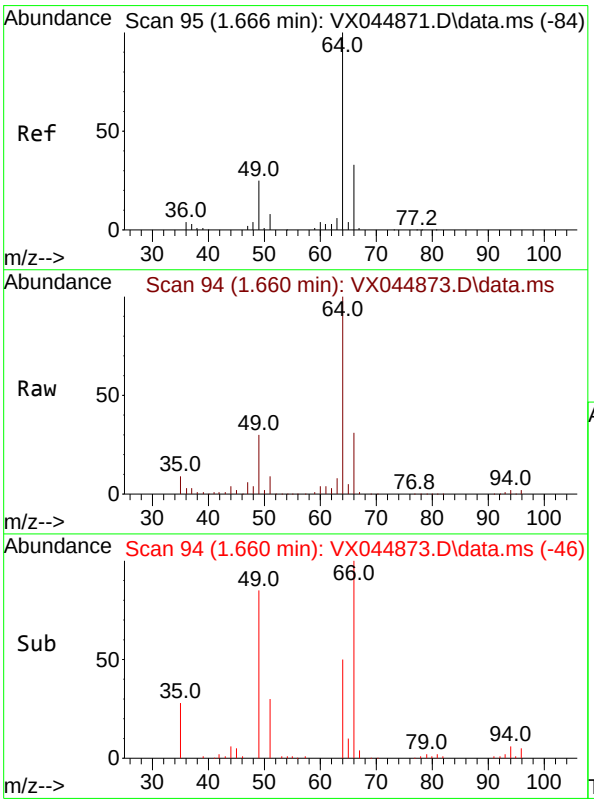
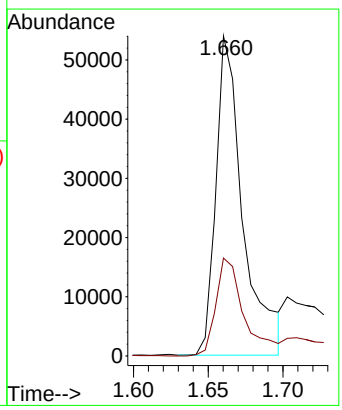
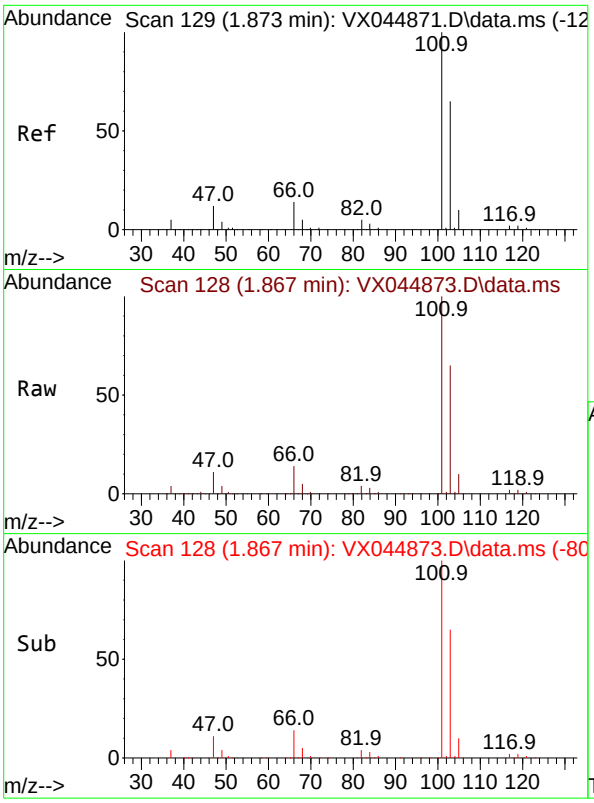


#6
Chloroethane
Concen: 130.289 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 64 Resp: 67889

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.9	38.9

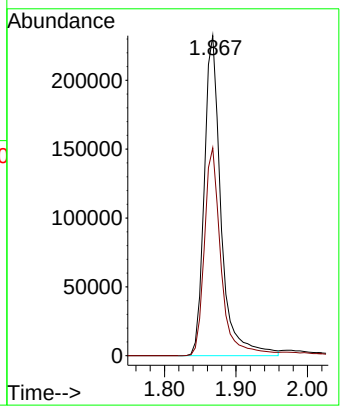




#7
Trichlorofluoromethane
Concen: 144.558 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:101 Resp: 37866

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.4	78.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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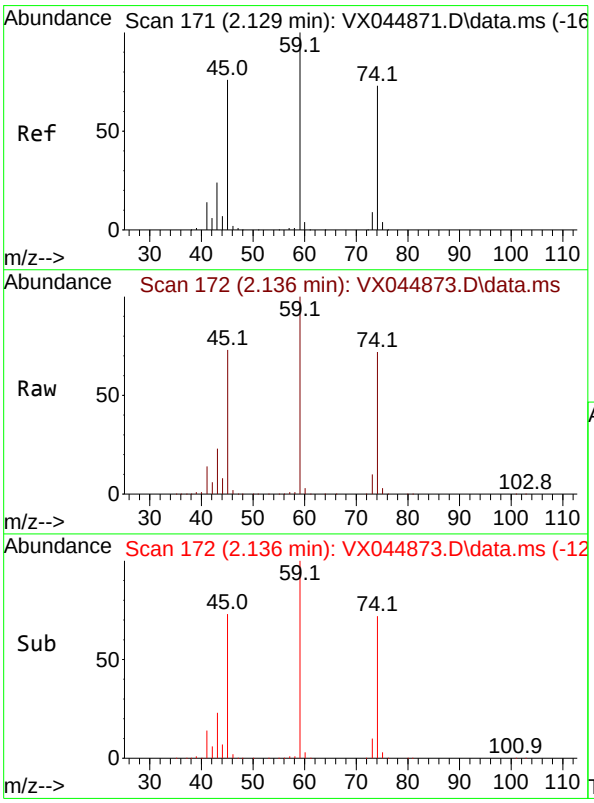
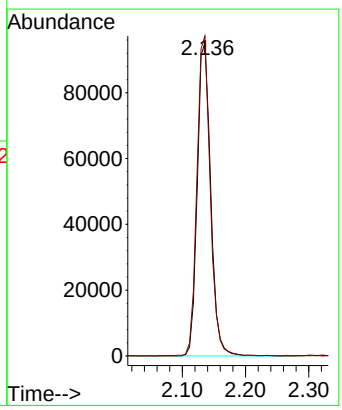
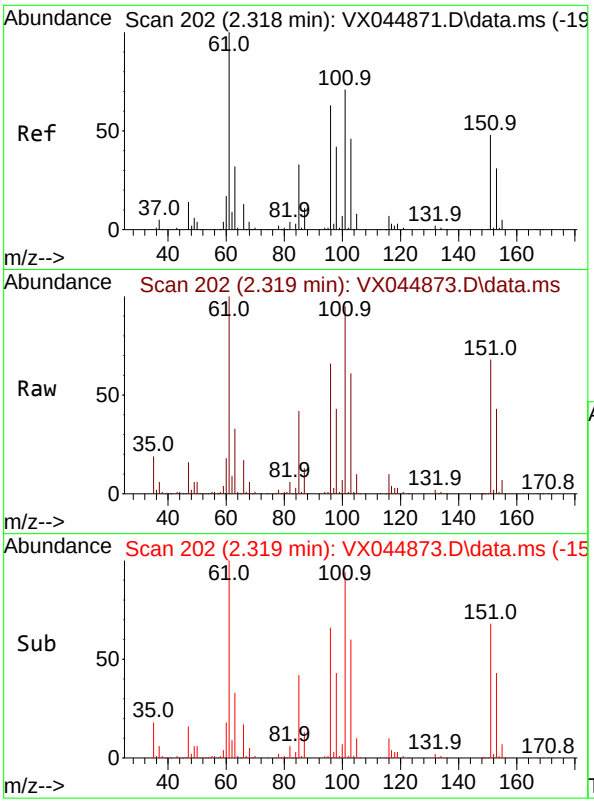


#8
Diethyl Ether
Concen: 147.822 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 74 Resp: 140428

Ion	Ratio	Lower	Upper
74	100		
45	102.1	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.147 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:101 Resp: 23921

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.7	53.5
151	70.2	56.0	84.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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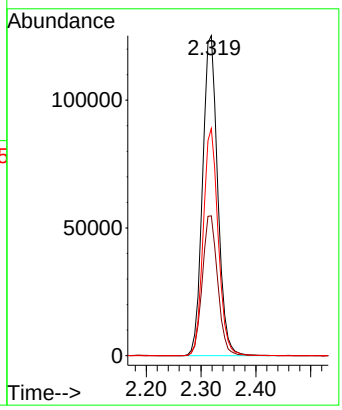
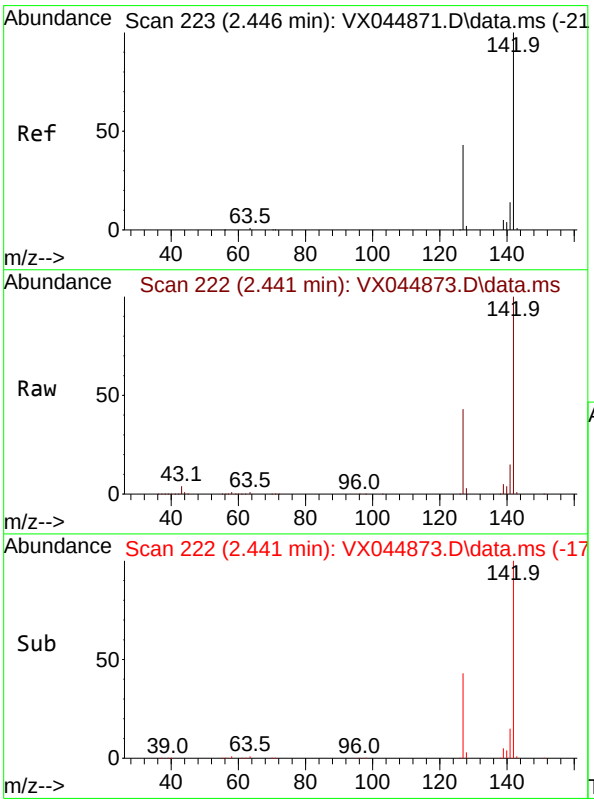
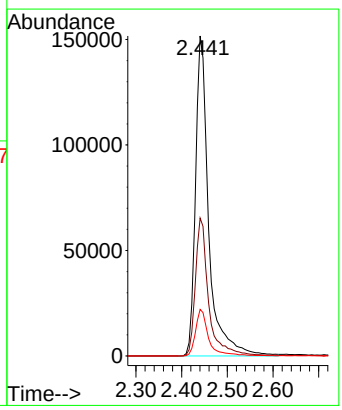


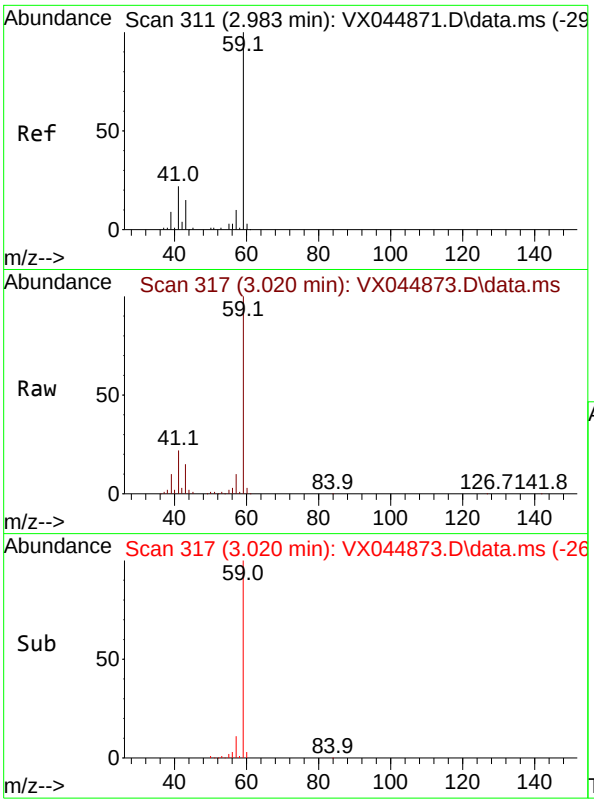


#10
Methyl Iodide
Concen: 148.887 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:142 Resp: 305390

Ion	Ratio	Lower	Upper
142	100		
127	43.1	34.3	51.5
141	14.4	11.4	17.2

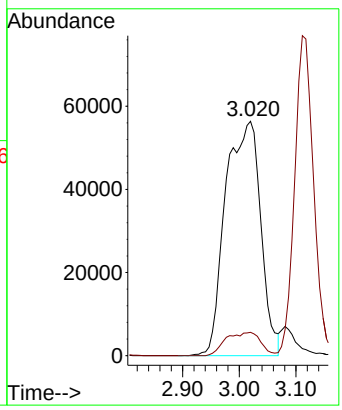




#11
Tert butyl alcohol
Concen: 712.734 ug/l
RT: 3.020 min Scan# 3
Delta R.T. 0.037 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 59 Resp: 24243

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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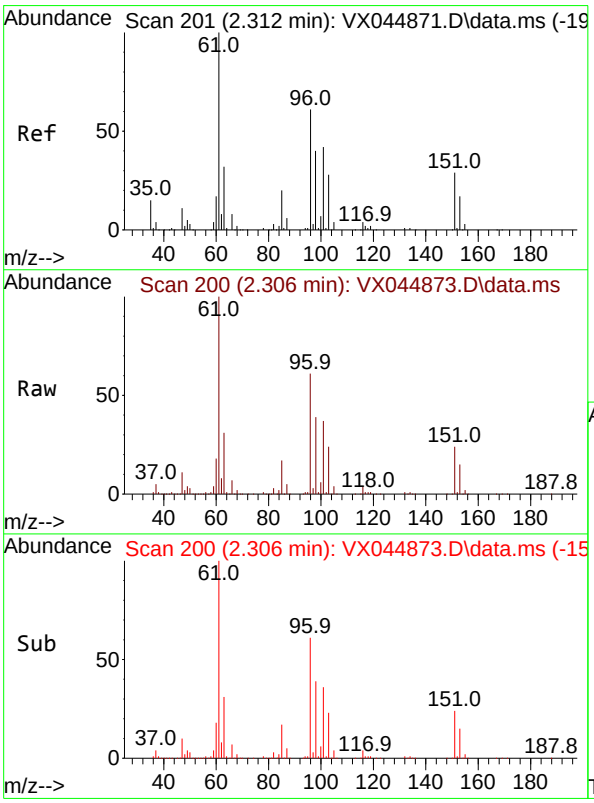
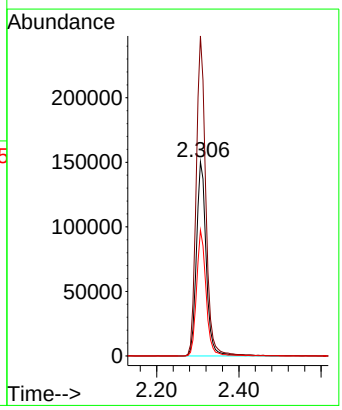
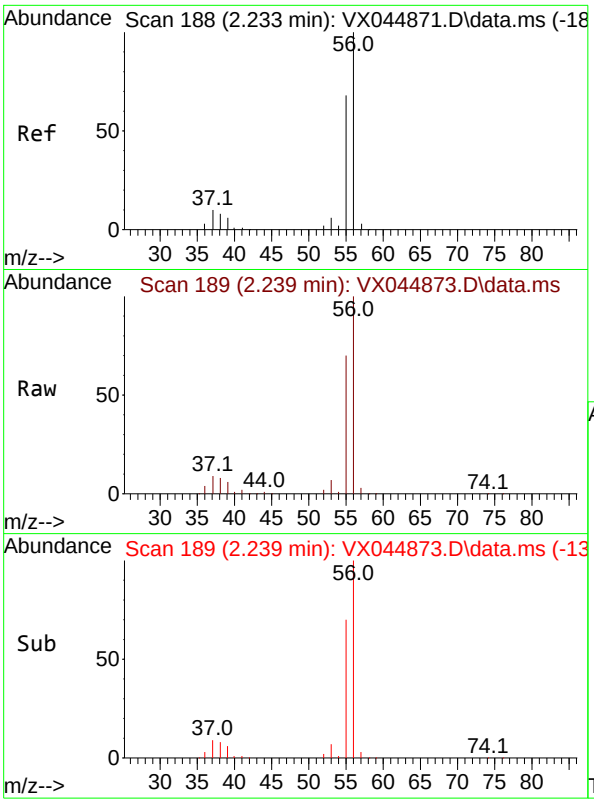


#12
1,1-Dichloroethene
Concen: 152.989 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 96 Resp: 246987

Ion	Ratio	Lower	Upper
96	100		
61	164.9	130.2	195.4
98	64.8	52.2	78.4

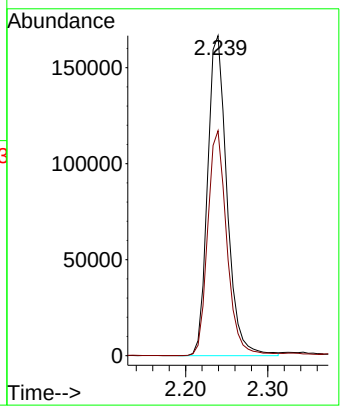




#13
Acrolein
Concen: 778.418 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 56 Resp: 27317

Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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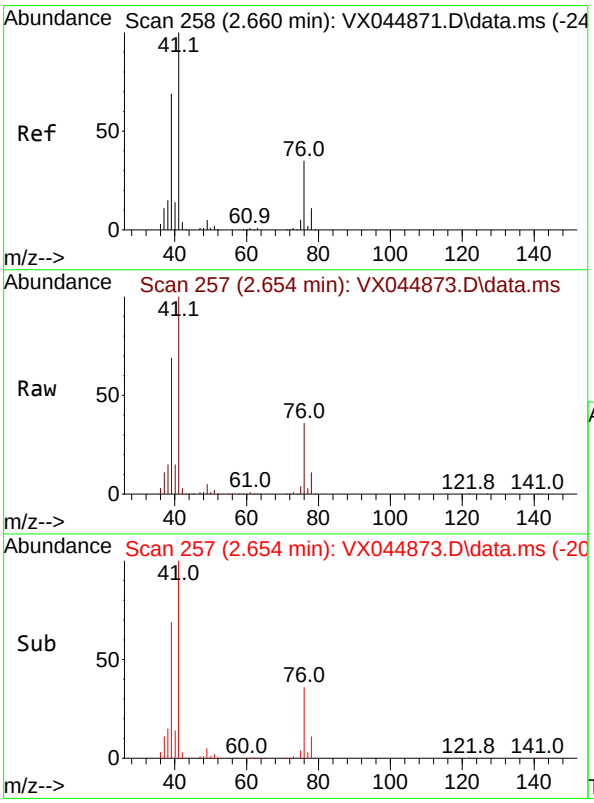
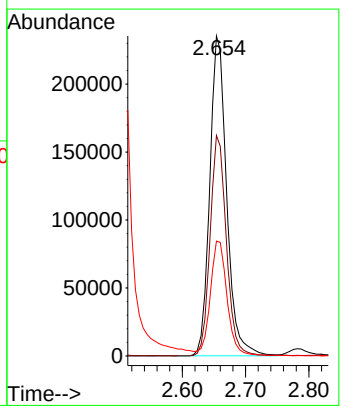
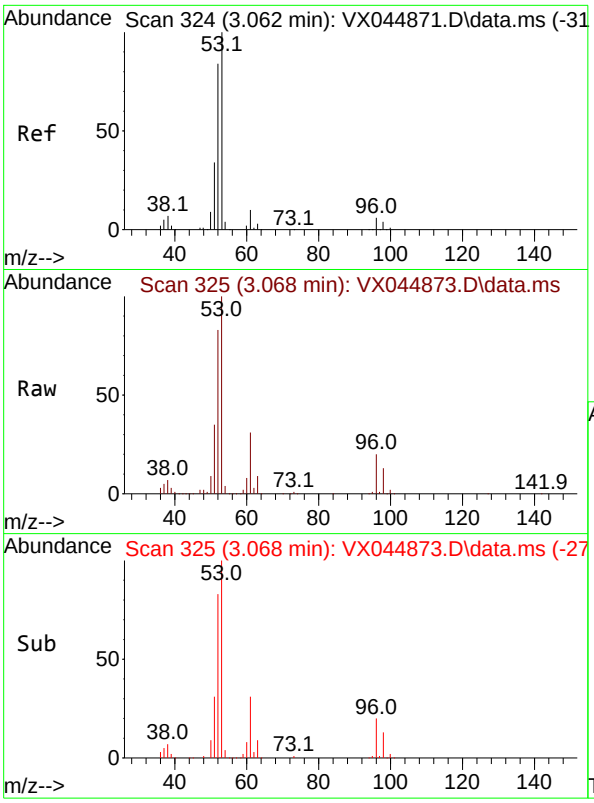


#14
Allyl chloride
Concen: 150.289 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 438493

Ion	Ratio	Lower	Upper
41	100		
39	66.1	51.4	77.2
76	35.7	27.0	40.4

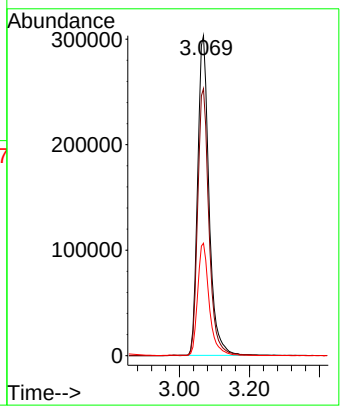




#15
Acrylonitrile
Concen: 753.423 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 53 Resp: 68423

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.0	97.6
51	35.2	28.0	42.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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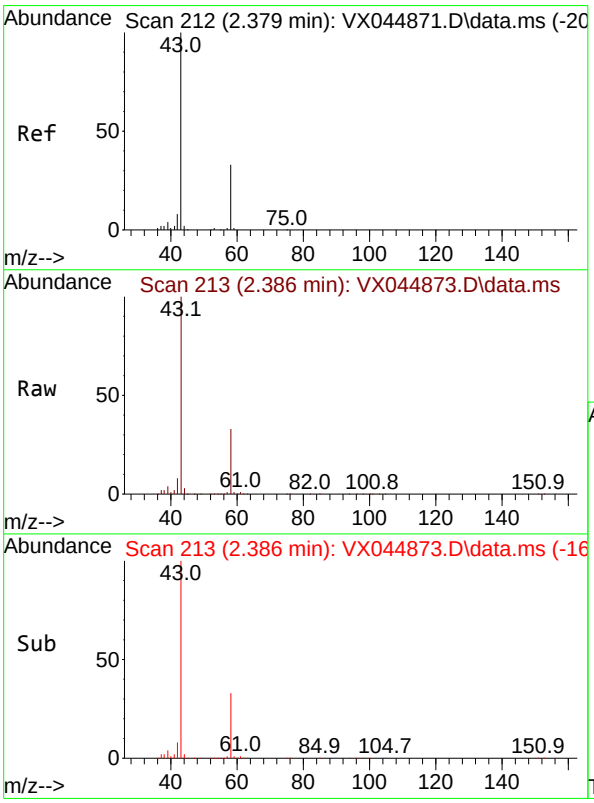
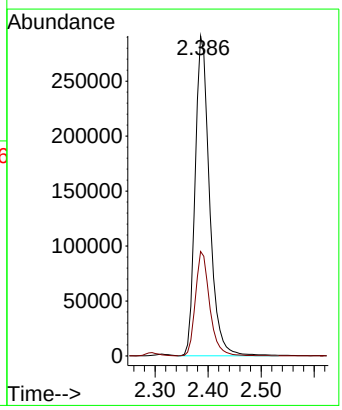
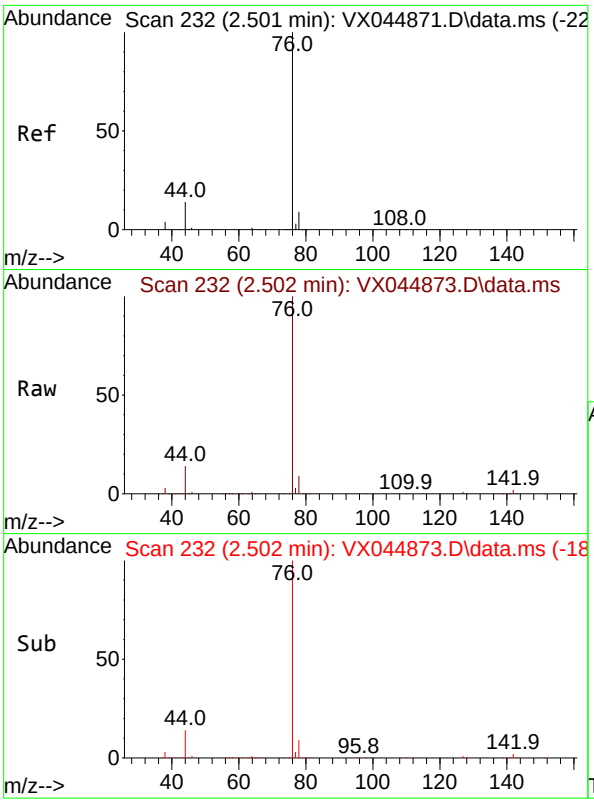


#16
Acetone
Concen: 743.398 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 547939

Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7

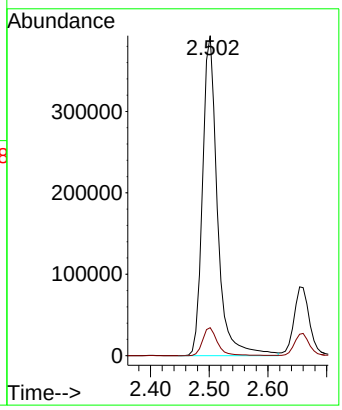




#17
Carbon Disulfide
Concen: 156.665 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 76 Resp: 69355

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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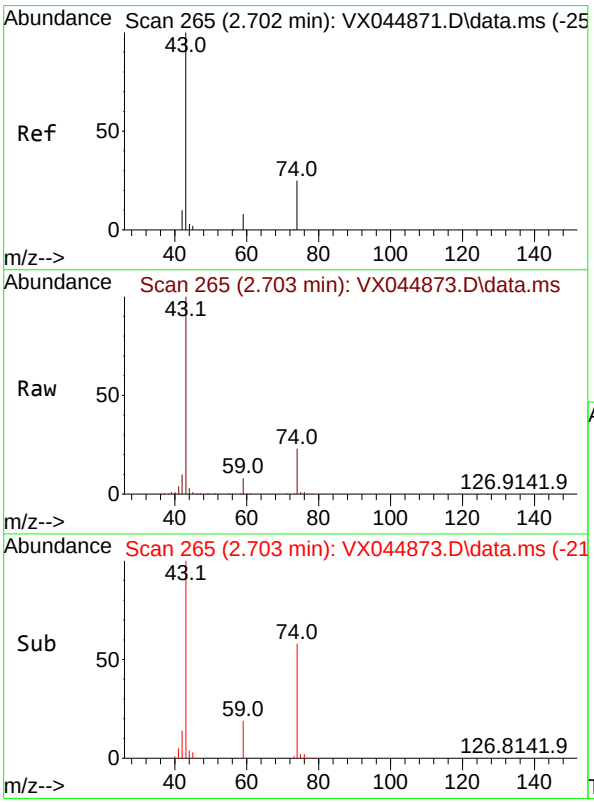
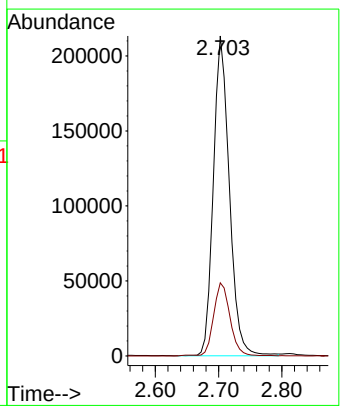
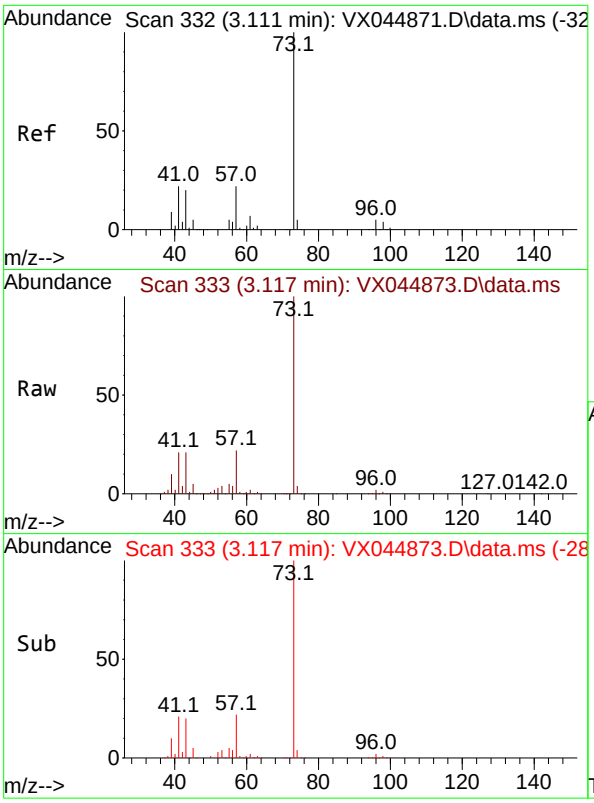


#18
Methyl Acetate
Concen: 160.743 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 373877

Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3

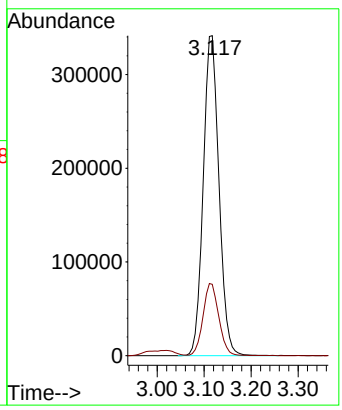




#19
Methyl tert-butyl Ether
Concen: 154.347 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 73 Resp: 79281

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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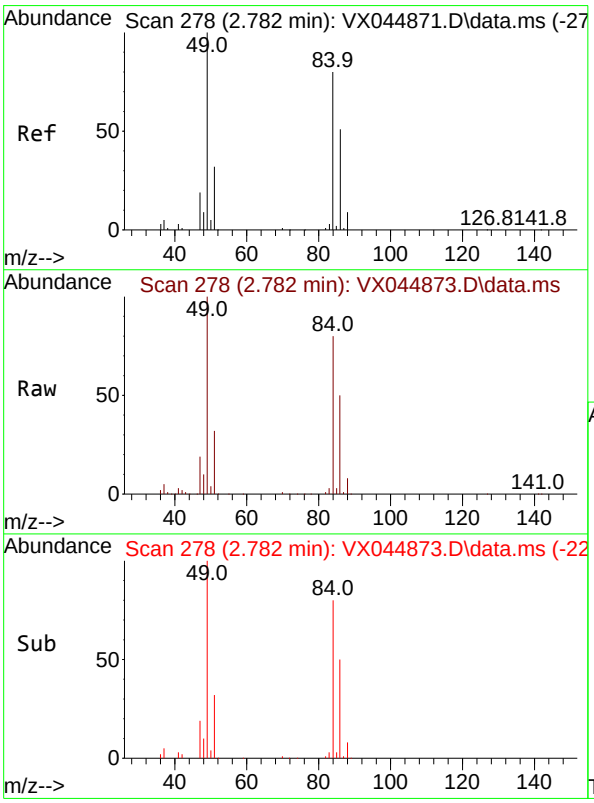
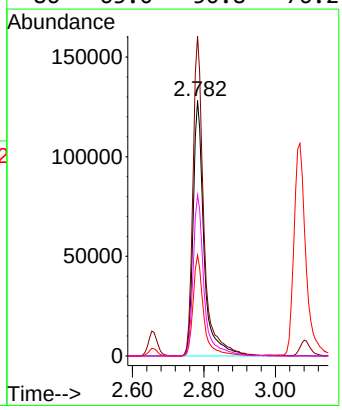
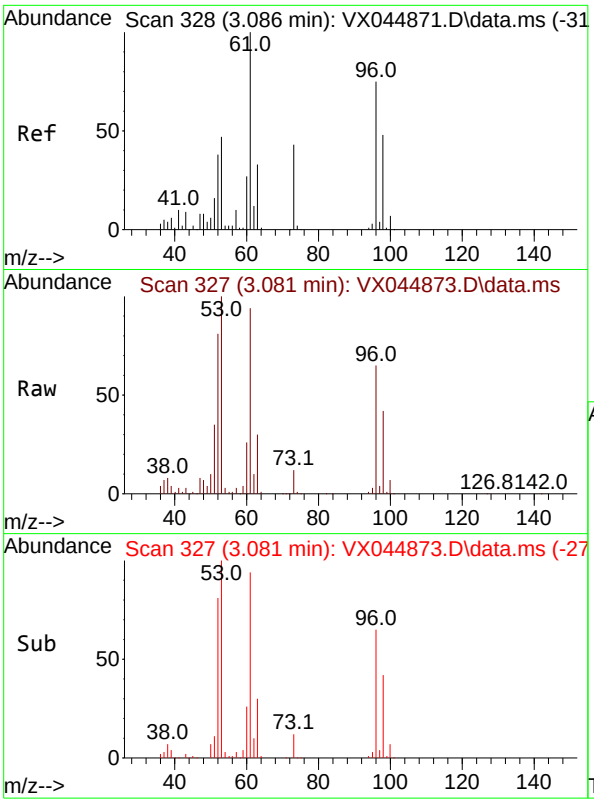


#20
Methylene Chloride
Concen: 149.871 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 84 Resp: 270575

Ion	Ratio	Lower	Upper
84	100		
49	125.2	100.1	150.1
51	39.5	31.7	47.5
86	63.0	50.8	76.2

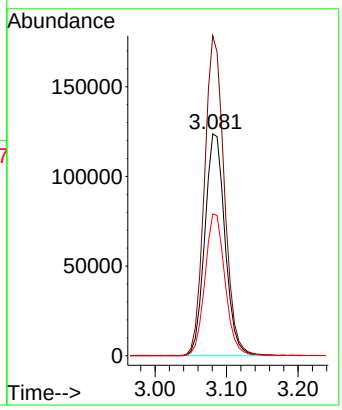




#21
trans-1,2-Dichloroethene
Concen: 152.356 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 96 Resp: 24208

Ion	Ratio	Lower	Upper
96	100		
61	144.2	106.0	159.0
98	63.9	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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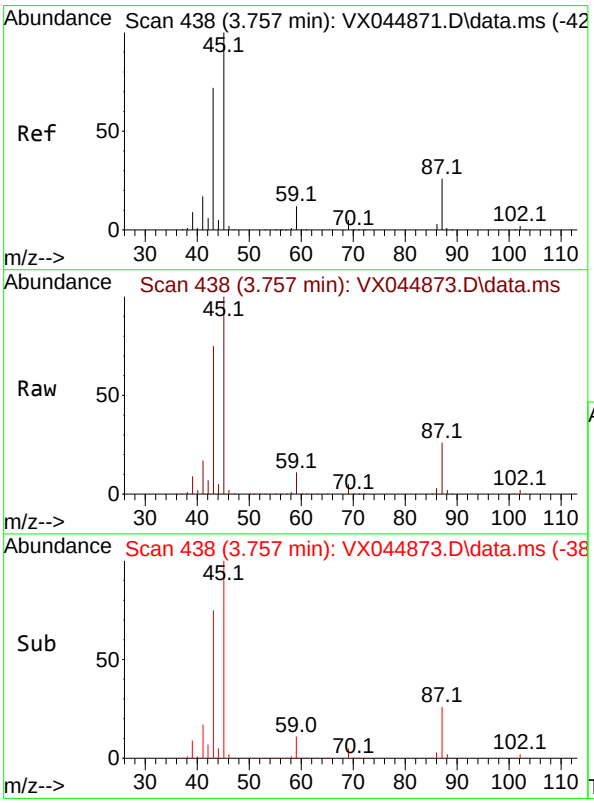
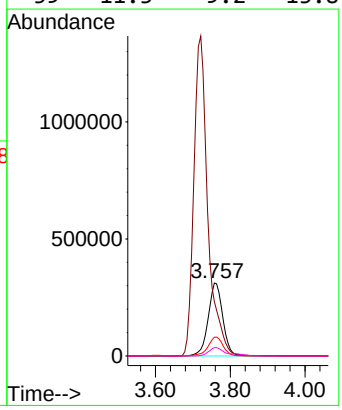
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

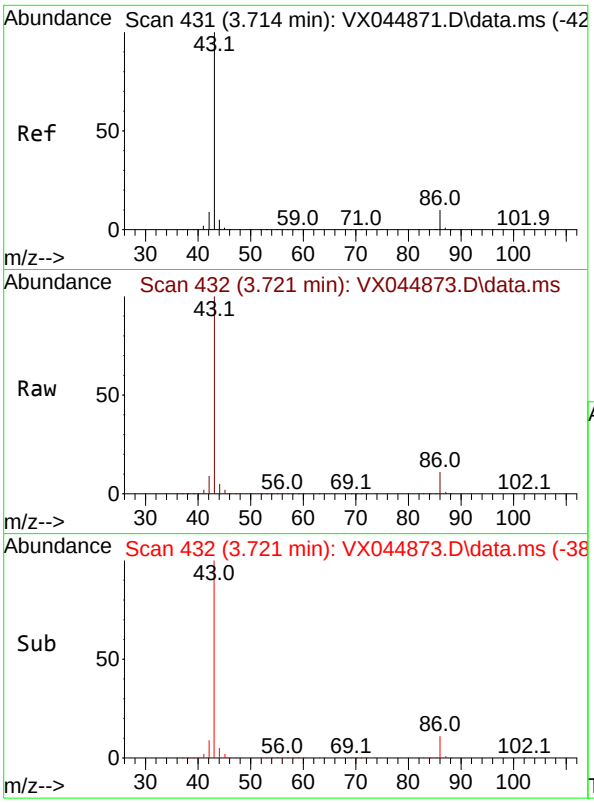


#22
Diisopropyl ether
Concen: 152.020 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 45 Resp: 839126

Ion	Ratio	Lower	Upper
45	100		
43	74.6	58.0	87.0
87	25.8	20.7	31.1
59	11.3	9.2	13.8





#23
Vinyl Acetate
Concen: 789.993 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 355503

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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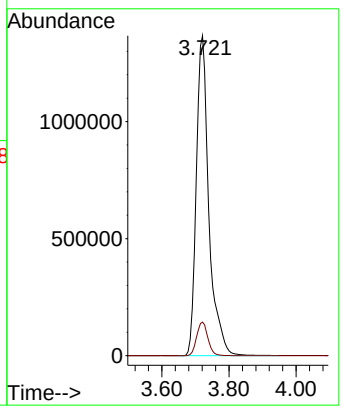
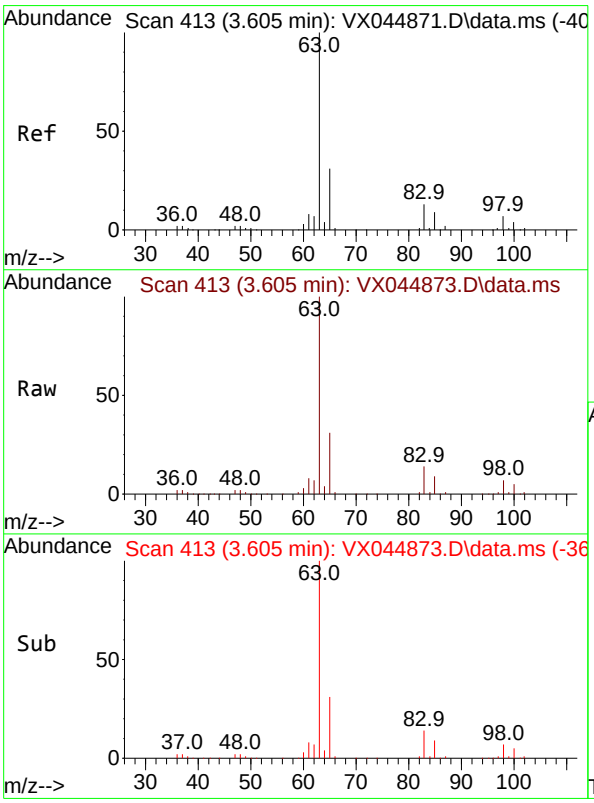
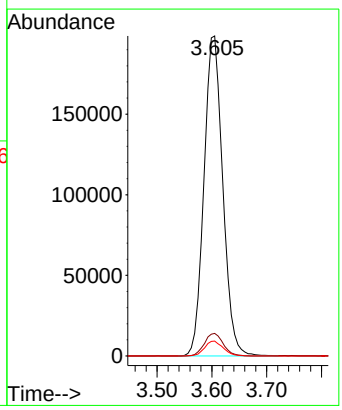


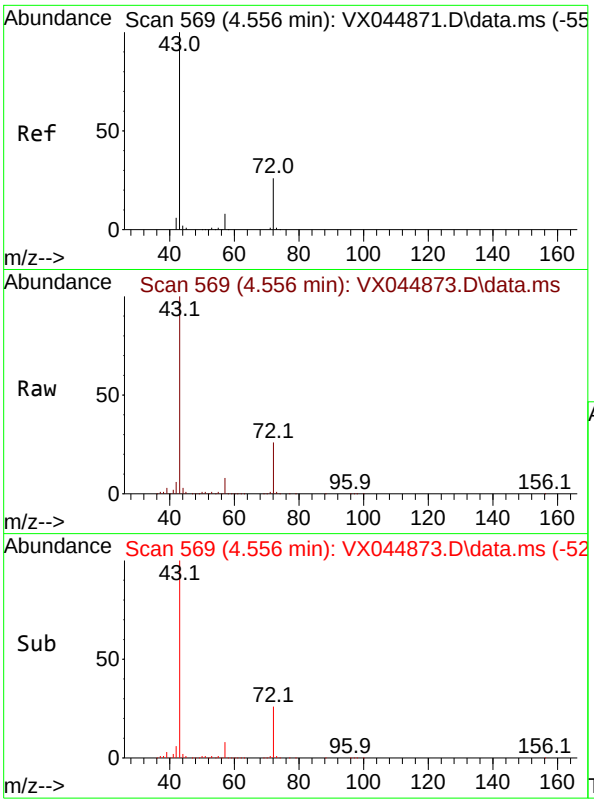


#24
1,1-Dichloroethane
Concen: 152.959 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 472424

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.9
100	4.6	2.1	6.5





#25
2-Butanone
Concen: 764.276 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 91474

Ion	Ratio	Lower	Upper
43	100		
72	25.6	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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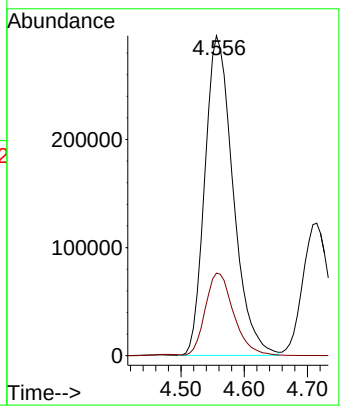
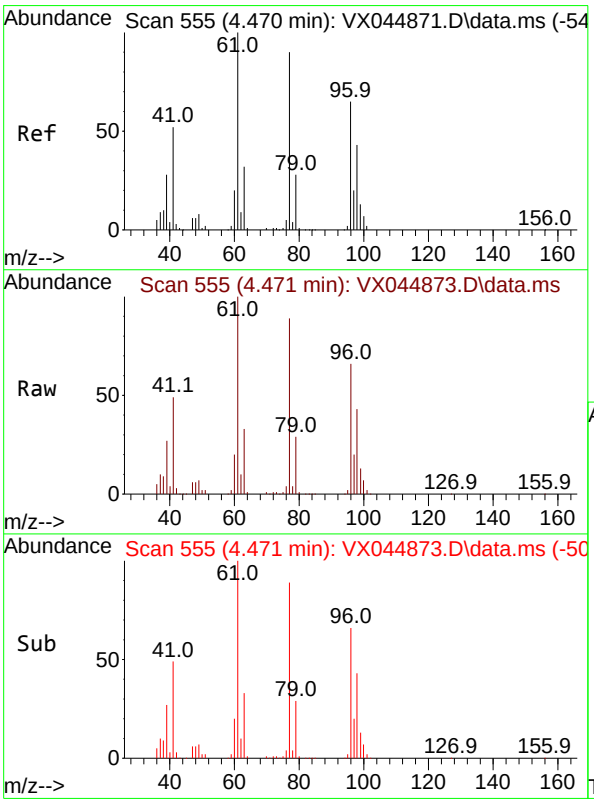
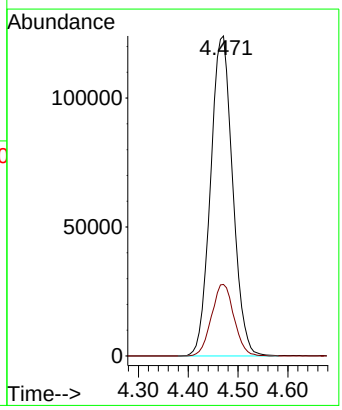


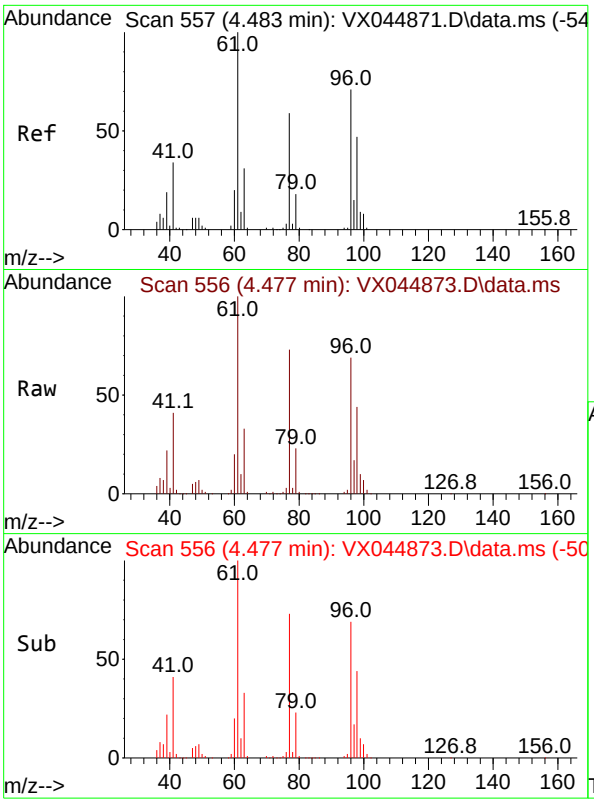


#26
2,2-Dichloropropane
Concen: 156.029 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 77 Resp: 382167

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.8	35.3

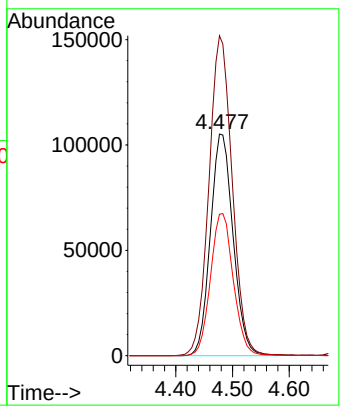




#27
cis-1,2-Dichloroethene
Concen: 153.446 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 96 Resp: 29286

Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	294.0
98	64.6	0.0	131.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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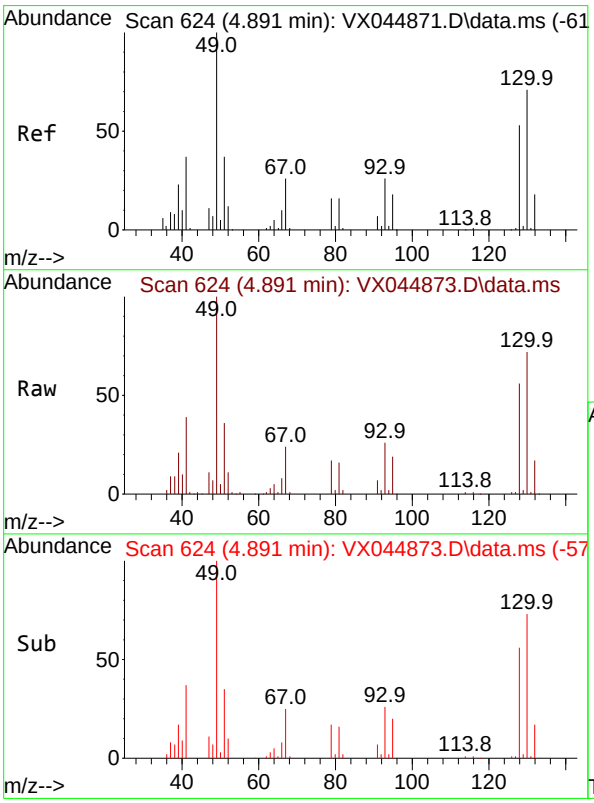
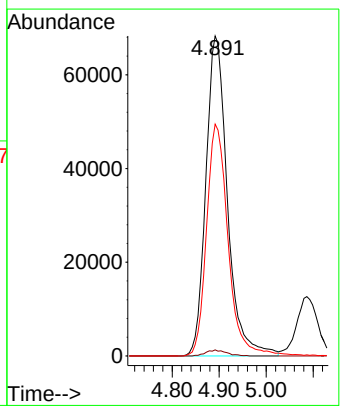
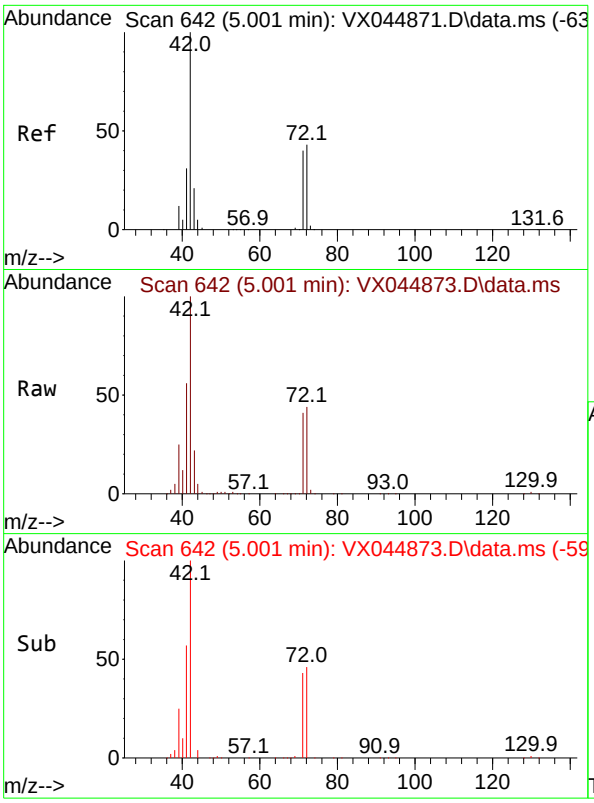


#28
Bromochloromethane
Concen: 146.458 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 49 Resp: 217387

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	72.6	56.7	85.1

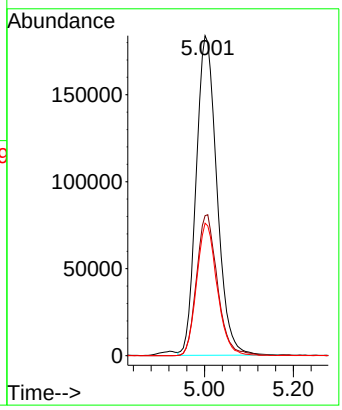




#29
Tetrahydrofuran
Concen: 749.977 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 42 Resp: 59604

Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.0	52.4
71	41.0	32.6	48.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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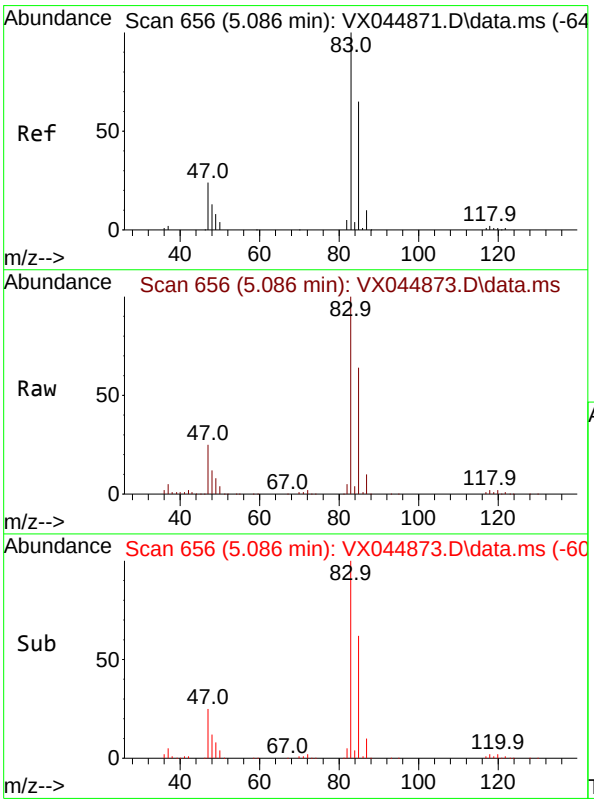
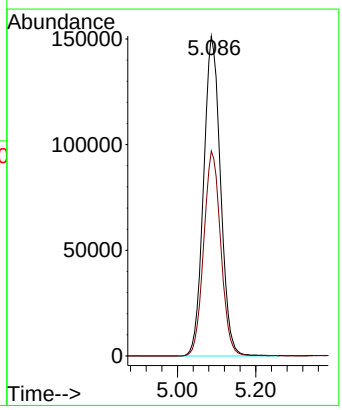
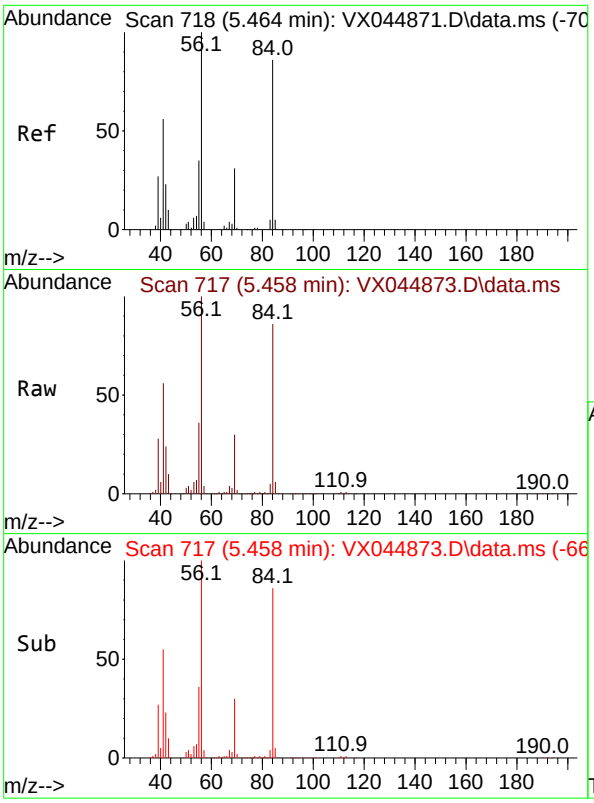


#30
Chloroform
Concen: 151.509 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 83 Resp: 453809

Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.1	78.1

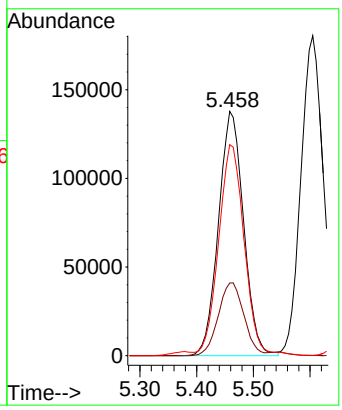




#31
Cyclohexane
Concen: 148.722 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 56 Resp: 42346

Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.4	36.6
84	85.0	69.0	103.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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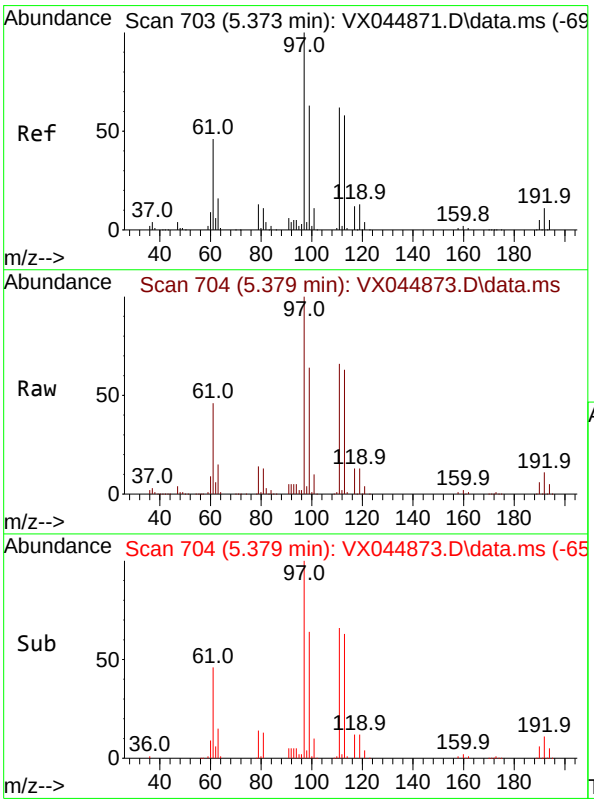
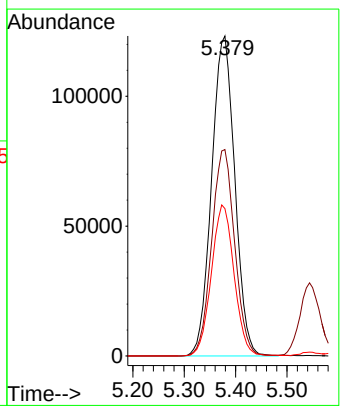
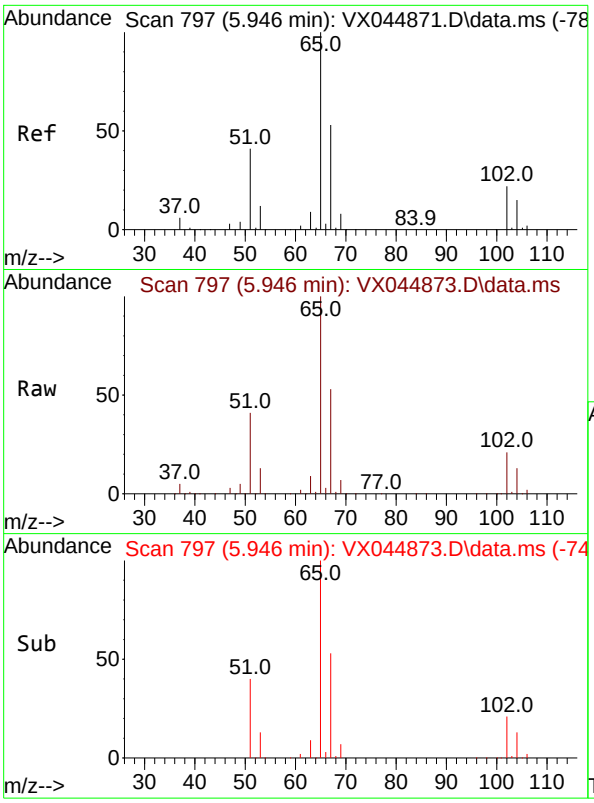


#32
1,1,1-Trichloroethane
Concen: 151.996 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 97 Resp: 386162

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	46.4	36.6	55.0

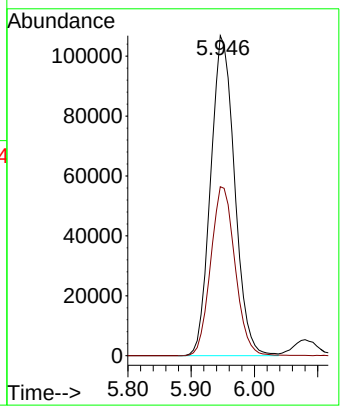




#33
1,2-Dichloroethane-d4
Concen: 153.180 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 65 Resp: 28085

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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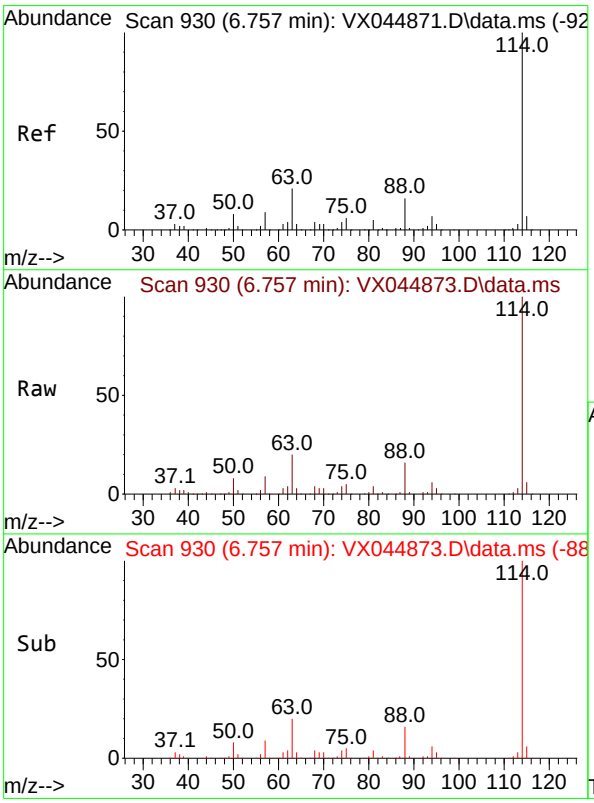
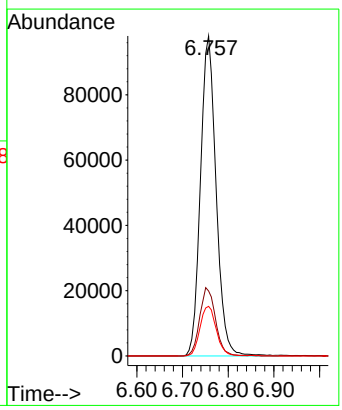
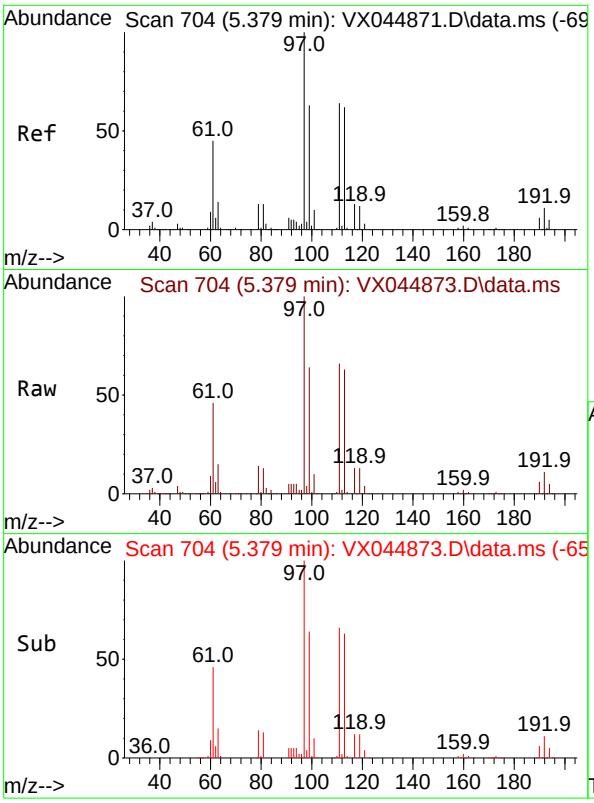


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:114 Resp: 232597

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.4
88	15.5	0.0	31.4

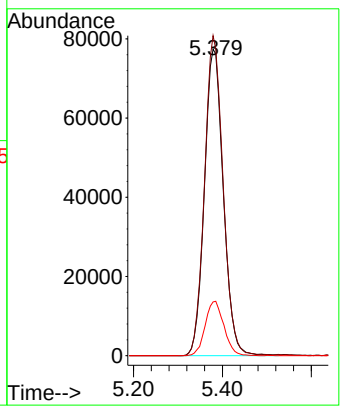




#35
Dibromofluoromethane
Concen: 151.572 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:113 Resp: 22921

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.5	125.3
192	17.6	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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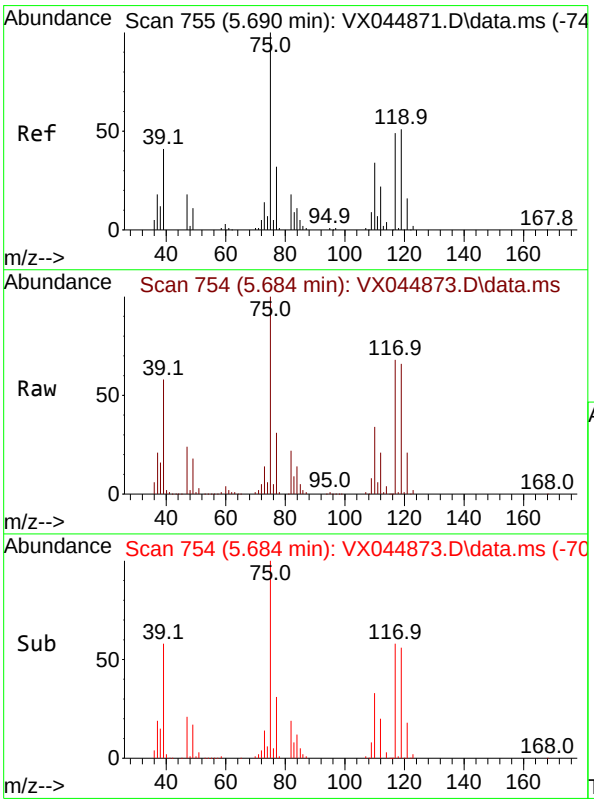
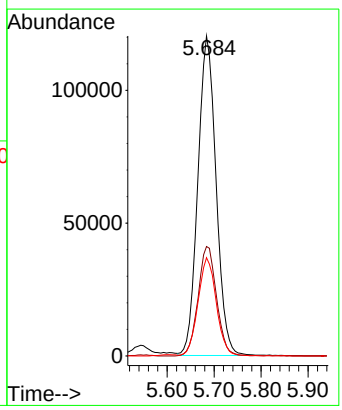
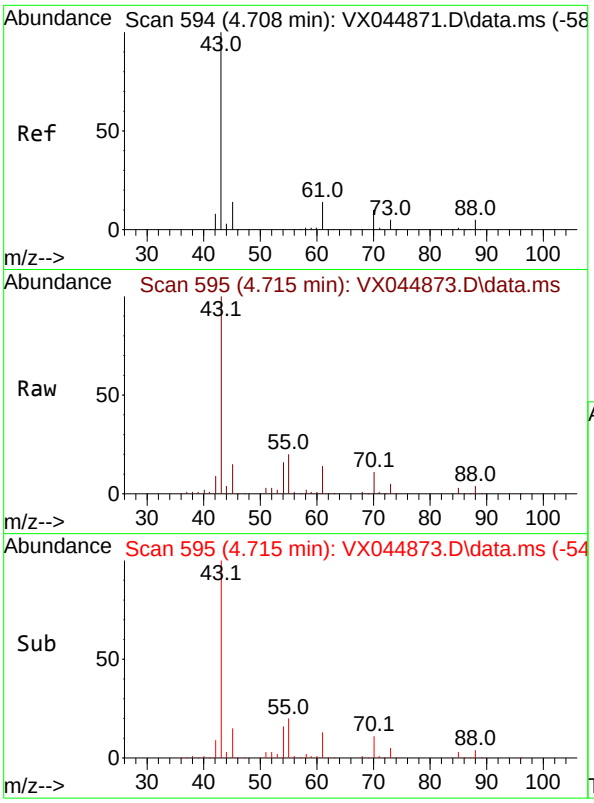


#36
1,1-Dichloropropene
Concen: 148.585 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 324182

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.2	51.6
77	30.9	24.6	37.0

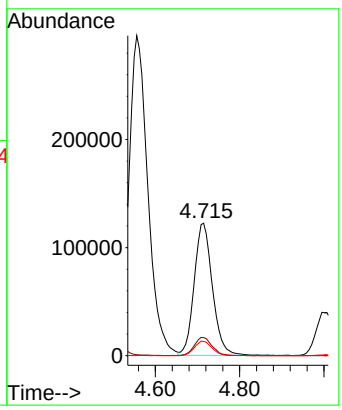




#37
Ethyl Acetate
Concen: 151.956 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 36876

Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	10.6	8.2	12.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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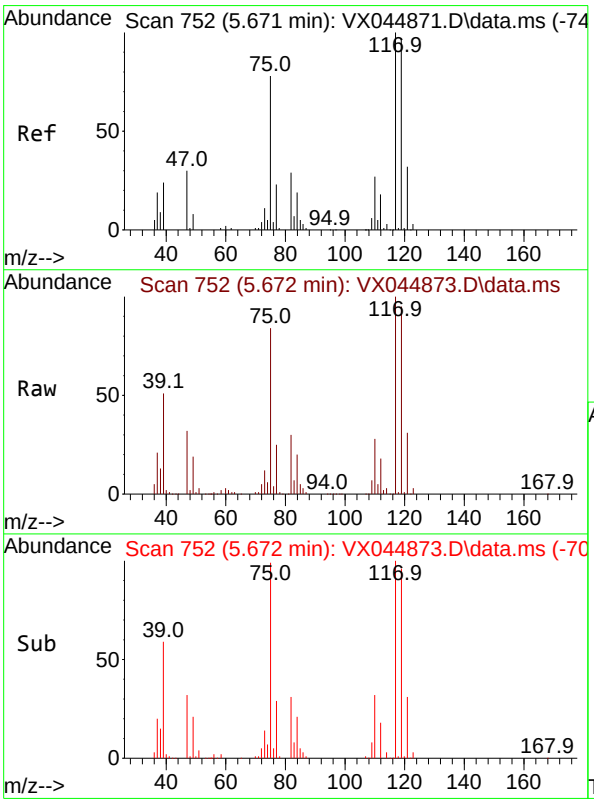
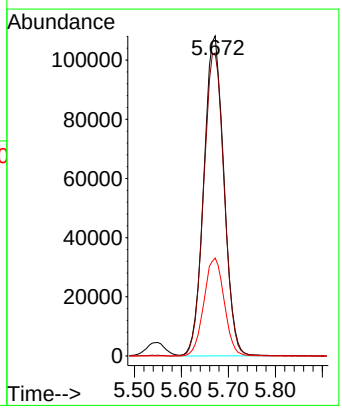
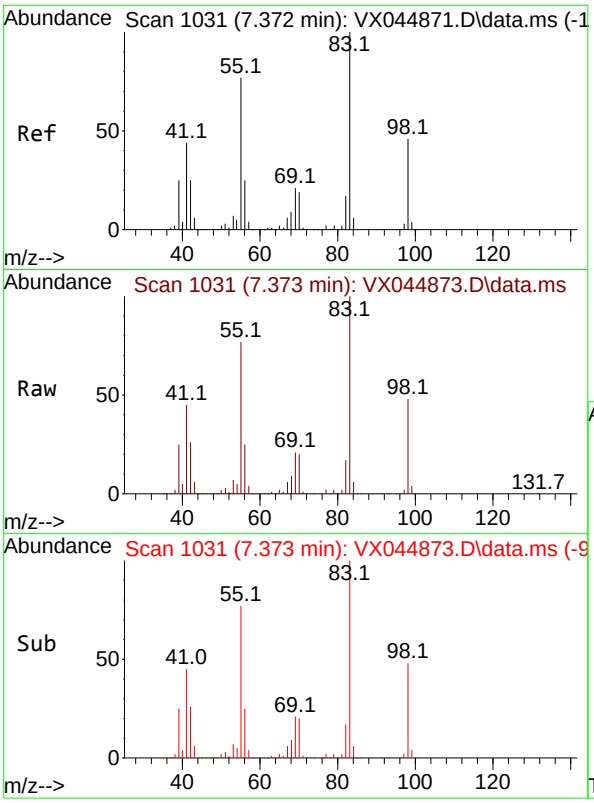


#38
Carbon Tetrachloride
Concen: 149.921 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:117 Resp: 320536

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.5	116.3
121	30.6	25.6	38.4

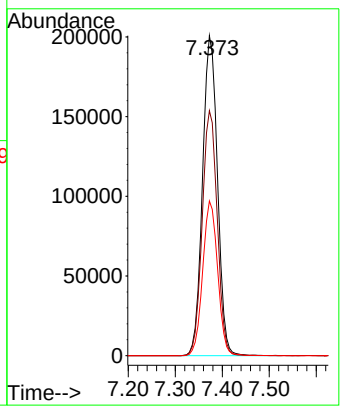




#39
Methylcyclohexane
Concen: 157.130 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 83 Resp: 44321

Ion	Ratio	Lower	Upper
83	100		
55	76.5	61.3	91.9
98	48.4	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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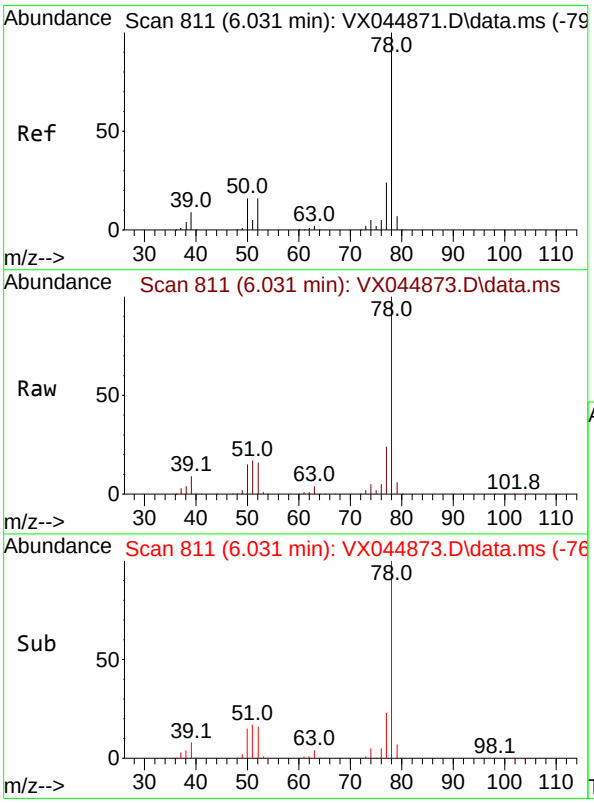
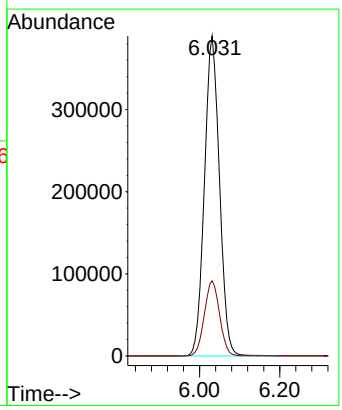
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

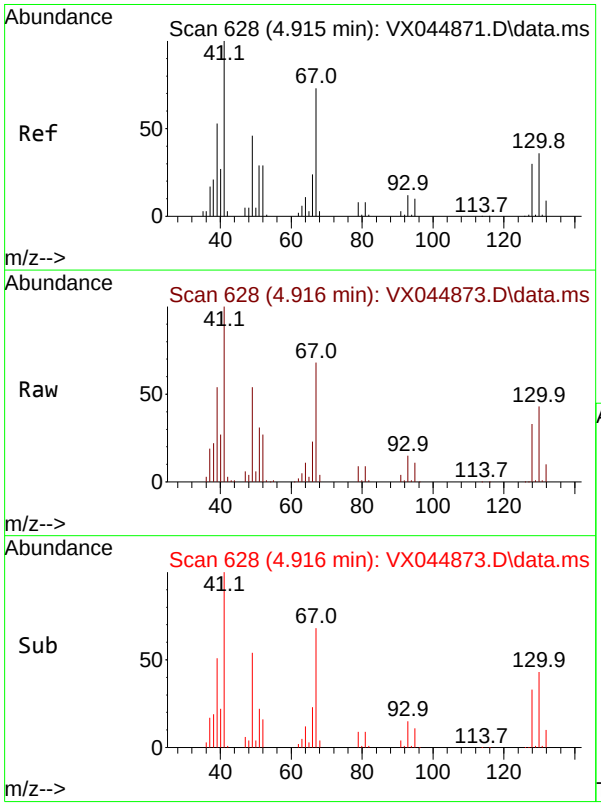


#40
Benzene
Concen: 148.856 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 78 Resp: 1014129

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6

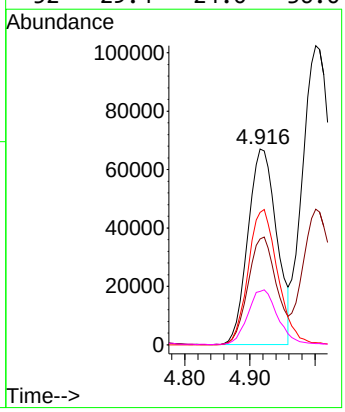




#41
Methacrylonitrile
Concen: 158.707 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 20615

Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.1	64.7
67	71.4	57.0	85.6
52	29.4	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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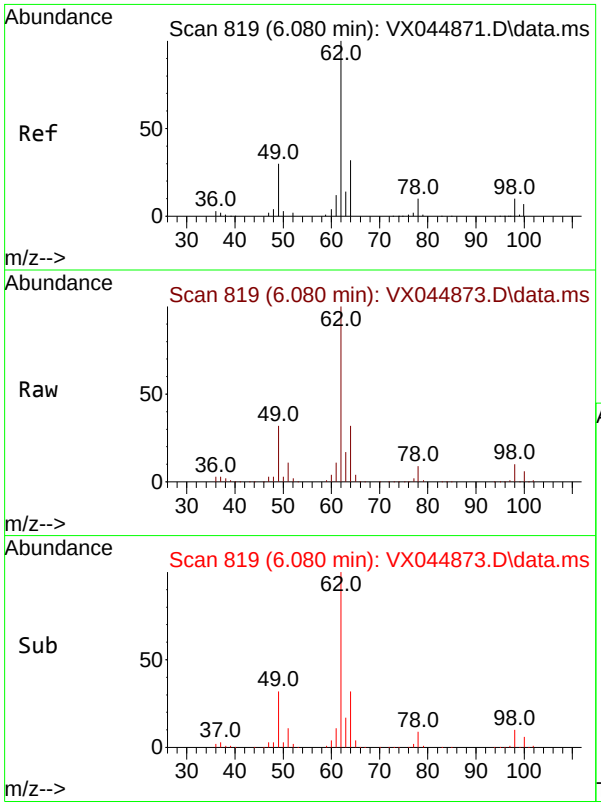
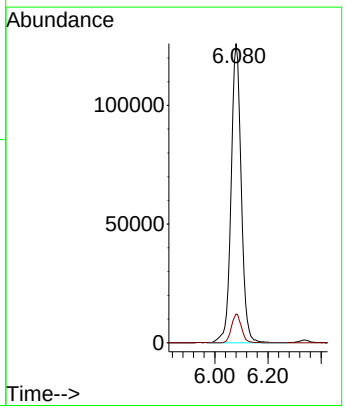
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

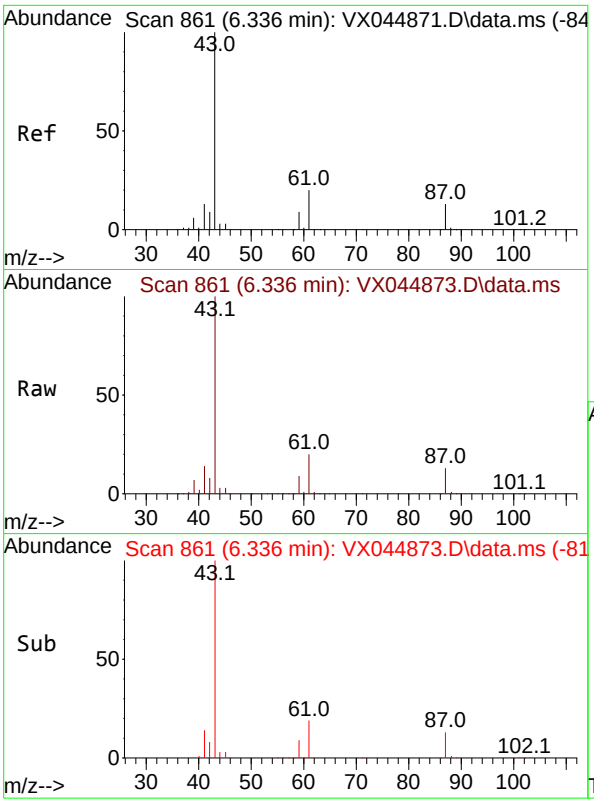


#42
1,2-Dichloroethane
Concen: 154.984 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 336520

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4

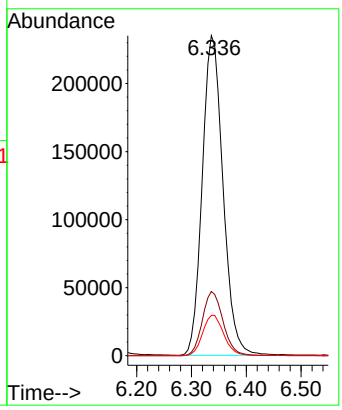




#43
Isopropyl Acetate
Concen: 157.575 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 61751

Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.8	23.8
87	12.9	10.0	15.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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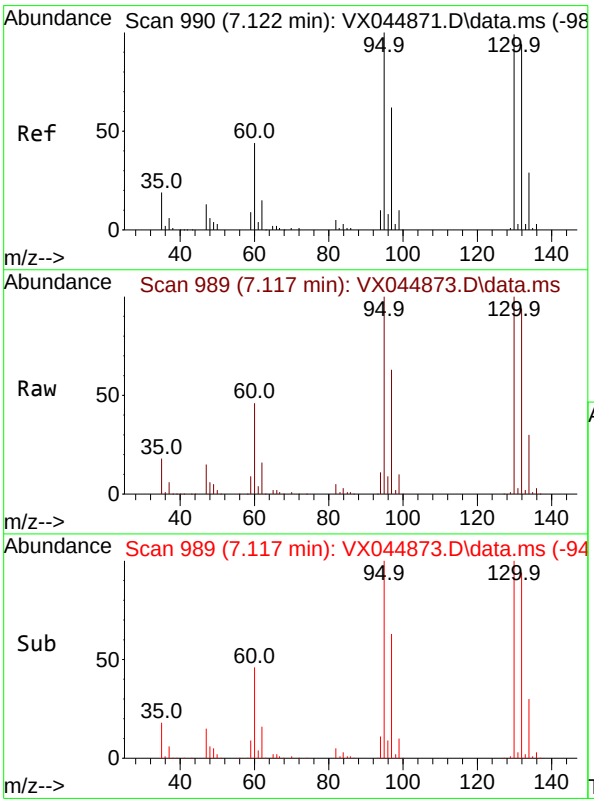
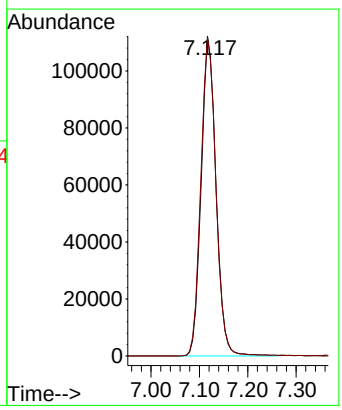
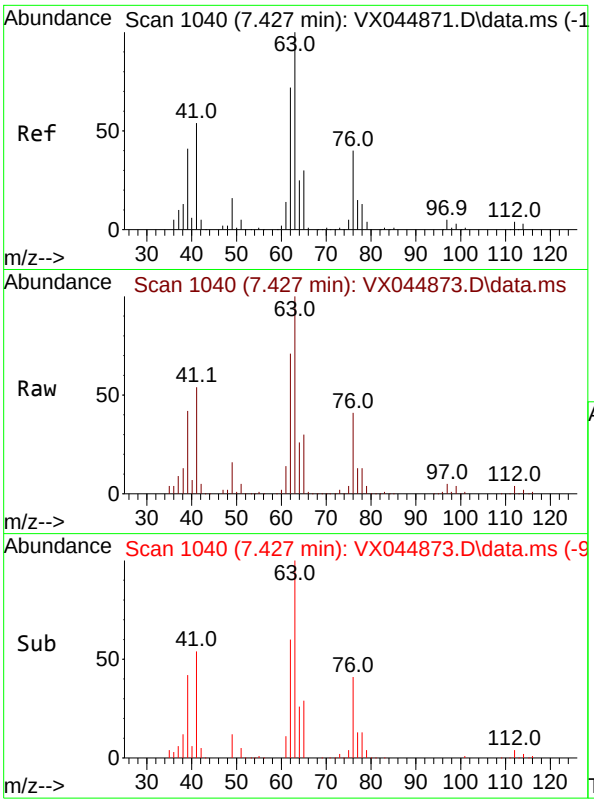


#44
Trichloroethene
Concen: 153.496 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:130 Resp: 239030

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	202.4

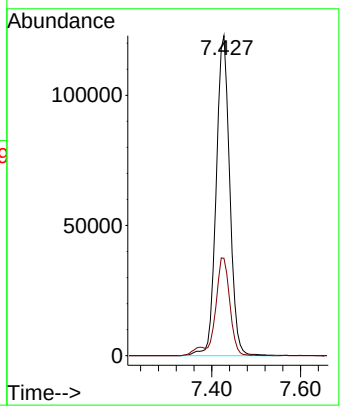




#45
1,2-Dichloropropane
Concen: 153.076 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 25945

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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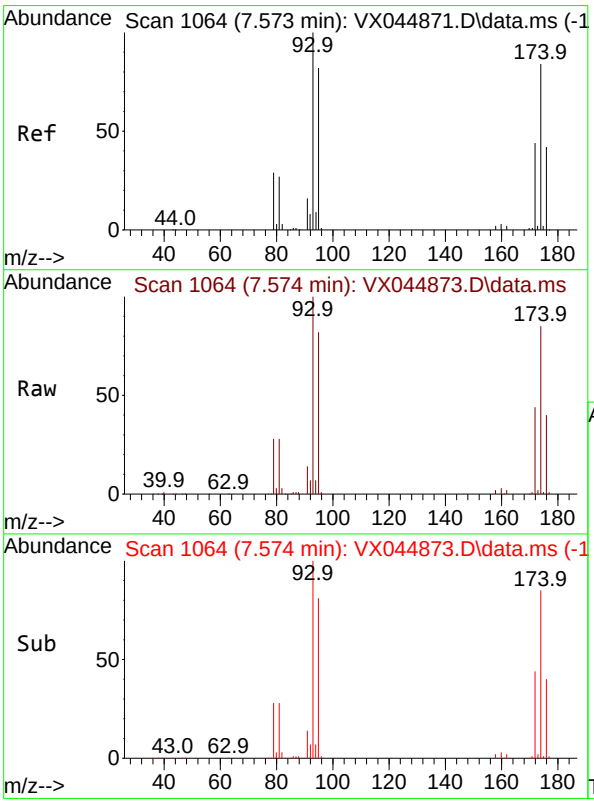
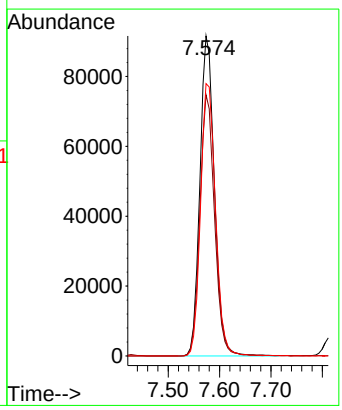
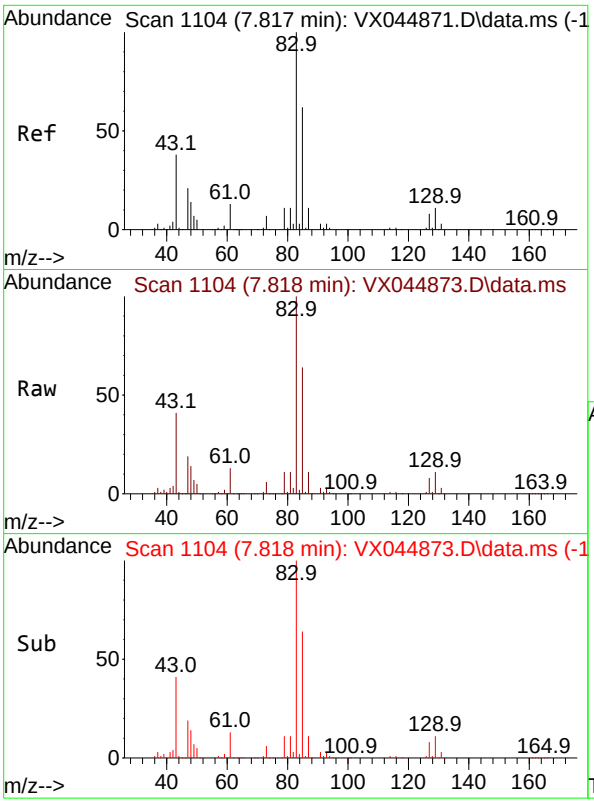


#46
Dibromomethane
Concen: 152.870 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 93 Resp: 179689

Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.2	99.4
174	87.9	69.9	104.9

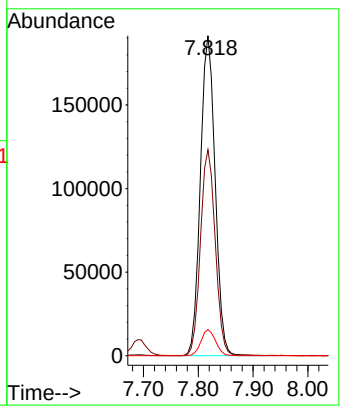




#47
Bromodichloromethane
Concen: 157.128 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 83 Resp: 35762

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.0	75.0
127	8.2	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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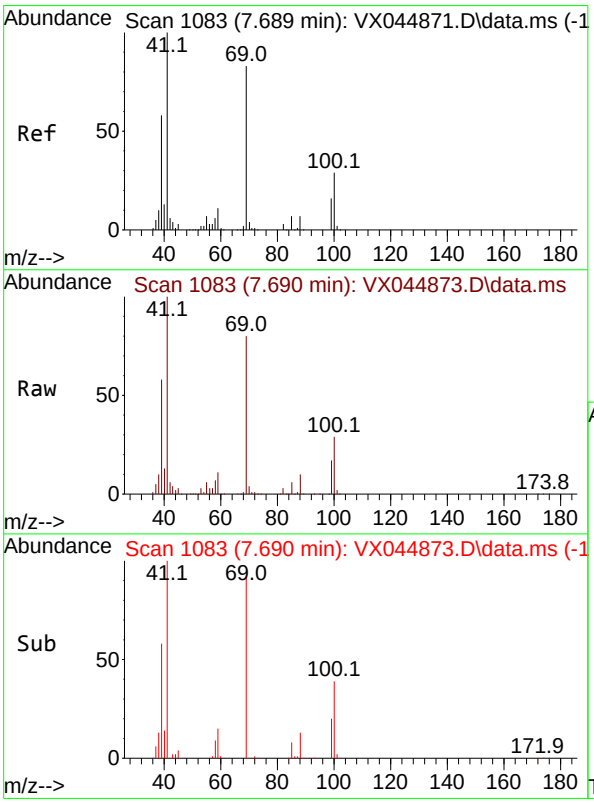
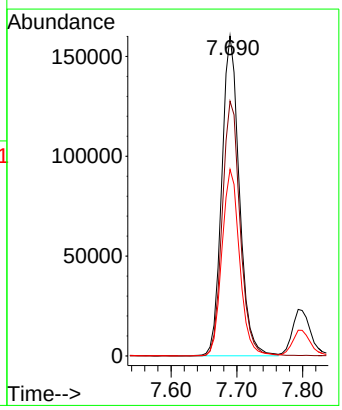
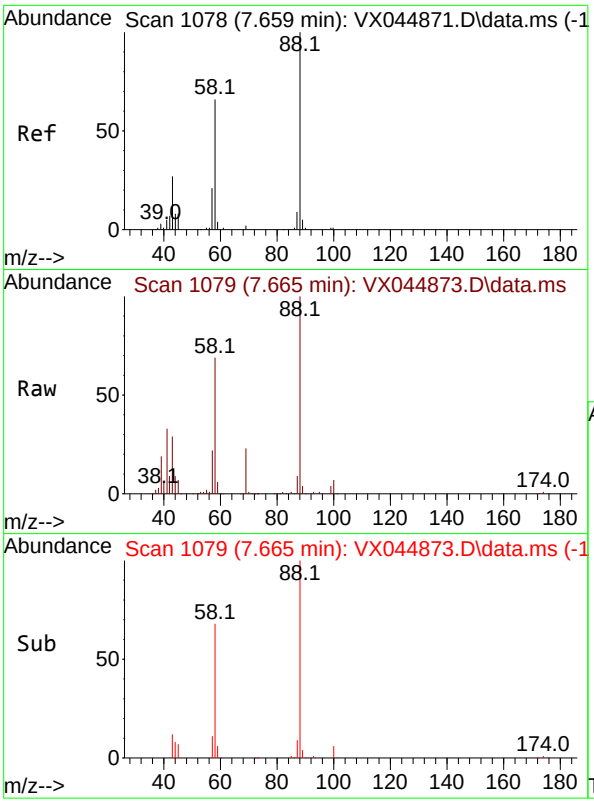


#48
Methyl methacrylate
Concen: 161.236 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 297931

Ion	Ratio	Lower	Upper
41	100		
69	81.4	65.8	98.8
39	58.7	46.4	69.6

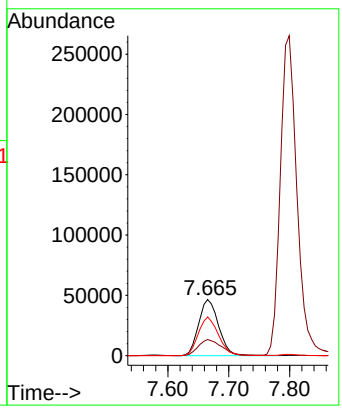




#49
1,4-Dioxane
Concen: 2678.192 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 88 Resp: 10617

Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.6	39.8
58	69.4	55.9	83.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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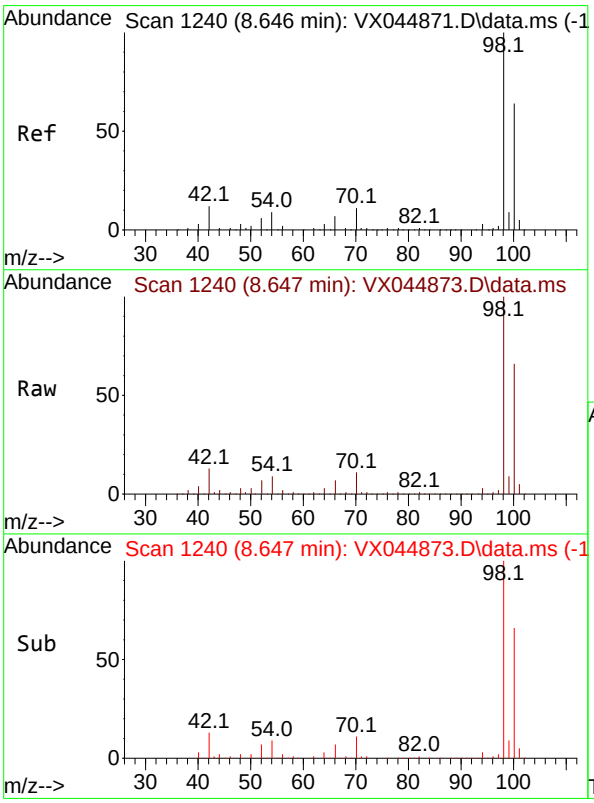
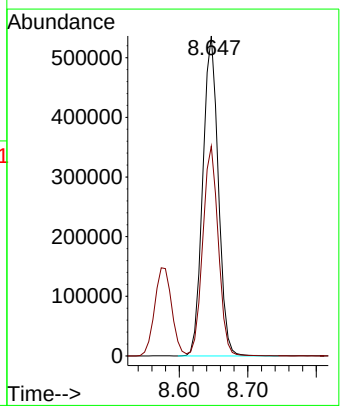
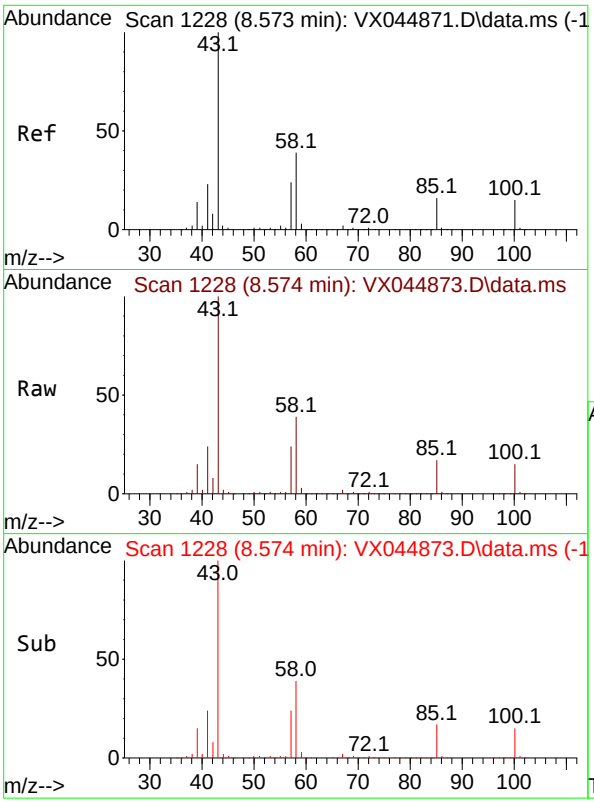


#50
Toluene-d8
Concen: 147.877 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 98 Resp: 845632

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

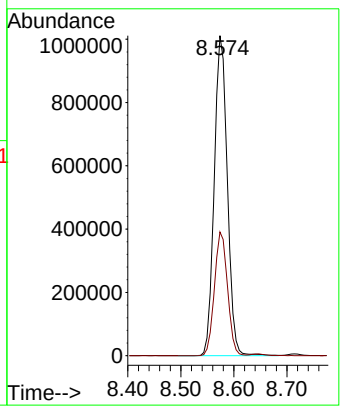




#51
4-Methyl-2-Pentanone
Concen: 728.887 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 173653

Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.8	46.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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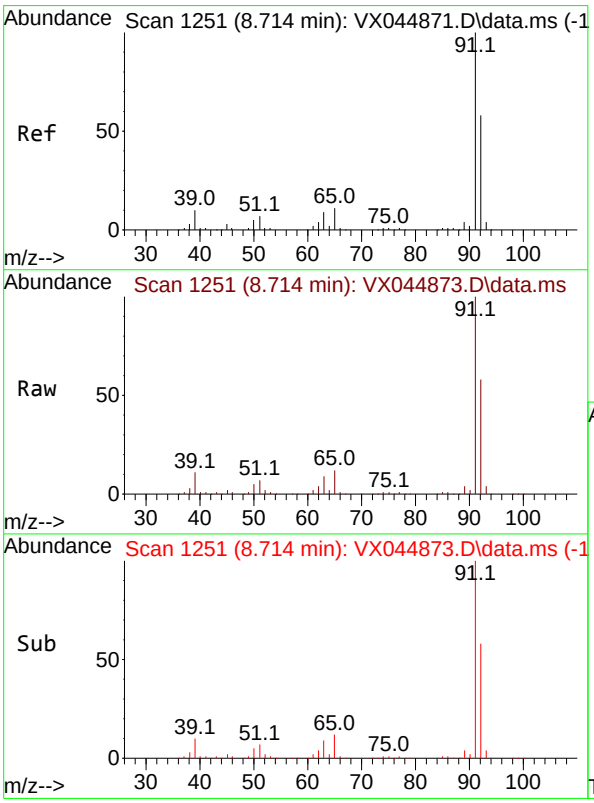
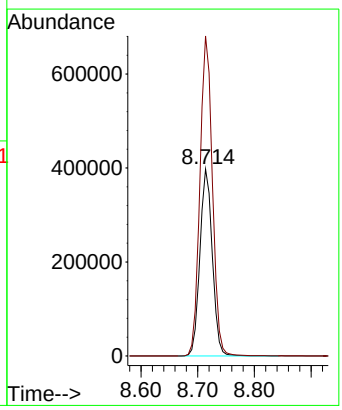
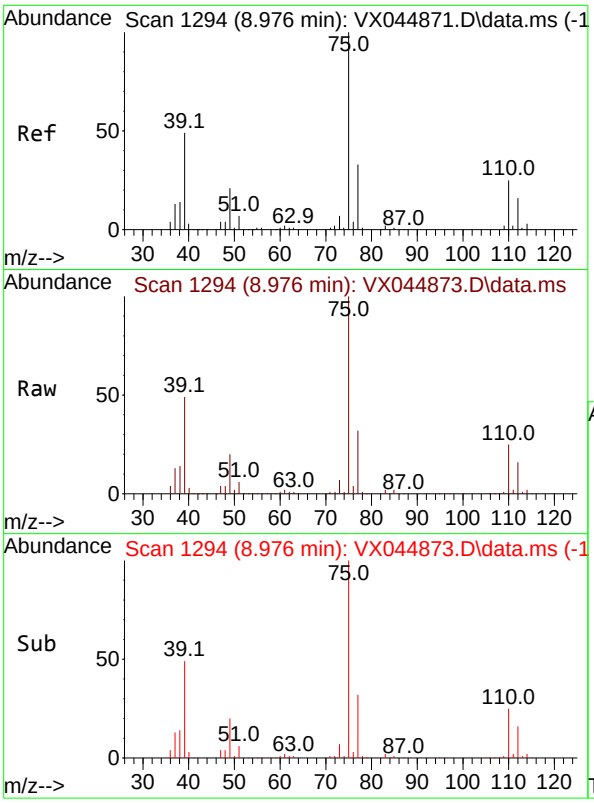


#52
Toluene
Concen: 148.645 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 92 Resp: 603113

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.4	206.2

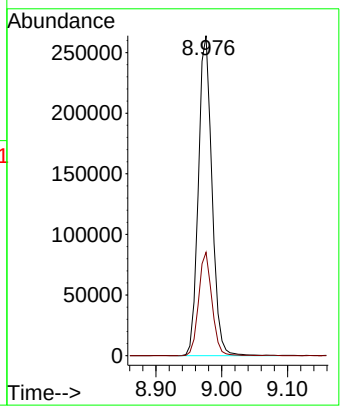




#53
t-1,3-Dichloropropene
Concen: 164.398 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 37863

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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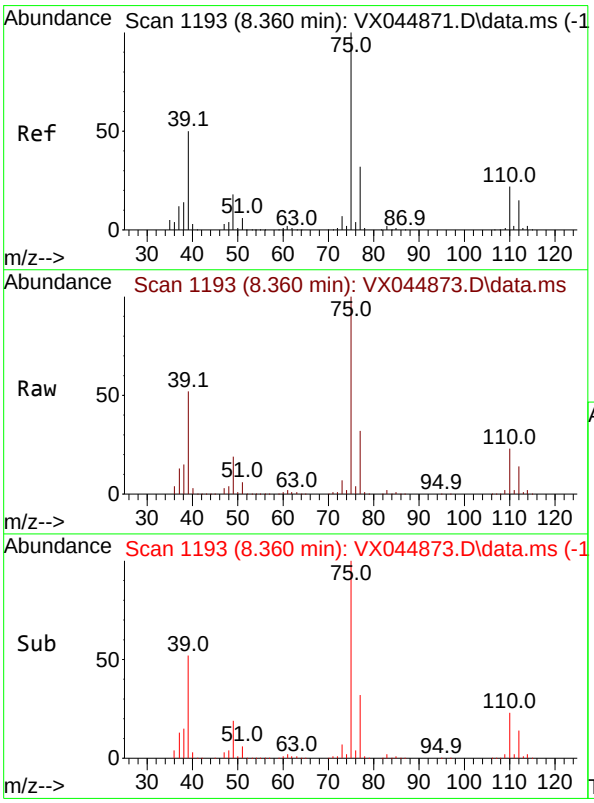
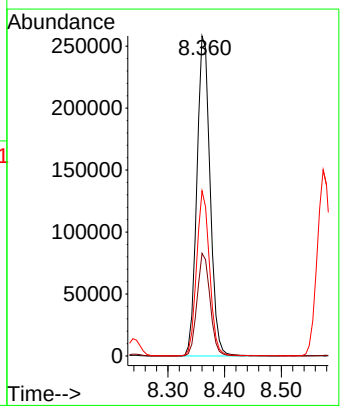
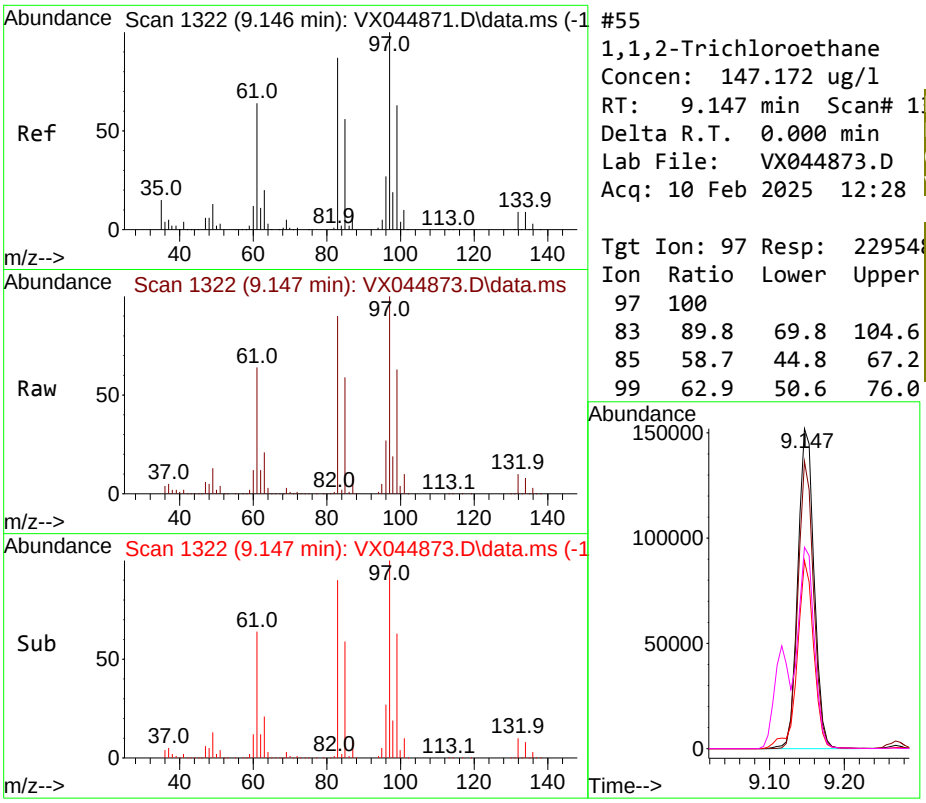


#54
cis-1,3-Dichloropropene
Concen: 162.667 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 417724

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9
39	51.5	40.0	60.0





#55
1,1,2-Trichloroethane
Concen: 147.172 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 97 Resp: 22954

Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.8	104.6
85	58.7	44.8	67.2
99	62.9	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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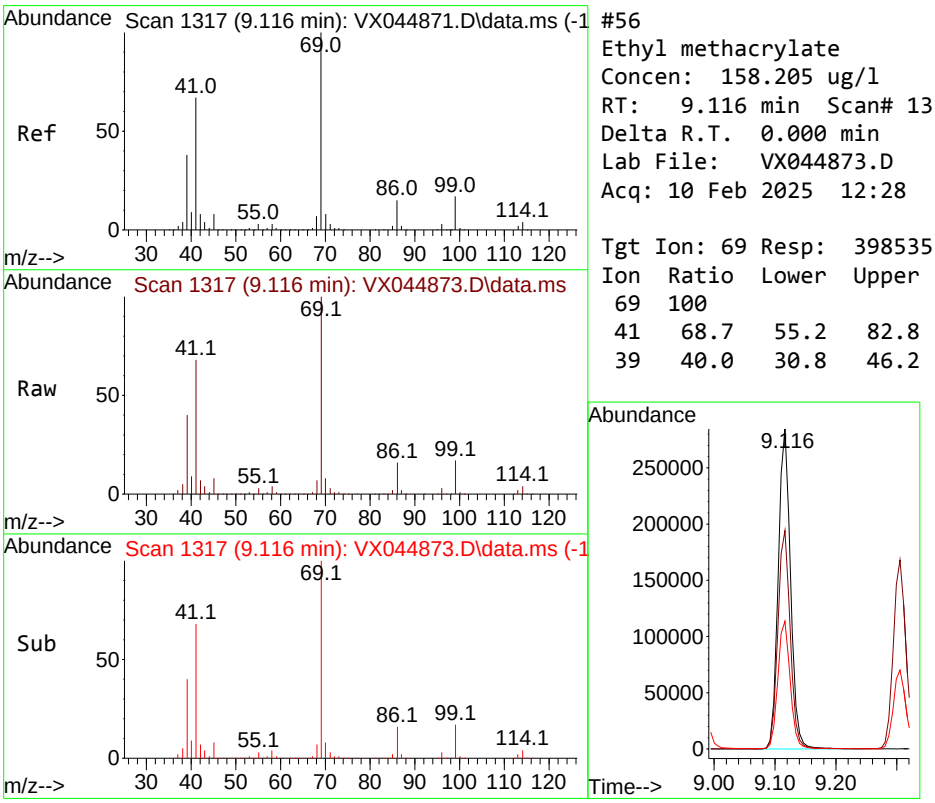
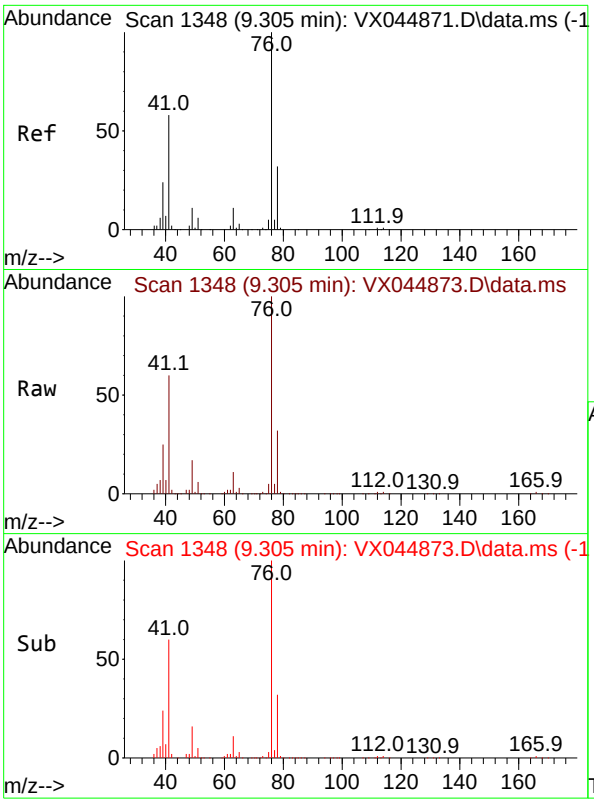


#56
Ethyl methacrylate
Concen: 158.205 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 69 Resp: 398535

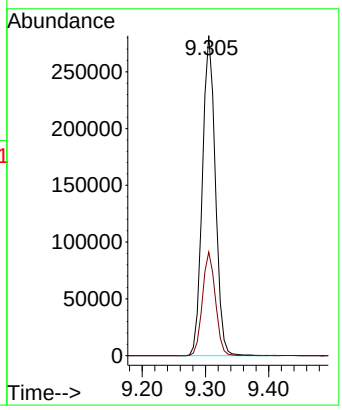
Ion	Ratio	Lower	Upper
69	100		
41	68.7	55.2	82.8
39	40.0	30.8	46.2



#57
1,3-Dichloropropane
Concen: 147.915 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 76 Resp: 40366

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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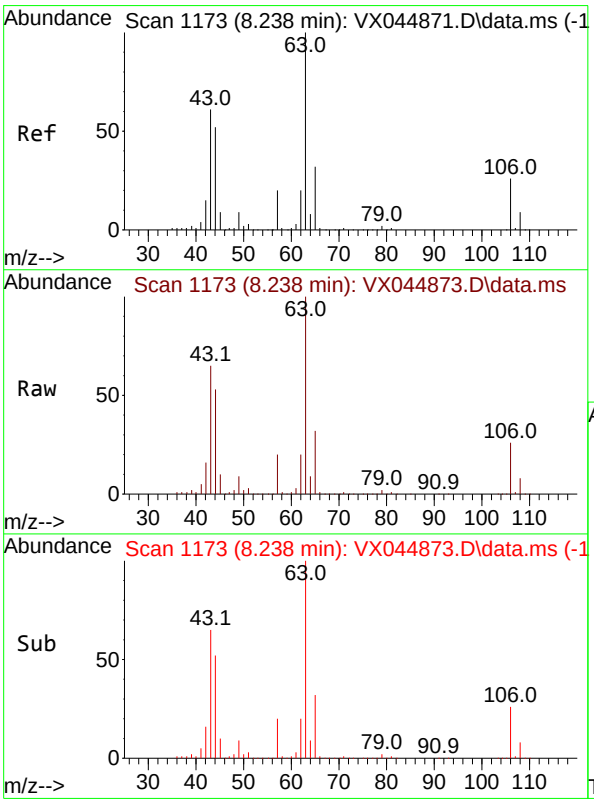
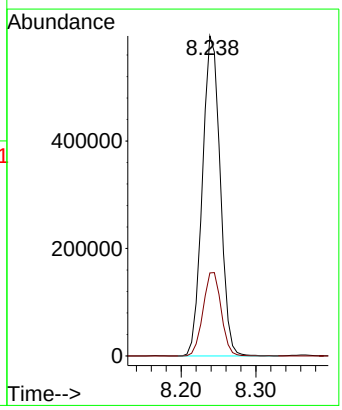
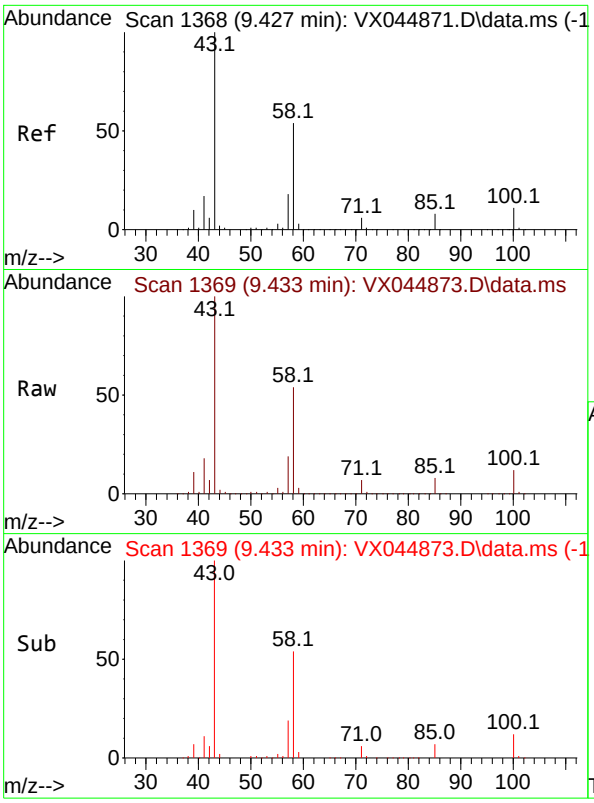


#58
2-Chloroethyl Vinyl ether
Concen: 794.010 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 982120

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9

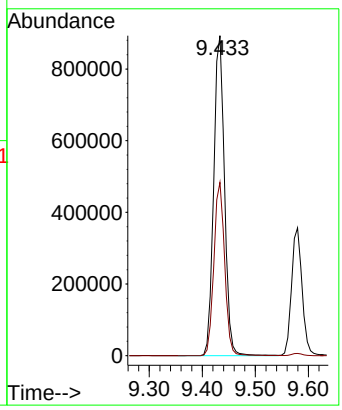




#59
2-Hexanone
Concen: 736.622 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 126447

Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.5	82.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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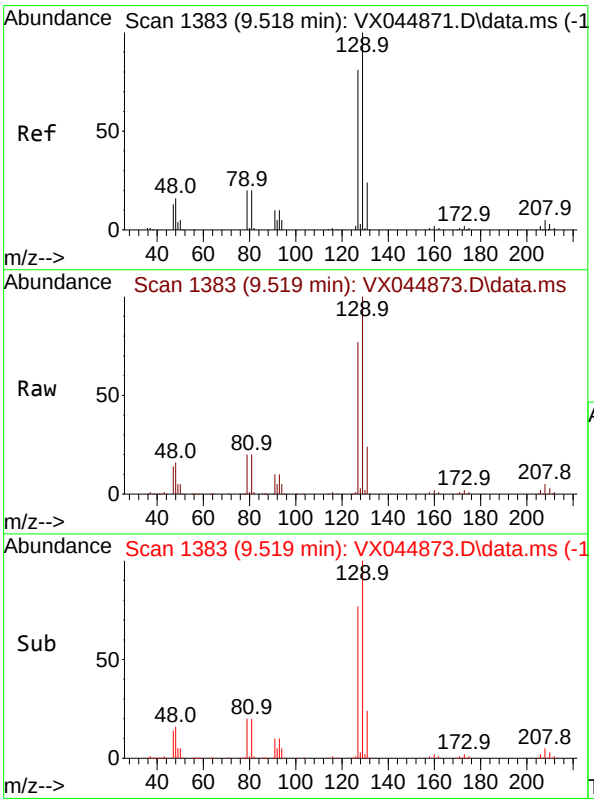
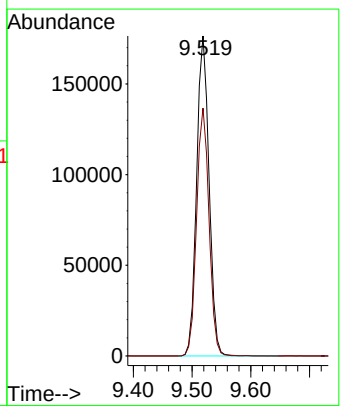
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

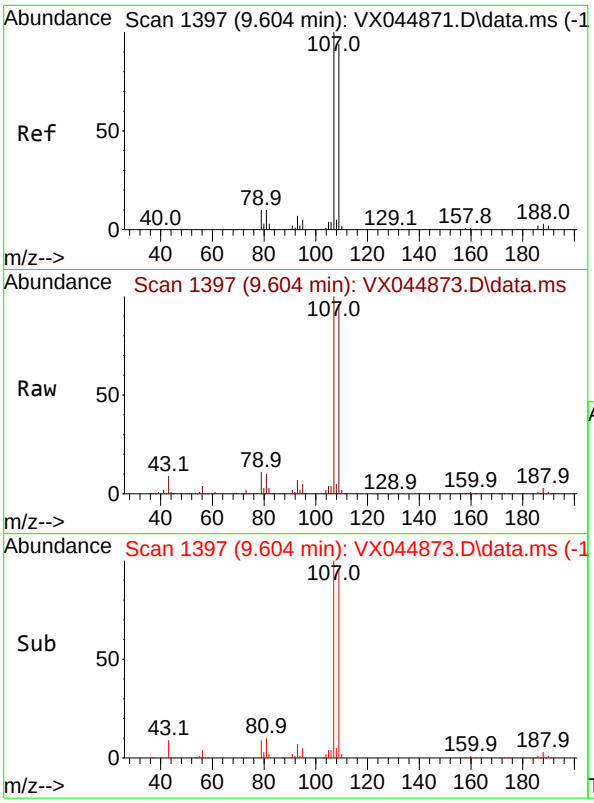


#60
Dibromochloromethane
Concen: 154.862 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:129 Resp: 258320

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.3

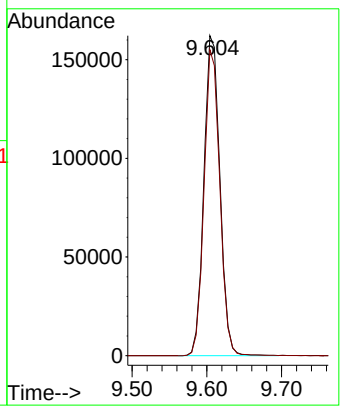




#61
1,2-Dibromoethane
Concen: 152.157 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:107 Resp: 24053

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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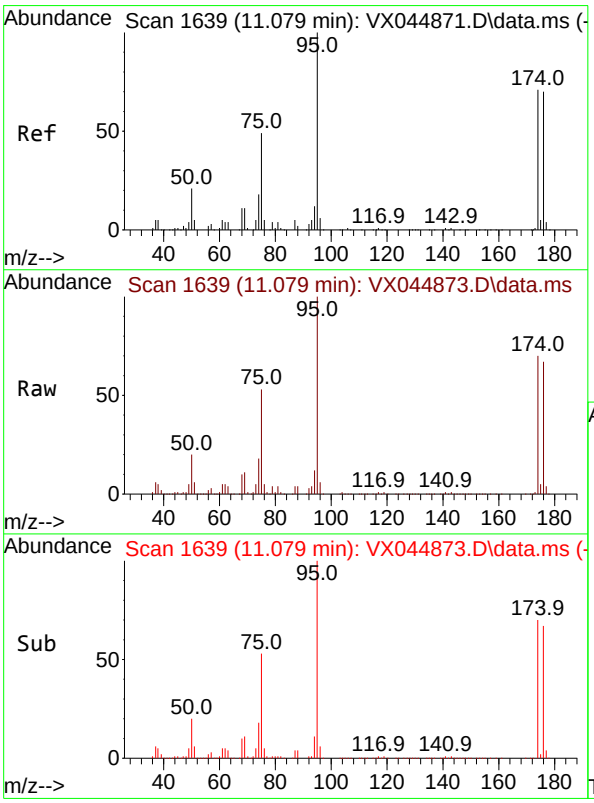
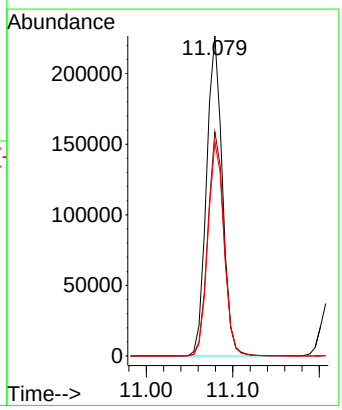
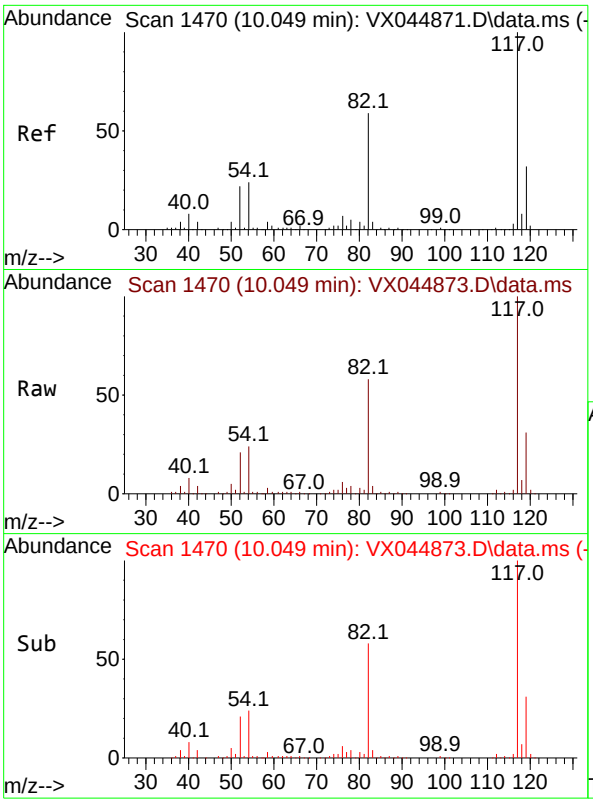


#62
4-Bromofluorobenzene
Concen: 149.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 95 Resp: 287486

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	142.6
176	68.0	0.0	141.6

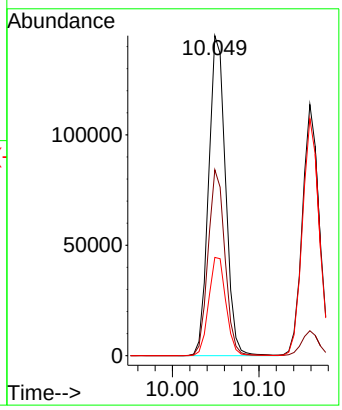




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:117 Resp: 19666

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.5	71.3
119	30.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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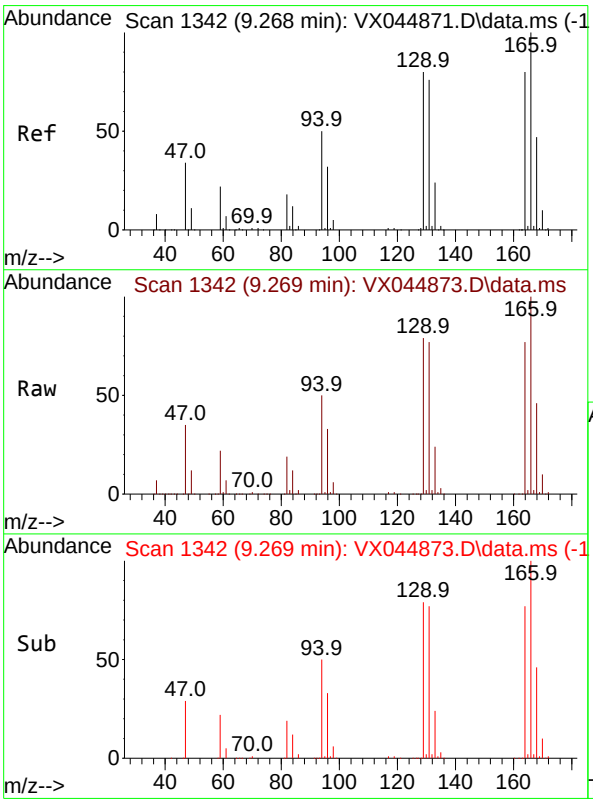
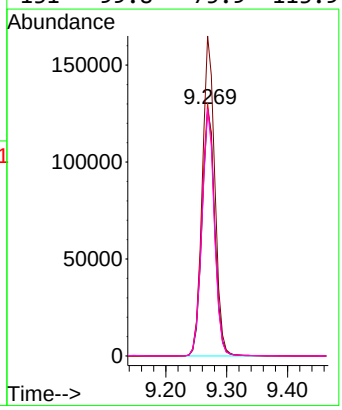
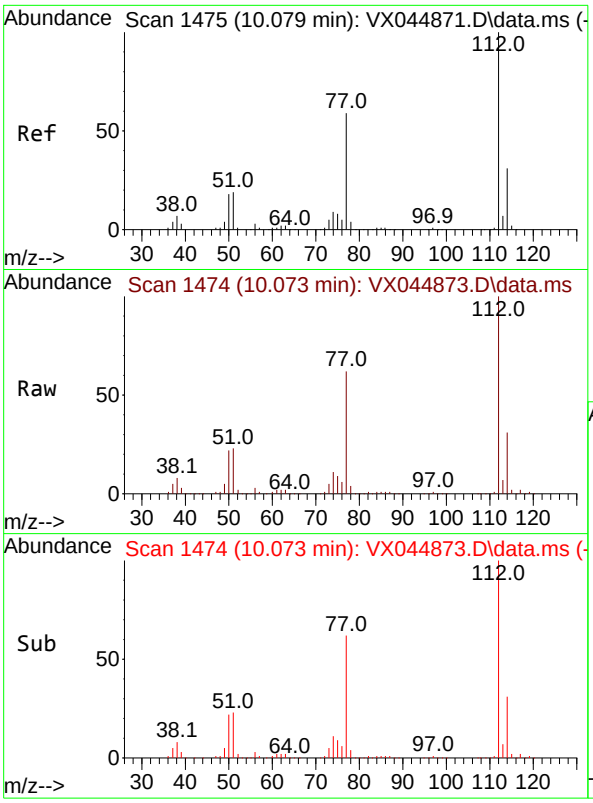


#64
Tetrachloroethene
Concen: 149.155 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:164 Resp: 184990

Ion	Ratio	Lower	Upper
164	100		
166	129.5	100.4	150.6
129	102.3	79.9	119.9
131	99.8	75.9	113.9





#65
Chlorobenzene
Concen: 150.224 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:112 Resp: 63455

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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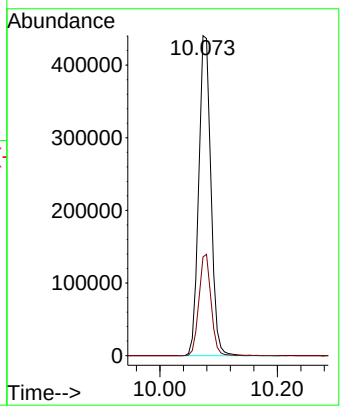
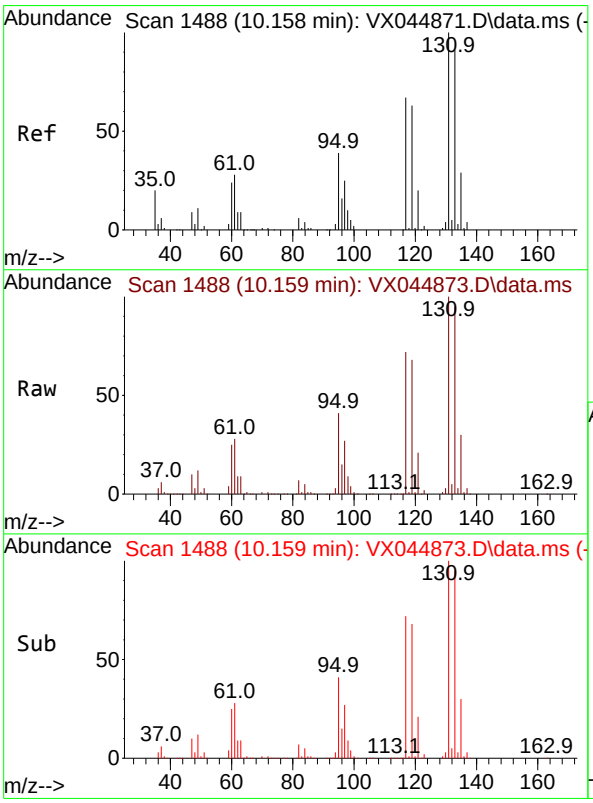
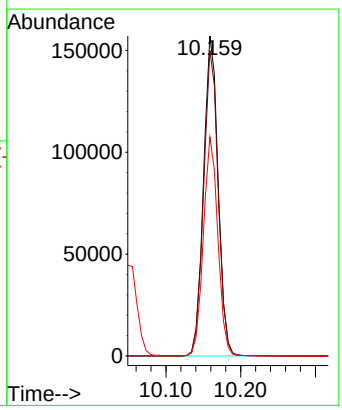


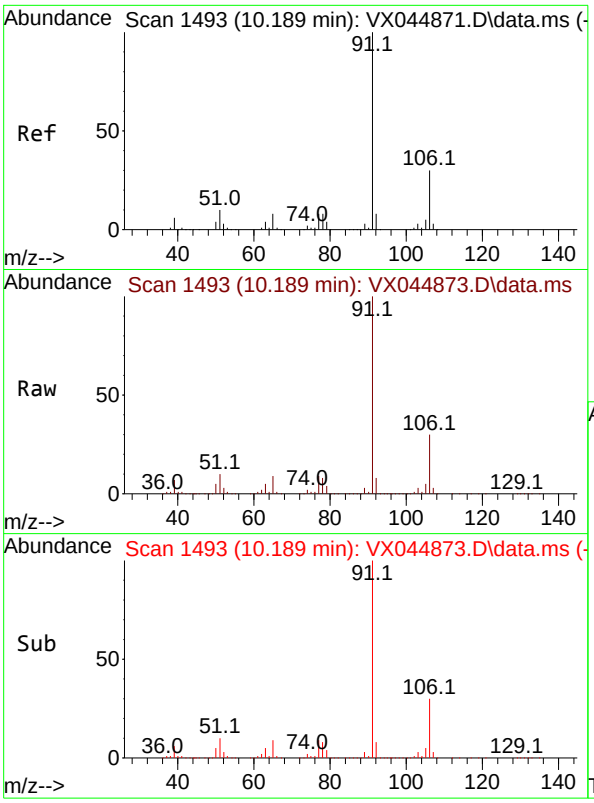


#66
1,1,1,2-Tetrachloroethane
Concen: 156.255 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:131 Resp: 212441

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.1	141.3
119	67.9	33.6	100.6





#67
Ethyl Benzene
Concen: 152.647 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 113784

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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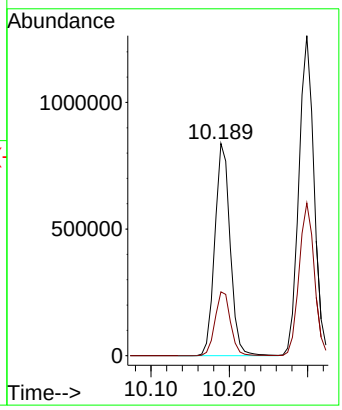
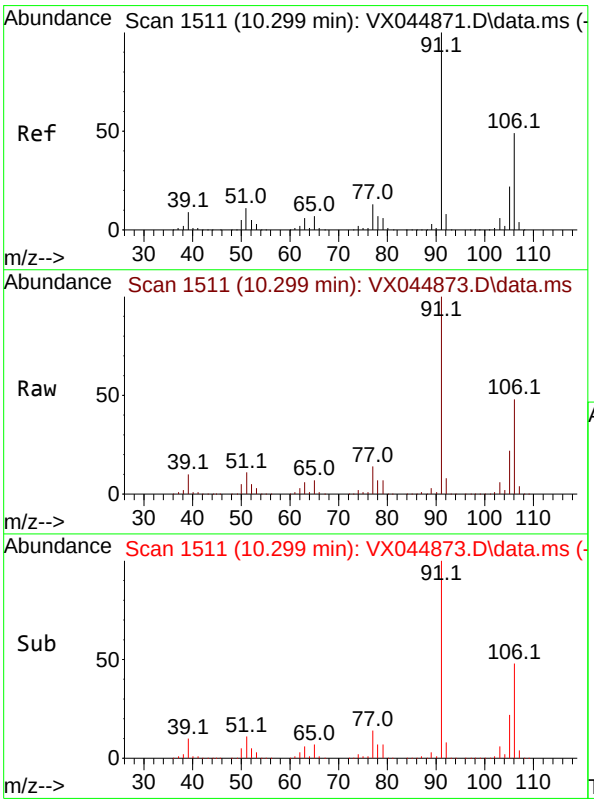
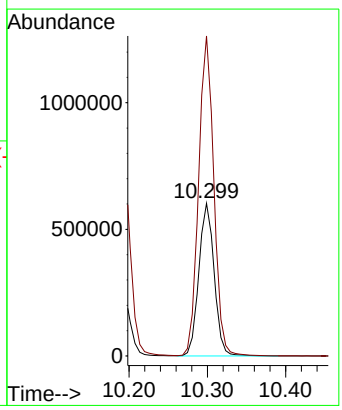


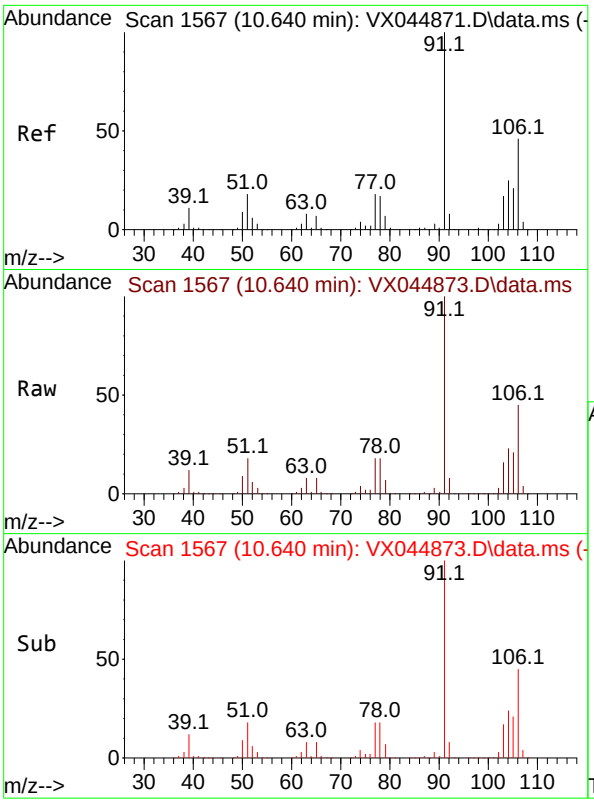


#68
m/p-Xylenes
Concen: 297.841 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:106 Resp: 818971

Ion	Ratio	Lower	Upper
106	100		
91	208.6	164.3	246.5

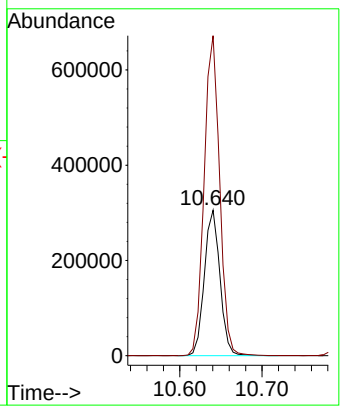




#69
o-Xylene
Concen: 145.674 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:106 Resp: 40192

Ion	Ratio	Lower	Upper
106	100		
91	218.9	108.5	325.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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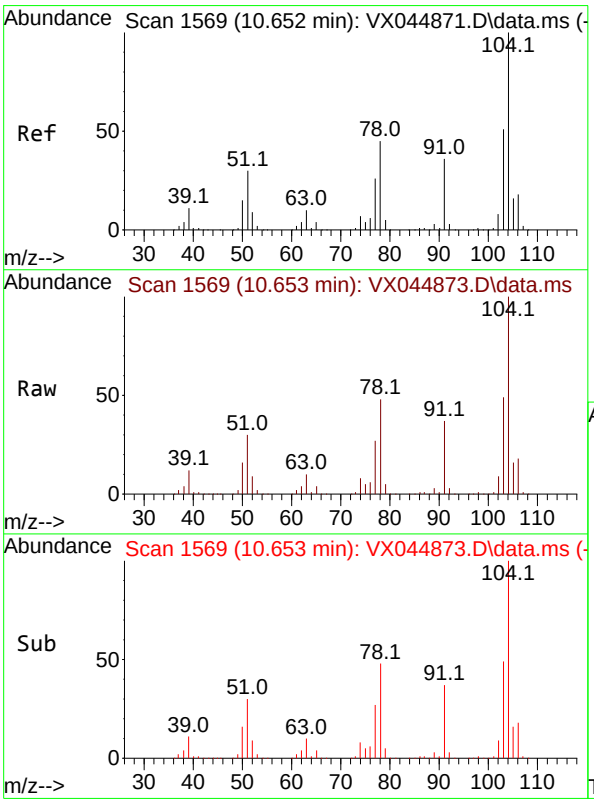
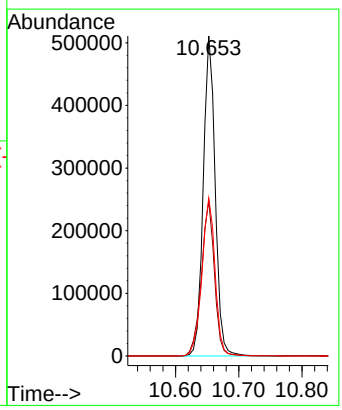
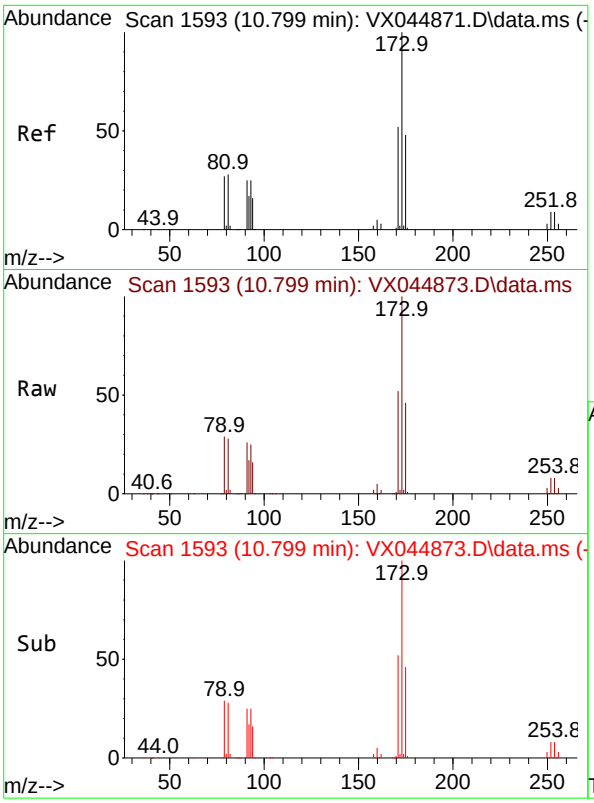


#70
Styrene
Concen: 151.140 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:104 Resp: 671843

Ion	Ratio	Lower	Upper
104	100		
78	53.0	40.5	60.7
103	54.5	43.6	65.4

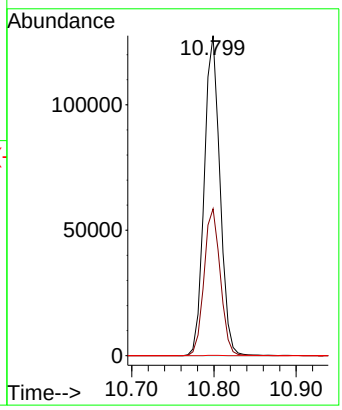




#71
Bromoform
Concen: 167.033 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:173 Resp: 16948

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.3	72.8
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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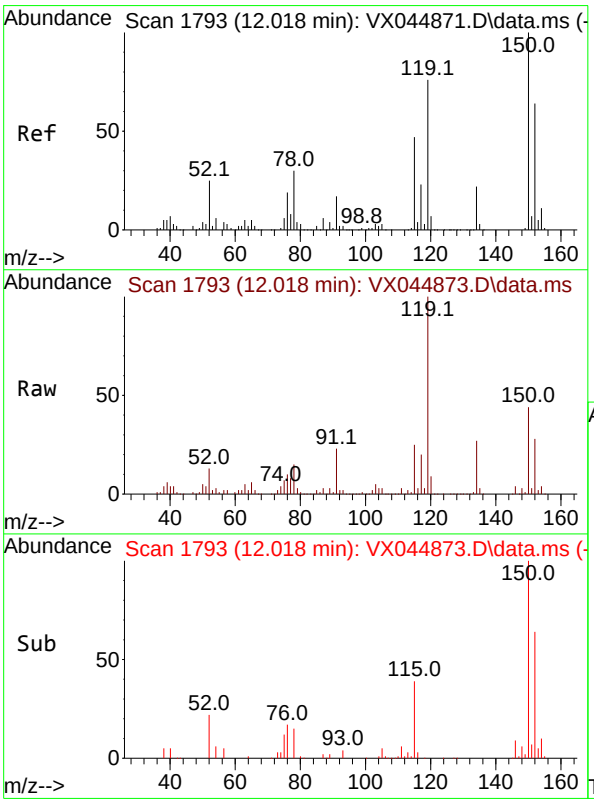
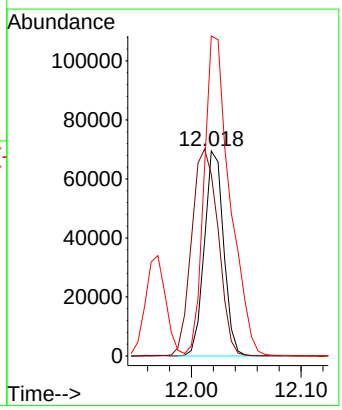
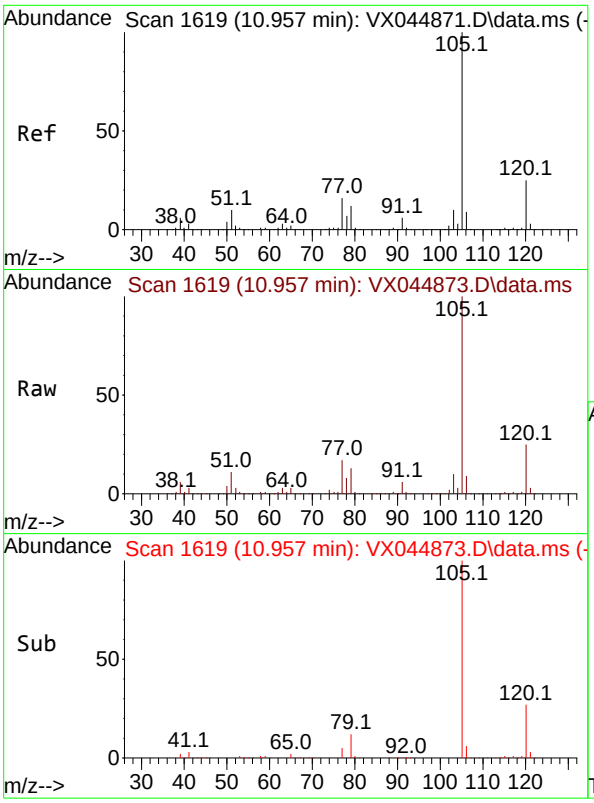


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:152 Resp: 84836

Ion	Ratio	Lower	Upper
152	100		
115	139.2	43.4	130.1#
150	209.6	0.0	350.4





#73
Isopropylbenzene
Concen: 151.869 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 103740

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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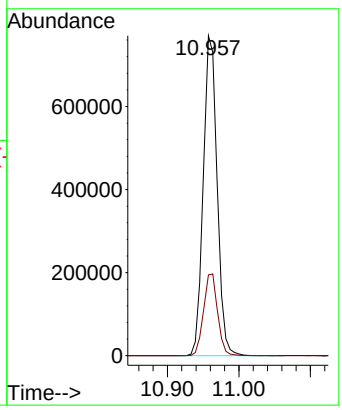
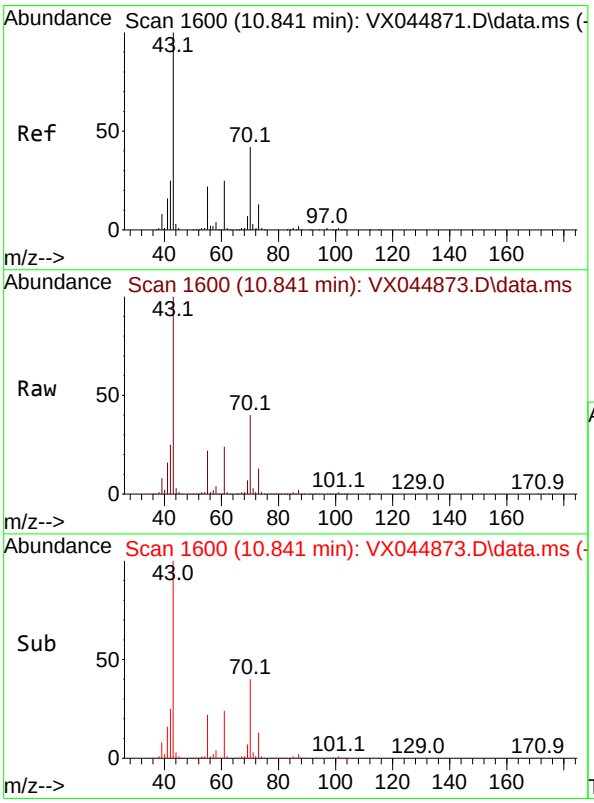
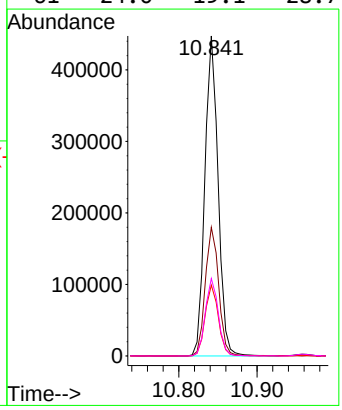


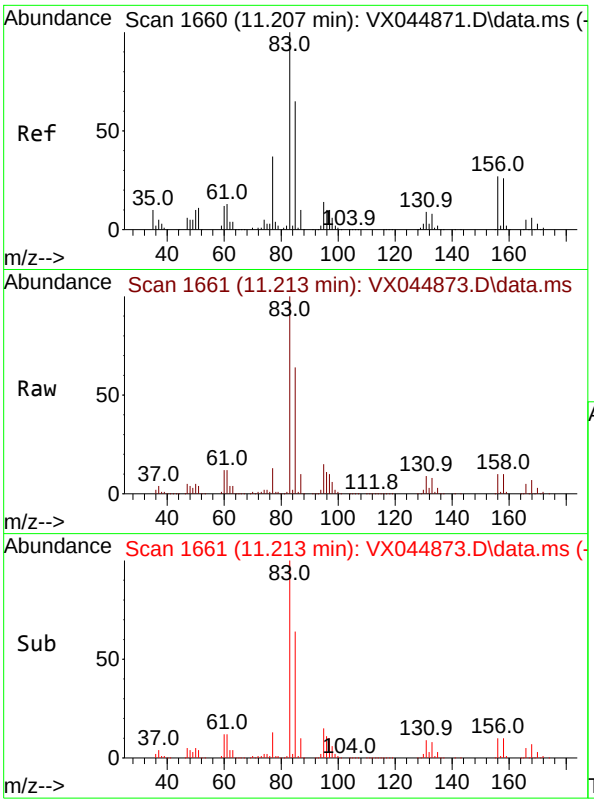


#74
N-amyl acetate
Concen: 168.861 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 521962

Ion	Ratio	Lower	Upper
43	100		
70	41.0	33.7	50.5
55	22.3	18.6	27.8
61	24.0	19.1	28.7

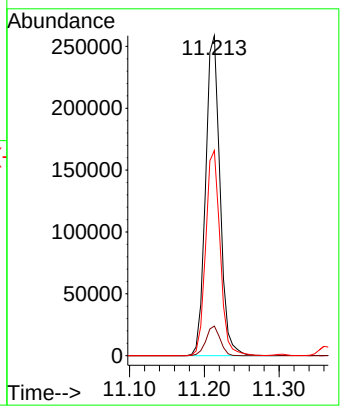




#75
1,1,2,2-Tetrachloroethane
Concen: 147.409 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 83 Resp: 34601

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.5
85	64.3	32.3	96.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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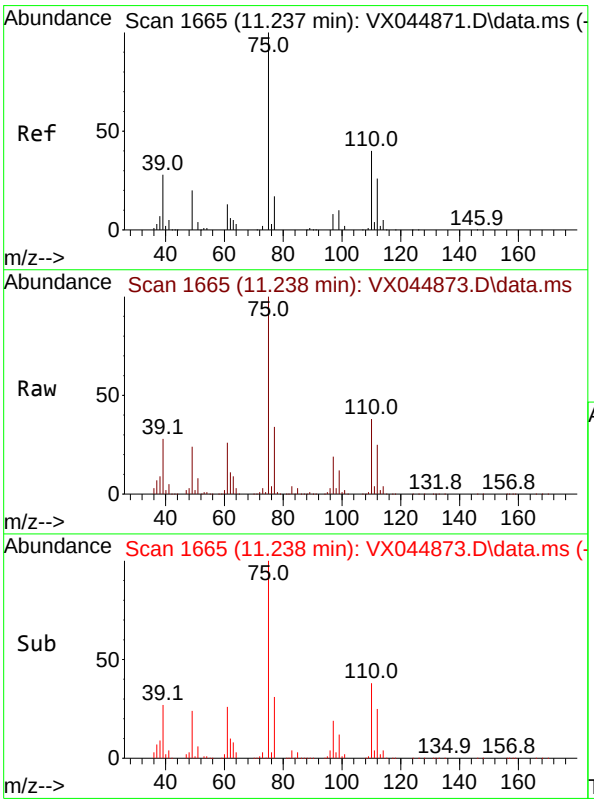
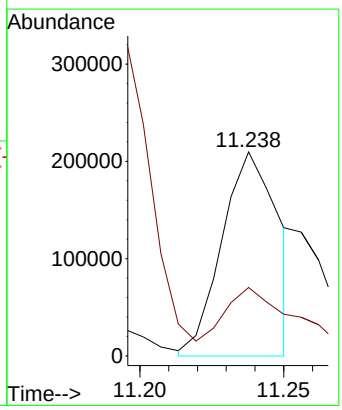
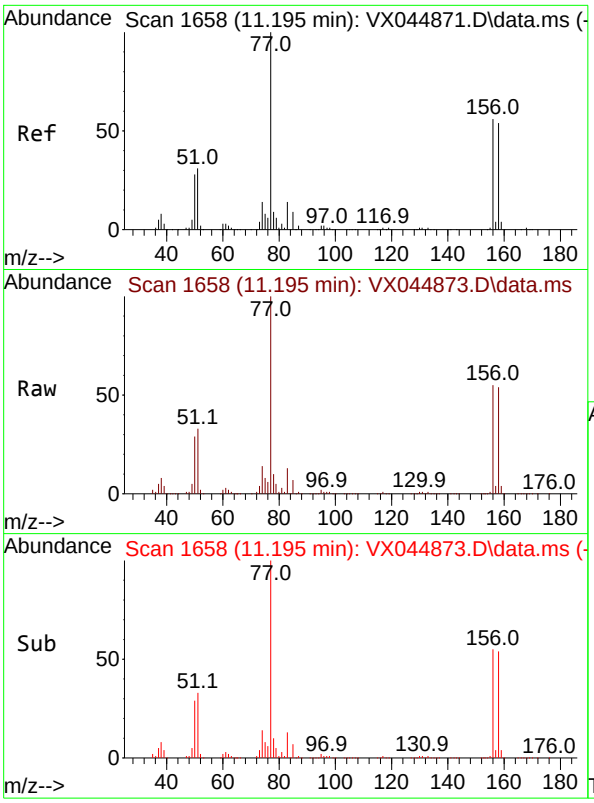


#76
1,2,3-Trichloropropane
Concen: 151.485 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 284934

Ion	Ratio	Lower	Upper
75	100		
77	44.3	21.9	65.7

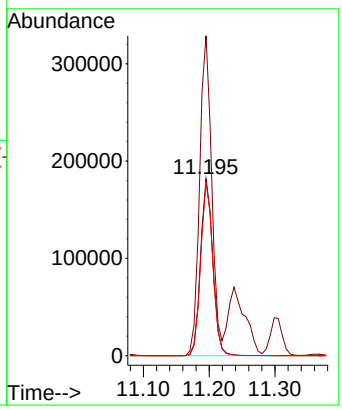




#77
Bromobenzene
Concen: 151.715 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:156 Resp: 23495

Ion	Ratio	Lower	Upper
156	100		
77	179.2	88.4	265.3
158	97.1	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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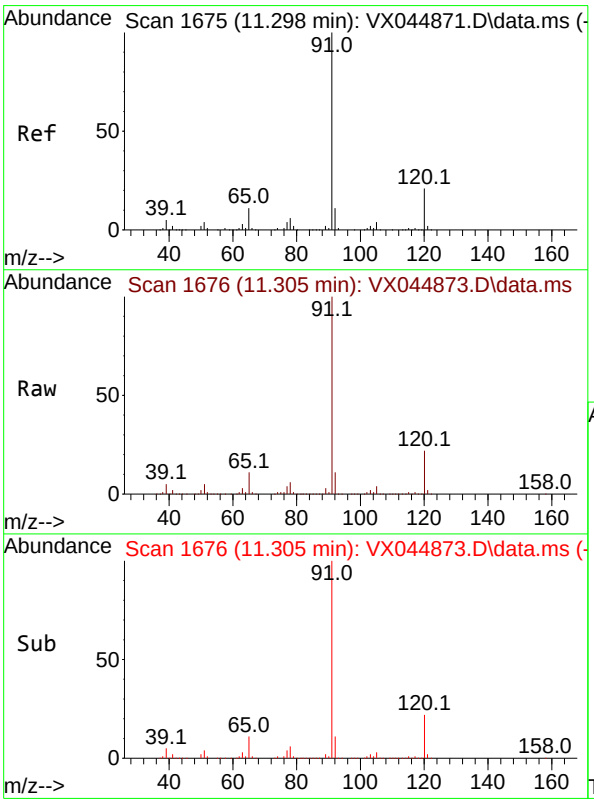
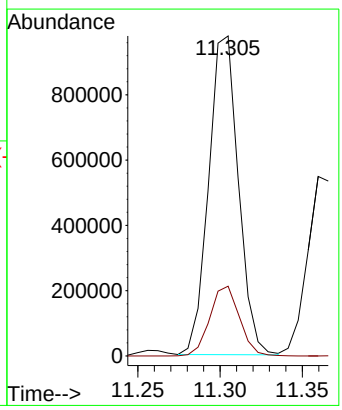
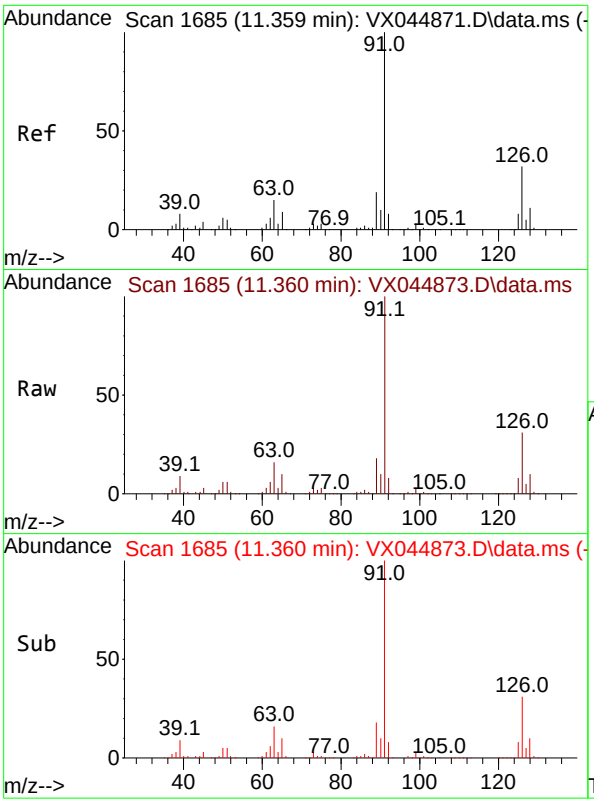


#78
n-propylbenzene
Concen: 156.140 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 1231079

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3





#79
2-Chlorotoluene
Concen: 148.123 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 71776

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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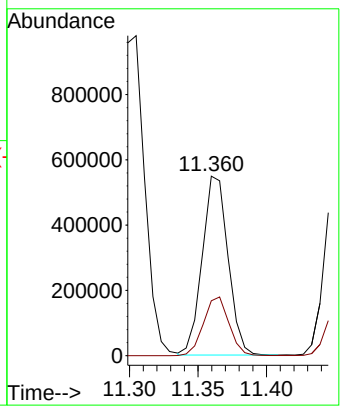
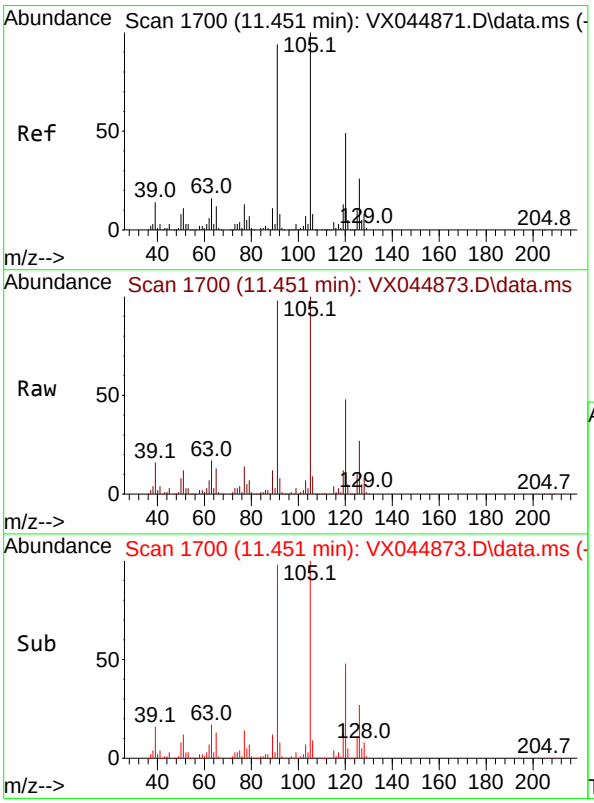
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

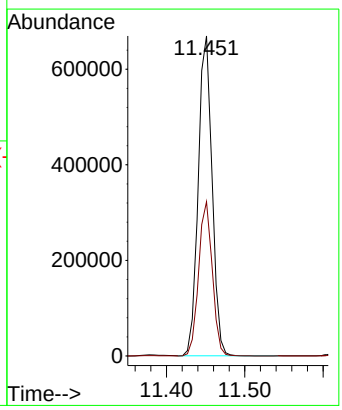


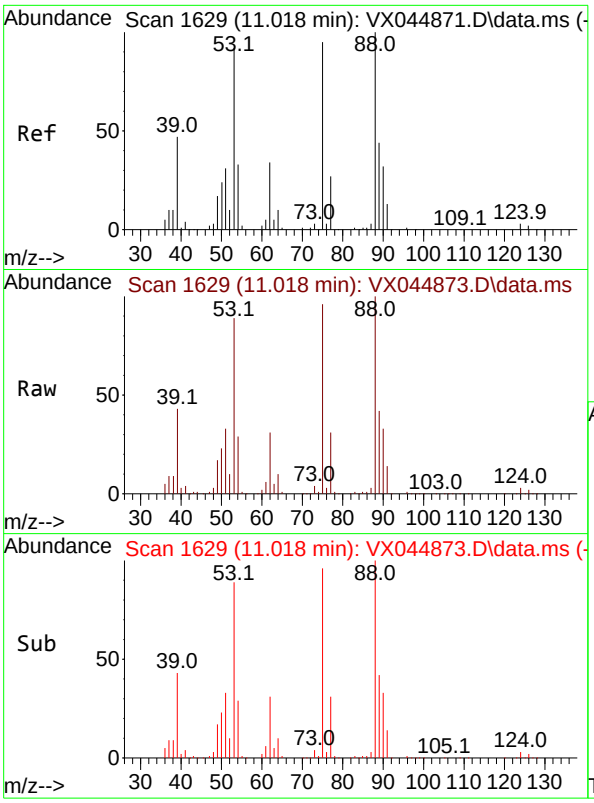


#80
1,3,5-Trimethylbenzene
Concen: 148.415 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 822707

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 173.221 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

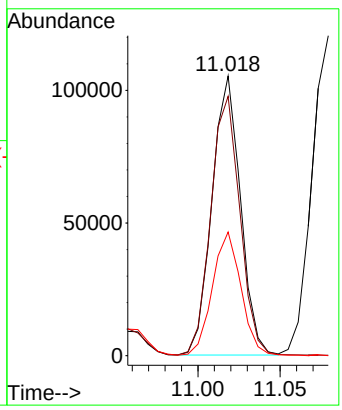
Tgt Ion: 75 Resp: 12666

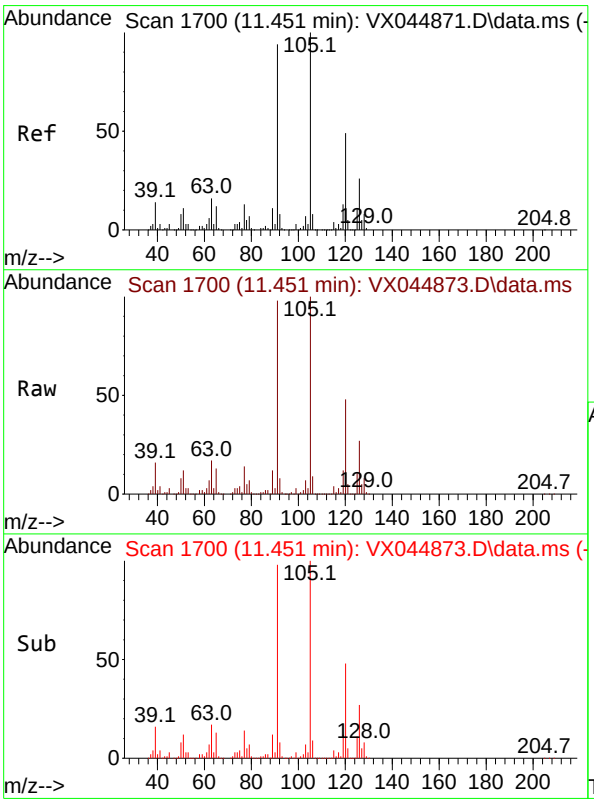
Ion	Ratio	Lower	Upper
75	100		
53	95.2	78.0	117.0
89	44.7	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

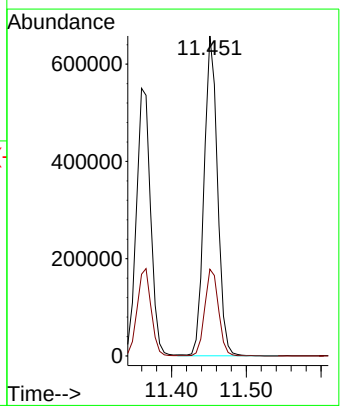


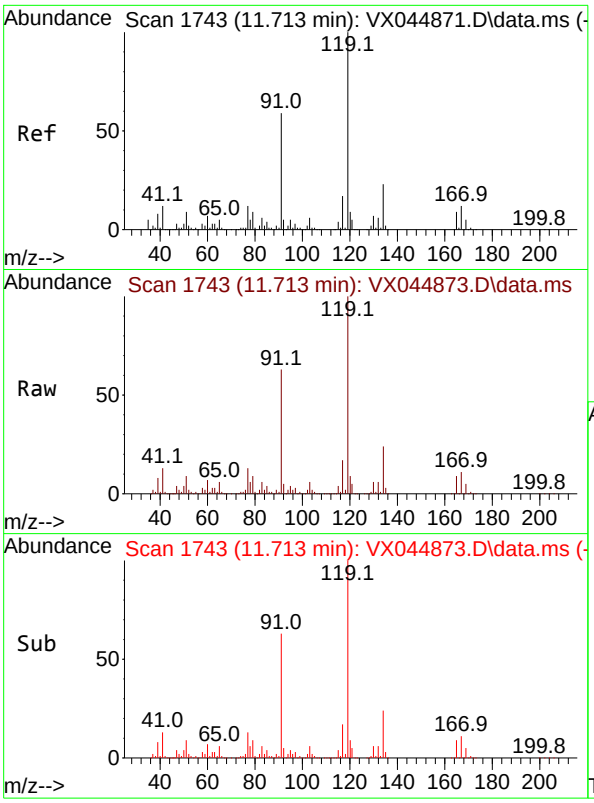


#82
4-Chlorotoluene
Concen: 152.602 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 818099

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.2	42.6

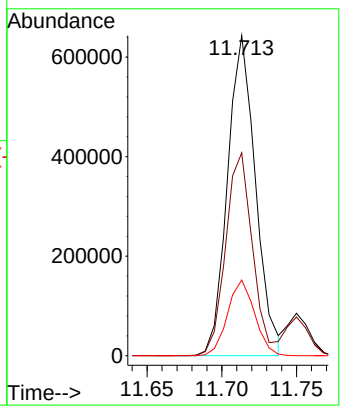




#83
tert-Butylbenzene
Concen: 149.610 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:119 Resp: 83897

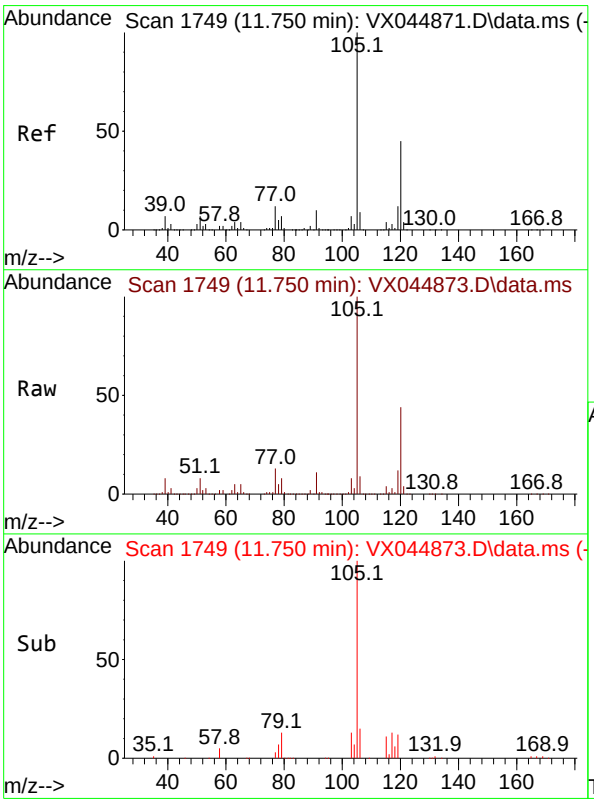
Ion	Ratio	Lower	Upper
119	100		
91	61.1	29.1	87.4
134	22.9	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

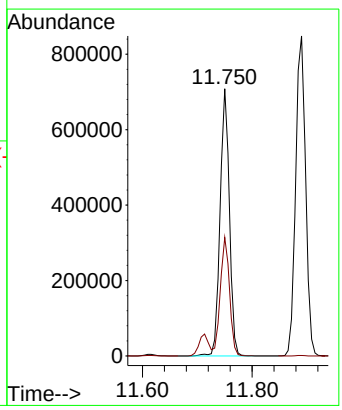
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

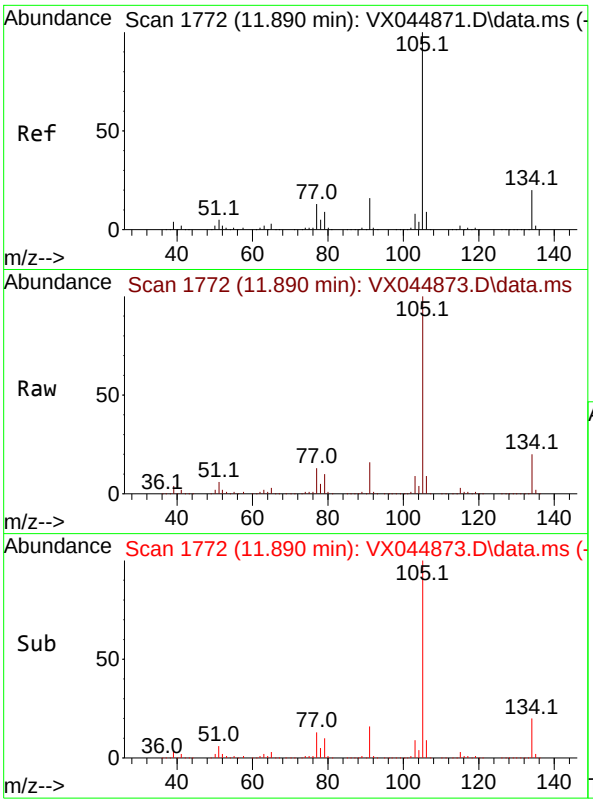


#84
1,2,4-Trimethylbenzene
Concen: 153.274 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 838584

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.4	67.0

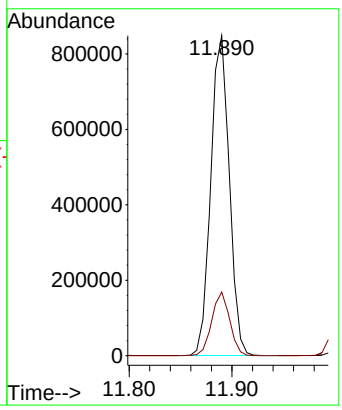




#85
sec-Butylbenzene
Concen: 152.806 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 106110

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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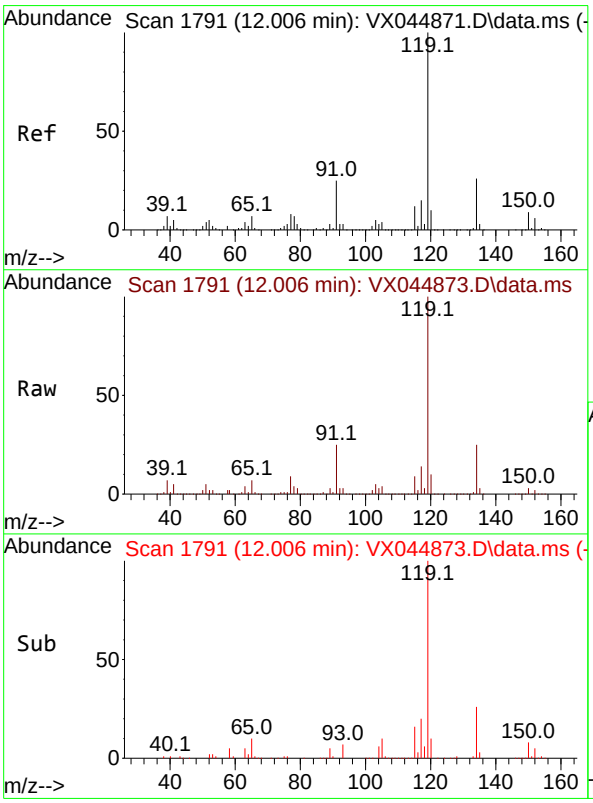
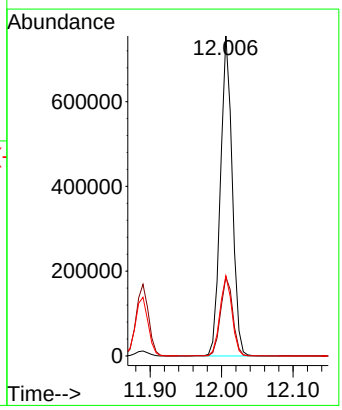
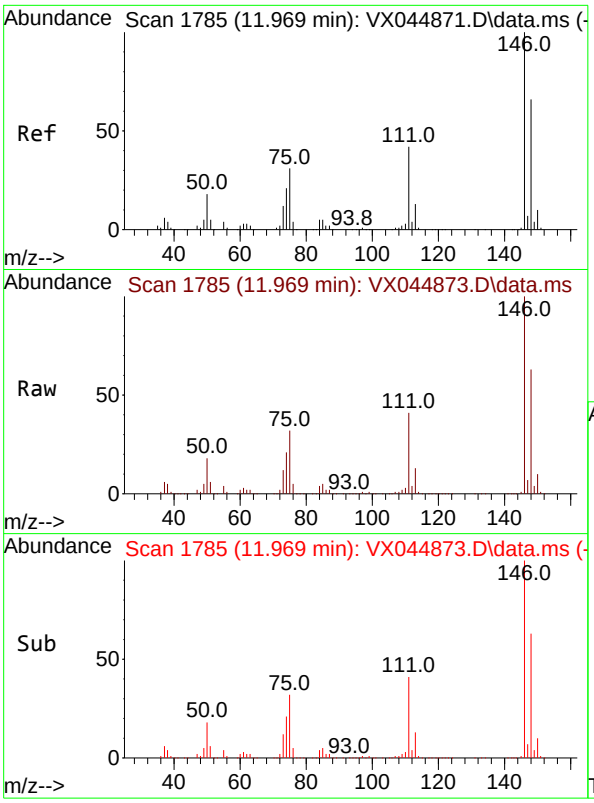


#86
p-Isopropyltoluene
Concen: 154.987 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:119 Resp: 865491

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.3	12.1	36.3

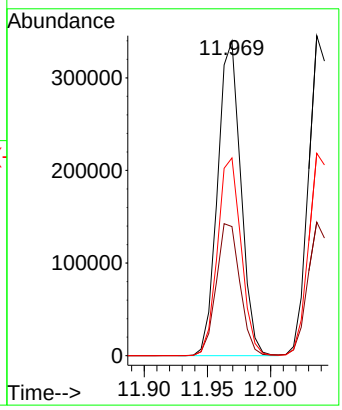




#87
1,3-Dichlorobenzene
Concen: 152.175 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:146 Resp: 43338

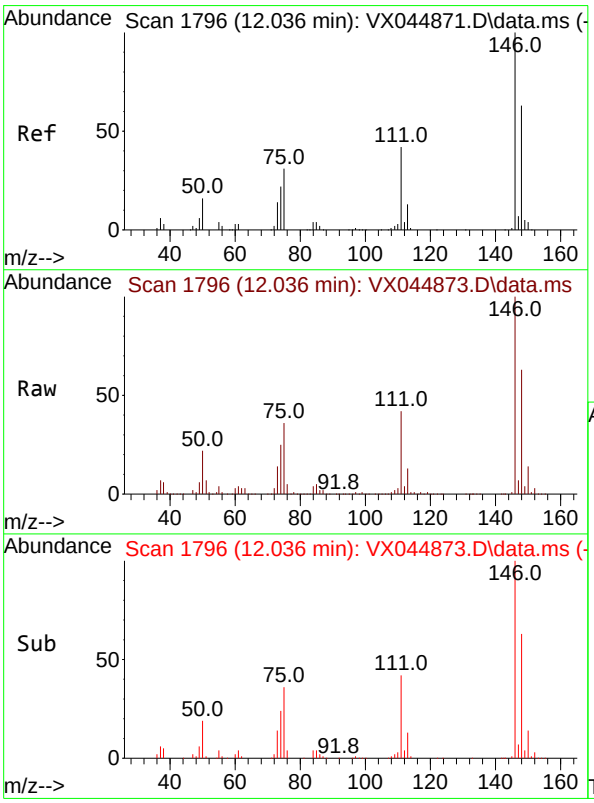
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	63.9	32.5	97.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

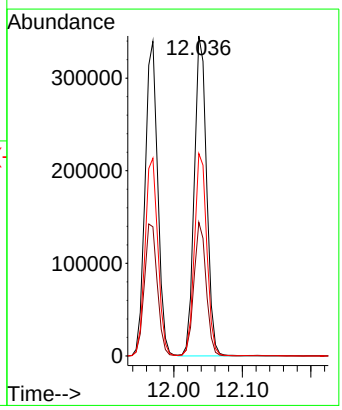
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

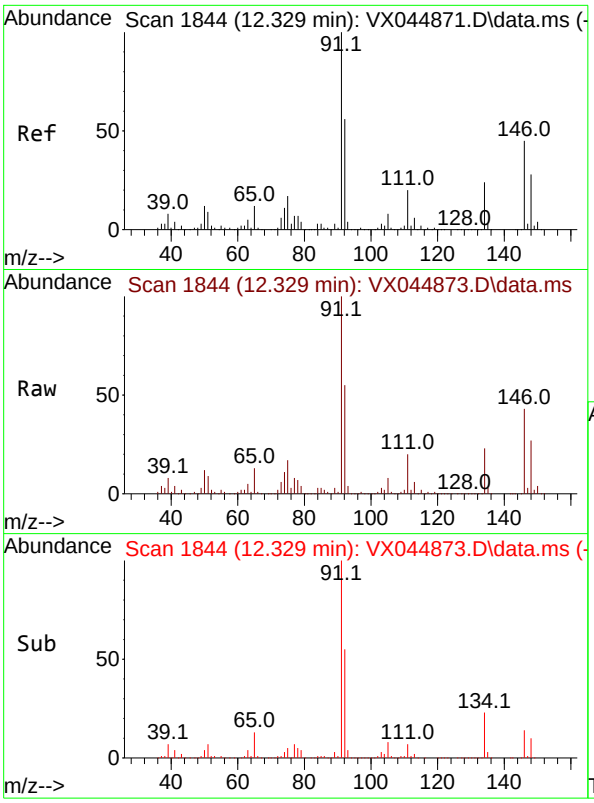


#88
1,4-Dichlorobenzene
Concen: 150.362 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:146 Resp: 432987

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.7	32.0	96.0





#89
n-Butylbenzene
Concen: 167.469 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

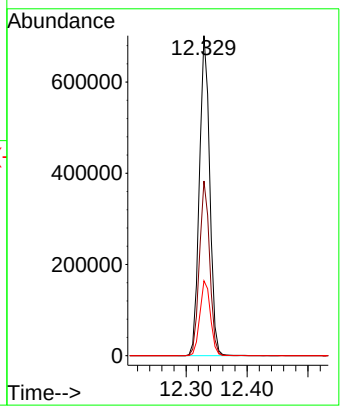
Tgt Ion: 91 Resp: 82735

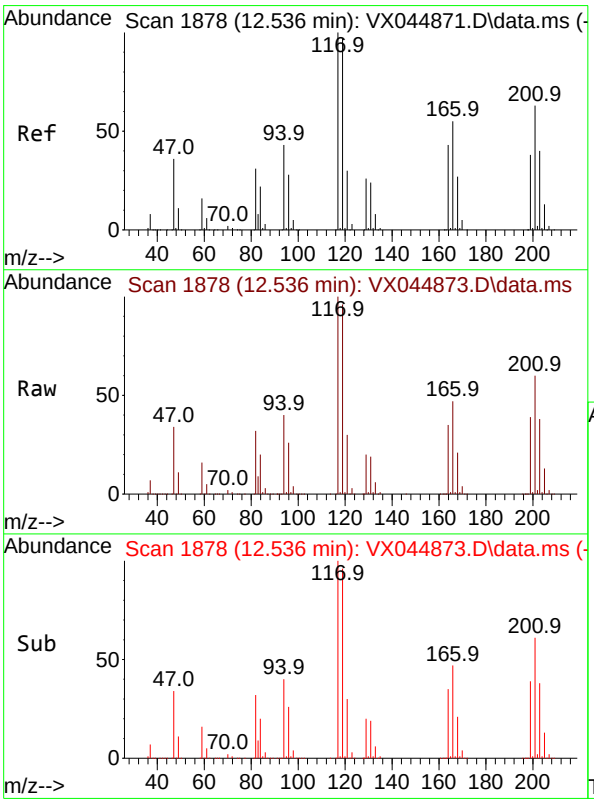
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	24.0	12.1	36.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

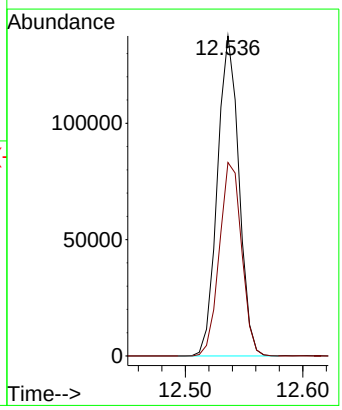


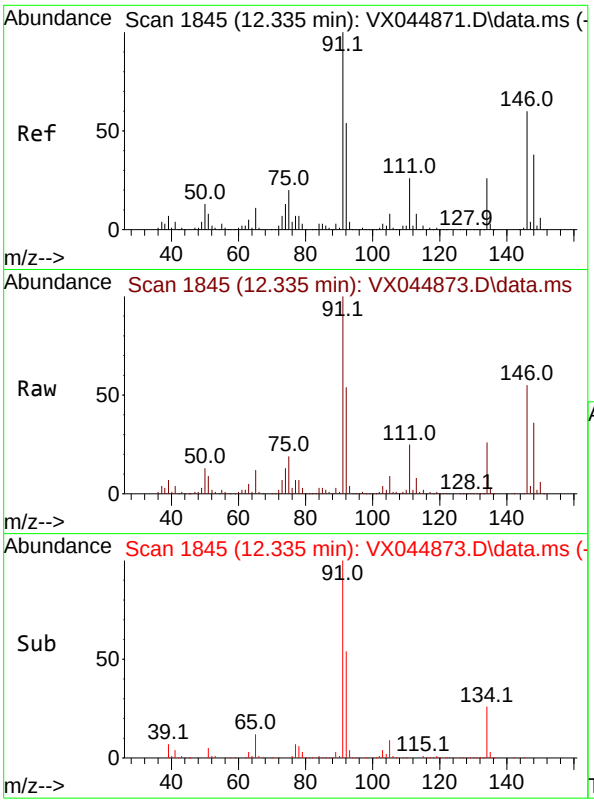


#90
Hexachloroethane
Concen: 167.760 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:117 Resp: 175414

Ion	Ratio	Lower	Upper
117	100		
201	62.4	32.5	97.5

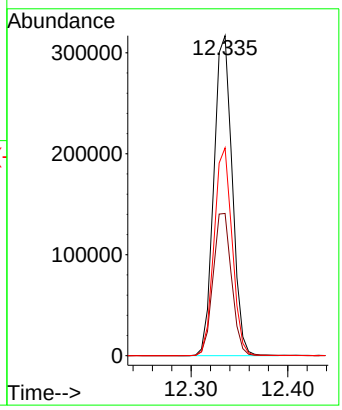




#91
1,2-Dichlorobenzene
Concen: 149.042 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:146 Resp: 41716

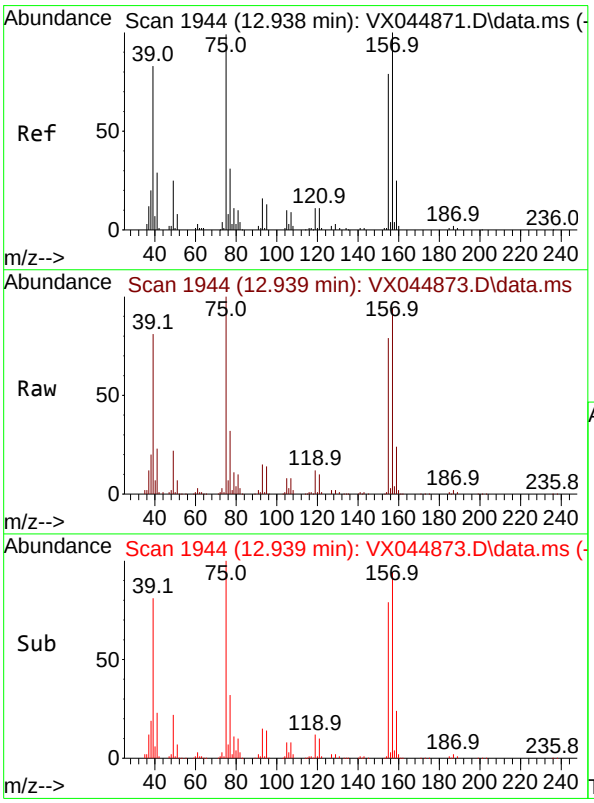
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.8	65.4
148	64.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

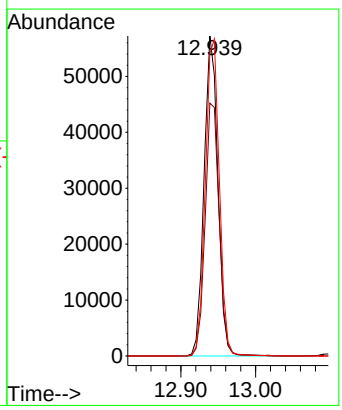
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

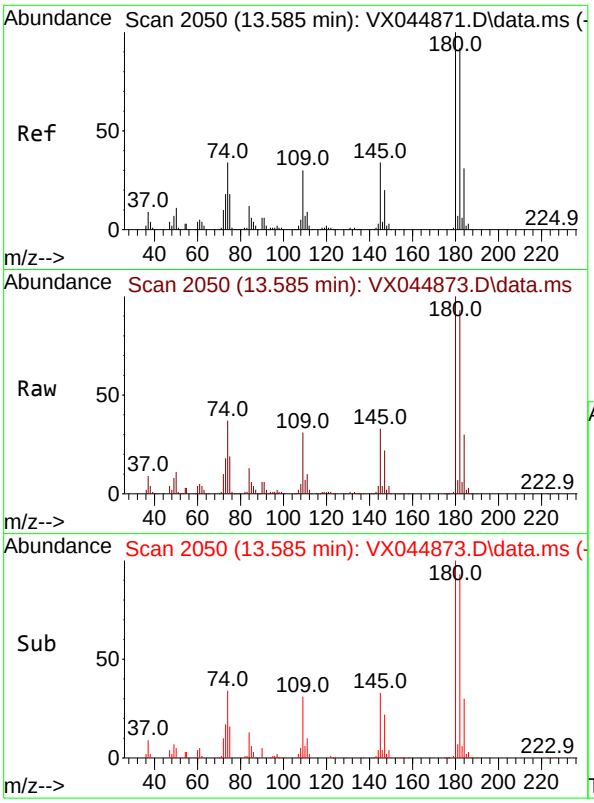


#92
1,2-Dibromo-3-Chloropropane
Concen: 171.783 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 73593

Ion	Ratio	Lower	Upper
75	100		
155	80.1	40.5	121.4
157	100.5	51.4	154.3





#93
1,2,4-Trichlorobenzene
Concen: 167.095 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

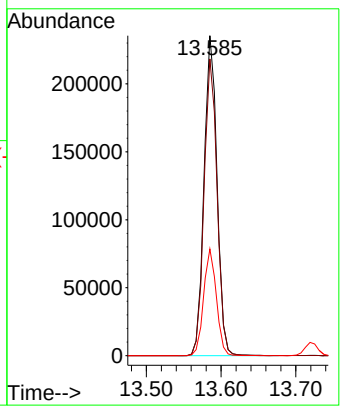
Tgt Ion:180 Resp: 28300

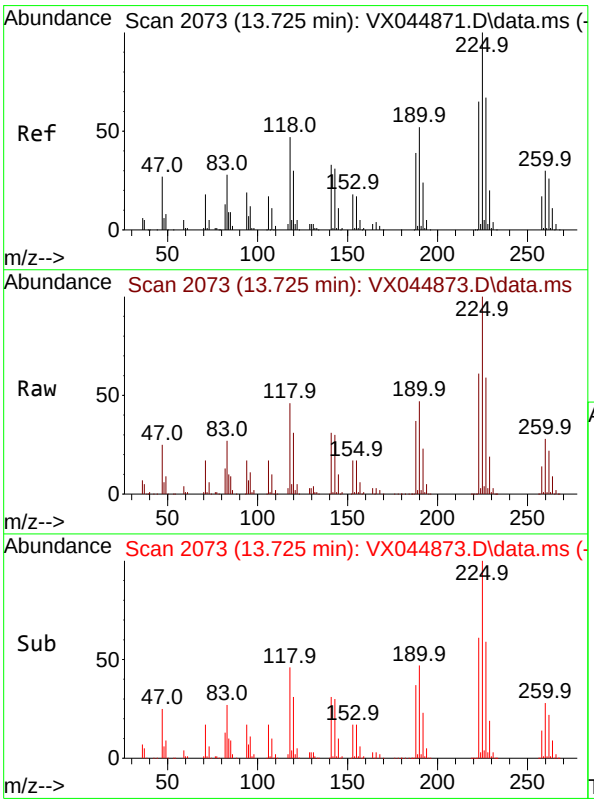
Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.6	142.8
145	32.8	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

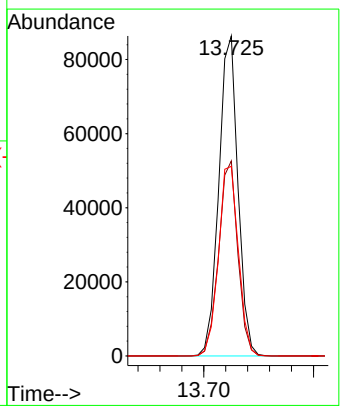


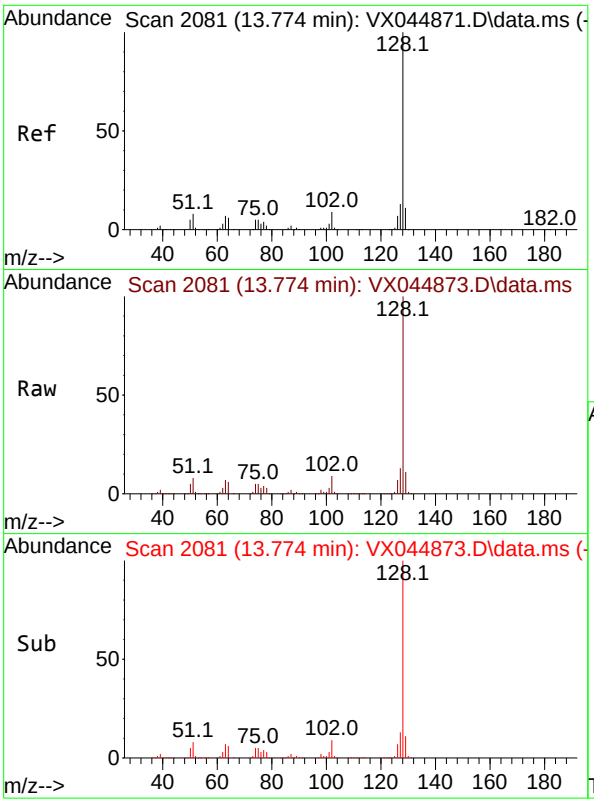


#94
Hexachlorobutadiene
Concen: 155.682 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:225 Resp: 104674

Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.4	94.2
227	61.9	32.3	96.8

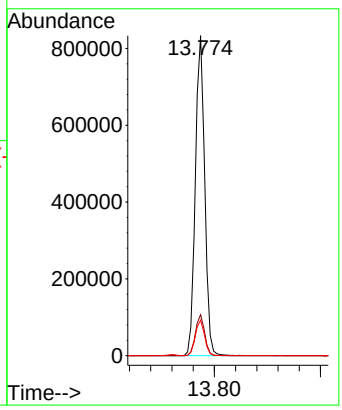




#95
Naphthalene
Concen: 165.916 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:128 Resp: 101580

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.0	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
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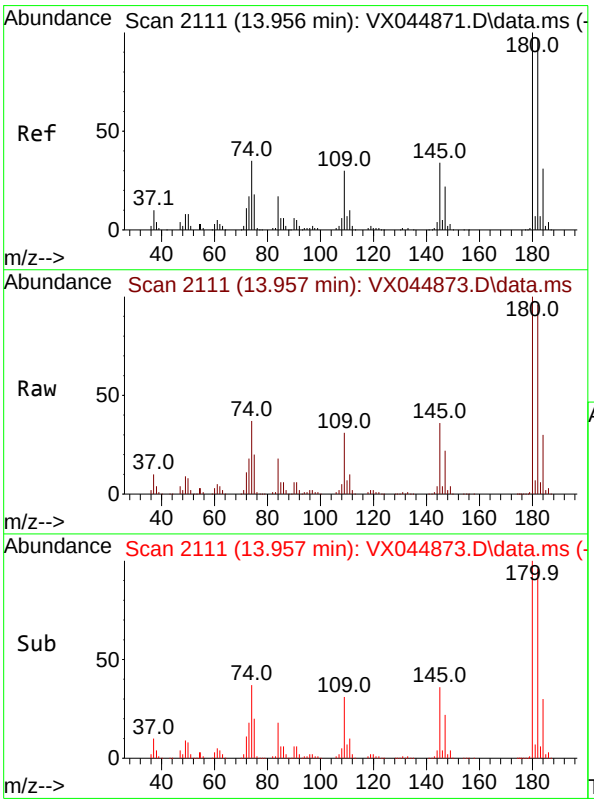
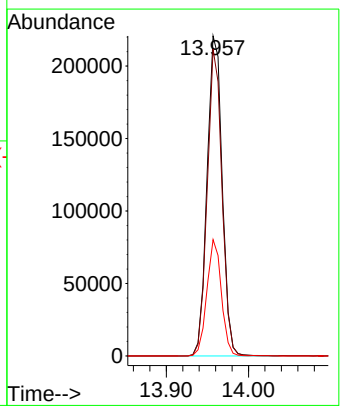


#96
1,2,3-Trichlorobenzene
Concen: 165.408 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:180 Resp: 282289

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.6
145	34.9	17.1	51.3



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	135936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95635	48.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.120%			
35) Dibromofluoromethane	5.379	113	78360	49.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.647	98	299178	49.649	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.300%			
62) 4-Bromofluorobenzene	11.079	95	105201	51.786	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	93752	49.173	ug/l	99
3) Chloromethane	1.300	50	110431	47.590	ug/l	98
4) Vinyl Chloride	1.374	62	105730	47.033	ug/l	100
5) Bromomethane	1.593	94	31428	46.719	ug/l	97
6) Chloroethane	1.660	64	37913	42.198	ug/l	99
7) Trichlorofluoromethane	1.867	101	138044	48.558	ug/l	97
8) Diethyl Ether	2.130	74	49018	47.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	86892	50.588	ug/l	98
10) Methyl Iodide	2.447	142	111488	50.082	ug/l	100
11) Tert butyl alcohol	2.983	59	92949	251.791	ug/l	100
12) 1,1-Dichloroethene	2.306	96	83987	47.935	ug/l	95
13) Acrolein	2.233	56	91744	240.879	ug/l	98
14) Allyl chloride	2.654	41	155084	48.976	ug/l	99
15) Acrylonitrile	3.062	53	247921	251.537	ug/l	99
16) Acetone	2.379	43	205743	257.198	ug/l	98
17) Carbon Disulfide	2.501	76	237694	49.472	ug/l	100
18) Methyl Acetate	2.703	43	126015	49.920	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	275685	49.453	ug/l	99
20) Methylene Chloride	2.782	84	94006	47.978	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	84720	49.129	ug/l	98
22) Diisopropyl ether	3.757	45	300357	50.138	ug/l	98
23) Vinyl Acetate	3.715	43	1257431	257.465	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165351	49.329	ug/l	99
25) 2-Butanone	4.556	43	335358	258.175	ug/l	97
26) 2,2-Dichloropropane	4.464	77	133670	50.285	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	102518	49.493	ug/l	99
28) Bromochloromethane	4.891	49	72893	45.250	ug/l	99
29) Tetrahydrofuran	5.001	42	218496	253.318	ug/l	100
30) Chloroform	5.086	83	157312	48.393	ug/l	98
31) Cyclohexane	5.458	56	152073	49.211	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	134626	48.825	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111968	48.702	ug/l	99
37) Ethyl Acetate	4.708	43	126071	49.300	ug/l	99
38) Carbon Tetrachloride	5.672	117	110581	49.083	ug/l	97
39) Methylcyclohexane	7.372	83	158289	53.254	ug/l	98
40) Benzene	6.031	78	358365	49.919	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	73559	53.741	ug/l		99
42) 1,2-Dichloroethane	6.080	62	115339	50.410	ug/l		100
43) Isopropyl Acetate	6.336	43	213901	51.798	ug/l		100
44) Trichloroethene	7.116	130	81911	49.917	ug/l		99
45) 1,2-Dichloropropane	7.427	63	89992	50.387	ug/l		98
46) Dibromomethane	7.580	93	61360	49.540	ug/l		99
47) Bromodichloromethane	7.818	83	122265	50.980	ug/l		99
48) Methyl methacrylate	7.690	41	102900	52.848	ug/l		99
49) 1,4-Dioxane	7.659	88	42658	1021.138	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	665564	265.112	ug/l		100
52) Toluene	8.714	92	216682	50.680	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	130405	53.731	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	143379	52.986	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	83510	50.811	ug/l		100
56) Ethyl methacrylate	9.116	69	143524	54.068	ug/l		99
57) 1,3-Dichloropropane	9.305	76	146236	50.852	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	370622	284.352	ug/l		99
59) 2-Hexanone	9.427	43	488298	269.951	ug/l		99
60) Dibromochloromethane	9.518	129	90826	51.673	ug/l		99
61) 1,2-Dibromoethane	9.604	107	85683	51.436	ug/l		100
64) Tetrachloroethene	9.268	164	66468	49.424	ug/l		98
65) Chlorobenzene	10.079	112	233373	50.952	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	75488	51.205	ug/l		98
67) Ethyl Benzene	10.189	91	415575	51.415	ug/l		99
68) m/p-Xylenes	10.299	106	310925	104.282	ug/l		100
69) o-Xylene	10.640	106	151995	50.804	ug/l		100
70) Styrene	10.652	104	257972	53.521	ug/l		100
71) Bromoform	10.799	173	59409	53.997	ug/l	#	100
73) Isopropylbenzene	10.957	105	390246	49.921	ug/l		100
74) N-amyl acetate	10.841	43	186145	52.621	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	129829	48.331	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	106893m	49.659	ug/l		
77) Bromobenzene	11.195	156	88129	49.725	ug/l		100
78) n-propylbenzene	11.299	91	463655	51.386	ug/l		99
79) 2-Chlorotoluene	11.360	91	272091	49.065	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	323251	50.956	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	44070	52.665	ug/l		99
82) 4-Chlorotoluene	11.451	91	312112	50.872	ug/l		100
83) tert-Butylbenzene	11.713	119	321772	50.139	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	323035	51.593	ug/l		100
85) sec-Butylbenzene	11.890	105	410197	51.617	ug/l		100
86) p-Isopropyltoluene	12.006	119	336027	52.581	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	164508	50.475	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	163203	49.526	ug/l		100
89) n-Butylbenzene	12.329	91	311764	55.142	ug/l		100
90) Hexachloroethane	12.536	117	61016	50.990	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	161590	50.447	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25339	51.684	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	102197	52.726	ug/l		99
94) Hexachlorobutadiene	13.719	225	38998	50.683	ug/l		98
95) Naphthalene	13.774	128	371576	53.033	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	100730	51.575	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
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Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
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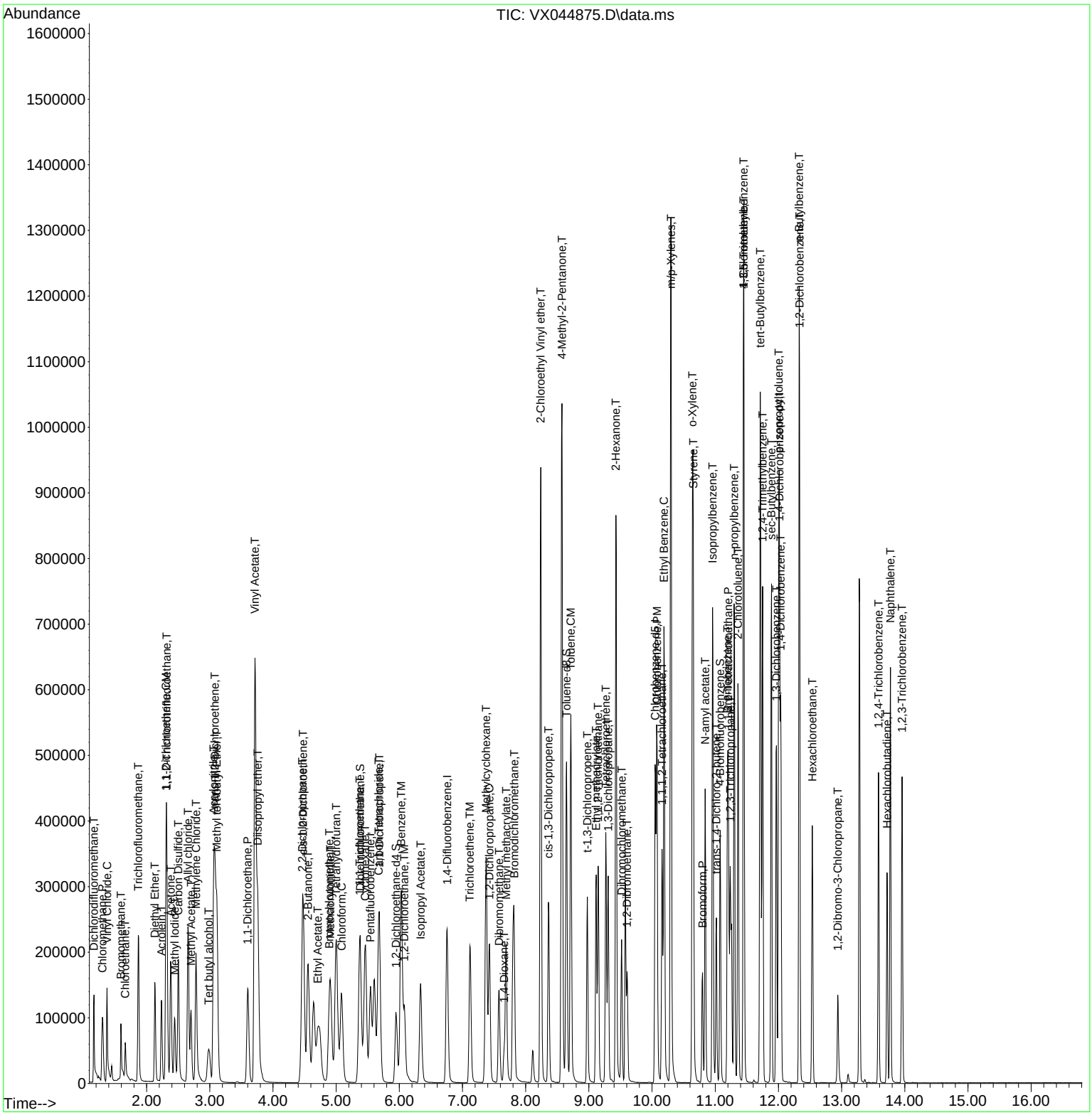
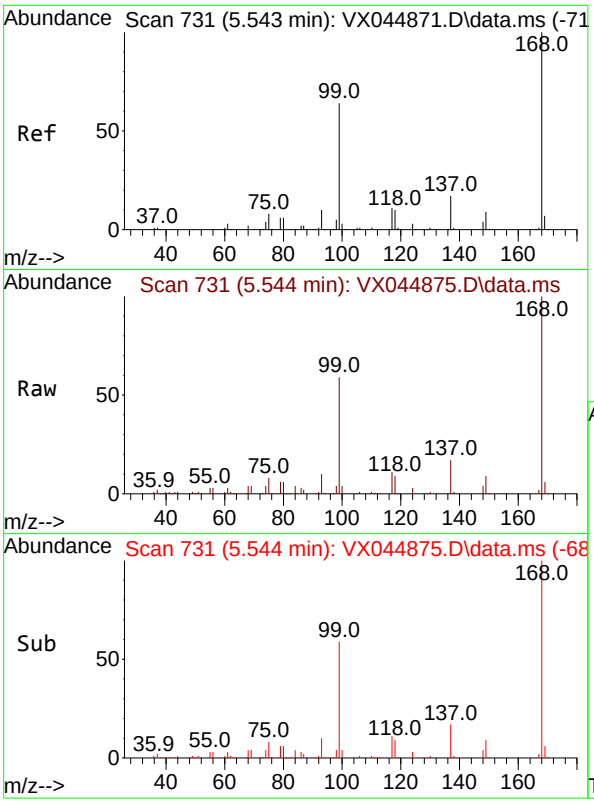
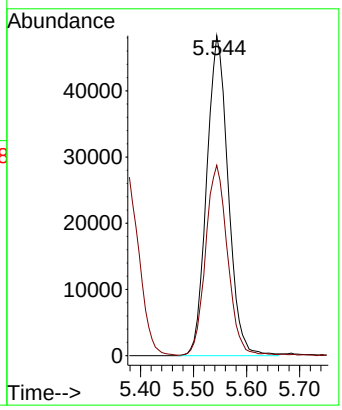




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:168 Resp: 13593

Ion	Ratio	Lower	Upper
168	100		
99	59.3	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

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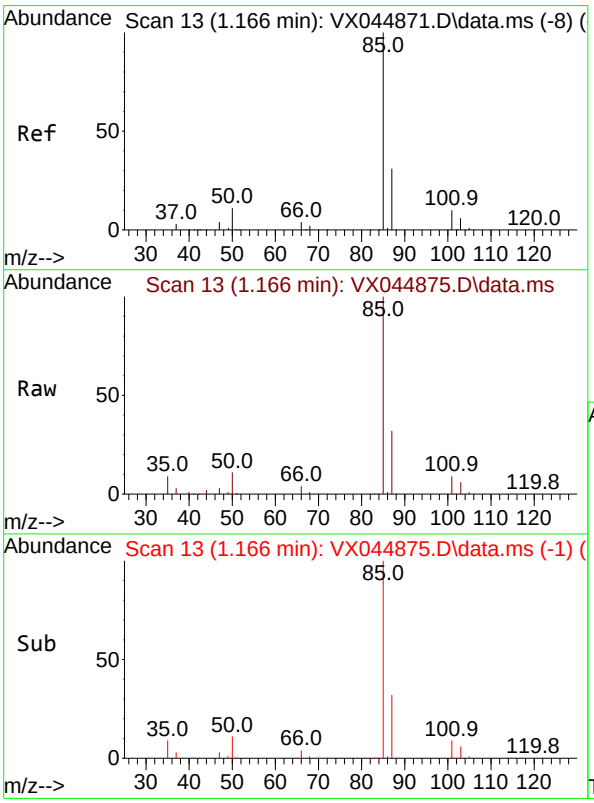
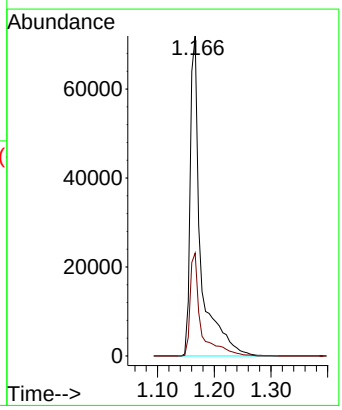
Supervised By :Mahesh Dadoda 02/11/2025

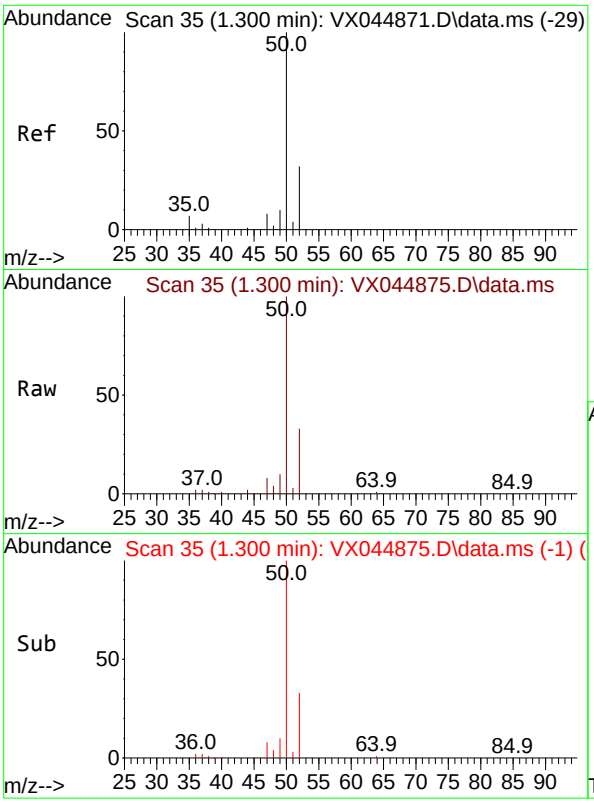


#2
Dichlorodifluoromethane
Concen: 49.173 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 85 Resp: 93752

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3

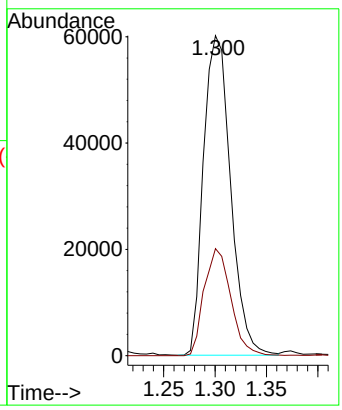




#3
Chloromethane
Concen: 47.590 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 50 Resp: 11043

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

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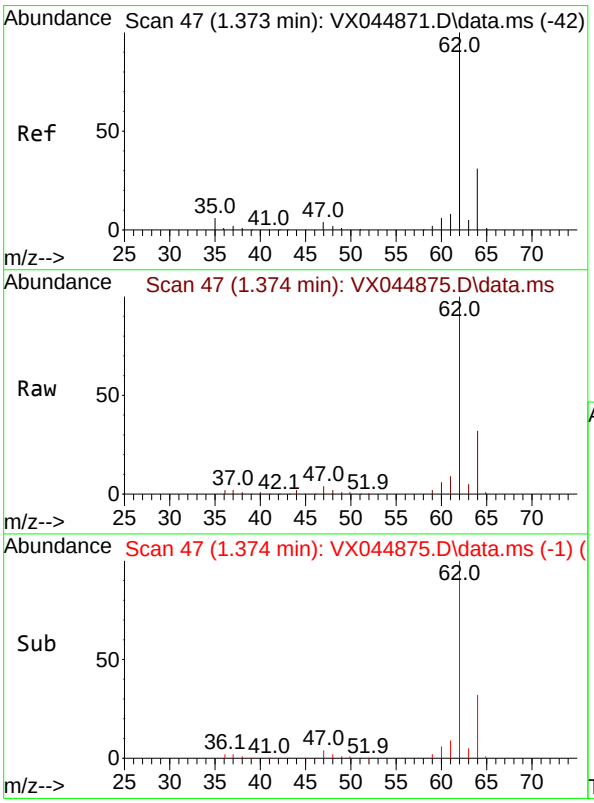
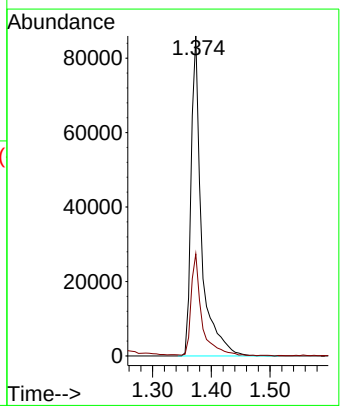
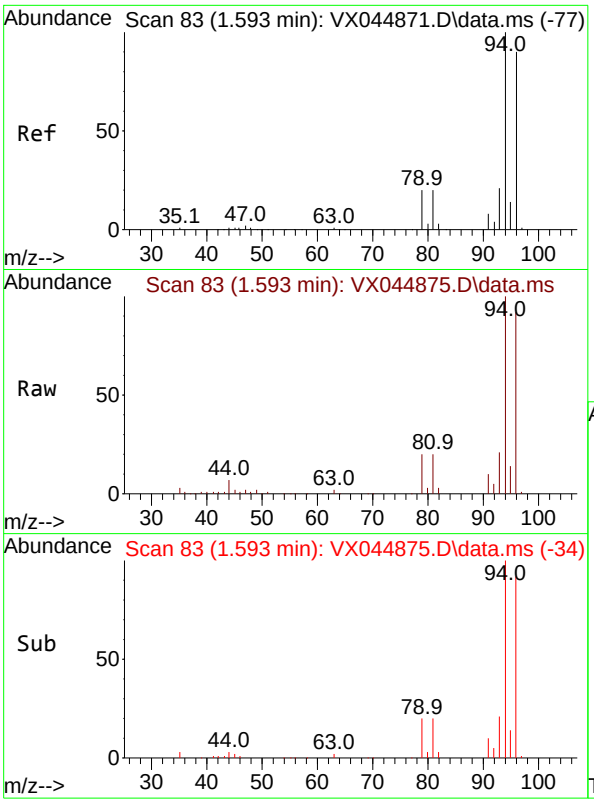


#4
Vinyl Chloride
Concen: 47.033 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 105730

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0

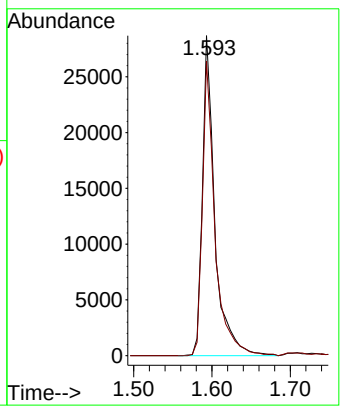




#5
Bromomethane
Concen: 46.719 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 94 Resp: 3142

Ion	Ratio	Lower	Upper
94	100		
96	92.0	71.6	107.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

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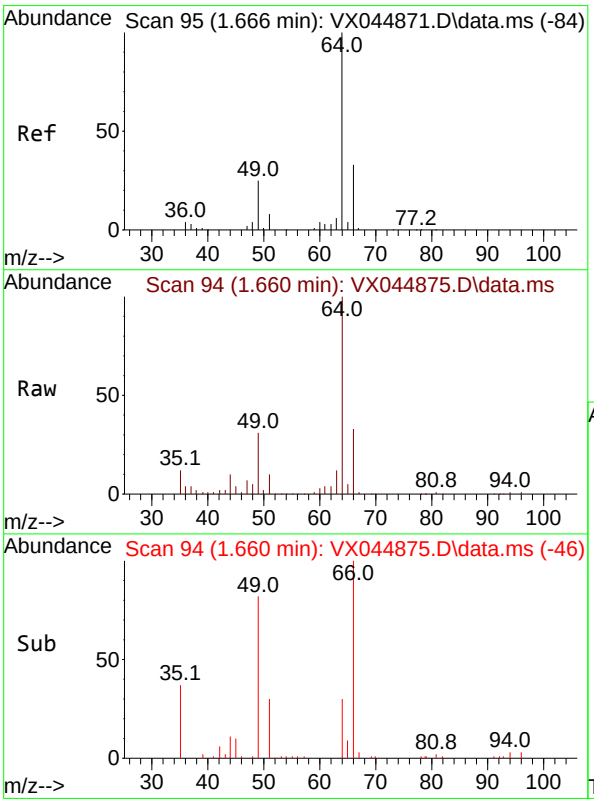
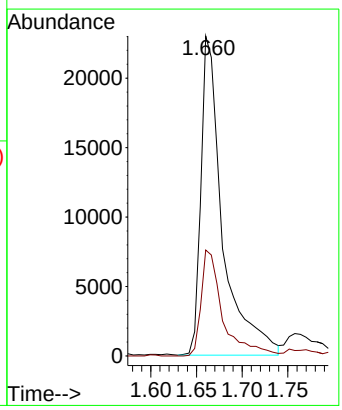
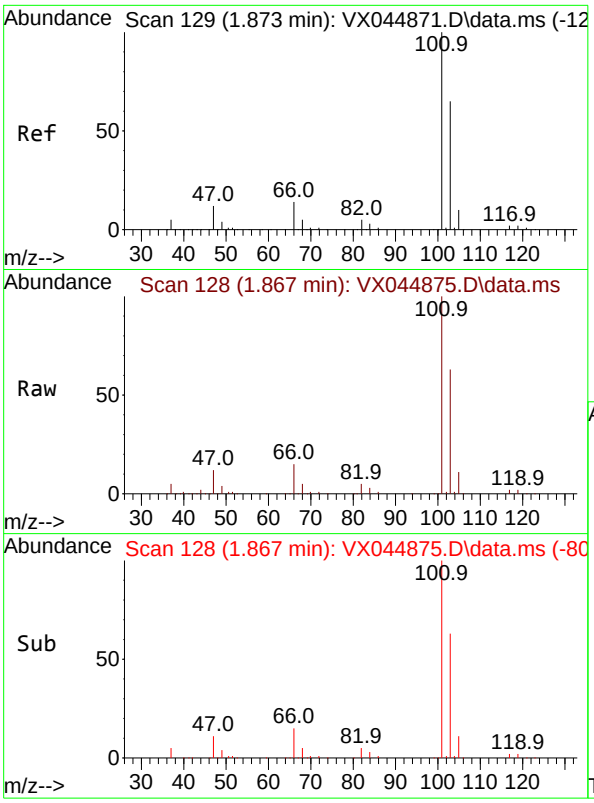


#6
Chloroethane
Concen: 42.198 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 64 Resp: 37913

Ion	Ratio	Lower	Upper
64	100		
66	33.2	25.9	38.9

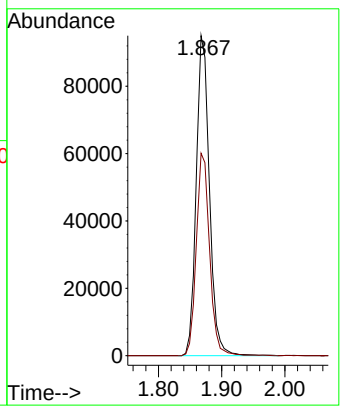




#7
Trichlorofluoromethane
Concen: 48.558 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:101 Resp: 13804

Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.4	78.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

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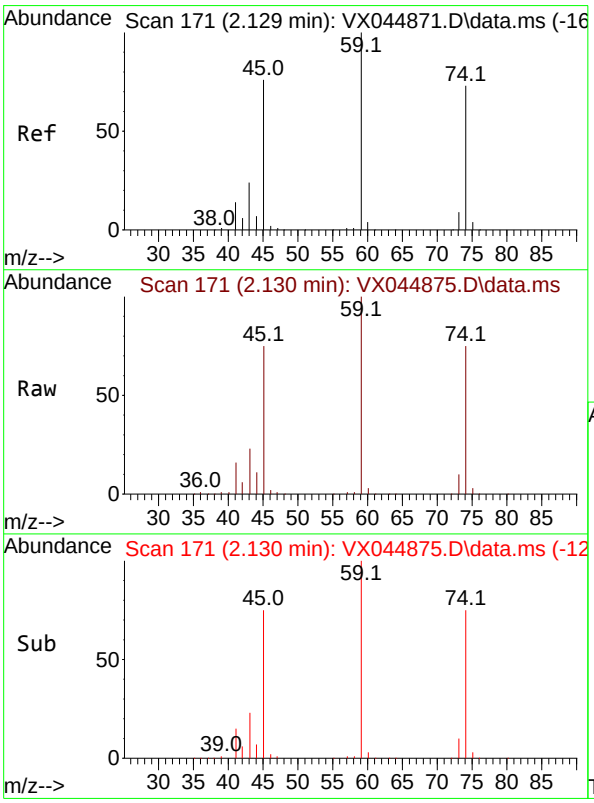
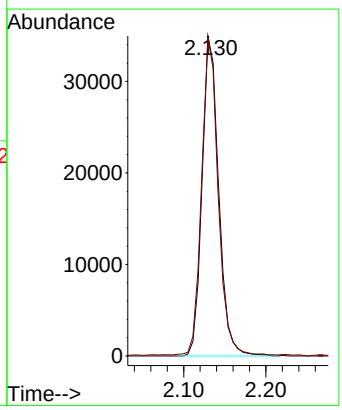
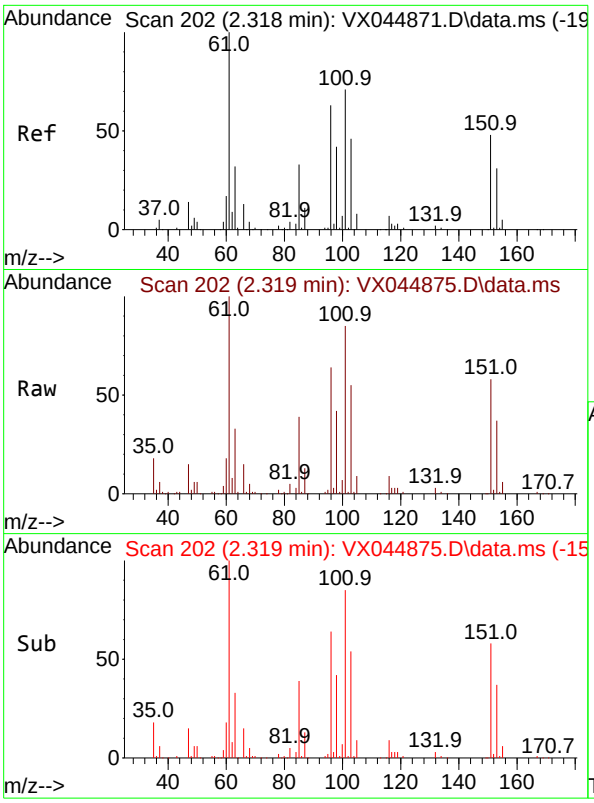


#8
Diethyl Ether
Concen: 47.544 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 74 Resp: 49018

Ion	Ratio	Lower	Upper
74	100		
45	98.9	51.1	153.4

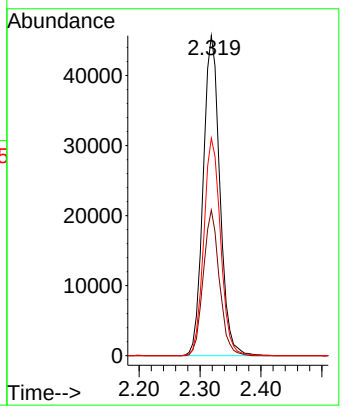




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.588 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:101 Resp: 8689

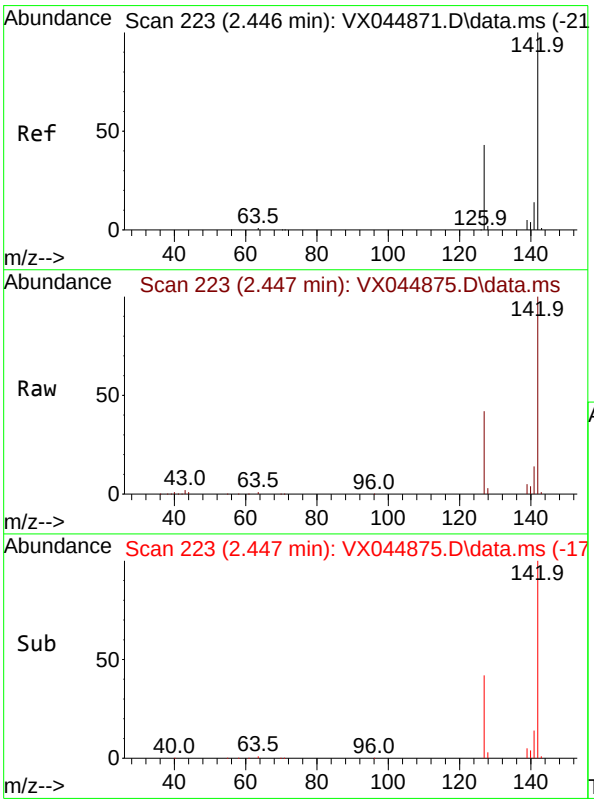
Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.7	53.5
151	68.4	56.0	84.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

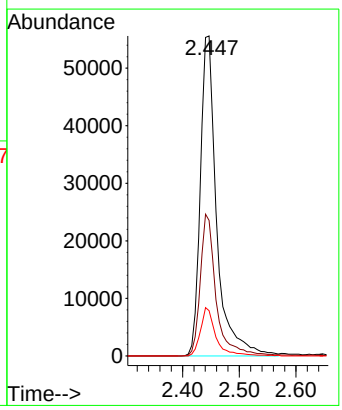
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

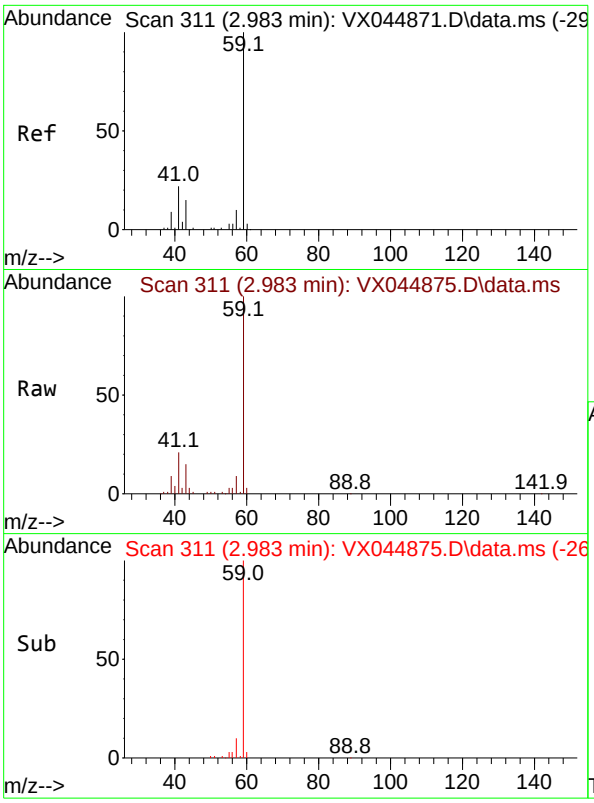


#10
Methyl Iodide
Concen: 50.082 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:142 Resp: 111488

Ion	Ratio	Lower	Upper
142	100		
127	43.1	34.3	51.5
141	14.3	11.4	17.2

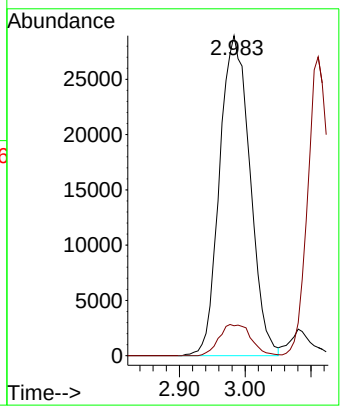




#11
Tert butyl alcohol
Concen: 251.791 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 59 Resp: 9294

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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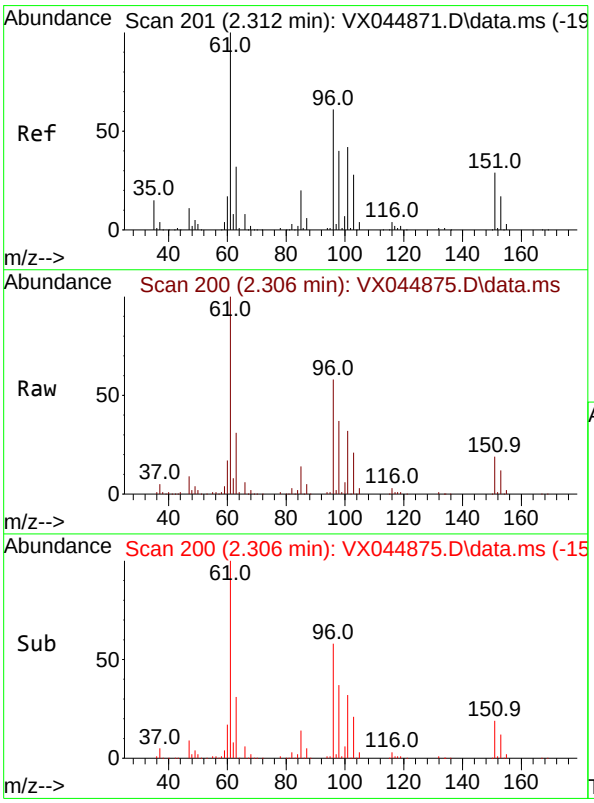
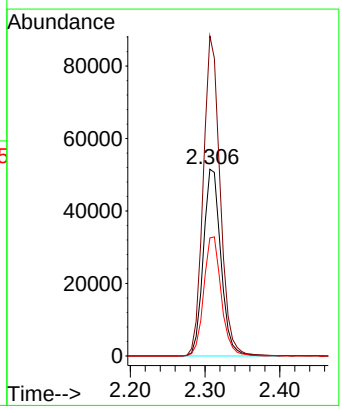
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

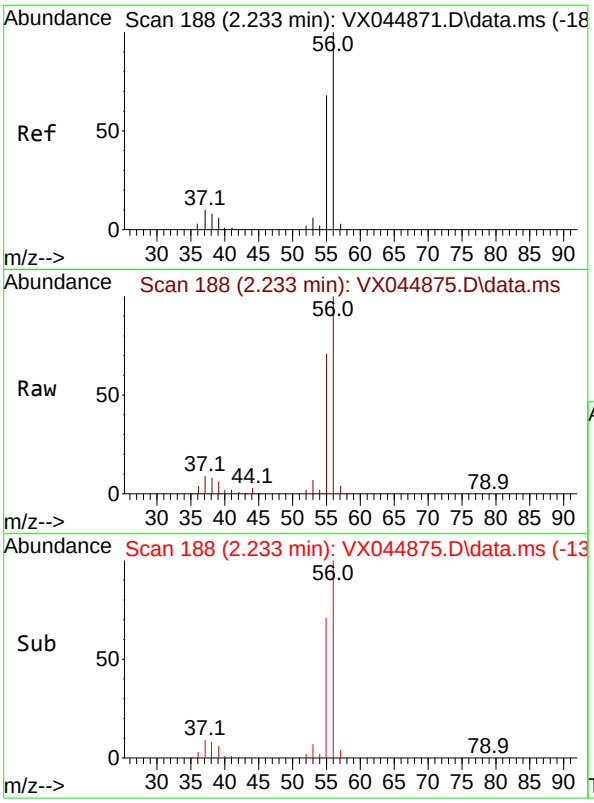


#12
1,1-Dichloroethene
Concen: 47.935 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 96 Resp: 83987

Ion	Ratio	Lower	Upper
96	100		
61	171.4	130.2	195.4
98	63.3	52.2	78.4

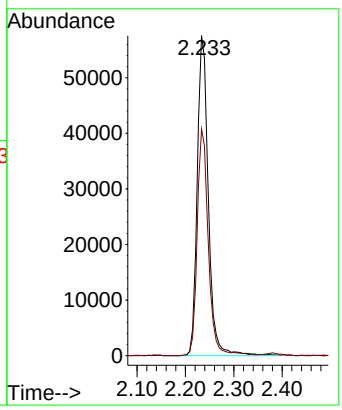




#13
Acrolein
Concen: 240.879 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 56 Resp: 9174

Ion	Ratio	Lower	Upper
56	100		
55	71.0	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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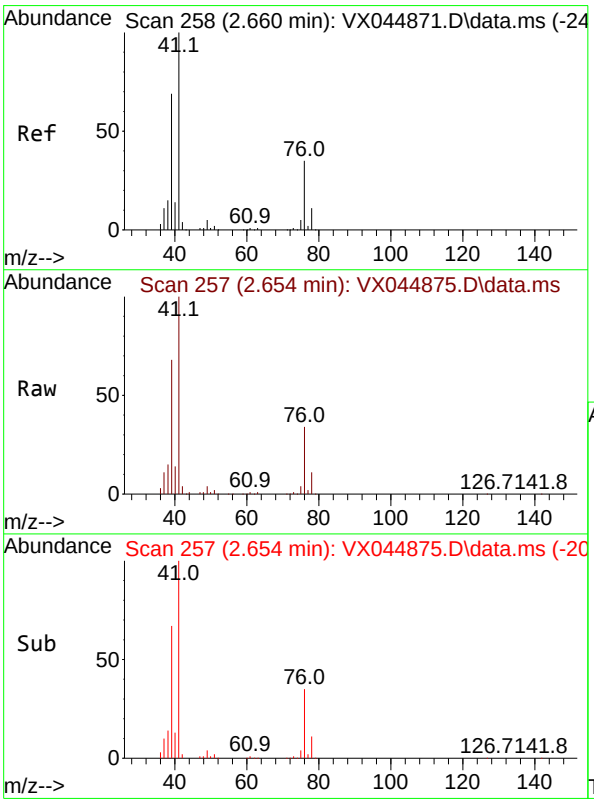
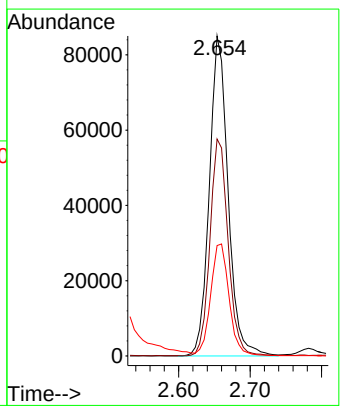
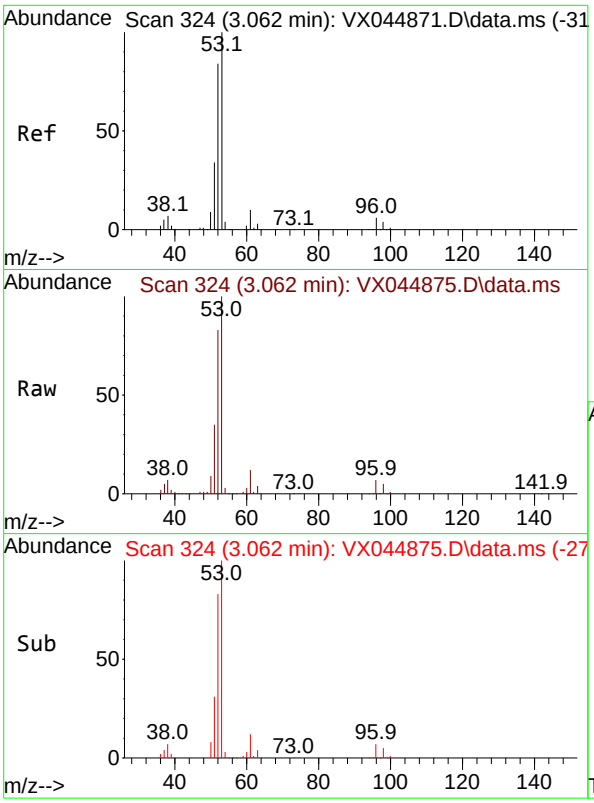


#14
Allyl chloride
Concen: 48.976 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 155084

Ion	Ratio	Lower	Upper
41	100		
39	65.4	51.4	77.2
76	34.2	27.0	40.4

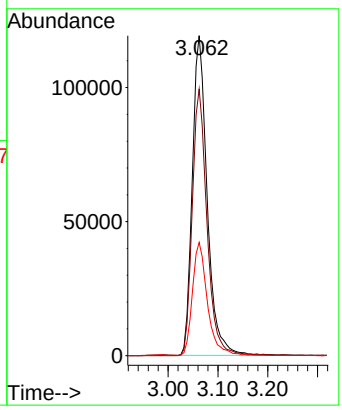




#15
Acrylonitrile
Concen: 251.537 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 53 Resp: 24792

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.7	28.0	42.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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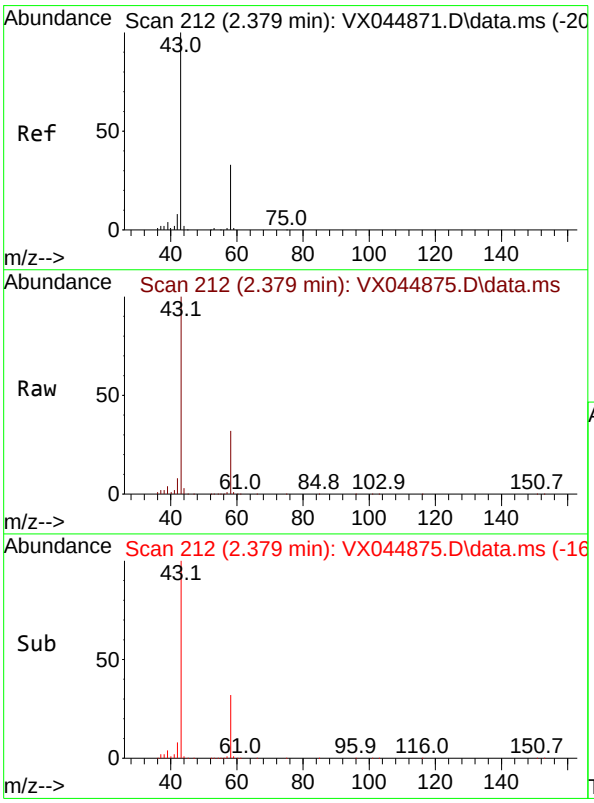
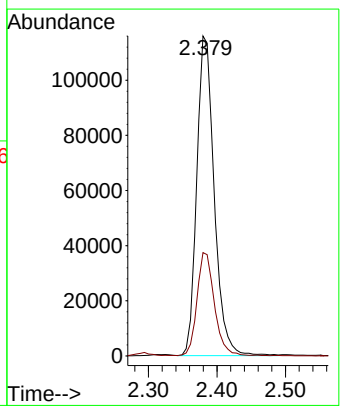
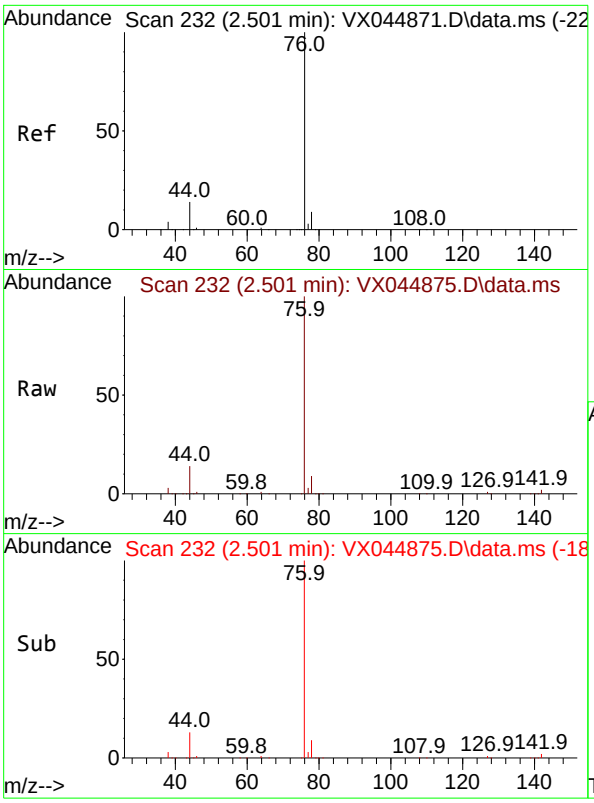


#16
Acetone
Concen: 257.198 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 205743

Ion	Ratio	Lower	Upper
43	100		
58	32.2	26.5	39.7

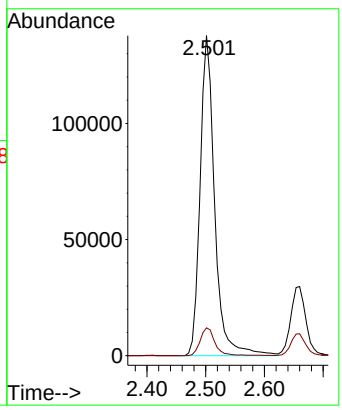




#17
Carbon Disulfide
Concen: 49.472 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 76 Resp: 23769

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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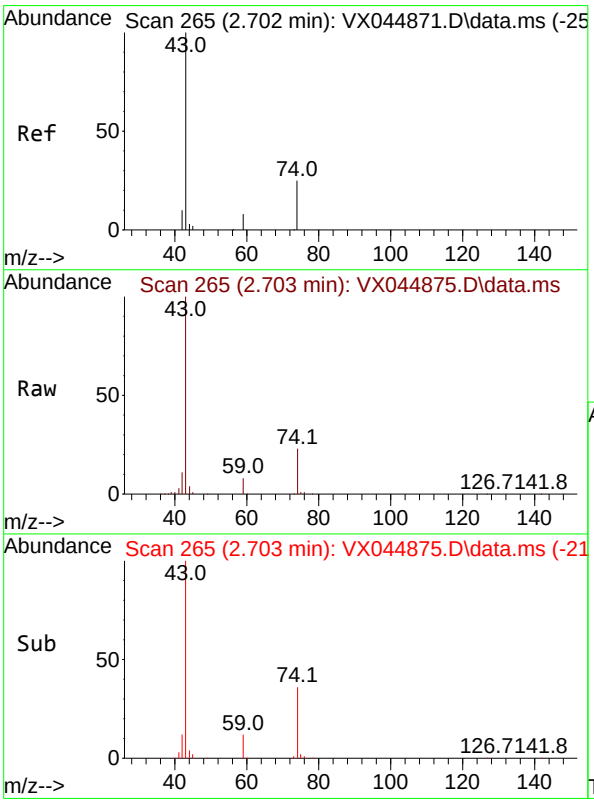
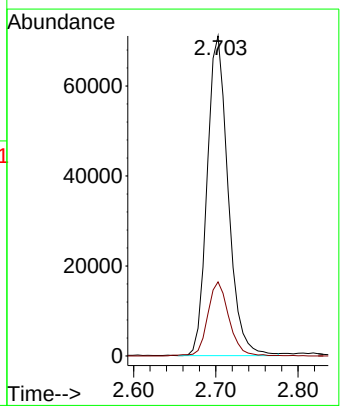
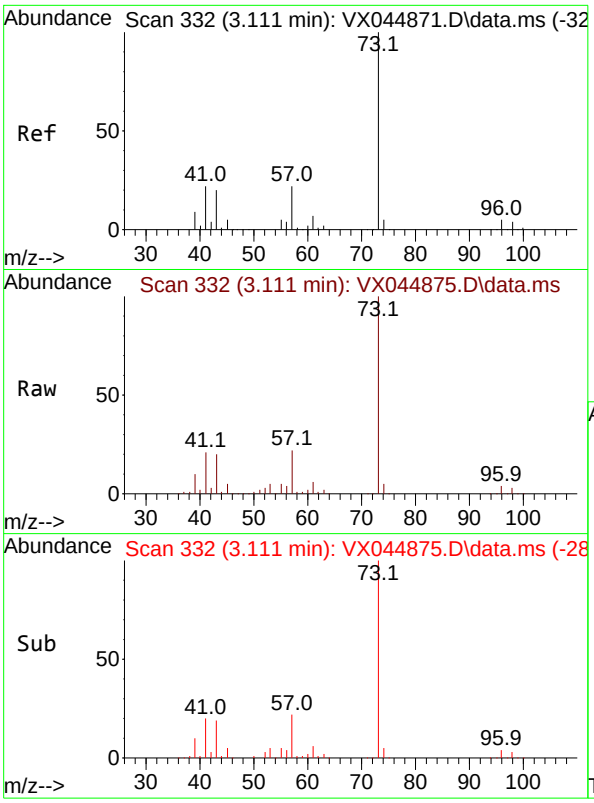


#18
Methyl Acetate
Concen: 49.920 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 126015

Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3

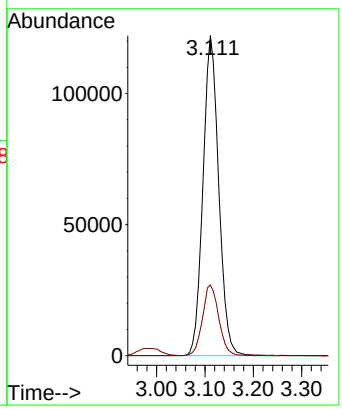




#19
Methyl tert-butyl Ether
Concen: 49.453 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 73 Resp: 27568

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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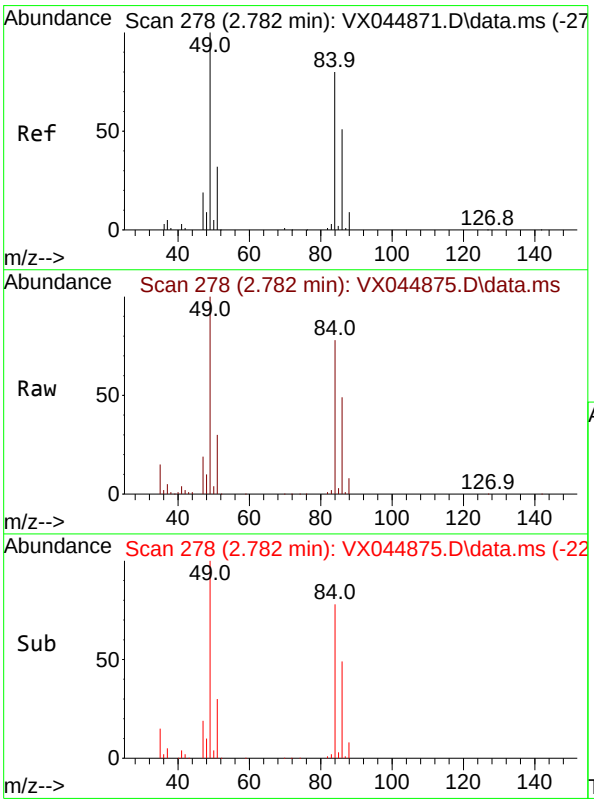
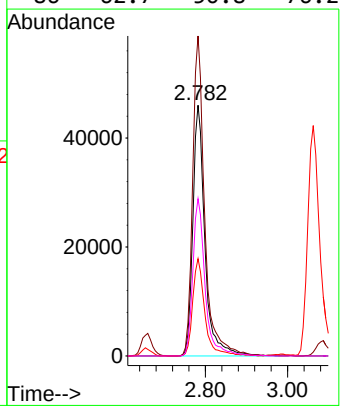
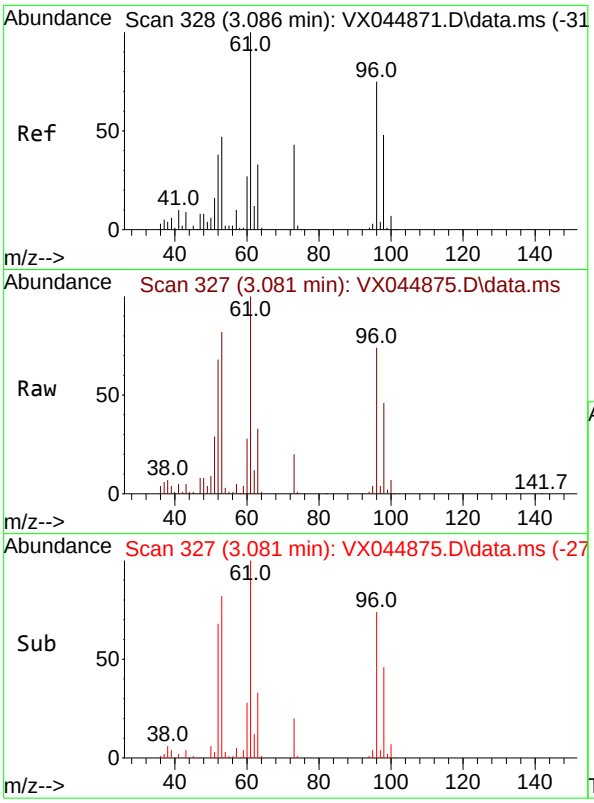


#20
Methylene Chloride
Concen: 47.978 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 84 Resp: 94006

Ion	Ratio	Lower	Upper
84	100		
49	127.6	100.1	150.1
51	38.8	31.7	47.5
86	62.7	50.8	76.2

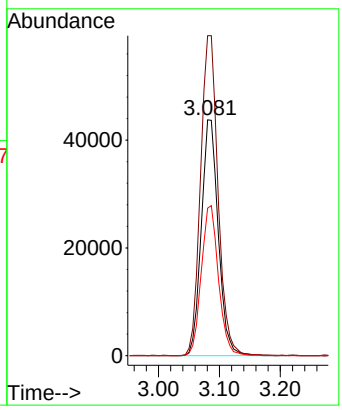




#21
trans-1,2-Dichloroethene
Concen: 49.129 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 96 Resp: 8472

Ion	Ratio	Lower	Upper
96	100		
61	135.7	106.0	159.0
98	62.5	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
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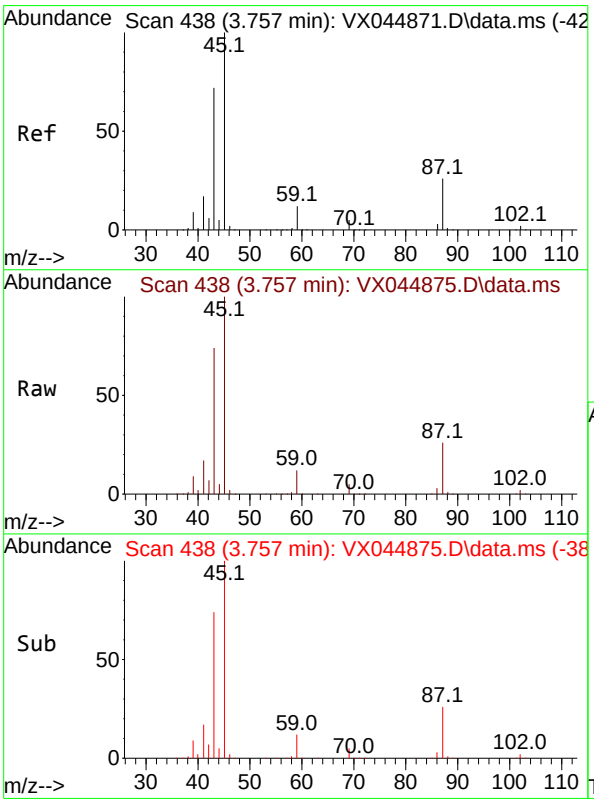
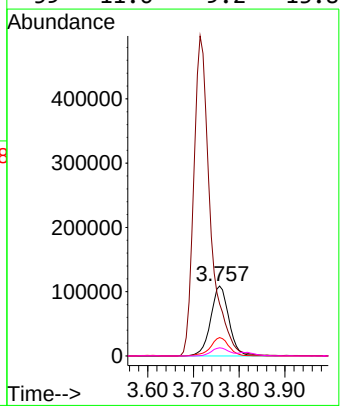
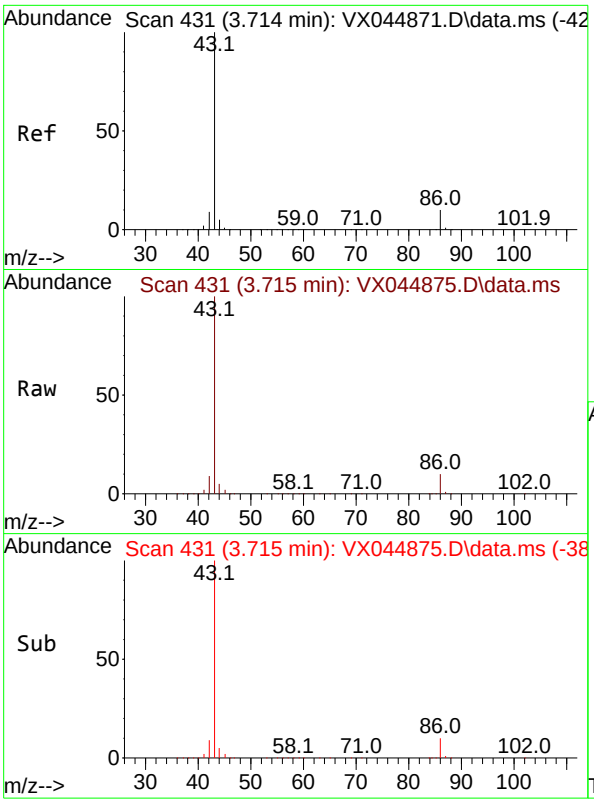


#22
Diisopropyl ether
Concen: 50.138 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 45 Resp: 300357

Ion	Ratio	Lower	Upper
45	100		
43	74.3	58.0	87.0
87	26.4	20.7	31.1
59	11.6	9.2	13.8





#23
Vinyl Acetate
Concen: 257.465 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 125743

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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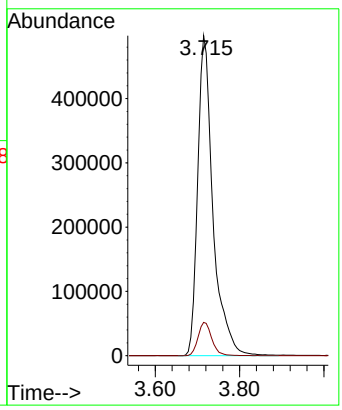
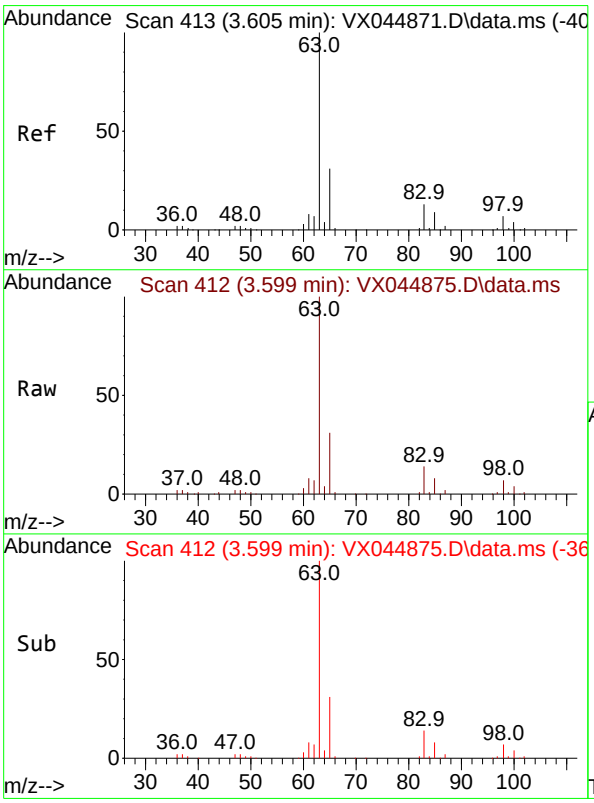
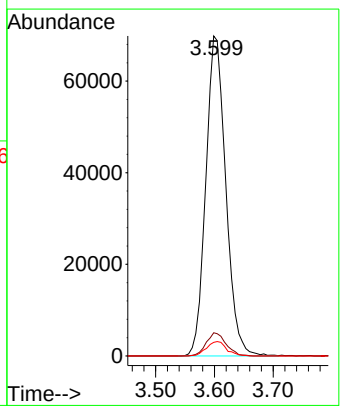


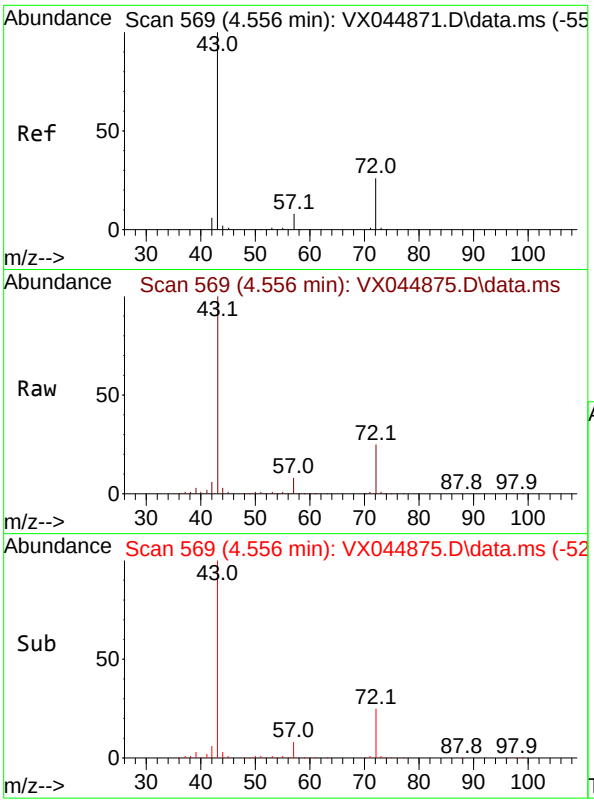


#24
1,1-Dichloroethane
Concen: 49.329 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 165351

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.3	9.9
100	4.2	2.1	6.5





#25
2-Butanone
Concen: 258.175 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 33535

Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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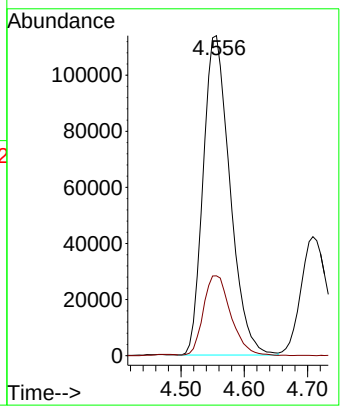
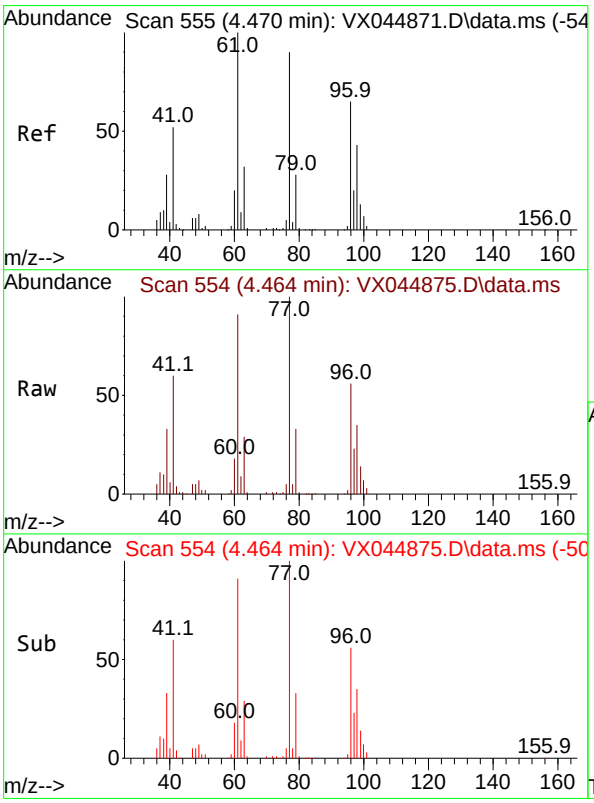
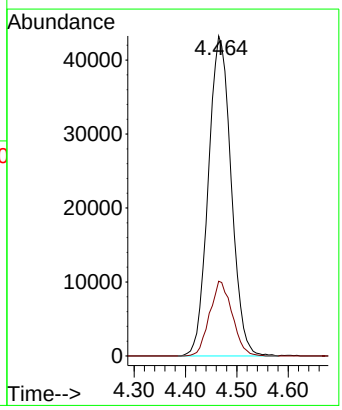


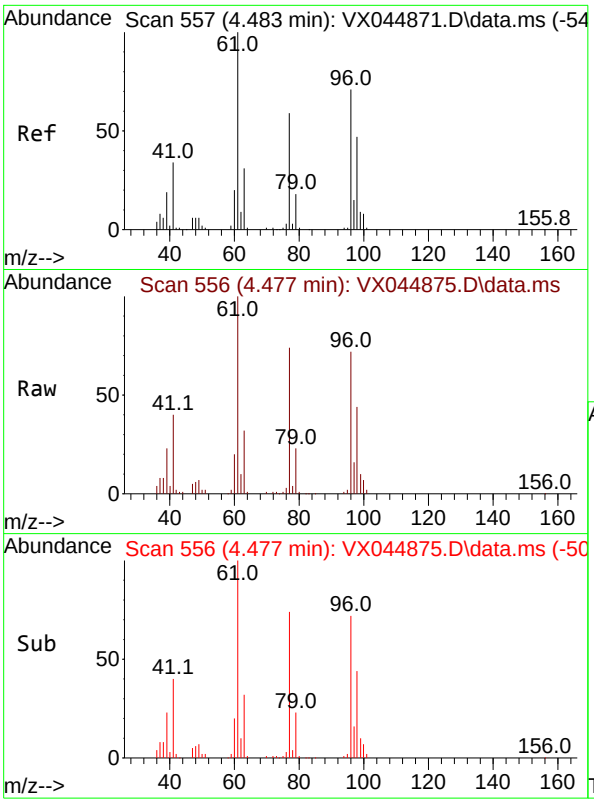


#26
2,2-Dichloropropane
Concen: 50.285 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 77 Resp: 133670

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.8	35.3

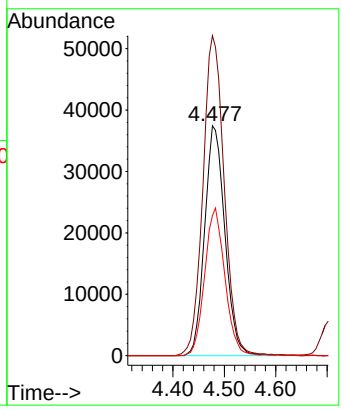




#27
cis-1,2-Dichloroethene
Concen: 49.493 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 96 Resp: 10251

Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	294.0
98	63.9	0.0	131.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
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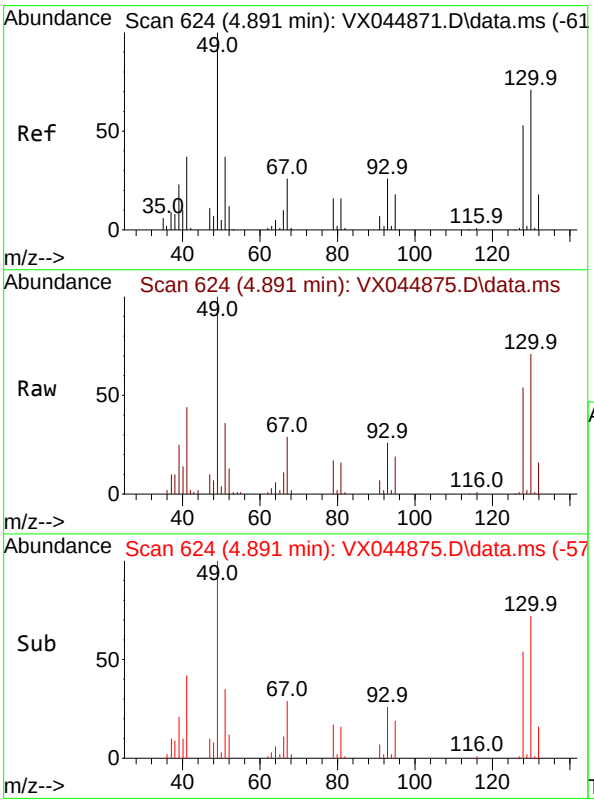
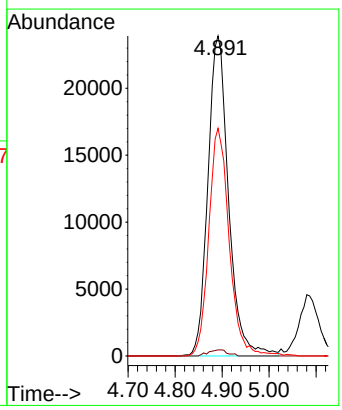
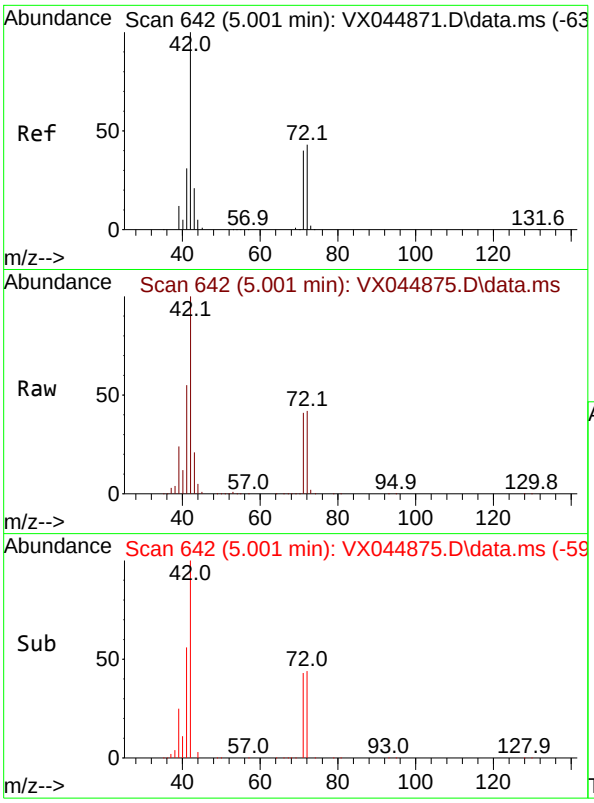


#28
Bromochloromethane
Concen: 45.250 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 49 Resp: 72893

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	70.3	56.7	85.1

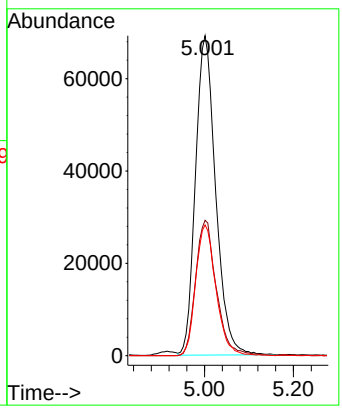




#29
Tetrahydrofuran
Concen: 253.318 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 42 Resp: 21849

Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.0	52.4
71	41.1	32.6	48.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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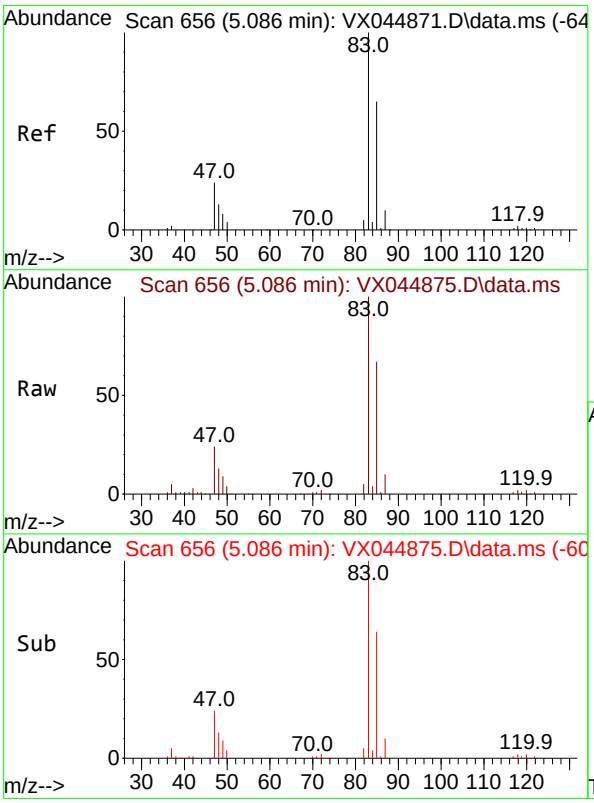
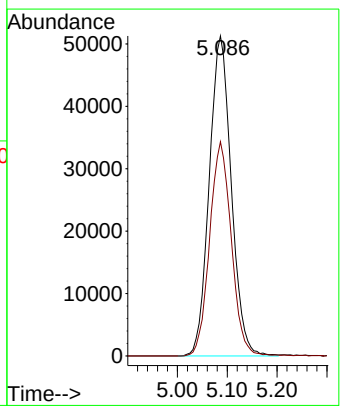
Supervised By :Mahesh Dadoda 02/11/2025

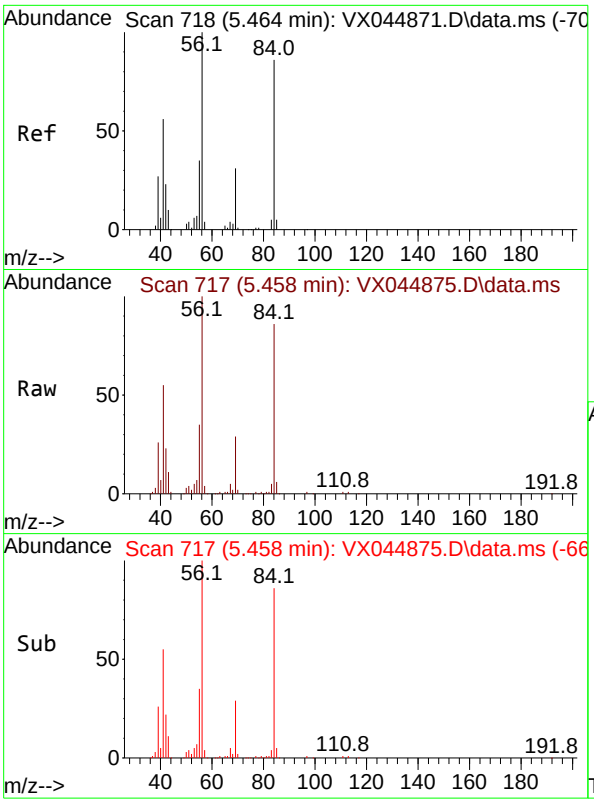


#30
Chloroform
Concen: 48.393 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 83 Resp: 157312

Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.1	78.1

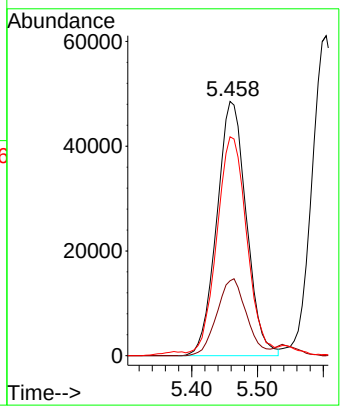




#31
Cyclohexane
Concen: 49.211 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 56 Resp: 15207

Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.4	36.6
84	84.6	69.0	103.6



Instrument :
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ClientSampleId :
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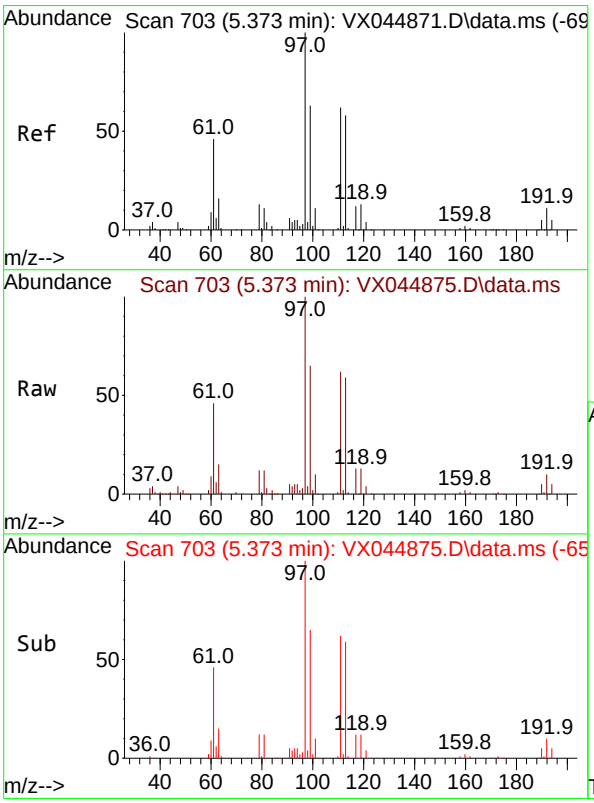
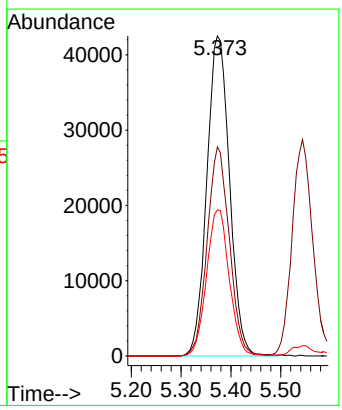
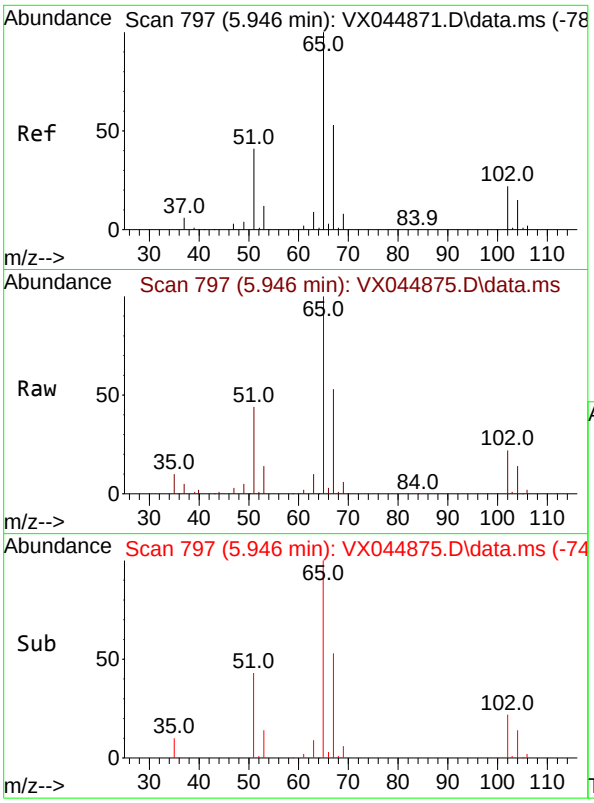


#32
1,1,1-Trichloroethane
Concen: 48.825 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 97 Resp: 134626

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.7	36.6	55.0

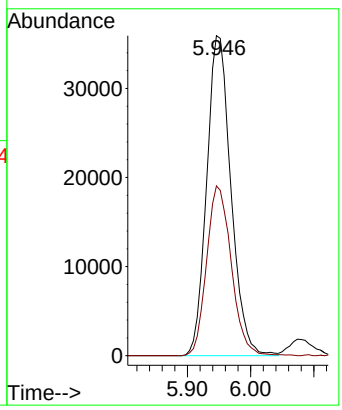




#33
1,2-Dichloroethane-d4
Concen: 48.061 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 65 Resp: 9563

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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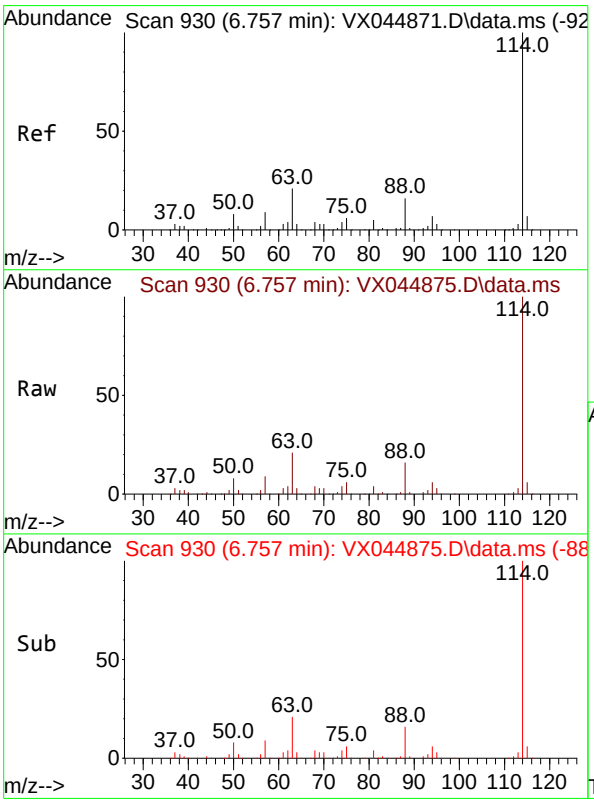
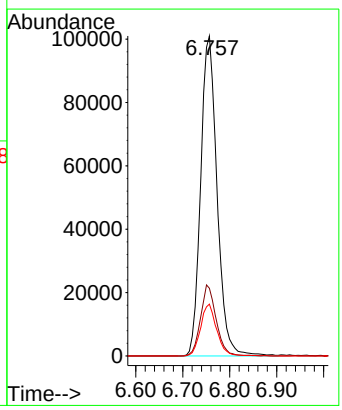
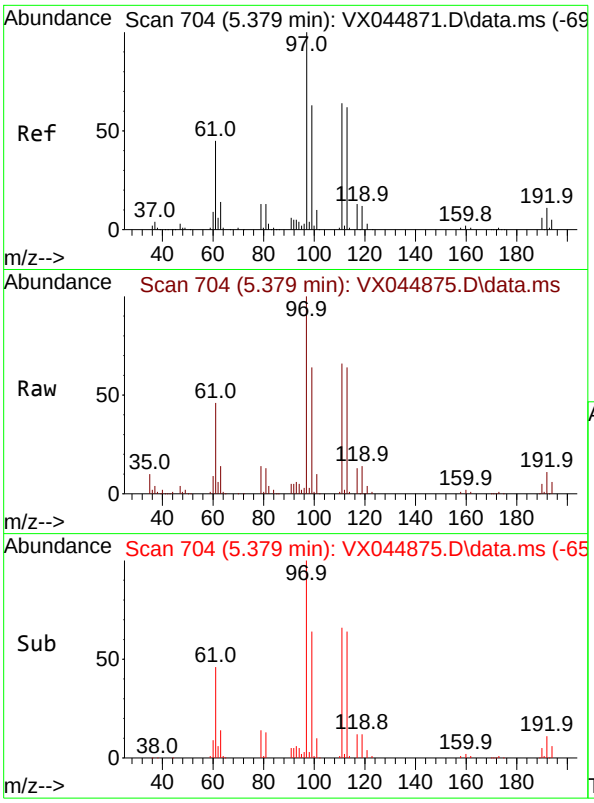


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:114 Resp: 245098

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	16.2	0.0	31.4

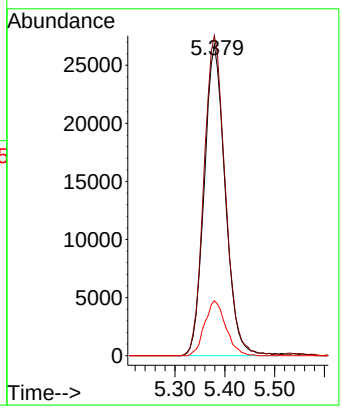




#35
Dibromofluoromethane
Concen: 49.173 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:113 Resp: 7836

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	17.9	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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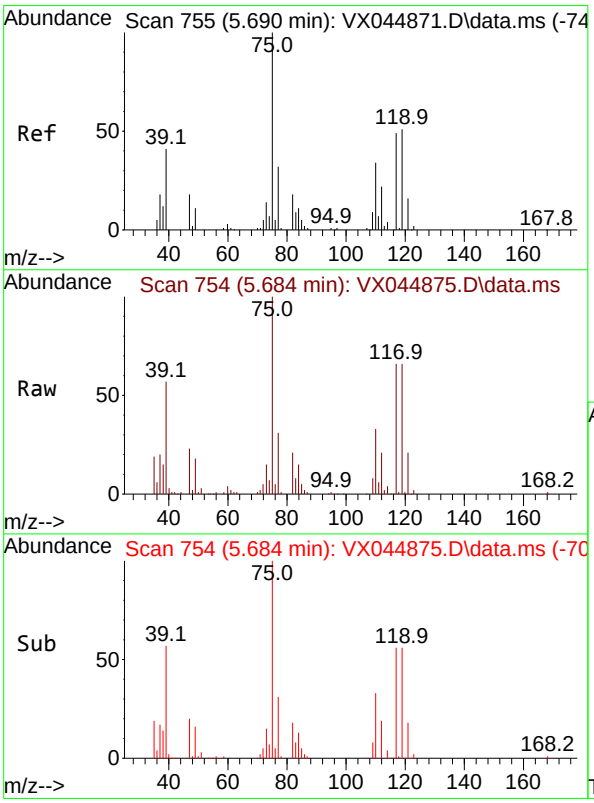
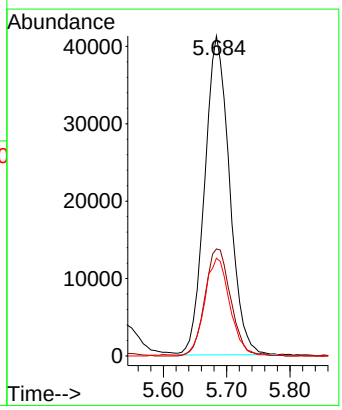
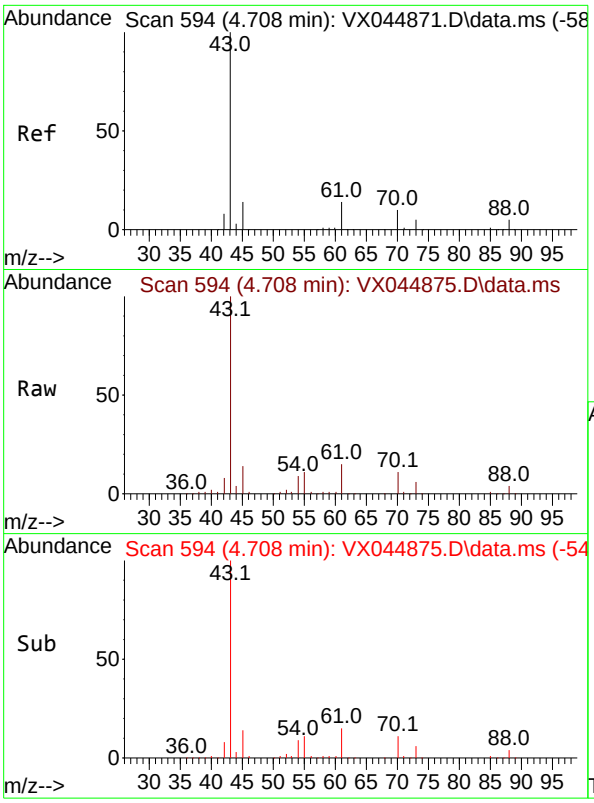


#36
1,1-Dichloropropene
Concen: 48.702 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 111968

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.2	51.6
77	31.6	24.6	37.0

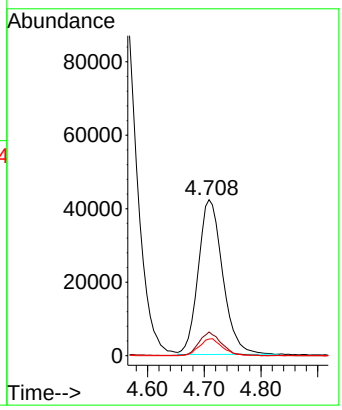




#37
Ethyl Acetate
Concen: 49.300 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 12607

Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.4	8.2	12.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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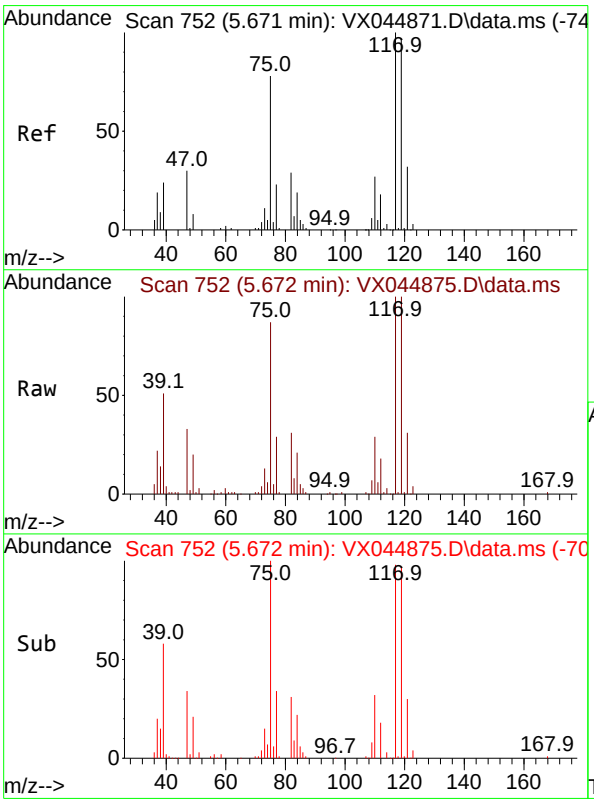
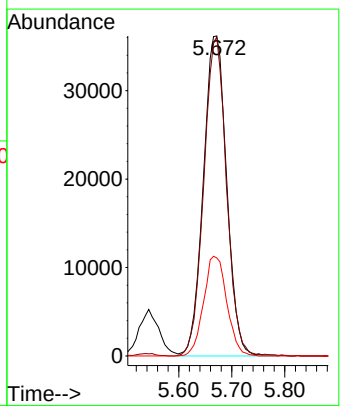
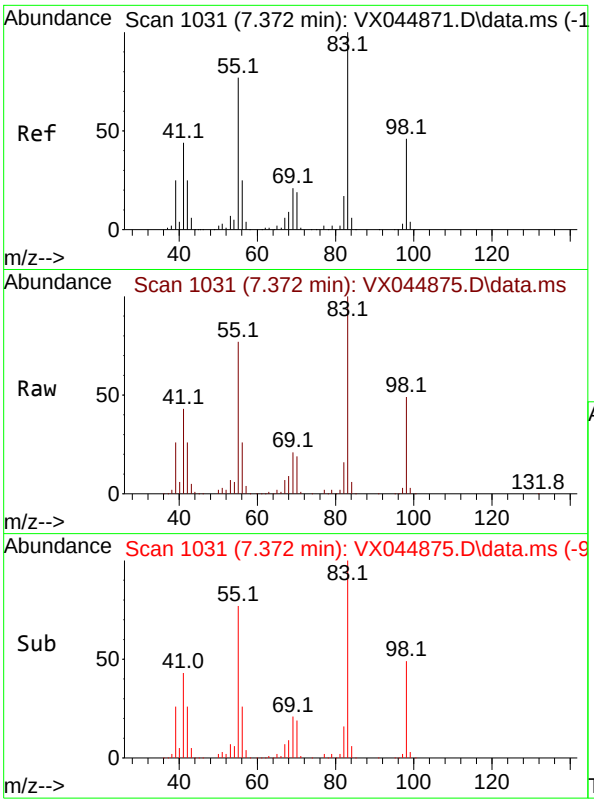


#38
Carbon Tetrachloride
Concen: 49.083 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:117 Resp: 110581

Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.5	116.3
121	30.6	25.6	38.4

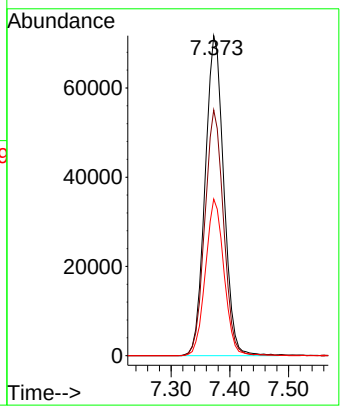




#39
Methylcyclohexane
Concen: 53.254 ug/l
RT: 7.372 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 83 Resp: 15828

Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.3	91.9
98	49.0	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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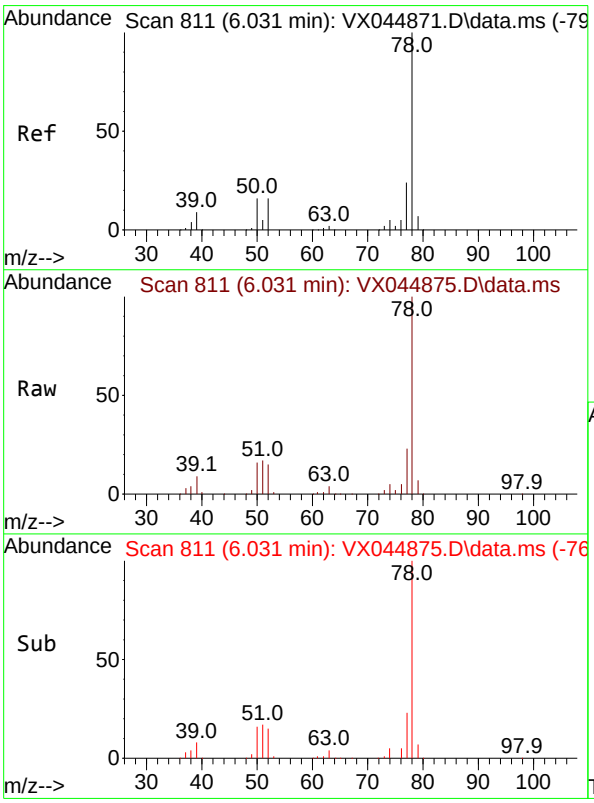
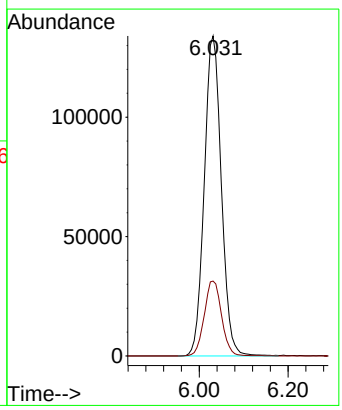
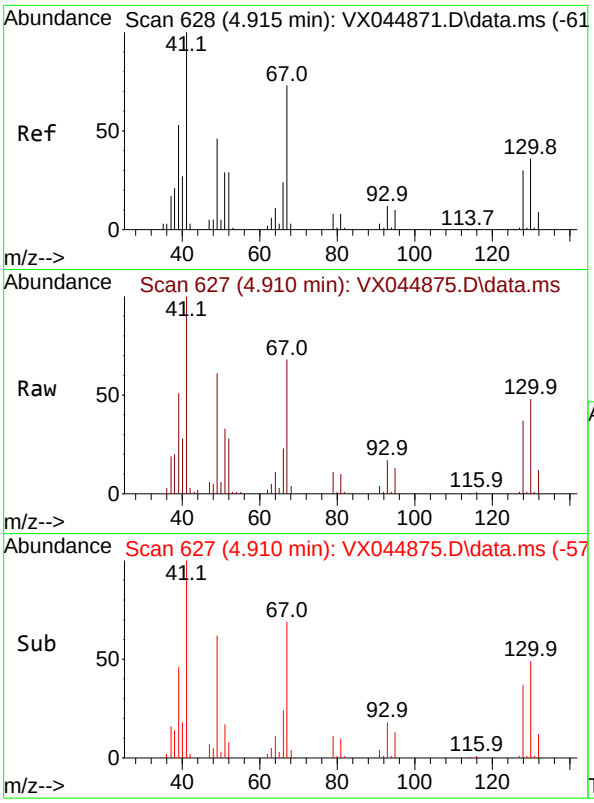


#40
Benzene
Concen: 49.919 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 78 Resp: 358365

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6

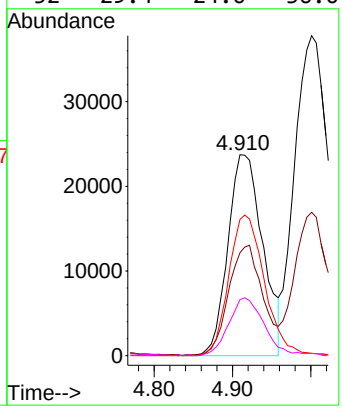




#41
Methacrylonitrile
Concen: 53.741 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 7355

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.1	64.7
67	71.9	57.0	85.6
52	29.4	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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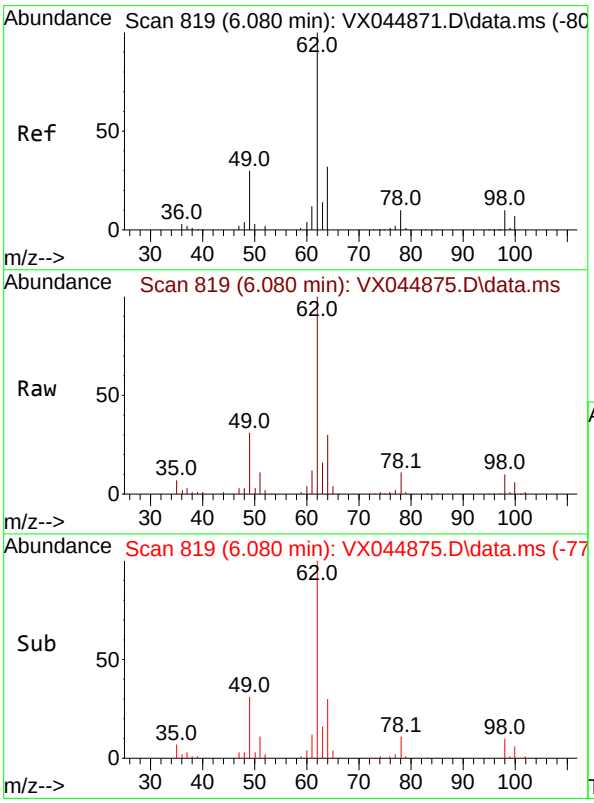
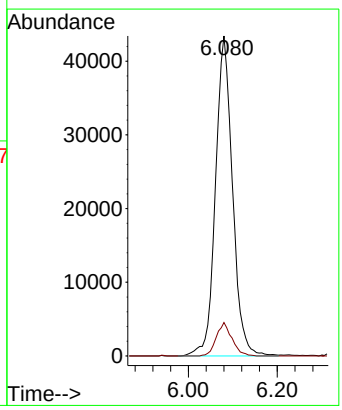
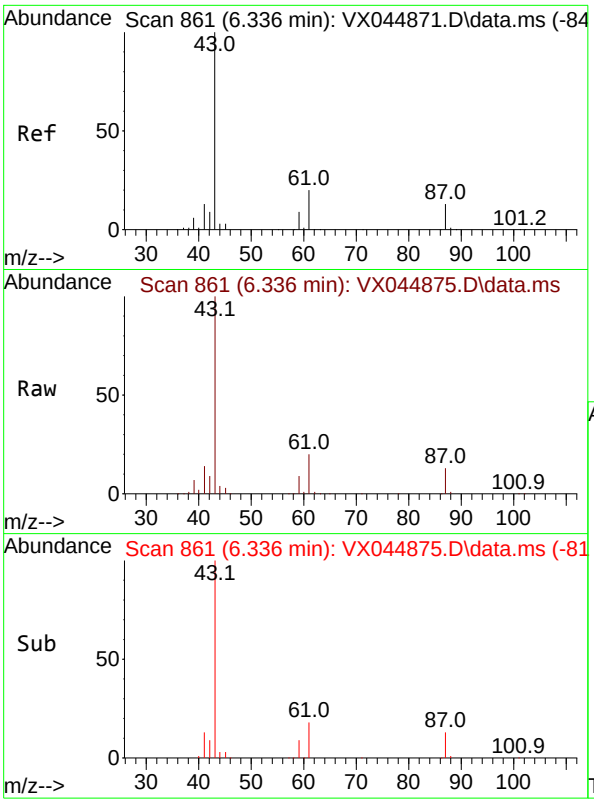


#42
1,2-Dichloroethane
Concen: 50.410 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 115339

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4

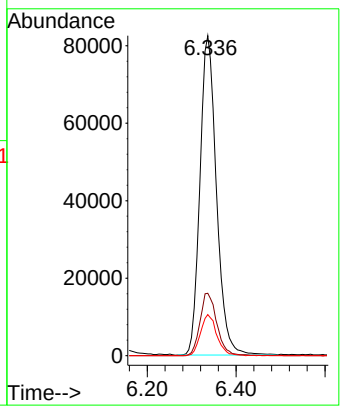




#43
Isopropyl Acetate
Concen: 51.798 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 21390

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.8
87	12.6	10.0	15.0



Instrument :
MSVOA_X
ClientSampleId :
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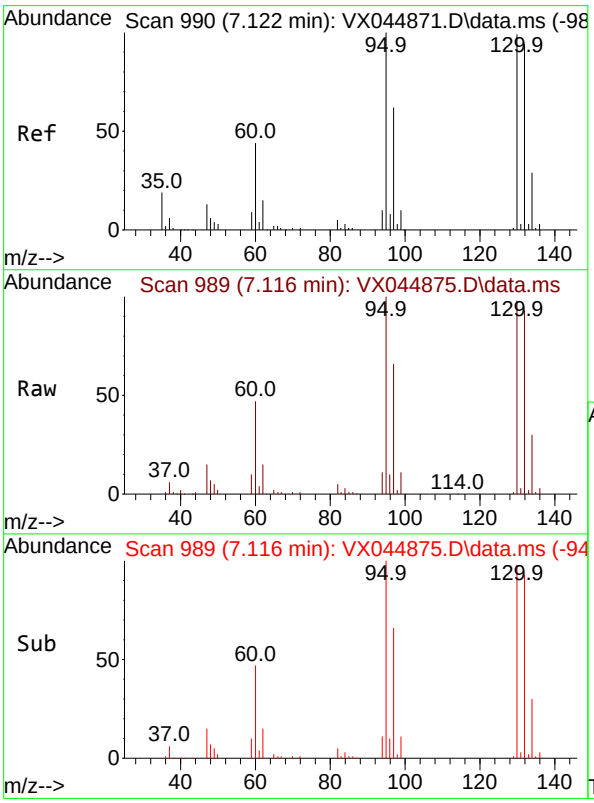
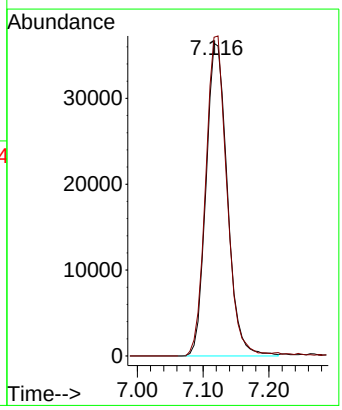
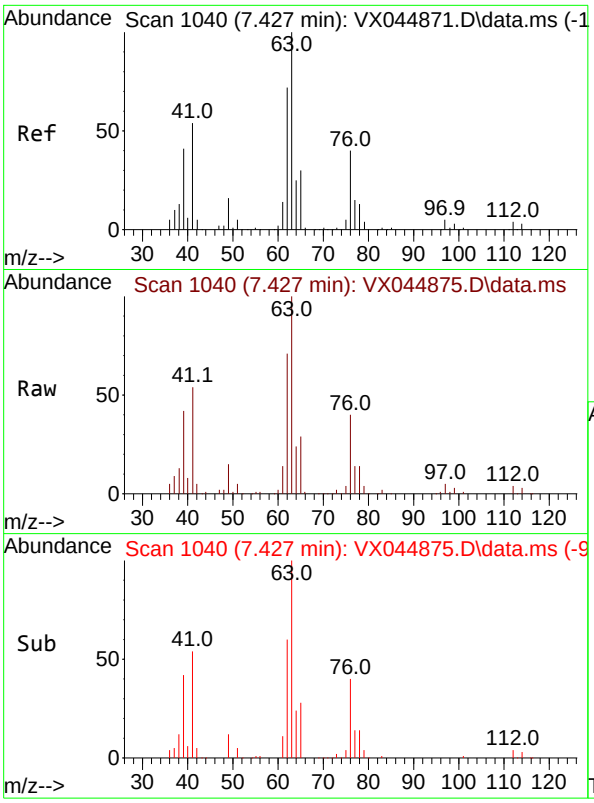


#44
Trichloroethene
Concen: 49.917 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:130 Resp: 81911

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	202.4

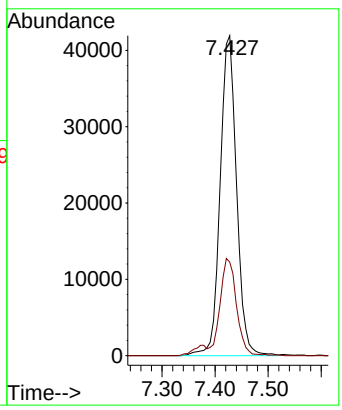




#45
1,2-Dichloropropane
Concen: 50.387 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 8999

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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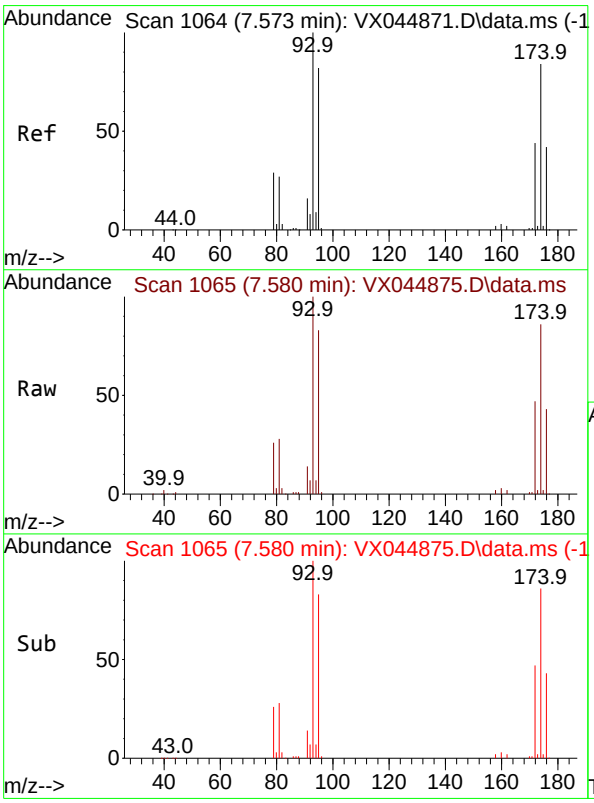
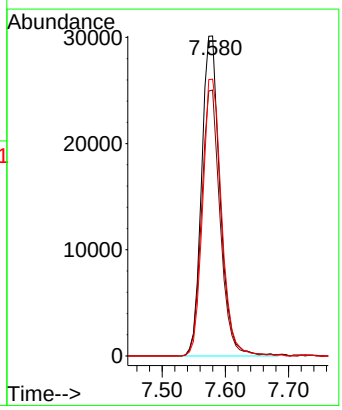
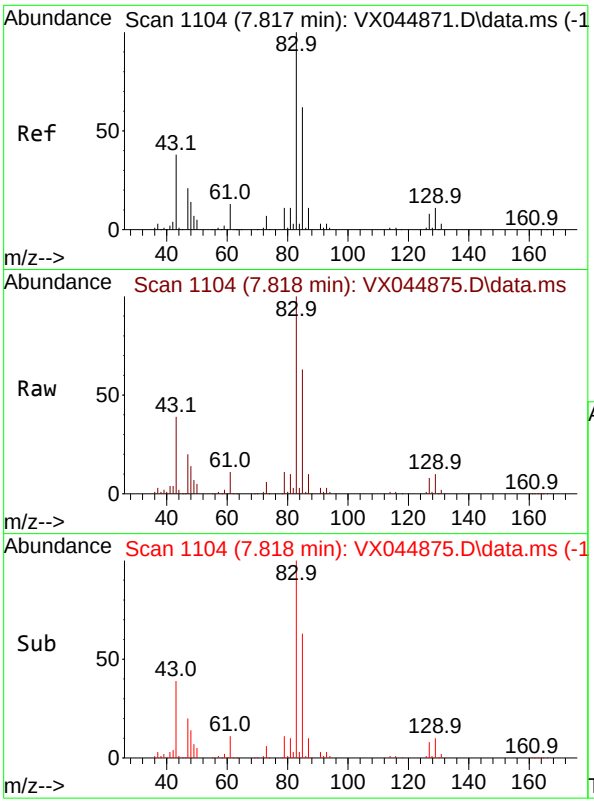


#46
Dibromomethane
Concen: 49.540 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 93 Resp: 61360

Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.2	99.4
174	88.6	69.9	104.9

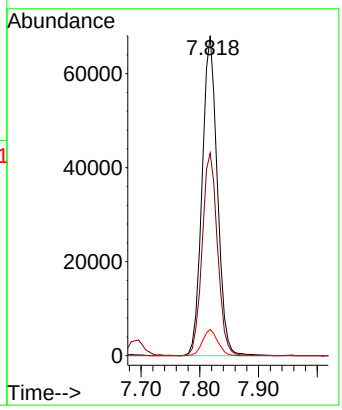




#47
Bromodichloromethane
Concen: 50.980 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 83 Resp: 12226

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.0	75.0
127	8.2	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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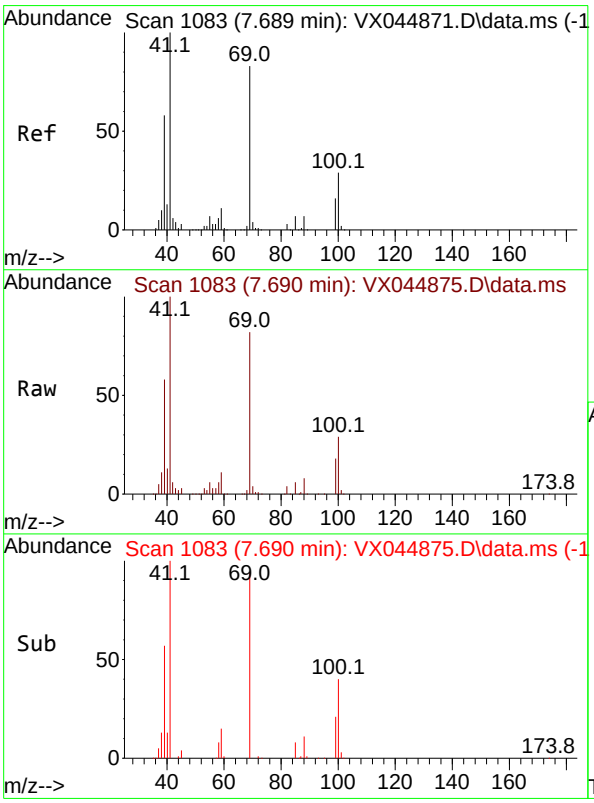
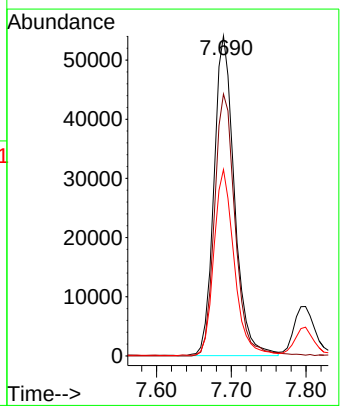
Supervised By :Mahesh Dadoda 02/11/2025

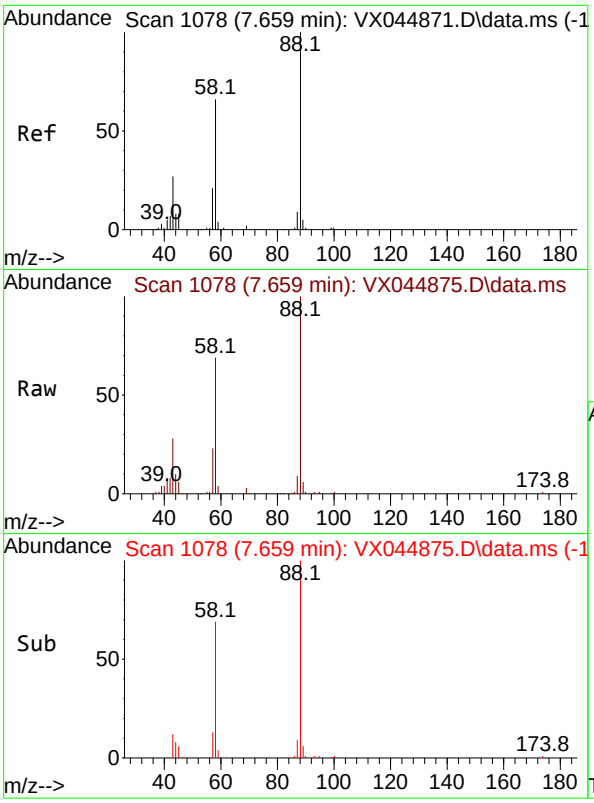


#48
Methyl methacrylate
Concen: 52.848 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 102900

Ion	Ratio	Lower	Upper
41	100		
69	83.2	65.8	98.8
39	57.8	46.4	69.6

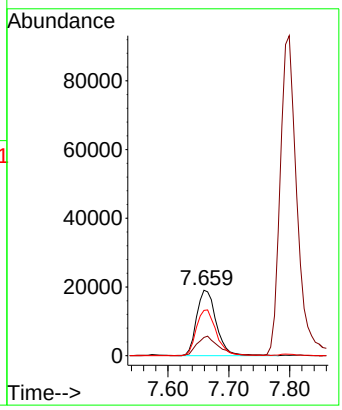




#49
1,4-Dioxane
Concen: 1021.138 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 88 Resp: 4265

Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.6	39.8
58	71.2	55.9	83.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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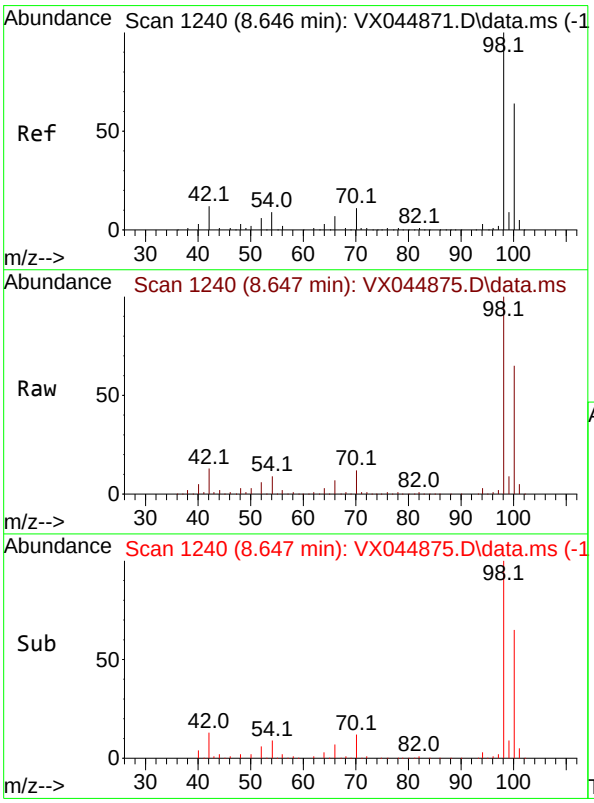
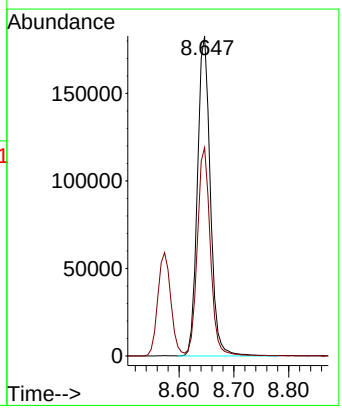
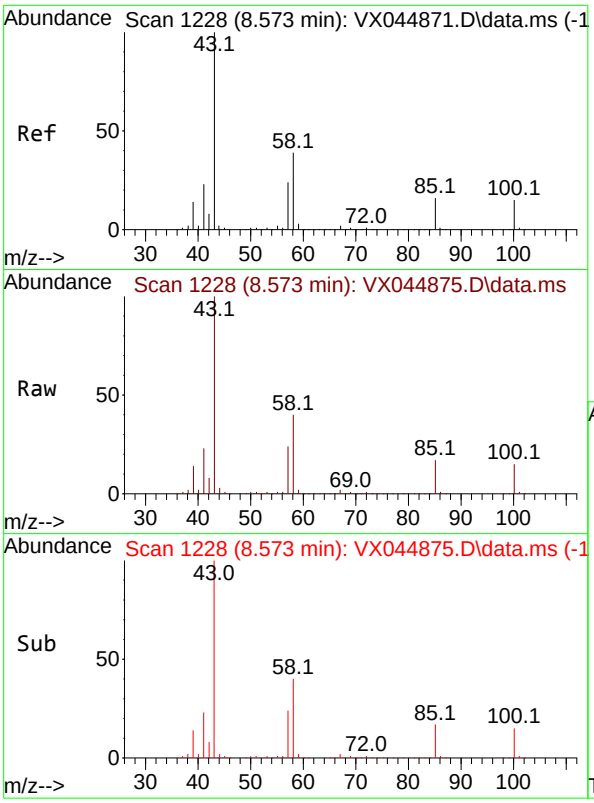


#50
Toluene-d8
Concen: 49.649 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 98 Resp: 299178

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

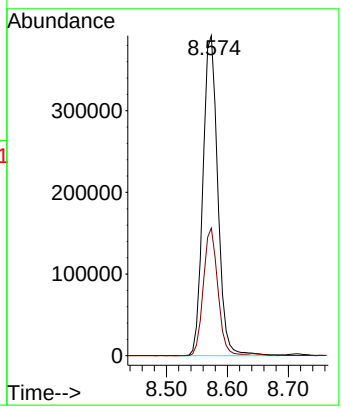




#51
4-Methyl-2-Pentanone
Concen: 265.112 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 66556

Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.8	46.2



Instrument :
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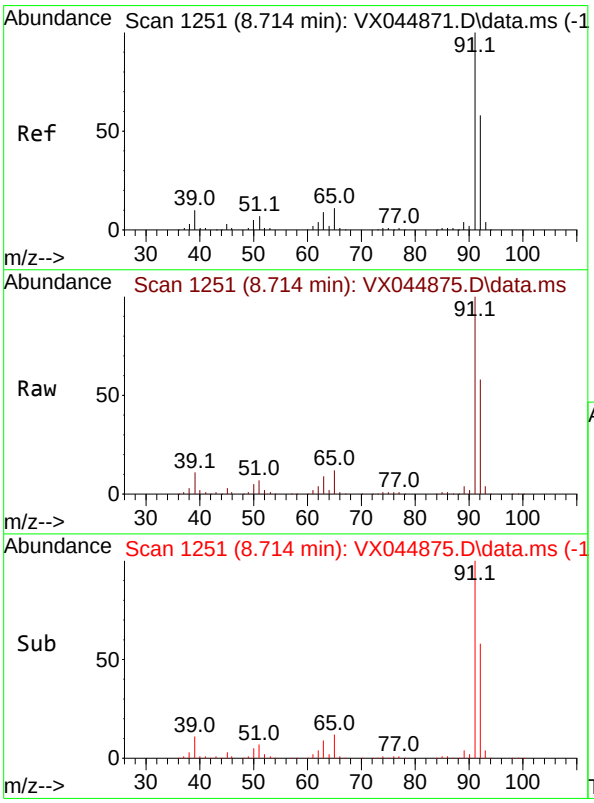
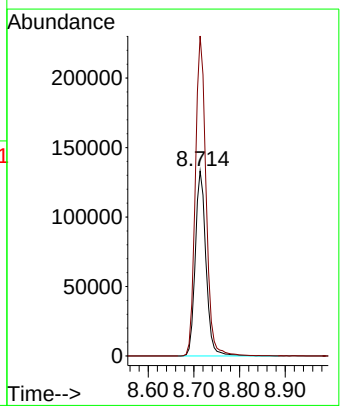
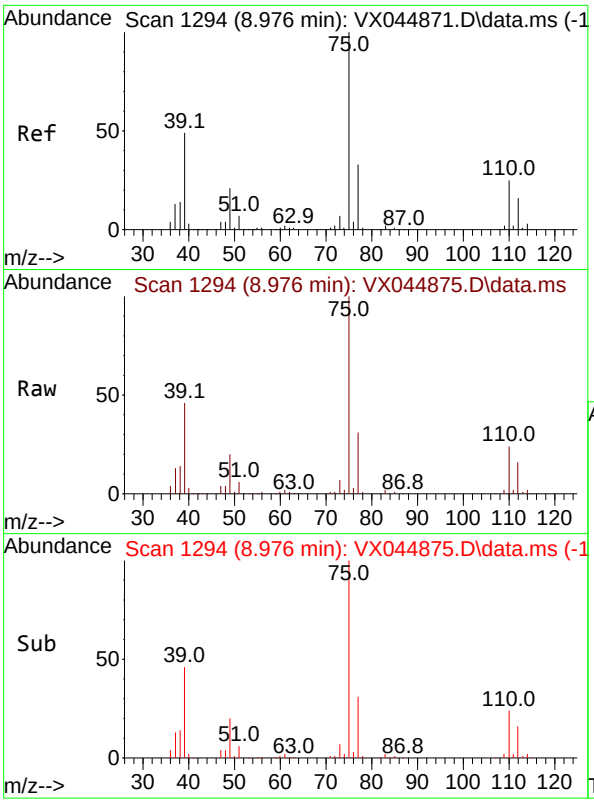


#52
Toluene
Concen: 50.680 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 92 Resp: 216682

Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.4	206.2

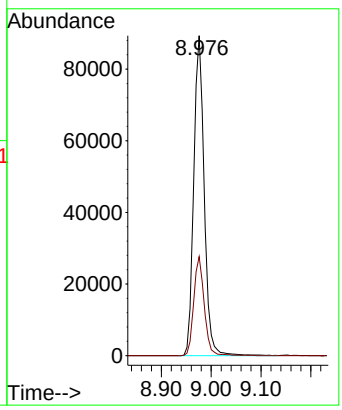




#53
t-1,3-Dichloropropene
Concen: 53.731 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 13040

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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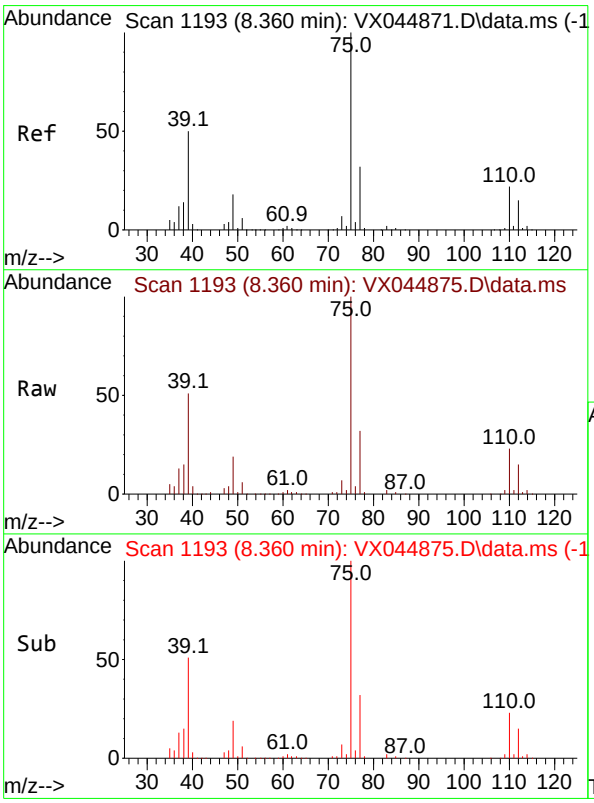
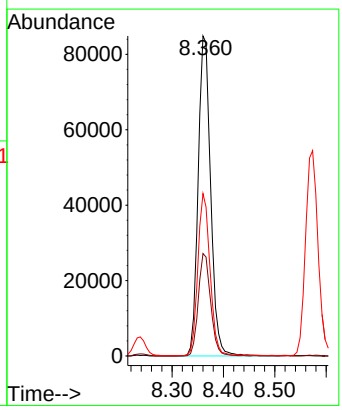
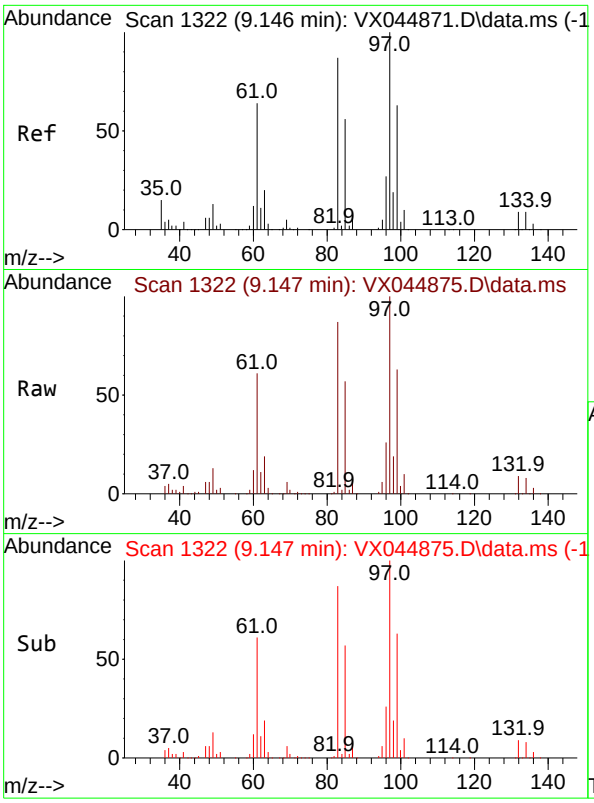


#54
cis-1,3-Dichloropropene
Concen: 52.986 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 143379

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9
39	50.6	40.0	60.0

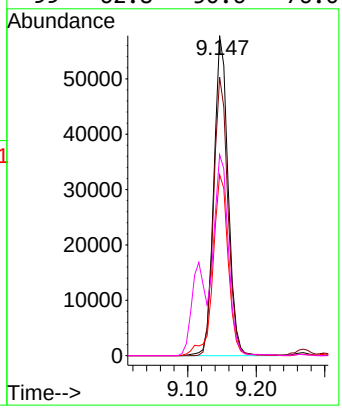




#55
1,1,2-Trichloroethane
Concen: 50.811 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 97 Resp: 8351

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.8	104.6
85	56.6	44.8	67.2
99	62.8	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
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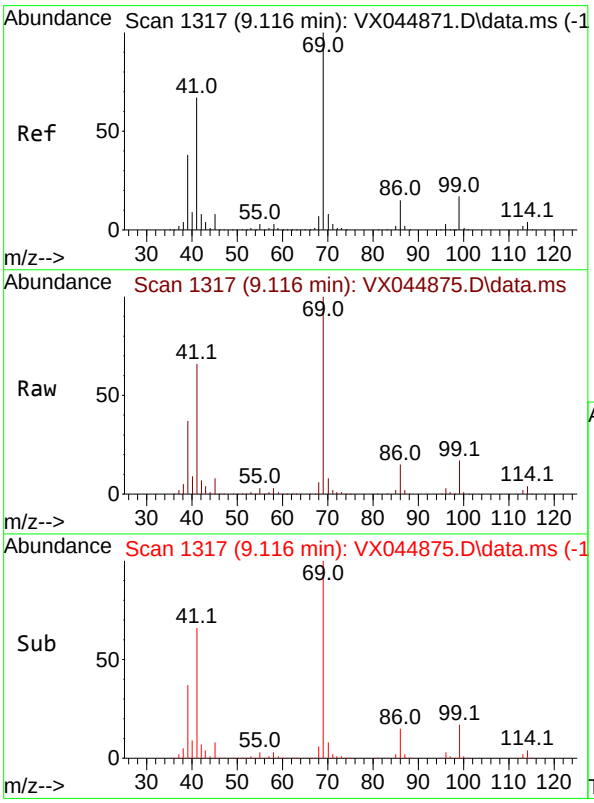
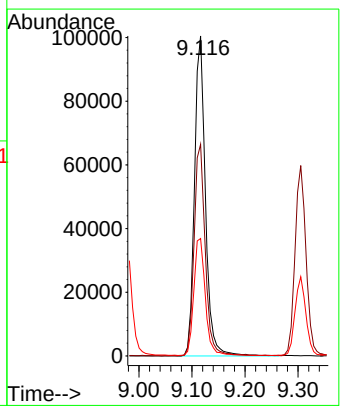
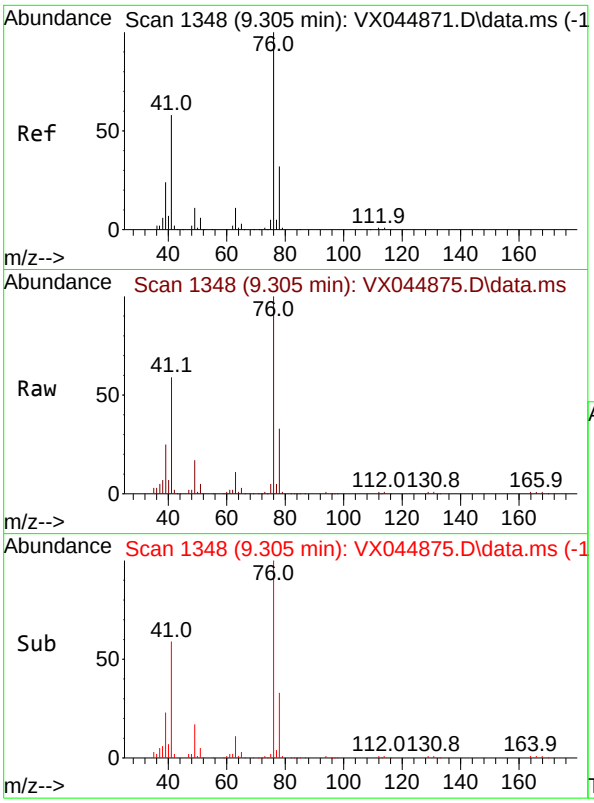


#56
Ethyl methacrylate
Concen: 54.068 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 69 Resp: 143524

Ion	Ratio	Lower	Upper
69	100		
41	67.8	55.2	82.8
39	38.4	30.8	46.2

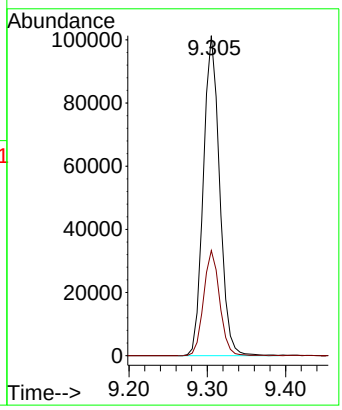




#57
1,3-Dichloropropane
Concen: 50.852 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 76 Resp: 14623

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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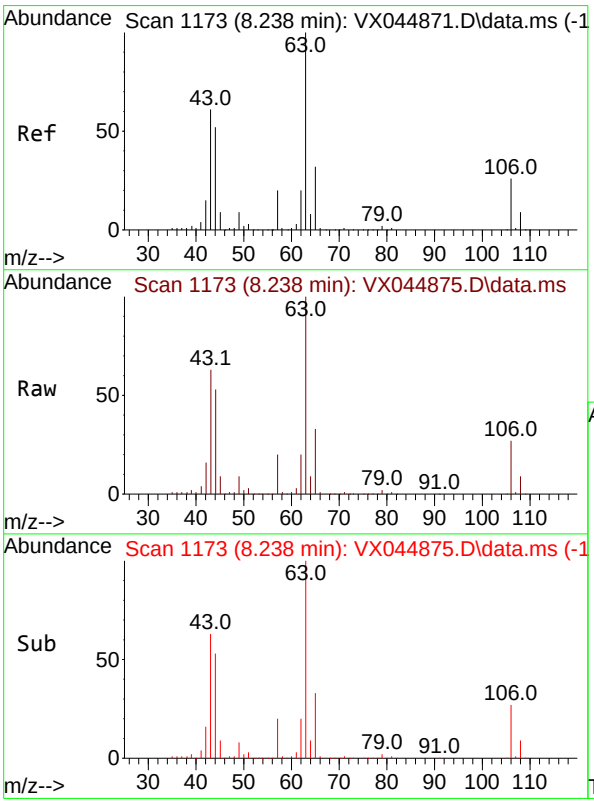
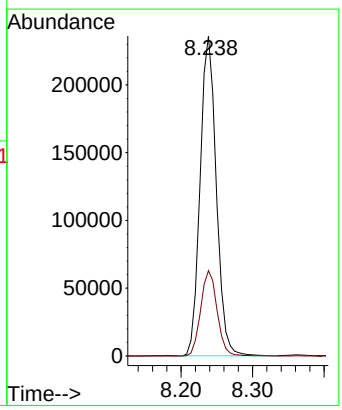
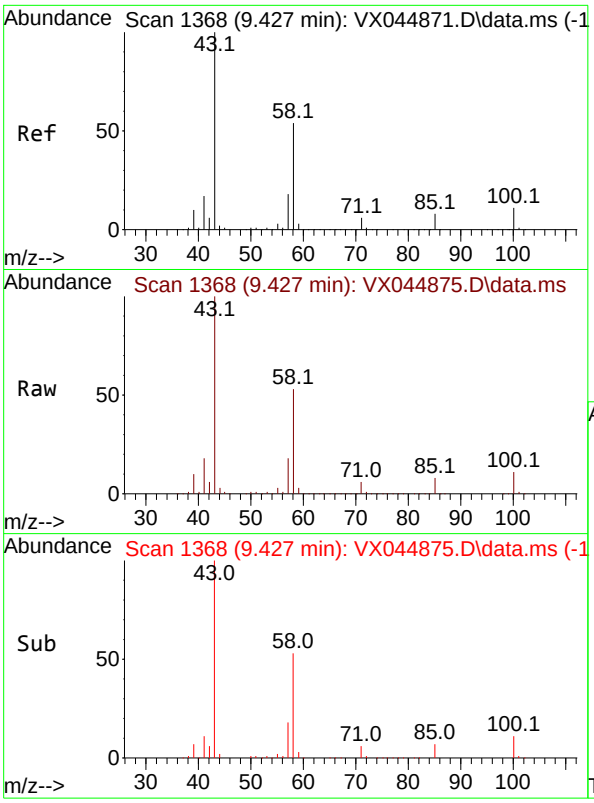


#58
2-Chloroethyl Vinyl ether
Concen: 284.352 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 370622

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.3	31.9





#59
2-Hexanone
Concen: 269.951 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 48829

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.5	82.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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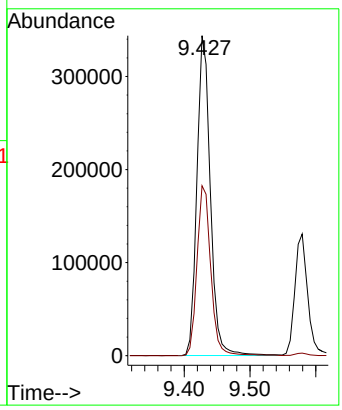
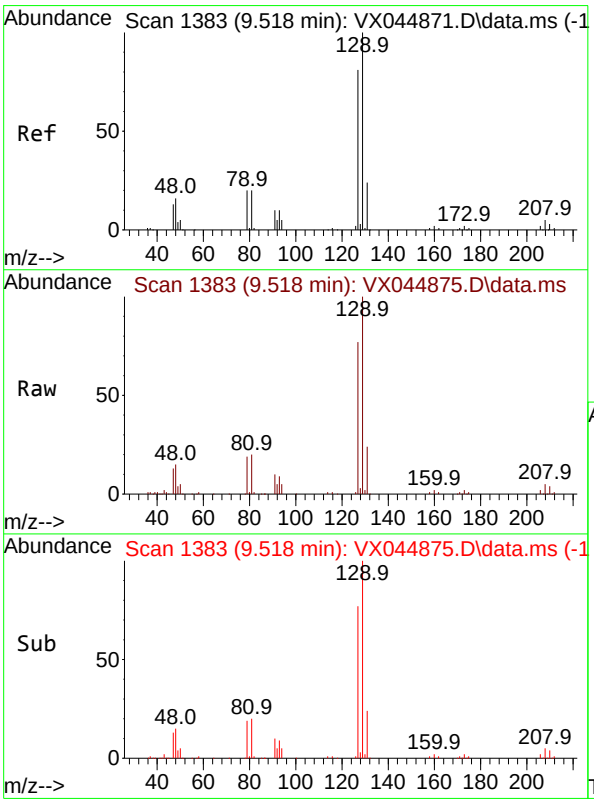
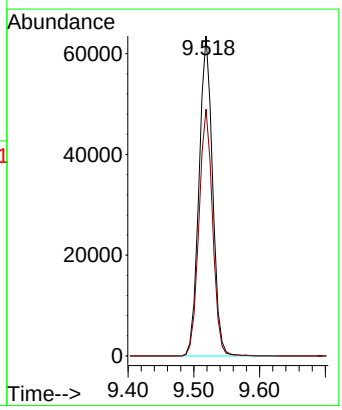


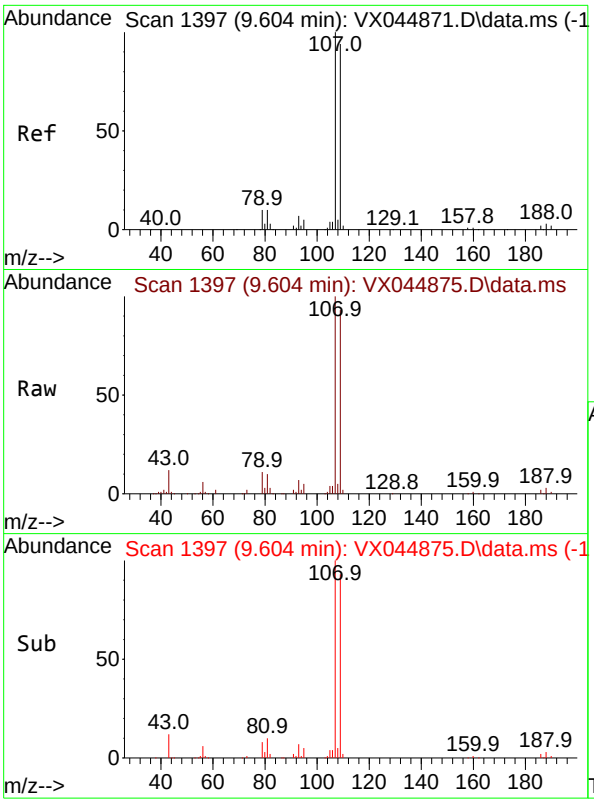


#60
Dibromochloromethane
Concen: 51.673 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:129 Resp: 90826

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.3

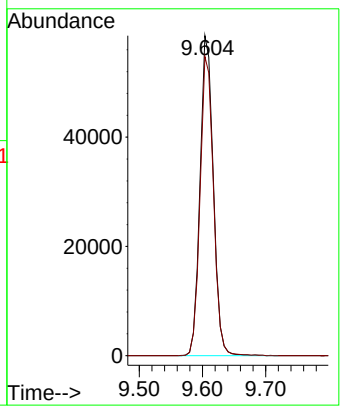




#61
1,2-Dibromoethane
Concen: 51.436 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:107 Resp: 8568

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
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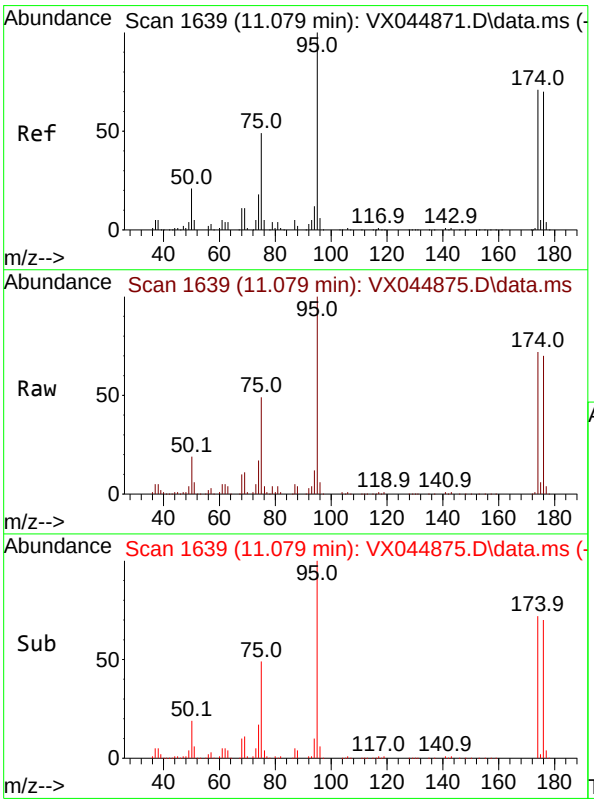
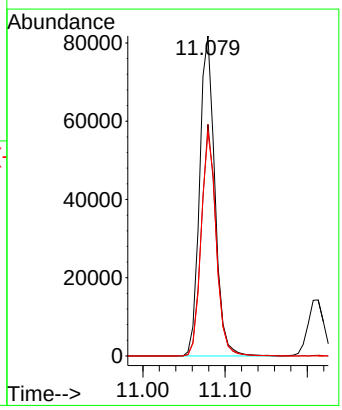
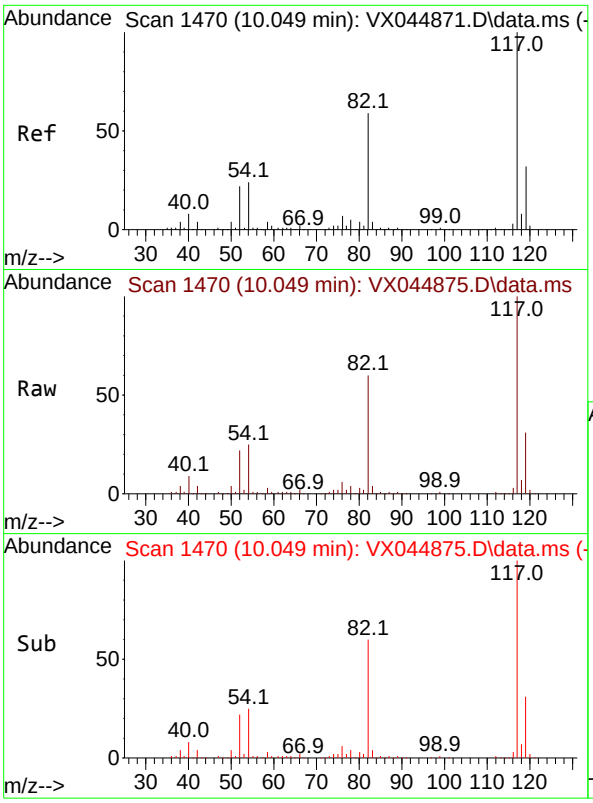


#62
4-Bromofluorobenzene
Concen: 51.786 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 95 Resp: 105201

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	142.6
176	68.9	0.0	141.6

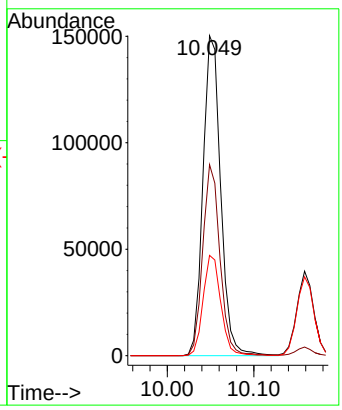




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:117 Resp: 21324

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.5	71.3
119	31.3	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
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Manual Integrations APPROVED

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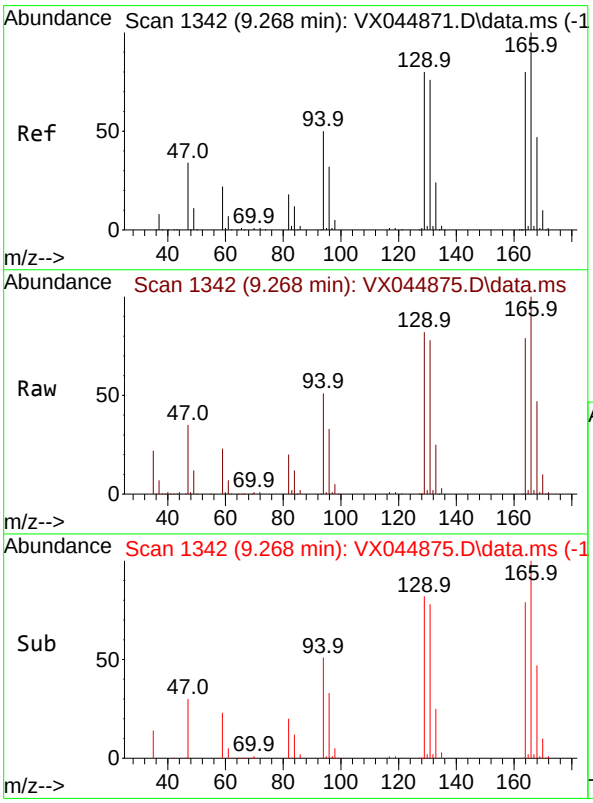
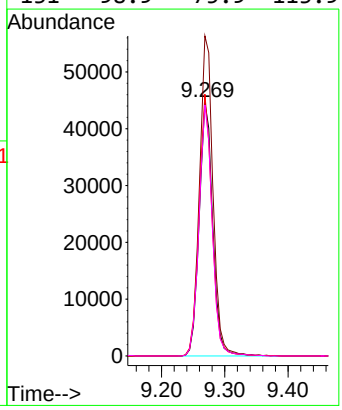
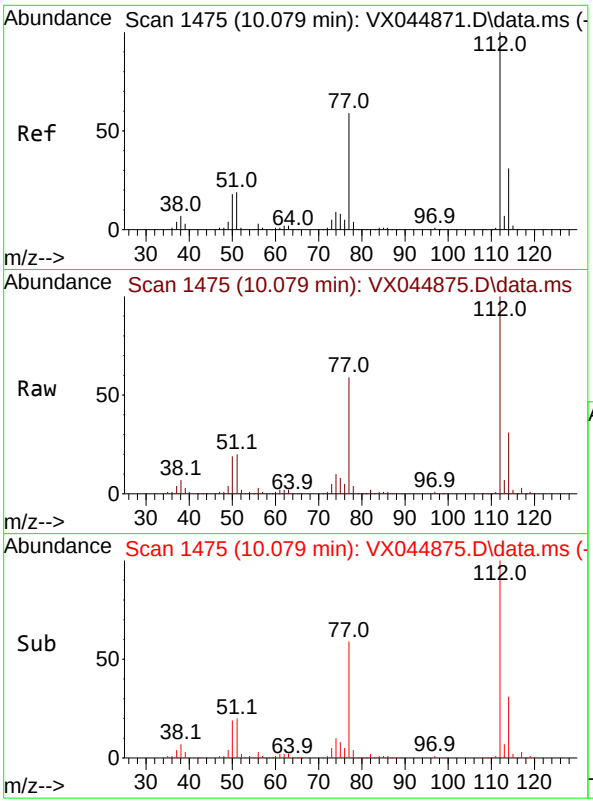


#64
Tetrachloroethene
Concen: 49.424 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:164 Resp: 66468

Ion	Ratio	Lower	Upper
164	100		
166	126.1	100.4	150.6
129	103.1	79.9	119.9
131	98.9	75.9	113.9

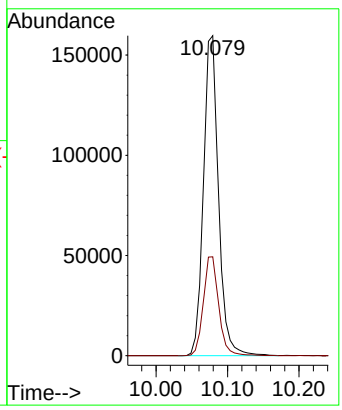




#65
Chlorobenzene
Concen: 50.952 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:112 Resp: 23337

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6



Instrument :
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ClientSampleId :
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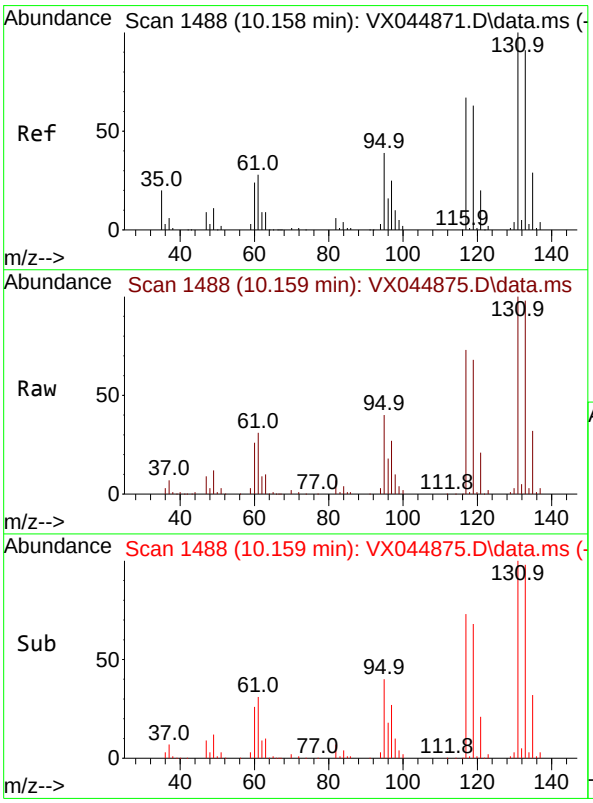
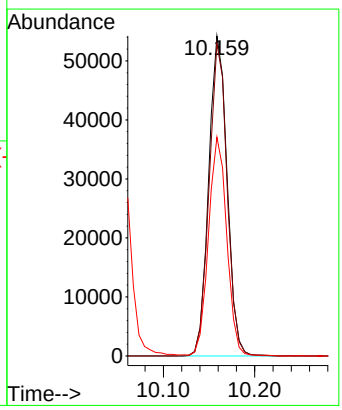
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

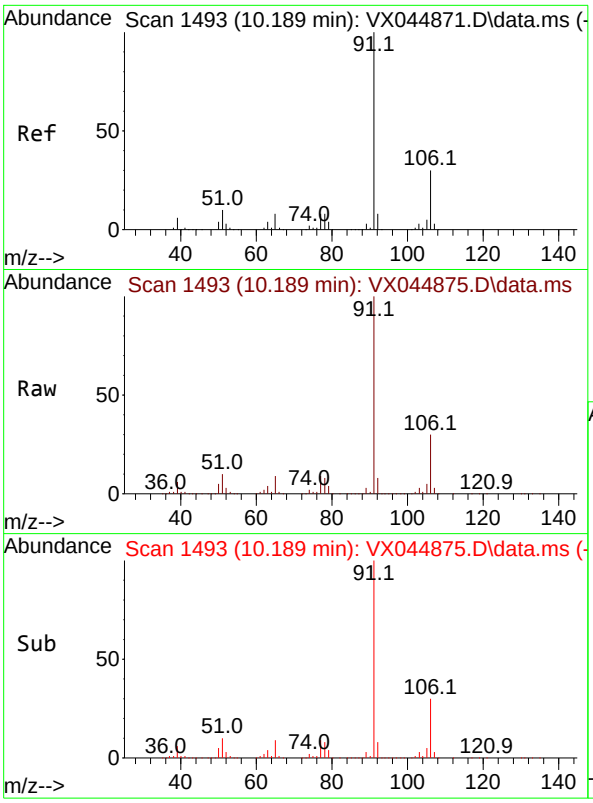


#66
1,1,1,2-Tetrachloroethane
Concen: 51.205 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:131 Resp: 75488

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.1	141.3
119	68.2	33.6	100.6

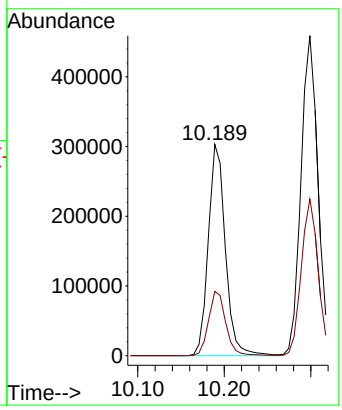




#67
Ethyl Benzene
Concen: 51.415 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 41557

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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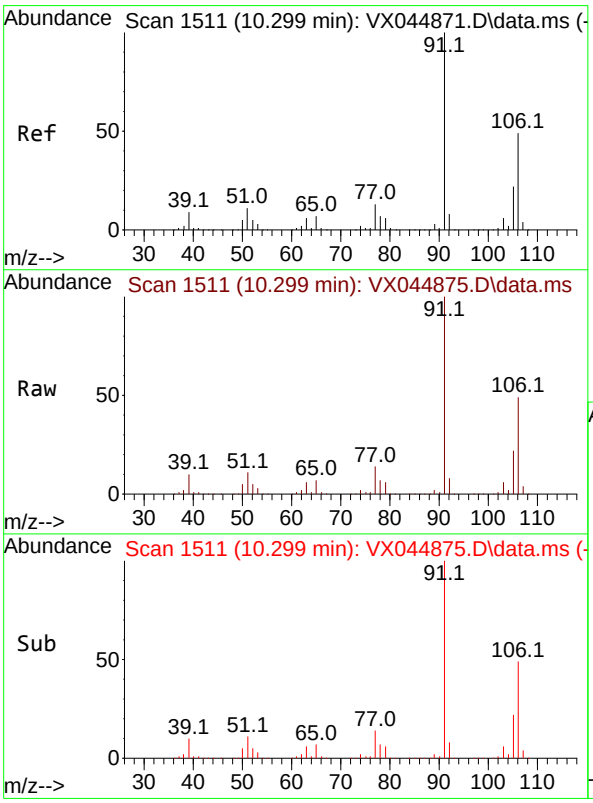
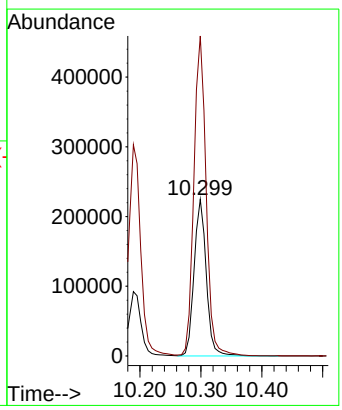
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

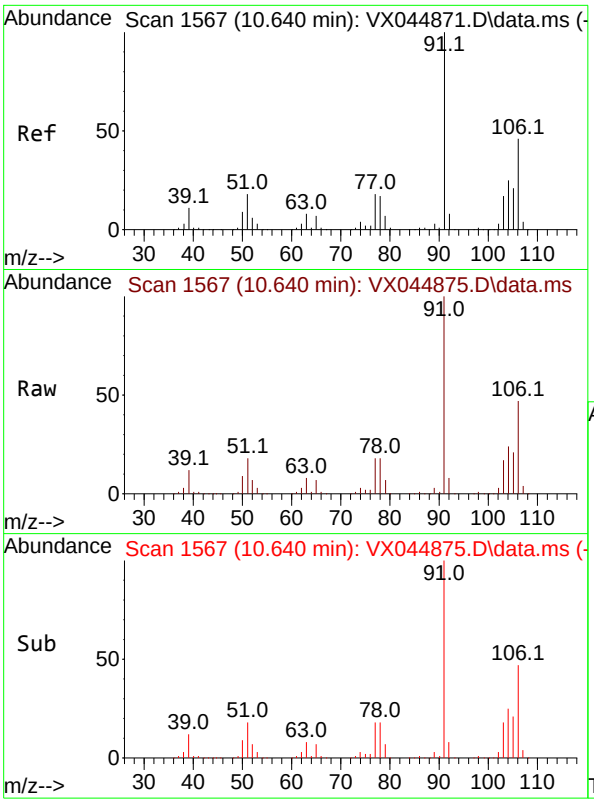


#68
m/p-Xylenes
Concen: 104.282 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:106 Resp: 310925

Ion	Ratio	Lower	Upper
106	100		
91	205.2	164.3	246.5

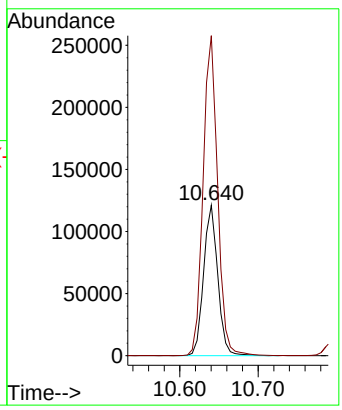




#69
o-Xylene
Concen: 50.804 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:106 Resp: 15199

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.5	325.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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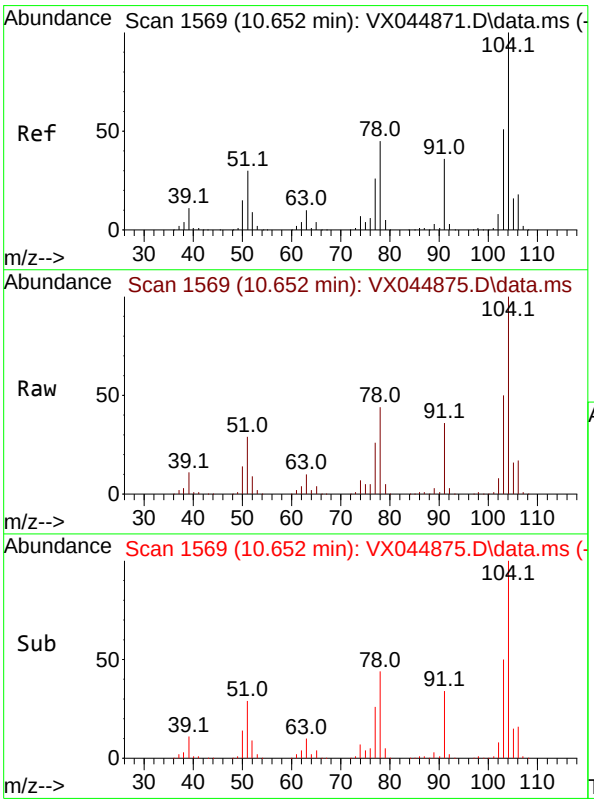
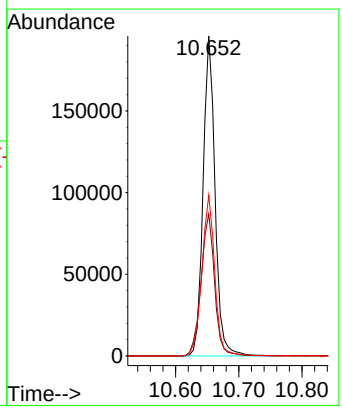
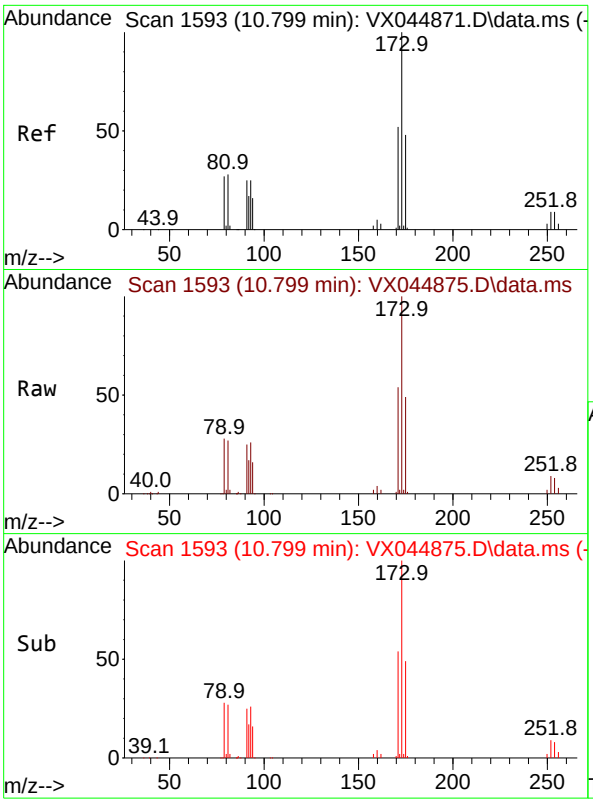


#70
Styrene
Concen: 53.521 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:104 Resp: 257972

Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.5	60.7
103	54.5	43.6	65.4

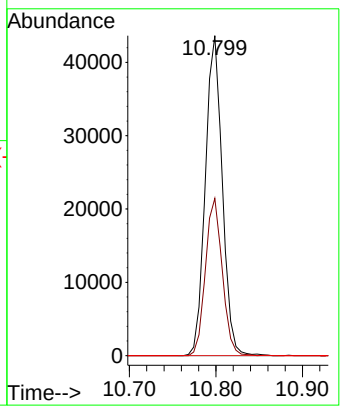




#71
Bromoform
Concen: 53.997 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:173 Resp: 5940

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.0	0.0	0.0



Instrument :
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ClientSampleId :
ICVVX021025

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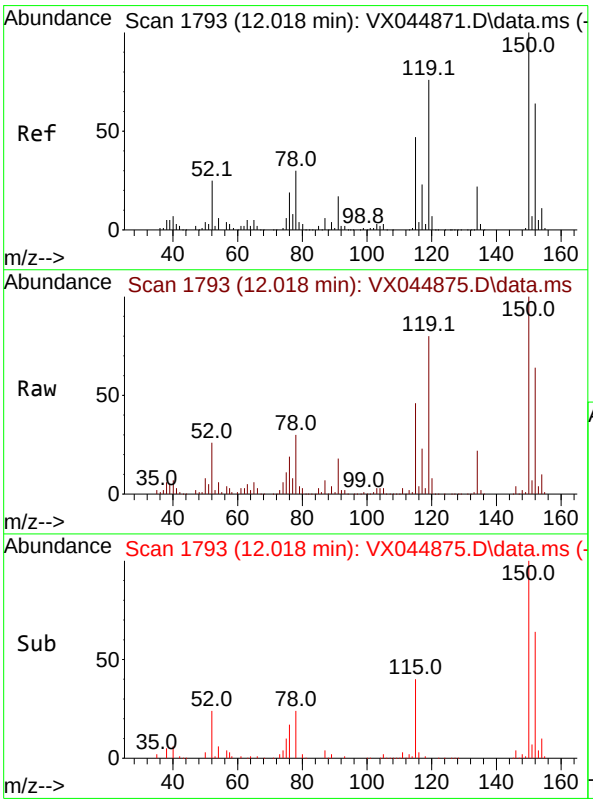
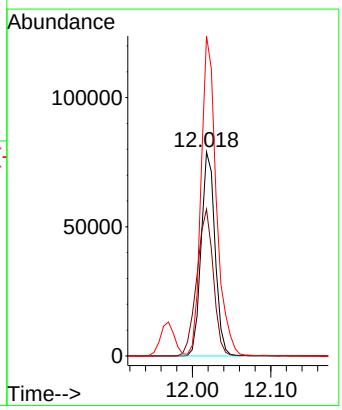
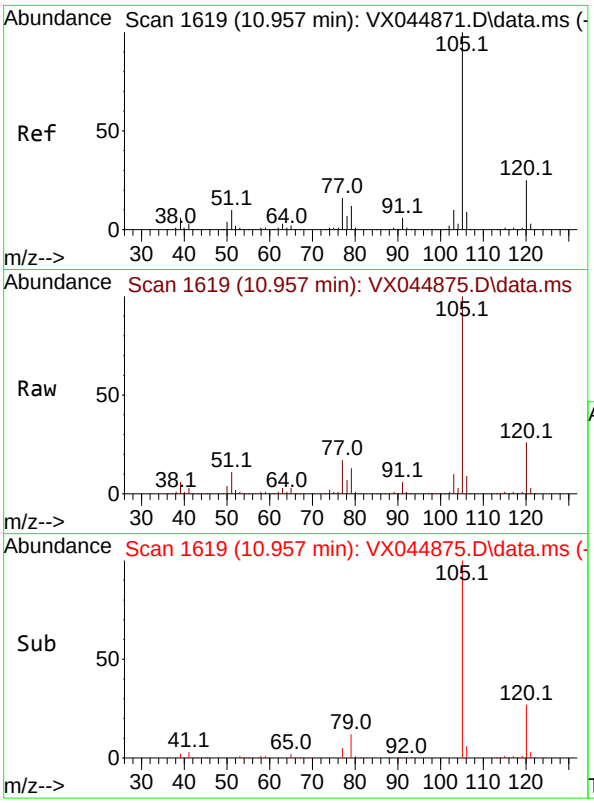


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:152 Resp: 97087

Ion	Ratio	Lower	Upper
152	100		
115	85.5	43.4	130.1
150	171.8	0.0	350.4

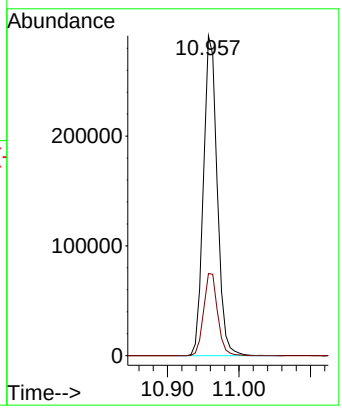




#73
Isopropylbenzene
Concen: 49.921 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 39024

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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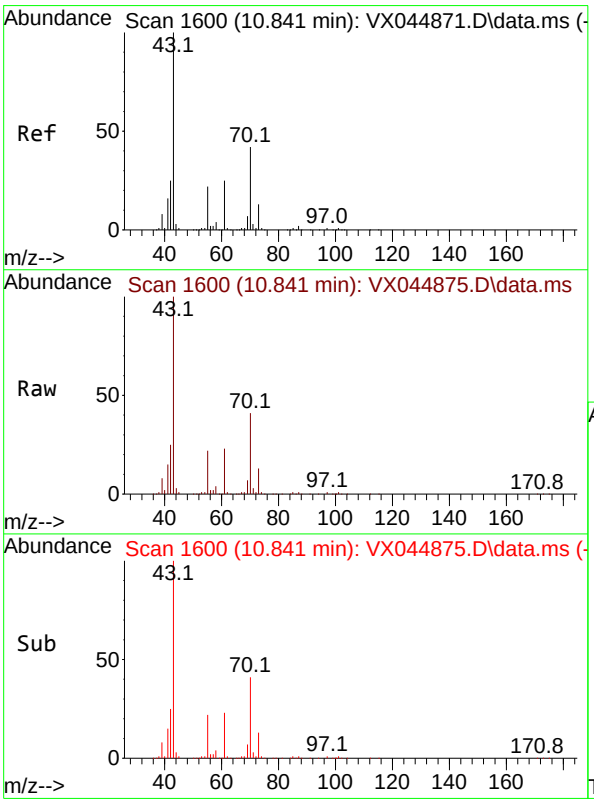
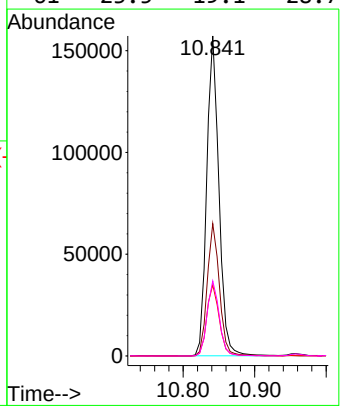
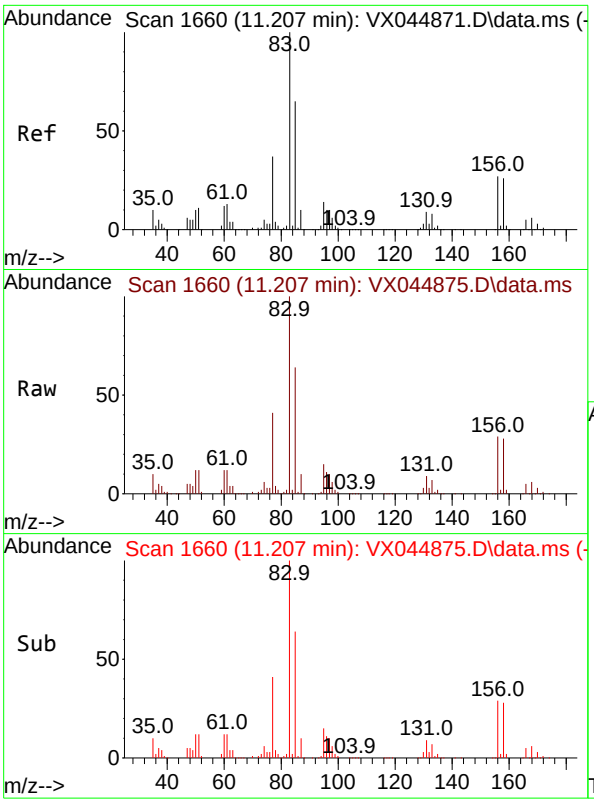


#74
N-amyl acetate
Concen: 52.621 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 186145

Ion	Ratio	Lower	Upper
43	100		
70	41.4	33.7	50.5
55	22.8	18.6	27.8
61	23.5	19.1	28.7

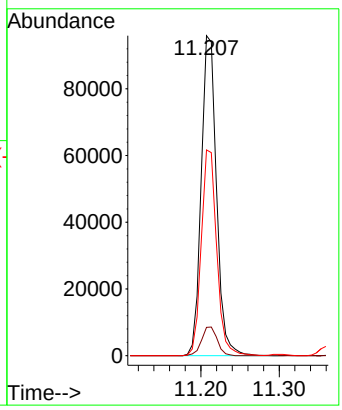




#75
1,1,2,2-Tetrachloroethane
Concen: 48.331 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 83 Resp: 12982

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.5
85	65.1	32.3	96.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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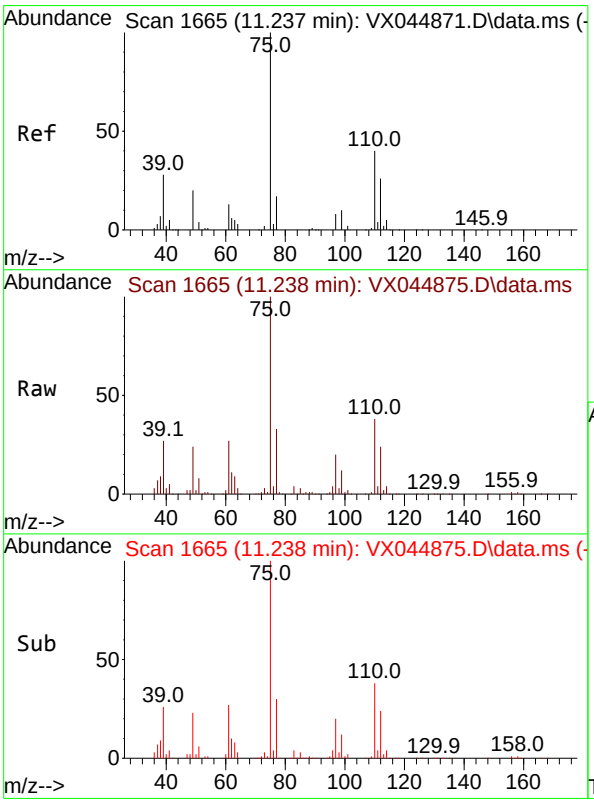
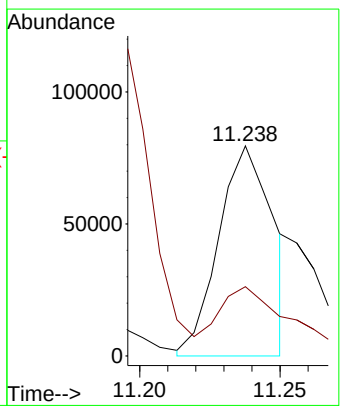
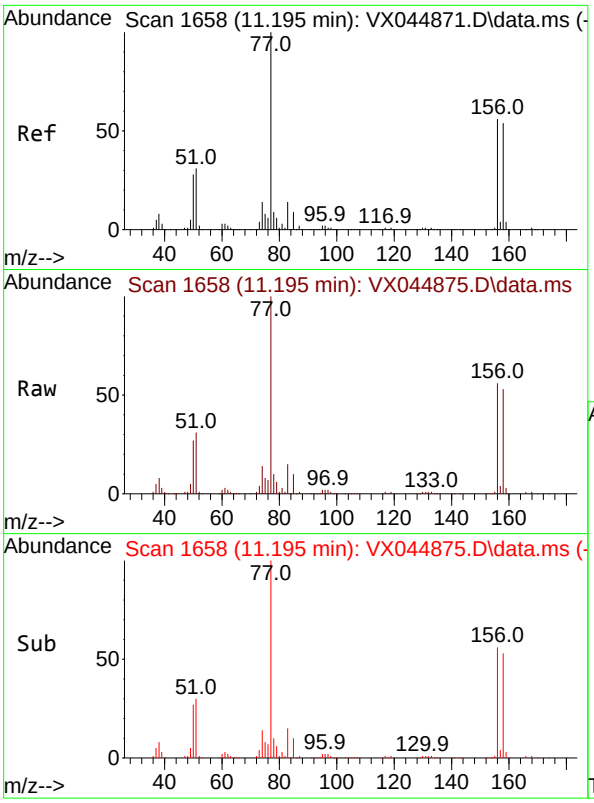


#76
1,2,3-Trichloropropane
Concen: 49.659 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 106893

Ion	Ratio	Lower	Upper
75	100		
77	43.7	21.9	65.7

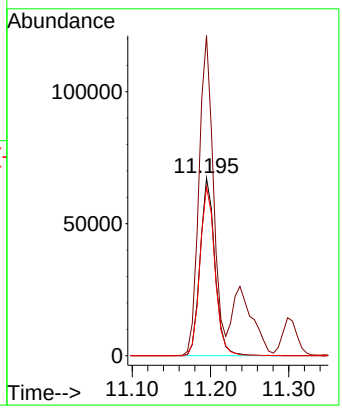




#77
Bromobenzene
Concen: 49.725 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:156 Resp: 8812

Ion	Ratio	Lower	Upper
156	100		
77	176.3	88.4	265.3
158	96.7	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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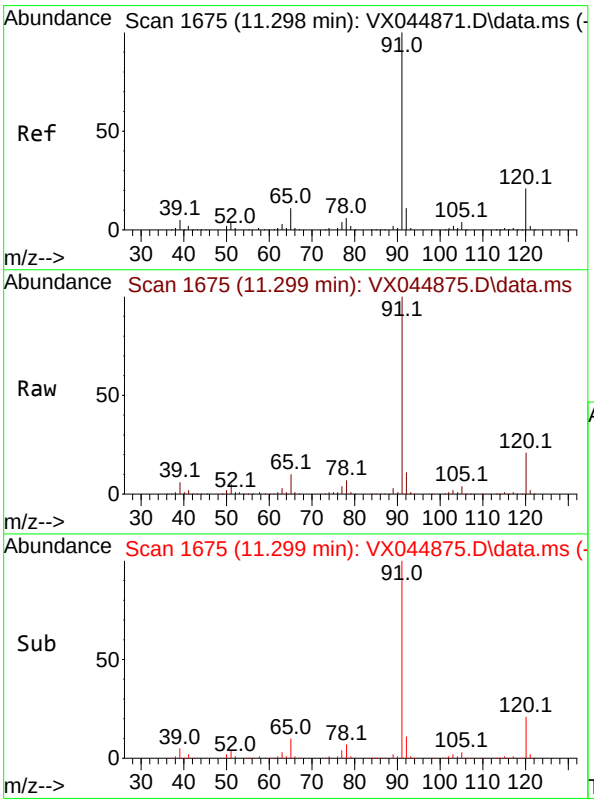
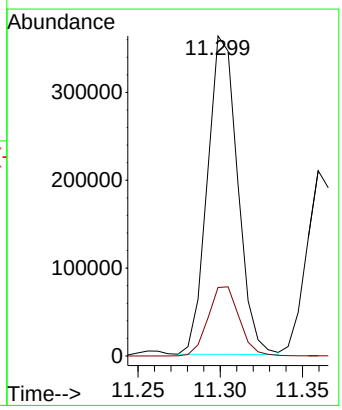
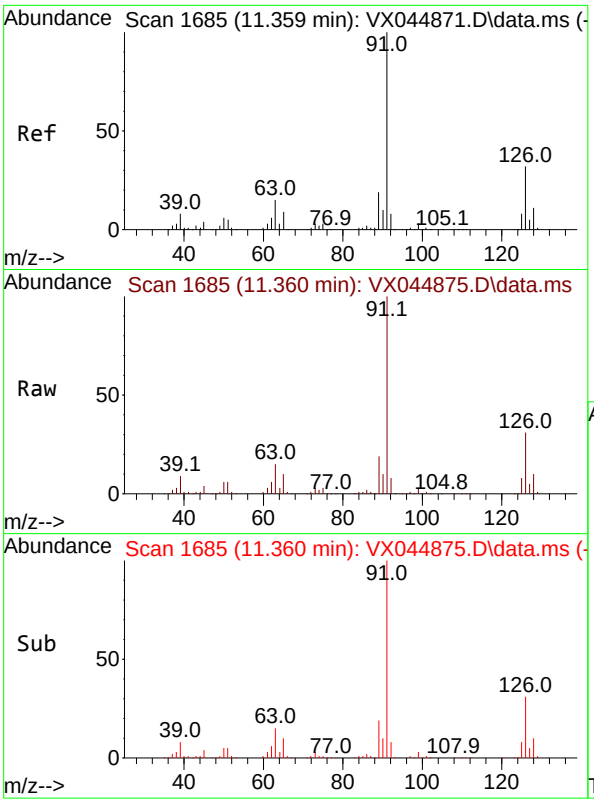


#78
n-propylbenzene
Concen: 51.386 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 463655

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3





#79
2-Chlorotoluene
Concen: 49.065 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 27209

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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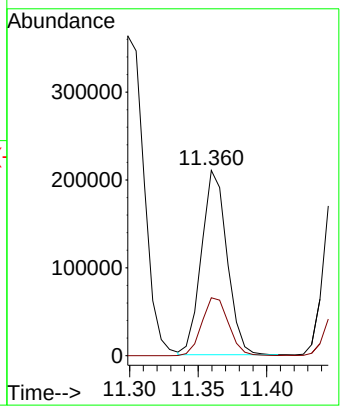
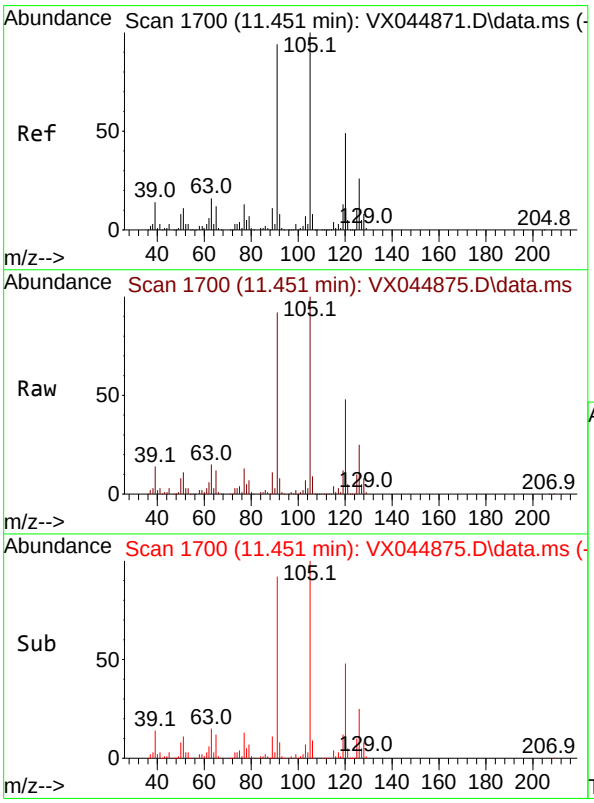
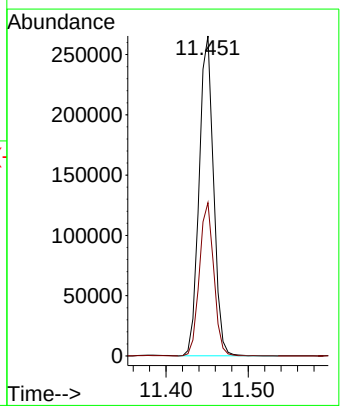


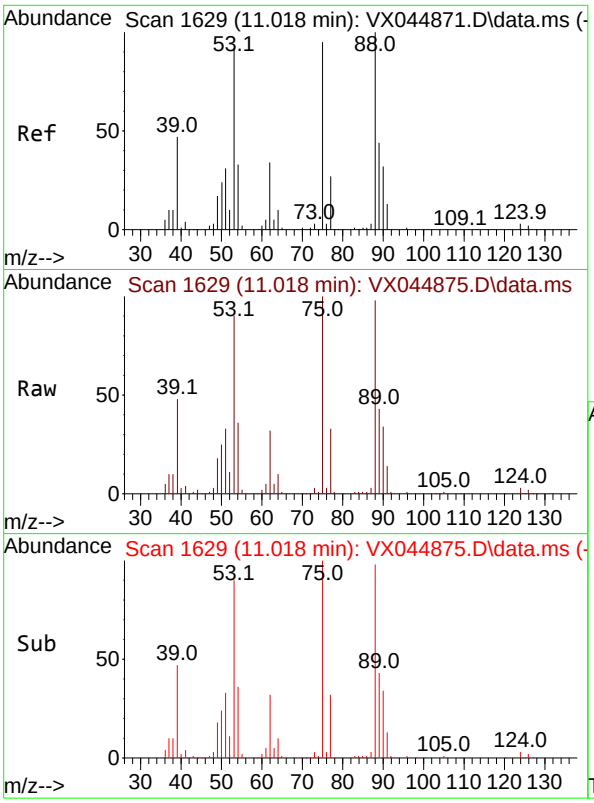


#80
1,3,5-Trimethylbenzene
Concen: 50.956 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 323251

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 52.665 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 4407

Ion	Ratio	Lower	Upper
75	100		
53	96.9	78.0	117.0
89	44.3	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
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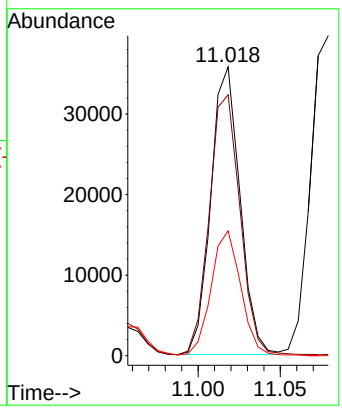
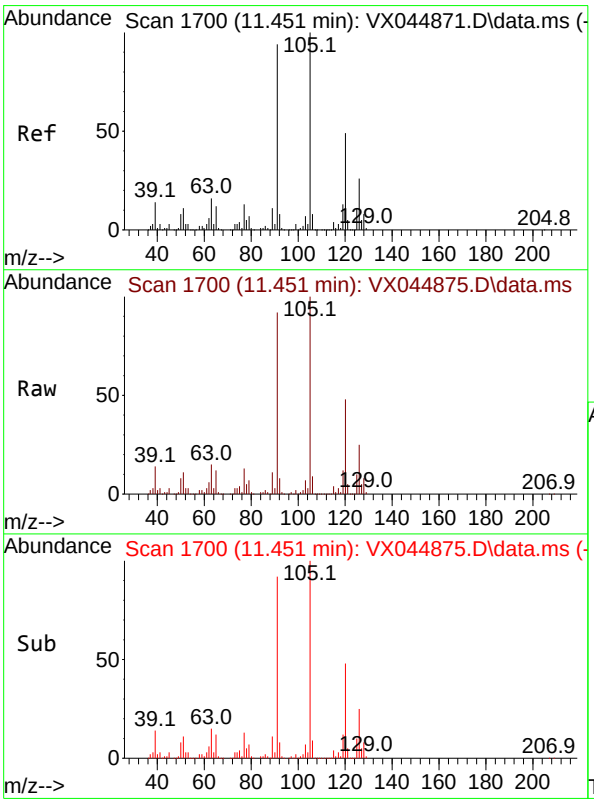
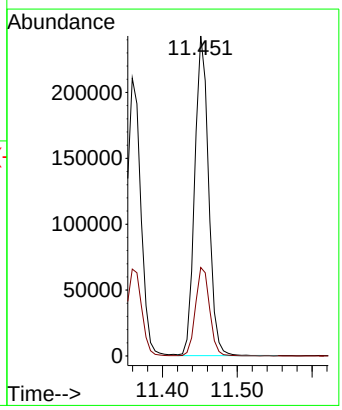


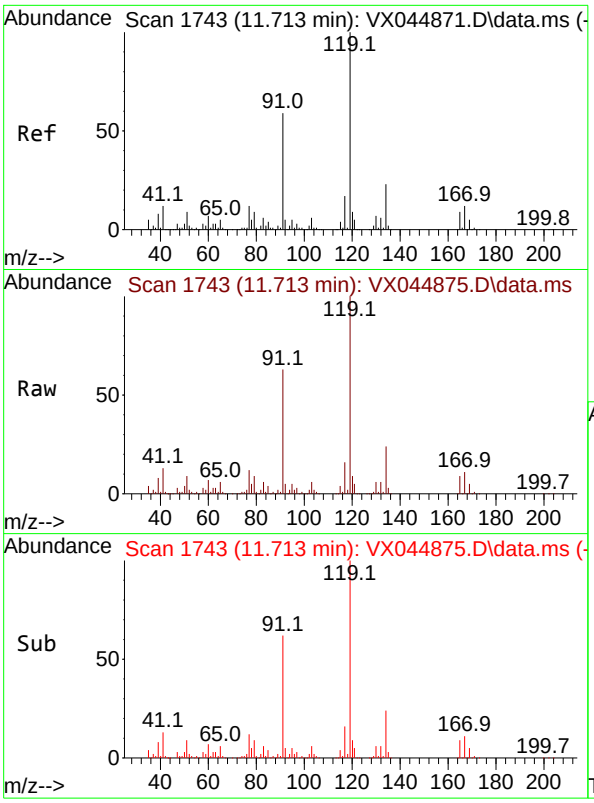


#82
4-Chlorotoluene
Concen: 50.872 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 312112

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.2	42.6

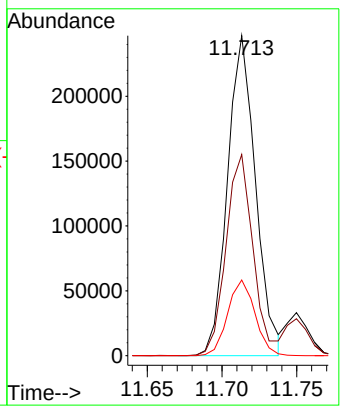




#83
tert-Butylbenzene
Concen: 50.139 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:119 Resp: 32177

Ion	Ratio	Lower	Upper
119	100		
91	60.7	29.1	87.4
134	23.0	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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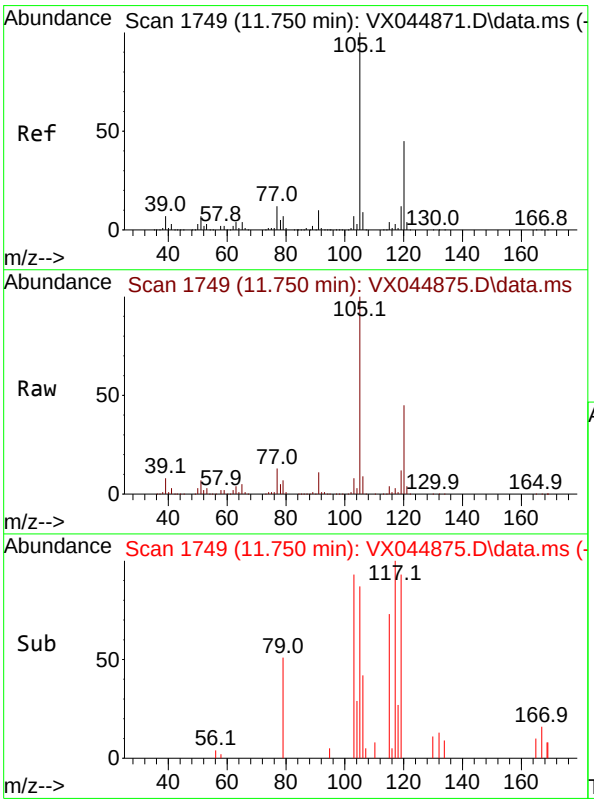
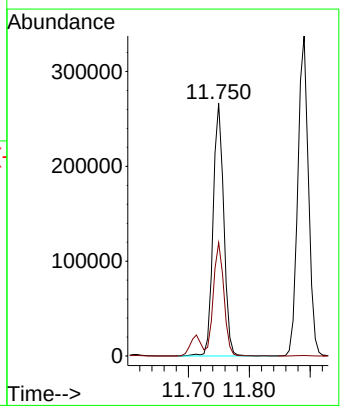
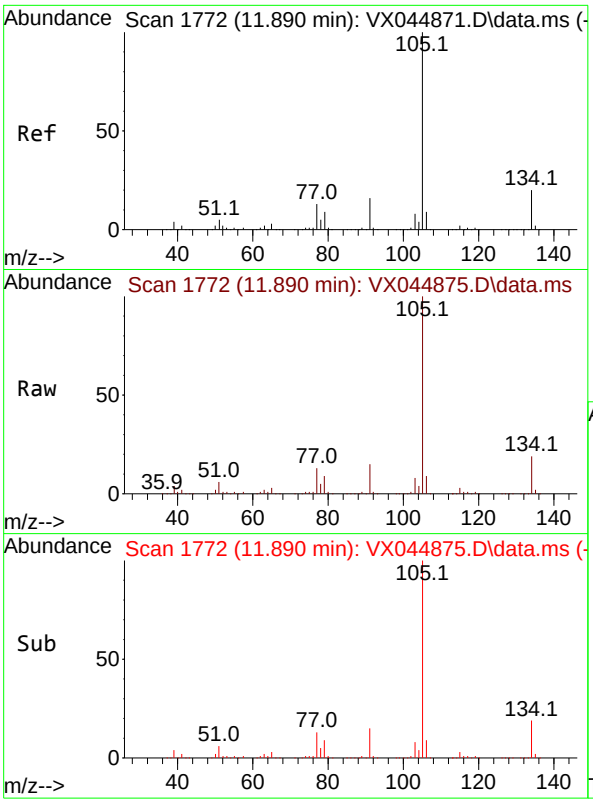


#84
1,2,4-Trimethylbenzene
Concen: 51.593 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 323035

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.0

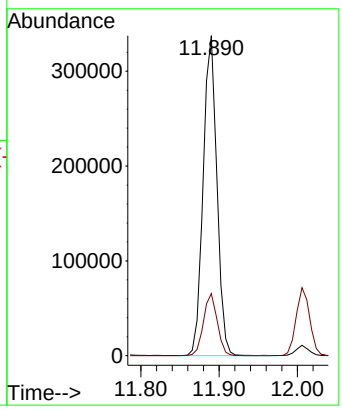




#85
sec-Butylbenzene
Concen: 51.617 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 41019

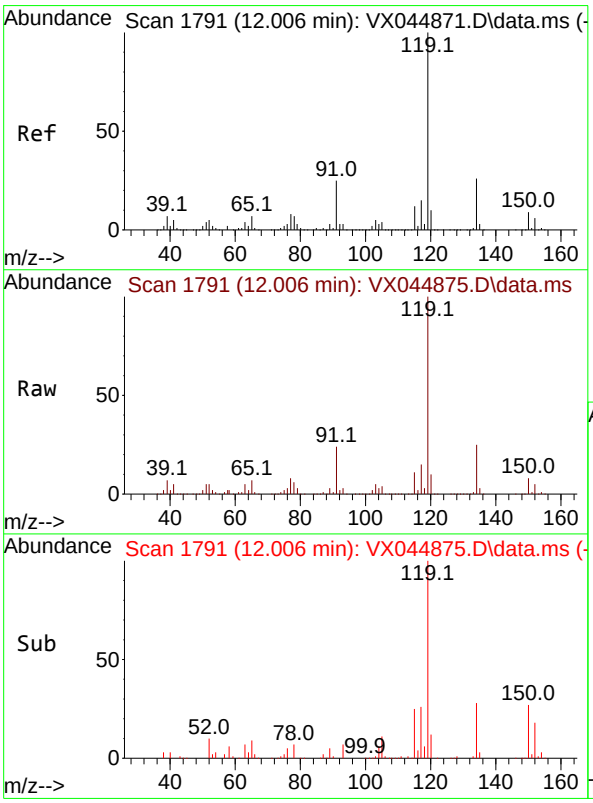
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

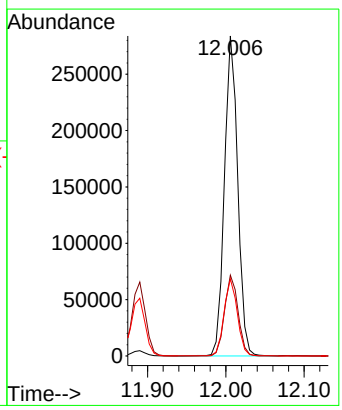
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

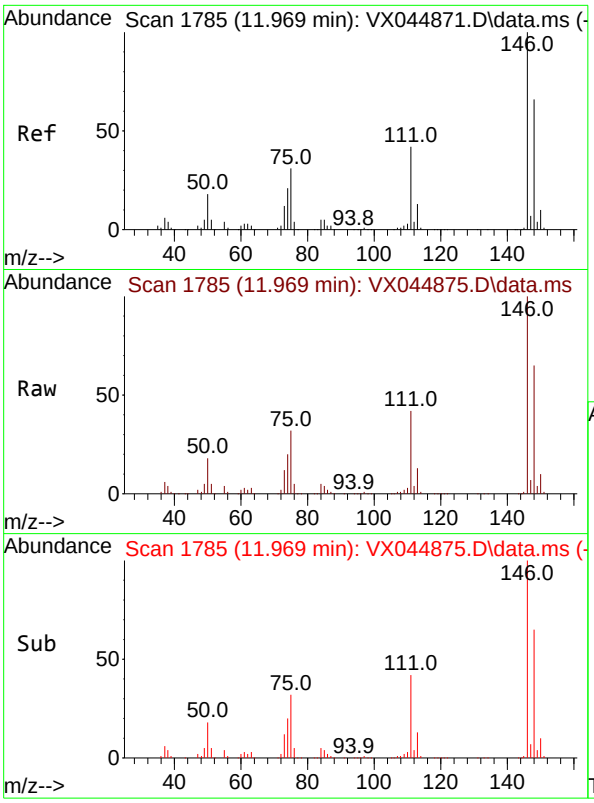


#86
p-Isopropyltoluene
Concen: 52.581 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:119 Resp: 336027

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.0	12.1	36.3

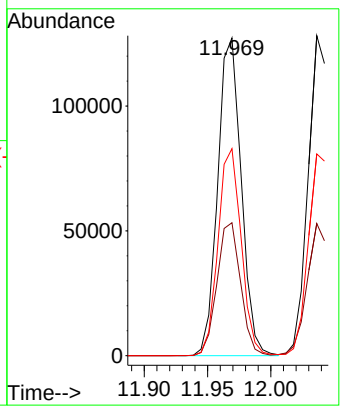




#87
1,3-Dichlorobenzene
Concen: 50.475 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:146 Resp: 16450

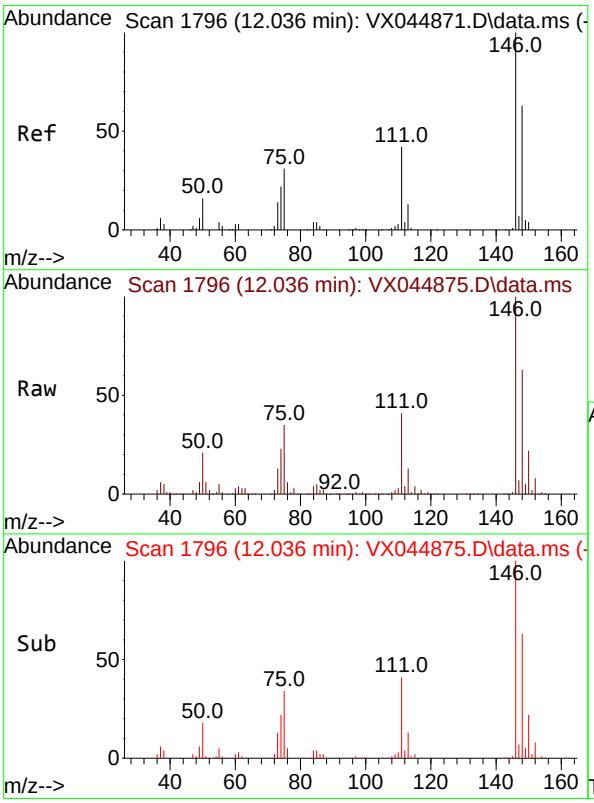
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	64.3	32.5	97.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

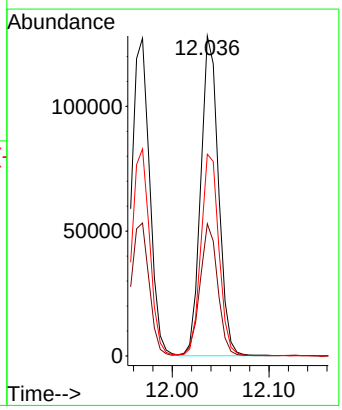
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

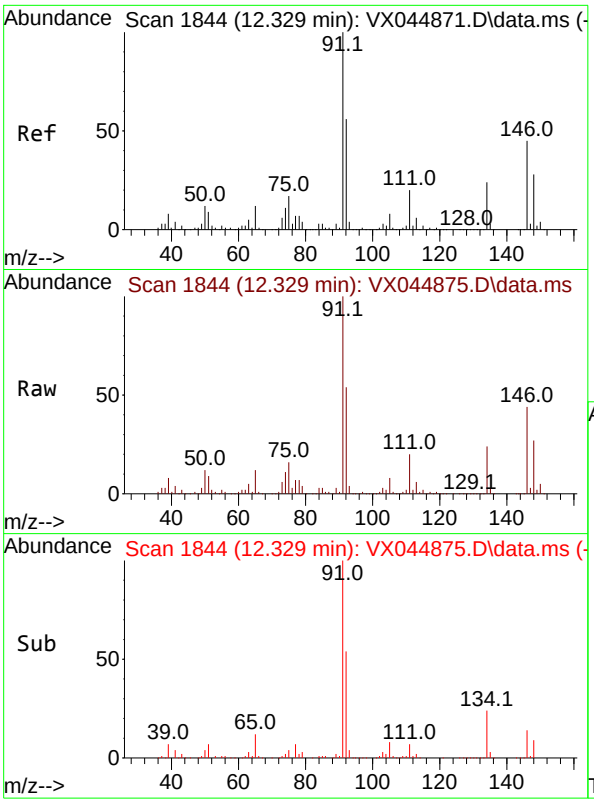


#88
1,4-Dichlorobenzene
Concen: 49.526 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:146 Resp: 163203

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.3
148	64.2	32.0	96.0

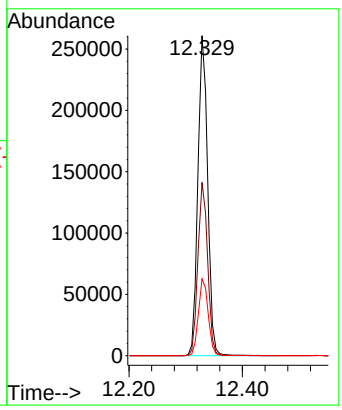




#89
n-Butylbenzene
Concen: 55.142 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 31176

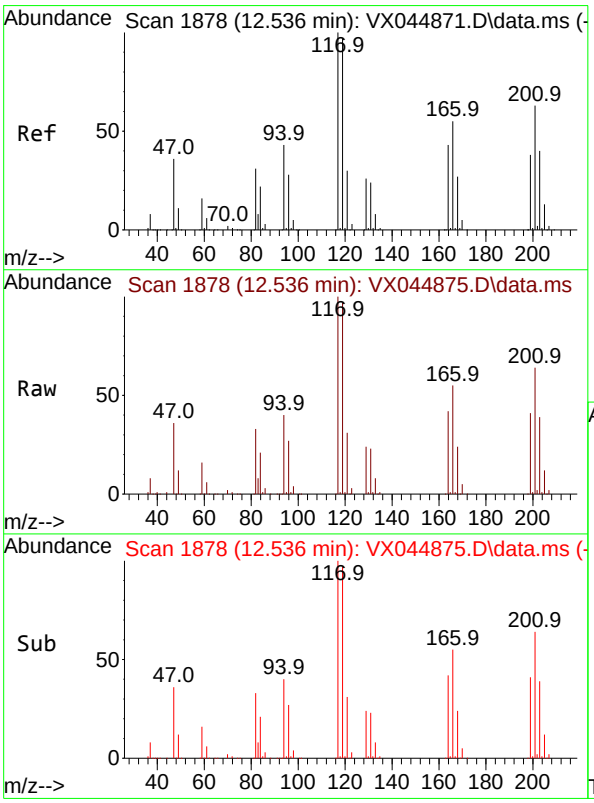
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.2	81.6
134	24.1	12.1	36.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

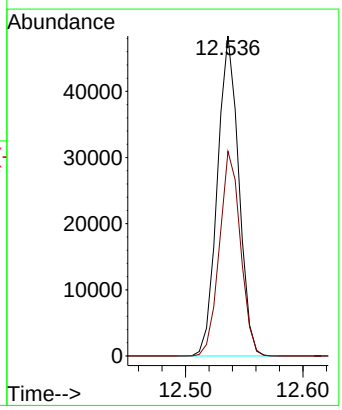
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

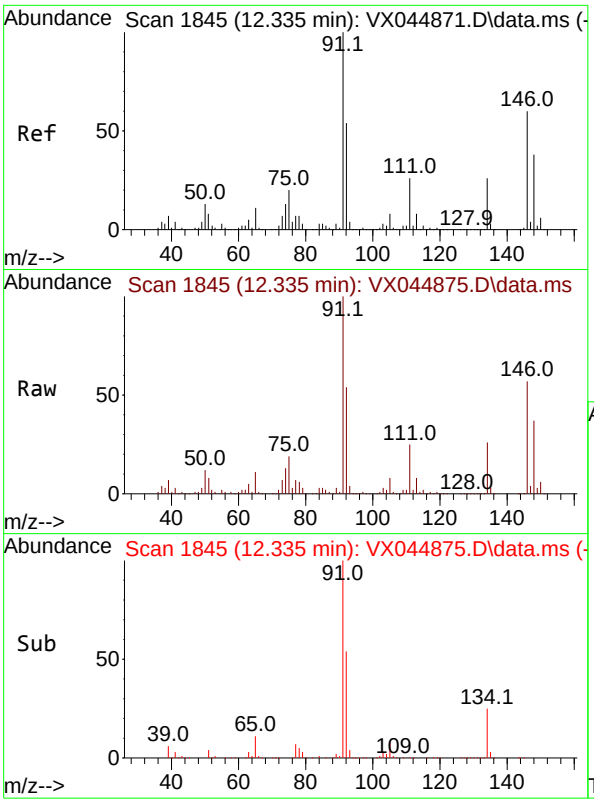


#90
Hexachloroethane
Concen: 50.990 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:117 Resp: 61016

Ion	Ratio	Lower	Upper
117	100		
201	63.1	32.5	97.5

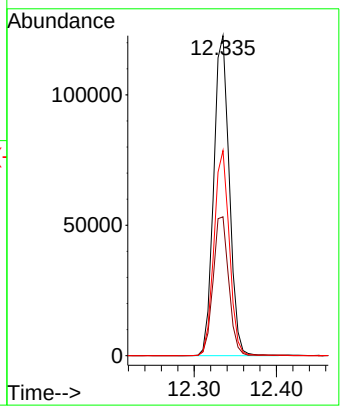




#91
1,2-Dichlorobenzene
Concen: 50.447 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:146 Resp: 16159

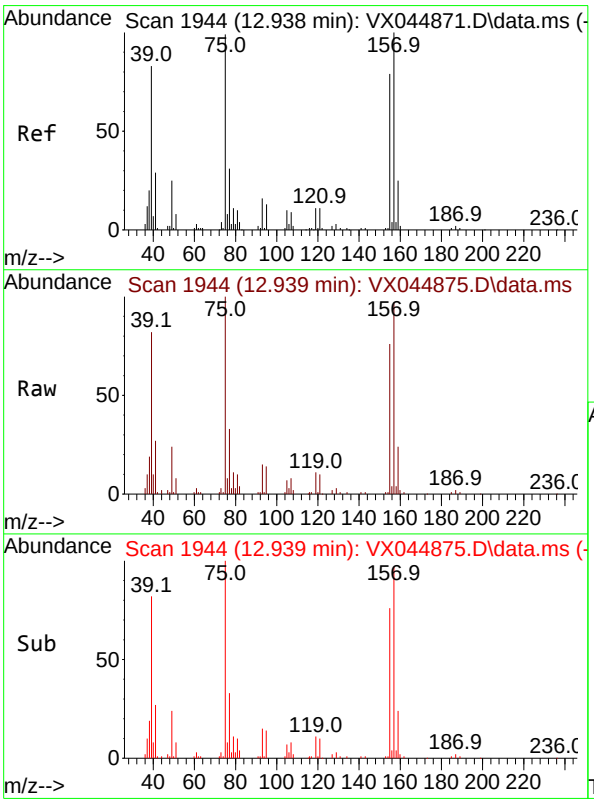
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.3	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

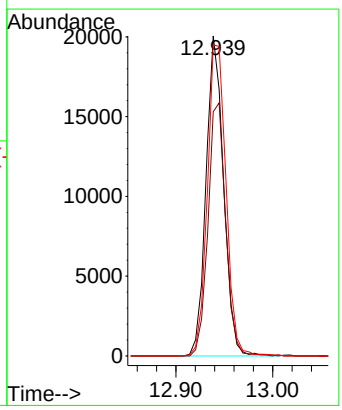
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

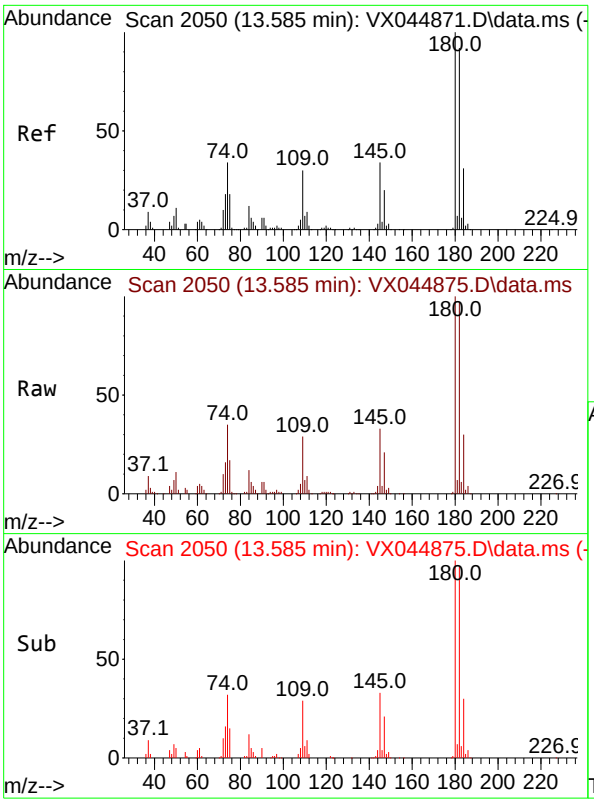


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.684 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 25339

Ion	Ratio	Lower	Upper
75	100		
155	79.5	40.5	121.4
157	103.5	51.4	154.3

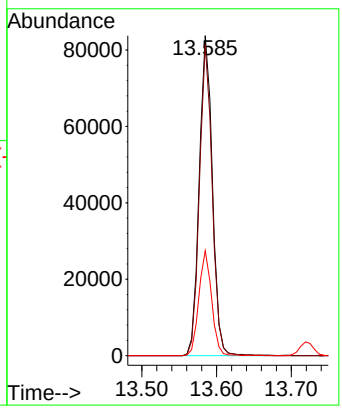




#93
1,2,4-Trichlorobenzene
Concen: 52.726 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:180 Resp: 10219

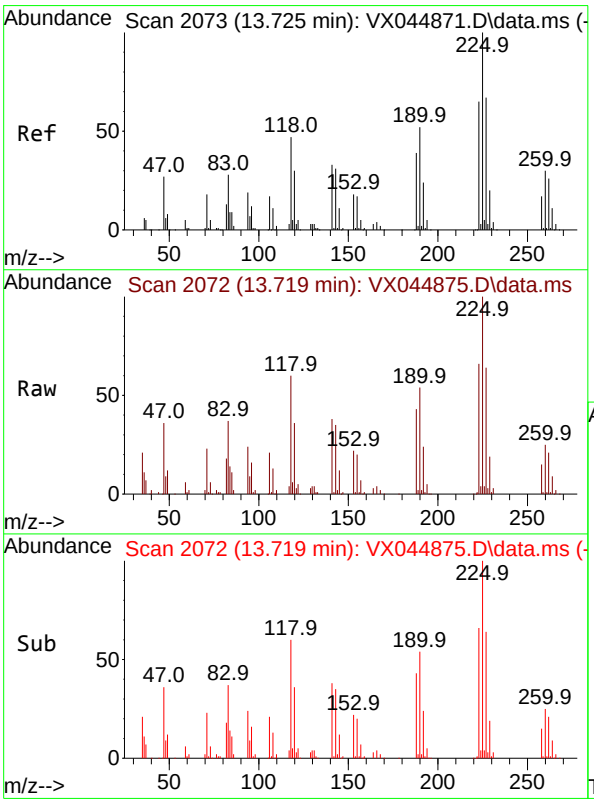
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.8
145	31.9	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

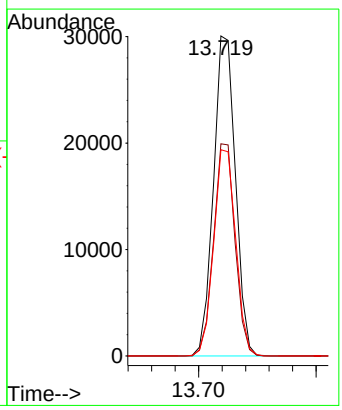
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

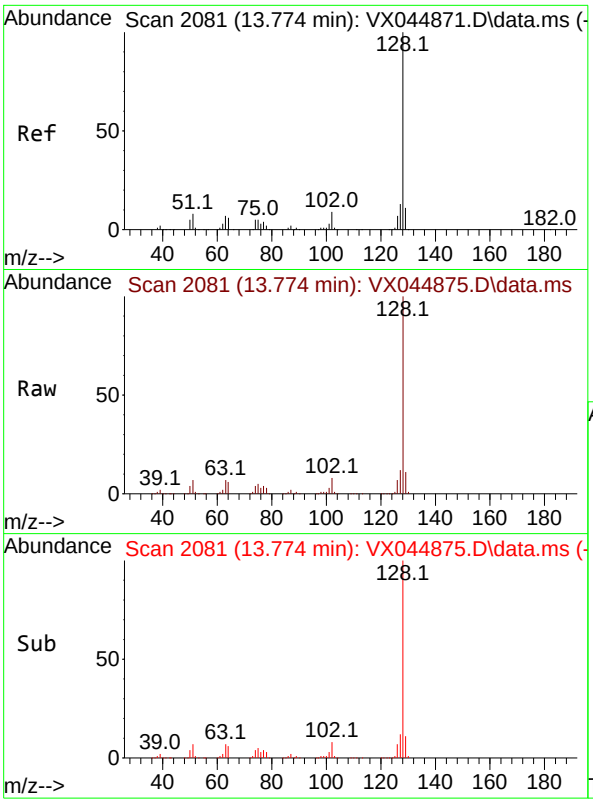


#94
Hexachlorobutadiene
Concen: 50.683 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:225 Resp: 38998

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.4	94.2
227	64.8	32.3	96.8

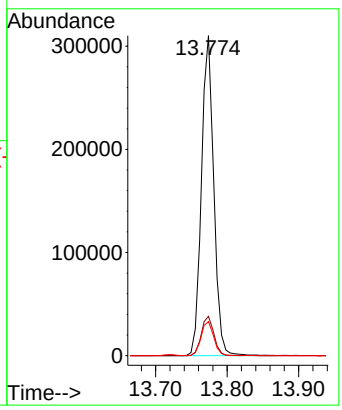




#95
Naphthalene
Concen: 53.033 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:128 Resp: 37157

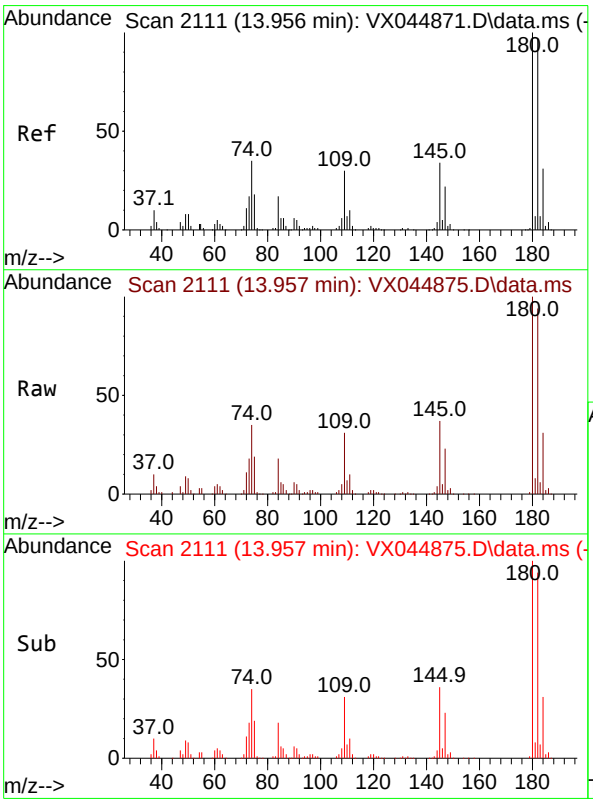
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

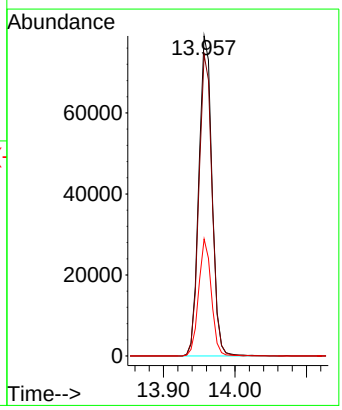
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.575 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:180 Resp: 100730

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.6
145	35.2	17.1	51.3



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	106	0.00
2	T	Dichlorodifluoromethane	0.701	0.690	1.6	105	0.00
3	P	Chloromethane	0.854	0.812	4.9	102	0.00
4	C	Vinyl Chloride	0.827	0.778	5.9#	102	0.00
5	T	Bromomethane	0.247	0.231	6.5	99	0.00
6	T	Chloroethane	0.307	0.279	9.1	87	0.00
7	T	Trichlorofluoromethane	1.046	1.016	2.9	105	0.00
8	T	Diethyl Ether	0.379	0.361	4.7	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.639	-1.1	109	0.00
10	T	Methyl Iodide	0.819	0.820	-0.1	103	0.00
11	T	Tert butyl alcohol	0.136	0.137	-0.7	107	0.00
12	CM	1,1-Dichloroethene	0.644	0.618	4.0#	104	0.00
13	T	Acrolein	0.140	0.135	3.6	101	0.00
14	T	Allyl chloride	1.165	1.141	2.1	105	0.00
15	T	Acrylonitrile	0.363	0.365	-0.6	102	0.00
16	T	Acetone	0.294	0.303	-3.1	110	0.00
17	T	Carbon Disulfide	1.767	1.749	1.0	105	0.00
18	T	Methyl Acetate	0.928	0.927	0.1	104	0.00
19	T	Methyl tert-butyl Ether	2.050	2.028	1.1	105	0.00
20	T	Methylene Chloride	0.721	0.692	4.0	104	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.623	1.7	103	0.00
22	T	Diisopropyl ether	2.203	2.210	-0.3	105	0.00
23	T	Vinyl Acetate	1.796	1.850	-3.0	106	0.00
24	P	1,1-Dichloroethane	1.233	1.216	1.4	105	0.00
25	T	2-Butanone	0.478	0.493	-3.1	104	0.00
26	T	2,2-Dichloropropane	0.978	0.983	-0.5	110	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.754	1.0	106	0.00
28	T	Bromochloromethane	0.593	0.536	9.6	98	0.00
29	T	Tetrahydrofuran	0.317	0.321	-1.3	104	0.00
30	C	Chloroform	1.196	1.157	3.3#	105	0.00
31	T	Cyclohexane	1.137	1.119	1.6	106	0.00
32	T	1,1,1-Trichloroethane	1.014	0.990	2.4	105	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.704	3.8	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.325	0.320	1.5	105	0.00
36	T	1,1-Dichloropropene	0.469	0.457	2.6	103	0.00
37	T	Ethyl Acetate	0.522	0.514	1.5	102	0.00
38	T	Carbon Tetrachloride	0.460	0.451	2.0	104	0.00
39	T	Methylcyclohexane	0.606	0.646	-6.6	109	0.00
40	TM	Benzene	1.465	1.462	0.2	104	0.00
41	T	Methacrylonitrile	0.279	0.300	-7.5	104	0.00
42	TM	1,2-Dichloroethane	0.467	0.471	-0.9	105	0.00
43	T	Isopropyl Acetate	0.842	0.873	-3.7	104	0.00
44	TM	Trichloroethene	0.335	0.334	0.3	105	0.00
45	C	1,2-Dichloropropane	0.364	0.367	-0.8#	105	0.00
46	T	Dibromomethane	0.253	0.250	1.2	103	0.00
47	T	Bromodichloromethane	0.489	0.499	-2.0	105	0.00
48	T	Methyl methacrylate	0.397	0.420	-5.8	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	101	0.00
50	S	Toluene-d8	1.229	1.221	0.7	103	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.543	-6.1	103	0.00
52	CM	Toluene	0.872	0.884	-1.4#	103	0.00
53	T	t-1,3-Dichloropropene	0.495	0.532	-7.5	109	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.585	-6.0	106	0.00
55	T	1,1,2-Trichloroethane	0.335	0.341	-1.8	105	0.00
56	T	Ethyl methacrylate	0.542	0.586	-8.1	106	0.00
57	T	1,3-Dichloropropane	0.587	0.597	-1.7	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.302	-13.5	110	0.00
59	T	2-Hexanone	0.369	0.398	-7.9	103	0.00
60	T	Dibromochloromethane	0.359	0.371	-3.3	104	0.00
61	T	1,2-Dibromoethane	0.340	0.350	-2.9	105	0.00
62	S	4-Bromofluorobenzene	0.414	0.429	-3.6	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.315	0.312	1.0	105	0.00
65	PM	Chlorobenzene	1.074	1.094	-1.9	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.354	-2.3	104	0.00
67	C	Ethyl Benzene	1.895	1.949	-2.8#	105	0.00
68	T	m/p-Xylenes	0.699	0.729	-4.3	105	0.00
69	T	o-Xylene	0.701	0.713	-1.7	105	0.00
70	T	Styrene	1.130	1.210	-7.1	105	0.00
71	P	Bromoform	0.258	0.279	-8.1	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	4.026	4.020	0.1	104	0.00
74	T	N-amyl acetate	1.822	1.917	-5.2	106	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.337	3.3	103	0.00
76	T	1,2,3-Trichloropropane	1.109	1.101	0.7	104	0.00
77	T	Bromobenzene	0.913	0.908	0.5	104	0.00
78	T	n-propylbenzene	4.647	4.776	-2.8	106	0.00
79	T	2-Chlorotoluene	2.856	2.803	1.9	103	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.329	-1.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.454	-5.3	109	0.00
82	T	4-Chlorotoluene	3.160	3.215	-1.7	105	0.00
83	T	tert-Butylbenzene	3.305	3.314	-0.3	105	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.327	-3.2	104	0.00
85	T	sec-Butylbenzene	4.093	4.225	-3.2	107	0.00
86	T	p-Isopropyltoluene	3.291	3.461	-5.2	107	0.00
87	T	1,3-Dichlorobenzene	1.678	1.694	-1.0	106	0.00
88	T	1,4-Dichlorobenzene	1.697	1.681	0.9	105	0.00
89	T	n-Butylbenzene	2.912	3.211	-10.3	108	0.00
90	T	Hexachloroethane	0.616	0.628	-1.9	107	0.00
91	T	1,2-Dichlorobenzene	1.650	1.664	-0.8	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.261	-3.6	106	0.00
93	T	1,2,4-Trichlorobenzene	0.998	1.053	-5.5	109	0.00
94	T	Hexachlorobutadiene	0.396	0.402	-1.5	110	0.00
95	T	Naphthalene	3.608	3.827	-6.1	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.038	-3.2	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	106	0.00
2	T	Dichlorodifluoromethane	50.000	49.173	1.7	105	0.00
3	P	Chloromethane	50.000	47.590	4.8	102	0.00
4	C	Vinyl Chloride	50.000	47.033	5.9#	102	0.00
5	T	Bromomethane	50.000	46.719	6.6	99	0.00
6	T	Chloroethane	50.000	42.198	15.6	87	0.00
7	T	Trichlorofluoromethane	50.000	48.558	2.9	105	0.00
8	T	Diethyl Ether	50.000	47.544	4.9	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.588	-1.2	109	0.00
10	T	Methyl Iodide	50.000	50.082	-0.2	103	0.00
11	T	Tert butyl alcohol	250.000	251.791	-0.7	107	0.00
12	CM	1,1-Dichloroethene	50.000	47.935	4.1#	104	0.00
13	T	Acrolein	250.000	240.879	3.6	101	0.00
14	T	Allyl chloride	50.000	48.976	2.0	105	0.00
15	T	Acrylonitrile	250.000	251.537	-0.6	102	0.00
16	T	Acetone	250.000	257.198	-2.9	110	0.00
17	T	Carbon Disulfide	50.000	49.472	1.1	105	0.00
18	T	Methyl Acetate	50.000	49.920	0.2	104	0.00
19	T	Methyl tert-butyl Ether	50.000	49.453	1.1	105	0.00
20	T	Methylene Chloride	50.000	47.978	4.0	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.129	1.7	103	0.00
22	T	Diisopropyl ether	50.000	50.138	-0.3	105	0.00
23	T	Vinyl Acetate	250.000	257.465	-3.0	106	0.00
24	P	1,1-Dichloroethane	50.000	49.329	1.3	105	0.00
25	T	2-Butanone	250.000	258.175	-3.3	104	0.00
26	T	2,2-Dichloropropane	50.000	50.285	-0.6	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.493	1.0	106	0.00
28	T	Bromochloromethane	50.000	45.250	9.5	98	0.00
29	T	Tetrahydrofuran	250.000	253.318	-1.3	104	0.00
30	C	Chloroform	50.000	48.393	3.2#	105	0.00
31	T	Cyclohexane	50.000	49.211	1.6	106	0.00
32	T	1,1,1-Trichloroethane	50.000	48.825	2.3	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.061	3.9	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	49.173	1.7	105	0.00
36	T	1,1-Dichloropropene	50.000	48.702	2.6	103	0.00
37	T	Ethyl Acetate	50.000	49.300	1.4	102	0.00
38	T	Carbon Tetrachloride	50.000	49.083	1.8	104	0.00
39	T	Methylcyclohexane	50.000	53.254	-6.5	109	0.00
40	TM	Benzene	50.000	49.919	0.2	104	0.00
41	T	Methacrylonitrile	50.000	53.741	-7.5	104	0.00
42	TM	1,2-Dichloroethane	50.000	50.410	-0.8	105	0.00
43	T	Isopropyl Acetate	50.000	51.798	-3.6	104	0.00
44	TM	Trichloroethene	50.000	49.917	0.2	105	0.00
45	C	1,2-Dichloropropane	50.000	50.387	-0.8#	105	0.00
46	T	Dibromomethane	50.000	49.540	0.9	103	0.00
47	T	Bromodichloromethane	50.000	50.980	-2.0	105	0.00
48	T	Methyl methacrylate	50.000	52.848	-5.7	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1021.138	-2.1	101	0.00
50	S	Toluene-d8	50.000	49.649	0.7	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	265.112	-6.0	103	0.00
52	CM	Toluene	50.000	50.680	-1.4#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	53.731	-7.5	109	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.986	-6.0	106	0.00
55	T	1,1,2-Trichloroethane	50.000	50.811	-1.6	105	0.00
56	T	Ethyl methacrylate	50.000	54.068	-8.1	106	0.00
57	T	1,3-Dichloropropane	50.000	50.852	-1.7	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.352	-13.7	110	0.00
59	T	2-Hexanone	250.000	269.951	-8.0	103	0.00
60	T	Dibromochloromethane	50.000	51.673	-3.3	104	0.00
61	T	1,2-Dibromoethane	50.000	51.436	-2.9	105	0.00
62	S	4-Bromofluorobenzene	50.000	51.786	-3.6	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	49.424	1.2	105	0.00
65	PM	Chlorobenzene	50.000	50.952	-1.9	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.205	-2.4	104	0.00
67	C	Ethyl Benzene	50.000	51.415	-2.8#	105	0.00
68	T	m/p-Xylenes	100.000	104.282	-4.3	105	0.00
69	T	o-Xylene	50.000	50.804	-1.6	105	0.00
70	T	Styrene	50.000	53.521	-7.0	105	0.00
71	P	Bromoform	50.000	53.997	-8.0	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	49.921	0.2	104	0.00
74	T	N-amyl acetate	50.000	52.621	-5.2	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.331	3.3	103	0.00
76	T	1,2,3-Trichloropropane	50.000	49.659	0.7	104	0.00
77	T	Bromobenzene	50.000	49.725	0.5	104	0.00
78	T	n-propylbenzene	50.000	51.386	-2.8	106	0.00
79	T	2-Chlorotoluene	50.000	49.065	1.9	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.956	-1.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.665	-5.3	109	0.00
82	T	4-Chlorotoluene	50.000	50.872	-1.7	105	0.00
83	T	tert-Butylbenzene	50.000	50.139	-0.3	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.593	-3.2	104	0.00
85	T	sec-Butylbenzene	50.000	51.617	-3.2	107	0.00
86	T	p-Isopropyltoluene	50.000	52.581	-5.2	107	0.00
87	T	1,3-Dichlorobenzene	50.000	50.475	-1.0	106	0.00
88	T	1,4-Dichlorobenzene	50.000	49.526	0.9	105	0.00
89	T	n-Butylbenzene	50.000	55.142	-10.3	108	0.00
90	T	Hexachloroethane	50.000	50.990	-2.0	107	0.00
91	T	1,2-Dichlorobenzene	50.000	50.447	-0.9	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.684	-3.4	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.726	-5.5	109	0.00
94	T	Hexachlorobutadiene	50.000	50.683	-1.4	110	0.00
95	T	Naphthalene	50.000	53.033	-6.1	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.575	-3.2	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

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

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

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

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

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.7
Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1
Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7
Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.5
Trichlorofluoromethane	0.978	1.061	1.050	1.050	0.982	0.948	1.012	4.7
1,1,2-Trichlorotrifluoroethane	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.4
1,1-Dichloroethene	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.3
Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7
Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.6
Methyl tert-butyl Ether	1.955	1.913	2.127	2.083	2.132	2.158	2.061	5
Methylene Chloride	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.8
trans-1,2-Dichloroethene	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.7
1,1-Dichloroethane	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.5
2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.1
Carbon Tetrachloride	0.463	0.463	0.447	0.468	0.489	0.463	0.465	3
cis-1,2-Dichloroethene	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.2
Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	2
1,1,1-Trichloroethane	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.8
Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.1
Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.7
1,2-Dichloroethane	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.6
Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.7
1,2-Dichloropropane	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.7
Bromodichloromethane	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.2
4-Methyl-2-Pentanone	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.5
Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8
t-1,3-Dichloropropene	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.3
cis-1,3-Dichloropropene	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.8
1,1,2-Trichloroethane	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.6
2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.1

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

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

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

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

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

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9
Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.3
Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.7
Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.1
m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.3
o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.5
Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.7
Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.9
Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.8
1,1,2,2-Tetrachloroethane	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.6
1,3-Dichlorobenzene	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.4
1,4-Dichlorobenzene	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.1
1,2-Dichlorobenzene	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.5
1,2-Dichloroethane-d4		0.836	0.784	0.757	0.783	0.817	0.795	3.9
Dibromofluoromethane		0.329	0.335	0.329	0.340	0.338	0.334	1.5
Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.4
4-Bromofluorobenzene		0.383	0.393	0.402	0.410	0.421	0.402	3.7

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025
Response Via : Initial Calibration

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

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

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

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

(#) = Out of Range

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	102761	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	188642	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	159886	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64845	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1282	1.007	ug/l		90
3) Chloromethane	1.301	50	1552	0.975	ug/l		91
4) Vinyl Chloride	1.368	62	1588	1.008	ug/l	#	85
6) Chloroethane	1.673	64	766m	0.992	ug/l		
7) Trichlorofluoromethane	1.880	101	2011	0.957	ug/l		97
8) Diethyl Ether	2.130	74	835	1.045	ug/l		80
9) 1,1,2-Trichlorotrifluo...	2.319	101	1081	0.884	ug/l		87
12) 1,1-Dichloroethene	2.313	96	1251	0.991	ug/l		92
14) Allyl chloride	2.660	41	2343	1.055	ug/l		93
15) Acrylonitrile	3.075	53	4067	4.931	ug/l		99
16) Acetone	2.380	43	4259	5.635	ug/l		100
17) Carbon Disulfide	2.502	76	3256	0.956	ug/l	#	92
18) Methyl Acetate	2.703	43	1960	1.066	ug/l		93
19) Methyl tert-butyl Ether	3.111	73	4017	0.943	ug/l		91
20) Methylene Chloride	2.782	84	1656	1.095	ug/l		98
21) trans-1,2-Dichloroethene	3.093	96	1109	0.869	ug/l		91
22) Diisopropyl ether	3.764	45	4026	0.871	ug/l	#	80
23) Vinyl Acetate	3.727	43	15271	3.971	ug/l		97
24) 1,1-Dichloroethane	3.605	63	2467	0.958	ug/l	#	83
25) 2-Butanone	4.587	43	4894	4.252	ug/l		96
26) 2,2-Dichloropropane	4.471	77	1066	0.872	ug/l	#	56
27) cis-1,2-Dichloroethene	4.501	96	1412	0.902	ug/l	#	19
28) Bromochloromethane	4.885	49	1144	0.958	ug/l	#	54
29) Tetrahydrofuran	5.032	42	3719	4.809	ug/l	#	34
30) Chloroform	5.093	83	2478	0.978	ug/l		92
32) 1,1,1-Trichloroethane	5.373	97	1867	0.893	ug/l	#	52
36) 1,1-Dichloropropene	5.690	75	1681	0.967	ug/l	#	84
37) Ethyl Acetate	4.739	43	2223m	0.988	ug/l		
38) Carbon Tetrachloride	5.672	117	1747m	0.987	ug/l		
39) Methylcyclohexane	7.385	83	1750	0.831	ug/l		88
40) Benzene	6.031	78	4984	0.907	ug/l		99
41) Methacrylonitrile	4.958	41	1072m	0.879	ug/l		
42) 1,2-Dichloroethane	6.099	62	1837	0.924	ug/l		78
43) Isopropyl Acetate	6.355	43	2545	0.767	ug/l	#	95
44) Trichloroethene	7.129	130	1202	0.933	ug/l		65
45) 1,2-Dichloropropane	7.434	63	1334	0.971	ug/l	#	82

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

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

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

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

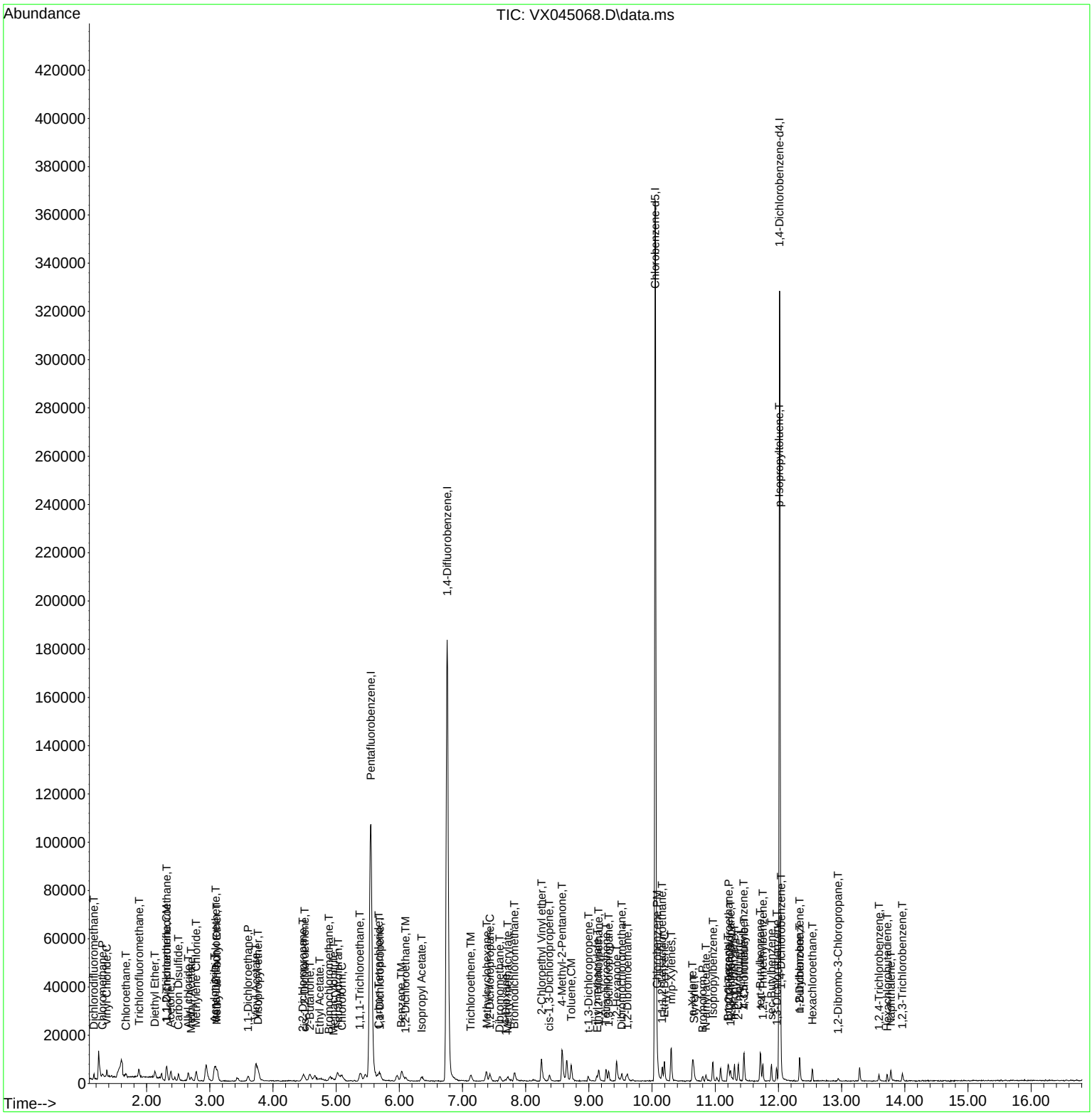
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045068.D
Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

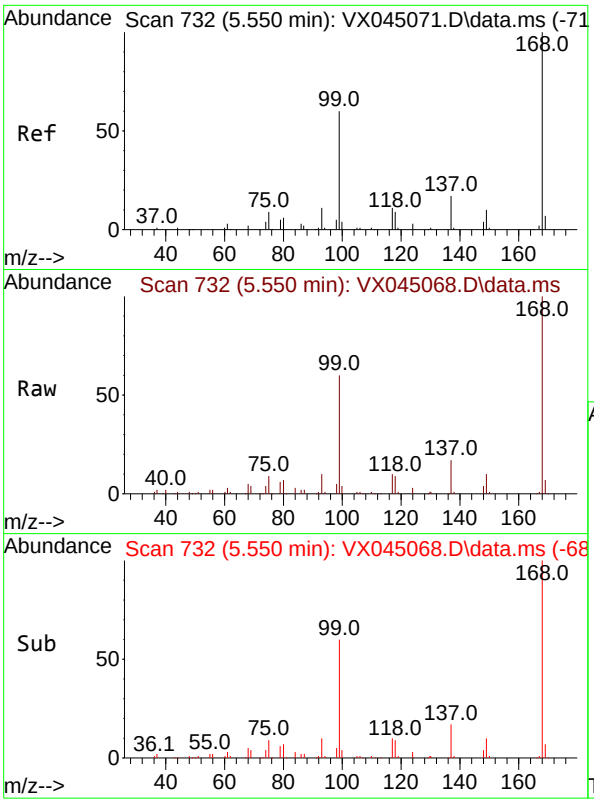
Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

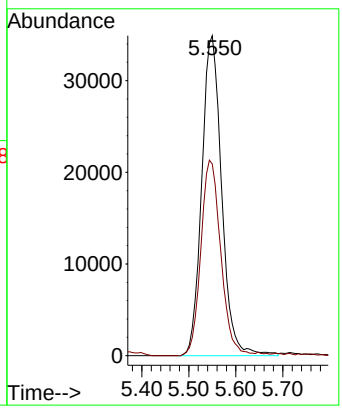




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:168 Resp: 10276

Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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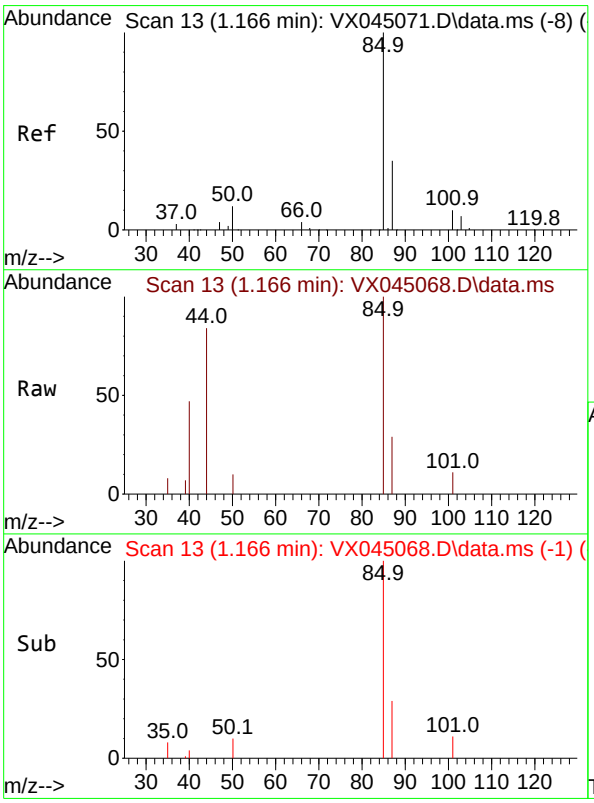
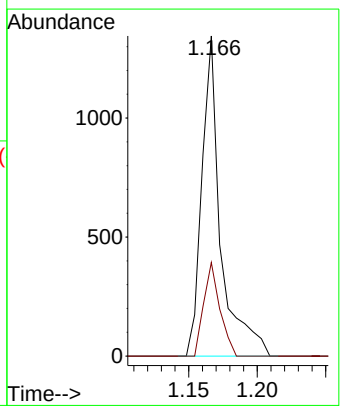
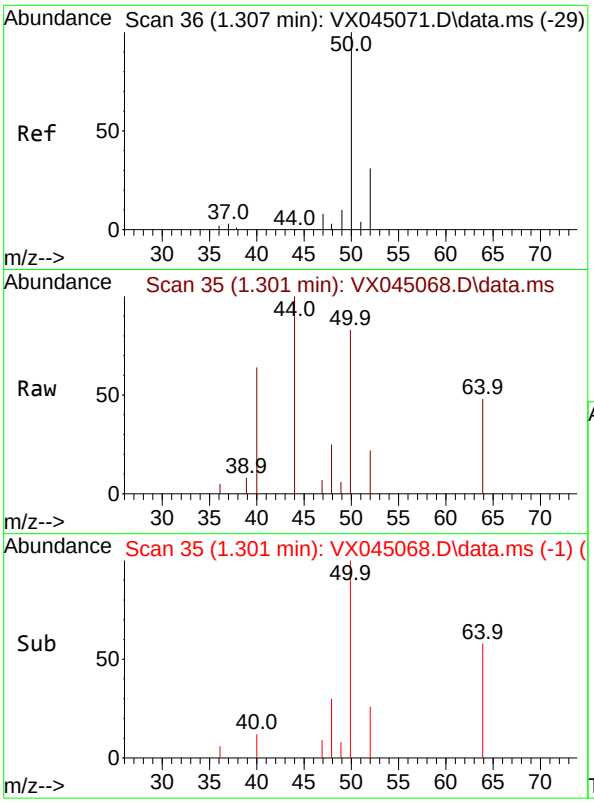


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3

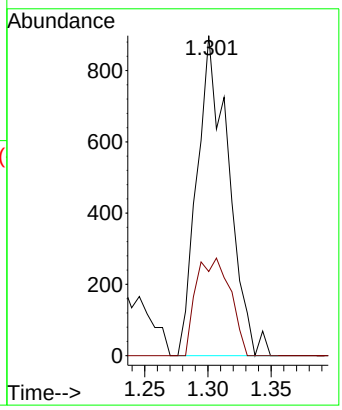




#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 50 Resp: 155

Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4



Instrument :
MSVOA_X
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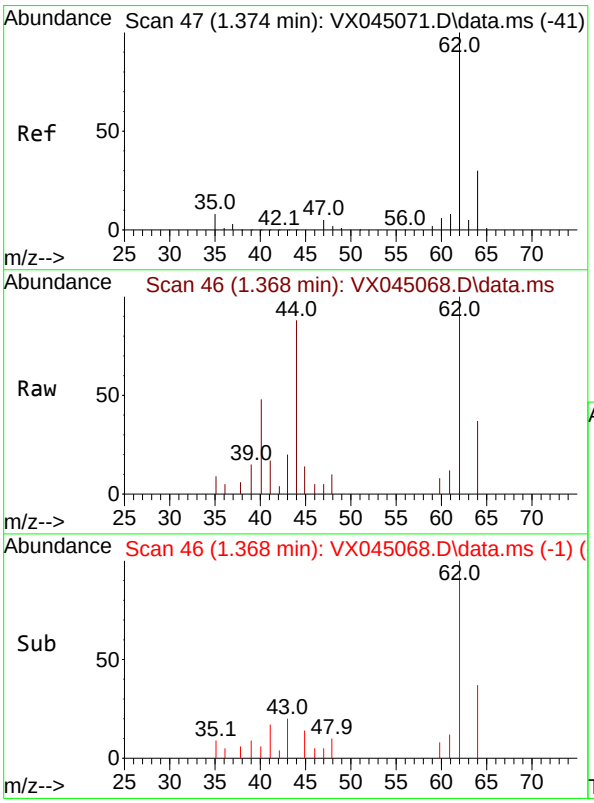
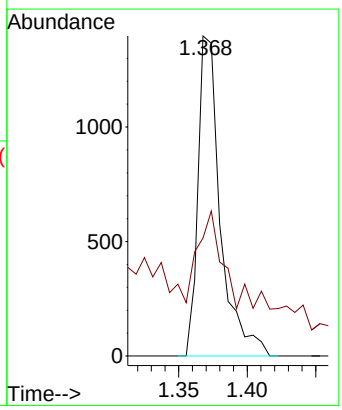
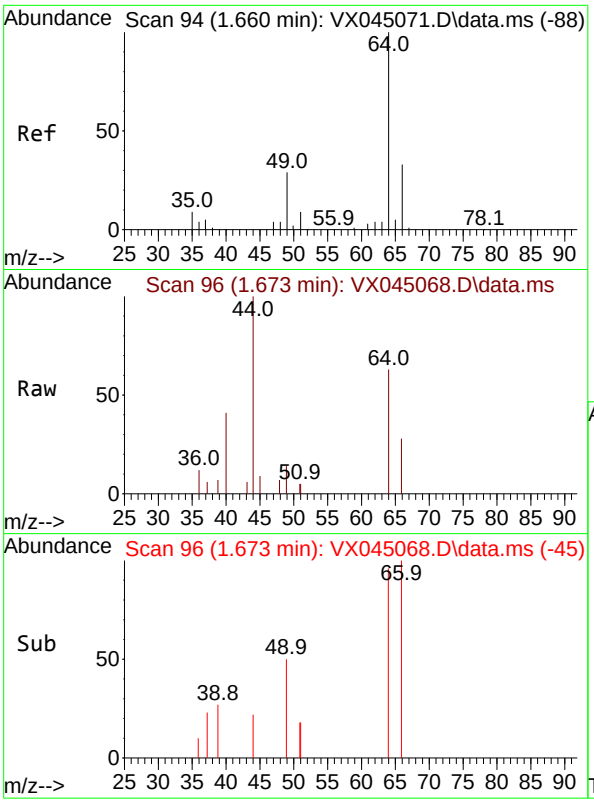


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#

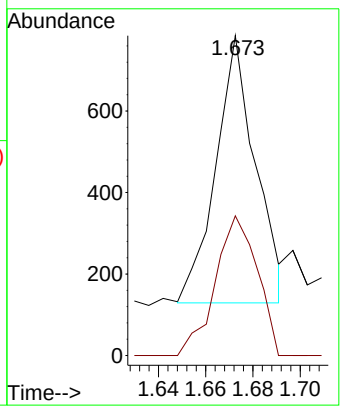




#6
Chloroethane
Concen: 0.992 ug/l m
RT: 1.673 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 76

Ion	Ratio	Lower	Upper
64	100		
66	43.7	26.7	40.1#



Instrument :
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ClientSampleId :
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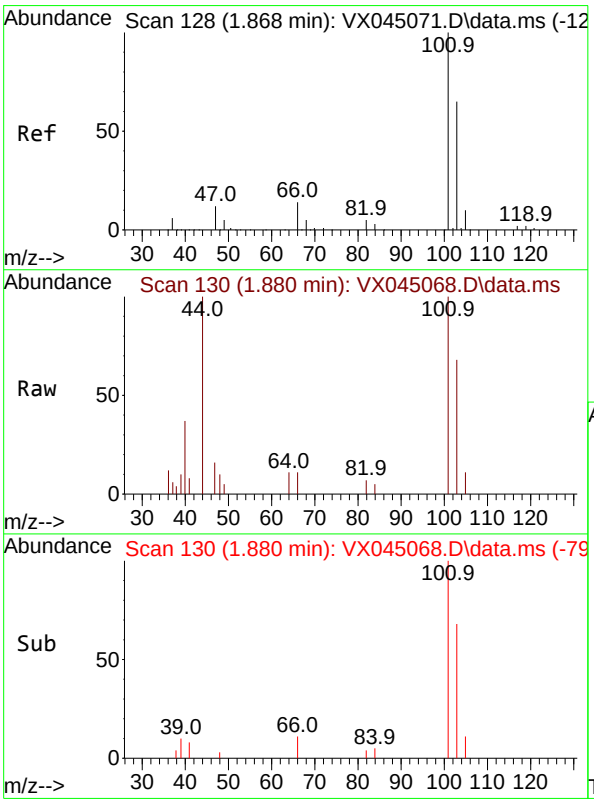
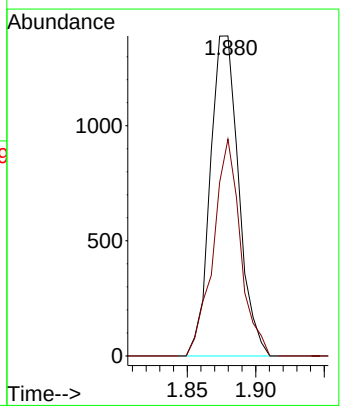
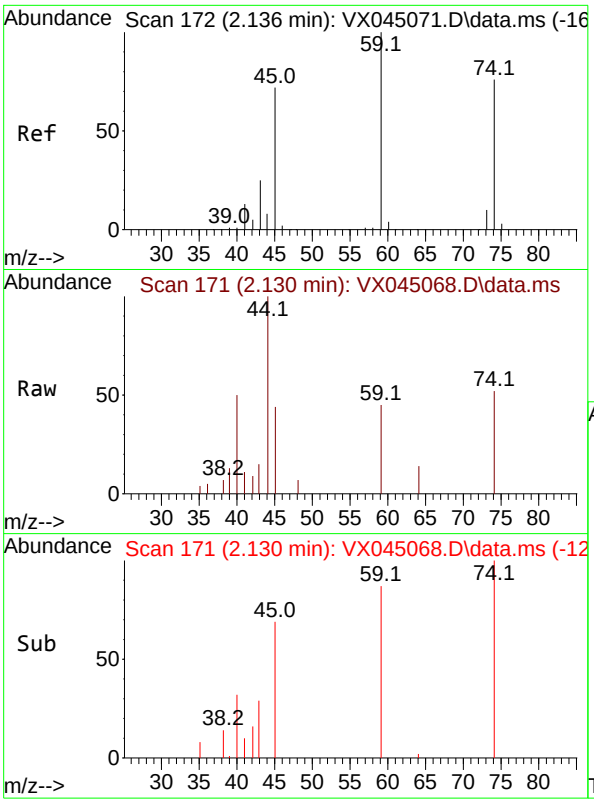


#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:101 Resp: 2011

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.1	78.1





#8
Diethyl Ether
Concen: 1.045 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 74 Resp: 83

Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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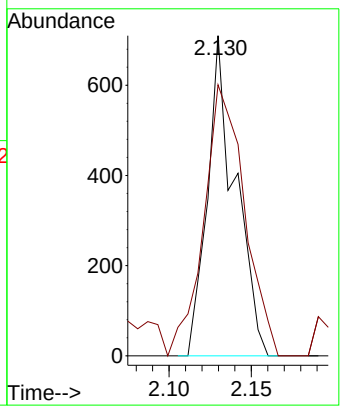
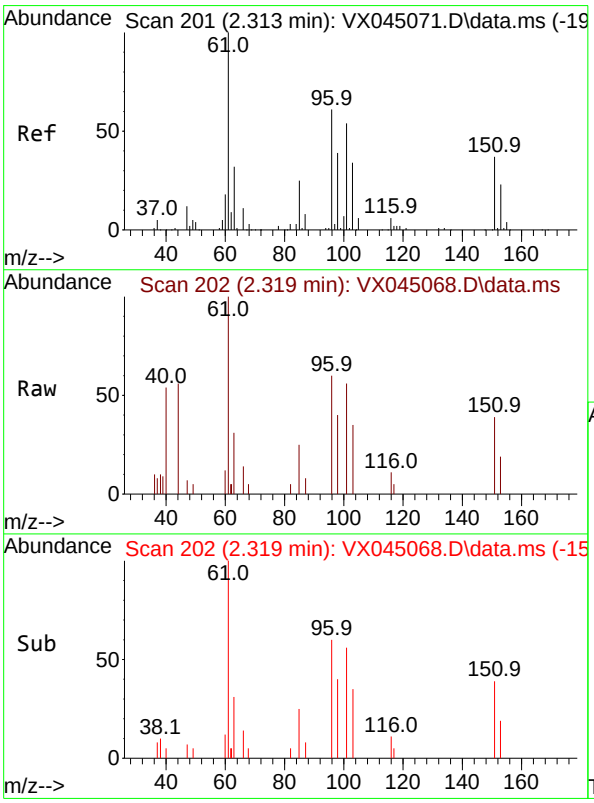
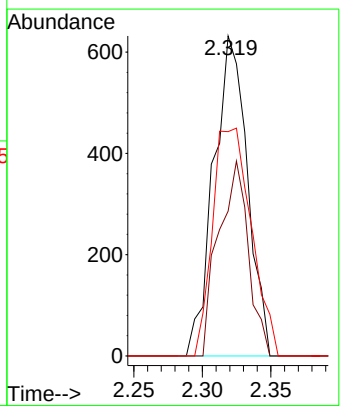


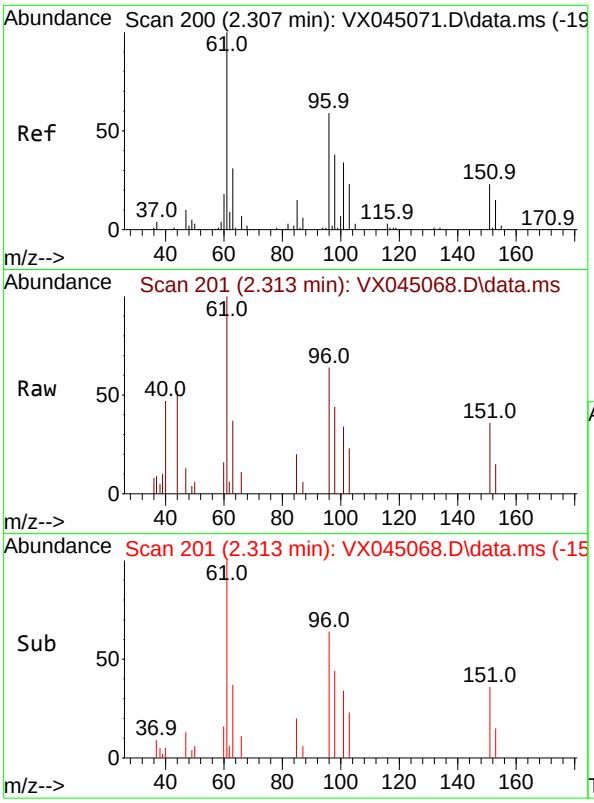


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:101 Resp: 1081

Ion	Ratio	Lower	Upper
101	100		
85	53.7	36.2	54.4
151	81.9	56.4	84.6

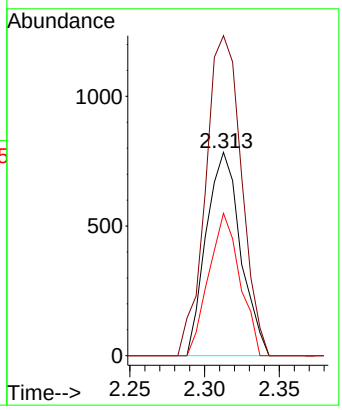




#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 125

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



Instrument :
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ClientSampleId :
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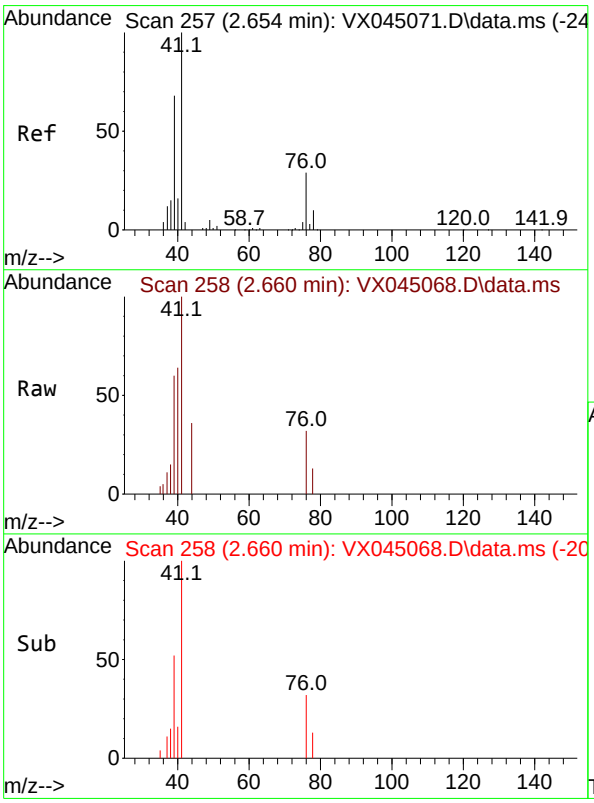
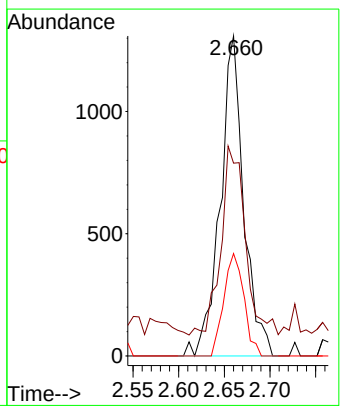
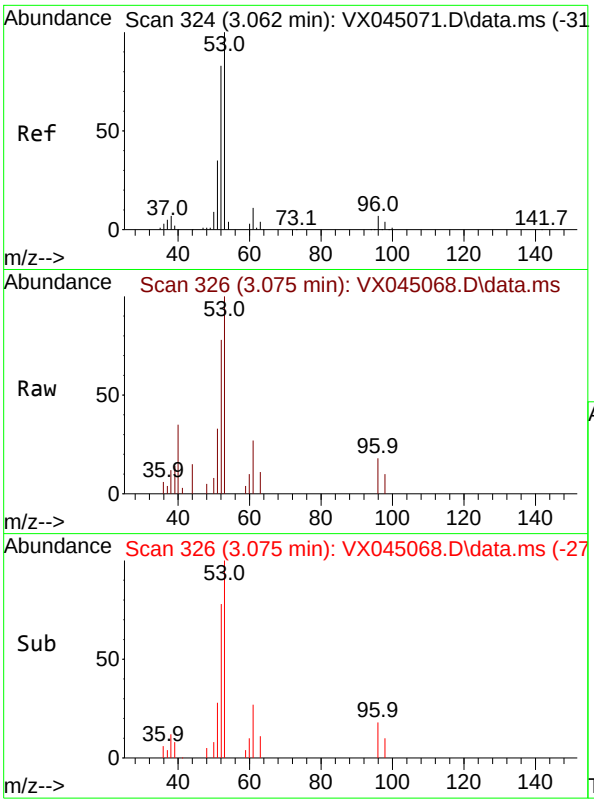


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 2343

Ion	Ratio	Lower	Upper
41	100		
39	62.3	53.8	80.8
76	27.4	25.2	37.8

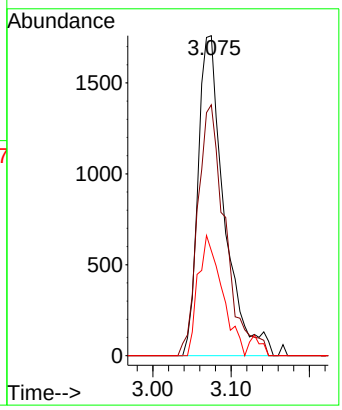




#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 53 Resp: 406

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



Instrument :
MSVOA_X
ClientSampleId :
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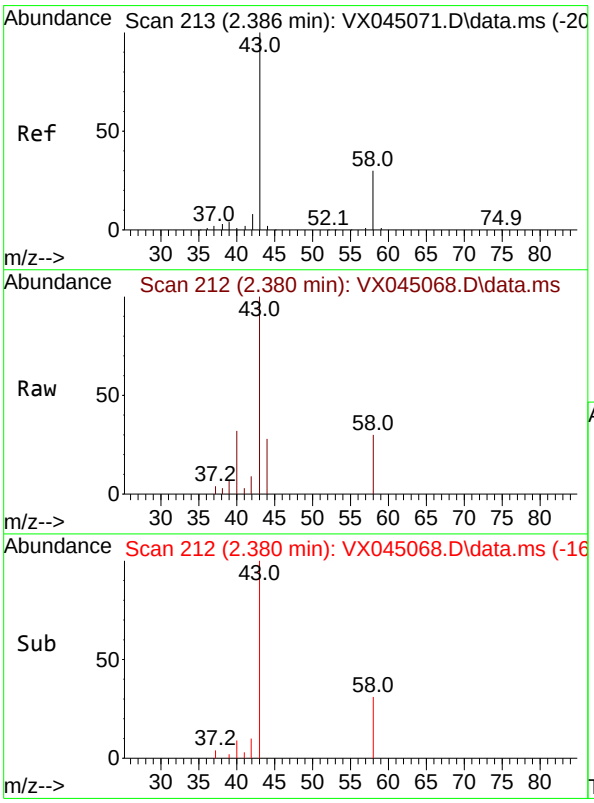
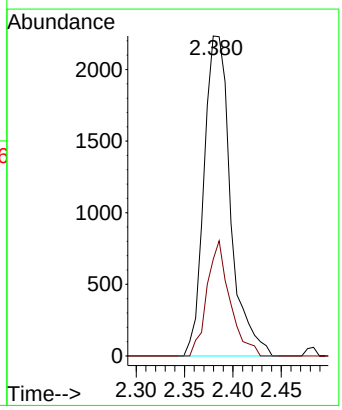
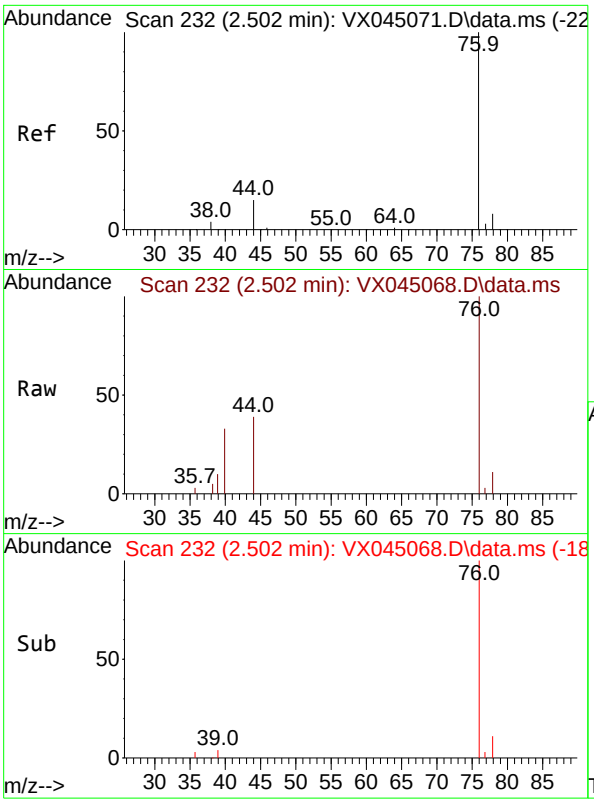


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 4259

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4

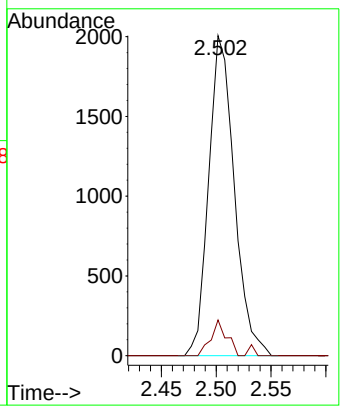




#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 76 Resp: 325

Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8



Instrument :
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ClientSampleId :
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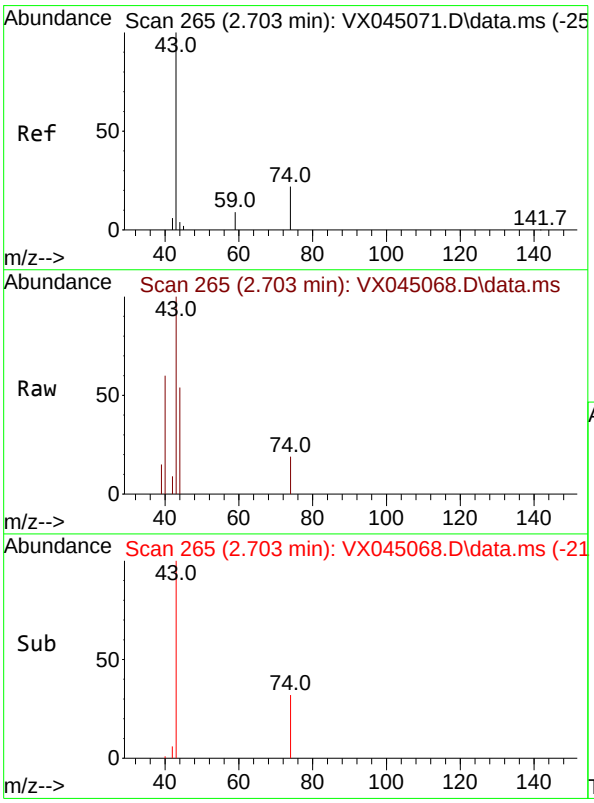
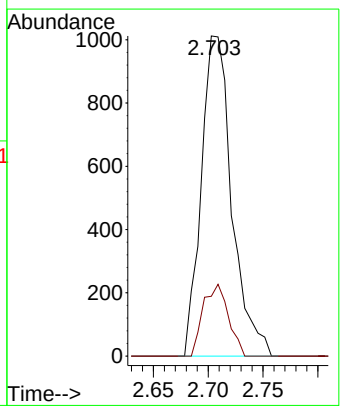
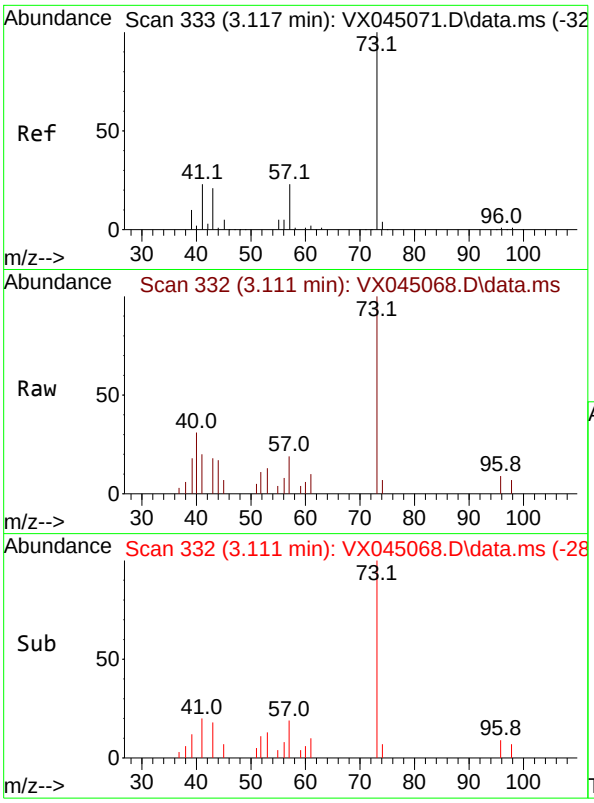


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2

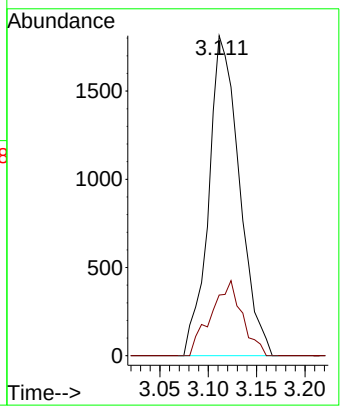




#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 73 Resp: 401

Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7



Instrument :
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ClientSampleId :
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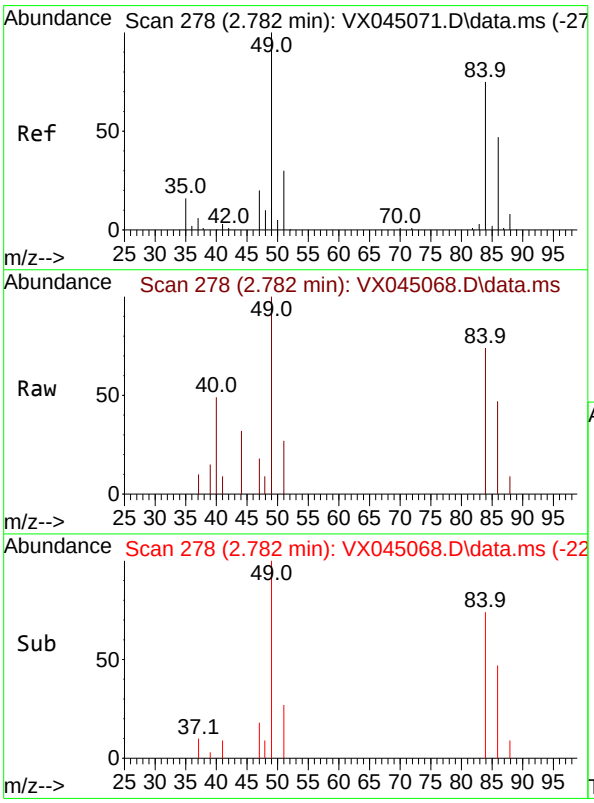
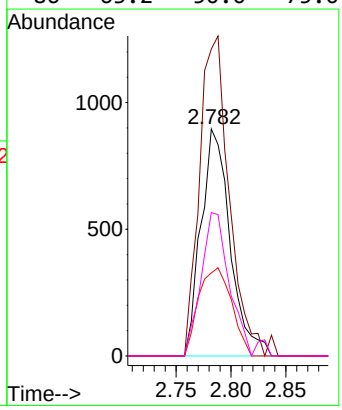
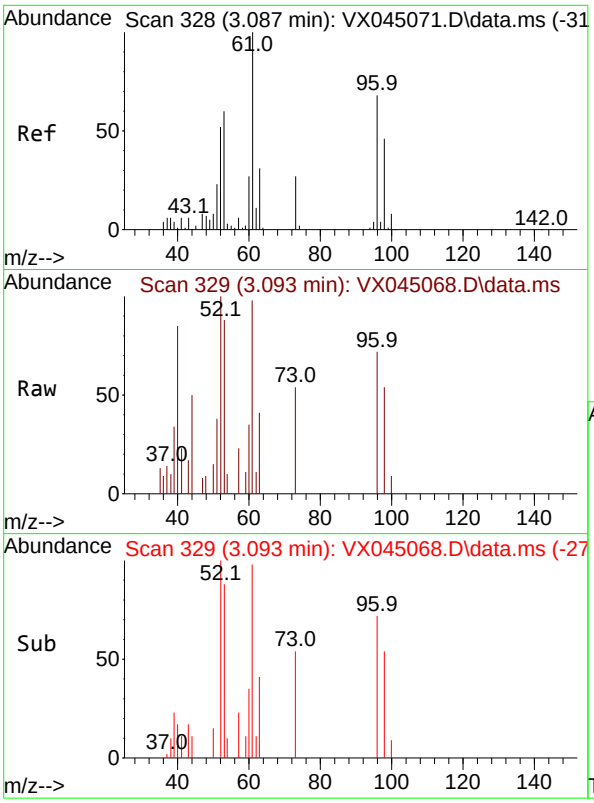


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 84 Resp: 1656

Ion	Ratio	Lower	Upper
84	100		
49	135.2	106.5	159.7
51	36.6	32.1	48.1
86	63.2	50.0	75.0

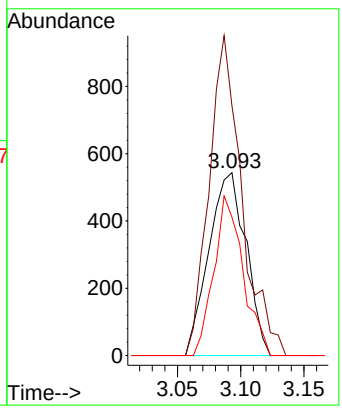




#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 110

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



Instrument :
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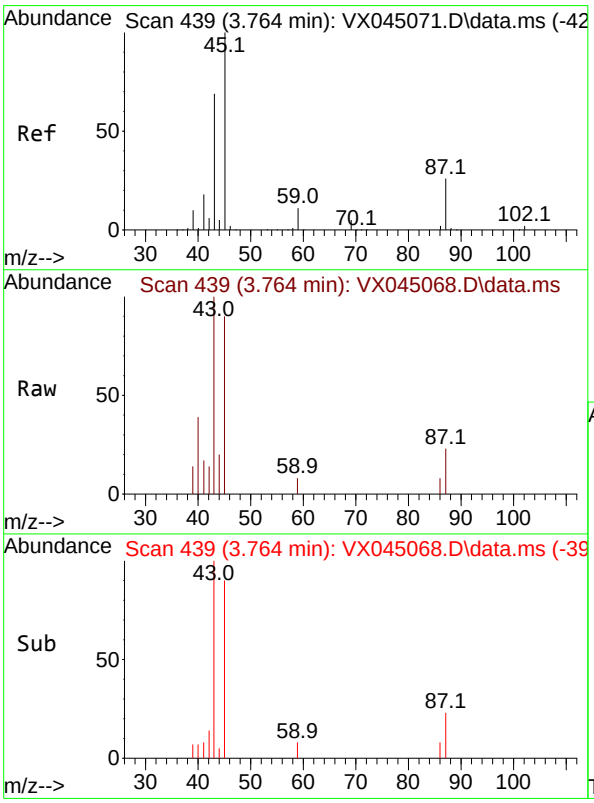
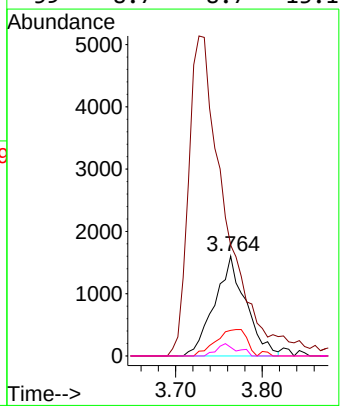
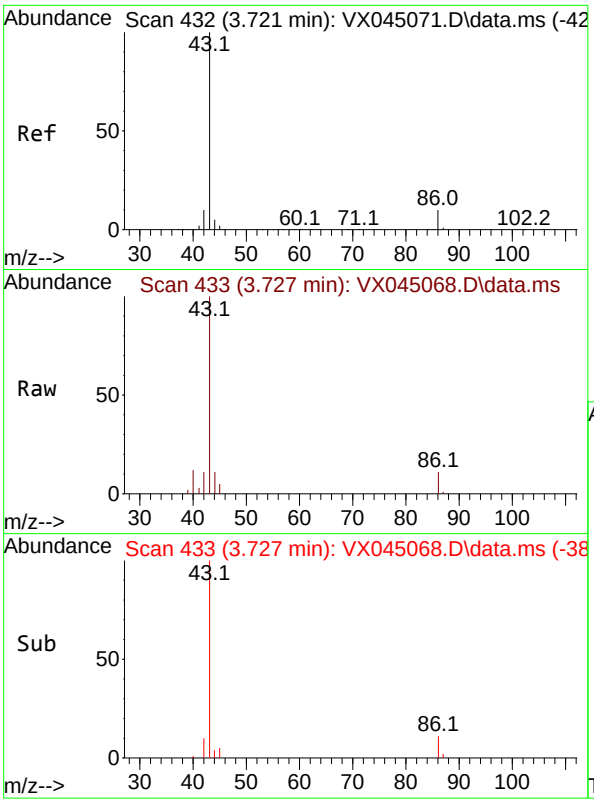


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 45 Resp: 4026

Ion	Ratio	Lower	Upper
45	100		
43	91.9	54.9	82.3#
87	25.6	21.0	31.4
59	8.7	8.7	13.1





#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1527

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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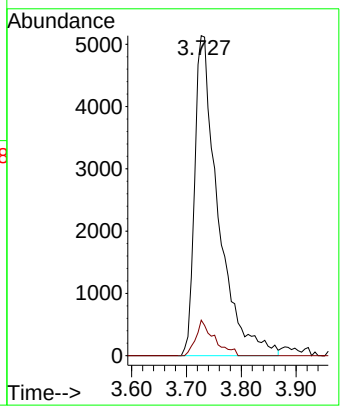
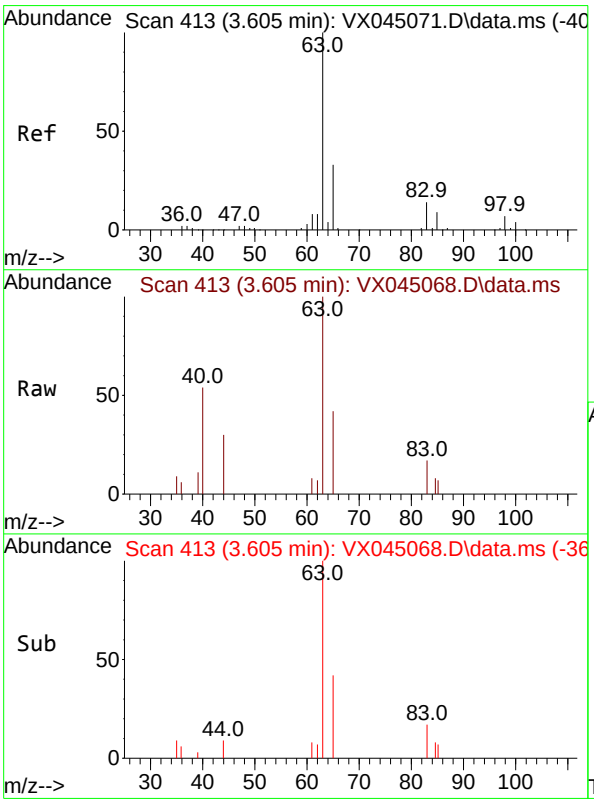
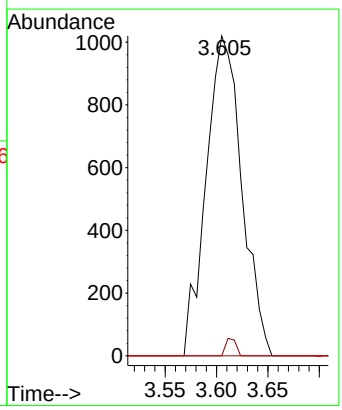


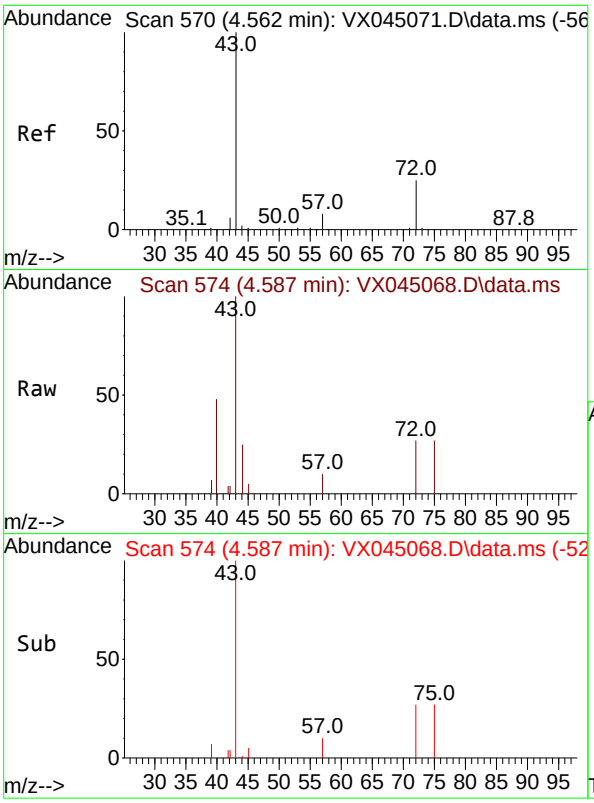


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 2467

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#





#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 489

Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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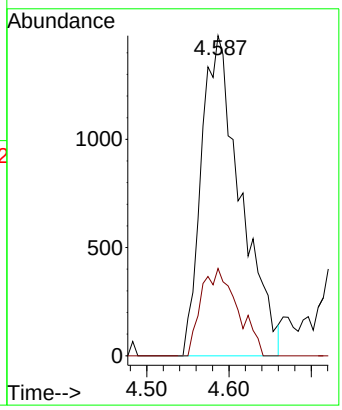
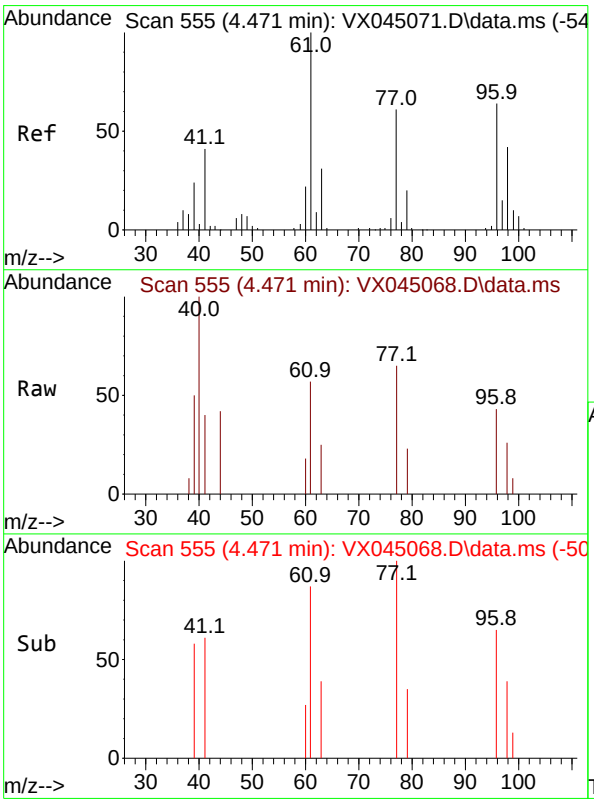
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

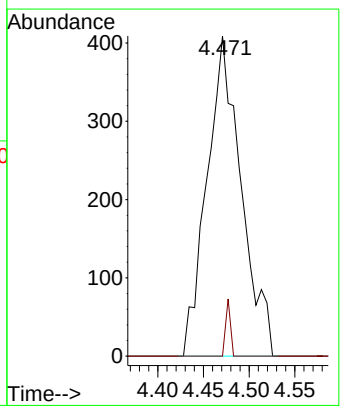


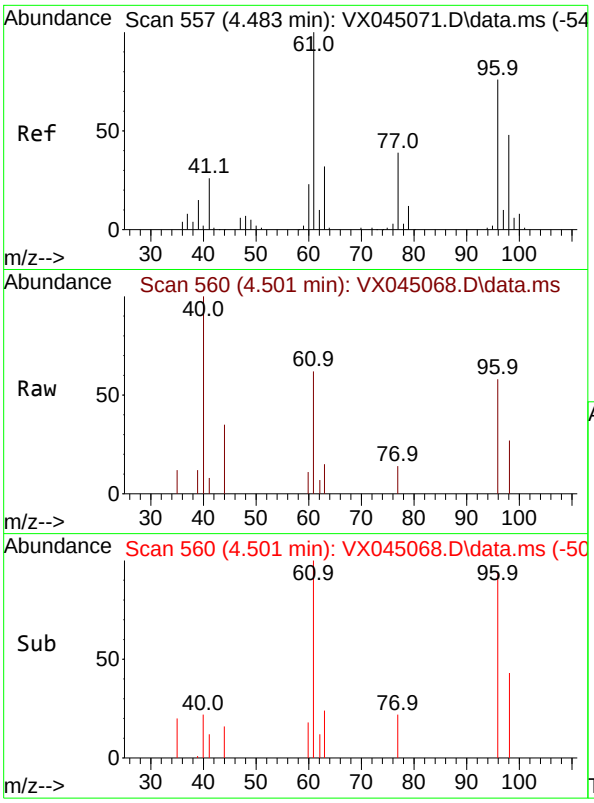


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 77 Resp: 1066

Ion	Ratio	Lower	Upper
77	100		
97	2.5	12.4	37.0#

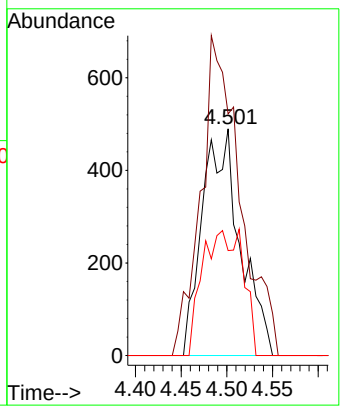




#27
cis-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 141

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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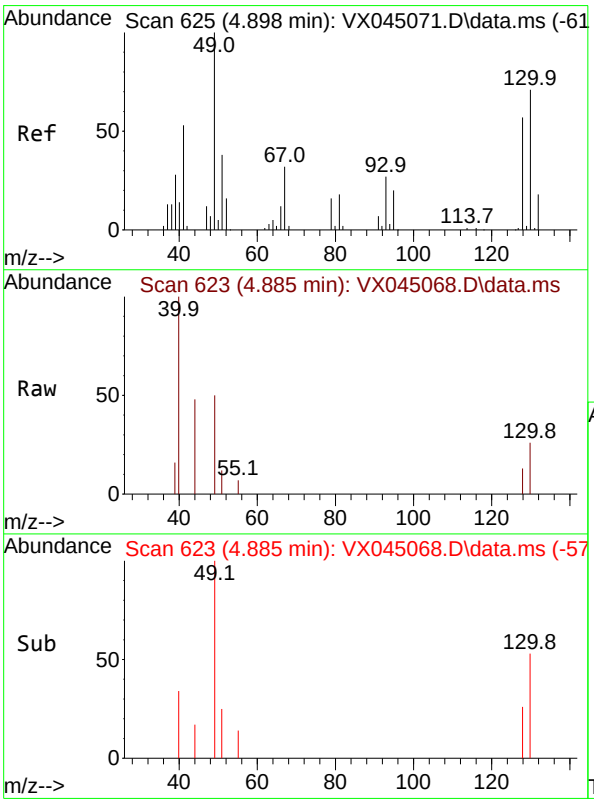
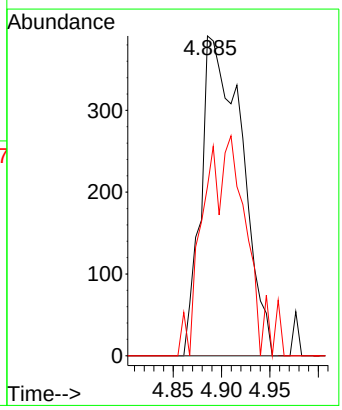
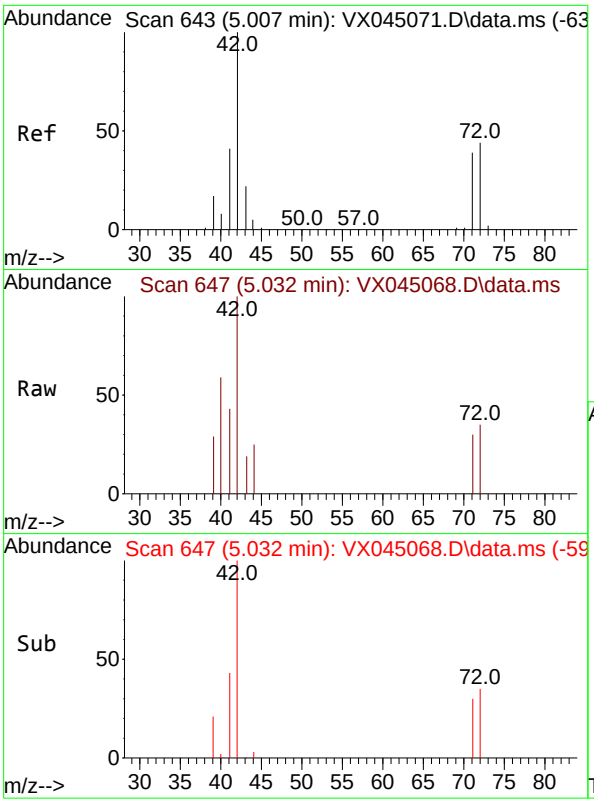


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 49 Resp: 1144

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	31.5	56.1	84.1#

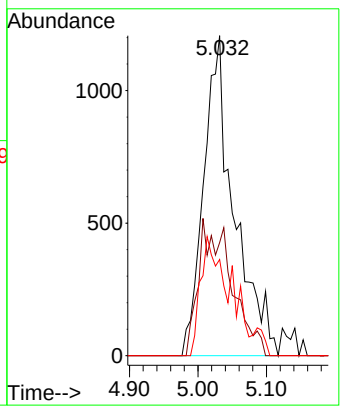




#29
Tetrahydrofuran
Concen: 4.809 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 42 Resp: 3719

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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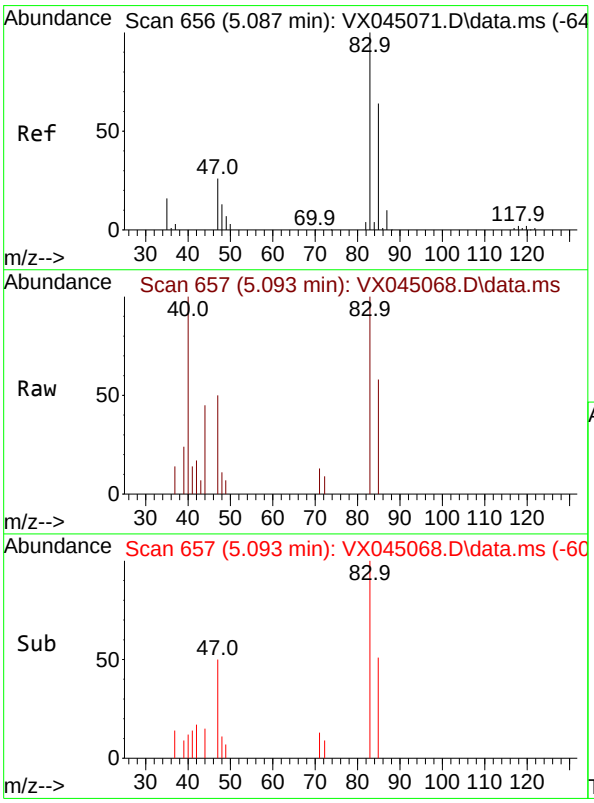
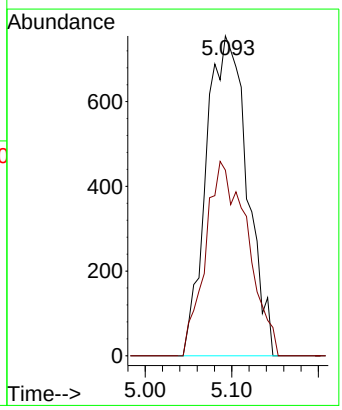
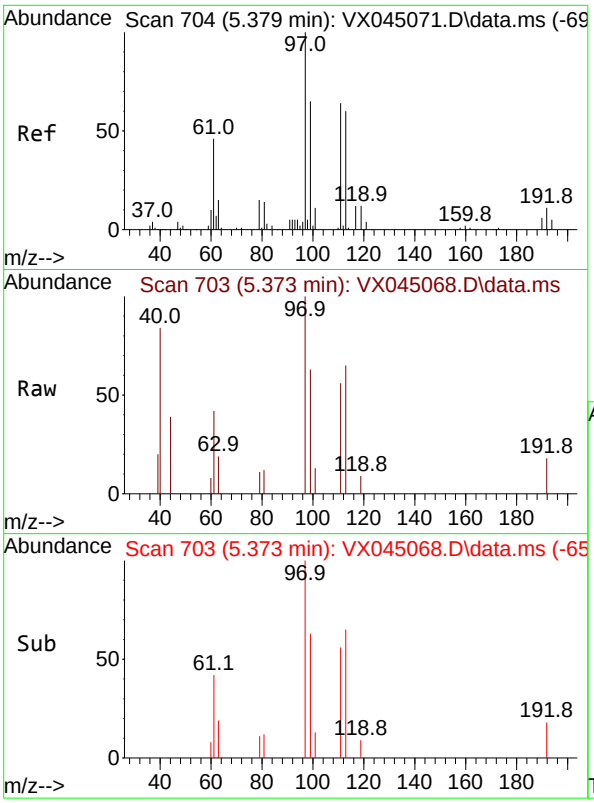


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 2478

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.2





#32
1,1,1-Trichloroethane
Concen: 0.893 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 186

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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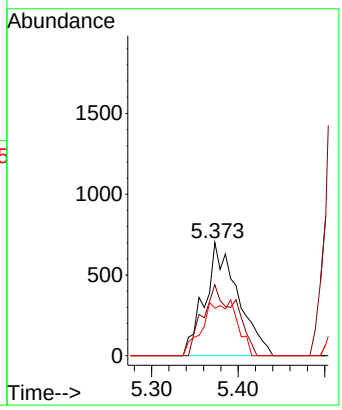
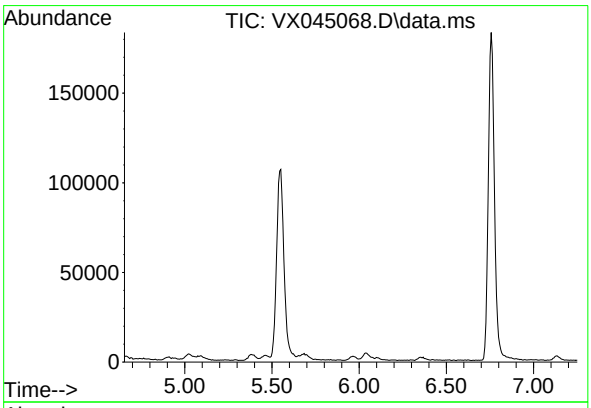


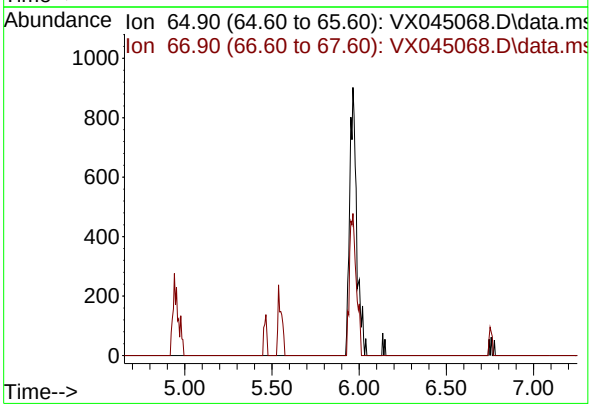


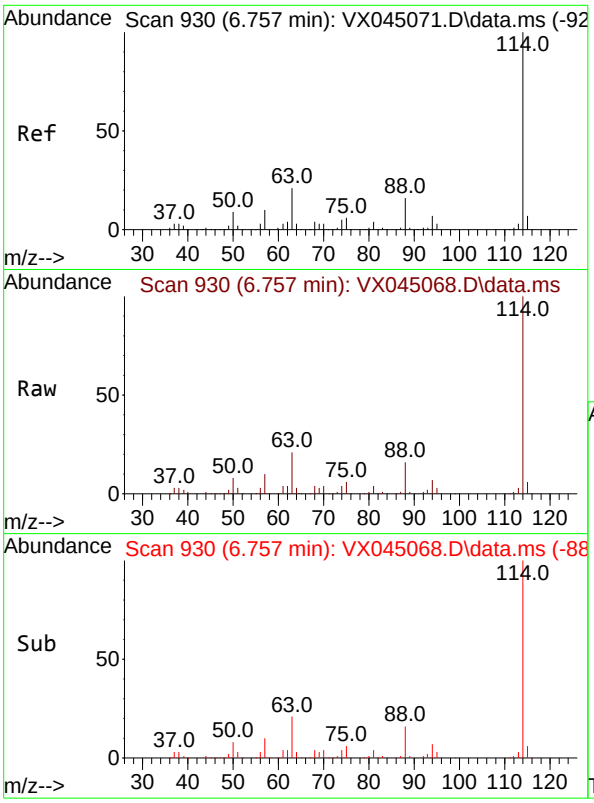
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

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

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	53.1

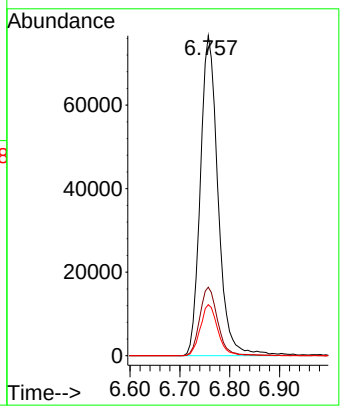




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:114 Resp: 18864

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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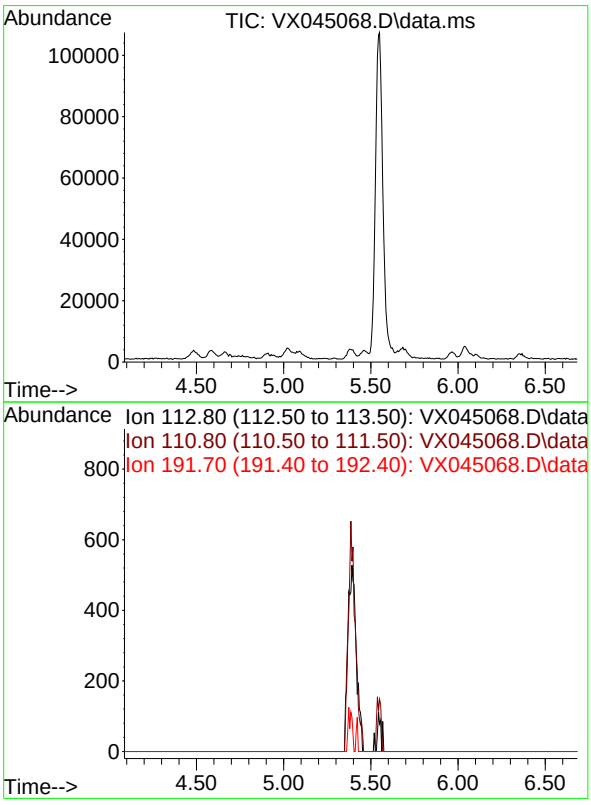
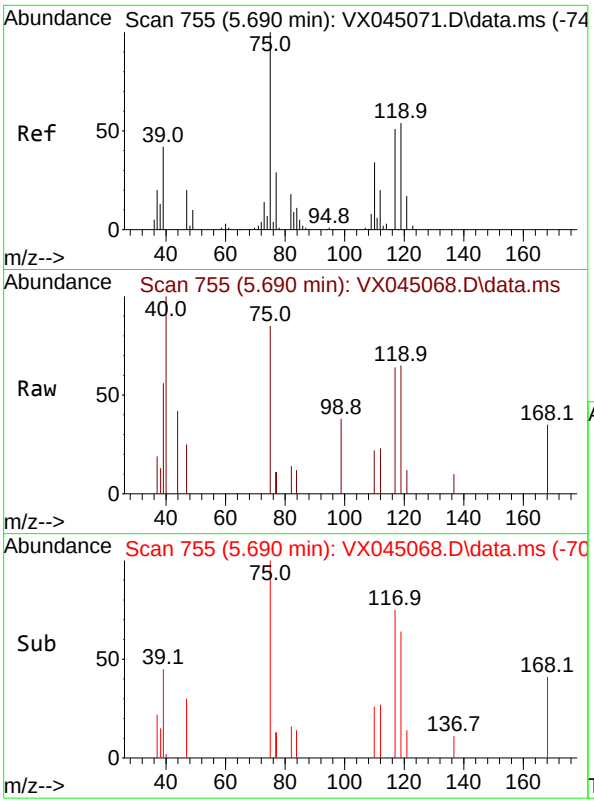


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.39 min

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

Tgt Ion: 113

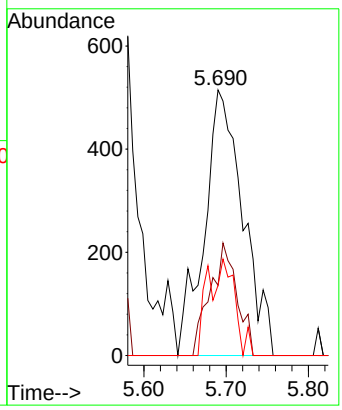
Sig	Exp Ratio
113	100
111	102.2
192	17.9



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

Tgt Ion: 75 Resp: 168

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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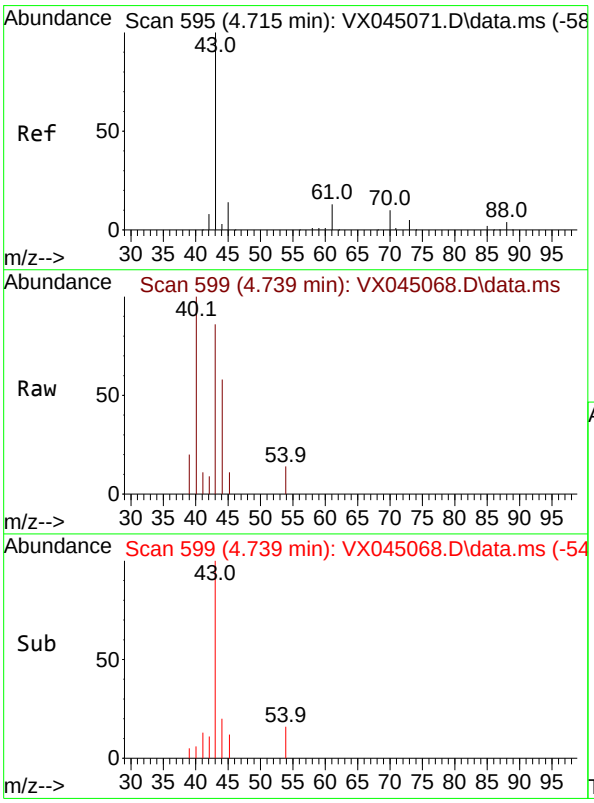
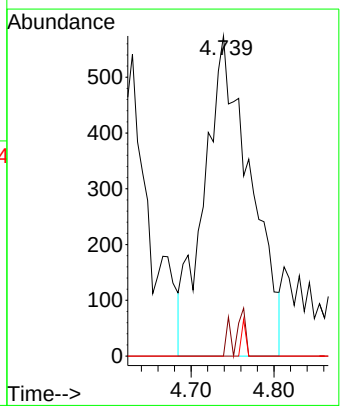
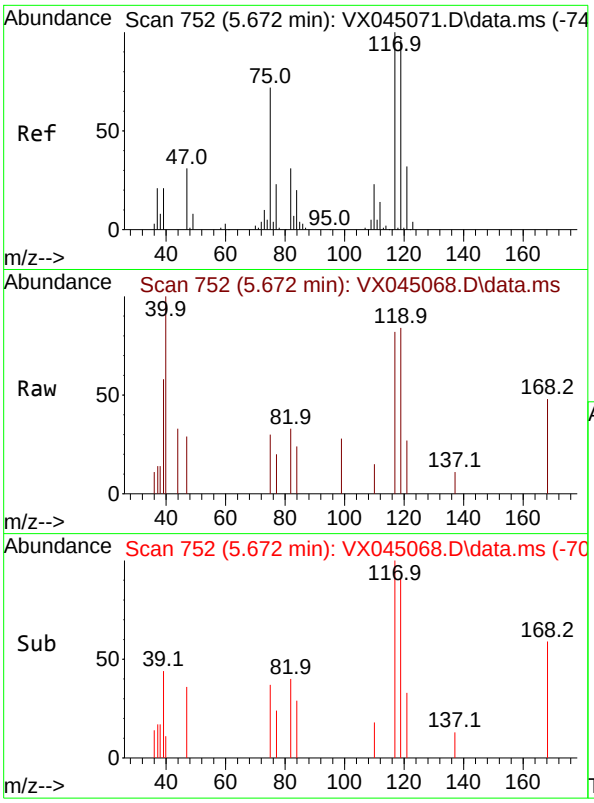


#37
Ethyl Acetate
Concen: 0.988 ug/l m
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 2223

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.7	11.5#

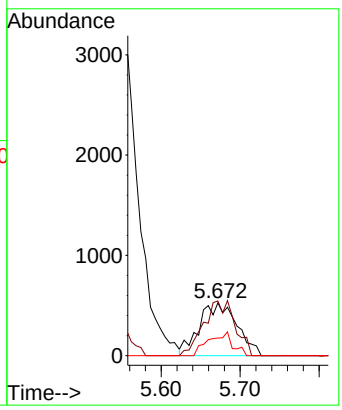




#38
Carbon Tetrachloride
Concen: 0.987 ug/l m
RT: 5.672 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 174

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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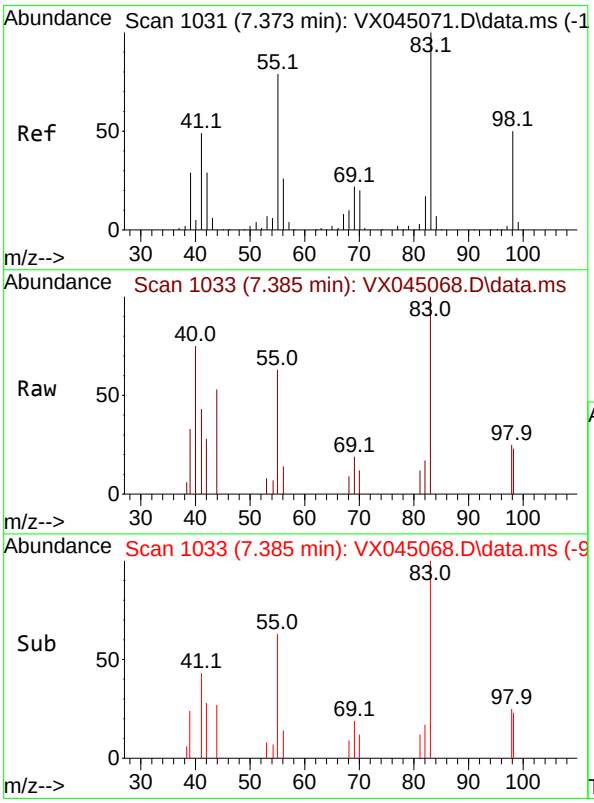
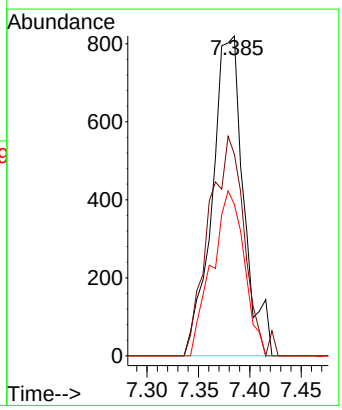
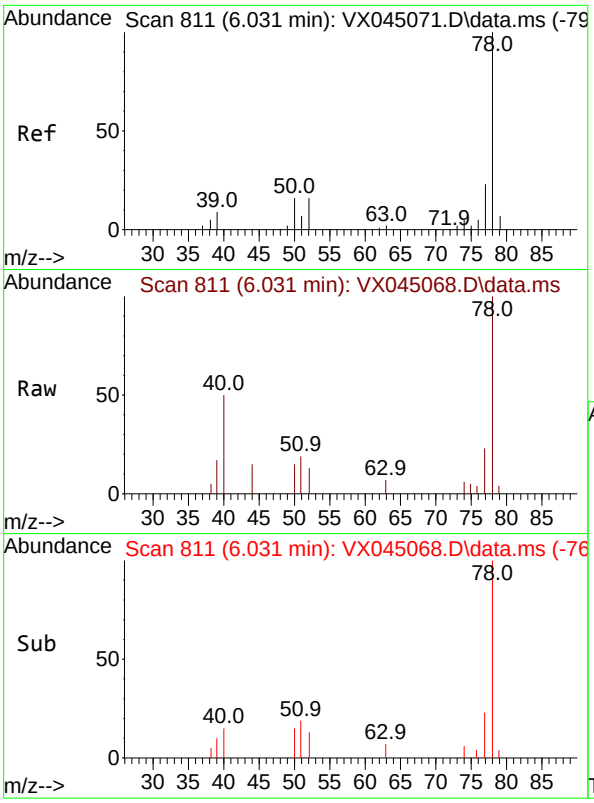


#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1750

Ion	Ratio	Lower	Upper
83	100		
55	63.0	63.0	94.4
98	47.3	39.7	59.5

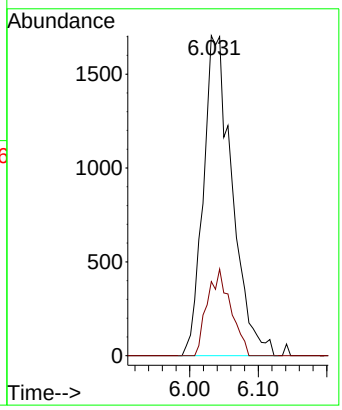




#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 498

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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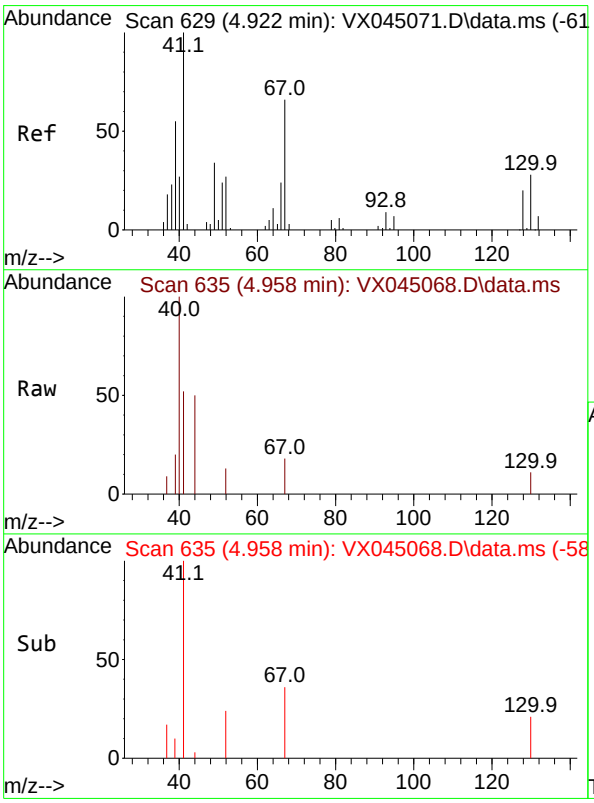
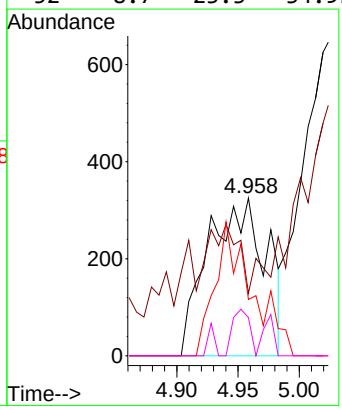
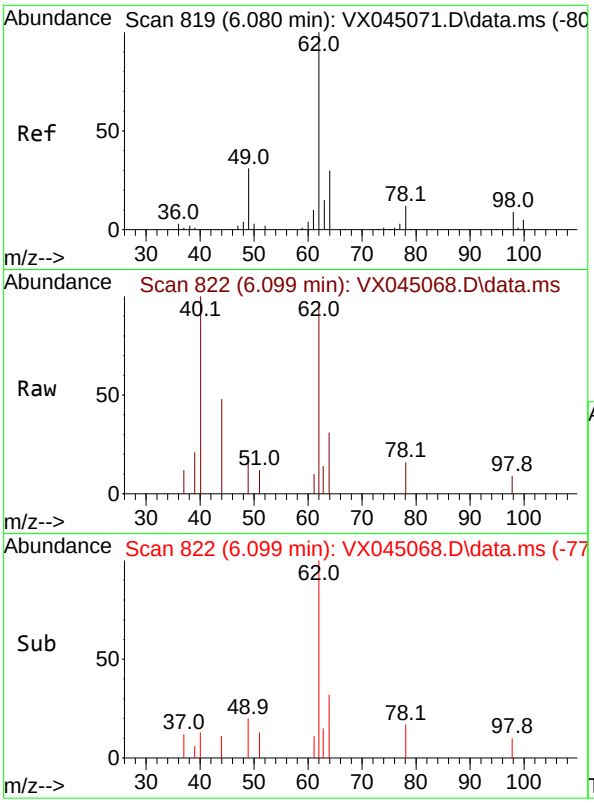


#41
Methacrylonitrile
Concen: 0.879 ug/l m
RT: 4.958 min Scan# 635
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 1072

Ion	Ratio	Lower	Upper
41	100		
39	29.2	44.6	67.0#
67	53.9	53.9	80.9#
52	8.7	23.3	34.9#

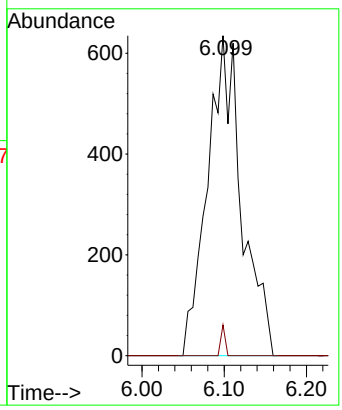




#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 183

Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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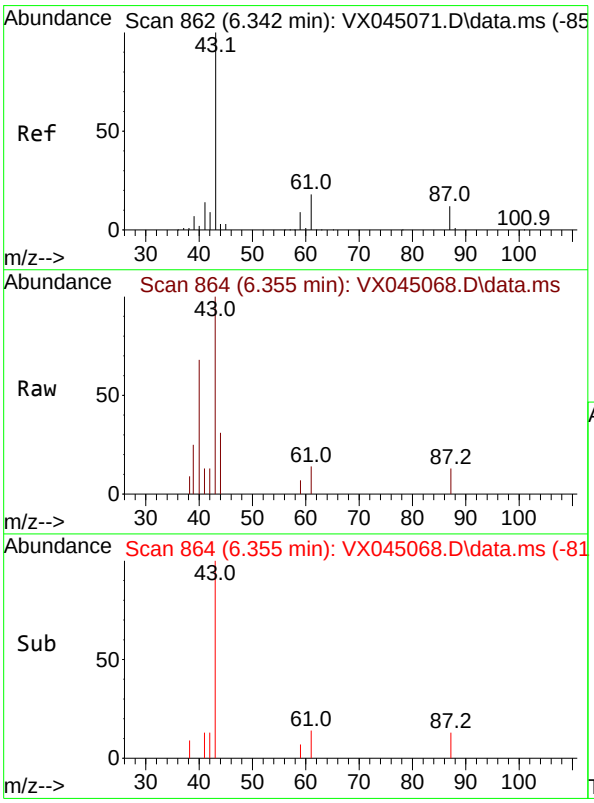
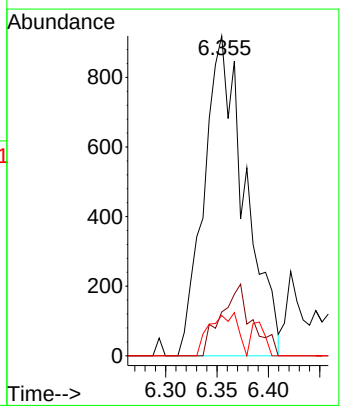
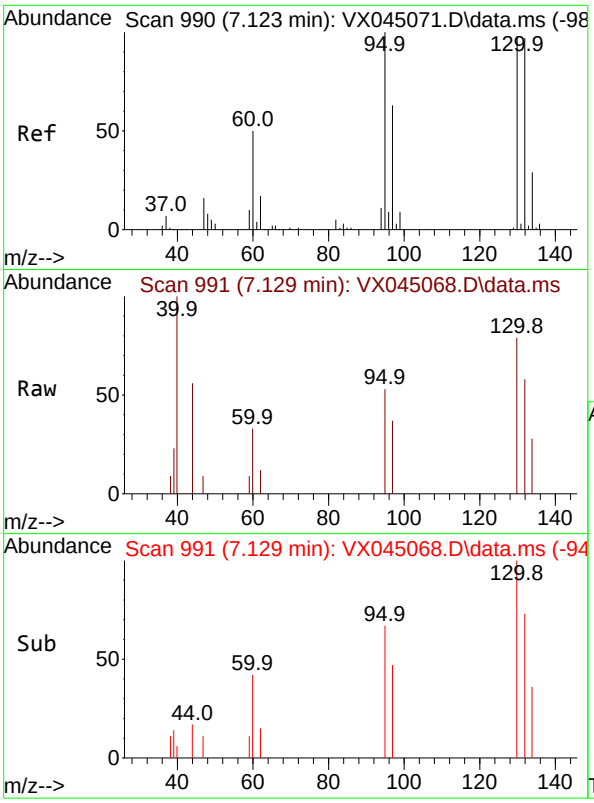


#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 2545

Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.9	22.3
87	9.2	9.4	14.2#

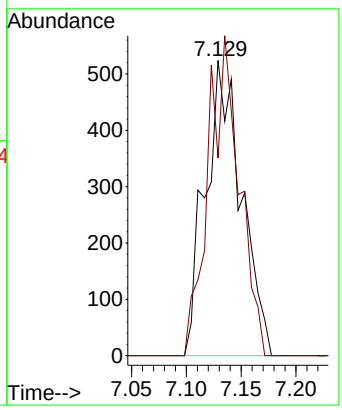




#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:130 Resp: 120

Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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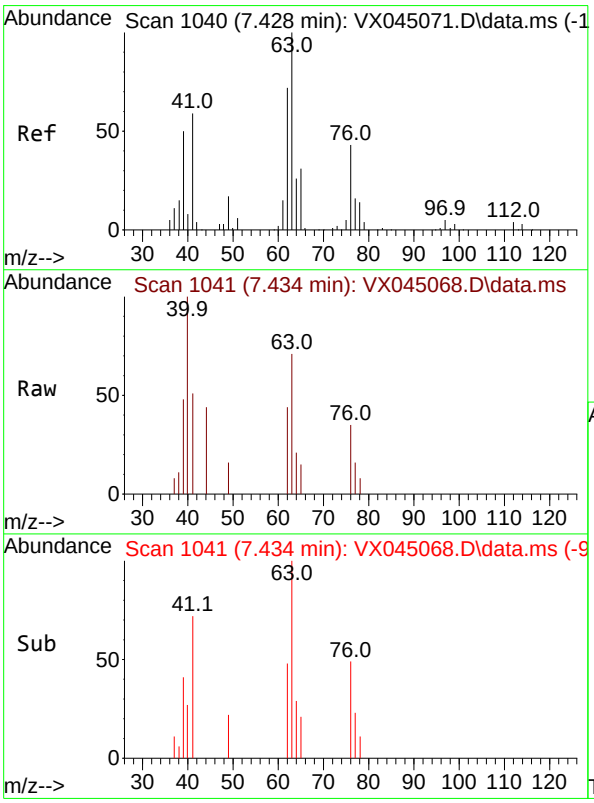
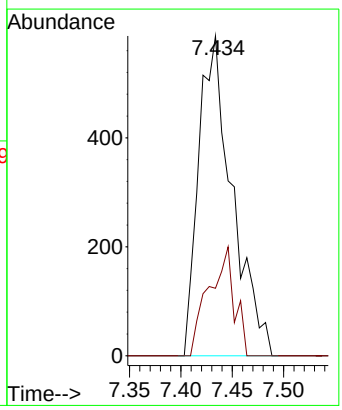
Supervised By :Mahesh Dadoda 02/28/2025

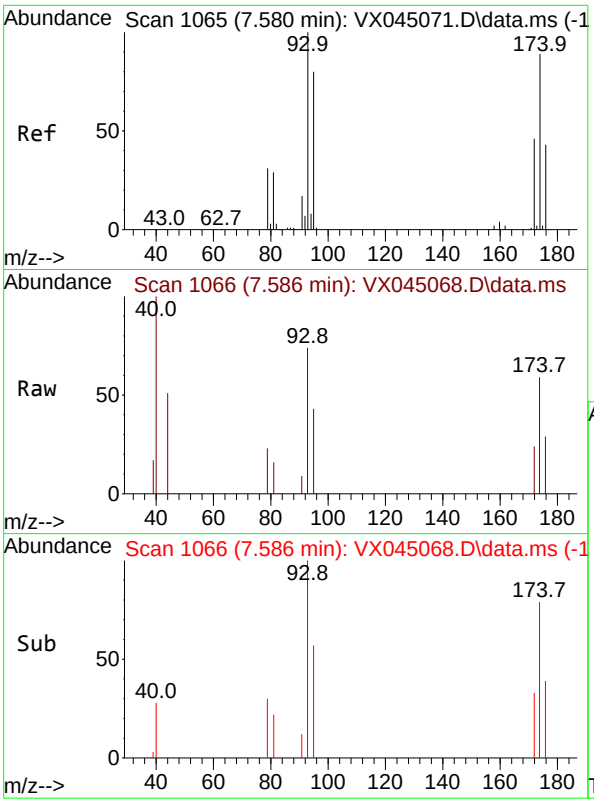


#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

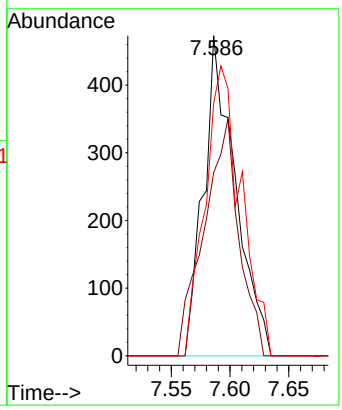




#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 93 Resp: 89

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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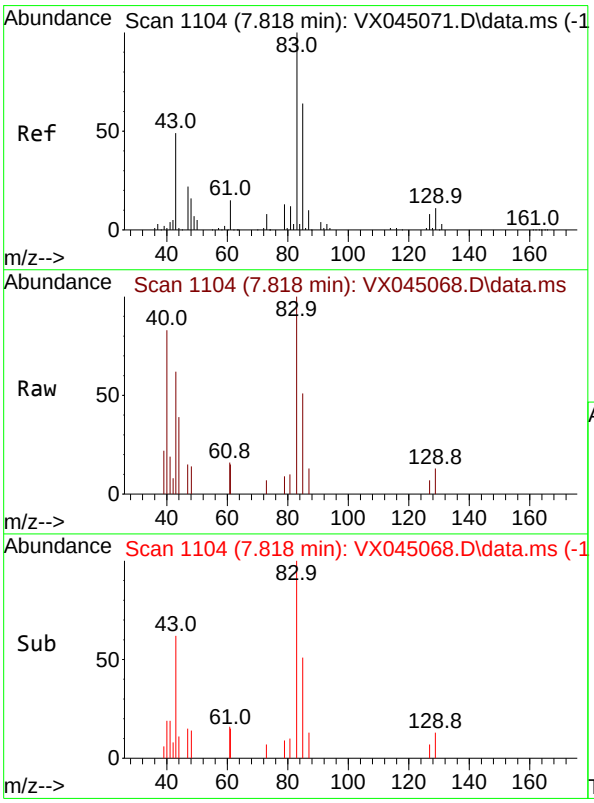
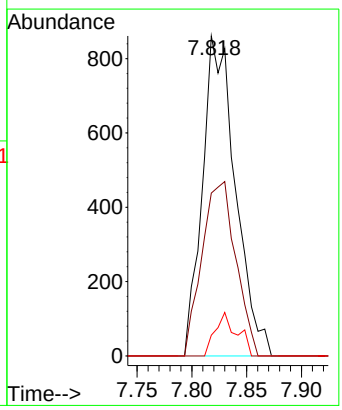
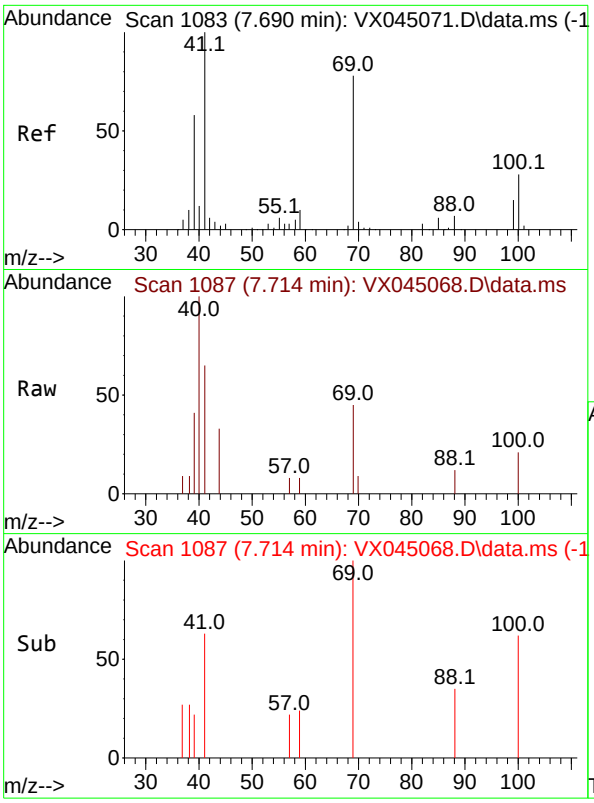


#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1802

Ion	Ratio	Lower	Upper
83	100		
85	50.9	51.1	76.7#
127	6.5	6.4	9.6

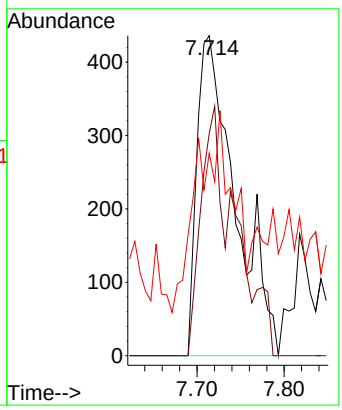




#48
Methyl methacrylate
Concen: 0.825 ug/l m
RT: 7.714 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 132

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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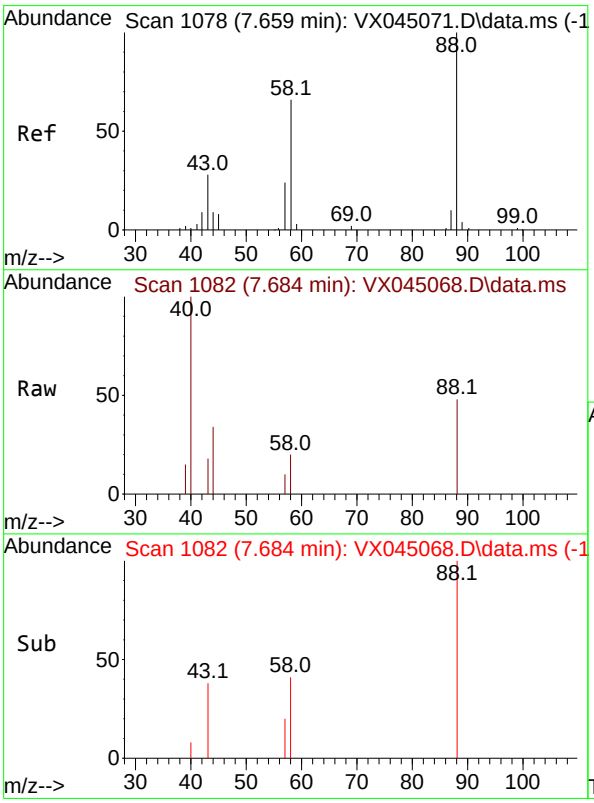
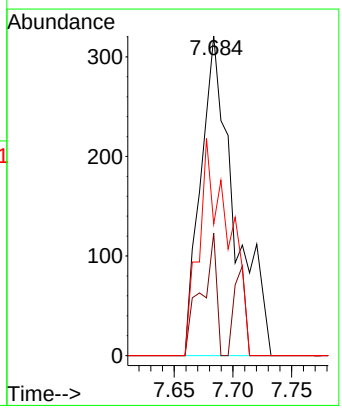
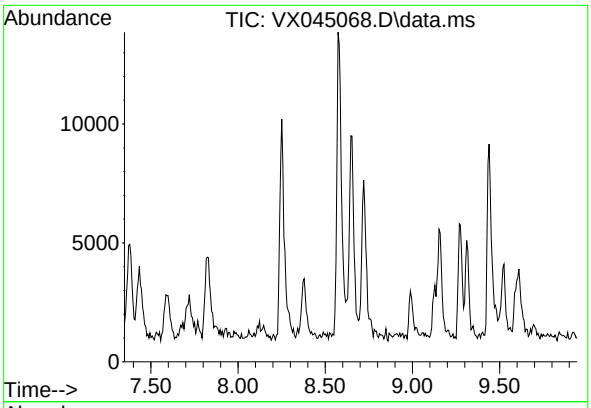


#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 88 Resp: 639

Ion	Ratio	Lower	Upper
88	100		
43	17.2	28.7	43.1#
58	59.9	55.8	83.8





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

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

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	65.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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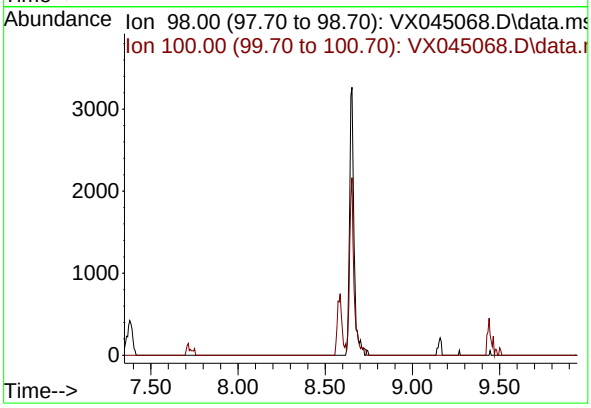
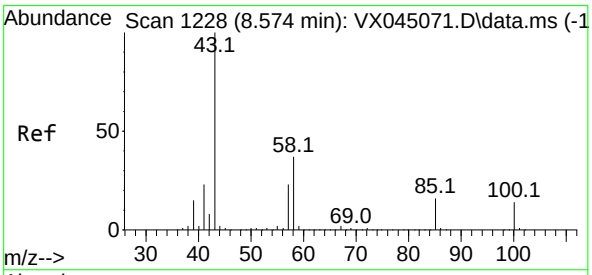
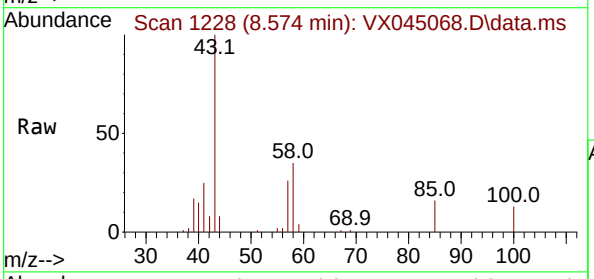


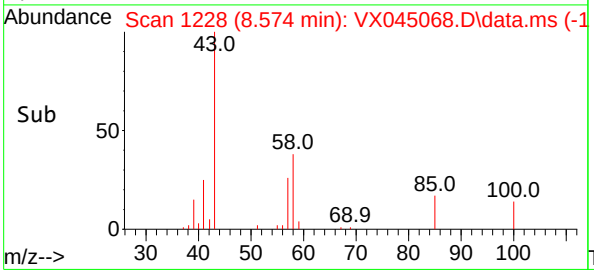


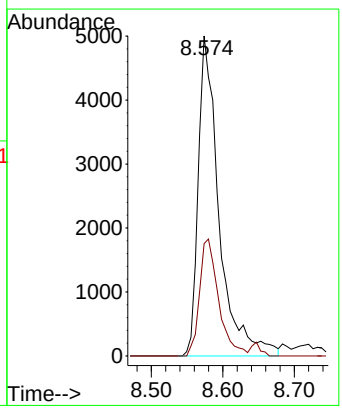
#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

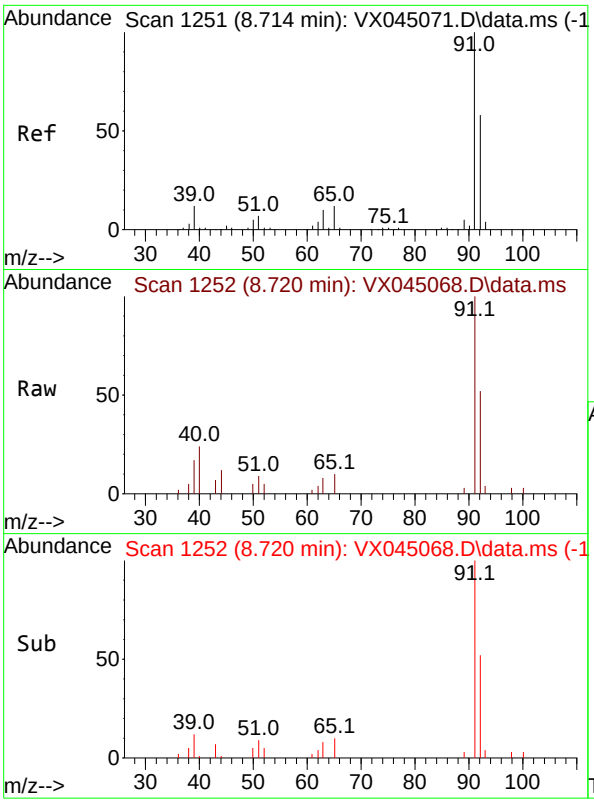
Tgt Ion: 43 Resp: 10091

Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.2	43.8





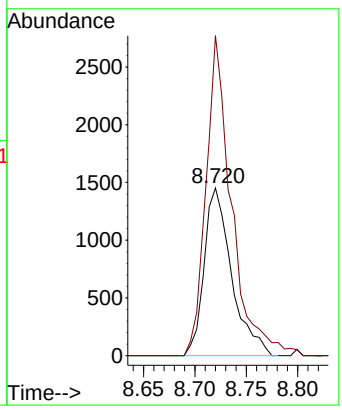




#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 92 Resp: 270

Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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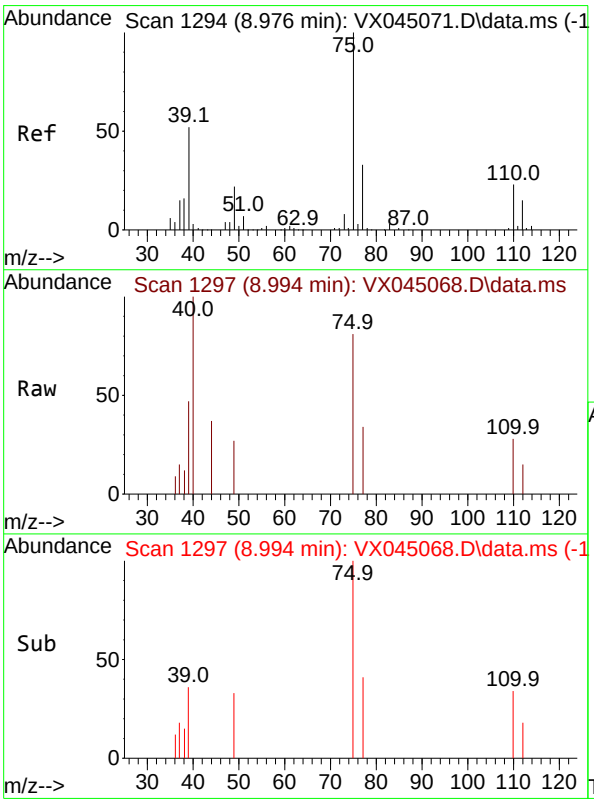
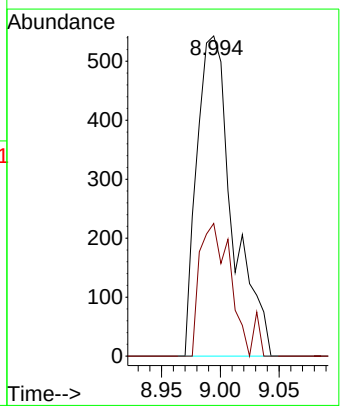
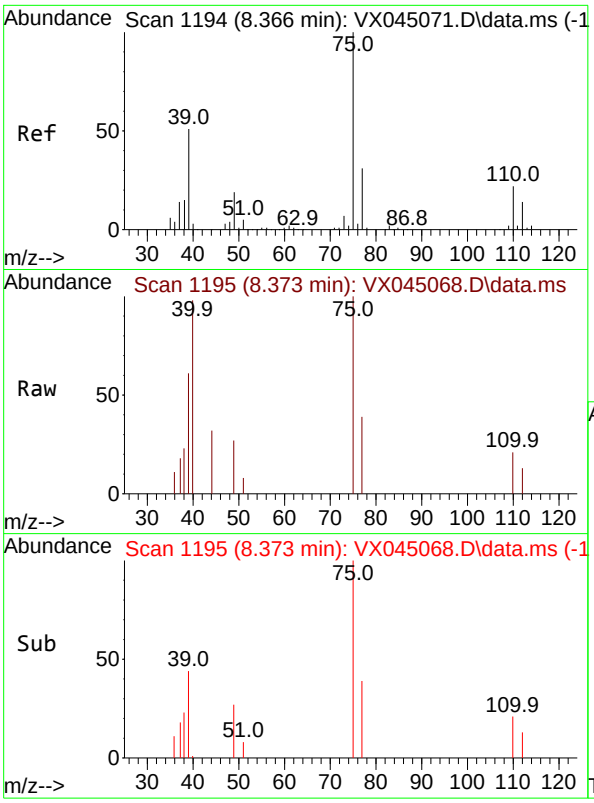


#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

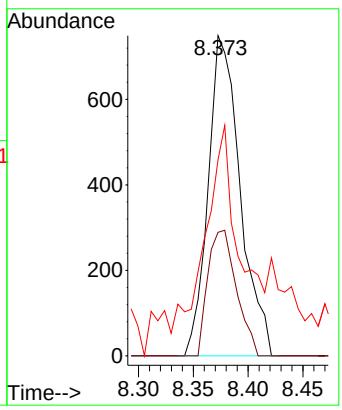




#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 152

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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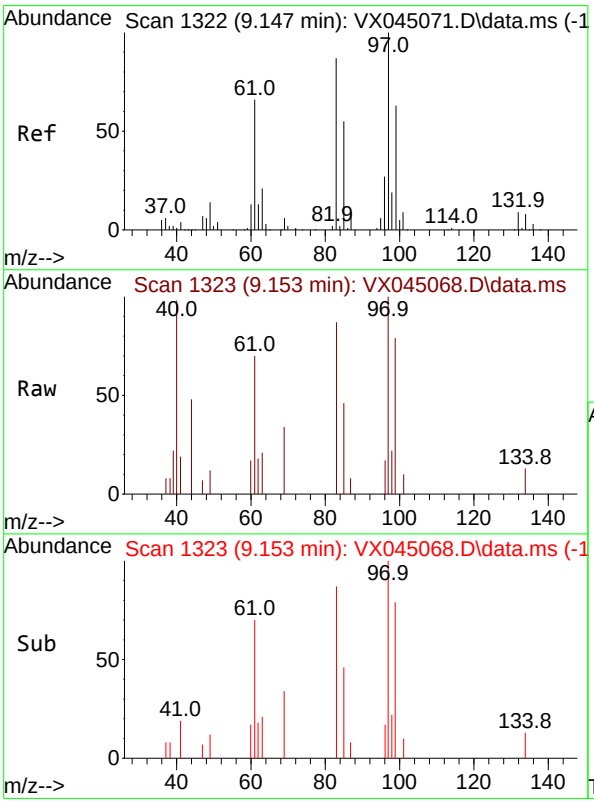
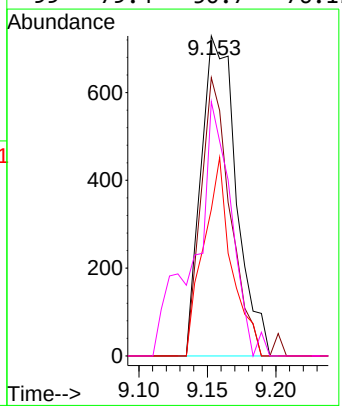
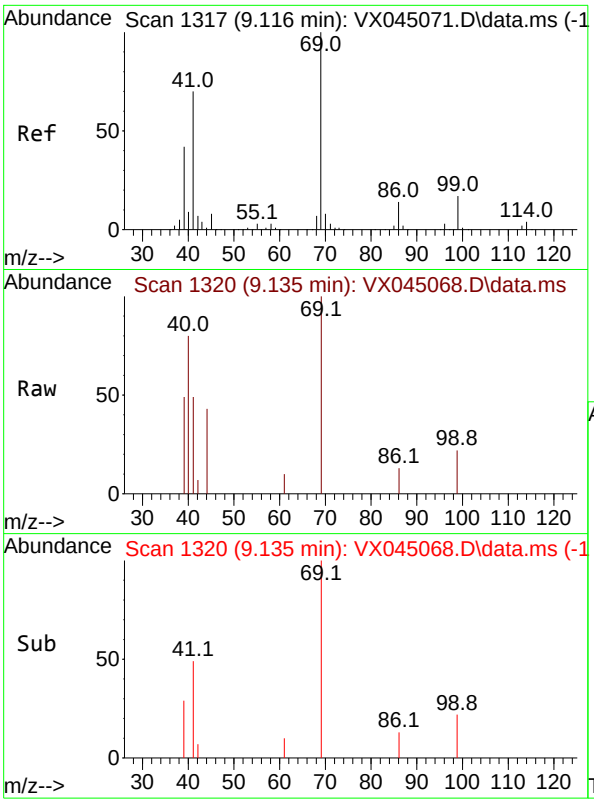


#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 1306

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.2
85	45.8	44.1	66.1
99	79.4	50.7	76.1#

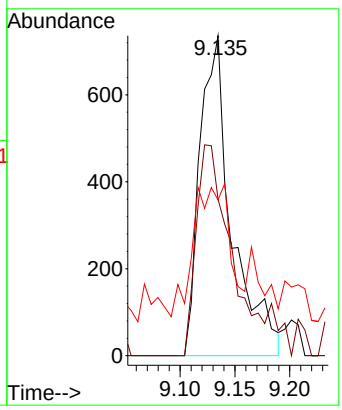




#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 69 Resp: 149

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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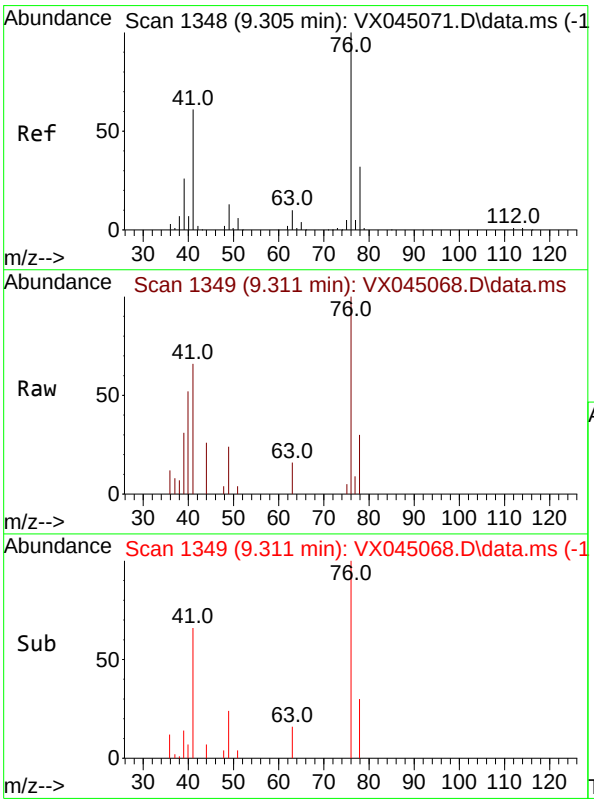
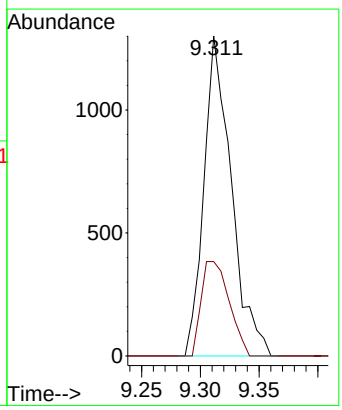
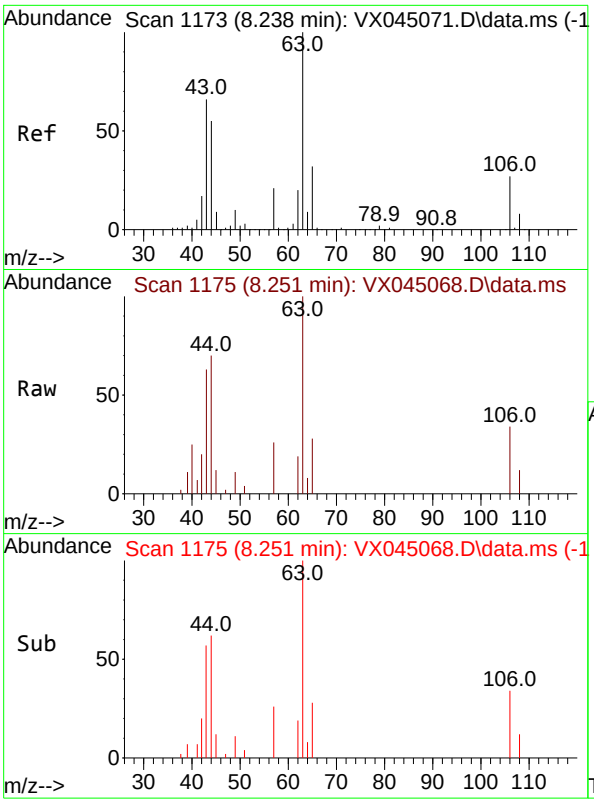


#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 76 Resp: 2112

Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.5	38.3

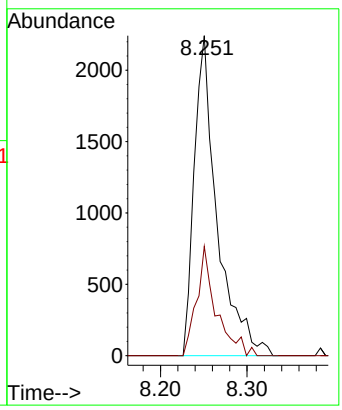




#58
2-Chloroethyl Vinyl ether
Concen: 4.320 ug/l
RT: 8.251 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 411

Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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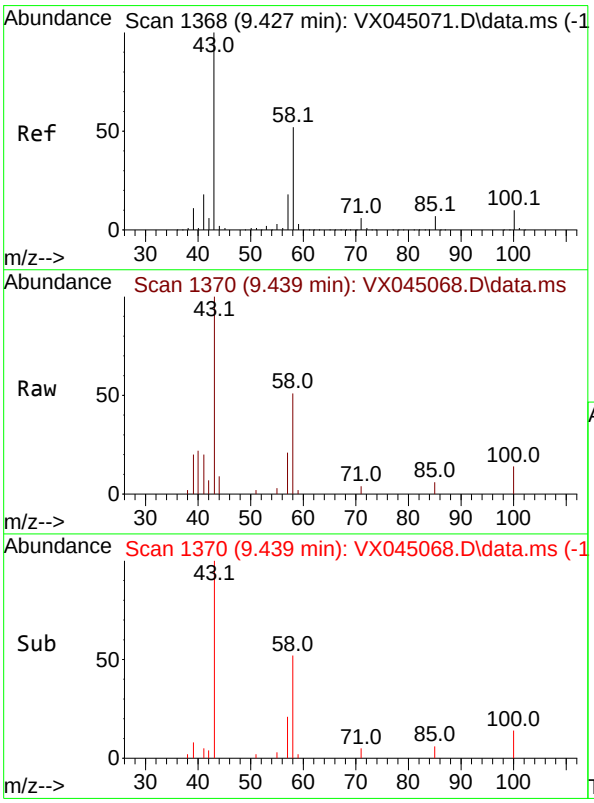
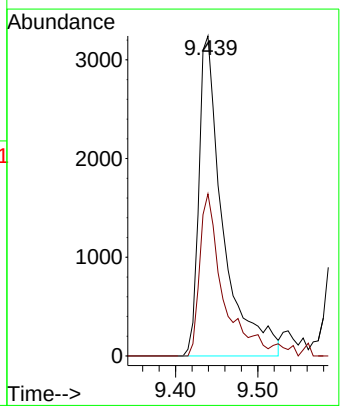
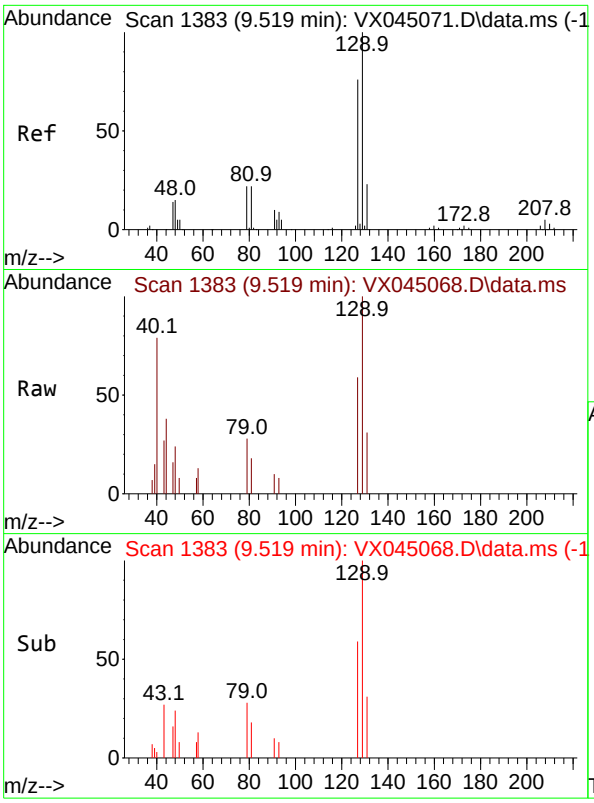


#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

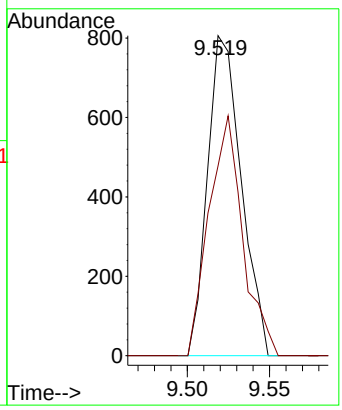




#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 115

Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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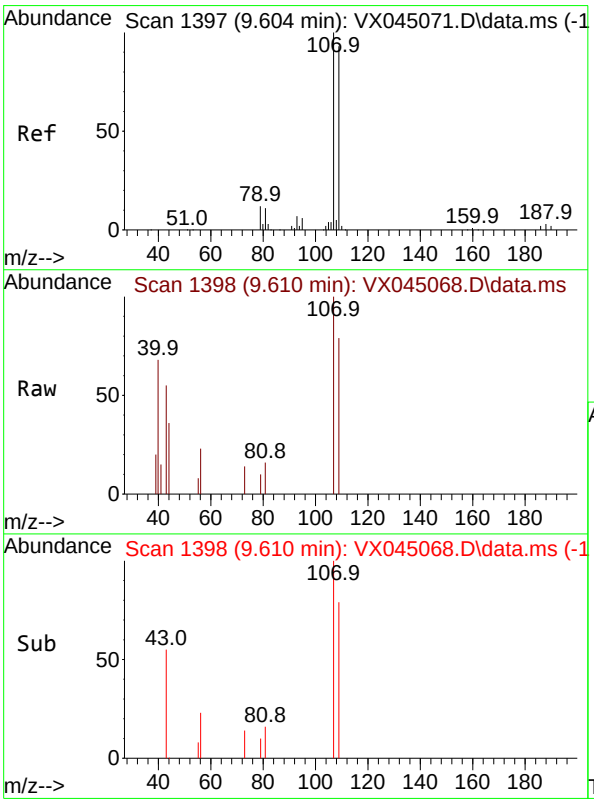
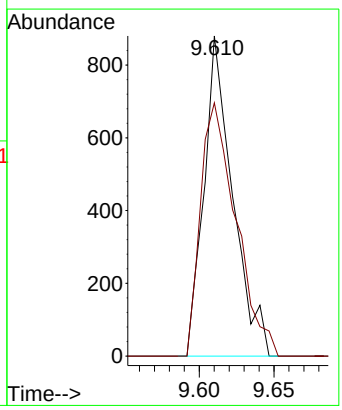
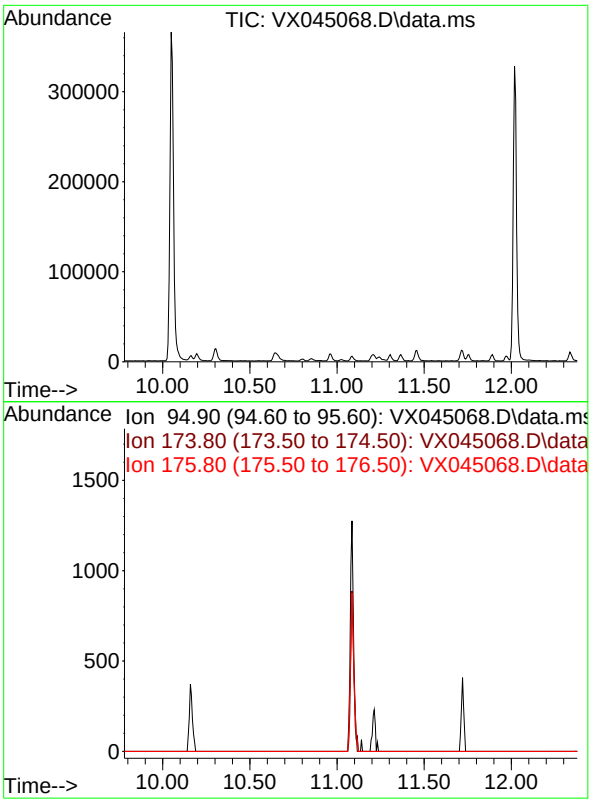


#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:107 Resp: 1174

Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

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

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	74.1
176	70.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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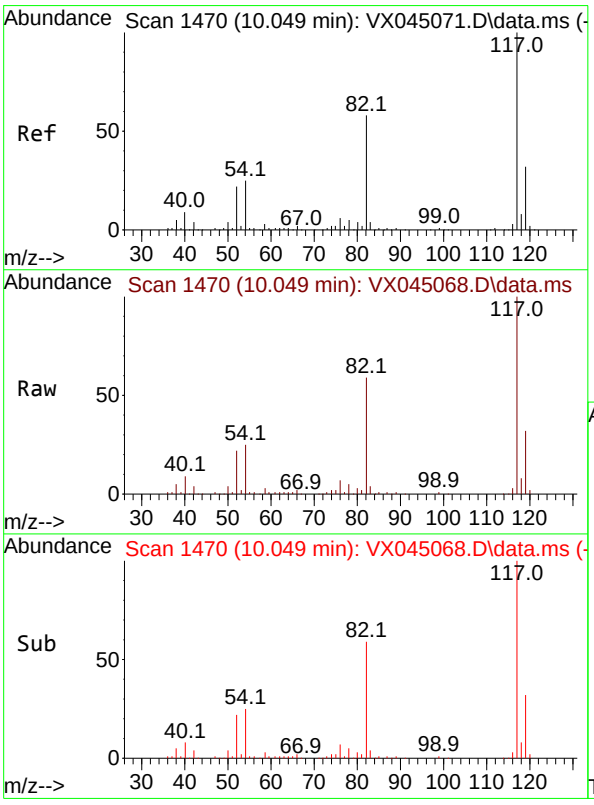
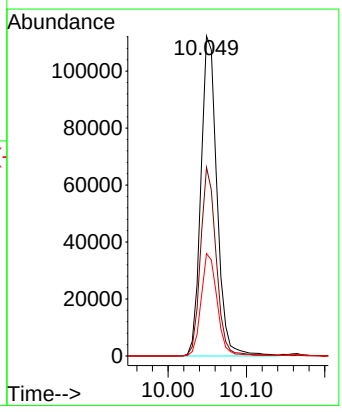
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

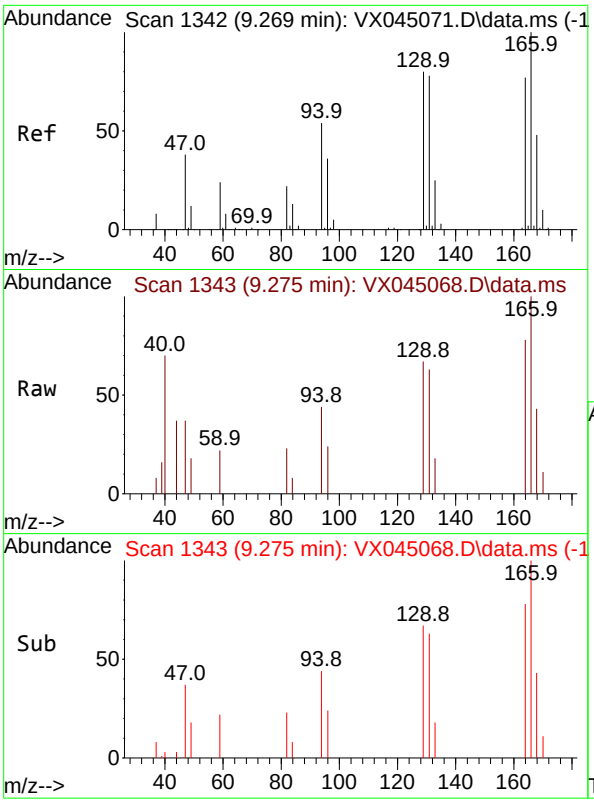


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 159886

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.3	69.5
119	32.0	25.7	38.5

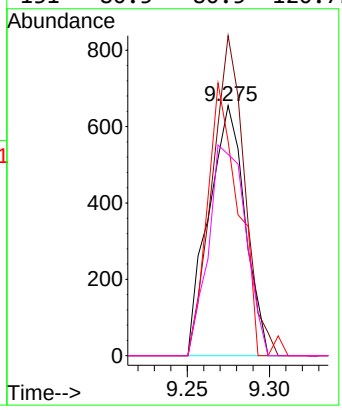




#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:164 Resp: 100

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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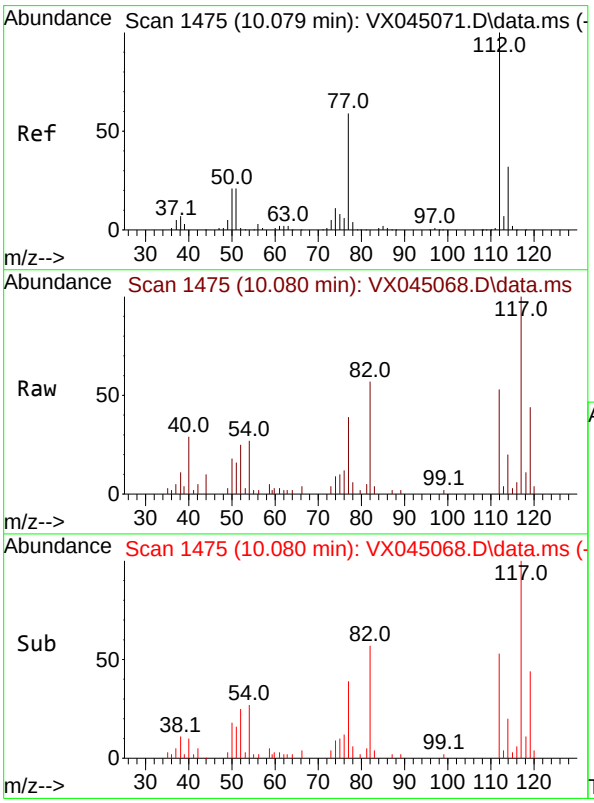
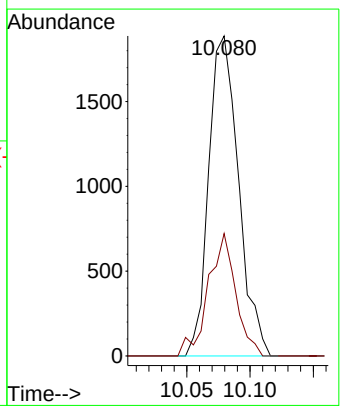
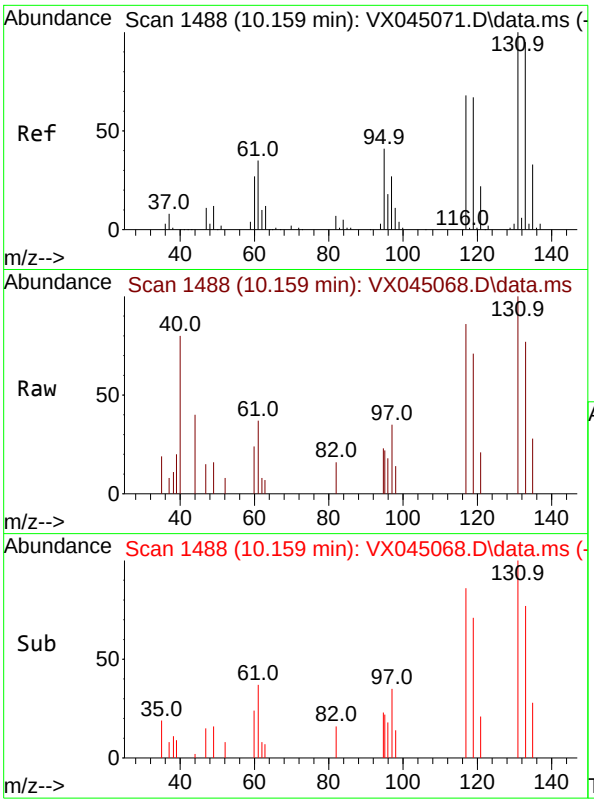


#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:112 Resp: 3094

Ion	Ratio	Lower	Upper
112	100		
114	38.3	26.0	39.0





#66
1,1,1,2-Tetrachloroethane
Concen: 0.978 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:131 Resp: 107

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

Instrument :
MSVOA_X
ClientSampleId :
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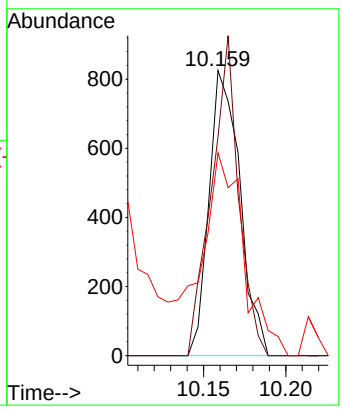
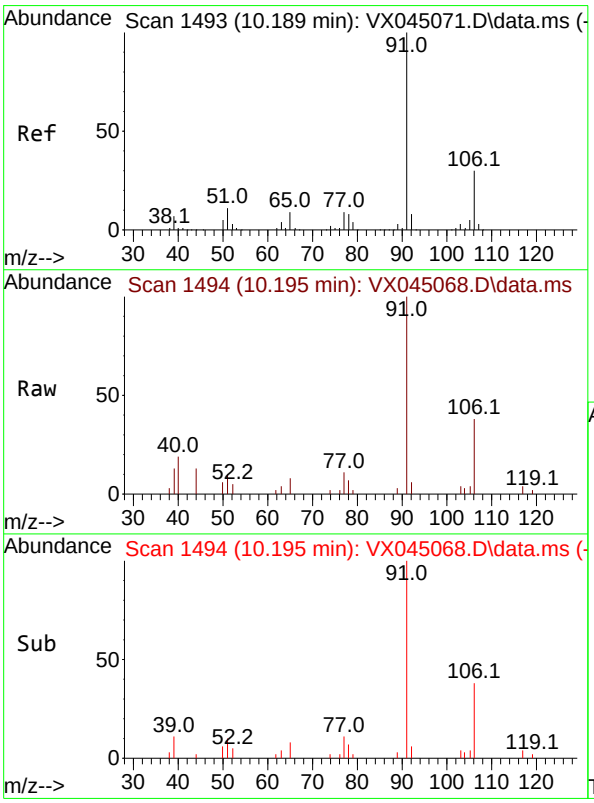
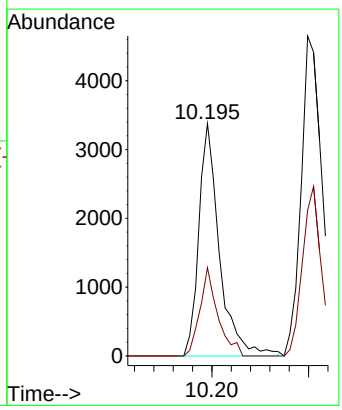


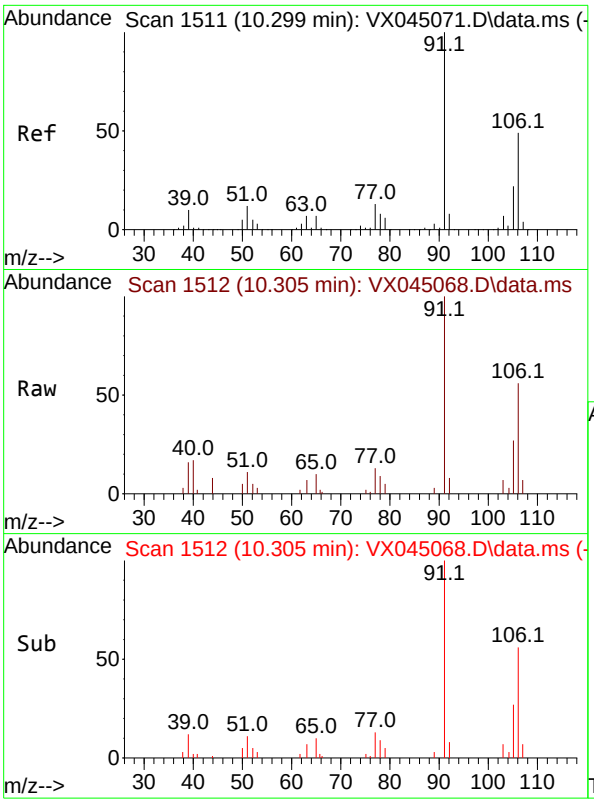


#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 5008

Ion	Ratio	Lower	Upper
91	100		
106	38.0	23.9	35.9#

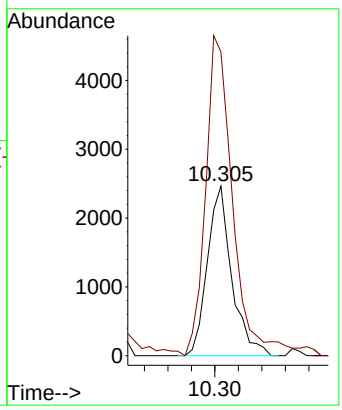




#68
m/p-Xylenes
Concen: 1.630 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 355

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



Instrument :
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ClientSampleId :
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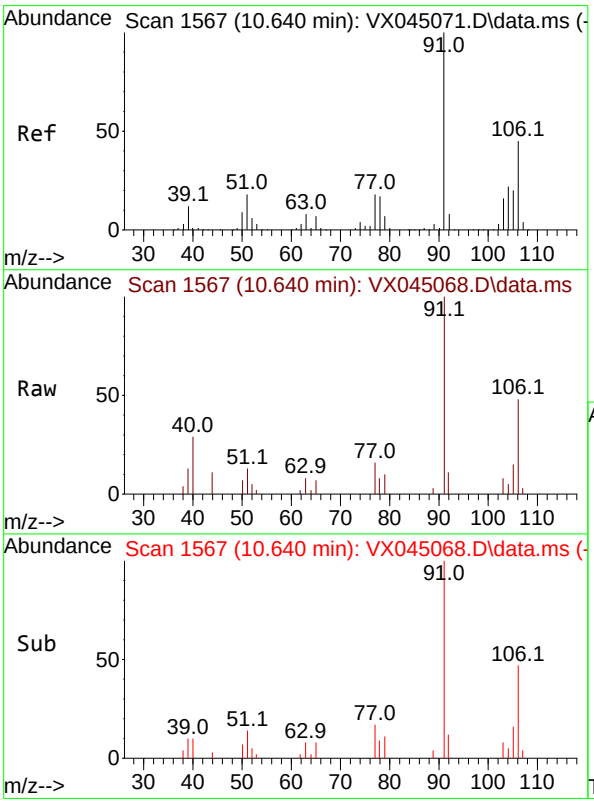
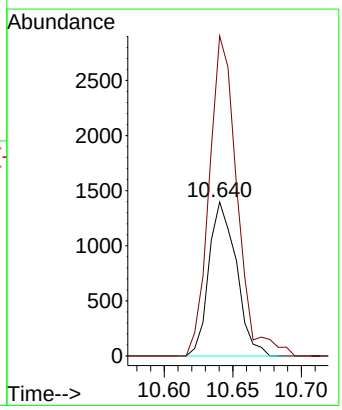
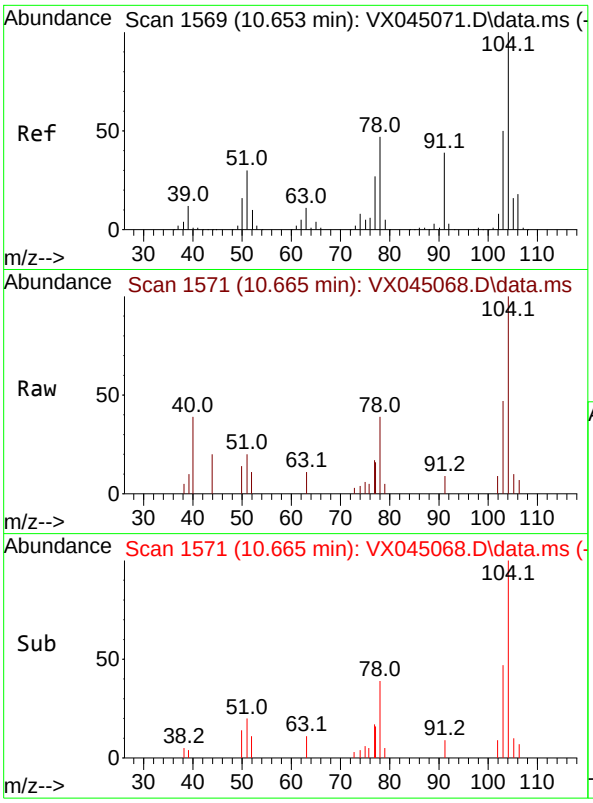


#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

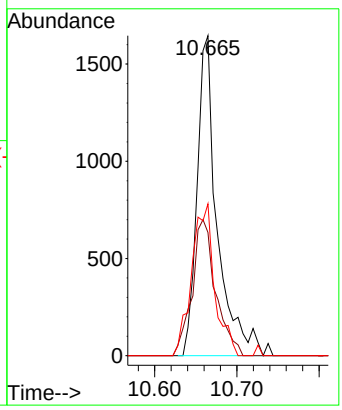




#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:104 Resp: 281

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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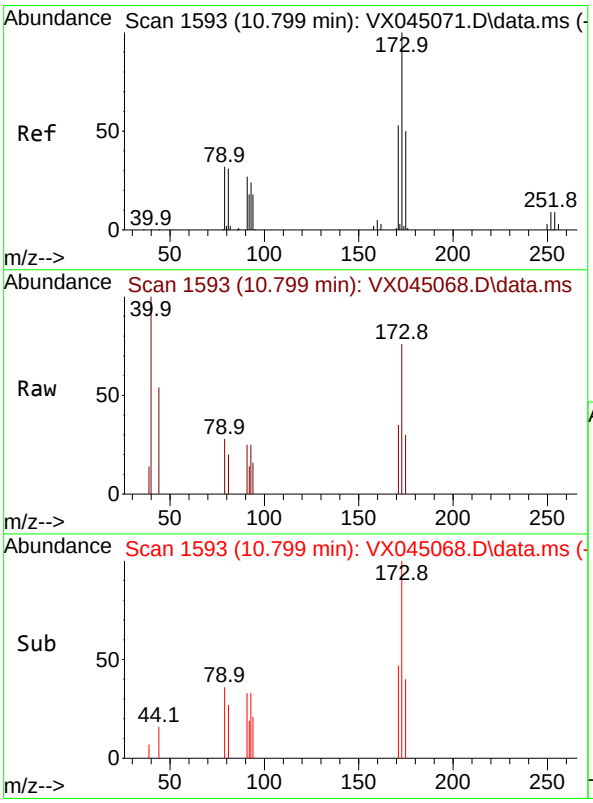
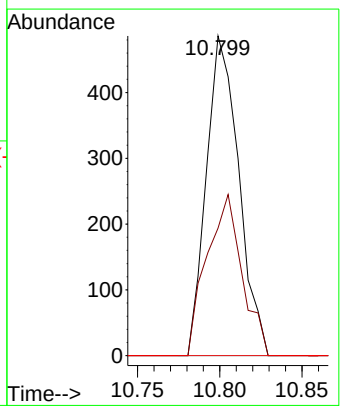
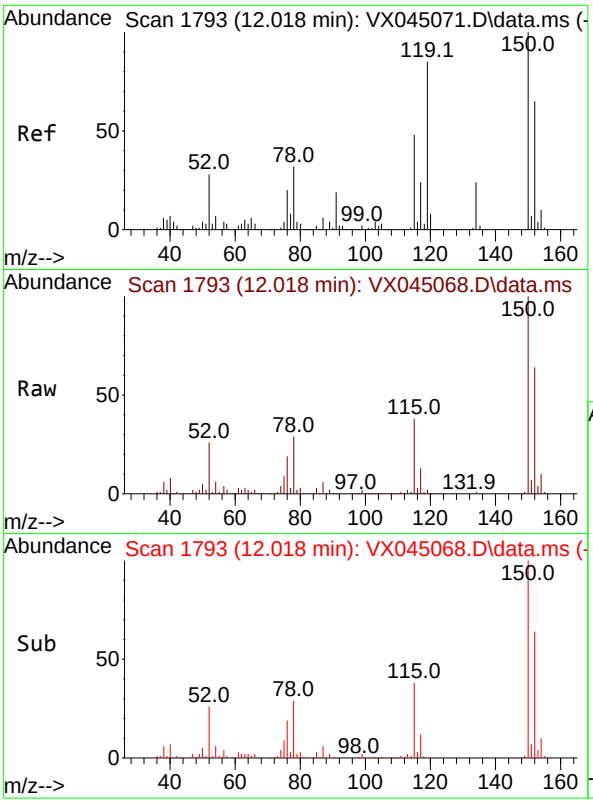


#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:173 Resp: 667

Ion	Ratio	Lower	Upper
173	100		
175	54.7	24.6	73.6
254	0.0	0.0	0.0

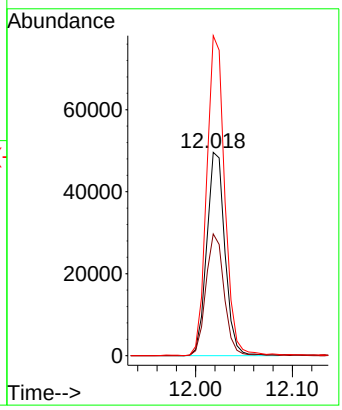




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:152 Resp: 6484

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



Instrument :
MSVOA_X
ClientSampleId :
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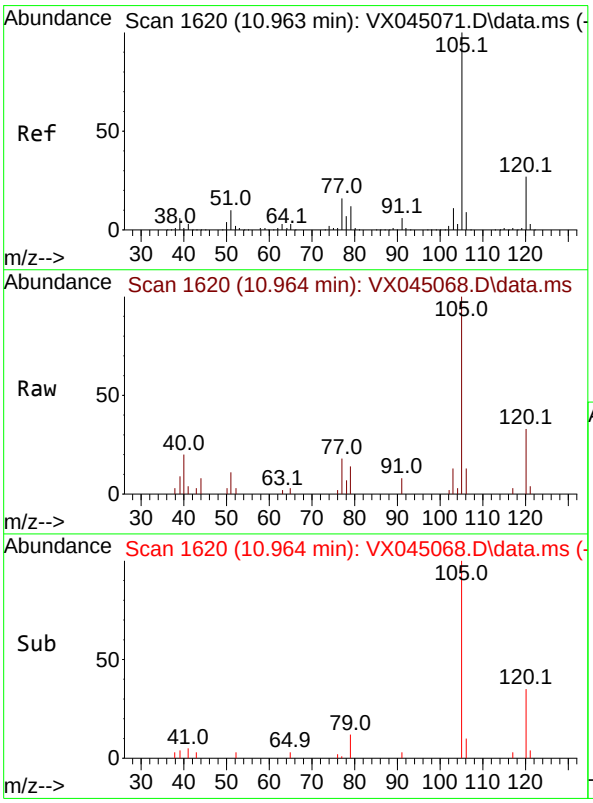
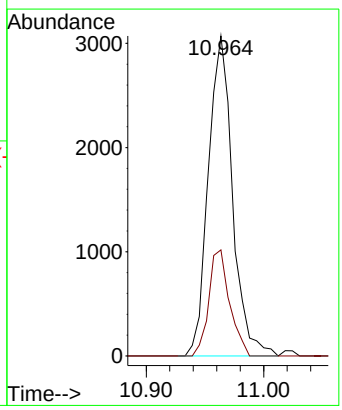
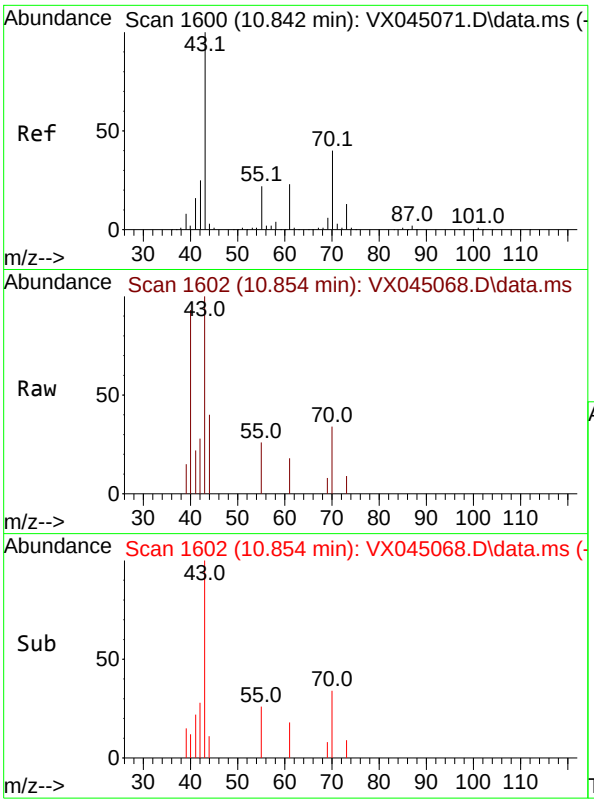


#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

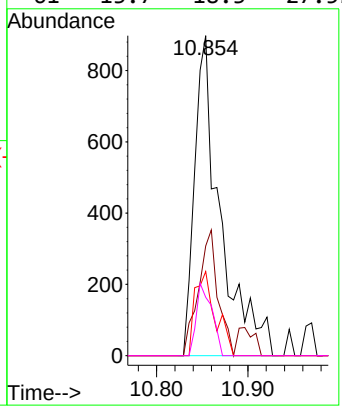




#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 175

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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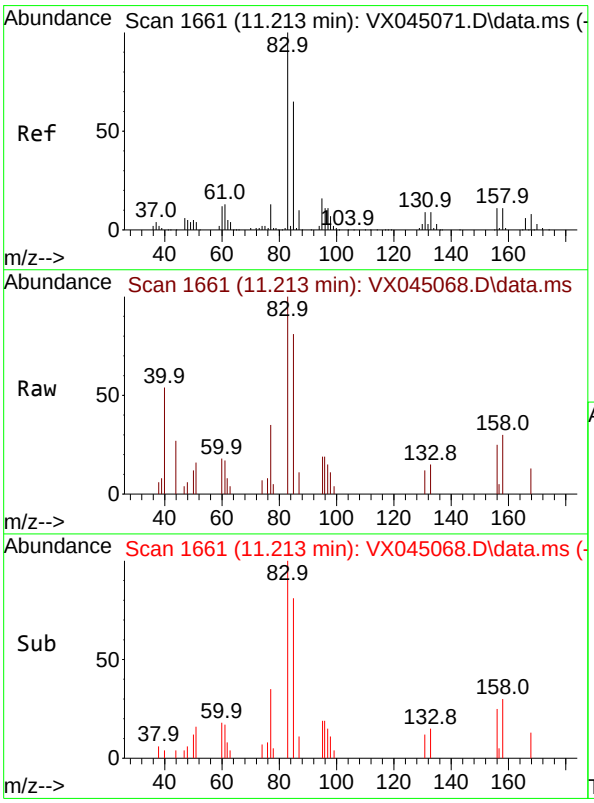
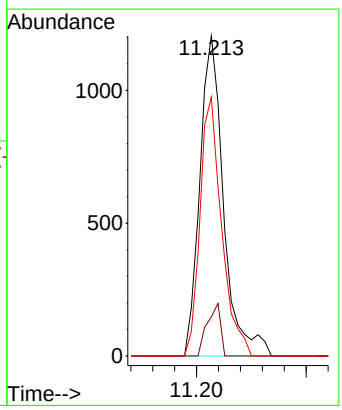
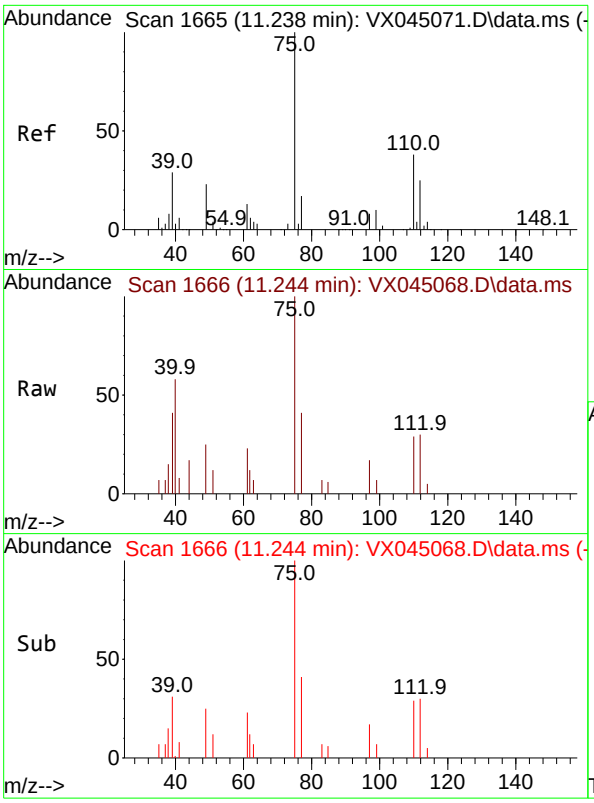


#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1809

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	73.7	31.7	95.1





#76
1,2,3-Trichloropropane
Concen: 1.015 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 153

Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.7	62.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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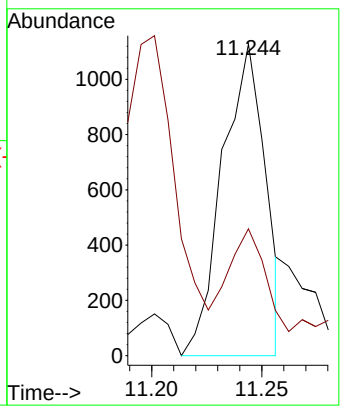
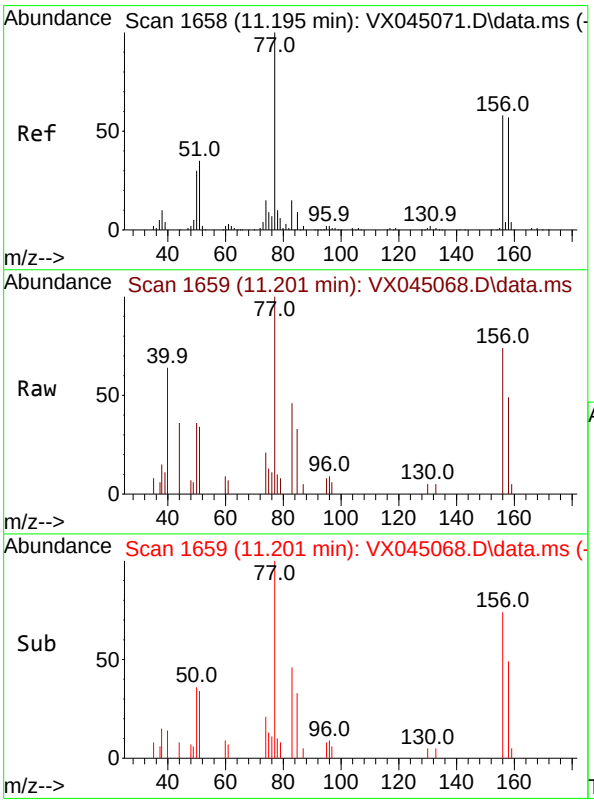
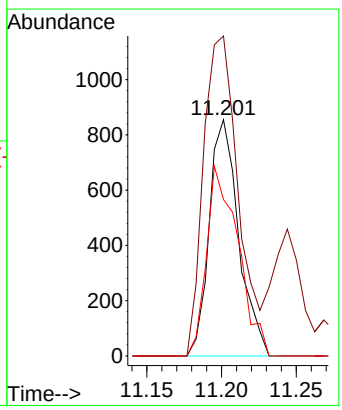


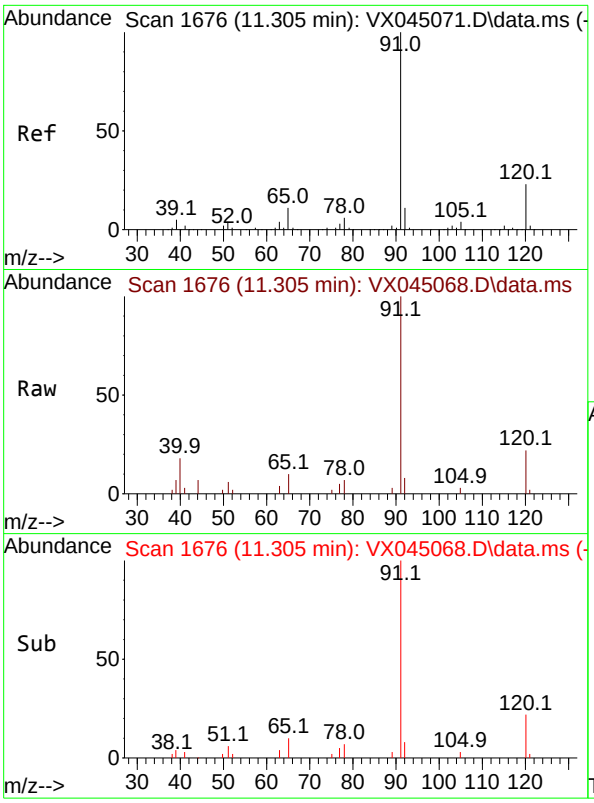


#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:156 Resp: 1166

Ion	Ratio	Lower	Upper
156	100		
77	159.8	85.8	257.4
158	86.2	48.4	145.2

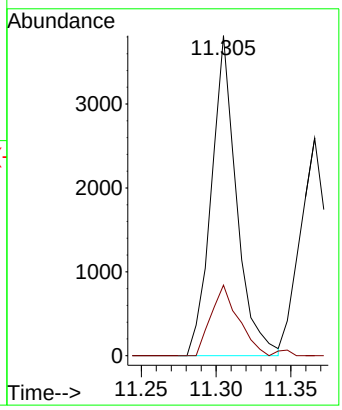




#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 447

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



Instrument :
MSVOA_X
ClientSampleId :
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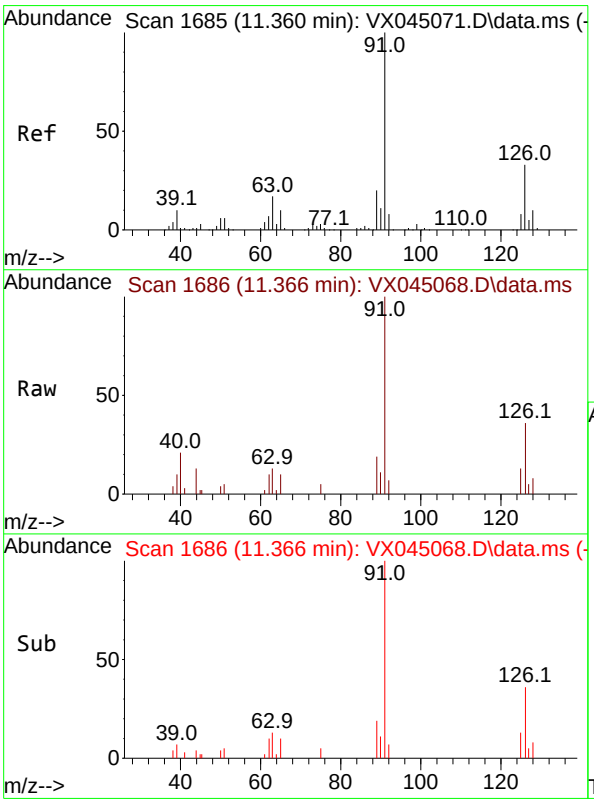
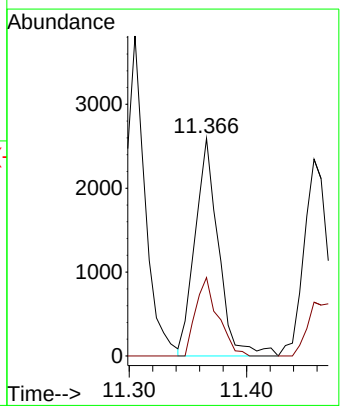
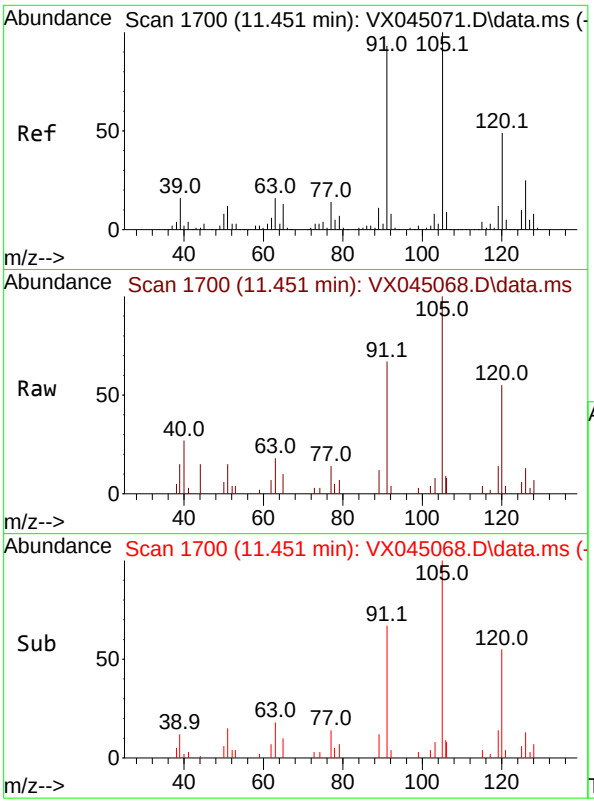


#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

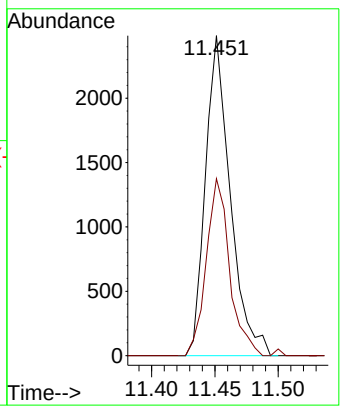




#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 338

Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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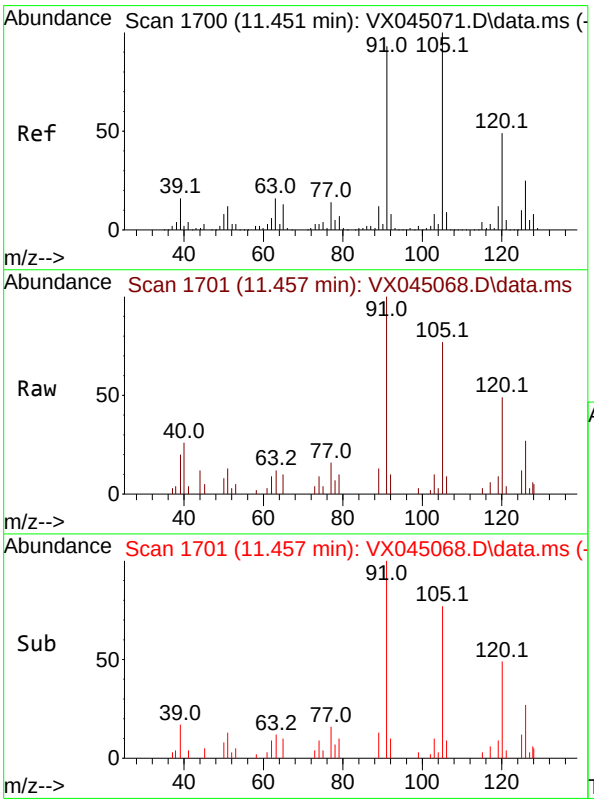
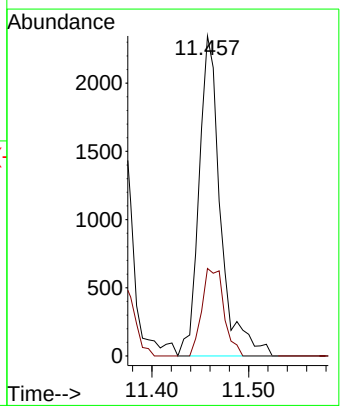
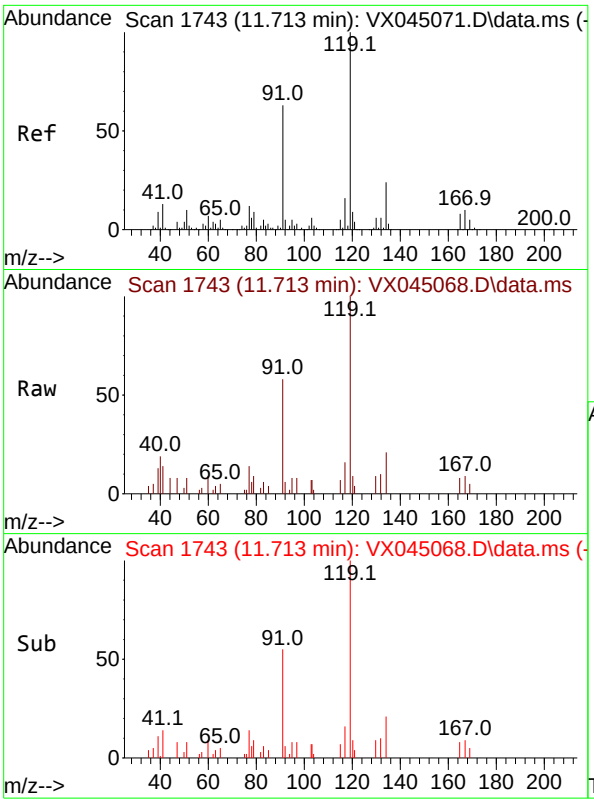


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4

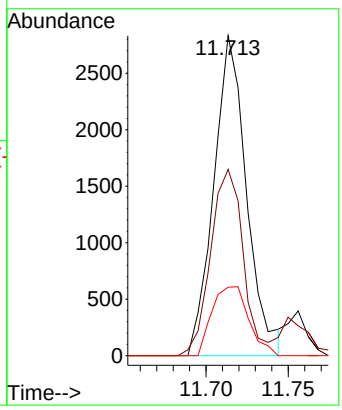




#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 392

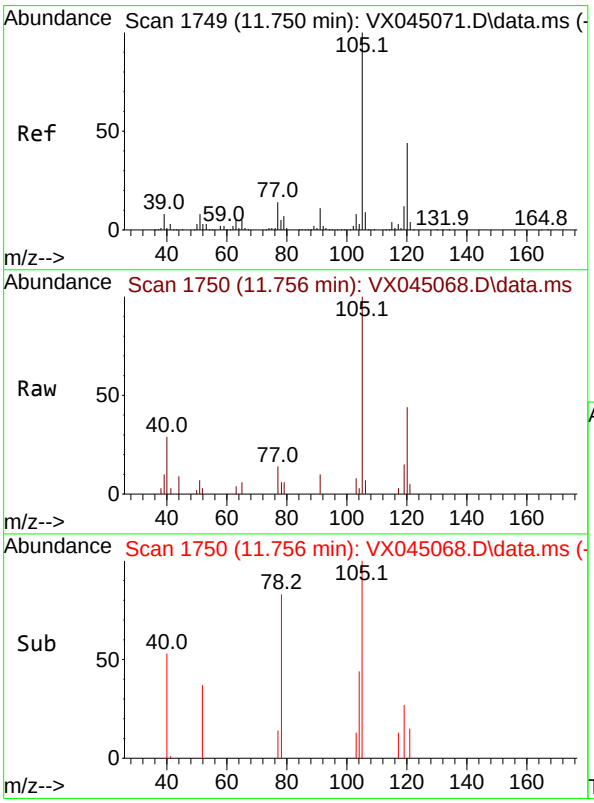
Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.7	92.1
134	24.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

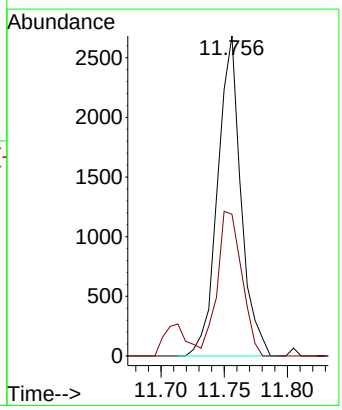
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

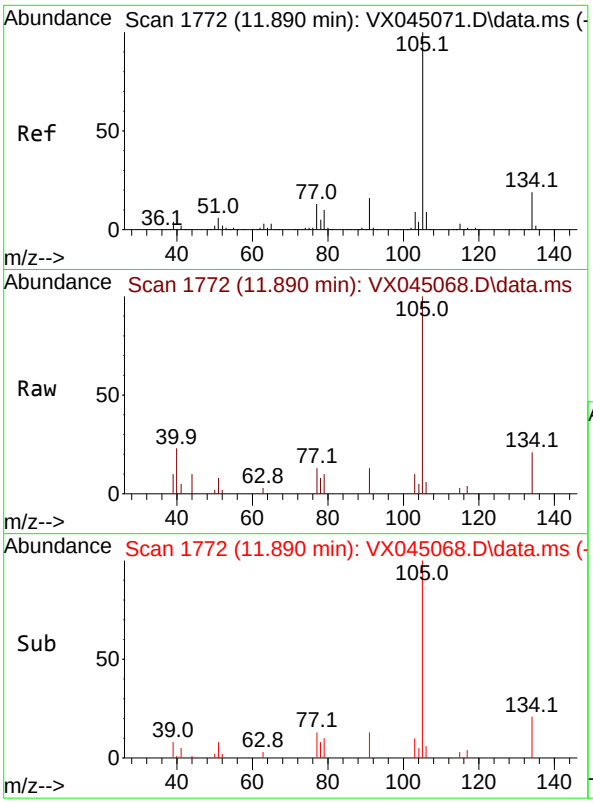


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3432

Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1

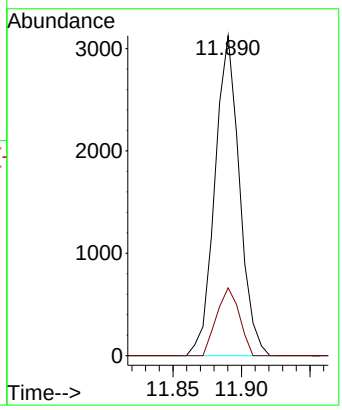




#85
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 389

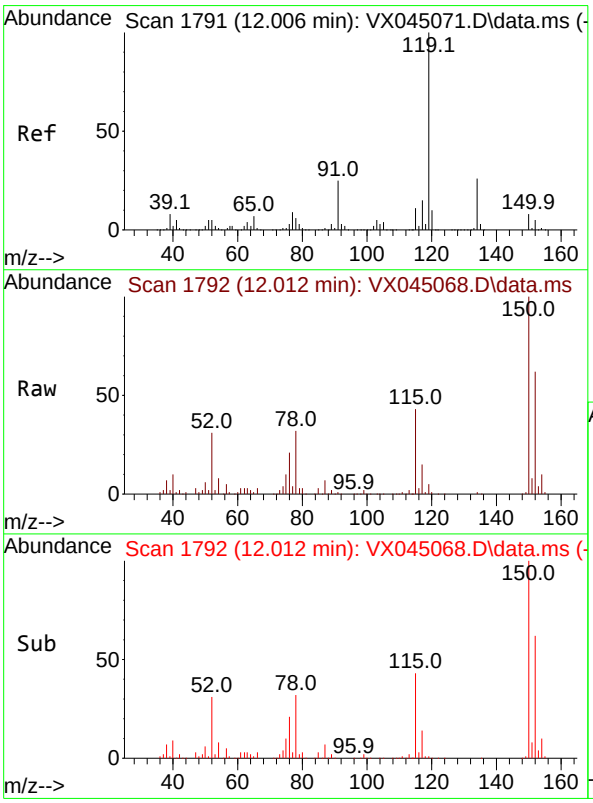
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

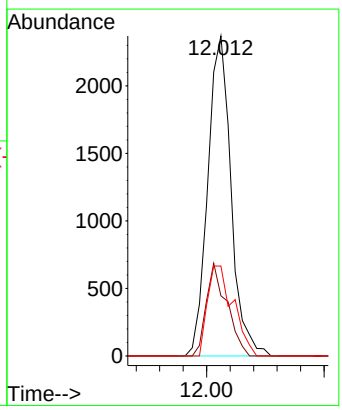
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

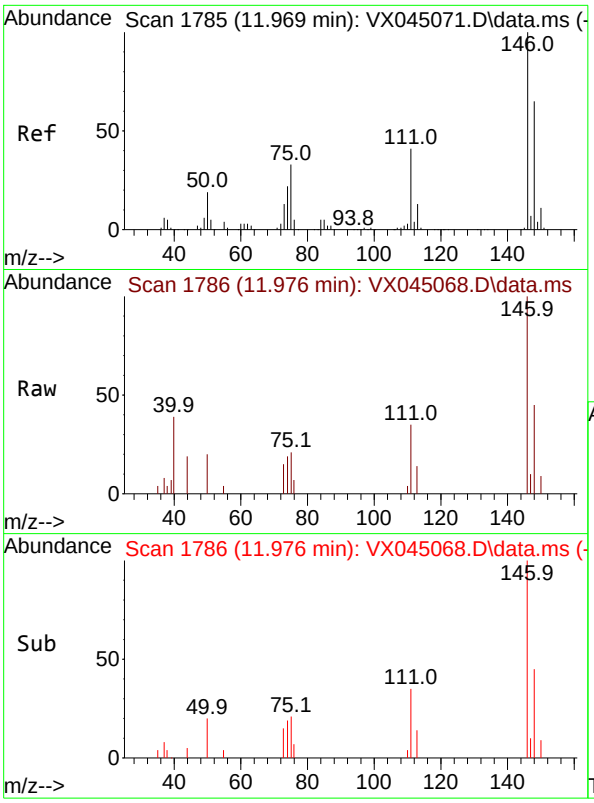


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 3257

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	30.9	12.7	38.0

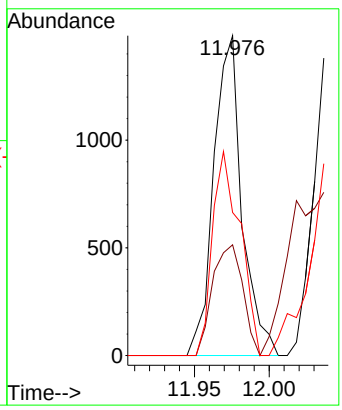




#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 194

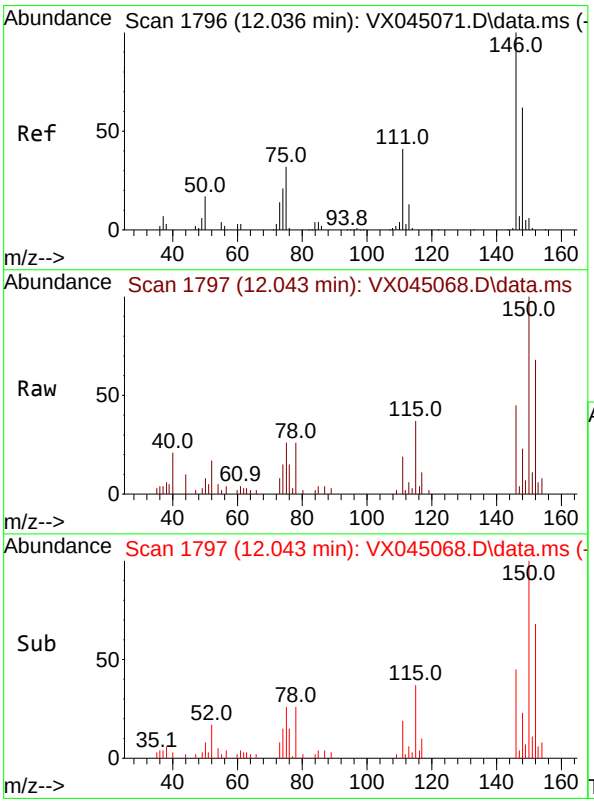
Ion	Ratio	Lower	Upper
146	100		
111	37.1	21.1	63.4
148	62.4	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

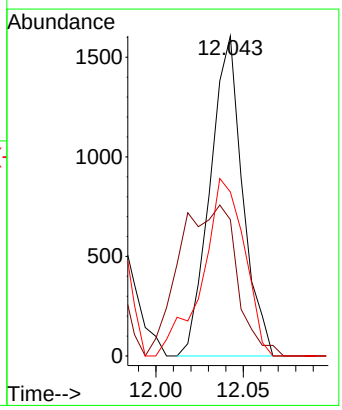
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

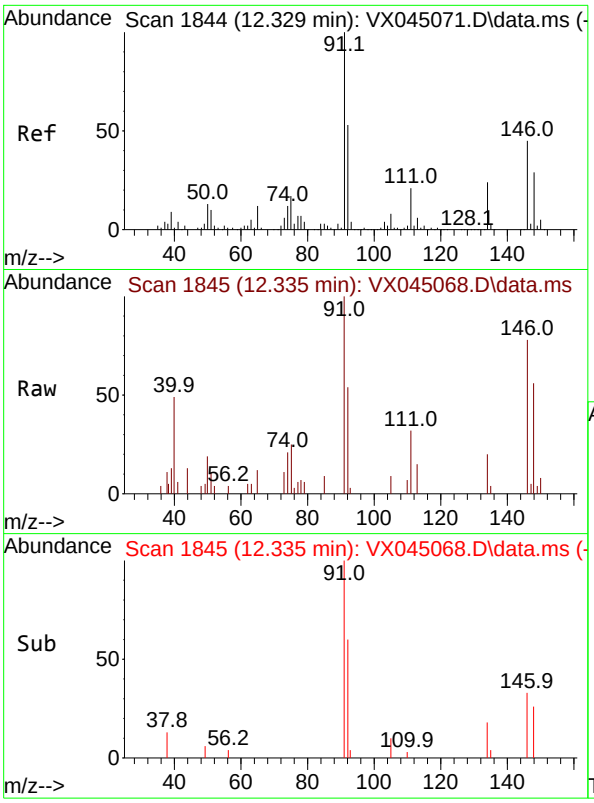


#88
1,4-Dichlorobenzene
Concen: 0.962 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 2082

Ion	Ratio	Lower	Upper
146	100		
111	34.7	20.2	60.5
148	58.4	31.9	95.9

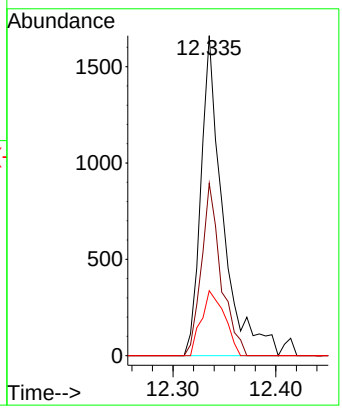




#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 247

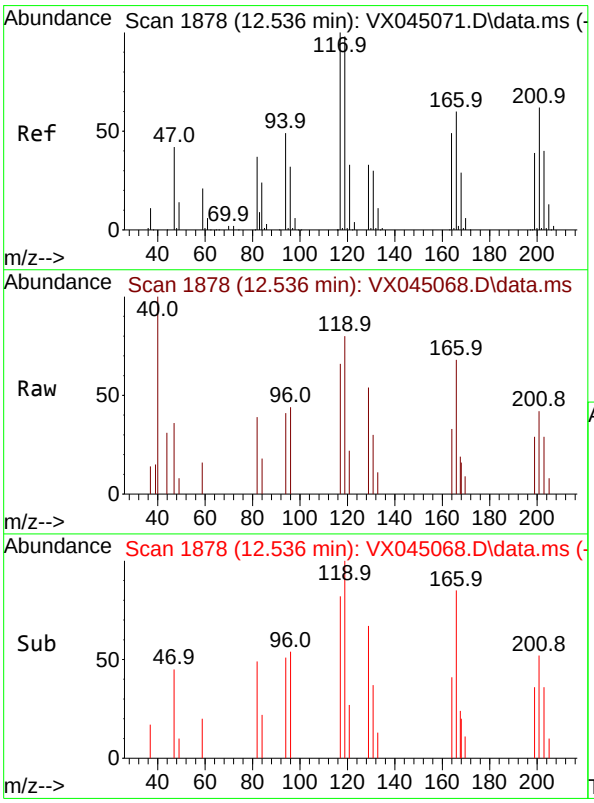
Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

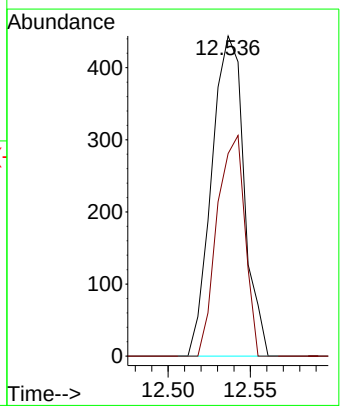
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

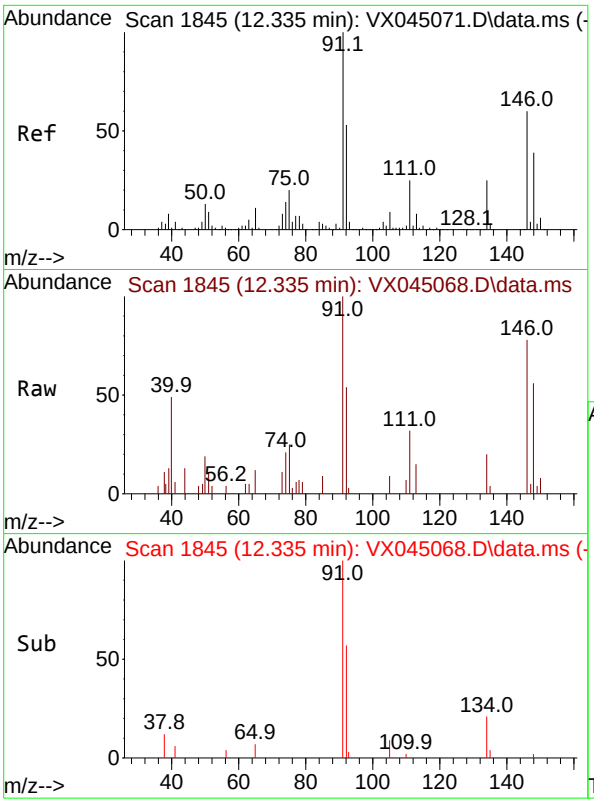


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9

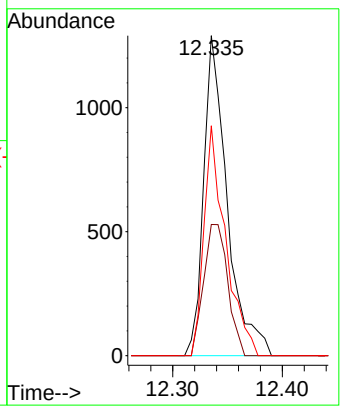




#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 191

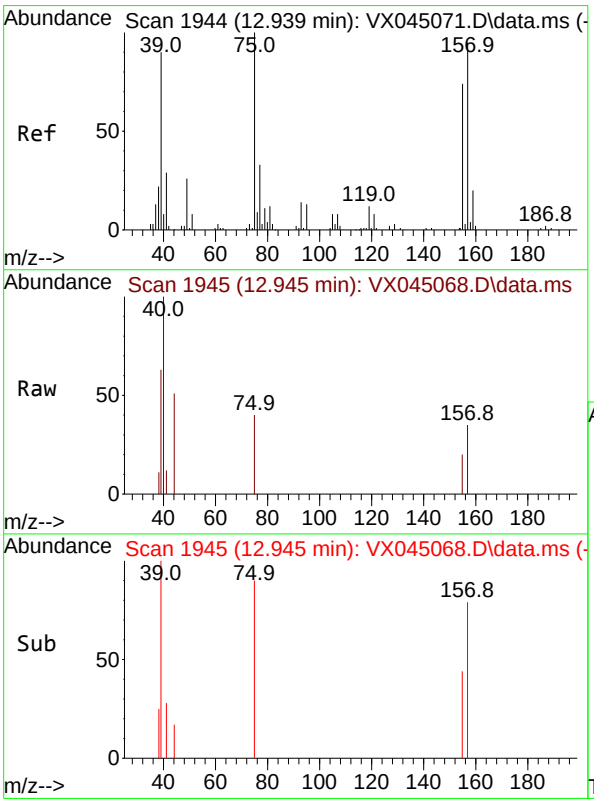
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	66.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

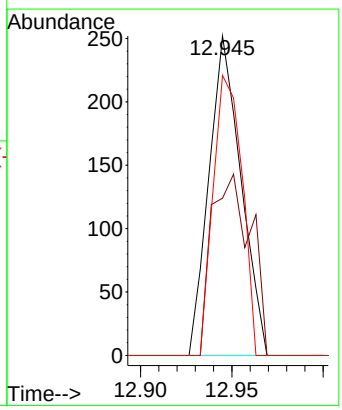
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

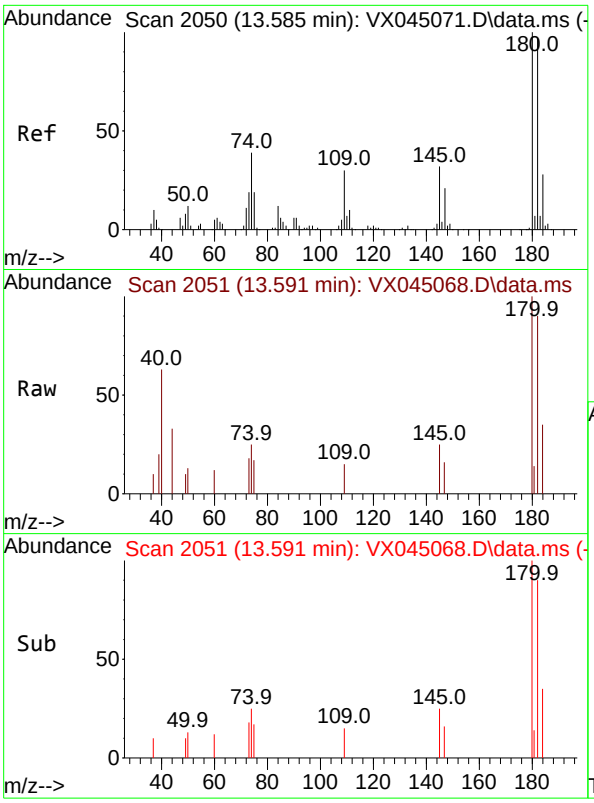


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 308

Ion	Ratio	Lower	Upper
75	100		
155	69.2	39.6	118.7
157	78.6	51.1	153.4

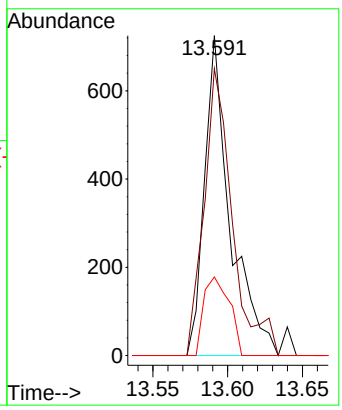




#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 86

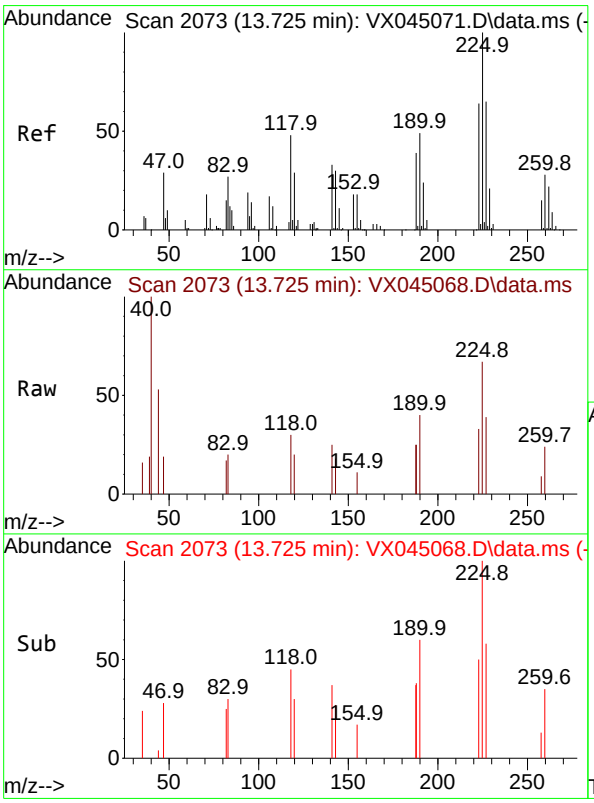
Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	141.9
145	24.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

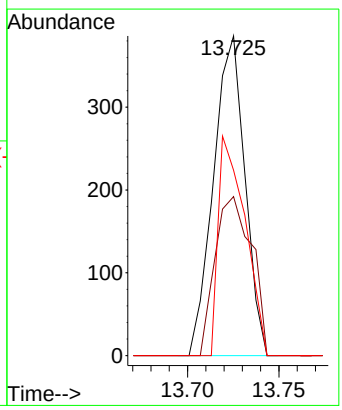
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

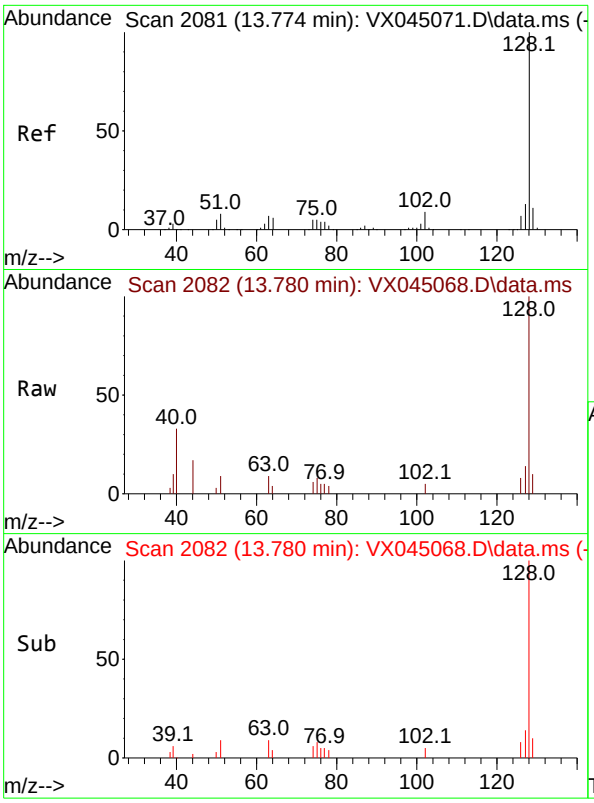


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:225 Resp: 462

Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.9	95.7
227	58.7	31.4	94.0

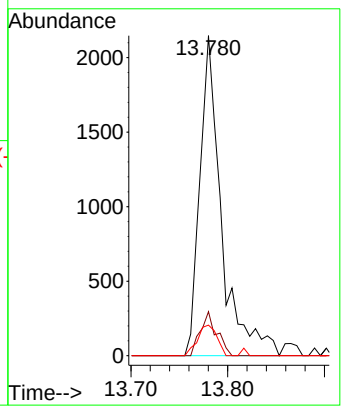




#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:128 Resp: 333

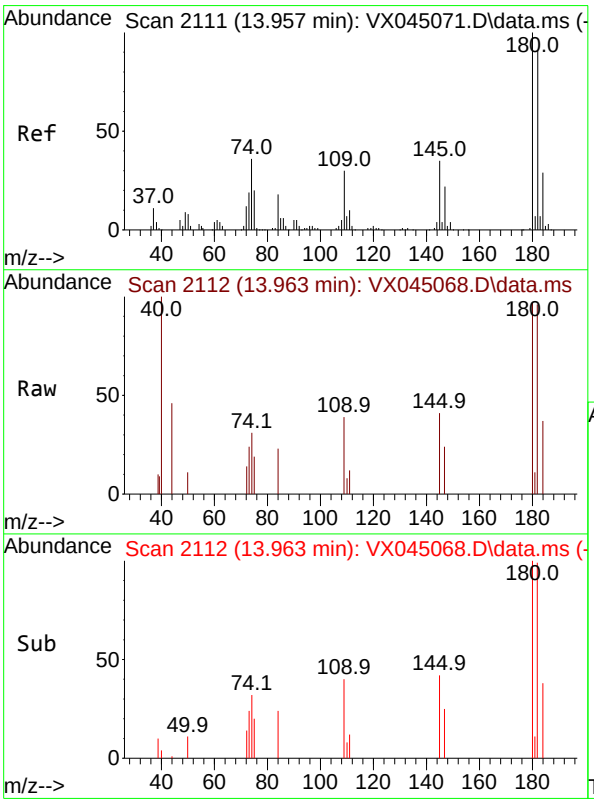
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	8.6	8.7	13.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

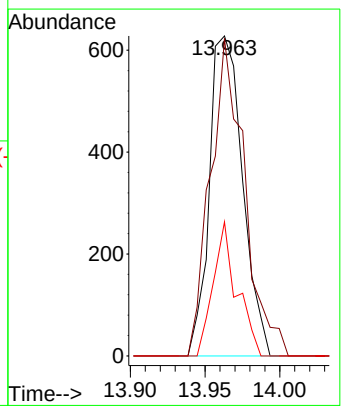
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.759 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 969

Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.5	142.6
145	29.8	17.0	50.9



Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	107391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	194243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	8978	5.659	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.320%#		
35) Dibromofluoromethane	5.391	113	6398	5.039	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.080%#		
50) Toluene-d8	8.647	98	24037	5.057	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.120%#		
62) 4-Bromofluorobenzene	11.079	95	7436	4.685	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.360%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	6941	4.689	ug/l	96
3) Chloromethane	1.307	50	8819	4.896	ug/l	99
4) Vinyl Chloride	1.374	62	8106	4.608	ug/l	94
5) Bromomethane	1.593	94	3620	6.582	ug/l	96
6) Chloroethane	1.660	64	4517	6.746	ug/l	91
7) Trichlorofluoromethane	1.867	101	11392	5.056	ug/l	95
8) Diethyl Ether	2.136	74	4314	5.268	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	6586	4.894	ug/l	98
10) Methyl Iodide	2.441	142	6520	3.780	ug/l	95
11) Tert butyl alcohol	2.983	59	10164m	34.976	ug/l	
12) 1,1-Dichloroethene	2.313	96	6658	4.819	ug/l	94
13) Acrolein	2.233	56	8725	27.725	ug/l	97
14) Allyl chloride	2.654	41	11244	4.527	ug/l	96
15) Acrylonitrile	3.068	53	21381	27.072	ug/l	99
16) Acetone	2.386	43	19512	29.891	ug/l	97
17) Carbon Disulfide	2.502	76	16984	4.518	ug/l	99
18) Methyl Acetate	2.703	43	8964	4.559	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	20546	4.651	ug/l	95
20) Methylene Chloride	2.782	84	7835	5.068	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	6651	4.895	ug/l	94
22) Diisopropyl ether	3.763	45	23151	4.875	ug/l #	82
23) Vinyl Acetate	3.721	43	88852	22.788	ug/l	98
24) 1,1-Dichloroethane	3.605	63	13132	4.949	ug/l	99
25) 2-Butanone	4.574	43	29277	27.819	ug/l	99
26) 2,2-Dichloropropane	4.471	77	6034	3.059	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	8012	4.892	ug/l	97
28) Bromochloromethane	4.904	49	6797	5.311	ug/l #	96
29) Tetrahydrofuran	5.013	42	20186	28.950	ug/l	99
30) Chloroform	5.093	83	13390	5.159	ug/l	96
31) Cyclohexane	5.464	56	10968	4.504	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	10654	4.876	ug/l	100
36) 1,1-Dichloropropene	5.690	75	8977	4.917	ug/l #	83
37) Ethyl Acetate	4.727	43	10459	5.035	ug/l	98
38) Carbon Tetrachloride	5.666	117	8997	5.013	ug/l	95
39) Methylcyclohexane	7.379	83	10291	4.414	ug/l	97
40) Benzene	6.037	78	28339	4.966	ug/l	97

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	5700	5.136	ug/l		95
42) 1,2-Dichloroethane	6.092	62	10189	5.510	ug/l		98
43) Isopropyl Acetate	6.348	43	15543	4.700	ug/l		99
44) Trichloroethene	7.129	130	6827	5.234	ug/l		99
45) 1,2-Dichloropropane	7.427	63	7342	5.177	ug/l		95
46) Dibromomethane	7.586	93	5146	5.195	ug/l		97
47) Bromodichloromethane	7.824	83	9773	5.100	ug/l		99
48) Methyl methacrylate	7.696	41	8201	5.224	ug/l		95
49) 1,4-Dioxane	7.665	88	3531	105.826	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	55320	27.303	ug/l		99
52) Toluene	8.720	92	16933	4.997	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	7548	3.985	ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	8988	4.244	ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	6759	5.151	ug/l		97
56) Ethyl methacrylate	9.116	69	9712	4.628	ug/l		98
57) 1,3-Dichloropropane	9.305	76	12106	5.289	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	23212	22.527	ug/l		99
59) 2-Hexanone	9.433	43	39994	27.363	ug/l		99
60) Dibromochloromethane	9.519	129	6785	4.846	ug/l		98
61) 1,2-Dibromoethane	9.610	107	6832	5.161	ug/l		95
64) Tetrachloroethene	9.269	164	5615	5.128	ug/l		93
65) Chlorobenzene	10.079	112	18161	4.908	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	5702	4.781	ug/l		96
67) Ethyl Benzene	10.195	91	30918	4.725	ug/l		98
68) m/p-Xylenes	10.299	106	23152	9.608	ug/l		97
69) o-Xylene	10.640	106	11881	4.914	ug/l		95
70) Styrene	10.659	104	18278	4.704	ug/l		99
71) Bromoform	10.799	173	4027	4.541	ug/l	#	98
73) Isopropylbenzene	10.963	105	29685	4.991	ug/l		98
74) N-amyl acetate	10.848	43	11609	4.300	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10881	5.310	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	8839m	5.384	ug/l		
77) Bromobenzene	11.195	156	6970	5.163	ug/l		96
78) n-propylbenzene	11.305	91	32196	4.694	ug/l		99
79) 2-Chlorotoluene	11.366	91	21253	5.048	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	23627	4.897	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	1971	3.256	ug/l	#	83
82) 4-Chlorotoluene	11.457	91	22190	4.761	ug/l		98
83) tert-Butylbenzene	11.713	119	23960	4.910	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	23561	4.960	ug/l		99
85) sec-Butylbenzene	11.890	105	28314	4.687	ug/l		99
86) p-Isopropyltoluene	12.006	119	21977	4.532	ug/l		97
87) 1,3-Dichlorobenzene	11.969	146	12157	4.926	ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	12526	5.014	ug/l		96
89) n-Butylbenzene	12.335	91	17358	4.072	ug/l		99
90) Hexachloroethane	12.536	117	3665	4.052	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	12477	5.138	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1787	4.712	ug/l		90
93) 1,2,4-Trichlorobenzene	13.591	180	6040	4.114	ug/l		97
94) Hexachlorobutadiene	13.725	225	2716	4.640	ug/l		97
95) Naphthalene	13.780	128	22927	4.287	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	6600	4.437	ug/l		98

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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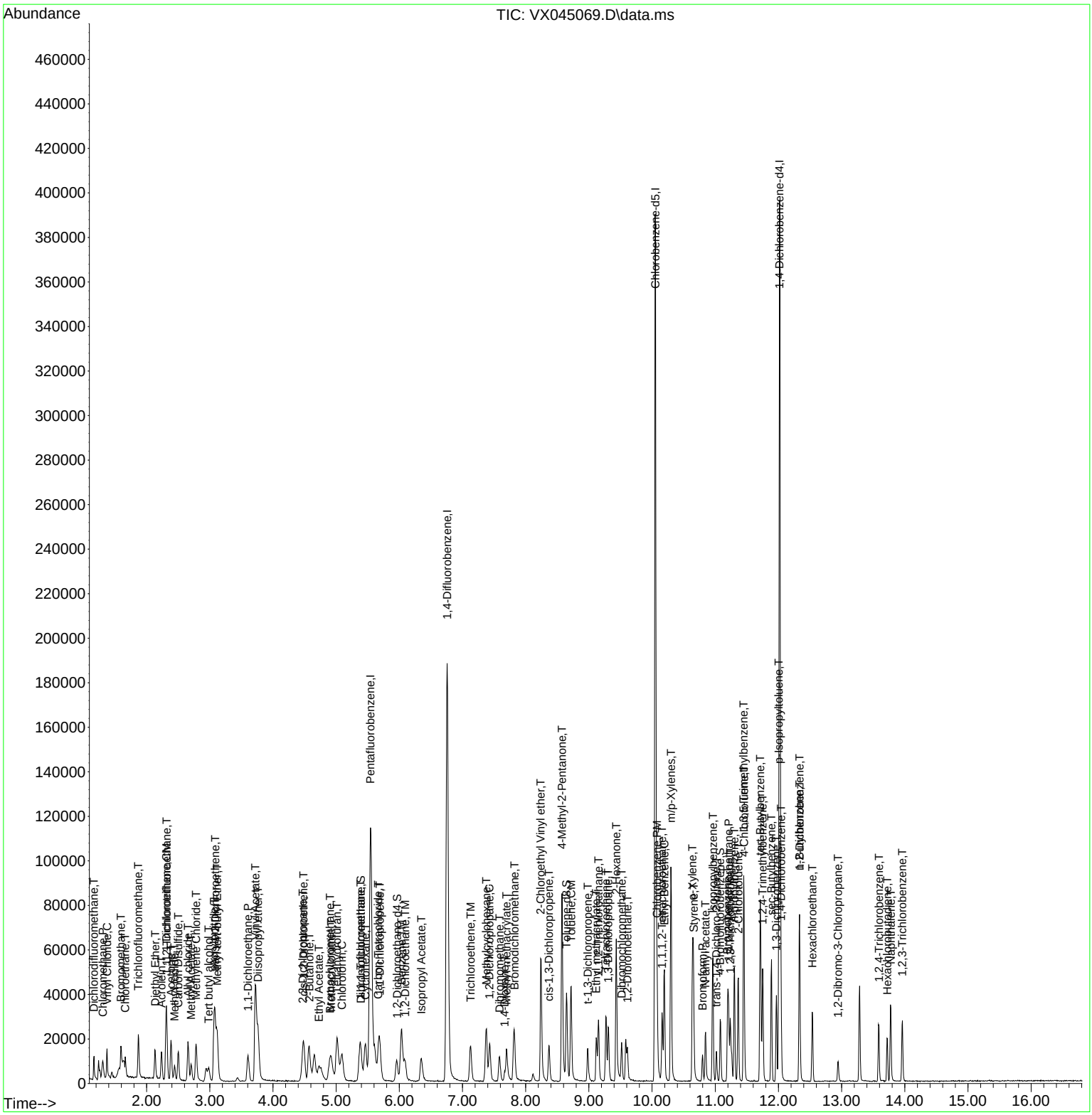
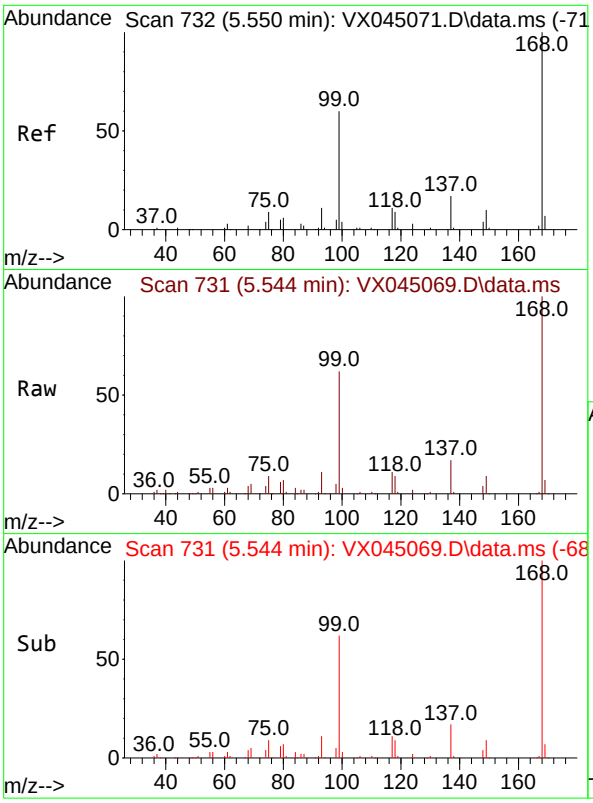
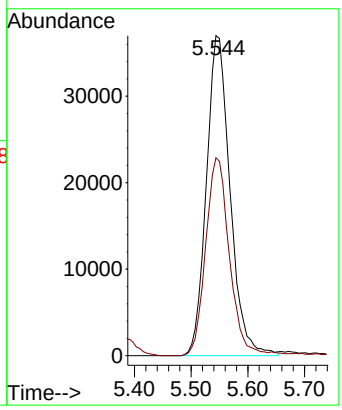




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:168 Resp: 10739

Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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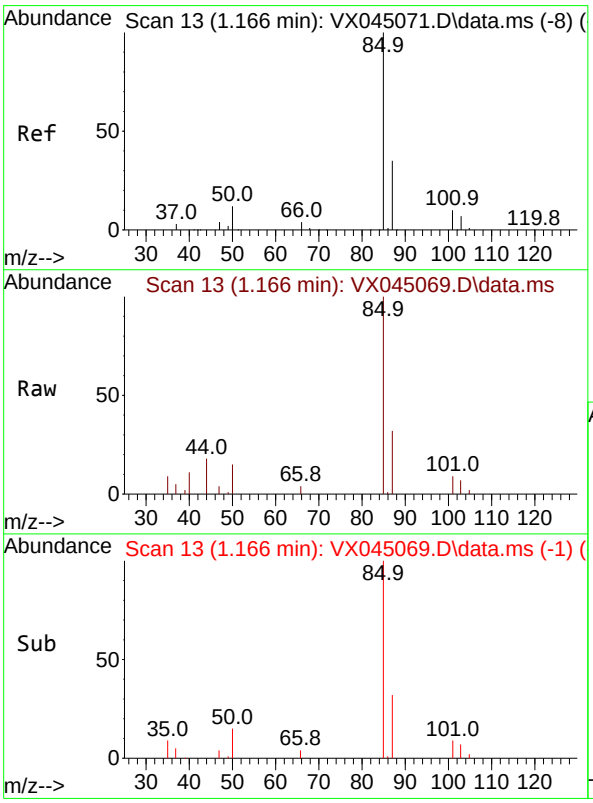
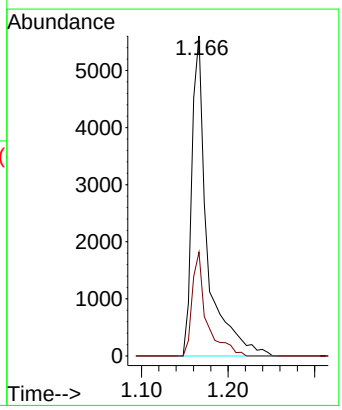
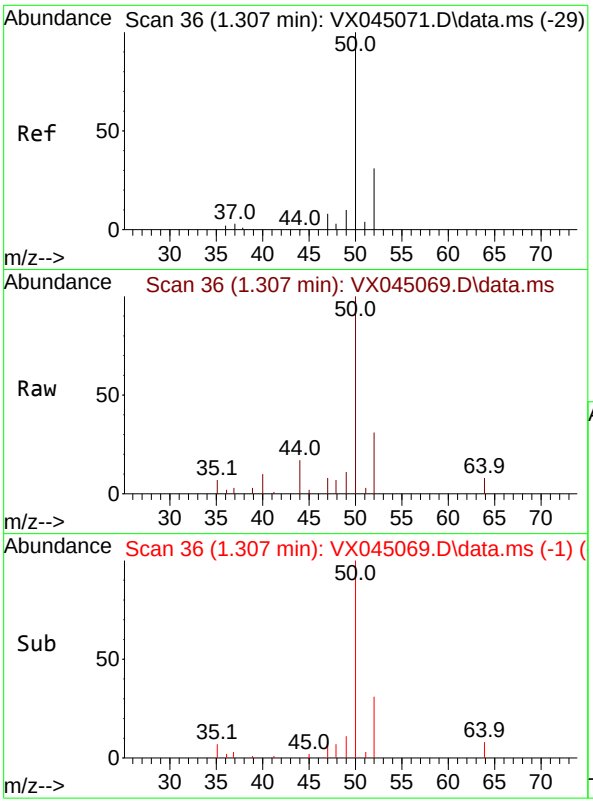


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3

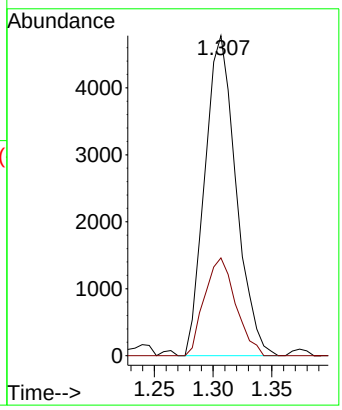




#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 50 Resp: 881

Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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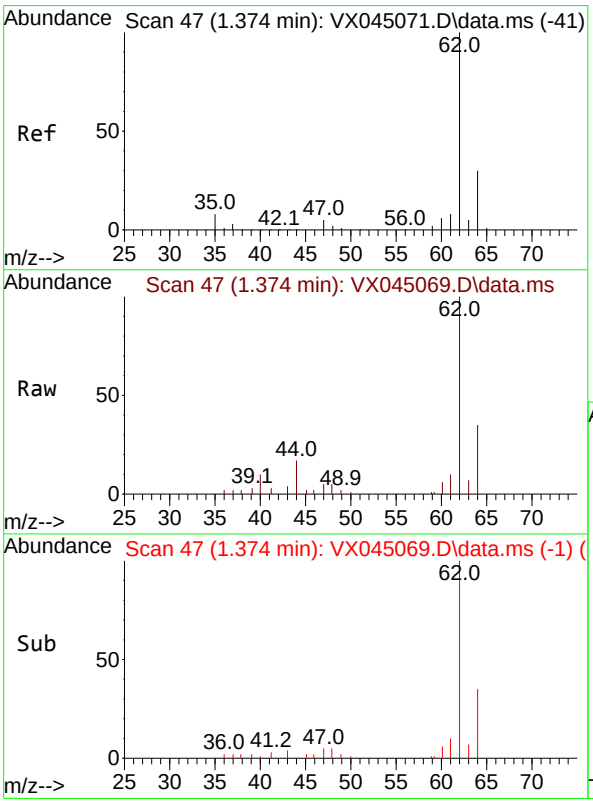
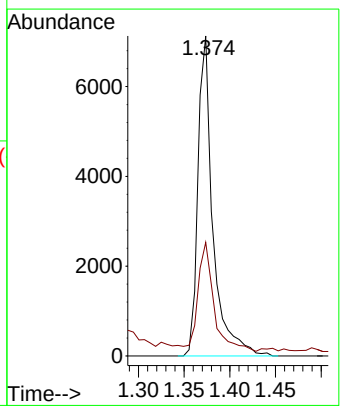
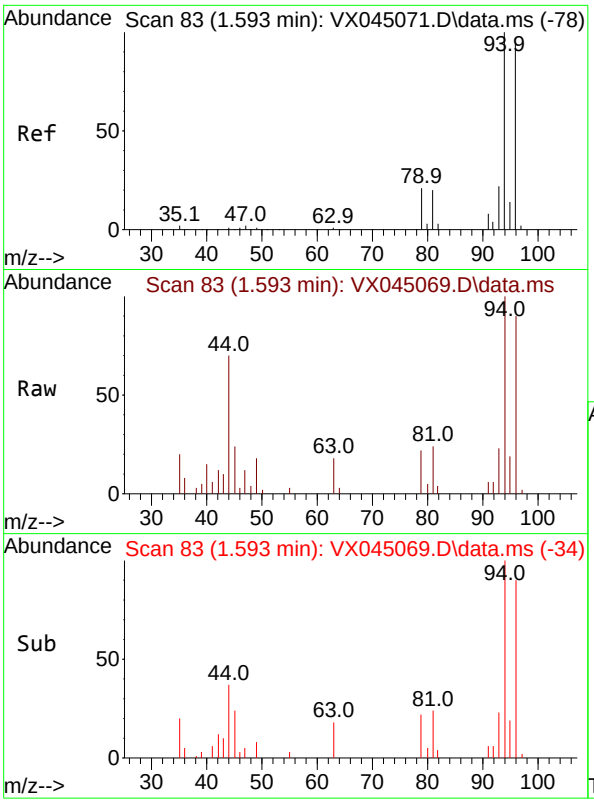


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5

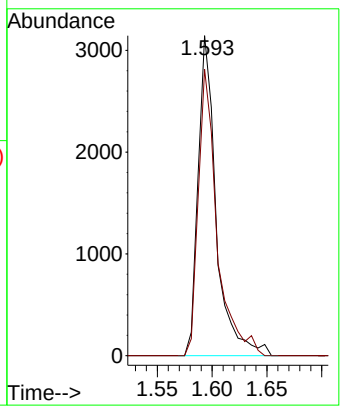




#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 94 Resp: 362

Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4



Instrument :
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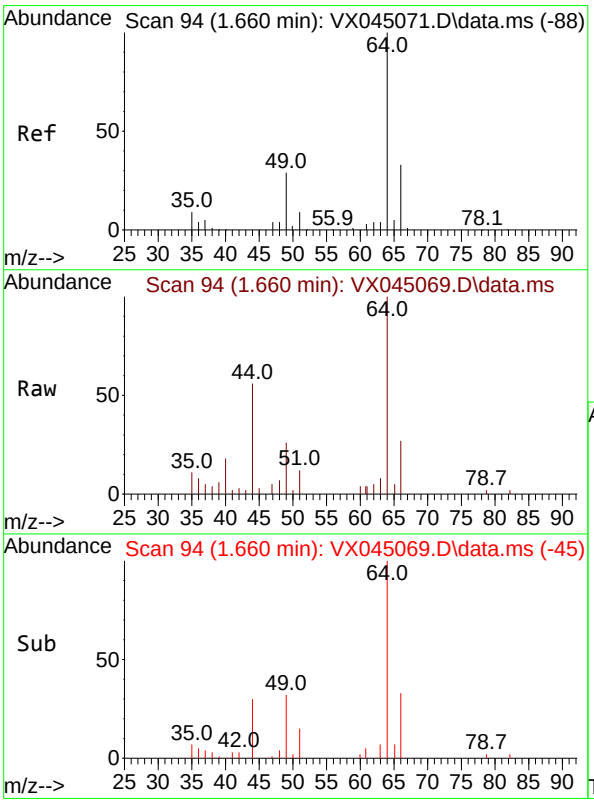
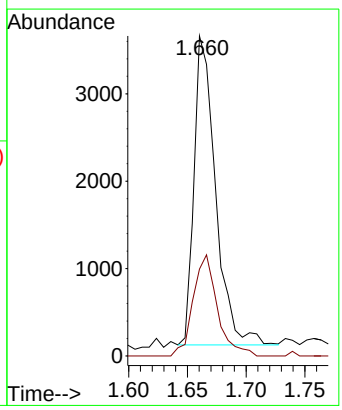
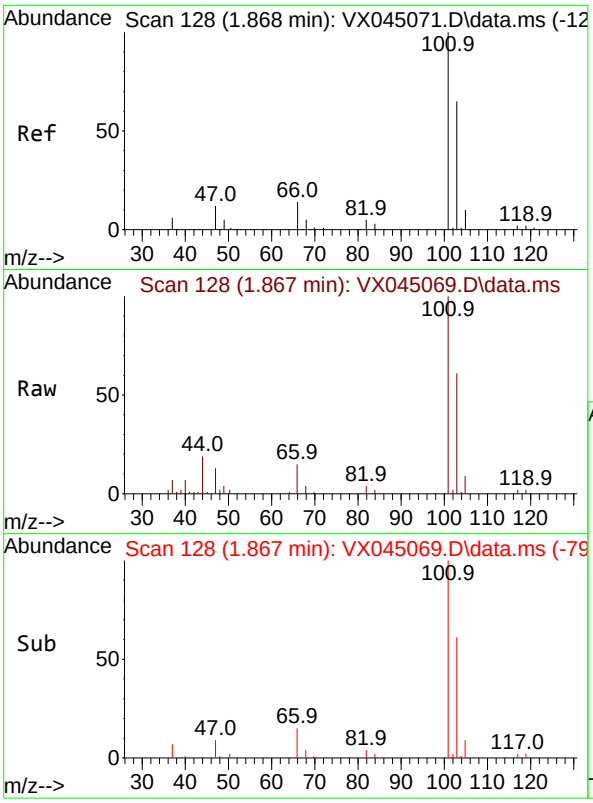


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1

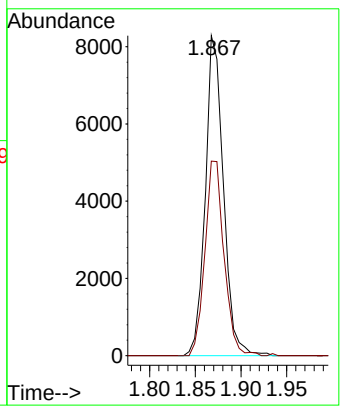




#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:101 Resp: 1139

Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1



Instrument :
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ClientSampleId :
VSTDICC005

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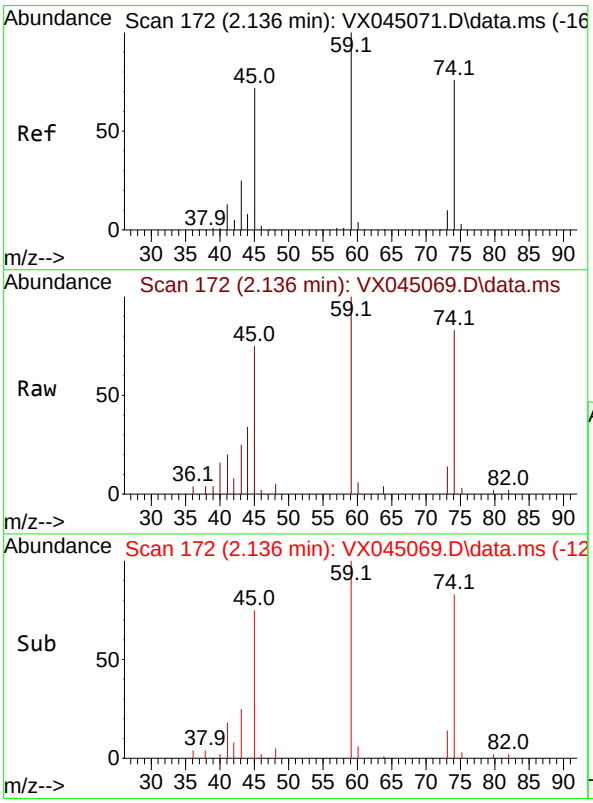
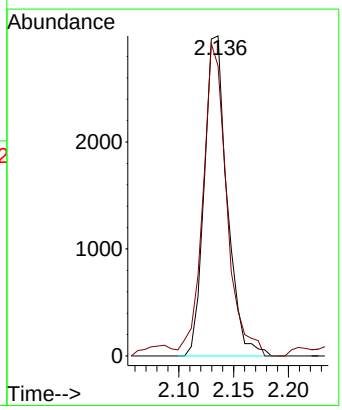
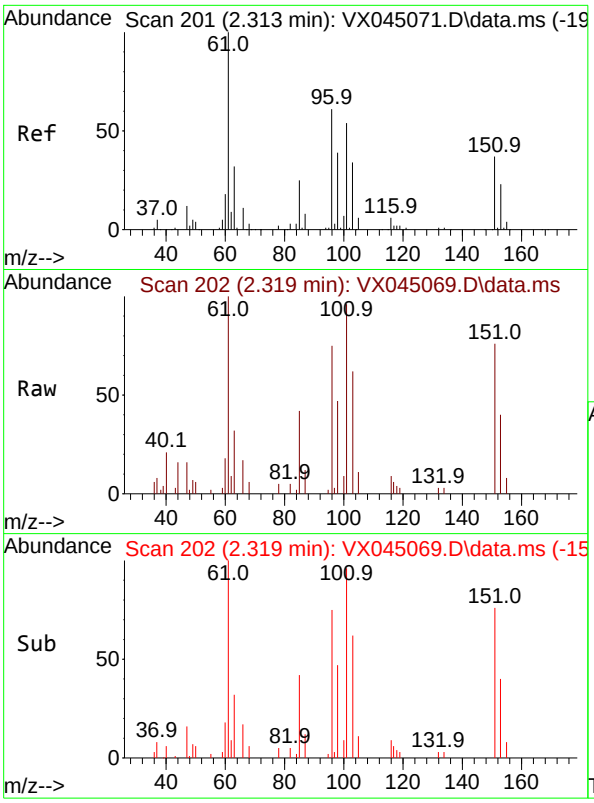


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314

Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.5	154.5

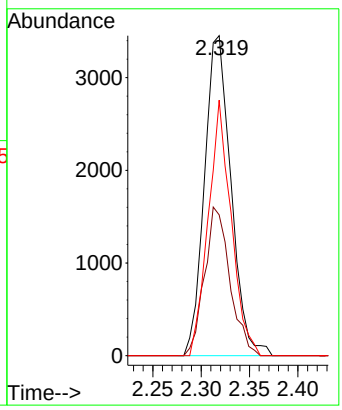




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:101 Resp: 658(

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



Instrument :
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ClientSampleId :
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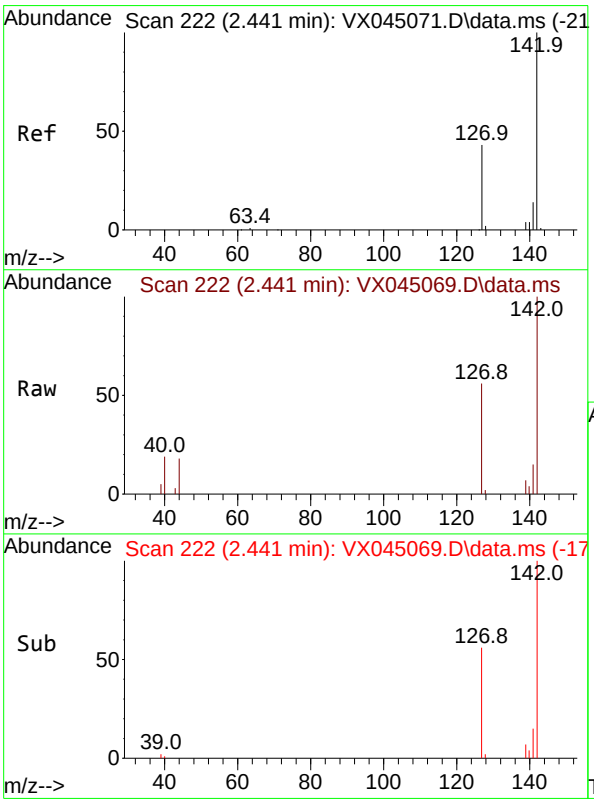
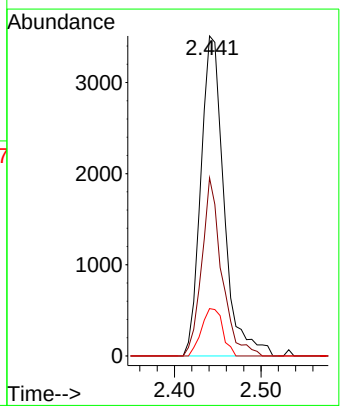
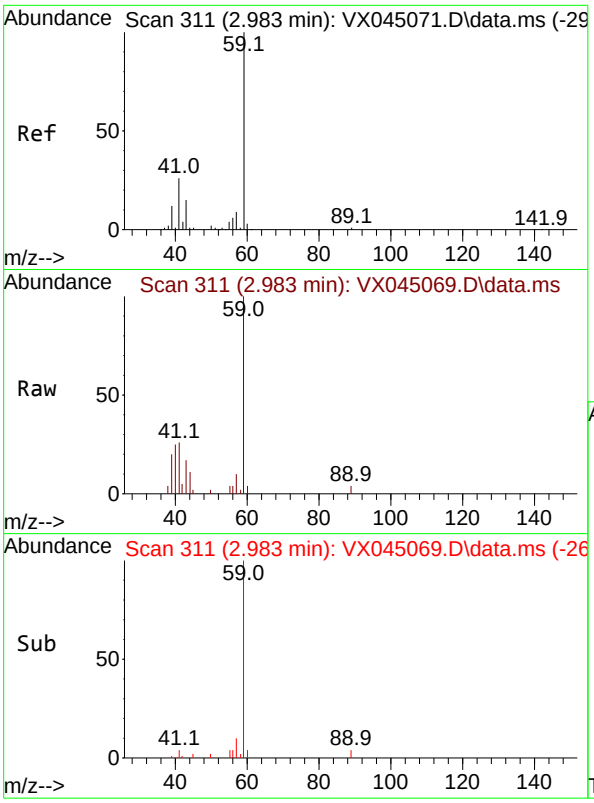


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:142 Resp: 6520

Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.4	53.2
141	13.5	11.6	17.4

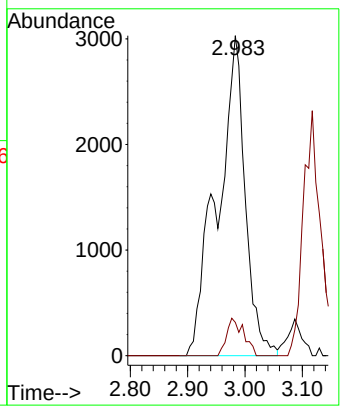




#11
Tert butyl alcohol
Concen: 34.976 ug/l m
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 59 Resp: 1016

Ion	Ratio	Lower	Upper
59	100		
57	7.2	7.8	11.8



Instrument :
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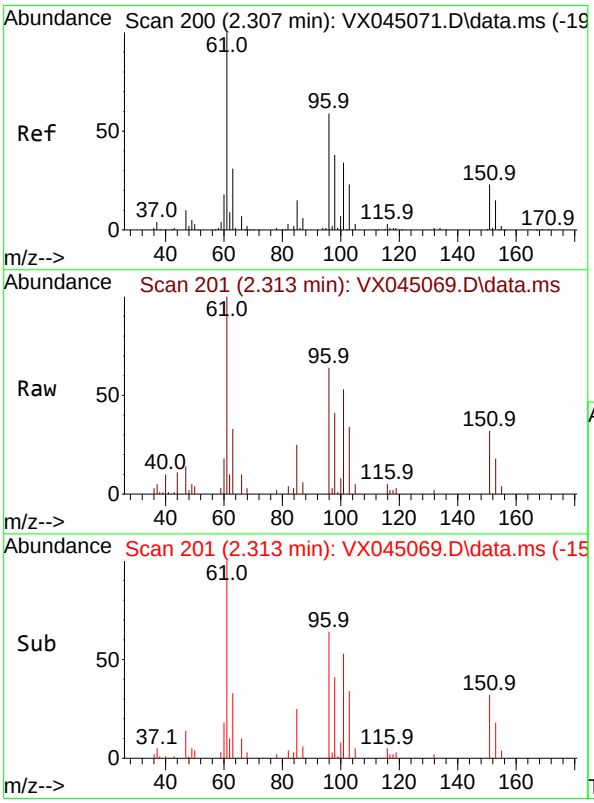
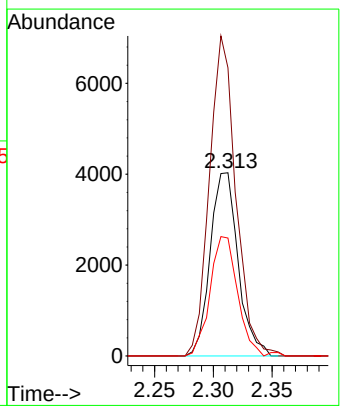
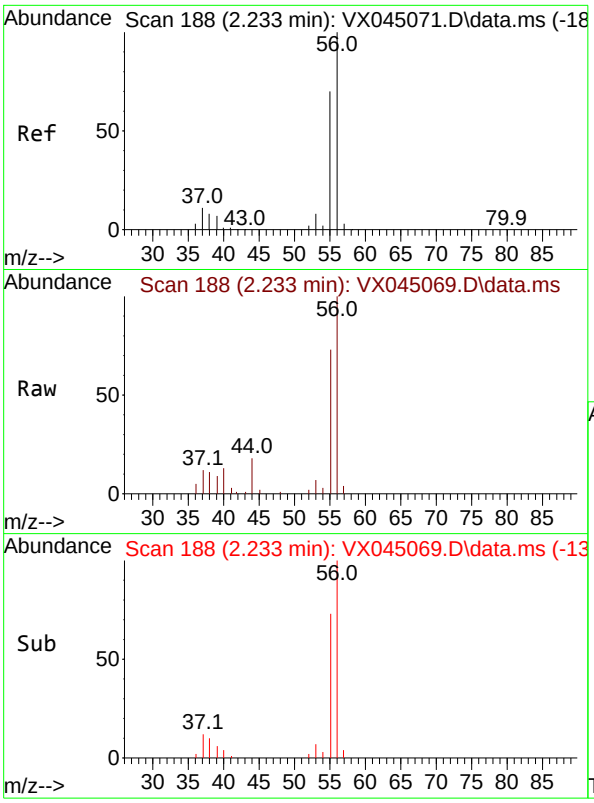


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 6658

Ion	Ratio	Lower	Upper
96	100		
61	157.3	134.6	202.0
98	64.3	51.0	76.6

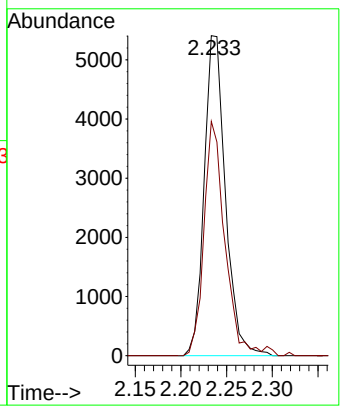




#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 56 Resp: 872

Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4



Instrument :
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ClientSampleId :
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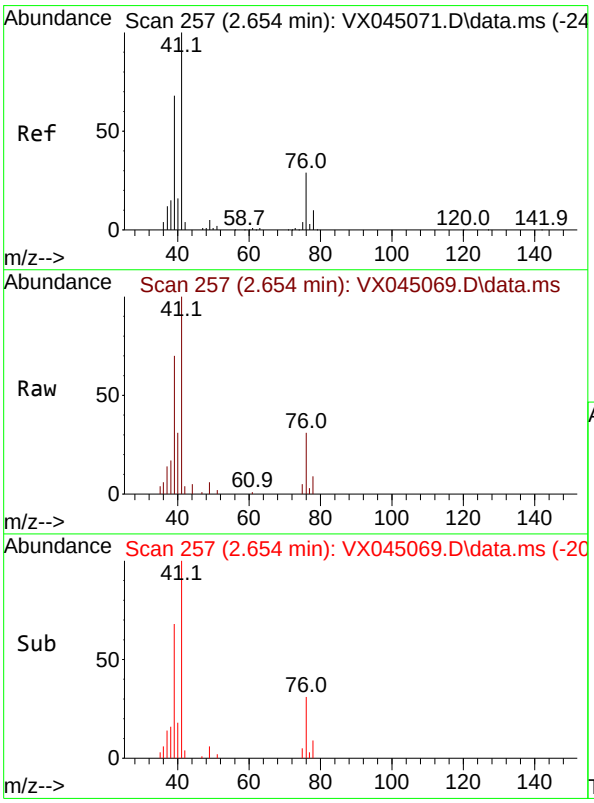
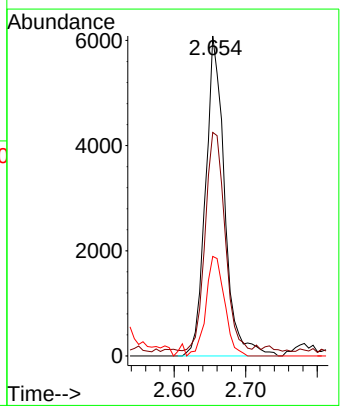
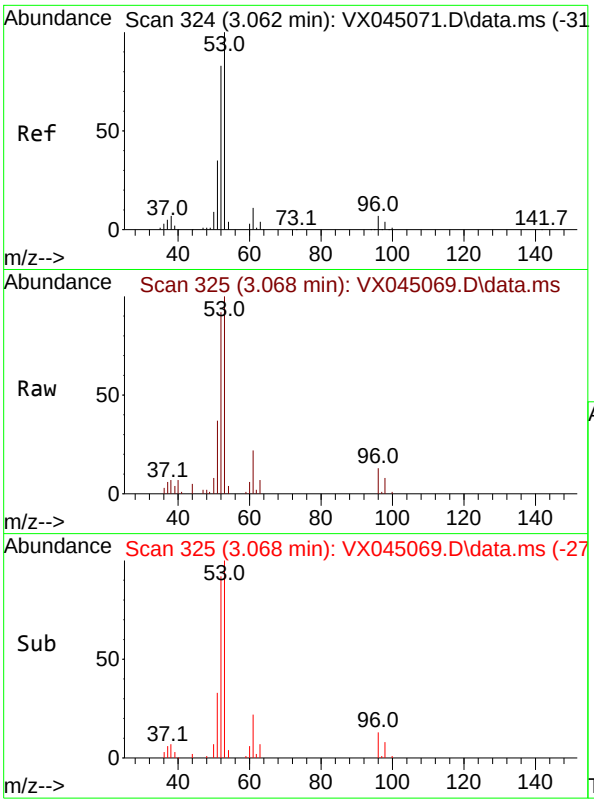


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 11244

Ion	Ratio	Lower	Upper
41	100		
39	70.8	53.8	80.8
76	30.4	25.2	37.8

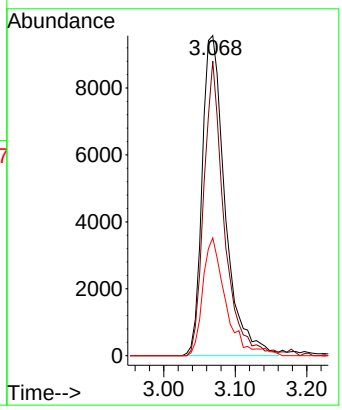




#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 53 Resp: 2138

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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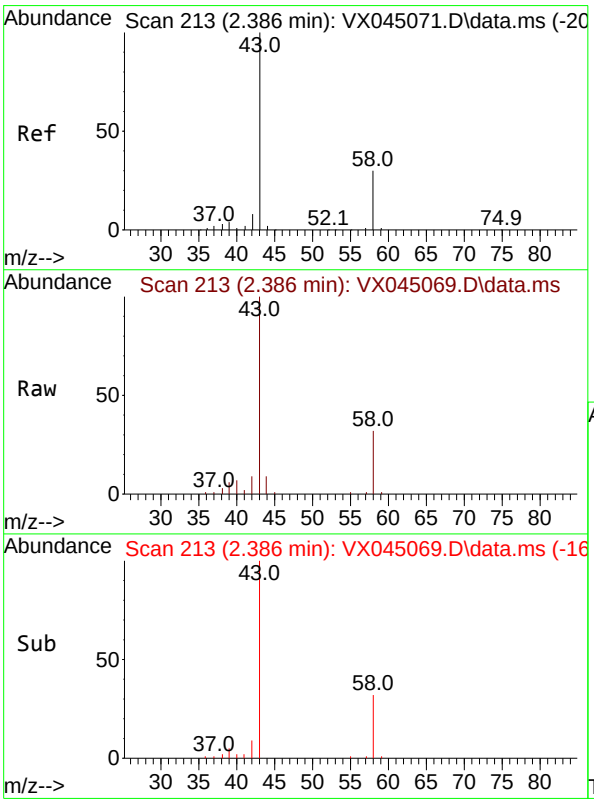
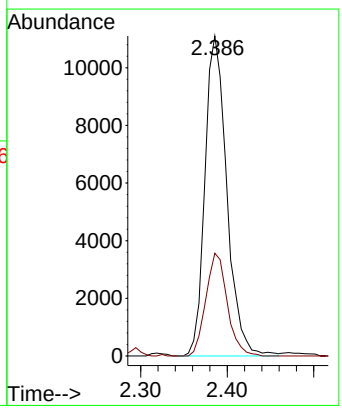
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

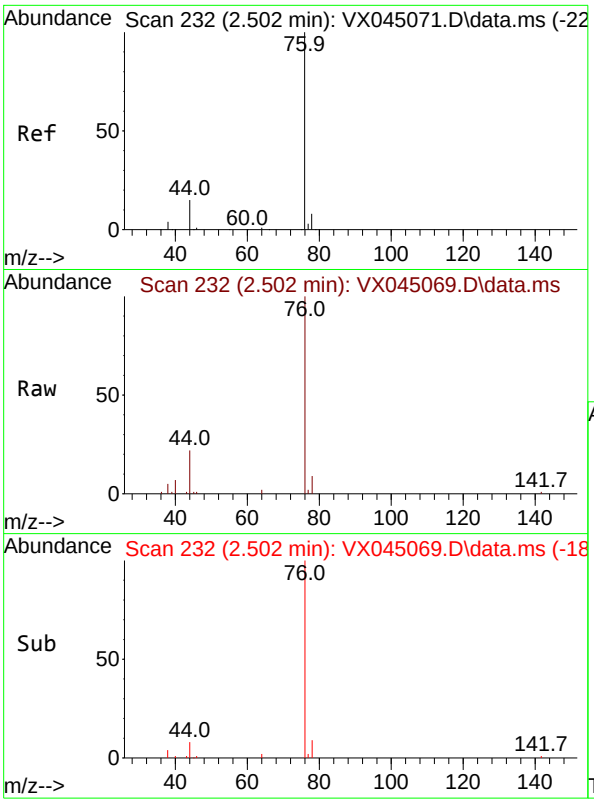


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 19512

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4





#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 76 Resp: 1698

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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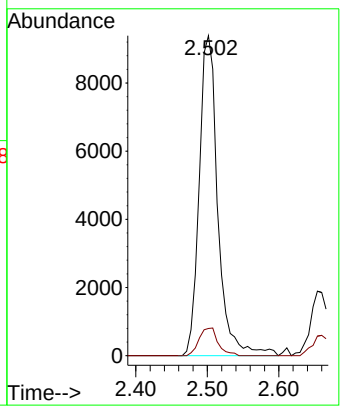
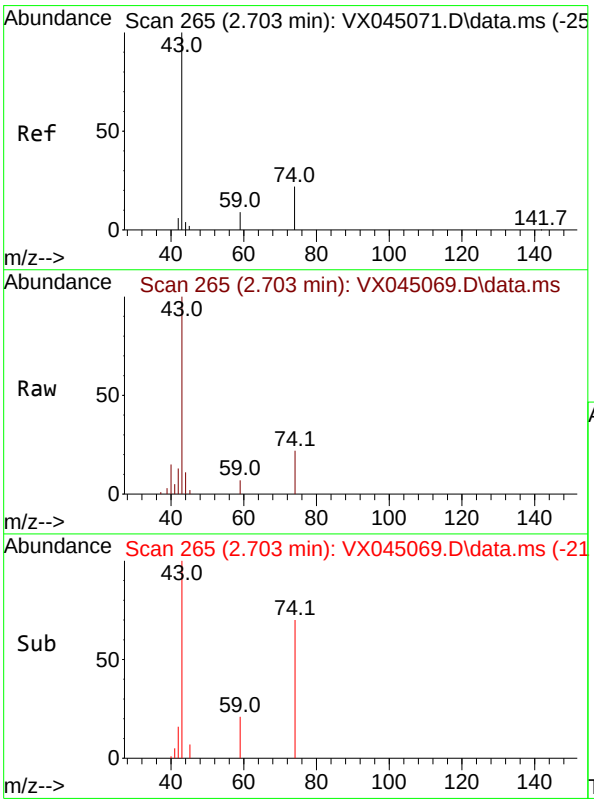
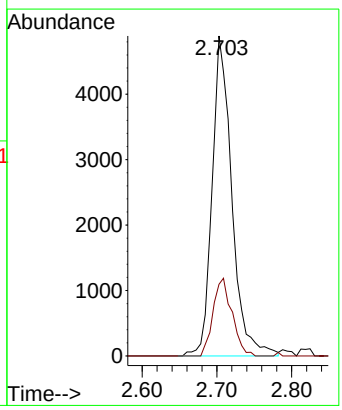


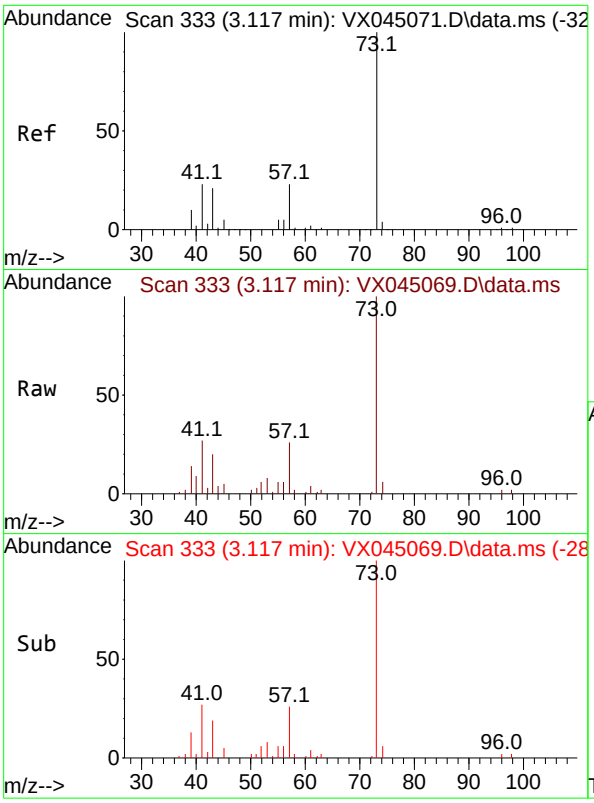


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8964

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 73 Resp: 2054

Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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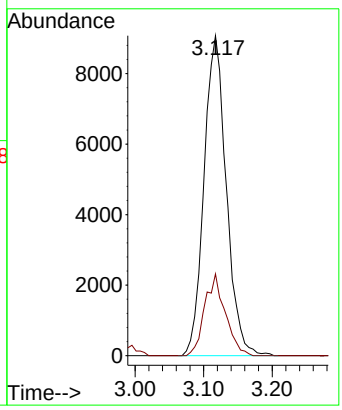
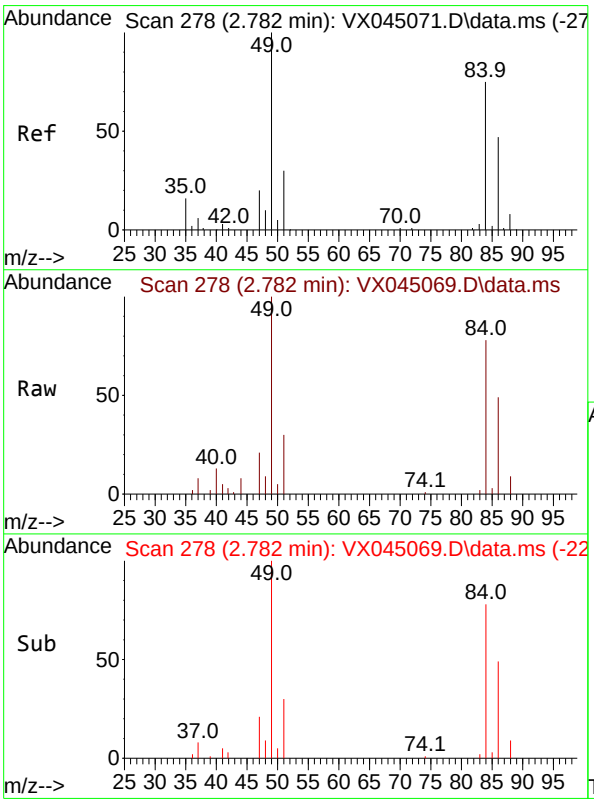
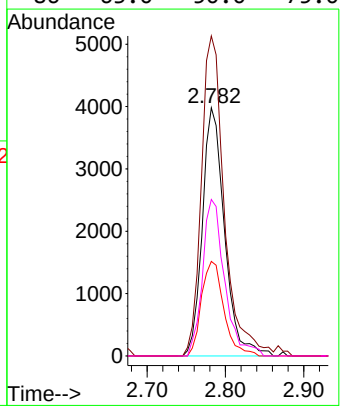


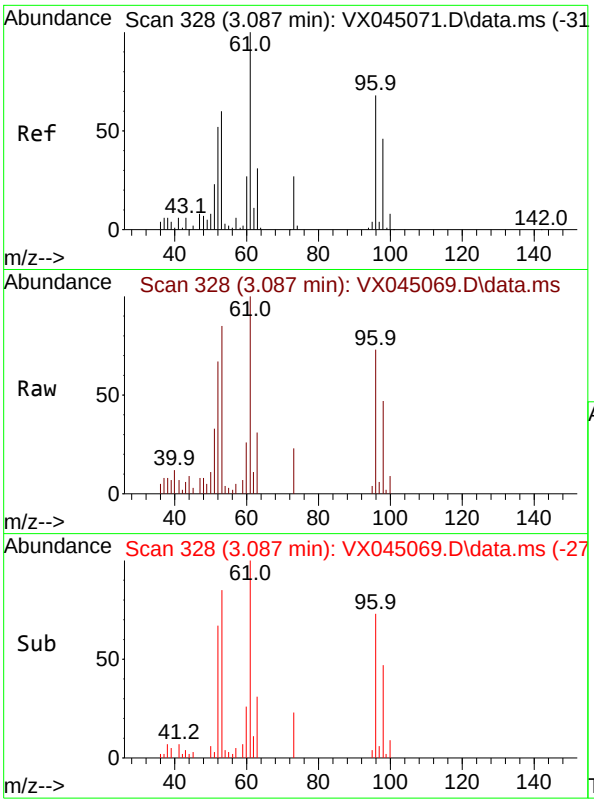


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 84 Resp: 7835

Ion	Ratio	Lower	Upper
84	100		
49	128.9	106.5	159.7
51	38.1	32.1	48.1
86	63.0	50.0	75.0





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

Tgt Ion: 96 Resp: 665

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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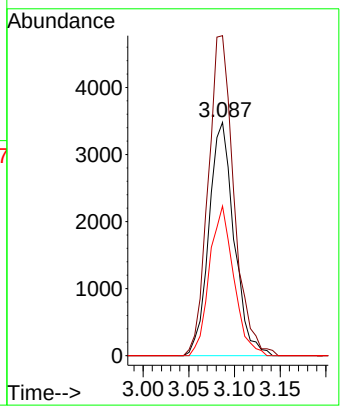
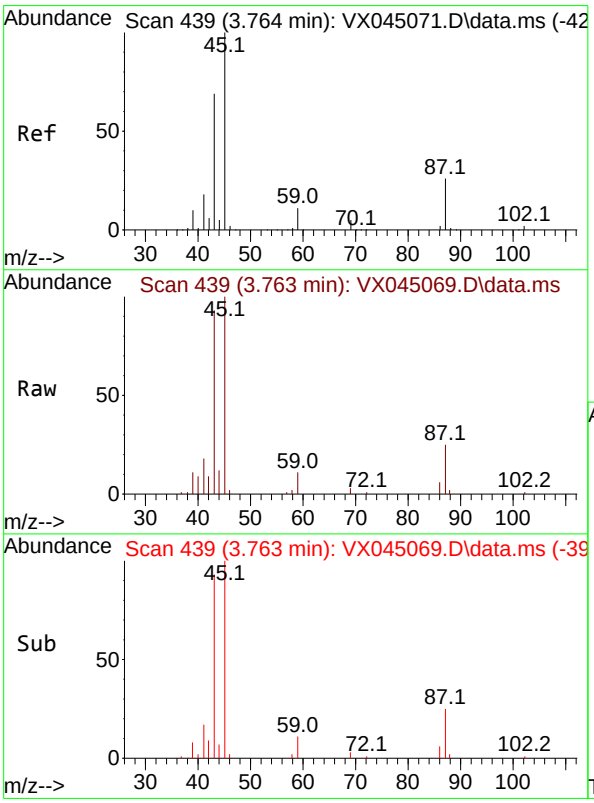
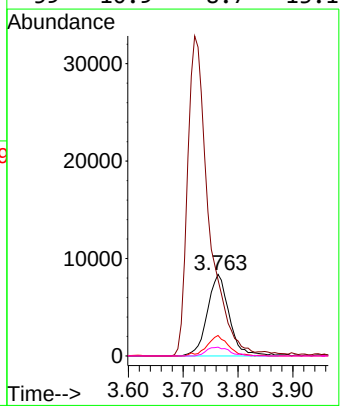


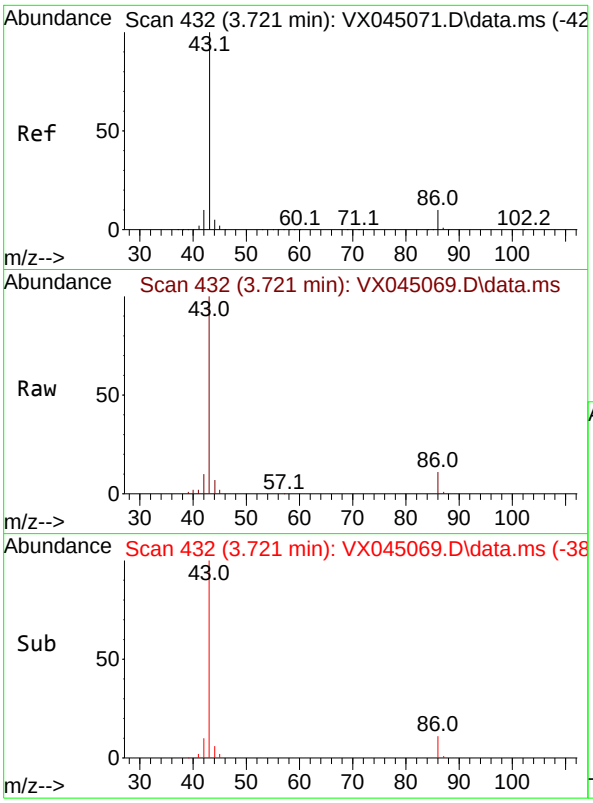


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 45 Resp: 23151

Ion	Ratio	Lower	Upper
45	100		
43	90.2	54.9	82.3#
87	25.1	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8885

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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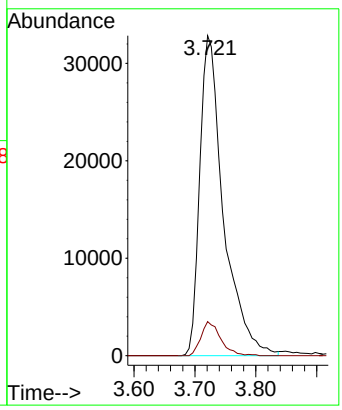
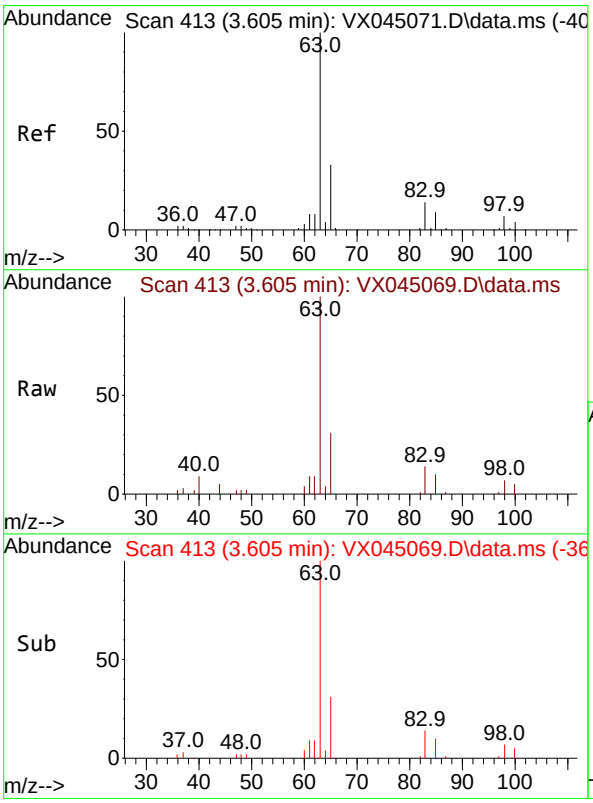
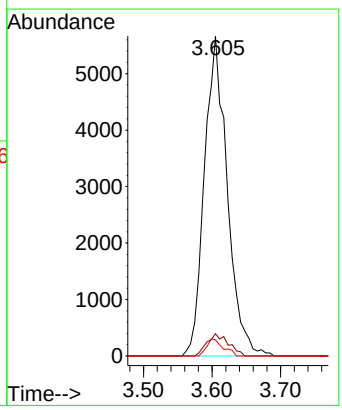


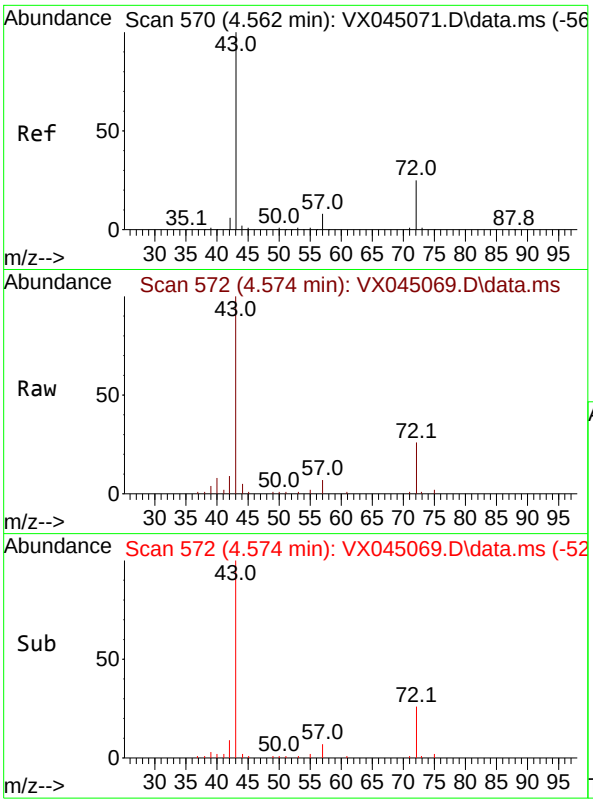


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 13132

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	5.1	2.1	6.5





#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 2927

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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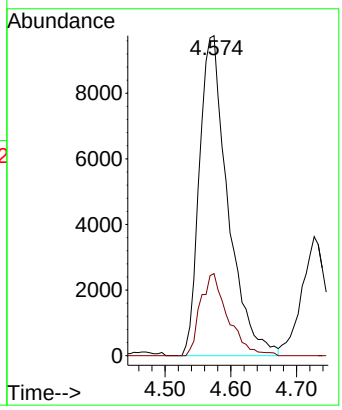
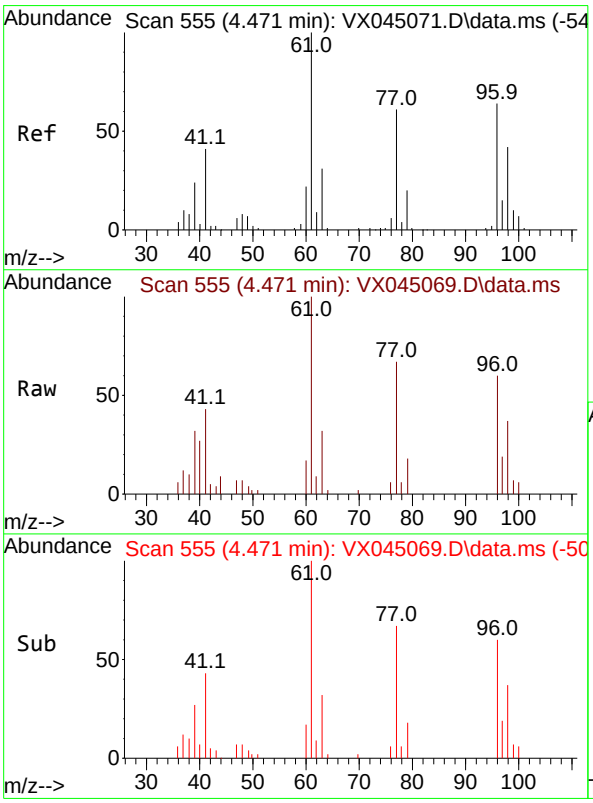
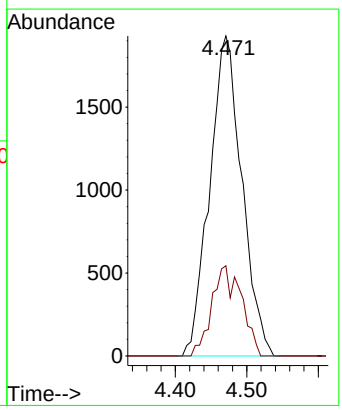


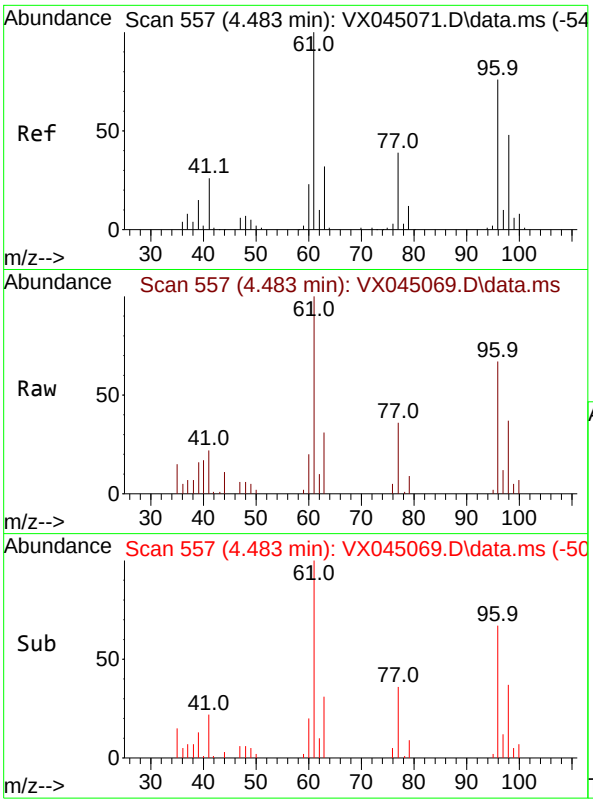


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 77 Resp: 6034

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.4	37.0

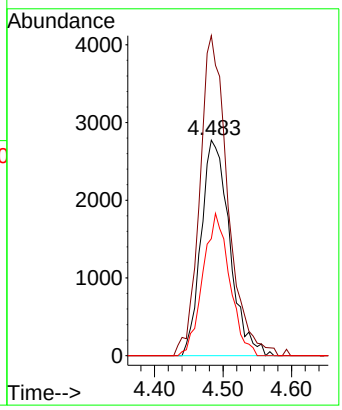




#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 801

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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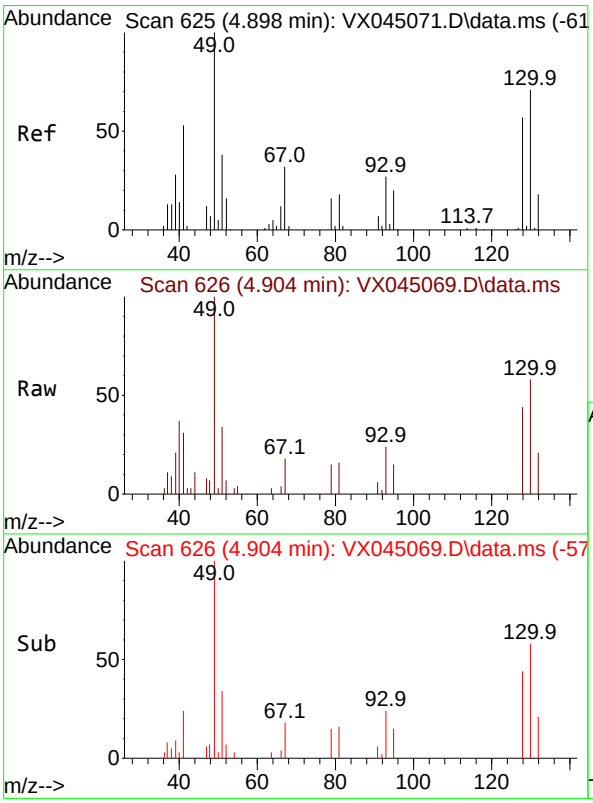
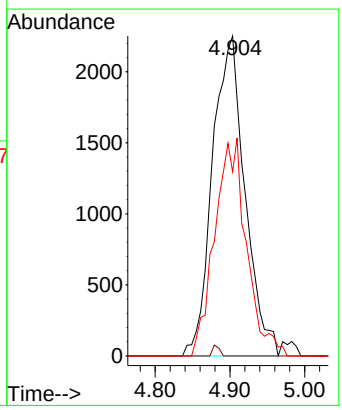
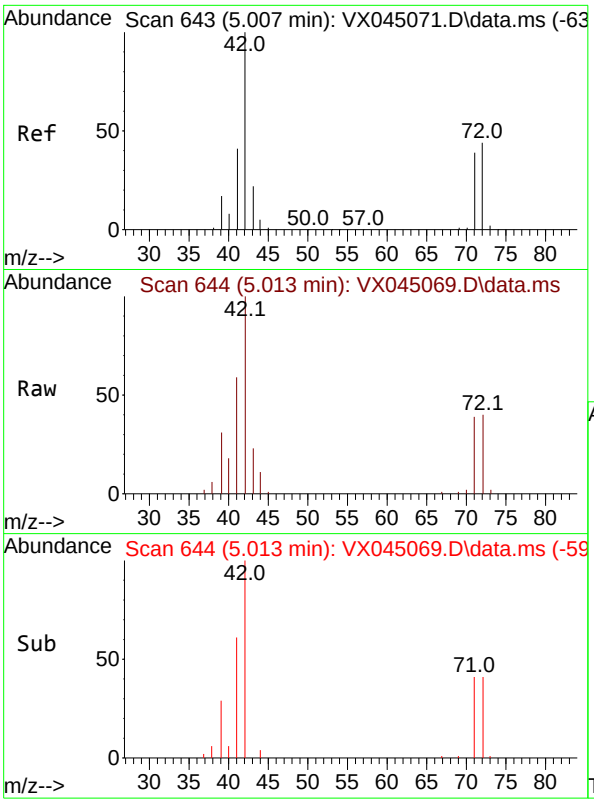


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 49 Resp: 6797

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	66.5	56.1	84.1

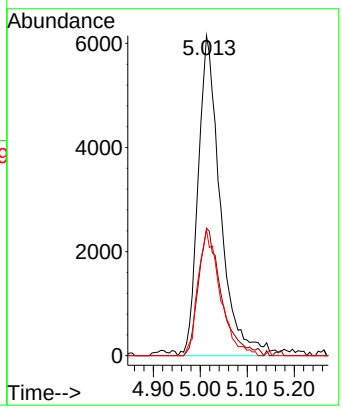




#29
Tetrahydrofuran
Concen: 28.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 42 Resp: 2018

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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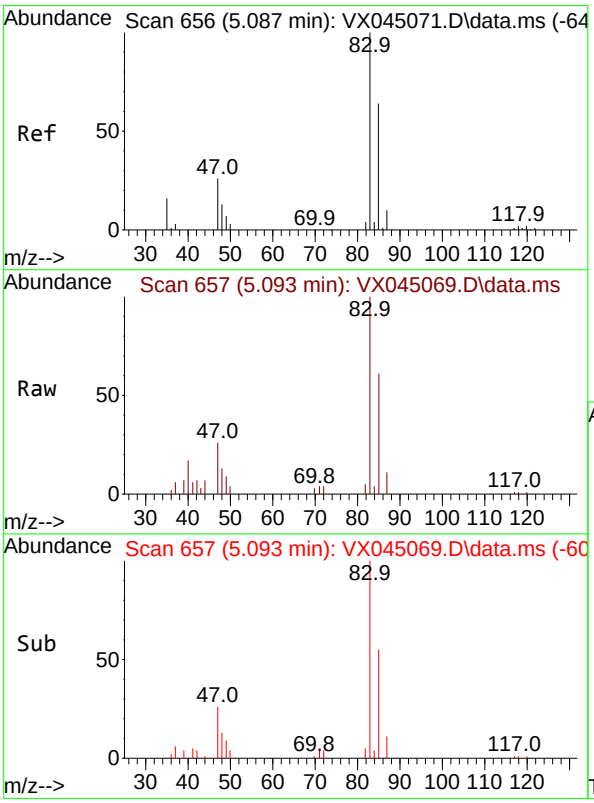
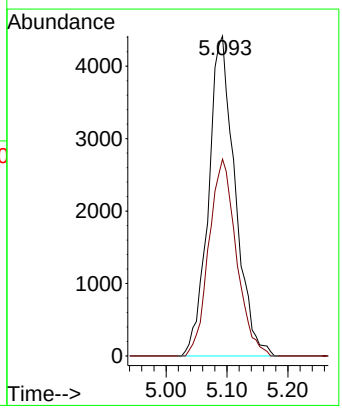
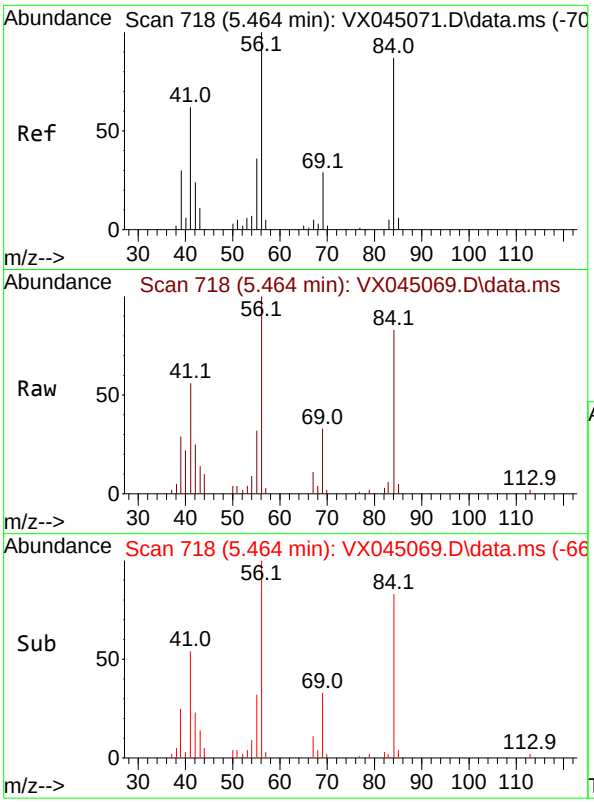


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 13390

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2

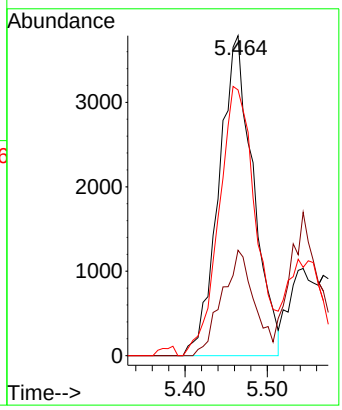




#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 56 Resp: 1096

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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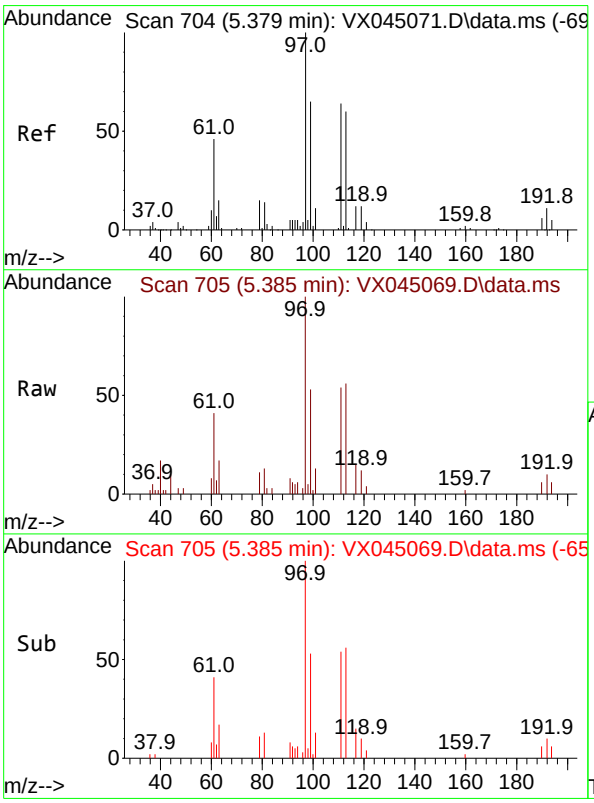
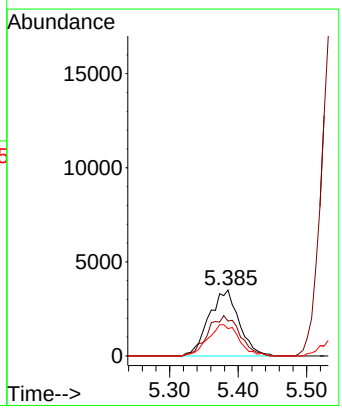
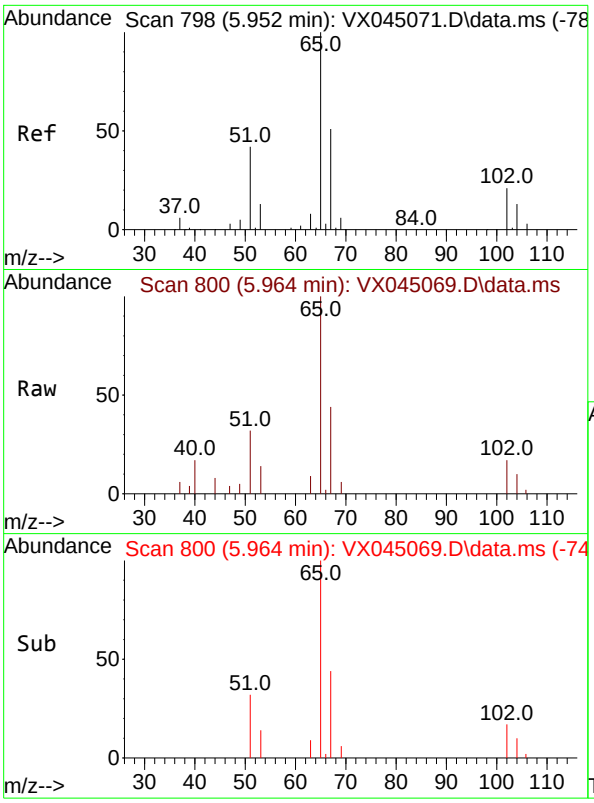


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 10654

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.7	38.4	57.6

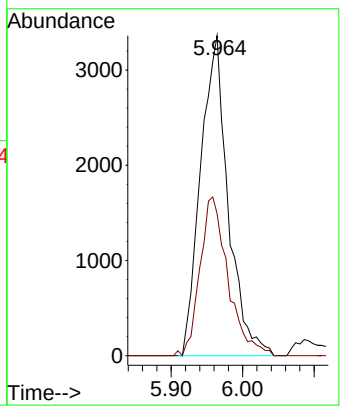




#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 65 Resp: 897

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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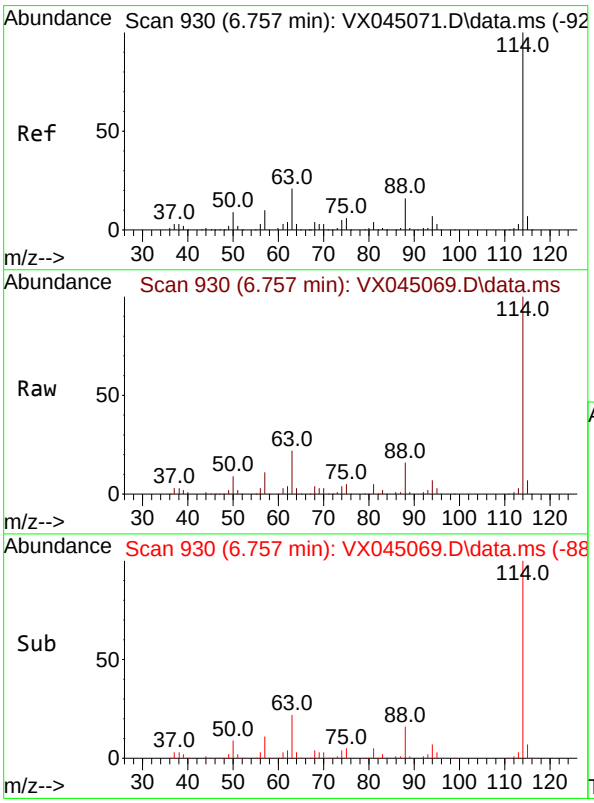
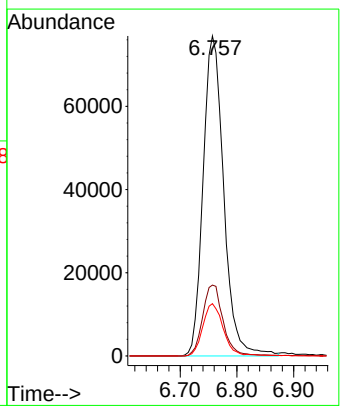
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

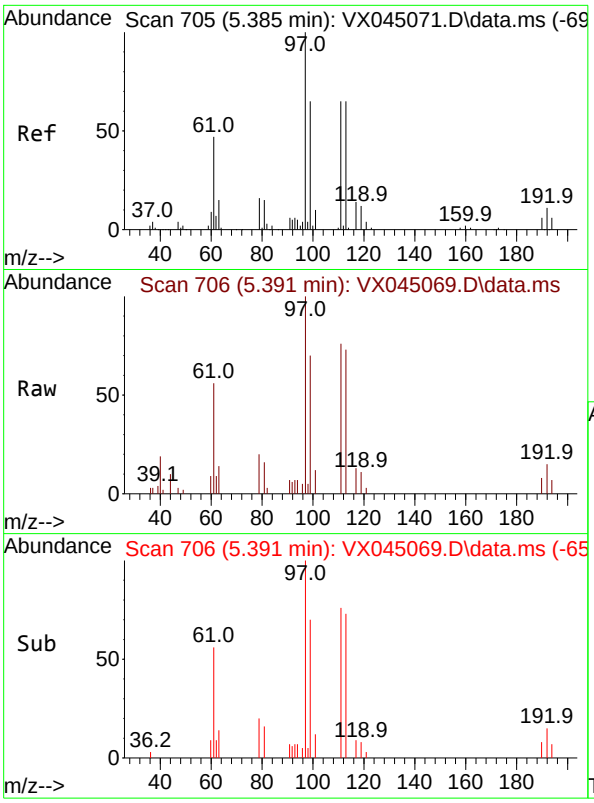


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:114 Resp: 194243

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	16.4	0.0	32.8

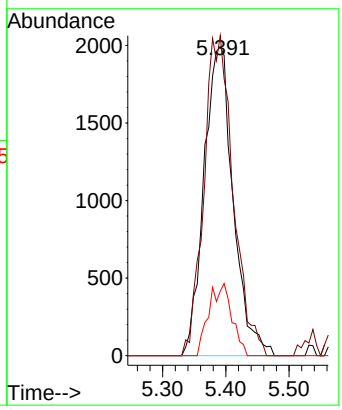




#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:113 Resp: 639

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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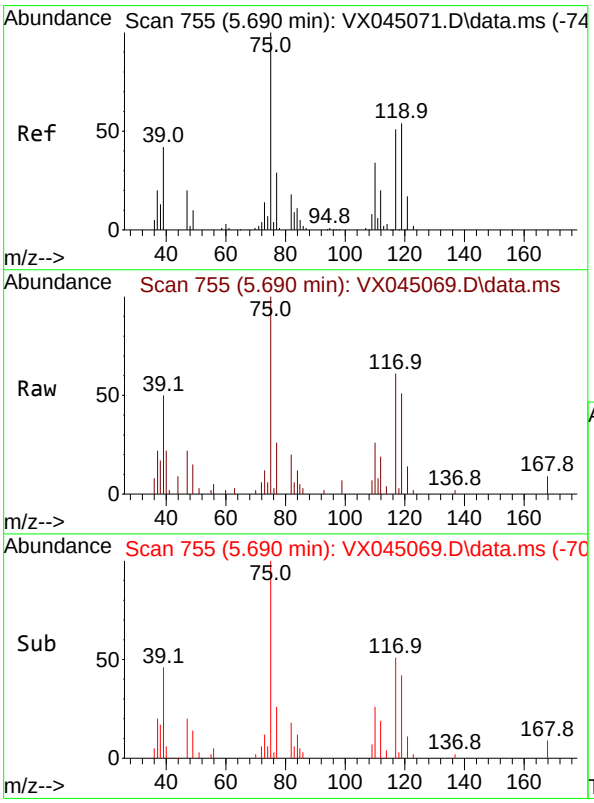
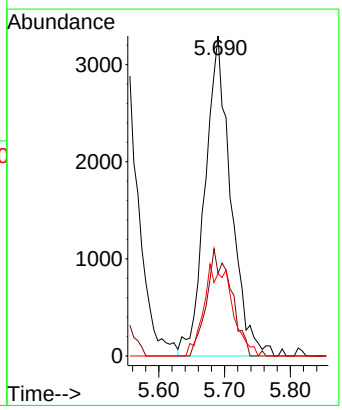
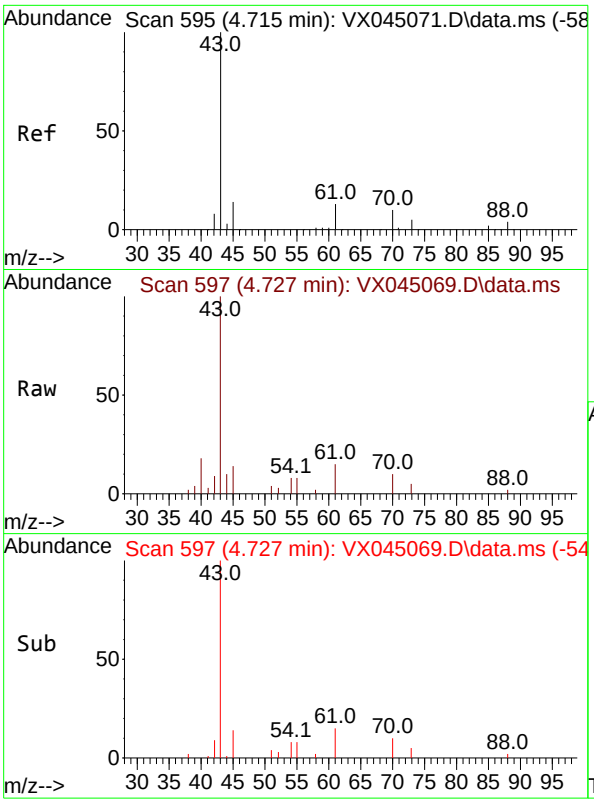


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8977

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.9	50.6
77	13.2	24.5	36.7#

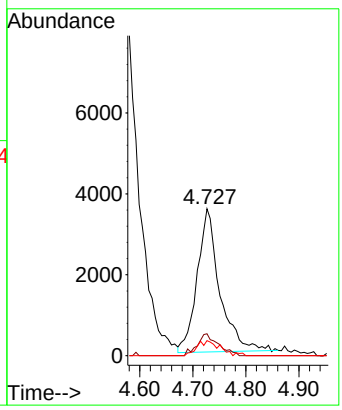




#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1045

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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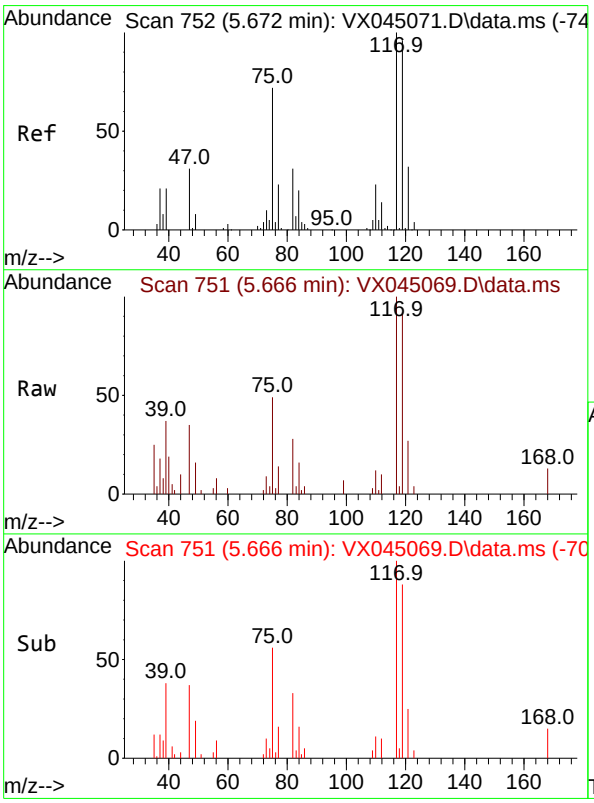
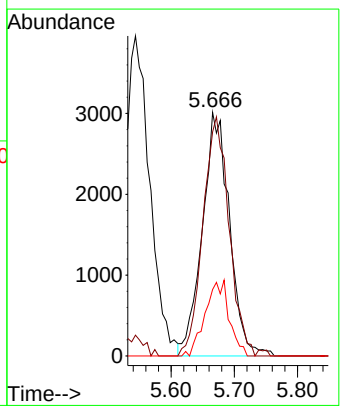
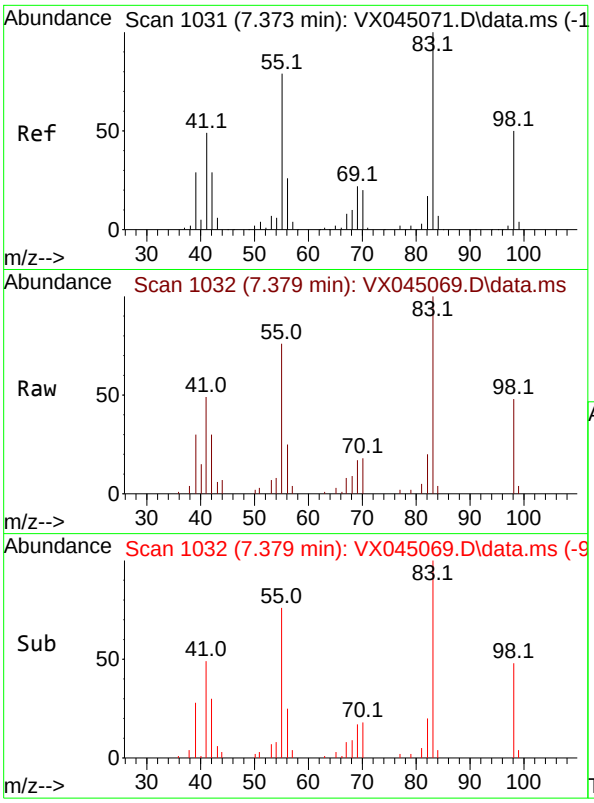


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 8997

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.7	115.1
121	27.2	25.5	38.3

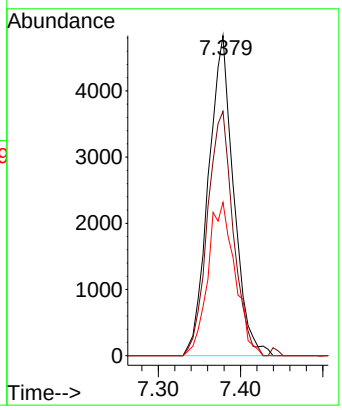




#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1029

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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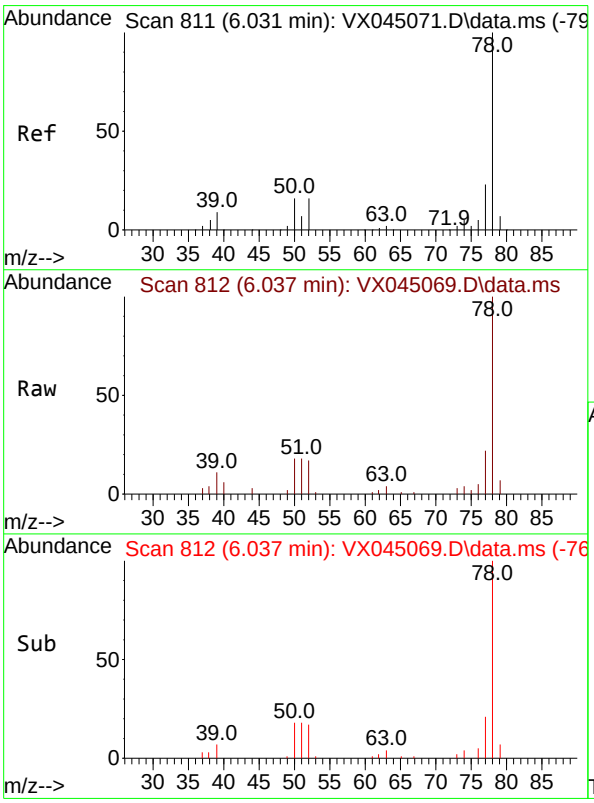
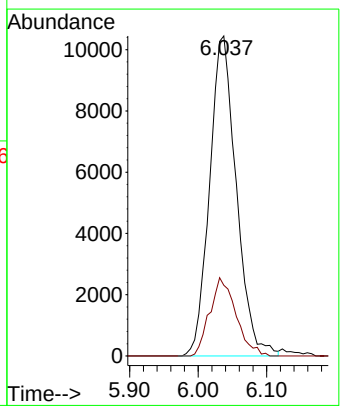
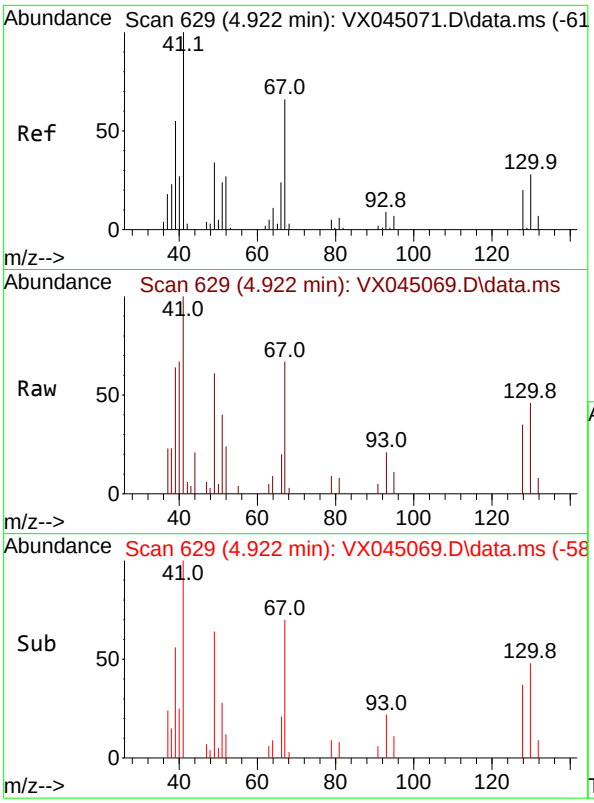


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 78 Resp: 28339

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2

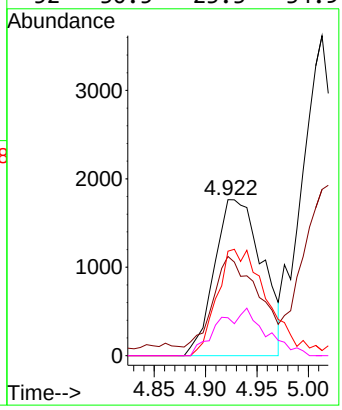




#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 570

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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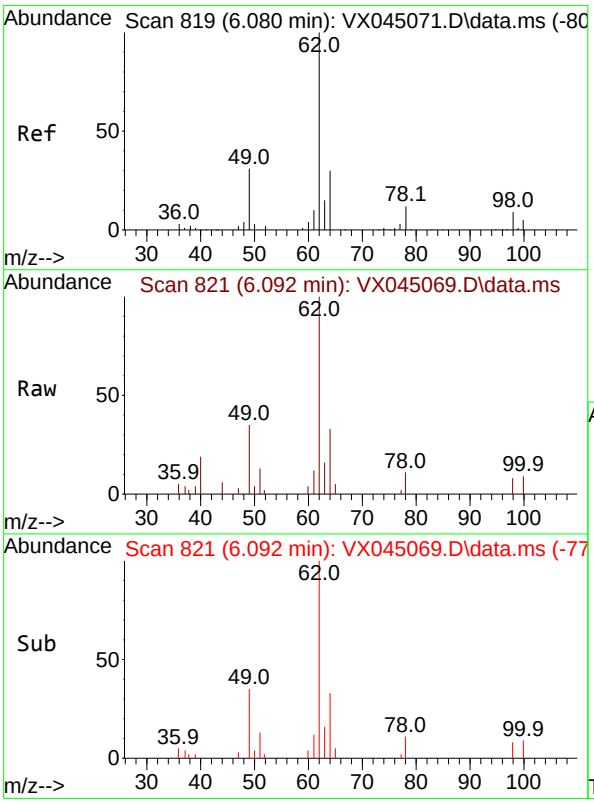
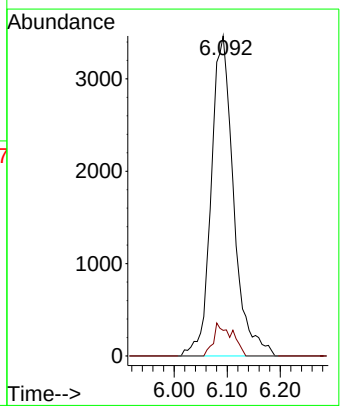
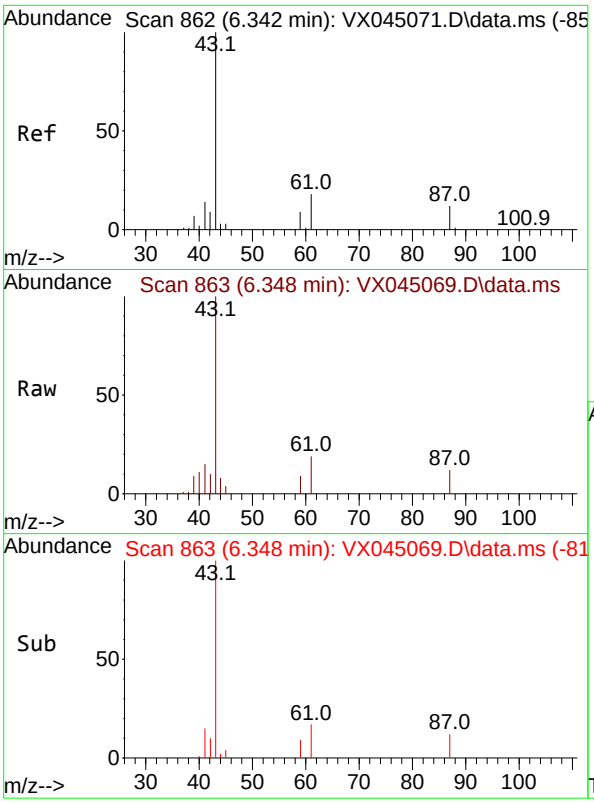


#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 10189

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2

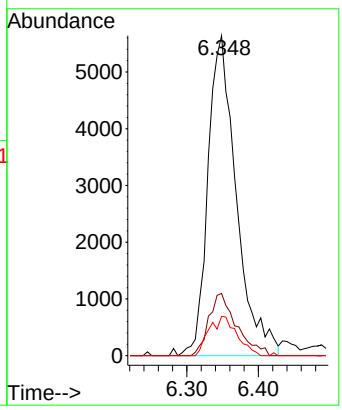




#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1554

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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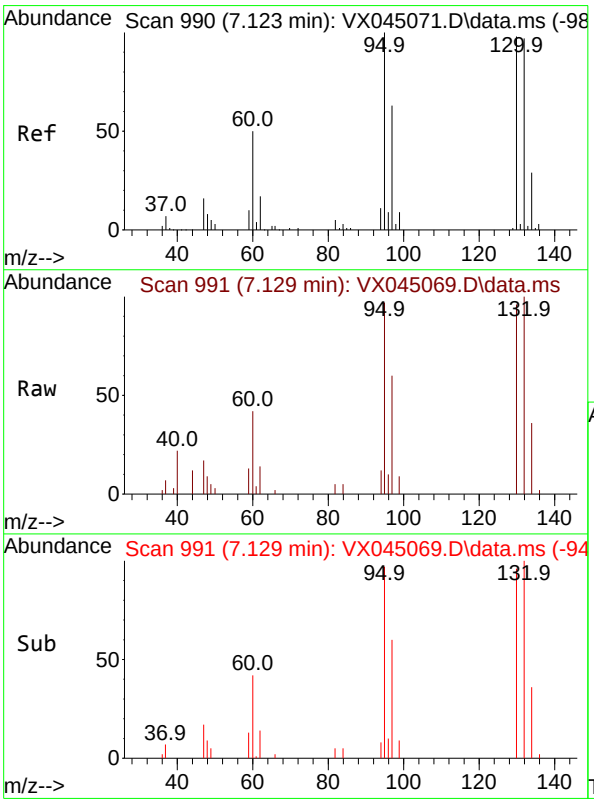
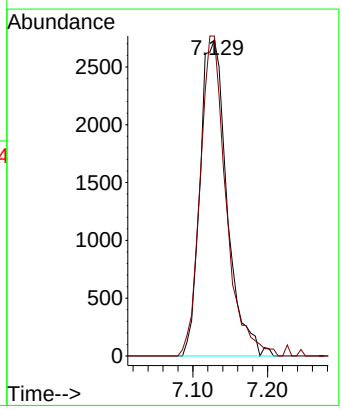
Supervised By :Mahesh Dadoda 02/28/2025

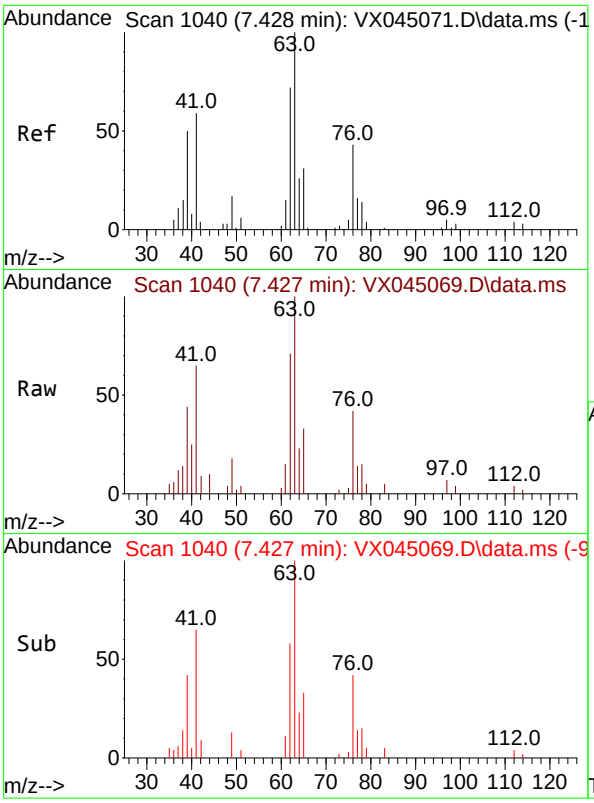


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0

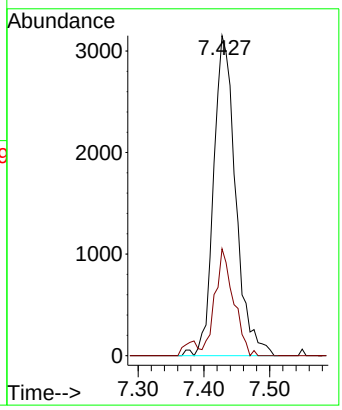




#45
1,2-Dichloropropane
Concen: 5.177 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 734

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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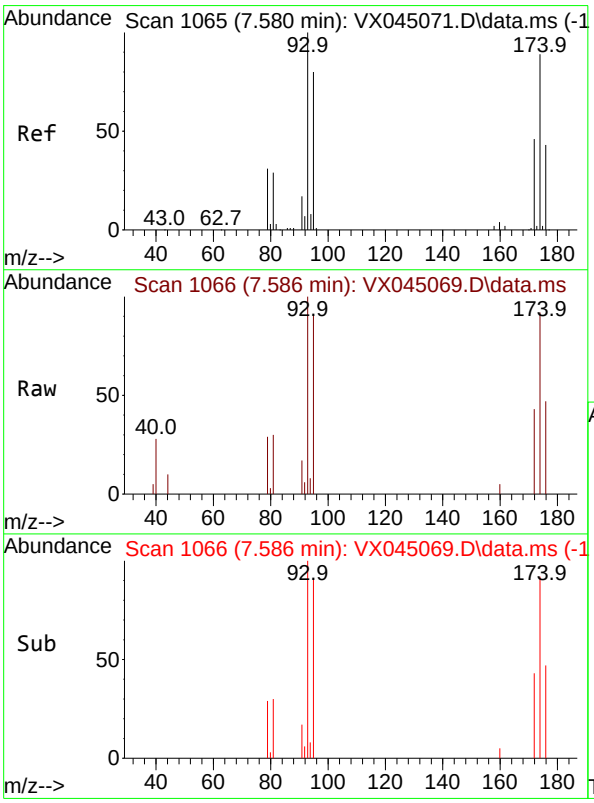
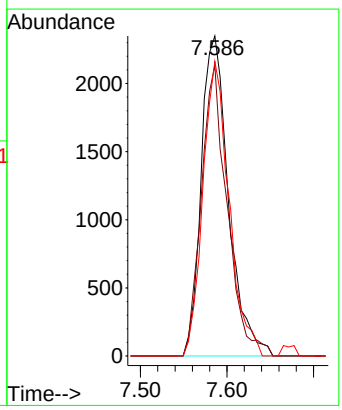
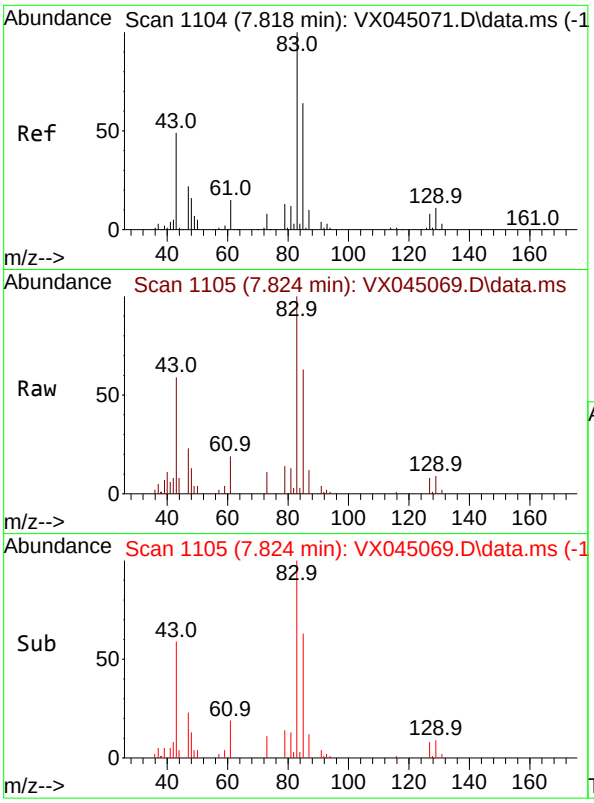


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 93 Resp: 5146

Ion	Ratio	Lower	Upper
93	100		
95	86.2	65.8	98.8
174	88.2	72.2	108.2

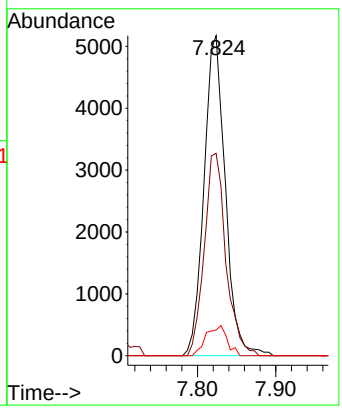




#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 977

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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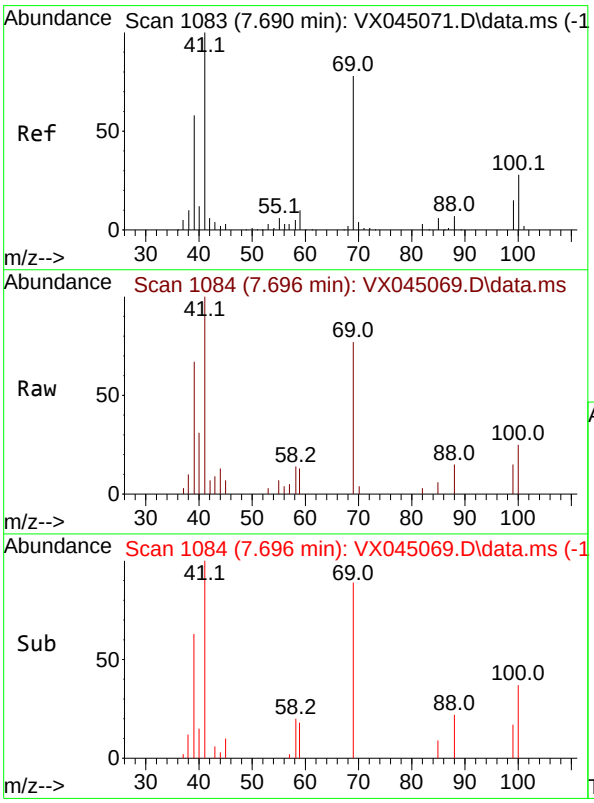
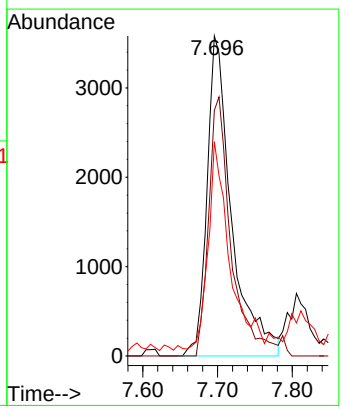
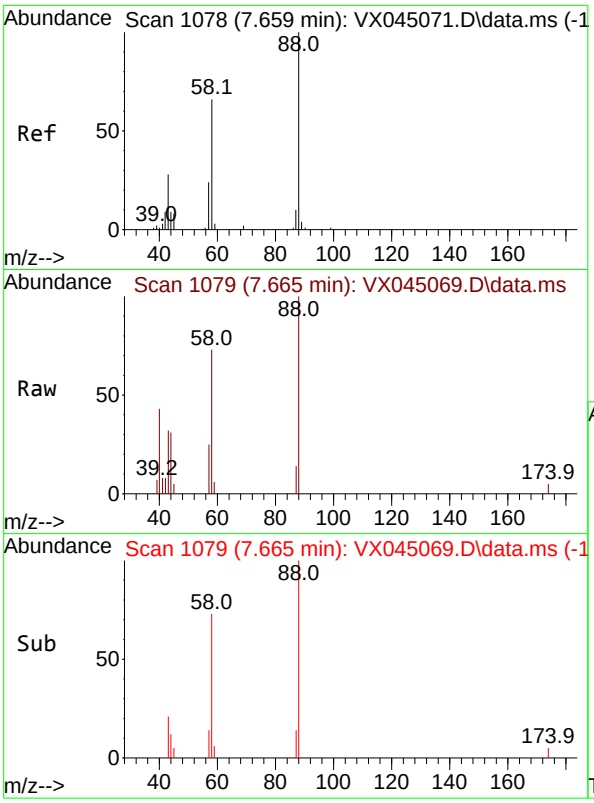


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 8201

Ion	Ratio	Lower	Upper
41	100		
69	74.0	63.0	94.6
39	55.4	47.5	71.3

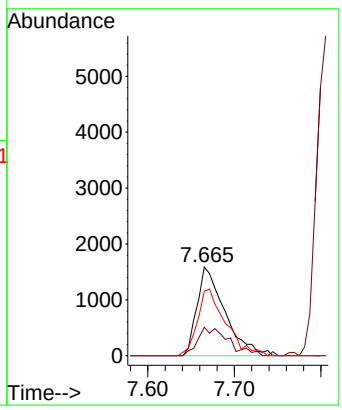




#49
1,4-Dioxane
Concen: 105.826 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 88 Resp: 353

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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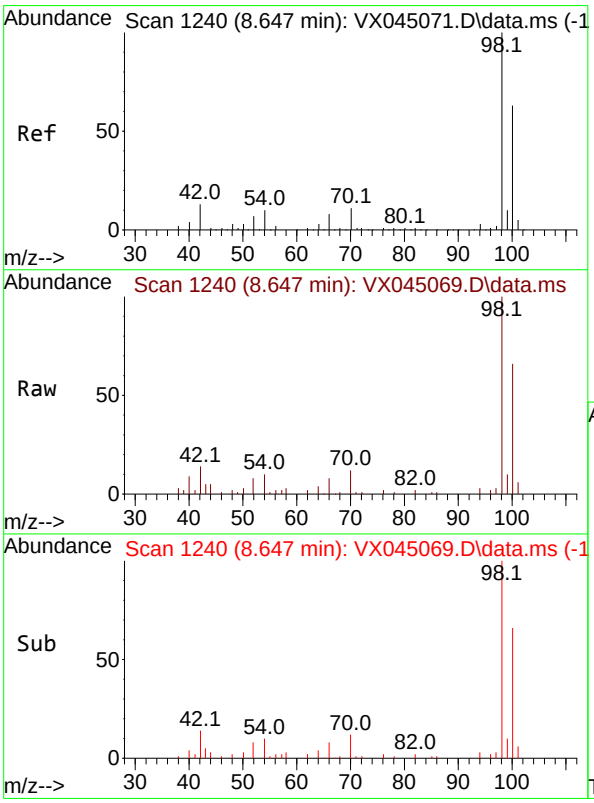
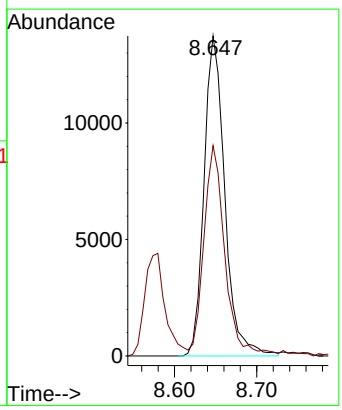
Supervised By :Mahesh Dadoda 02/28/2025

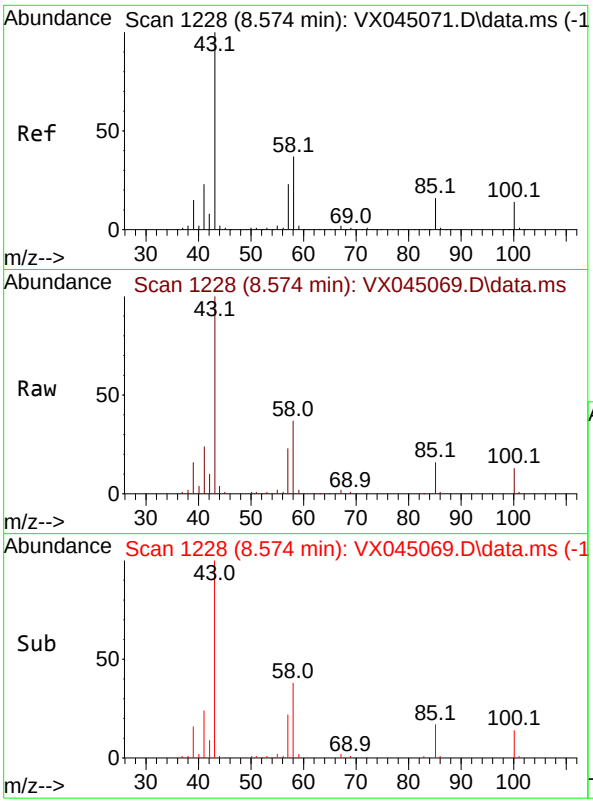


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 98 Resp: 24037

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

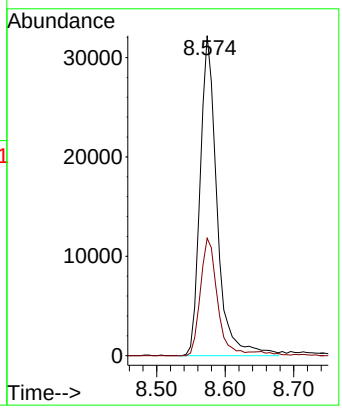




#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 5532

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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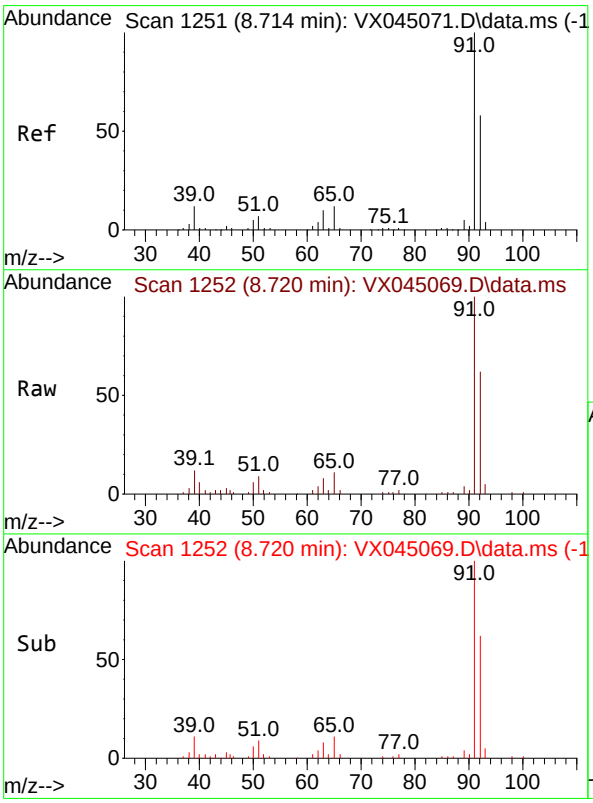
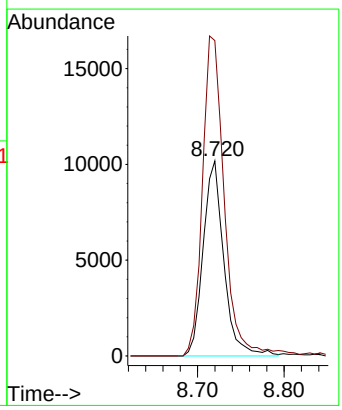
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

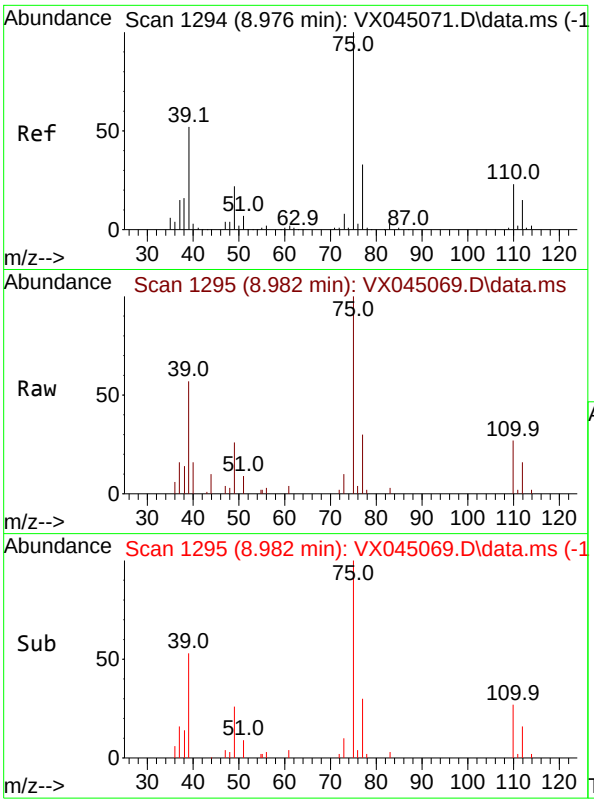


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3

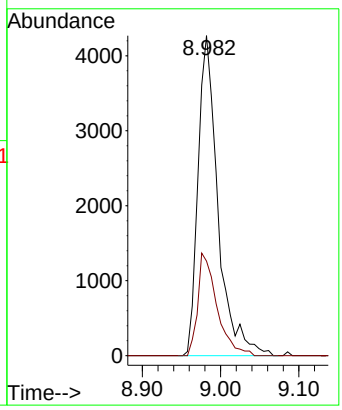




#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 754

Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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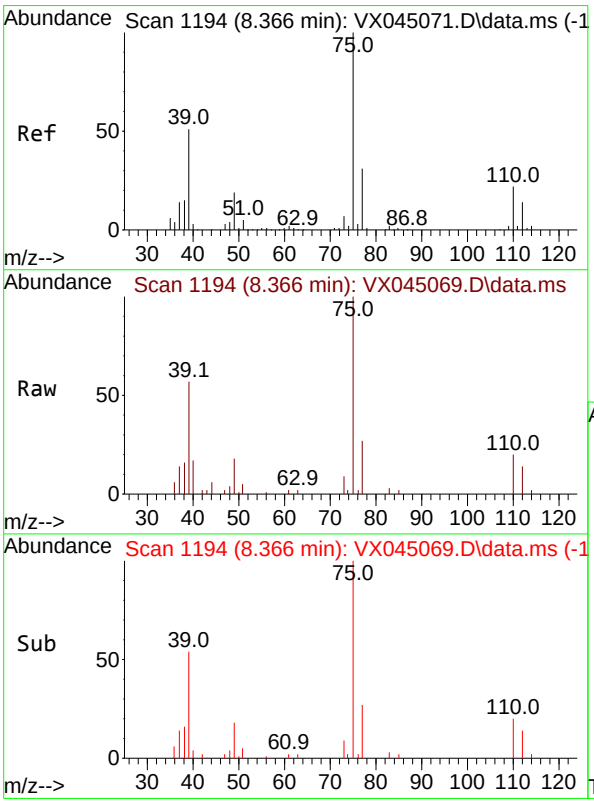
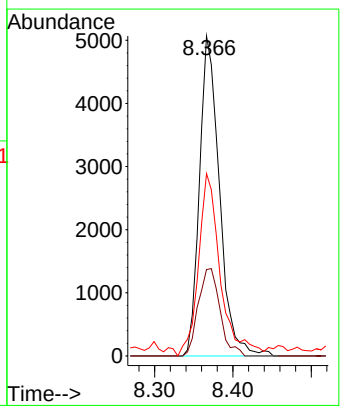
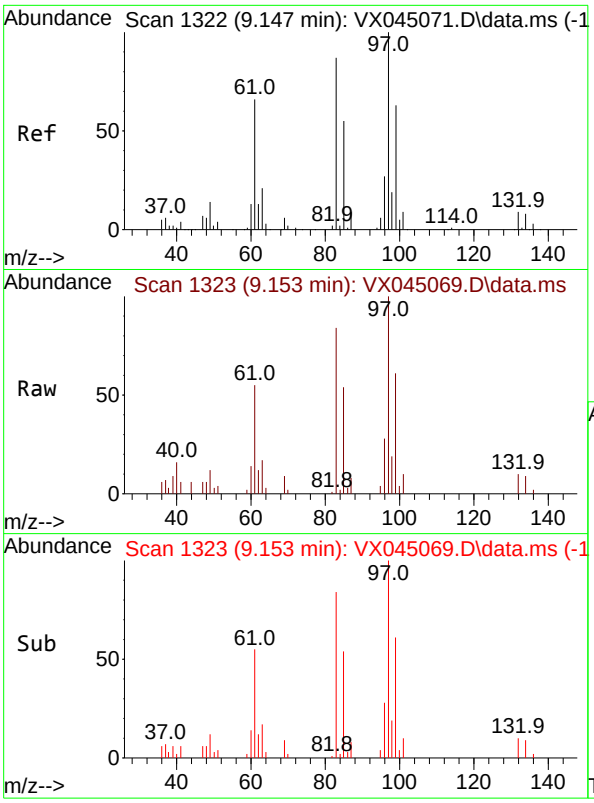


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8988

Ion	Ratio	Lower	Upper
75	100		
77	27.0	24.7	37.1
39	57.0	40.7	61.1

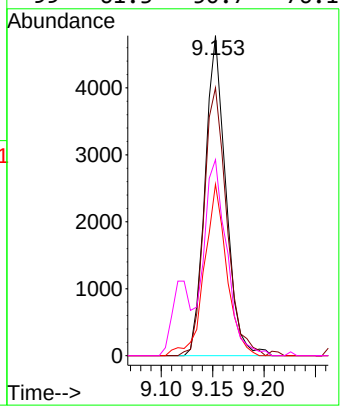




#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 675

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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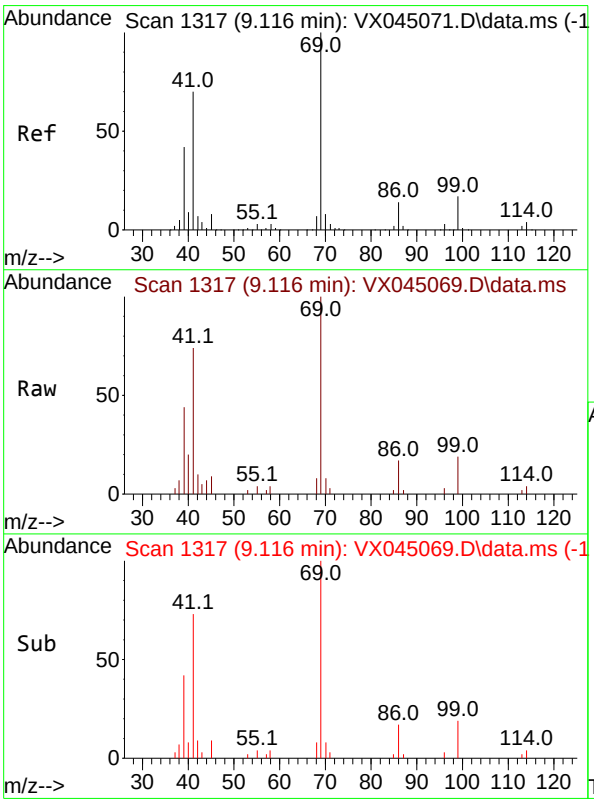
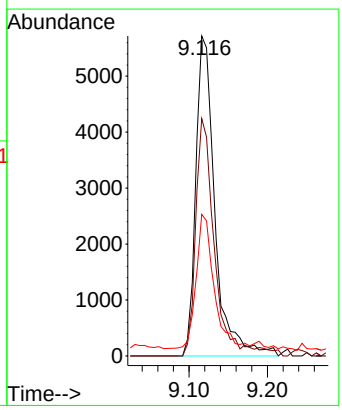
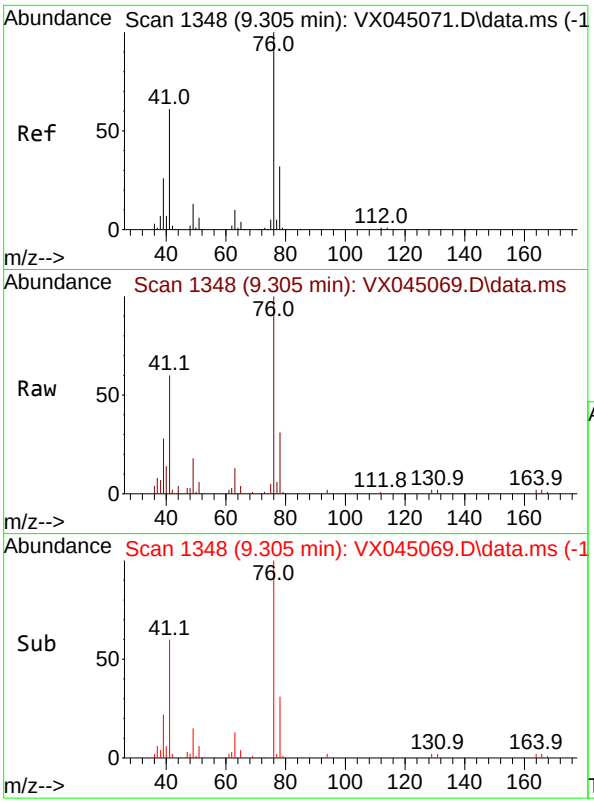


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 69 Resp: 9712

Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.0	85.4
39	39.2	34.2	51.4

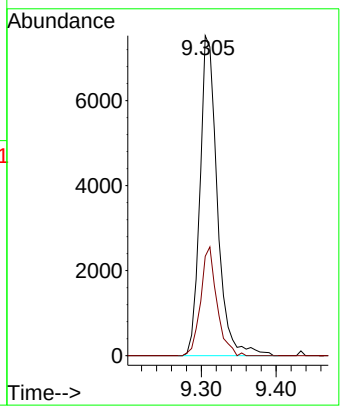




#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 76 Resp: 1210

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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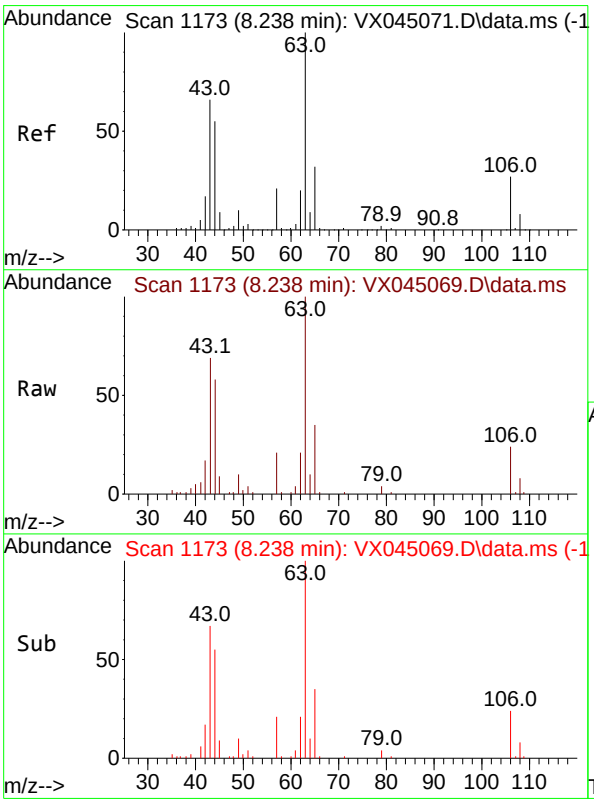
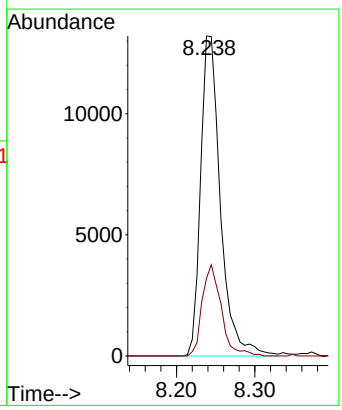
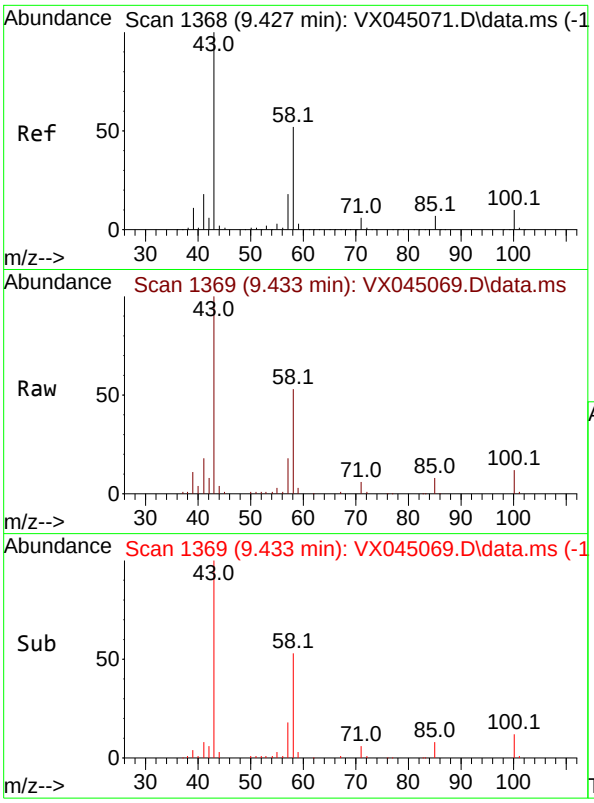


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 23212

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.5	32.3





#59
2-Hexanone
Concen: 27.363 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 3999

Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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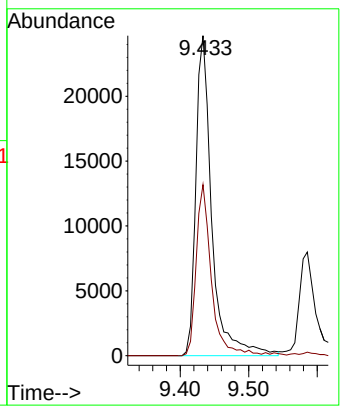
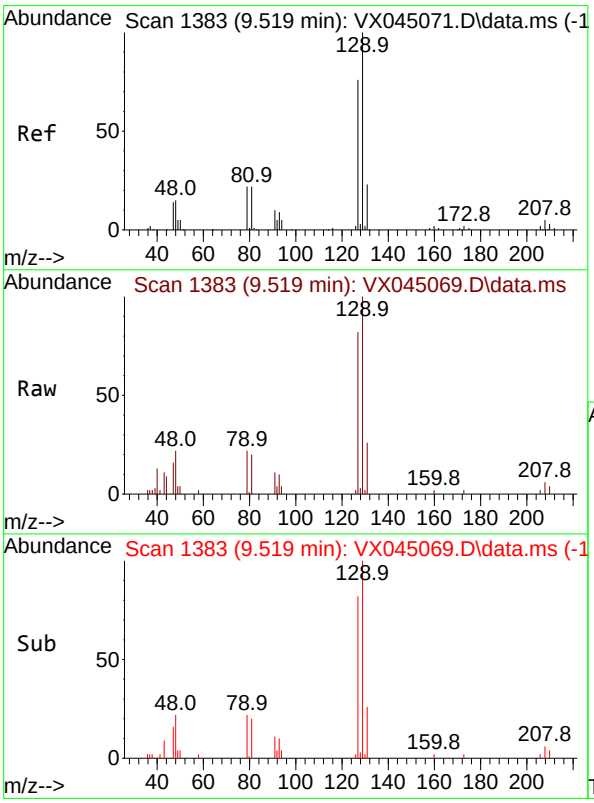
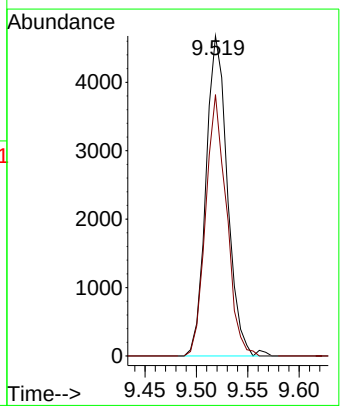


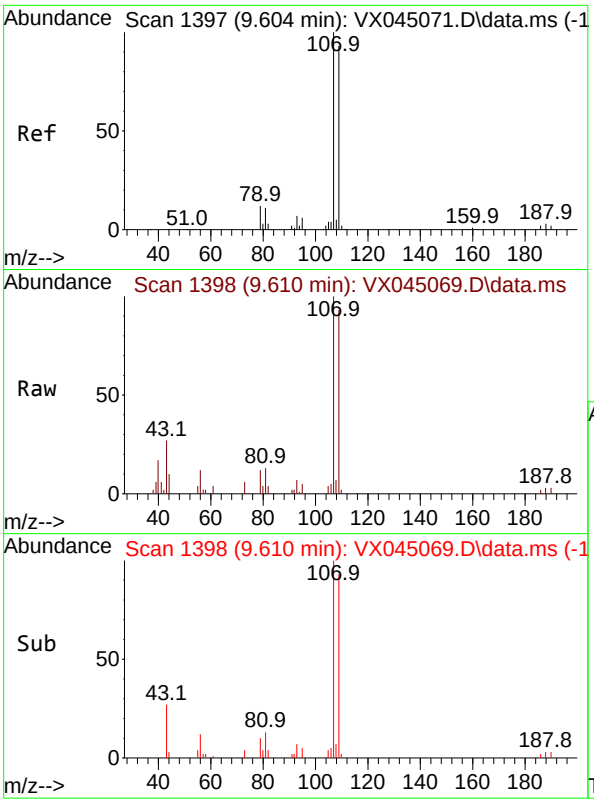


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5

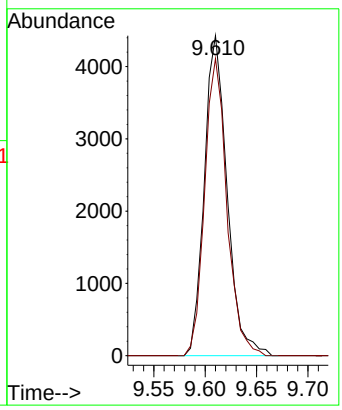




#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:107 Resp: 683

Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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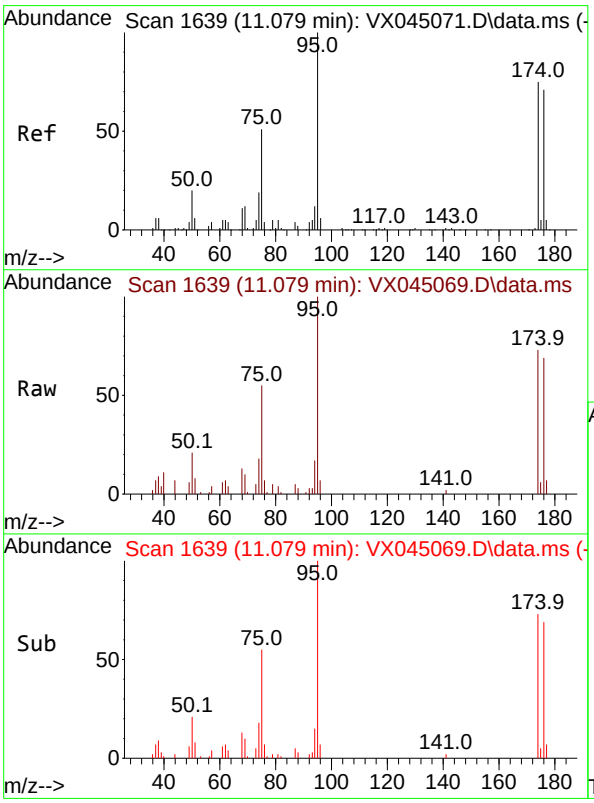
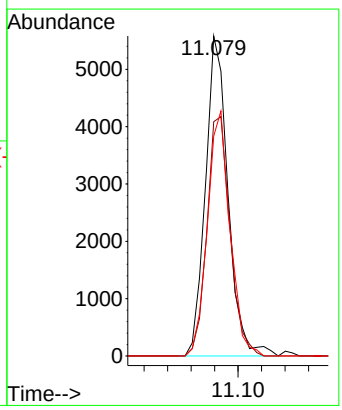
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

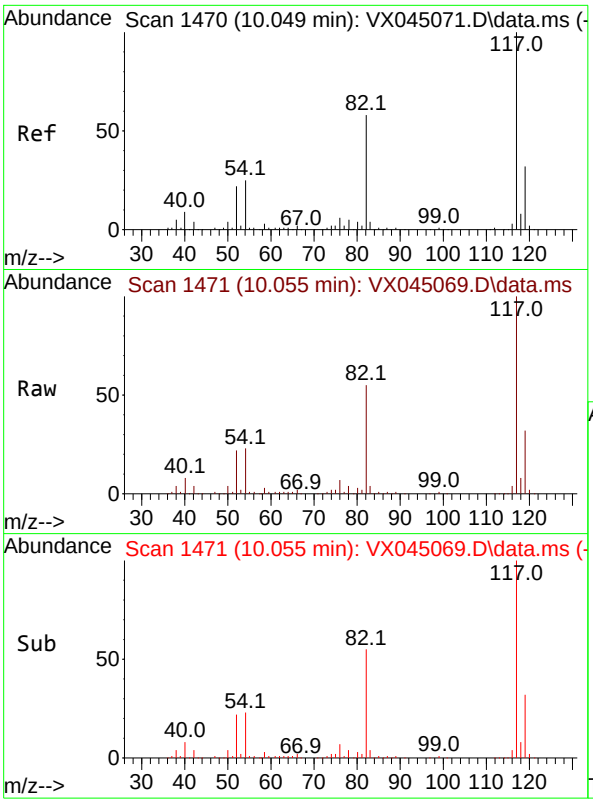


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 95 Resp: 7436

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	148.2
176	76.3	0.0	141.4

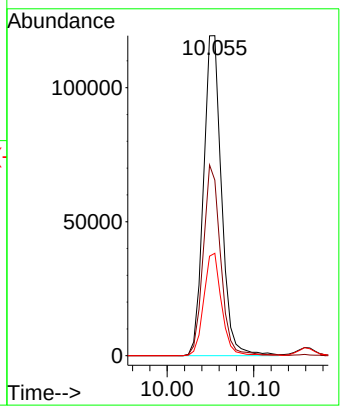




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 17236

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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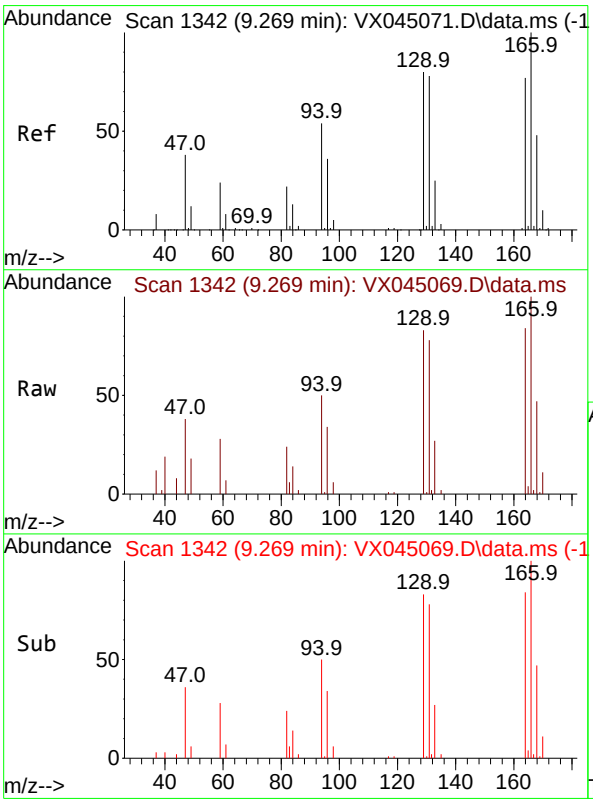
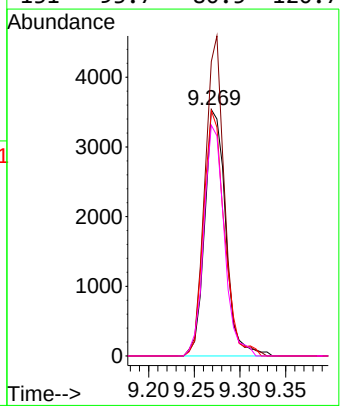
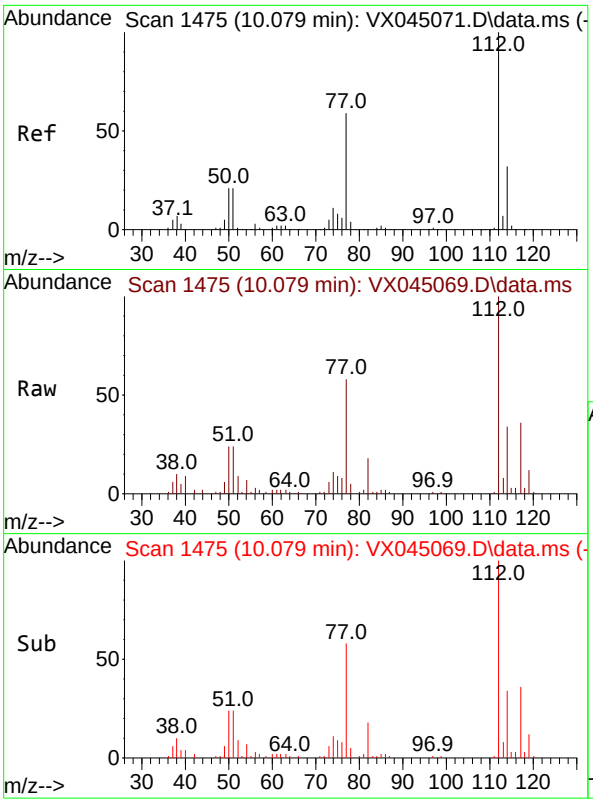


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:164 Resp: 5615

Ion	Ratio	Lower	Upper
164	100		
166	119.5	103.6	155.4
129	99.7	82.7	124.1
131	93.7	80.5	120.7

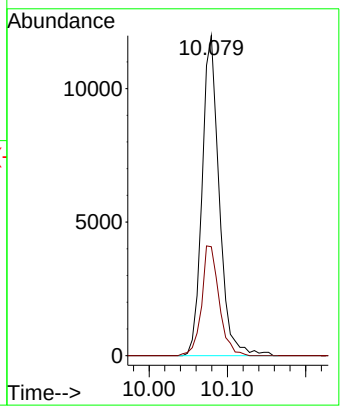




#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:112 Resp: 1816

Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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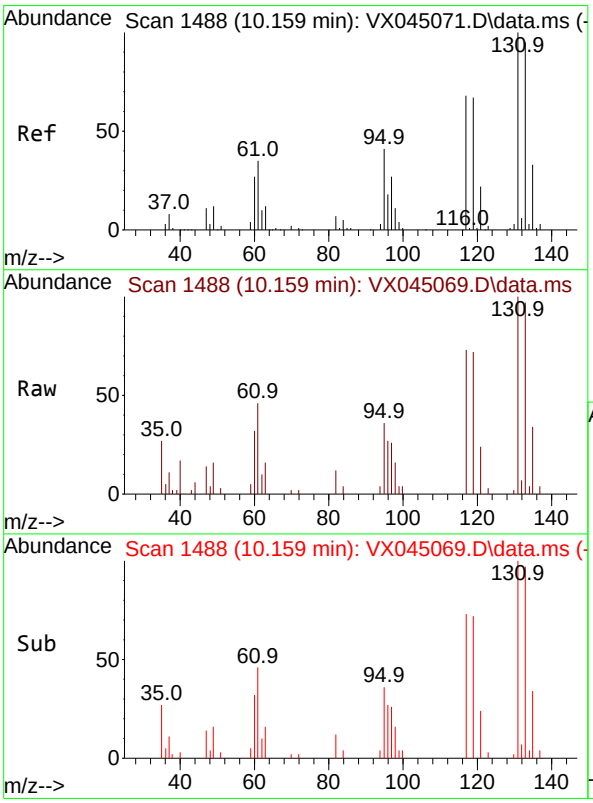
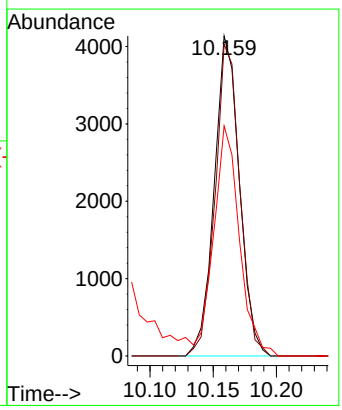
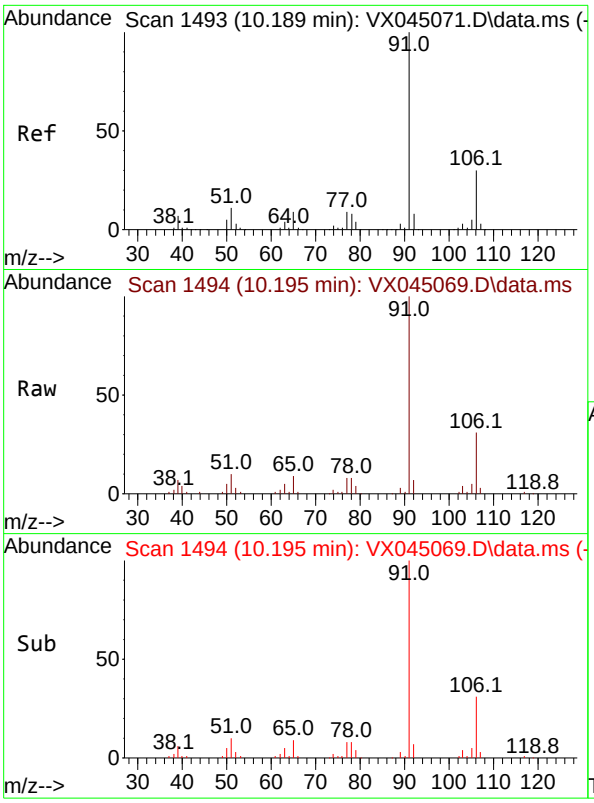


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:131 Resp: 5702

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.6	145.9
119	73.4	33.9	101.7

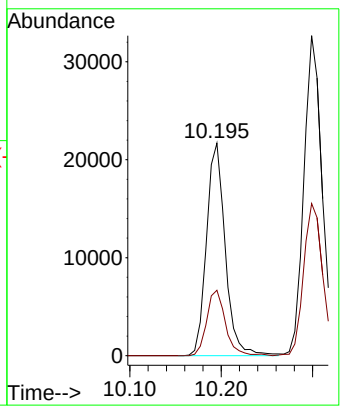




#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 3091

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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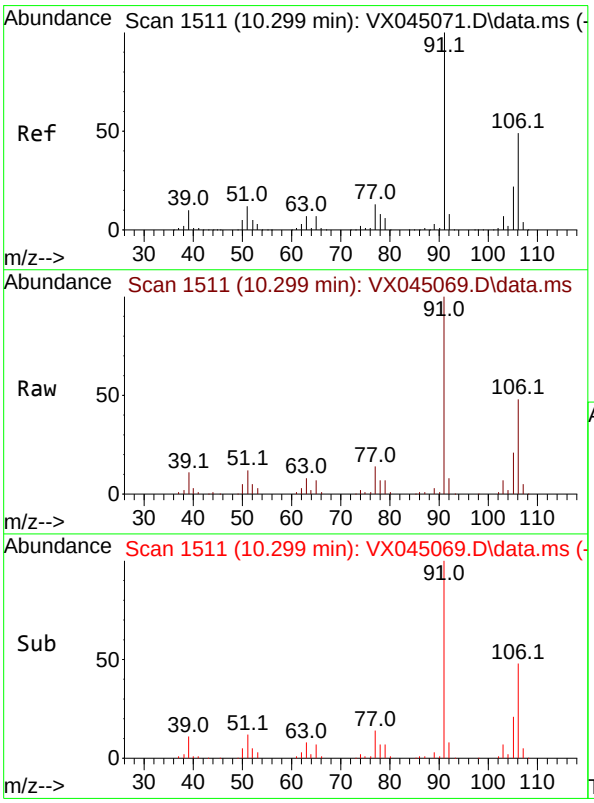
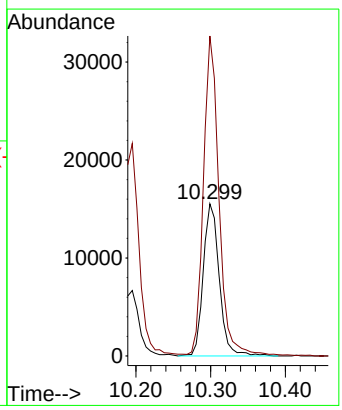
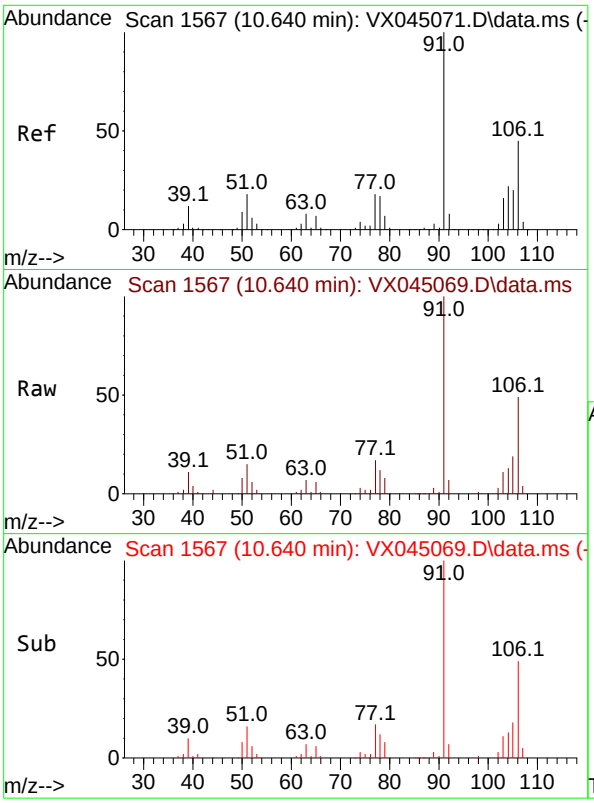


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0

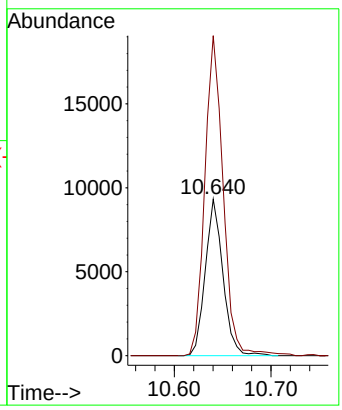




#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 1188

Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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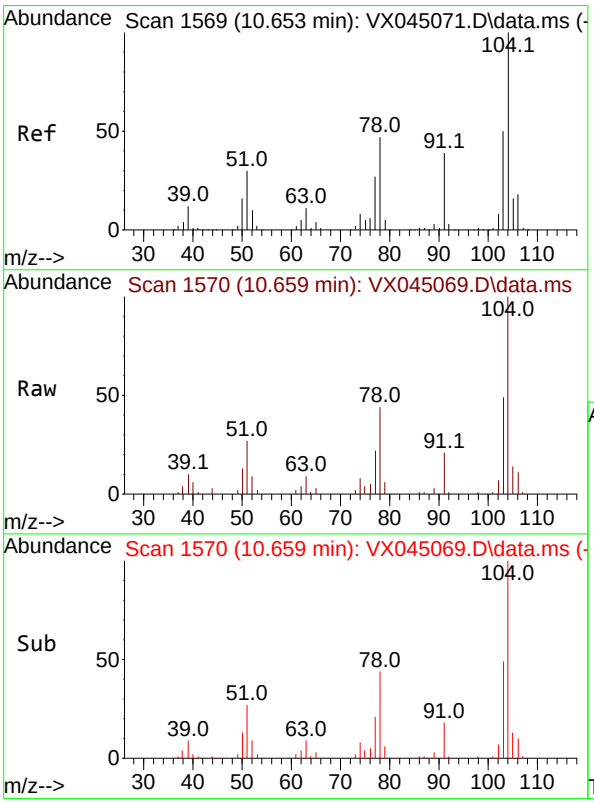
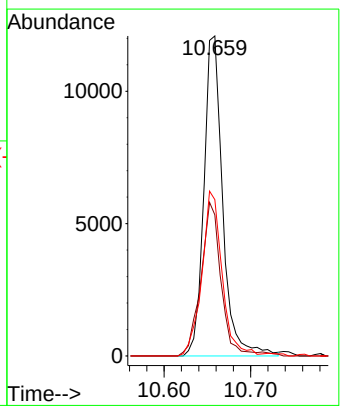
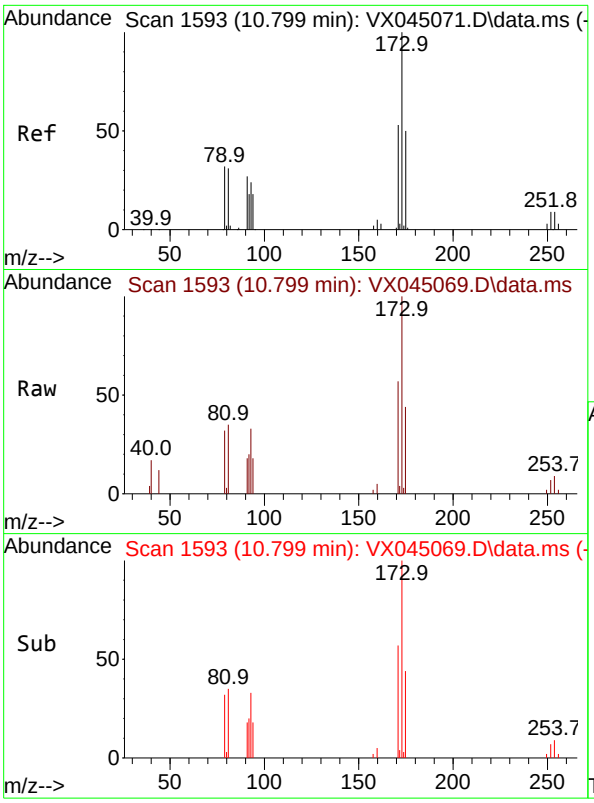


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:104 Resp: 18278

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.2	63.4
103	55.3	43.8	65.8

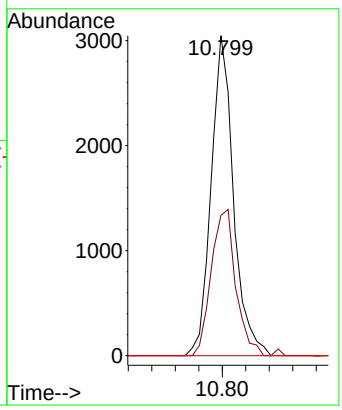




#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:173 Resp: 402

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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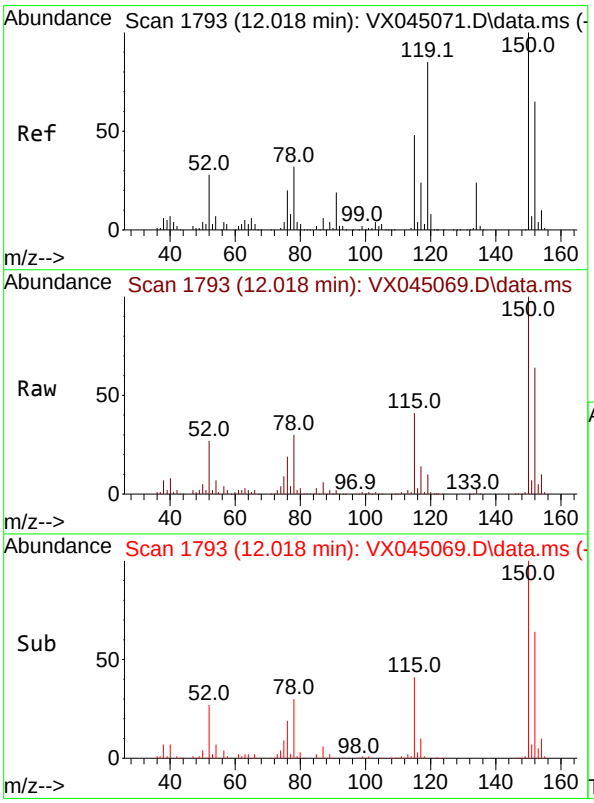
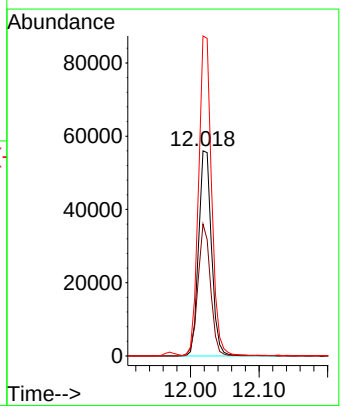
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

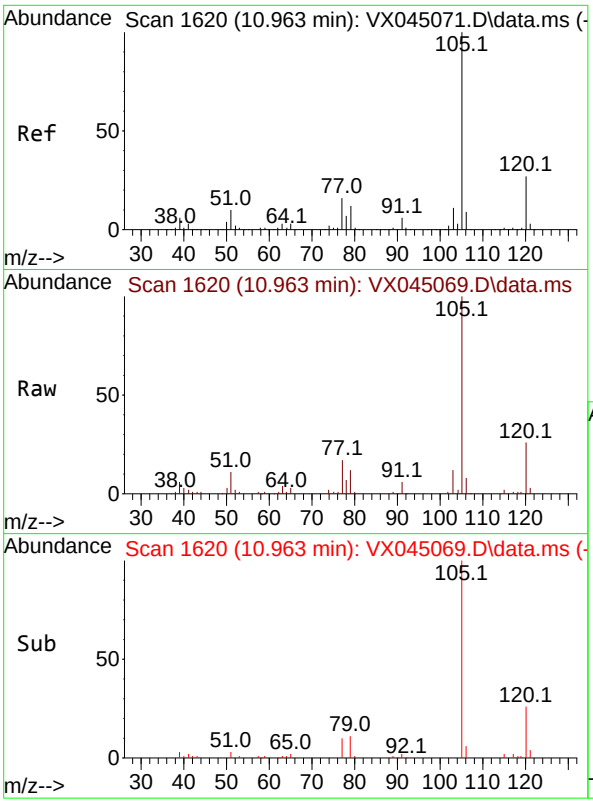


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:152 Resp: 73591

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	156.2	0.0	349.0

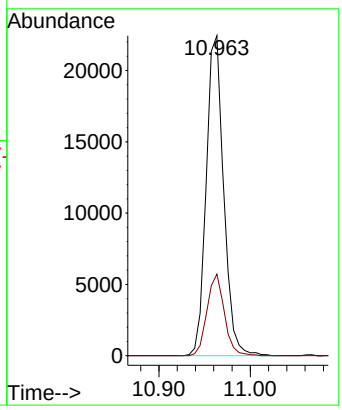




#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 2968

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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Reviewed By :John Carlone 02/28/2025
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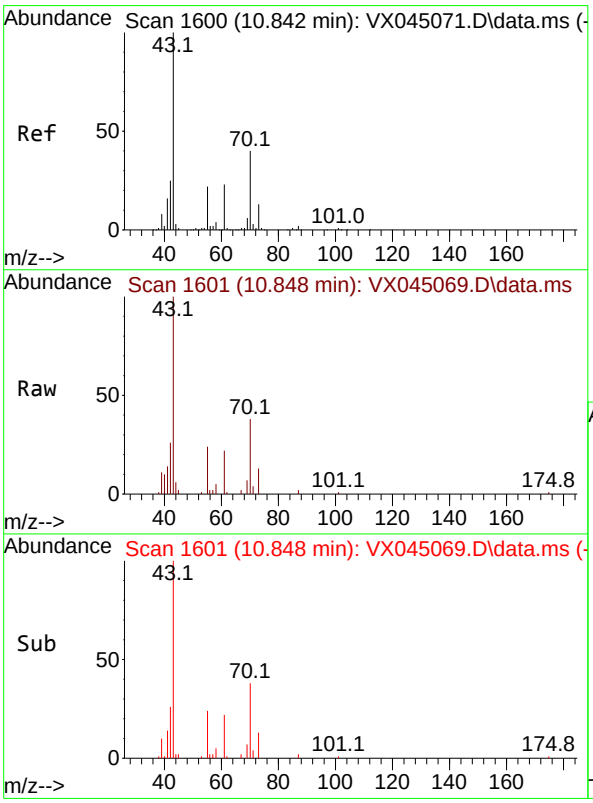
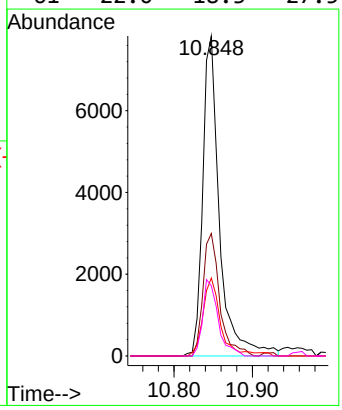
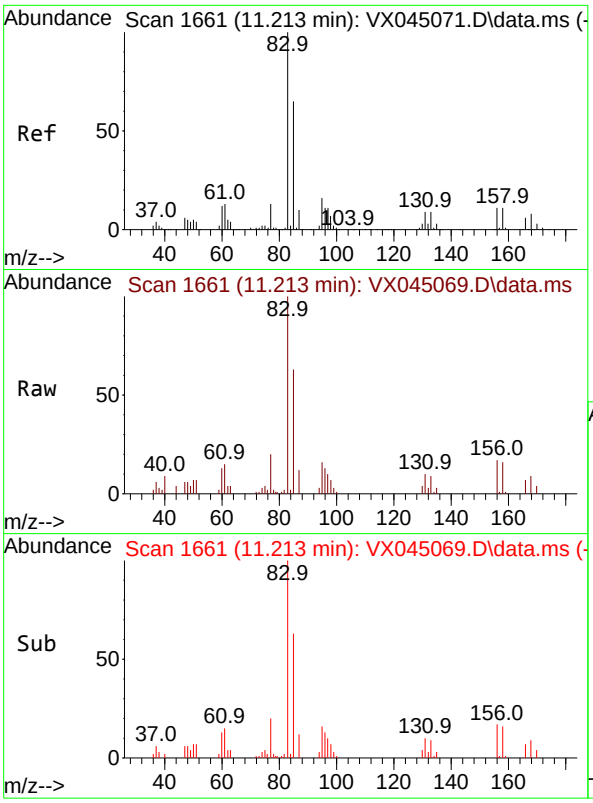


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 11609

Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.6
55	25.9	18.3	27.5
61	22.0	18.3	27.5

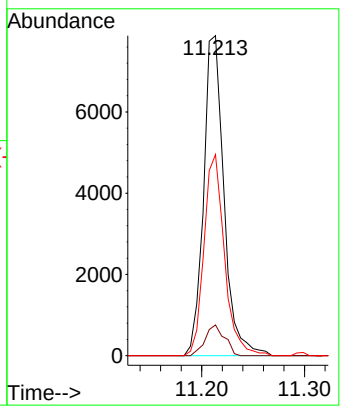




#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1088

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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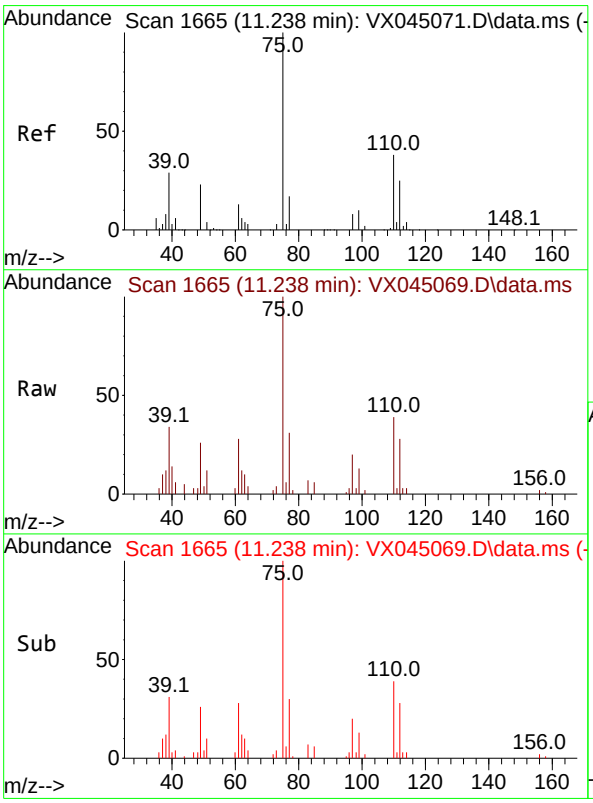
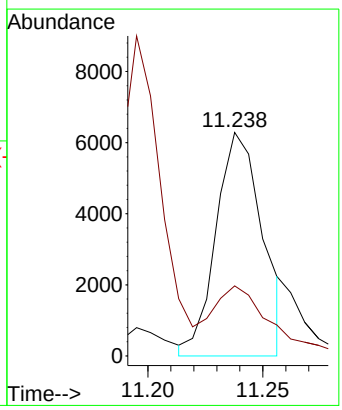
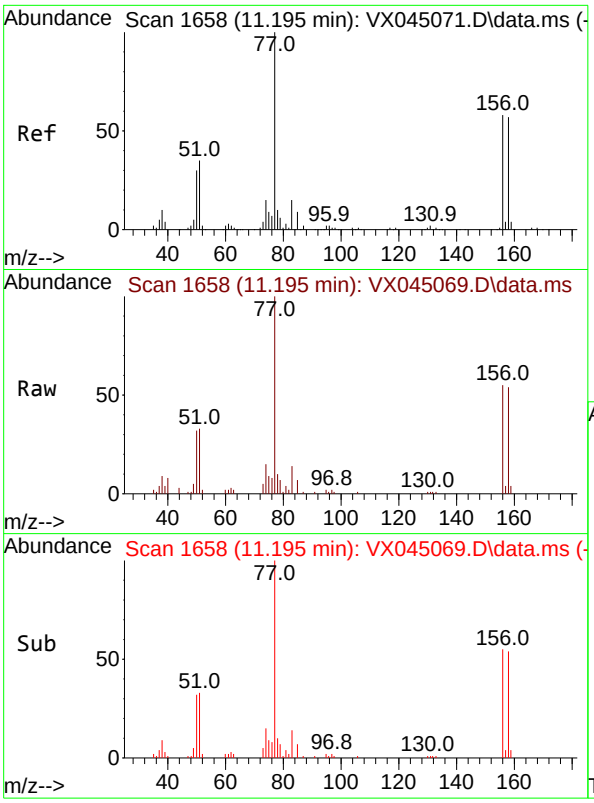


#76
1,2,3-Trichloropropane
Concen: 5.384 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8839

Ion	Ratio	Lower	Upper
75	100		
77	39.8	20.7	62.1

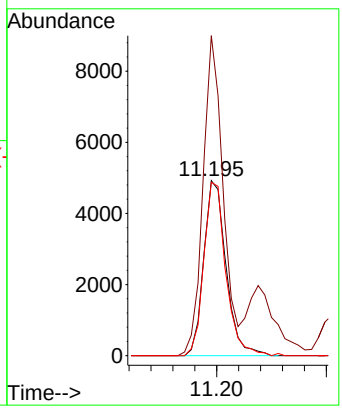




#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:156 Resp: 697

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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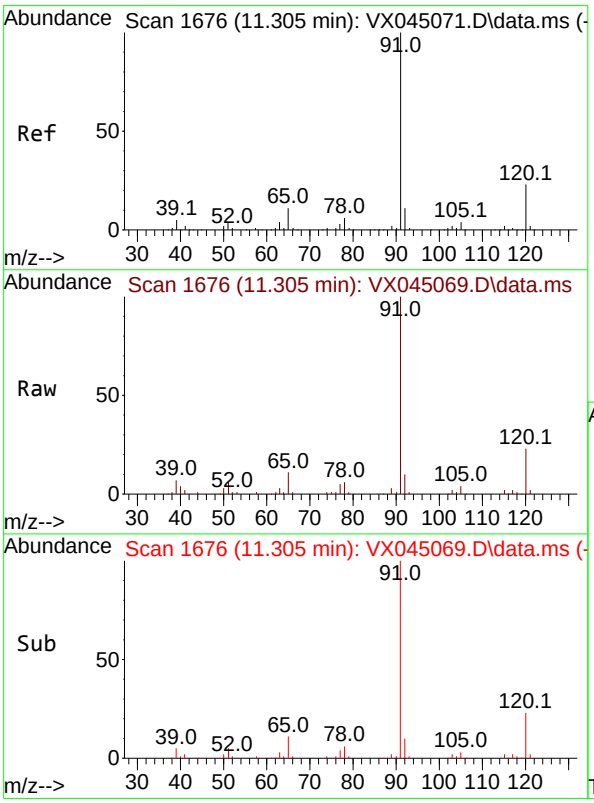
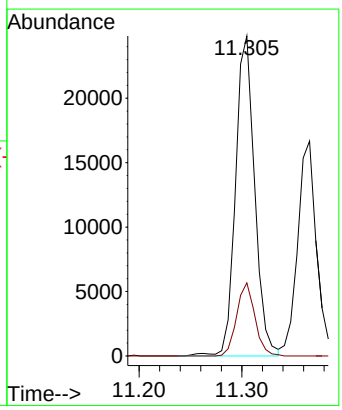
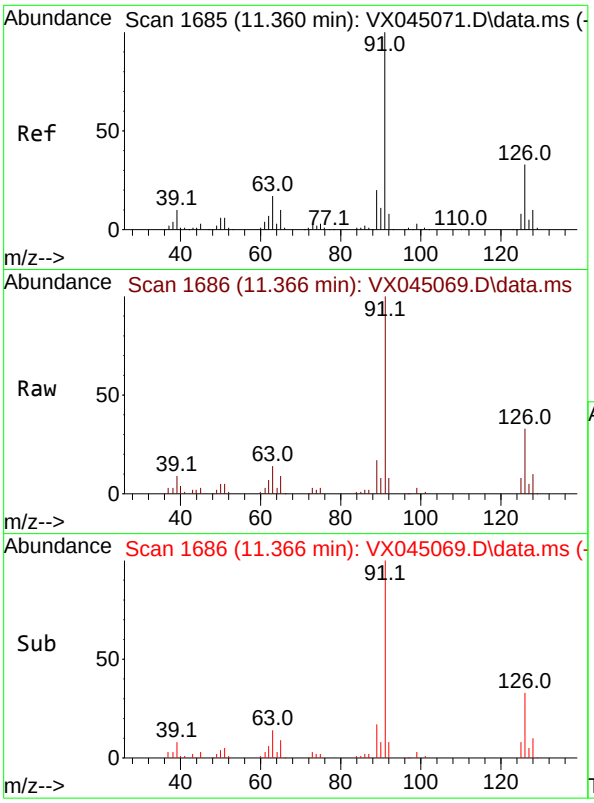


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6





#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 2125

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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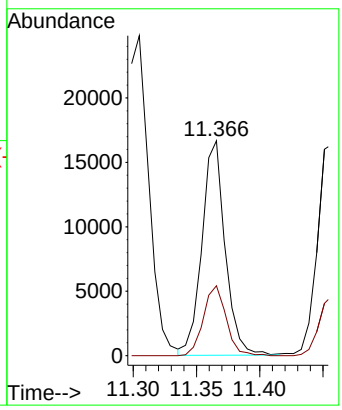
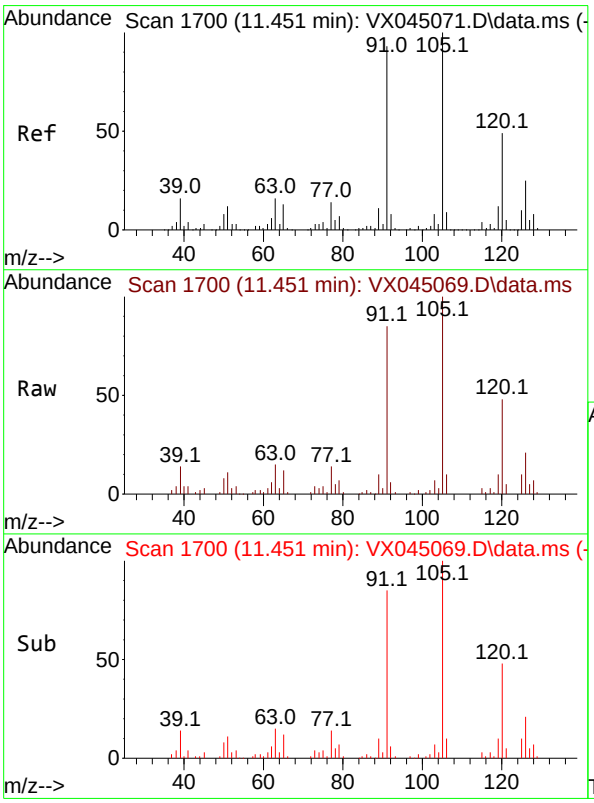
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

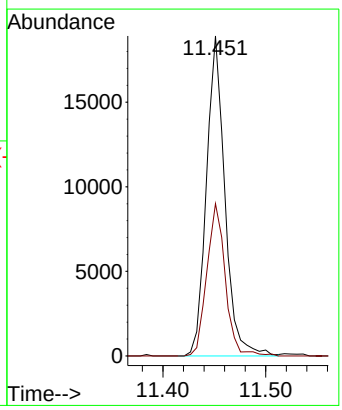


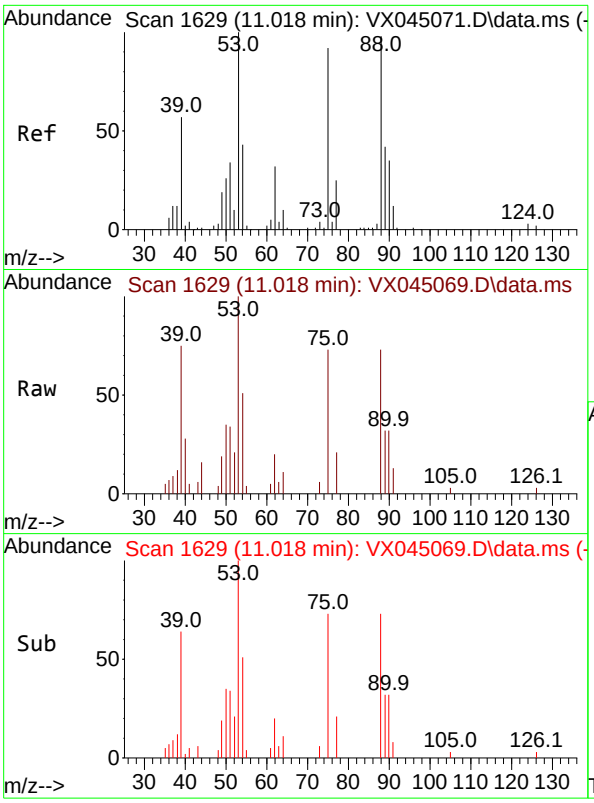


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23627

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 197

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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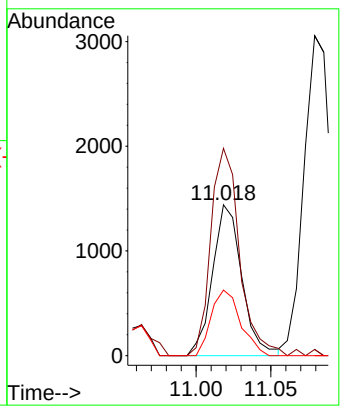
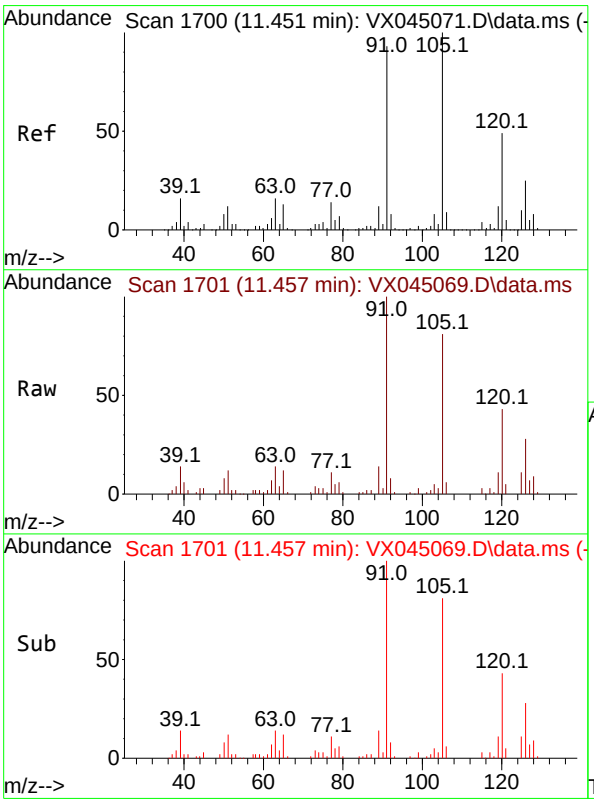
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

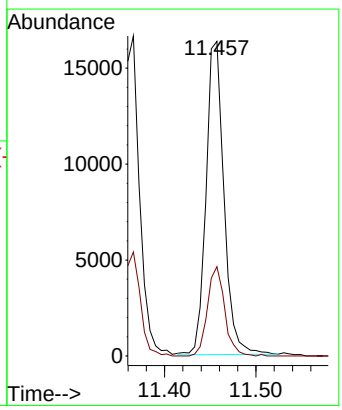


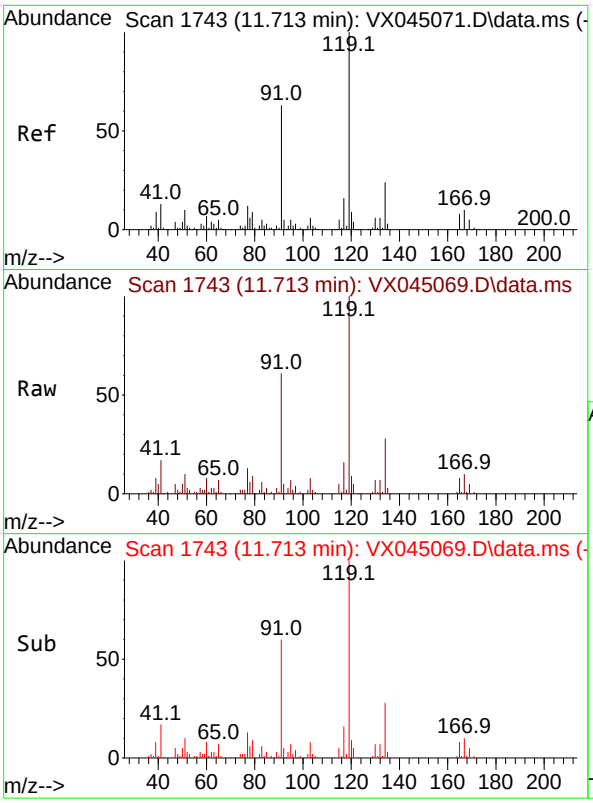


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4

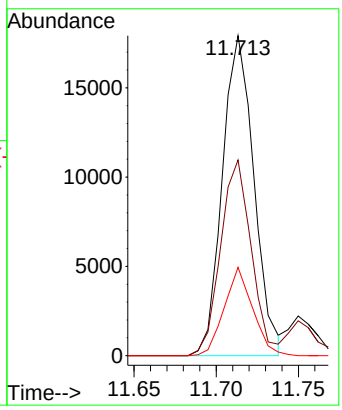




#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 2396

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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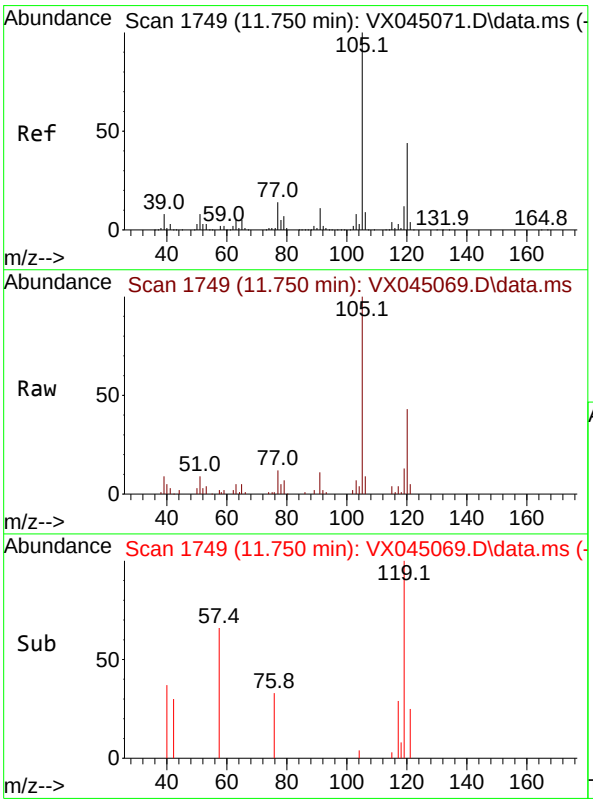
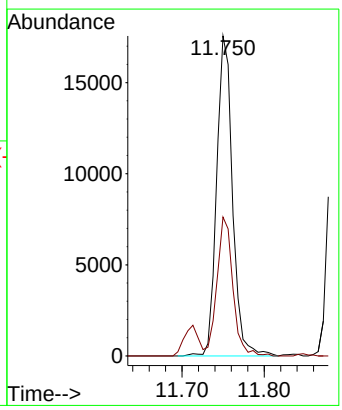
Supervised By :Mahesh Dadoda 02/28/2025

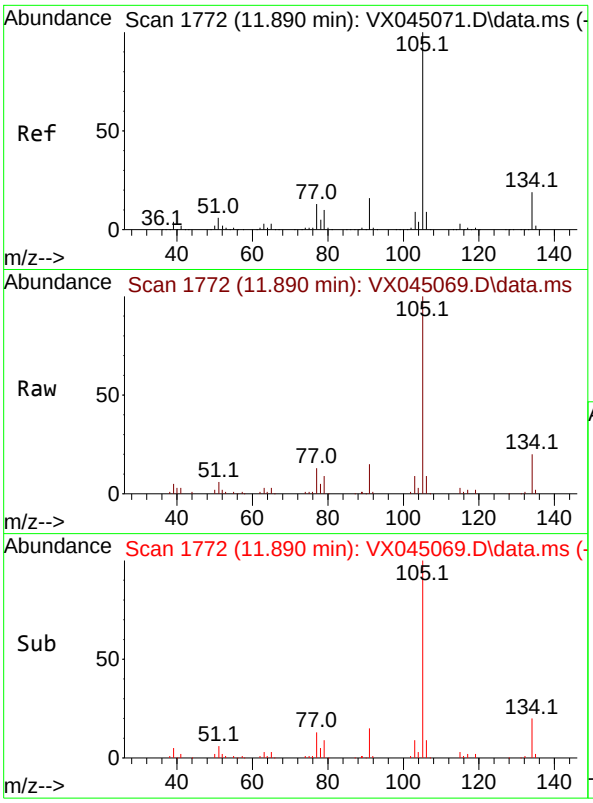


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23561

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1





#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 2831

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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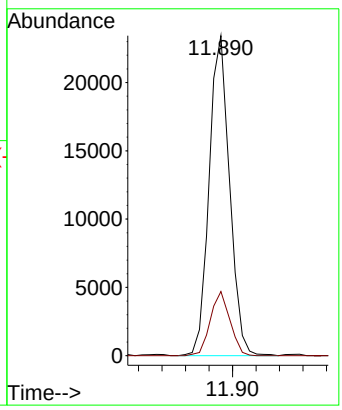
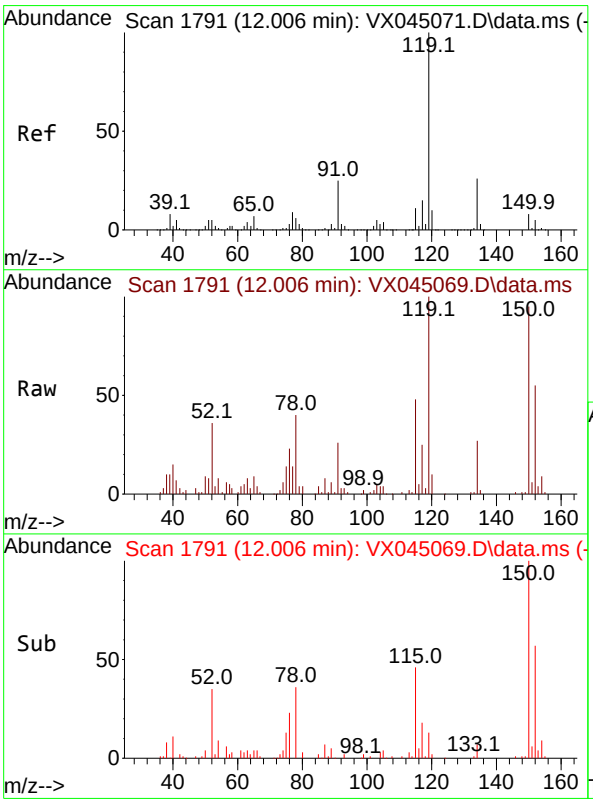
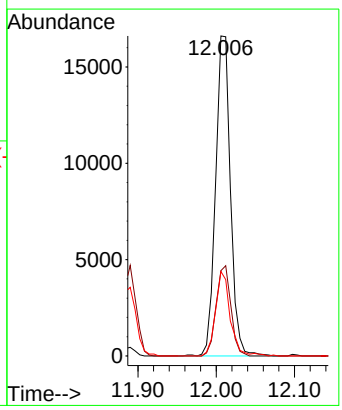


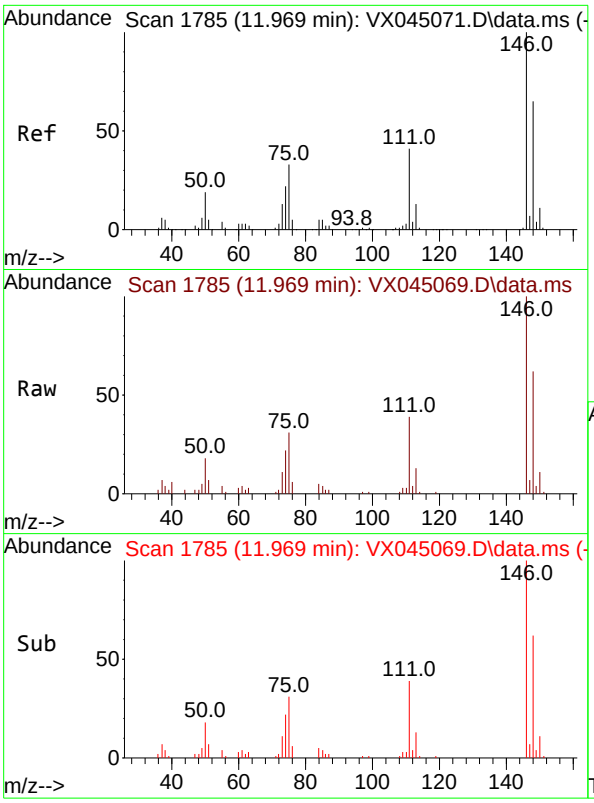


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 21977

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.9	38.6
91	26.1	12.7	38.0

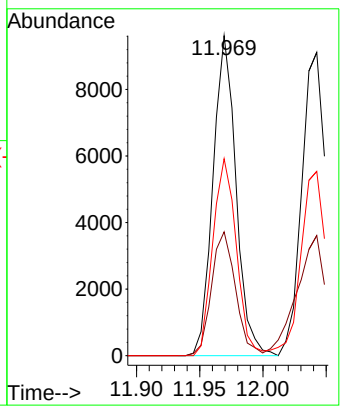




#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1215

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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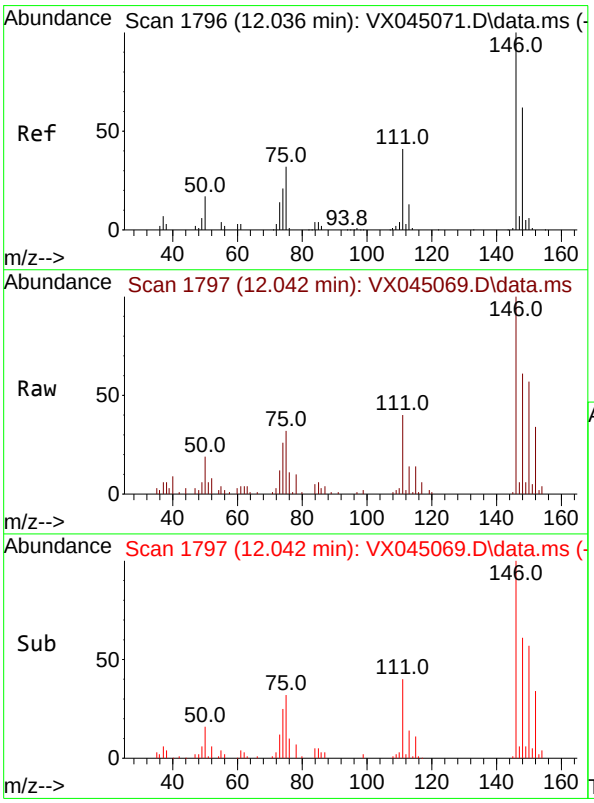
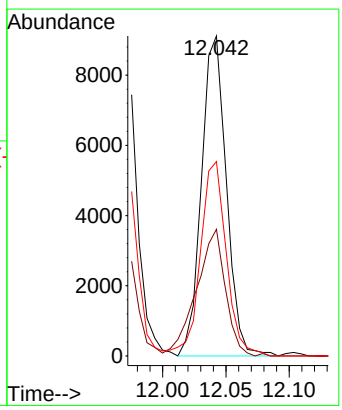
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

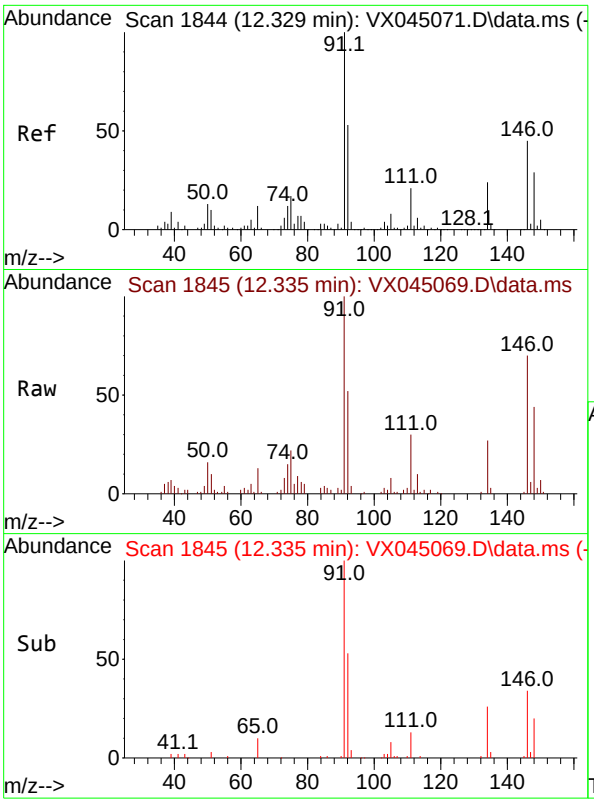


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 12526

Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.2	60.5
148	63.5	31.9	95.9

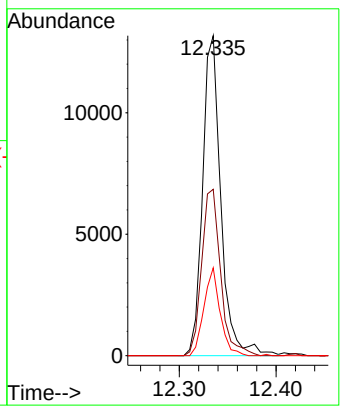




#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 1735

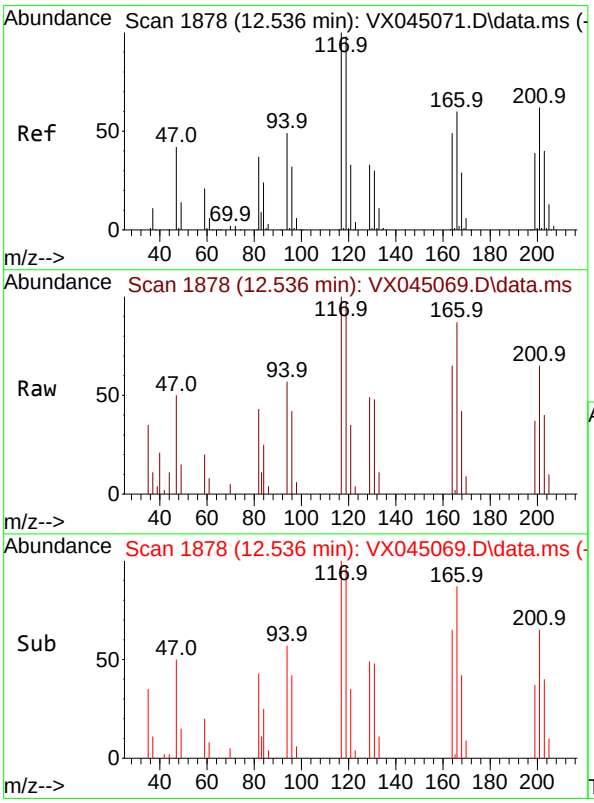
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

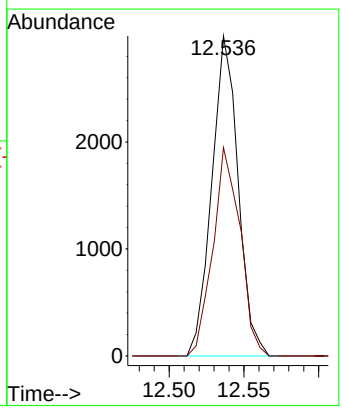
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

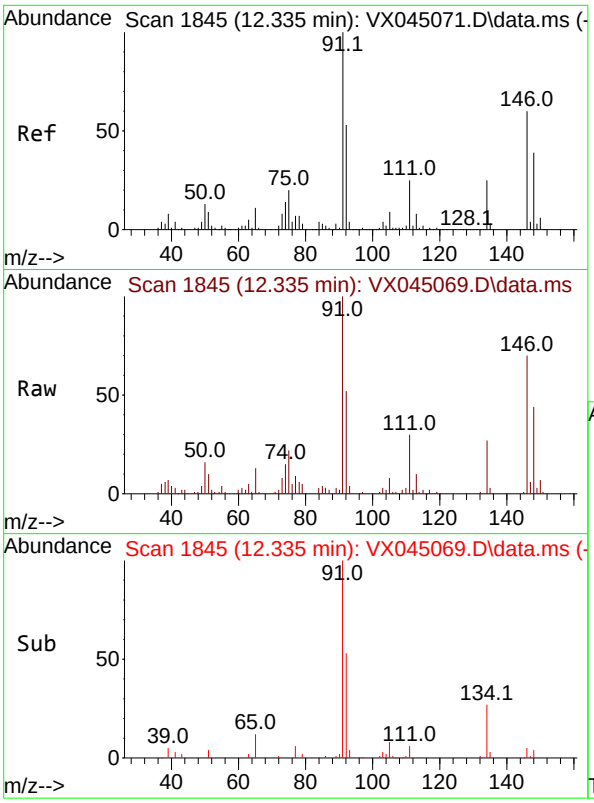


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9

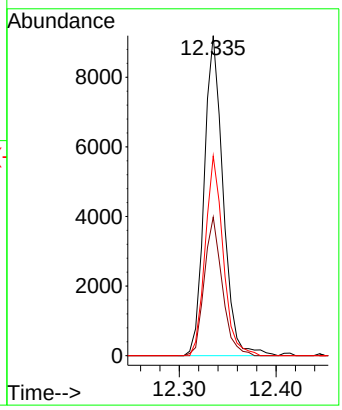




#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1247

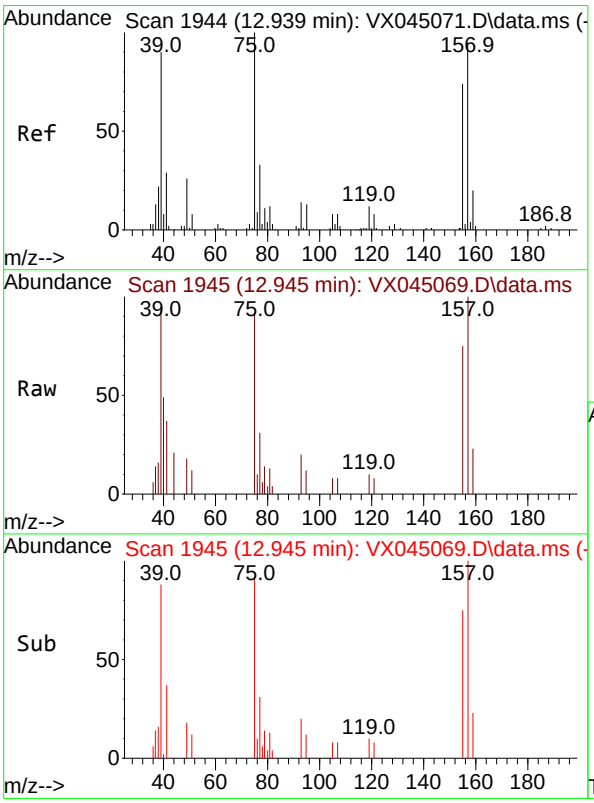
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	59.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

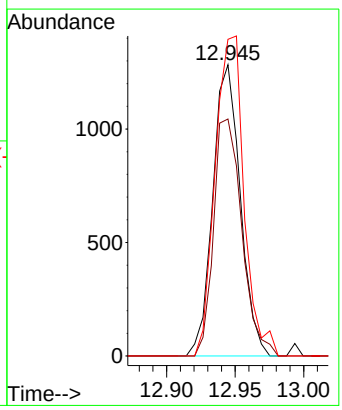
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

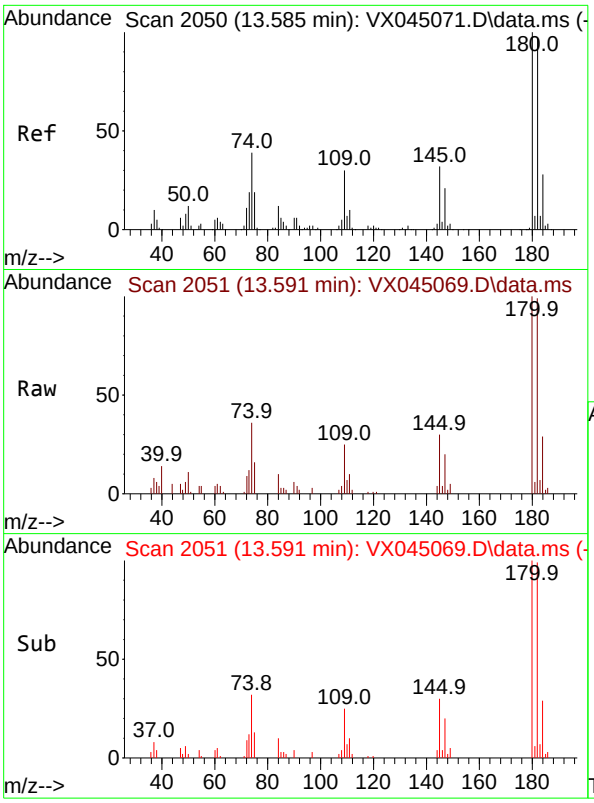


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 1787

Ion	Ratio	Lower	Upper
75	100		
155	83.8	39.6	118.7
157	115.4	51.1	153.4

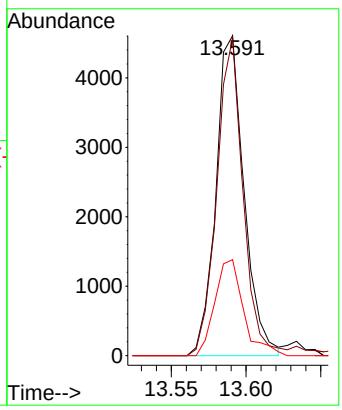




#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 604

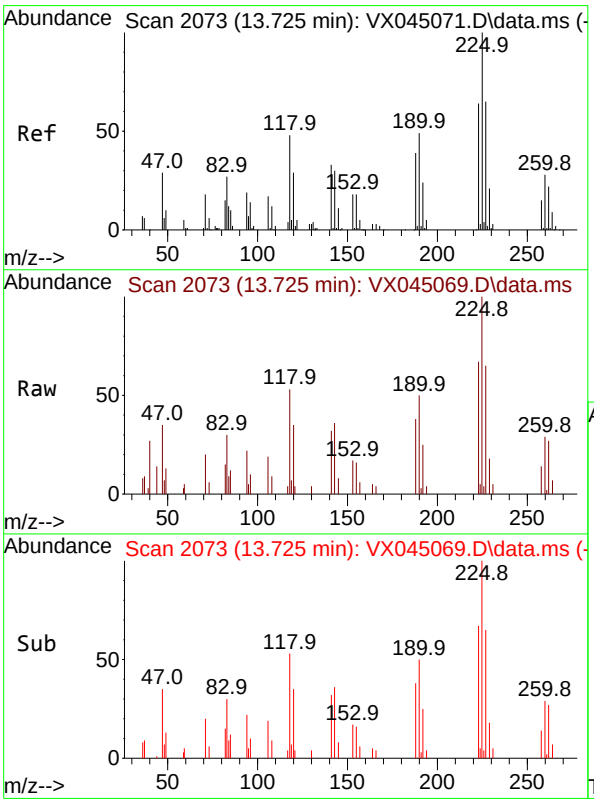
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	30.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

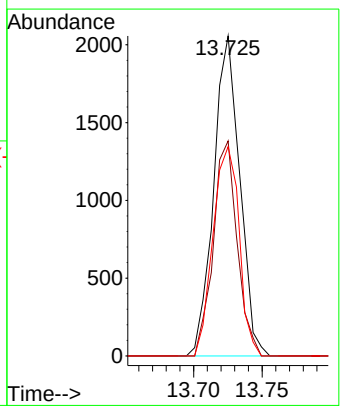
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

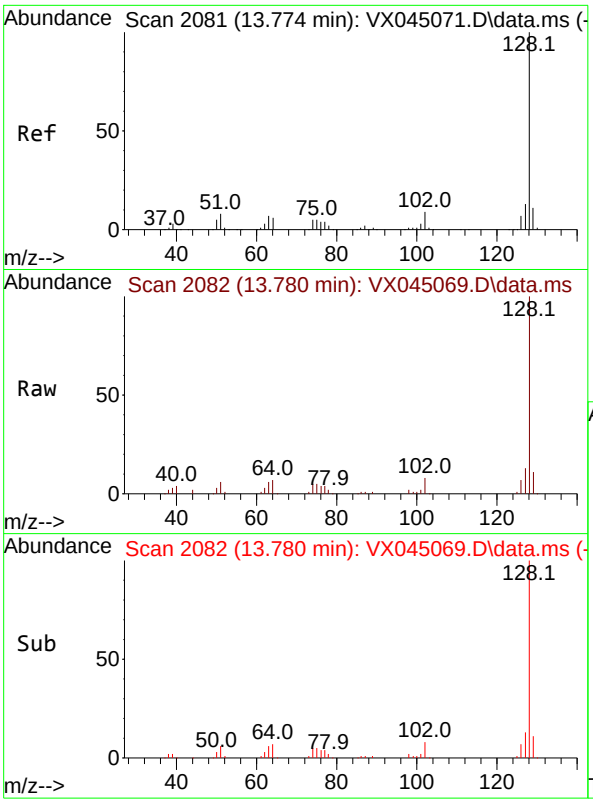


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:225 Resp: 2716

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	65.5	31.4	94.0

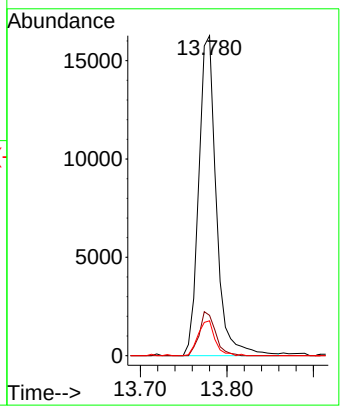




#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:128 Resp: 2292

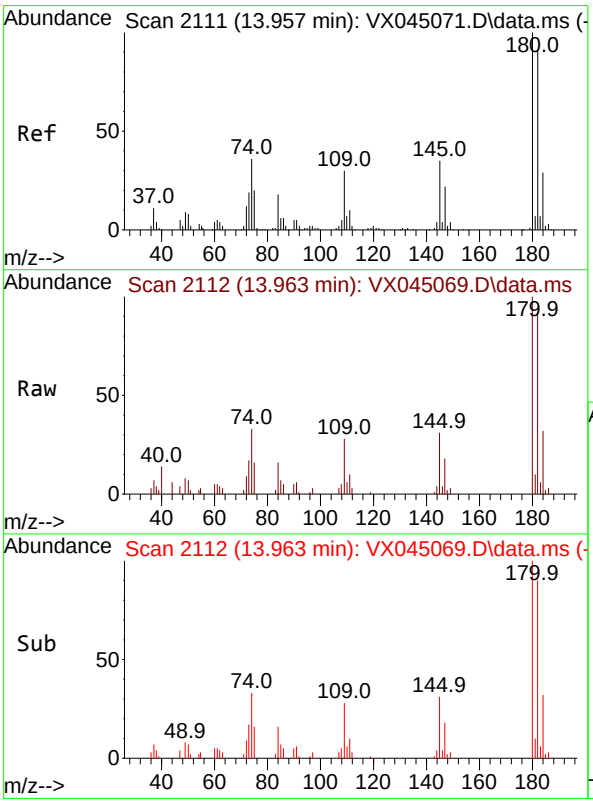
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

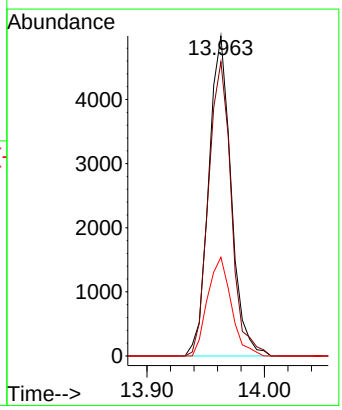
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 6600

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.6
145	32.6	17.0	50.9



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	97338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	30514	21.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 42.440%#			
35) Dibromofluoromethane	5.385	113	23739	20.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 40.940%#			
50) Toluene-d8	8.646	98	84516	19.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 38.940%#			
62) 4-Bromofluorobenzene	11.079	95	27856	19.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 38.420%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25155	18.750	ug/l	95
3) Chloromethane	1.306	50	32219	19.736	ug/l	99
4) Vinyl Chloride	1.373	62	30134	18.899	ug/l	97
5) Bromomethane	1.593	94	11584	23.239	ug/l	99
6) Chloroethane	1.660	64	14237	23.457	ug/l	99
7) Trichlorofluoromethane	1.867	101	40880	20.015	ug/l	99
8) Diethyl Ether	2.135	74	15911	21.437	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	23154	18.984	ug/l	98
10) Methyl Iodide	2.440	142	29500	18.867	ug/l	100
11) Tert butyl alcohol	2.983	59	31246	118.627	ug/l	98
12) 1,1-Dichloroethene	2.306	96	23810	19.014	ug/l	97
13) Acrolein	2.239	56	33586	117.747	ug/l	99
14) Allyl chloride	2.654	41	42993	19.096	ug/l	100
15) Acrylonitrile	3.068	53	84182	117.598	ug/l	100
16) Acetone	2.385	43	74701	126.257	ug/l	99
17) Carbon Disulfide	2.501	76	61802	18.139	ug/l	99
18) Methyl Acetate	2.709	43	35157	19.729	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82833	20.689	ug/l	96
20) Methylene Chloride	2.782	84	29281	20.895	ug/l	94
21) trans-1,2-Dichloroethene	3.080	96	23471	19.057	ug/l	97
22) Diisopropyl ether	3.763	45	90378	20.995	ug/l	93
23) Vinyl Acetate	3.721	43	381808	108.038	ug/l	99
24) 1,1-Dichloroethane	3.605	63	49826	20.716	ug/l	99
25) 2-Butanone	4.562	43	118713	124.449	ug/l	97
26) 2,2-Dichloropropane	4.470	77	22886	12.799	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	29788	20.065	ug/l	99
28) Bromochloromethane	4.891	49	23869	20.579	ug/l	99
29) Tetrahydrofuran	5.007	42	77433	122.519	ug/l	99
30) Chloroform	5.086	83	49751	21.147	ug/l	97
31) Cyclohexane	5.464	56	42340	19.181	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39276	19.831	ug/l	99
36) 1,1-Dichloropropene	5.684	75	31519	18.903	ug/l	99
37) Ethyl Acetate	4.714	43	43097	22.714	ug/l	99
38) Carbon Tetrachloride	5.671	117	31694	19.334	ug/l	97
39) Methylcyclohexane	7.372	83	39769	18.676	ug/l	97
40) Benzene	6.031	78	105787	20.298	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	23924	23.605	ug/l		97
42) 1,2-Dichloroethane	6.086	62	38653	22.886	ug/l		99
43) Isopropyl Acetate	6.348	43	66727	22.094	ug/l		99
44) Trichloroethene	7.122	130	24052	20.191	ug/l		98
45) 1,2-Dichloropropane	7.427	63	27128	20.945	ug/l		99
46) Dibromomethane	7.580	93	19323	21.357	ug/l		97
47) Bromodichloromethane	7.817	83	38038	21.732	ug/l		97
48) Methyl methacrylate	7.695	41	32627	22.757	ug/l		98
49) 1,4-Dioxane	7.665	88	14602	479.170	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	229615	124.081	ug/l		98
52) Toluene	8.714	92	63326	20.463	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30917	17.871	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	36118	18.675	ug/l		97
55) 1,1,2-Trichloroethane	9.152	97	26358	21.992	ug/l		99
56) Ethyl methacrylate	9.116	69	39850	20.791	ug/l		97
57) 1,3-Dichloropropane	9.305	76	45644	21.836	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	96311	102.342	ug/l		99
59) 2-Hexanone	9.433	43	168768	126.428	ug/l		100
60) Dibromochloromethane	9.518	129	27705	21.668	ug/l		99
61) 1,2-Dibromoethane	9.610	107	26311	21.764	ug/l		98
64) Tetrachloroethene	9.268	164	20140	20.102	ug/l		97
65) Chlorobenzene	10.079	112	68777	20.316	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22508	20.627	ug/l		97
67) Ethyl Benzene	10.189	91	119165	19.905	ug/l		100
68) m/p-Xylenes	10.299	106	89735	40.699	ug/l		98
69) o-Xylene	10.640	106	44281	20.018	ug/l		98
70) Styrene	10.652	104	73832	20.767	ug/l		98
71) Bromoform	10.799	173	17403	21.449	ug/l	#	99
73) Isopropylbenzene	10.963	105	112099	19.794	ug/l		99
74) N-amyl acetate	10.841	43	52972	20.606	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42413	21.738	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	33440m	21.394	ug/l		
77) Bromobenzene	11.195	156	26310	20.466	ug/l		99
78) n-propylbenzene	11.305	91	128284	19.641	ug/l		100
79) 2-Chlorotoluene	11.359	91	79275	19.775	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	94545	20.581	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8759	15.196	ug/l		96
82) 4-Chlorotoluene	11.451	91	86281	19.443	ug/l		98
83) tert-Butylbenzene	11.713	119	93670	20.159	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	94734	20.943	ug/l		100
85) sec-Butylbenzene	11.890	105	115953	20.160	ug/l		100
86) p-Isopropyltoluene	12.006	119	91554	19.827	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	47934	20.400	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	46657	19.615	ug/l		99
89) n-Butylbenzene	12.329	91	78135	19.249	ug/l		100
90) Hexachloroethane	12.536	117	15919	18.483	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	48632	21.031	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7987	22.119	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	27424	19.617	ug/l		99
94) Hexachlorobutadiene	13.725	225	10934	19.616	ug/l		99
95) Naphthalene	13.774	128	108350	21.279	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	28937	20.432	ug/l		98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

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

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

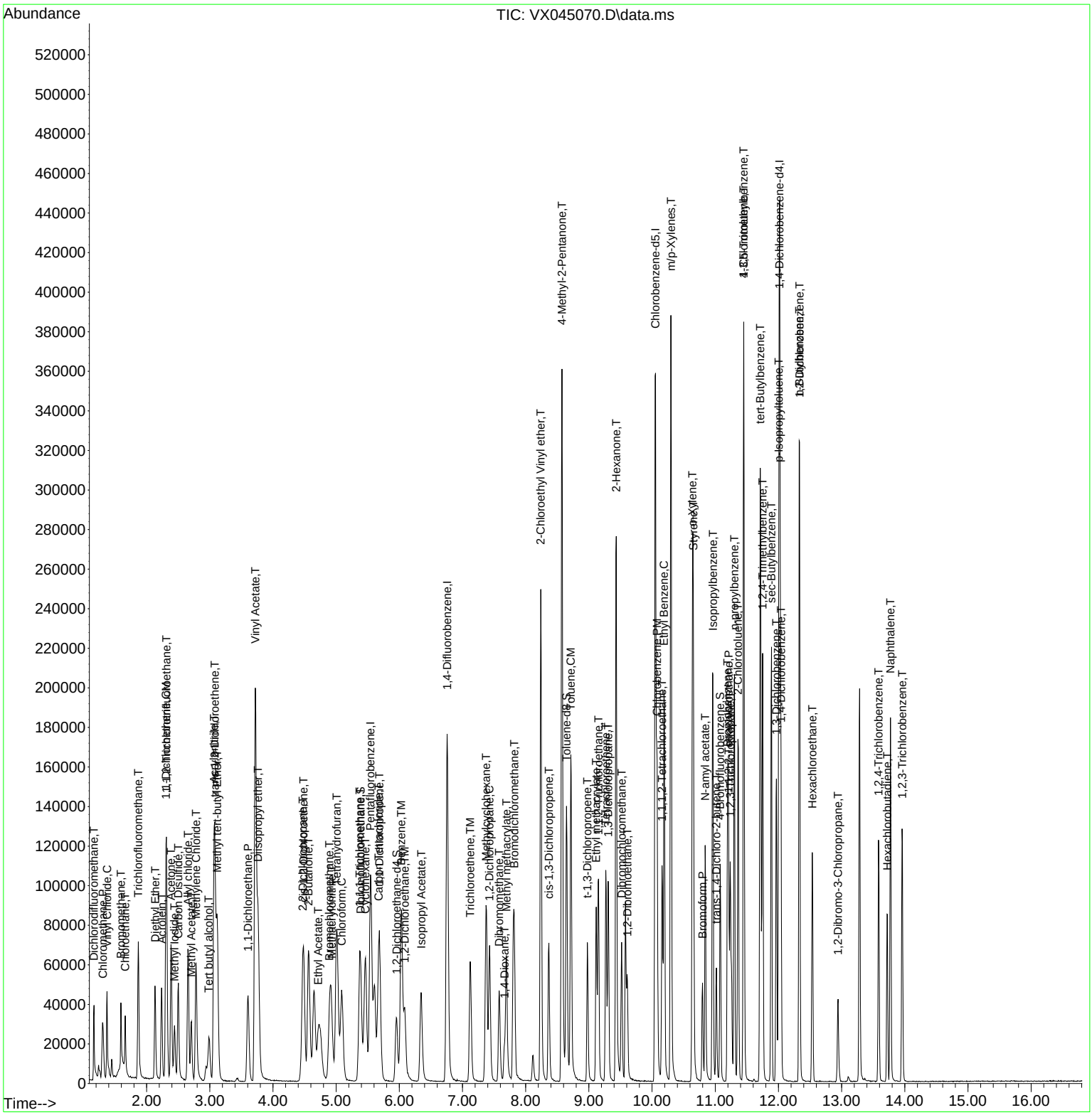
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

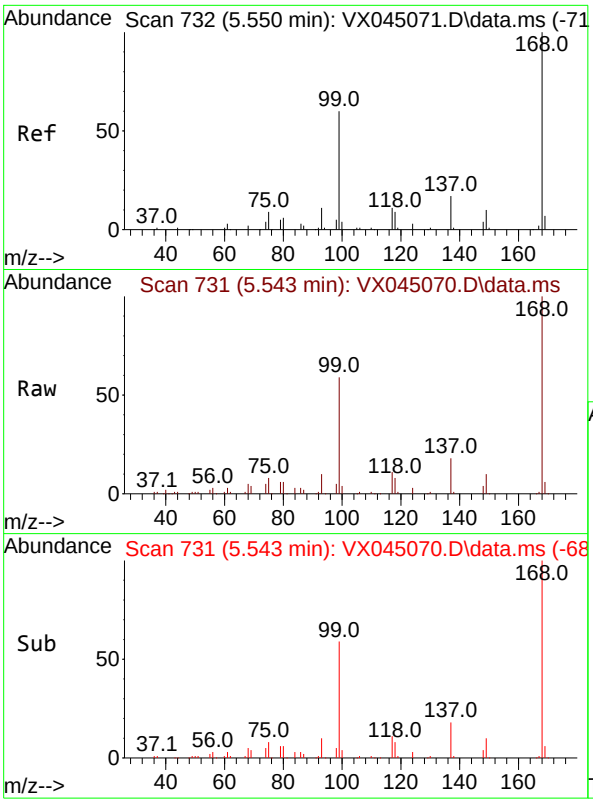
Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

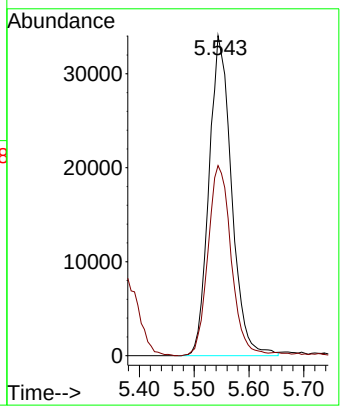




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:168 Resp: 9733

Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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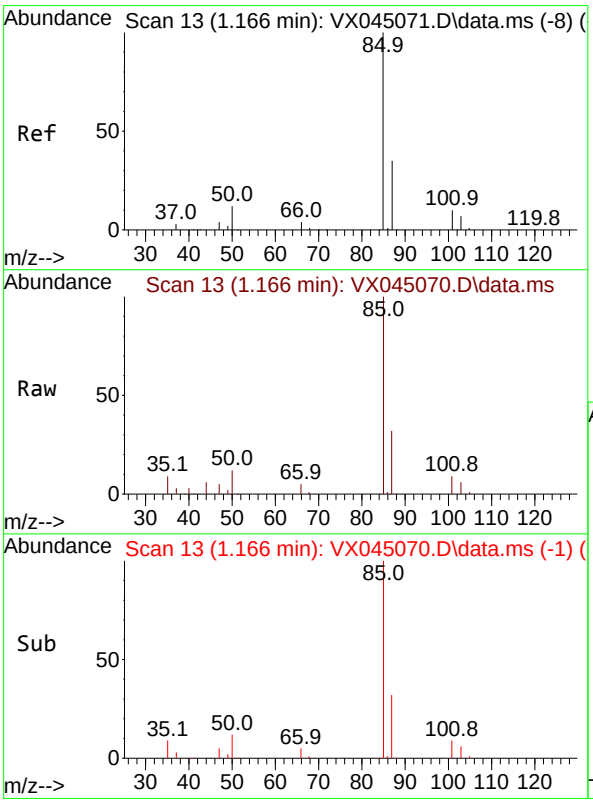
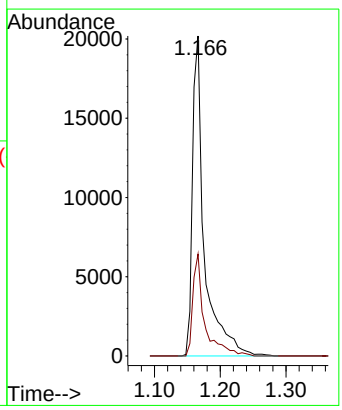
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

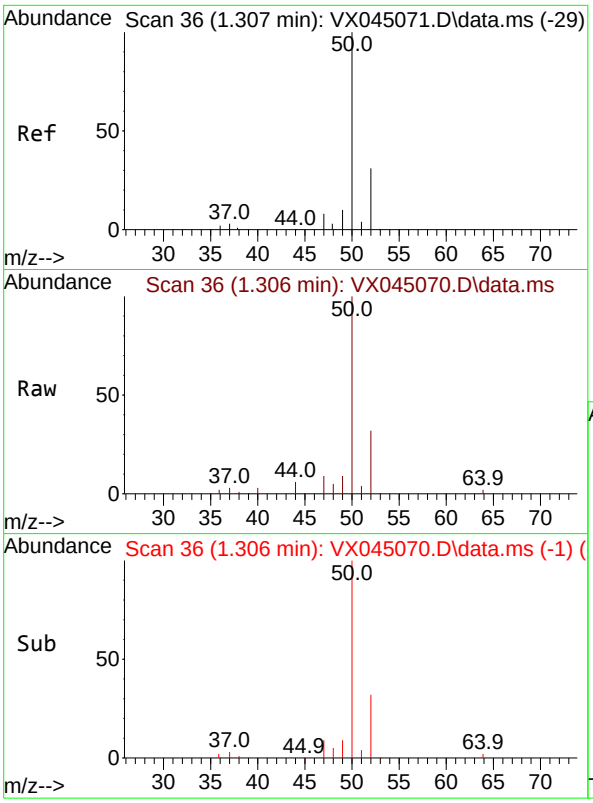


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3

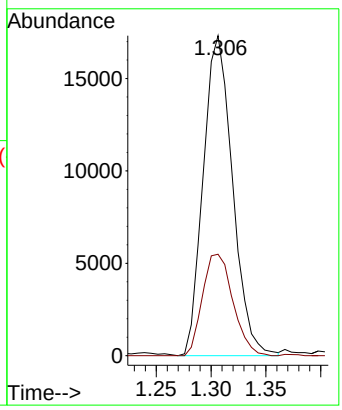




#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 50 Resp: 3221

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4



Instrument :
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ClientSampleId :
VSTDICC020

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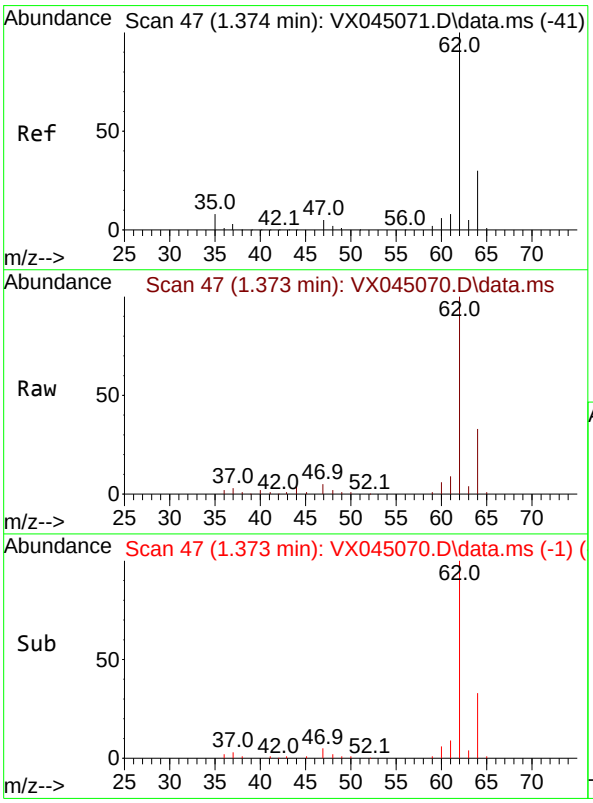
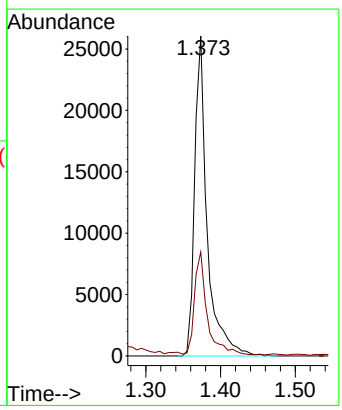
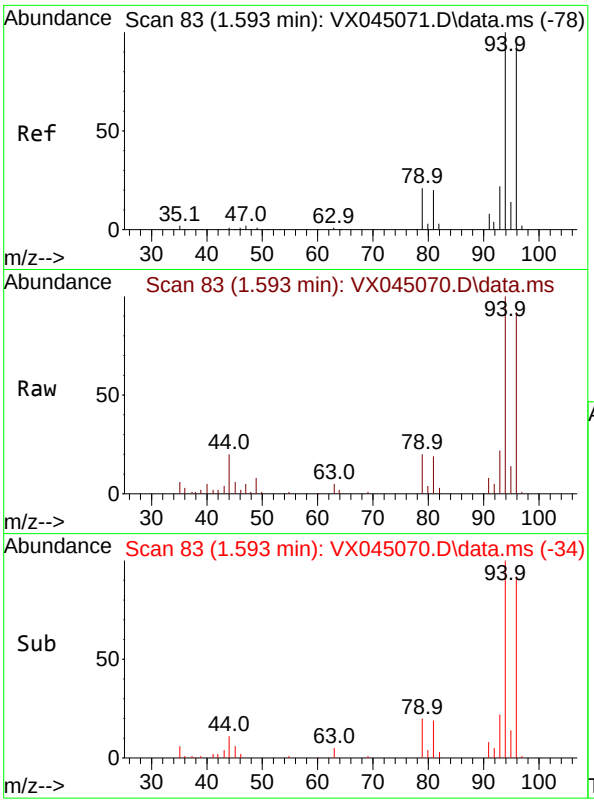


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5

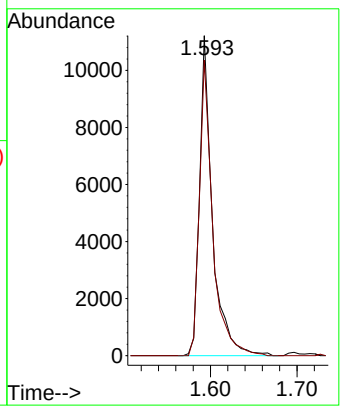




#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 94 Resp: 1158

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4



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ClientSampleId :
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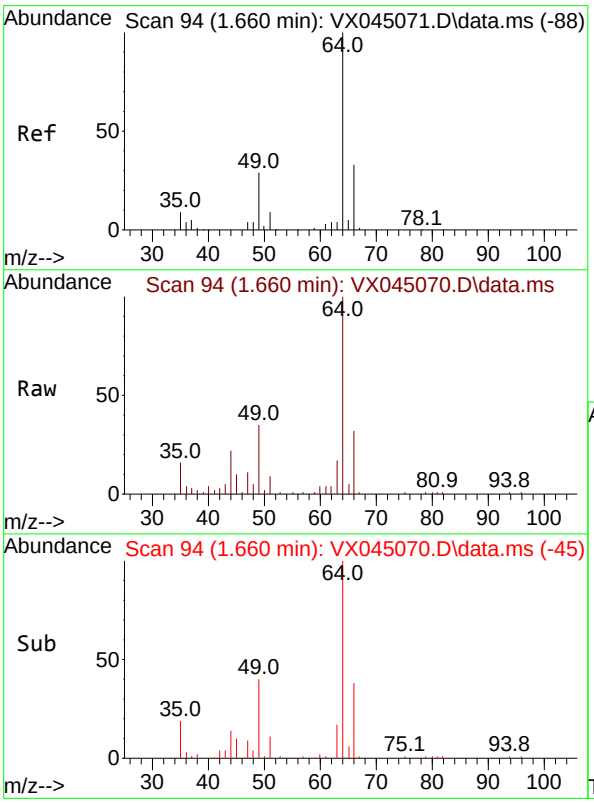
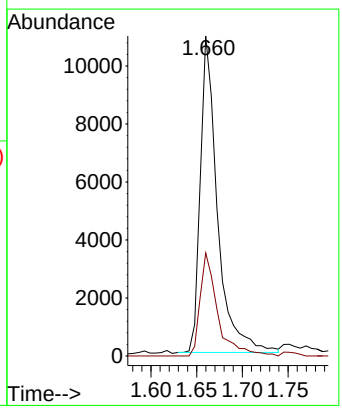
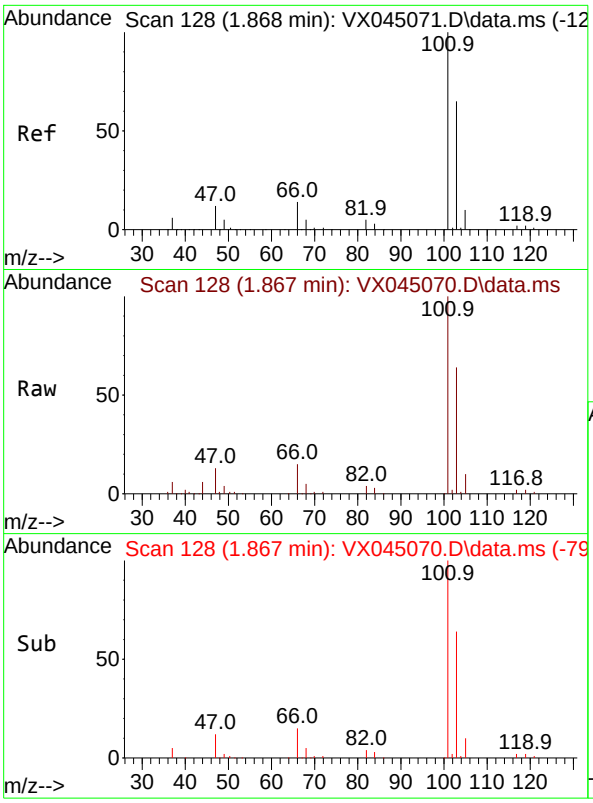


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 64 Resp: 14237

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1

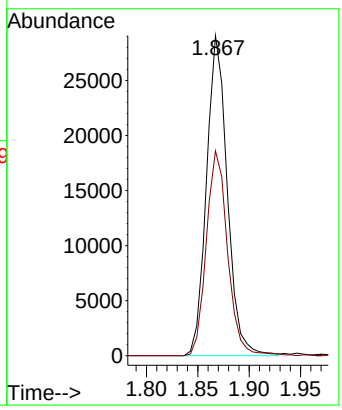




#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:101 Resp: 4088

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
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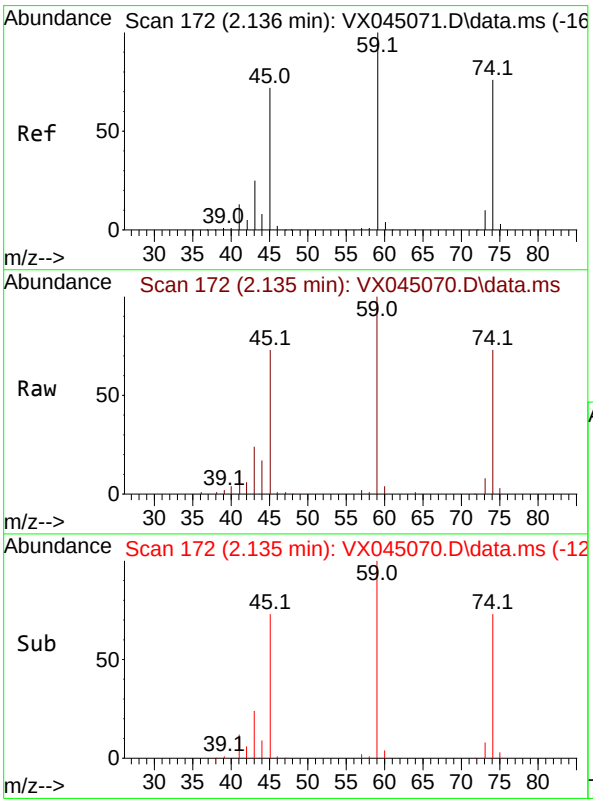
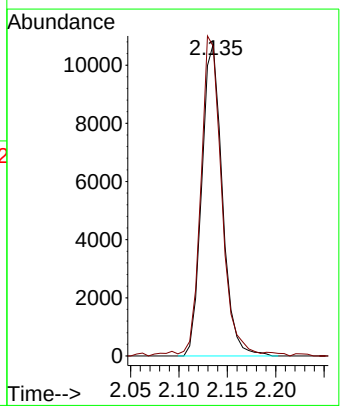
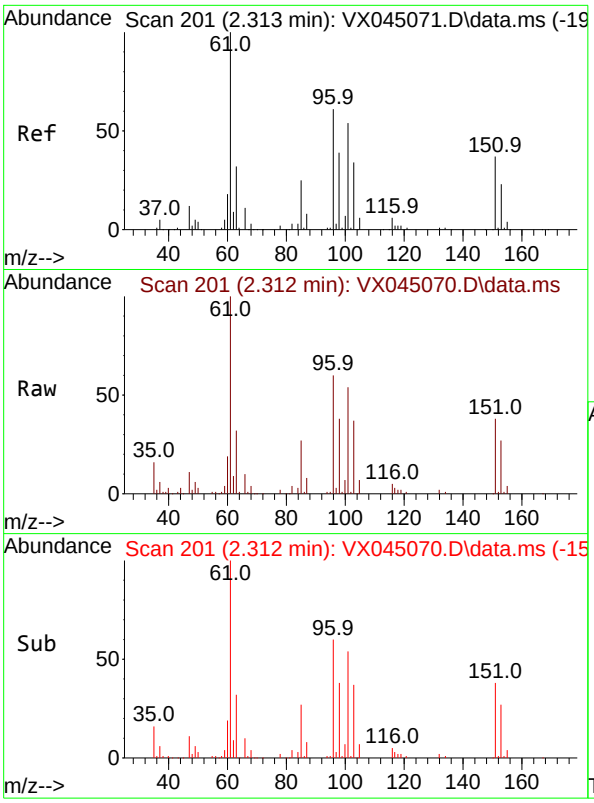


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5

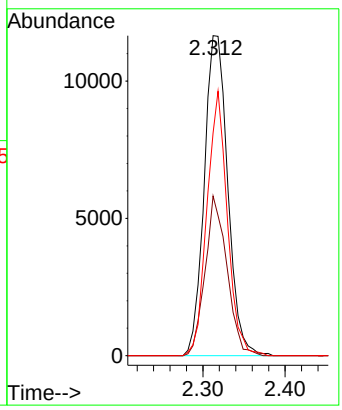




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:101 Resp: 2315

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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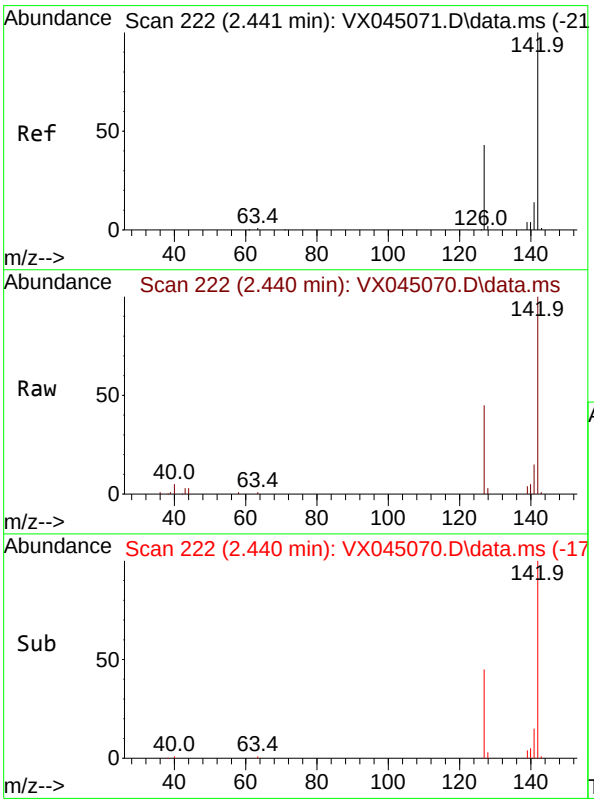
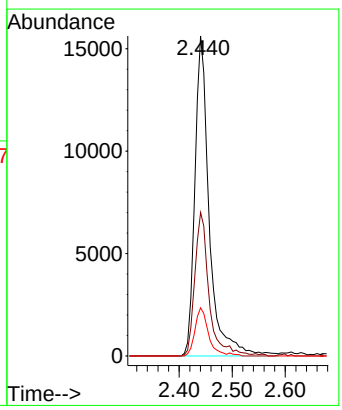
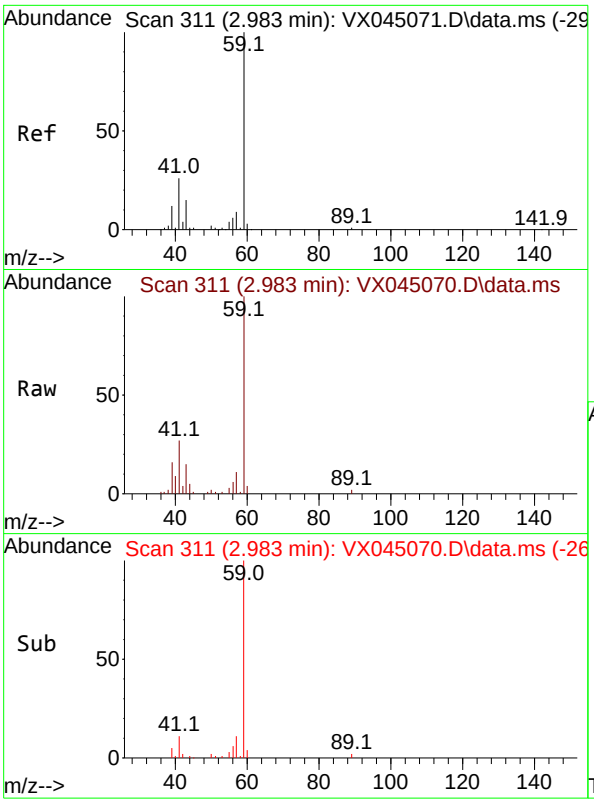


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:142 Resp: 29500

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.4	53.2
141	14.3	11.6	17.4

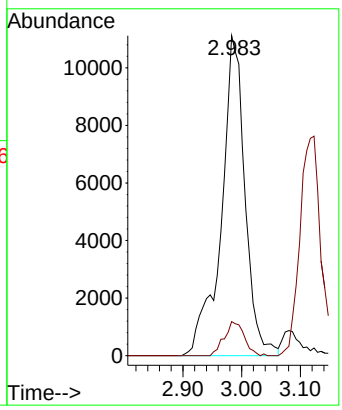




#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 59 Resp: 3124

Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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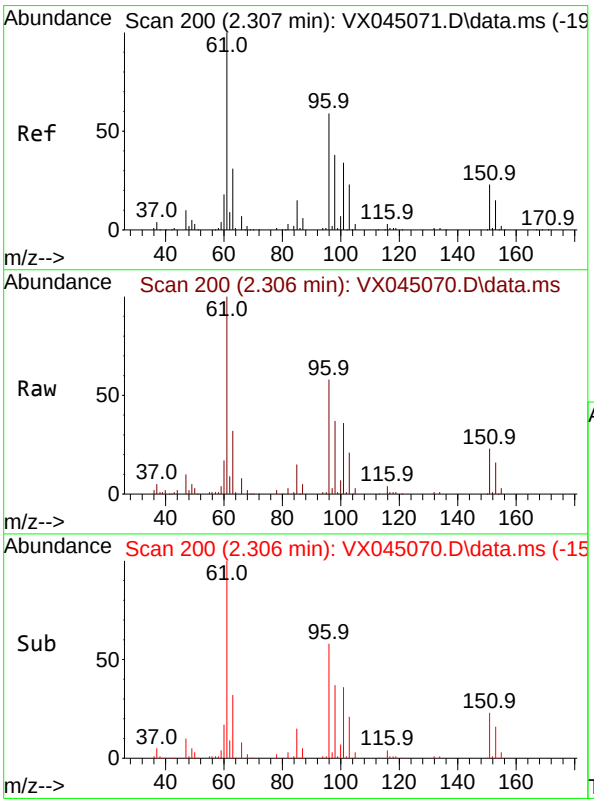
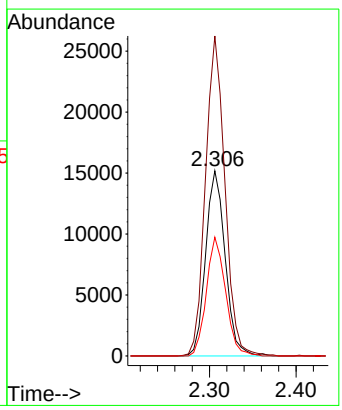
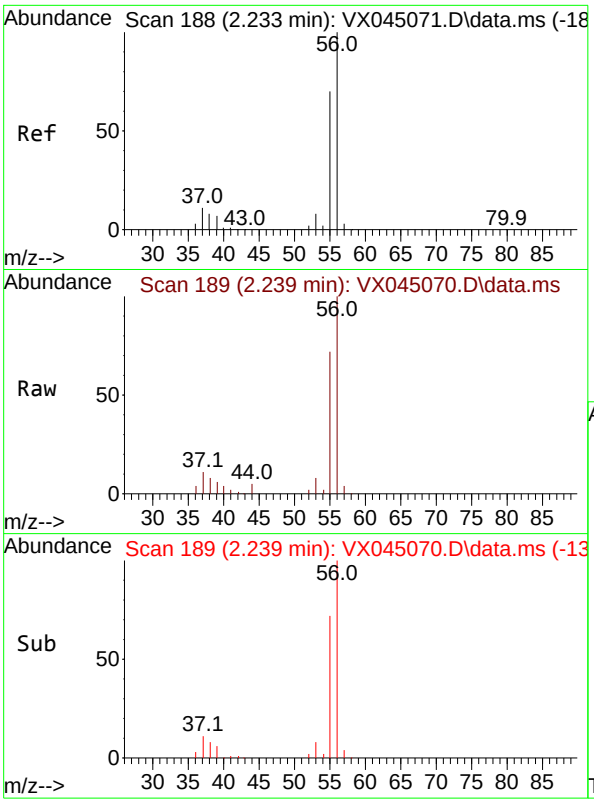


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 23810

Ion	Ratio	Lower	Upper
96	100		
61	172.8	134.6	202.0
98	64.1	51.0	76.6

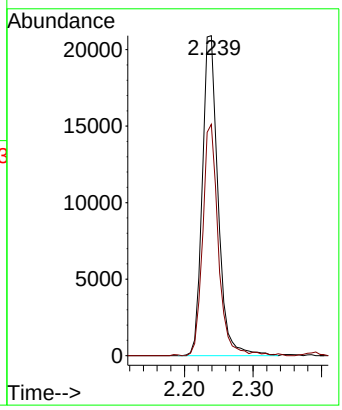




#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 3358

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4



Instrument :
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ClientSampleId :
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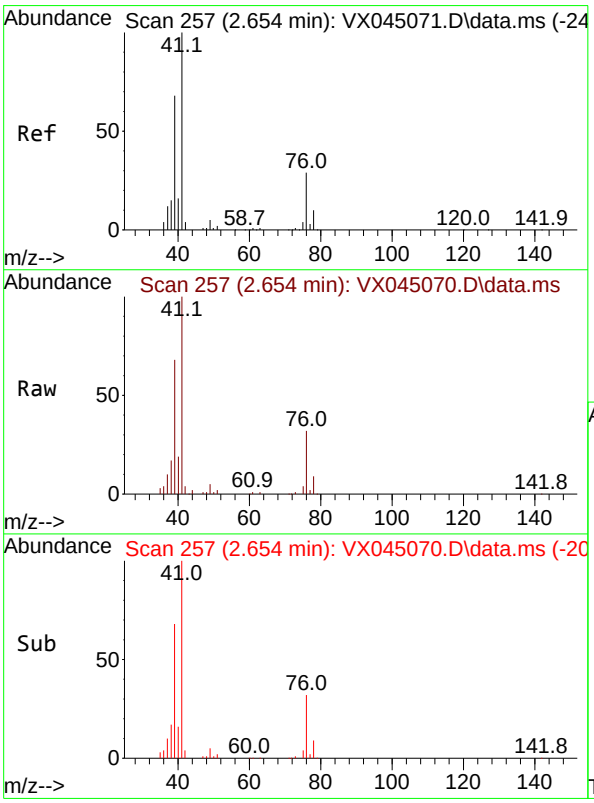
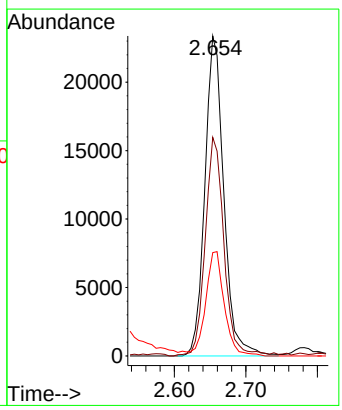
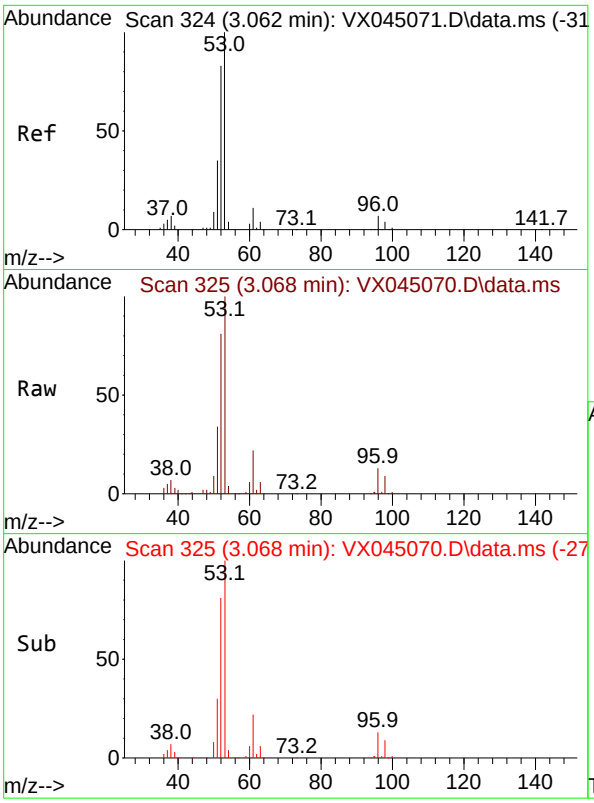


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 42993

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	32.1	25.2	37.8

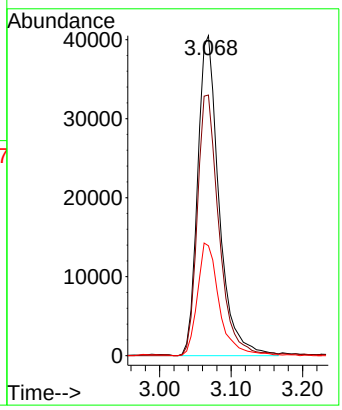




#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 53 Resp: 8418

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



Instrument :
MSVOA_X
ClientSampleId :
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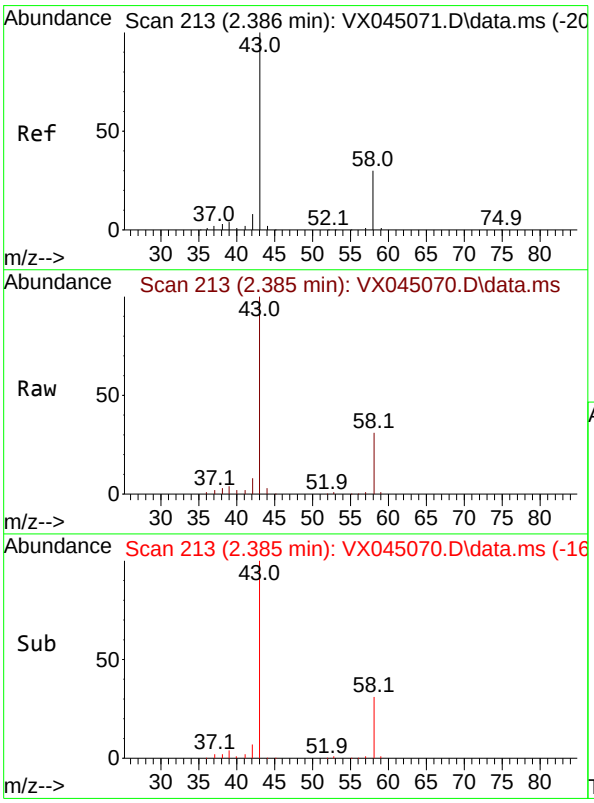
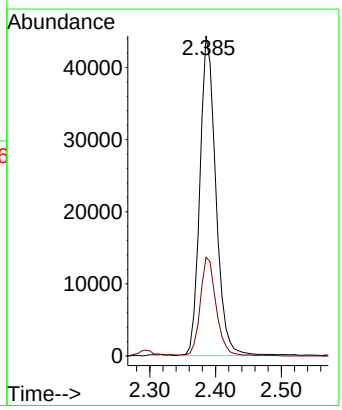
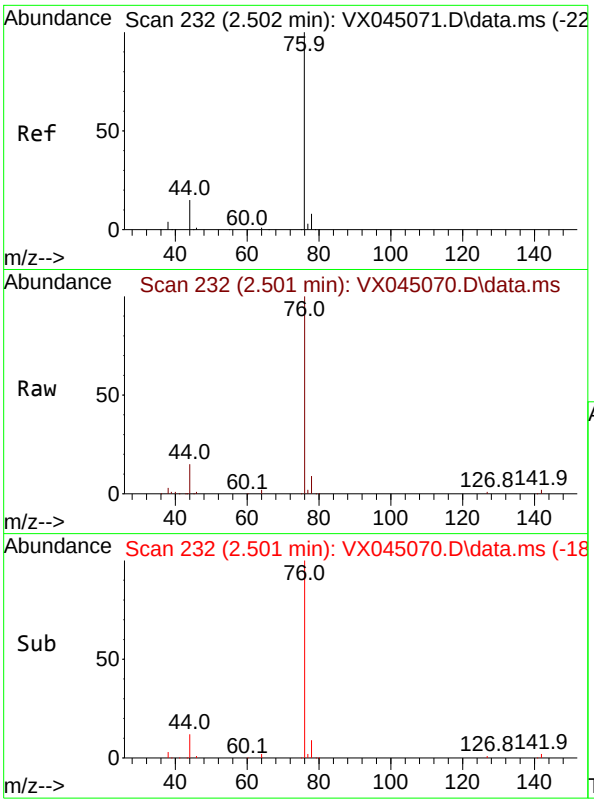


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 74701

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4

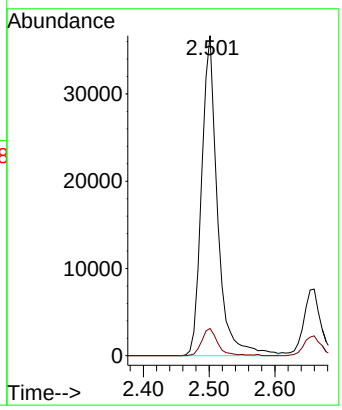




#17
Carbon Disulfide
Concen: 18.139 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 6180

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8



Instrument :
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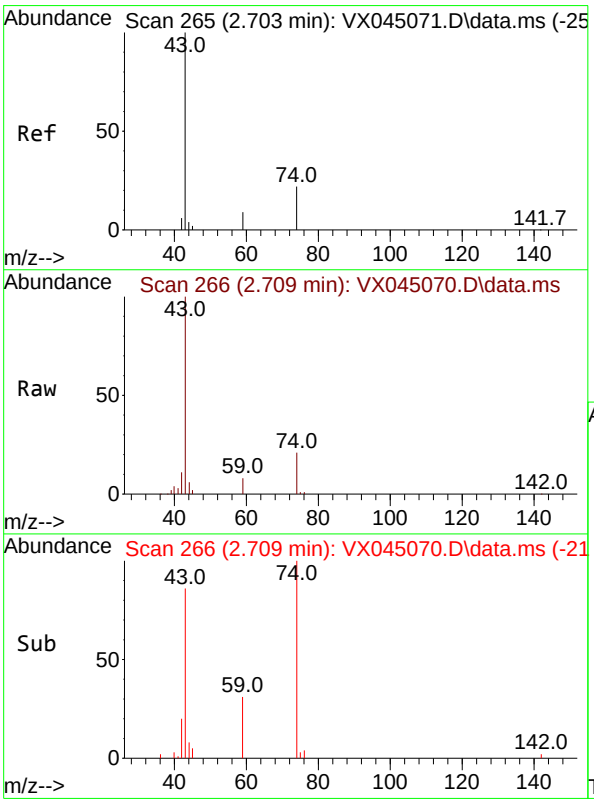
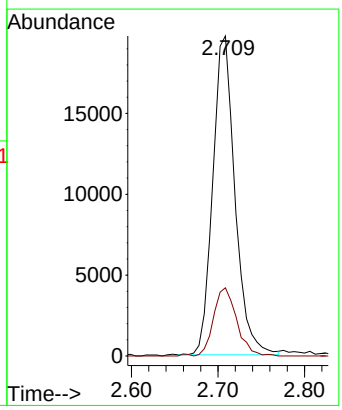
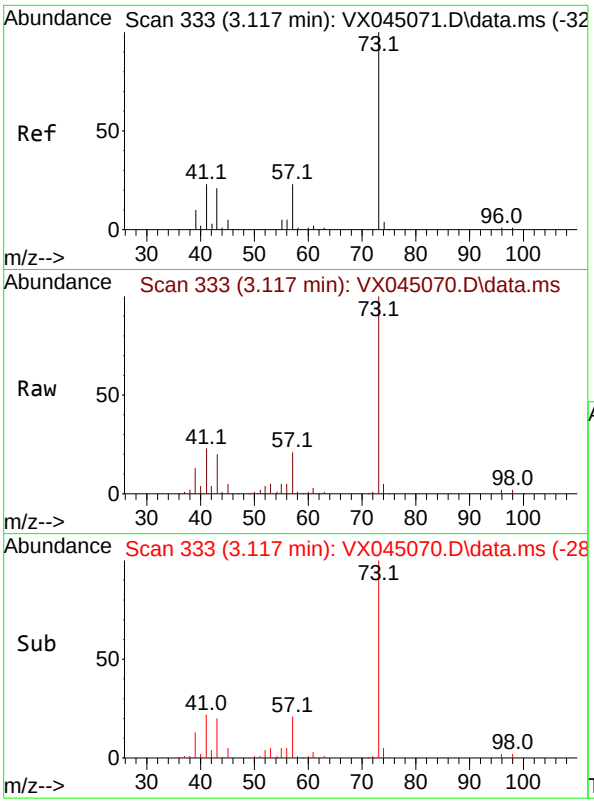


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

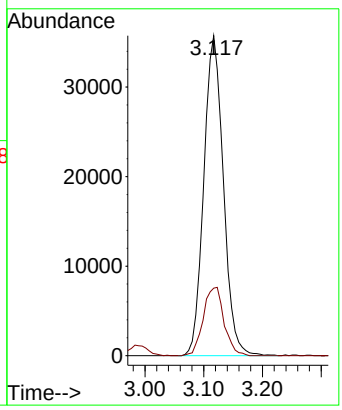




#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 73 Resp: 8283

Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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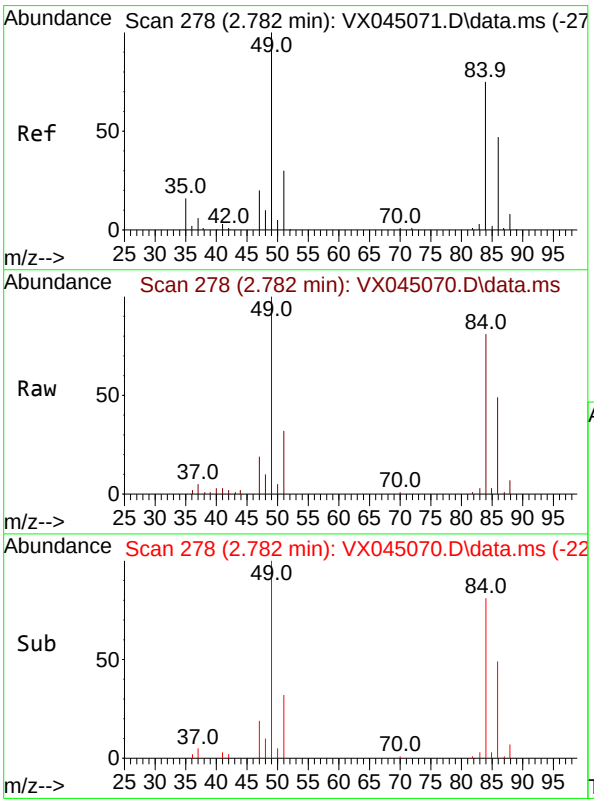
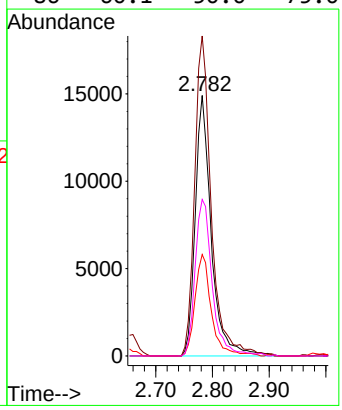
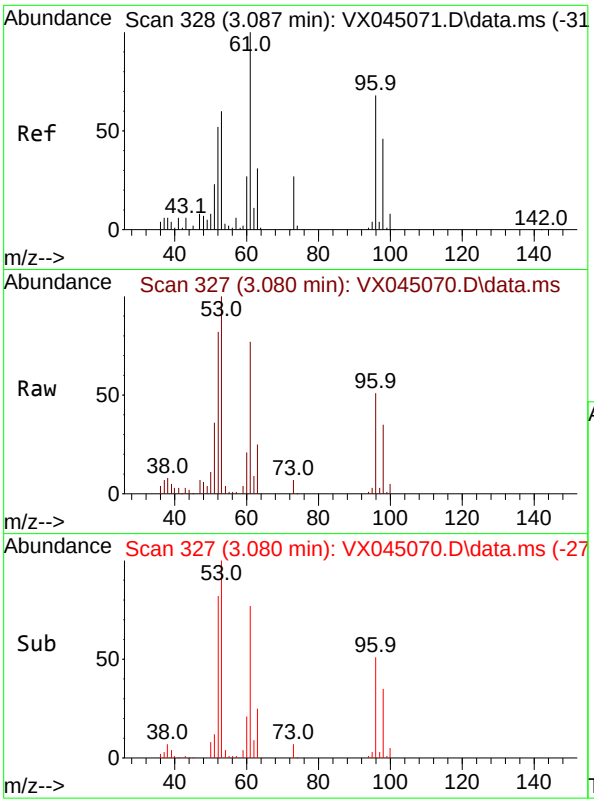


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 84 Resp: 29281

Ion	Ratio	Lower	Upper
84	100		
49	122.9	106.5	159.7
51	38.9	32.1	48.1
86	60.1	50.0	75.0





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

Tgt Ion: 96 Resp: 2347

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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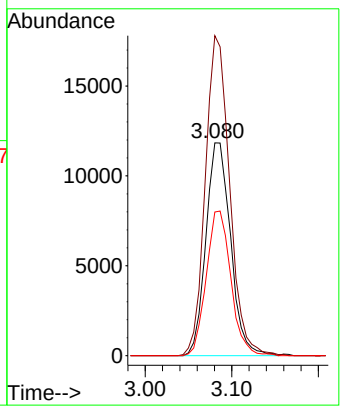
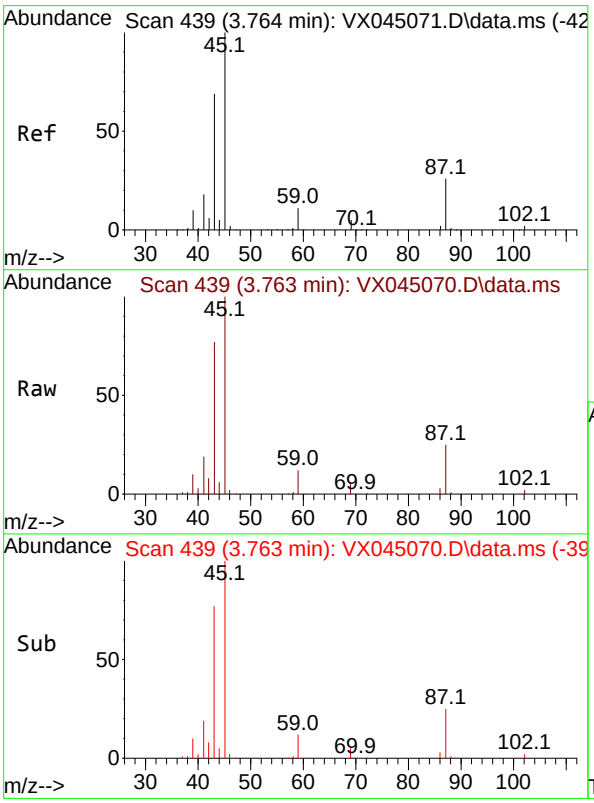
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

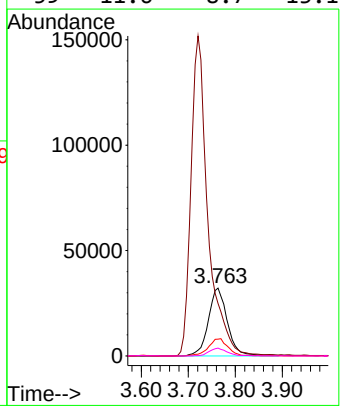


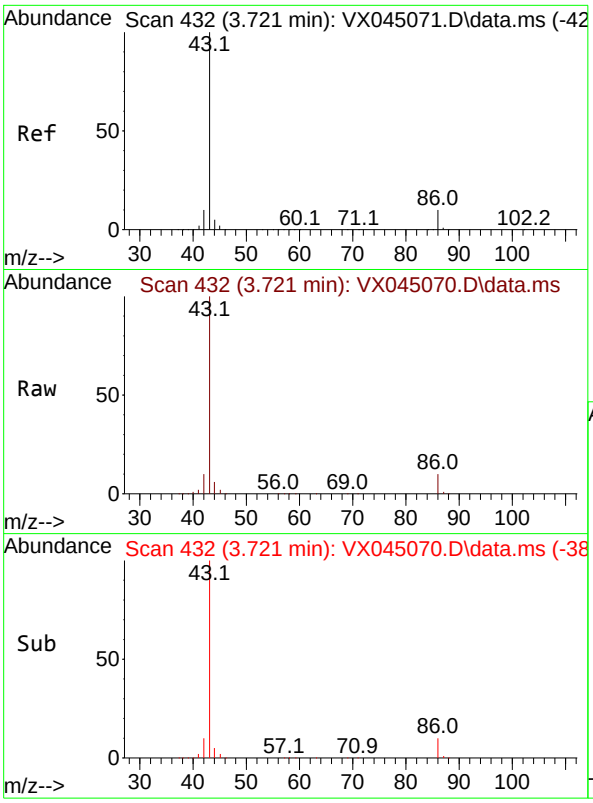


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 45 Resp: 90378

Ion	Ratio	Lower	Upper
45	100		
43	76.4	54.9	82.3
87	24.7	21.0	31.4
59	11.6	8.7	13.1

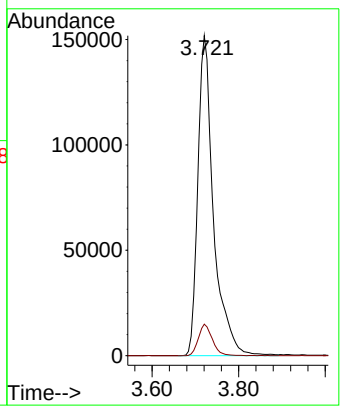




#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 38180

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
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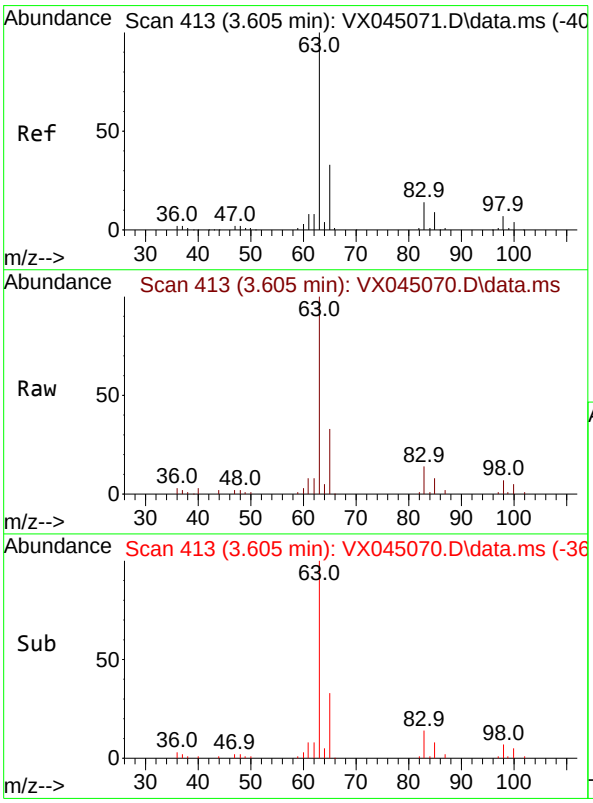
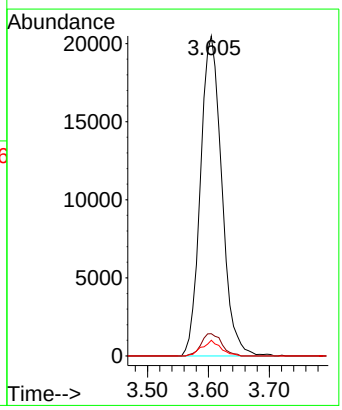
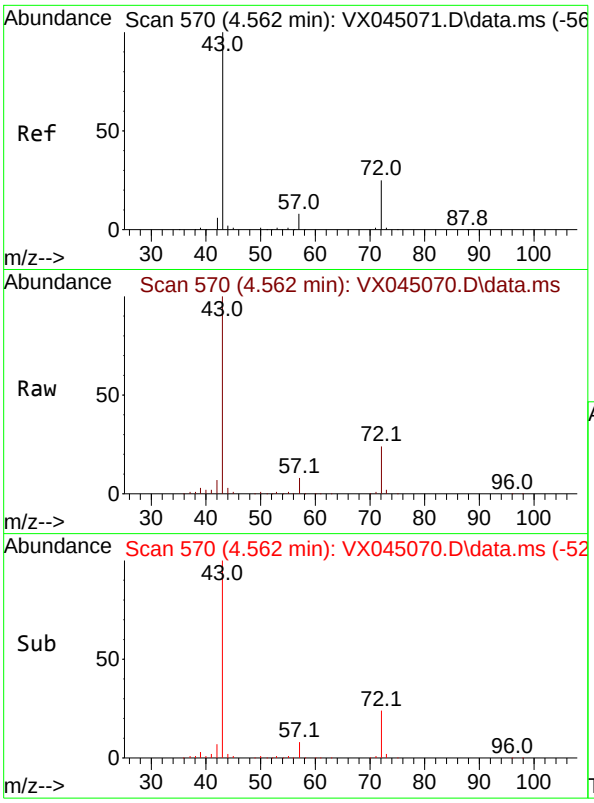


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 49826

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.9	2.1	6.5





#25
2-Butanone
Concen: 124.449 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 11871

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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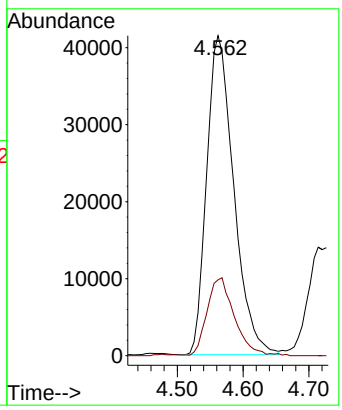
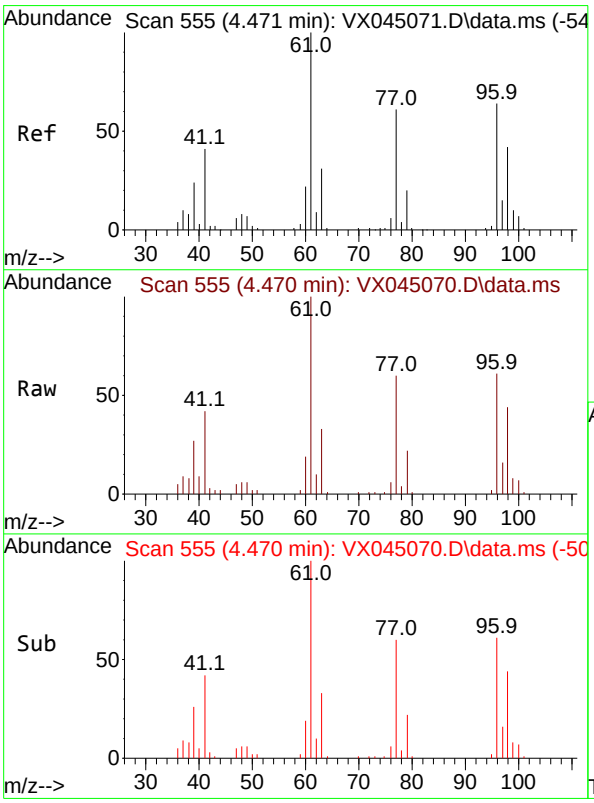
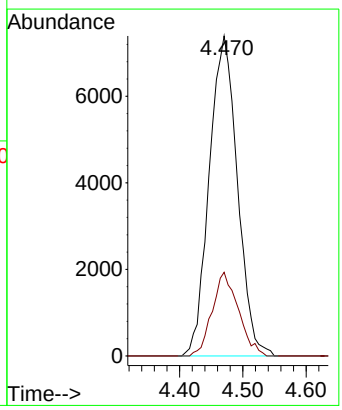


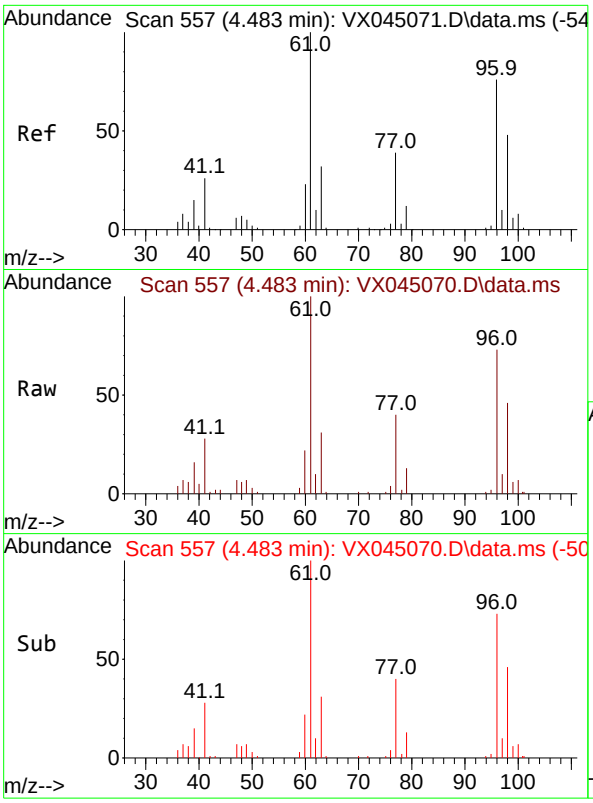


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 77 Resp: 22886

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0

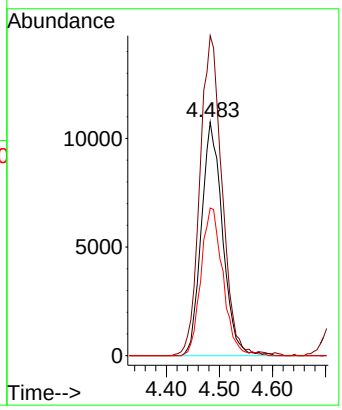




#27
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 2978

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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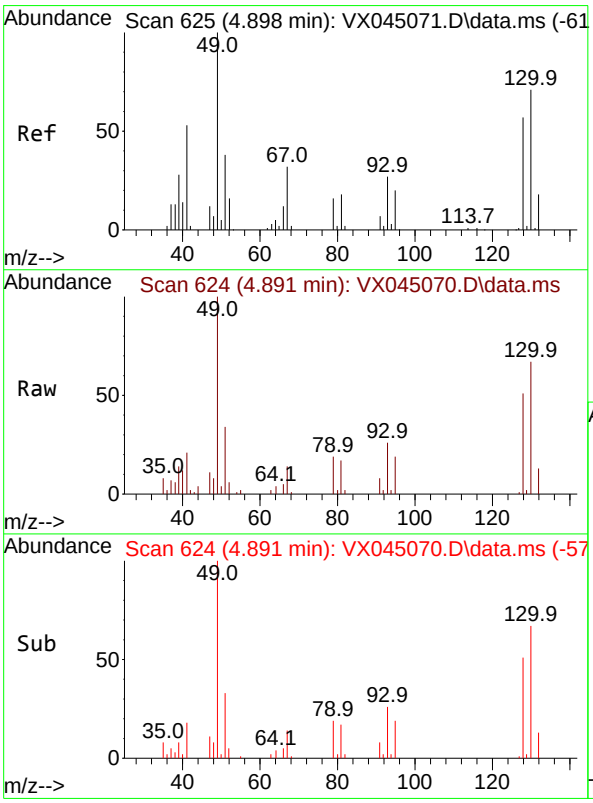
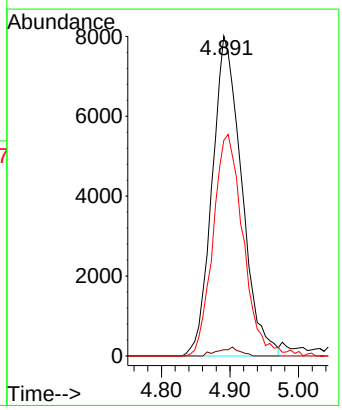
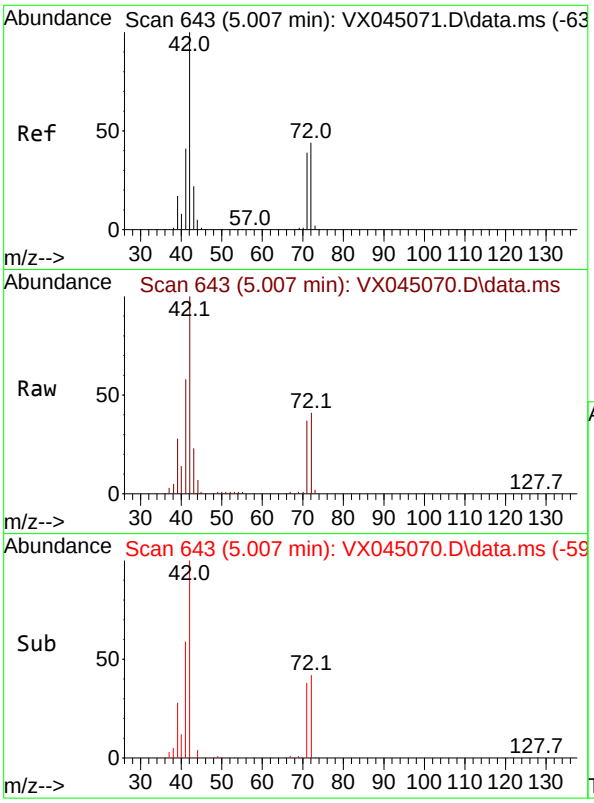


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 49 Resp: 23869

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	70.6	56.1	84.1

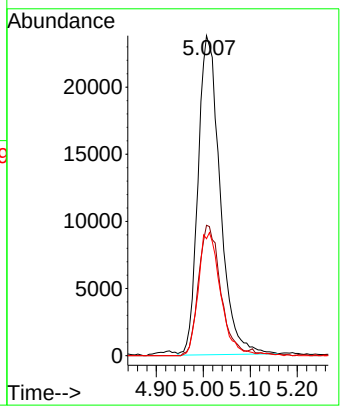




#29
Tetrahydrofuran
Concen: 122.519 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 42 Resp: 7743

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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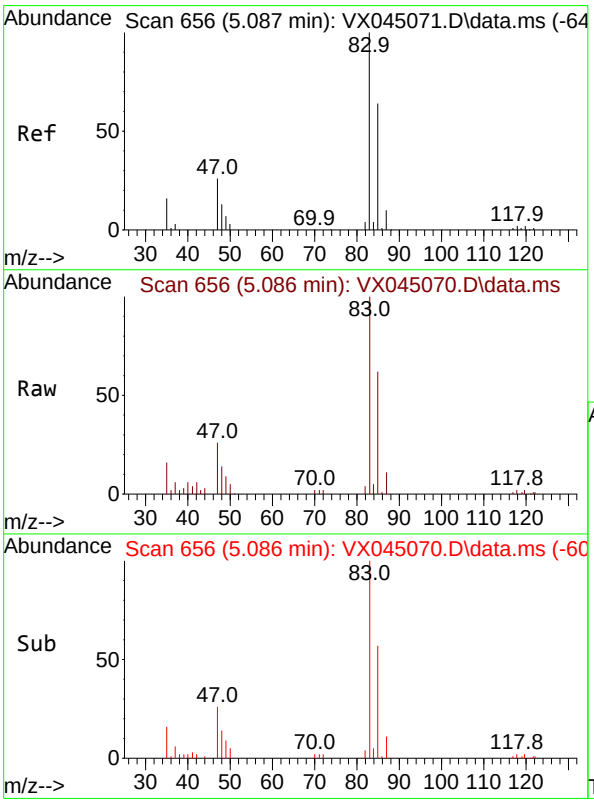
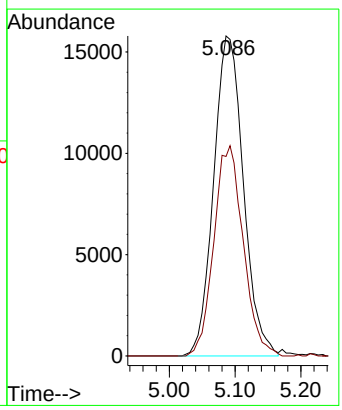
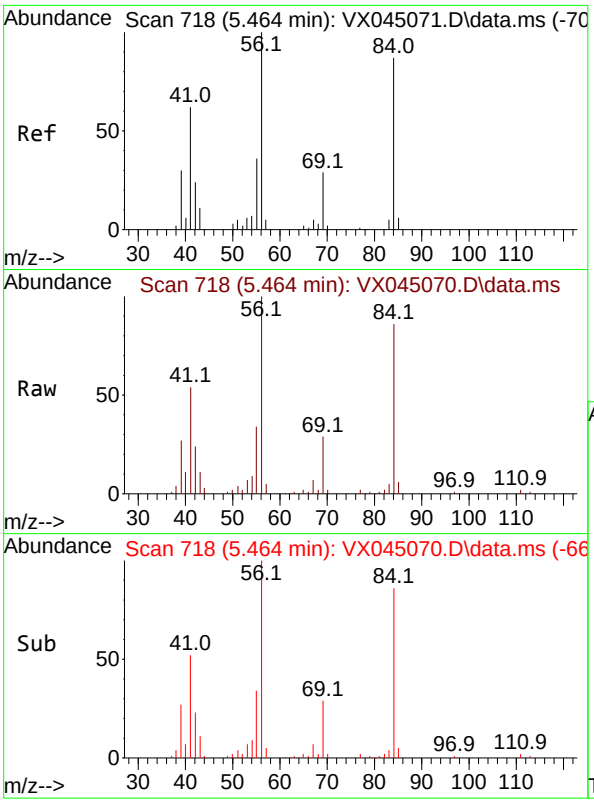


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2

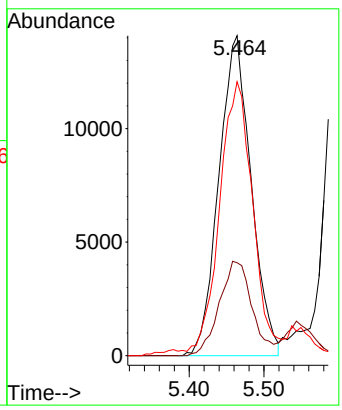




#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 4234

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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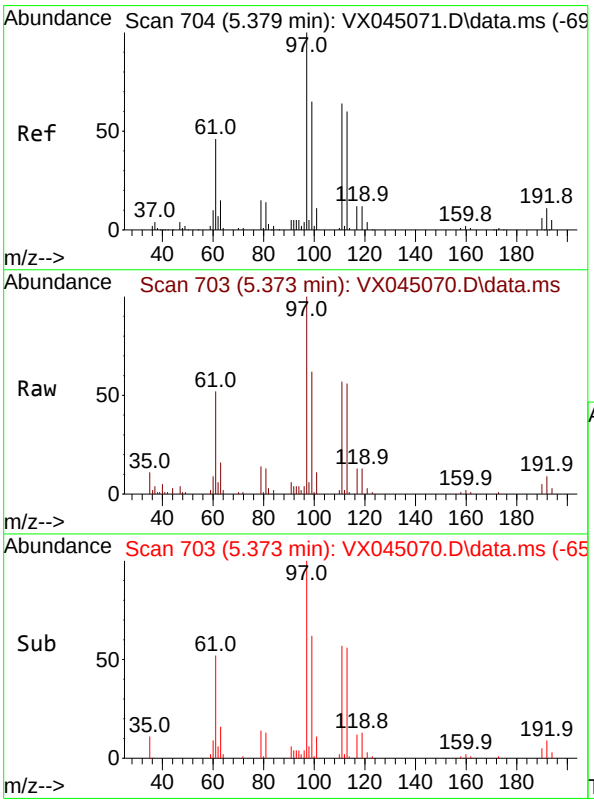
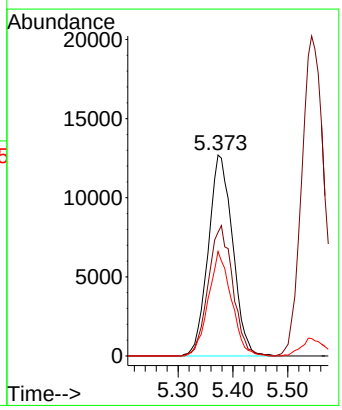
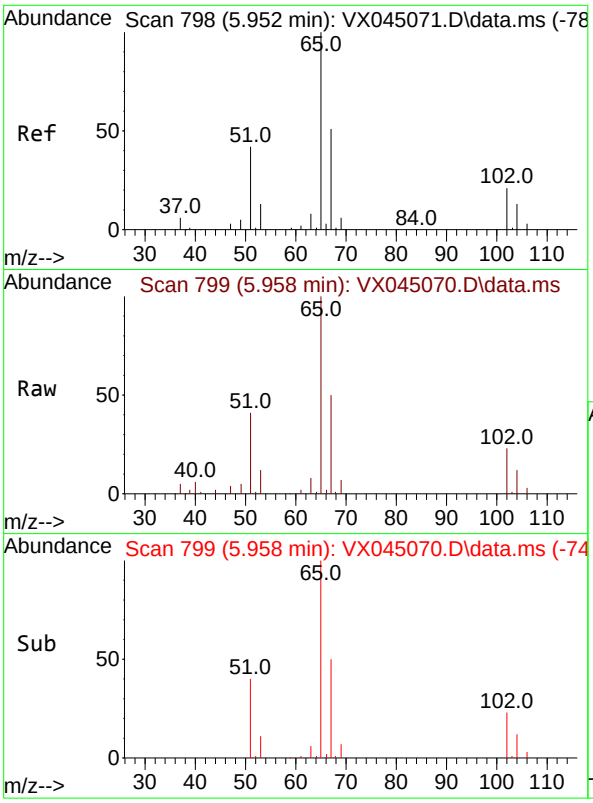


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 39276

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	48.9	38.4	57.6

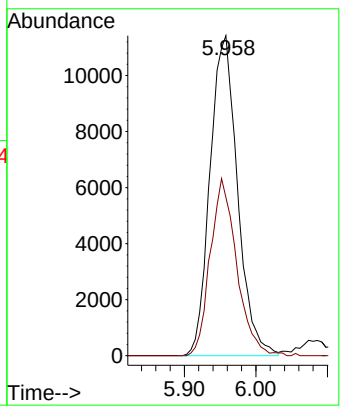




#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 65 Resp: 3051

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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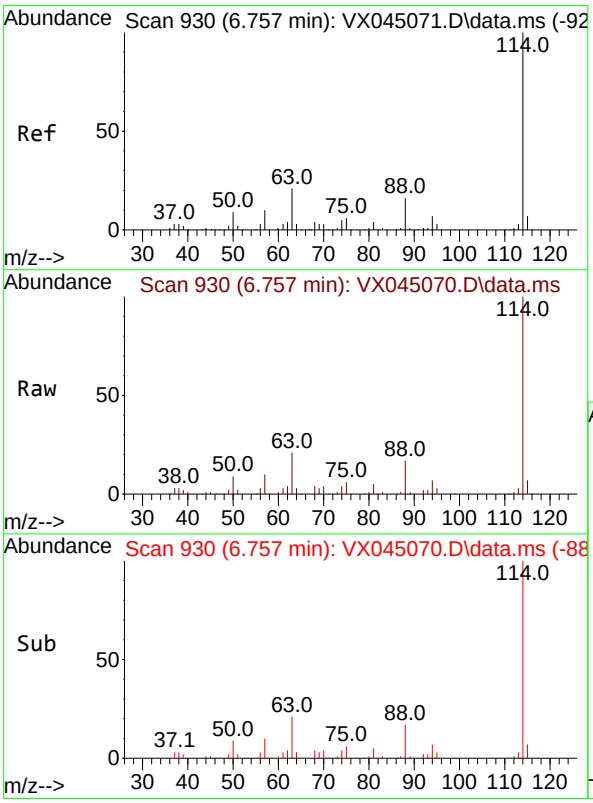
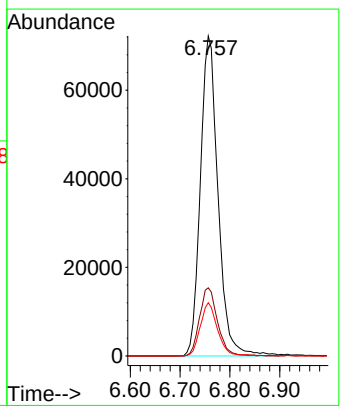
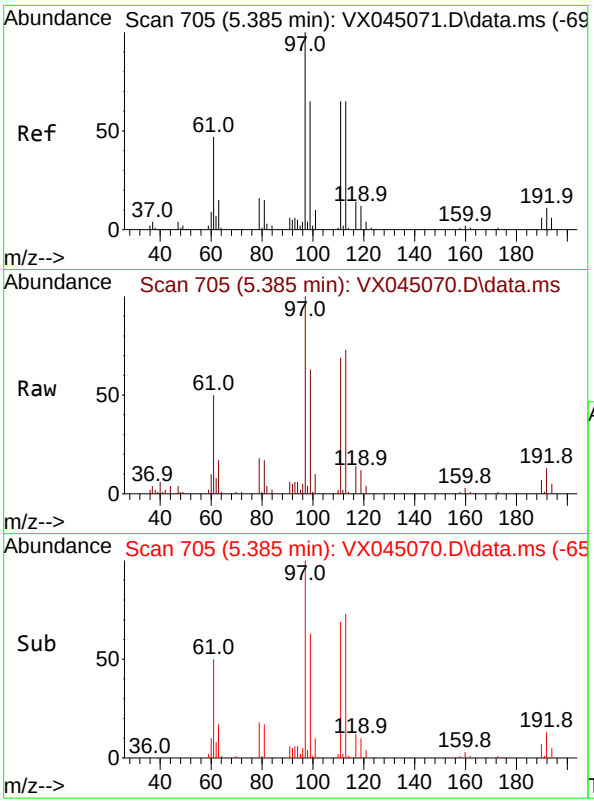


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:114 Resp: 177403

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.8
88	16.6	0.0	32.8

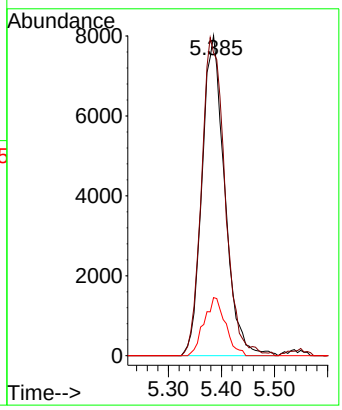




#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:113 Resp: 2373

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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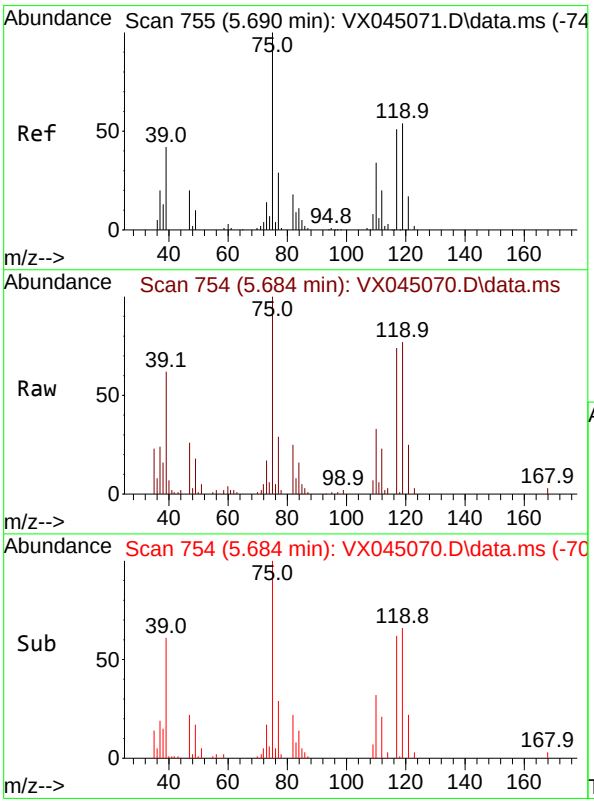
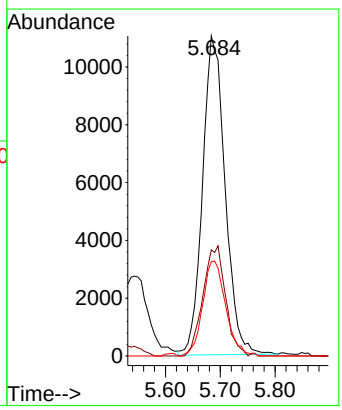
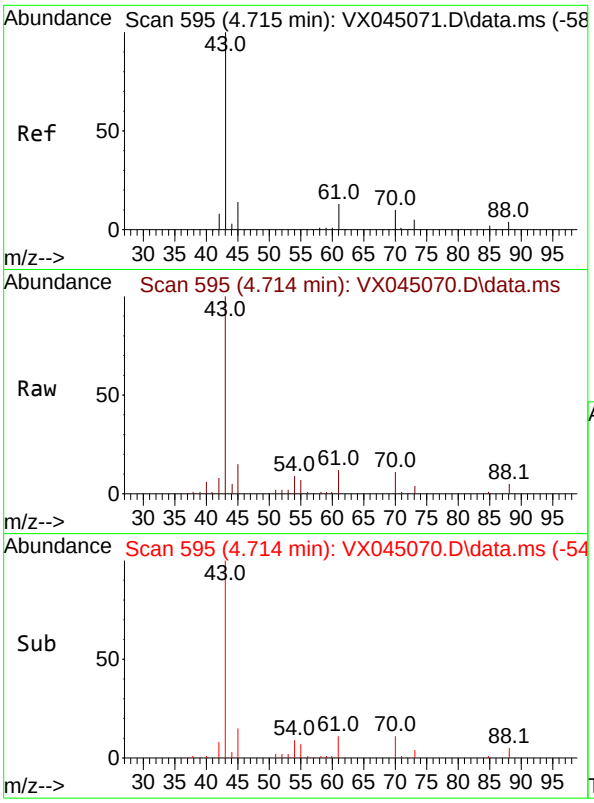


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 31519

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.3	24.5	36.7

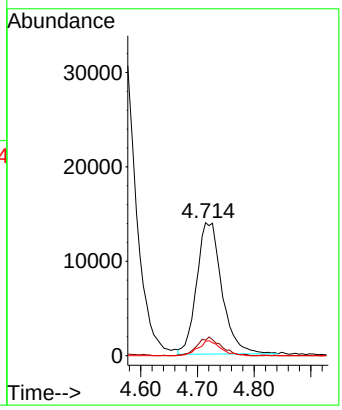




#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 4309

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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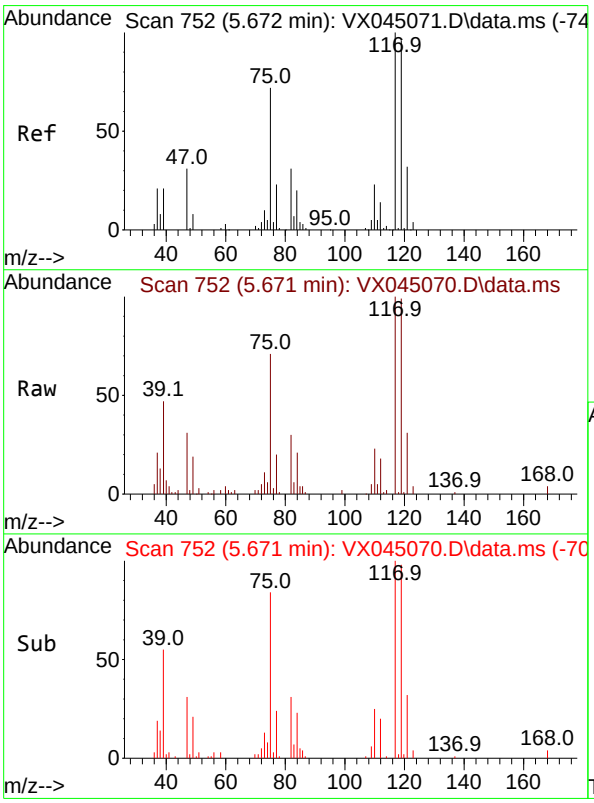
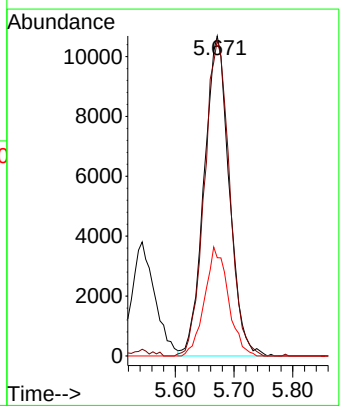
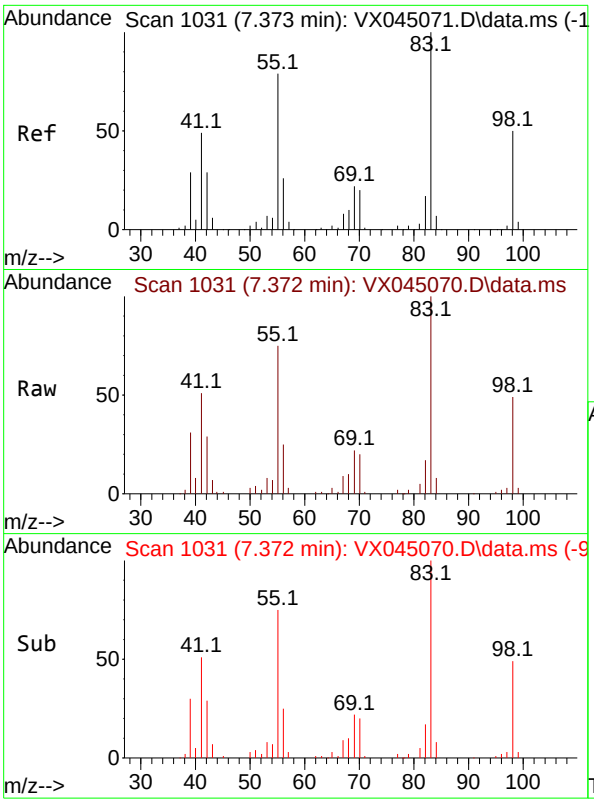


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 31694

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.7	115.1
121	30.7	25.5	38.3

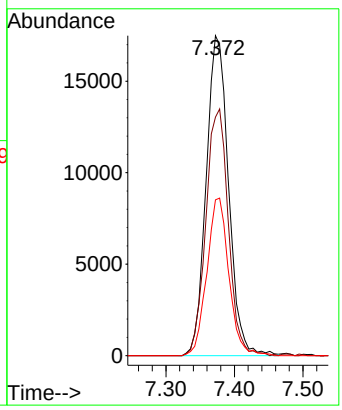




#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3976

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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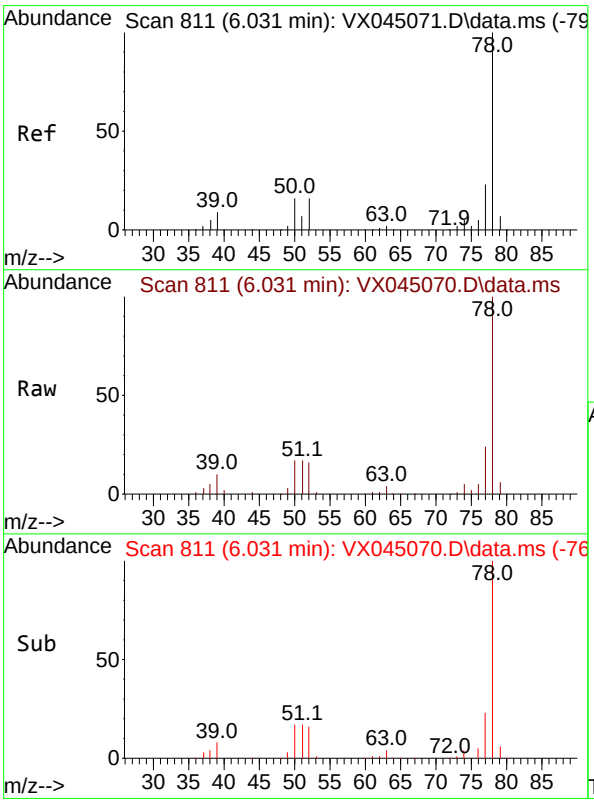
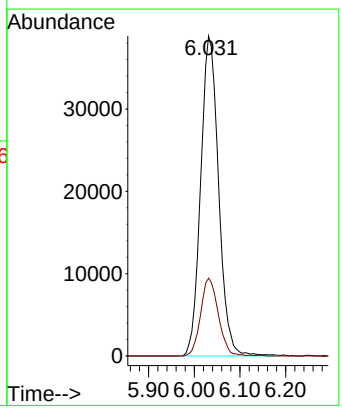
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

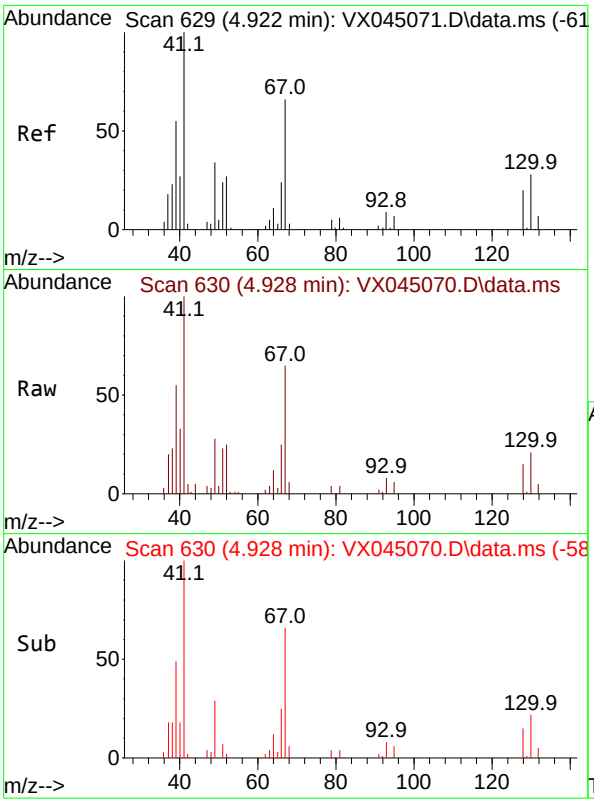


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2

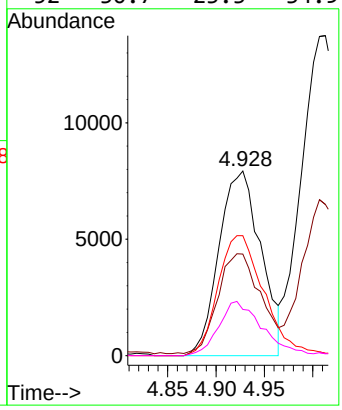




#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 2392

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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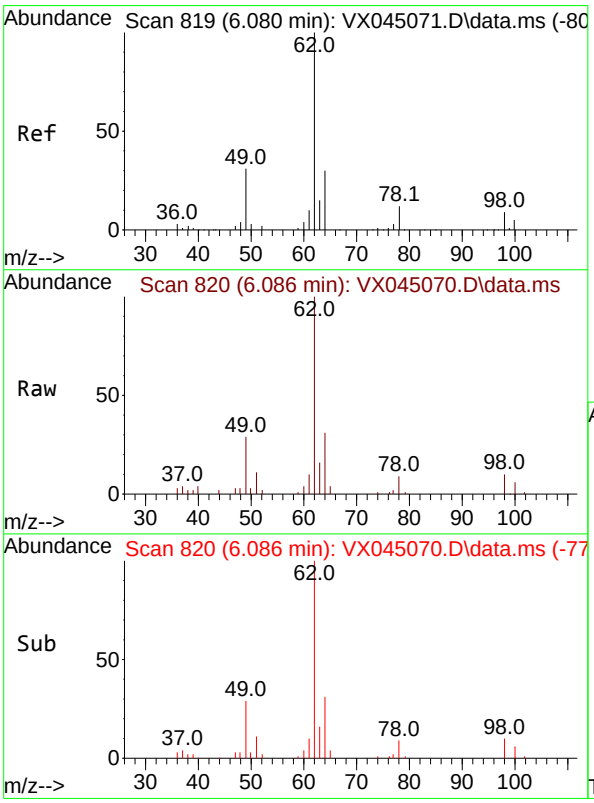
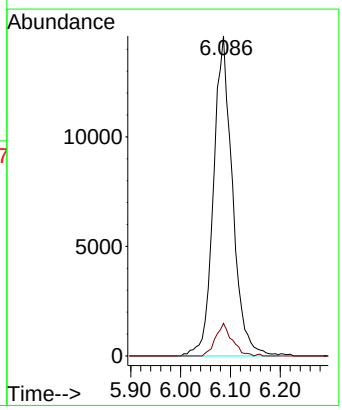
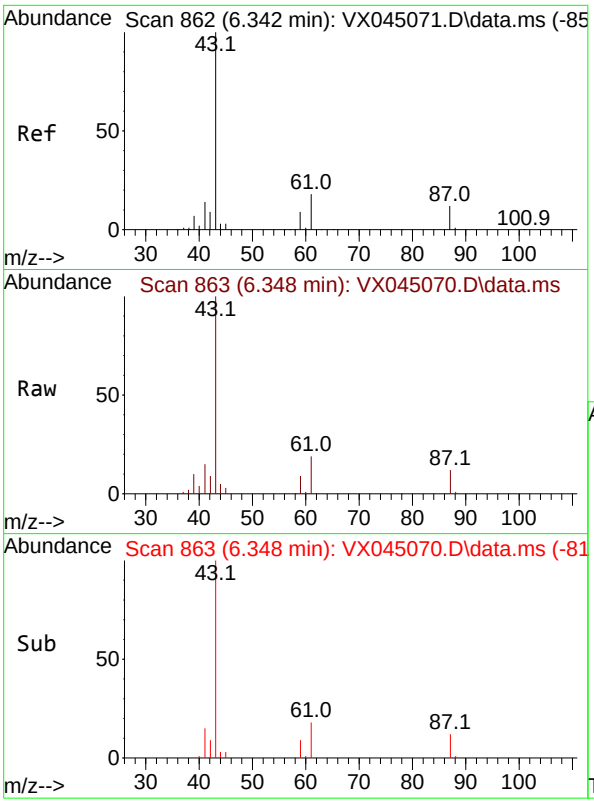


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 38653

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
Isopropyl Acetate
Concen: 22.094 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 6672

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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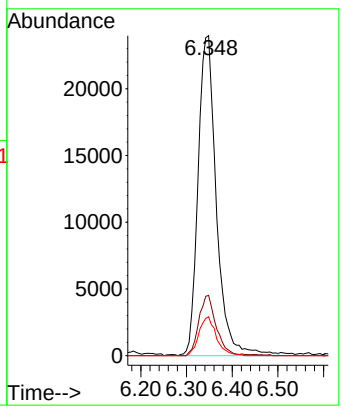
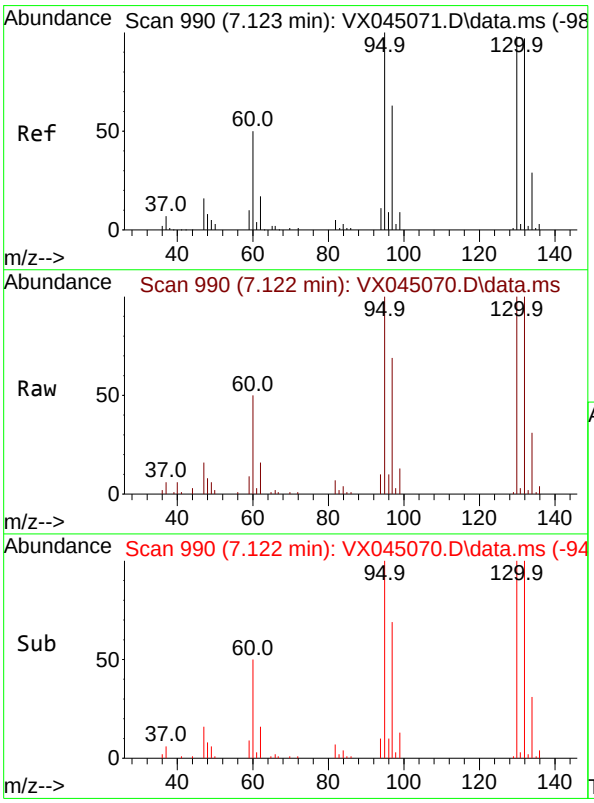
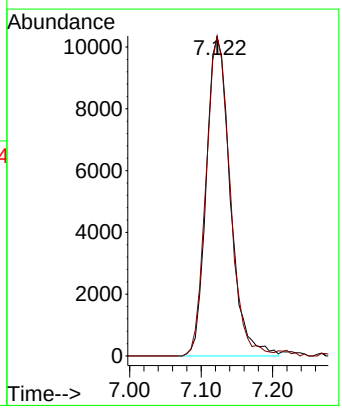


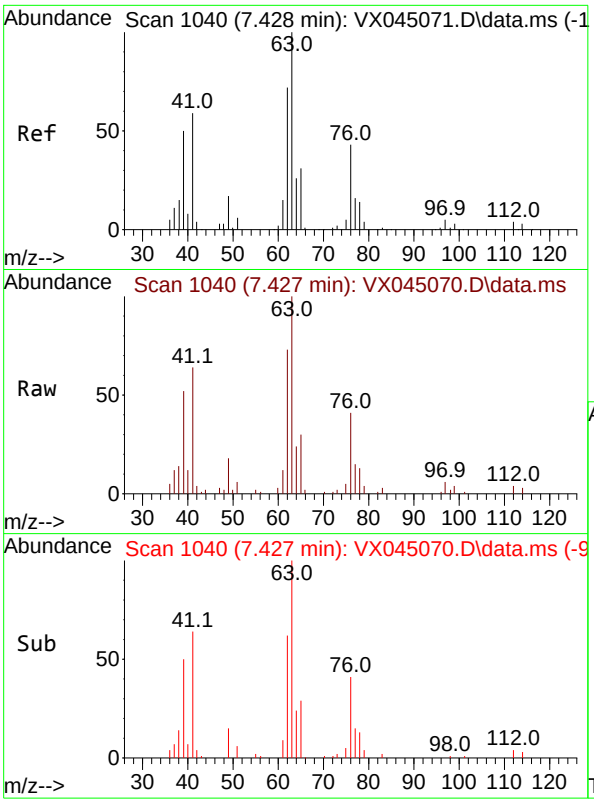


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0

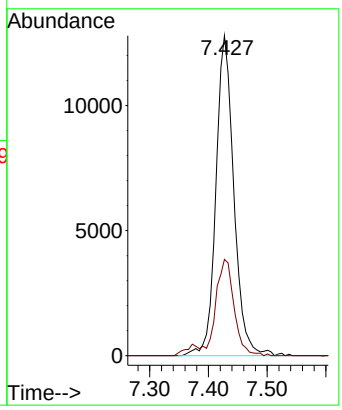




#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 2712

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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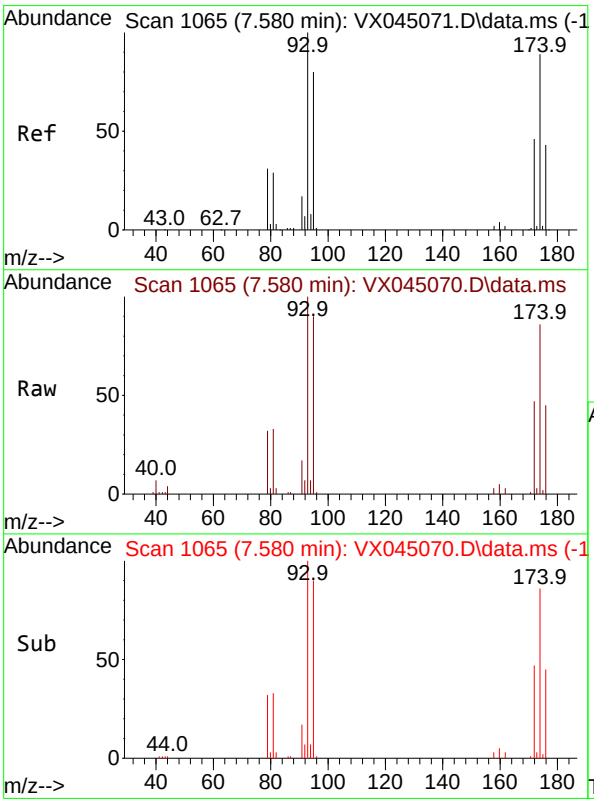
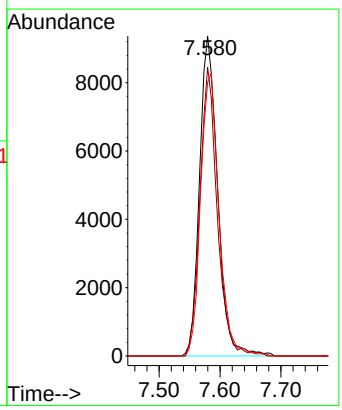
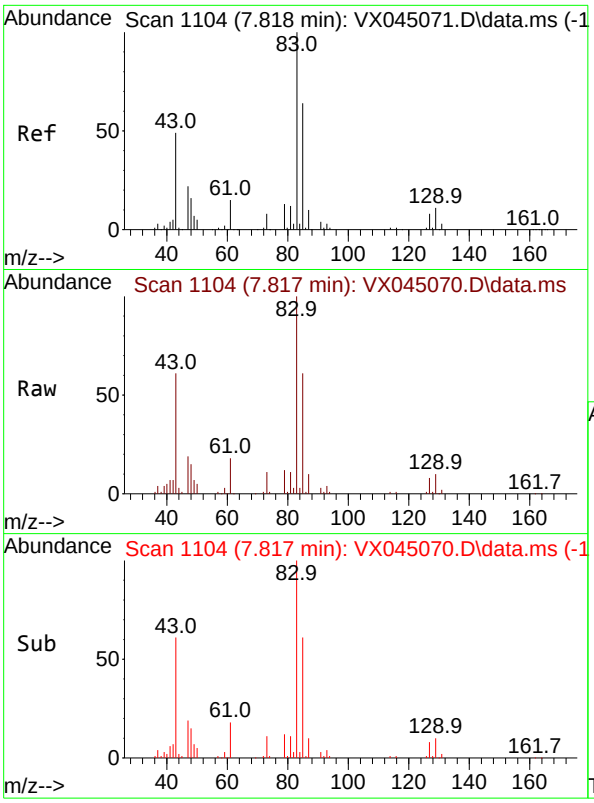


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 93 Resp: 19323

Ion	Ratio	Lower	Upper
93	100		
95	86.4	65.8	98.8
174	89.6	72.2	108.2

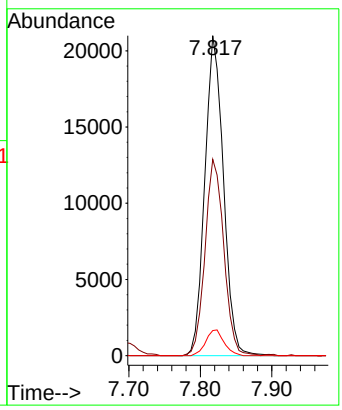




#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3803

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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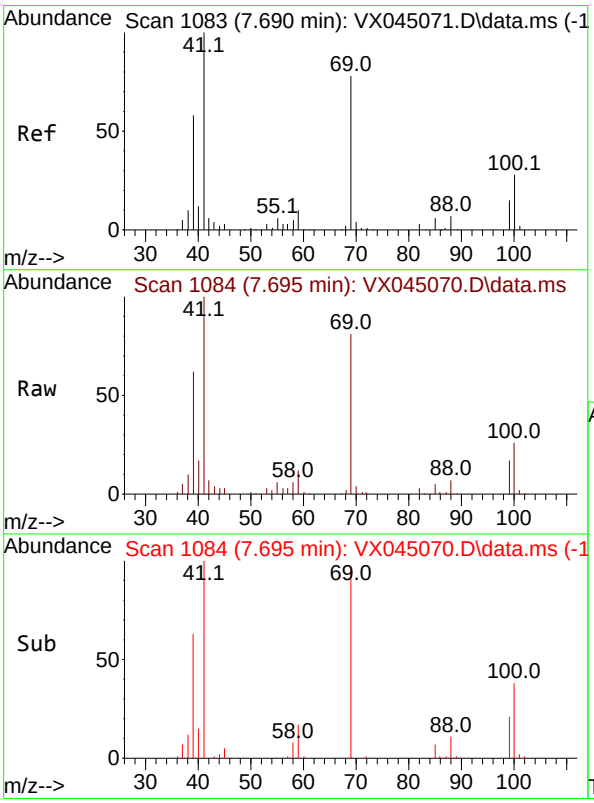
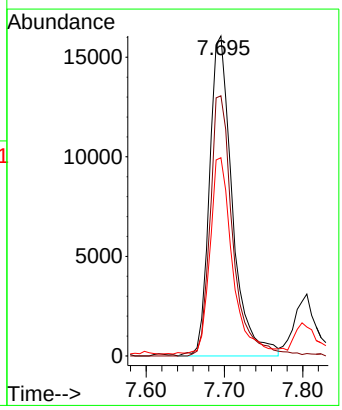
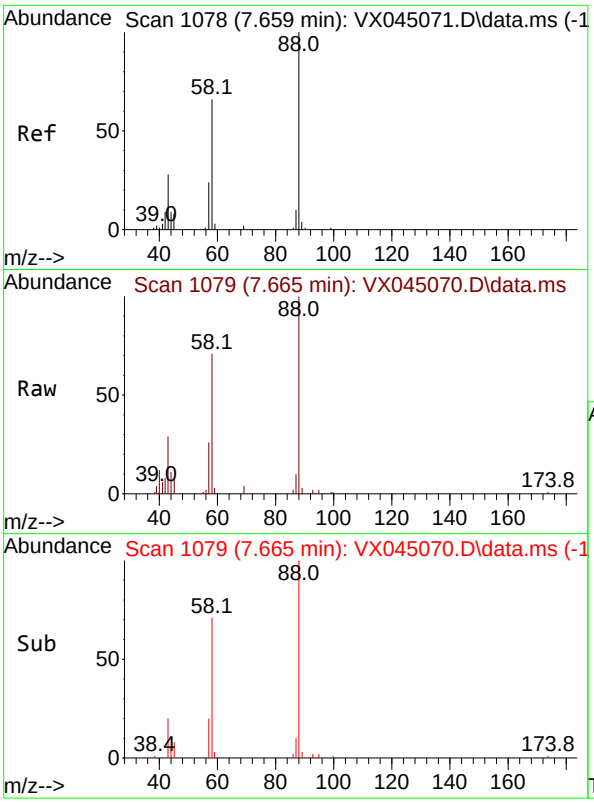


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 32627

Ion	Ratio	Lower	Upper
41	100		
69	81.2	63.0	94.6
39	59.8	47.5	71.3

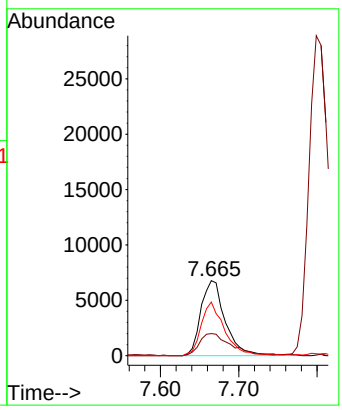




#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 88 Resp: 1460

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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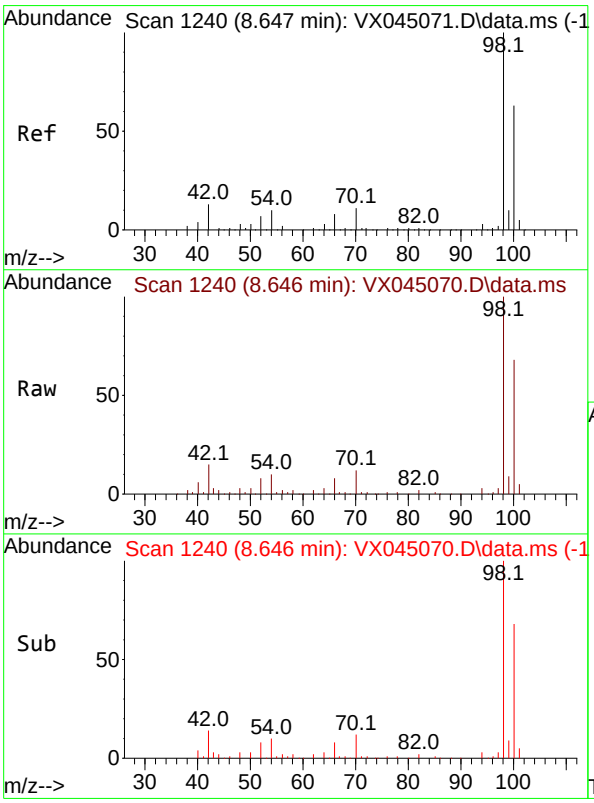
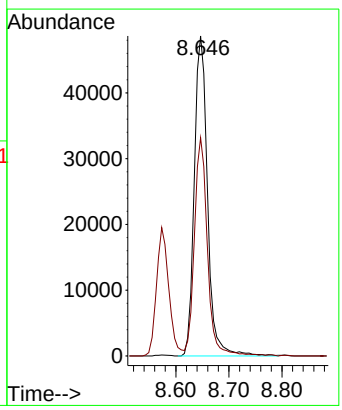
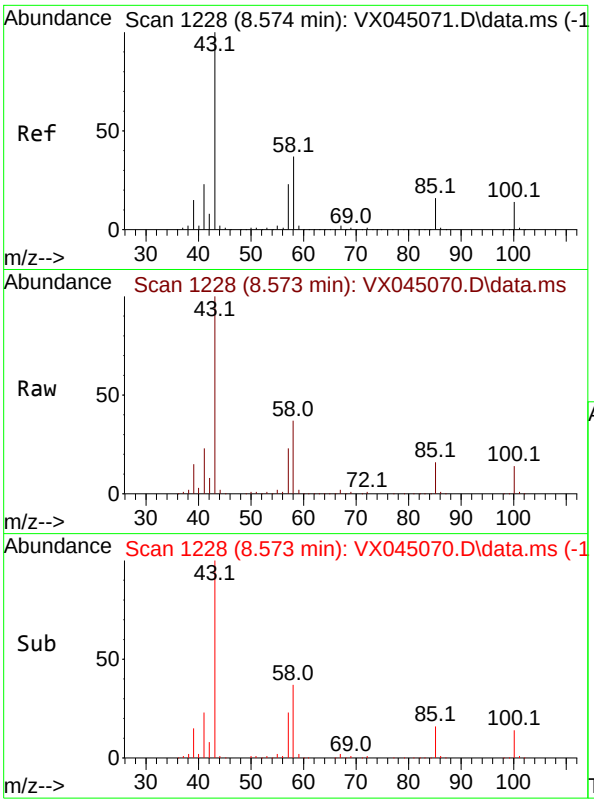


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 98 Resp: 84516

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0

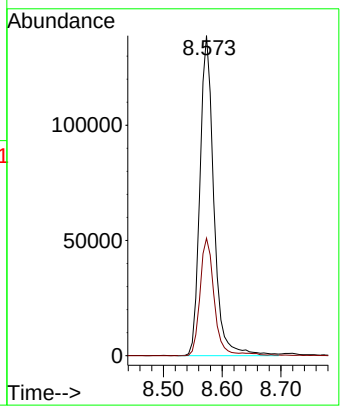




#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 22961

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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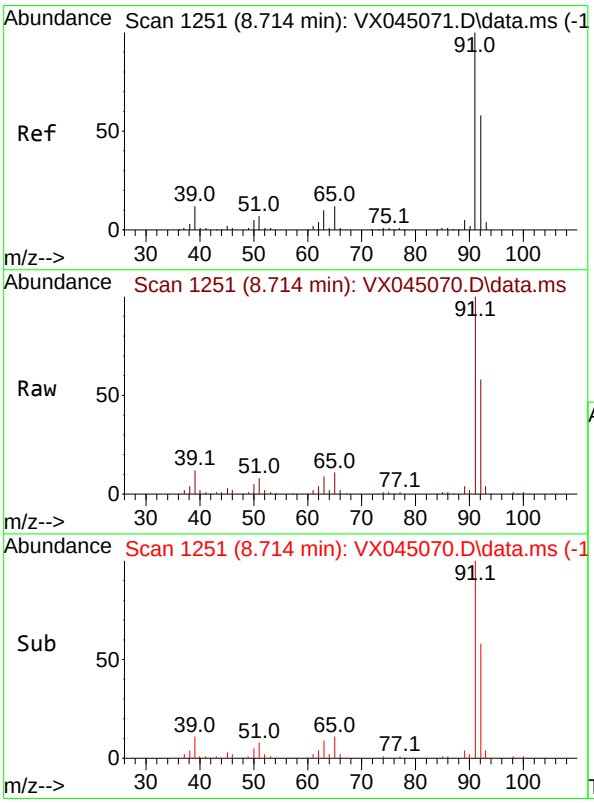
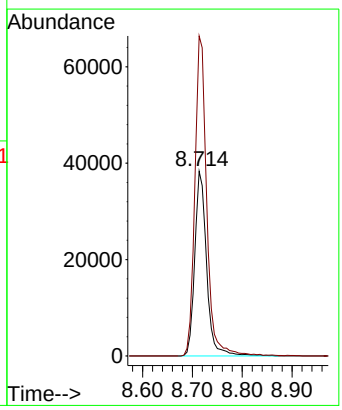
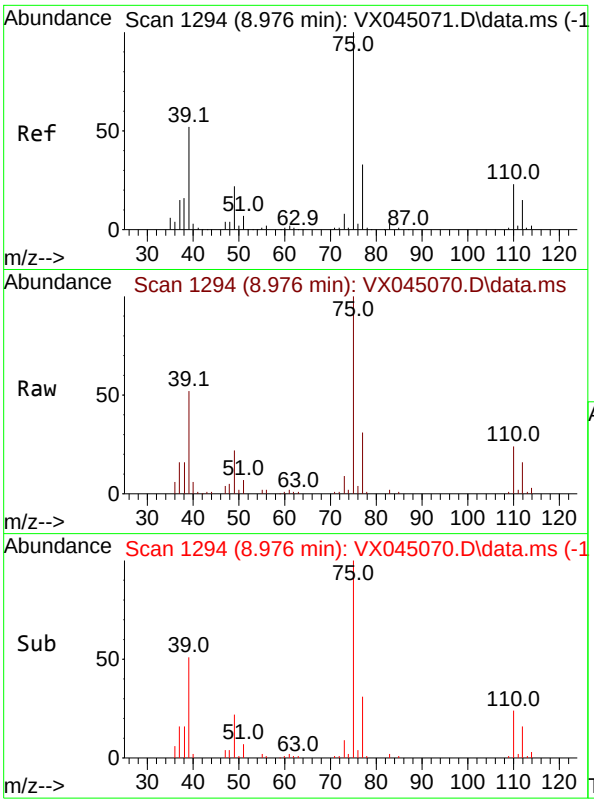


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3

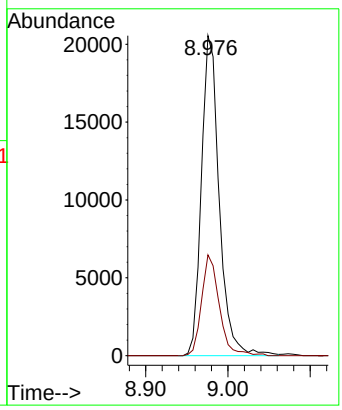




#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 3091

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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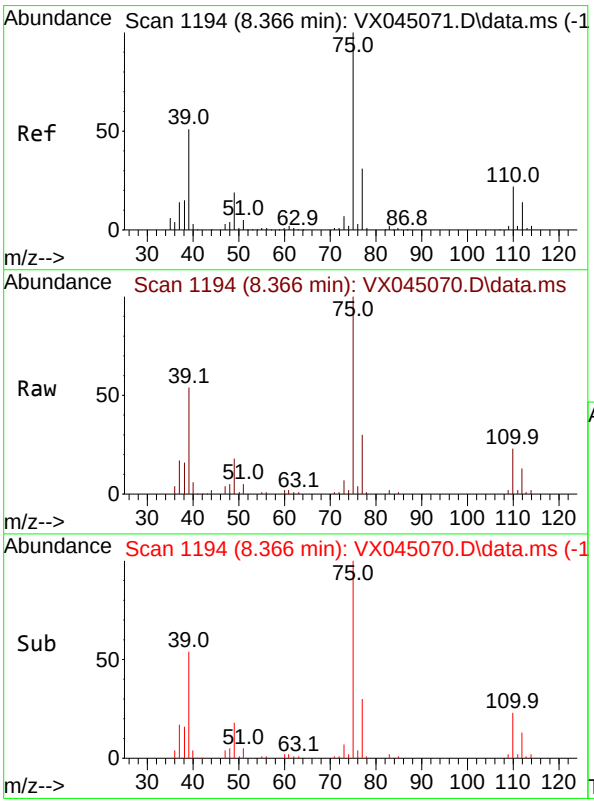
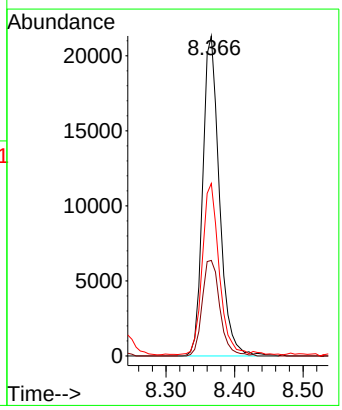
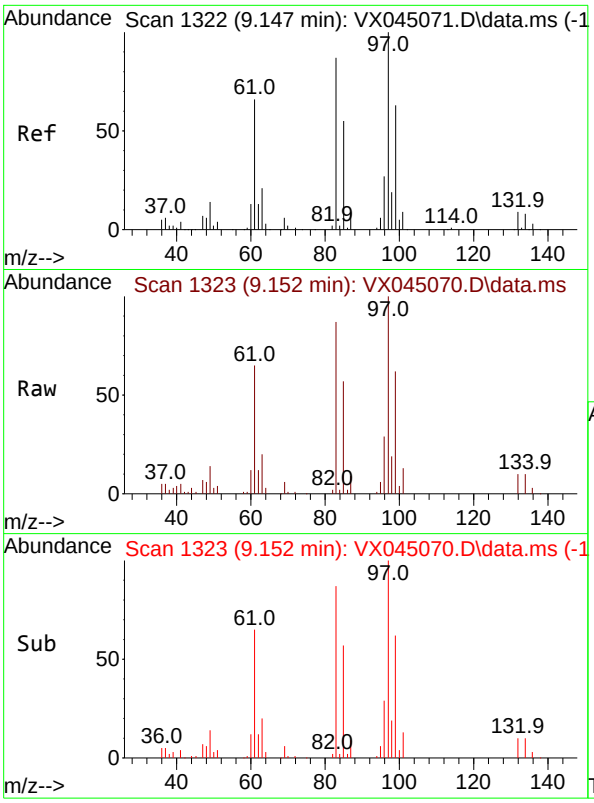


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 36118

Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.7	37.1
39	53.5	40.7	61.1

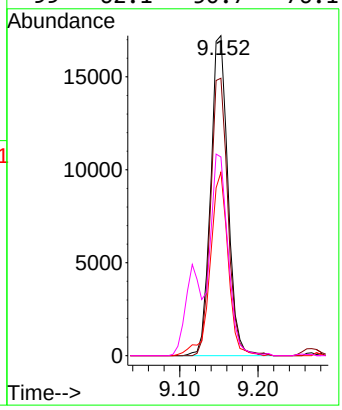




#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 2635

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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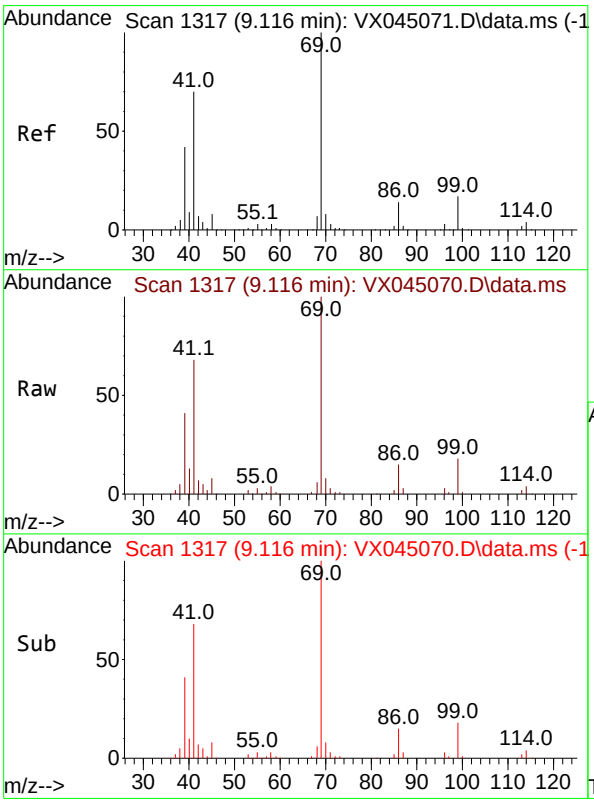
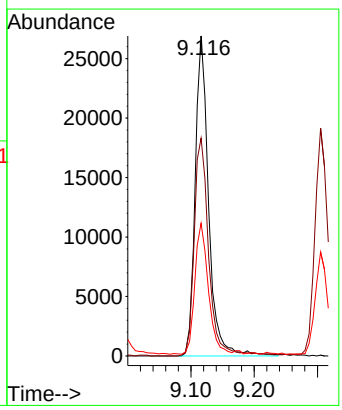
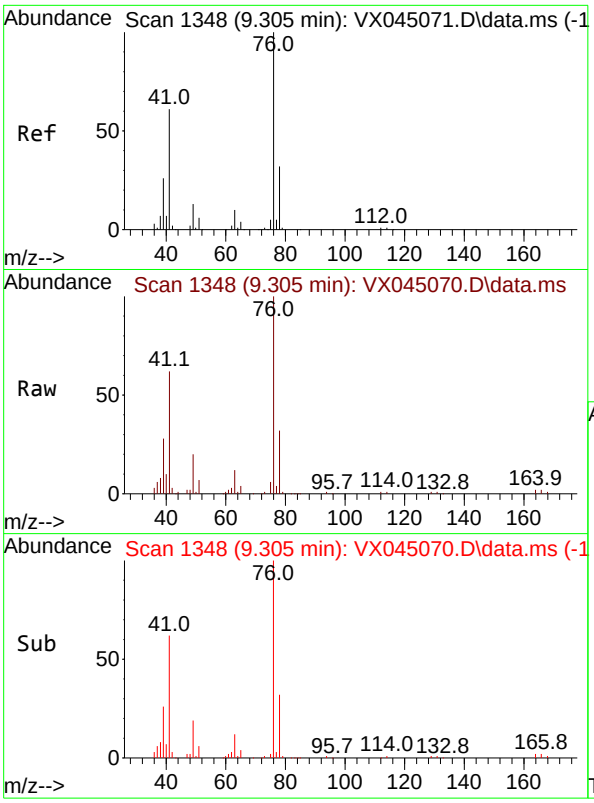


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 69 Resp: 39850

Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.0	85.4
39	40.6	34.2	51.4

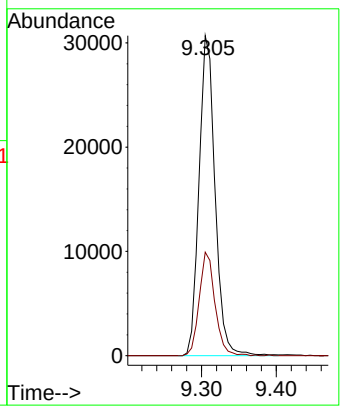




#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 4564

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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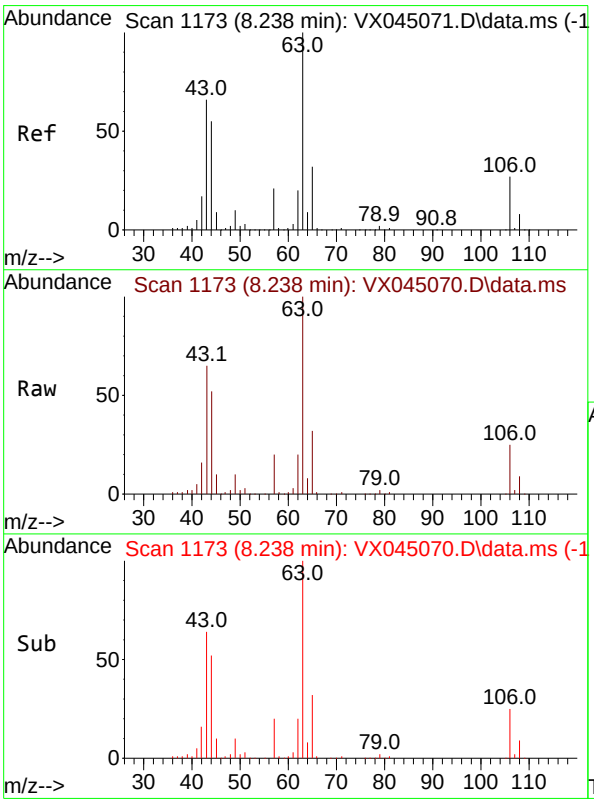
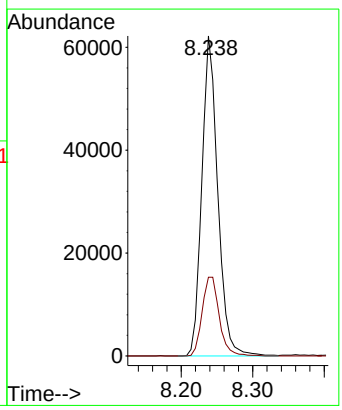
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

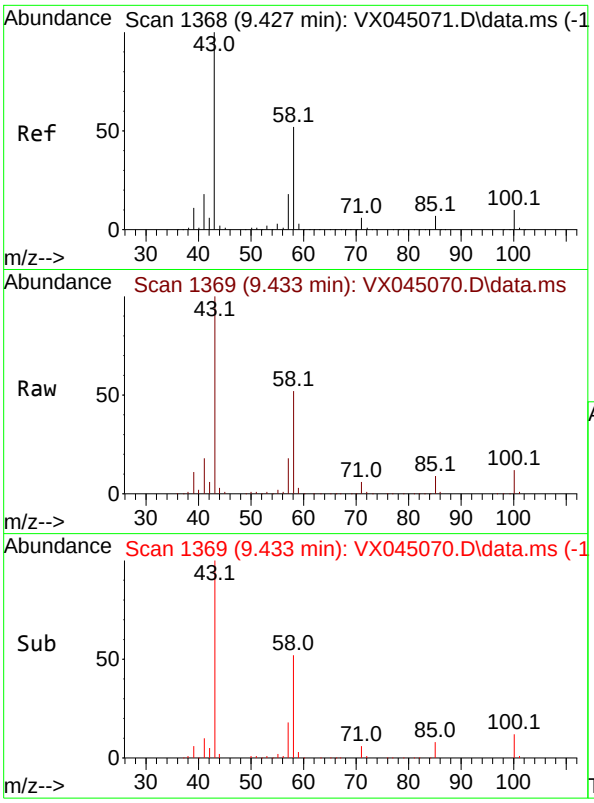


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 96311

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3

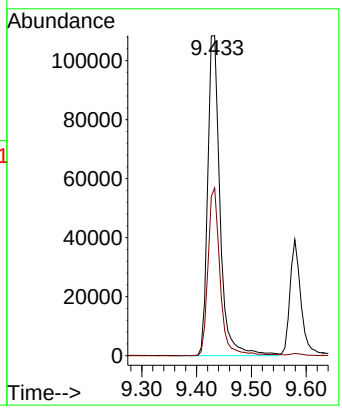




#59
2-Hexanone
Concen: 126.428 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 16876

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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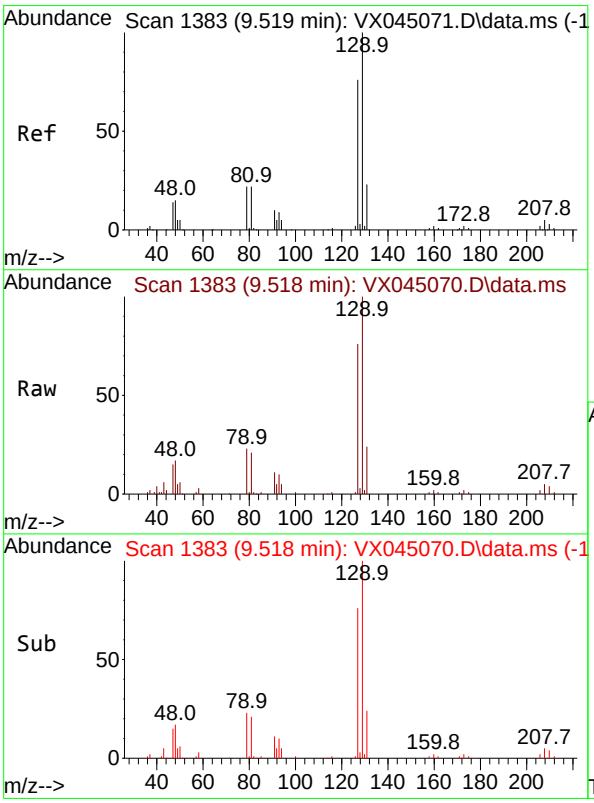
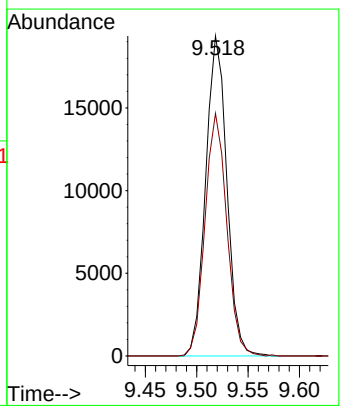
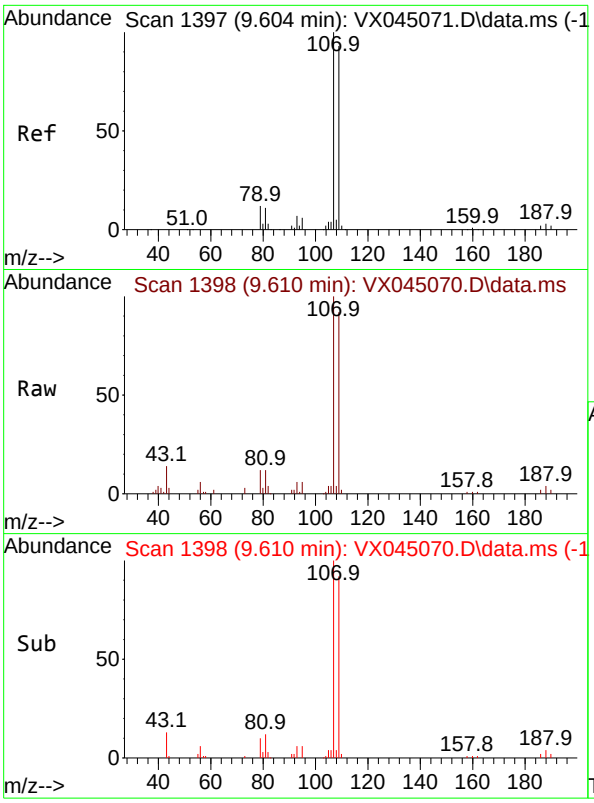


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5





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

Tgt Ion:107 Resp: 2631

Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1

Instrument :
MSVOA_X
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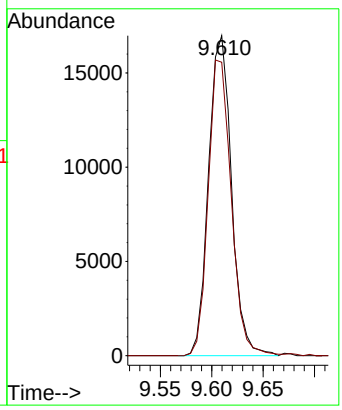
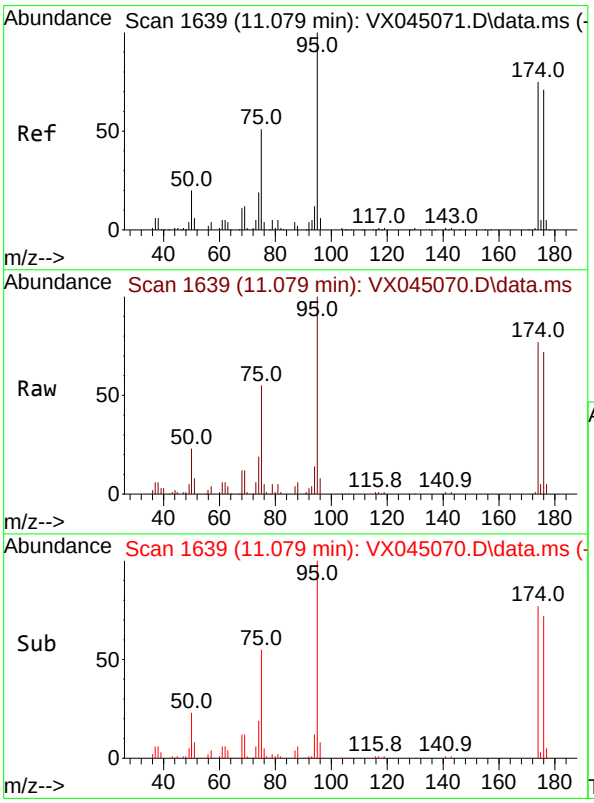
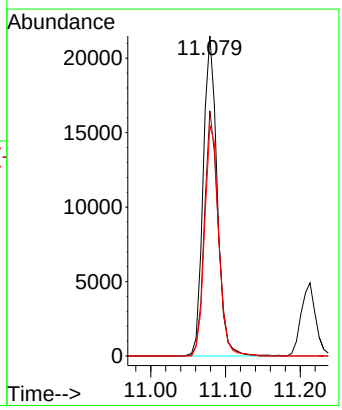


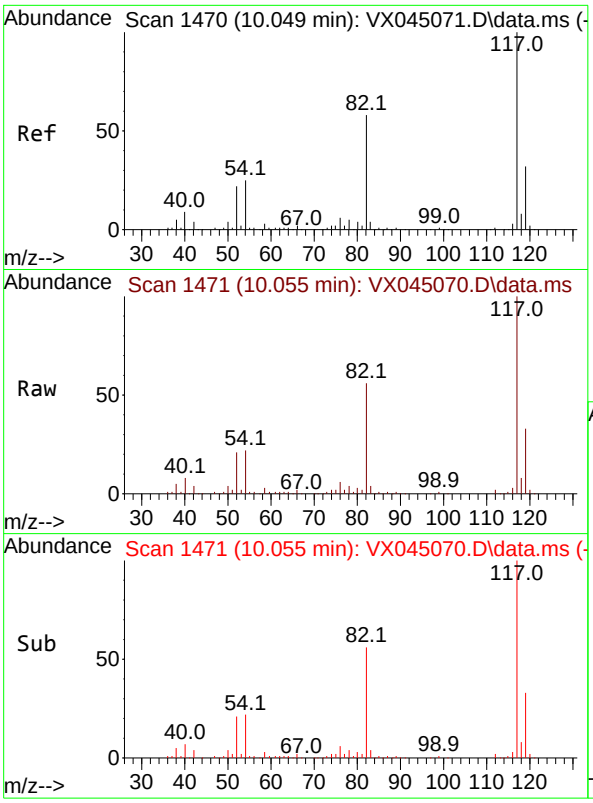


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 95 Resp: 27856

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	148.2
176	72.8	0.0	141.4

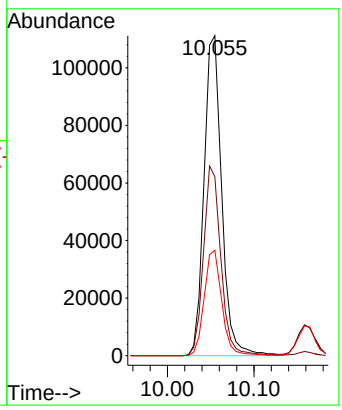




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15771

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



Instrument :
MSVOA_X
ClientSampleId :
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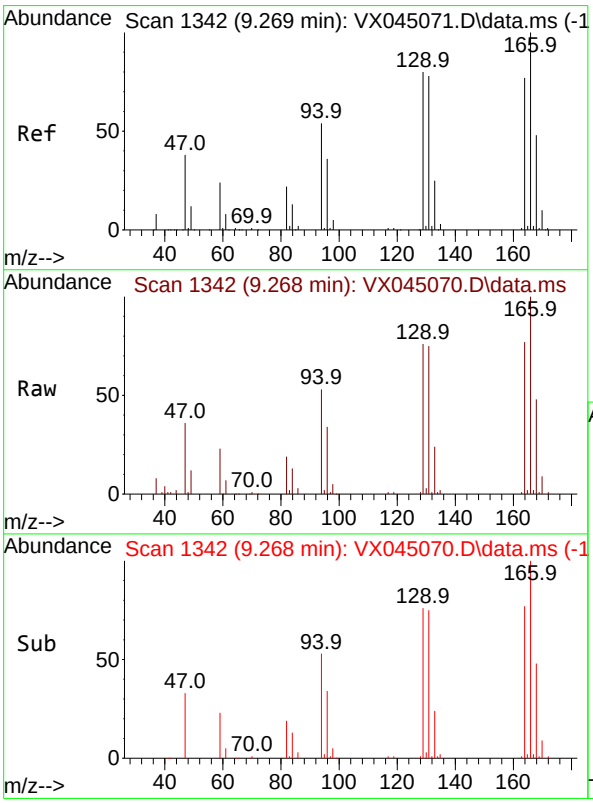
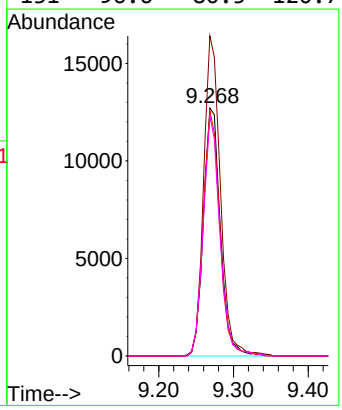
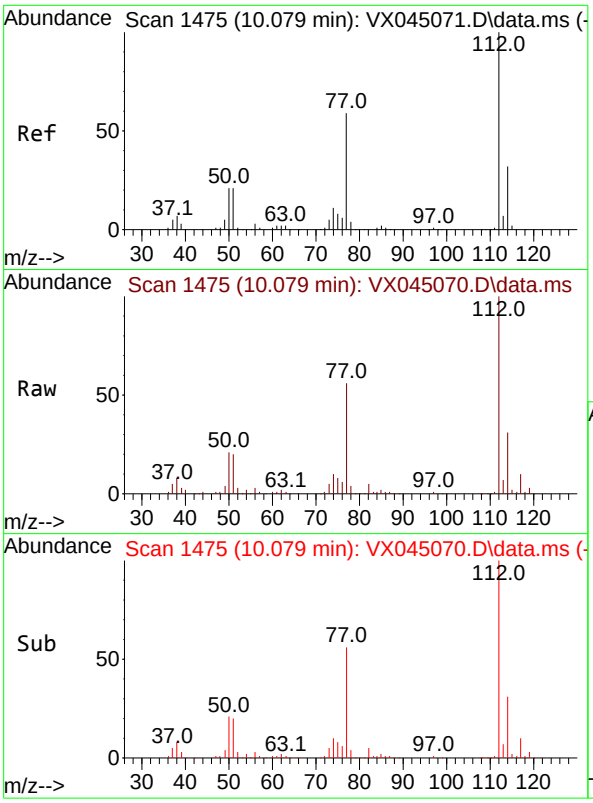


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:164 Resp: 20140

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	98.7	82.7	124.1
131	96.6	80.5	120.7

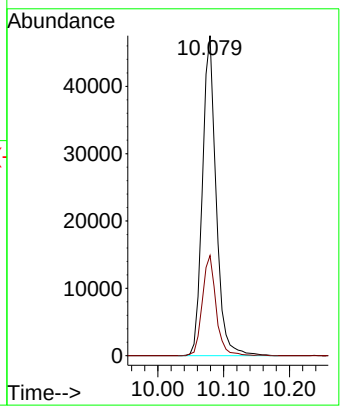




#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:112 Resp: 6877

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0



Instrument :
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ClientSampleId :
VSTDICC020

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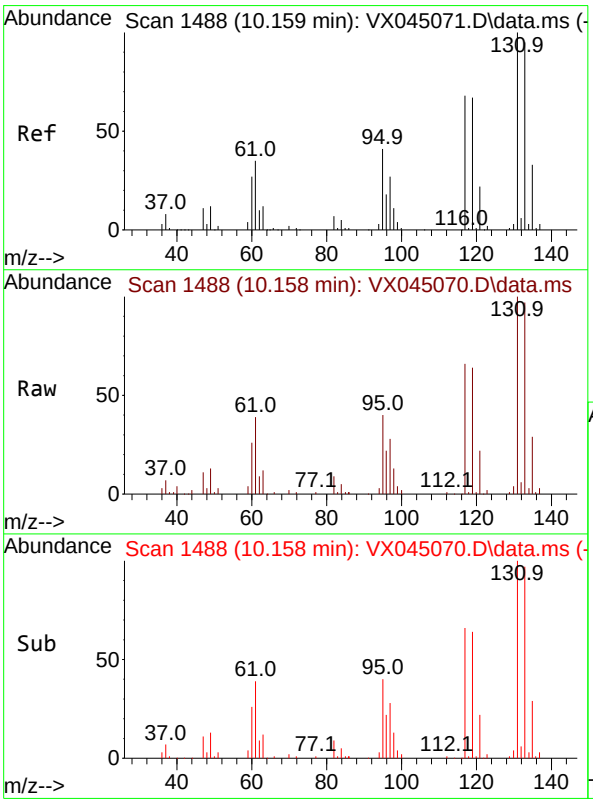
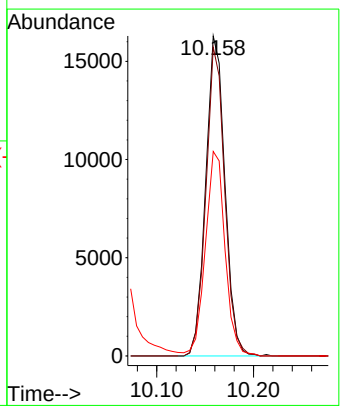
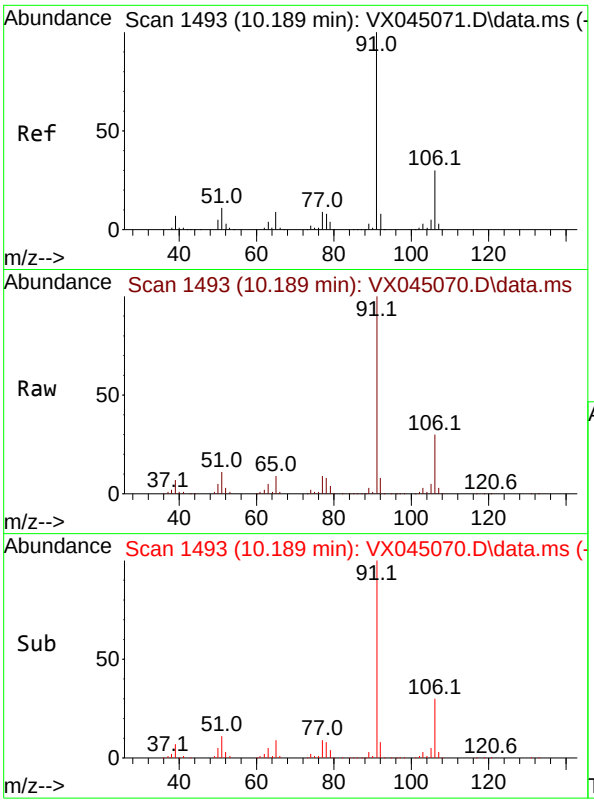


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:131 Resp: 22508

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.6	145.9
119	65.4	33.9	101.7

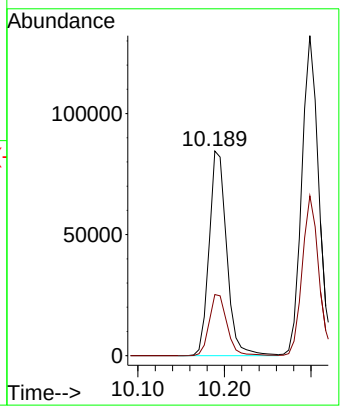




#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 11916

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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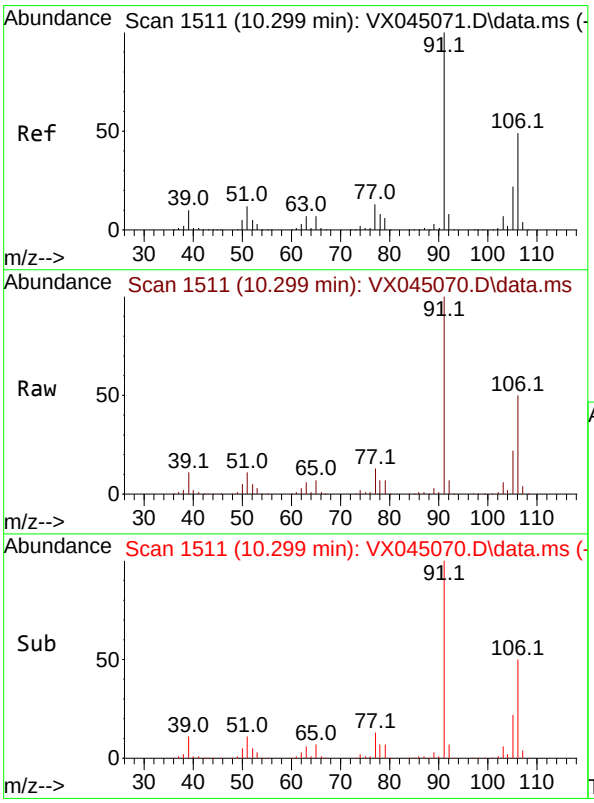
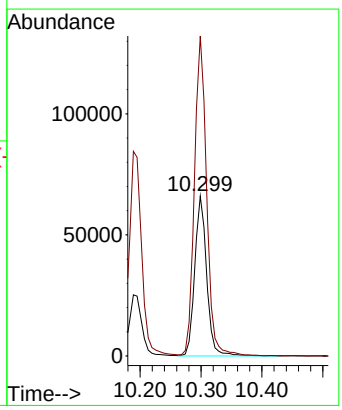
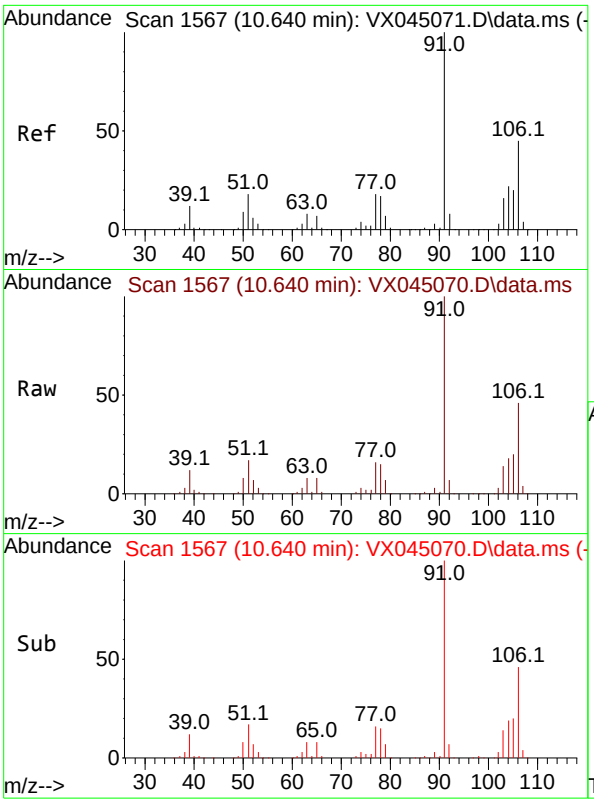


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0

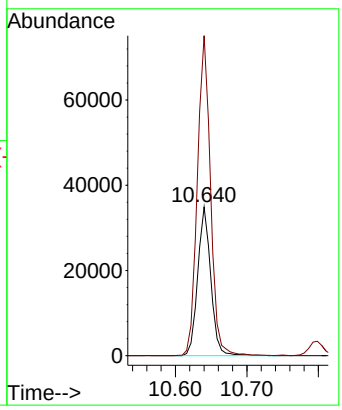




#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 4428

Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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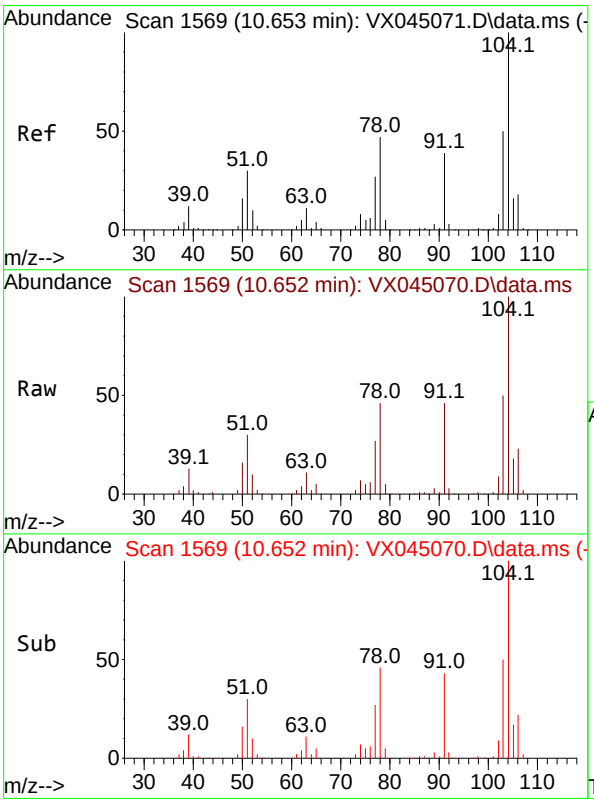
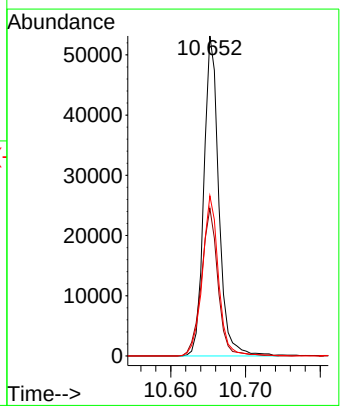
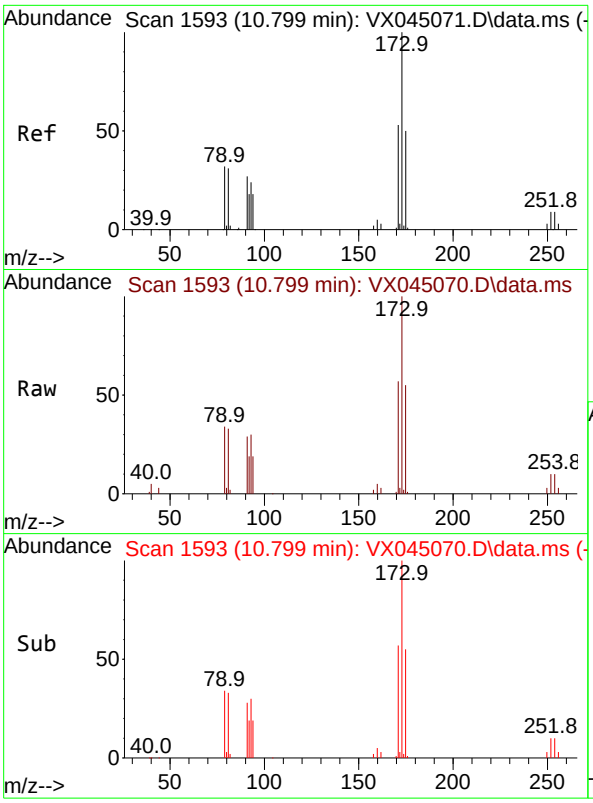


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:104 Resp: 73832

Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.2	63.4
103	54.1	43.8	65.8

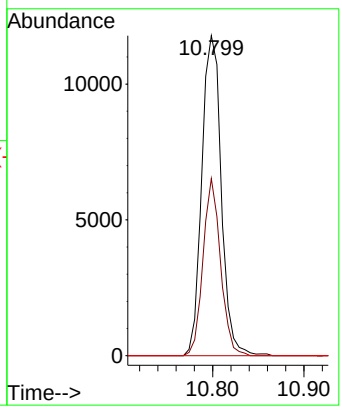




#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:173 Resp: 1740

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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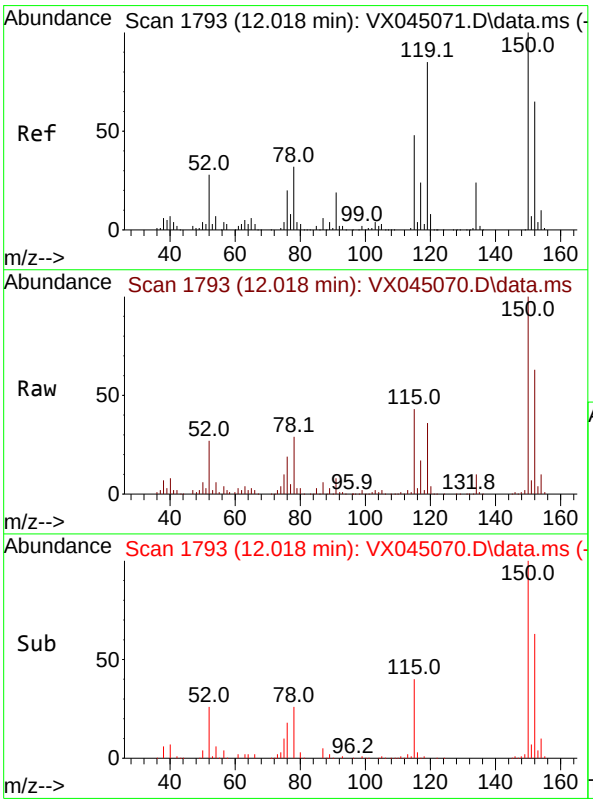
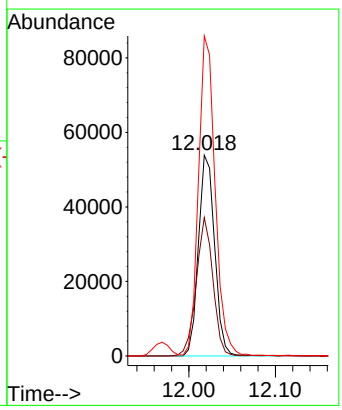
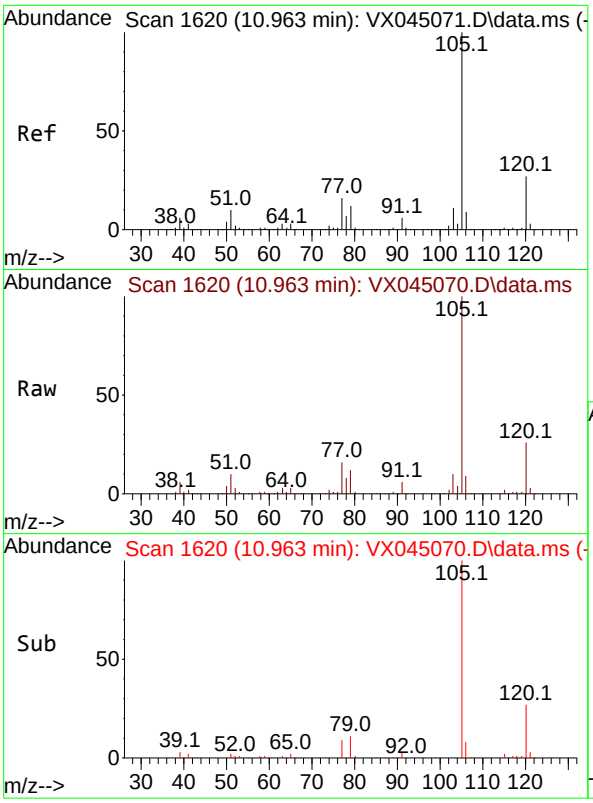


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:152 Resp: 70072

Ion	Ratio	Lower	Upper
152	100		
115	70.9	44.2	132.6
150	163.4	0.0	349.0

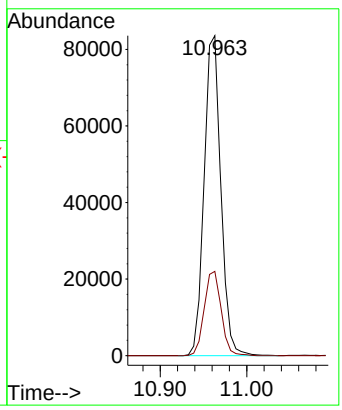




#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 11209

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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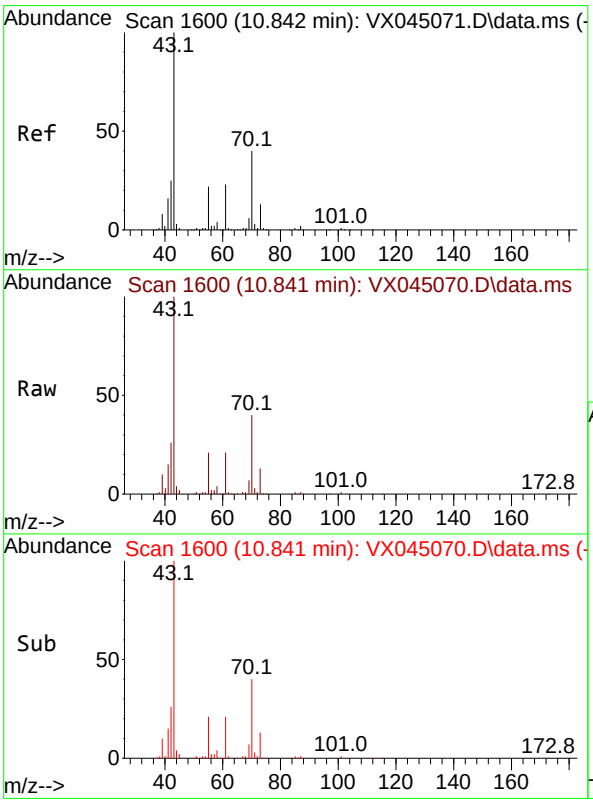
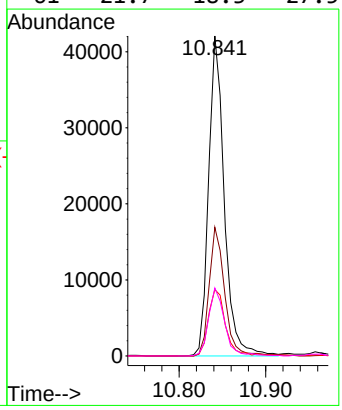
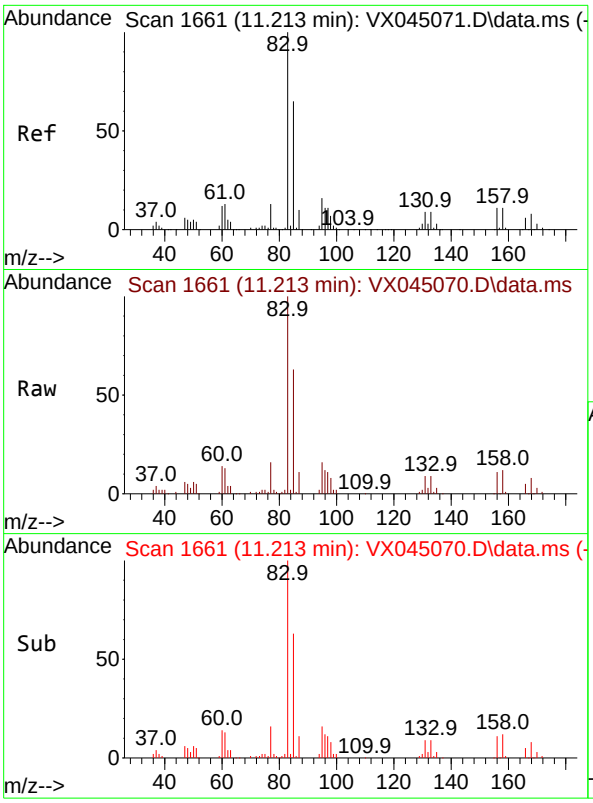


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 52972

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.0	18.3	27.5
61	21.7	18.3	27.5

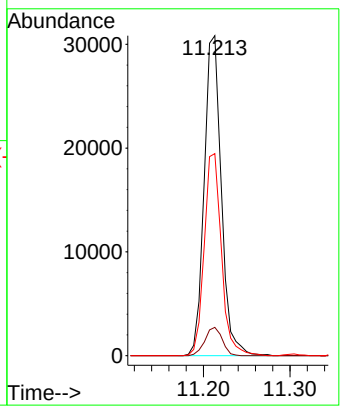




#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 4241

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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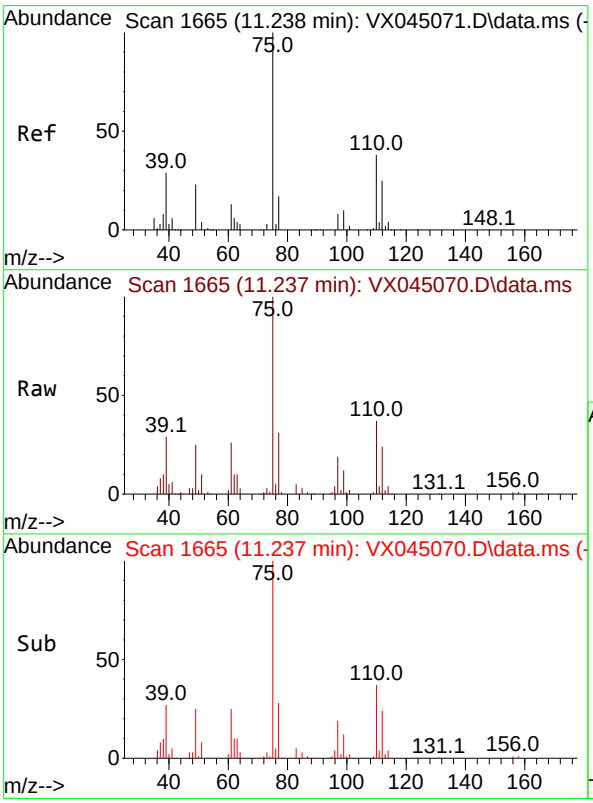
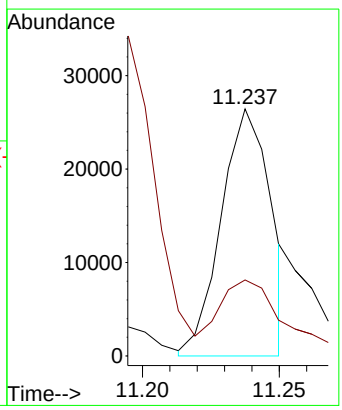
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

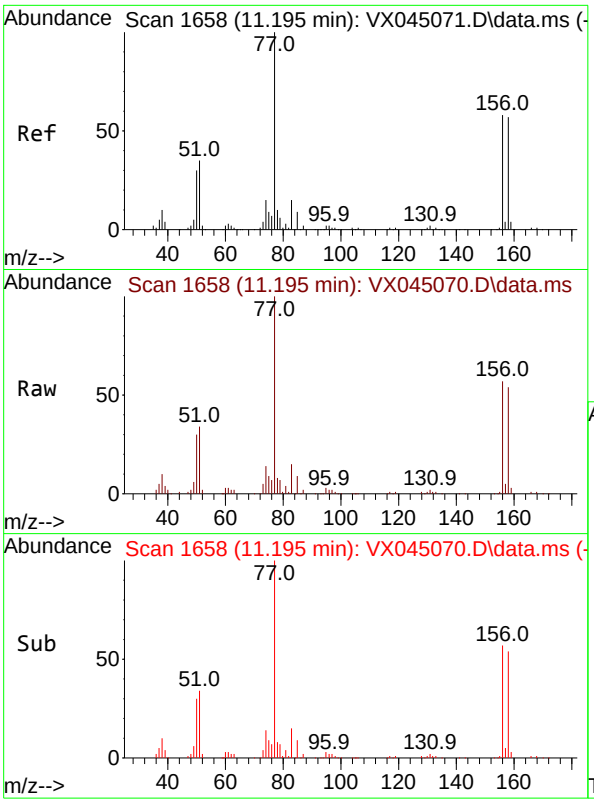


#76
1,2,3-Trichloropropane
Concen: 21.394 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 33440

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1

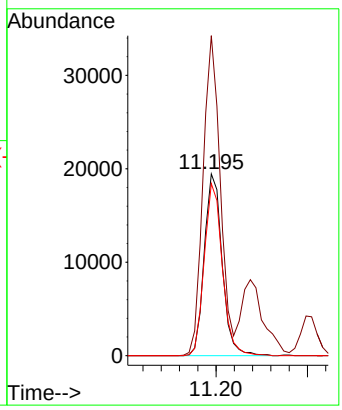




#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:156 Resp: 2631

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 02/28/2025
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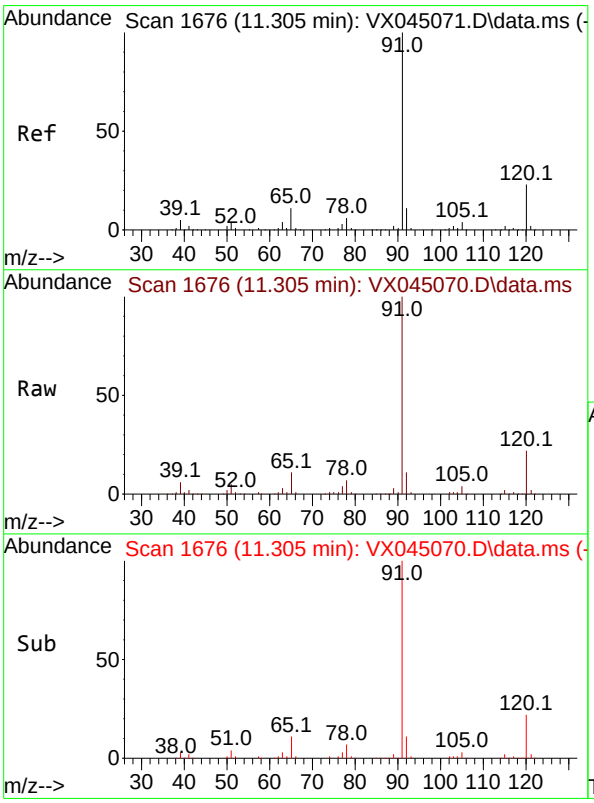
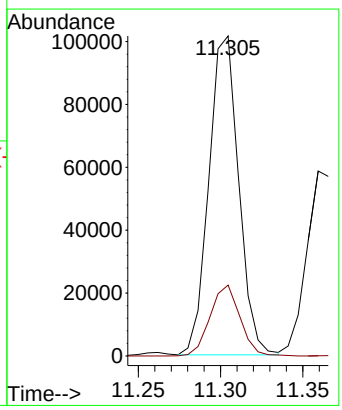
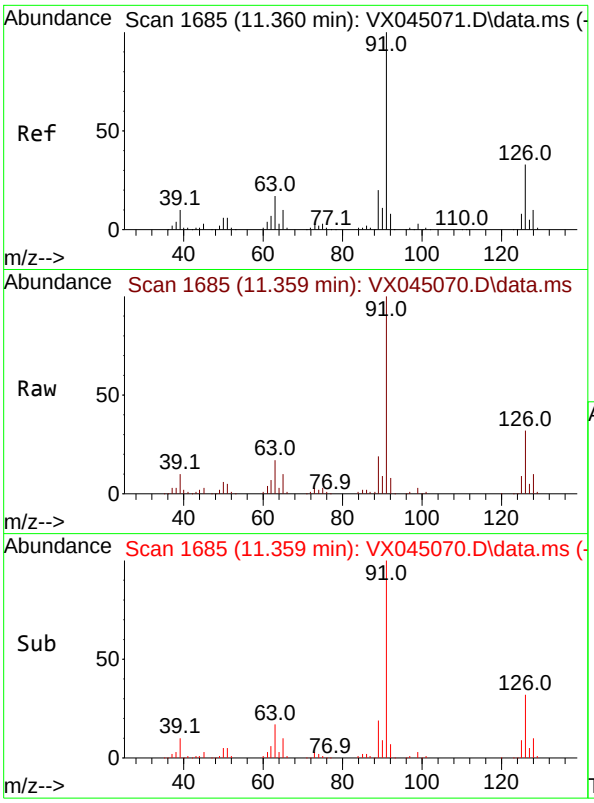


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 128284

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6

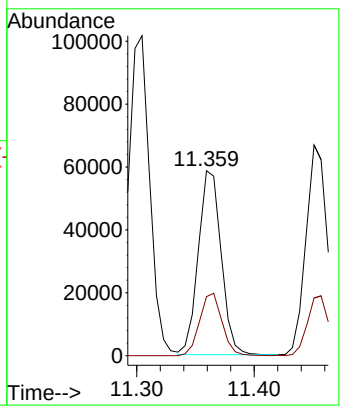




#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 7927

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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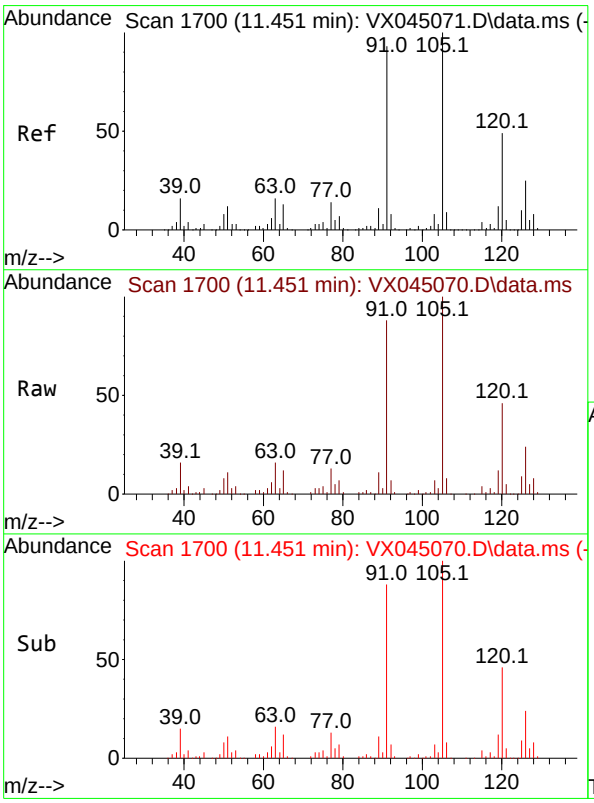
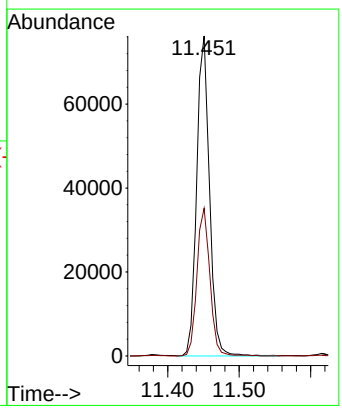
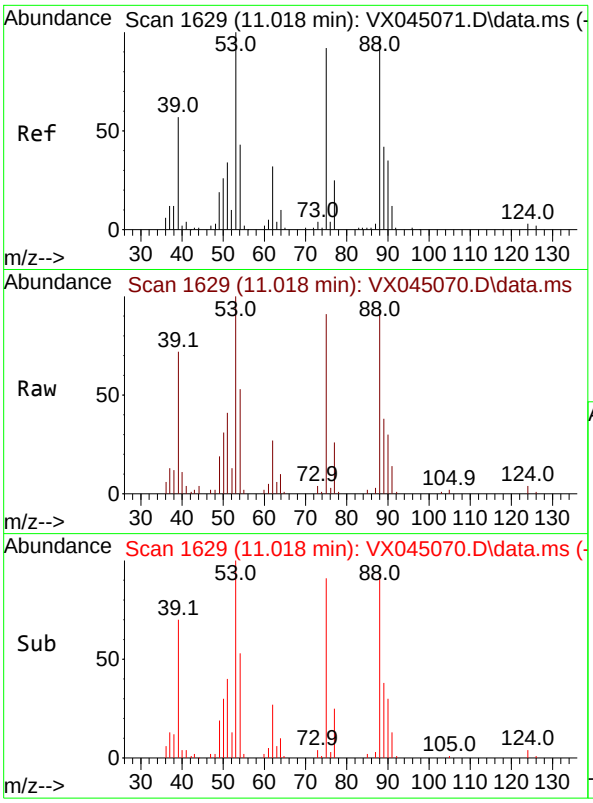


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94545

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 15.196 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 875

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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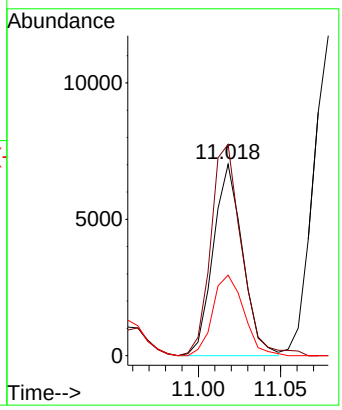
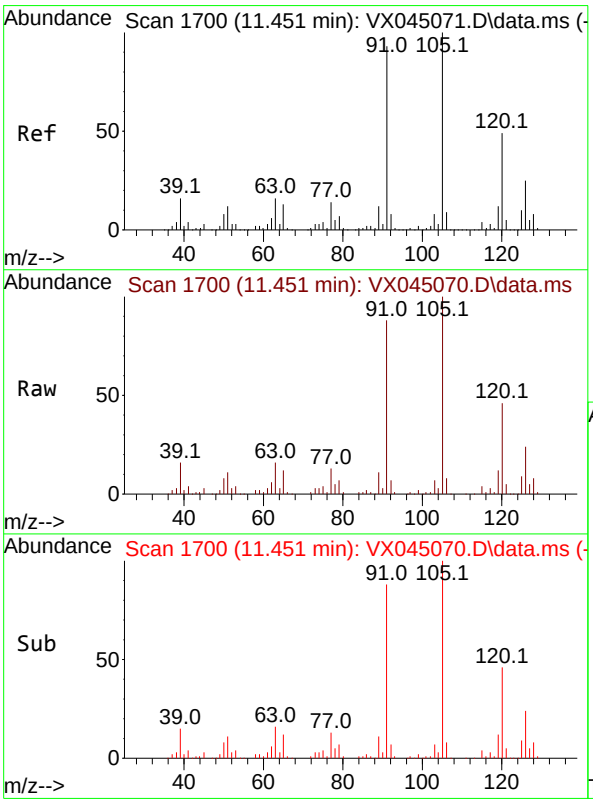
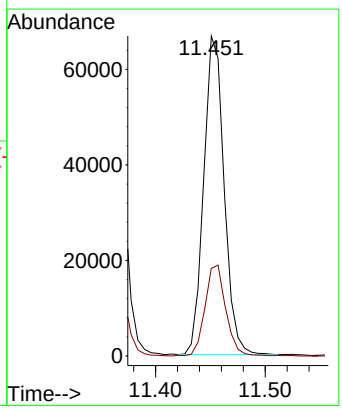


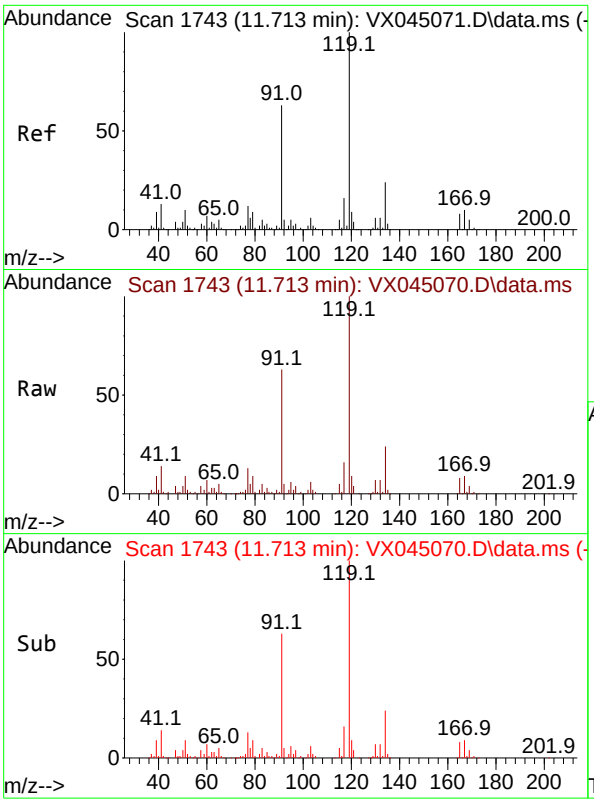


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4

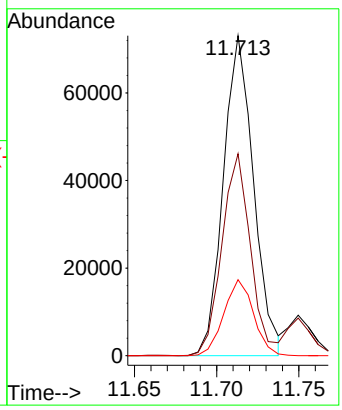




#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 9367

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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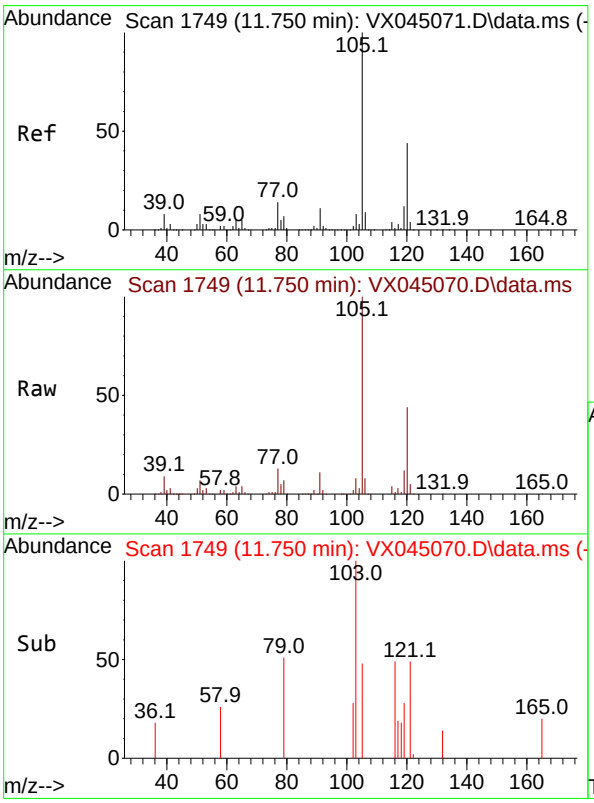
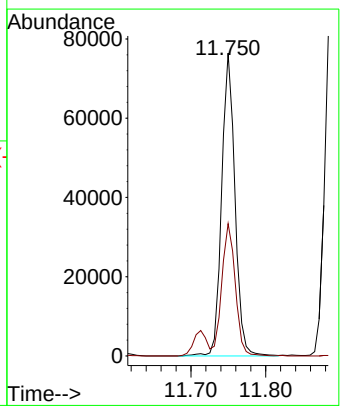
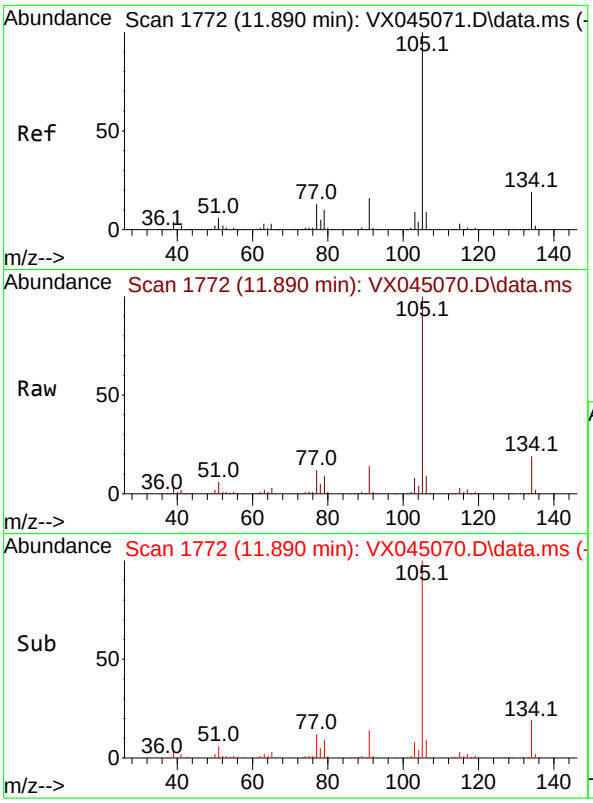


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94734

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1





#85
sec-Butylbenzene
Concen: 20.160 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 11595

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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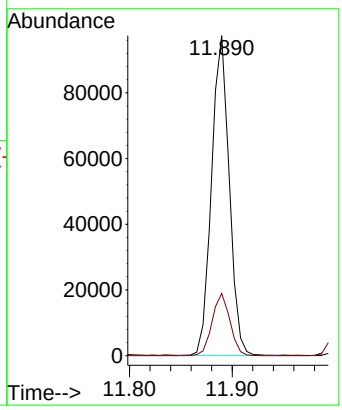
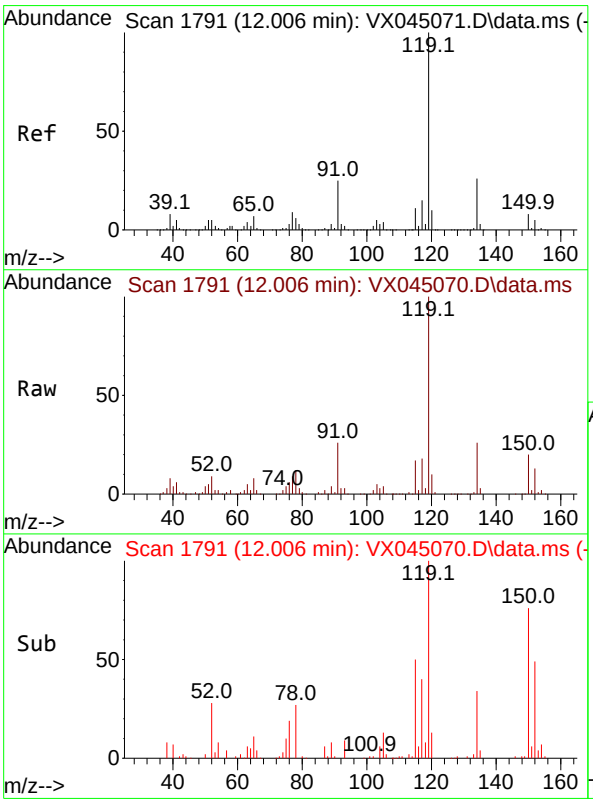
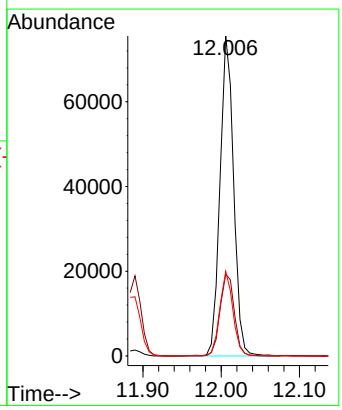


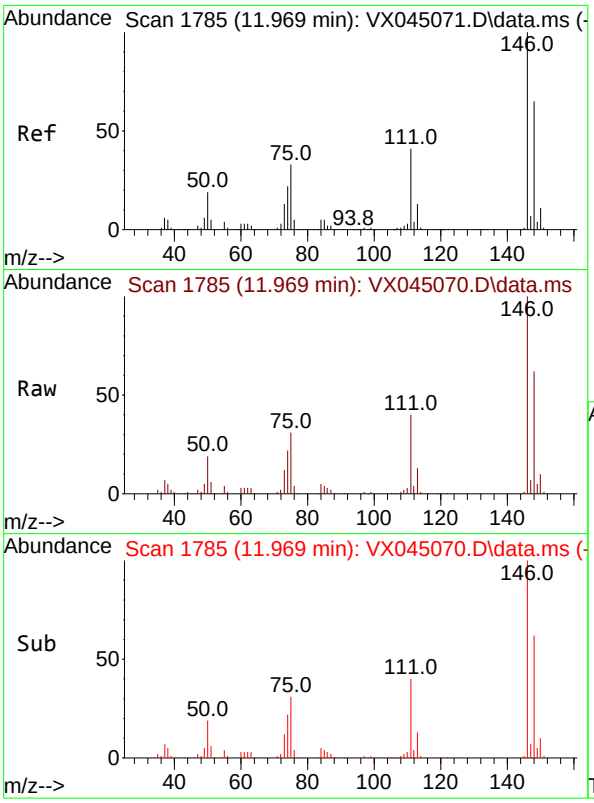


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 91554

Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	25.6	12.7	38.0

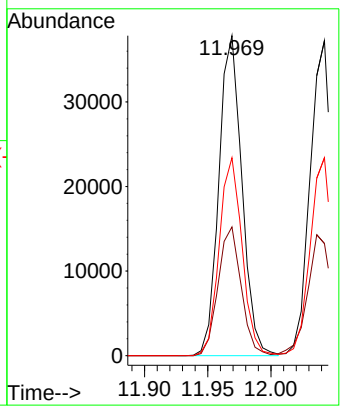




#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4793

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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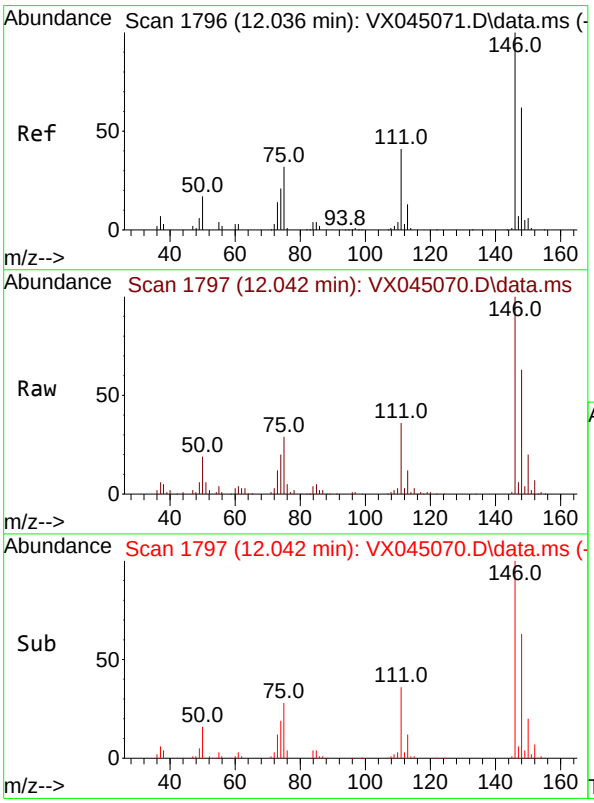
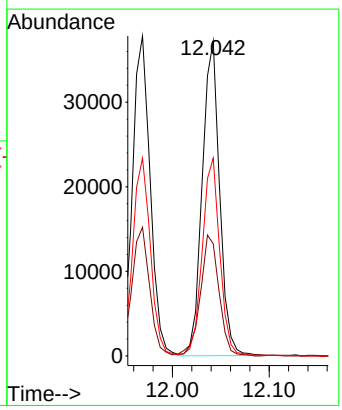
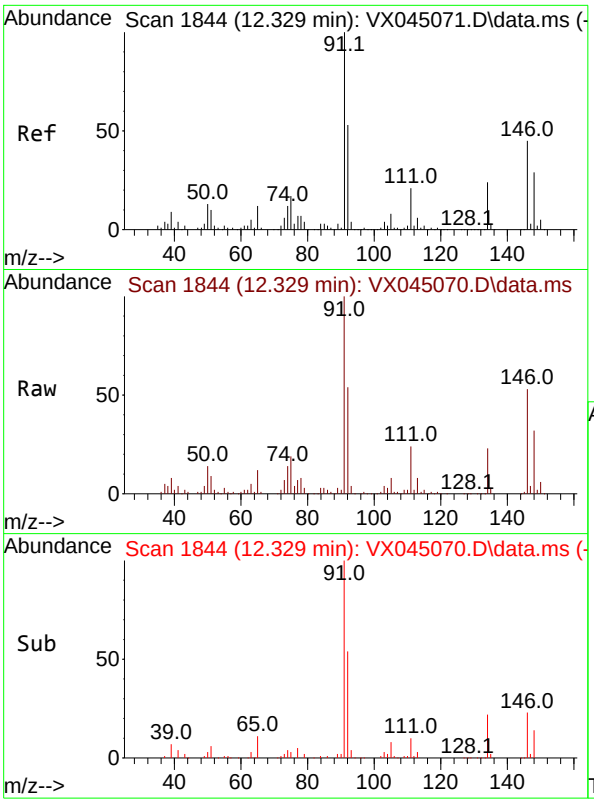


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 46657

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	63.8	31.9	95.9





#89
n-Butylbenzene
Concen: 19.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 7813

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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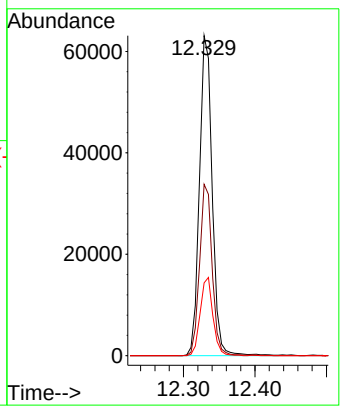
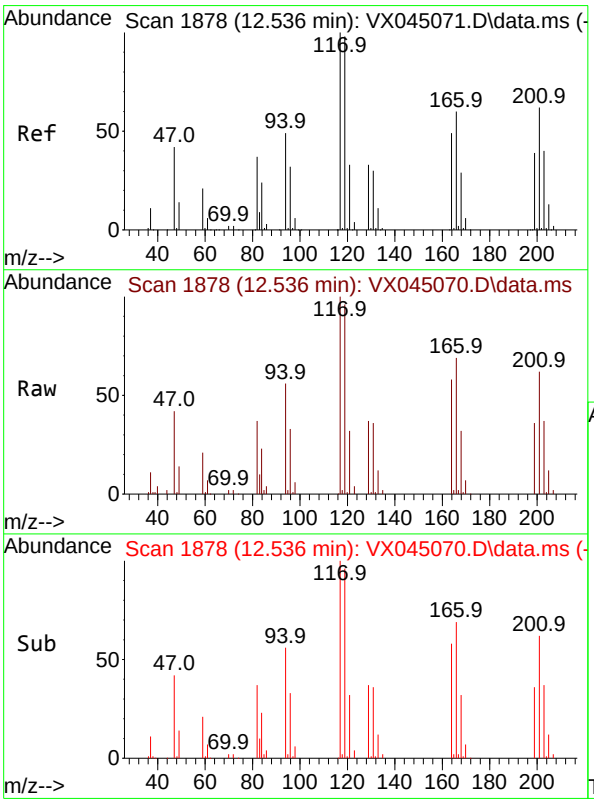
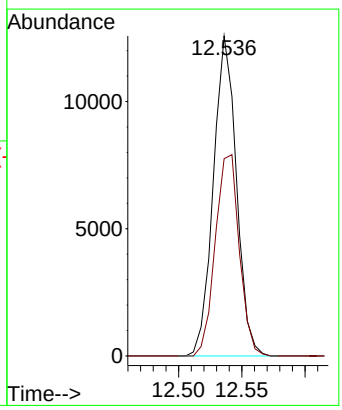


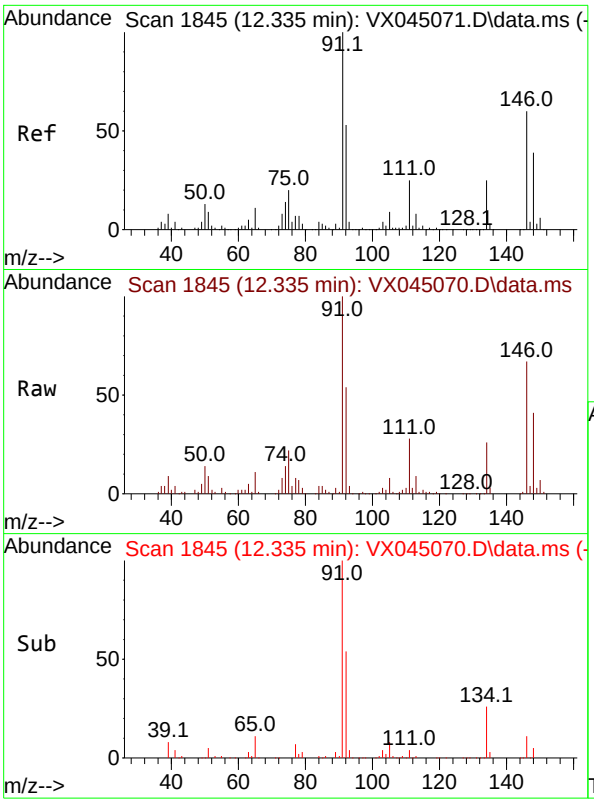


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9

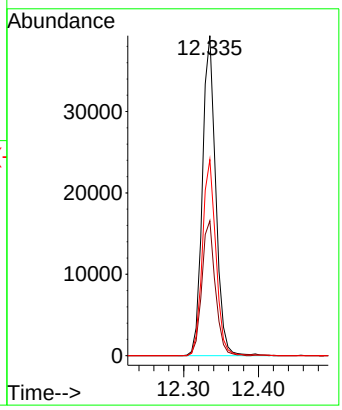




#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4863

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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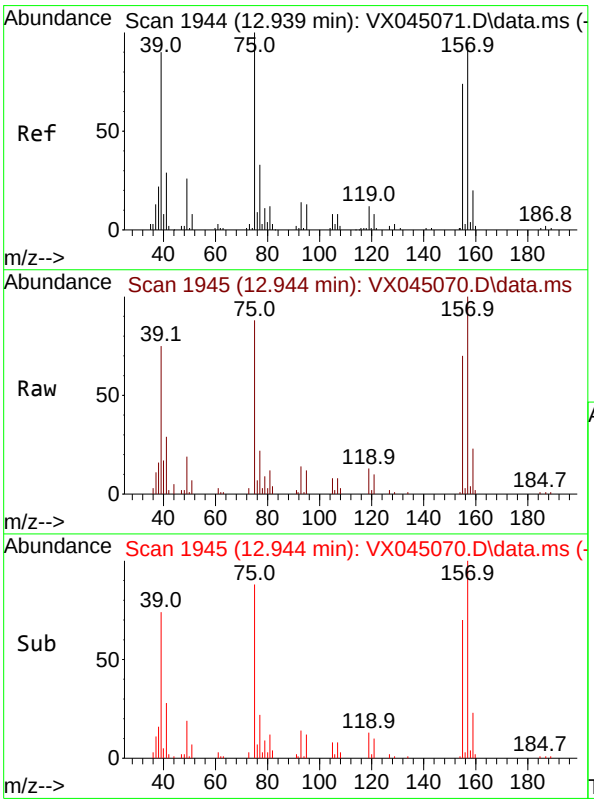
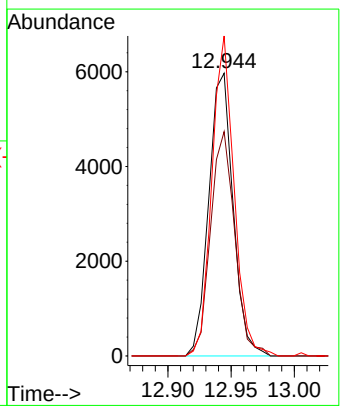
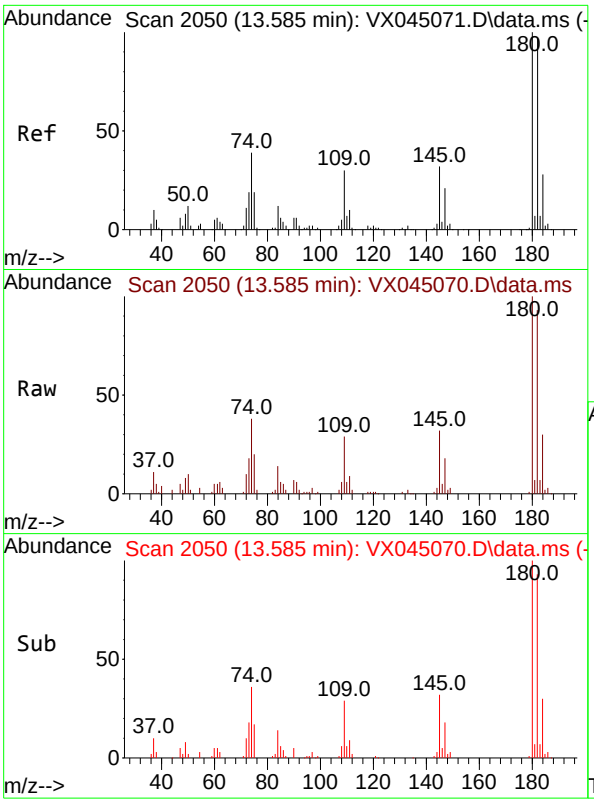


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 7987

Ion	Ratio	Lower	Upper
75	100		
155	78.7	39.6	118.7
157	103.3	51.1	153.4

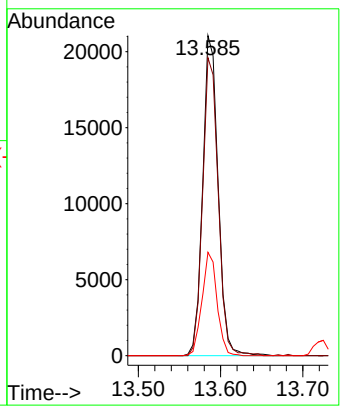




#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 2742

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	31.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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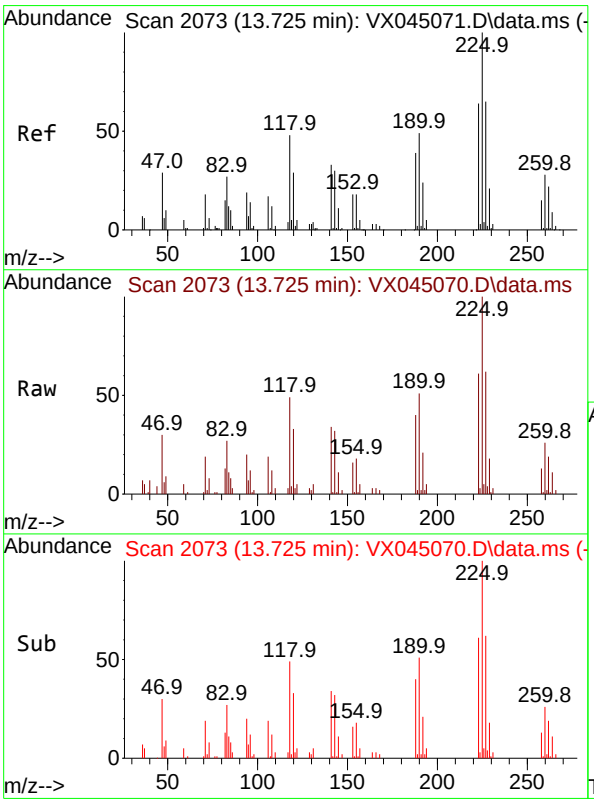
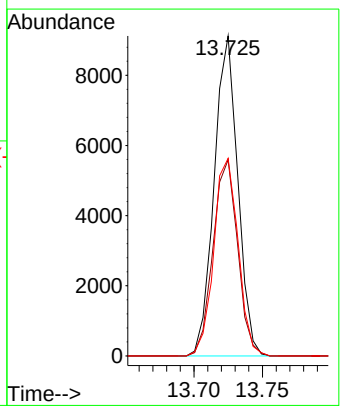
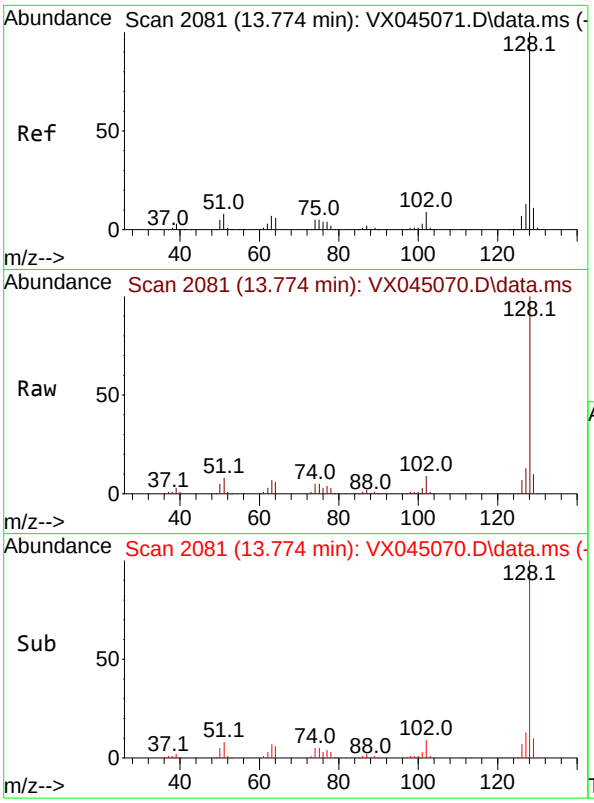


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:225 Resp: 10934

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.7	31.4	94.0

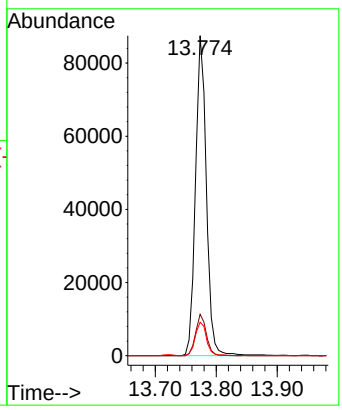




#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:128 Resp: 10835

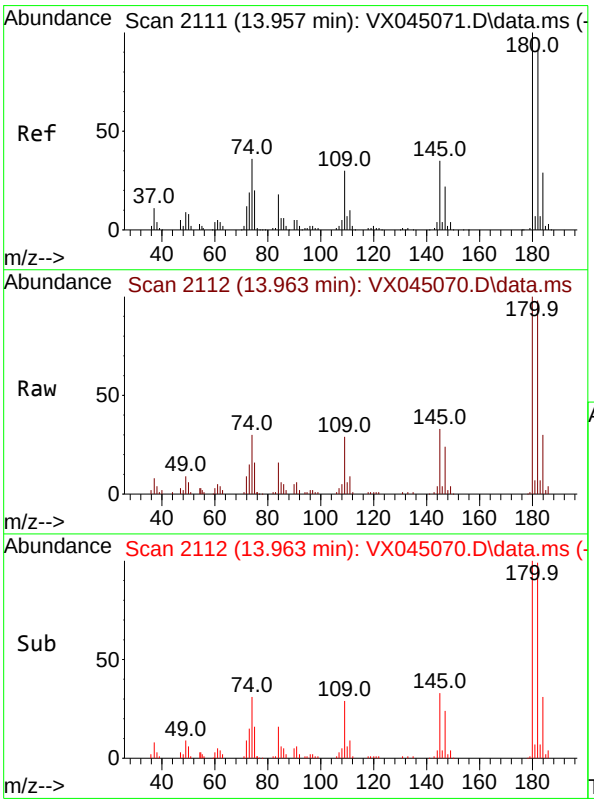
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

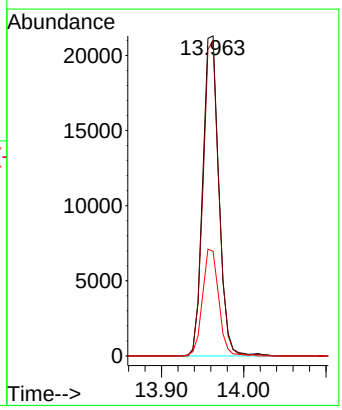
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 28937

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	33.7	17.0	50.9



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	103235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78159	51.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.385	113	61323	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.647	98	225493	49.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	49.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64743	45.502	ug/l	100
3) Chloromethane	1.307	50	77729	44.894	ug/l	100
4) Vinyl Chloride	1.374	62	78524	46.434	ug/l	100
5) Bromomethane	1.593	94	30169	57.066	ug/l	100
6) Chloroethane	1.660	64	38461	59.750	ug/l	100
7) Trichlorofluoromethane	1.868	101	108411	50.047	ug/l	100
8) Diethyl Ether	2.136	74	40001	50.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61312	47.399	ug/l	100
10) Methyl Iodide	2.441	142	79357	47.854	ug/l	100
11) Tert butyl alcohol	2.983	59	69139	247.496	ug/l	100
12) 1,1-Dichloroethene	2.307	96	64327	48.434	ug/l	100
13) Acrolein	2.233	56	89603	296.189	ug/l	100
14) Allyl chloride	2.654	41	114313	47.875	ug/l	100
15) Acrylonitrile	3.062	53	211455	278.519	ug/l	100
16) Acetone	2.386	43	181429	289.130	ug/l	100
17) Carbon Disulfide	2.502	76	171353	47.419	ug/l	100
18) Methyl Acetate	2.703	43	89508	47.359	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	215043	50.642	ug/l	100
20) Methylene Chloride	2.782	84	72081	48.500	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	65093	49.832	ug/l	100
22) Diisopropyl ether	3.764	45	236563	51.816	ug/l	100
23) Vinyl Acetate	3.721	43	1018631	271.773	ug/l	100
24) 1,1-Dichloroethane	3.605	63	128235	50.270	ug/l	100
25) 2-Butanone	4.562	43	298785	295.330	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61631	32.498	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78657	49.955	ug/l	100
28) Bromochloromethane	4.898	49	62299	50.643	ug/l	100
29) Tetrahydrofuran	5.007	42	192607	287.345	ug/l	100
30) Chloroform	5.087	83	128581	51.532	ug/l	100
31) Cyclohexane	5.464	56	114333	48.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	105671	50.306	ug/l	100
36) 1,1-Dichloropropene	5.690	75	87338	49.861	ug/l	100
37) Ethyl Acetate	4.715	43	112892	56.641	ug/l	100
38) Carbon Tetrachloride	5.672	117	87123	50.593	ug/l	100
39) Methylcyclohexane	7.373	83	108974	48.715	ug/l	100
40) Benzene	6.031	78	278802	50.925	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63454	59.598	ug/l		100
42) 1,2-Dichloroethane	6.080	62	98340	55.428	ug/l		100
43) Isopropyl Acetate	6.342	43	173045	54.544	ug/l		100
44) Trichloroethene	7.123	130	63513	50.756	ug/l		100
45) 1,2-Dichloropropane	7.428	63	69128	50.808	ug/l		100
46) Dibromomethane	7.580	93	50143	52.757	ug/l		100
47) Bromodichloromethane	7.818	83	97729	53.153	ug/l		100
48) Methyl methacrylate	7.690	41	86231	57.256	ug/l		100
49) 1,4-Dioxane	7.659	88	35053	1095.003	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	568737	292.570	ug/l		100
52) Toluene	8.714	92	167431	51.505	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87373	48.078	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	99713	49.079	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	66379	52.724	ug/l		100
56) Ethyl methacrylate	9.116	69	106157	52.724	ug/l		100
57) 1,3-Dichloropropane	9.305	76	115488	52.594	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	264555	267.612	ug/l		100
59) 2-Hexanone	9.427	43	416984	297.362	ug/l		100
60) Dibromochloromethane	9.519	129	71569	53.284	ug/l		100
61) 1,2-Dibromoethane	9.604	107	66312	52.217	ug/l		100
64) Tetrachloroethene	9.269	164	52531	51.021	ug/l		100
65) Chlorobenzene	10.079	112	176922	50.853	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57642	51.402	ug/l		100
67) Ethyl Benzene	10.189	91	316427	51.431	ug/l		100
68) m/p-Xylenes	10.299	106	234554	103.515	ug/l		100
69) o-Xylene	10.640	106	114440	50.341	ug/l		100
70) Styrene	10.653	104	191406	52.387	ug/l		100
71) Bromoform	10.799	173	44730	53.645	ug/l	#	100
73) Isopropylbenzene	10.963	105	294694	51.167	ug/l		100
74) N-amyl acetate	10.842	43	140869	53.881	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101089	50.945	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	81743m	51.421	ug/l		
77) Bromobenzene	11.195	156	66904	51.173	ug/l		100
78) n-propylbenzene	11.305	91	342399	51.546	ug/l		100
79) 2-Chlorotoluene	11.360	91	204484	50.154	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	241129	51.613	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24135	41.172	ug/l		100
82) 4-Chlorotoluene	11.451	91	230493	51.072	ug/l		100
83) tert-Butylbenzene	11.713	119	240510	50.895	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	240719	52.326	ug/l		100
85) sec-Butylbenzene	11.890	105	300393	51.353	ug/l		100
86) p-Isopropyltoluene	12.006	119	244031	51.964	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	118879	49.747	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	120217	49.694	ug/l		100
89) n-Butylbenzene	12.329	91	214685	52.006	ug/l		100
90) Hexachloroethane	12.536	117	43086	49.188	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	118896	50.557	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	56.123	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	71897	50.571	ug/l		100
94) Hexachlorobutadiene	13.725	225	27916	49.245	ug/l		100
95) Naphthalene	13.774	128	278086	53.700	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75482	52.406	ug/l		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

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

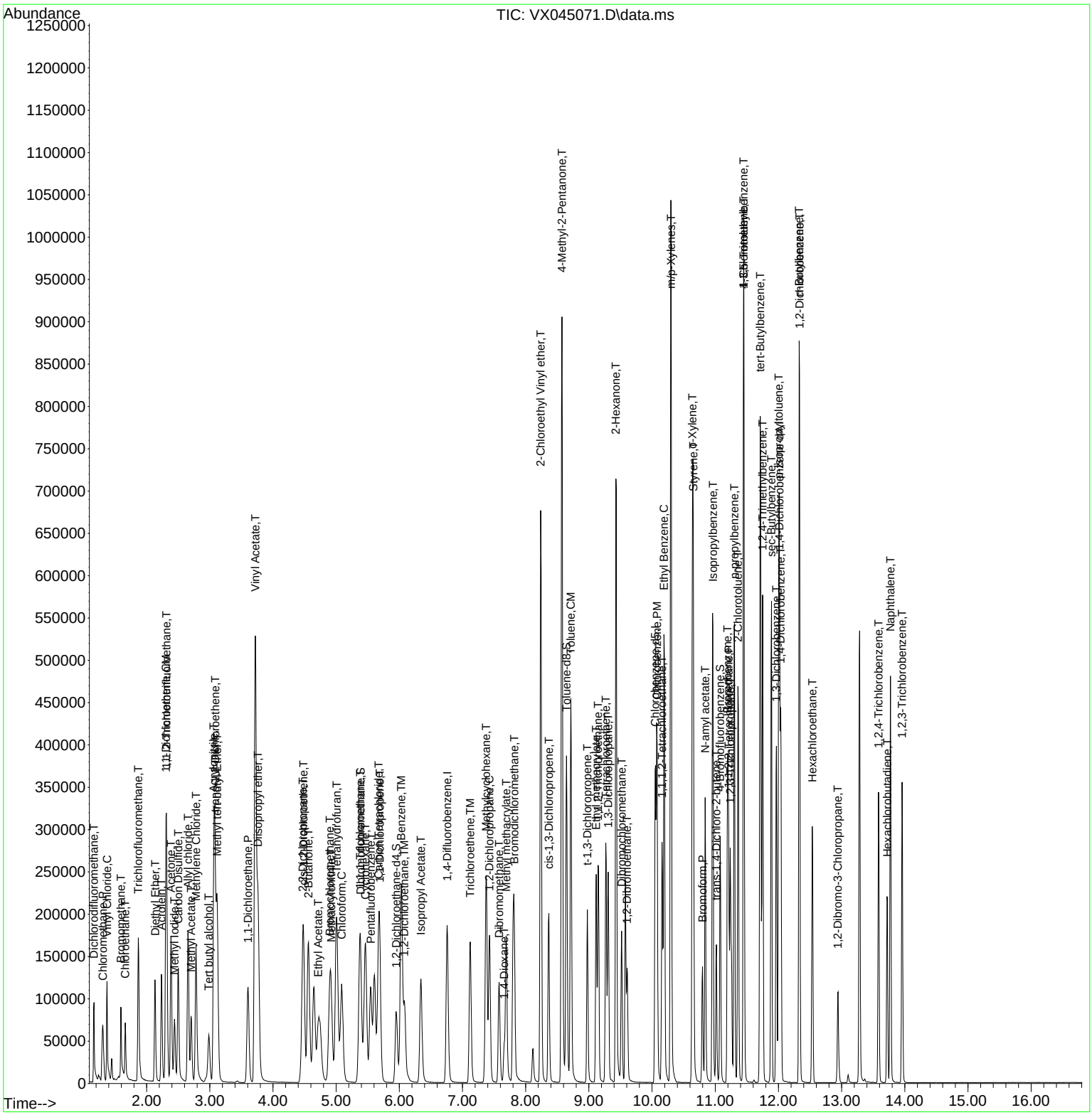
(#) = qualifier out of range (m) = manual integration (+) = signals summed

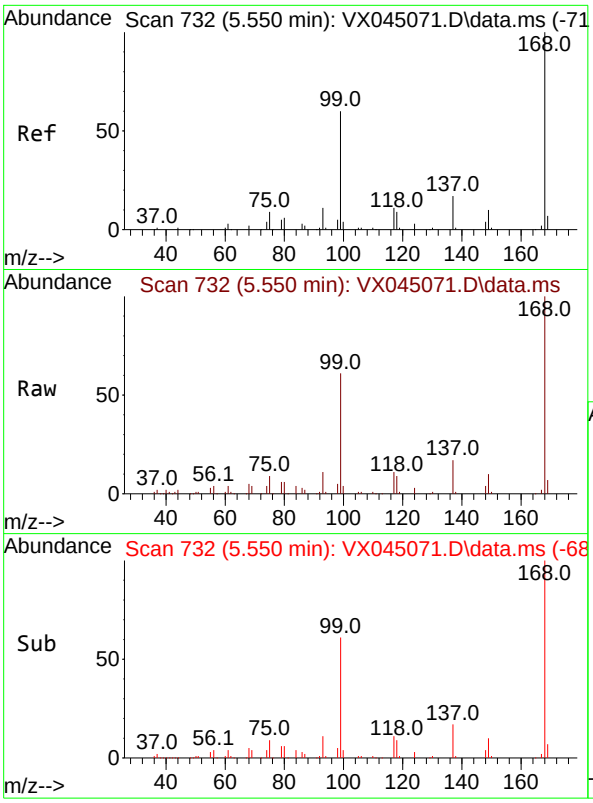
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

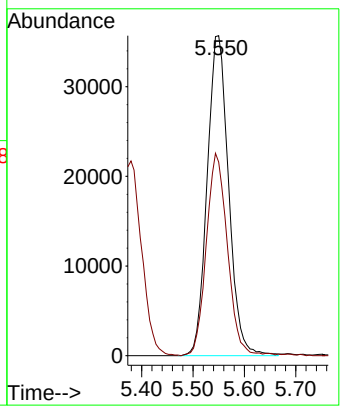




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:168 Resp: 10323

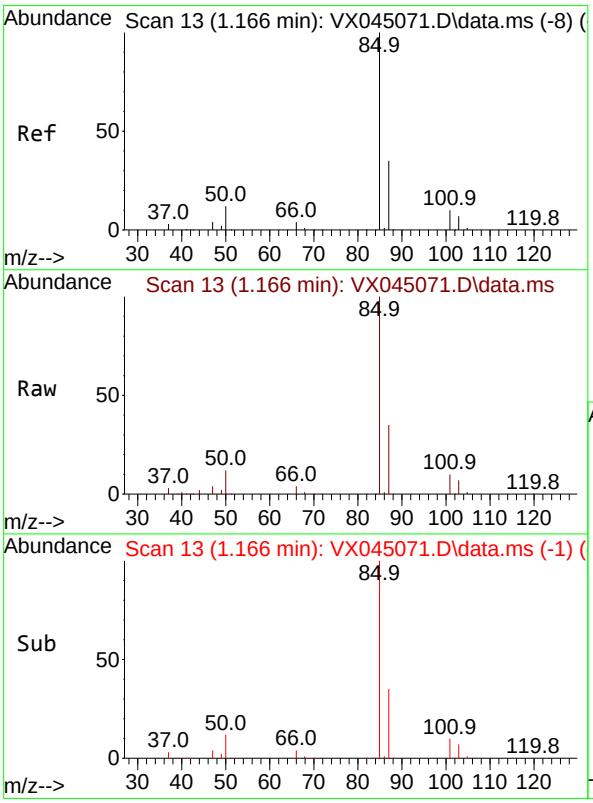
Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

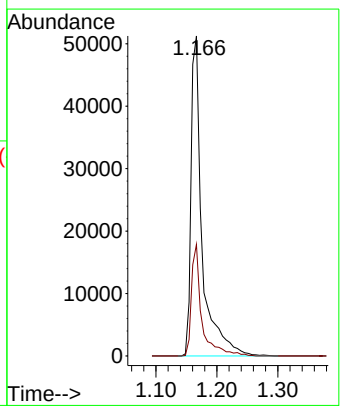
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

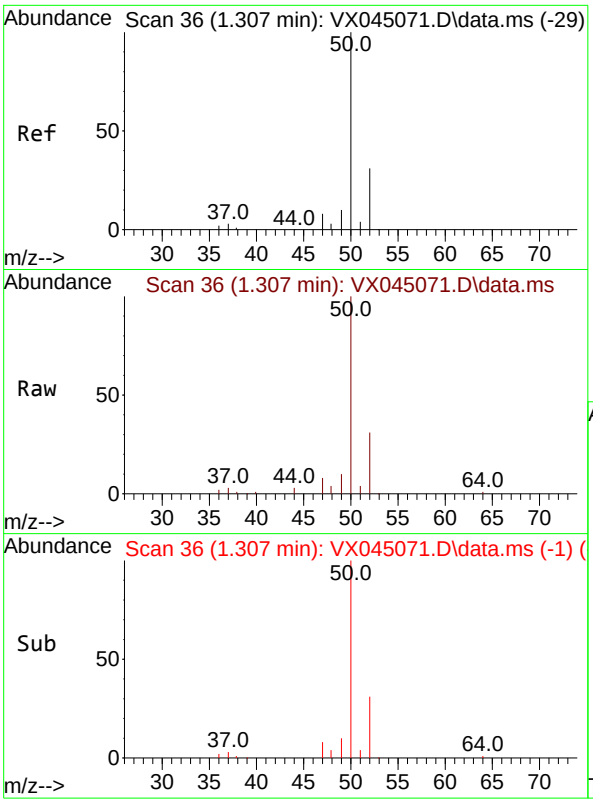


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3

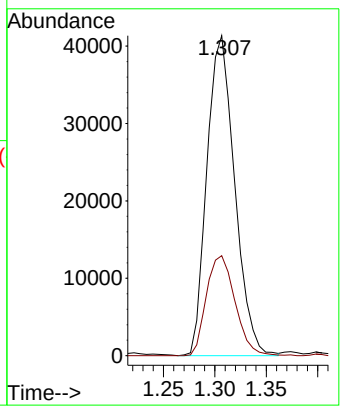




#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 50 Resp: 7772

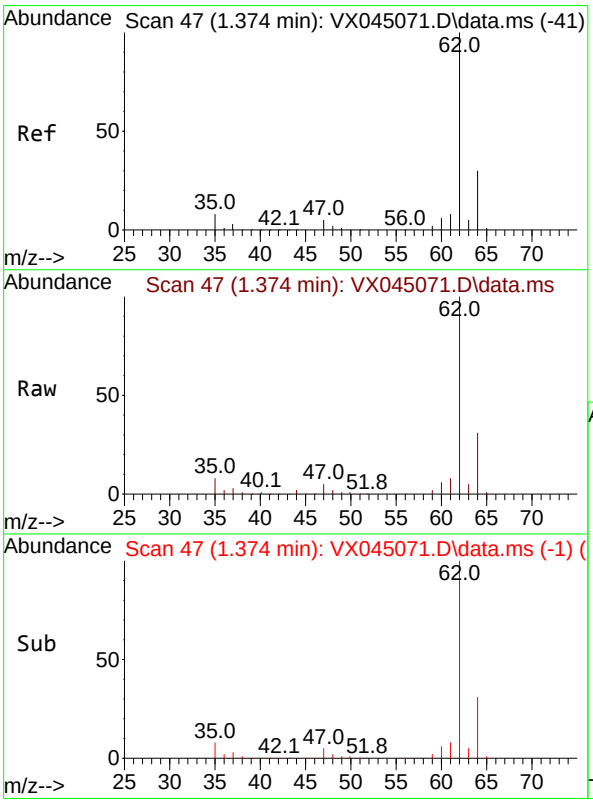
Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

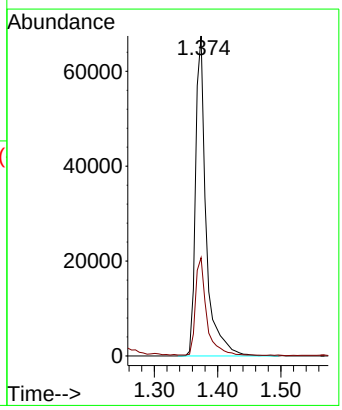
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

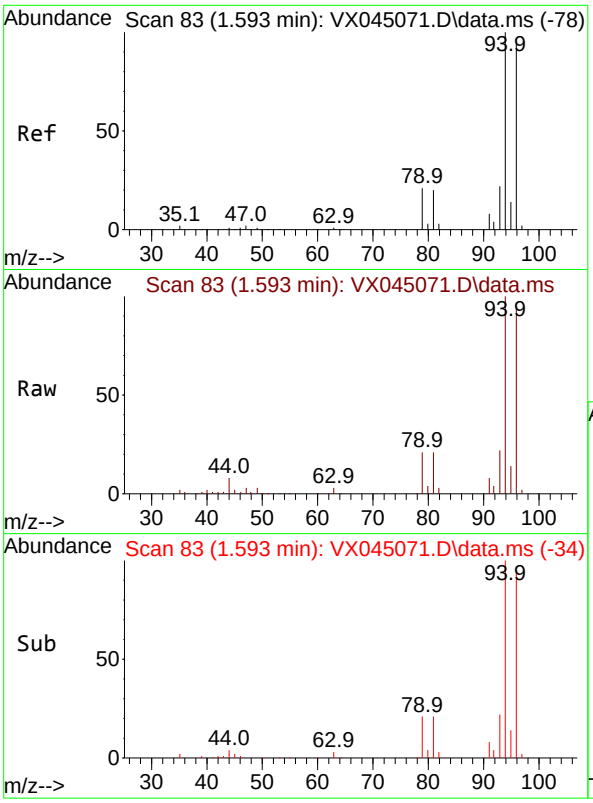


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5

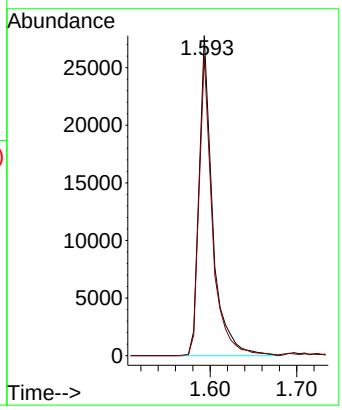




#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 94 Resp: 3016

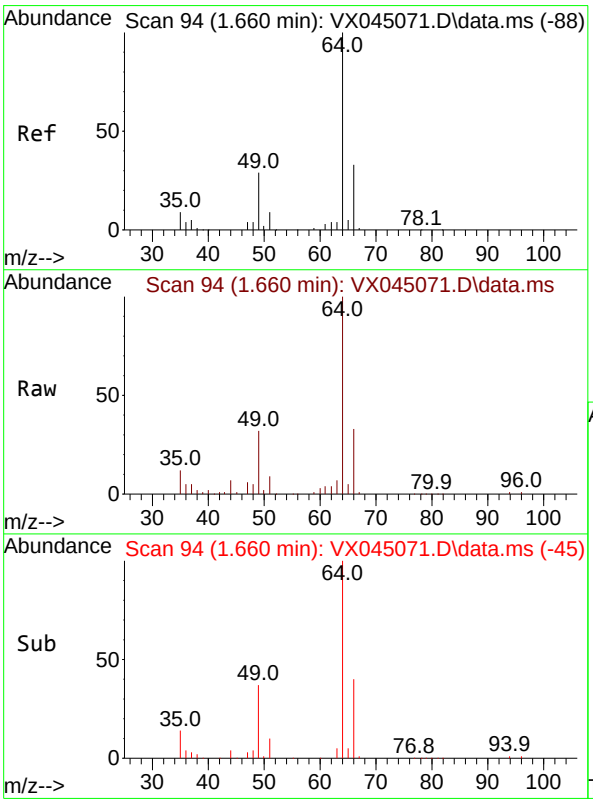
Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

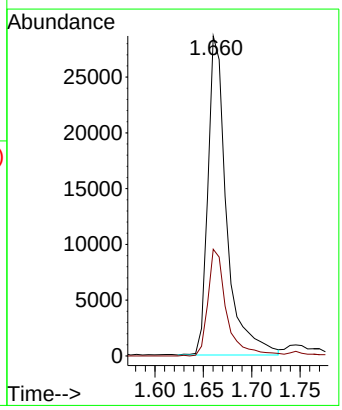
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

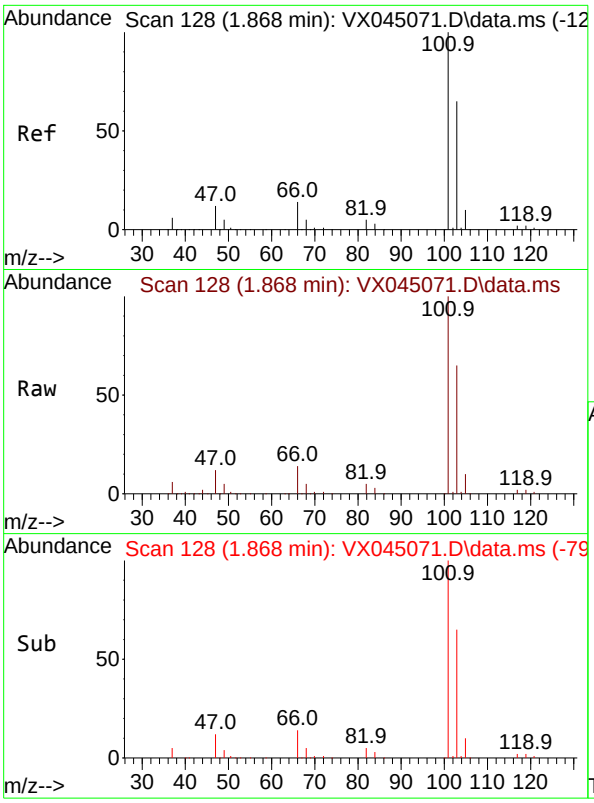


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 64 Resp: 38461

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1

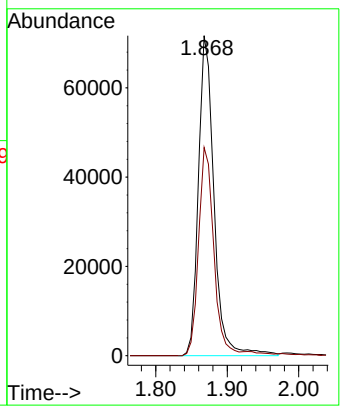




#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:101 Resp: 10841

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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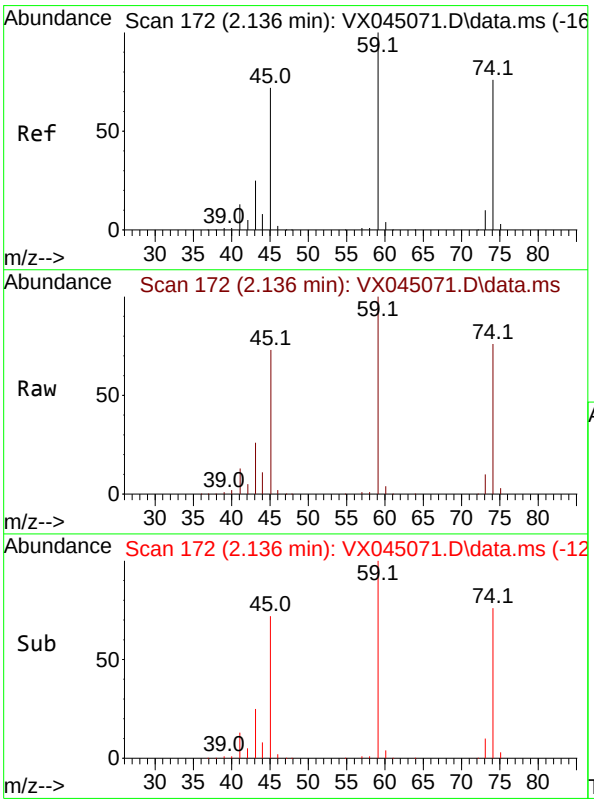
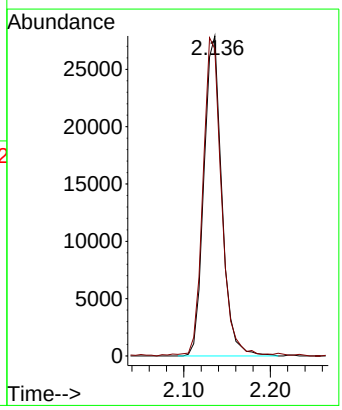
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

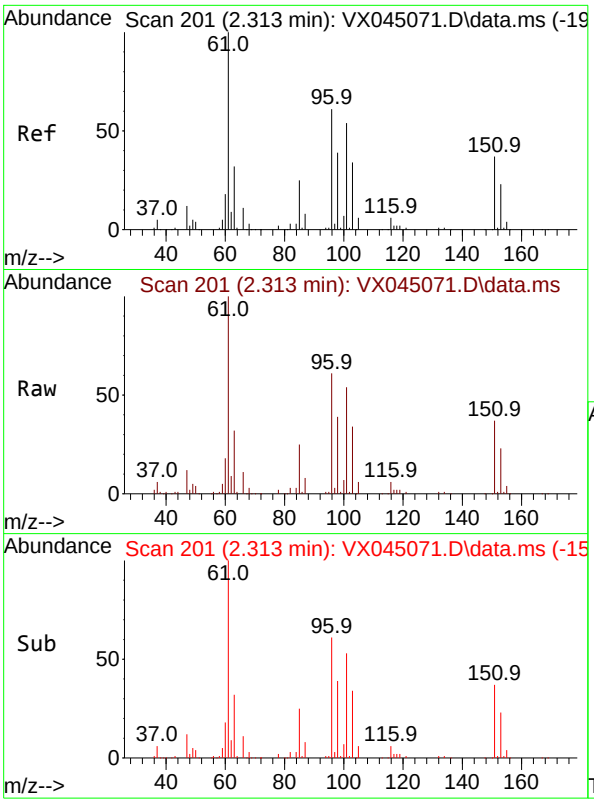


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 74 Resp: 40001

Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.399 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:101 Resp: 6131

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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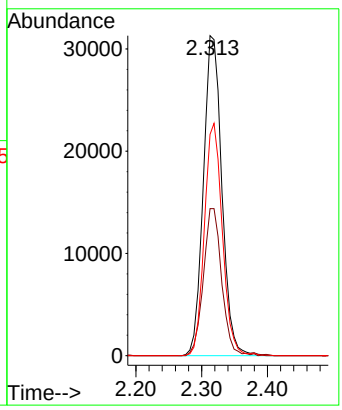
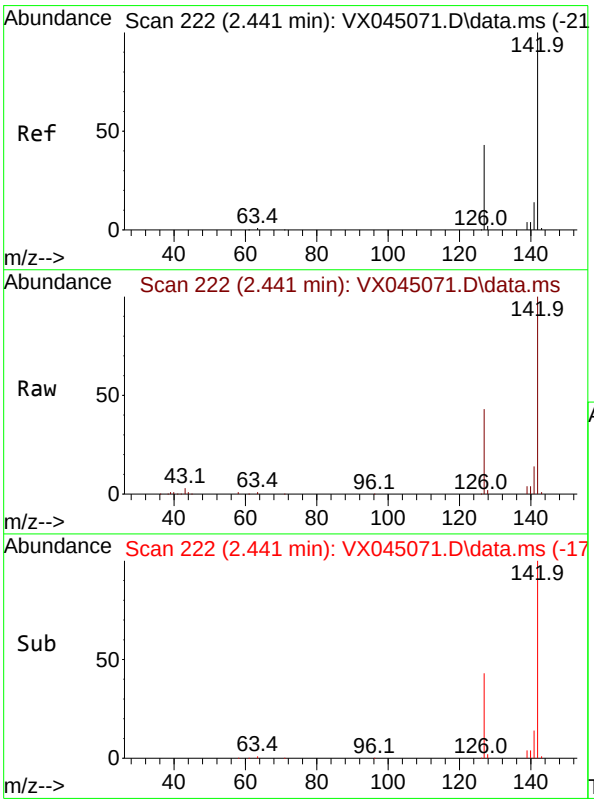
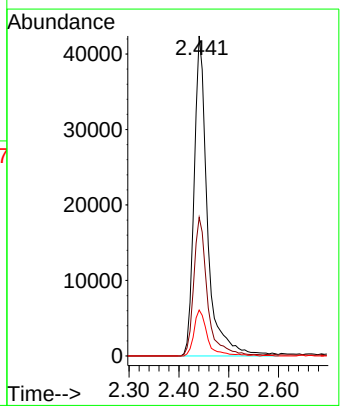


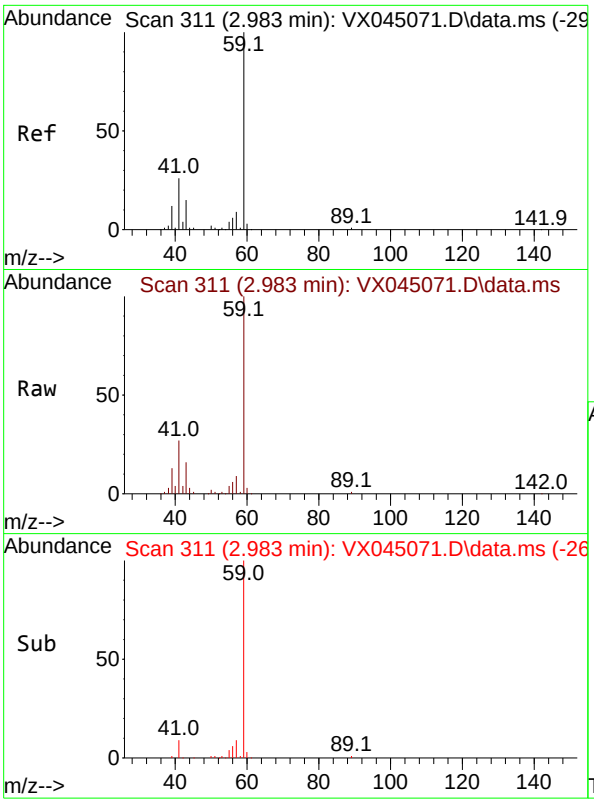


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:142 Resp: 79357

Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.4	53.2
141	14.5	11.6	17.4

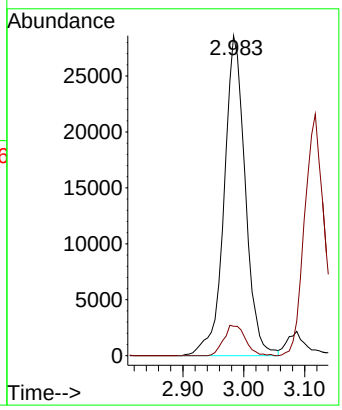




#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 59 Resp: 6913

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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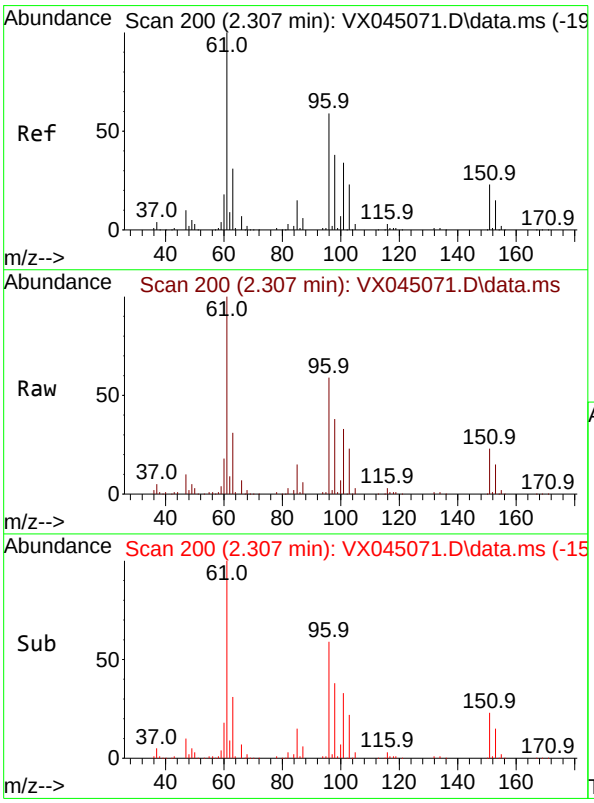
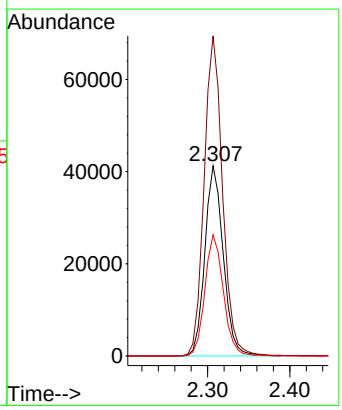
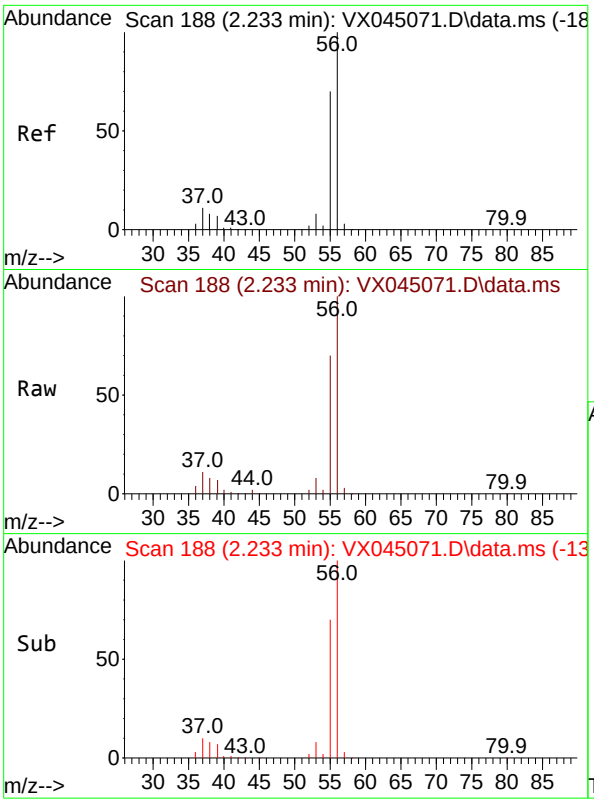


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 64327

Ion	Ratio	Lower	Upper
96	100		
61	168.3	134.6	202.0
98	63.8	51.0	76.6

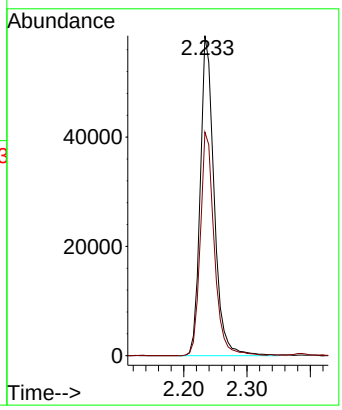




#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 8960

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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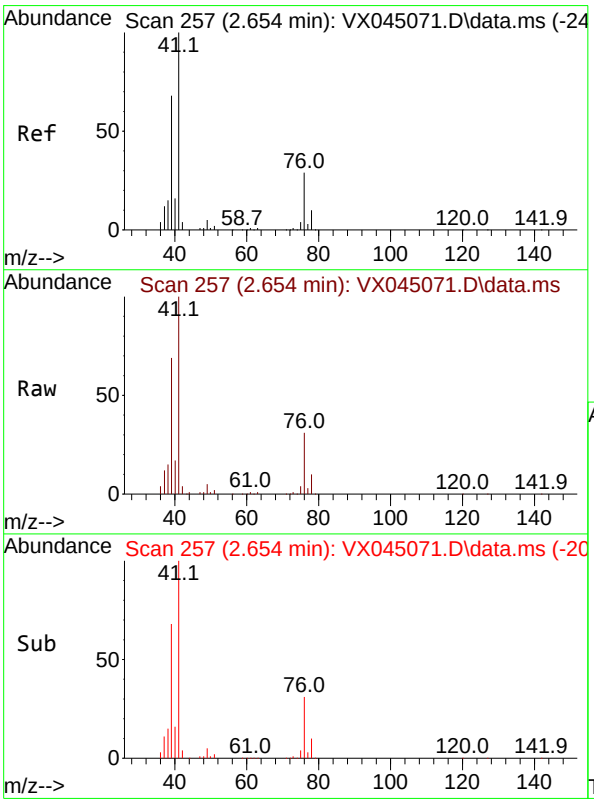
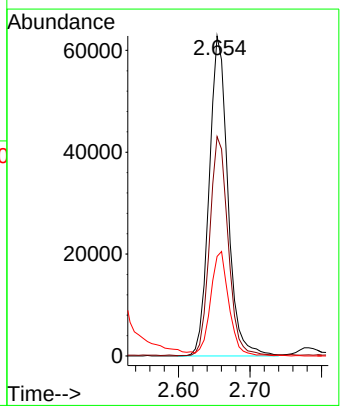
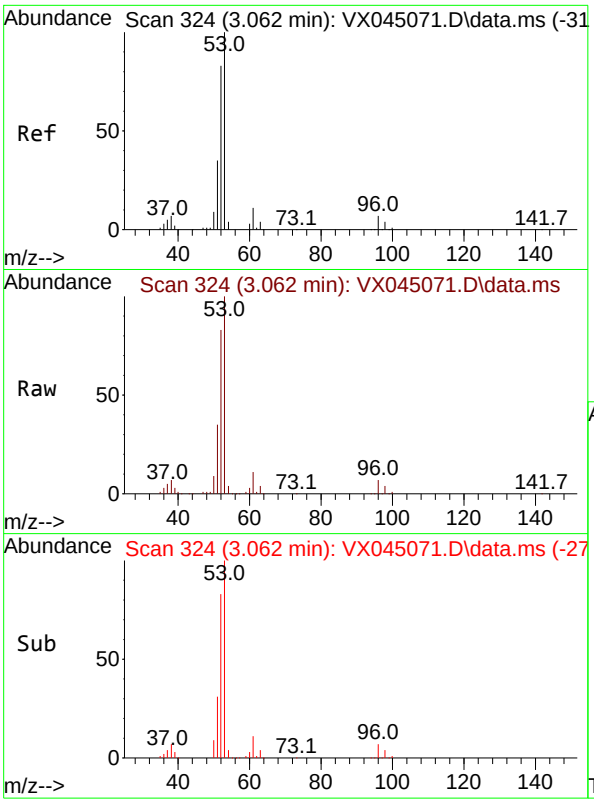


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 114313

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	31.5	25.2	37.8

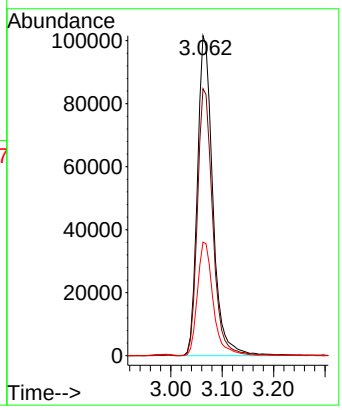




#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 53 Resp: 21145

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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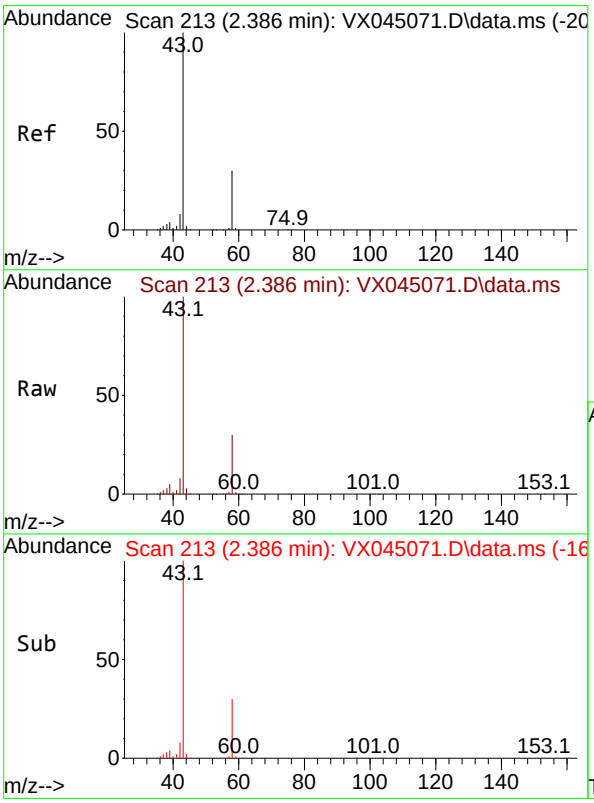
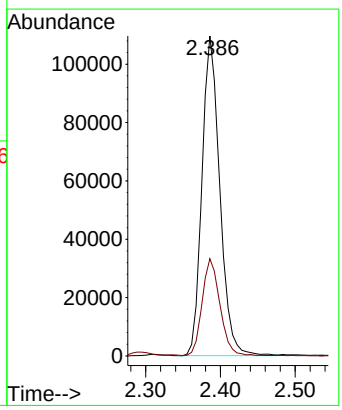
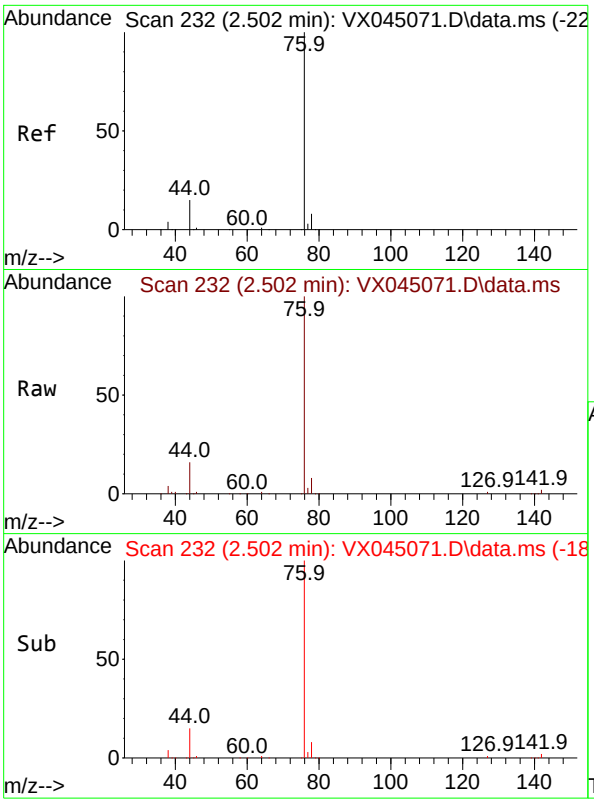


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 181429

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4

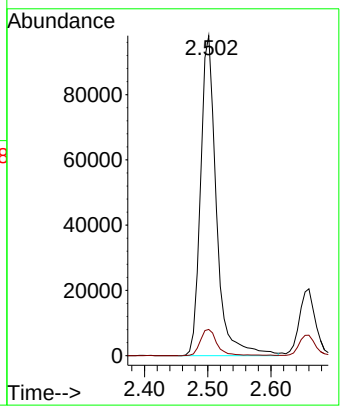




#17
Carbon Disulfide
Concen: 47.419 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 76 Resp: 17135

Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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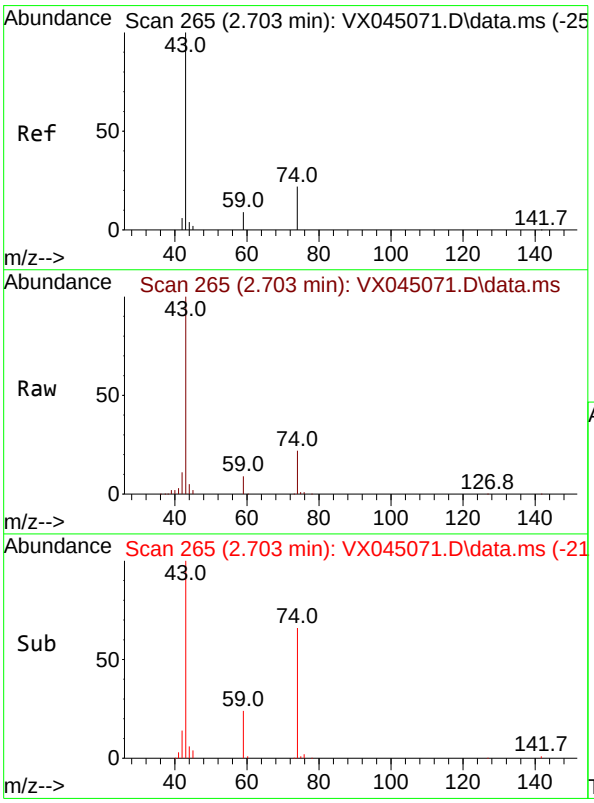
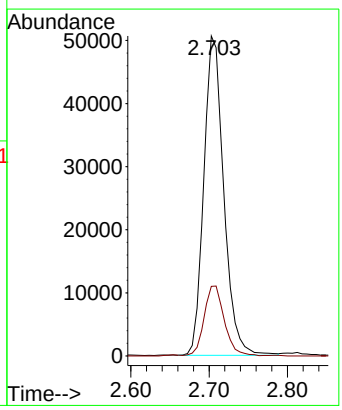
Supervised By :Mahesh Dadoda 02/28/2025

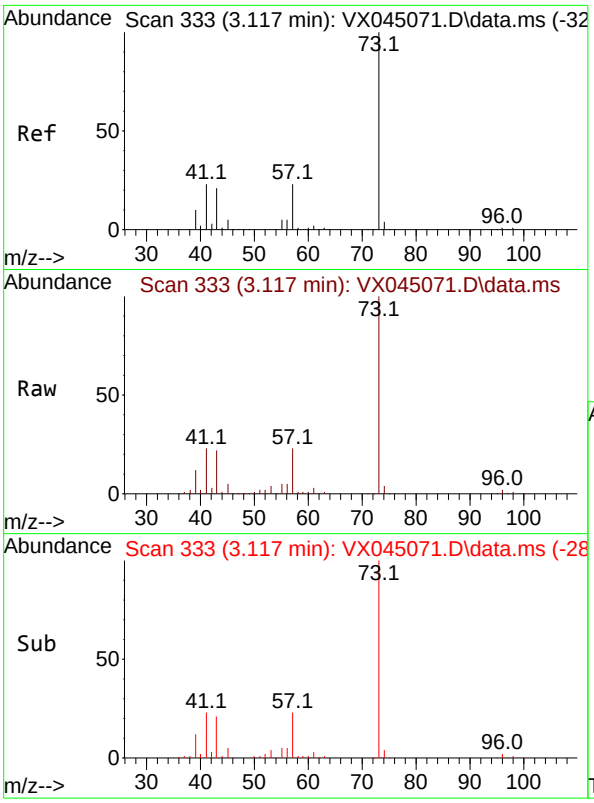


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

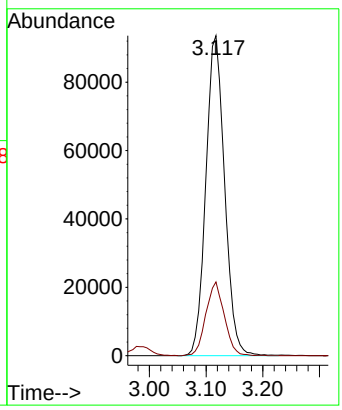




#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 73 Resp: 21504

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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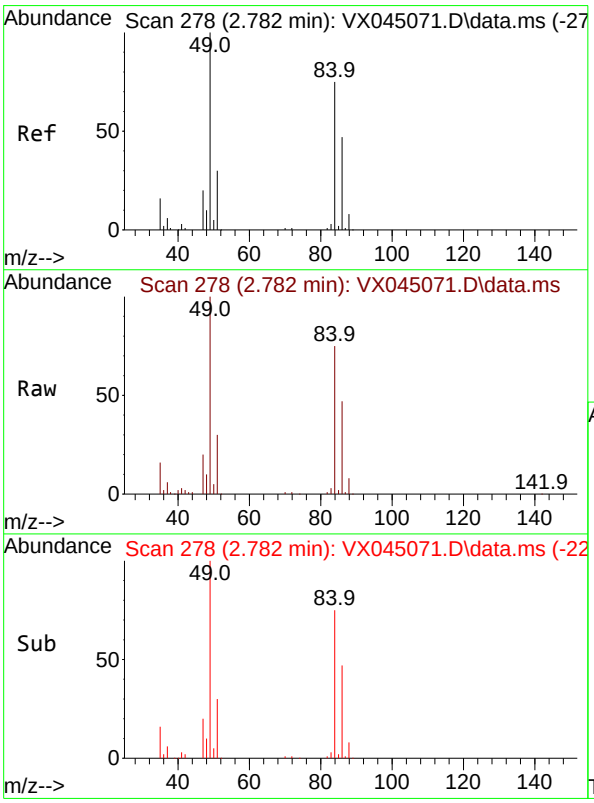
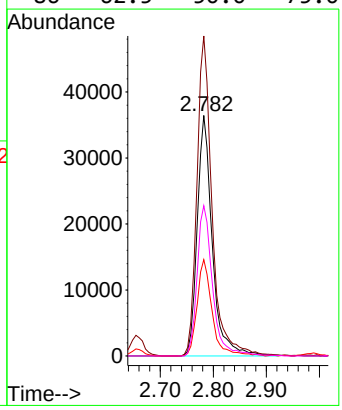
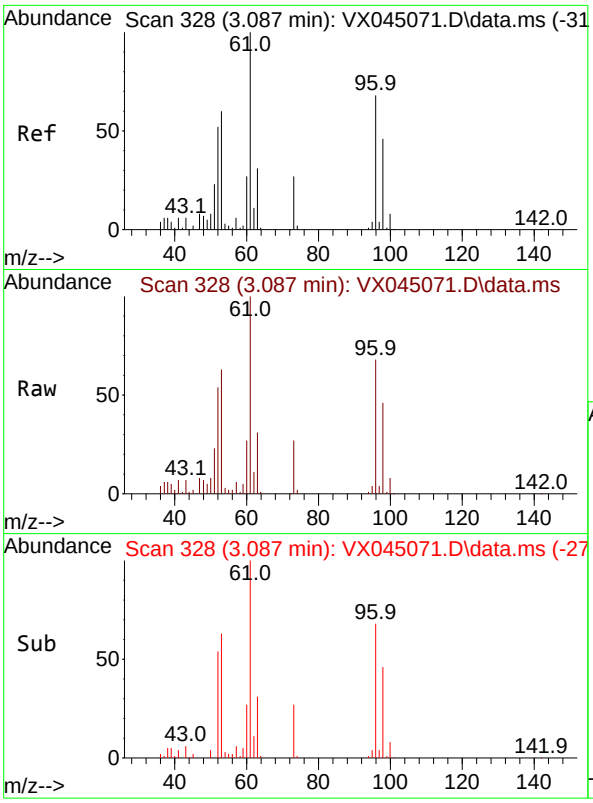


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 84 Resp: 72081

Ion	Ratio	Lower	Upper
84	100		
49	133.1	106.5	159.7
51	40.1	32.1	48.1
86	62.5	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 6509

Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.0	175.4
98	66.8	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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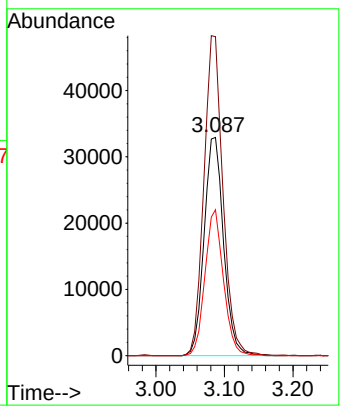
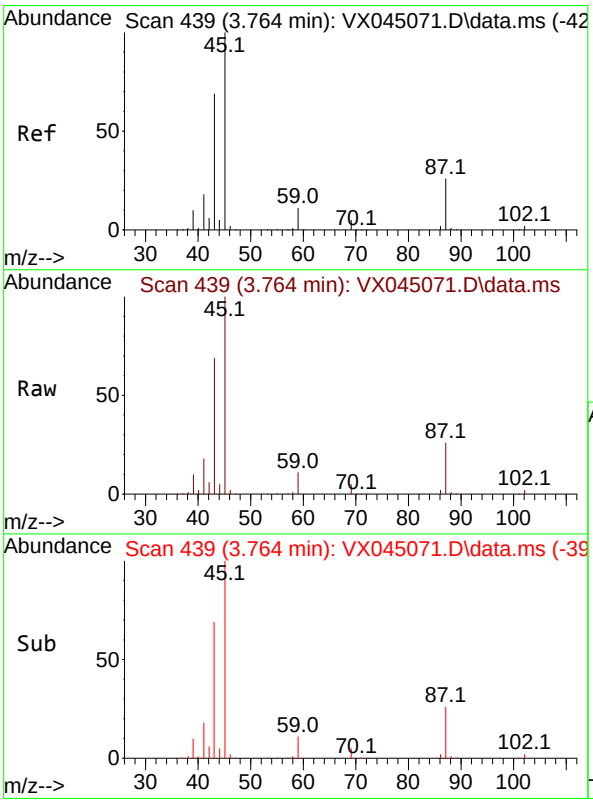
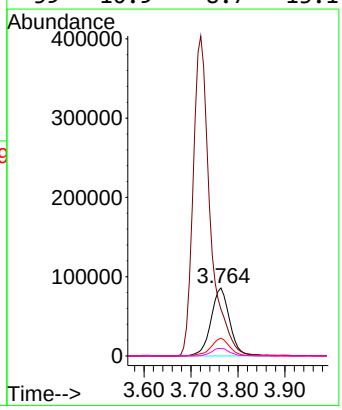


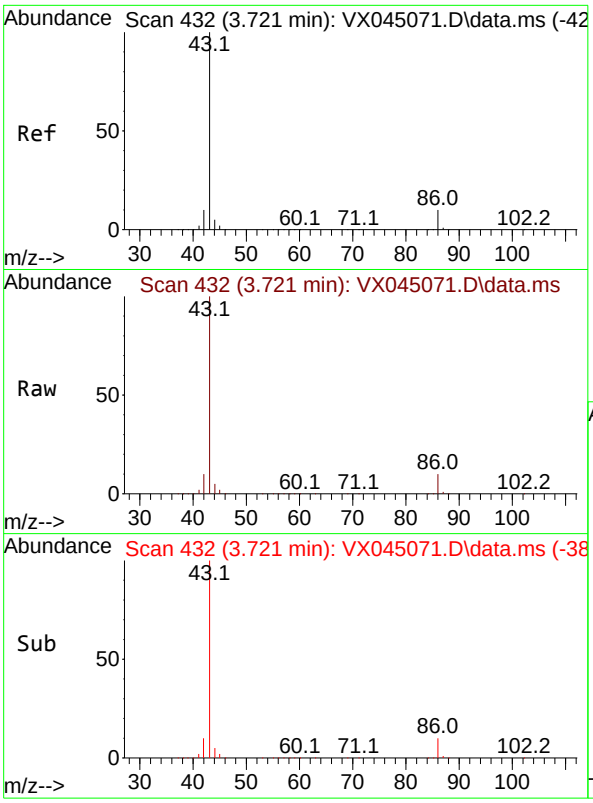


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 45 Resp: 236563

Ion	Ratio	Lower	Upper
45	100		
43	68.6	54.9	82.3
87	26.2	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 271.773 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 101863

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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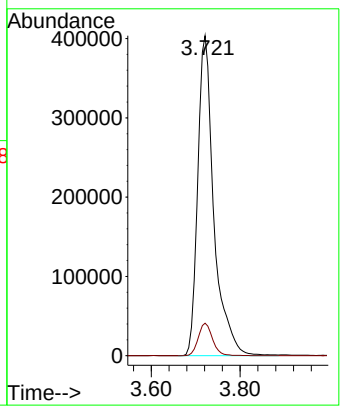
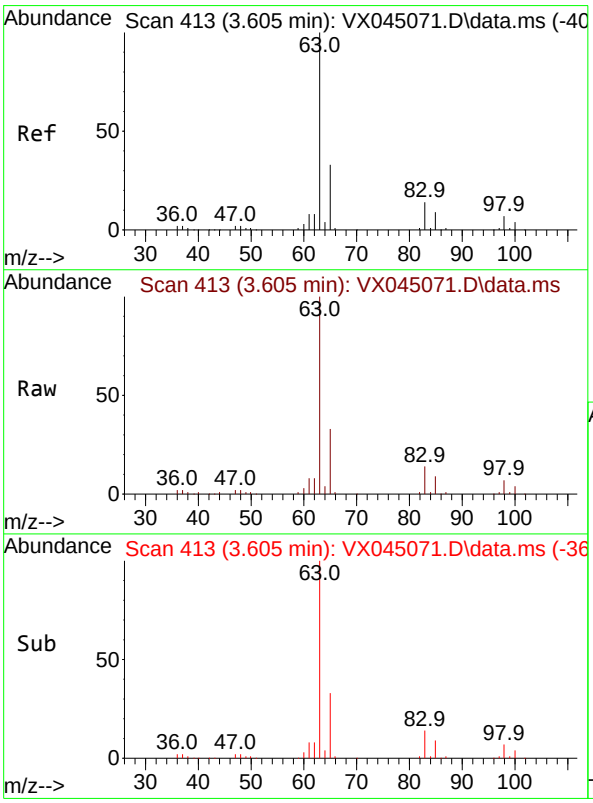
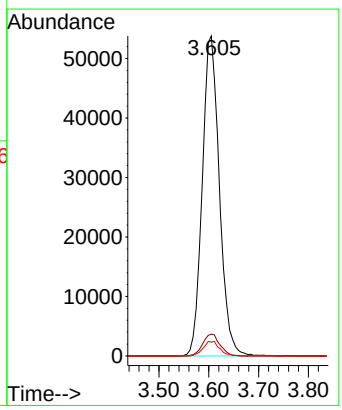


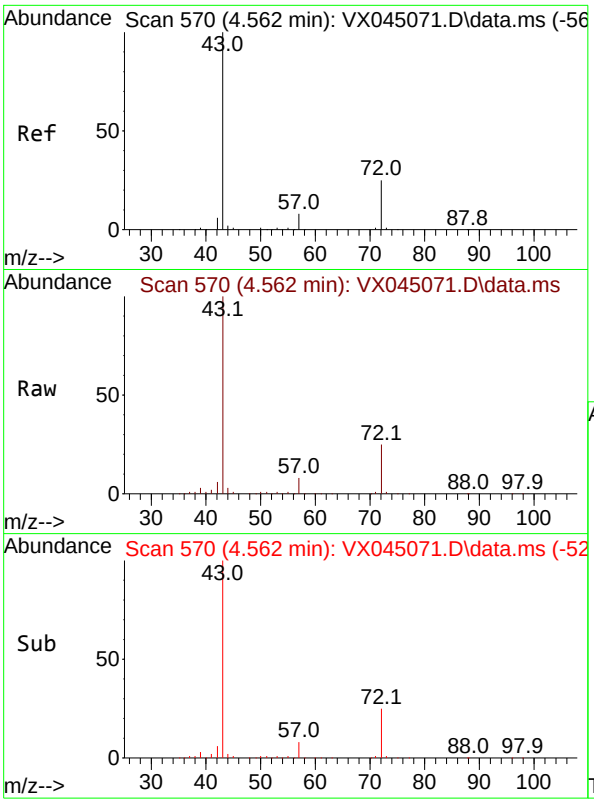


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 128235

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 29878

Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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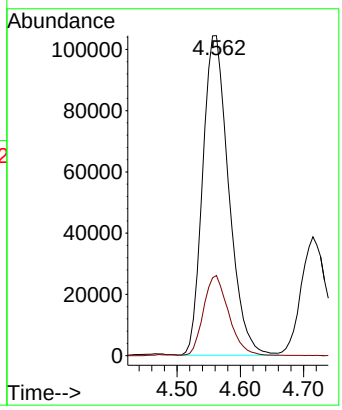
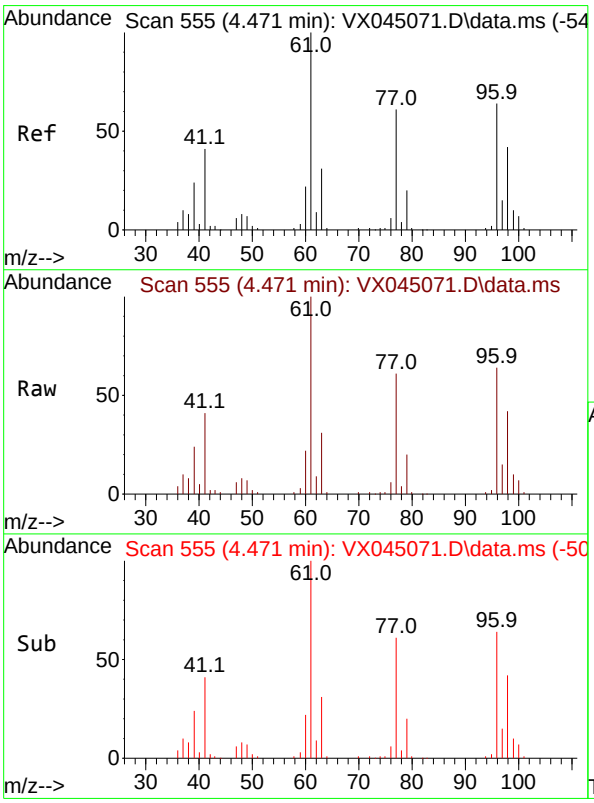
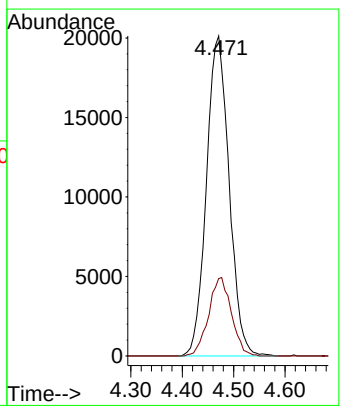


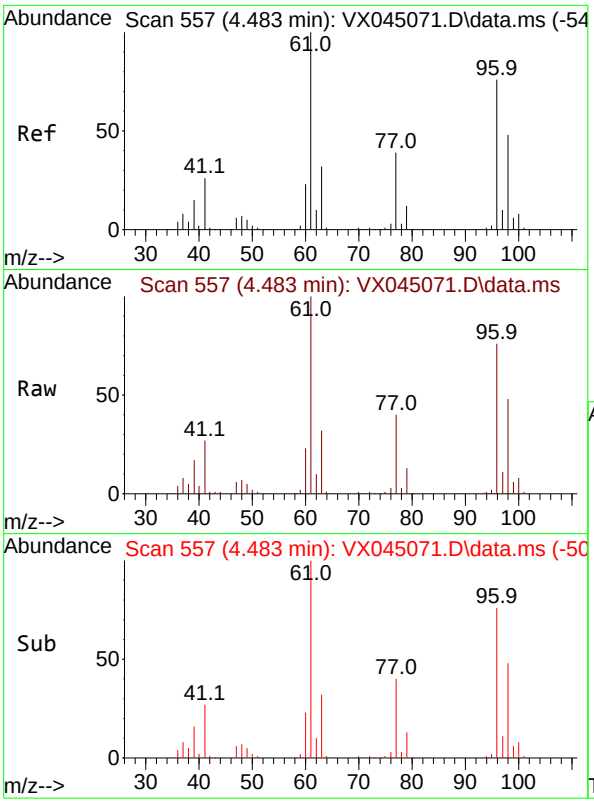


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.4	37.0

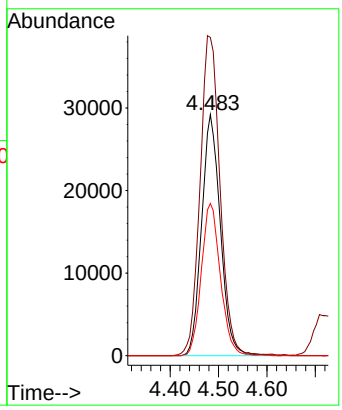




#27
cis-1,2-Dichloroethene
Concen: 49.955 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 7865

Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	64.0	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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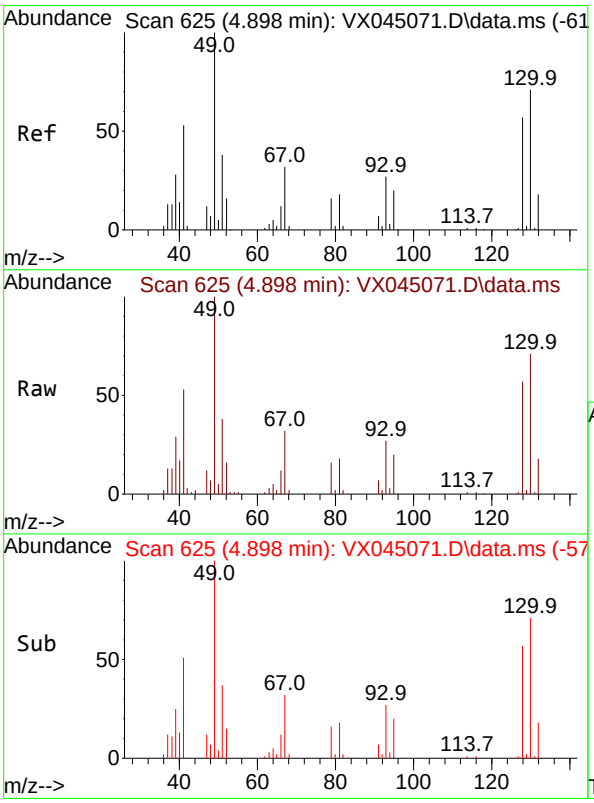
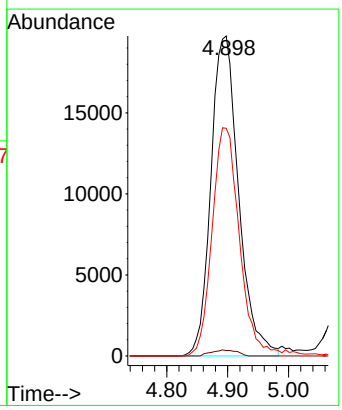
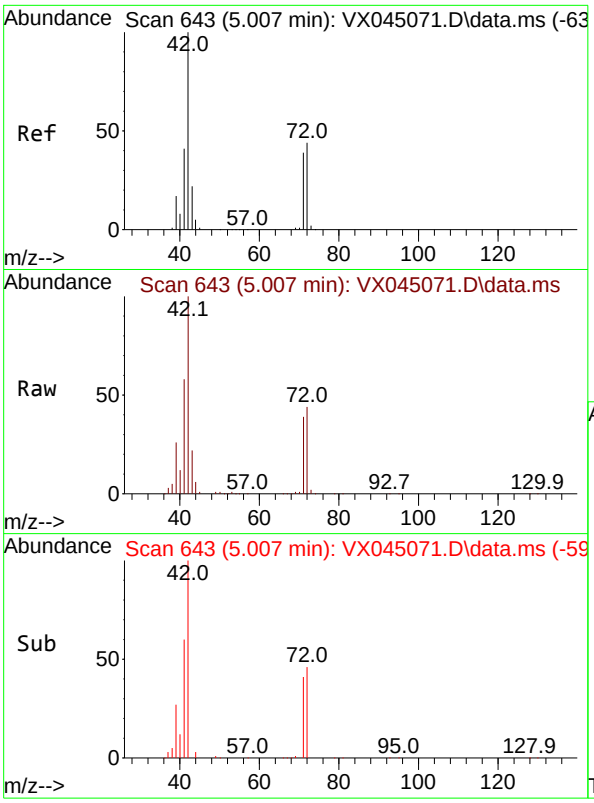


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 49 Resp: 62299

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1

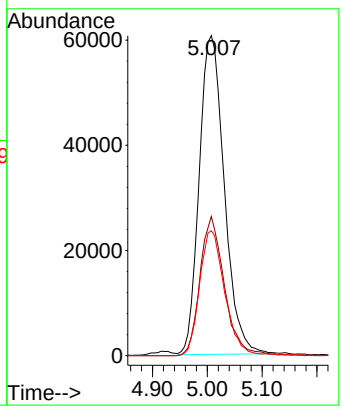




#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 42 Resp: 19260

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.2	31.4	47.0



Instrument :
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ClientSampleId :
VSTDICCC050

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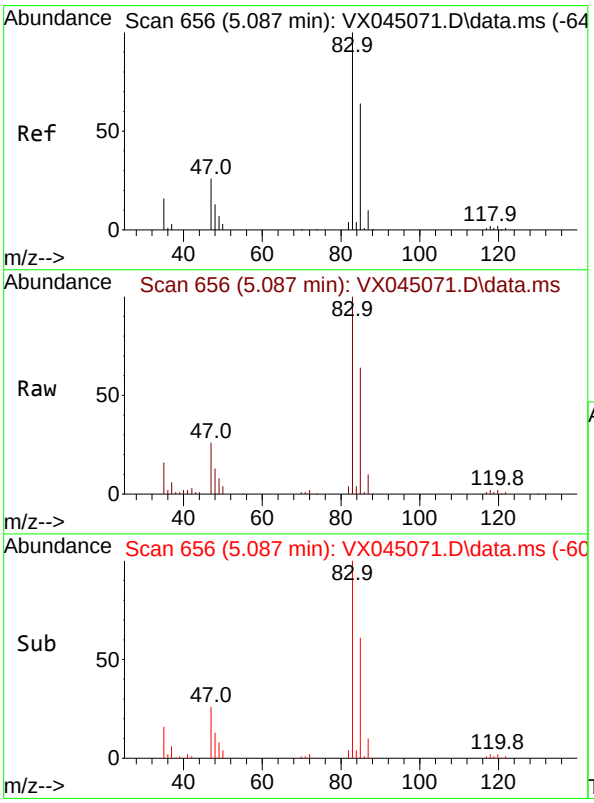
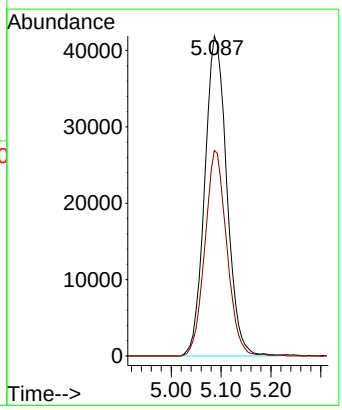
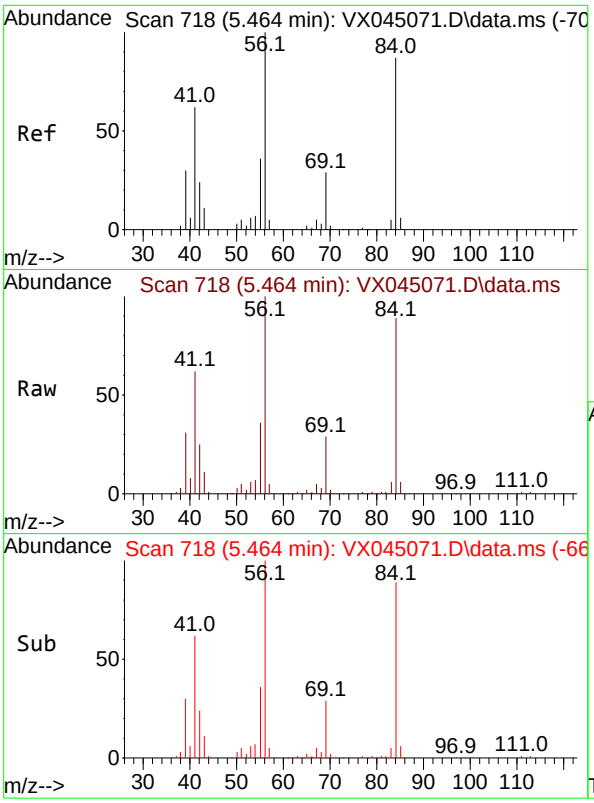


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2

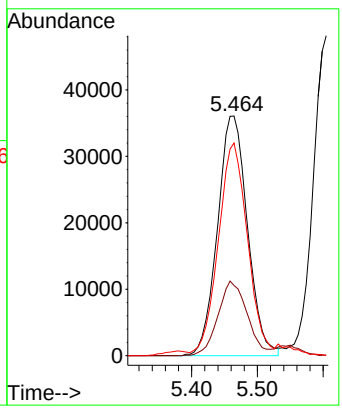




#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 11433

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	86.8	69.4	104.2



Instrument :
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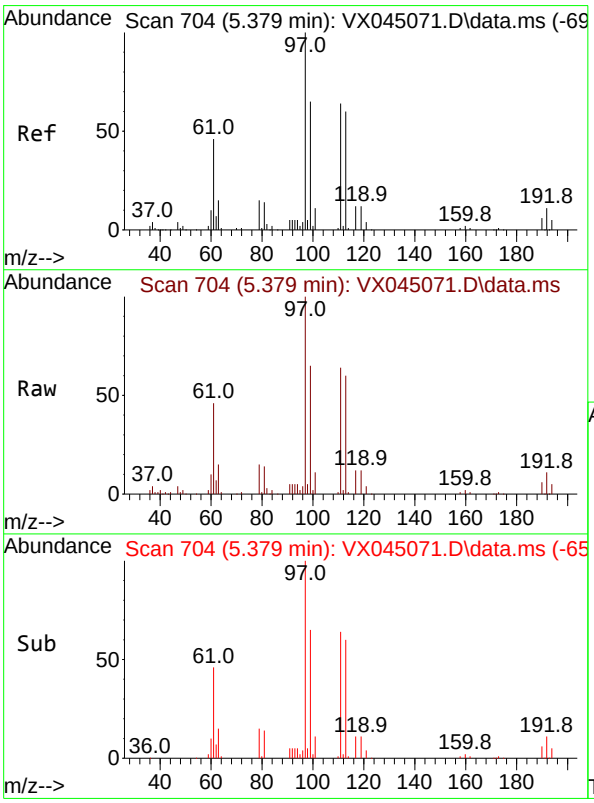
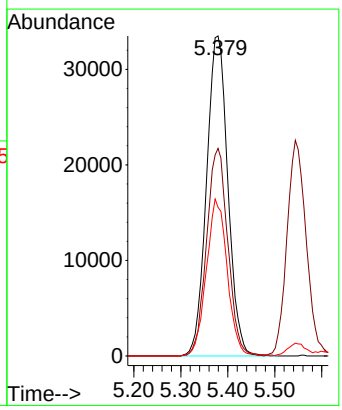
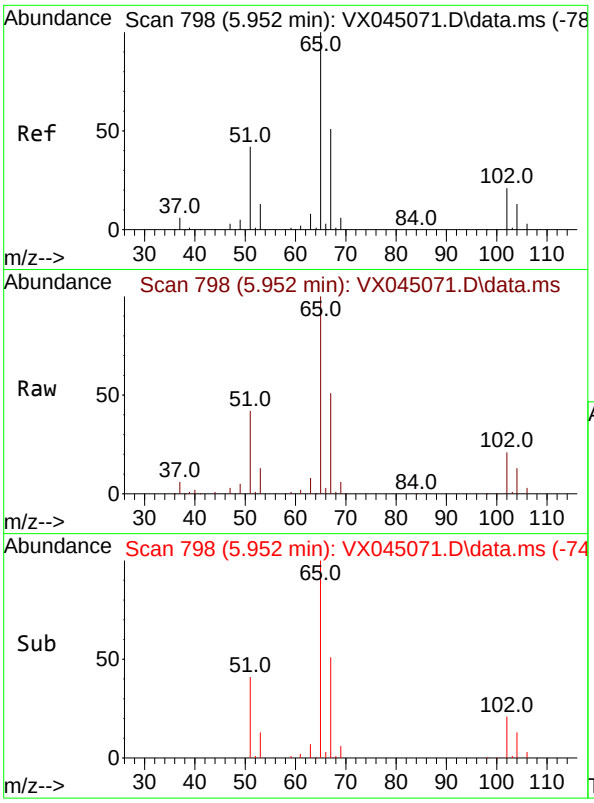


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 105671

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.0	38.4	57.6

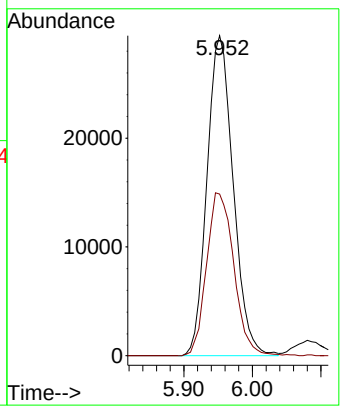




#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 65 Resp: 7815

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
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ClientSampleId :
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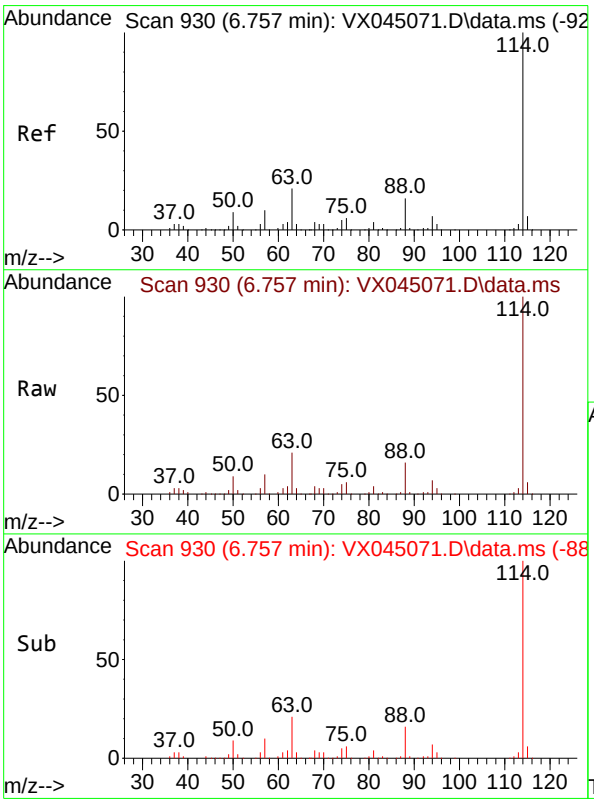
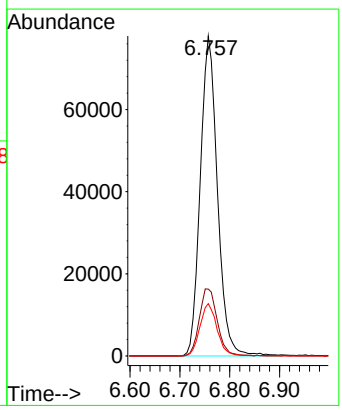
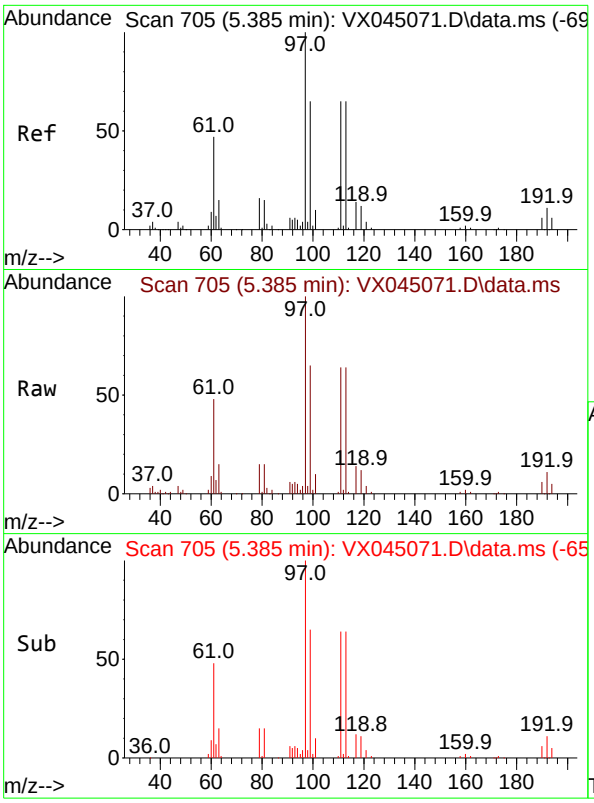


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:114 Resp: 186358

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	16.4	0.0	32.8

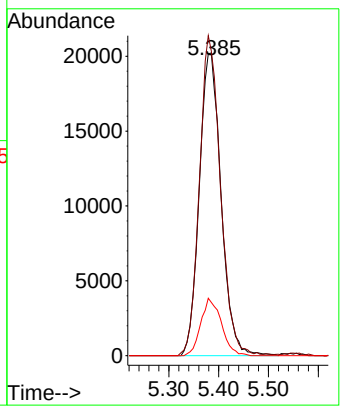




#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:113 Resp: 6132

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.9	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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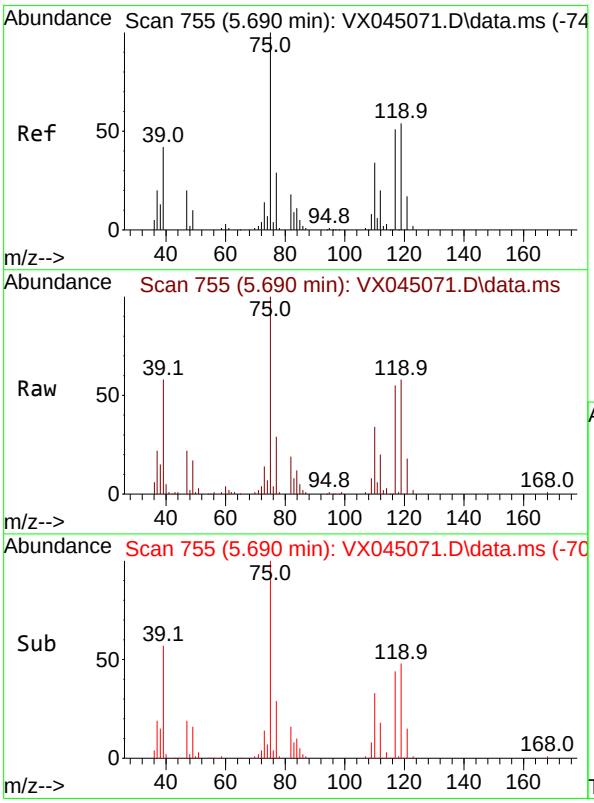
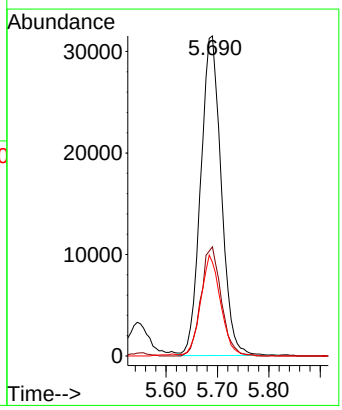
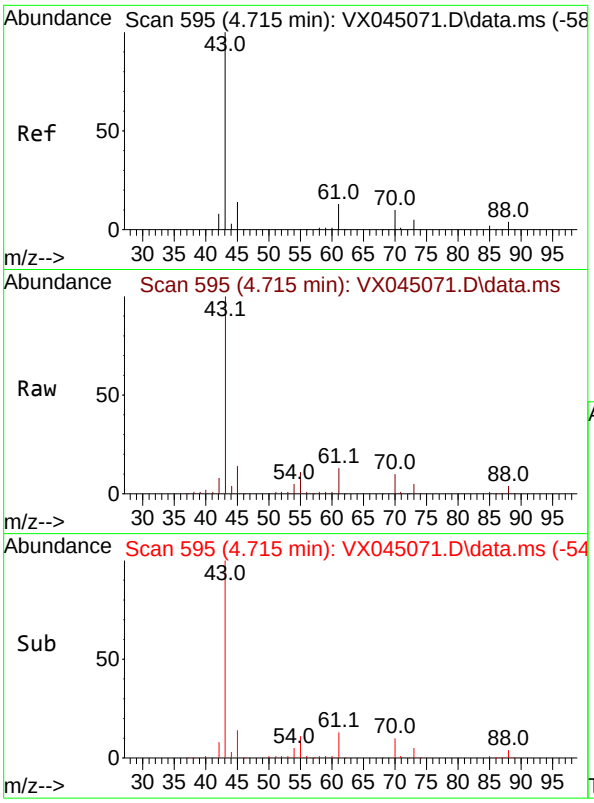


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 87338

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.6	24.5	36.7

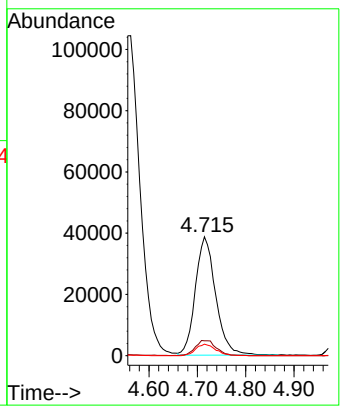




#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 11289

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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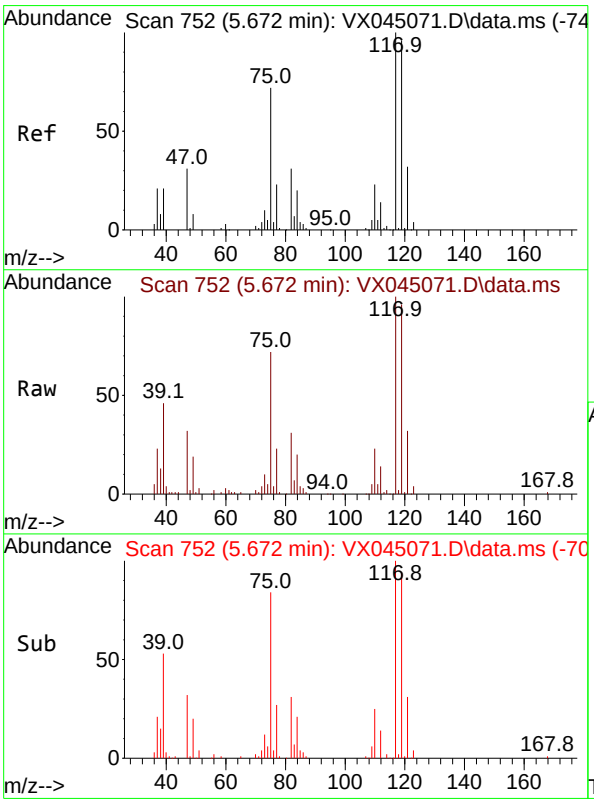
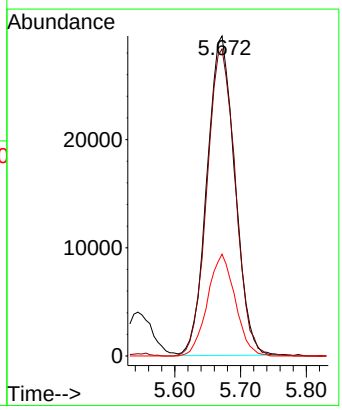
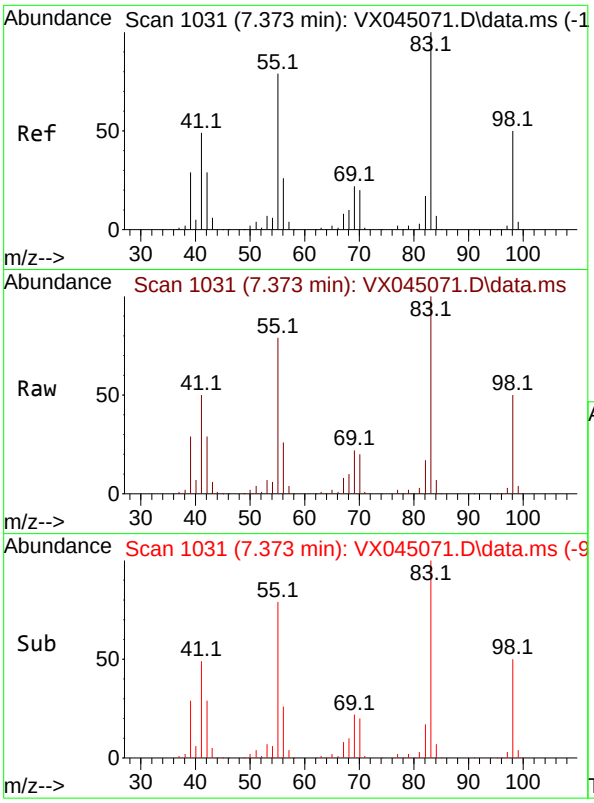


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 87123

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	31.9	25.5	38.3





#39
Methylcyclohexane
Concen: 48.715 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 10897

Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	49.6	39.7	59.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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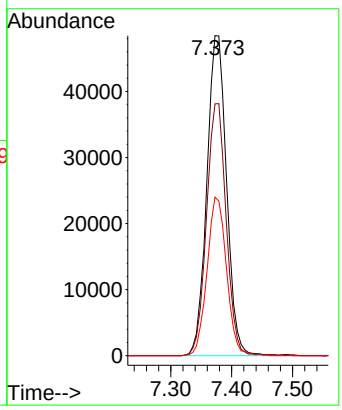
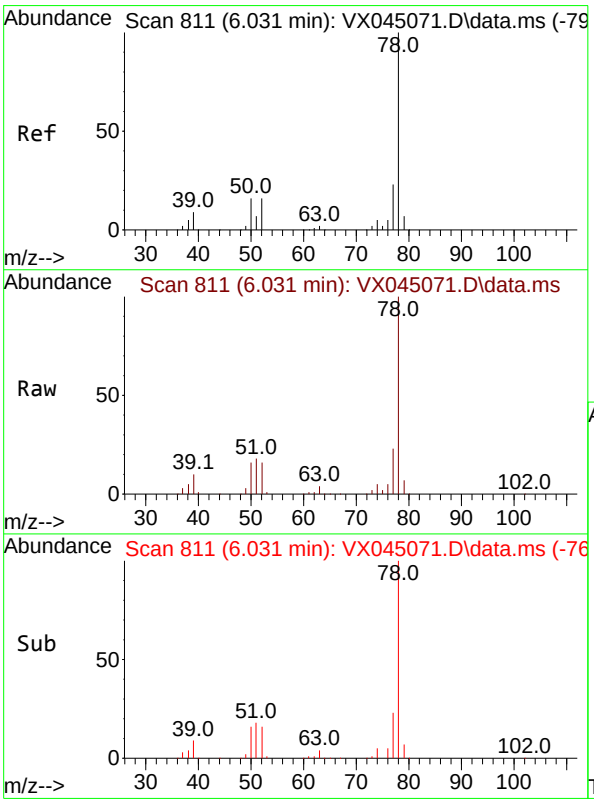
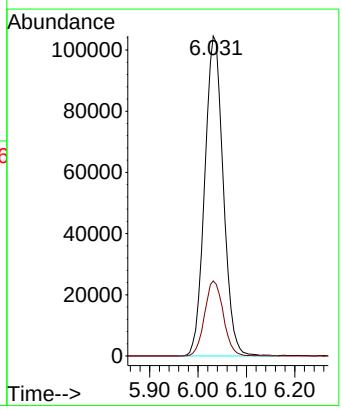


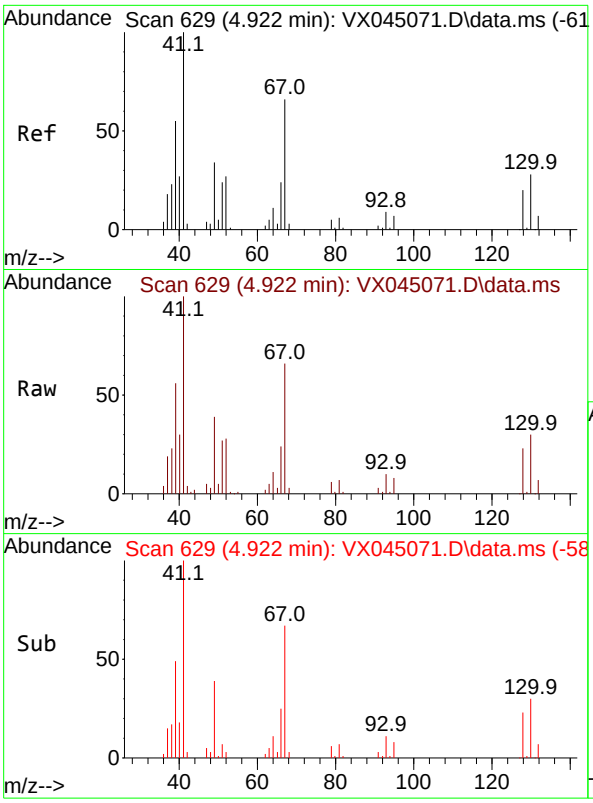


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

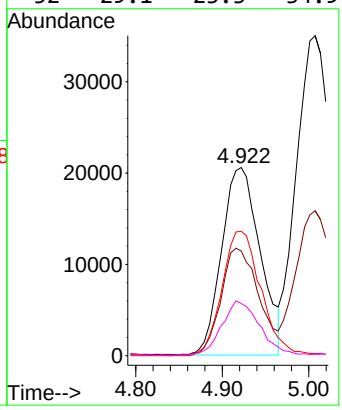




#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 6345

Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	67.4	53.9	80.9
52	29.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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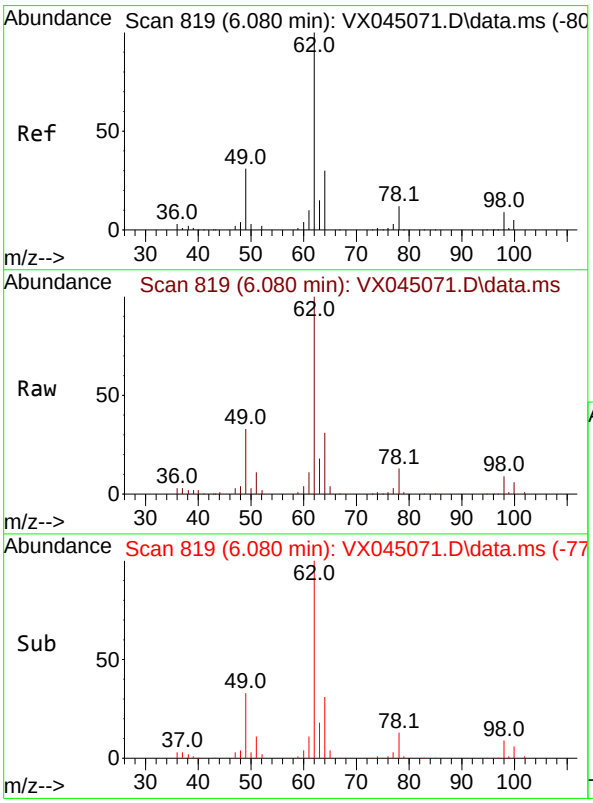
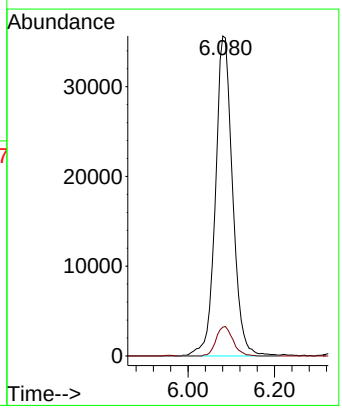
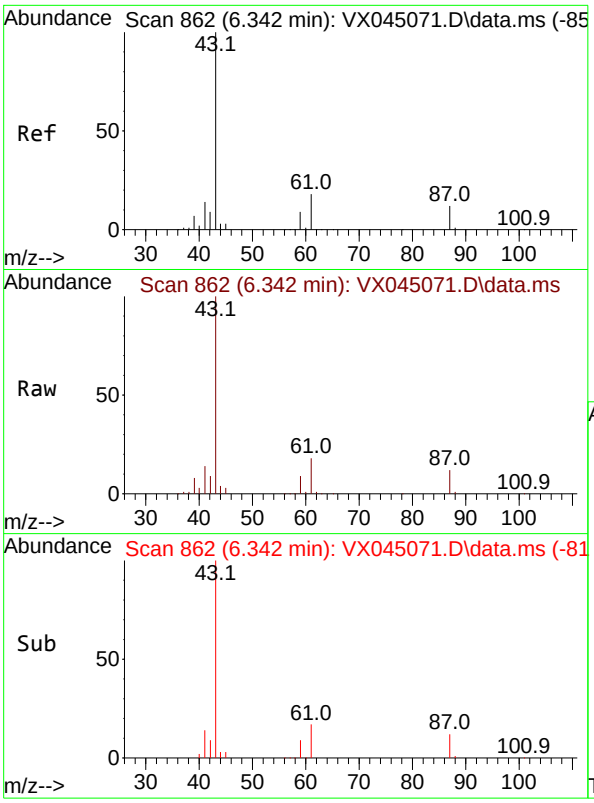


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

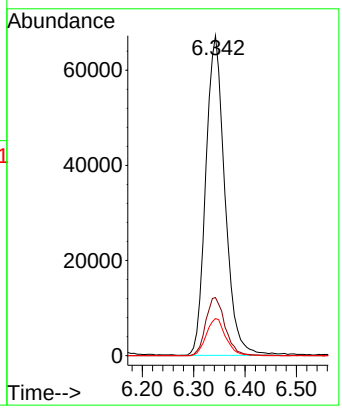




#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 17304

Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	11.8	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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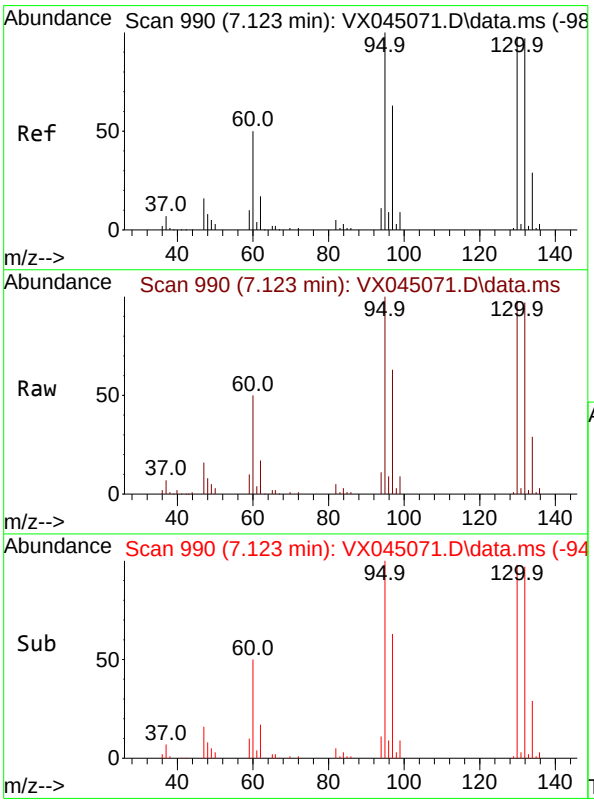
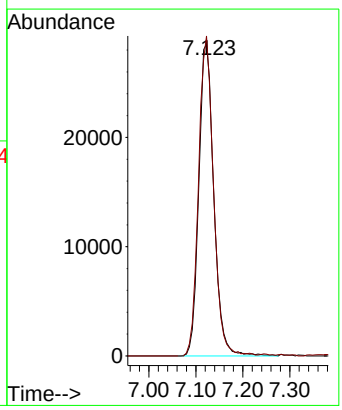
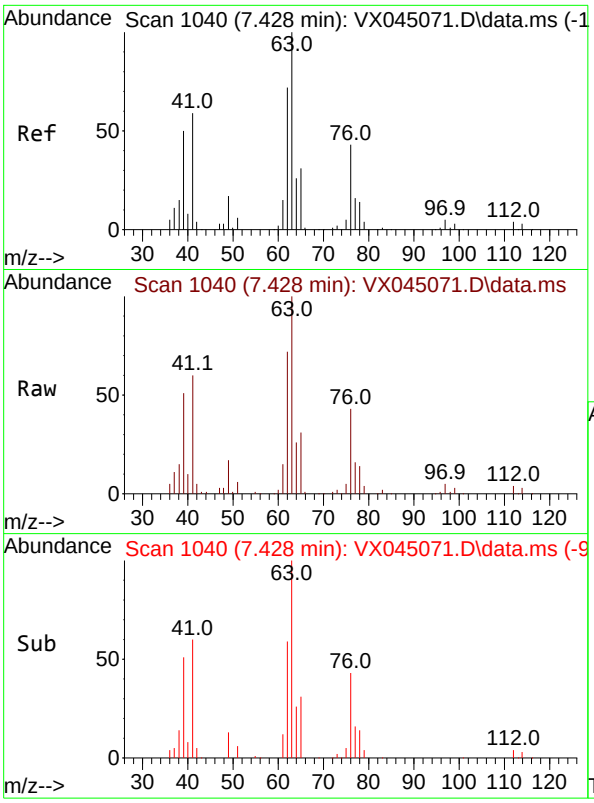


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0

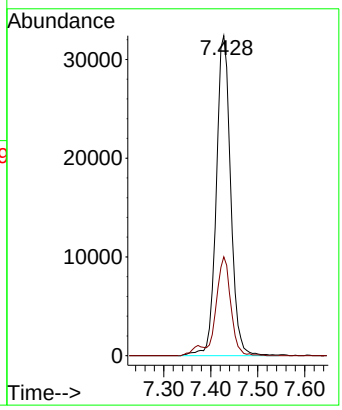




#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 6912

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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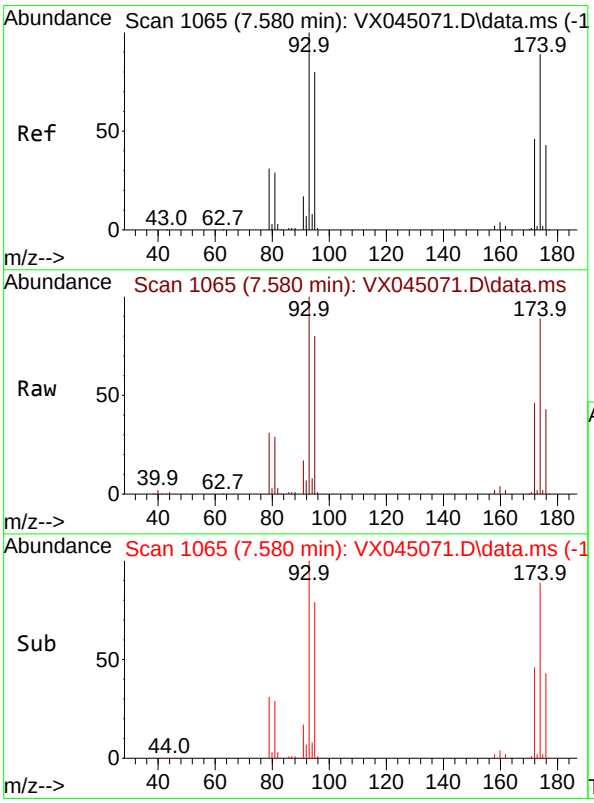
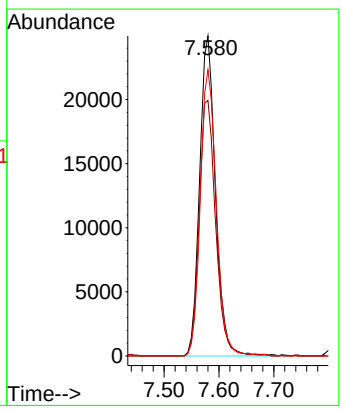
Supervised By :Mahesh Dadoda 02/28/2025

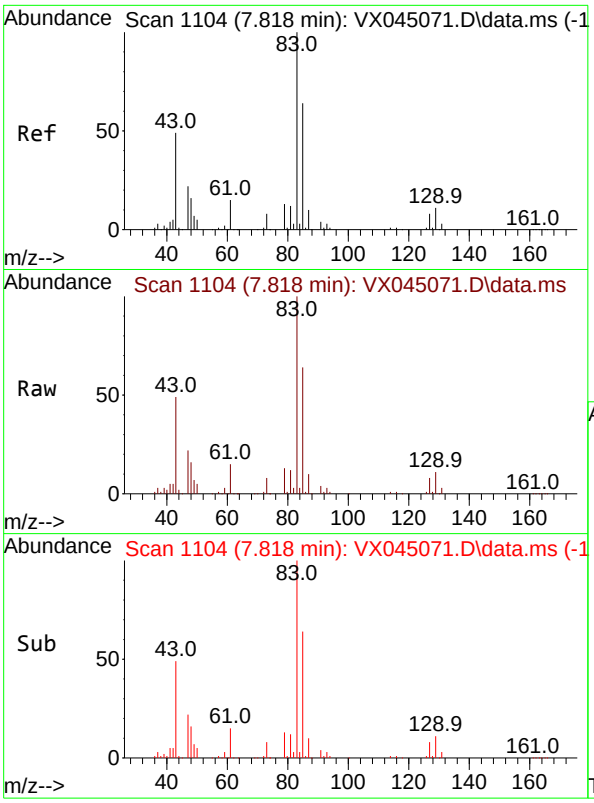


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 93 Resp: 50143

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	90.2	72.2	108.2

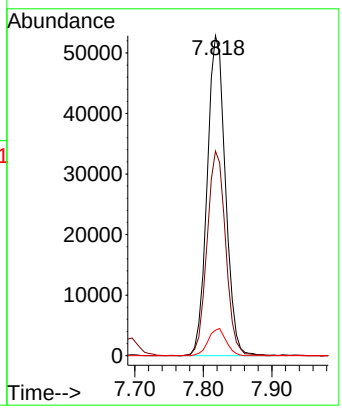




#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 9772

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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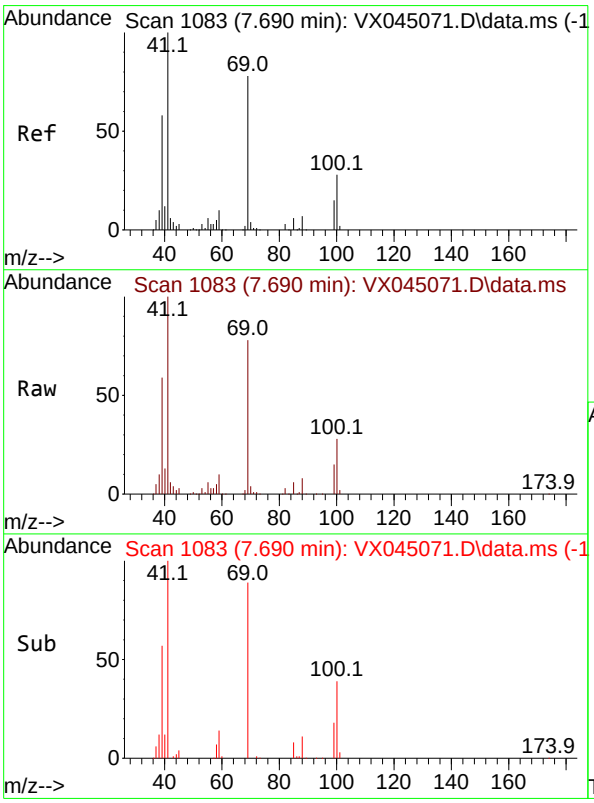
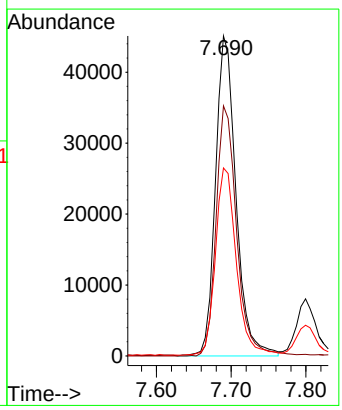
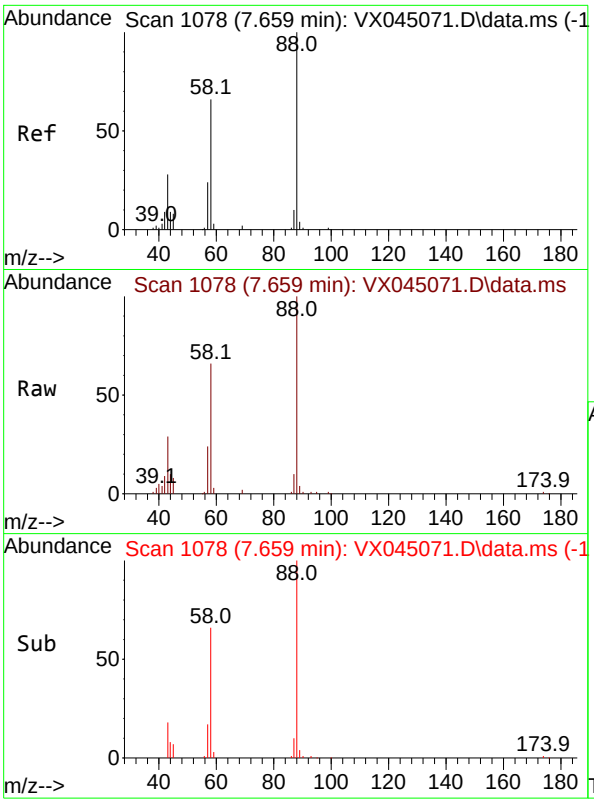


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 86231

Ion	Ratio	Lower	Upper
41	100		
69	78.8	63.0	94.6
39	59.4	47.5	71.3

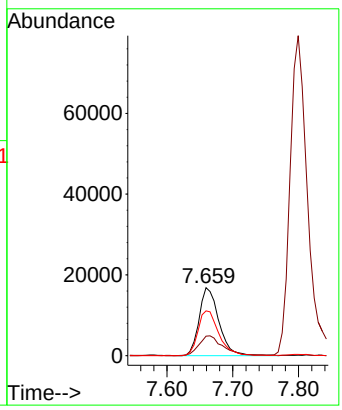




#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 88 Resp: 3505

Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.7	43.1
58	69.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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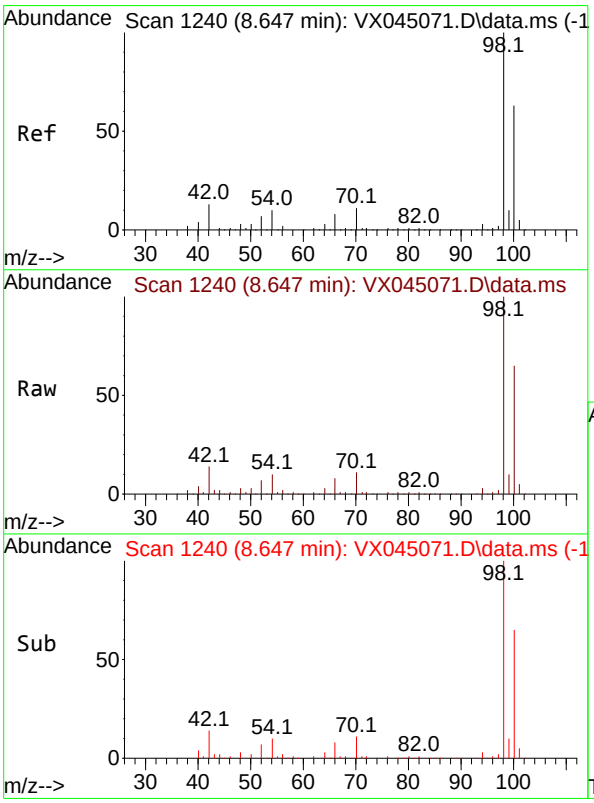
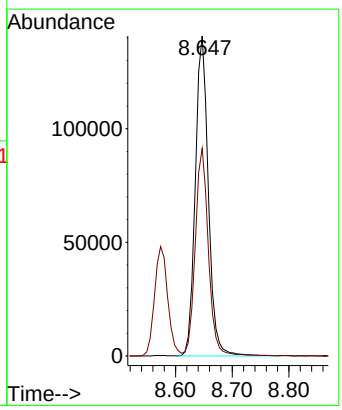
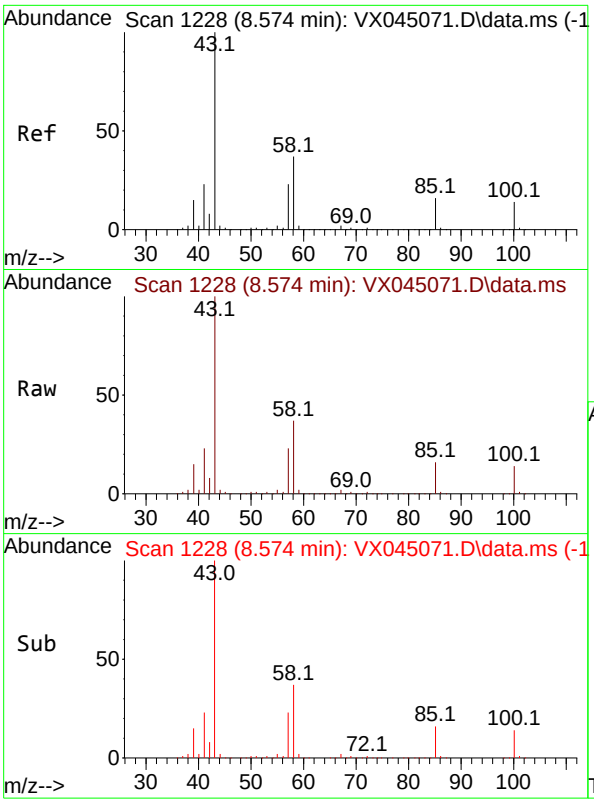


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 98 Resp: 225493

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

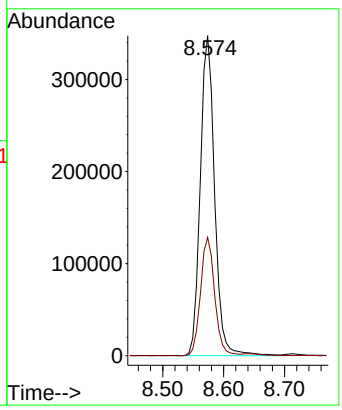




#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 56873

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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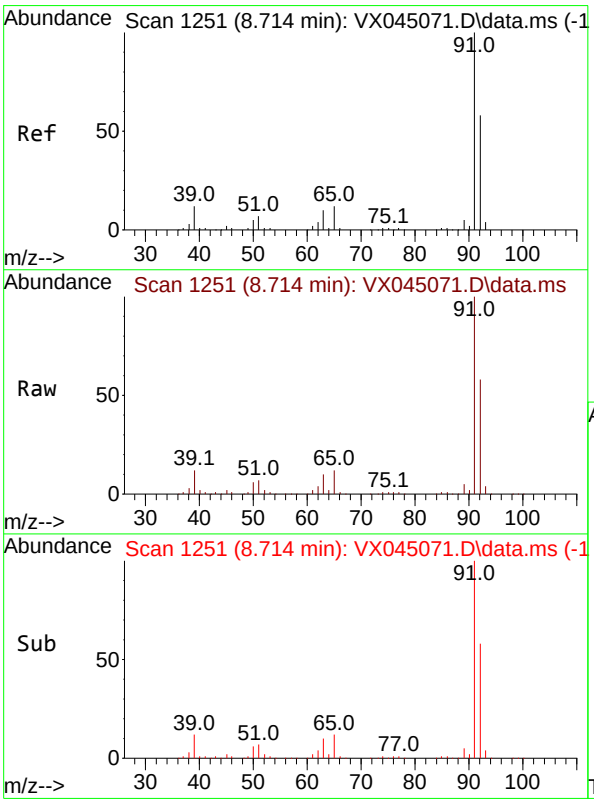
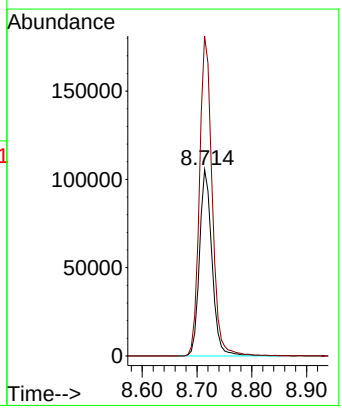
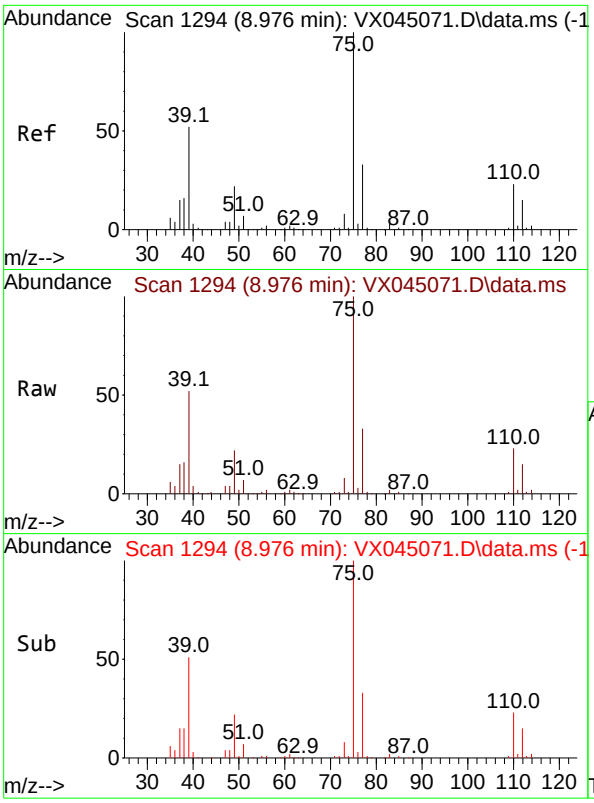


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3

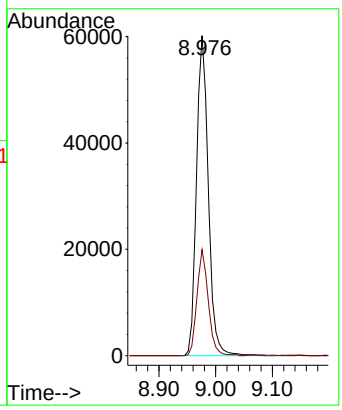




#53
t-1,3-Dichloropropene
Concen: 48.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 8737

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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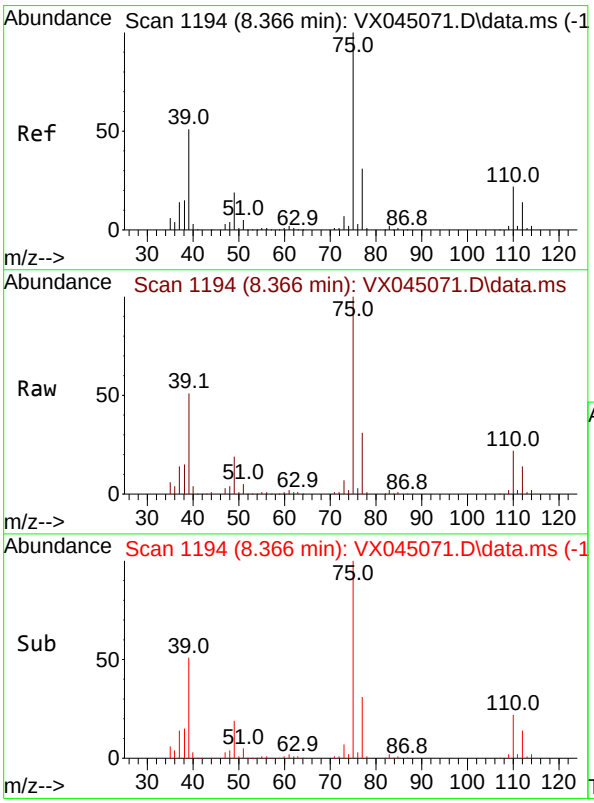
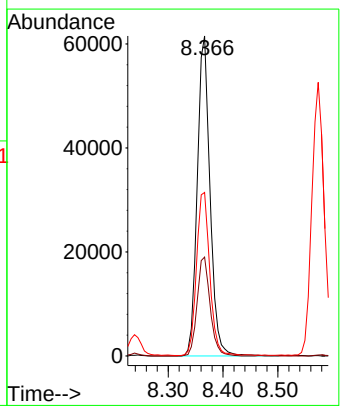
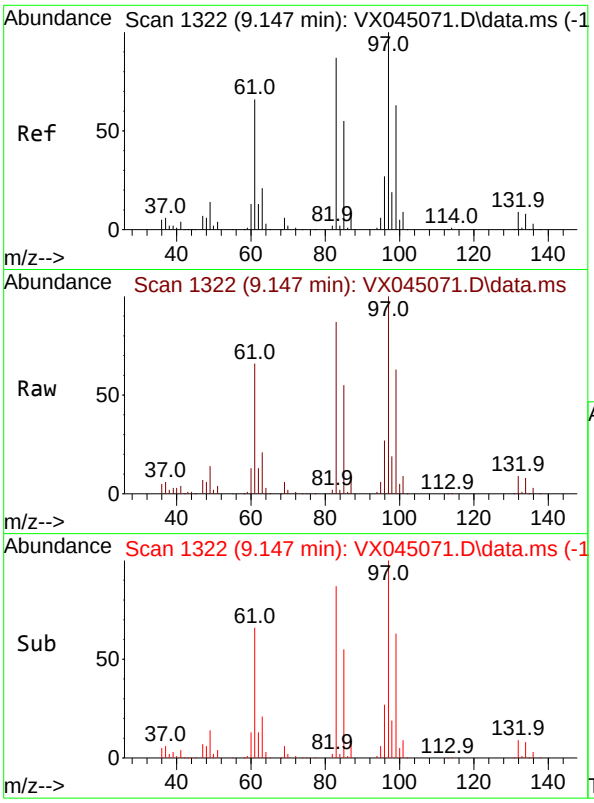


#54
cis-1,3-Dichloropropene
Concen: 49.079 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 99713

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	50.9	40.7	61.1

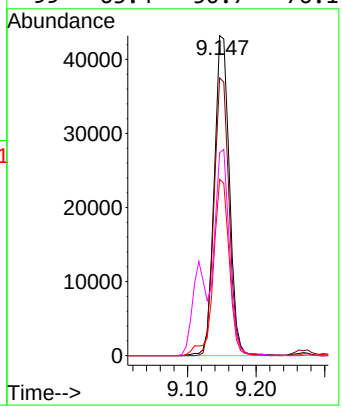




#55
1,1,2-Trichloroethane
Concen: 52.724 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 6637

Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.1	44.1	66.1
99	63.4	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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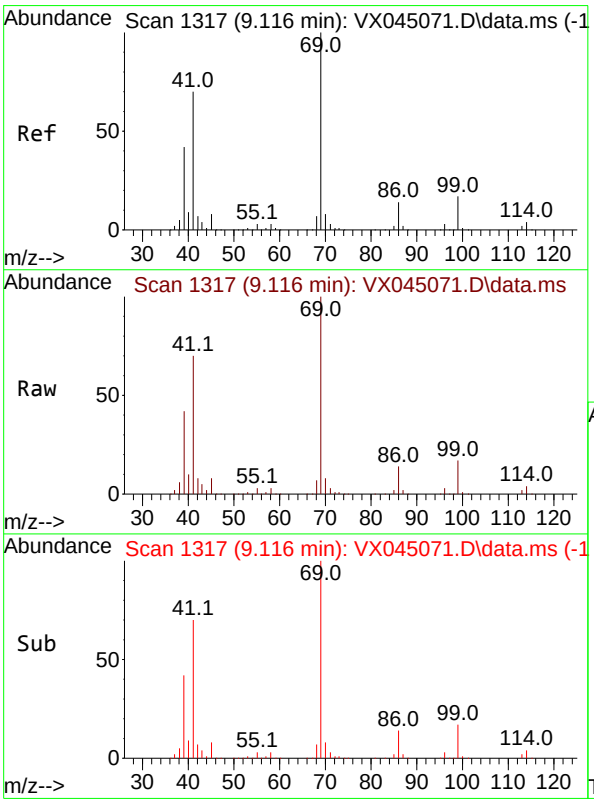
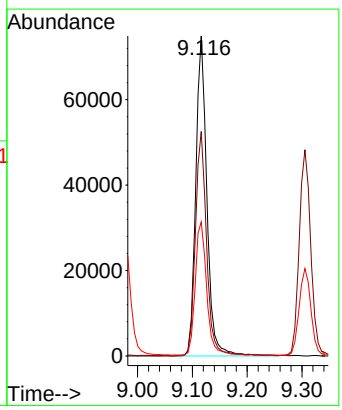
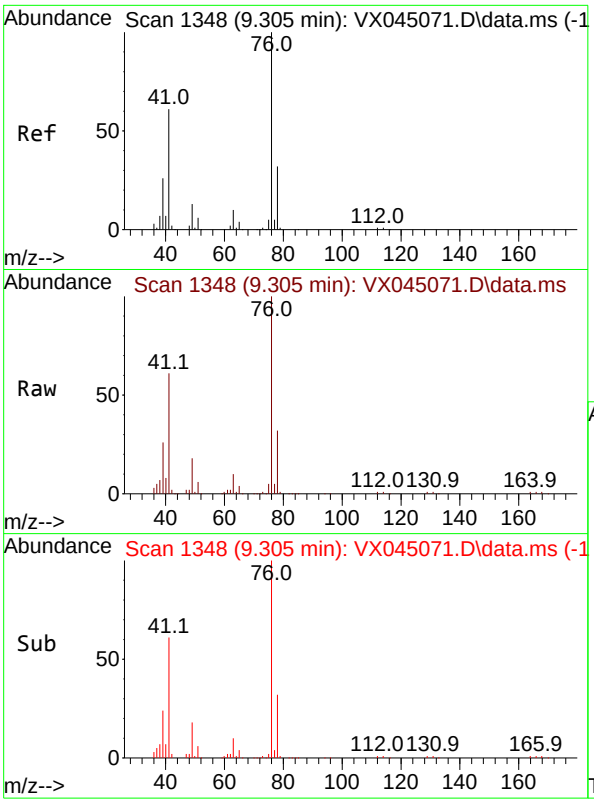


#56
Ethyl methacrylate
Concen: 52.724 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 69 Resp: 106157

Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.4
39	42.8	34.2	51.4

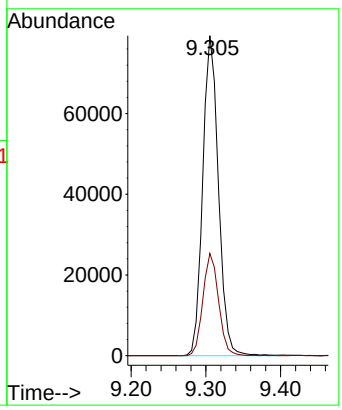




#57
1,3-Dichloropropane
Concen: 52.594 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 76 Resp: 11548

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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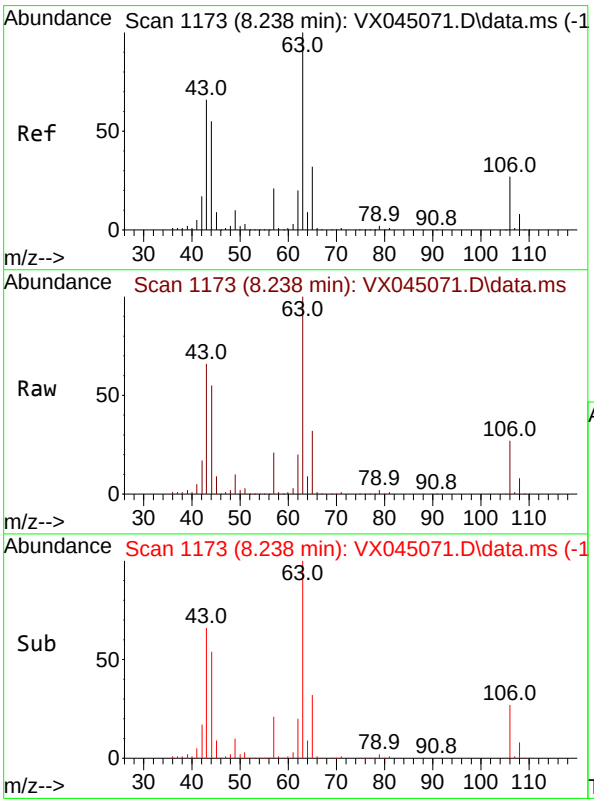
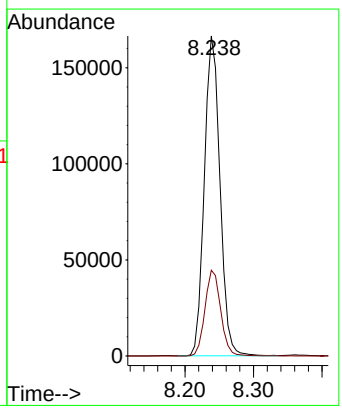
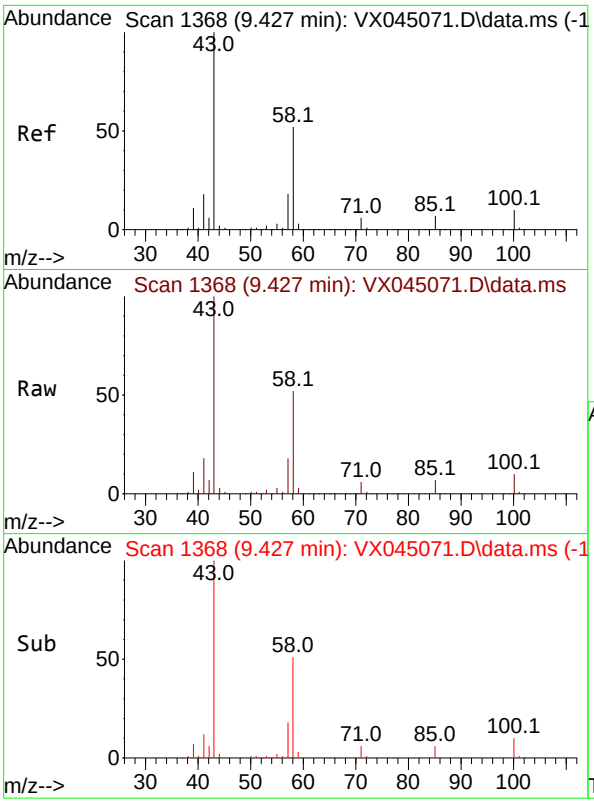


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 264555

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3





#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 41698

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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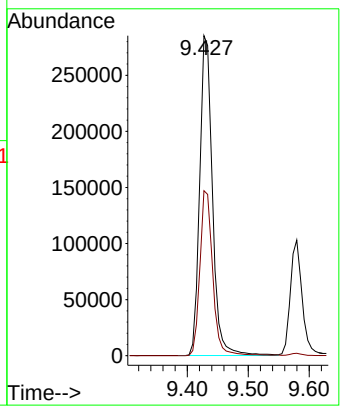
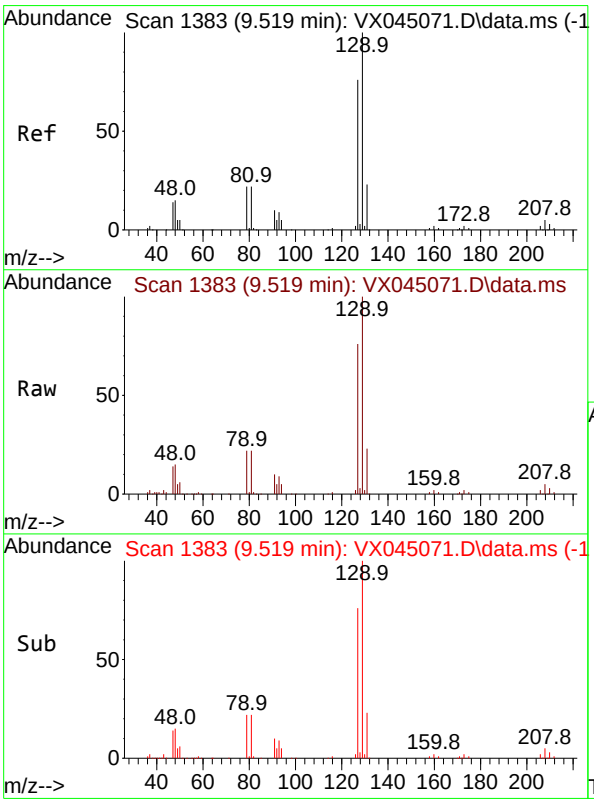
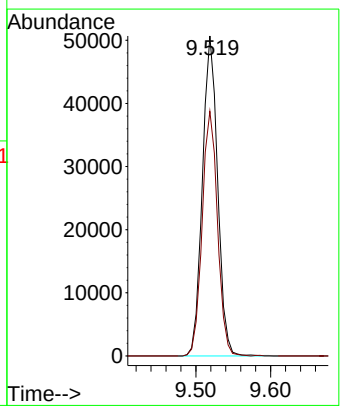


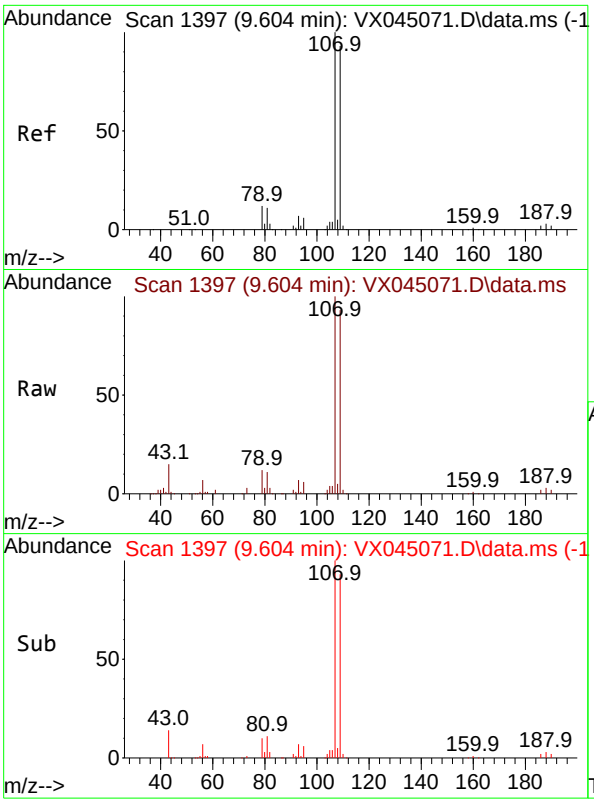


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

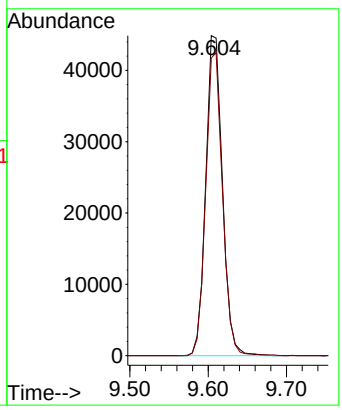




#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:107 Resp: 6631

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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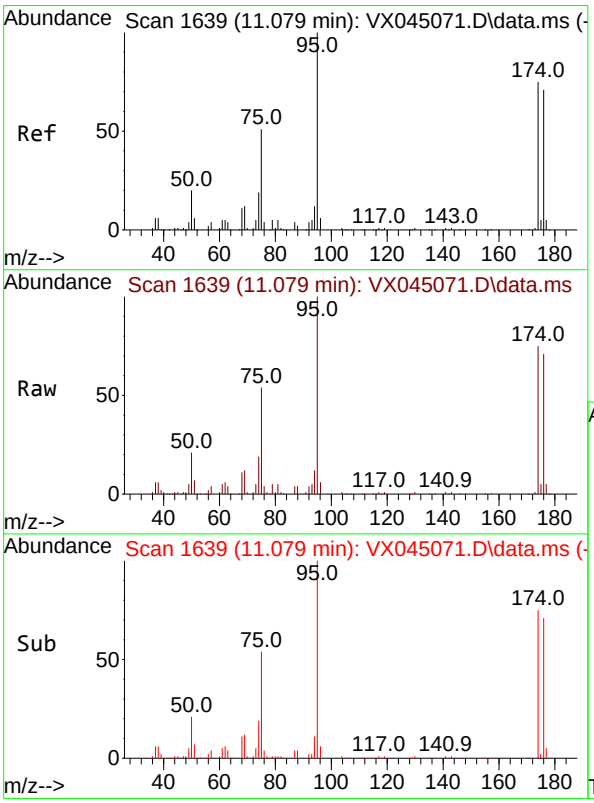
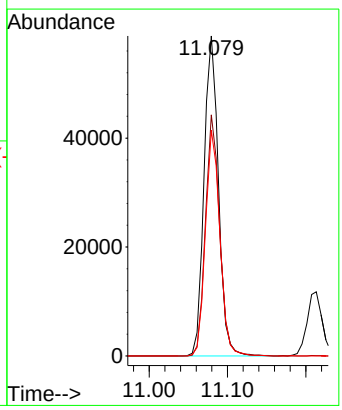
Supervised By :Mahesh Dadoda 02/28/2025

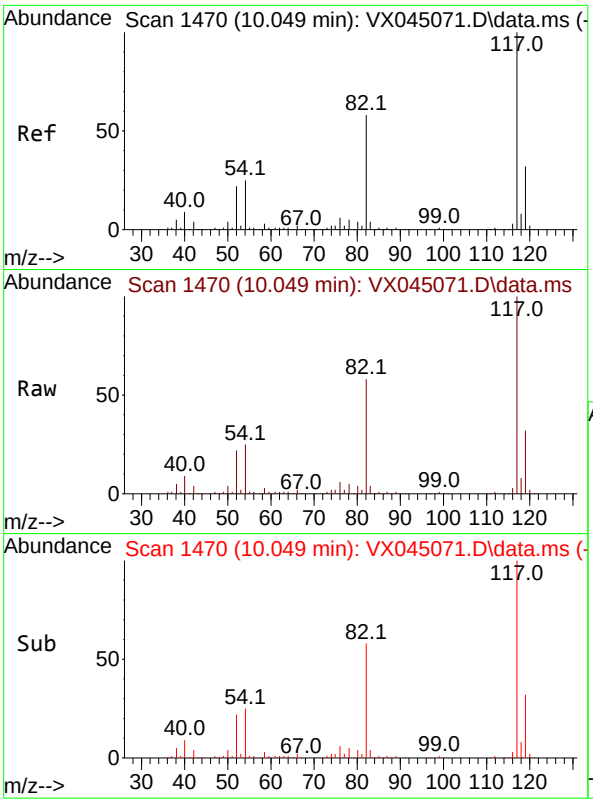


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 95 Resp: 74945

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	148.2
176	70.7	0.0	141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 16207

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.1	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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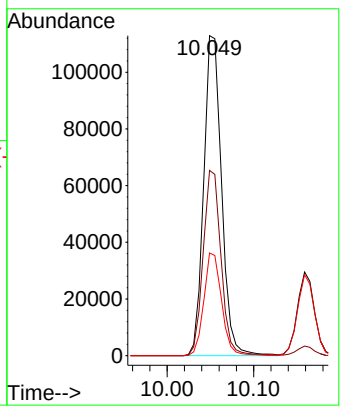
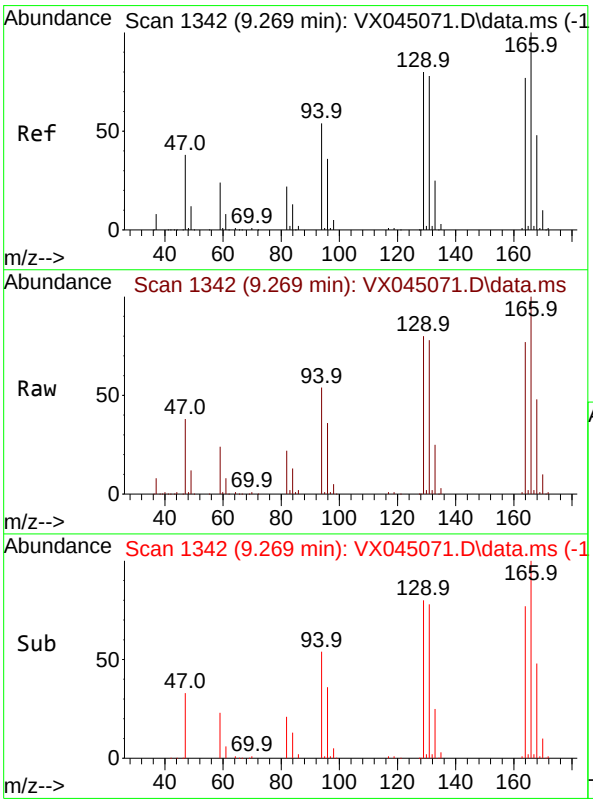
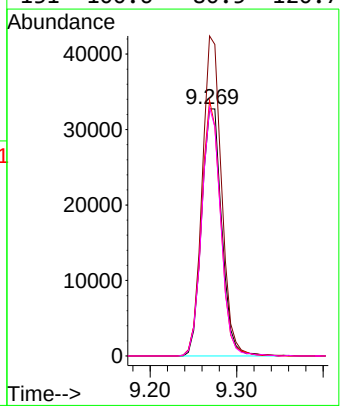


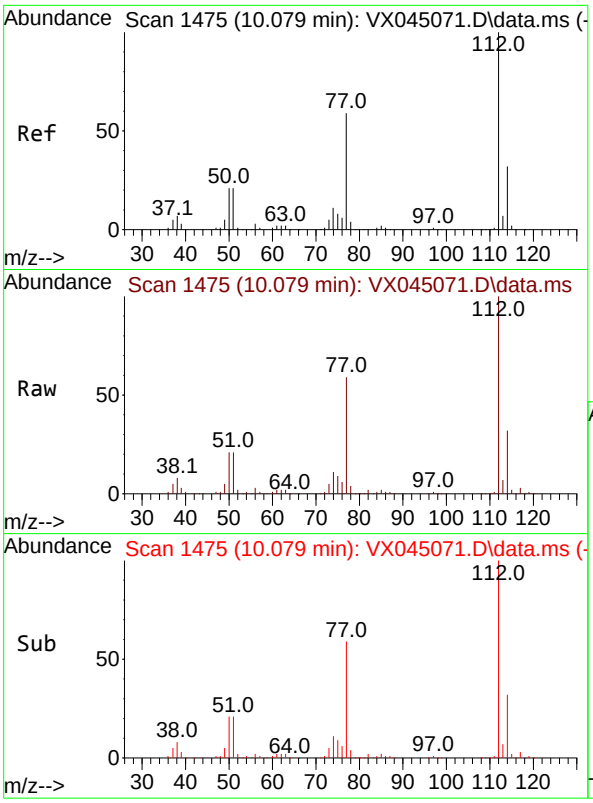


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:164 Resp: 52531

Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	103.4	82.7	124.1
131	100.6	80.5	120.7

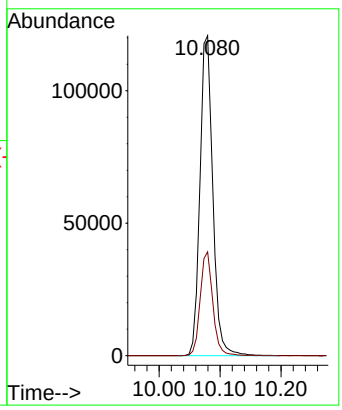




#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:112 Resp: 17692

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
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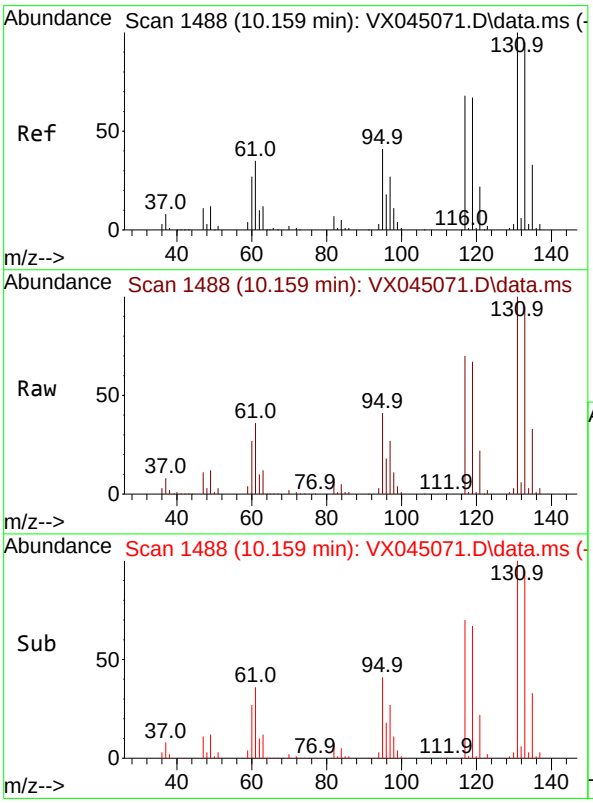
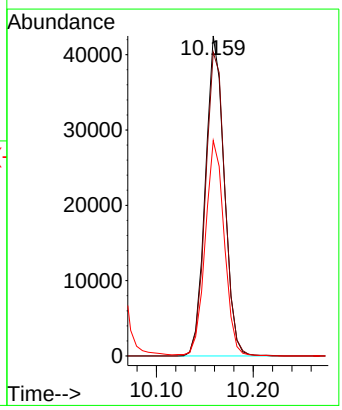
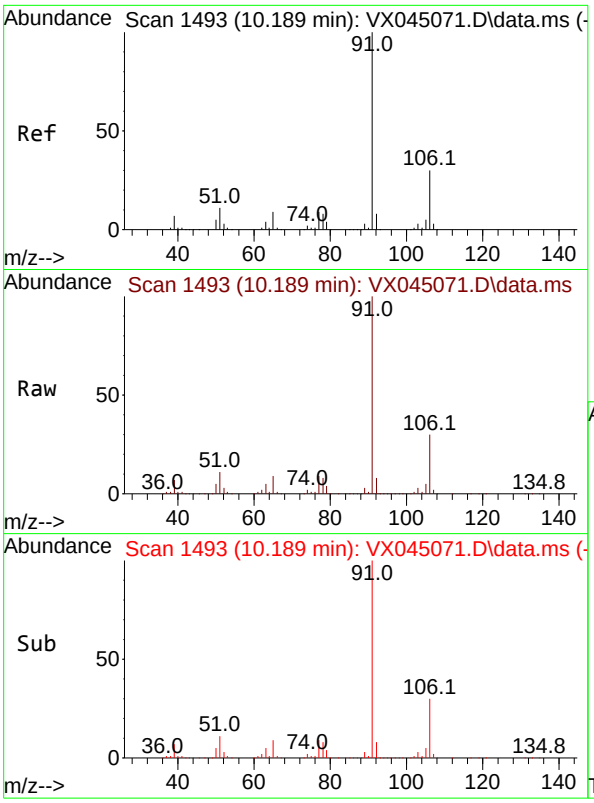


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:131 Resp: 57642

Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.6	145.9
119	67.8	33.9	101.7

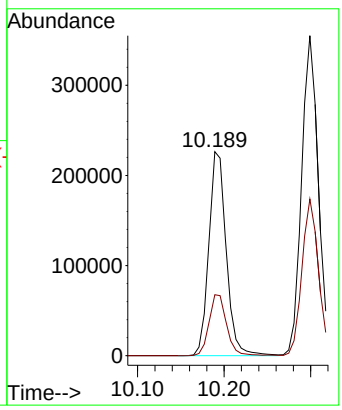




#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 31642

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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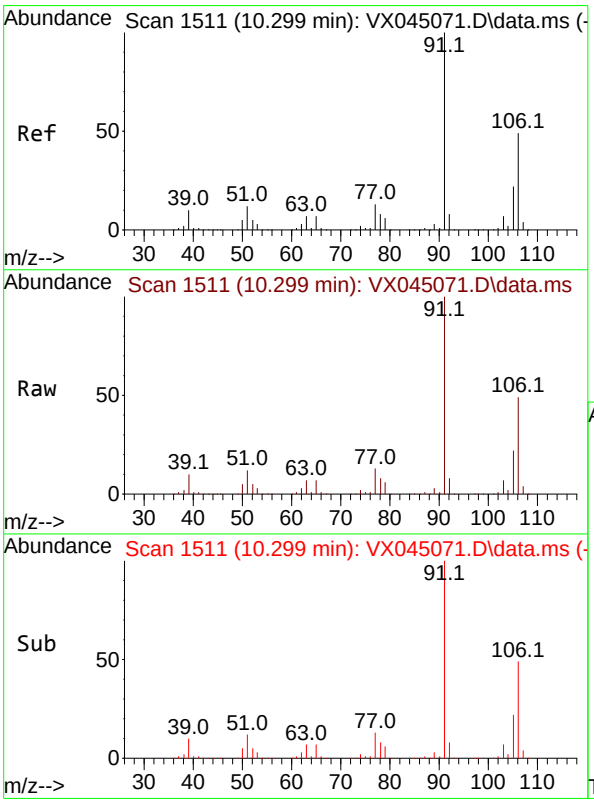
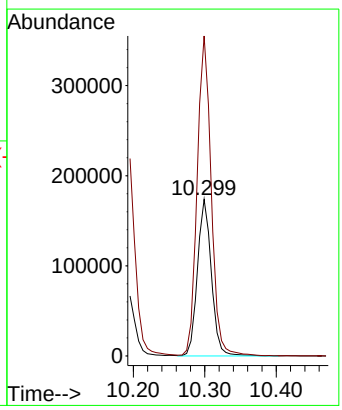
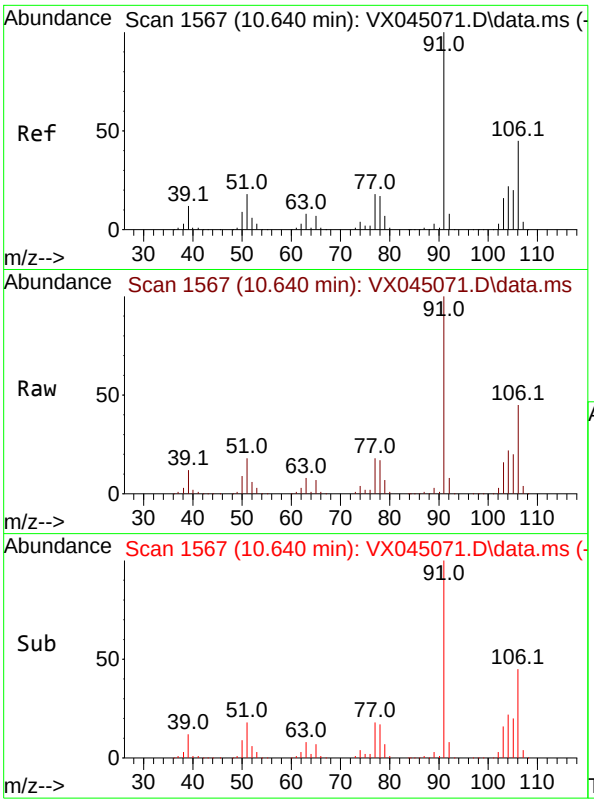


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0

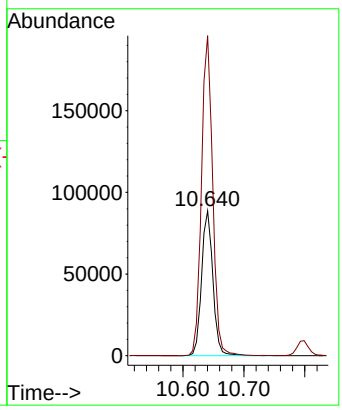




#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 11444

Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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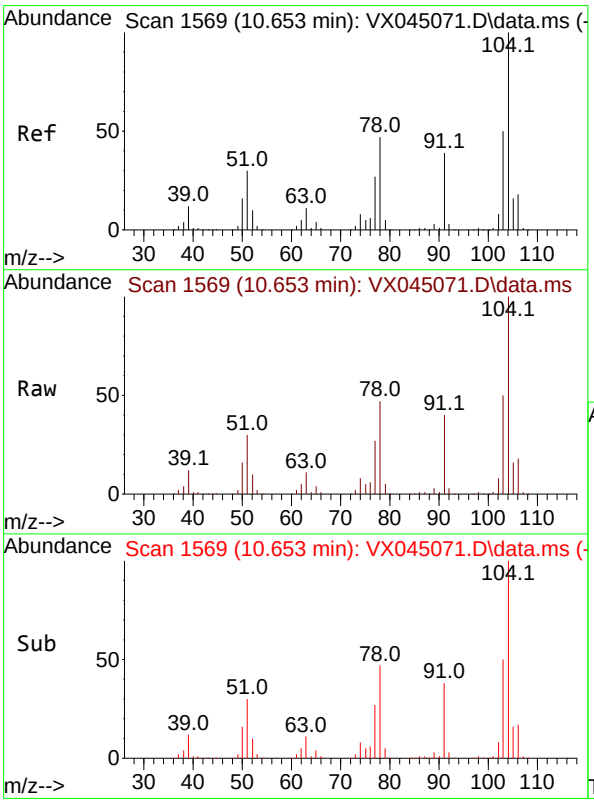
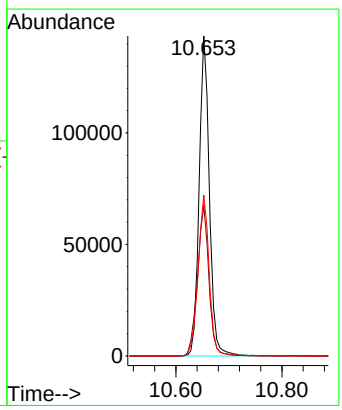
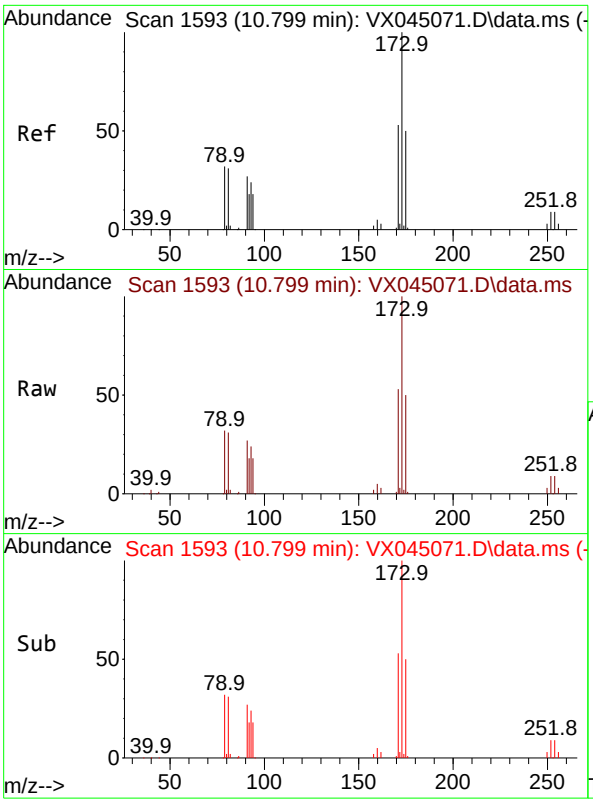


#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:104 Resp: 191406

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	54.8	43.8	65.8

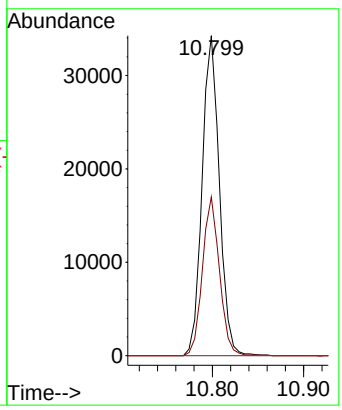




#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:173 Resp: 4473

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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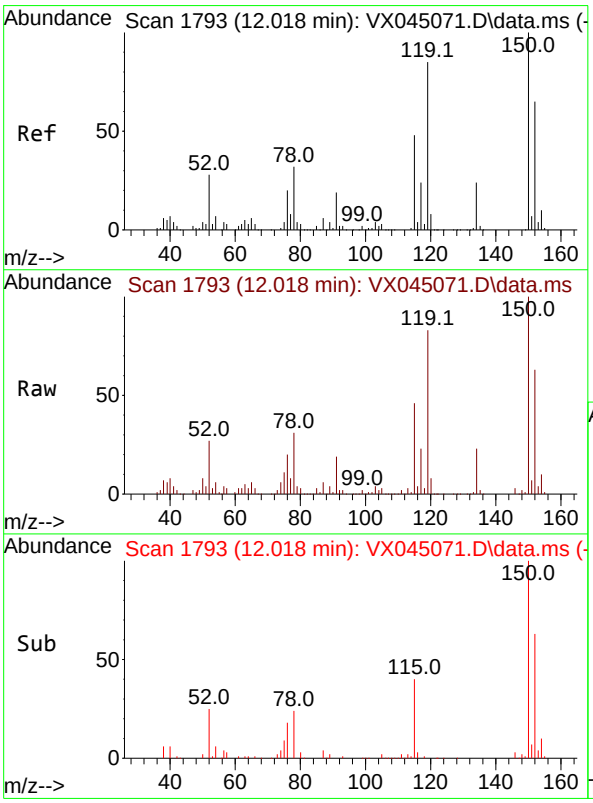
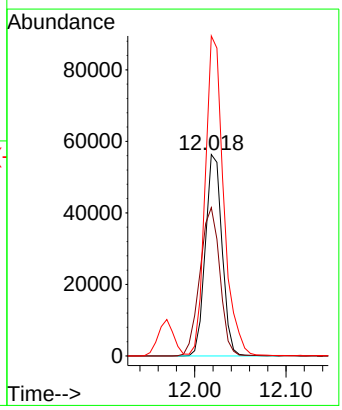
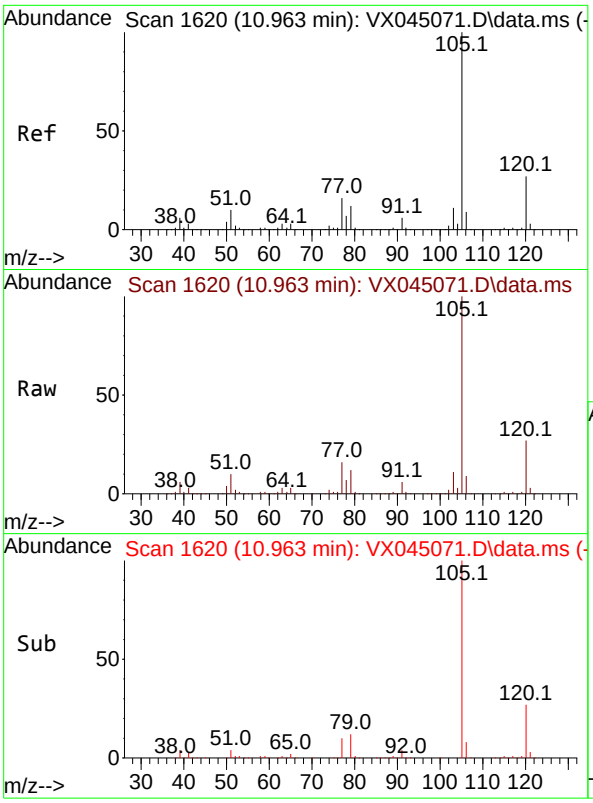


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:152 Resp: 71264

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.2	132.6
150	174.5	0.0	349.0

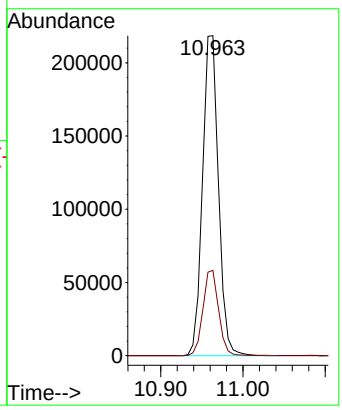




#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 29469

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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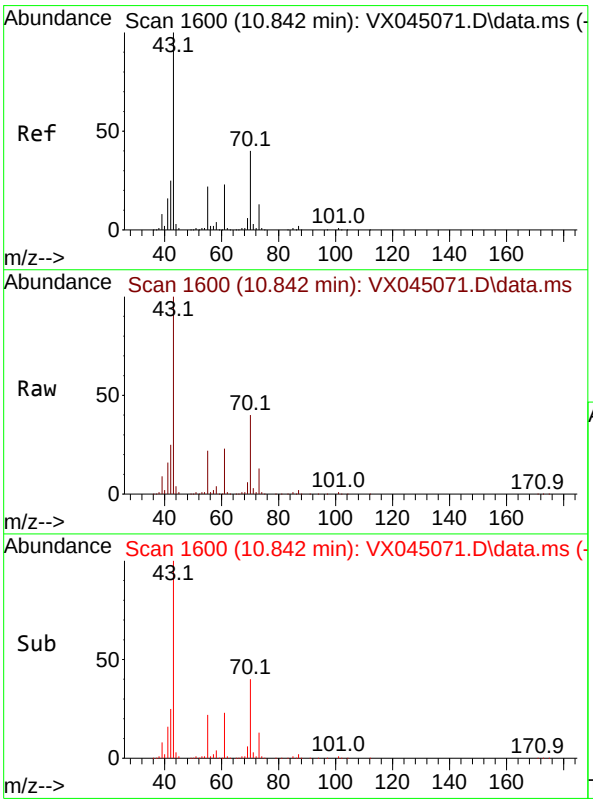
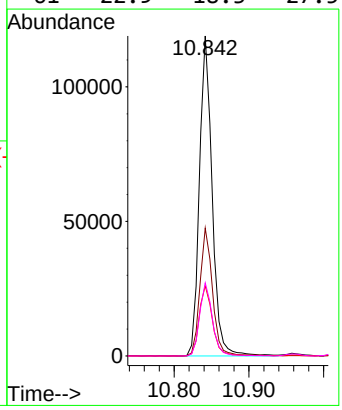
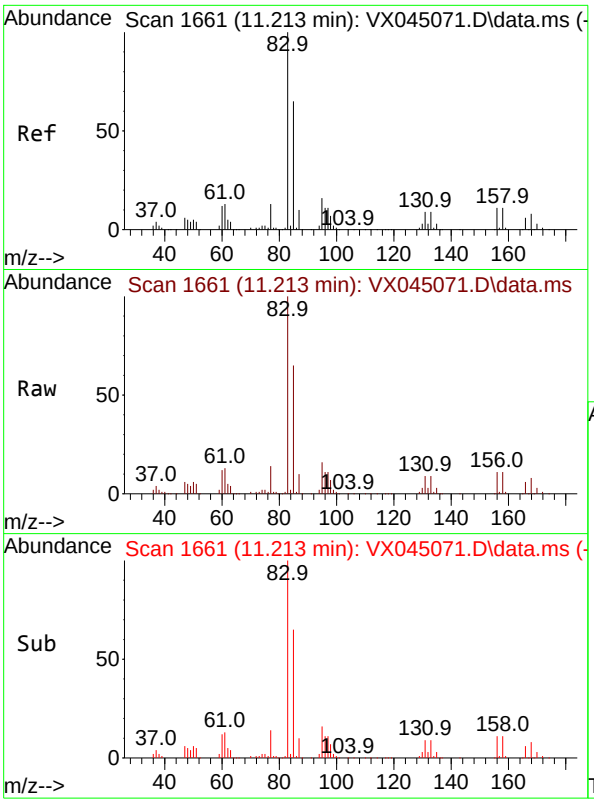


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 140869

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	22.9	18.3	27.5
61	22.9	18.3	27.5

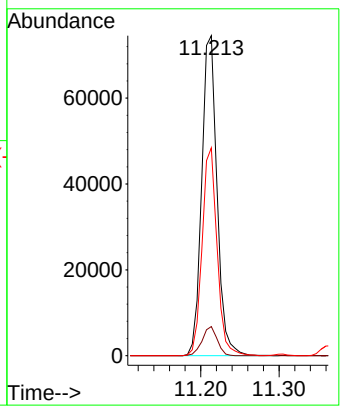




#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 10108

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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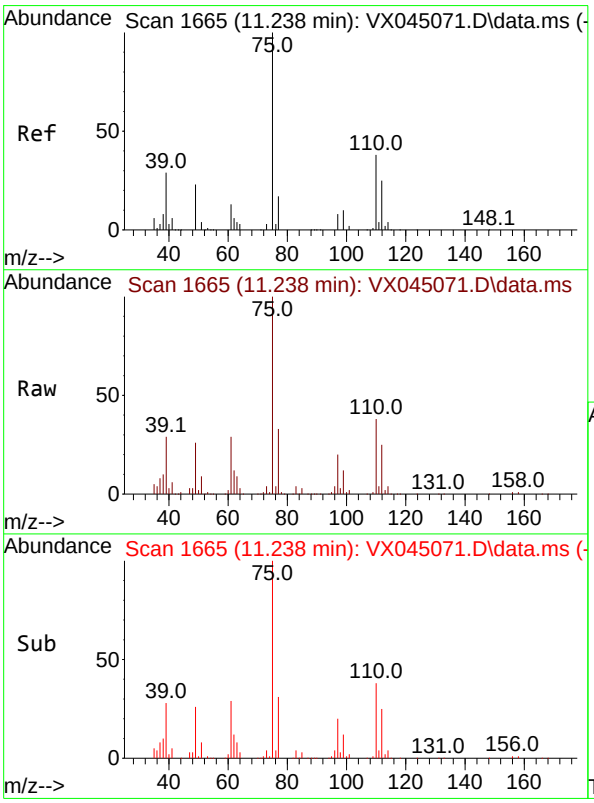
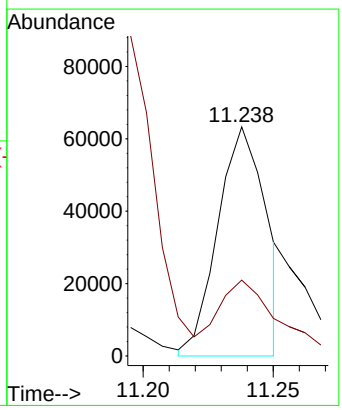
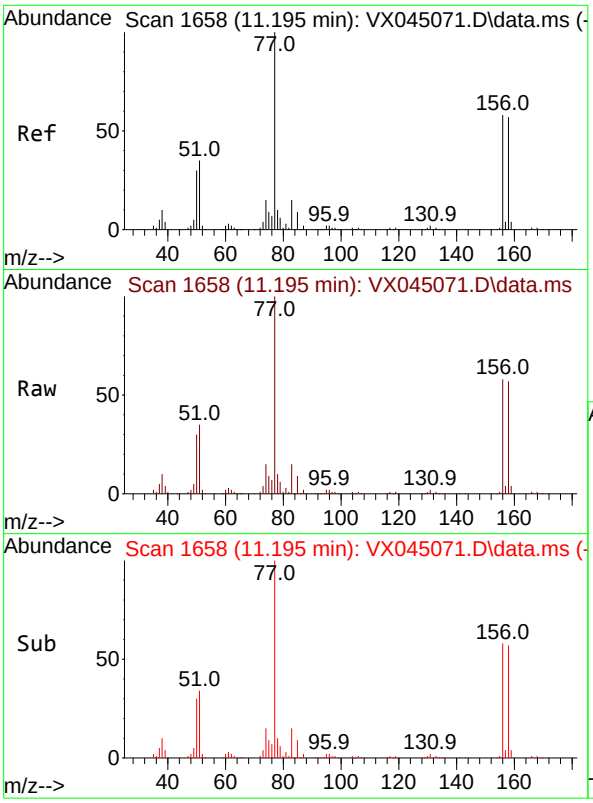


#76
1,2,3-Trichloropropane
Concen: 51.421 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 81743

Ion	Ratio	Lower	Upper
75	100		
77	41.4	20.7	62.1

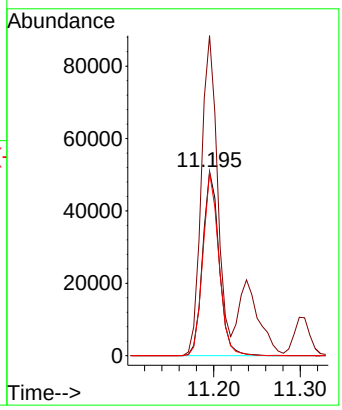




#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:156 Resp: 6690

Ion	Ratio	Lower	Upper
156	100		
77	171.6	85.8	257.4
158	96.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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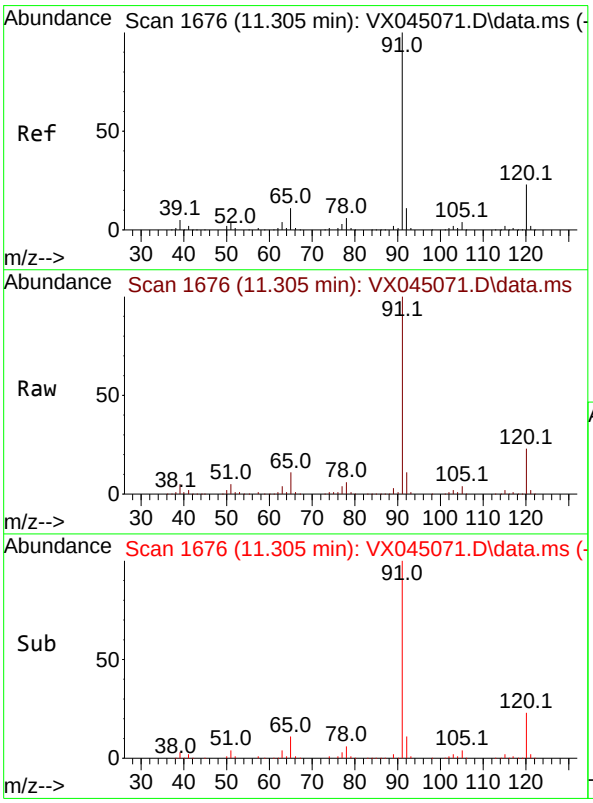
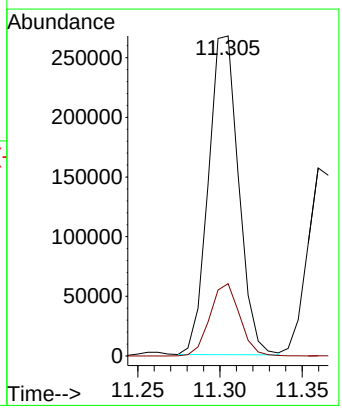
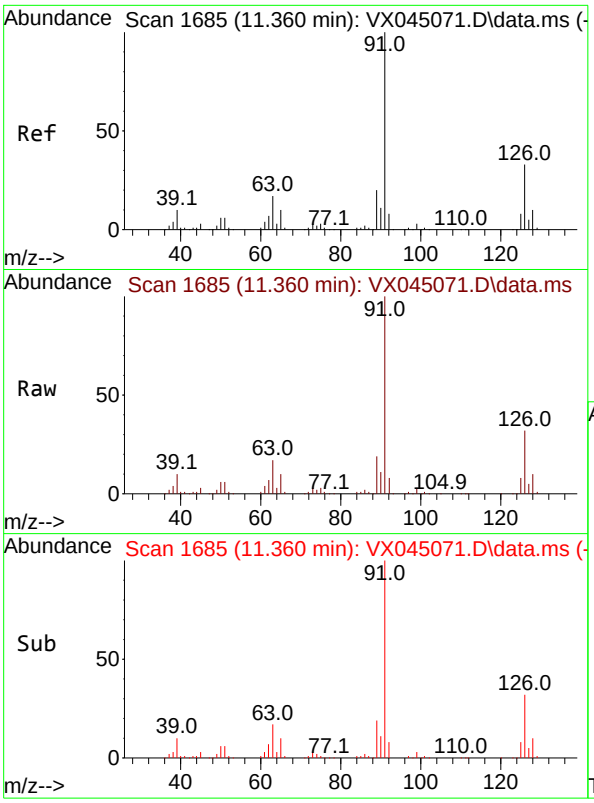


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6

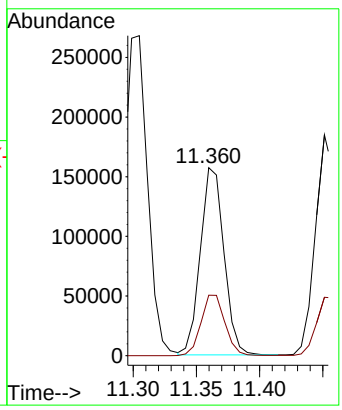




#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 20448

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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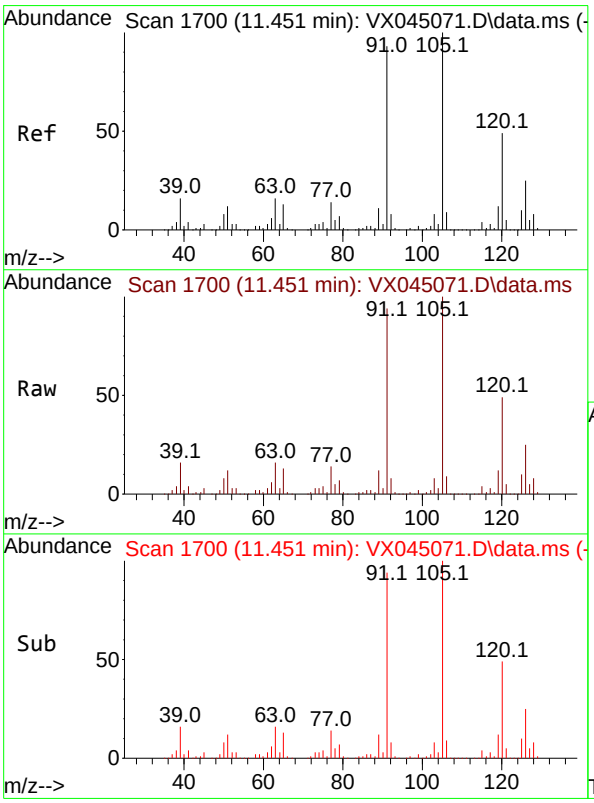
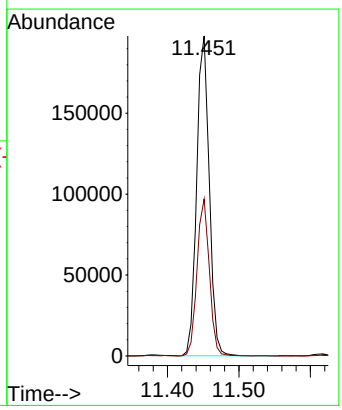
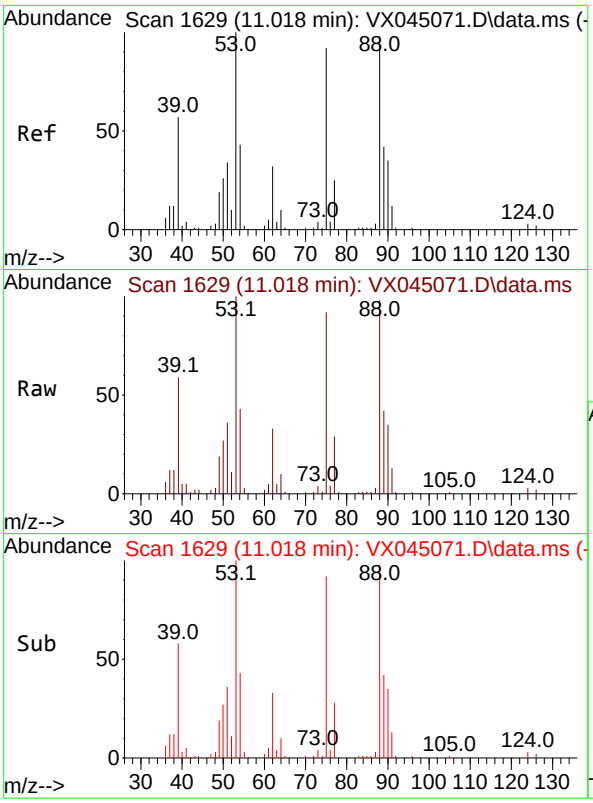


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 241129

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.1	72.2

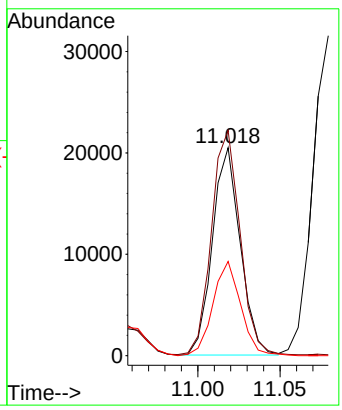




#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 2413

Ion	Ratio	Lower	Upper
75	100		
53	110.6	88.5	132.7
89	45.3	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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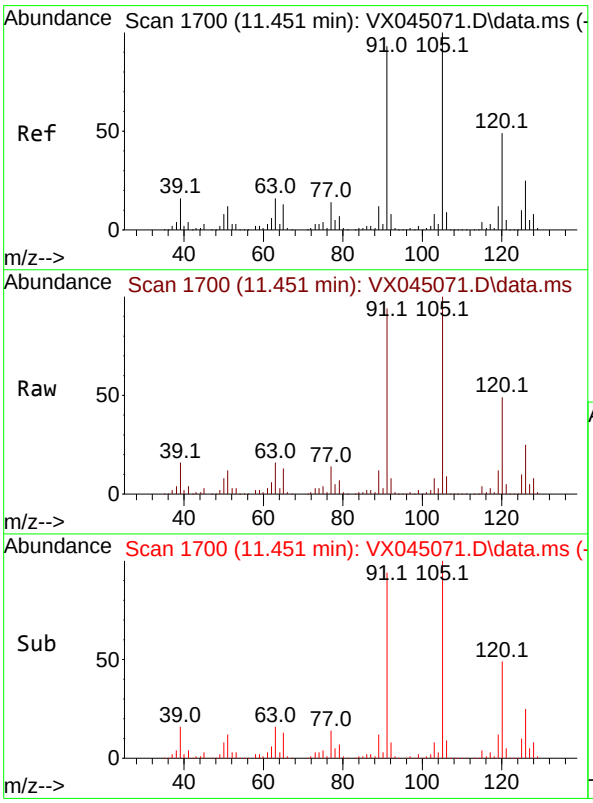
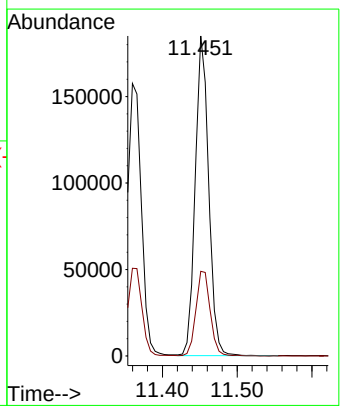
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

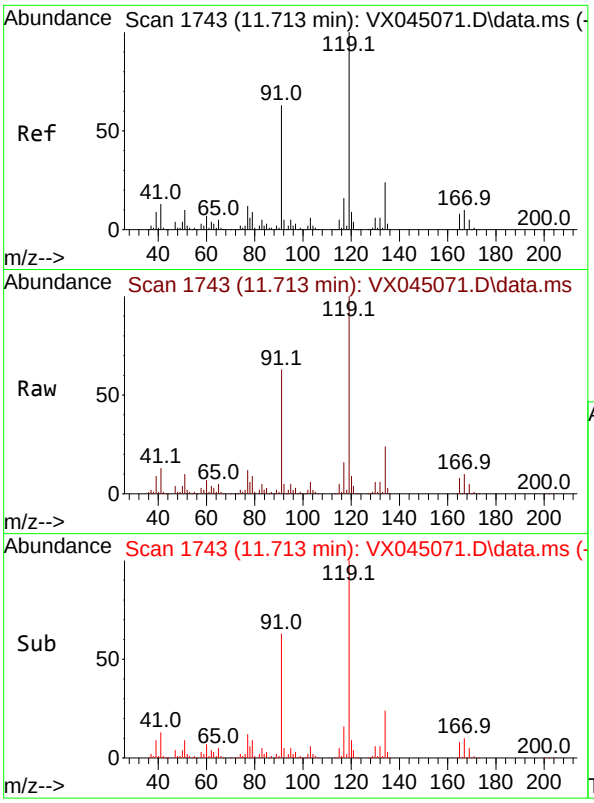


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

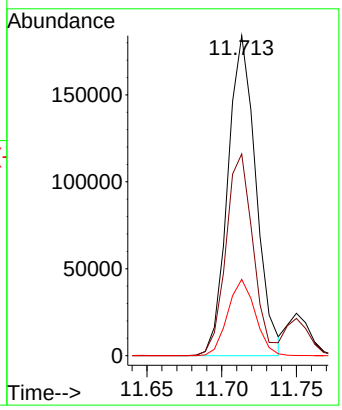




#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 24051

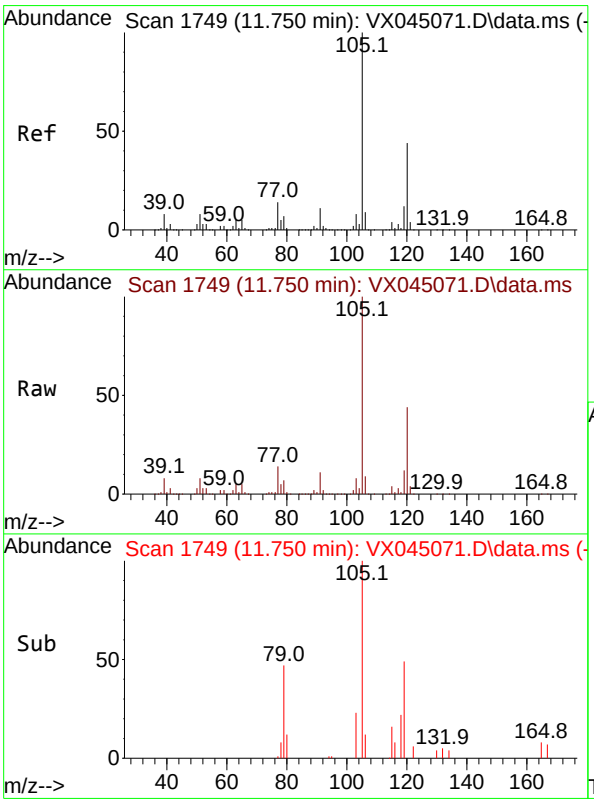
Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

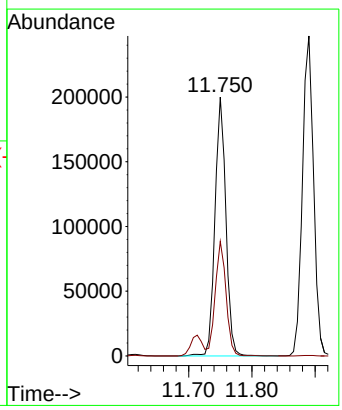
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

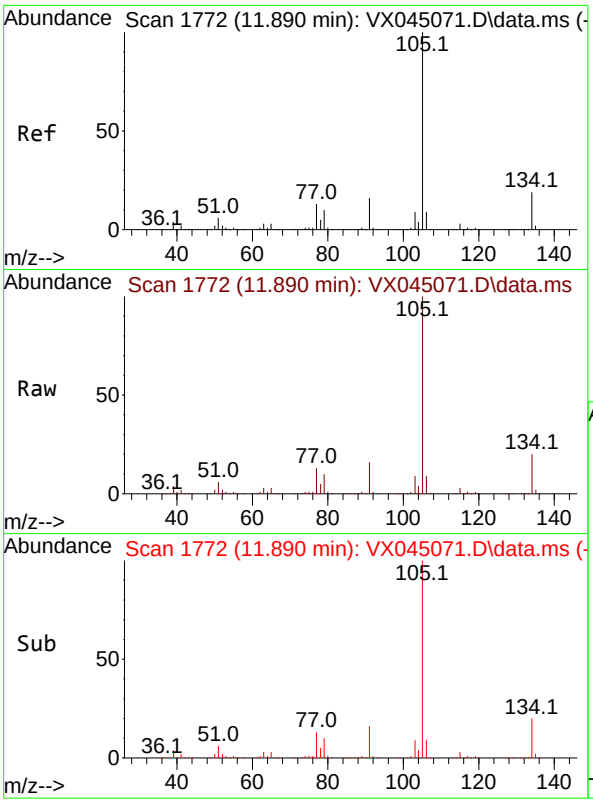


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1





#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

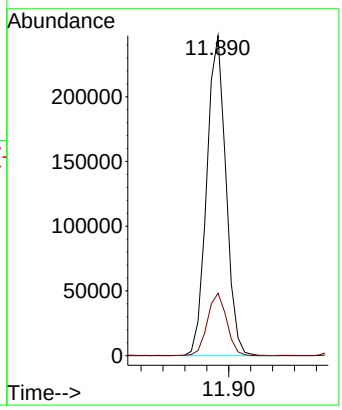
Tgt Ion:105 Resp: 30039

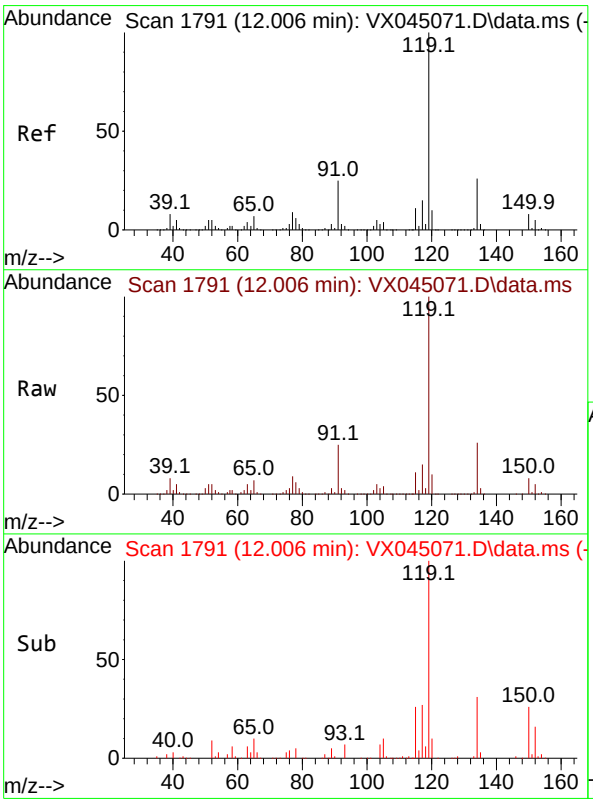
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

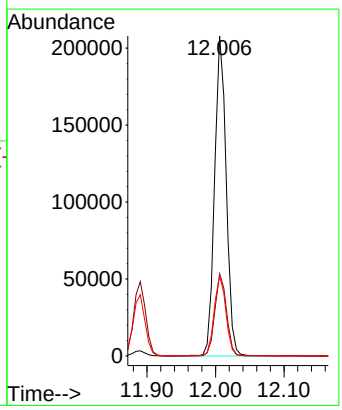


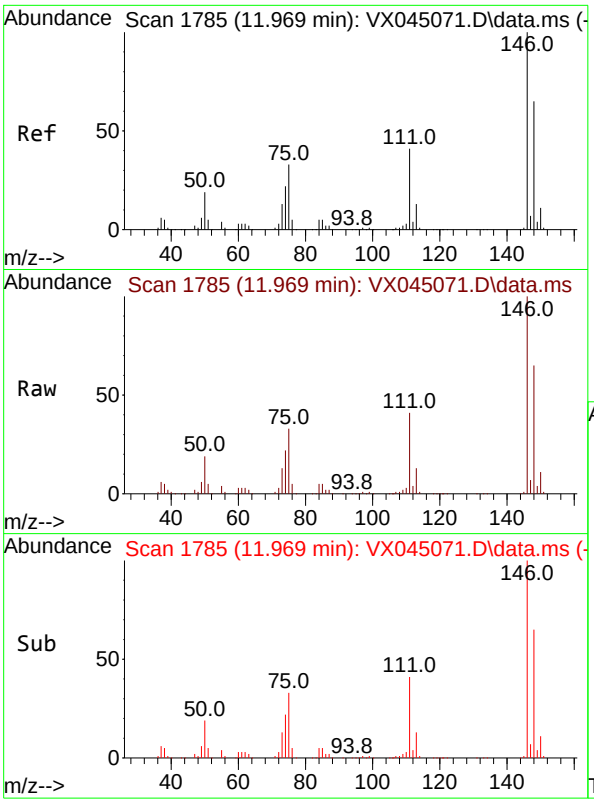


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 244031

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.3	12.7	38.0

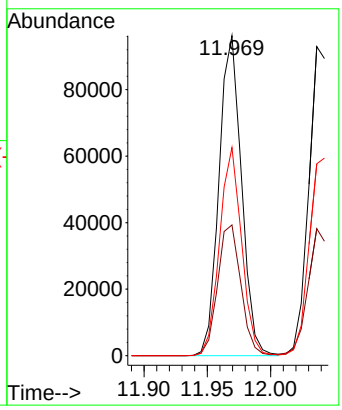




#87
1,3-Dichlorobenzene
Concen: 49.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 11887

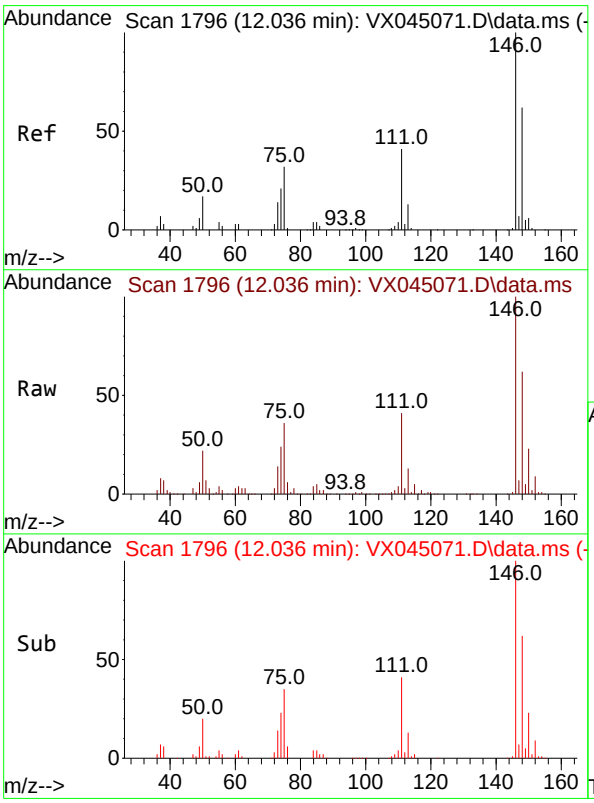
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

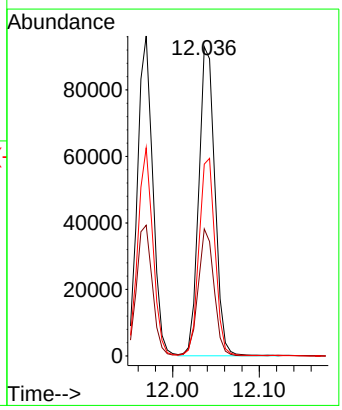
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

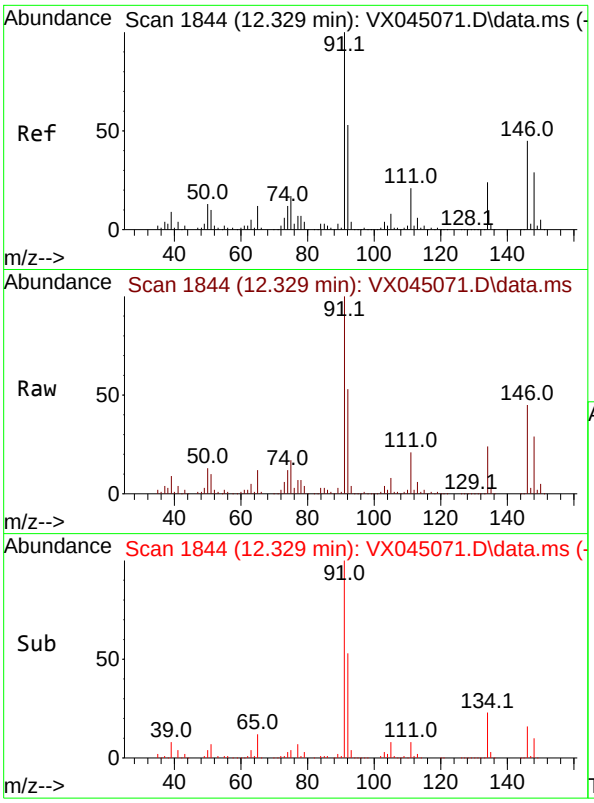


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 120217

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.9	31.9	95.9

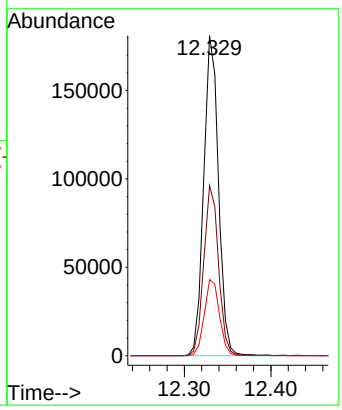




#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 21468

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
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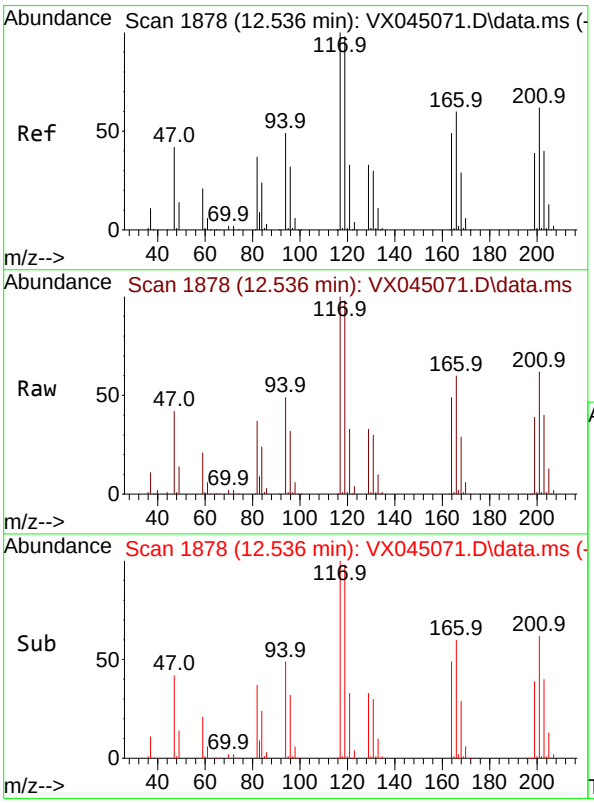
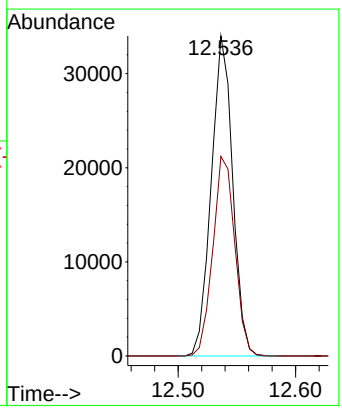
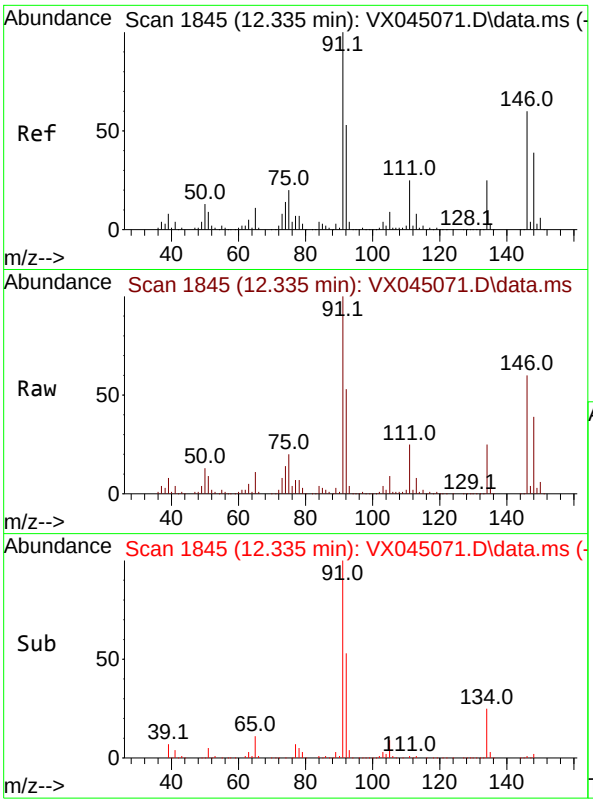


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9

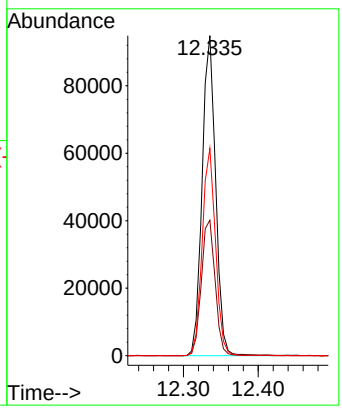




#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 11889

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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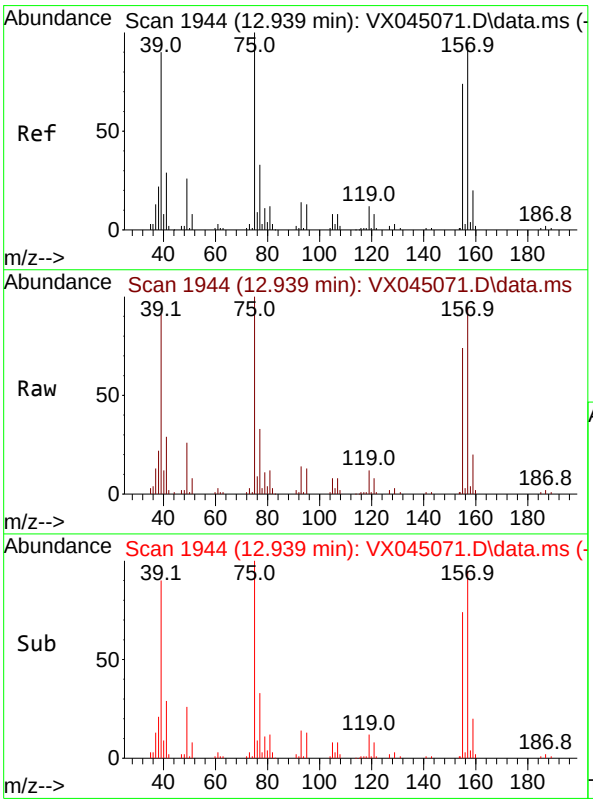
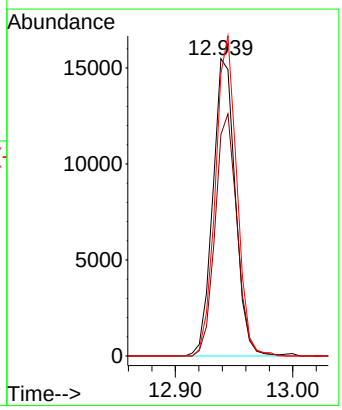
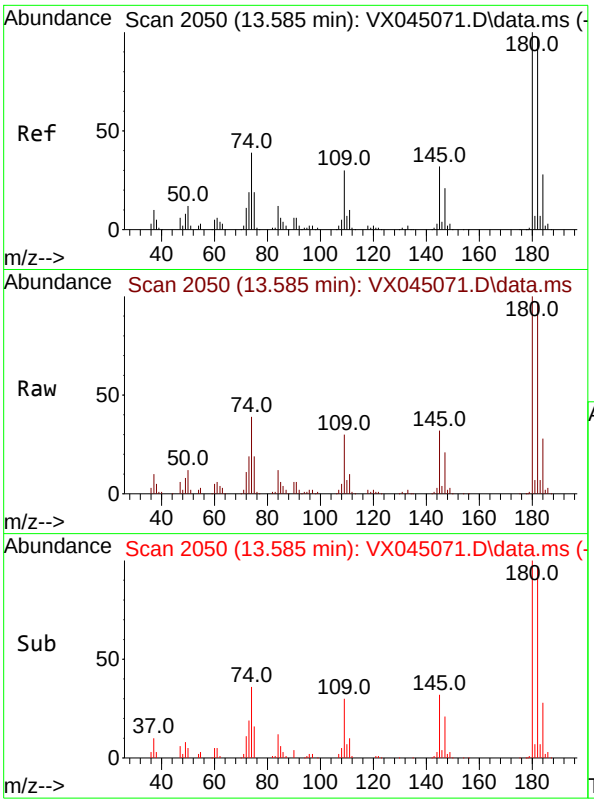


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.6	118.7
157	102.3	51.1	153.4

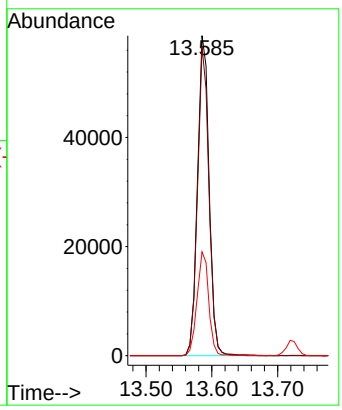




#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 7189

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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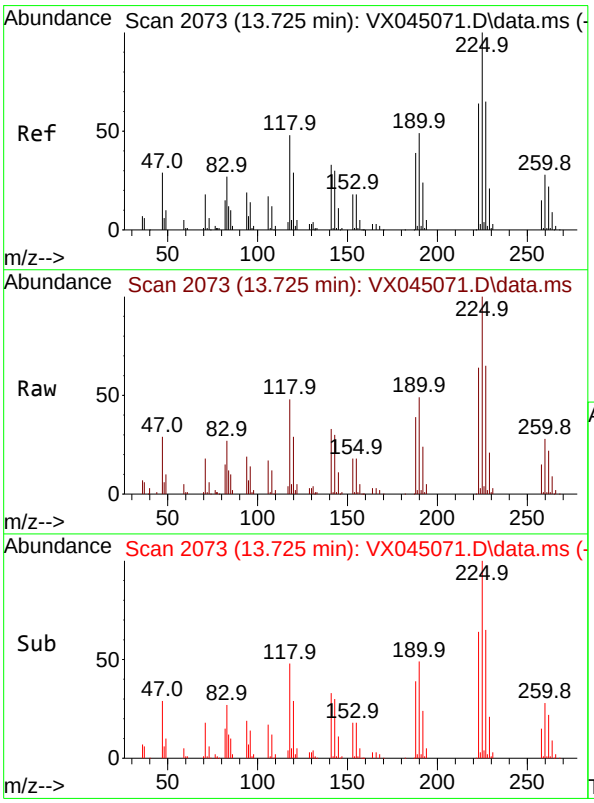
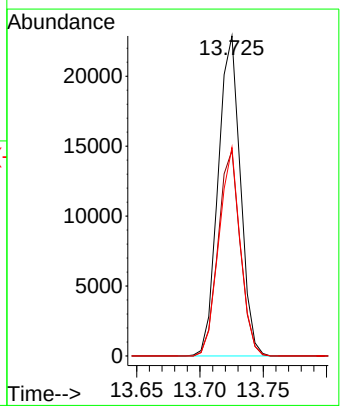
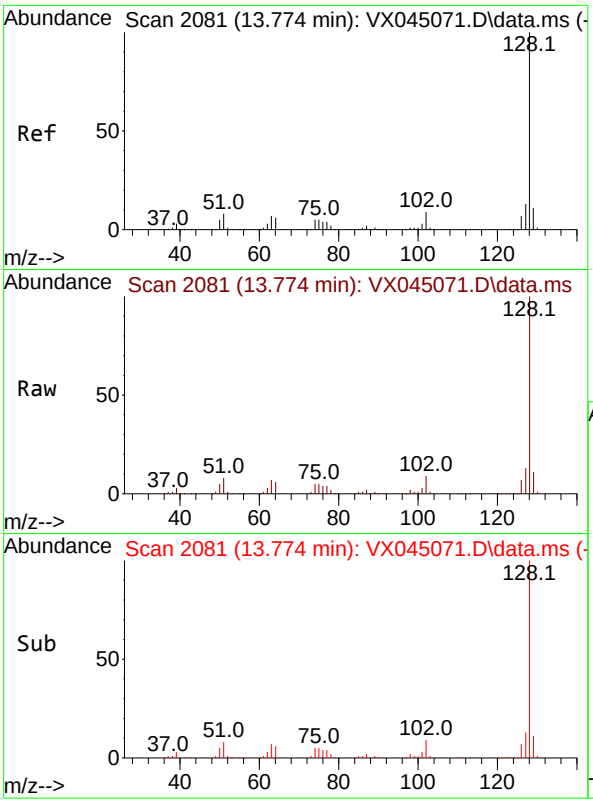


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:225 Resp: 27916

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	62.7	31.4	94.0

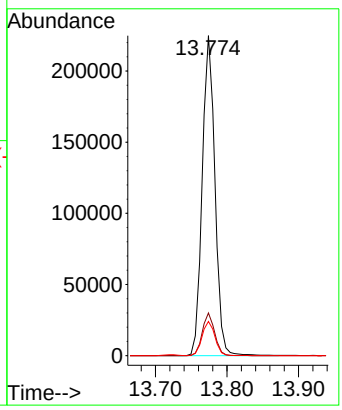




#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:128 Resp: 27808

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
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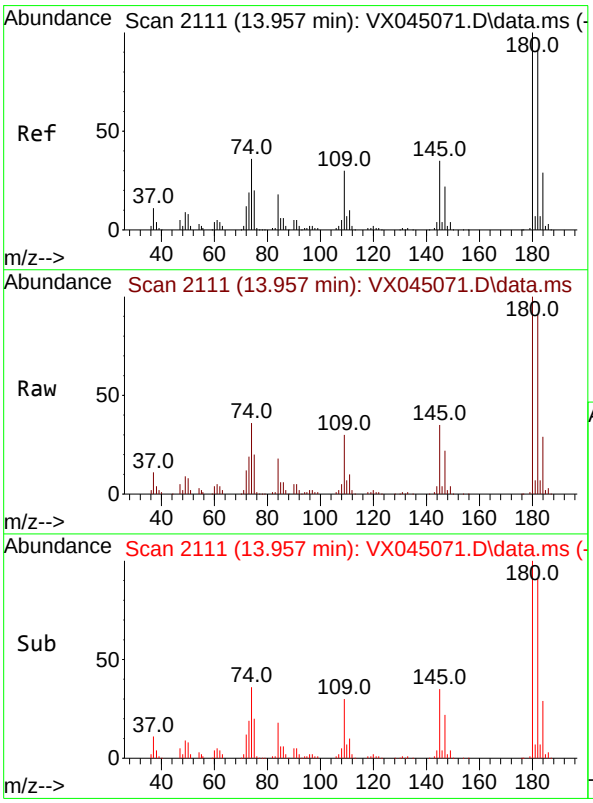
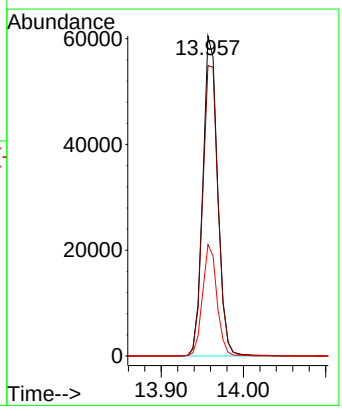


#96
1,2,3-Trichlorobenzene
Concen: 52.406 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 75482

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	33.9	17.0	50.9



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158452	106.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 212.020%#			
35) Dibromofluoromethane	5.385	113	123185	104.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.220%#			
50) Toluene-d8	8.647	98	441188	99.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.200%#			
62) 4-Bromofluorobenzene	11.079	95	148476	100.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	126718	90.869	ug/l	95
3) Chloromethane	1.306	50	145825	85.936	ug/l	98
4) Vinyl Chloride	1.373	62	154734	93.360	ug/l	96
5) Bromomethane	1.593	94	57503	110.980	ug/l	97
6) Chloroethane	1.660	64	60155	95.351	ug/l	97
7) Trichlorofluoromethane	1.861	101	198701	93.594	ug/l	99
8) Diethyl Ether	2.135	74	78263	101.441	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	120518	95.064	ug/l	98
10) Methyl Iodide	2.440	142	153466	94.425	ug/l	99
11) Tert butyl alcohol	3.001	59	135016	493.141	ug/l	98
12) 1,1-Dichloroethene	2.306	96	125436	96.366	ug/l	98
13) Acrolein	2.239	56	180411	608.485	ug/l	99
14) Allyl chloride	2.654	41	220783	94.344	ug/l	98
15) Acrylonitrile	3.068	53	391946	526.749	ug/l	100
16) Acetone	2.392	43	348698	566.991	ug/l	99
17) Carbon Disulfide	2.495	76	345572	97.574	ug/l	98
18) Methyl Acetate	2.709	43	175784	94.899	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	431413	103.661	ug/l	100
20) Methylene Chloride	2.782	84	140388	96.381	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	128232	100.164	ug/l	98
22) Diisopropyl ether	3.763	45	467534	104.489	ug/l	98
23) Vinyl Acetate	3.721	43	2035880	554.219	ug/l	99
24) 1,1-Dichloroethane	3.605	63	257023	102.805	ug/l	100
25) 2-Butanone	4.562	43	559182	563.952	ug/l	99
26) 2,2-Dichloropropane	4.470	77	124805	67.148	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	155193	100.568	ug/l	99
28) Bromochloromethane	4.897	49	113848	94.428	ug/l	98
29) Tetrahydrofuran	5.007	42	365565	556.465	ug/l	100
30) Chloroform	5.092	83	248978	101.814	ug/l	97
31) Cyclohexane	5.464	56	231082	100.711	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	211302	102.638	ug/l	99
36) 1,1-Dichloropropene	5.690	75	172295	101.258	ug/l	99
37) Ethyl Acetate	4.720	43	220327	113.796	ug/l	99
38) Carbon Tetrachloride	5.671	117	177219	105.940	ug/l	97
39) Methylcyclohexane	7.372	83	219856	101.175	ug/l	99
40) Benzene	6.031	78	541974	101.908	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	120186	116.205 ug/l		98
42) 1,2-Dichloroethane	6.086	62	189857	110.158 ug/l		99
43) Isopropyl Acetate	6.342	43	338414	109.806 ug/l		99
44) Trichloroethene	7.122	130	128124	105.402 ug/l		96
45) 1,2-Dichloropropane	7.427	63	135997	102.898 ug/l		100
46) Dibromomethane	7.580	93	97248	105.329 ug/l		99
47) Bromodichloromethane	7.817	83	191016	106.947 ug/l		97
48) Methyl methacrylate	7.695	41	165825	113.344 ug/l		99
49) 1,4-Dioxane	7.665	88	66308	2132.314 ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	1048140	555.050 ug/l		99
52) Toluene	8.714	92	316349	100.178 ug/l		100
53) t-1,3-Dichloropropene	8.976	75	177352	100.462 ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	200943	101.815 ug/l		98
55) 1,1,2-Trichloroethane	9.146	97	123426	100.920 ug/l		99
56) Ethyl methacrylate	9.116	69	208782	106.744 ug/l		100
57) 1,3-Dichloropropane	9.305	76	216267	101.387 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	494551	514.987 ug/l		99
59) 2-Hexanone	9.433	43	779492	572.233 ug/l		99
60) Dibromochloromethane	9.518	129	139245	106.719 ug/l		99
61) 1,2-Dibromoethane	9.610	107	128617	104.259 ug/l		99
64) Tetrachloroethene	9.268	164	99386	103.491 ug/l		98
65) Chlorobenzene	10.079	112	332473	102.456 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	112451	107.511 ug/l		96
67) Ethyl Benzene	10.189	91	596257	103.905 ug/l		100
68) m/p-Xylenes	10.299	106	432214	204.507 ug/l		99
69) o-Xylene	10.640	106	213835	100.849 ug/l		99
70) Styrene	10.652	104	357649	104.948 ug/l		99
71) Bromoform	10.799	173	90800	116.751 ug/l	#	99
73) Isopropylbenzene	10.963	105	553533	99.138 ug/l		99
74) N-amyl acetate	10.841	43	287104	113.277 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	192217	99.923 ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	156259m	101.395 ug/l		
77) Bromobenzene	11.195	156	125700	99.175 ug/l		97
78) n-propylbenzene	11.305	91	648835	100.758 ug/l		99
79) 2-Chlorotoluene	11.359	91	382703	96.825 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	445466	98.356 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	51975	91.460 ug/l		99
82) 4-Chlorotoluene	11.451	91	433881	99.168 ug/l		100
83) tert-Butylbenzene	11.713	119	454859	99.288 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	450108	100.926 ug/l		99
85) sec-Butylbenzene	11.890	105	570006	100.517 ug/l		100
86) p-Isopropyltoluene	12.006	119	465512	102.252 ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	231440	99.903 ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	230663	98.355 ug/l		99
89) n-Butylbenzene	12.329	91	428209	107.000 ug/l		99
90) Hexachloroethane	12.536	117	87448	102.980 ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	233125	102.254 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41402	116.296 ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	148368	107.648 ug/l		99
94) Hexachlorobutadiene	13.725	225	56065	102.019 ug/l		99
95) Naphthalene	13.774	128	565250	112.593 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	152970	109.554 ug/l		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

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

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

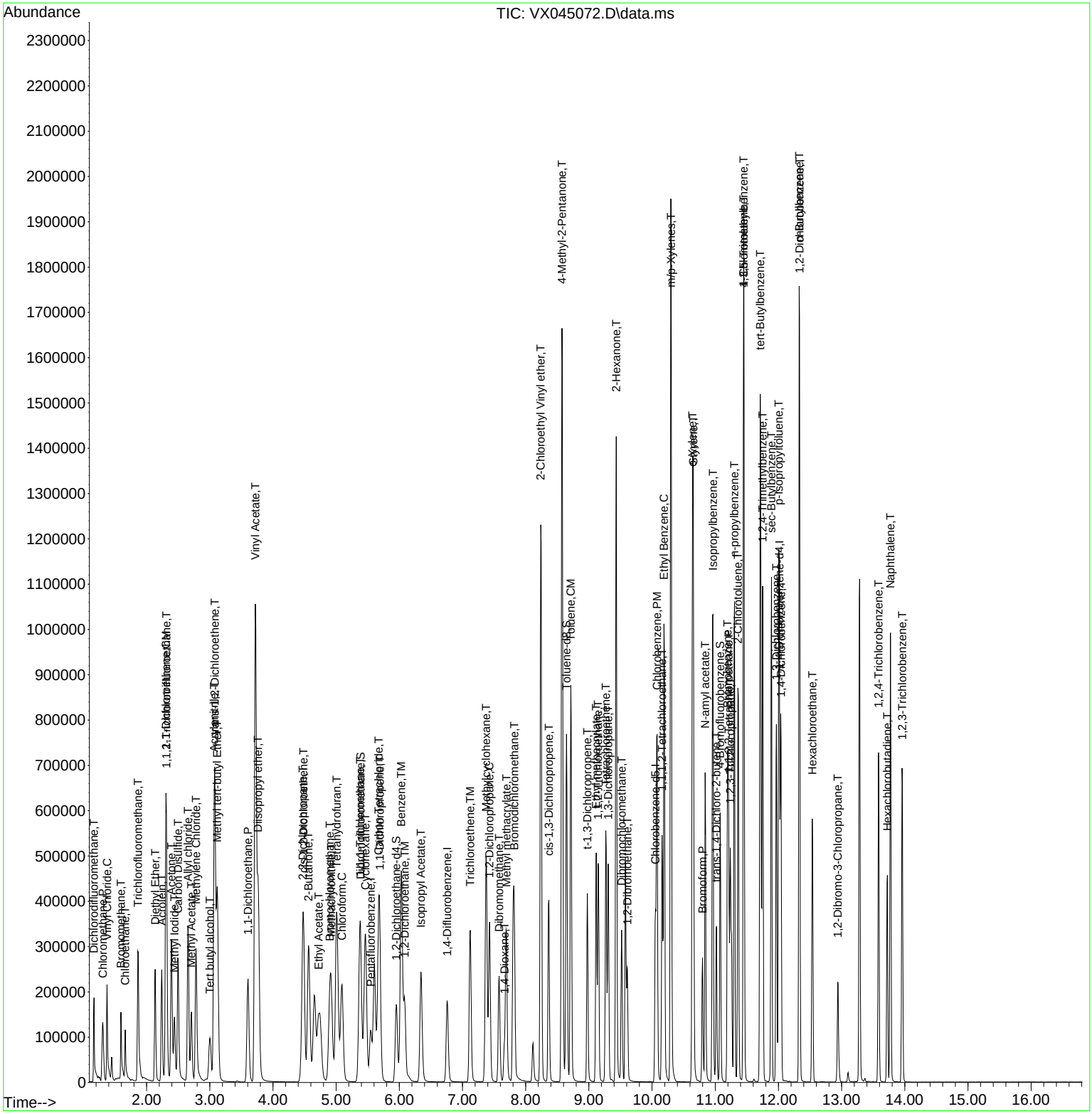
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

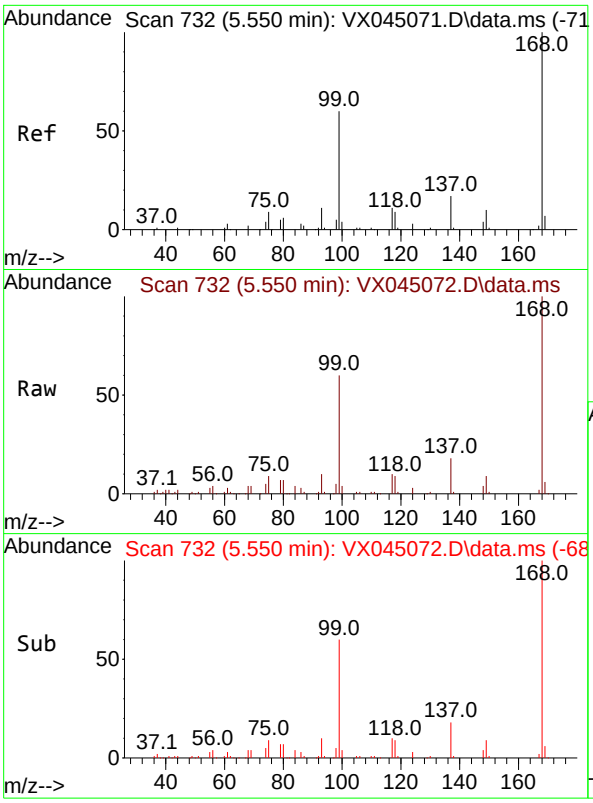
Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

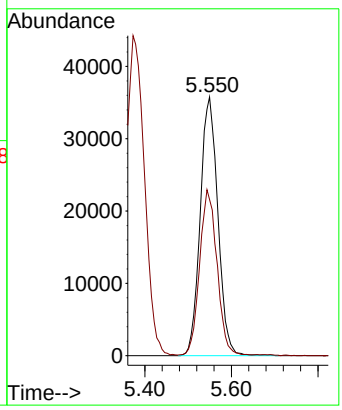




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:168 Resp: 10117

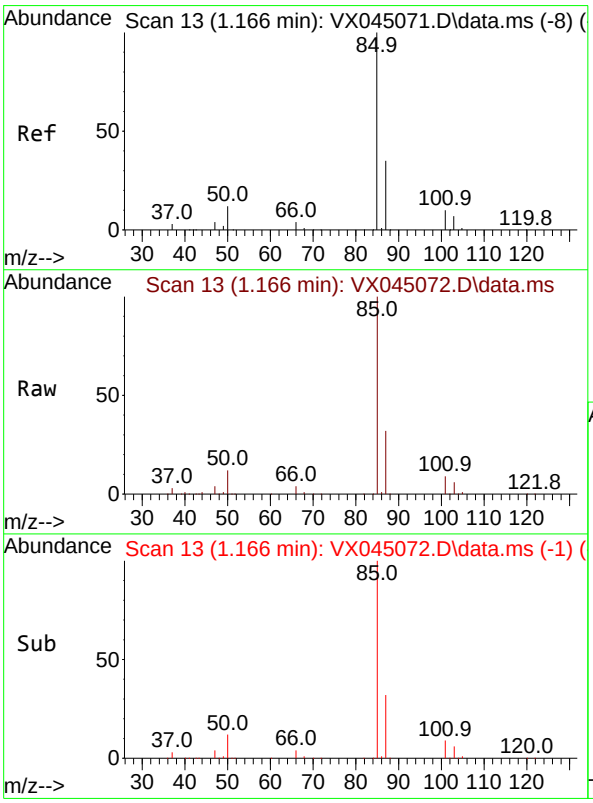
Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

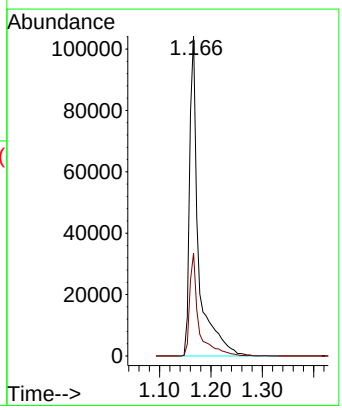
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

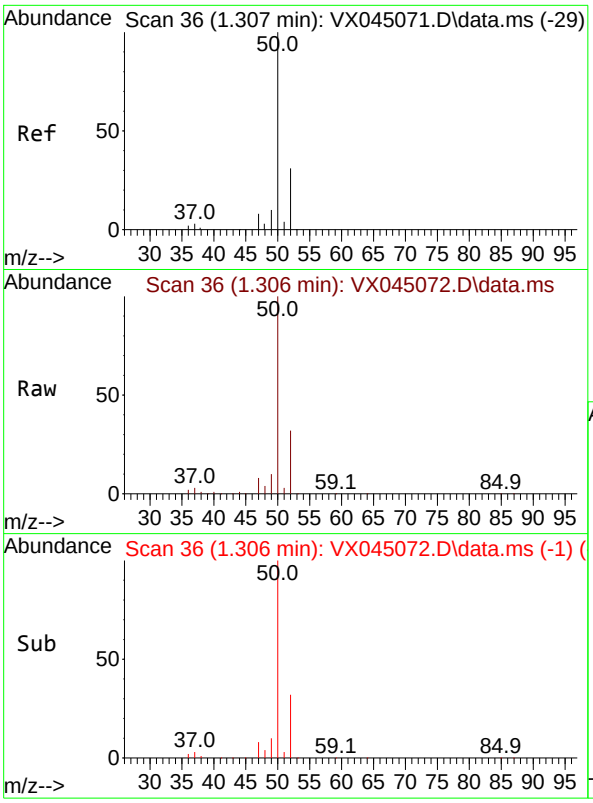


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3

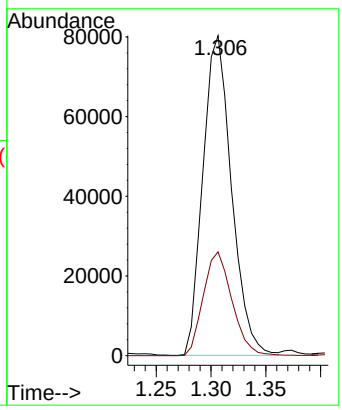




#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 50 Resp: 14582

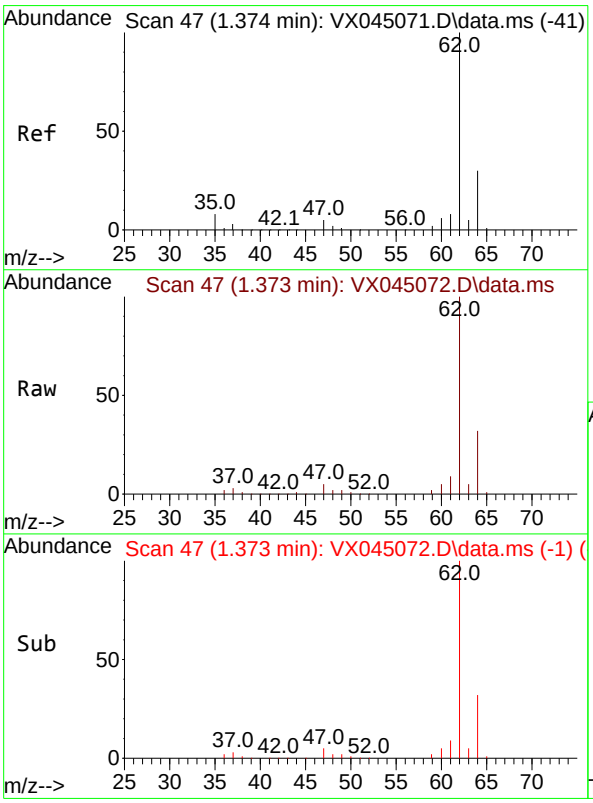
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

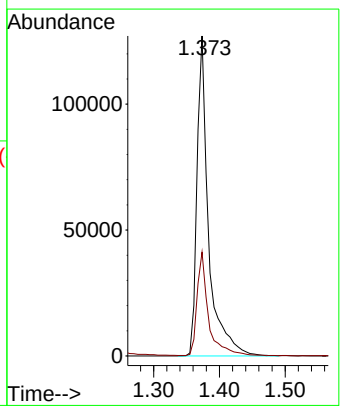
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

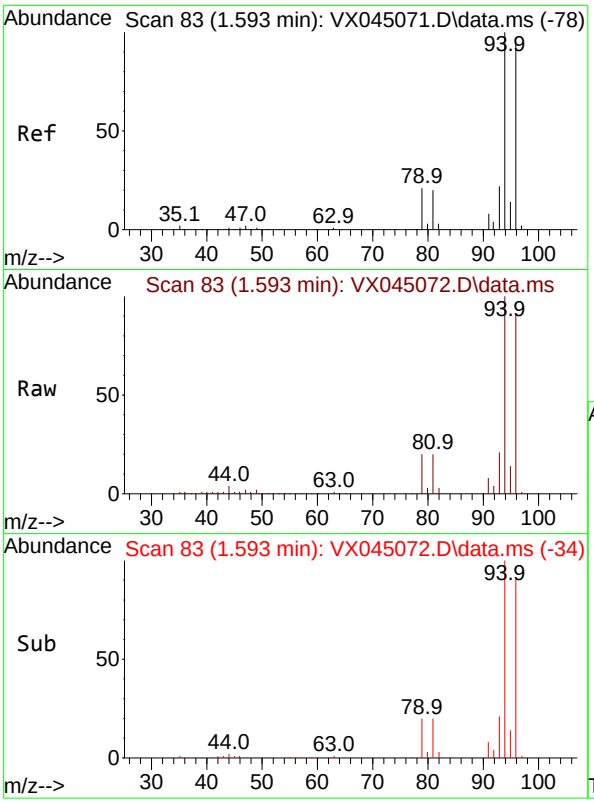


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5

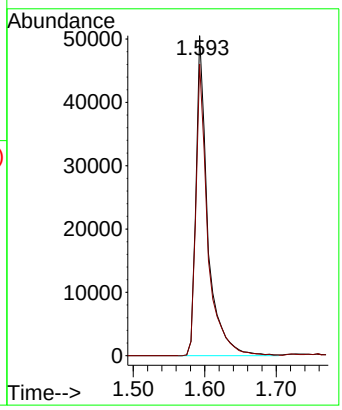




#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 94 Resp: 5750

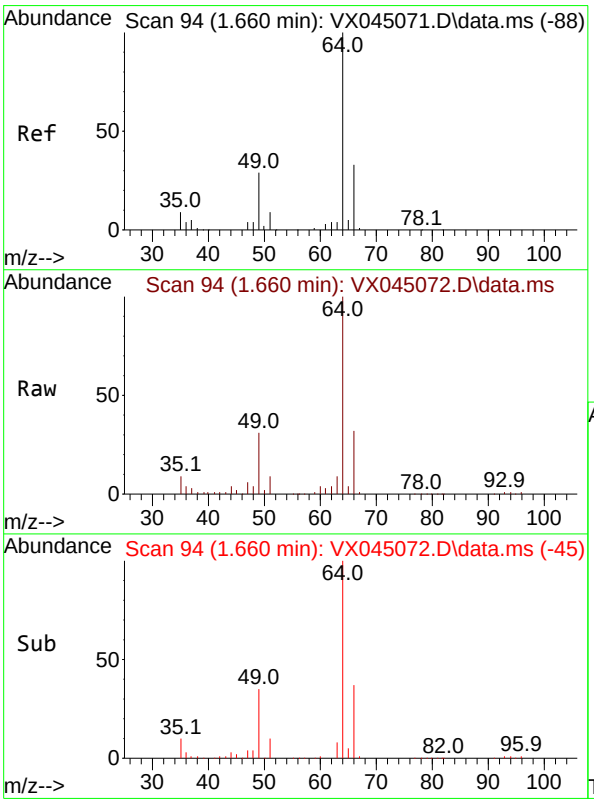
Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

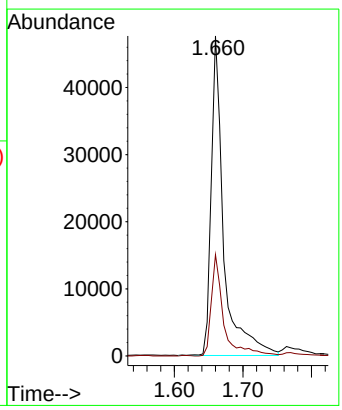
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

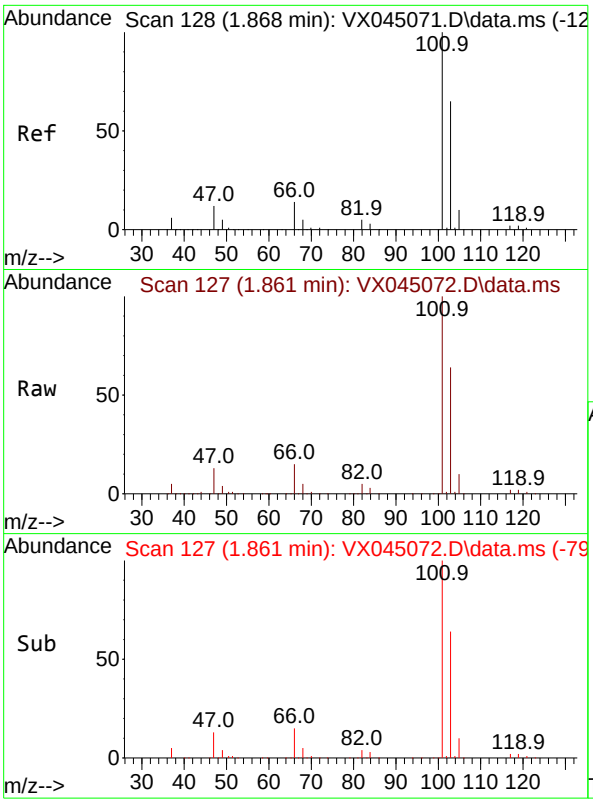


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 64 Resp: 60155

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.7	40.1

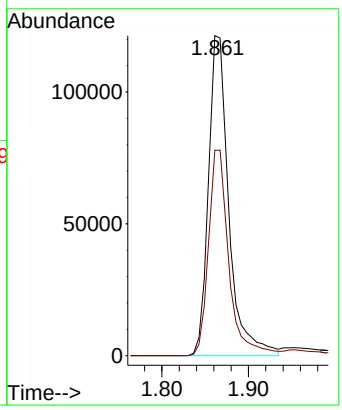




#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:101 Resp: 19870

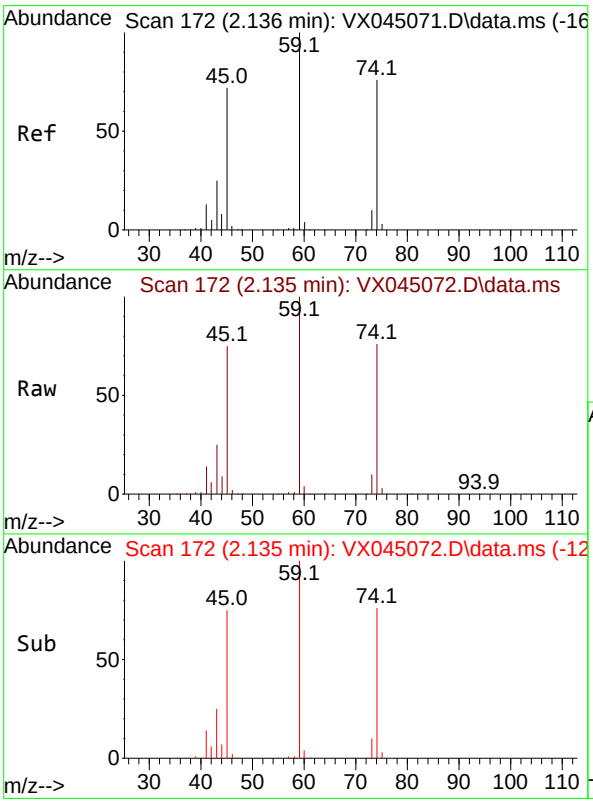
Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

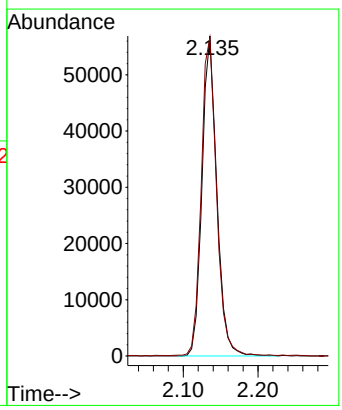
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

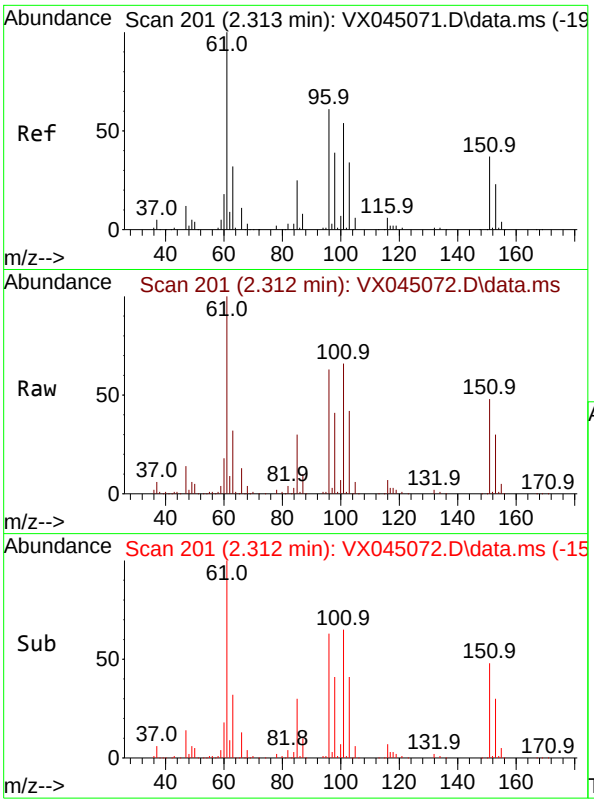


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 74 Resp: 78263

Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

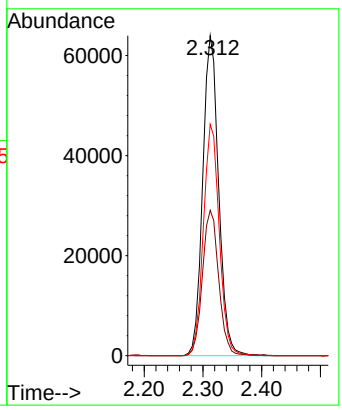
Tgt Ion:101 Resp: 12051

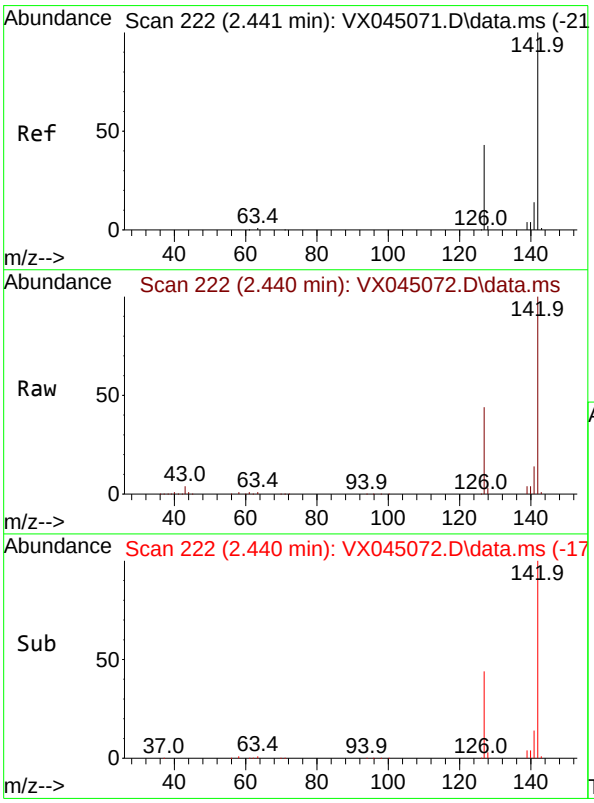
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	72.4	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

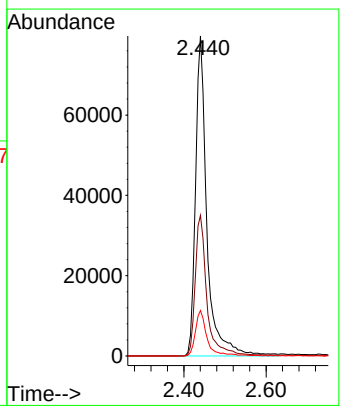


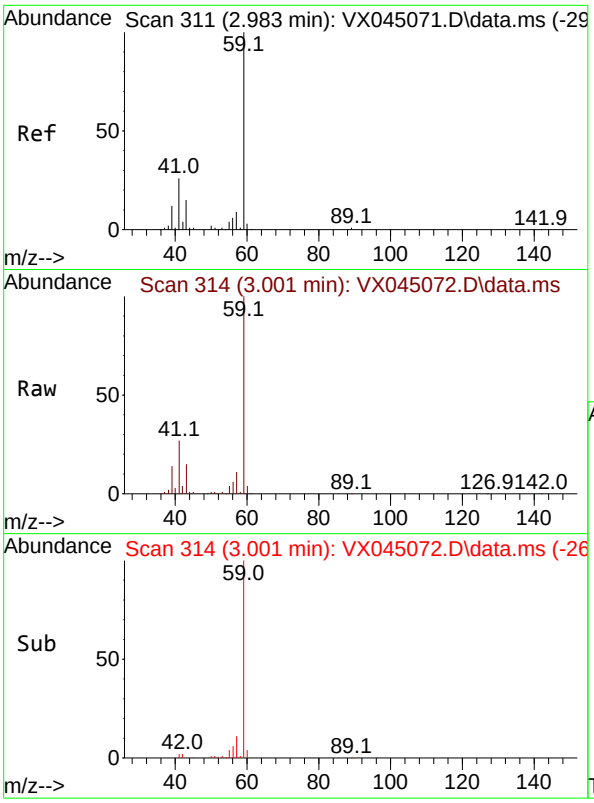


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:142 Resp: 153466

Ion	Ratio	Lower	Upper
142	100		
127	45.0	35.4	53.2
141	14.4	11.6	17.4

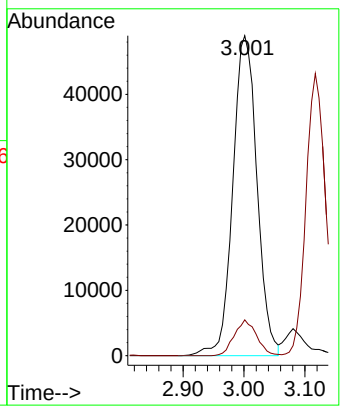




#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 59 Resp: 13501

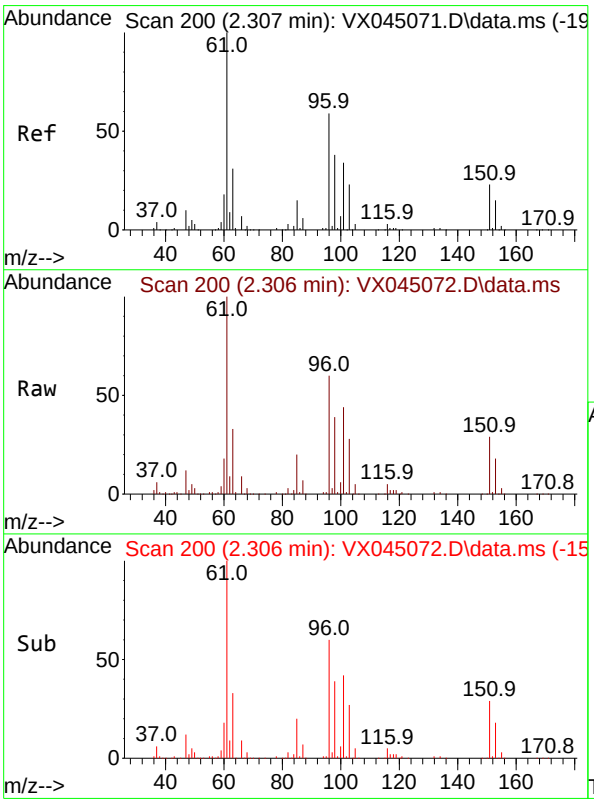
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

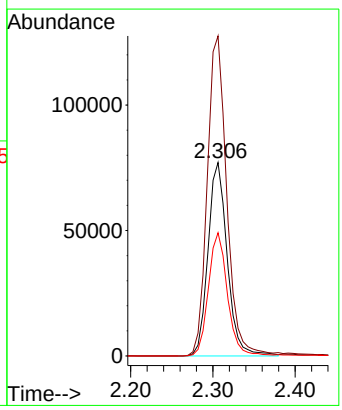
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

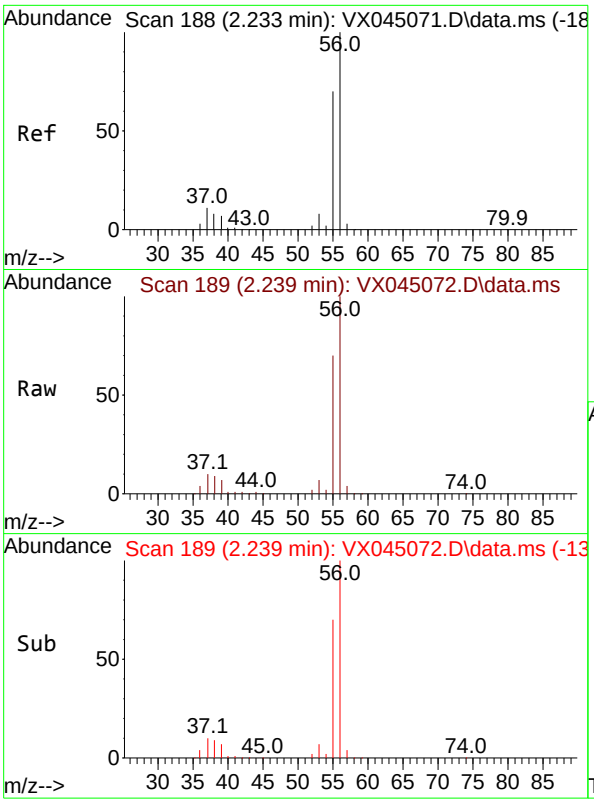


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 125436

Ion	Ratio	Lower	Upper
96	100		
61	165.4	134.6	202.0
98	63.7	51.0	76.6

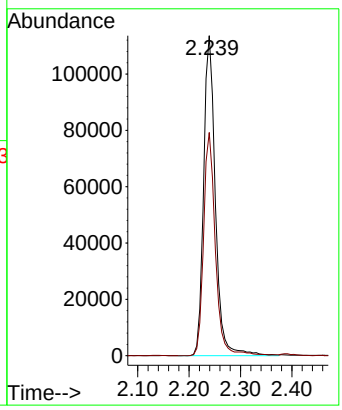




#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 18041

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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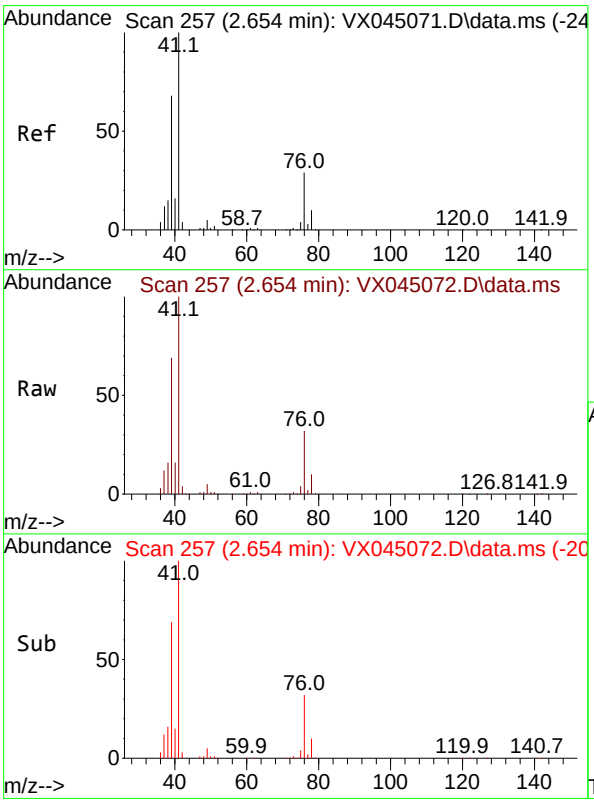
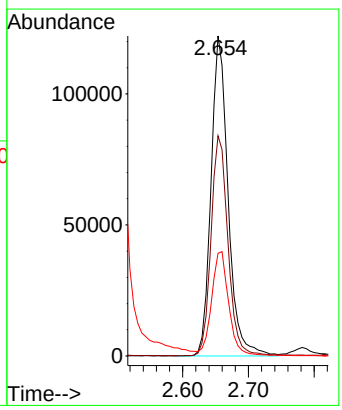
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

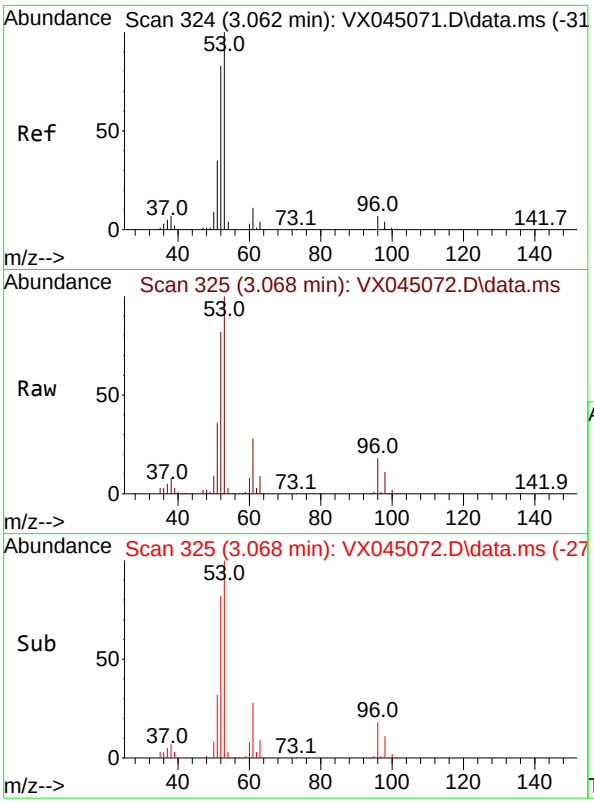


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 220783

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.8	80.8
76	32.6	25.2	37.8

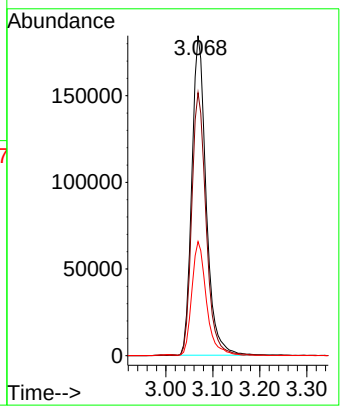




#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 53 Resp: 39194

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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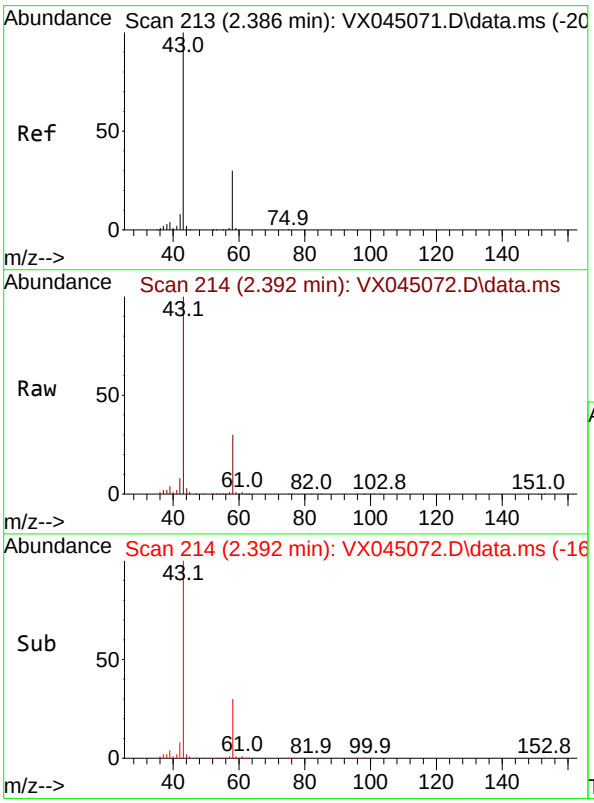
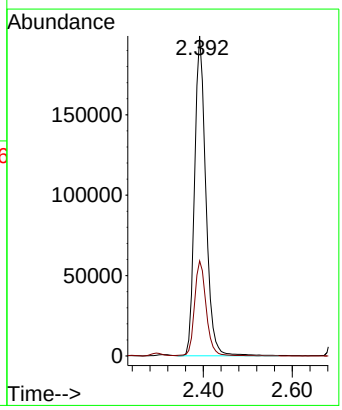
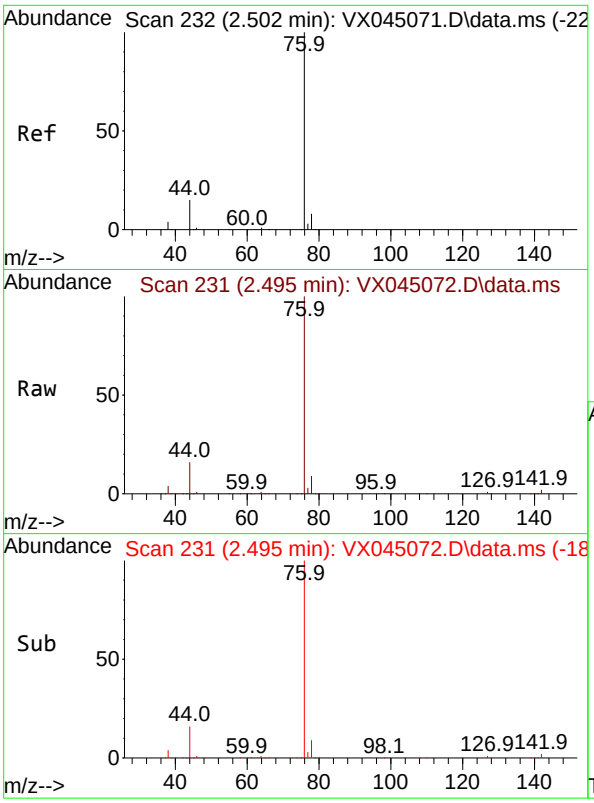


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 348698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4





#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 76 Resp: 34557

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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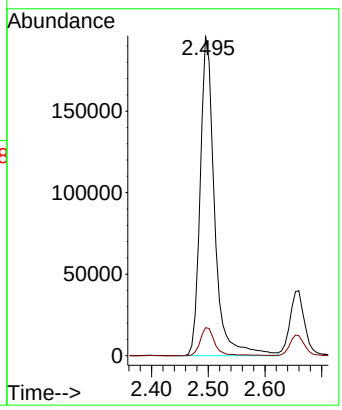
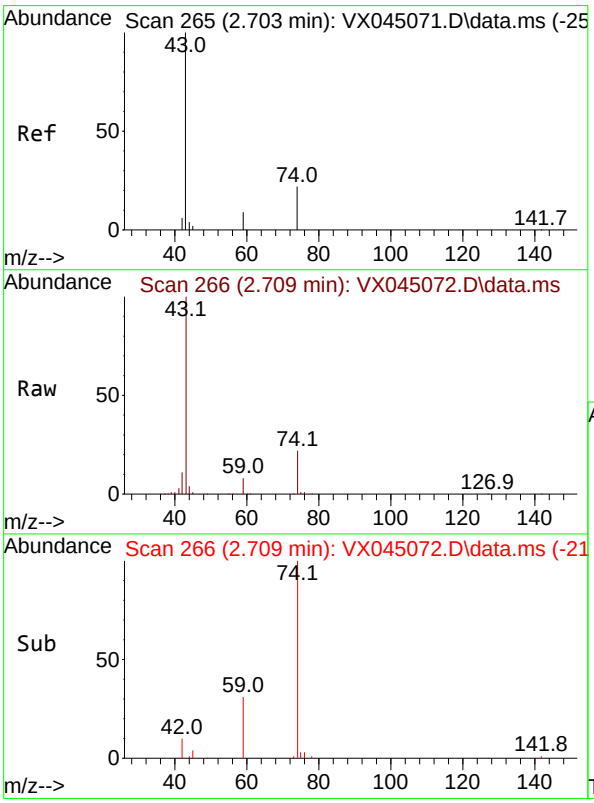
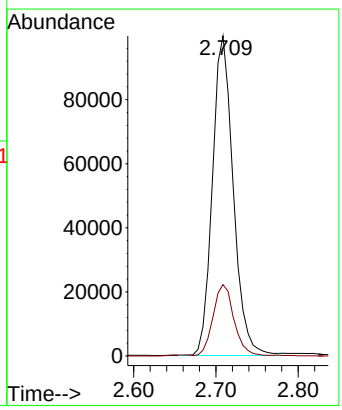


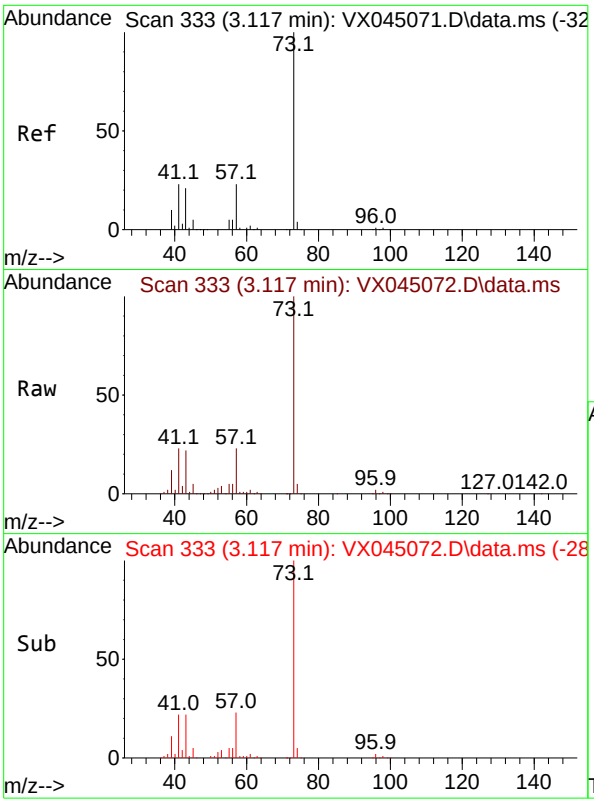


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

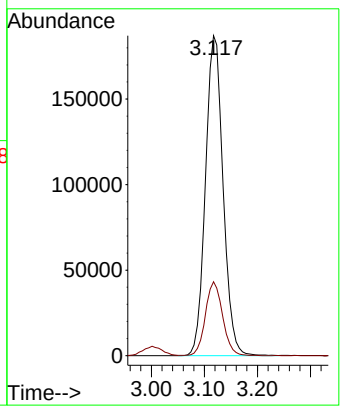




#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 73 Resp: 43141

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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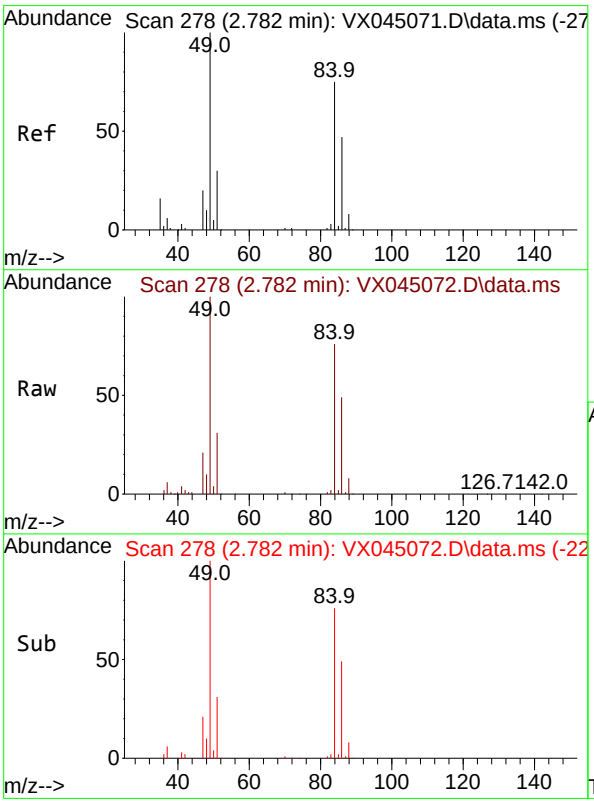
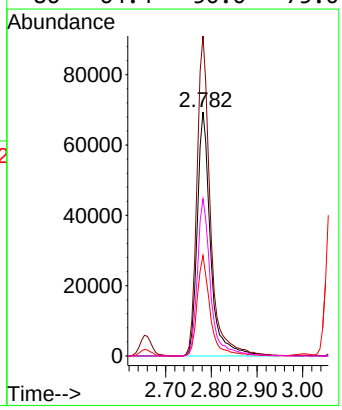
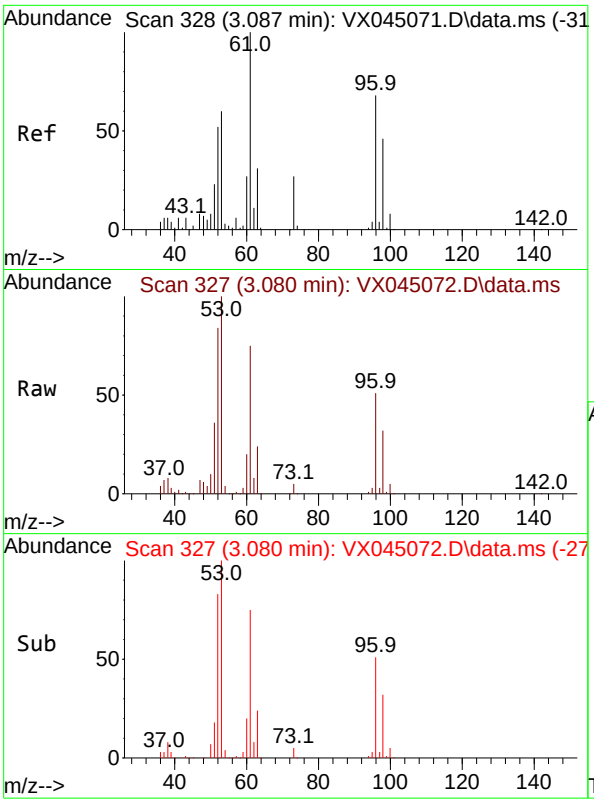


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 84 Resp: 140388

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.2	32.1	48.1
86	64.4	50.0	75.0

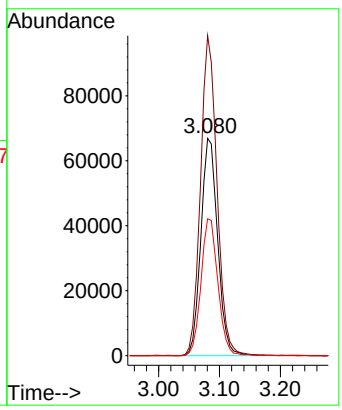




#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 12823

Ion	Ratio	Lower	Upper
96	100		
61	147.3	117.0	175.4
98	63.0	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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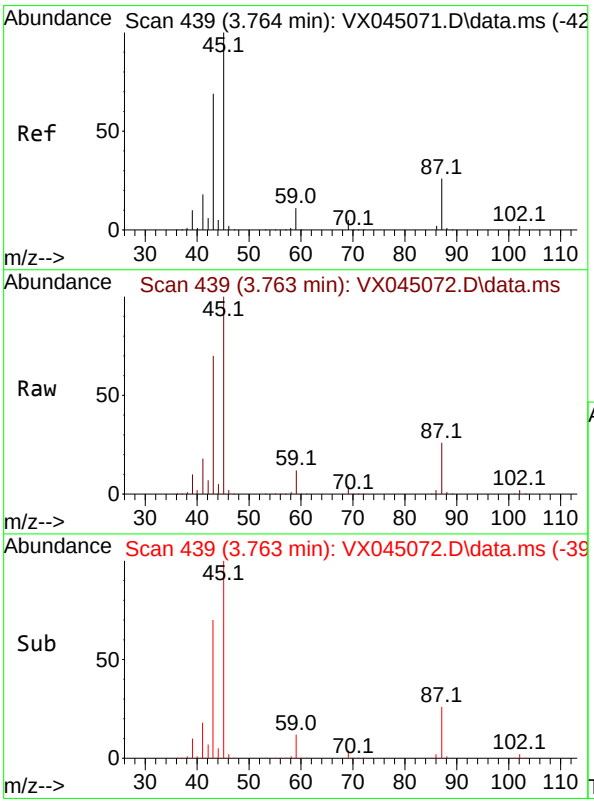
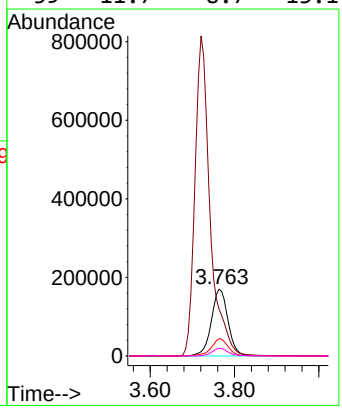
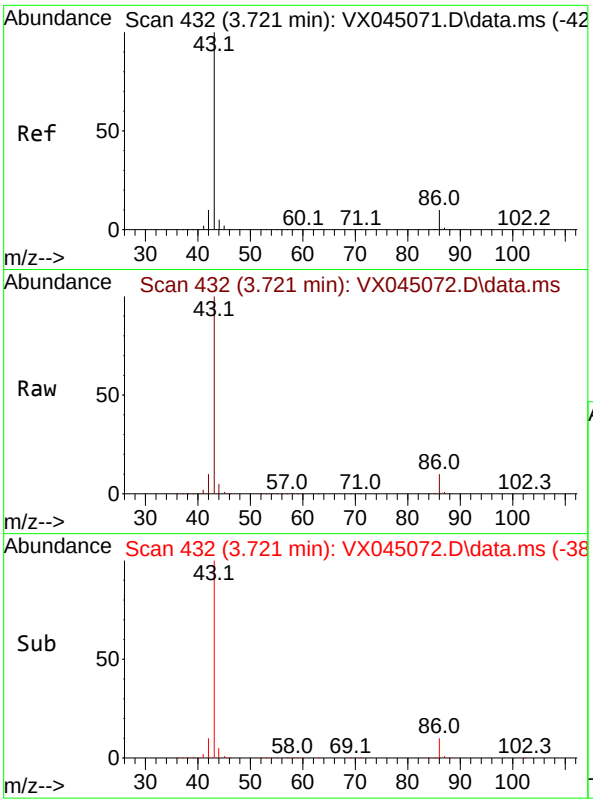


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 45 Resp: 467534

Ion	Ratio	Lower	Upper
45	100		
43	70.4	54.9	82.3
87	26.0	21.0	31.4
59	11.7	8.7	13.1

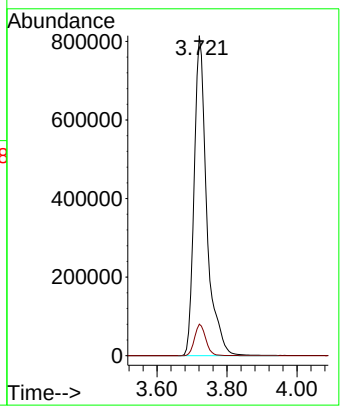




#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 203588

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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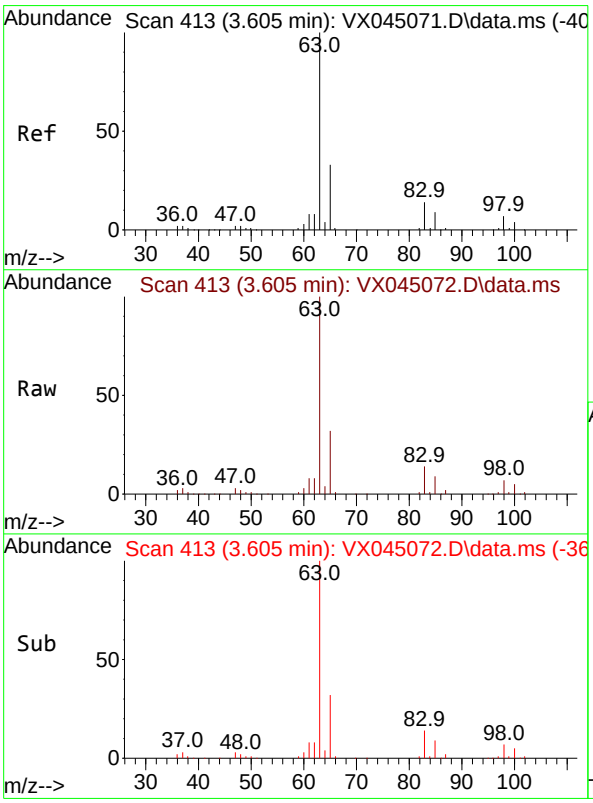
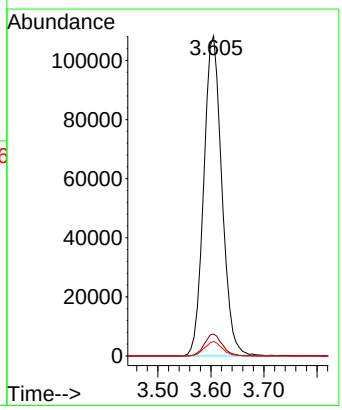
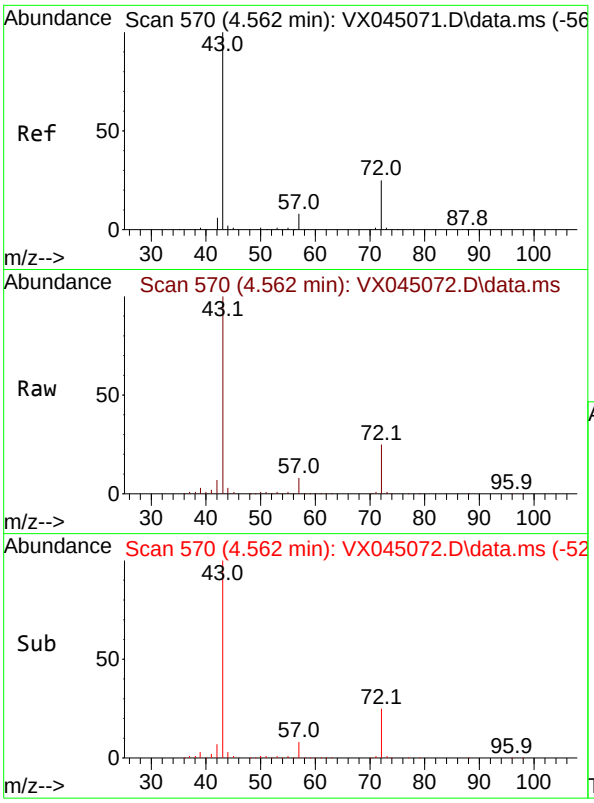


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 257023

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5

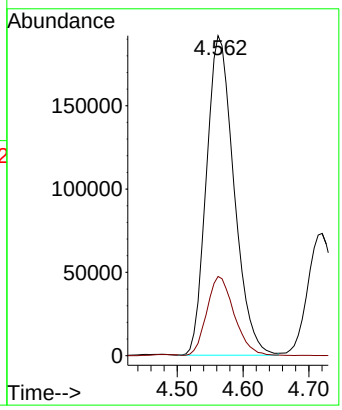




#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 55918

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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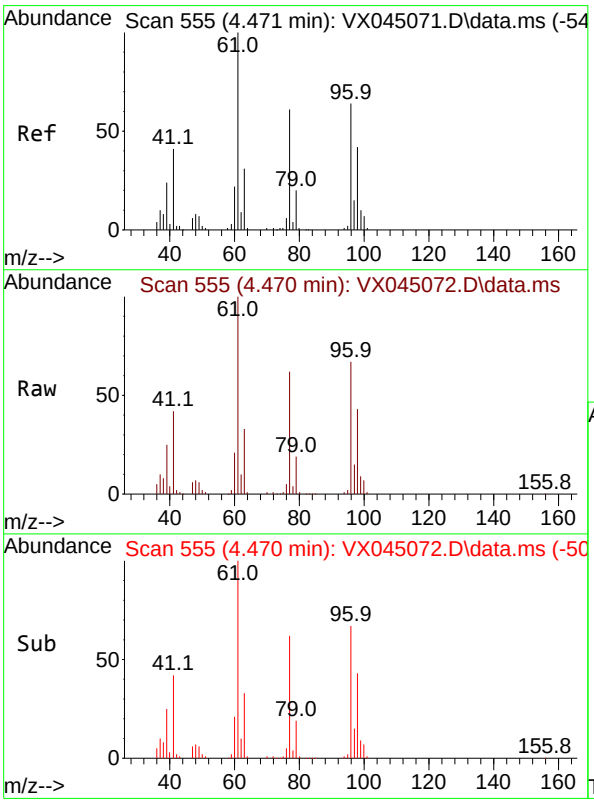
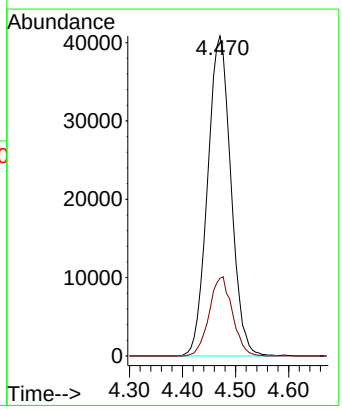
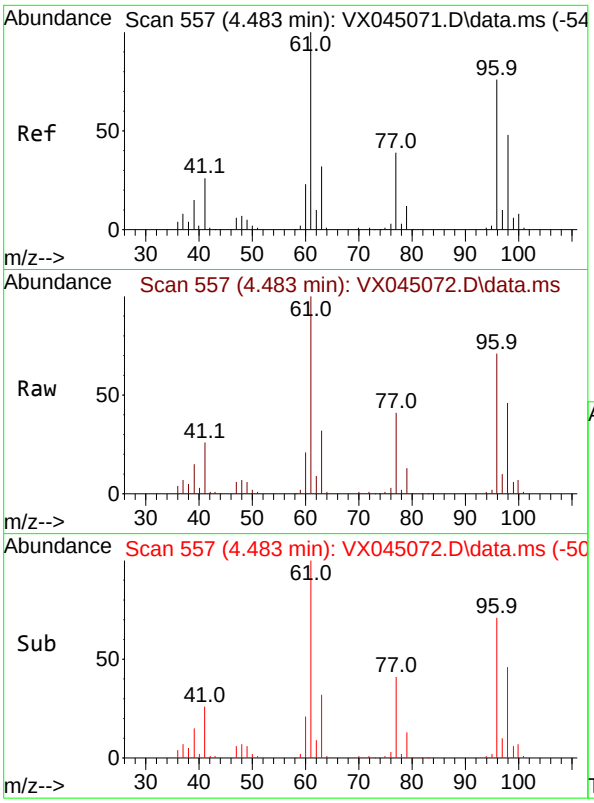


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 100.568 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 15519

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	283.2
98	64.3	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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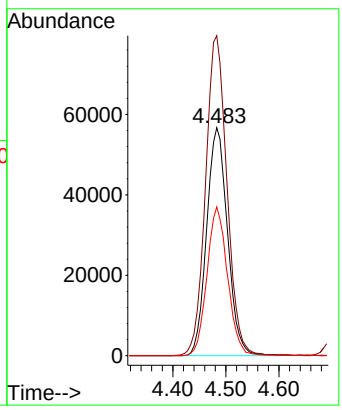
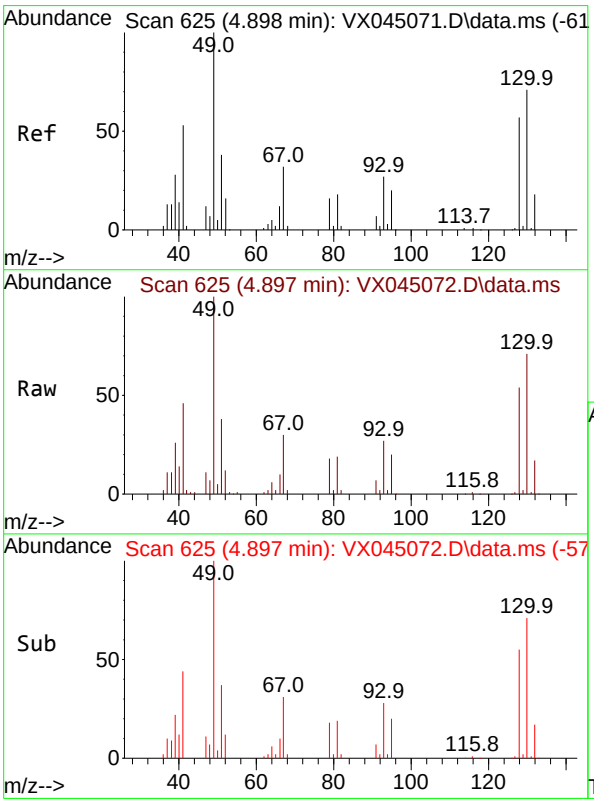
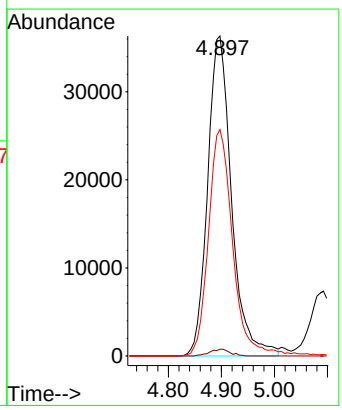


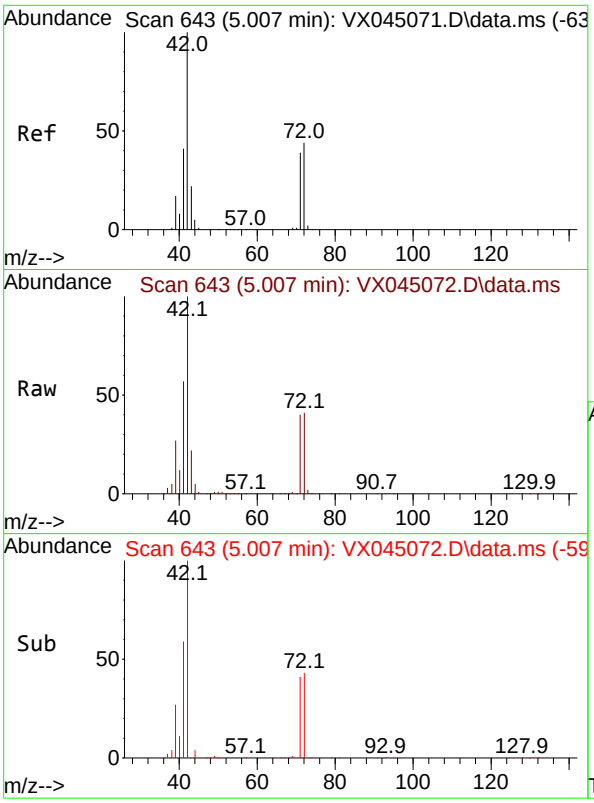


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 49 Resp: 113848

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	72.2	56.1	84.1

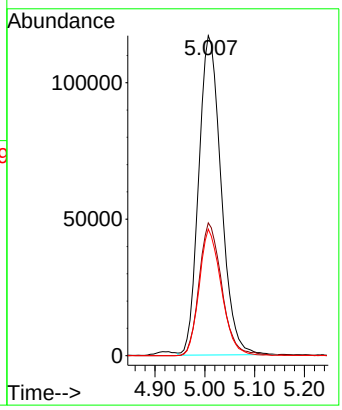




#29
Tetrahydrofuran
Concen: 556.465 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 42 Resp: 36556

Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	39.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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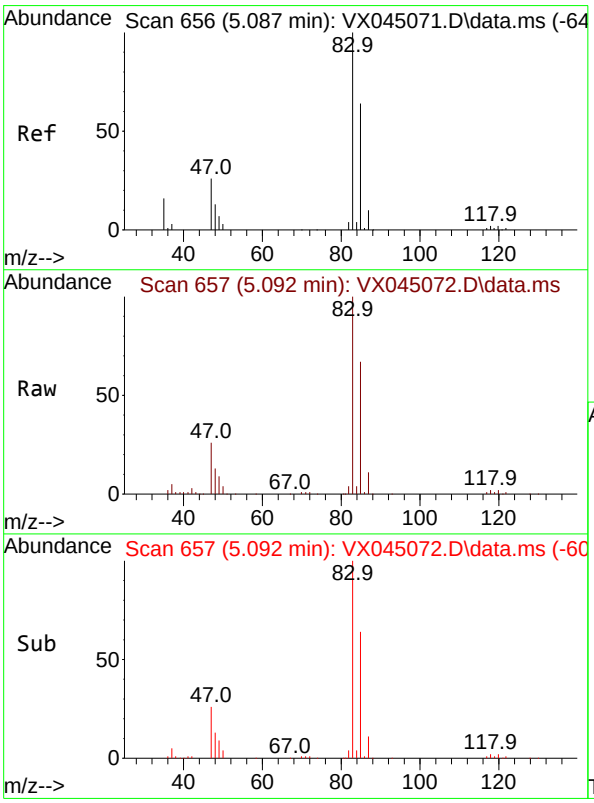
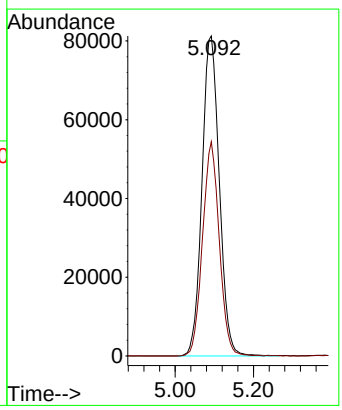
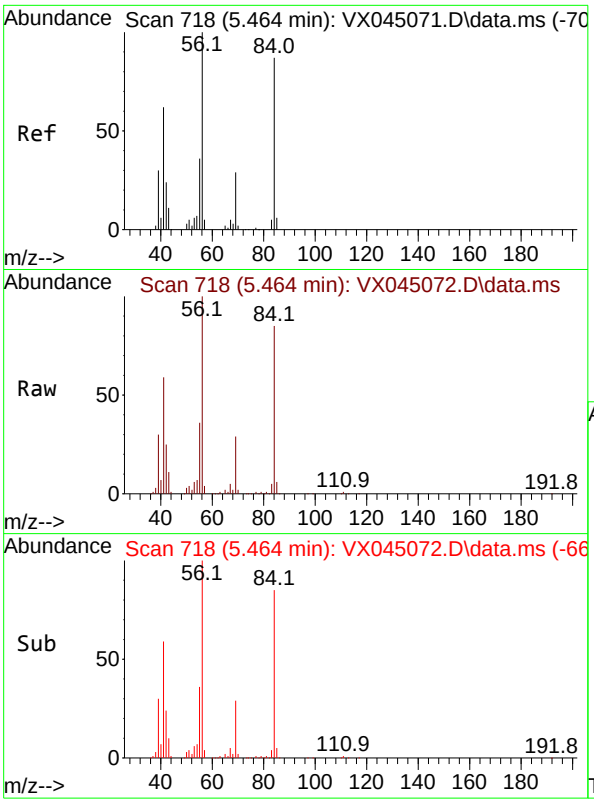


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 248978

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2

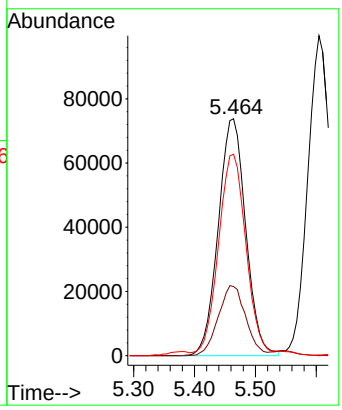




#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 23108

Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	83.3	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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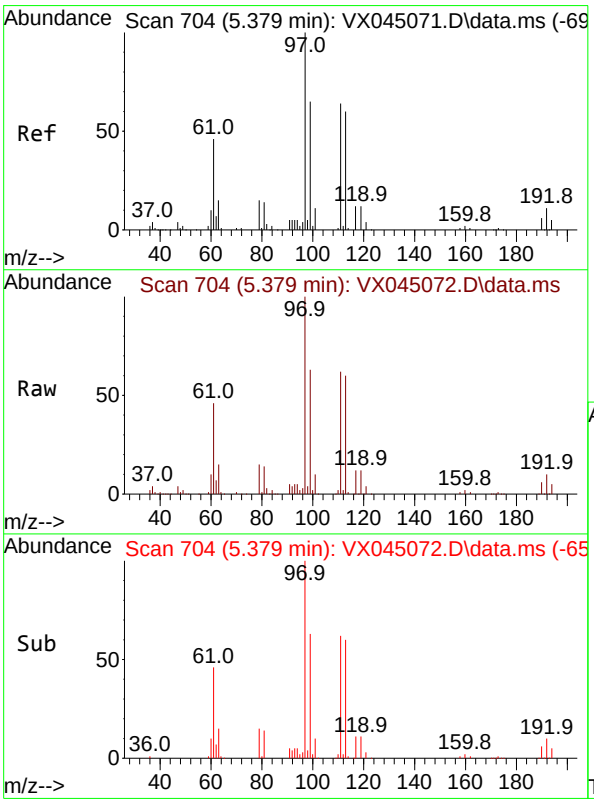
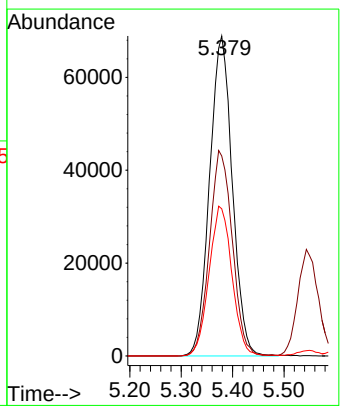
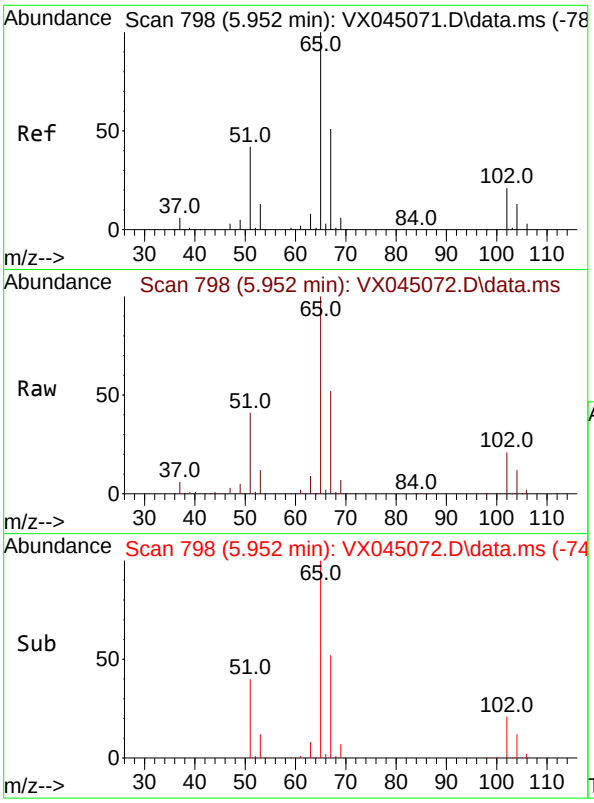


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 211302

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	47.3	38.4	57.6

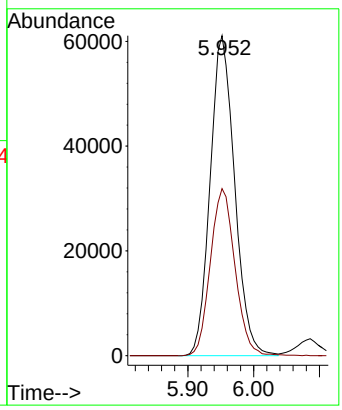




#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 65 Resp: 15845

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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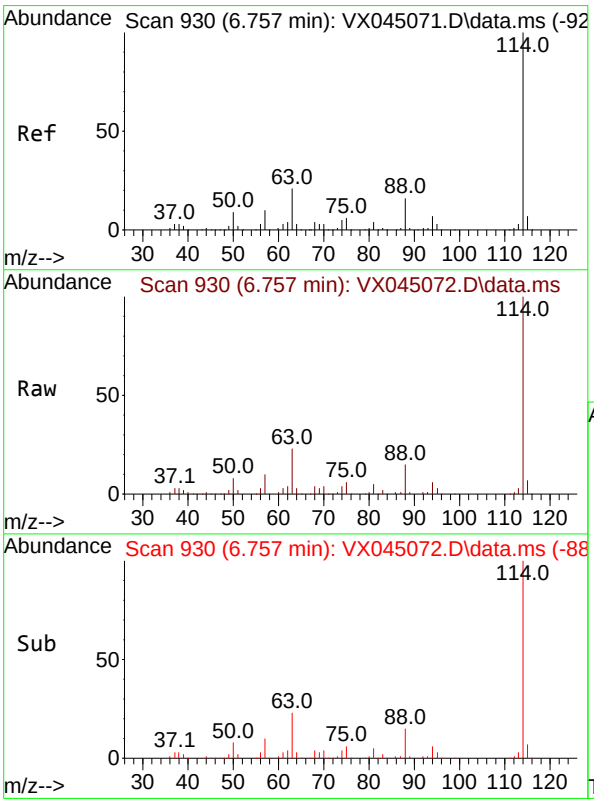
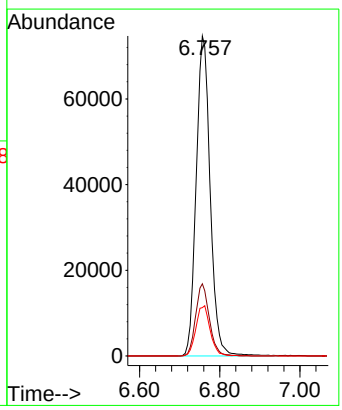
Supervised By :Mahesh Dadoda 02/28/2025

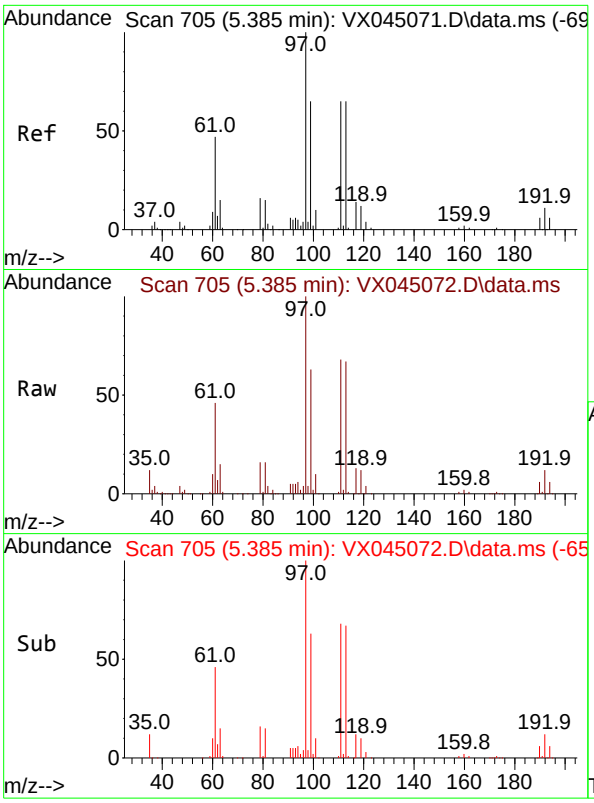


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:114 Resp: 181031

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	15.1	0.0	32.8

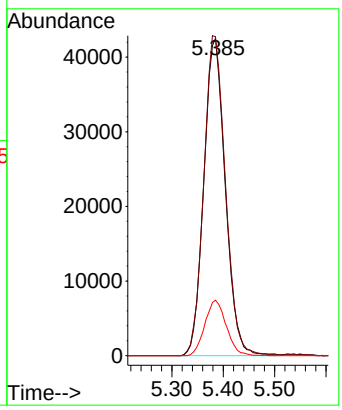




#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:113 Resp: 12318

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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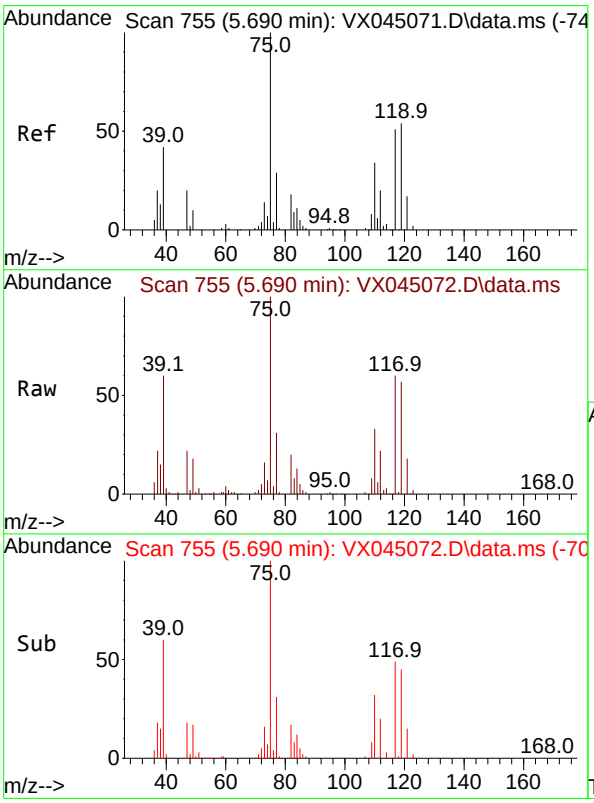
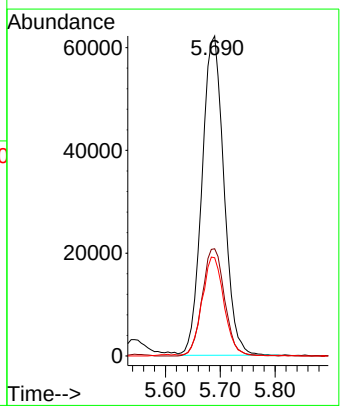
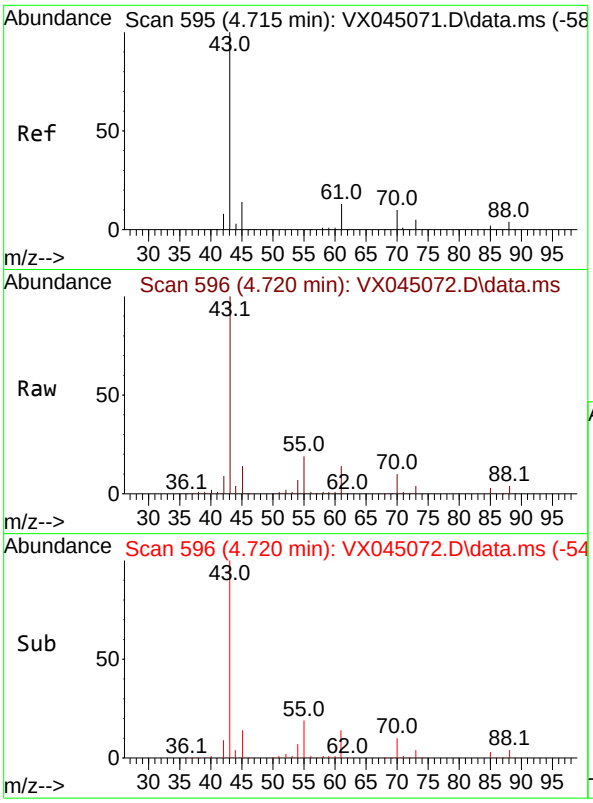


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 172295

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.0	24.5	36.7

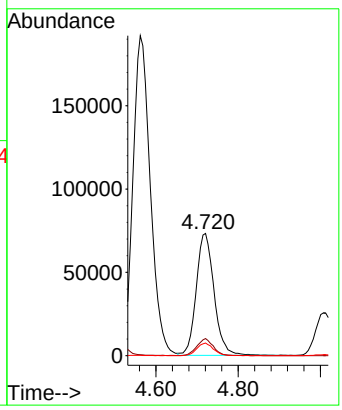




#37
Ethyl Acetate
Concen: 113.796 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 22032

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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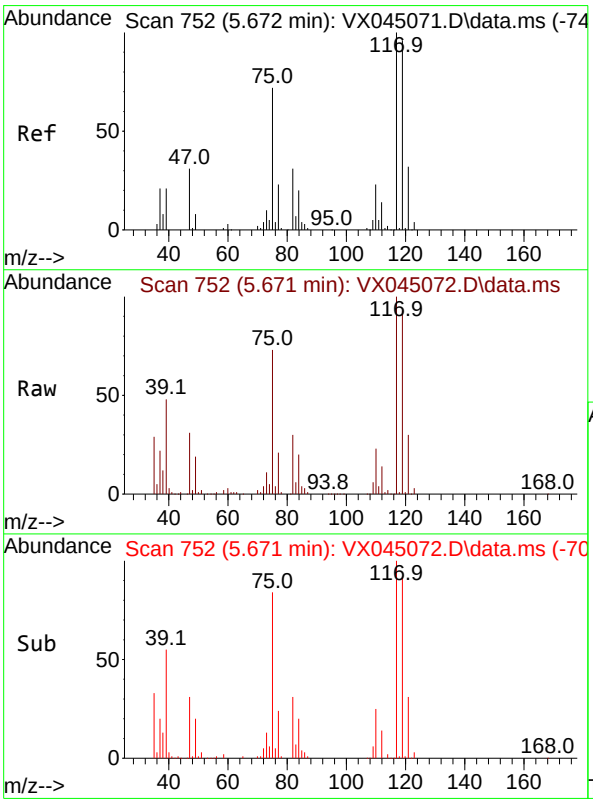
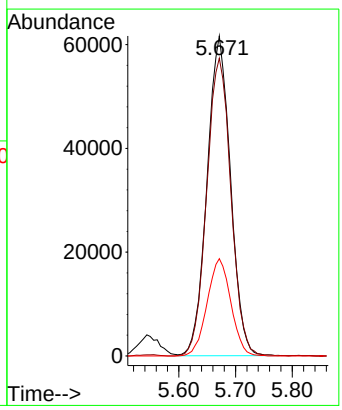
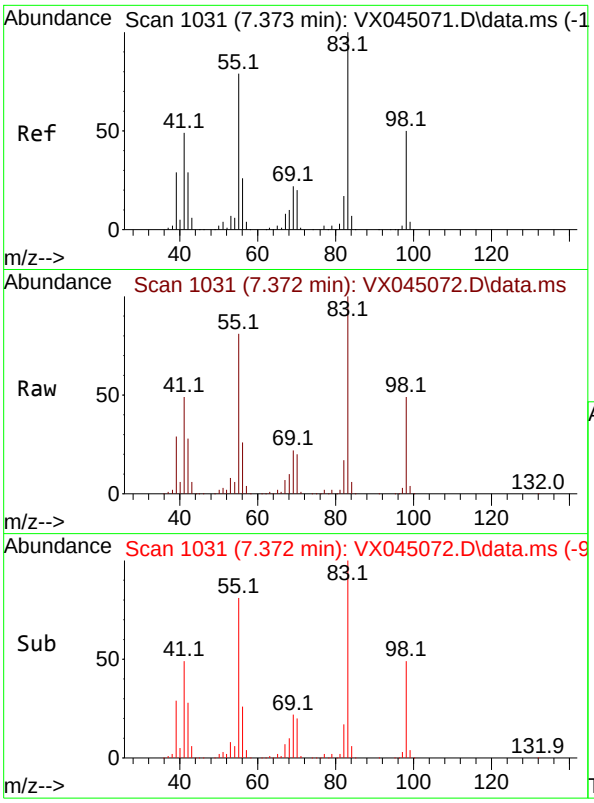


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 177219

Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.7	115.1
121	30.4	25.5	38.3

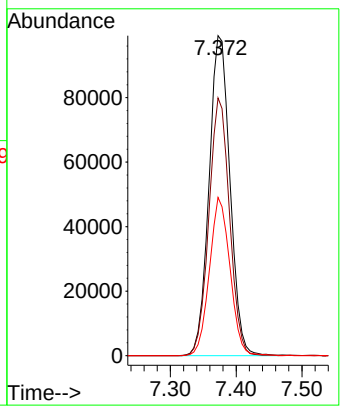




#39
Methylcyclohexane
Concen: 101.175 ug/l
RT: 7.372 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 21985(

Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.0	94.4
98	49.5	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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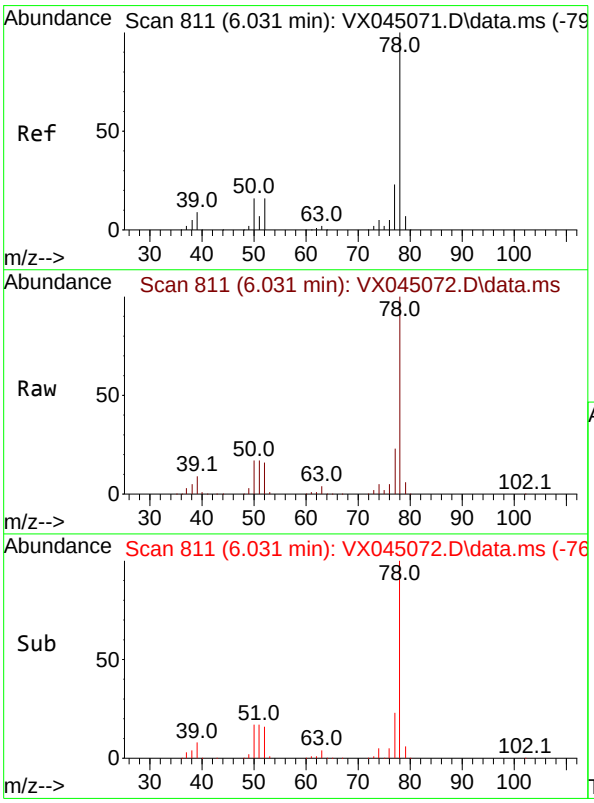
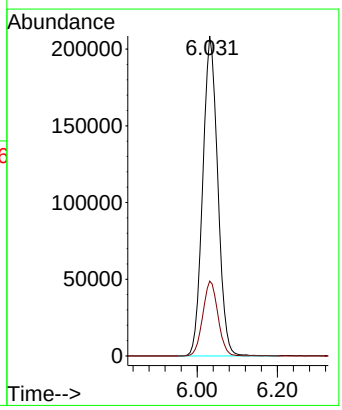
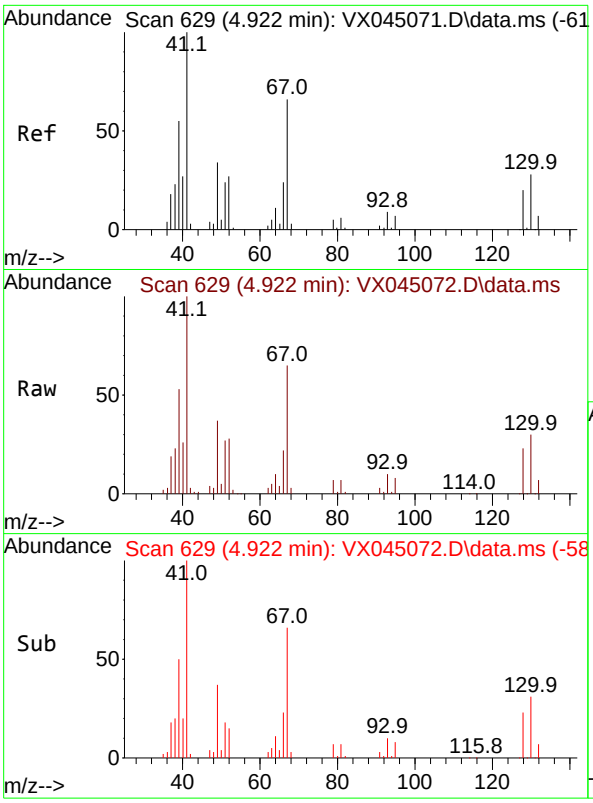


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2

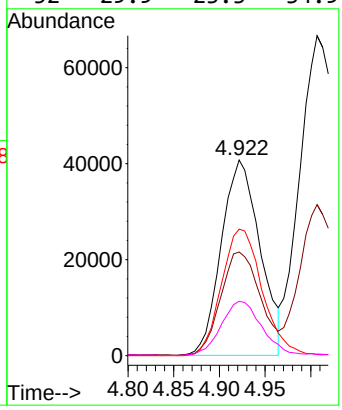




#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 12018

Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	68.3	53.9	80.9
52	29.9	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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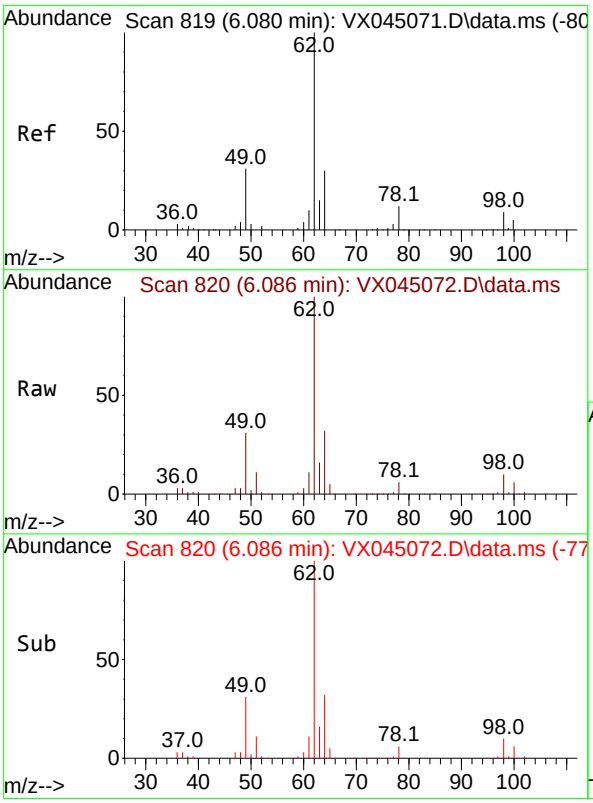
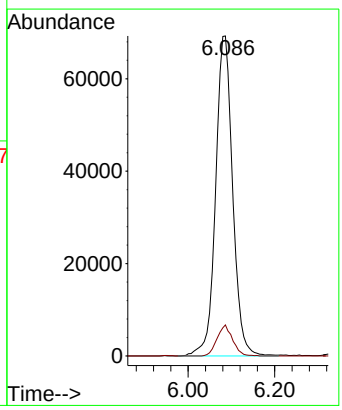
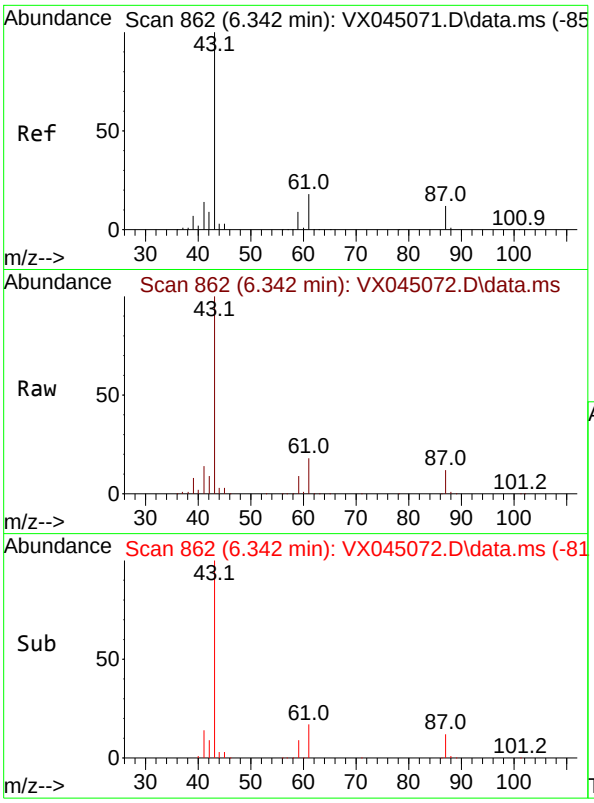


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2

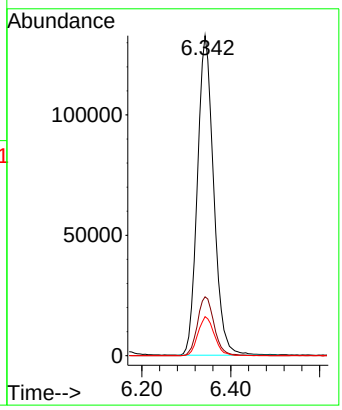




#43
Isopropyl Acetate
Concen: 109.806 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 33841

Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	12.3	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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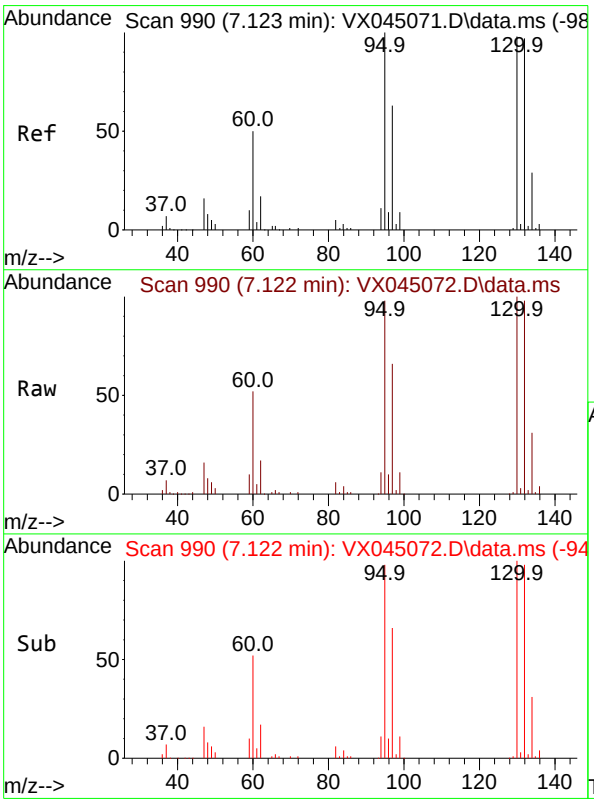
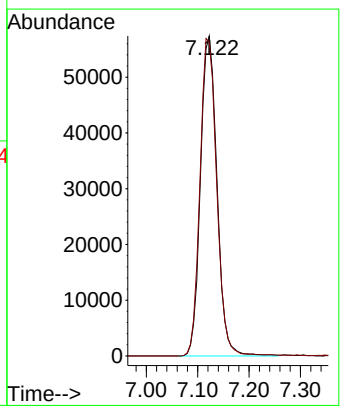
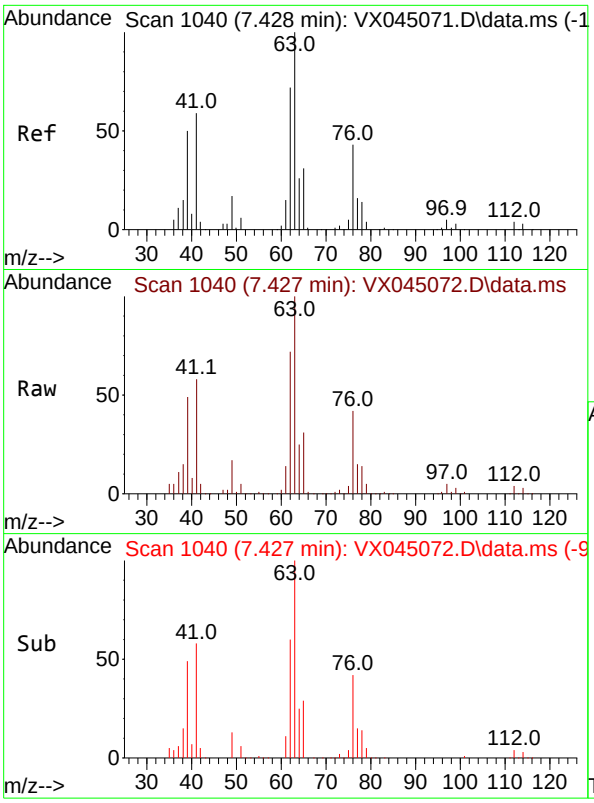


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.0

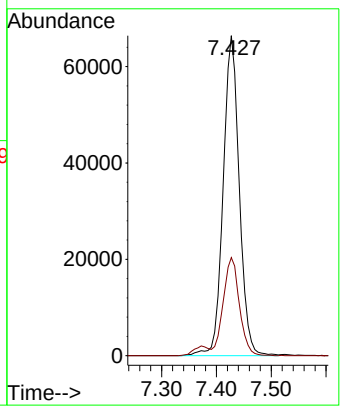




#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 13599

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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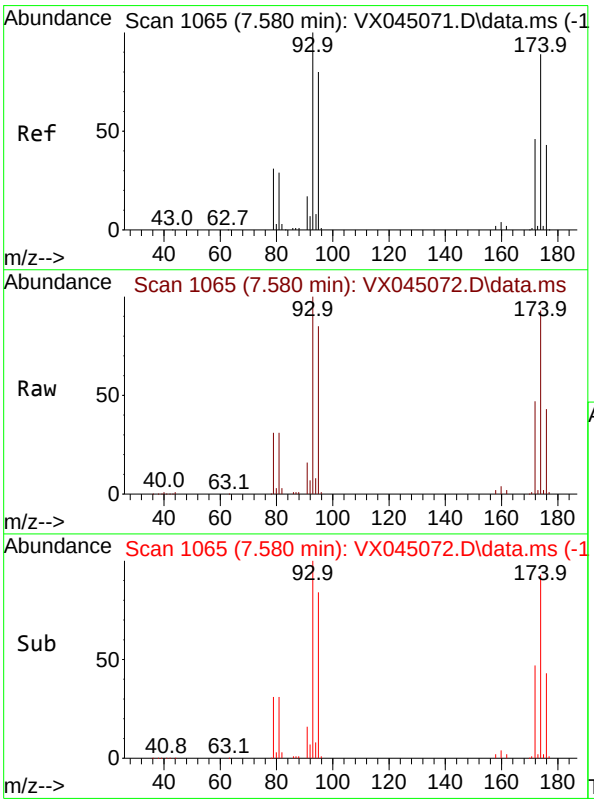
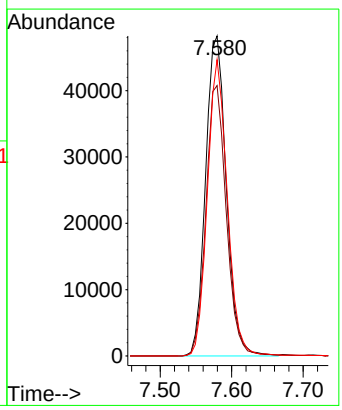
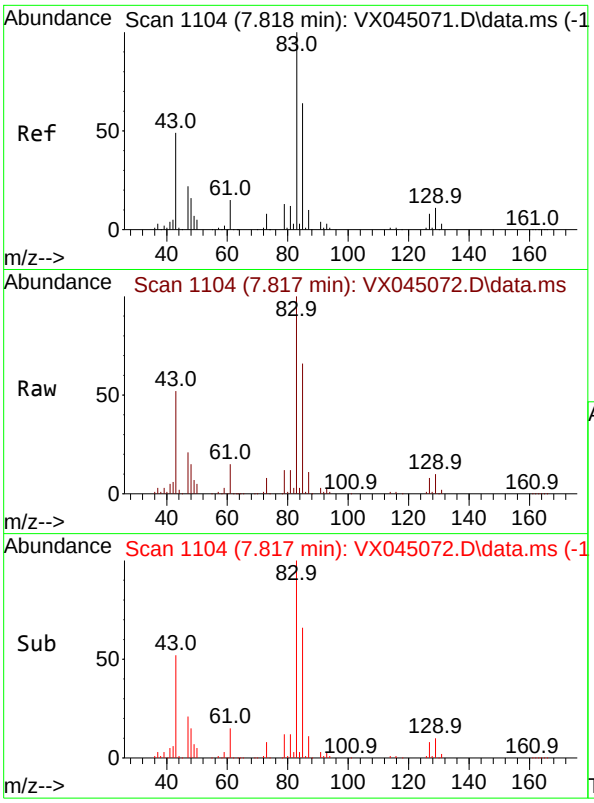


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 93 Resp: 97248

Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.8
174	89.0	72.2	108.2

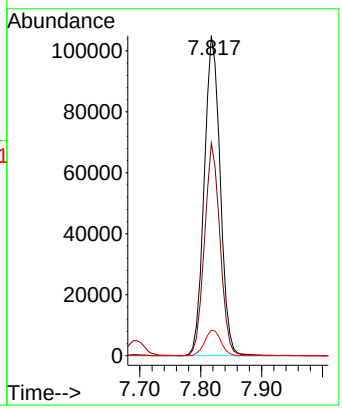




#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19101

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.9	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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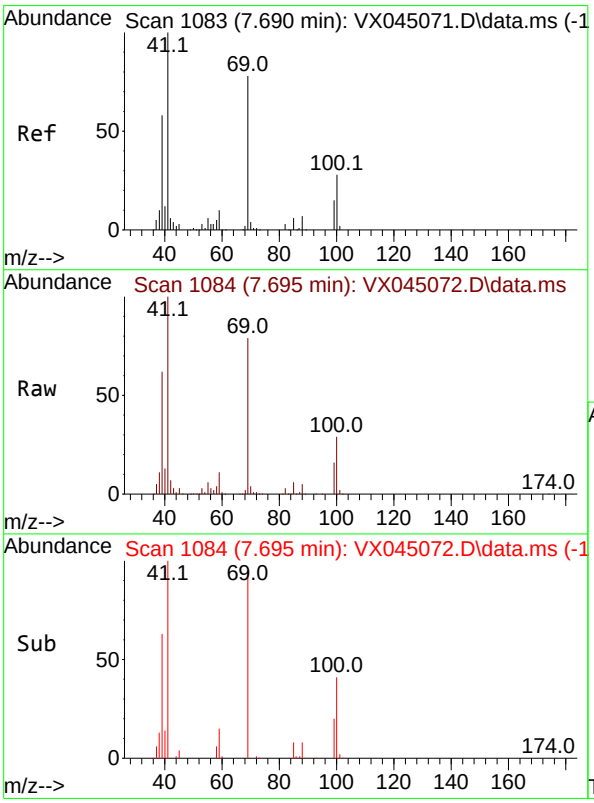
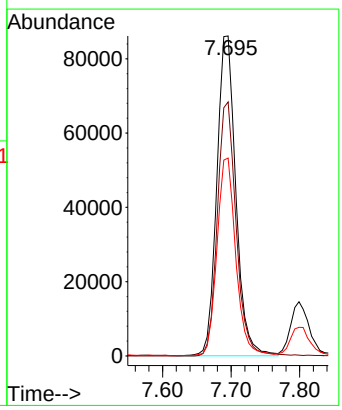
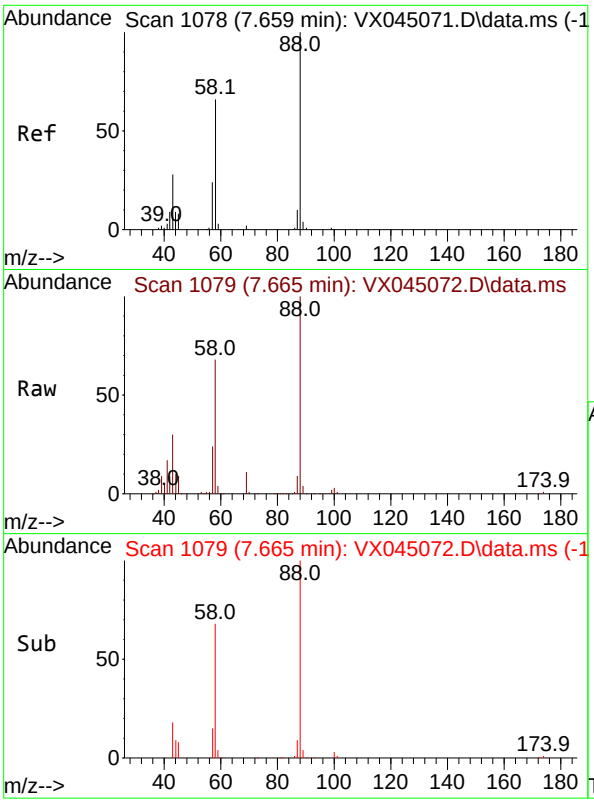


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 165825

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	60.9	47.5	71.3





#49
1,4-Dioxane
Concen: 2132.314 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 88 Resp: 6630

Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.7	43.1
58	70.5	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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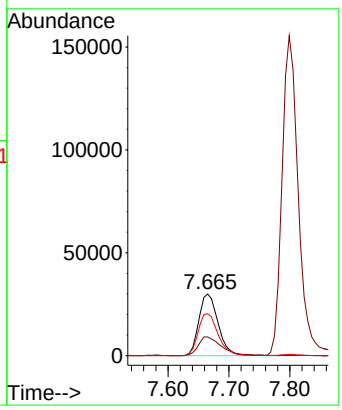
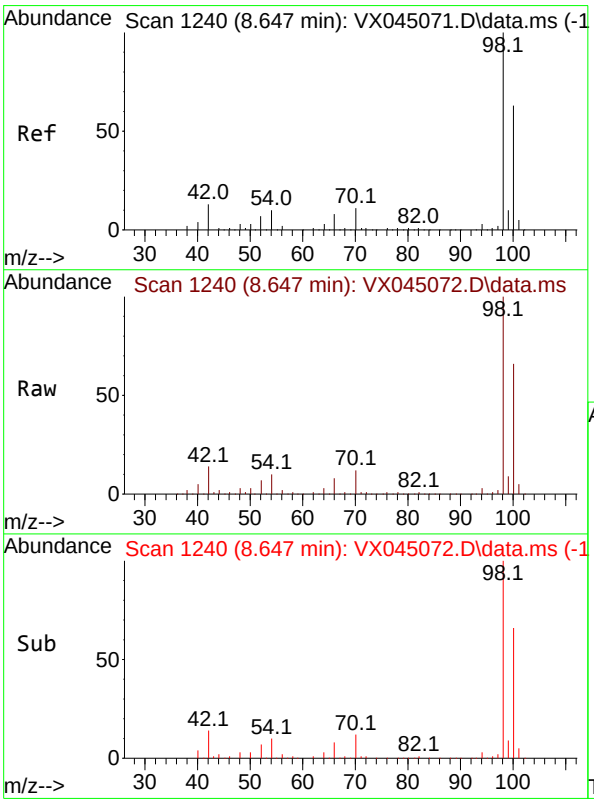
Supervised By :Mahesh Dadoda 02/28/2025

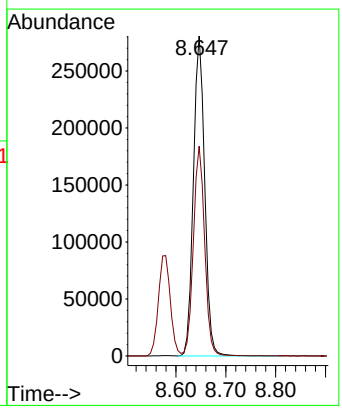


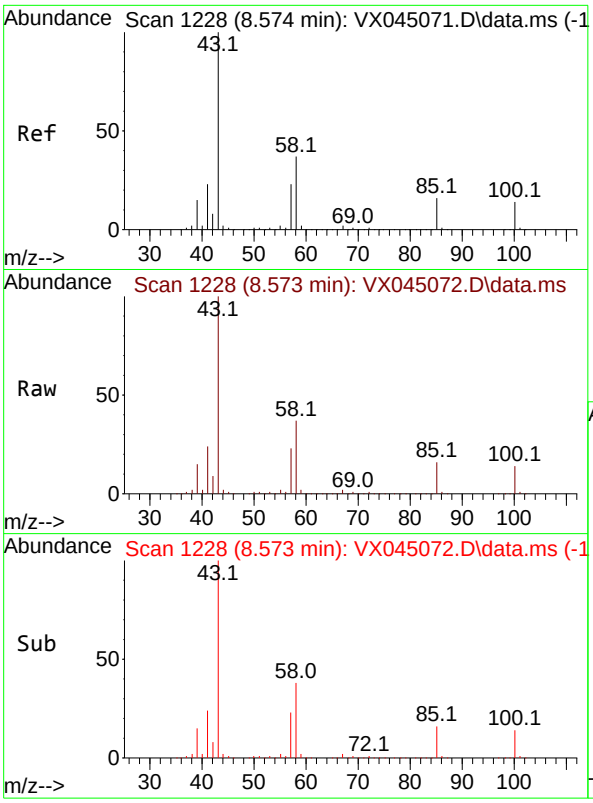


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0

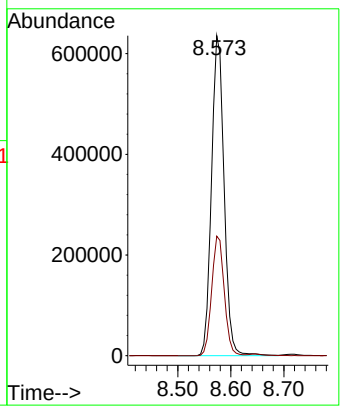




#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 104814

Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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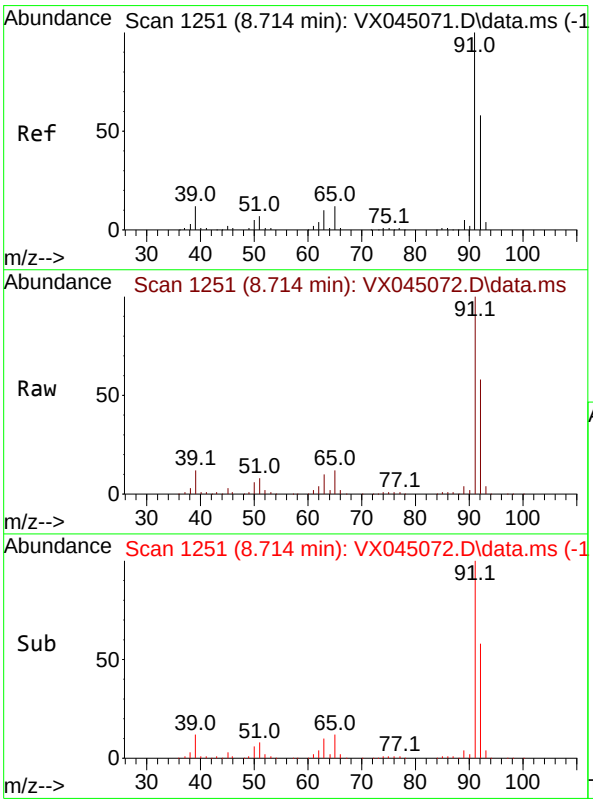
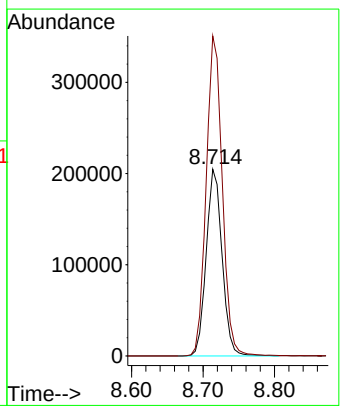
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

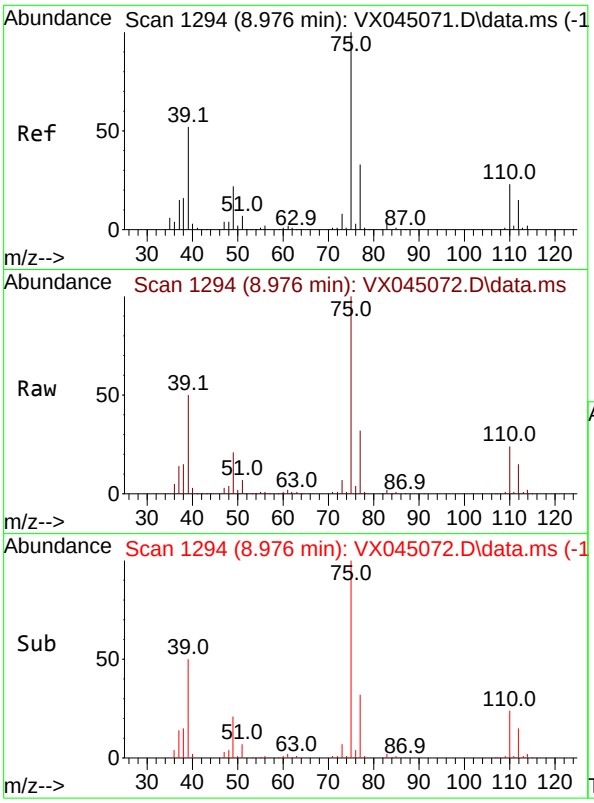


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3

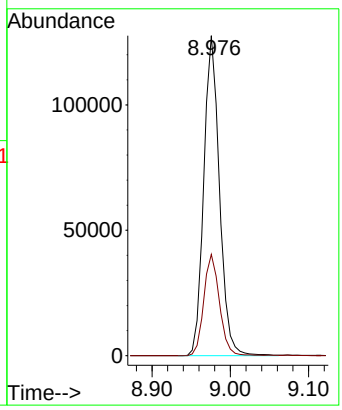




#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 17735

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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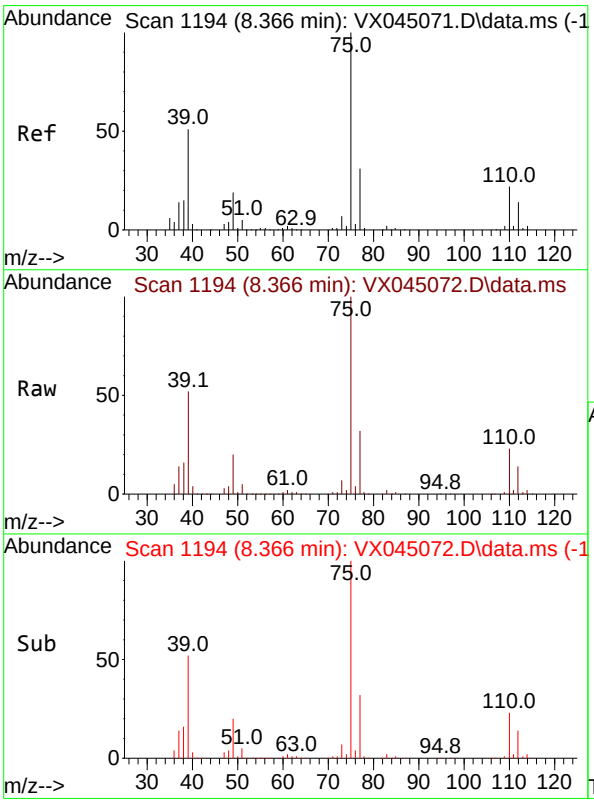
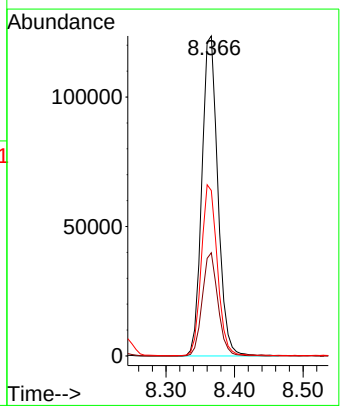
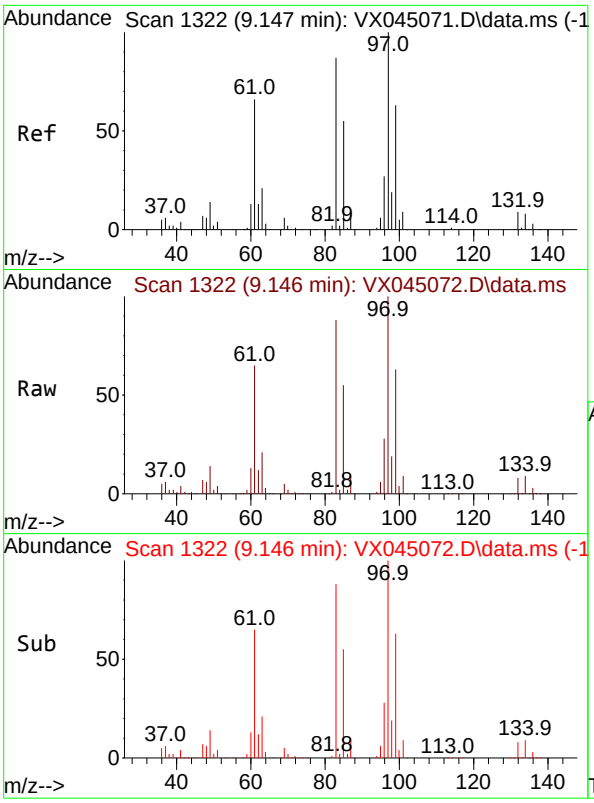


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 200943

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	51.6	40.7	61.1

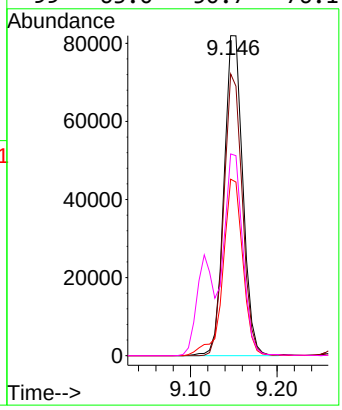




#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 12342

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	55.1	44.1	66.1
99	63.0	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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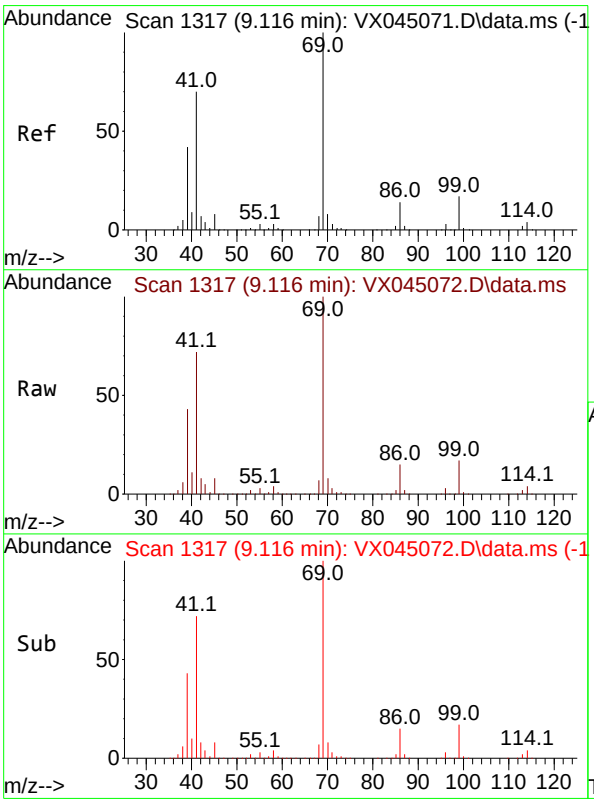
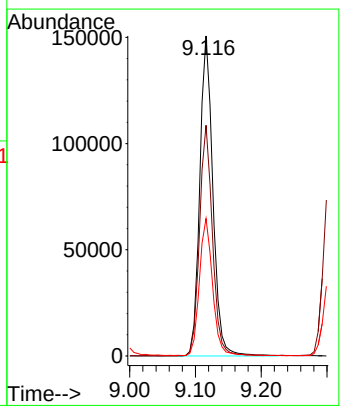
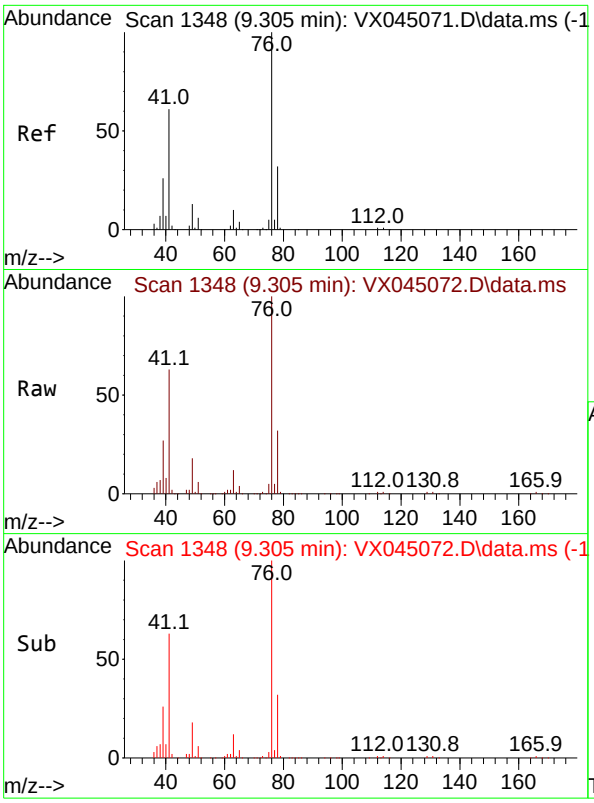


#56
Ethyl methacrylate
Concen: 106.744 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 69 Resp: 208782

Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.0	85.4
39	43.0	34.2	51.4

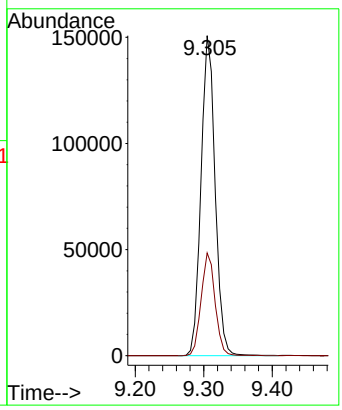




#57
1,3-Dichloropropane
Concen: 101.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 76 Resp: 21626

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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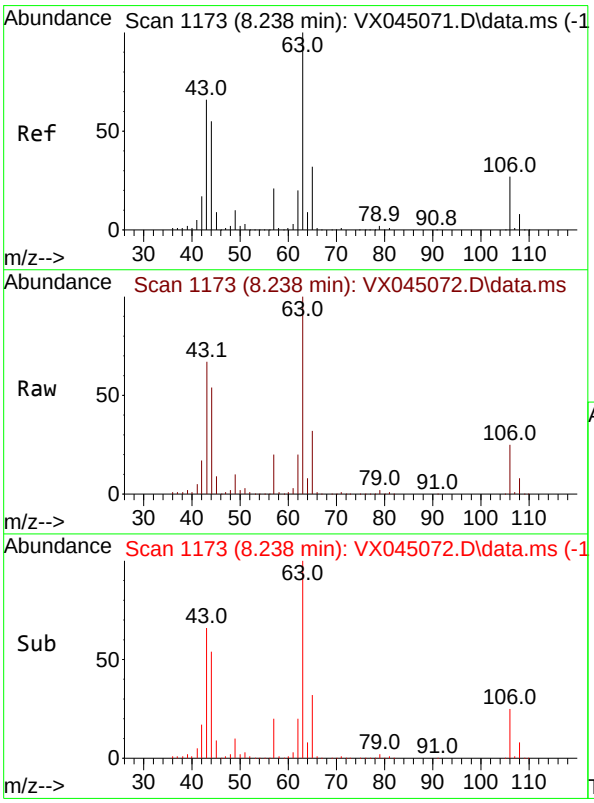
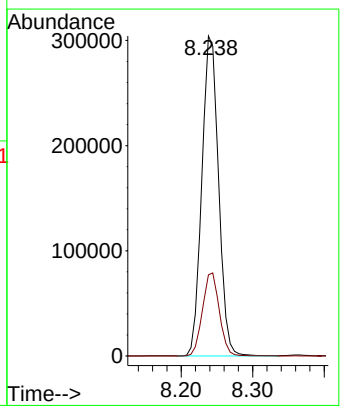
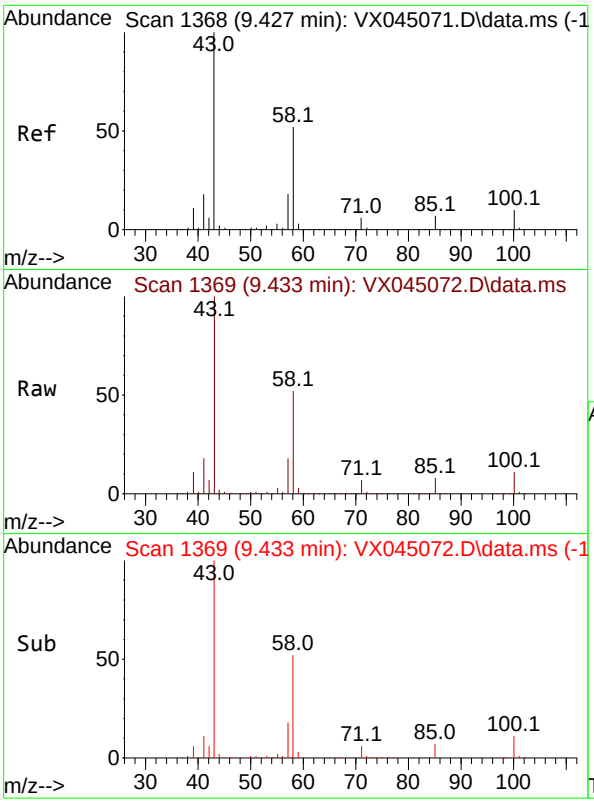


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 494551

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3

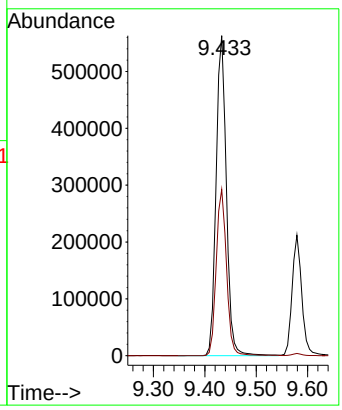




#59
2-Hexanone
Concen: 572.233 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 77949

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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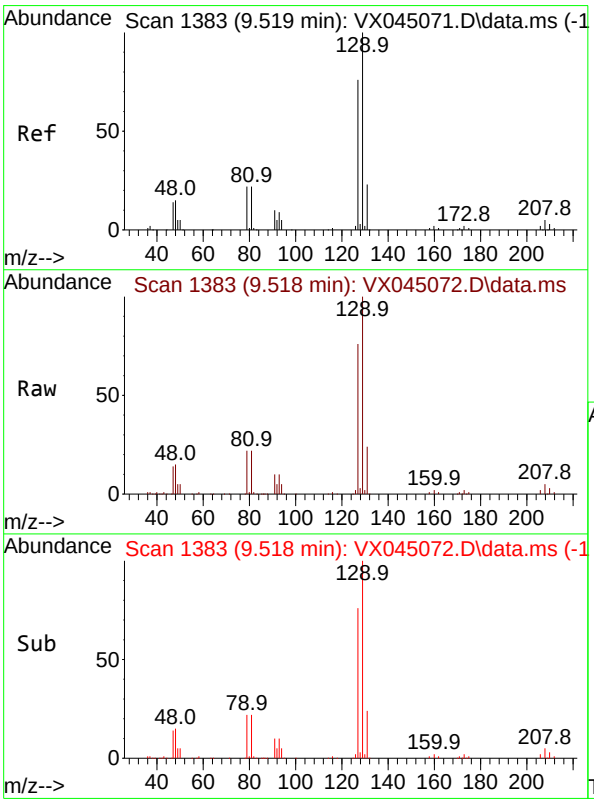
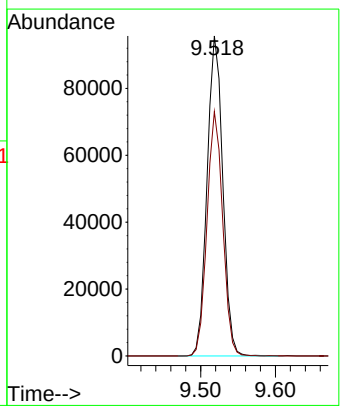
Supervised By :Mahesh Dadoda 02/28/2025

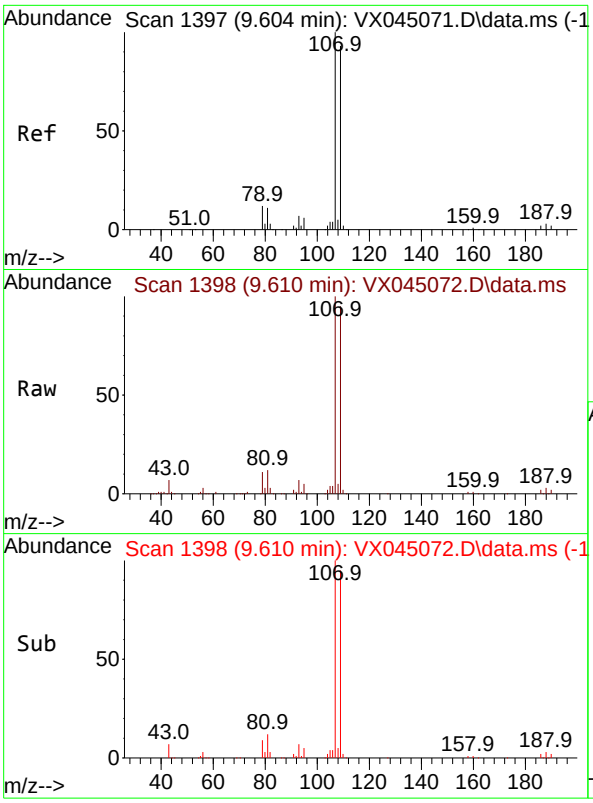


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5





#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:107 Resp: 12861

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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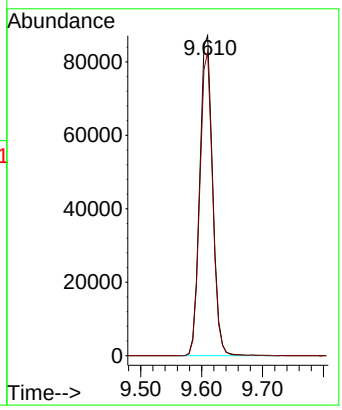
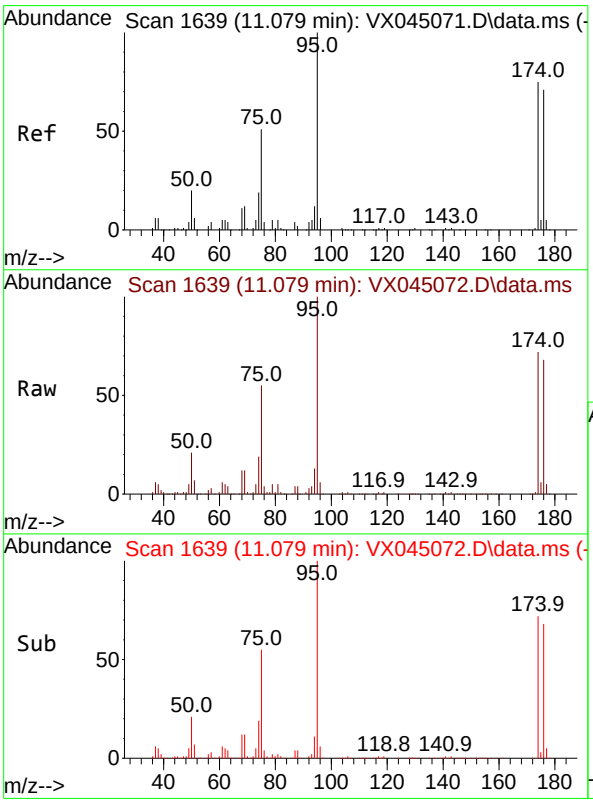
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

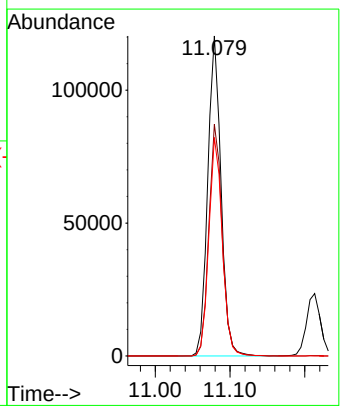


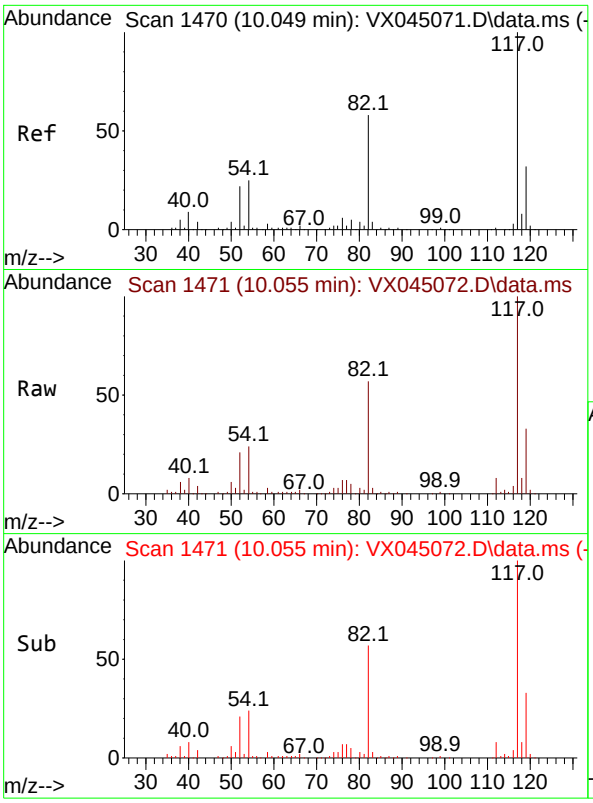


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 95 Resp: 148476

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	69.2	0.0	141.4

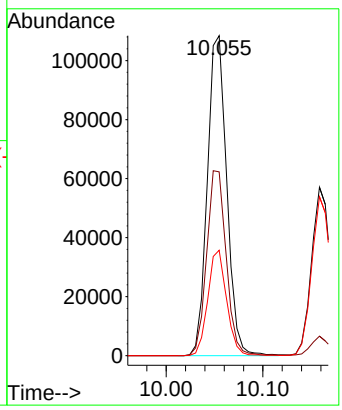




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 15117

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	33.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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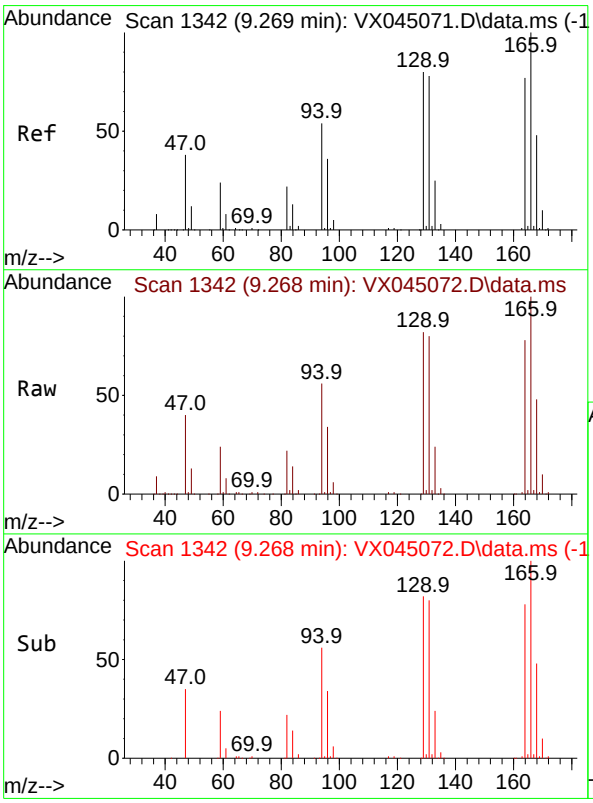
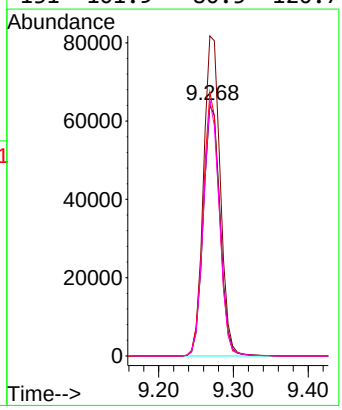
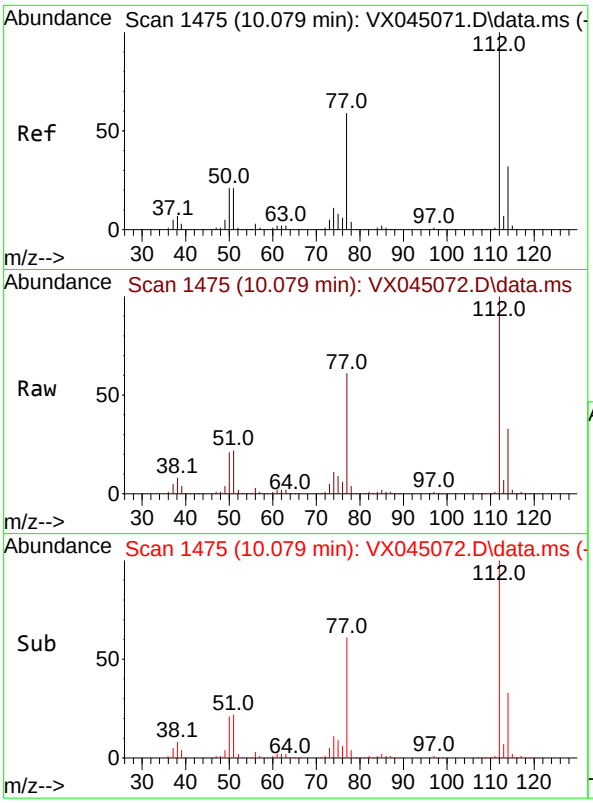


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:164 Resp: 99386

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	105.2	82.7	124.1
131	101.9	80.5	120.7

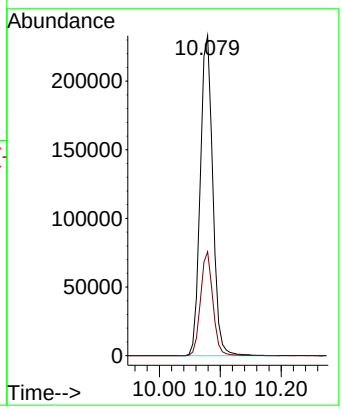




#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:112 Resp: 33247

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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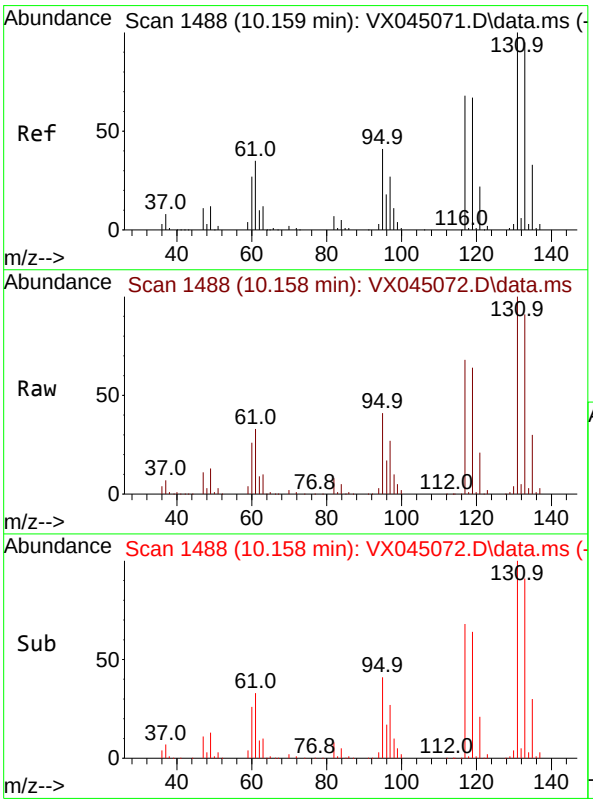
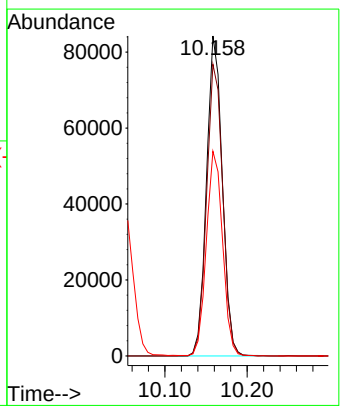
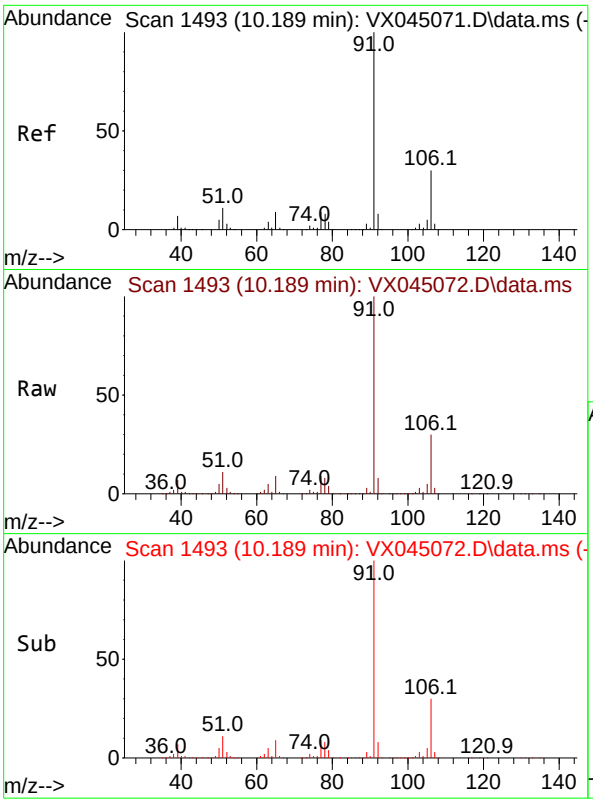


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:131 Resp: 112451

Ion	Ratio	Lower	Upper
131	100		
133	93.1	48.6	145.9
119	65.8	33.9	101.7

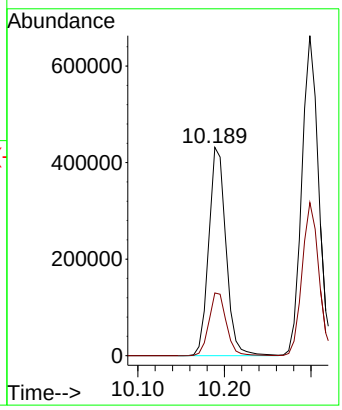




#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 59625

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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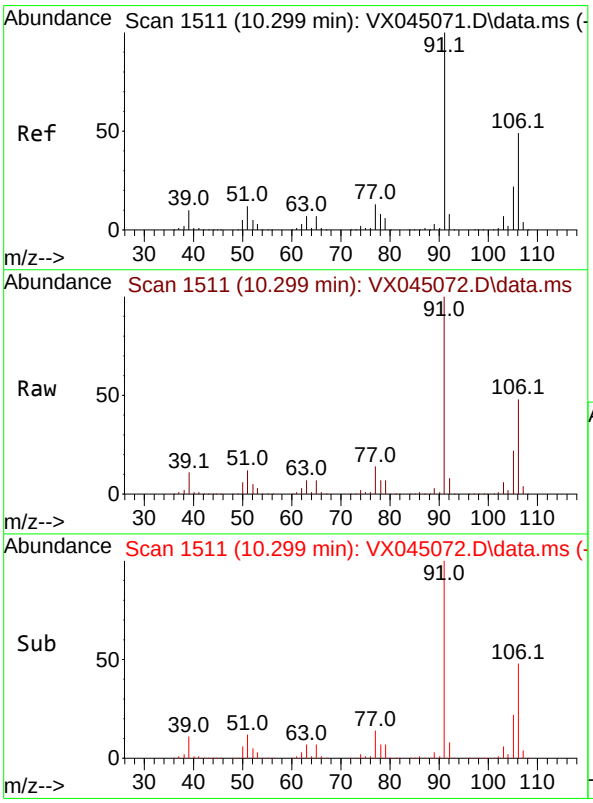
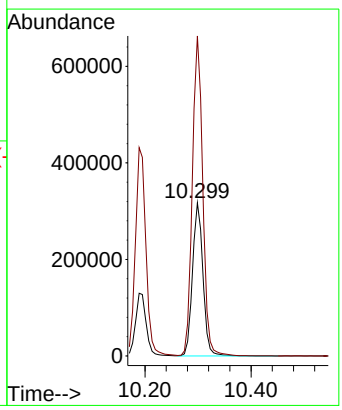
Supervised By :Mahesh Dadoda 02/28/2025

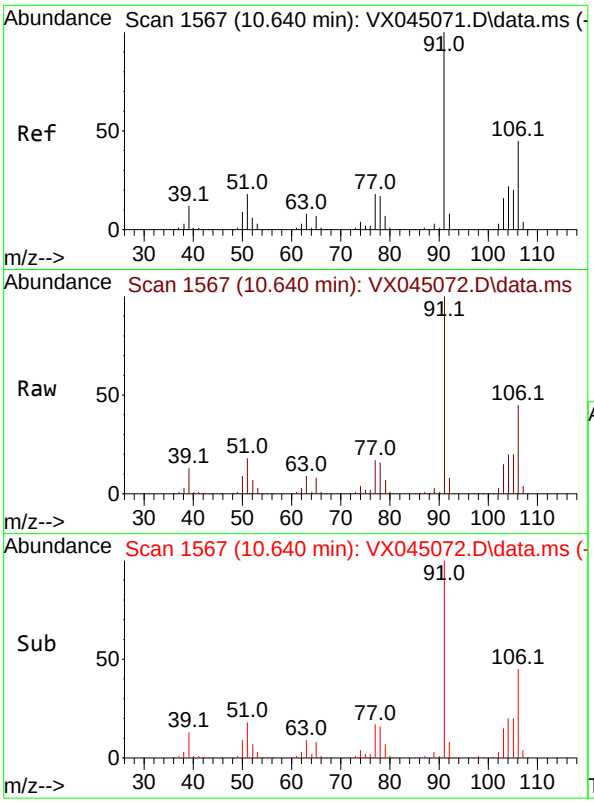


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0

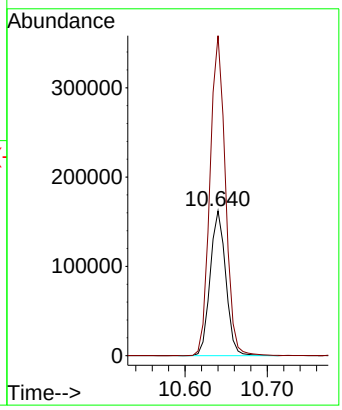




#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 21383

Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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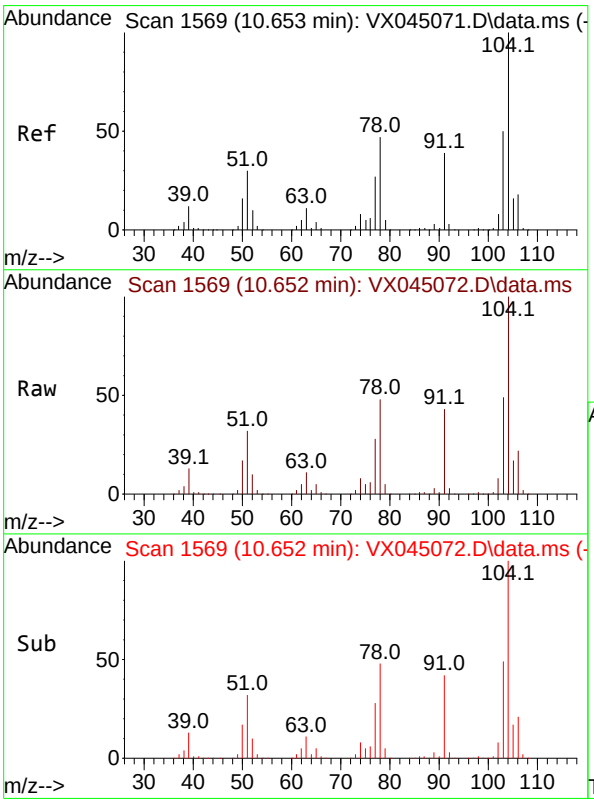
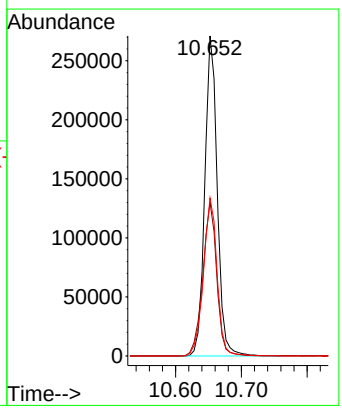
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

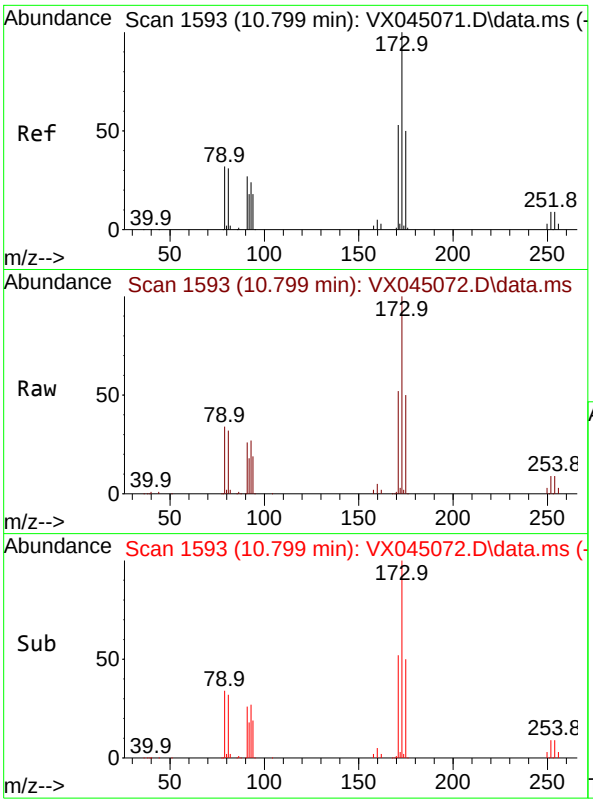


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:104 Resp: 357649

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	54.3	43.8	65.8

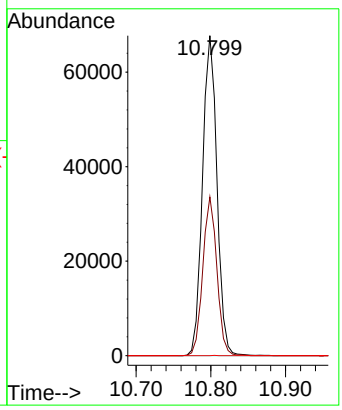




#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:173 Resp: 9080

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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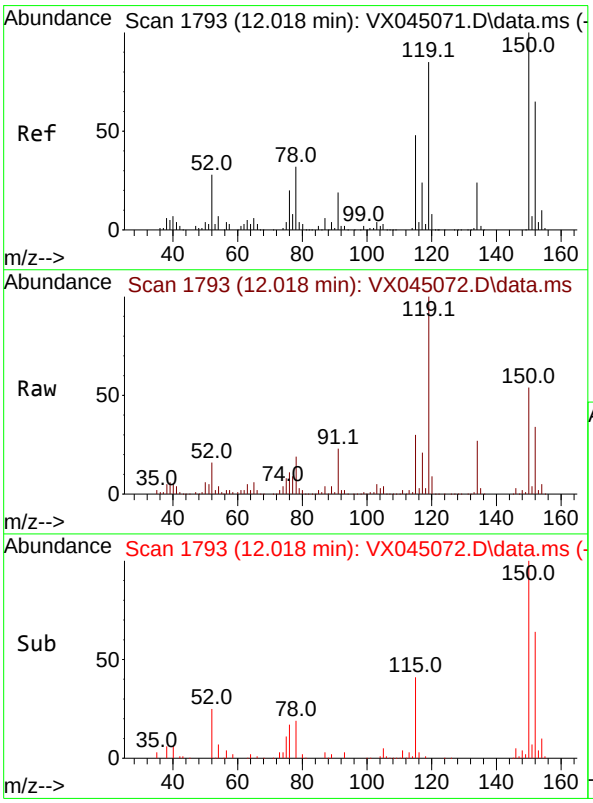
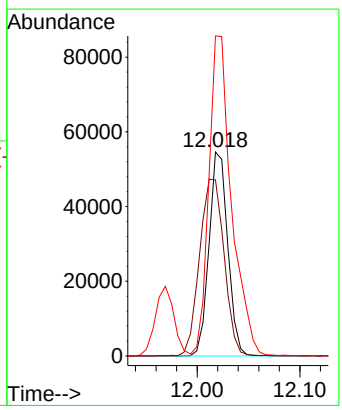
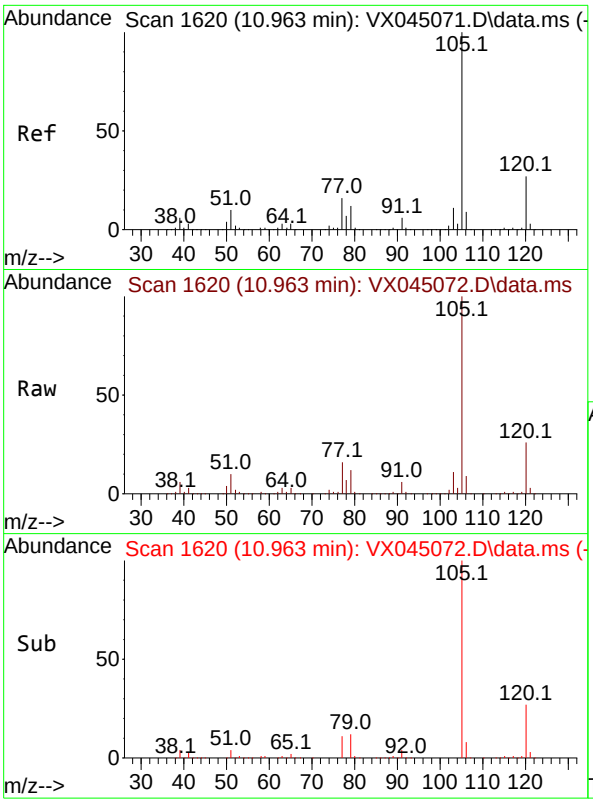


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:152 Resp: 69086

Ion	Ratio	Lower	Upper
152	100		
115	114.1	44.2	132.6
150	190.7	0.0	349.0

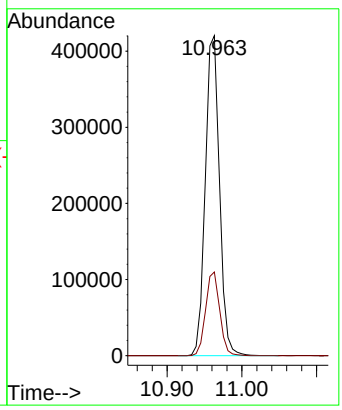




#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 55353

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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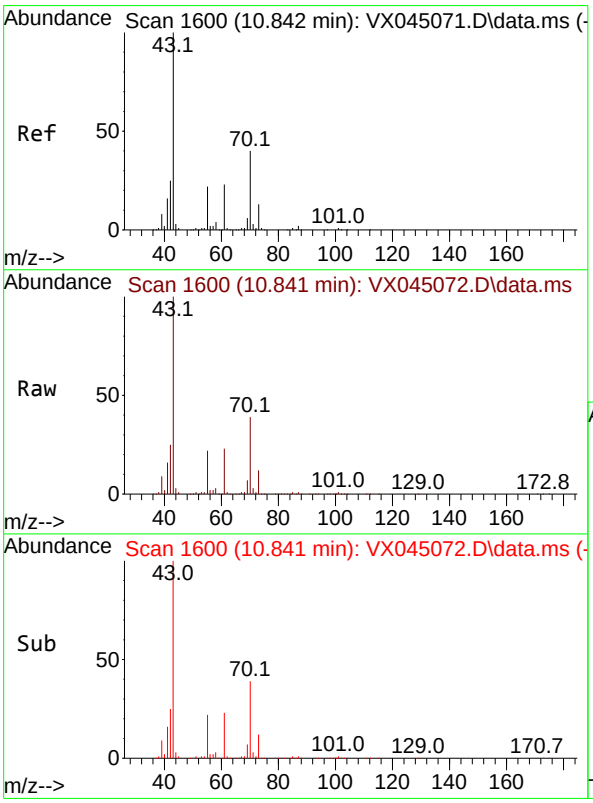
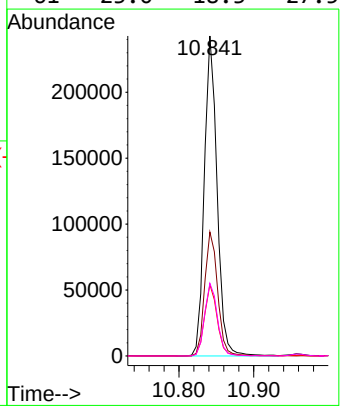
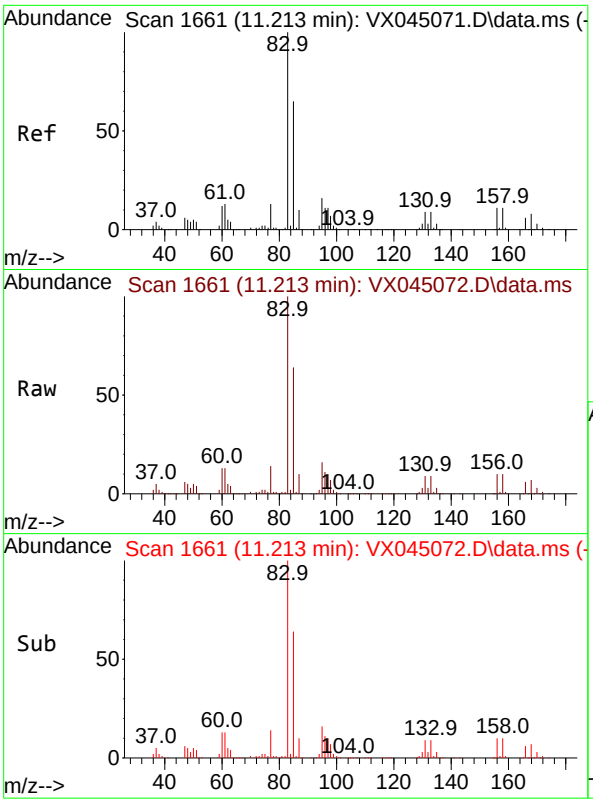


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 287104

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5

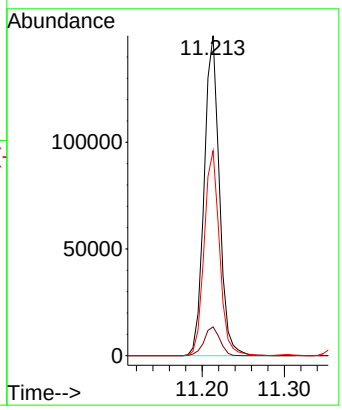




#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19221

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.7	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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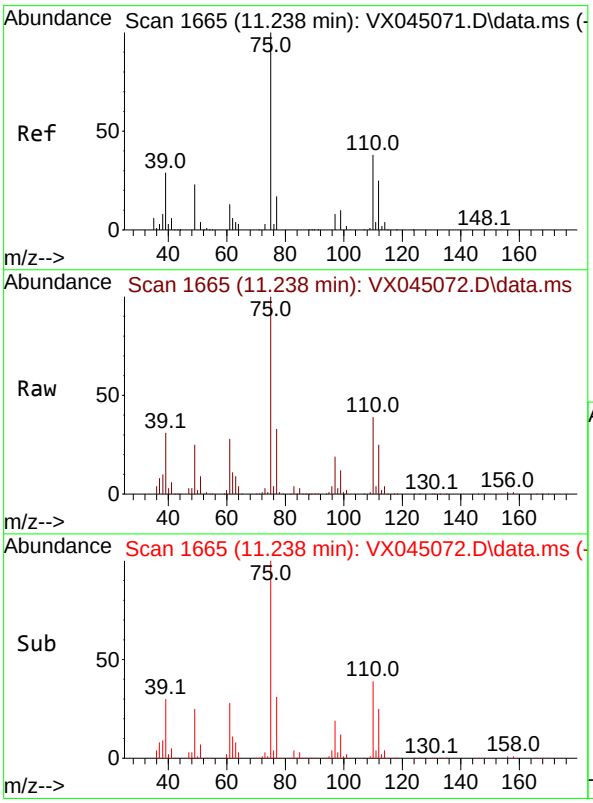
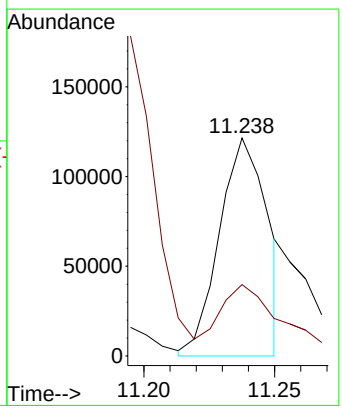
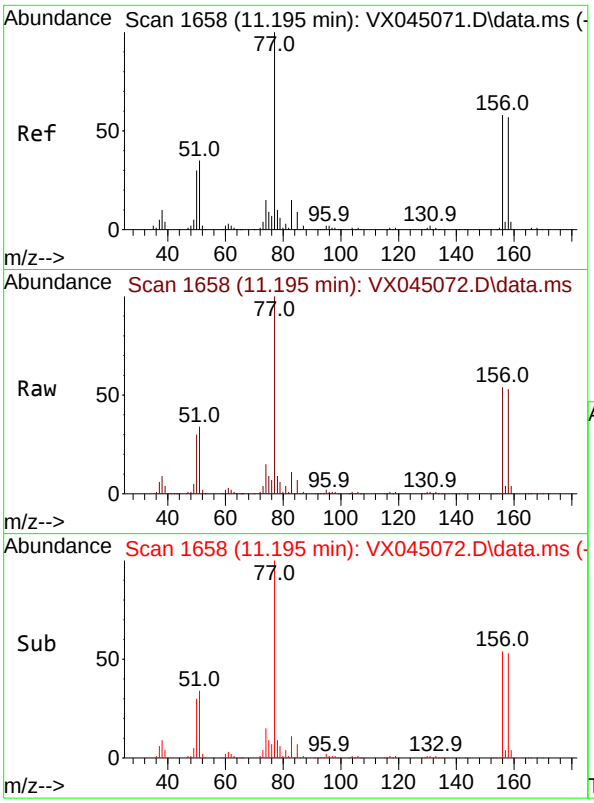


#76
1,2,3-Trichloropropane
Concen: 101.395 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 156259

Ion	Ratio	Lower	Upper
75	100		
77	42.7	20.7	62.1

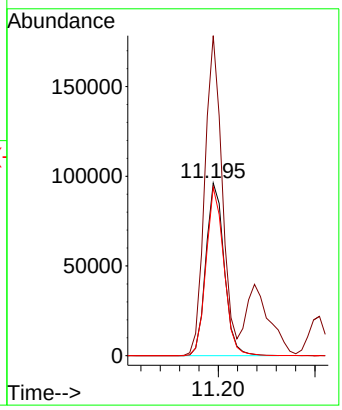




#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:156 Resp: 12570

Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	95.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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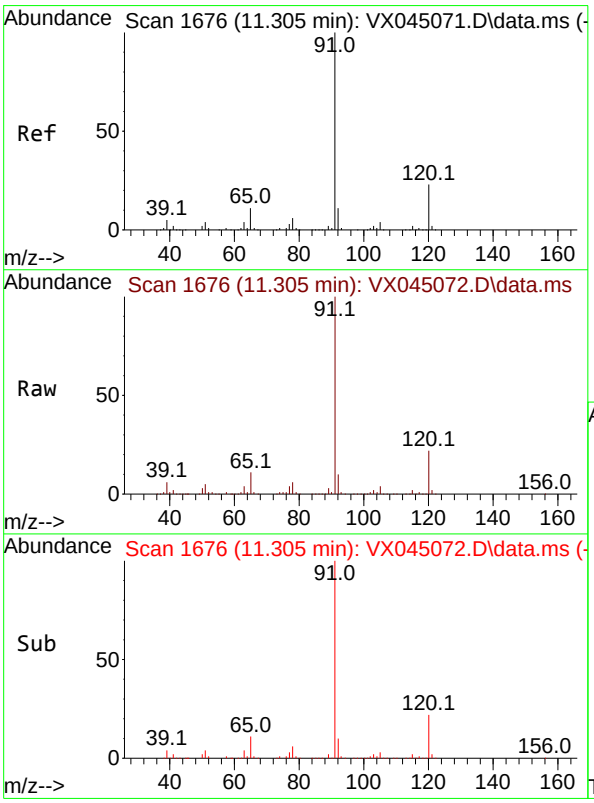
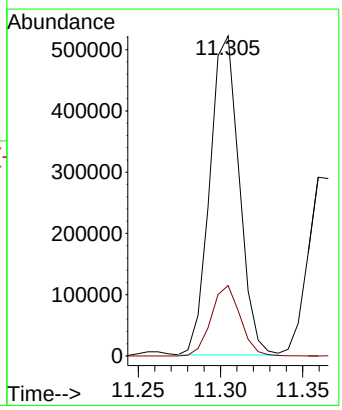
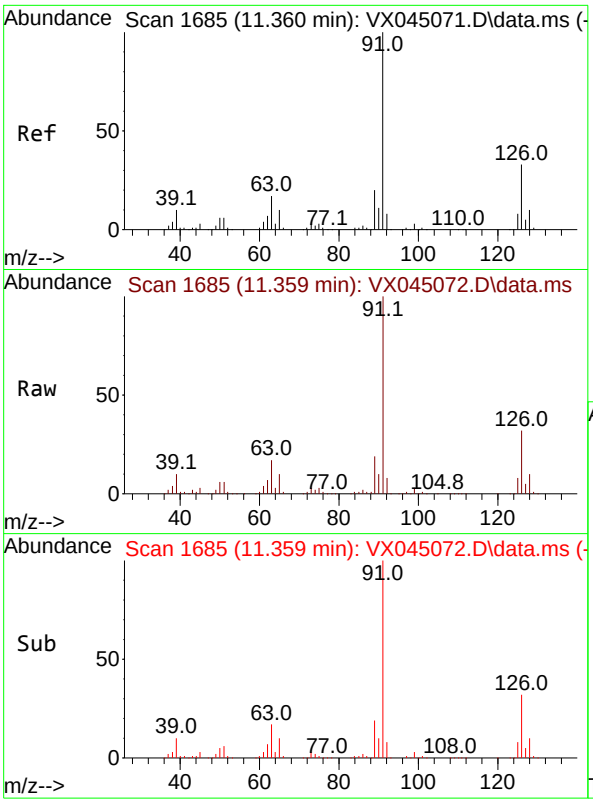


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6

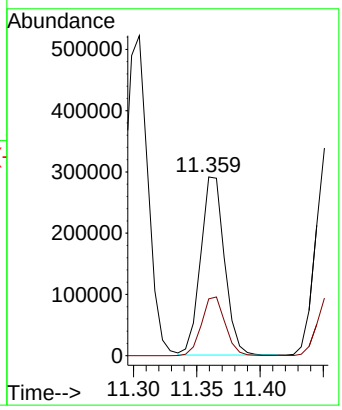




#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 38270

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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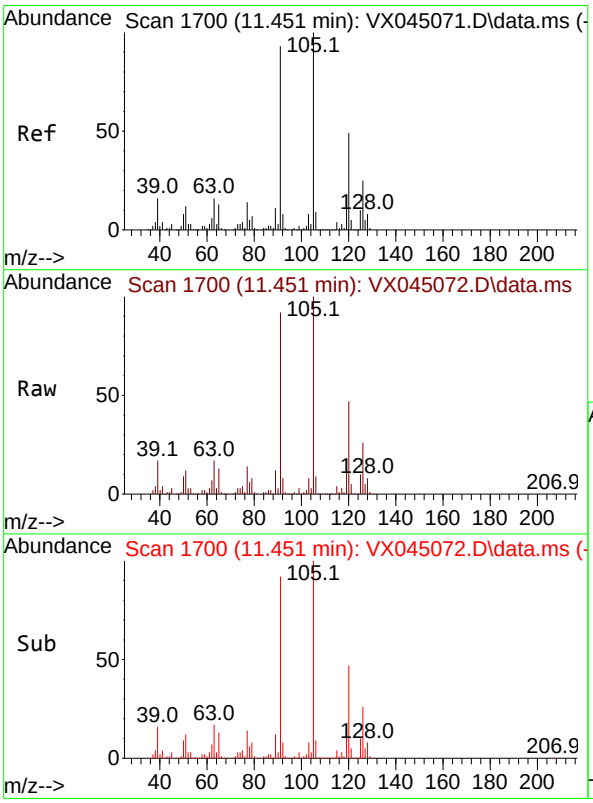
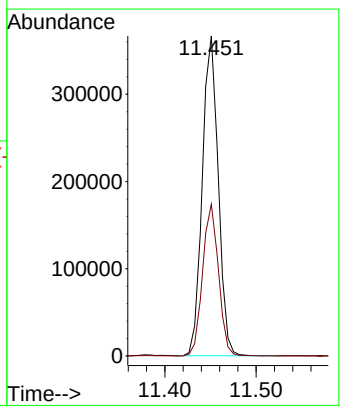
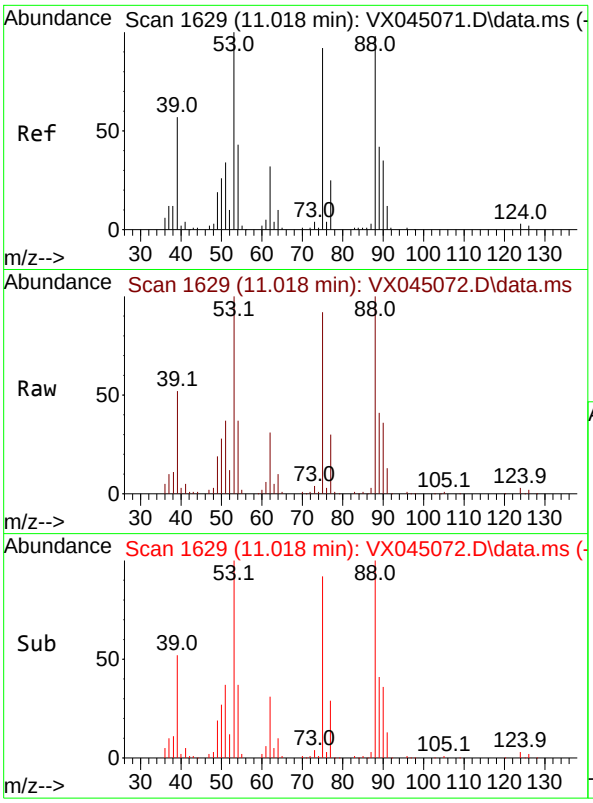


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2

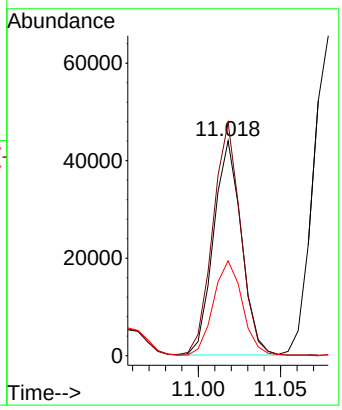




#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 5197

Ion	Ratio	Lower	Upper
75	100		
53	109.9	88.5	132.7
89	45.7	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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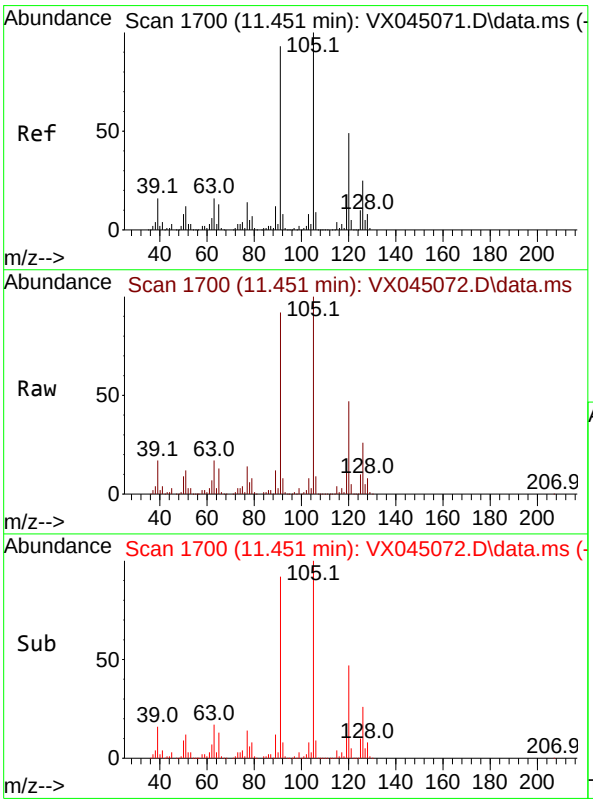
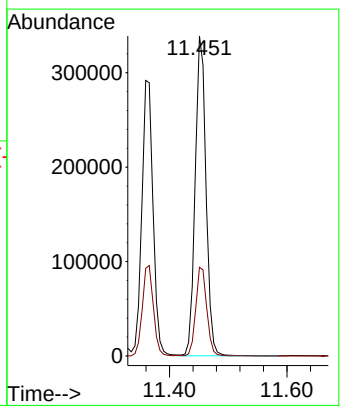
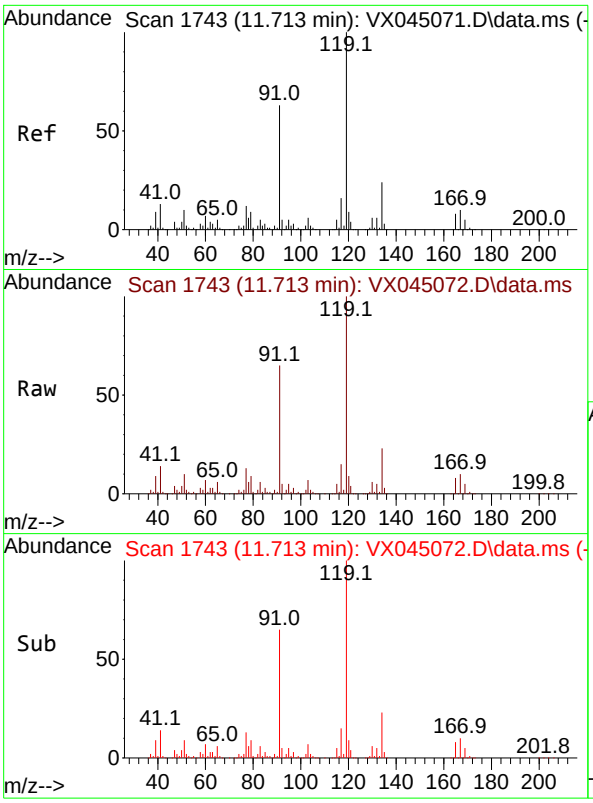


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4

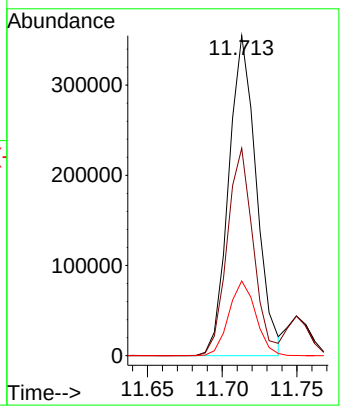




#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 45485

Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.8	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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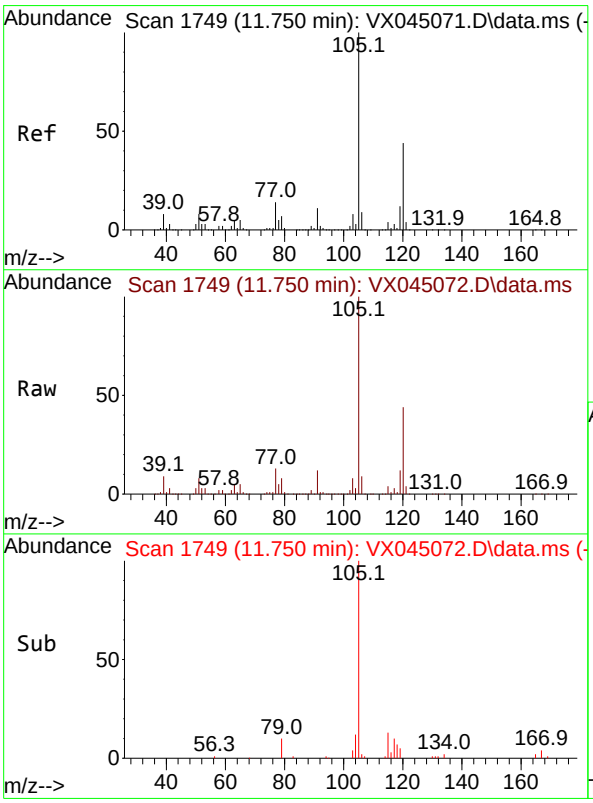
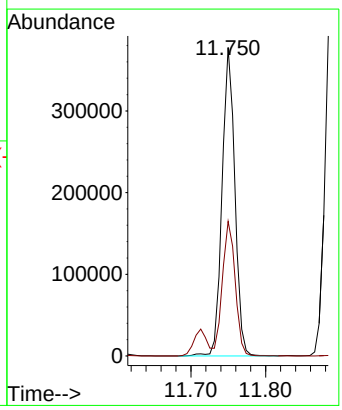
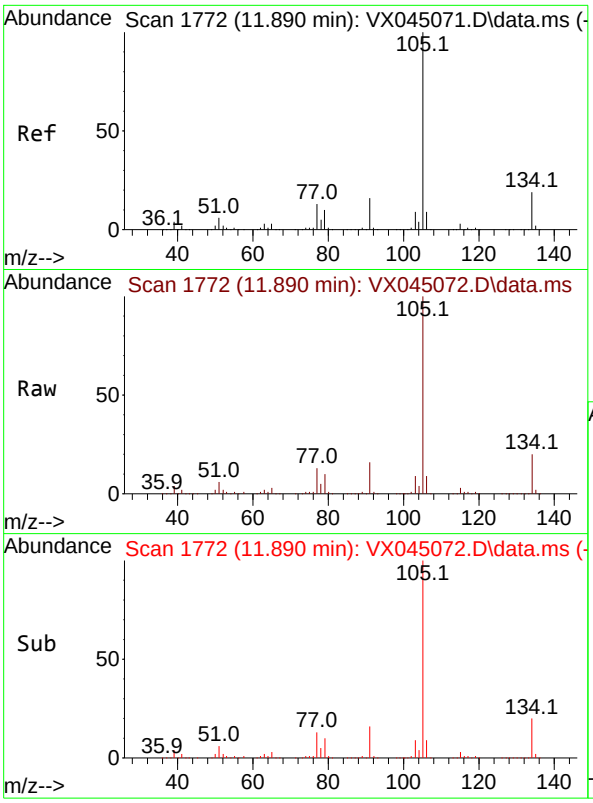


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 450108

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1

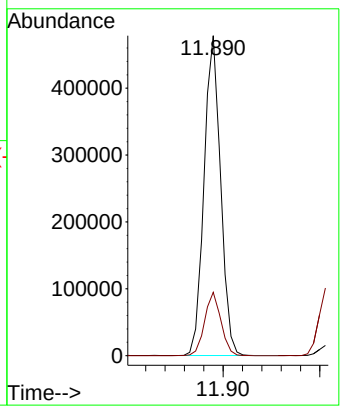




#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 57000

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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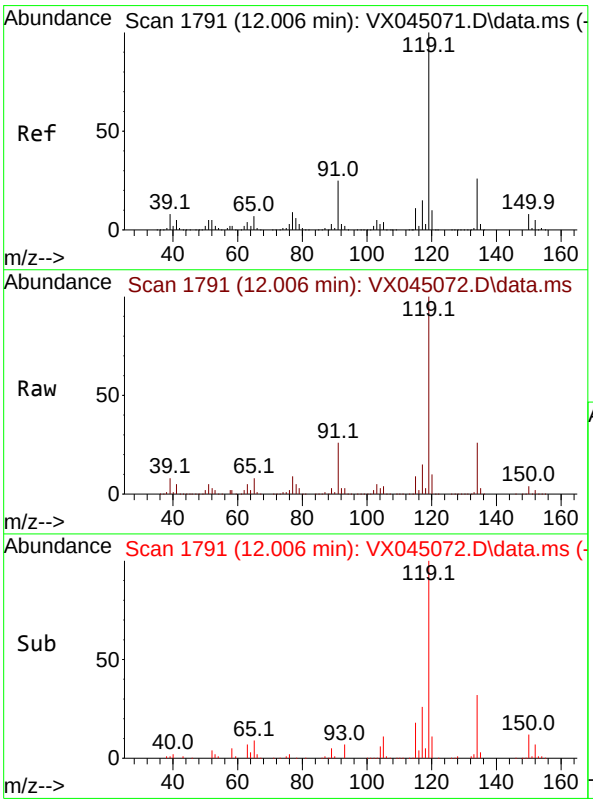
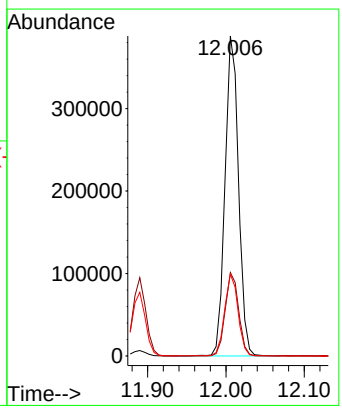
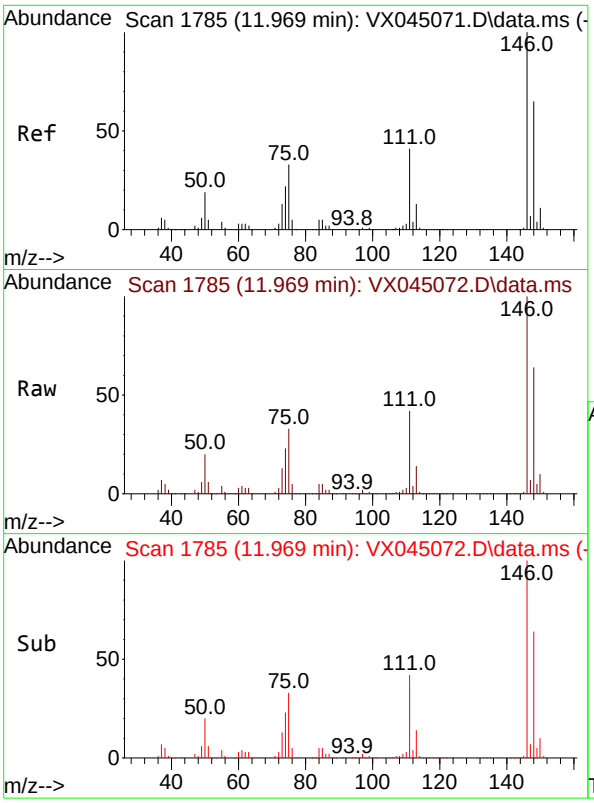


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 465512

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.3	12.7	38.0

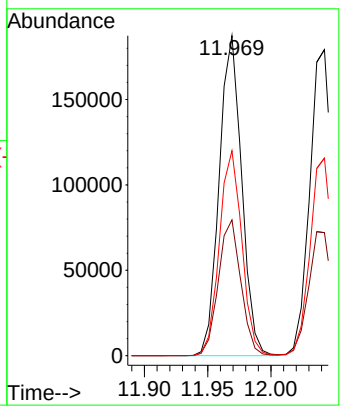




#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 23144

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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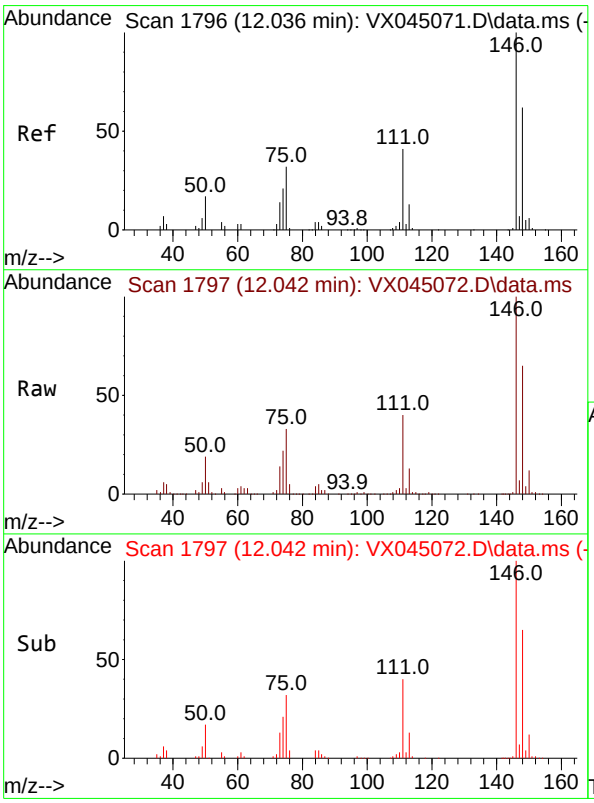
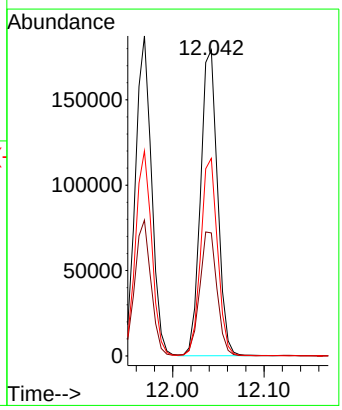
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

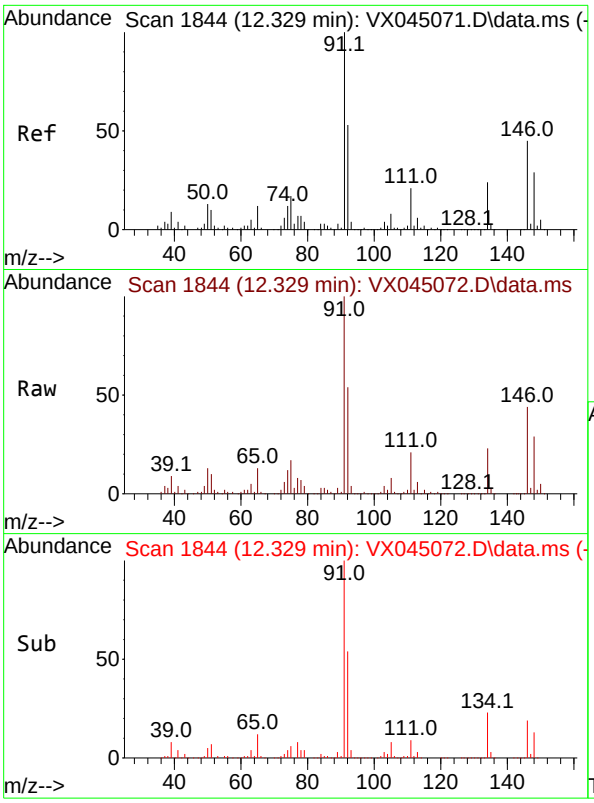


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 230663

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	63.9	31.9	95.9

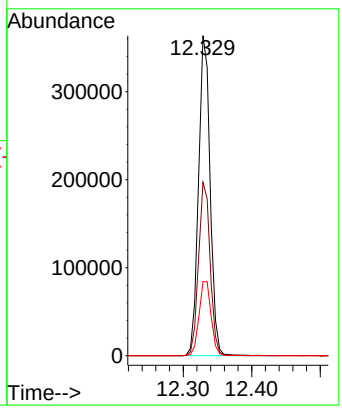




#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 42820

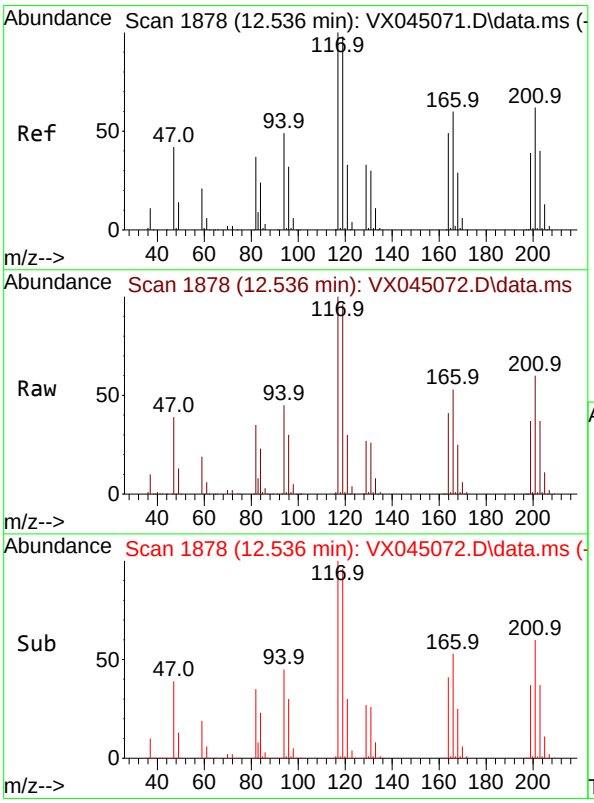
Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.2	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

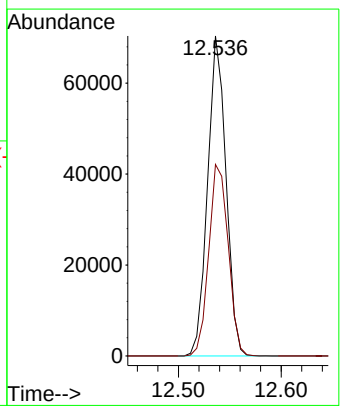
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

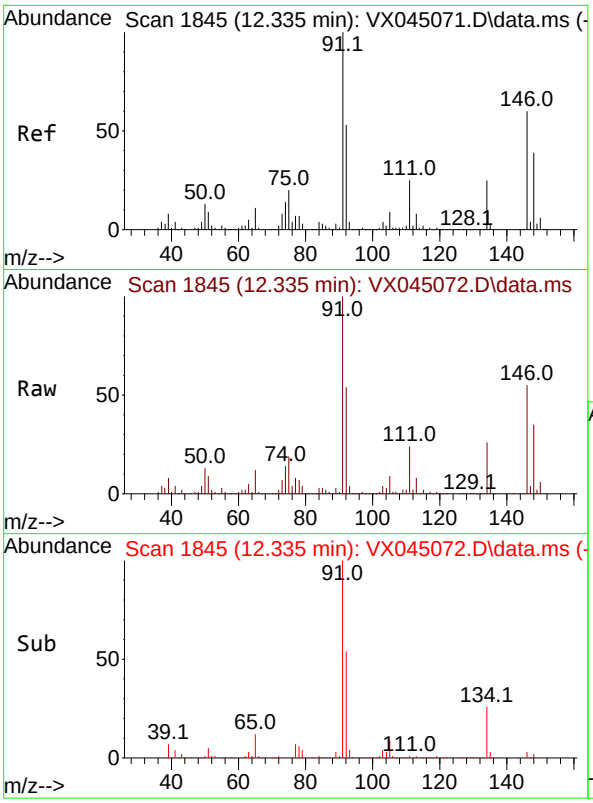


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9

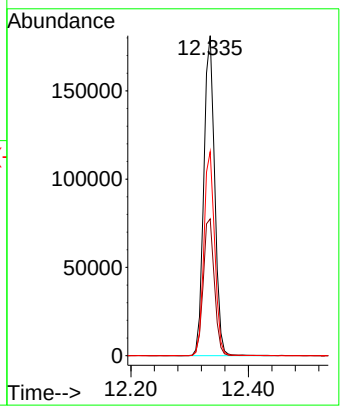




#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 23312

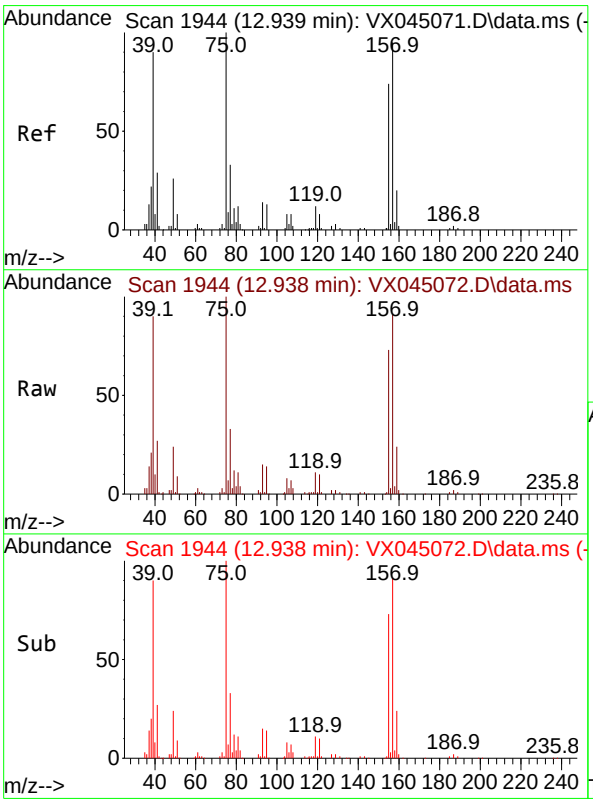
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

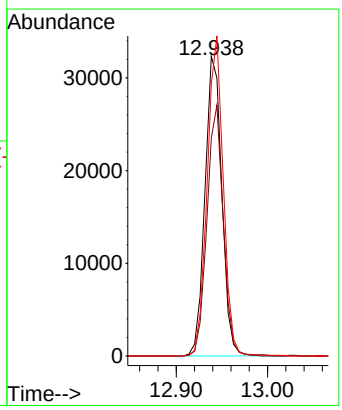
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

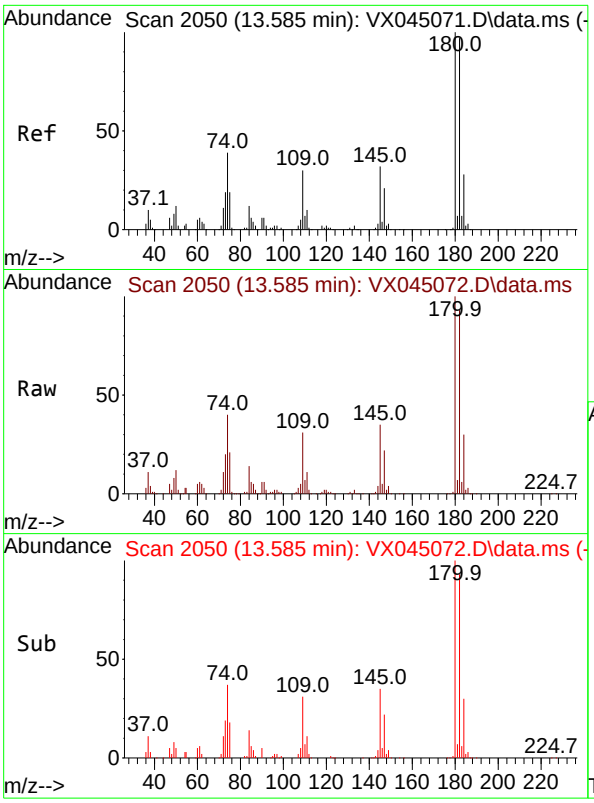


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 41402

Ion	Ratio	Lower	Upper
75	100		
155	80.6	39.6	118.7
157	101.8	51.1	153.4

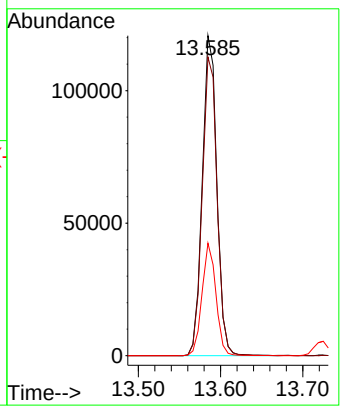




#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 14836

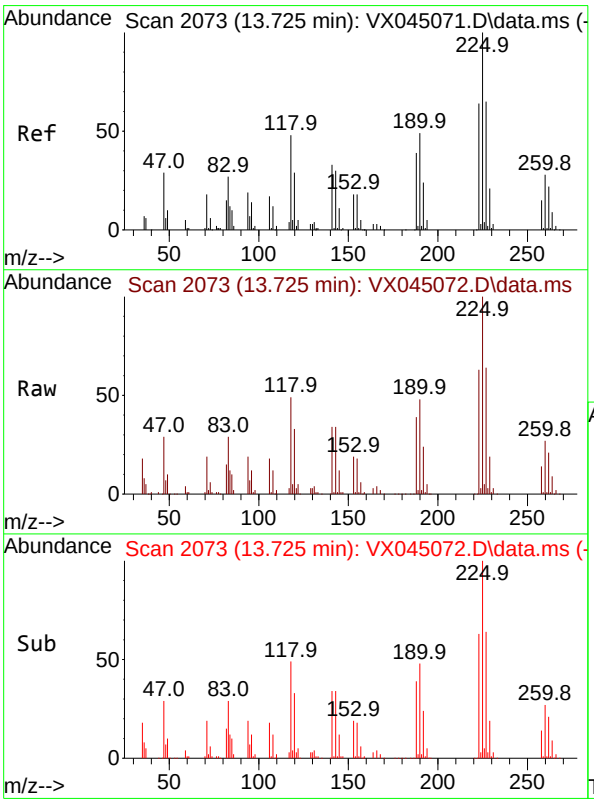
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

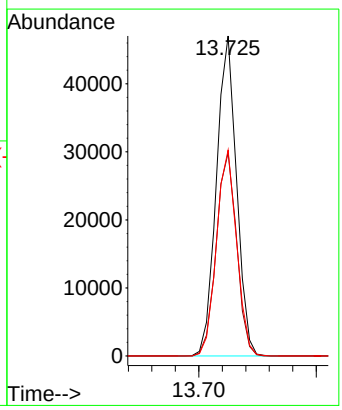
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

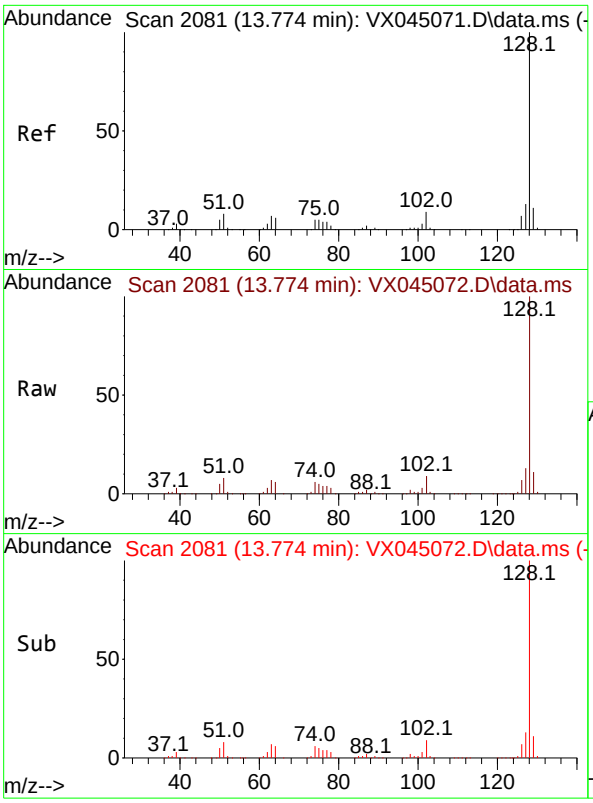


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:225 Resp: 56065

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	64.4	31.4	94.0

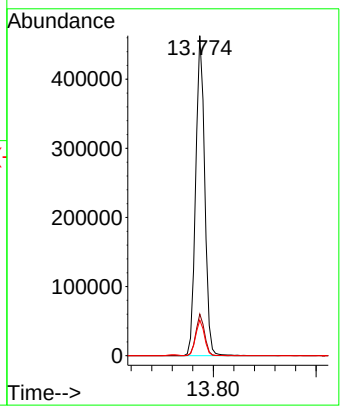




#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:128 Resp: 56525

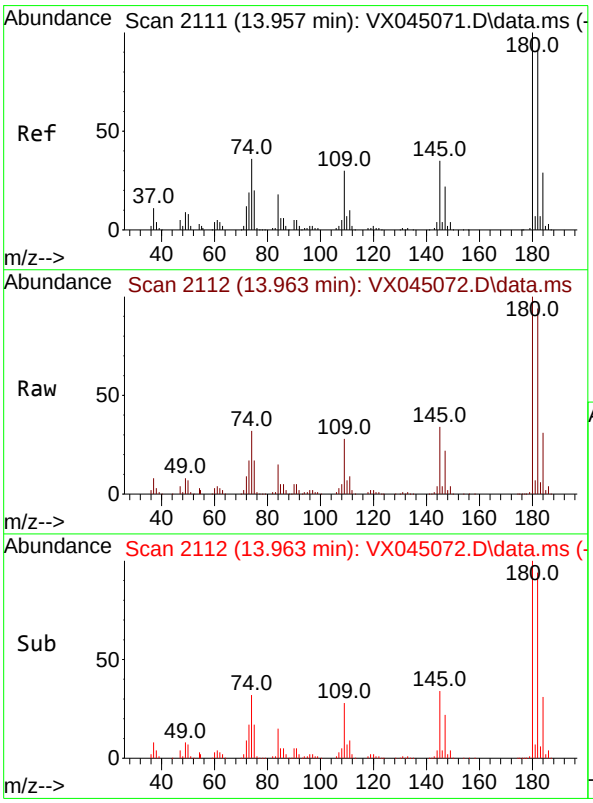
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

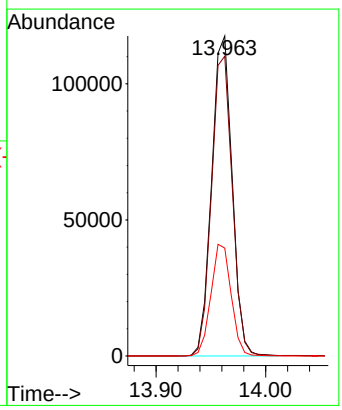
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 109.554 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 152970

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	34.5	17.0	50.9



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	95754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67685	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	234624	165.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 331.740%#			
35) Dibromofluoromethane	5.379	113	179722	155.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 310.720%#			
50) Toluene-d8	8.647	98	638979	147.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.080%#			
62) 4-Bromofluorobenzene	11.079	95	223346	154.420	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 308.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	174297	132.067	ug/l	96
3) Chloromethane	1.307	50	213704	133.072	ug/l	97
4) Vinyl Chloride	1.374	62	217672	138.774	ug/l	97
5) Bromomethane	1.593	94	83547	170.379	ug/l	98
6) Chloroethane	1.660	64	82101	137.509	ug/l	95
7) Trichlorofluoromethane	1.861	101	272235	135.494	ug/l	98
8) Diethyl Ether	2.136	74	110005	150.660	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	161825	134.877	ug/l	99
10) Methyl Iodide	2.441	142	212355	138.059	ug/l	99
11) Tert butyl alcohol	3.014	59	195415	754.176	ug/l	97
12) 1,1-Dichloroethene	2.300	96	173271	140.655	ug/l	96
13) Acrolein	2.239	56	263999	940.846	ug/l	98
14) Allyl chloride	2.654	41	308018	139.077	ug/l	98
15) Acrylonitrile	3.069	53	573208	813.990	ug/l	99
16) Acetone	2.392	43	511828	879.387	ug/l	100
17) Carbon Disulfide	2.495	76	487720	145.511	ug/l	98
18) Methyl Acetate	2.709	43	258303	147.347	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	619778	157.358	ug/l	99
20) Methylene Chloride	2.782	84	202913	147.198	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	176924	146.027	ug/l	98
22) Diisopropyl ether	3.764	45	662828	156.526	ug/l	98
23) Vinyl Acetate	3.721	43	2943150	846.586	ug/l	99
24) 1,1-Dichloroethane	3.605	63	363081	153.453	ug/l	99
25) 2-Butanone	4.568	43	818497	872.239	ug/l	99
26) 2,2-Dichloropropane	4.465	77	179826	102.231	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	220826	151.205	ug/l	98
28) Bromochloromethane	4.891	49	171273	150.105	ug/l	100
29) Tetrahydrofuran	5.007	42	528574	850.174	ug/l	99
30) Chloroform	5.093	83	351934	152.067	ug/l	97
31) Cyclohexane	5.458	56	302215	139.174	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	294434	151.120	ug/l	100
36) 1,1-Dichloropropene	5.684	75	241405	145.112	ug/l	100
37) Ethyl Acetate	4.721	43	316250	167.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	245917	150.363	ug/l	99
39) Methylcyclohexane	7.373	83	292216	137.544	ug/l	97
40) Benzene	6.031	78	755854	145.368	ug/l	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	175023	173.088	ug/l		99
42) 1,2-Dichloroethane	6.080	62	276129	163.872	ug/l		99
43) Isopropyl Acetate	6.342	43	511643	169.804	ug/l		99
44) Trichloroethene	7.123	130	178483	150.181	ug/l		97
45) 1,2-Dichloropropane	7.428	63	198135	153.334	ug/l		100
46) Dibromomethane	7.580	93	142119	157.443	ug/l		99
47) Bromodichloromethane	7.818	83	280255	160.492	ug/l		99
48) Methyl methacrylate	7.696	41	252275	176.370	ug/l		99
49) 1,4-Dioxane	7.665	88	96268	3166.423	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1536157	832.051	ug/l		99
52) Toluene	8.714	92	448664	145.321	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	266444	154.373	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	293521	152.117	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	178217	149.046	ug/l		98
56) Ethyl methacrylate	9.116	69	310992	162.631	ug/l		98
57) 1,3-Dichloropropane	9.305	76	312196	149.699	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	717328	764.019	ug/l		99
59) 2-Hexanone	9.433	43	1156653	868.492	ug/l		100
60) Dibromochloromethane	9.519	129	201906	158.276	ug/l		99
61) 1,2-Dibromoethane	9.610	107	185828	154.074	ug/l		100
64) Tetrachloroethene	9.269	164	139536	145.906	ug/l		94
65) Chlorobenzene	10.079	112	472117	146.096	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	163370	156.845	ug/l		97
67) Ethyl Benzene	10.189	91	852575	149.191	ug/l		99
68) m/p-Xylenes	10.299	106	607523	288.655	ug/l		97
69) o-Xylene	10.640	106	302495	143.259	ug/l		99
70) Styrene	10.653	104	512379	150.979	ug/l		99
71) Bromoform	10.799	173	135388	174.808	ug/l	#	99
73) Isopropylbenzene	10.963	105	780706	142.719	ug/l		99
74) N-amyl acetate	10.842	43	429686	173.042	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	283558	150.458	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	229435m	151.960	ug/l		
77) Bromobenzene	11.195	156	180997	145.760	ug/l		96
78) n-propylbenzene	11.305	91	923593	146.395	ug/l		99
79) 2-Chlorotoluene	11.366	91	548695	141.695	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	635832	143.293	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	82267	147.761	ug/l		98
82) 4-Chlorotoluene	11.451	91	627816	146.464	ug/l		99
83) tert-Butylbenzene	11.713	119	641713	142.974	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	647248	148.135	ug/l		100
85) sec-Butylbenzene	11.890	105	807713	145.383	ug/l		100
86) p-Isopropyltoluene	12.006	119	664916	149.075	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	334751	147.488	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	333594	145.189	ug/l		99
89) n-Butylbenzene	12.329	91	620757	158.324	ug/l		99
90) Hexachloroethane	12.536	117	128582	154.554	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	329318	147.436	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64958	186.240	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	219313	162.416	ug/l		99
94) Hexachlorobutadiene	13.725	225	80241	149.034	ug/l		99
95) Naphthalene	13.774	128	828949	168.538	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	222608	162.727	ug/l		99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

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

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

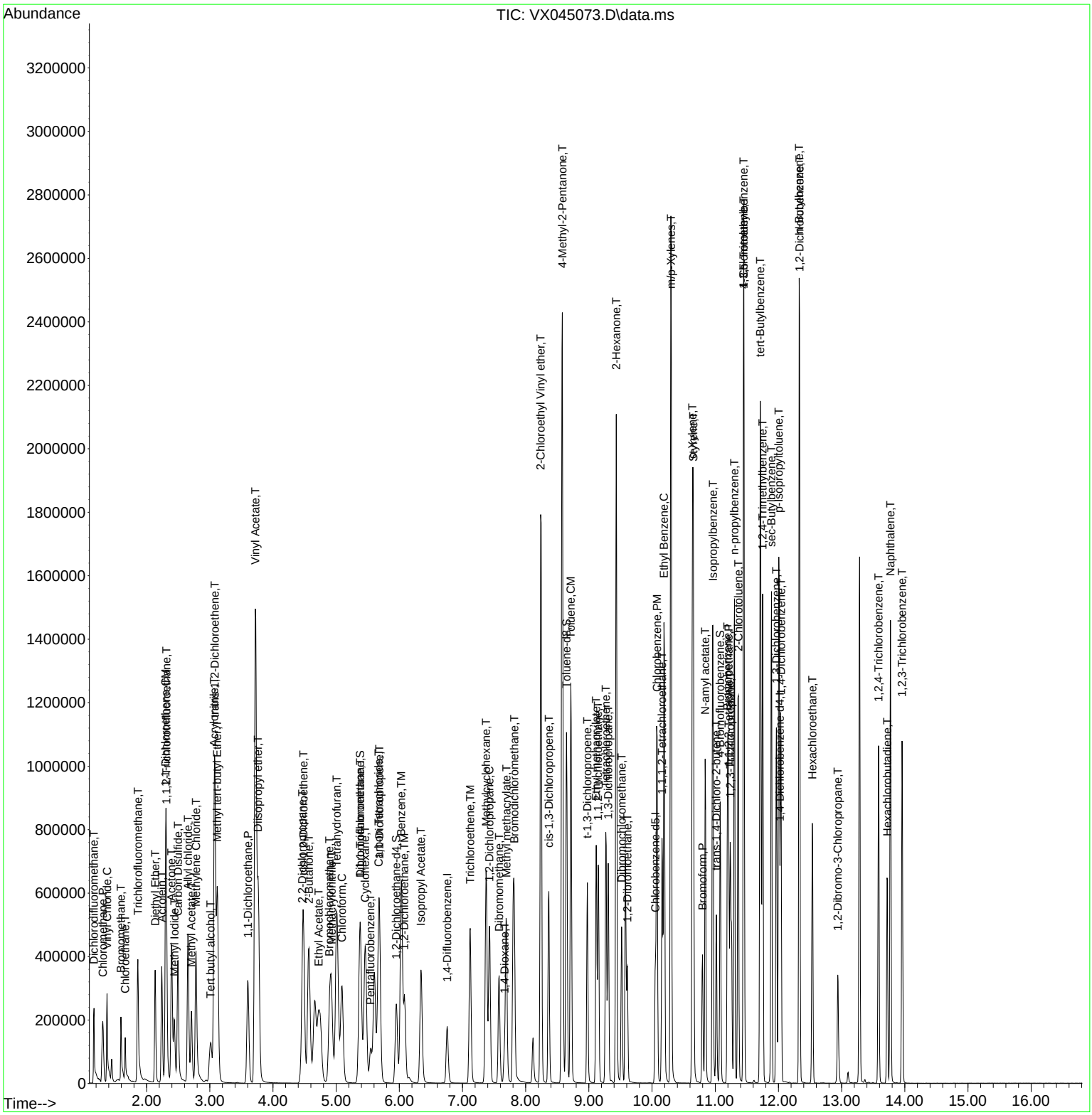
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

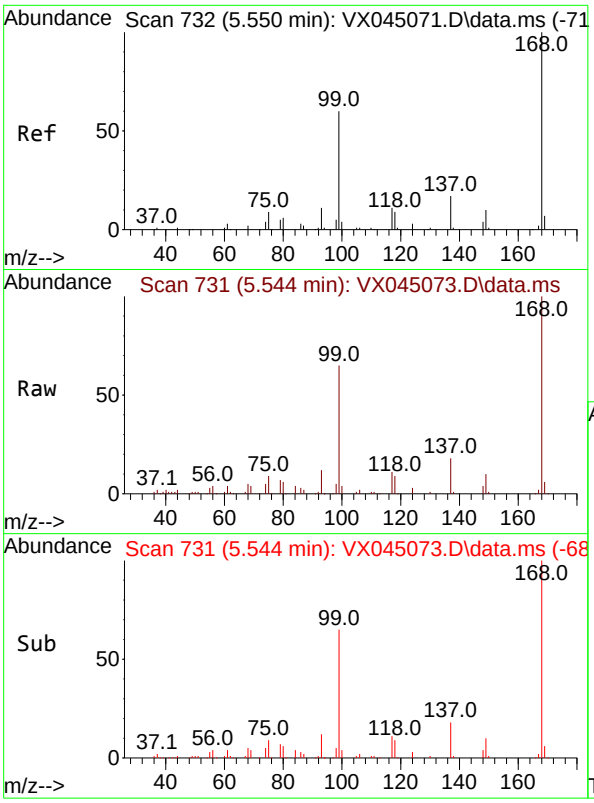
Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

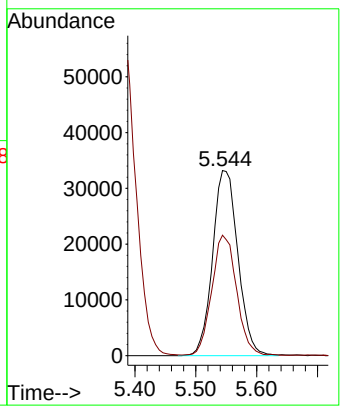




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:168 Resp: 9575

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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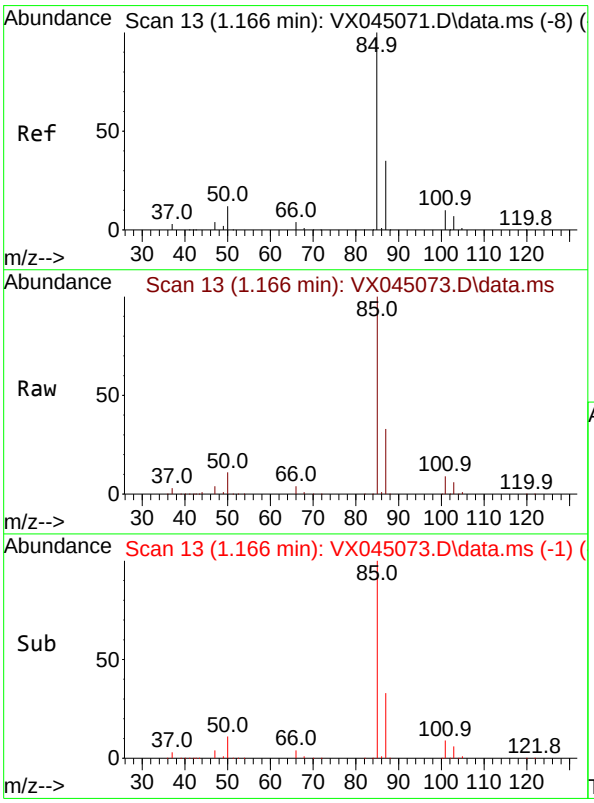
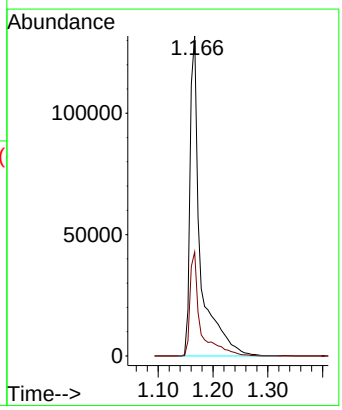
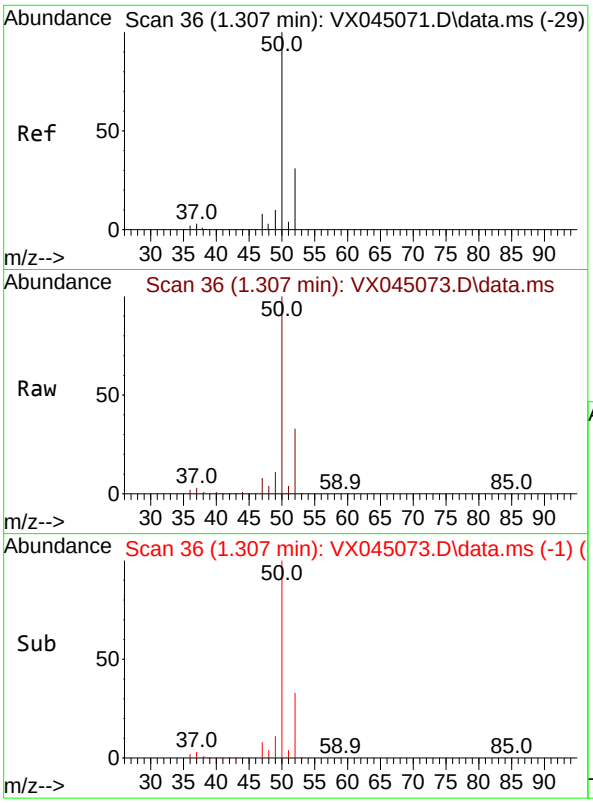


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 85 Resp: 174297

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3

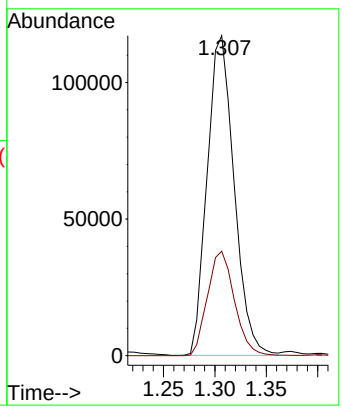




#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 50 Resp: 21370

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4



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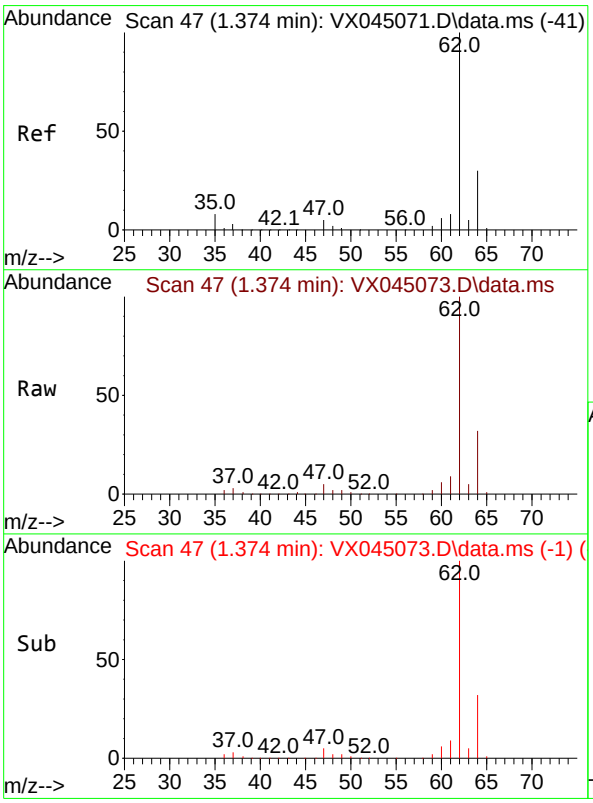
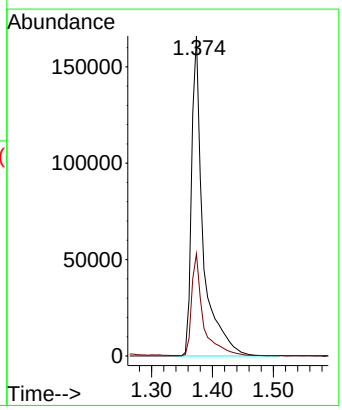
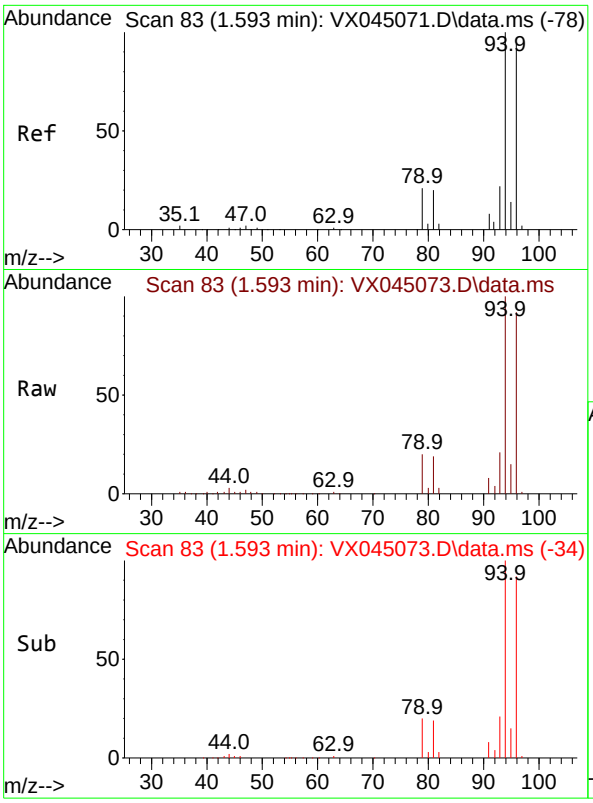


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.3	36.5

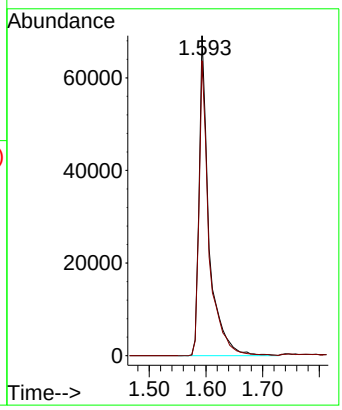




#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 94 Resp: 8354

Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4



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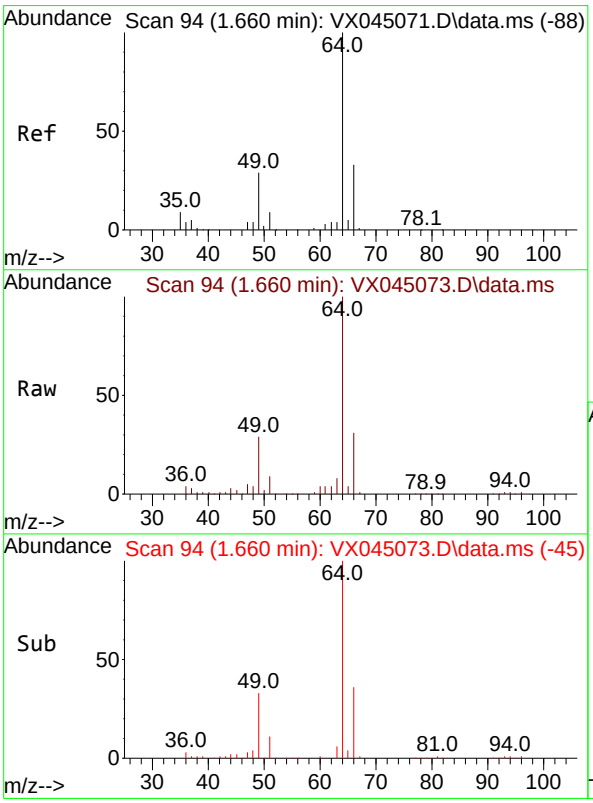
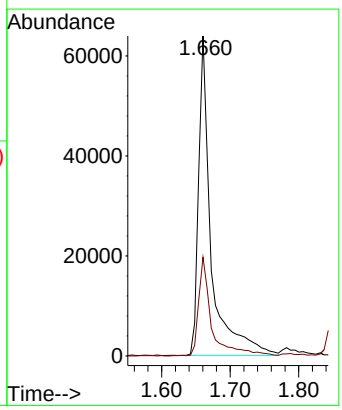
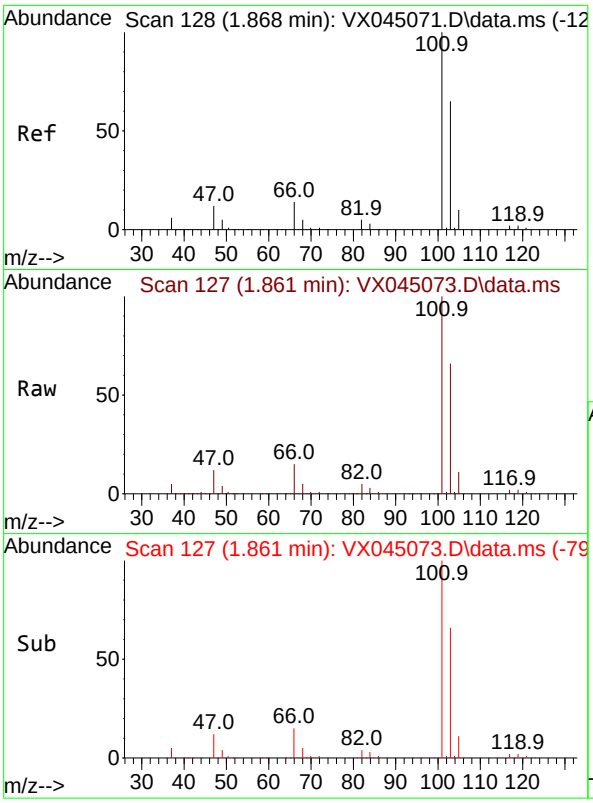


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1

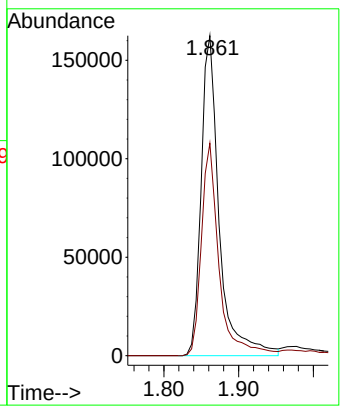




#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:101 Resp: 27223

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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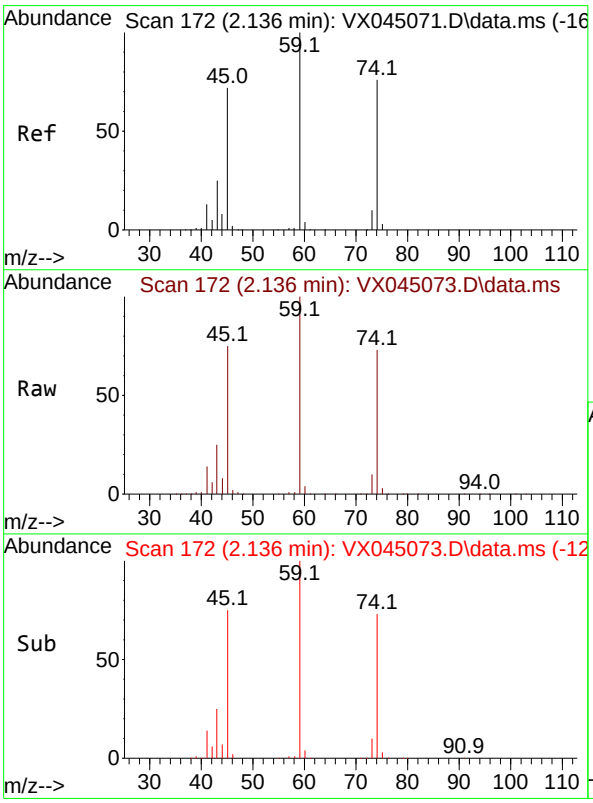
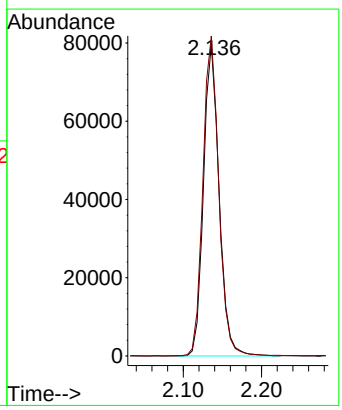
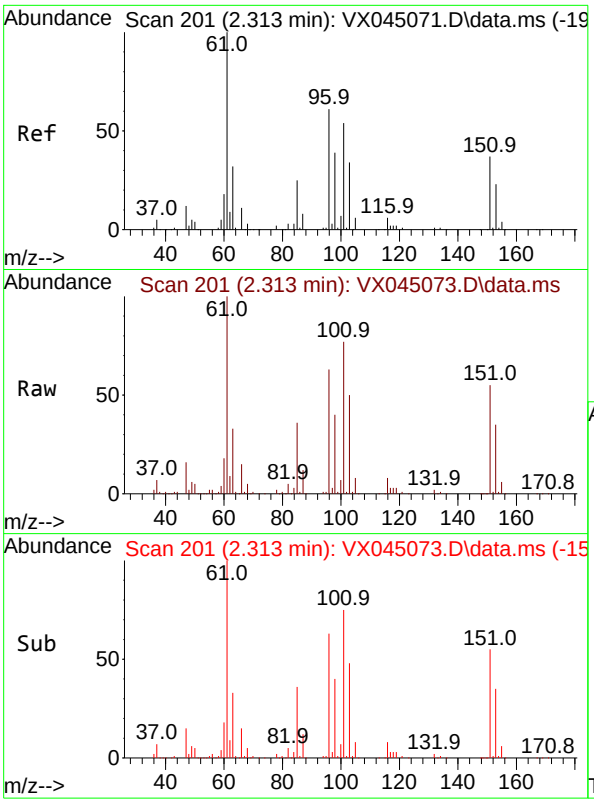


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005

Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.5	154.5

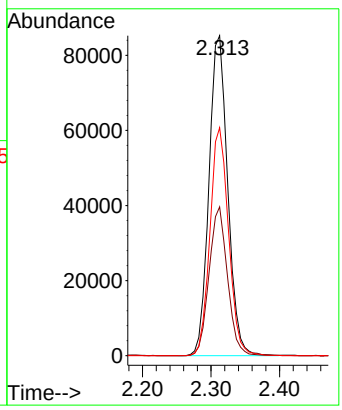




#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:101 Resp: 16182

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	70.8	56.4	84.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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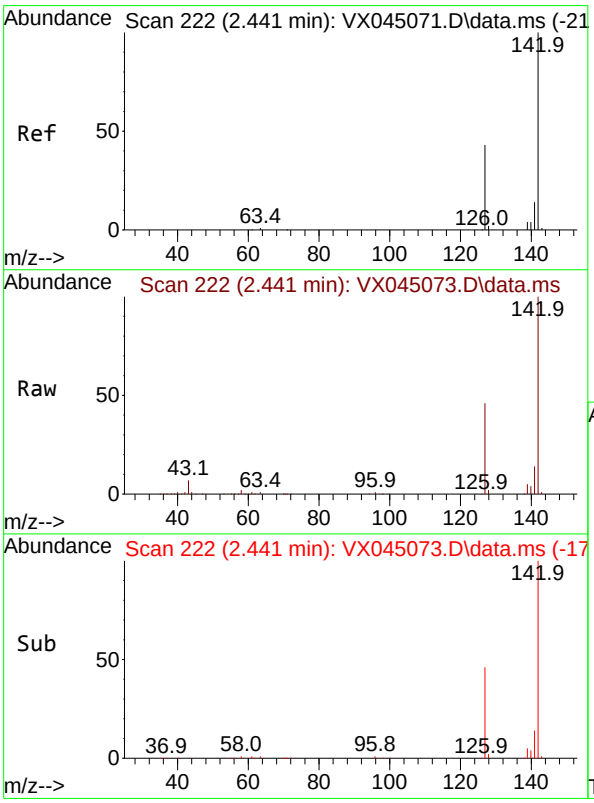
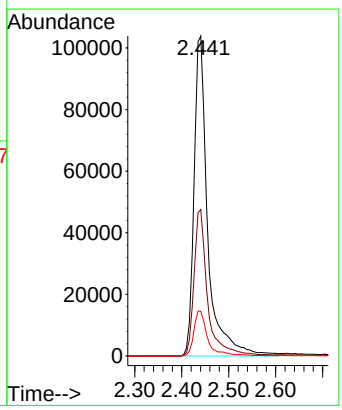
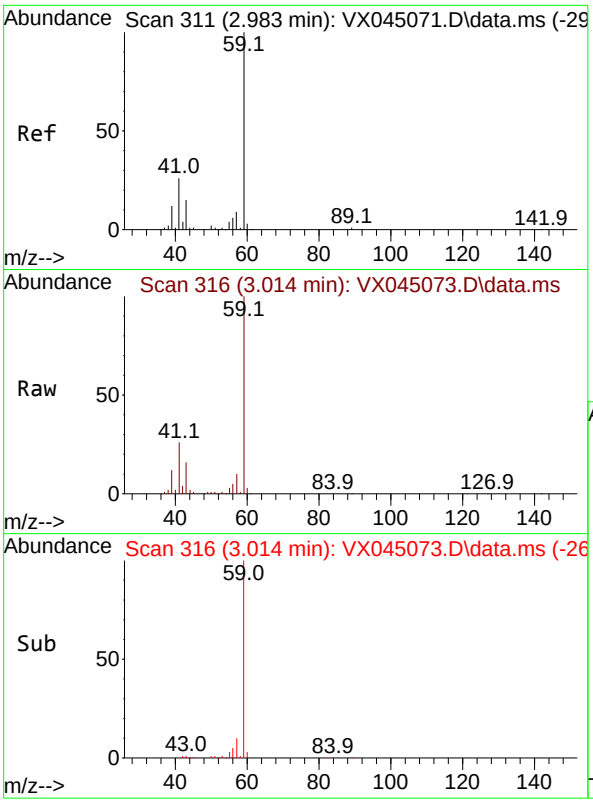


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:142 Resp: 212355

Ion	Ratio	Lower	Upper
142	100		
127	45.2	35.4	53.2
141	14.3	11.6	17.4

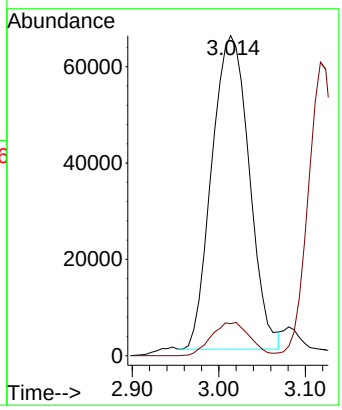




#11
Tert butyl alcohol
Concen: 754.176 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.030 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 59 Resp: 19541

Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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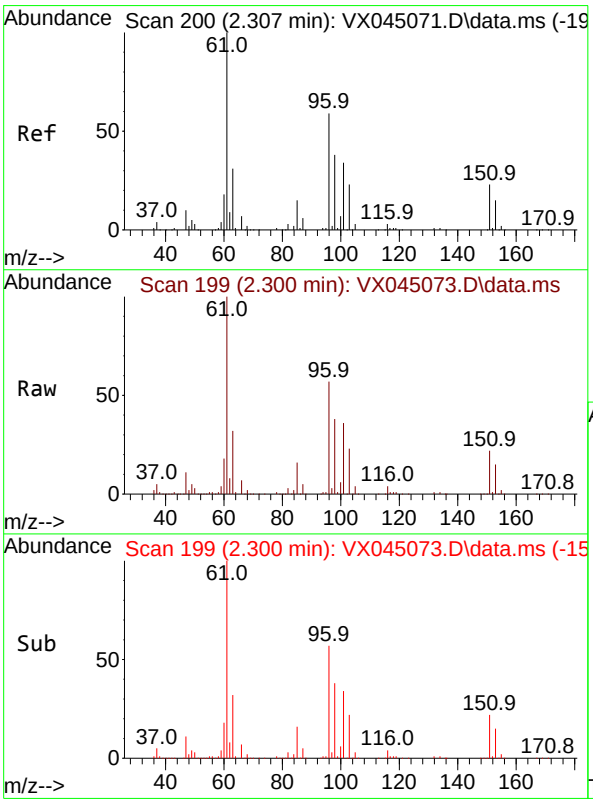
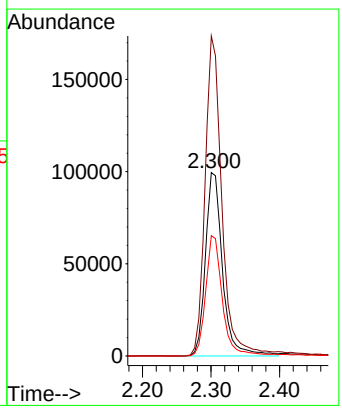
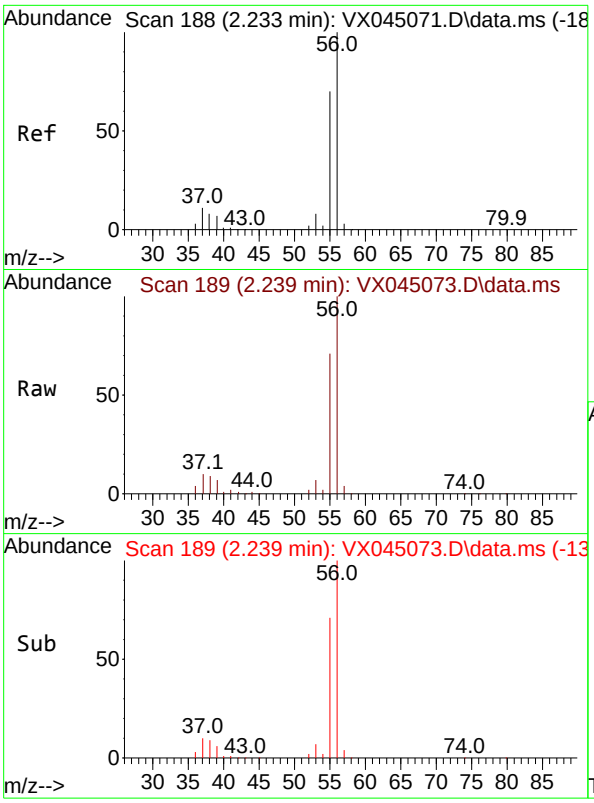


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 173271

Ion	Ratio	Lower	Upper
96	100		
61	174.5	134.6	202.0
98	65.6	51.0	76.6

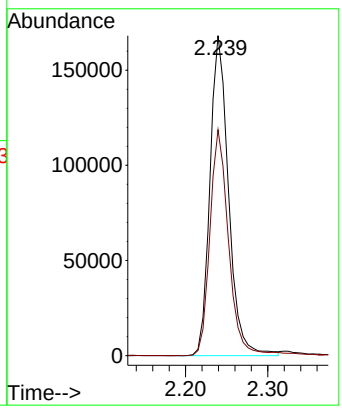




#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 26399

Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4



Instrument :
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ClientSampleId :
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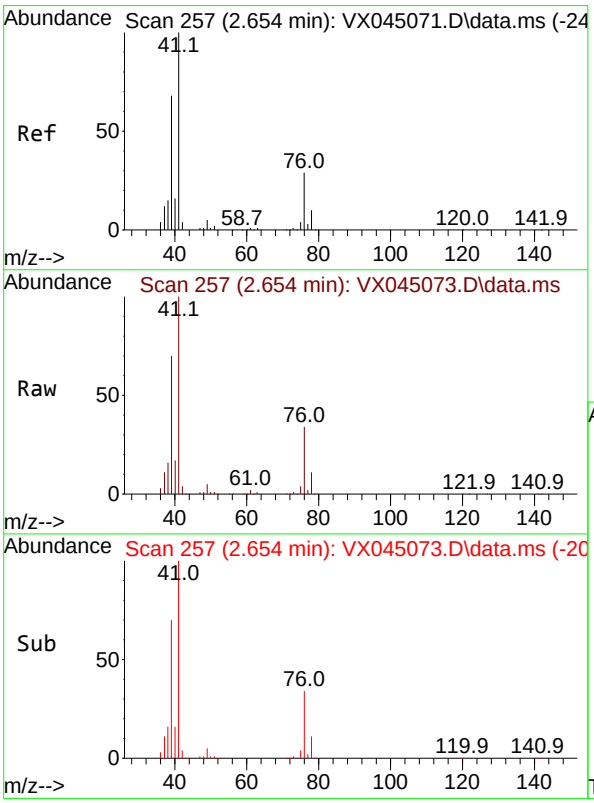
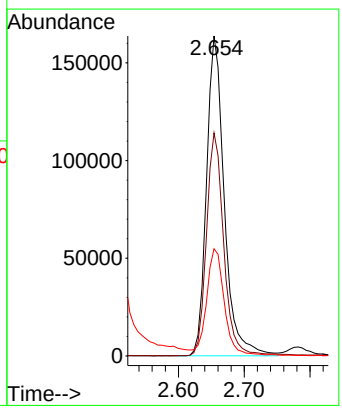
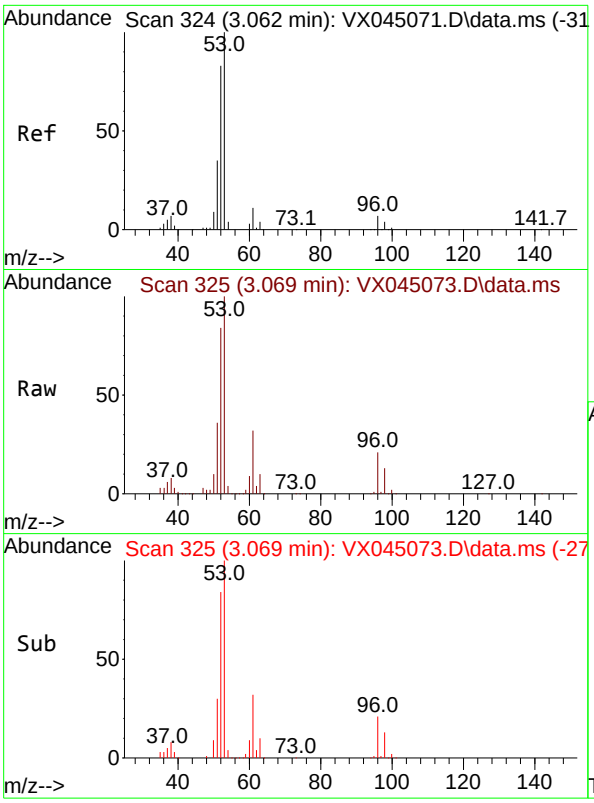


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 308018

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.8	80.8
76	33.8	25.2	37.8

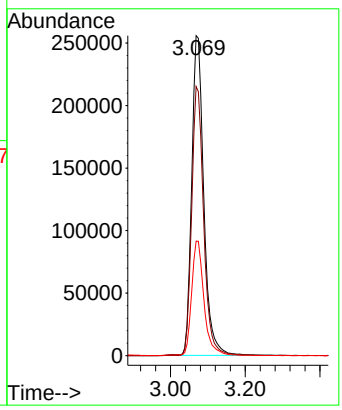




#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 53 Resp: 57320

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	37.0	29.0	43.4



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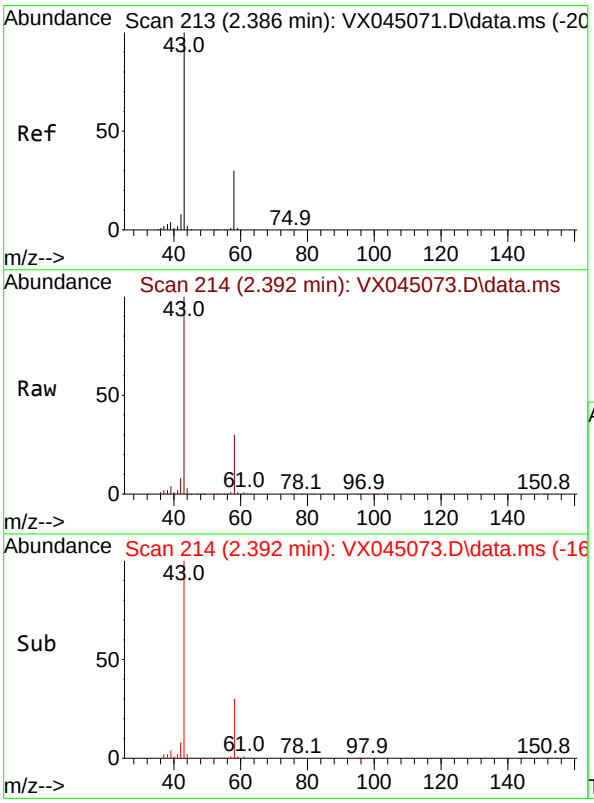
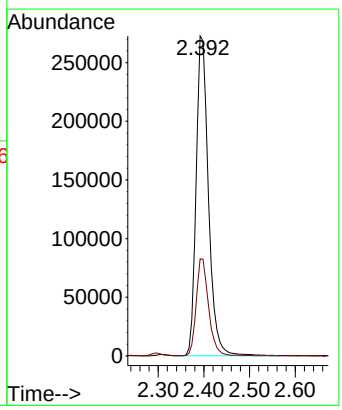
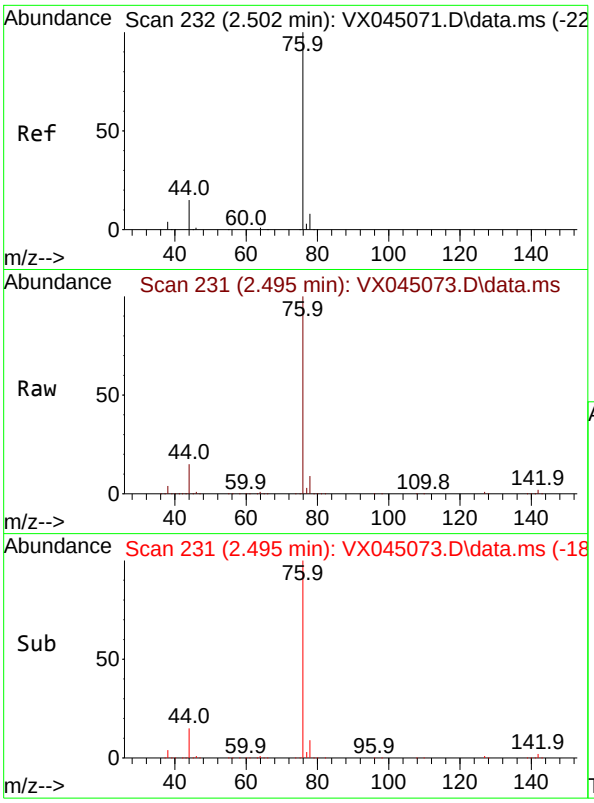


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4

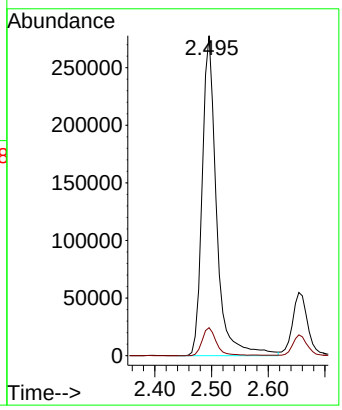




#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 48772

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8



Instrument :
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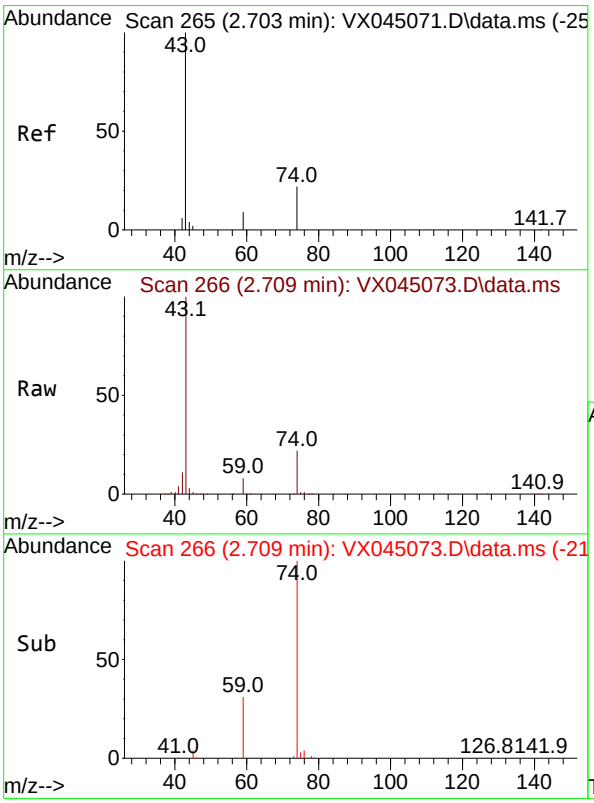
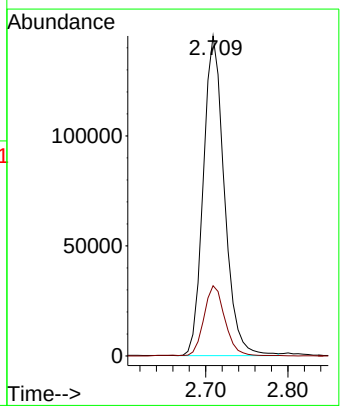
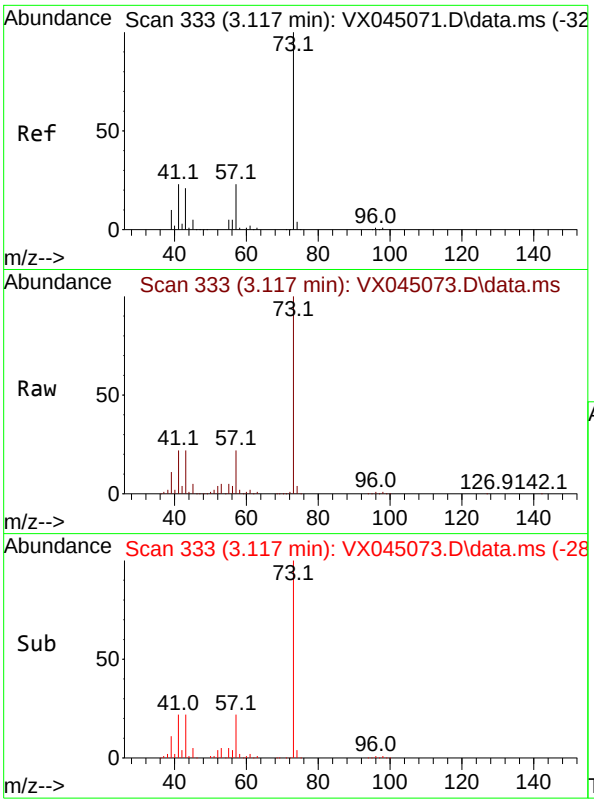


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 258303

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2

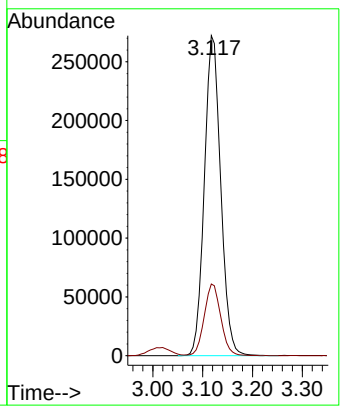




#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 73 Resp: 61977

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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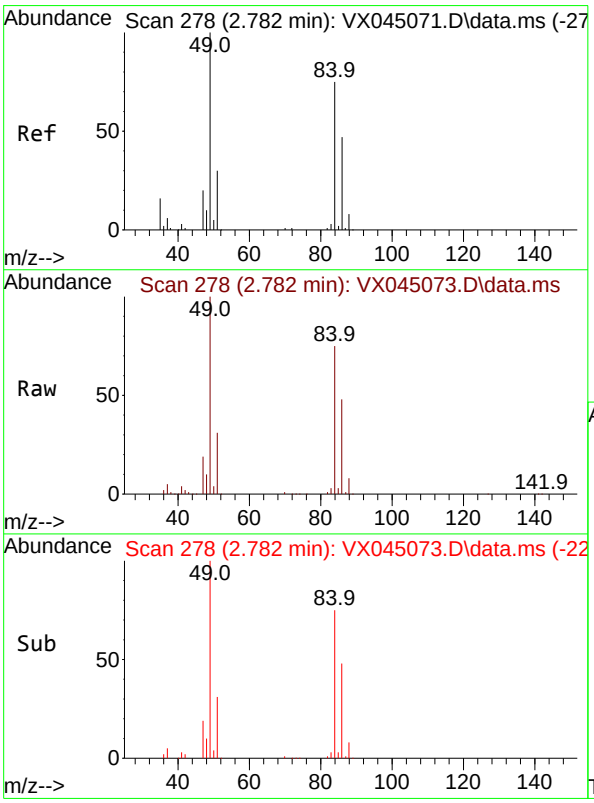
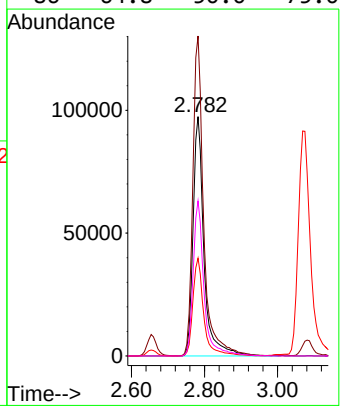
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

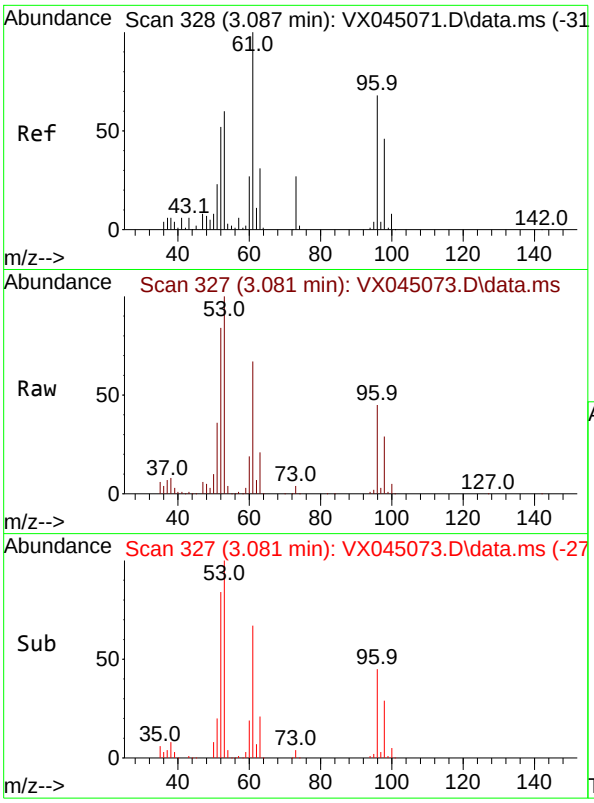


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 84 Resp: 202913

Ion	Ratio	Lower	Upper
84	100		
49	133.6	106.5	159.7
51	40.9	32.1	48.1
86	64.8	50.0	75.0

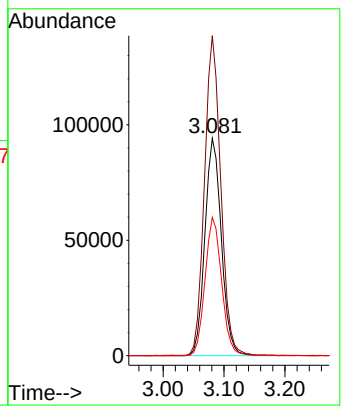




#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 17692

Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.0	175.4
98	63.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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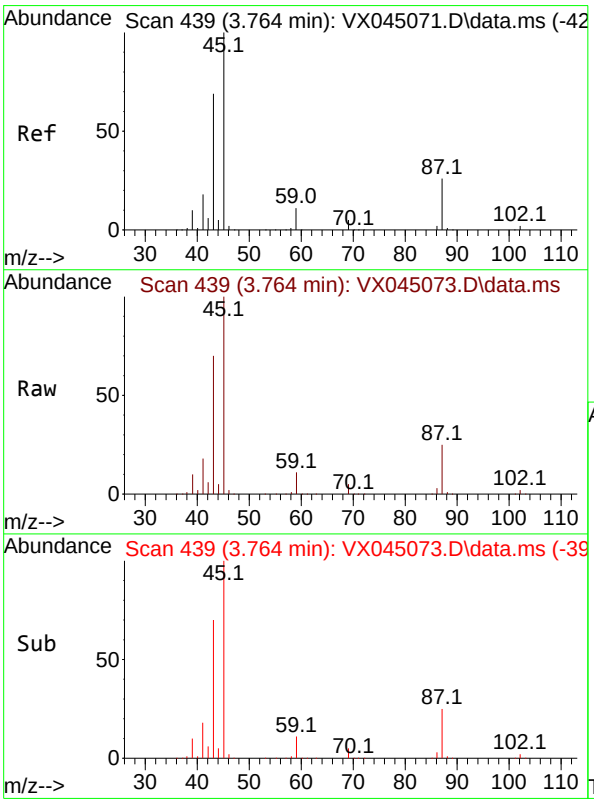
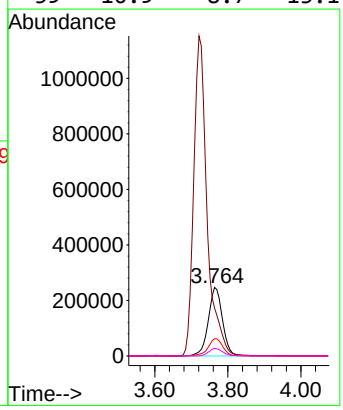
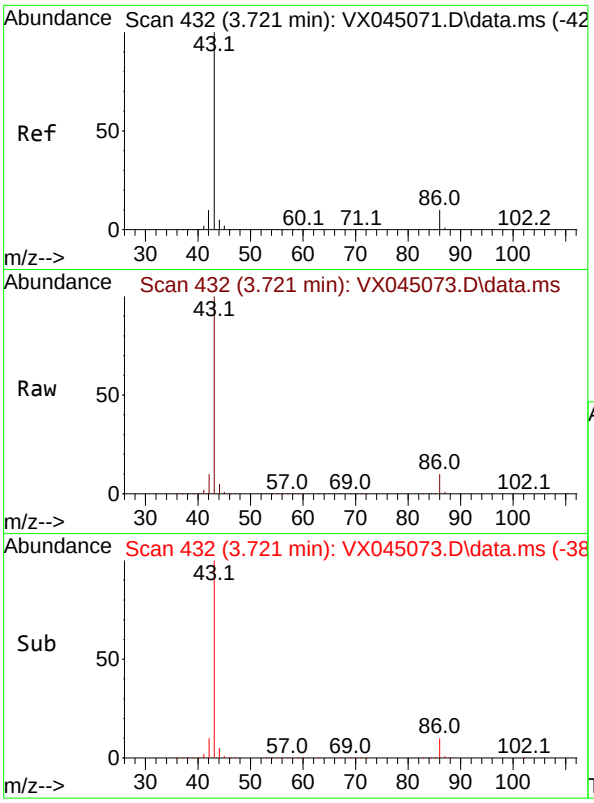


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 45 Resp: 662828

Ion	Ratio	Lower	Upper
45	100		
43	70.0	54.9	82.3
87	25.2	21.0	31.4
59	10.9	8.7	13.1

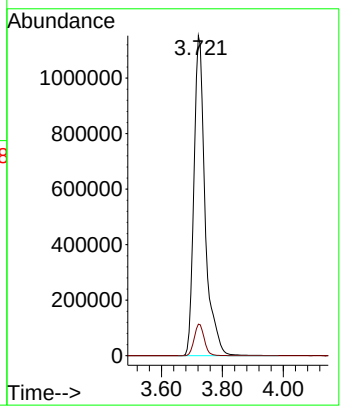




#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 294315

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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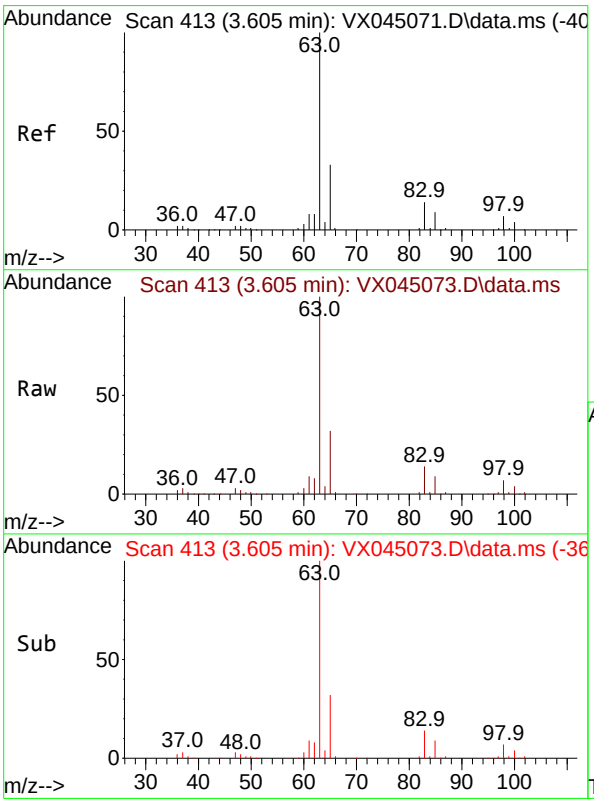
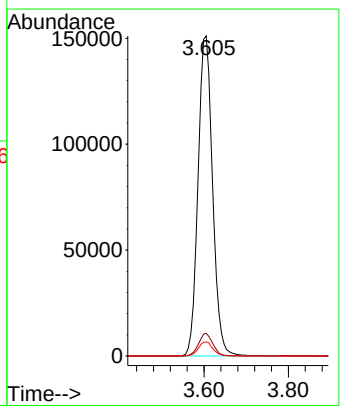
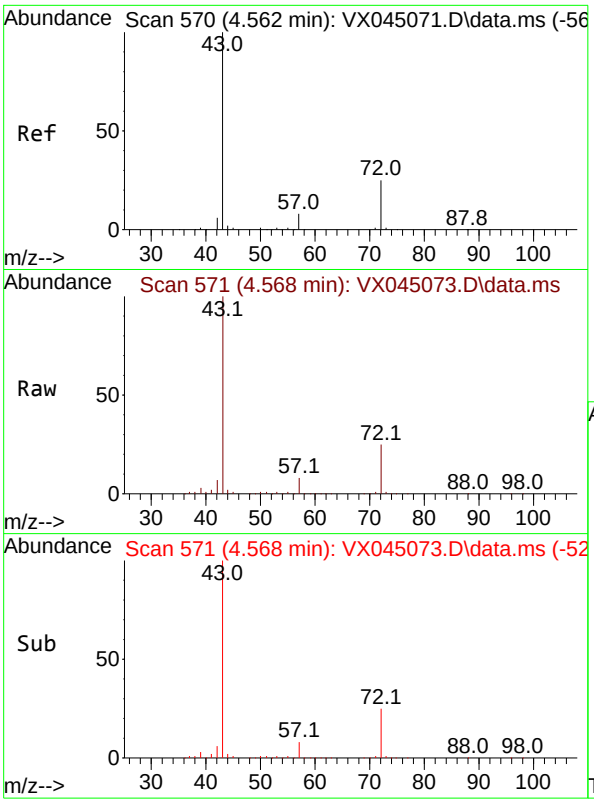


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 363081

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.4	2.1	6.5

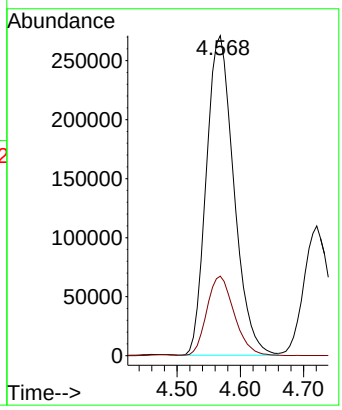




#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 81849

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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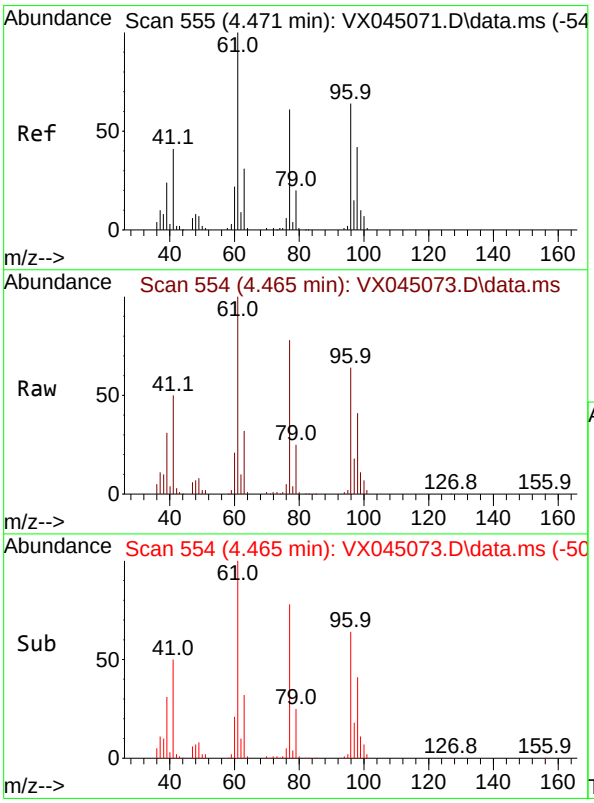
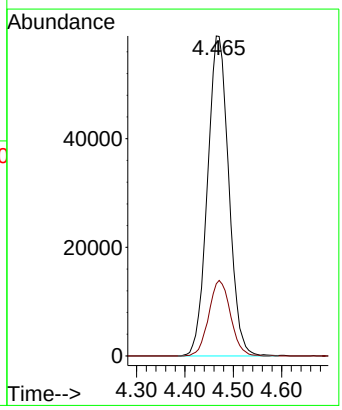
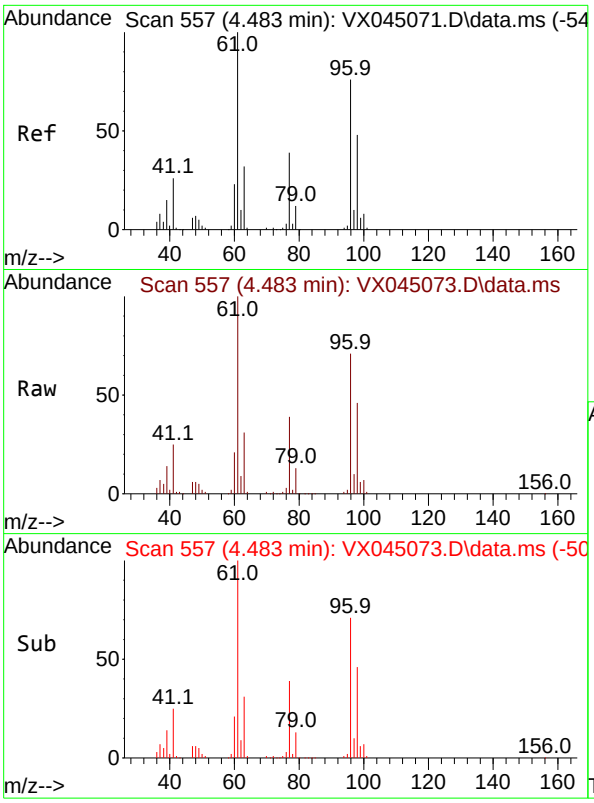


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0

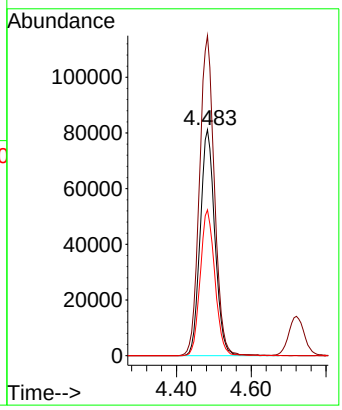




#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 22082

Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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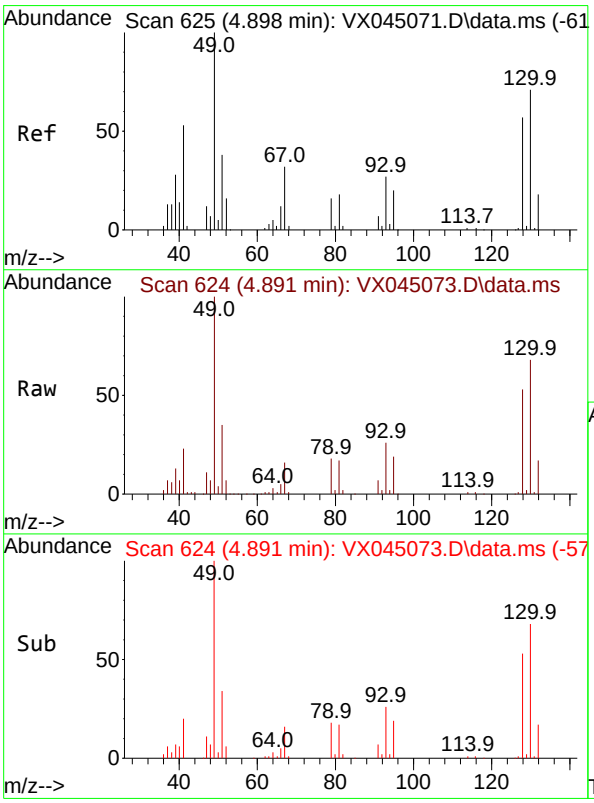
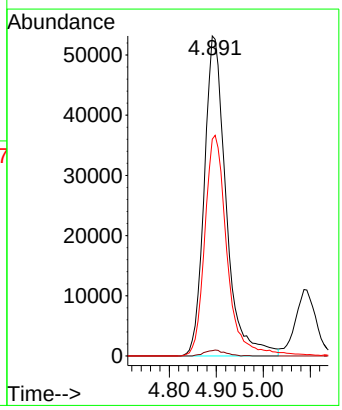
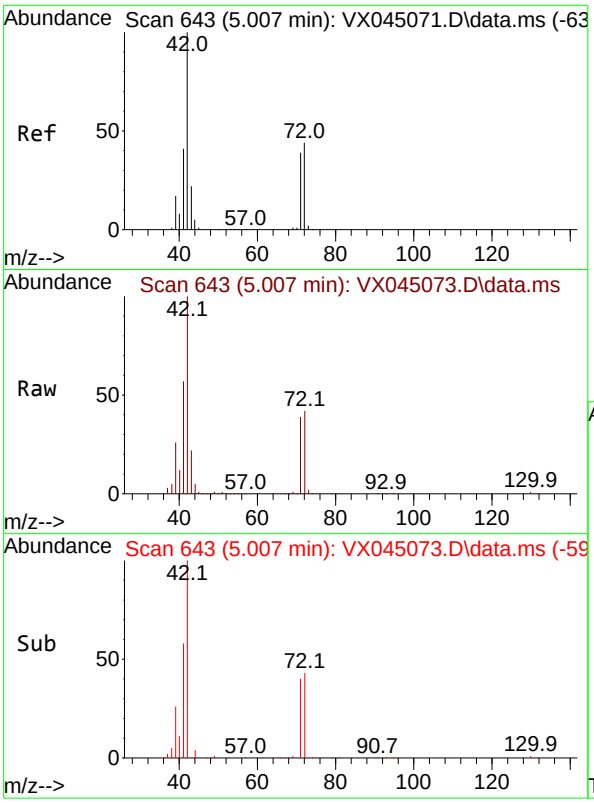


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 49 Resp: 171273

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.3	56.1	84.1

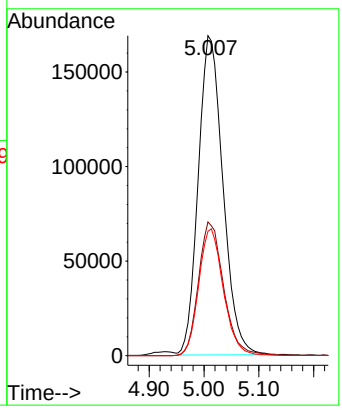




#29
Tetrahydrofuran
Concen: 850.174 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 42 Resp: 52857

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.7	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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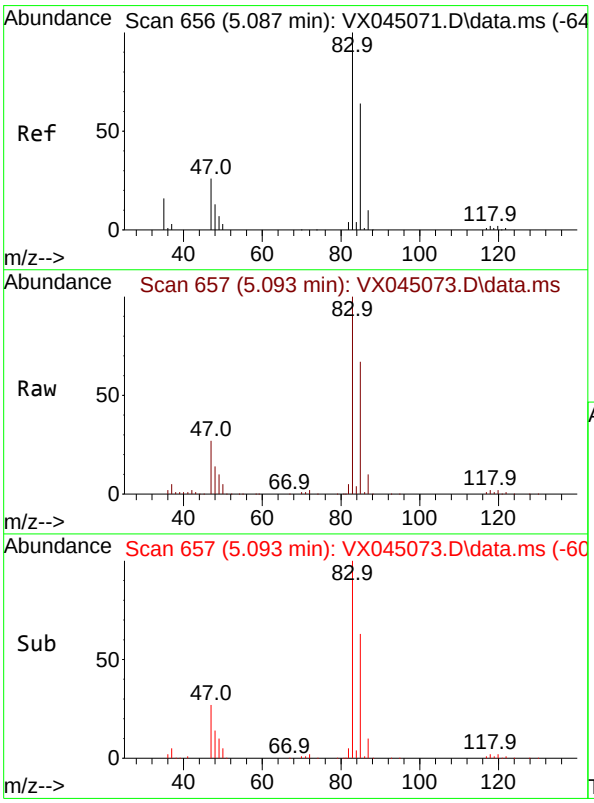
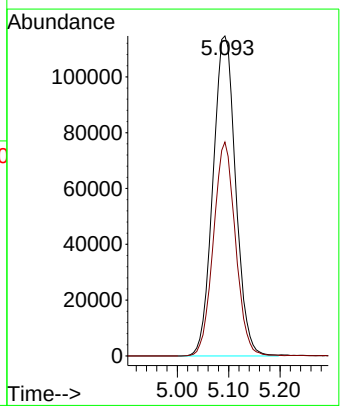
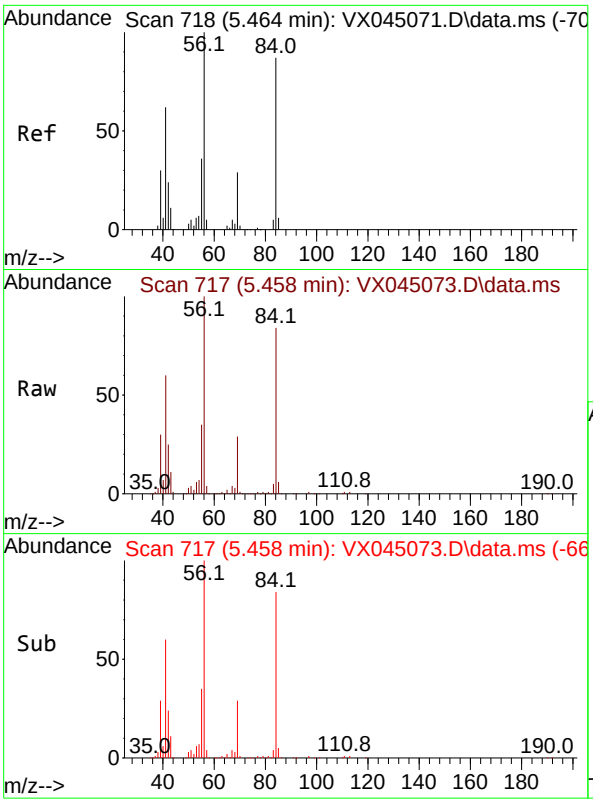


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 351934

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2

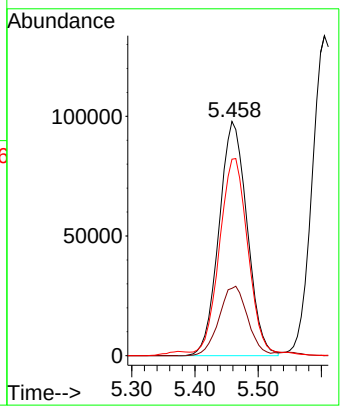




#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 30221

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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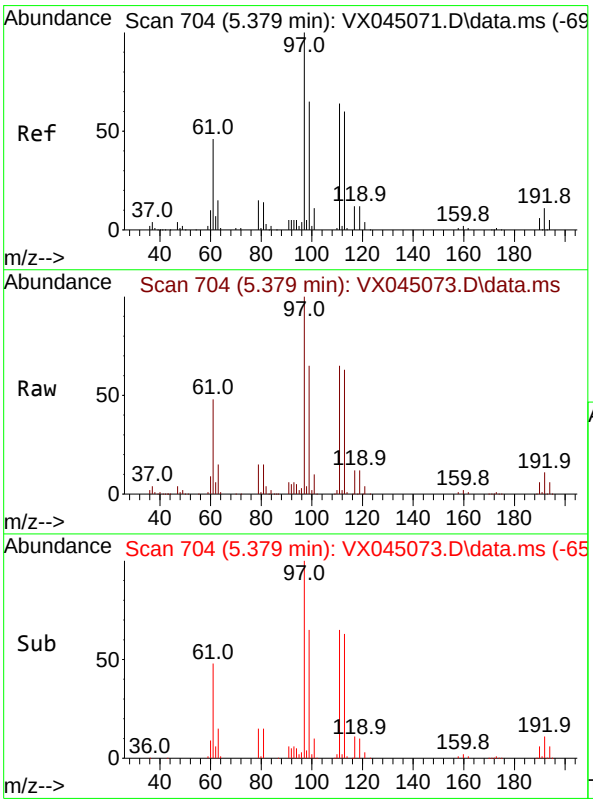
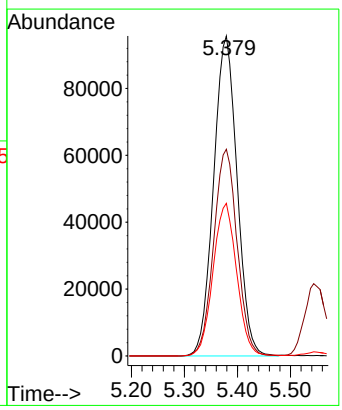
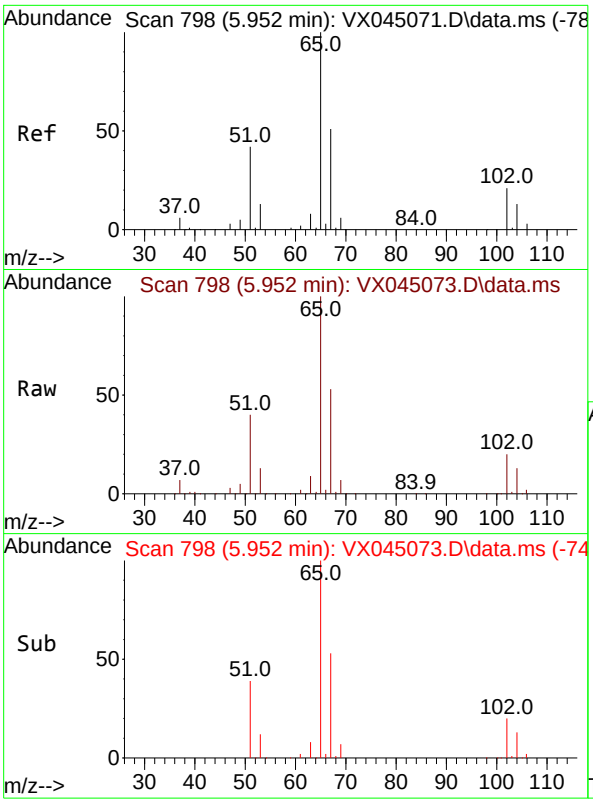


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 294434

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	48.1	38.4	57.6





#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 65 Resp: 23462

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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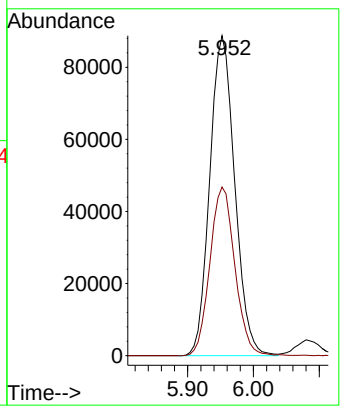
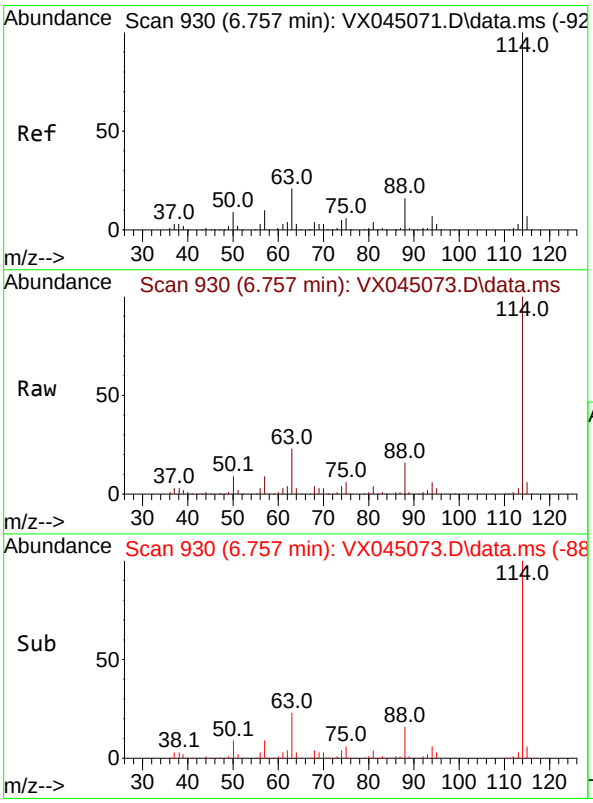
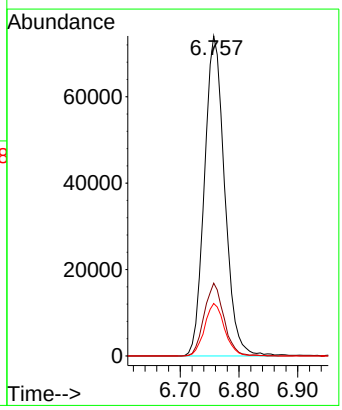


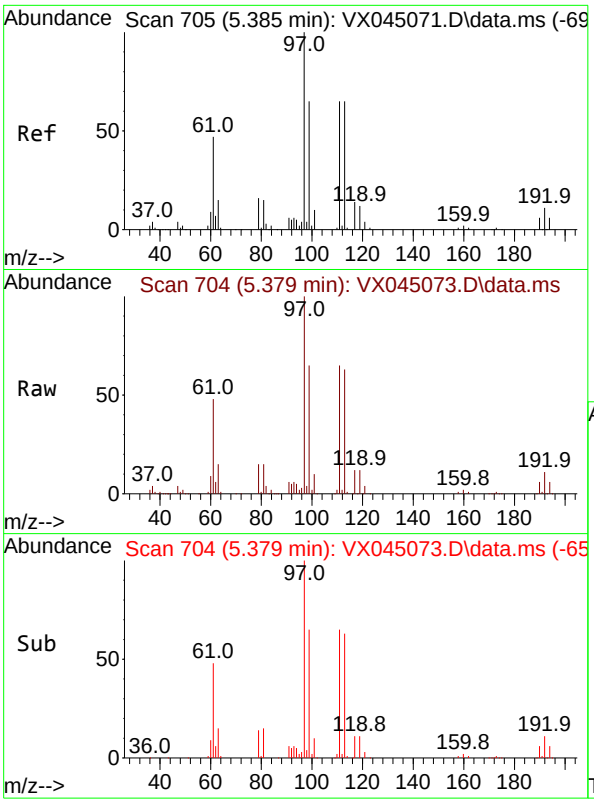


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:114 Resp: 176991

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.4	0.0	32.8

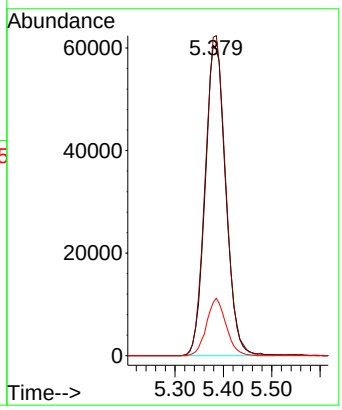




#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:113 Resp: 17972

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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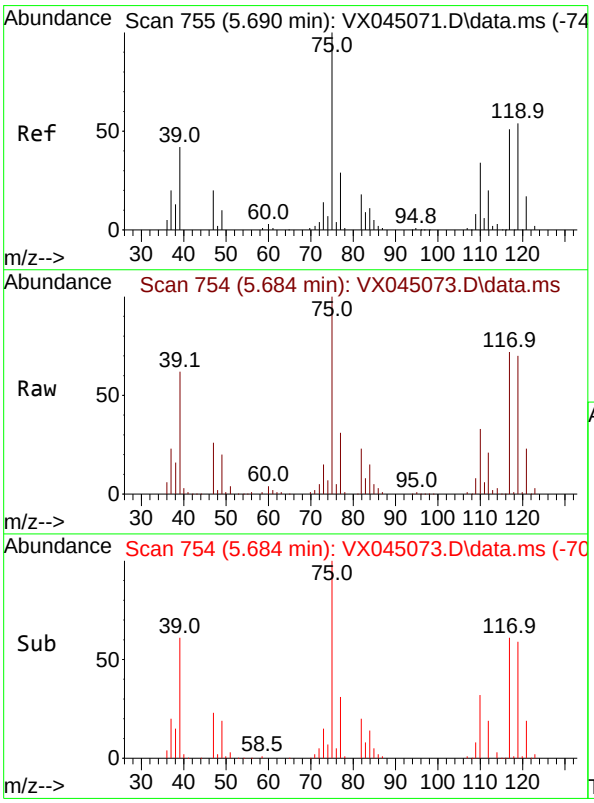
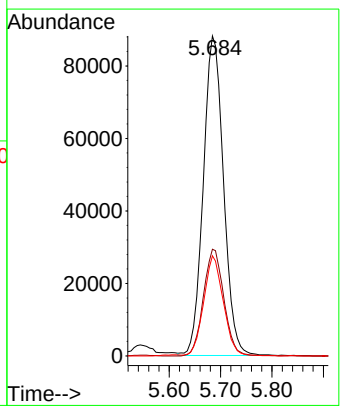
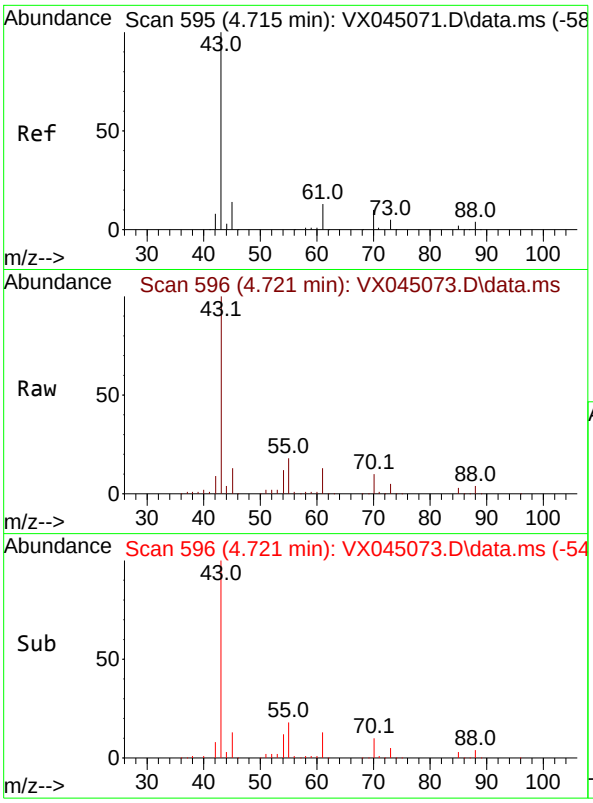


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 241405

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.5	24.5	36.7

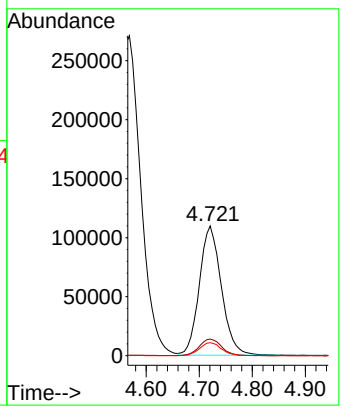




#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 31625

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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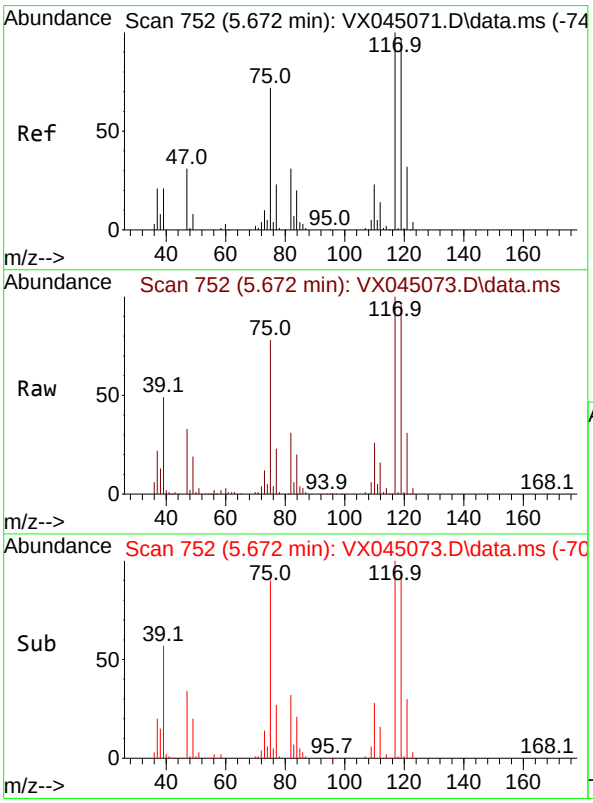
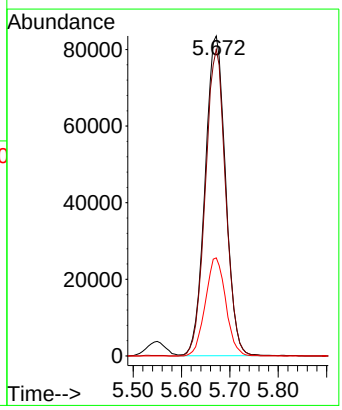
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

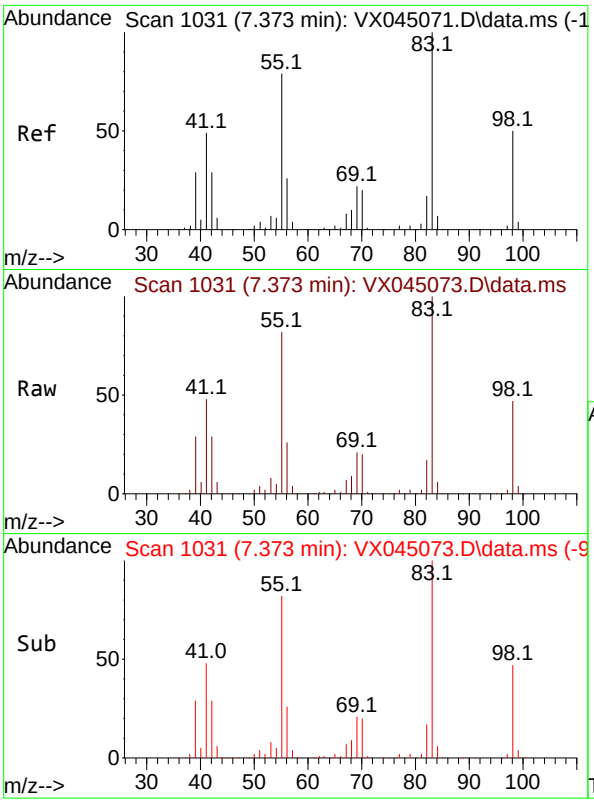


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 245917

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	30.7	25.5	38.3

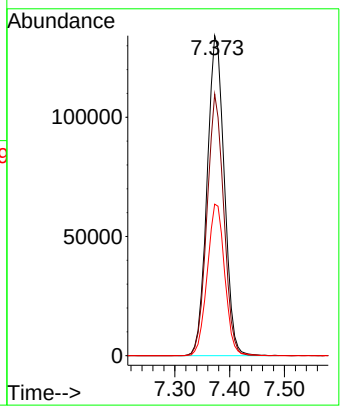




#39
Methylcyclohexane
Concen: 137.544 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 29221(

Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.4	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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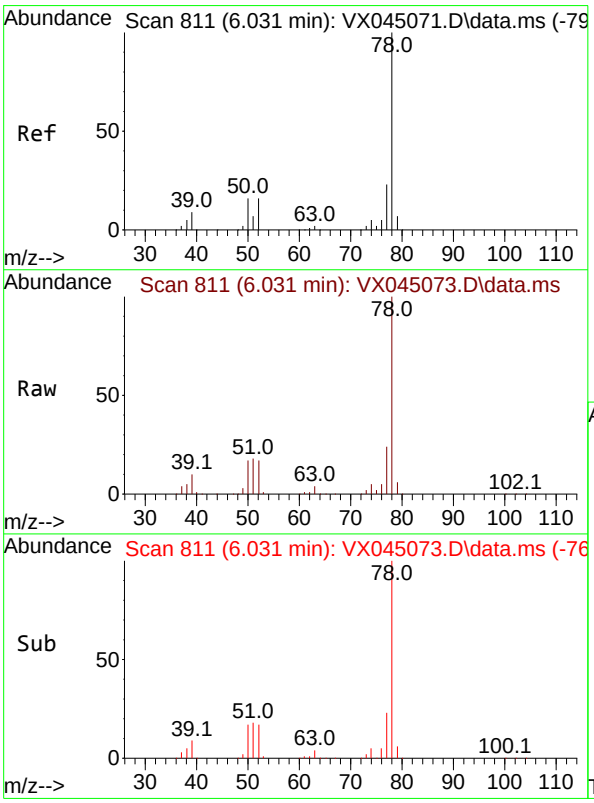
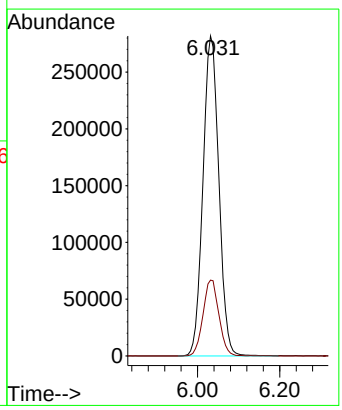
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

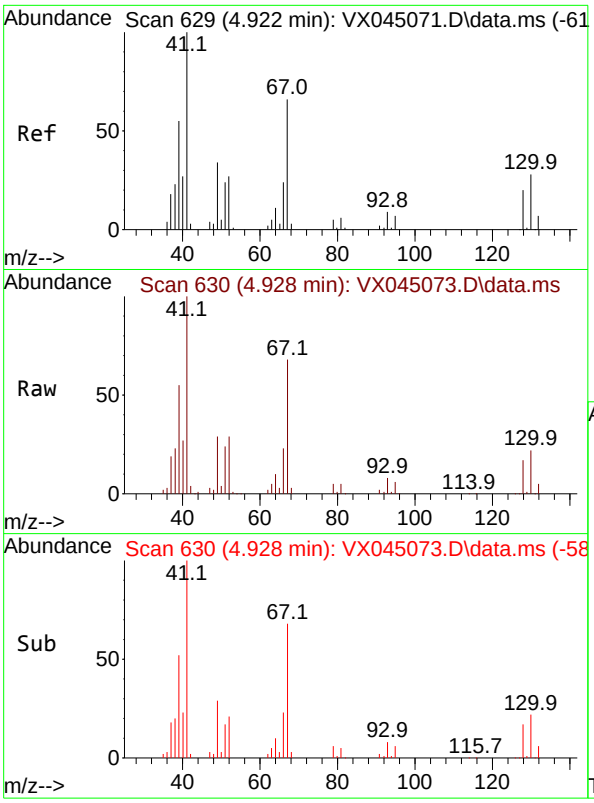


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

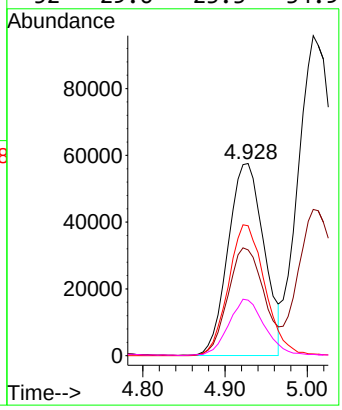




#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 17502

Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	69.5	53.9	80.9
52	29.6	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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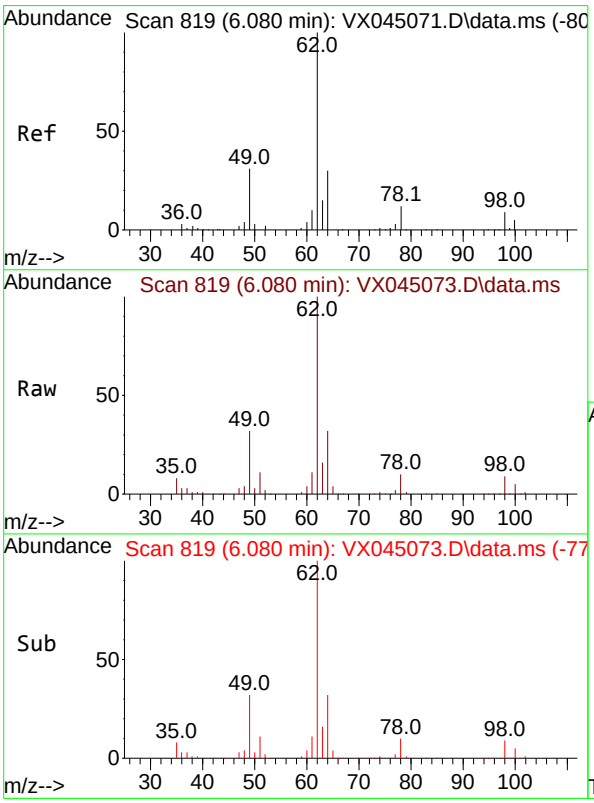
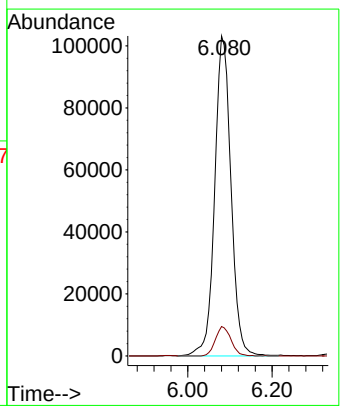
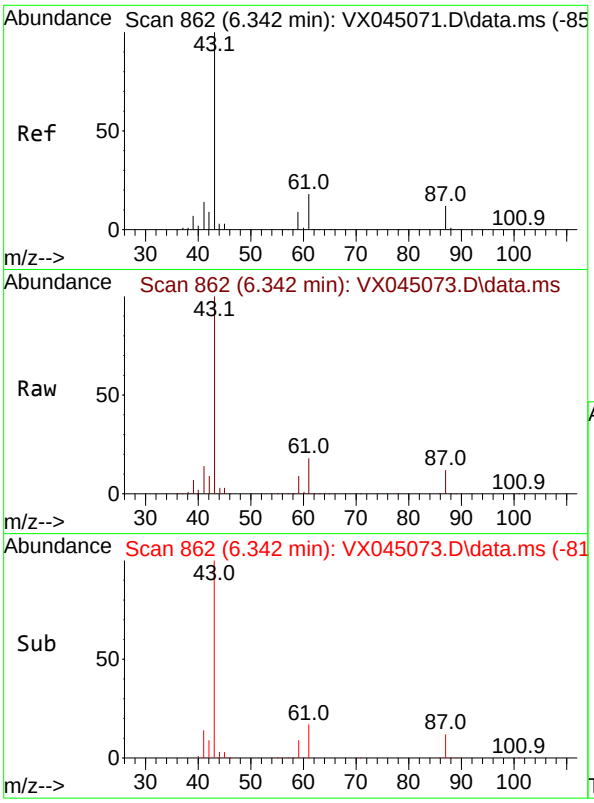


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2

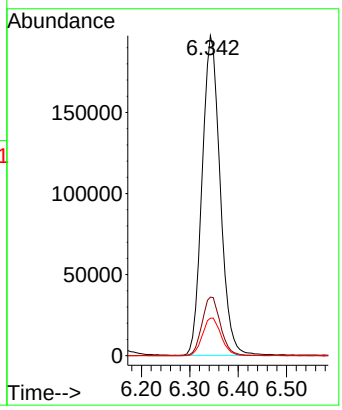




#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 51164

Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.1	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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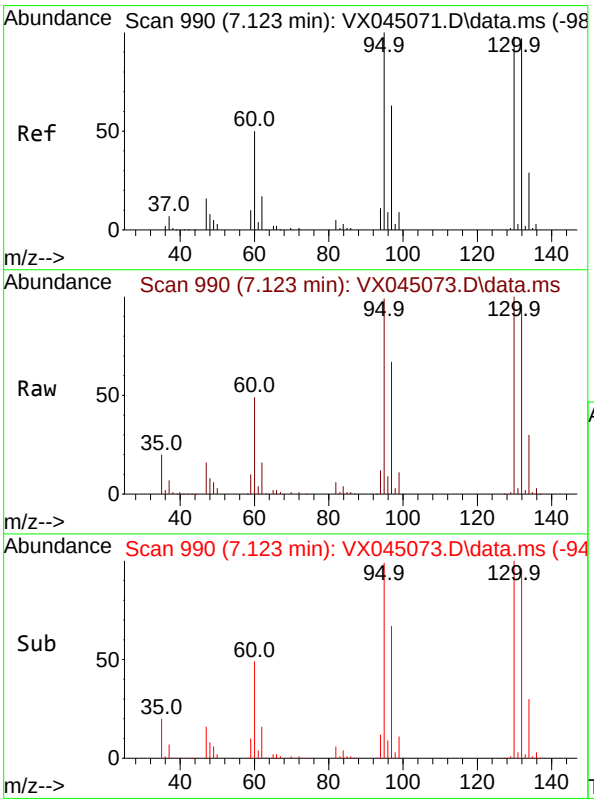
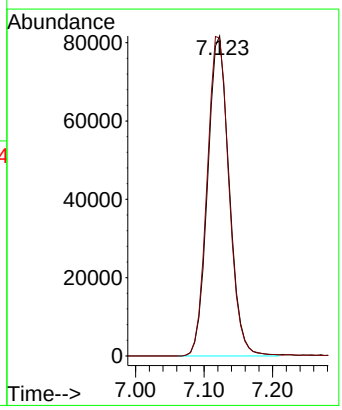
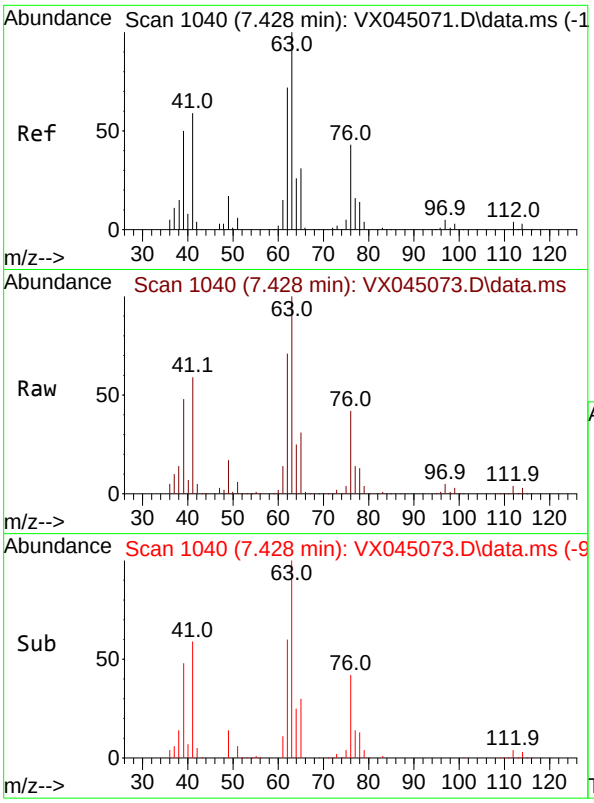


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:130 Resp: 178483

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0

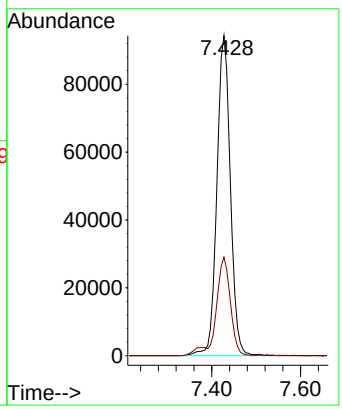




#45
1,2-Dichloropropane
Concen: 153.334 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 19813

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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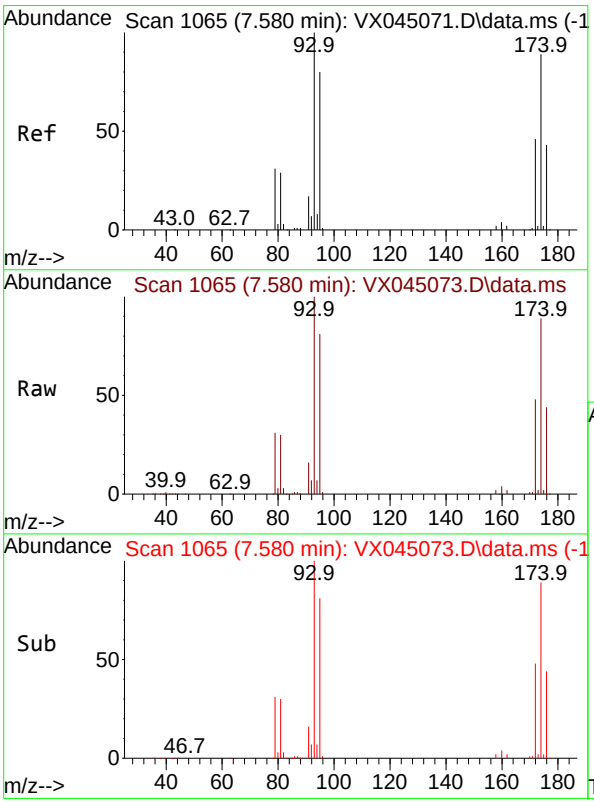
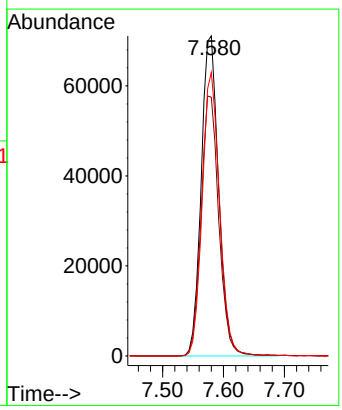
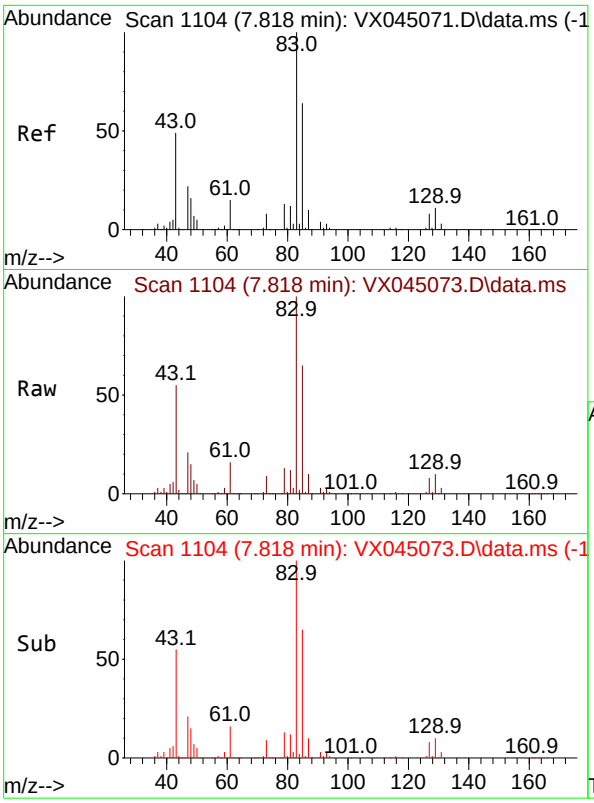


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 93 Resp: 142119

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	88.2	72.2	108.2

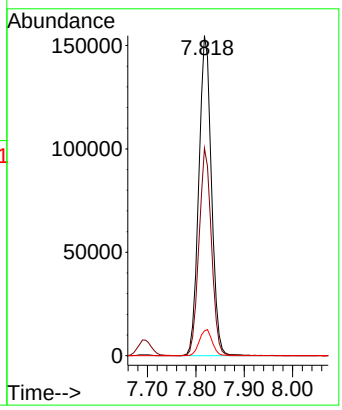




#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 28025

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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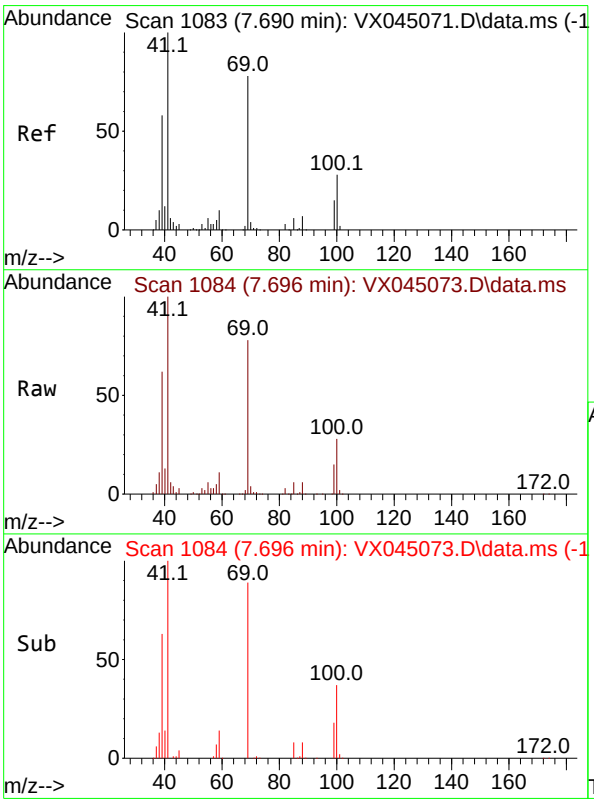
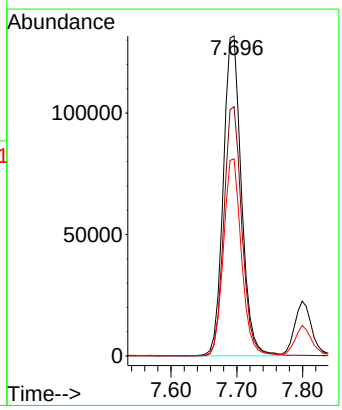
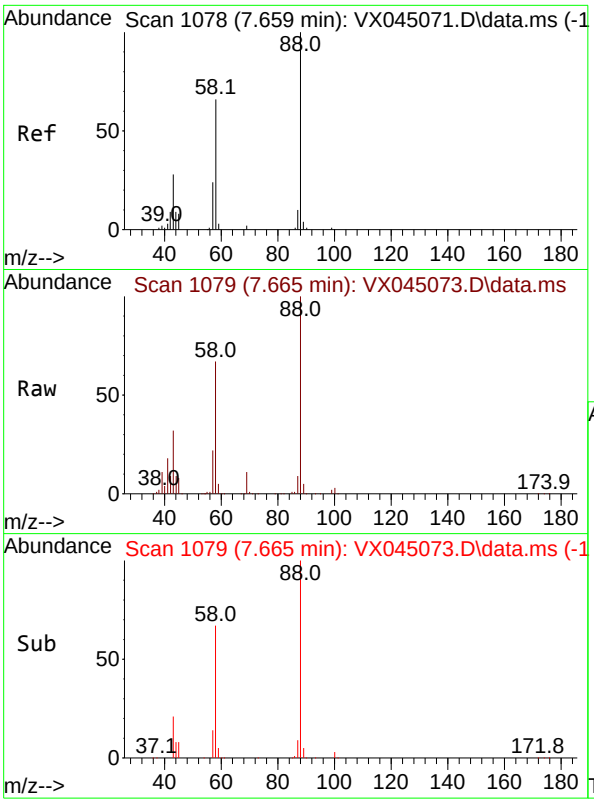


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 252275

Ion	Ratio	Lower	Upper
41	100		
69	78.1	63.0	94.6
39	61.1	47.5	71.3

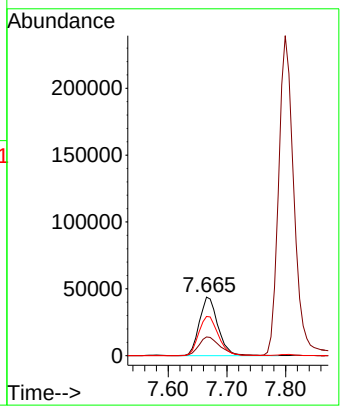




#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 88 Resp: 9626

Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.7	43.1
58	70.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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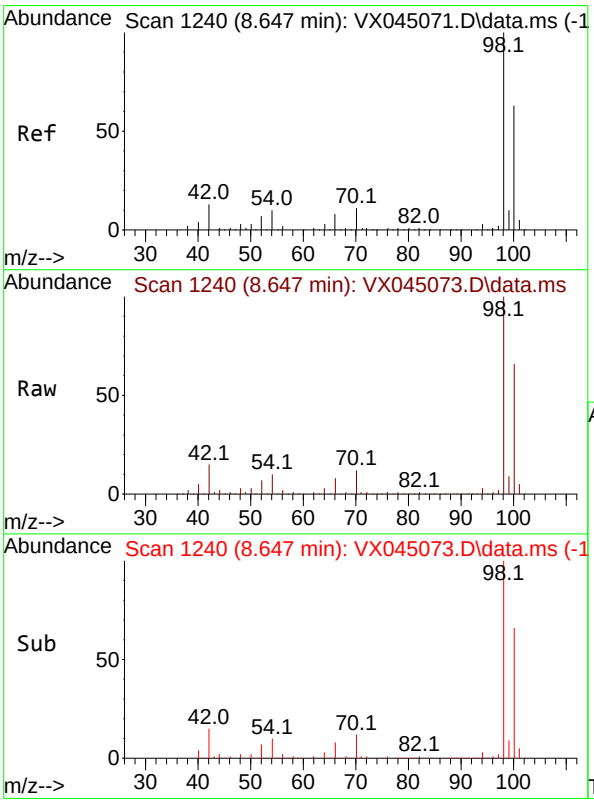
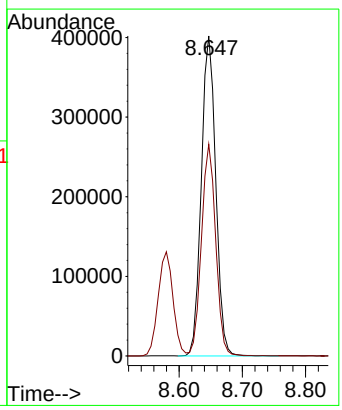
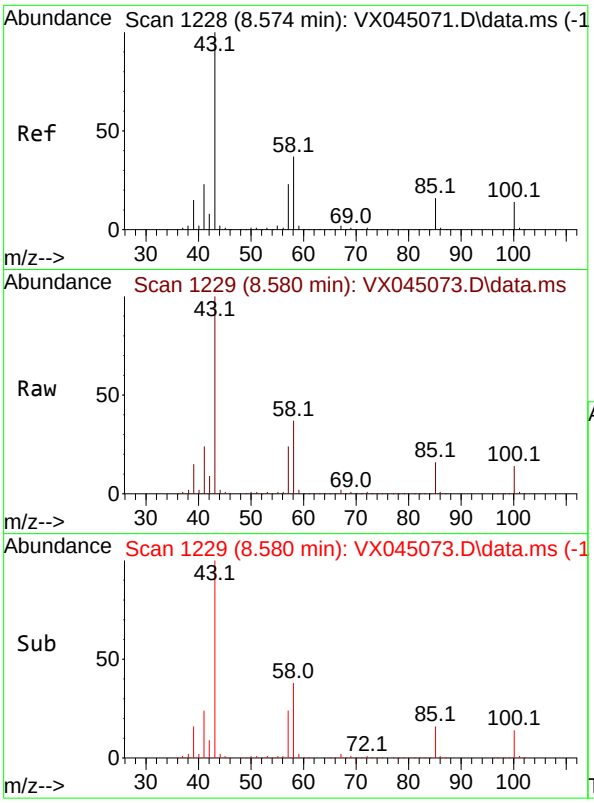


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 98 Resp: 638979

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0

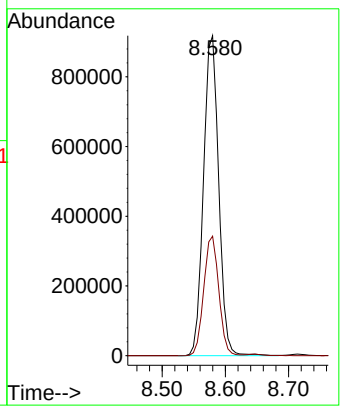




#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 153615

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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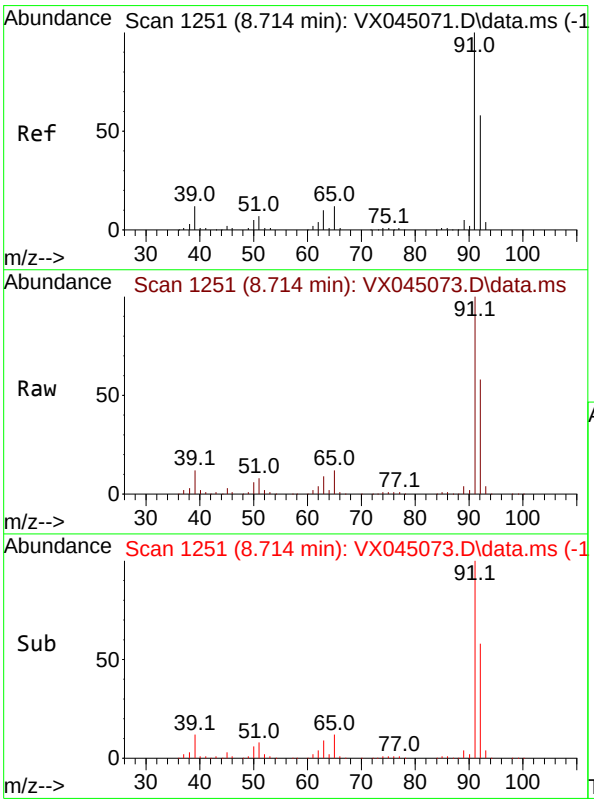
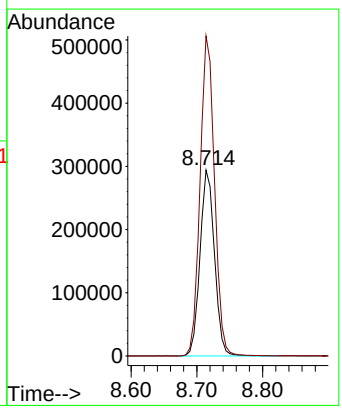
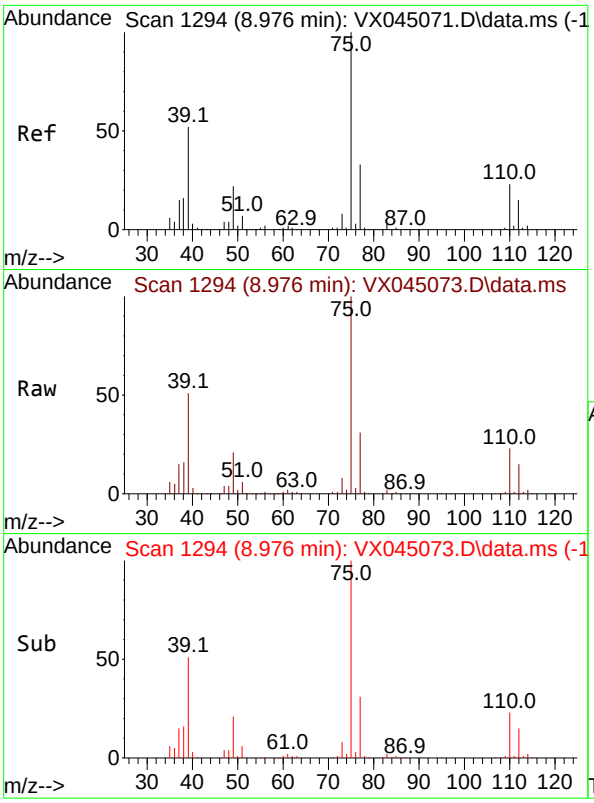


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3

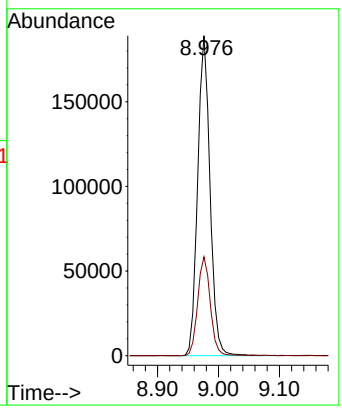




#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 26644

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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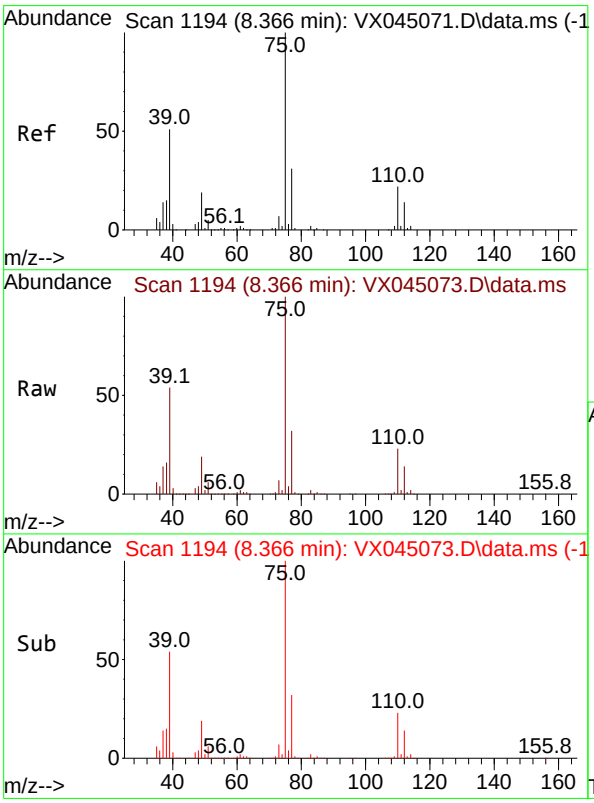
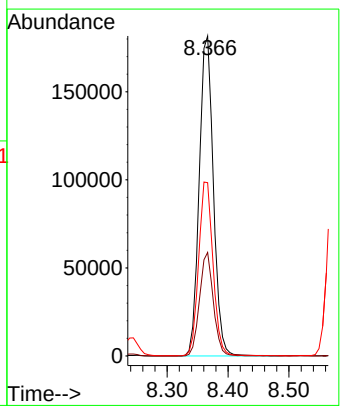
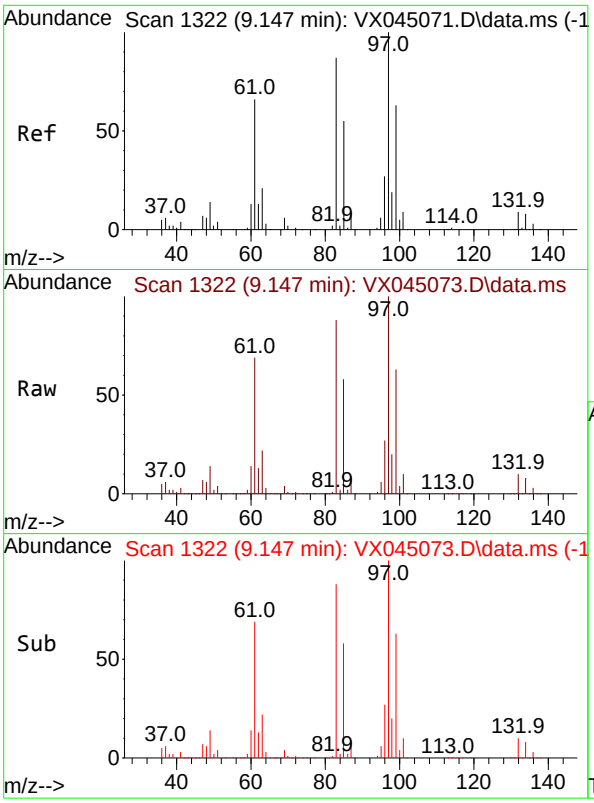


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 293521

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	54.0	40.7	61.1

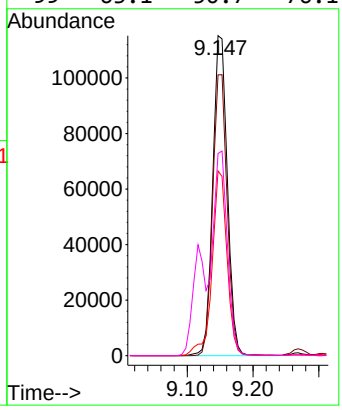




#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 17821

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	57.8	44.1	66.1
99	63.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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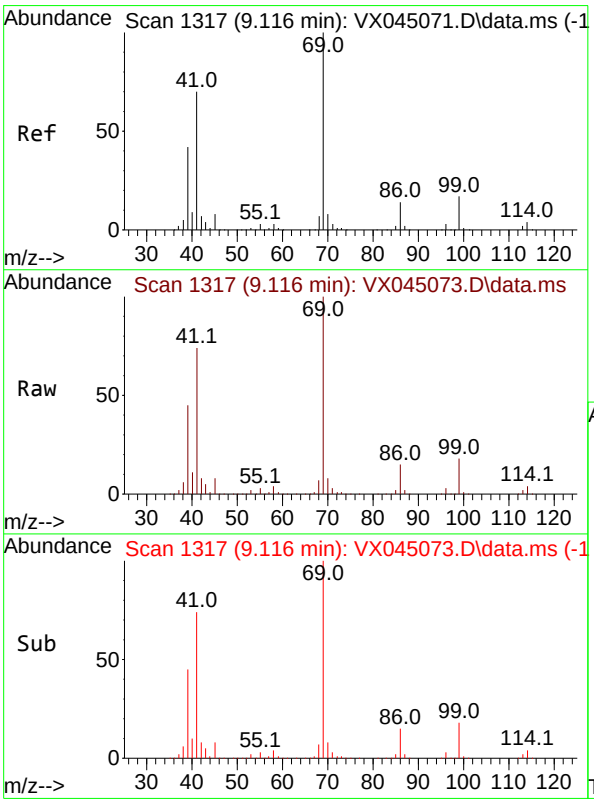
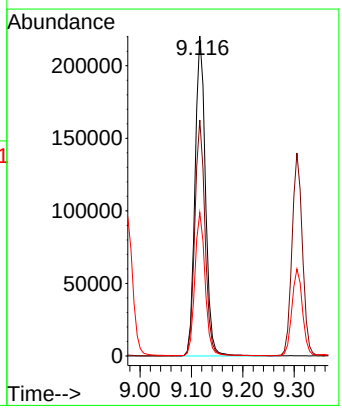
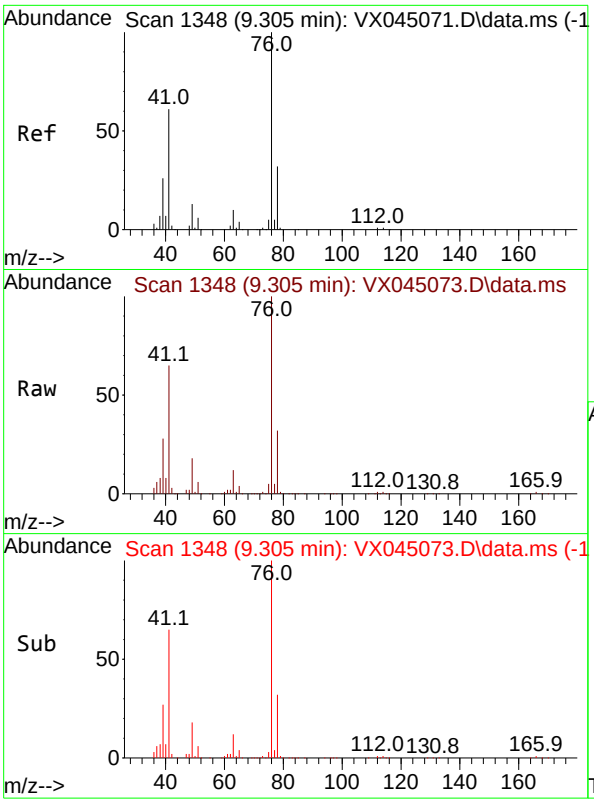


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 69 Resp: 310992

Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.0	85.4
39	44.2	34.2	51.4

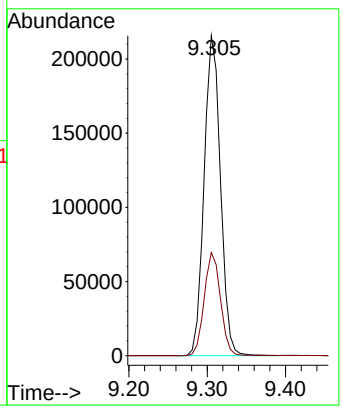




#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 31219

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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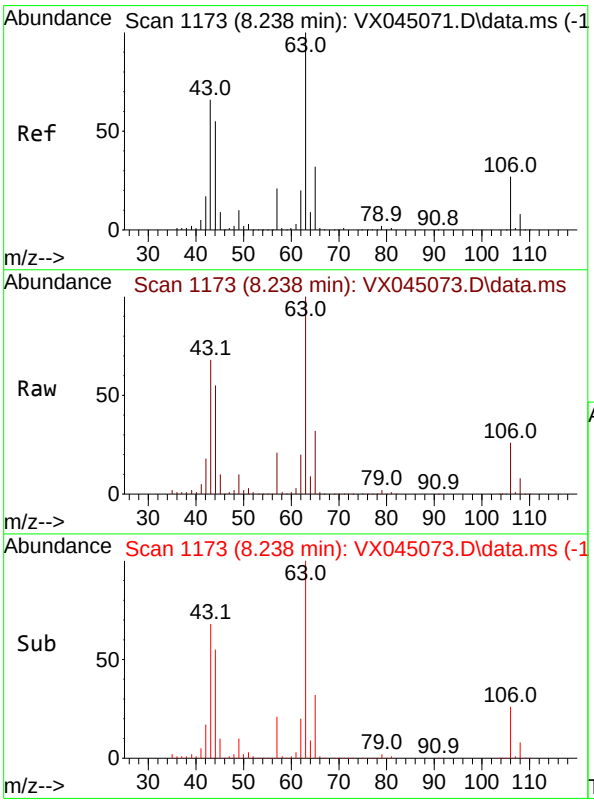
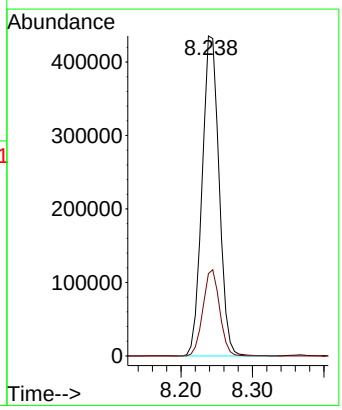
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

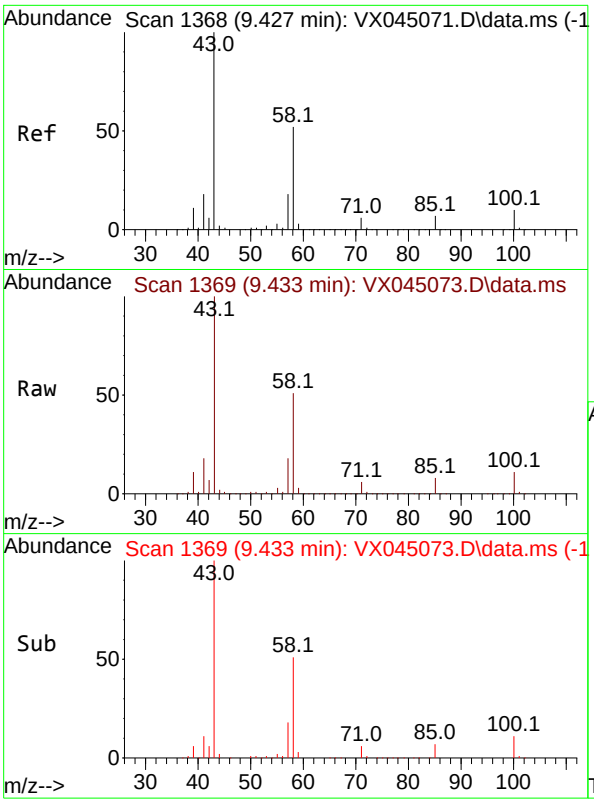


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 717328

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3

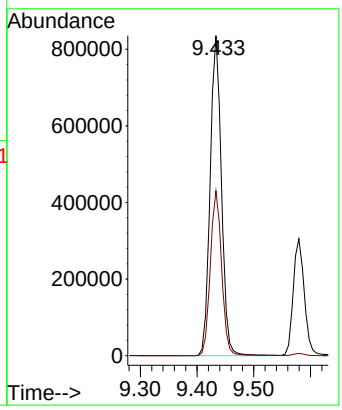




#59
2-Hexanone
Concen: 868.492 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 115665

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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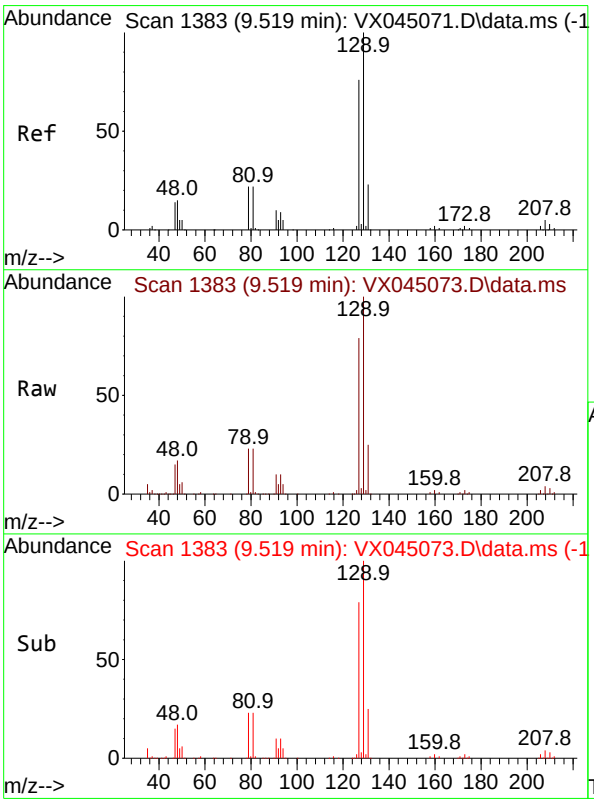
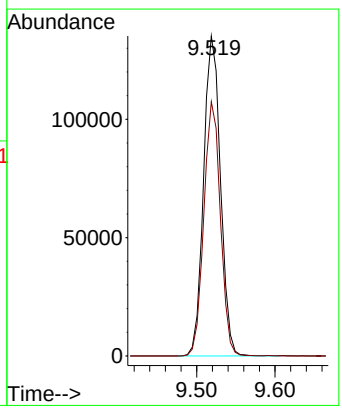
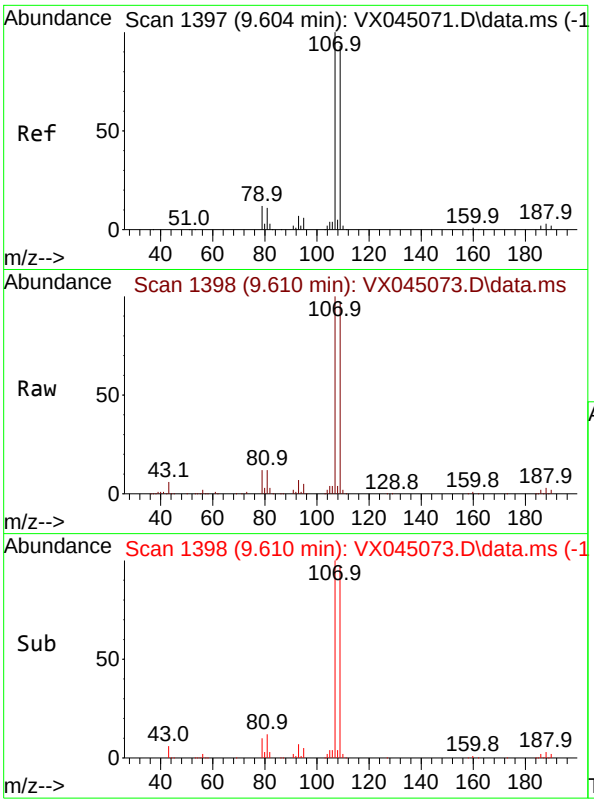


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:129 Resp: 201906

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5

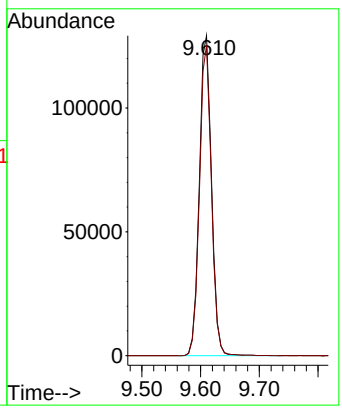




#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:107 Resp: 18582

Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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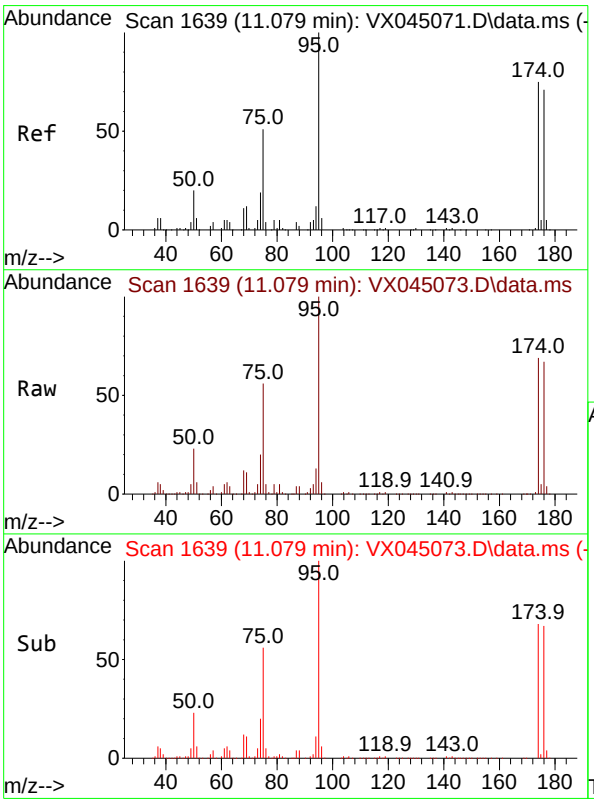
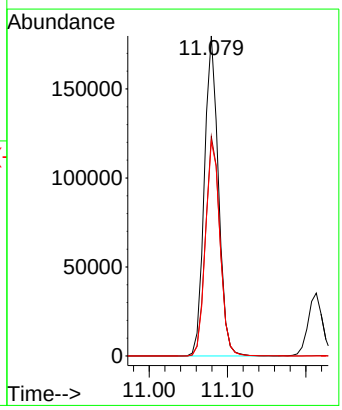
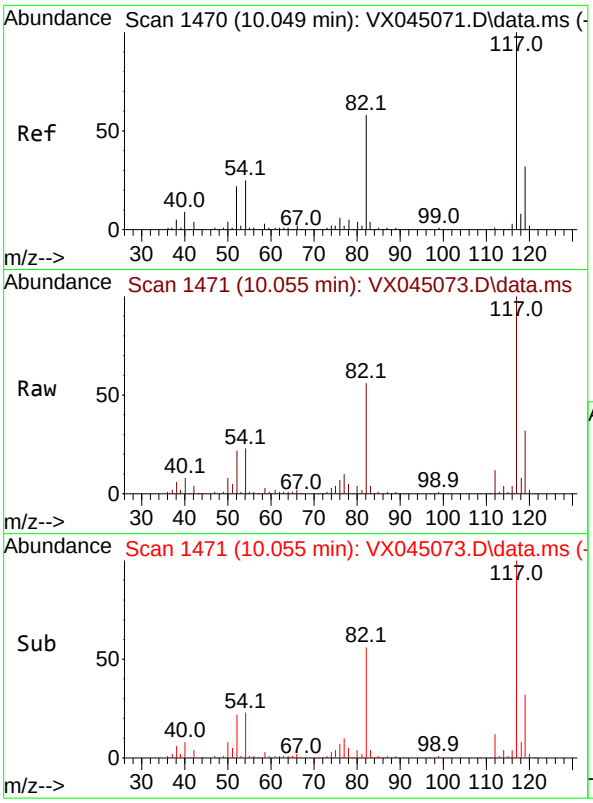


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 95 Resp: 223346

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	69.4	0.0	141.4

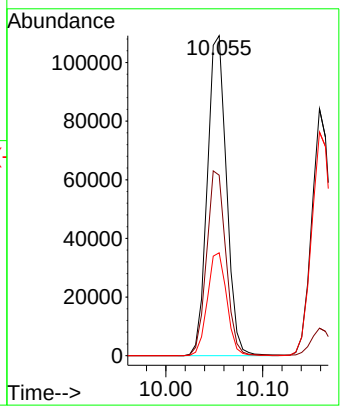




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 15054

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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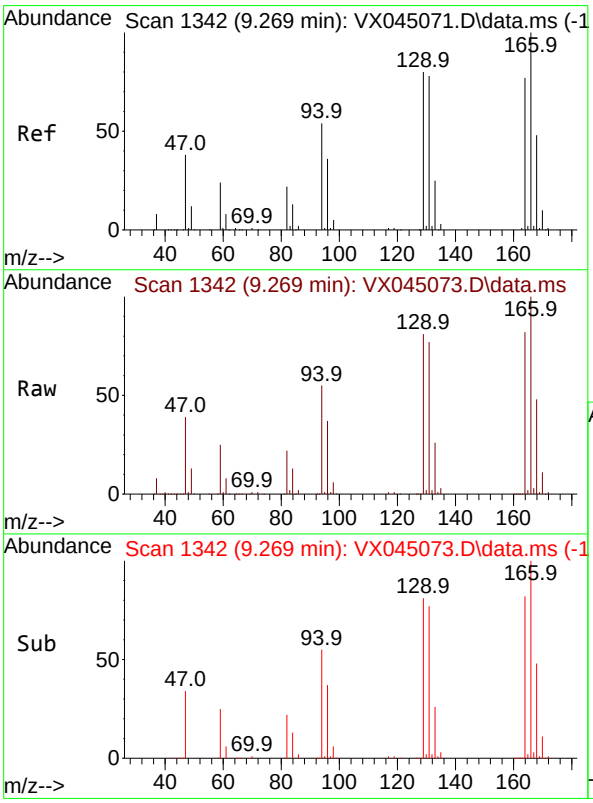
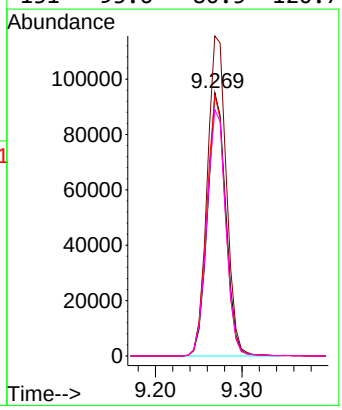
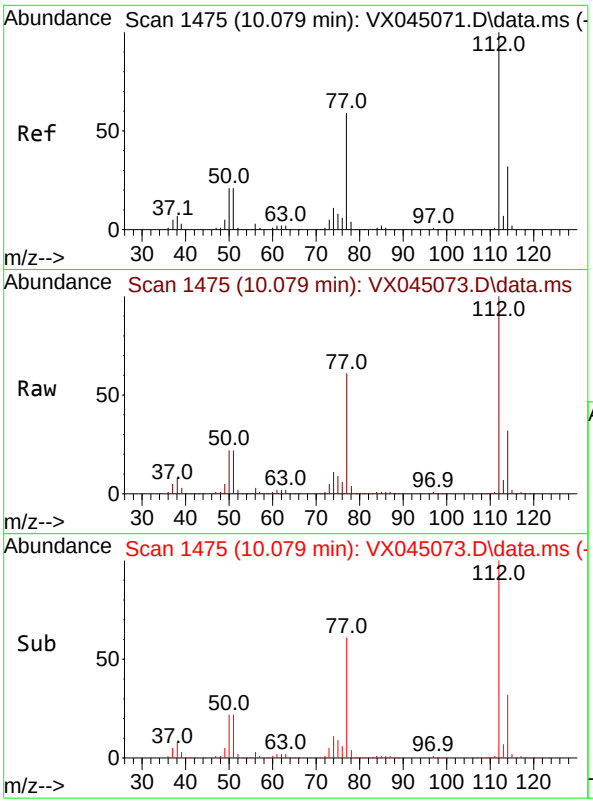


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:164 Resp: 139536

Ion	Ratio	Lower	Upper
164	100		
166	121.6	103.6	155.4
129	99.0	82.7	124.1
131	93.6	80.5	120.7

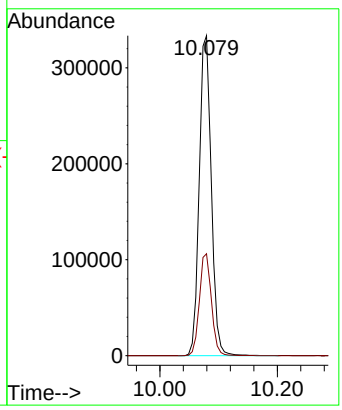




#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:112 Resp: 47211

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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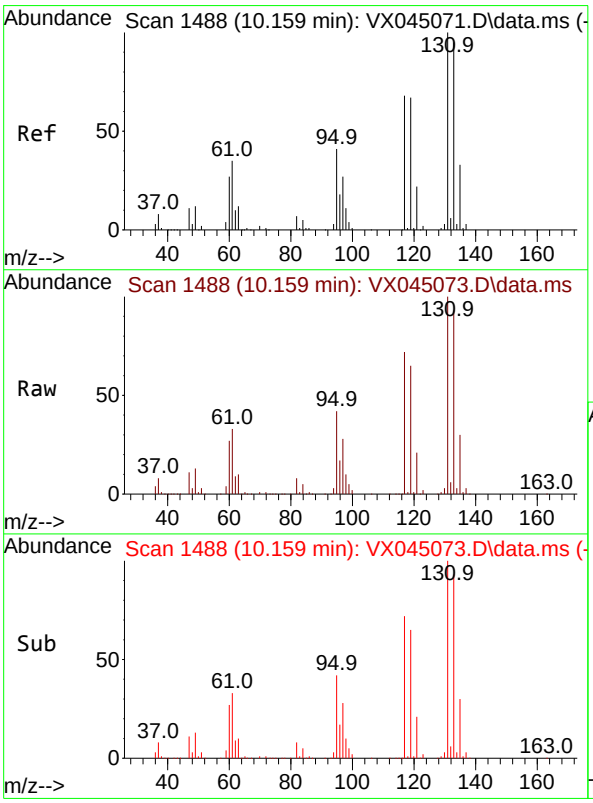
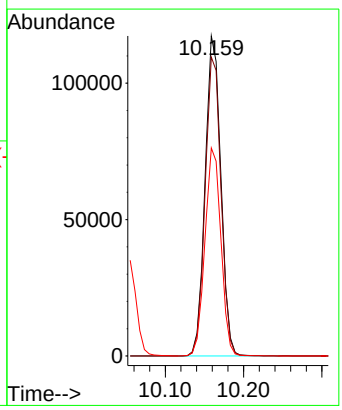
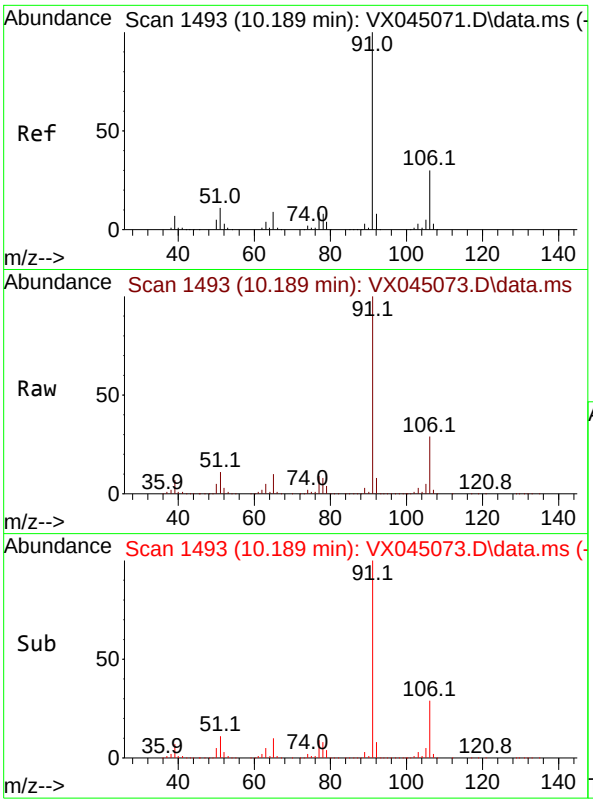


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:131 Resp: 163370

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.6	145.9
119	66.0	33.9	101.7





#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 85257

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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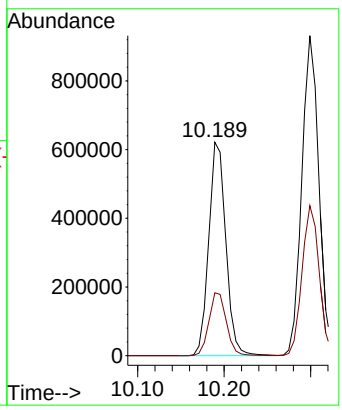
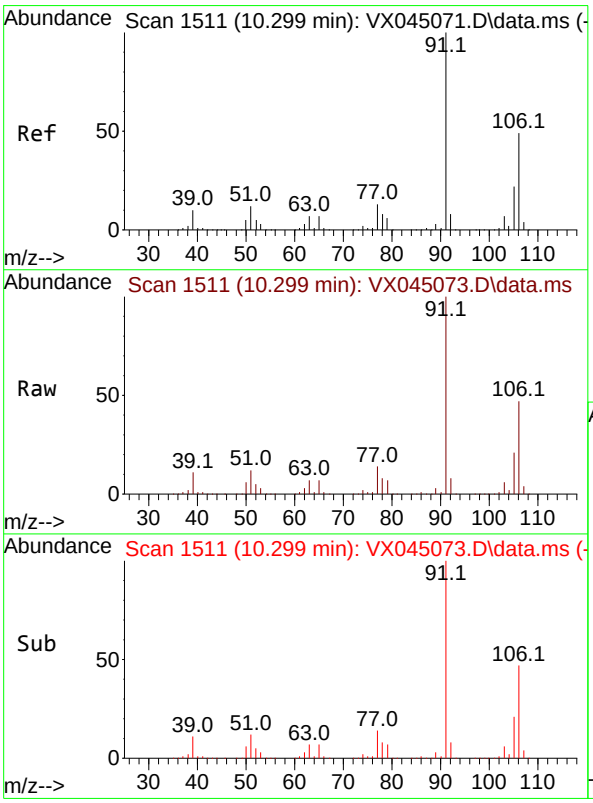
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

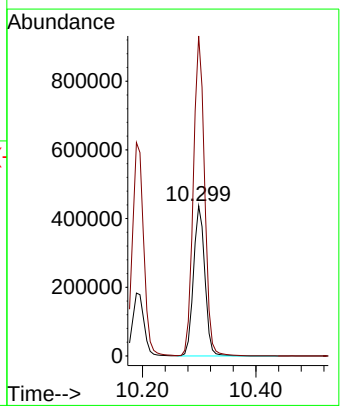


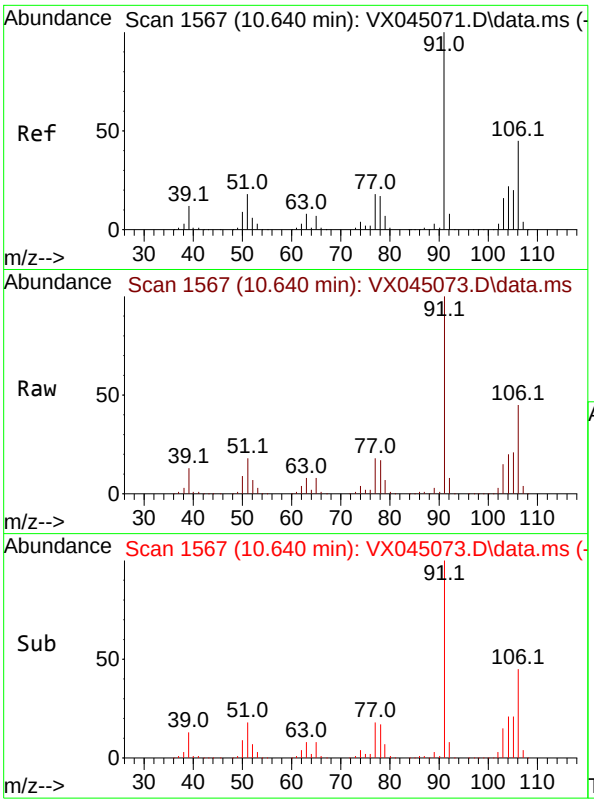


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0

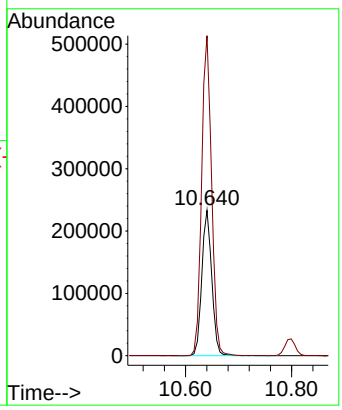




#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 30249

Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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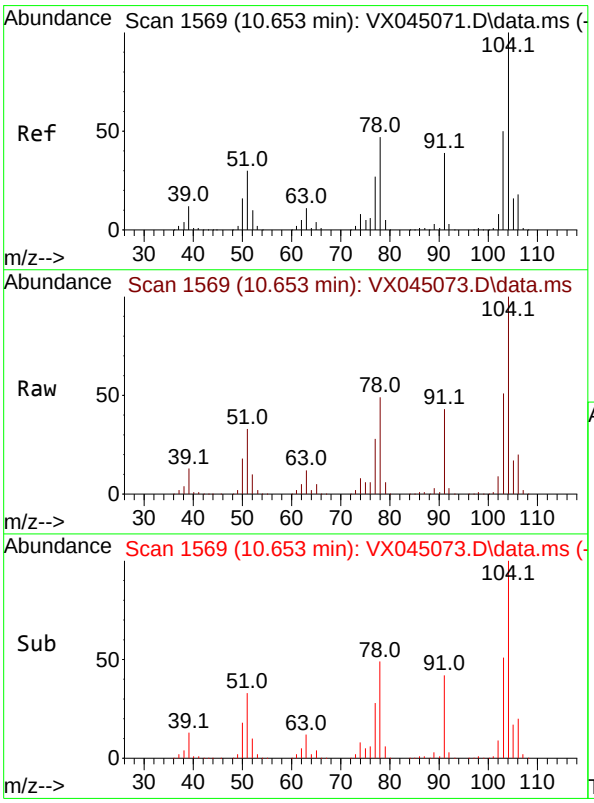
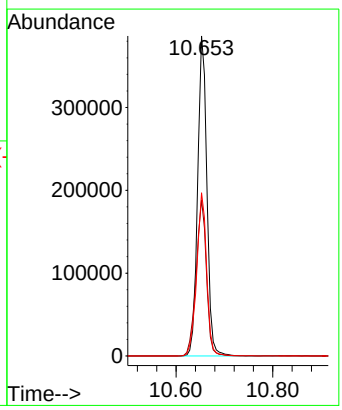
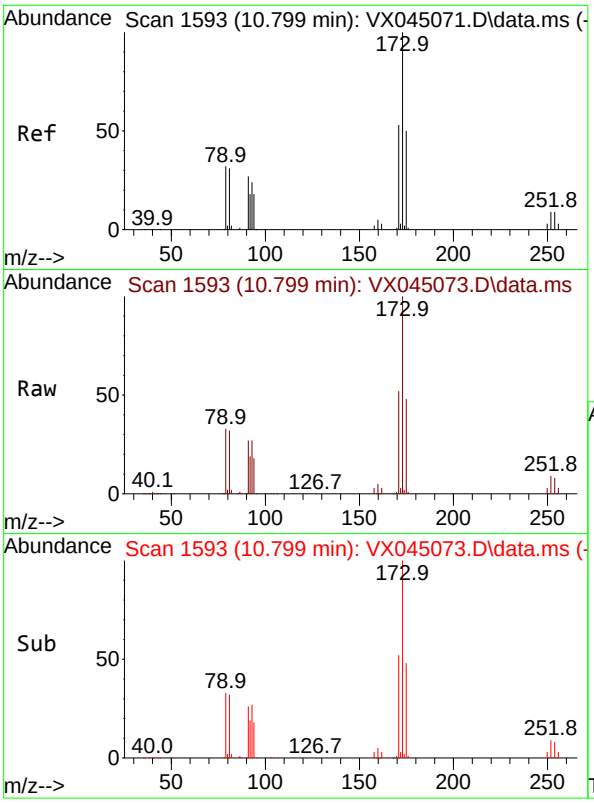


#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:104 Resp: 512379

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	54.8	43.8	65.8

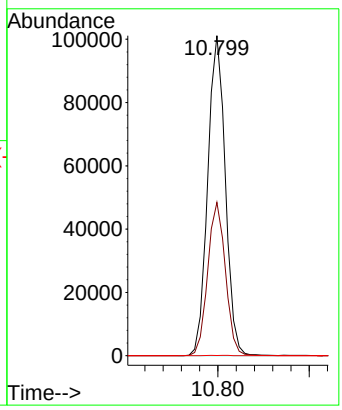




#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:173 Resp: 13538

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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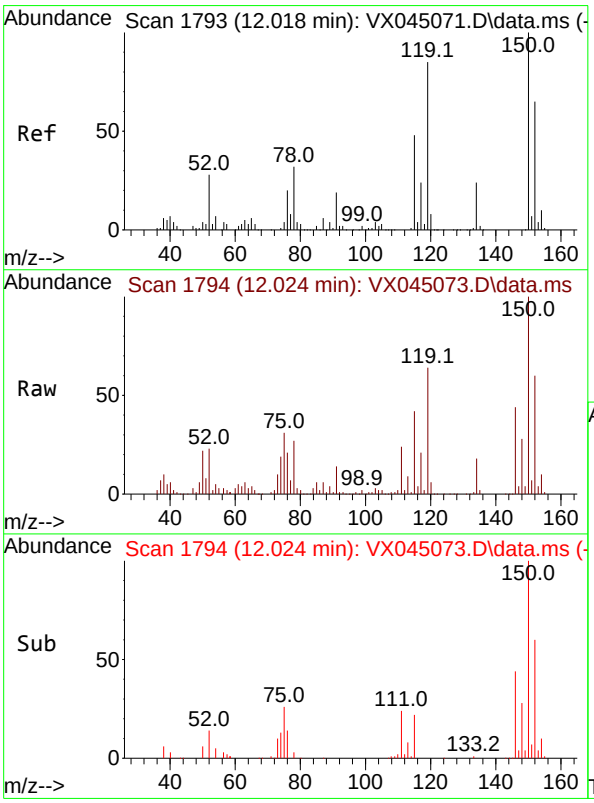
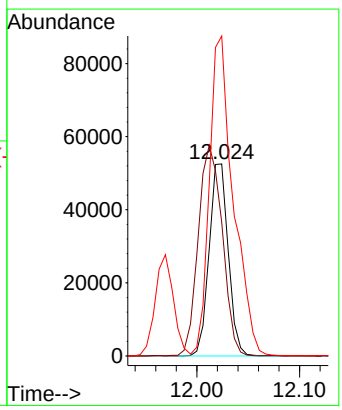
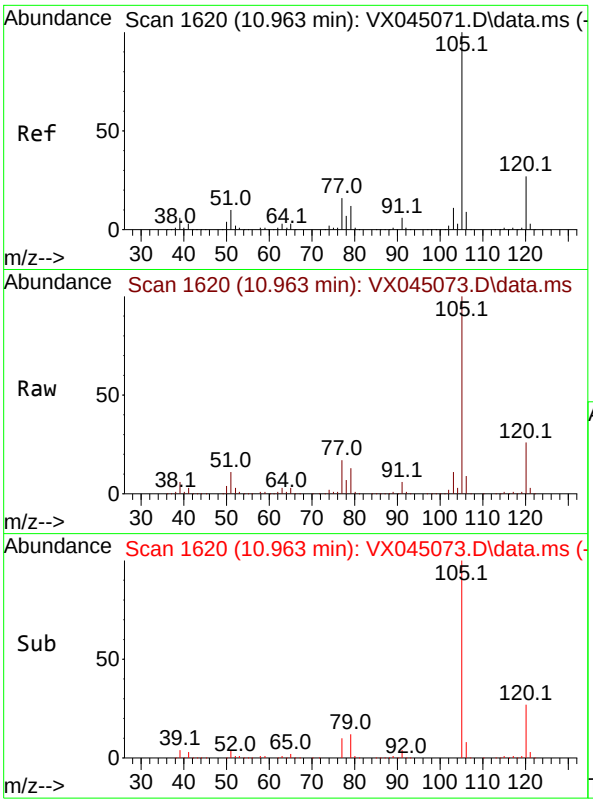


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:152 Resp: 67685

Ion	Ratio	Lower	Upper
152	100		
115	138.4	44.2	132.6#
150	208.8	0.0	349.0

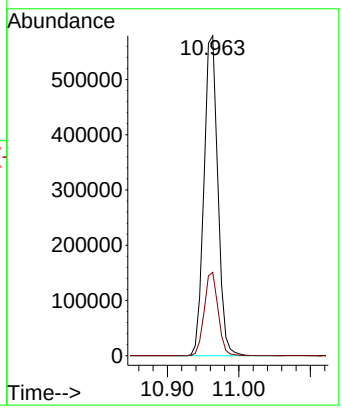




#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 78070

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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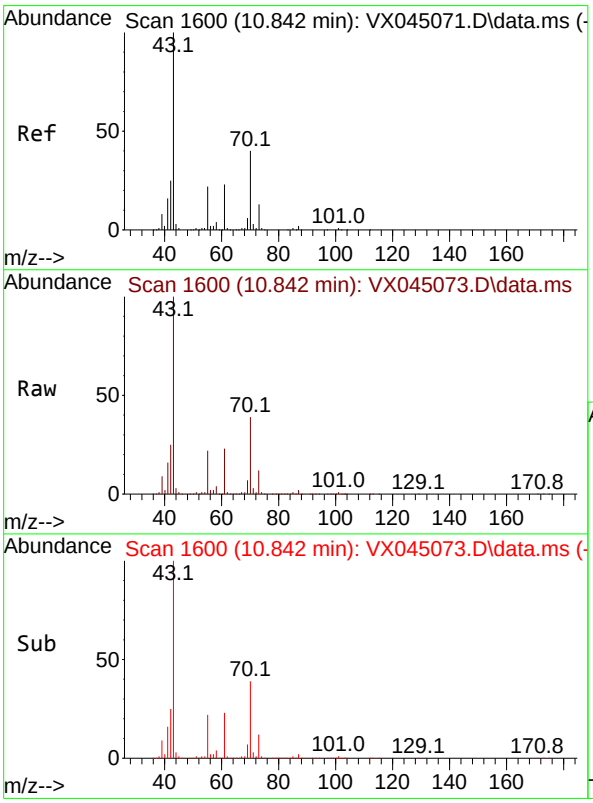
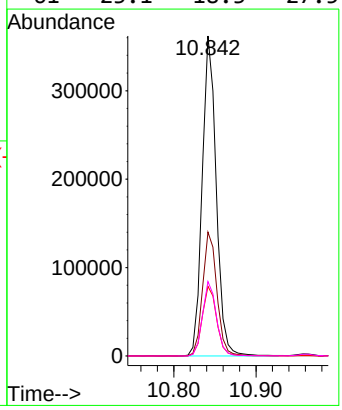
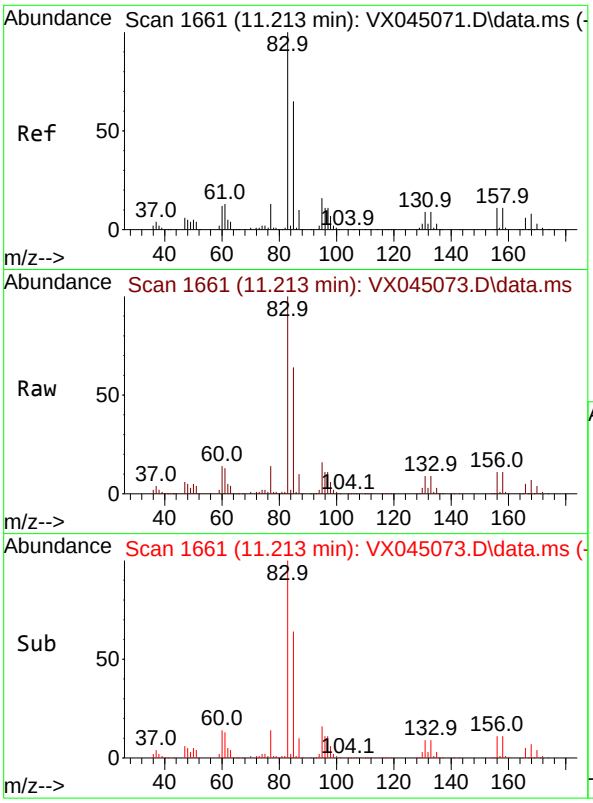


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 429686

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.5	18.3	27.5
61	23.1	18.3	27.5

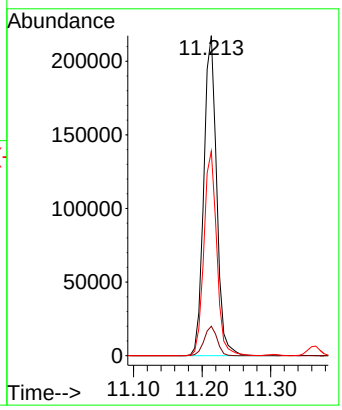




#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 28355

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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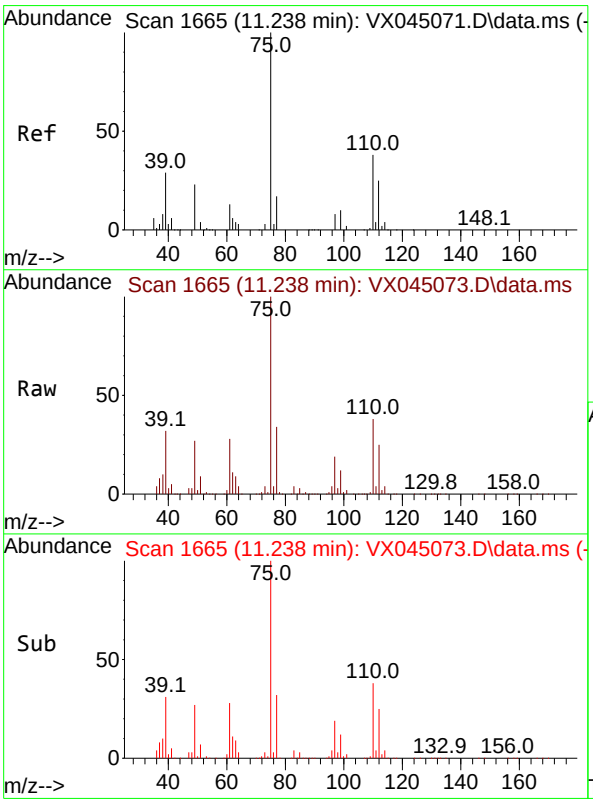
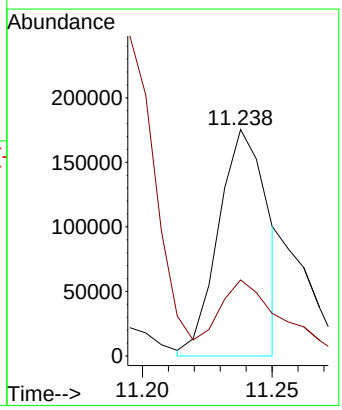
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

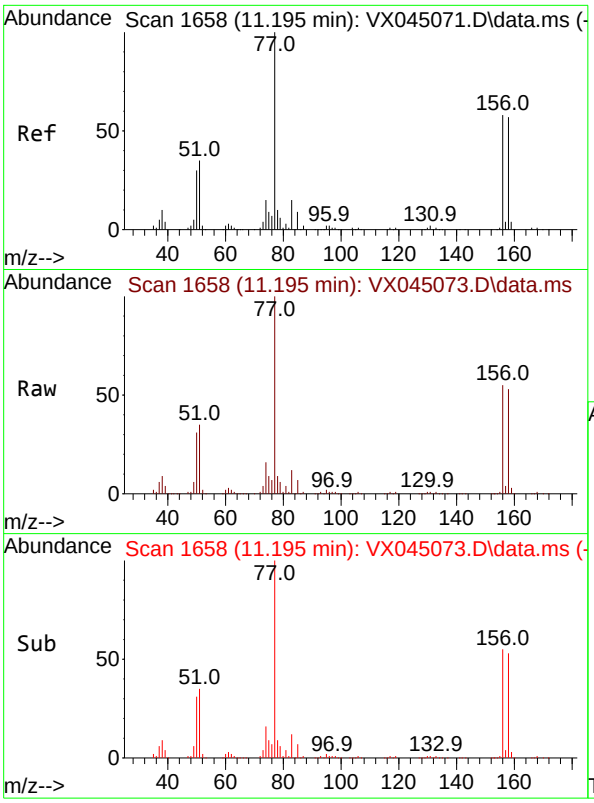


#76
1,2,3-Trichloropropane
Concen: 151.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 229435

Ion	Ratio	Lower	Upper
75	100		
77	43.2	20.7	62.1

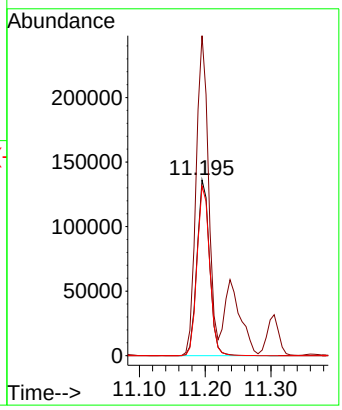




#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:156 Resp: 18099

Ion	Ratio	Lower	Upper
156	100		
77	179.4	85.8	257.4
158	97.1	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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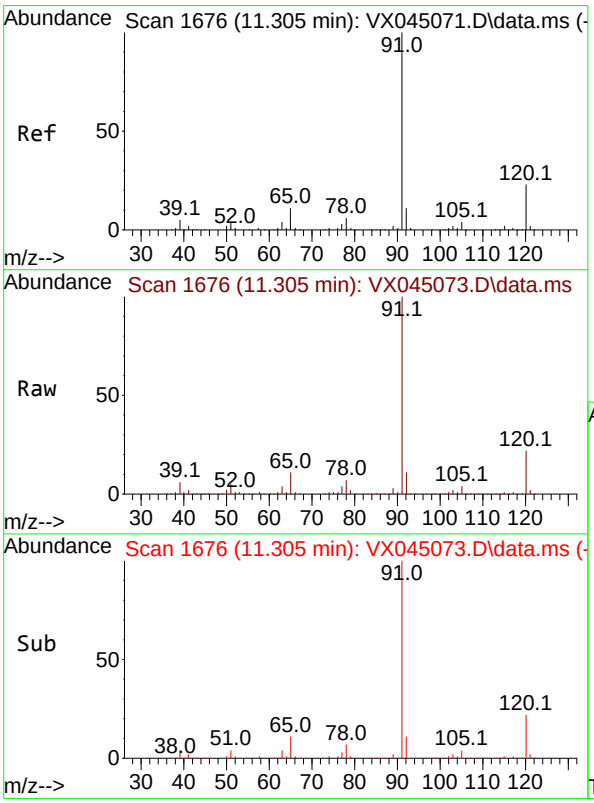
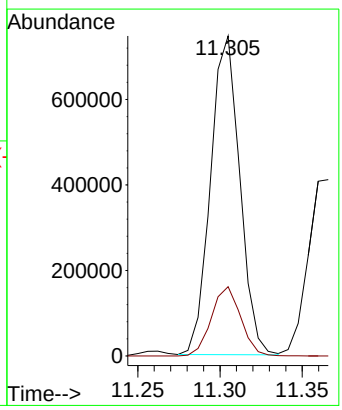
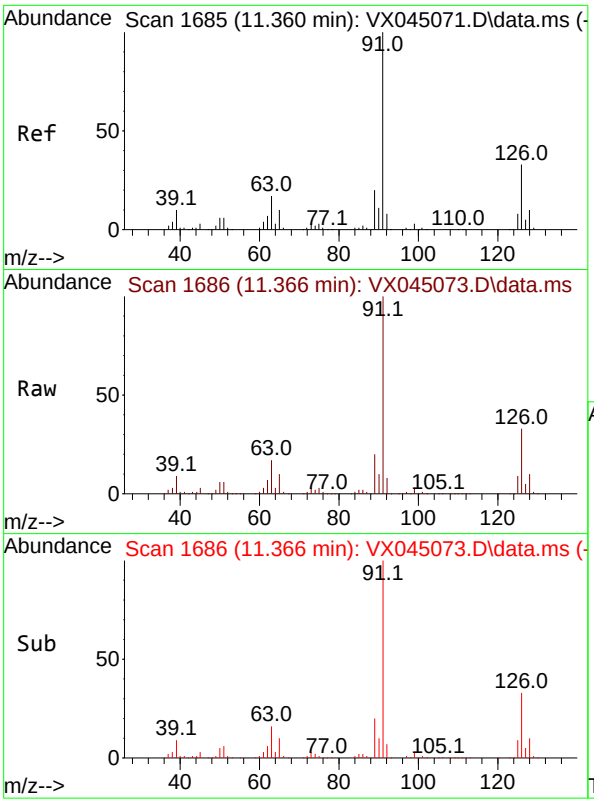


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 923593

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6

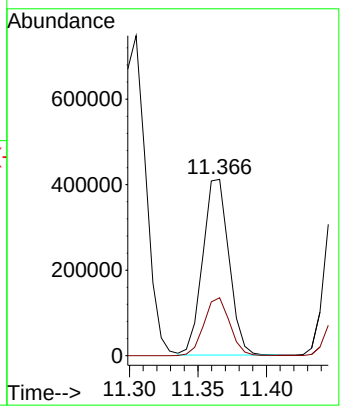




#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 54869

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
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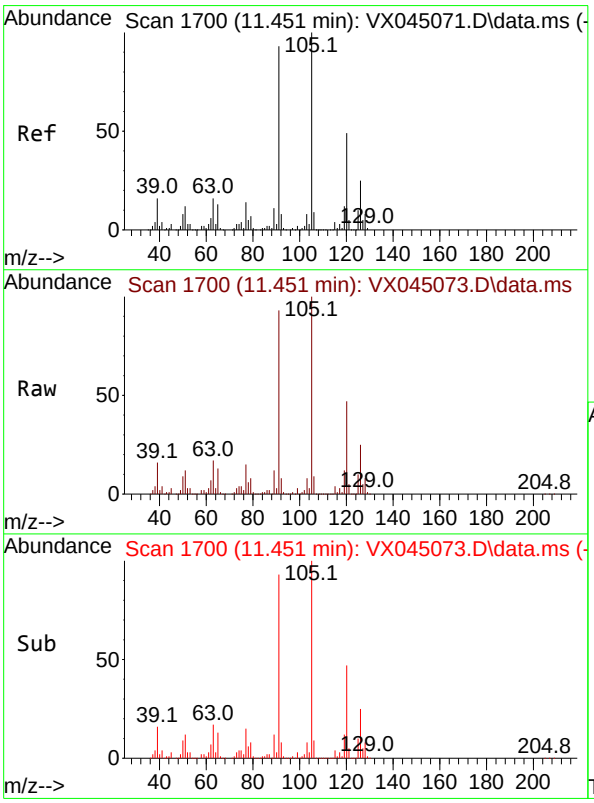
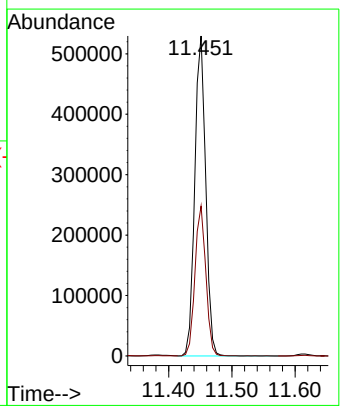
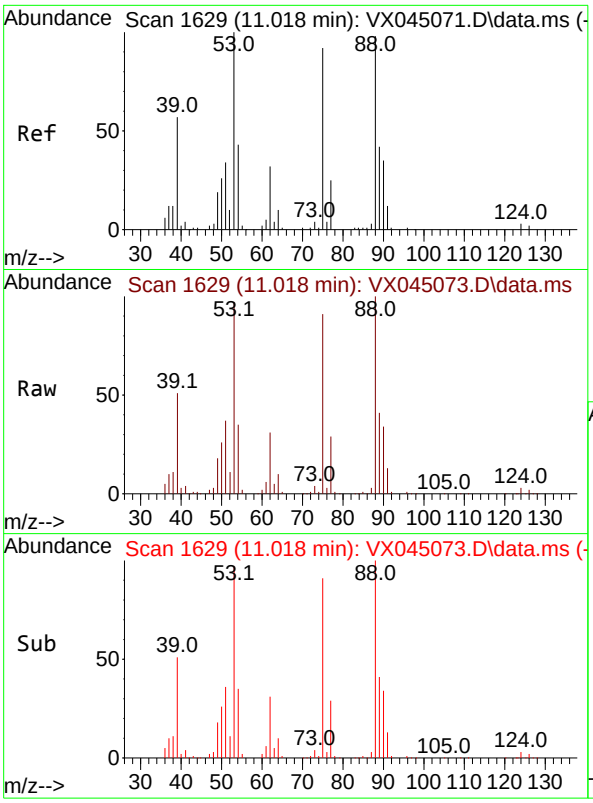


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 635832

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 8226

Ion	Ratio	Lower	Upper
75	100		
53	107.7	88.5	132.7
89	45.2	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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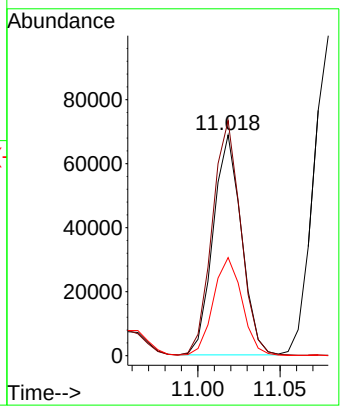
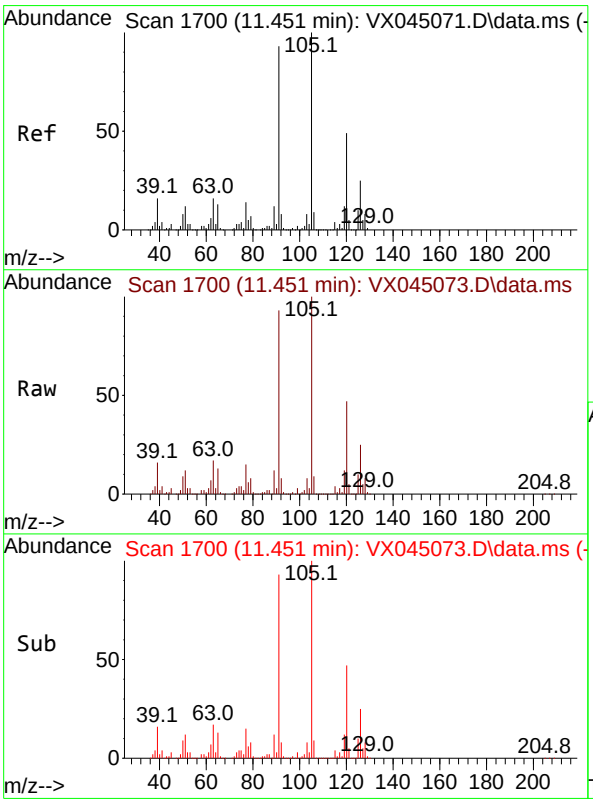
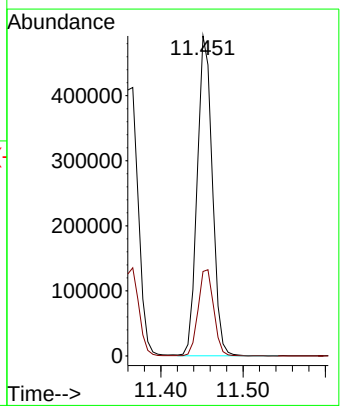


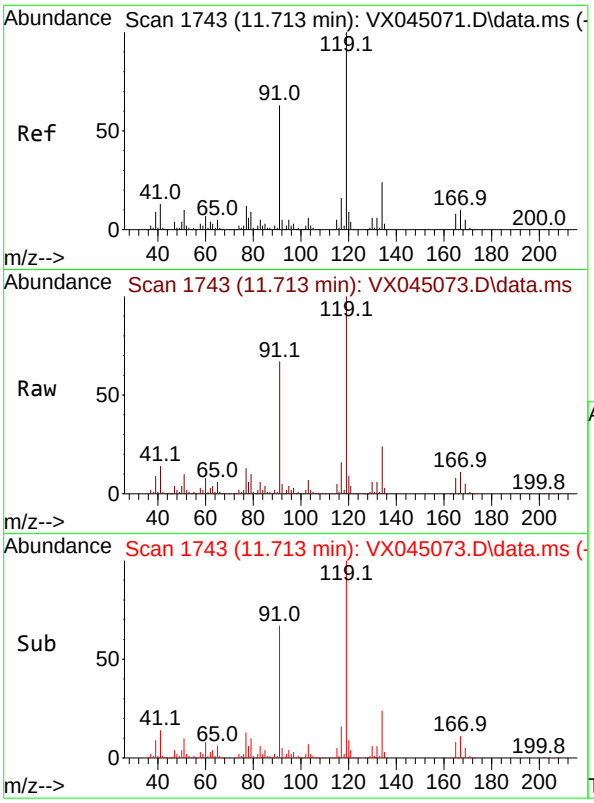


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

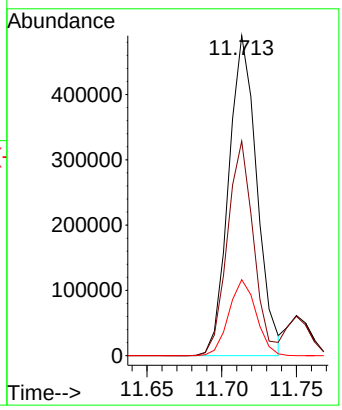




#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 64171

Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	23.0	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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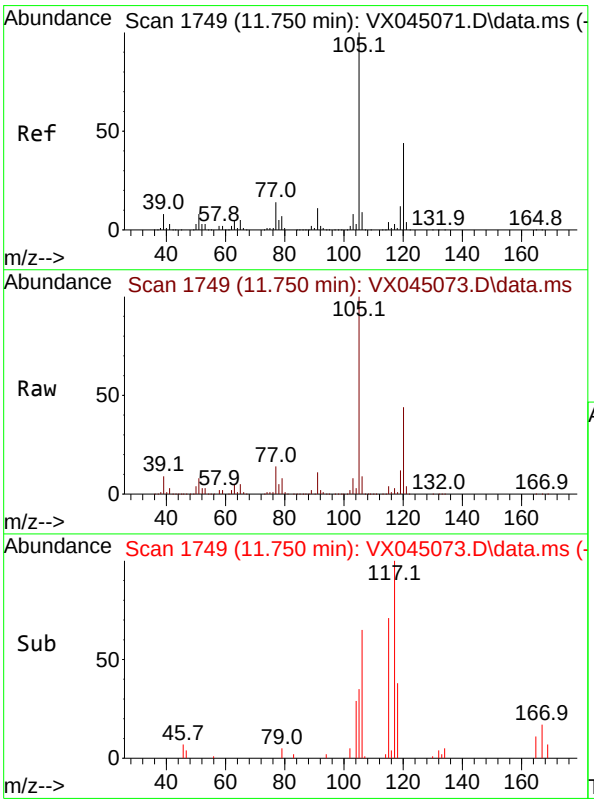
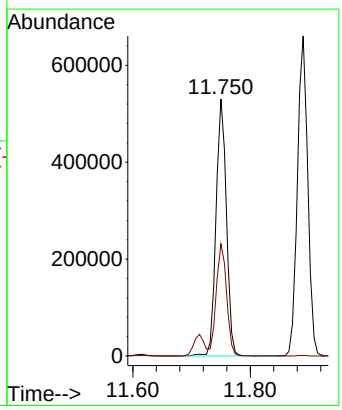
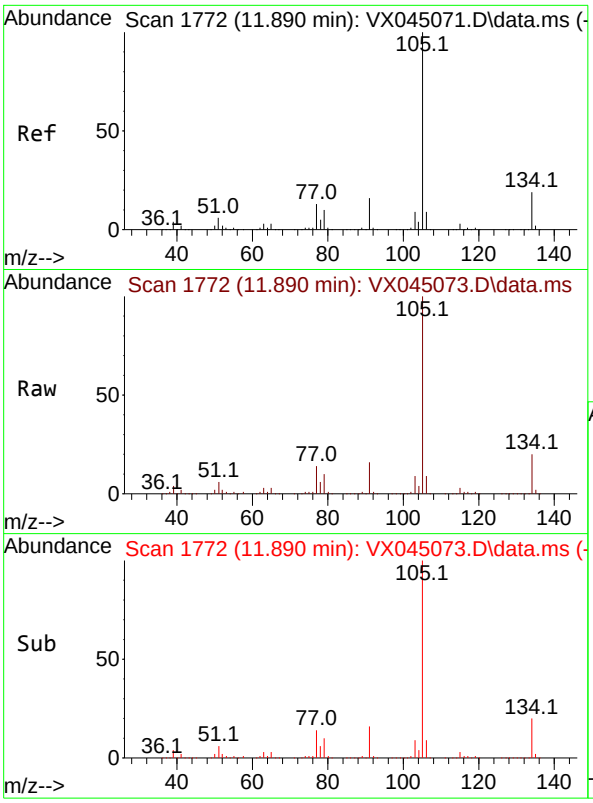


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1

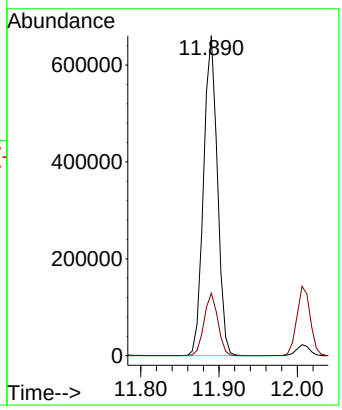




#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 80771

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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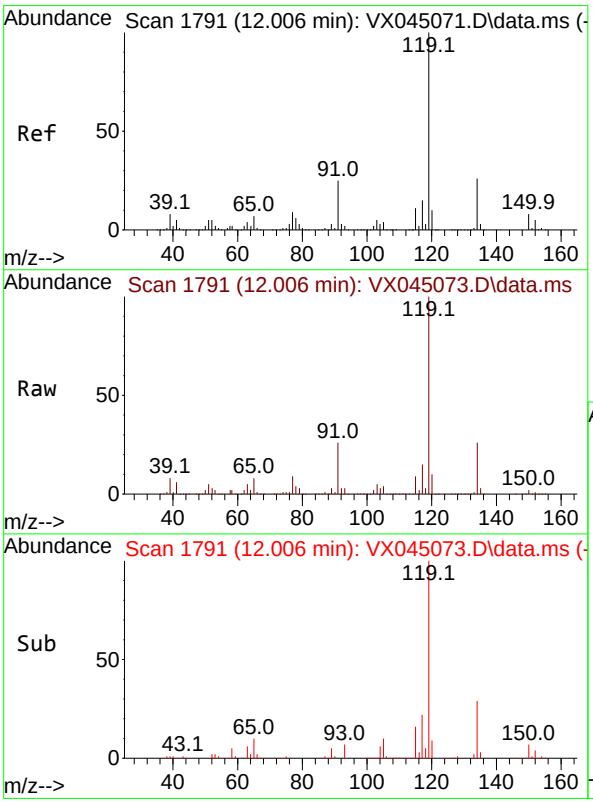
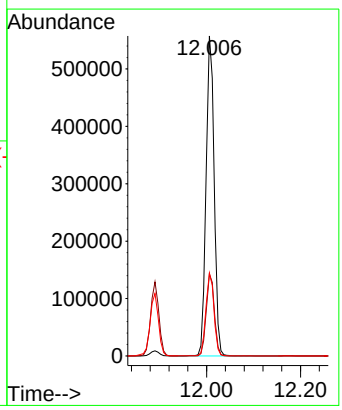
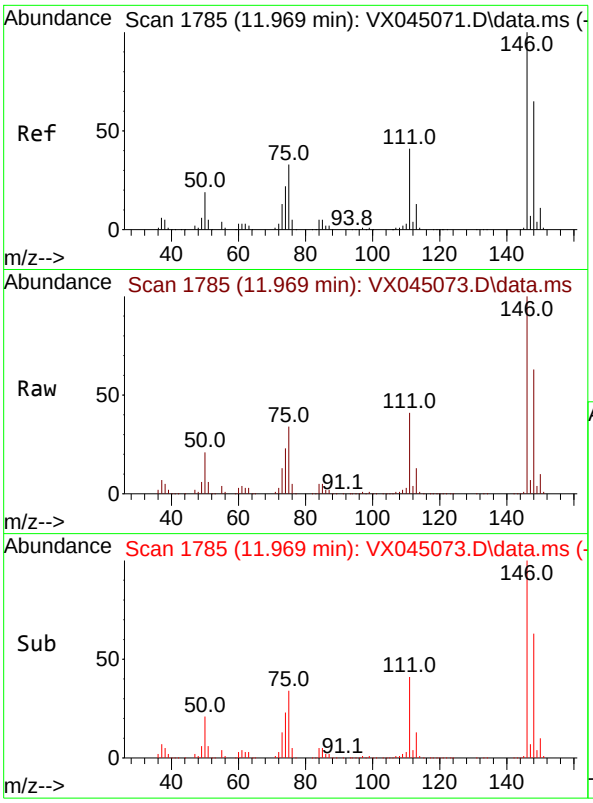


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 664916

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.8	12.7	38.0

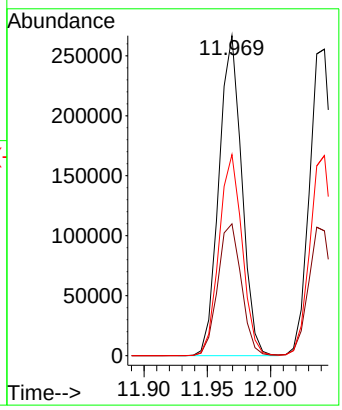




#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 33475

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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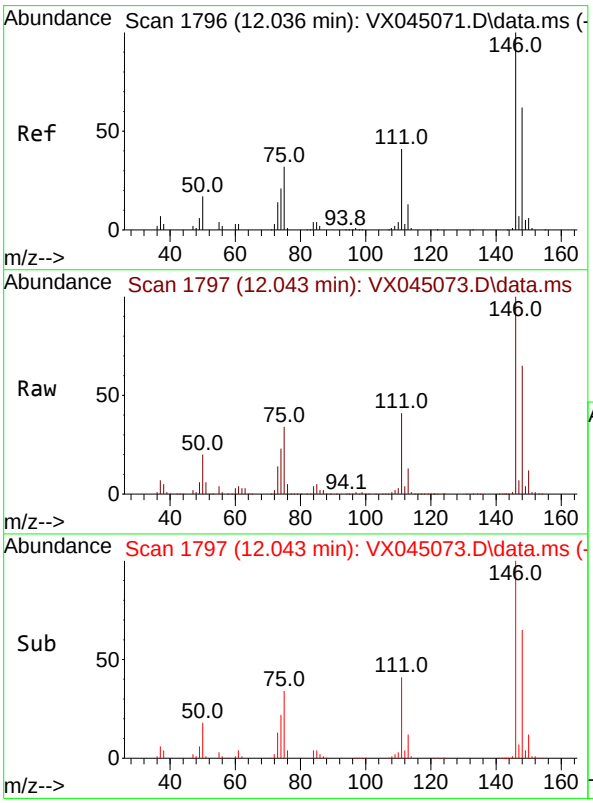
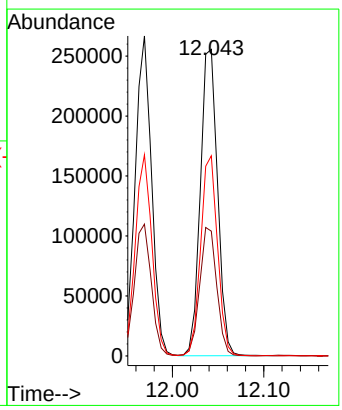
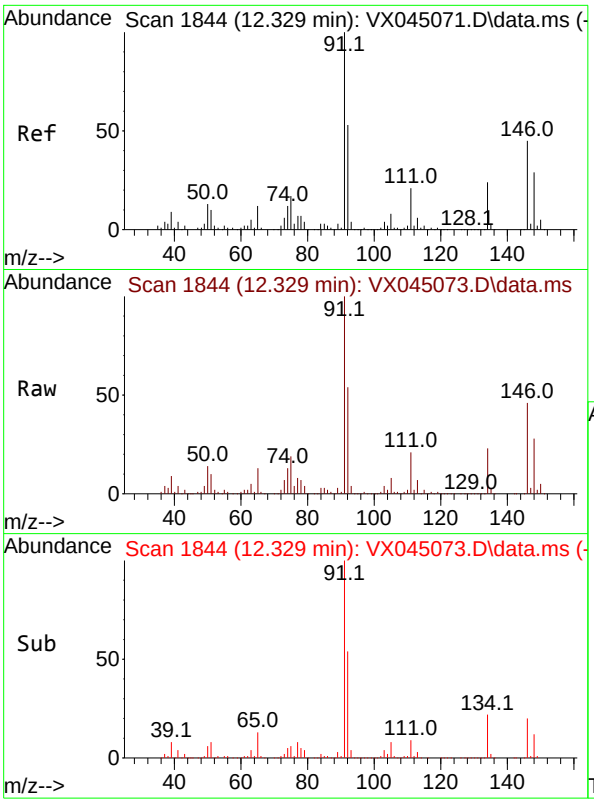


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 333594

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.5
148	64.0	31.9	95.9

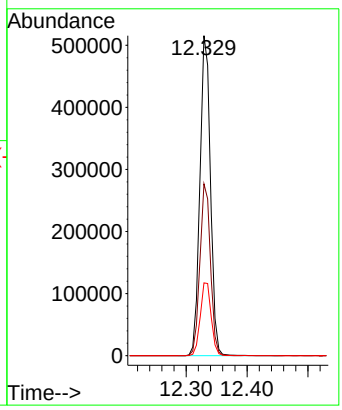




#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 62075

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	23.6	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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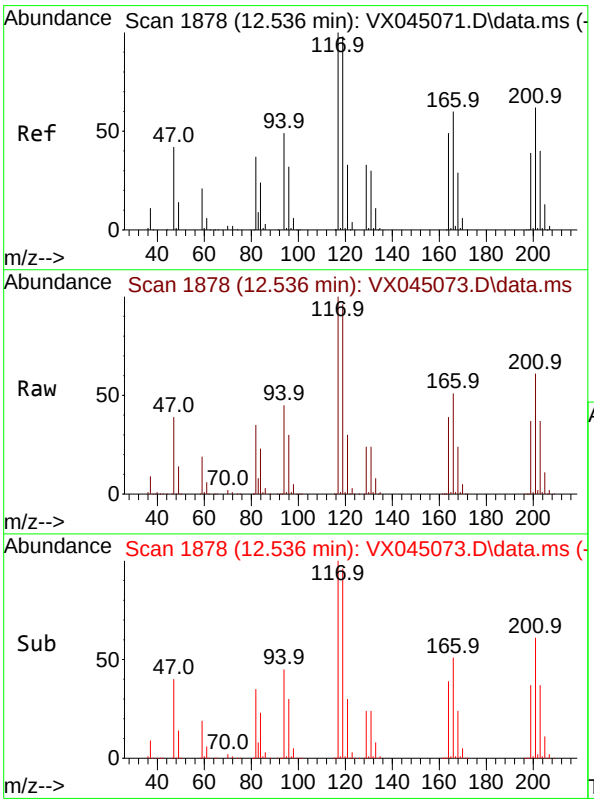
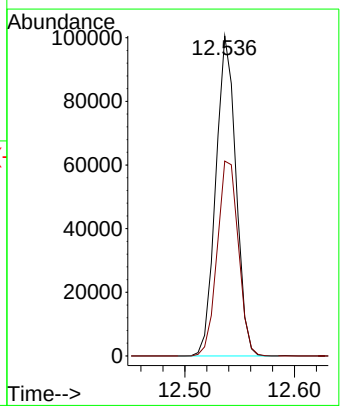
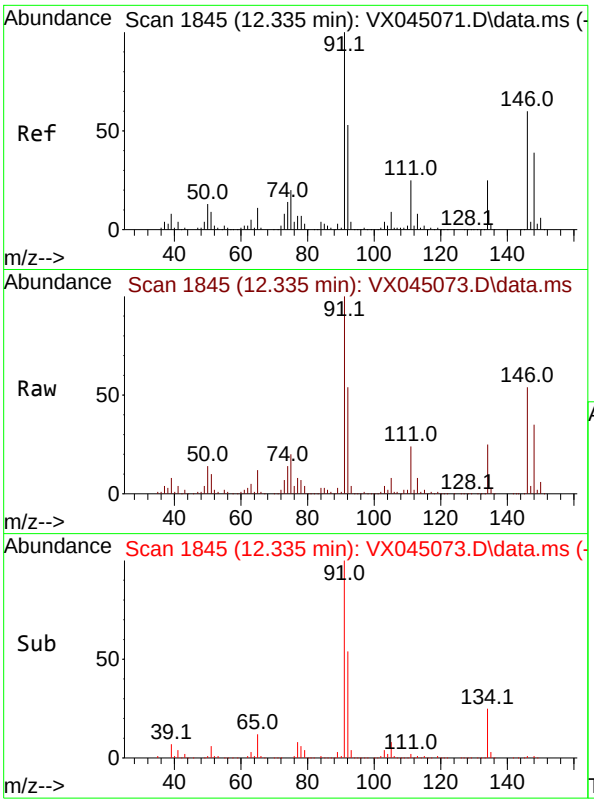


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9

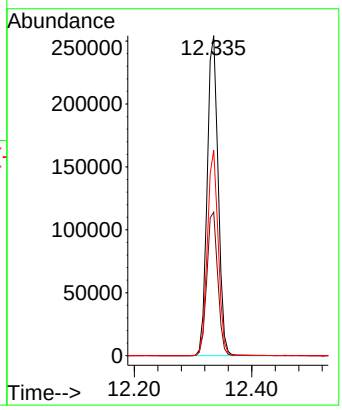




#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 32931

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.4	31.9	95.9



Instrument :
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ClientSampleId :
VSTDICC150

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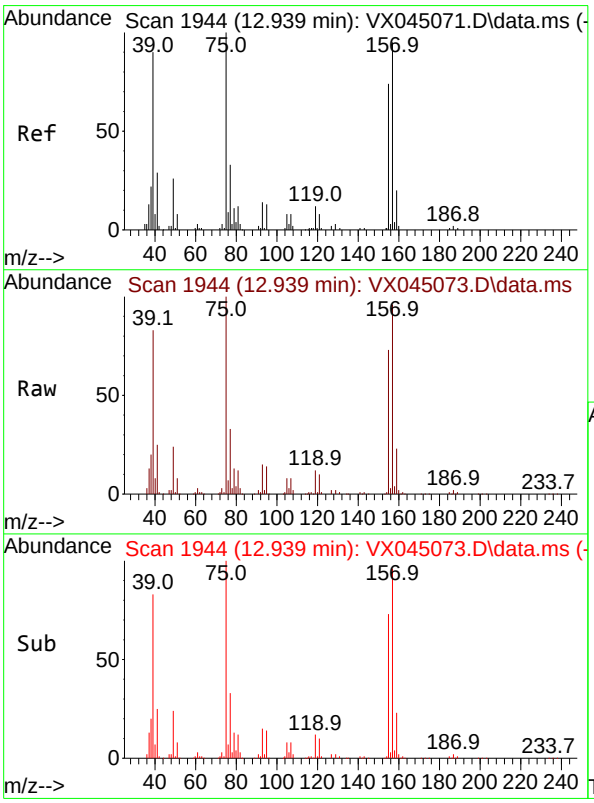
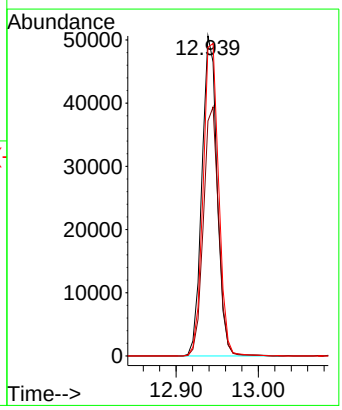
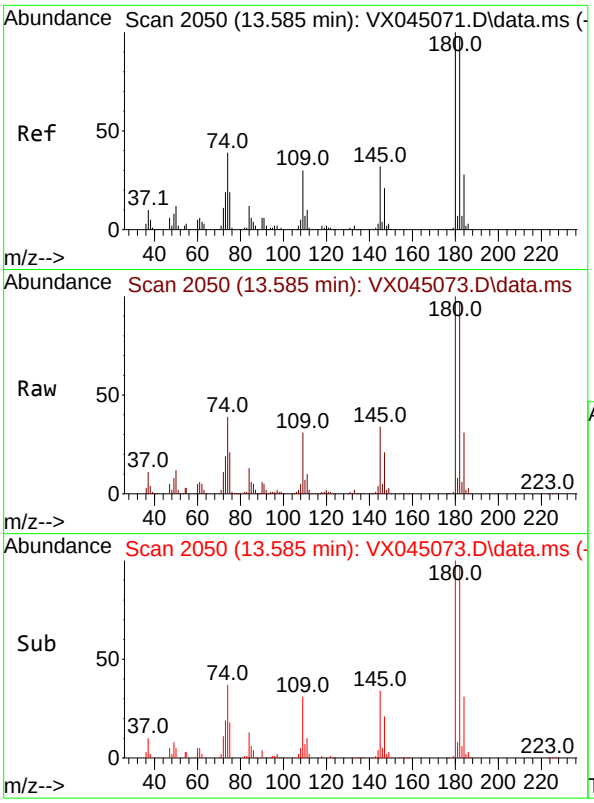


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 64958

Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.6	118.7
157	100.1	51.1	153.4

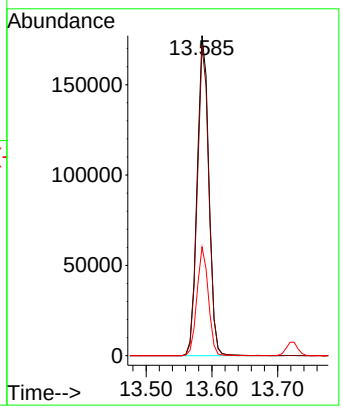




#93
1,2,4-Trichlorobenzene
Concen: 162.416 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 21931

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.9	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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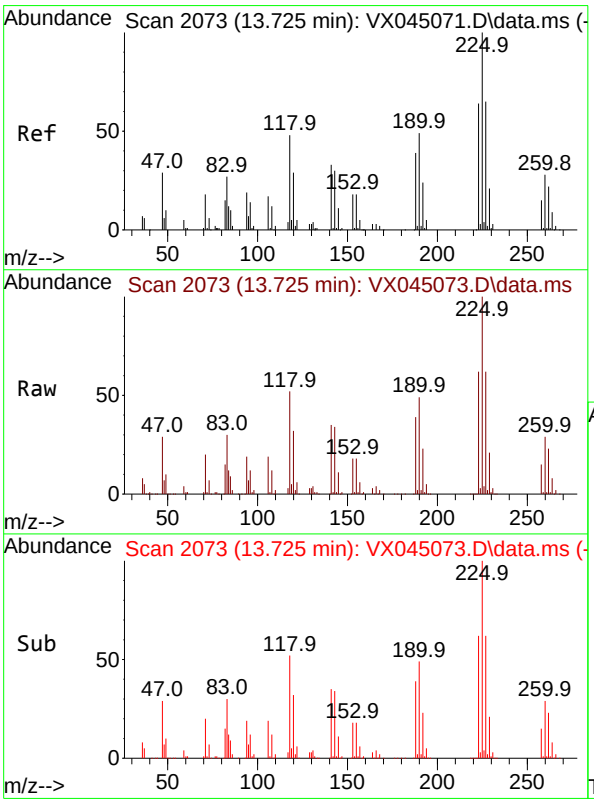
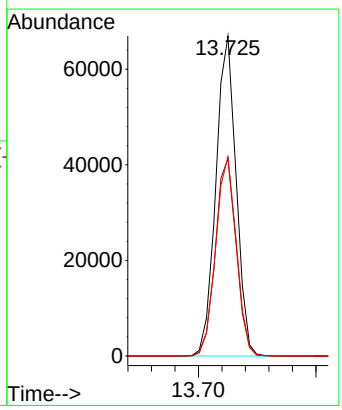
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

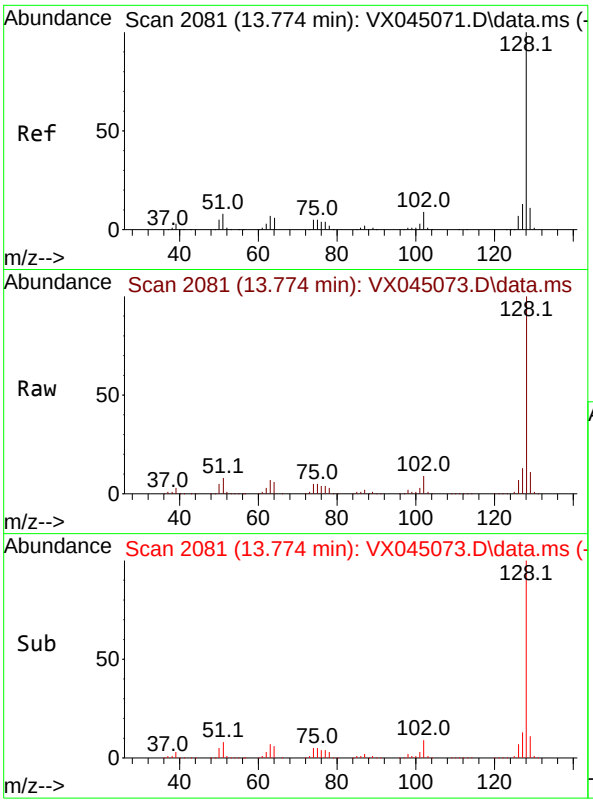


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:225 Resp: 80241

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	63.4	31.4	94.0

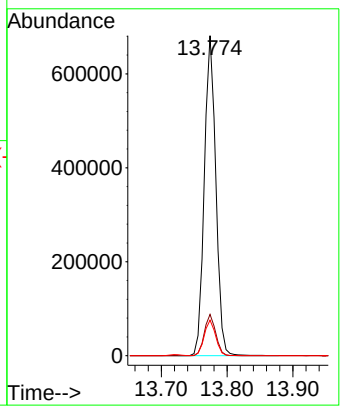




#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:128 Resp: 82894

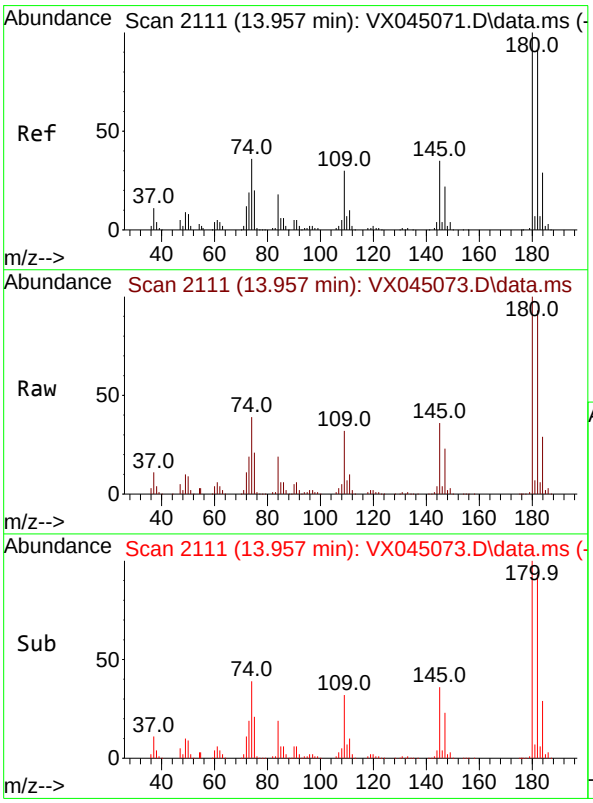
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

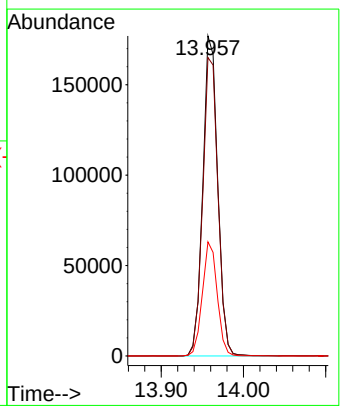
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 162.727 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 222608

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	35.5	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81288	50.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.600%			
35) Dibromofluoromethane	5.385	113	62880	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	225823	50.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.720%			
62) 4-Bromofluorobenzene	11.079	95	73162	49.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61303	47.933	ug/l	95
3) Chloromethane	1.306	50	76216	48.696	ug/l	94
4) Vinyl Chloride	1.373	62	76901	49.529	ug/l	97
5) Bromomethane	1.593	94	28193	46.190	ug/l	97
6) Chloroethane	1.660	64	30042	41.948	ug/l	99
7) Trichlorofluoromethane	1.867	101	101886	49.569	ug/l	98
8) Diethyl Ether	2.136	74	39113	48.651	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	59477	50.367	ug/l	100
10) Methyl Iodide	2.440	142	74585	50.541	ug/l	98
11) Tert butyl alcohol	2.989	59	73034	238.577	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61885	49.568	ug/l	98
13) Acrolein	2.239	56	95989	271.255	ug/l	99
14) Allyl chloride	2.654	41	114875	51.691	ug/l	98
15) Acrylonitrile	3.068	53	209607	255.479	ug/l	99
16) Acetone	2.392	43	182119	242.877	ug/l	100
17) Carbon Disulfide	2.501	76	166105	49.952	ug/l	97
18) Methyl Acetate	2.709	43	90756	50.312	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	222475	53.114	ug/l	99
20) Methylene Chloride	2.782	84	73731	49.639	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	63117	51.172	ug/l	98
22) Diisopropyl ether	3.763	45	243860	53.955	ug/l	97
23) Vinyl Acetate	3.721	43	1064817	282.313	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129666	51.190	ug/l	100
25) 2-Butanone	4.562	43	298021	264.040	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58694	49.401	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	78576	51.606	ug/l	100
28) Bromochloromethane	4.891	49	60849	50.399	ug/l	100
29) Tetrahydrofuran	5.007	42	195768	258.277	ug/l	99
30) Chloroform	5.086	83	126437	50.236	ug/l	98
31) Cyclohexane	5.464	56	110288	50.158	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103546	50.939	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82722	48.770	ug/l	99
37) Ethyl Acetate	4.714	43	112768	51.596	ug/l	99
38) Carbon Tetrachloride	5.672	117	85110	49.425	ug/l	99
39) Methylcyclohexane	7.372	83	103996	51.169	ug/l	98
40) Benzene	6.031	78	274206	51.195	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63051	53.352	ug/l		99
42) 1,2-Dichloroethane	6.080	62	97821	50.718	ug/l		100
43) Isopropyl Acetate	6.342	43	175982	54.452	ug/l		100
44) Trichloroethene	7.122	130	61530	48.924	ug/l		99
45) 1,2-Dichloropropane	7.427	63	70350	51.086	ug/l		97
46) Dibromomethane	7.580	93	50284	51.661	ug/l		99
47) Bromodichloromethane	7.817	83	97236	50.930	ug/l		99
48) Methyl methacrylate	7.689	41	87582	54.016	ug/l		100
49) 1,4-Dioxane	7.665	88	35878	1049.007	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	564197	259.995	ug/l		99
52) Toluene	8.714	92	160331	51.020	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86584	54.247	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	98146	52.732	ug/l		95
55) 1,1,2-Trichloroethane	9.146	97	64985	50.232	ug/l		99
56) Ethyl methacrylate	9.116	69	106405	54.109	ug/l		100
57) 1,3-Dichloropropane	9.305	76	114880	51.312	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	264335	275.557	ug/l		99
59) 2-Hexanone	9.427	43	416731	265.049	ug/l		99
60) Dibromochloromethane	9.518	129	69492	51.374	ug/l		98
61) 1,2-Dibromoethane	9.610	107	66501	51.492	ug/l		99
64) Tetrachloroethene	9.268	164	50659	50.126	ug/l		96
65) Chlorobenzene	10.079	112	168885	50.580	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56822	51.102	ug/l		98
67) Ethyl Benzene	10.189	91	300324	51.621	ug/l		100
68) m/p-Xylenes	10.299	106	220335	103.454	ug/l		99
69) o-Xylene	10.640	106	108836	50.668	ug/l		100
70) Styrene	10.652	104	181349	52.177	ug/l		100
71) Bromoform	10.799	173	44135	52.636	ug/l	#	100
73) Isopropylbenzene	10.957	105	279278	51.589	ug/l		99
74) N-amyl acetate	10.841	43	144412	56.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	100800	50.741	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	80618m	49.940	ug/l		
77) Bromobenzene	11.195	156	64324	50.360	ug/l		100
78) n-propylbenzene	11.305	91	319235	52.203	ug/l		99
79) 2-Chlorotoluene	11.360	91	192150	49.338	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	225622	51.544	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23943	50.757	ug/l		99
82) 4-Chlorotoluene	11.451	91	216511	51.009	ug/l		100
83) tert-Butylbenzene	11.713	119	227357	50.552	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	228729	51.932	ug/l		100
85) sec-Butylbenzene	11.890	105	283931	52.703	ug/l		100
86) p-Isopropyltoluene	12.006	119	229894	52.803	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	114778	50.372	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115486	50.097	ug/l		99
89) n-Butylbenzene	12.329	91	204972	54.662	ug/l		99
90) Hexachloroethane	12.536	117	40844	51.866	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	116343	50.899	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20589	53.199	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	71368	54.834	ug/l		98
94) Hexachlorobutadiene	13.725	225	26697	50.032	ug/l		99
95) Naphthalene	13.774	128	275844	55.163	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	74211	54.049	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

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

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

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

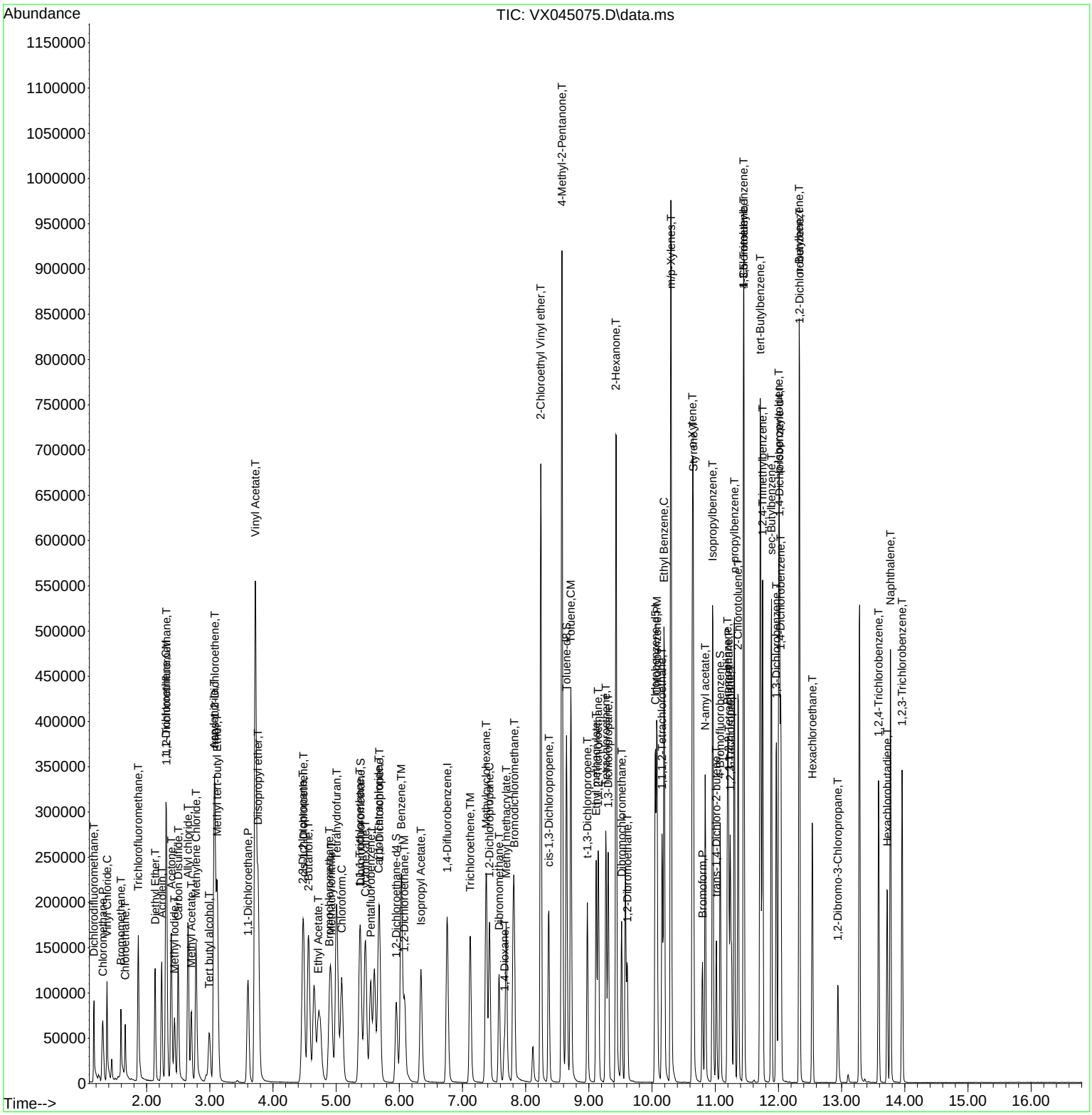
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

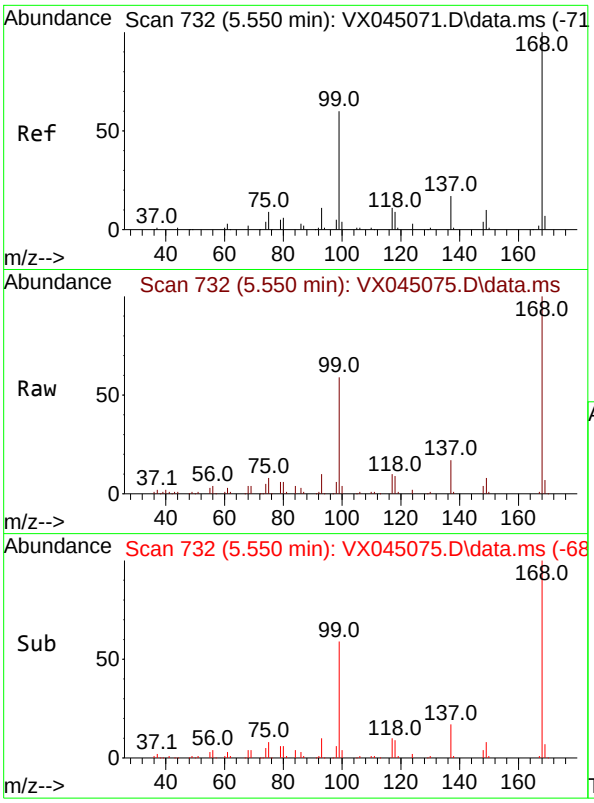
Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

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

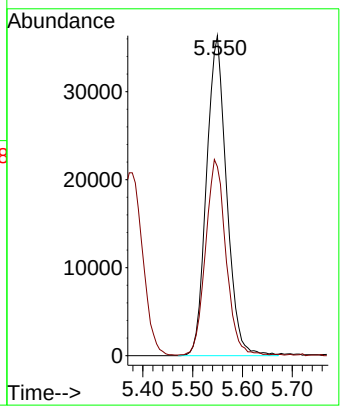




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:168 Resp: 10160

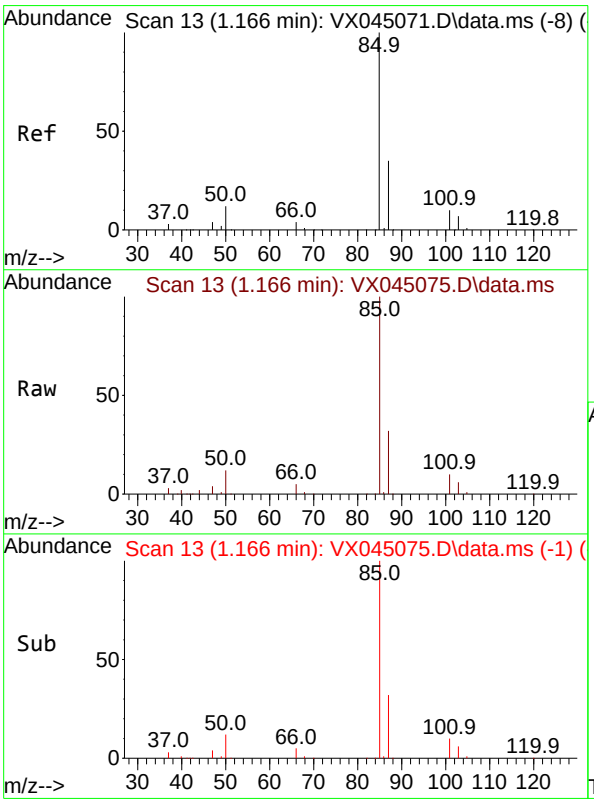
Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

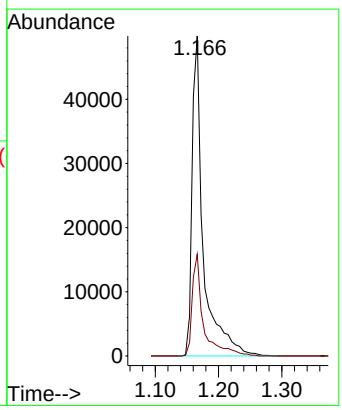
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

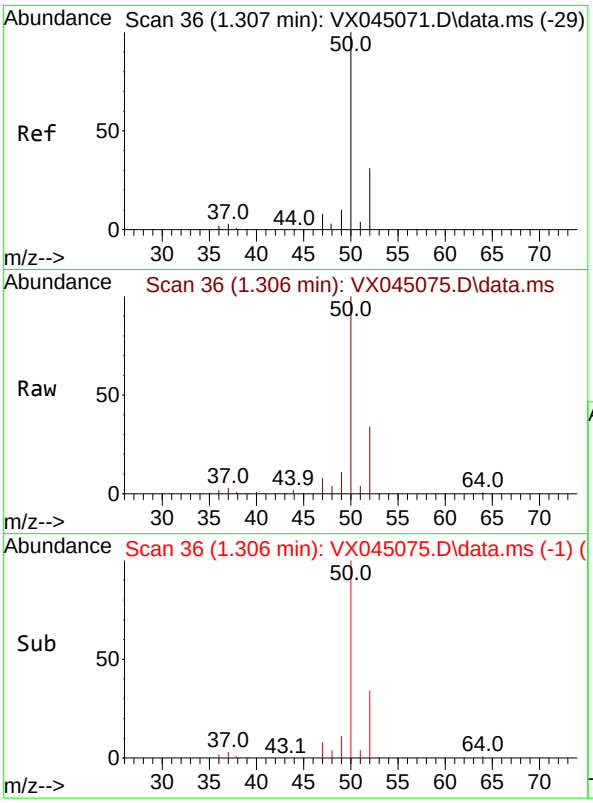


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 85 Resp: 61303

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3

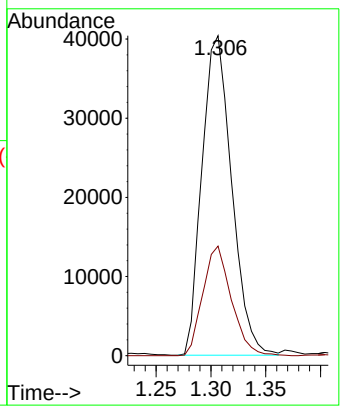




#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 3(
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 50 Resp: 7621(

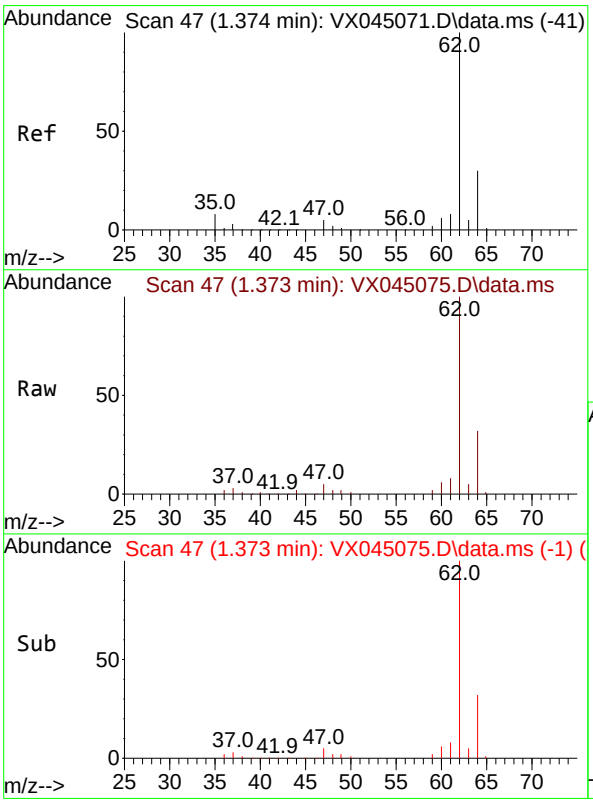
Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

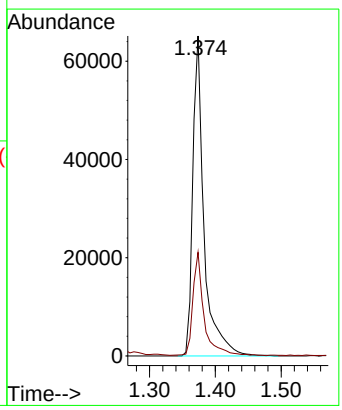
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

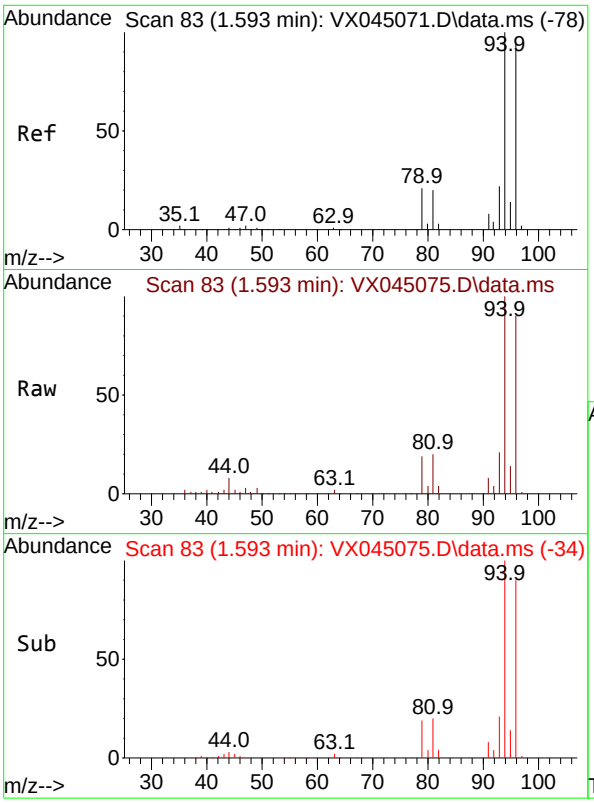


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5

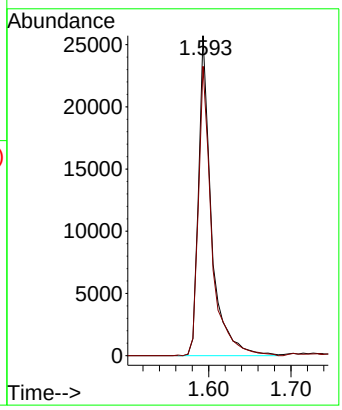




#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 94 Resp: 2819

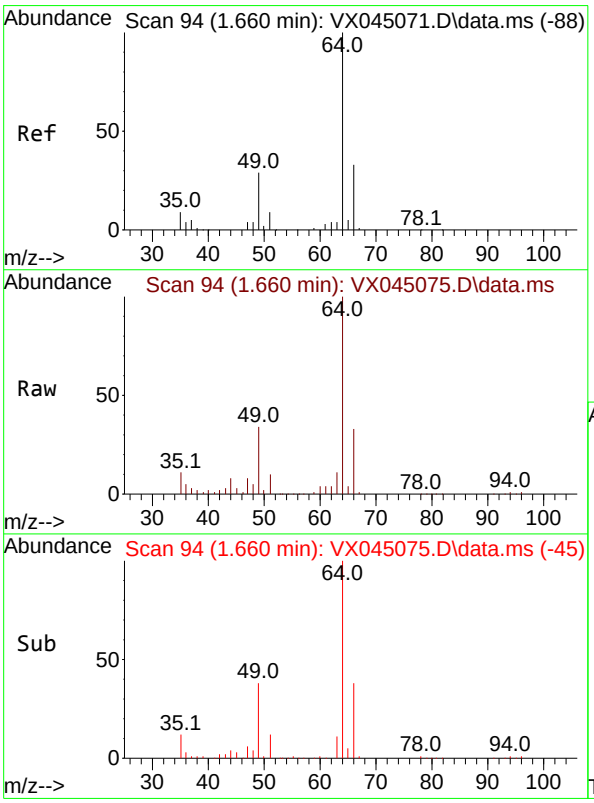
Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

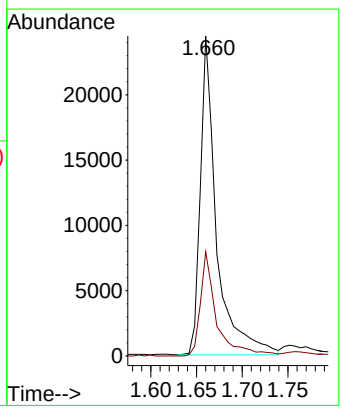
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

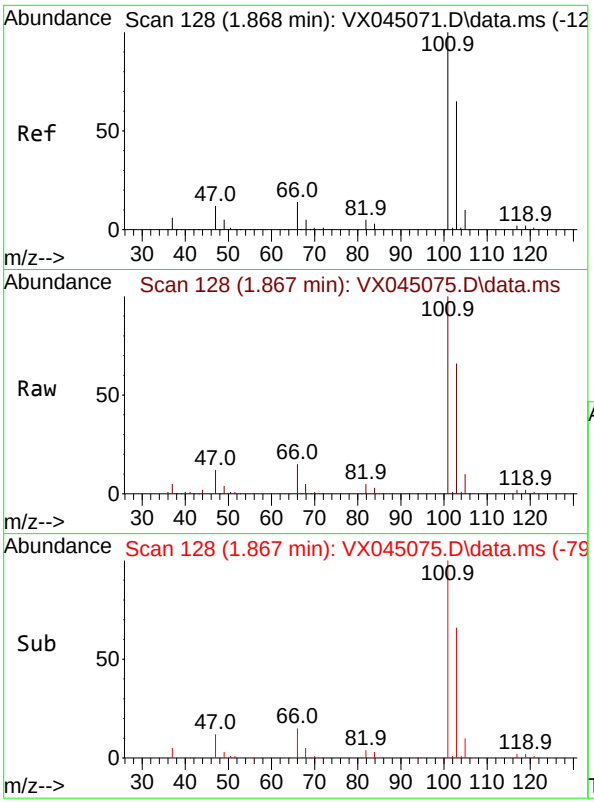


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1

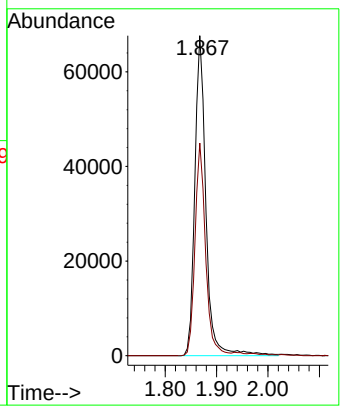




#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:101 Resp: 10188

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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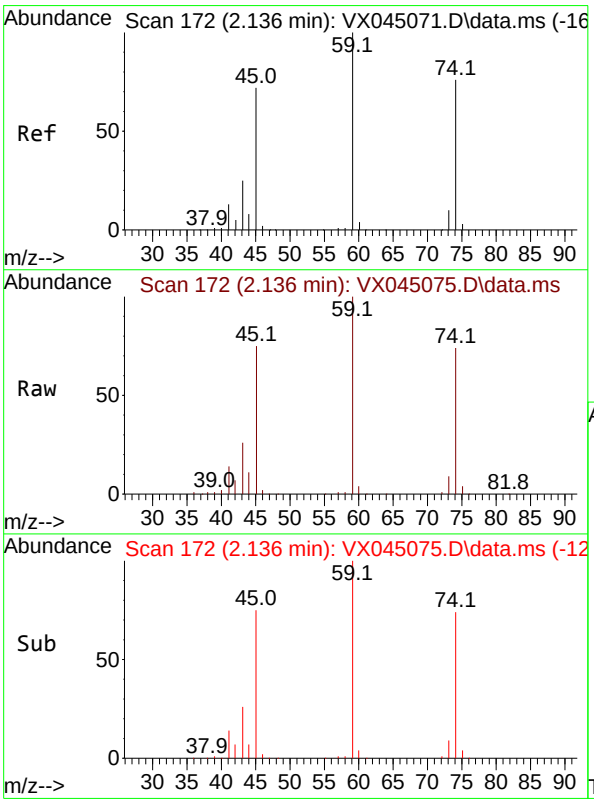
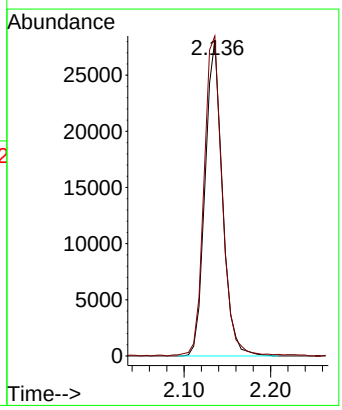
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

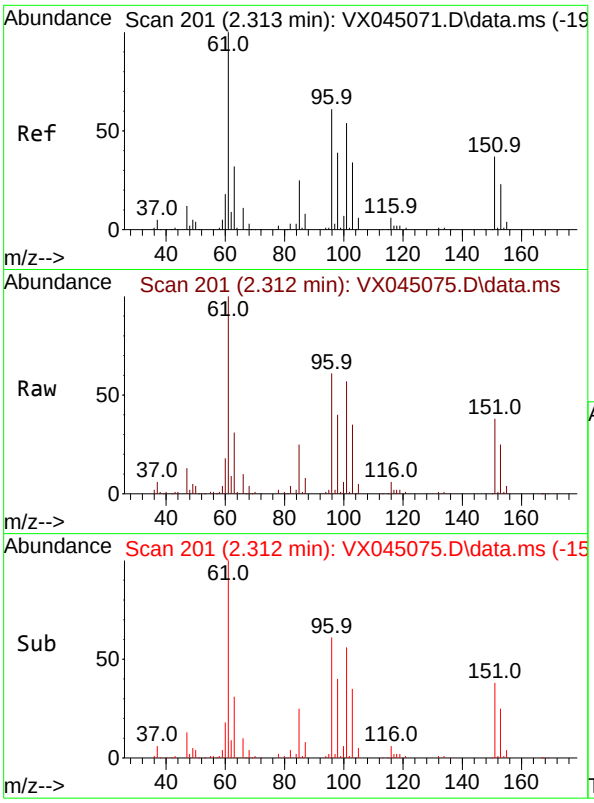


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5

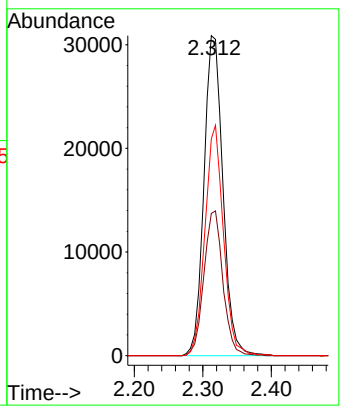




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:101 Resp: 5947

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6



Instrument :
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ClientSampleId :
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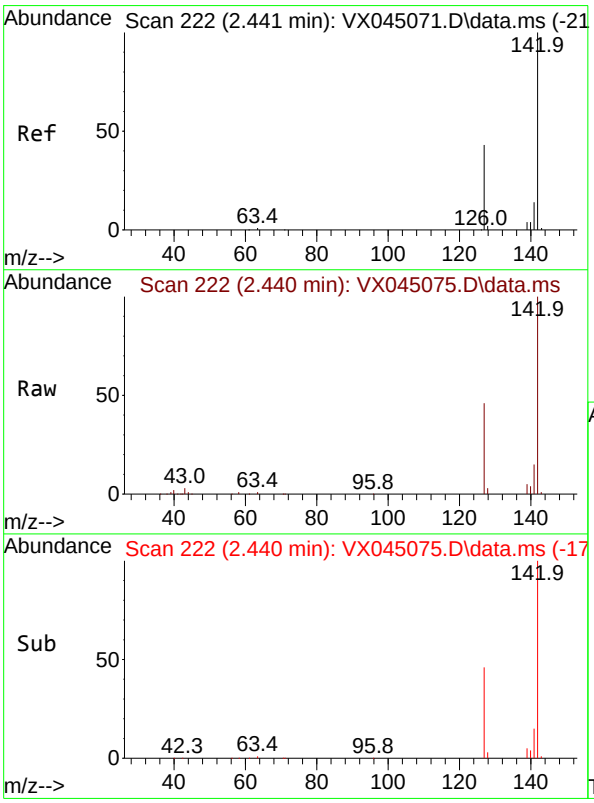
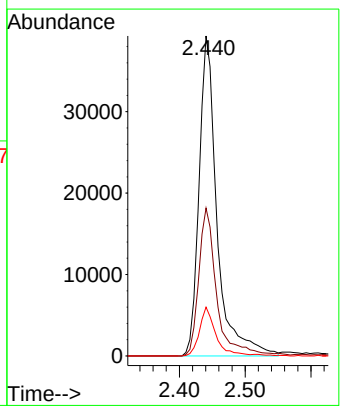
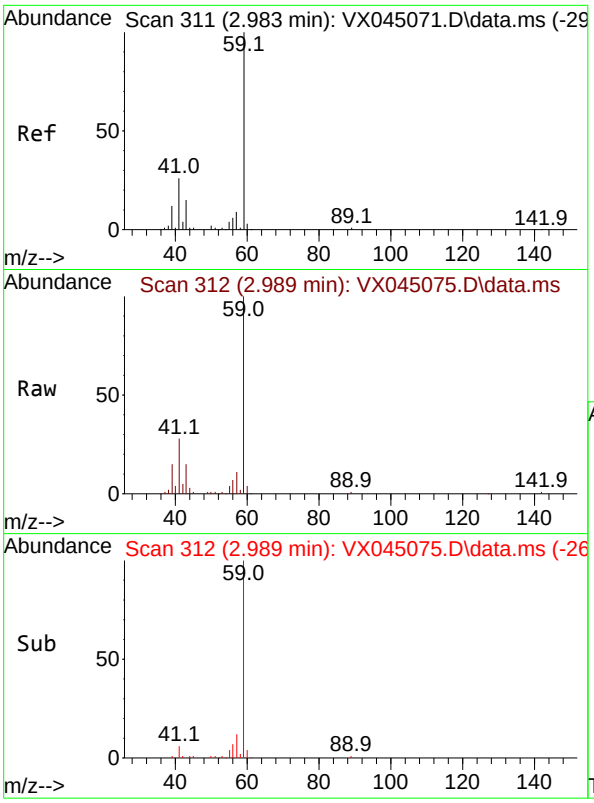


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:142 Resp: 74585

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	14.3	11.6	17.4

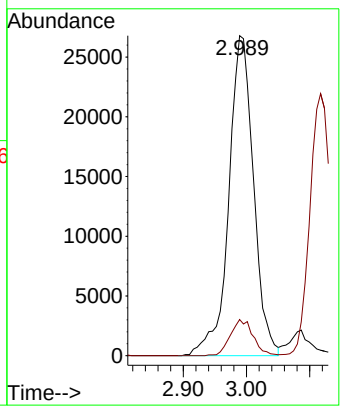




#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 59 Resp: 7303

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
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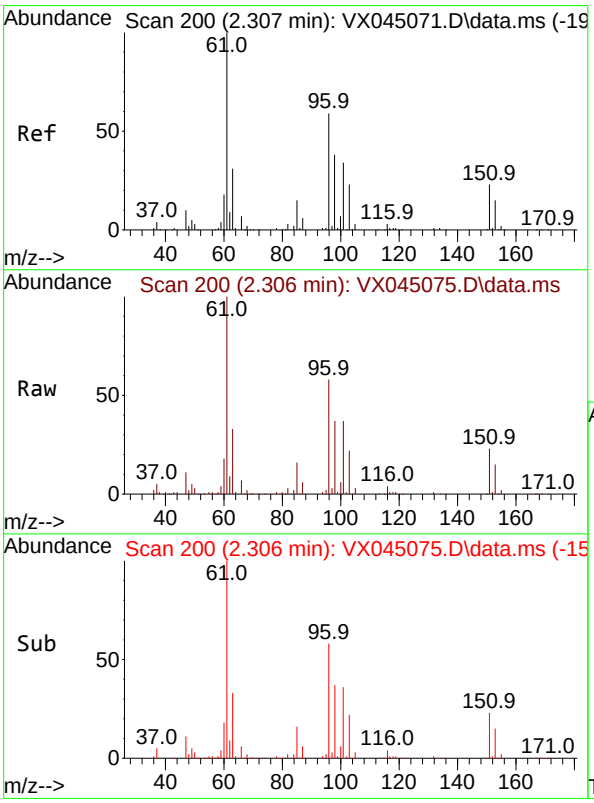
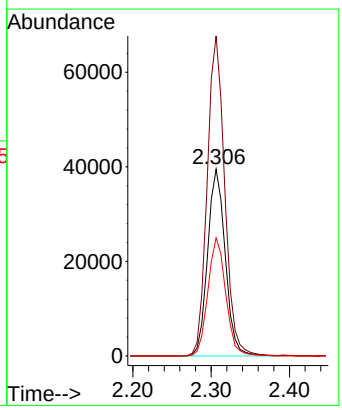
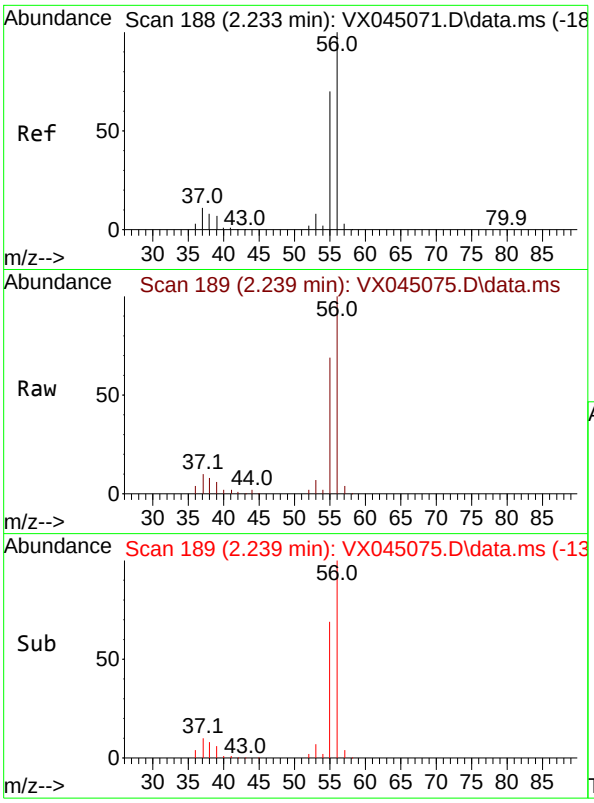


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 61885

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.2	51.0	76.6

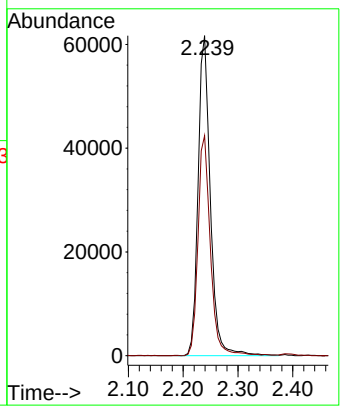




#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 9598

Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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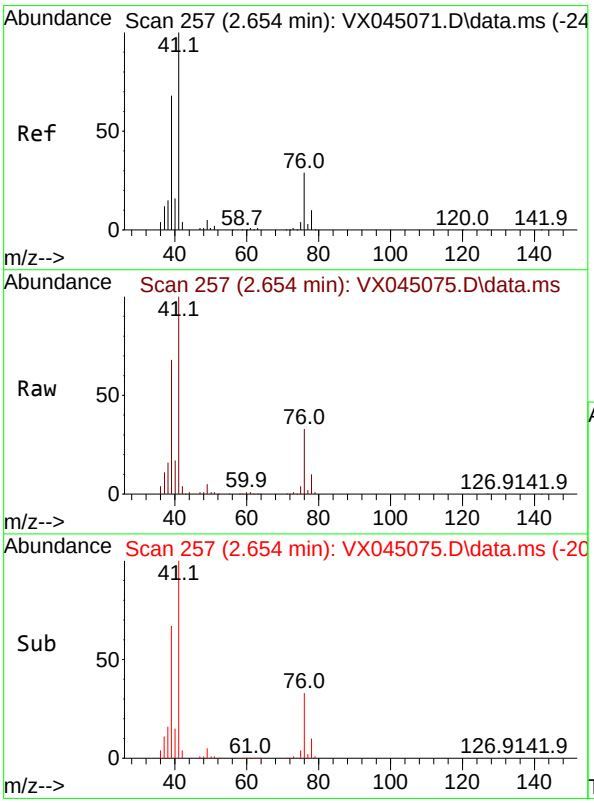
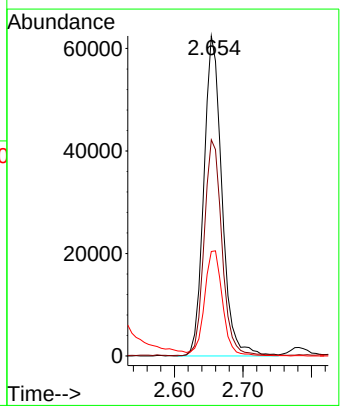
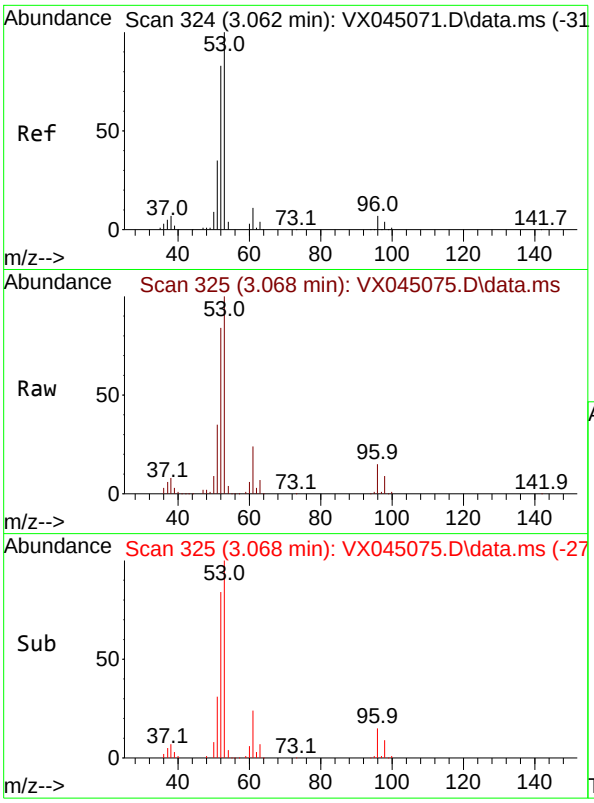


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 114875

Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.8	80.8
76	33.0	25.2	37.8

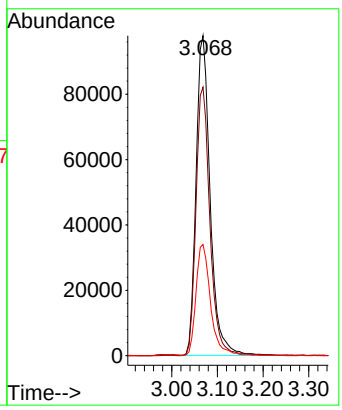




#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 53 Resp: 20960

Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.8	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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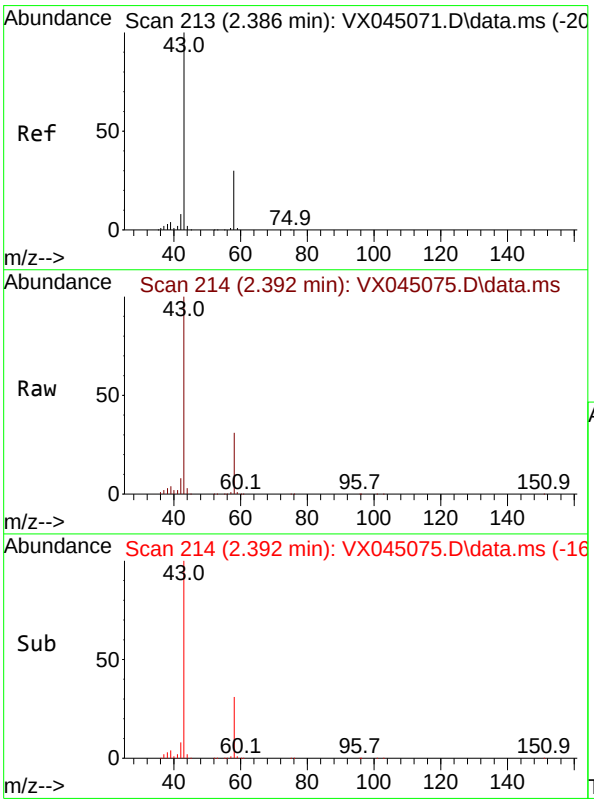
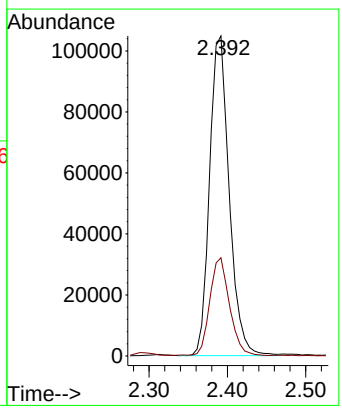
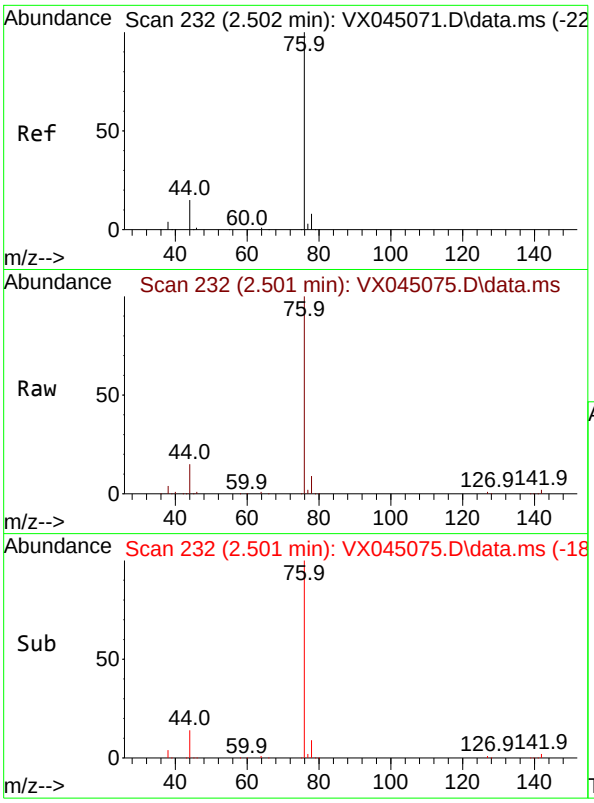


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4

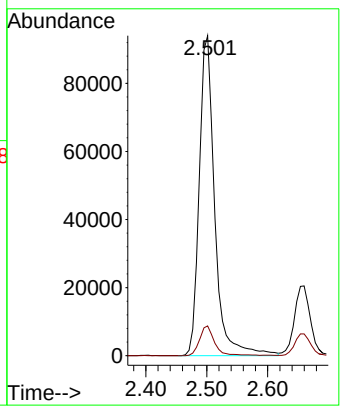




#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 76 Resp: 16610

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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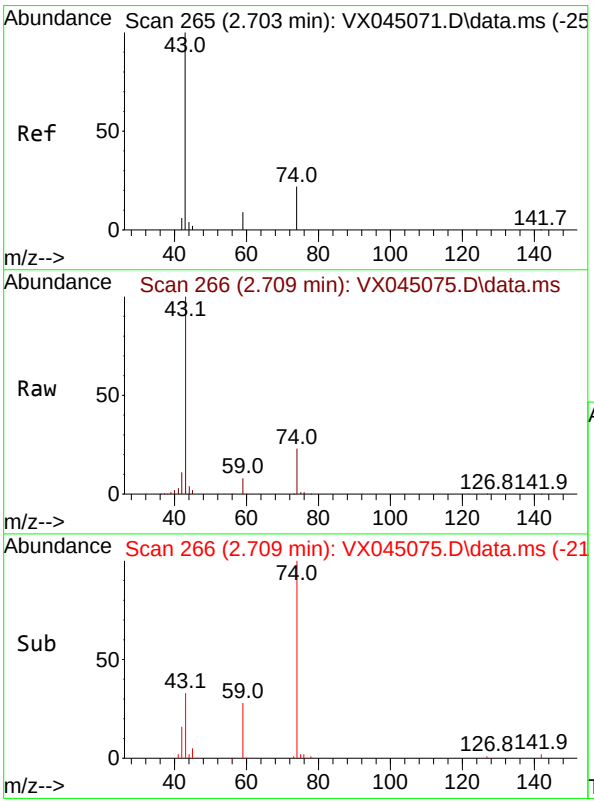
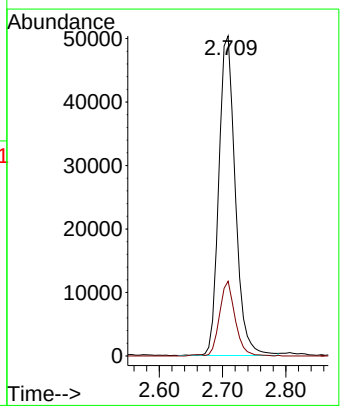
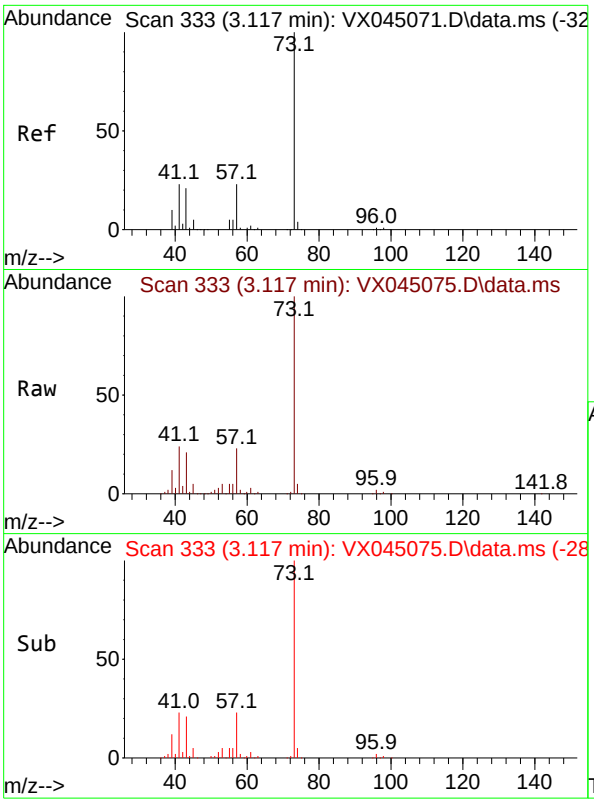


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2

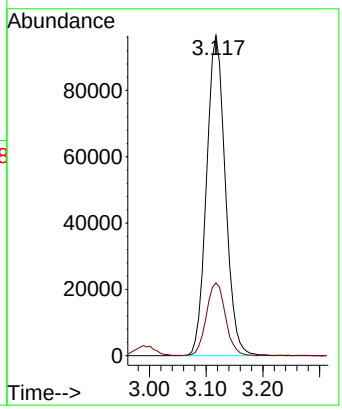




#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 73 Resp: 22247

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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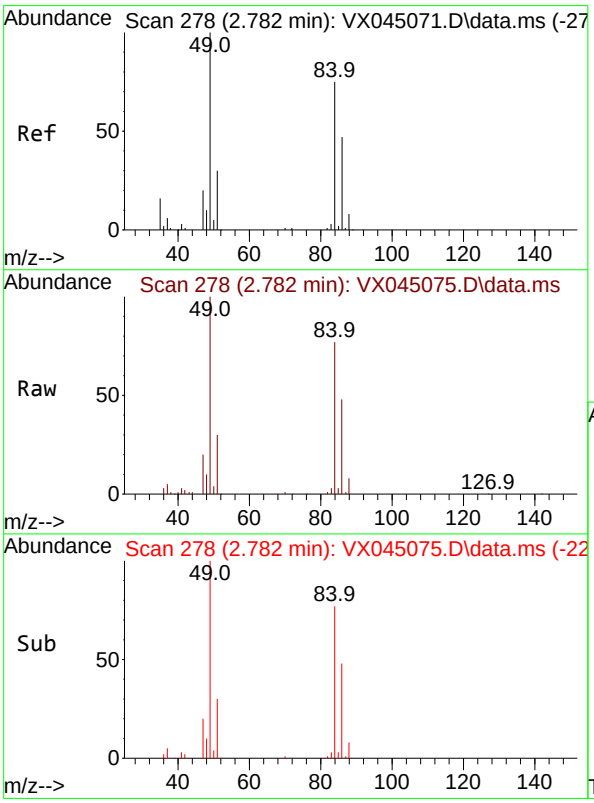
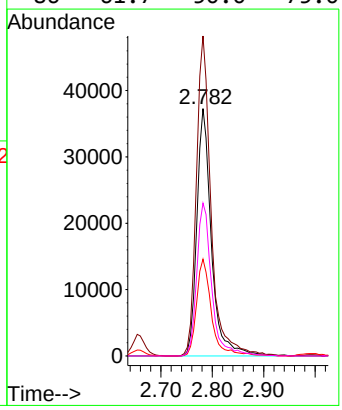
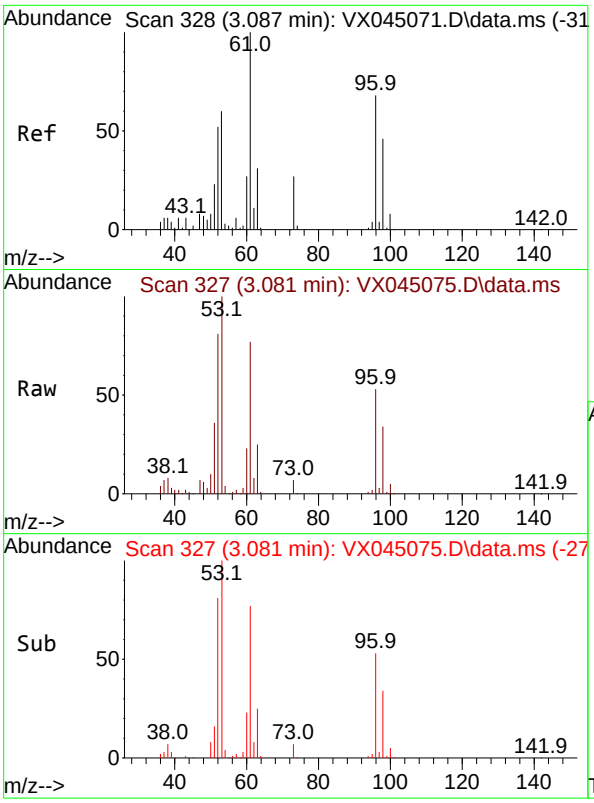


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 84 Resp: 73731

Ion	Ratio	Lower	Upper
84	100		
49	129.3	106.5	159.7
51	39.1	32.1	48.1
86	61.7	50.0	75.0

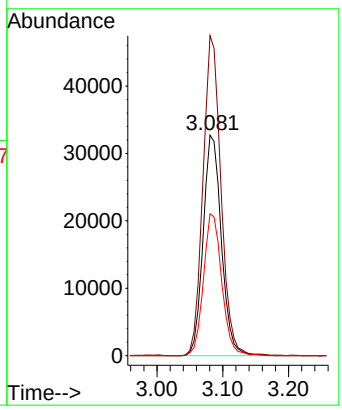




#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 6311

Ion	Ratio	Lower	Upper
96	100		
61	145.2	117.0	175.4
98	64.4	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
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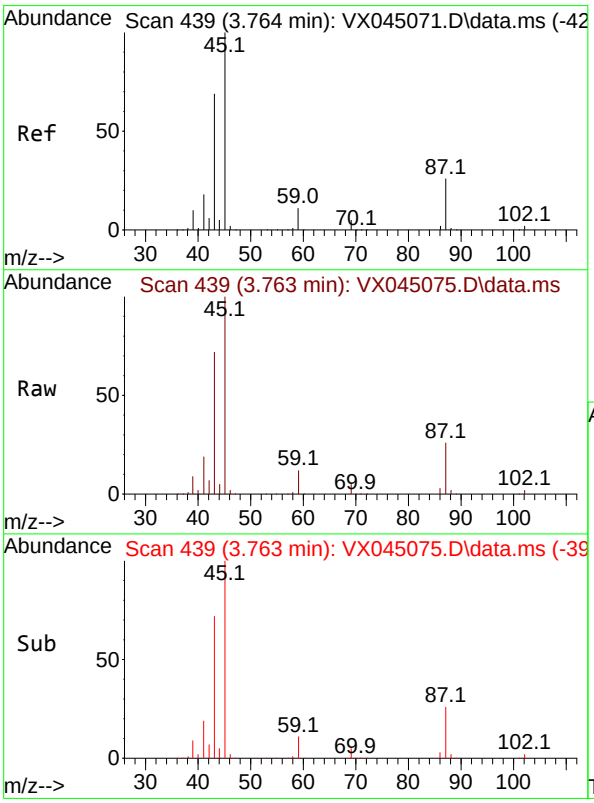
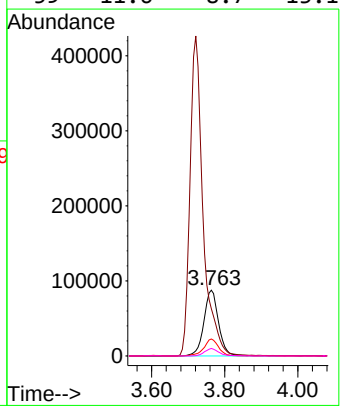
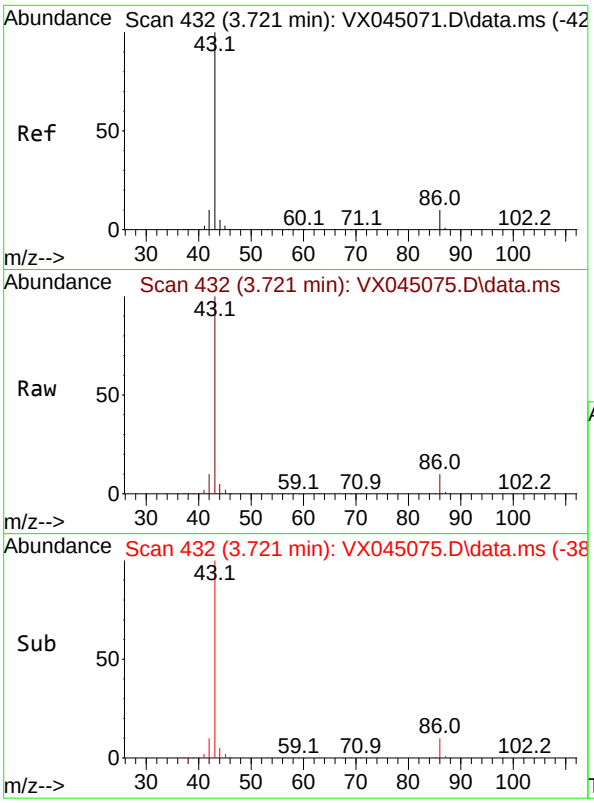


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 45 Resp: 243860

Ion	Ratio	Lower	Upper
45	100		
43	71.9	54.9	82.3
87	25.8	21.0	31.4
59	11.6	8.7	13.1

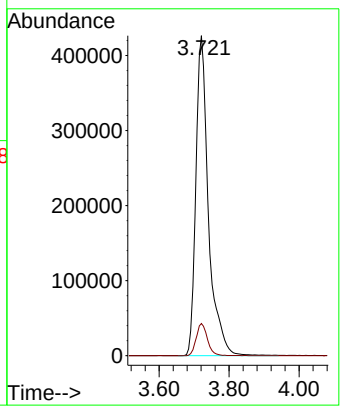




#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 106481

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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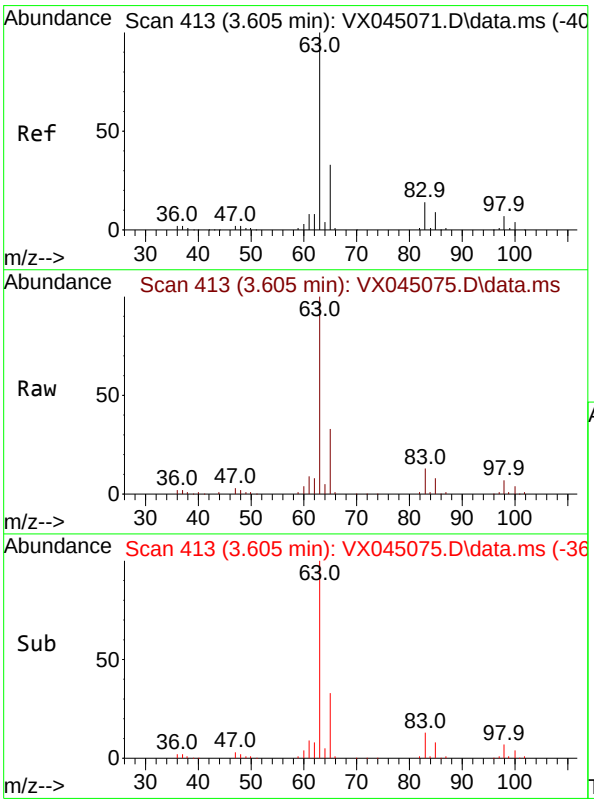
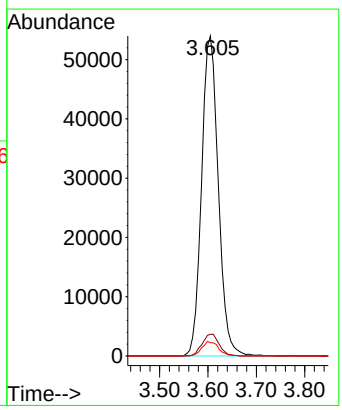
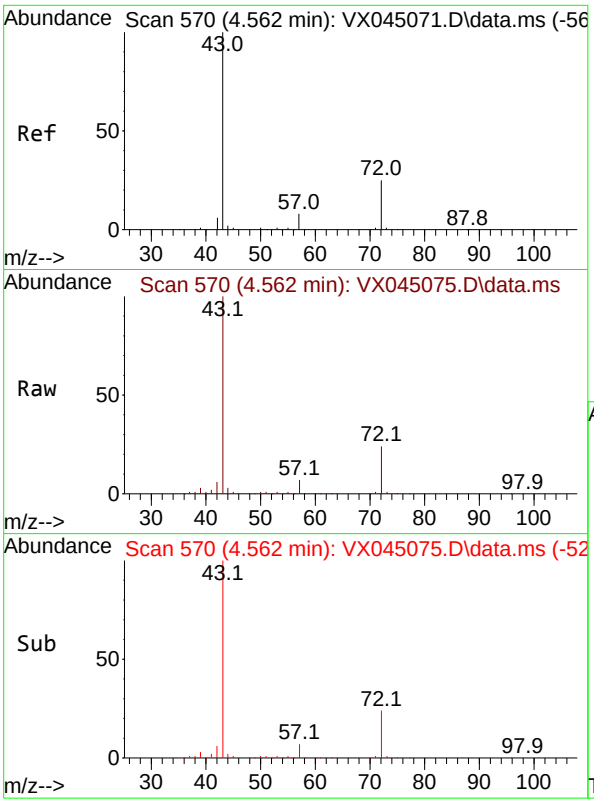


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 129666

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.1	2.1	6.5

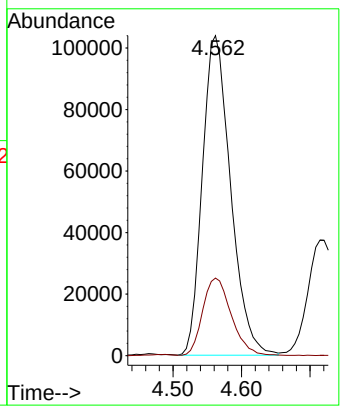




#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 29802

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
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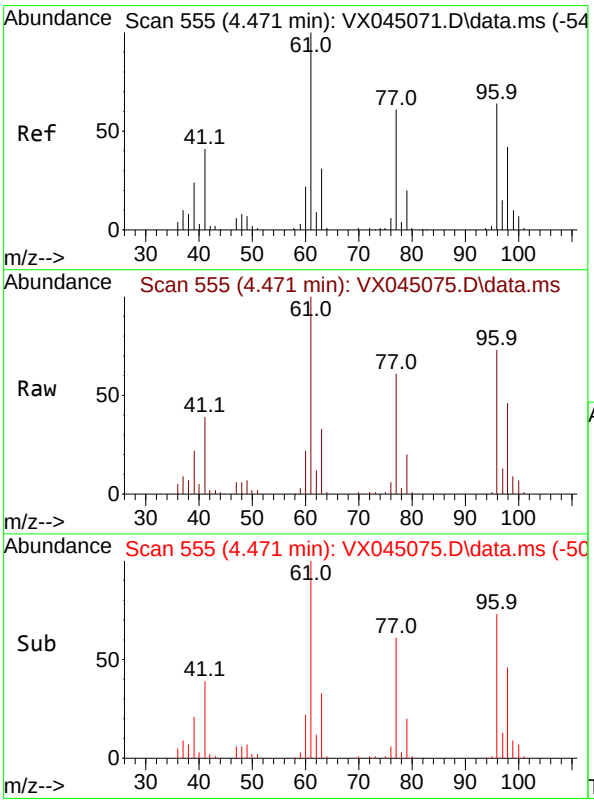
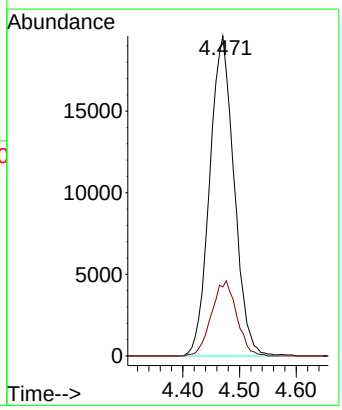
Supervised By :Mahesh Dadoda 02/28/2025

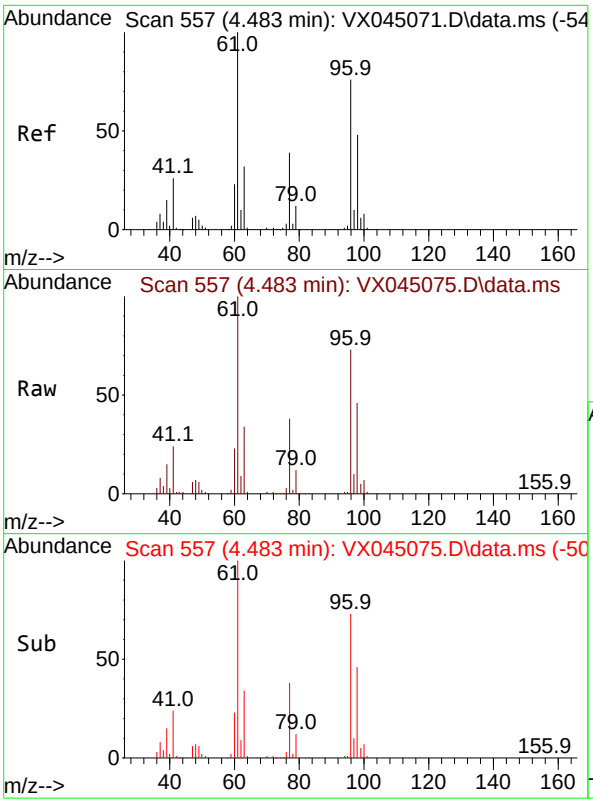


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 7857

Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.2
98	63.8	0.0	128.0

Instrument :
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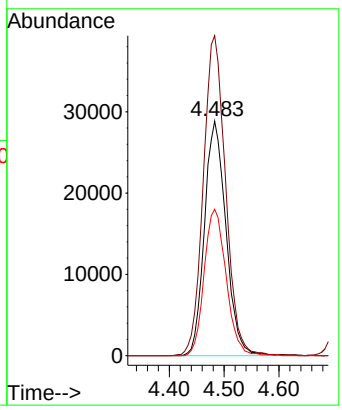
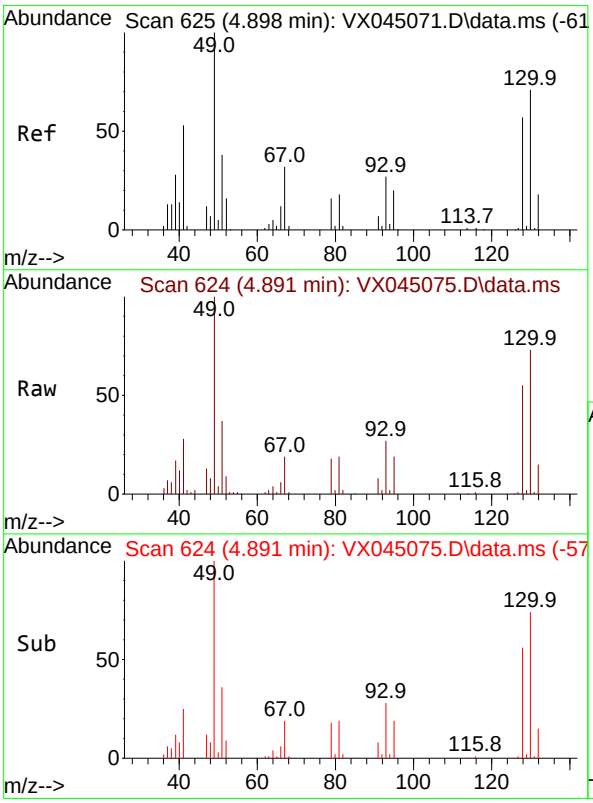
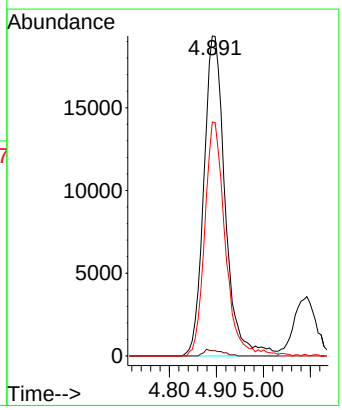


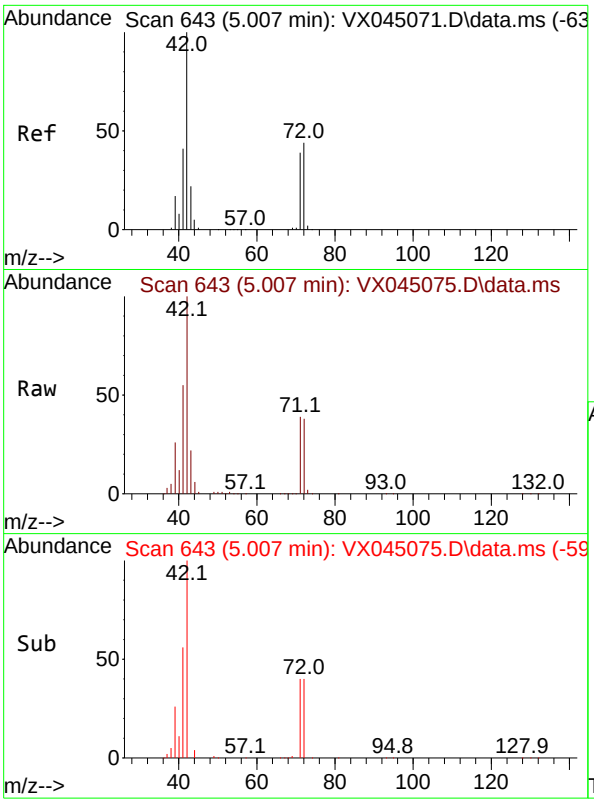


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 49 Resp: 60849

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.0	56.1	84.1

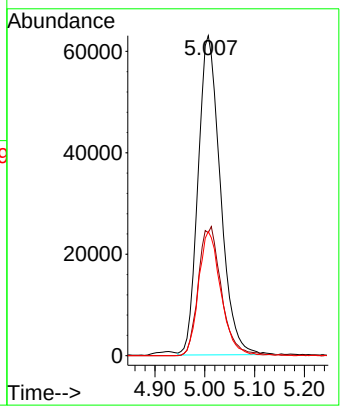




#29
Tetrahydrofuran
Concen: 258.277 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 42 Resp: 19576

Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0



Instrument :
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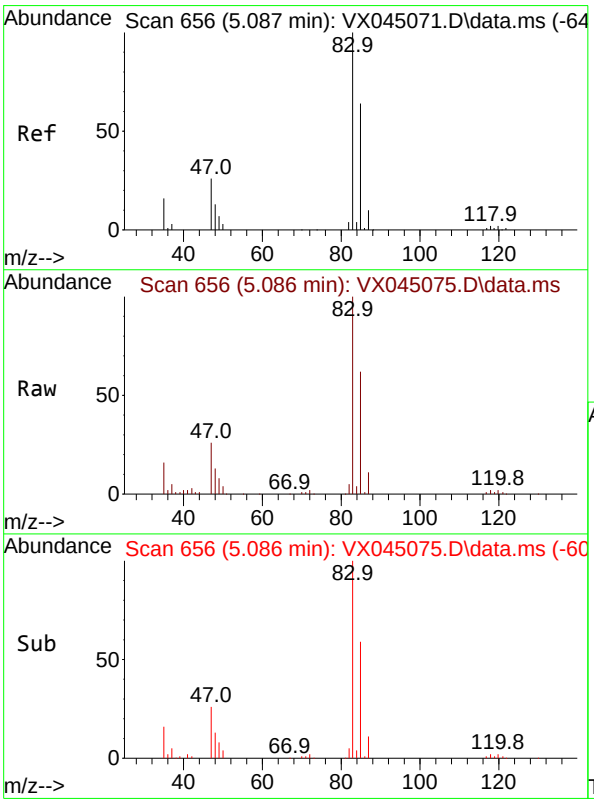
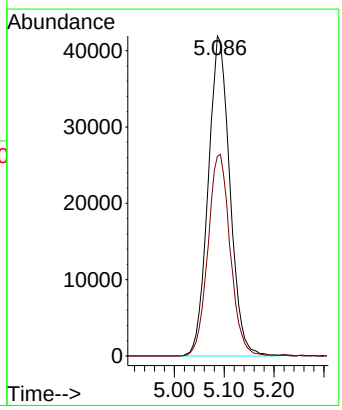
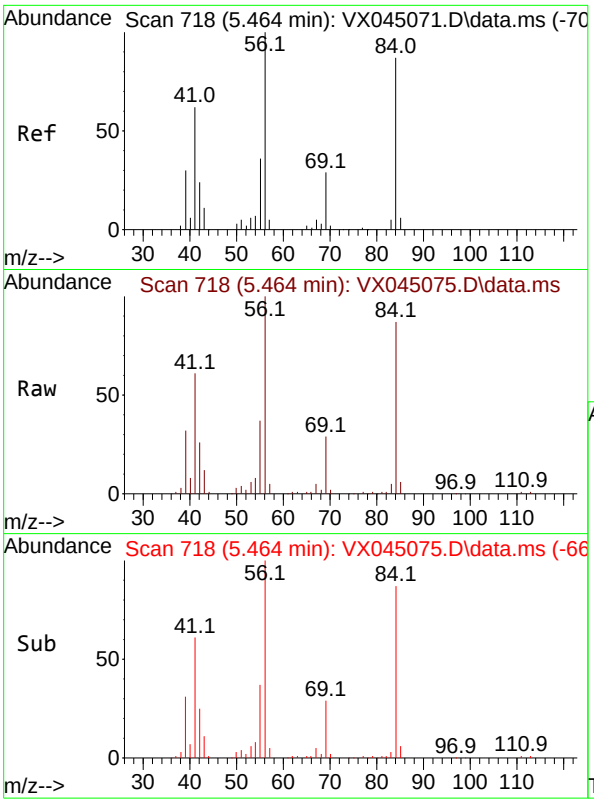


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2

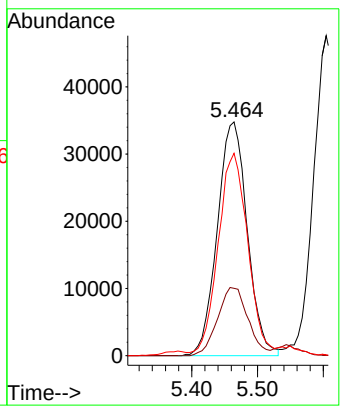




#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 11028

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	84.6	69.4	104.2



Instrument :
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ClientSampleId :
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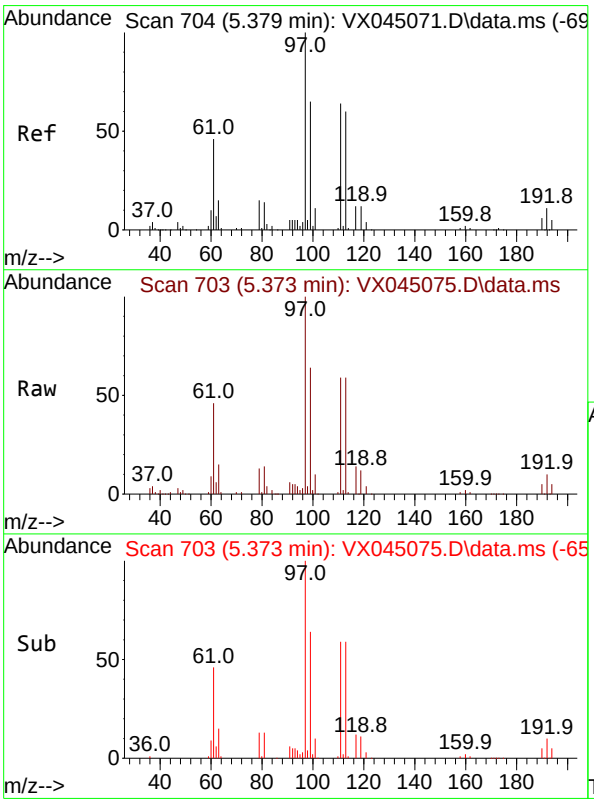
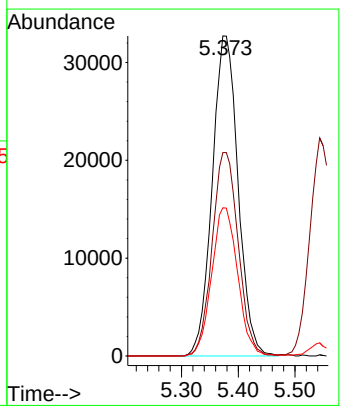
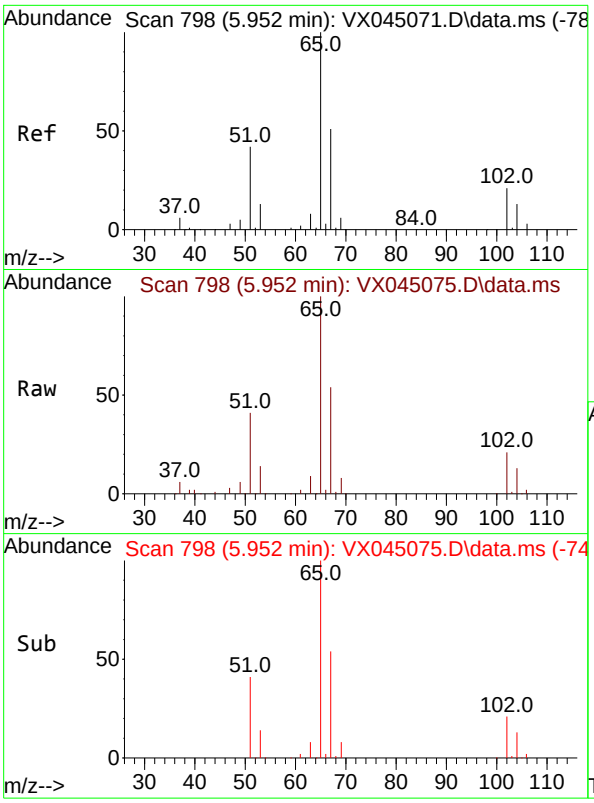


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 103546

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.7	38.4	57.6

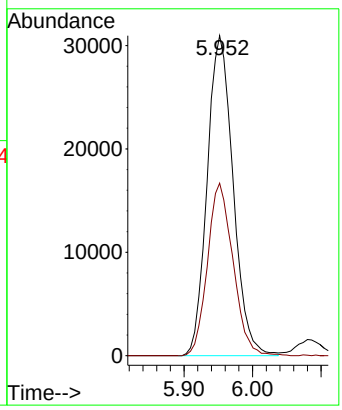




#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 65 Resp: 8128

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
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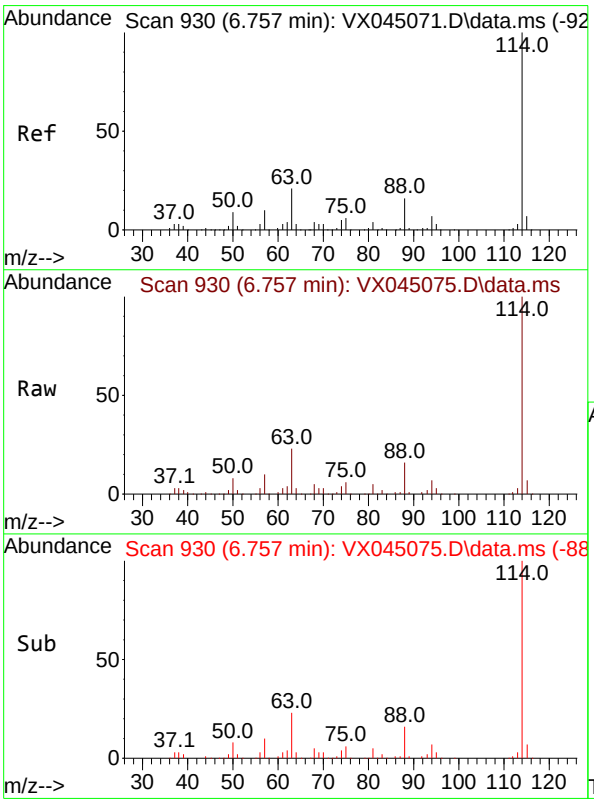
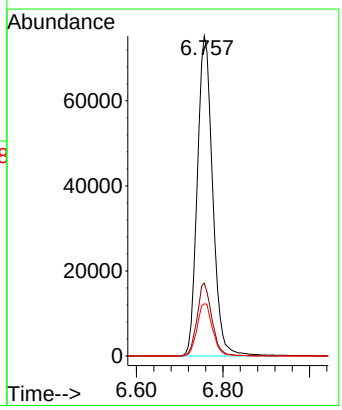
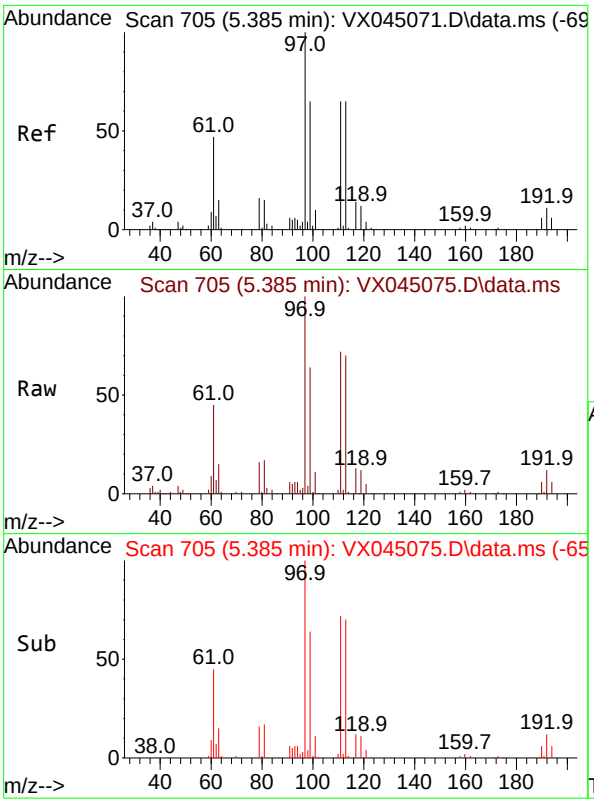


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:114 Resp: 184964

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	16.3	0.0	32.8

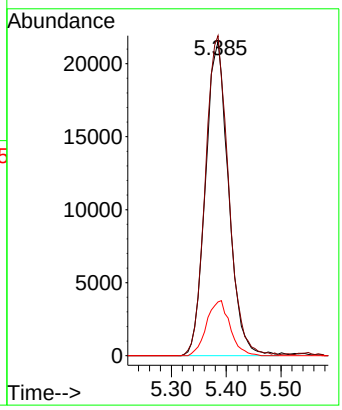




#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:113 Resp: 6288

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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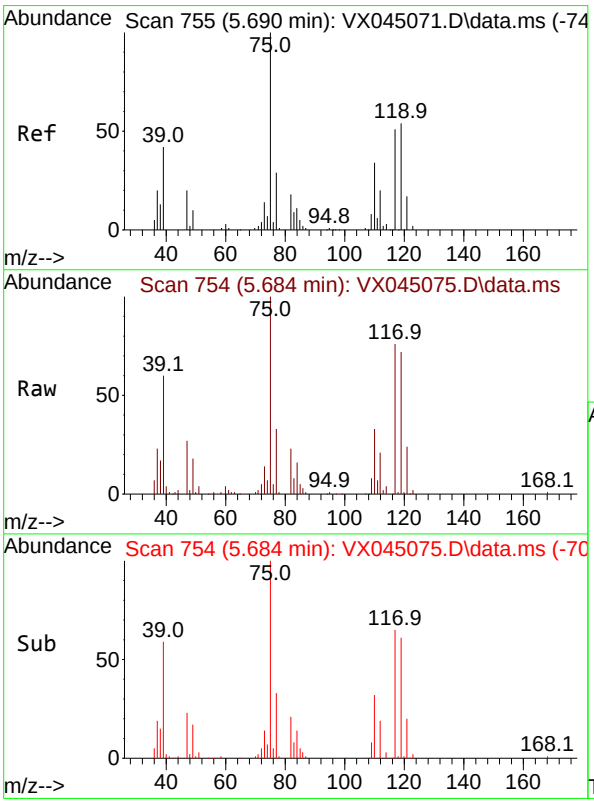
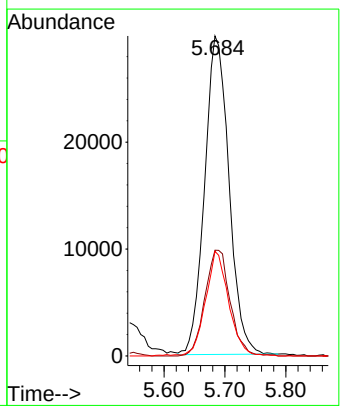
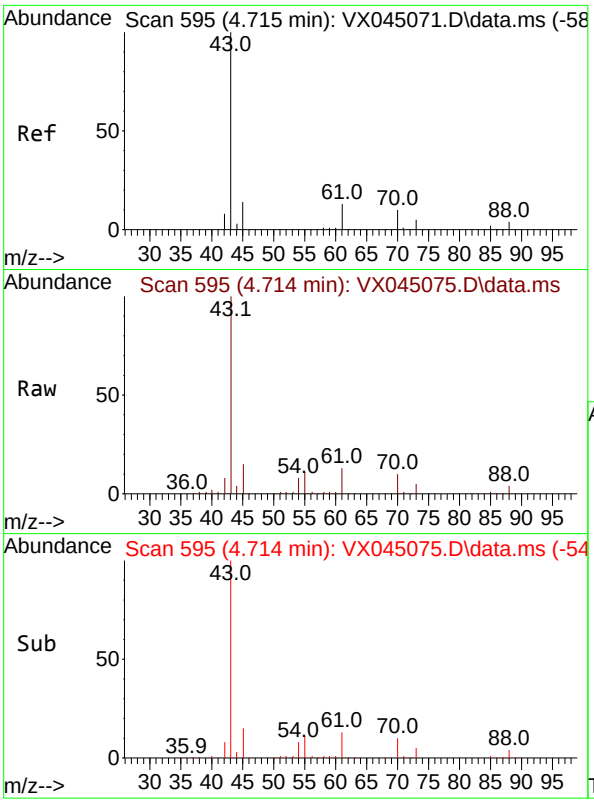


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 82722

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	31.2	24.5	36.7

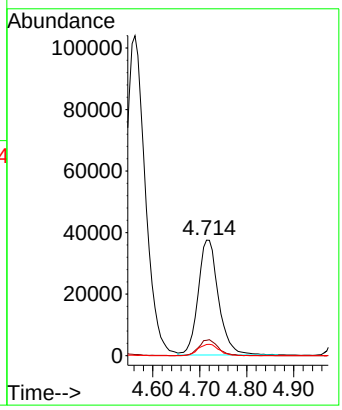




#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 11276

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.1	7.7	11.5



Instrument :
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ClientSampleId :
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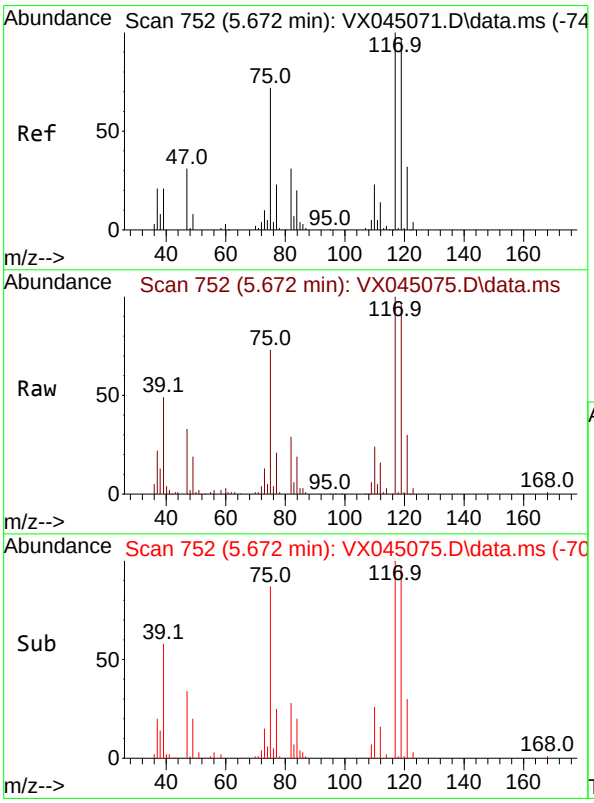
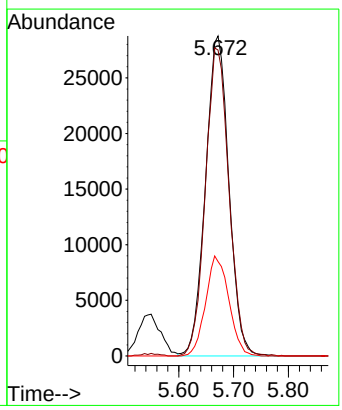
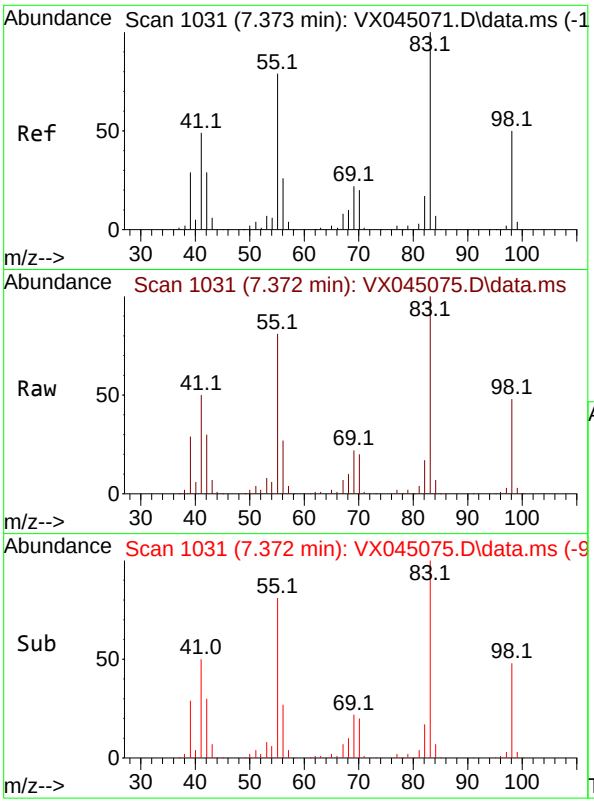


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 85110

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
121	29.5	25.5	38.3

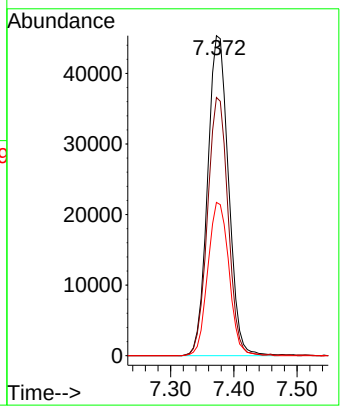




#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10399

Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.0	94.4
98	47.9	39.7	59.5



Instrument :
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ClientSampleId :
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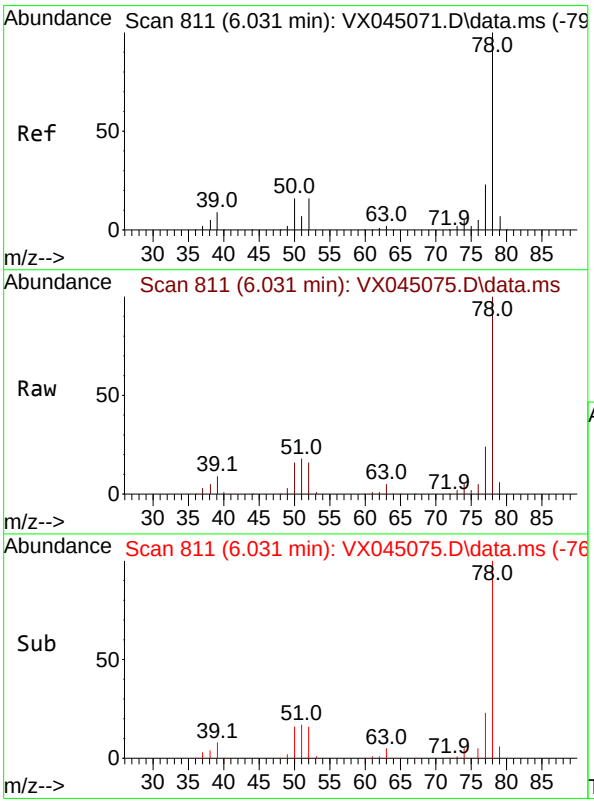
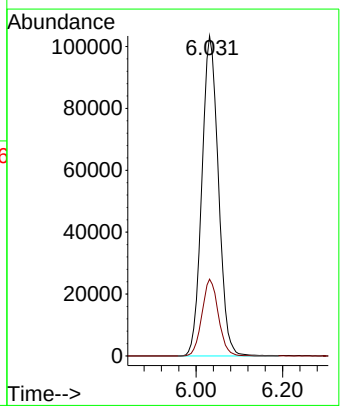
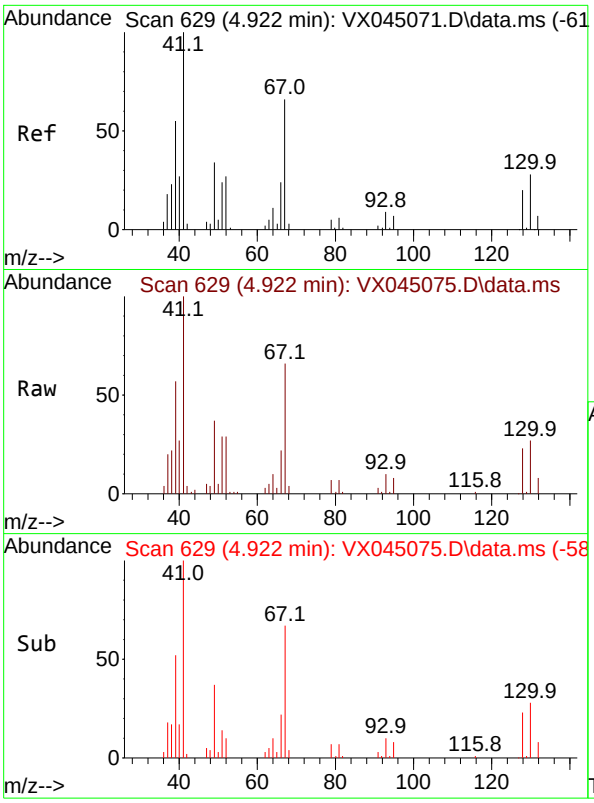


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

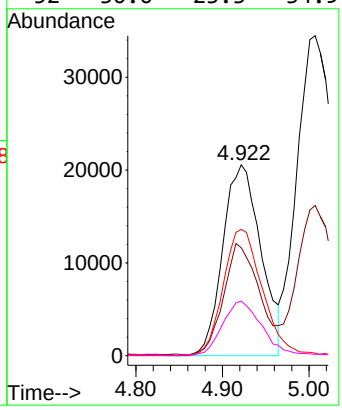




#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 6305

Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.6	67.0
67	68.1	53.9	80.9
52	30.0	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
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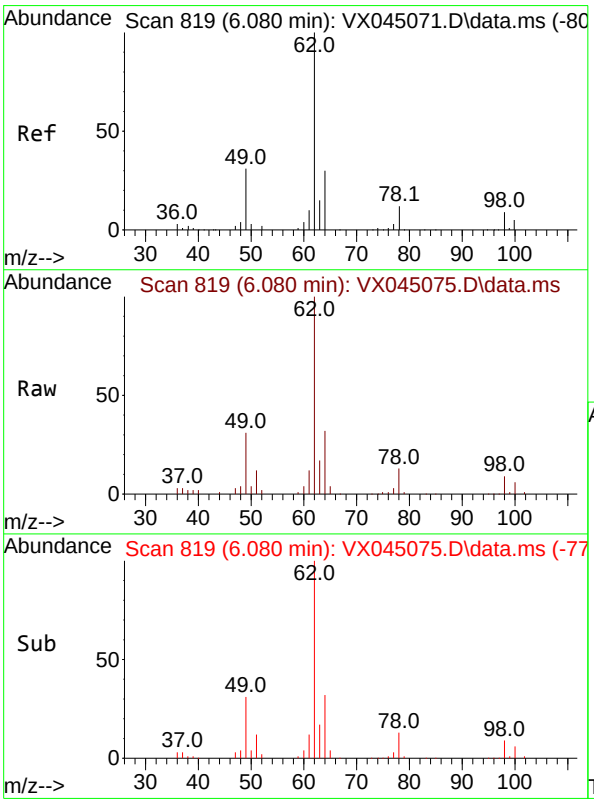
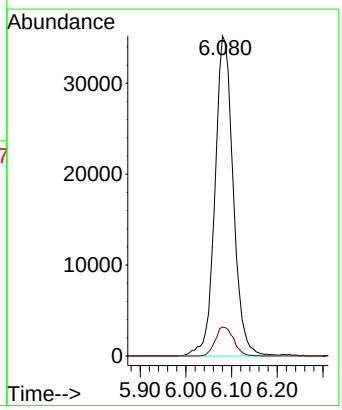
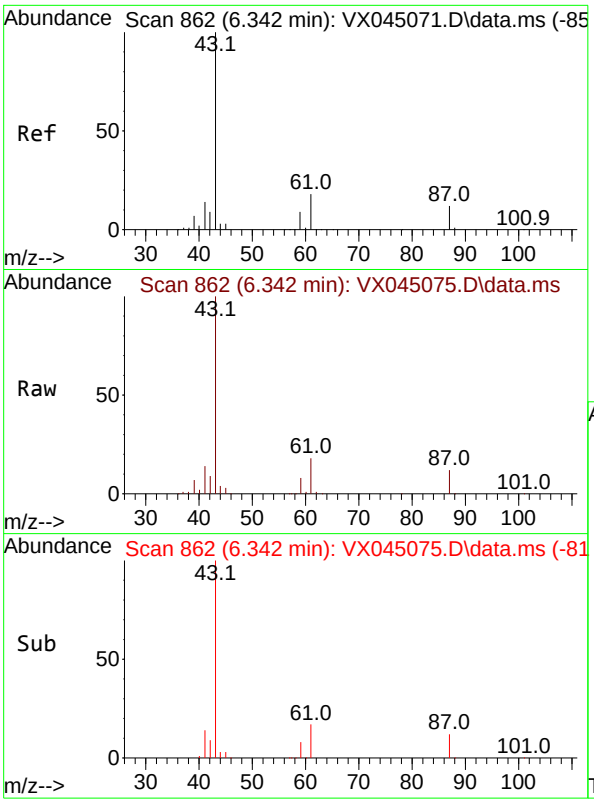


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 17598

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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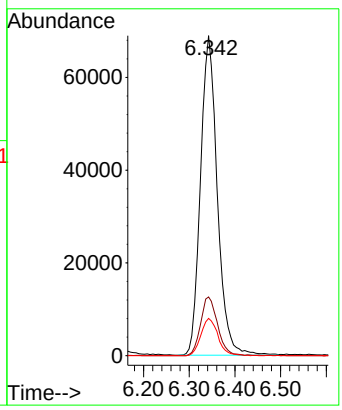
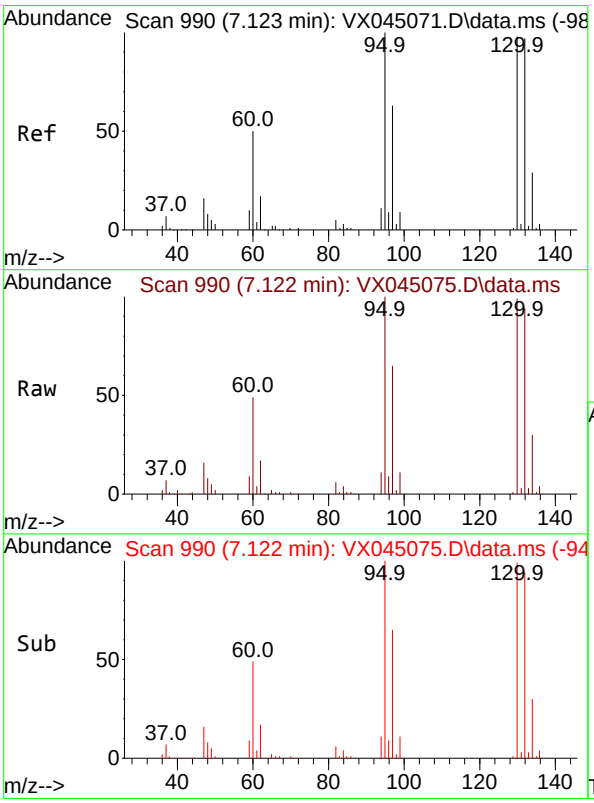
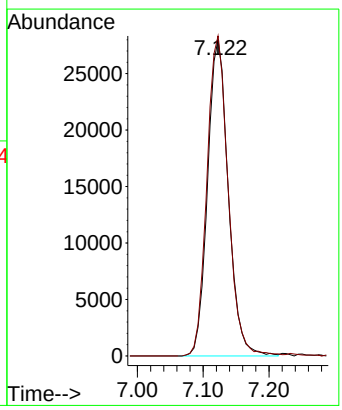


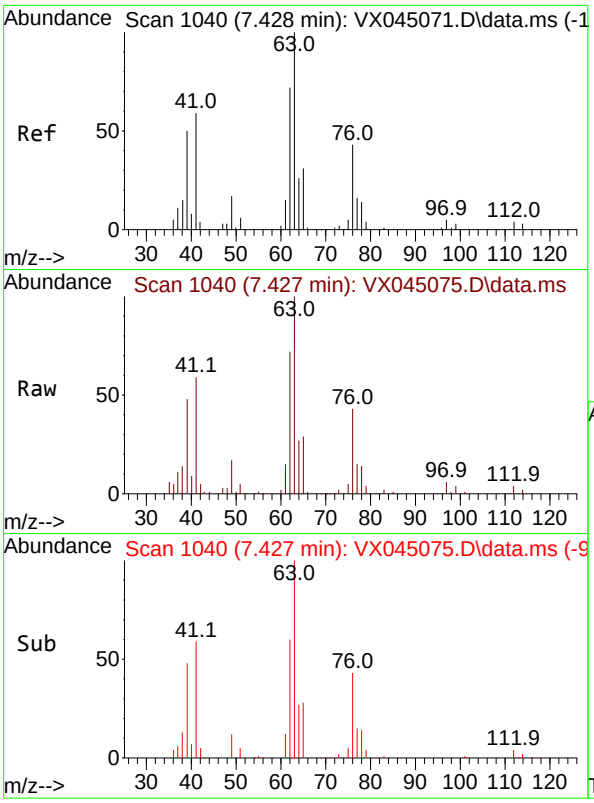


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0

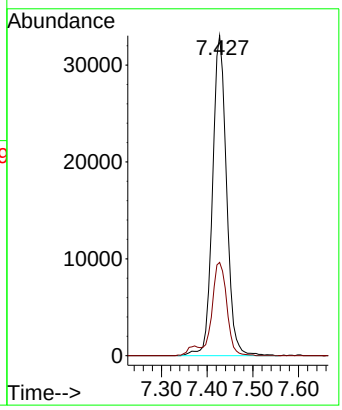




#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 7035

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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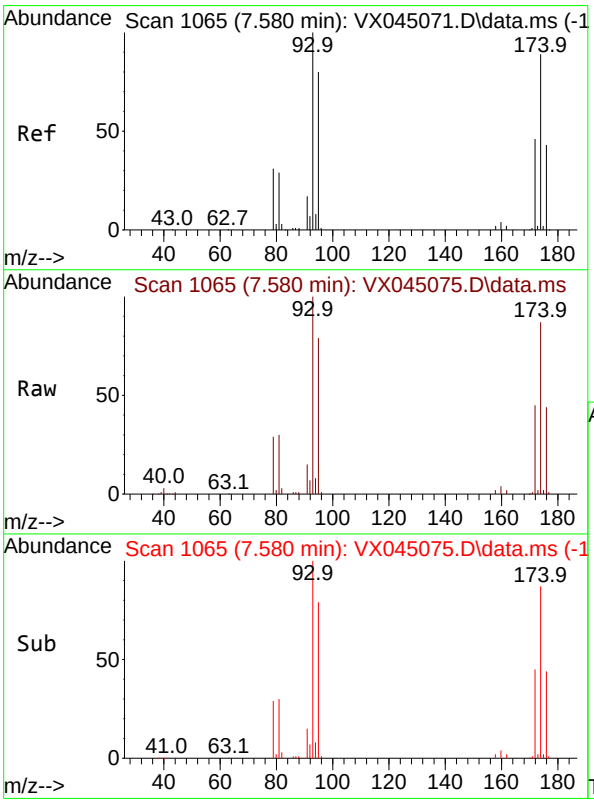
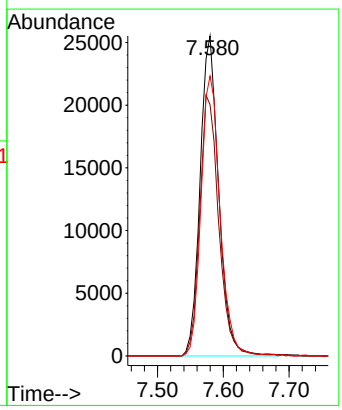
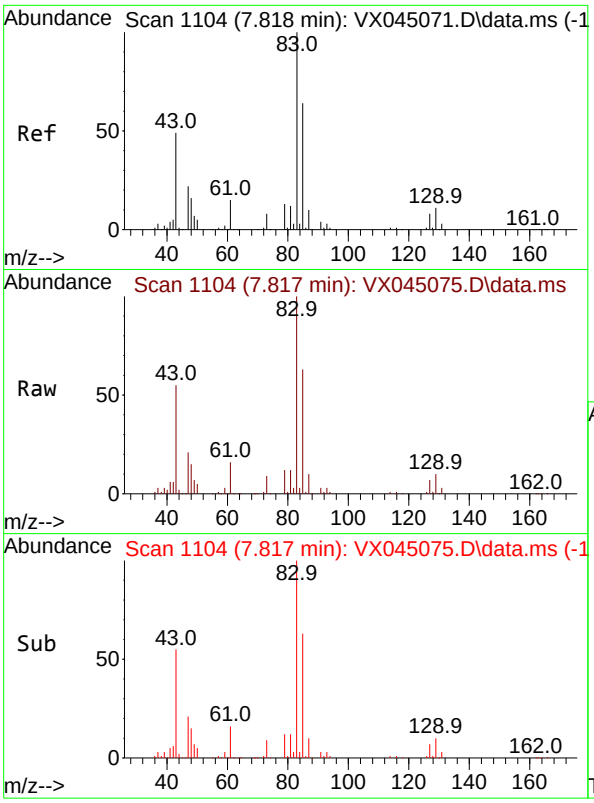


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 93 Resp: 50284

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.8	98.8
174	89.4	72.2	108.2

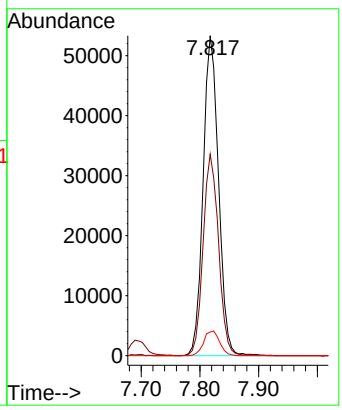




#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 9723

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.4	6.4	9.6



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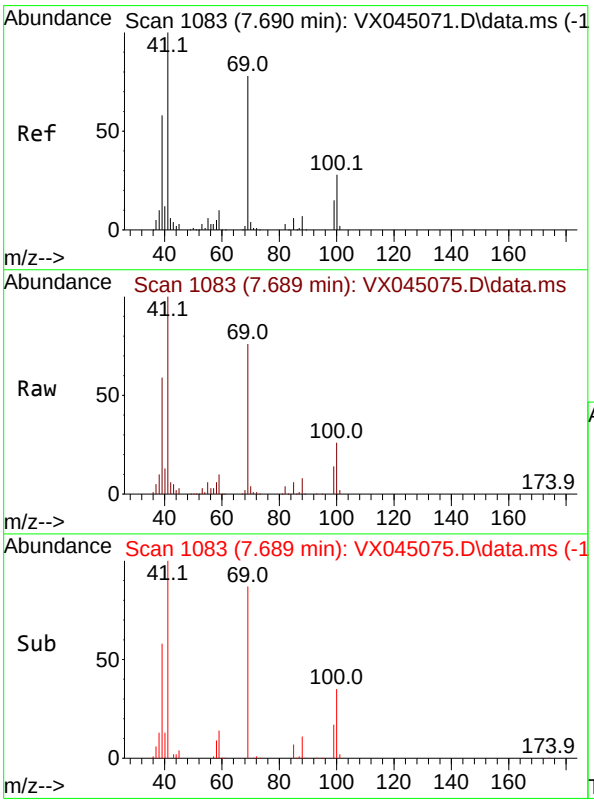
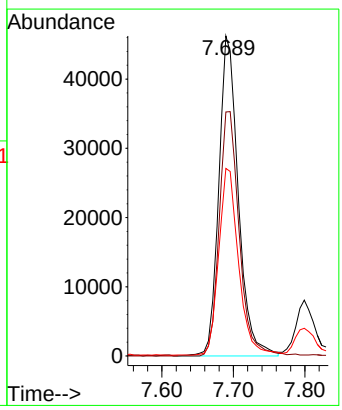
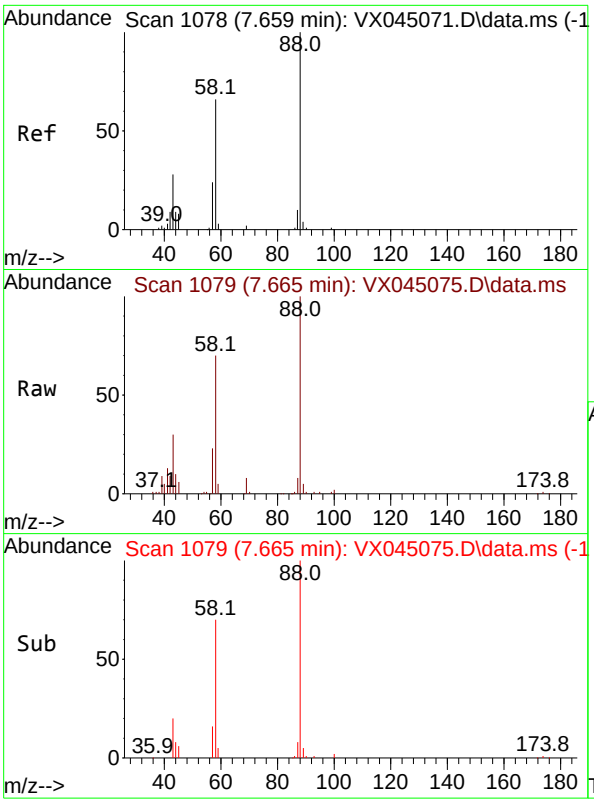


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 87582

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	59.4	47.5	71.3





#49
1,4-Dioxane
Concen: 1049.007 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 88 Resp: 3587

Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.7	43.1
58	70.8	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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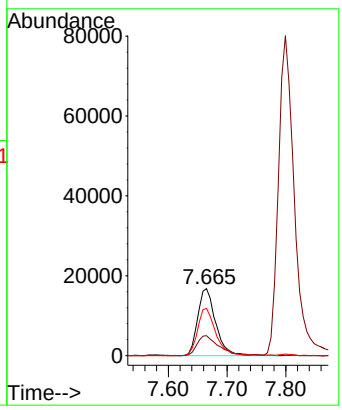
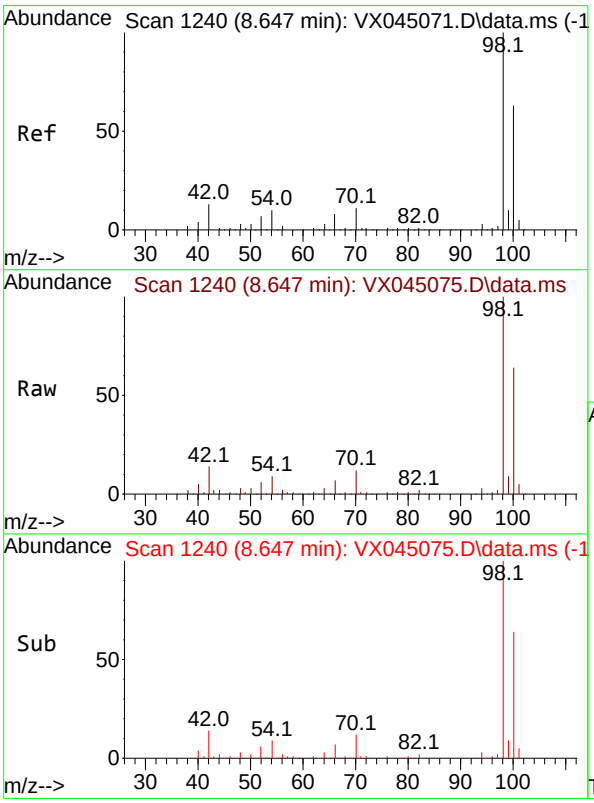
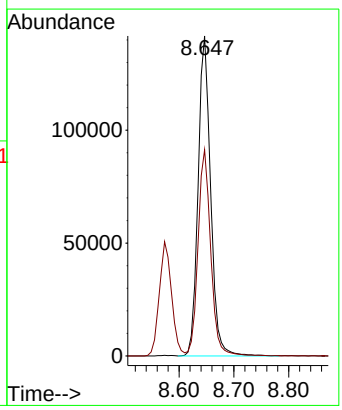


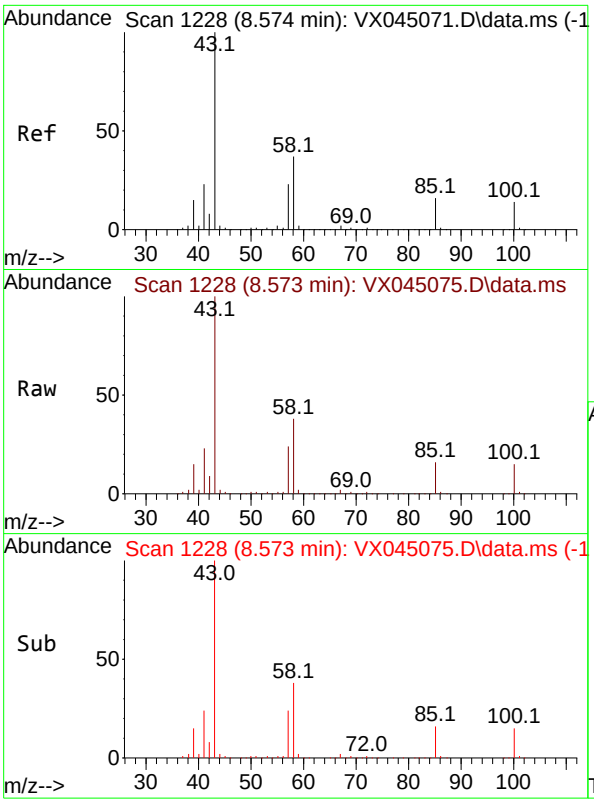


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 98 Resp: 225823

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0

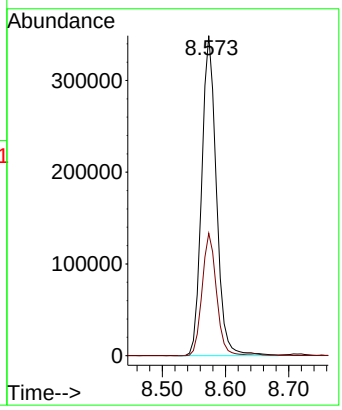




#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 56419

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8



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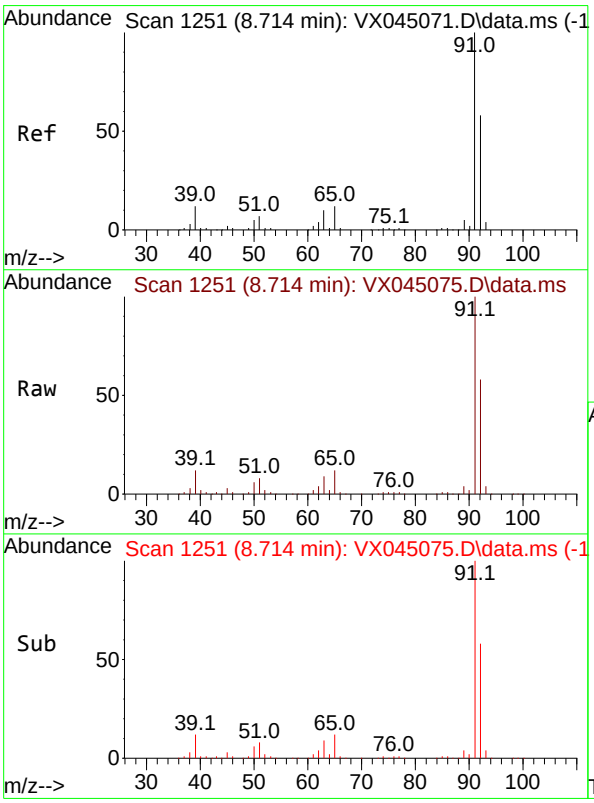
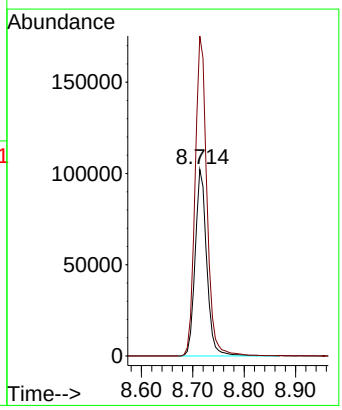
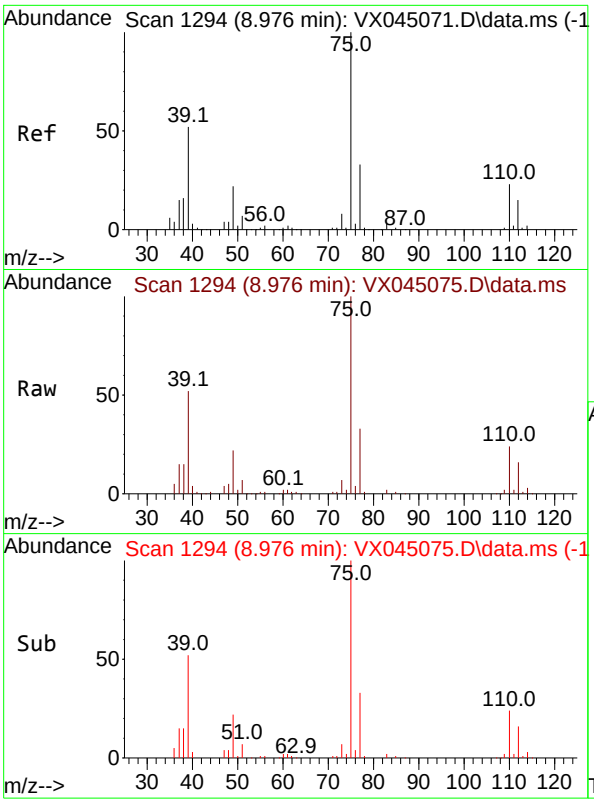


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3

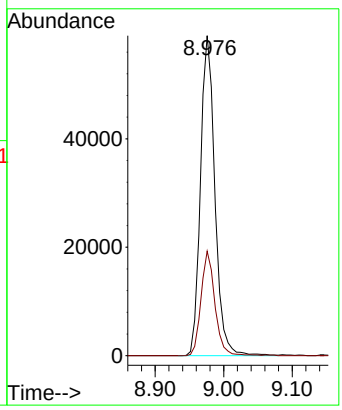




#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 8658

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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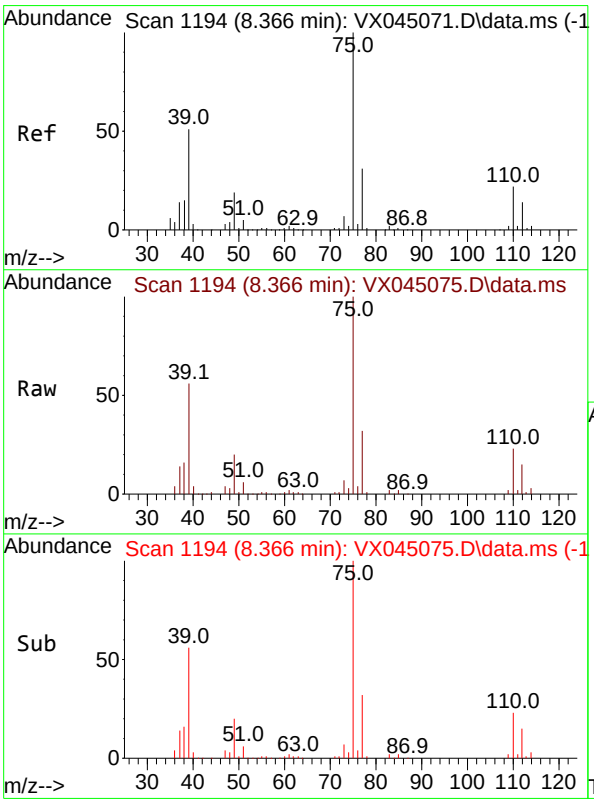
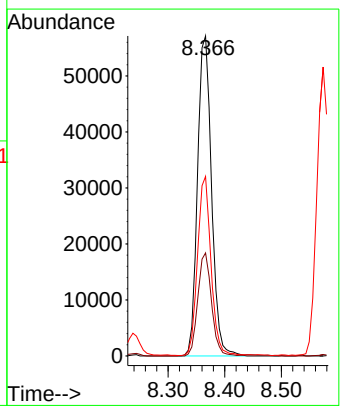
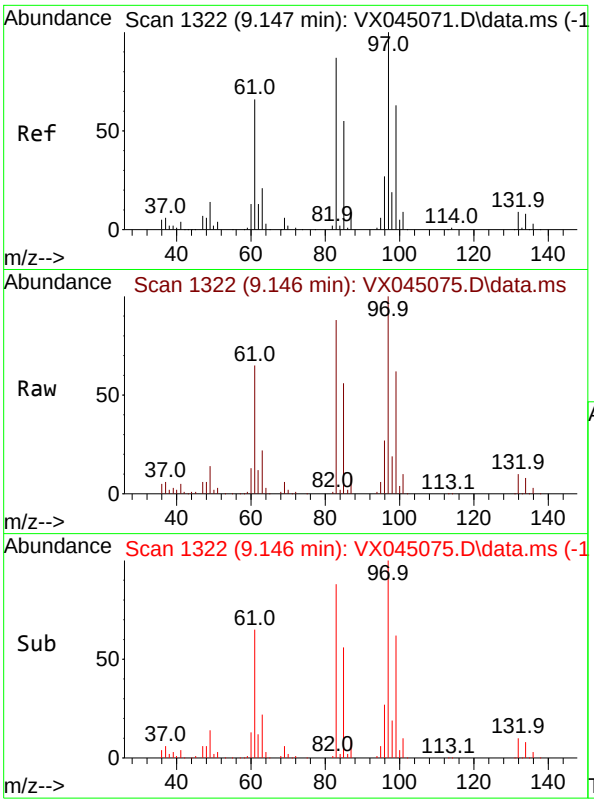


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 98146

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	56.0	40.7	61.1

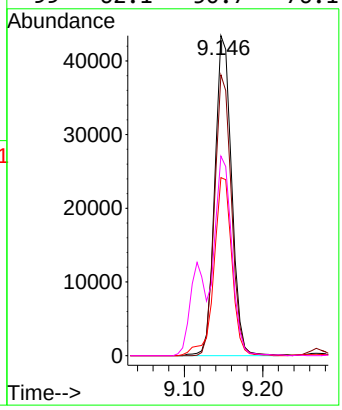




#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 6498

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	55.6	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
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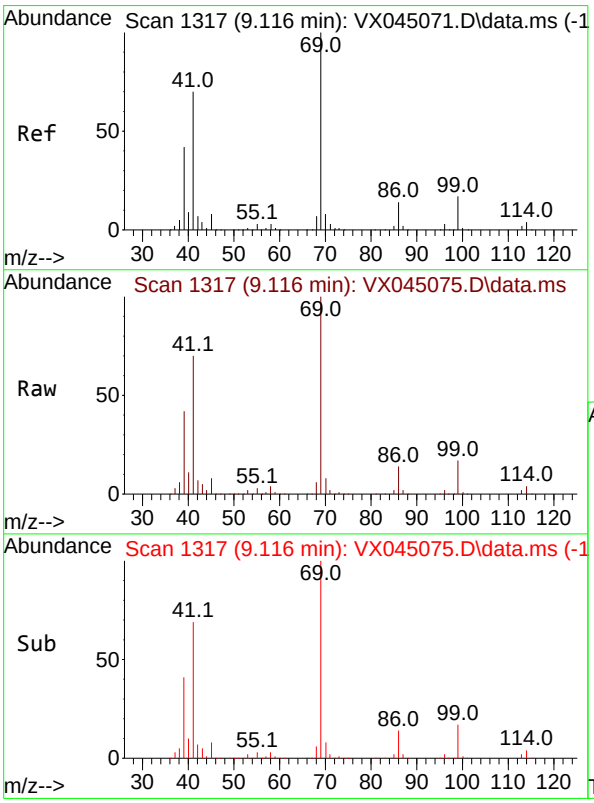
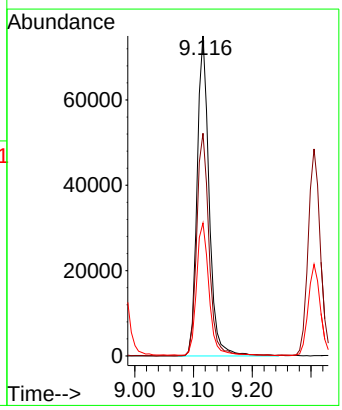
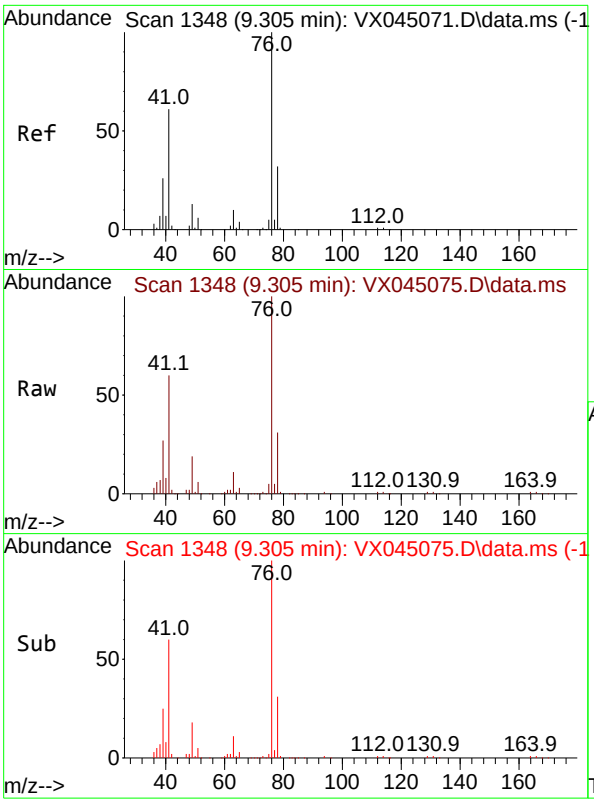


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 69 Resp: 106405

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	43.2	34.2	51.4

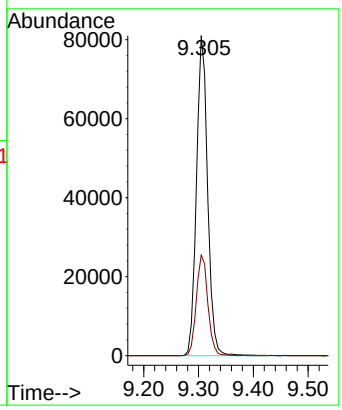




#57
1,3-Dichloropropane
Concen: 51.312 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 76 Resp: 11488

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
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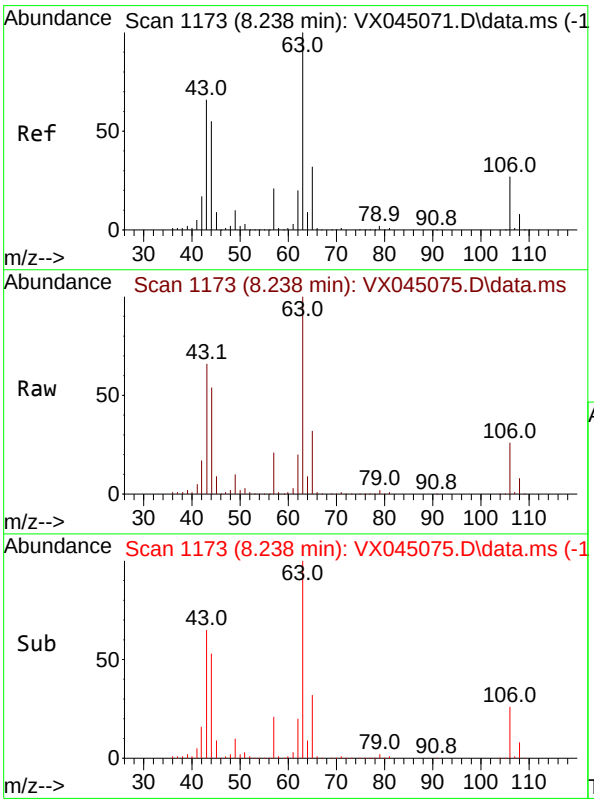
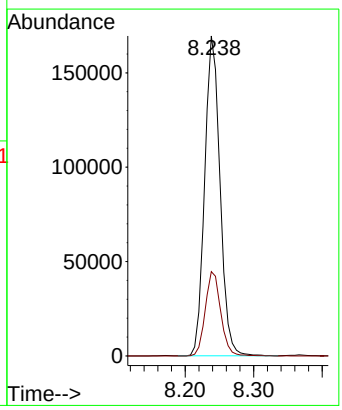
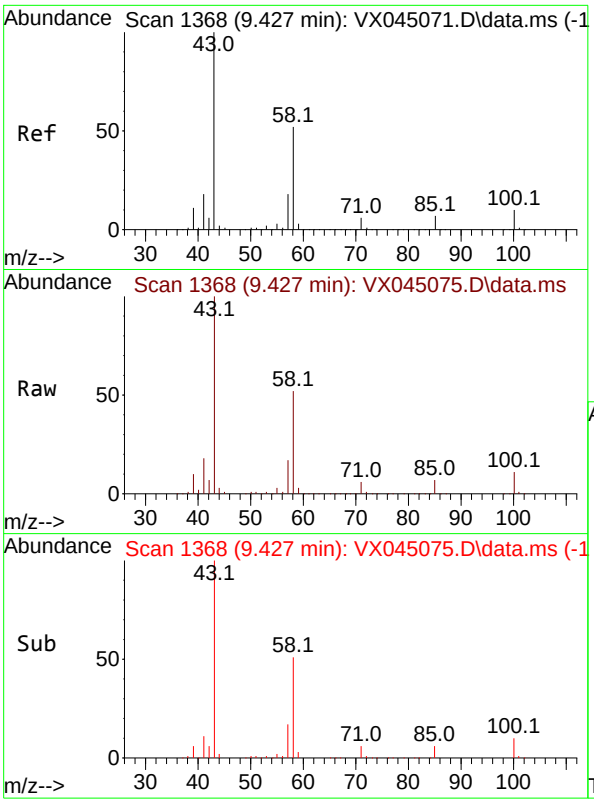


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 264335

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3

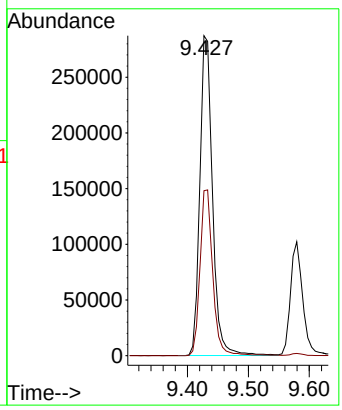




#59
2-Hexanone
Concen: 265.049 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 41673

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6



Instrument :
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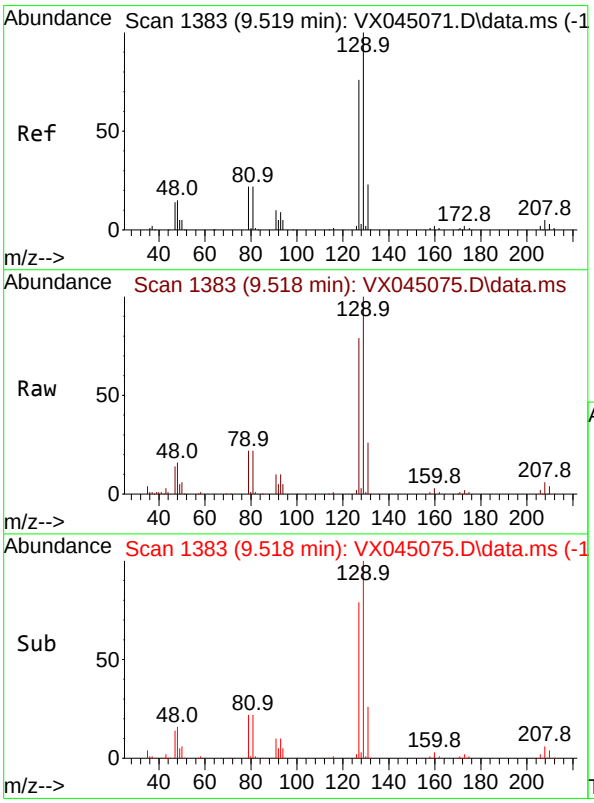
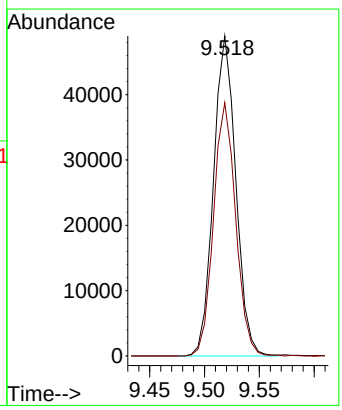
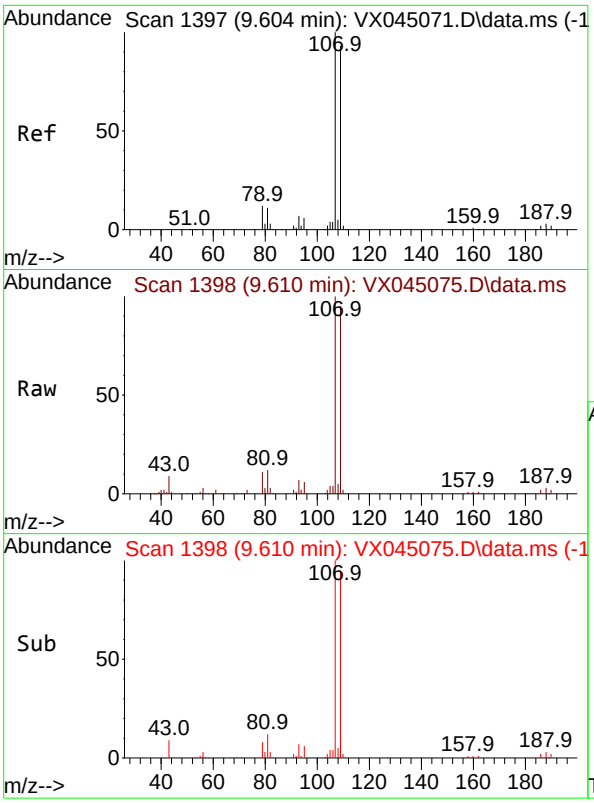


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:129 Resp: 69492

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5

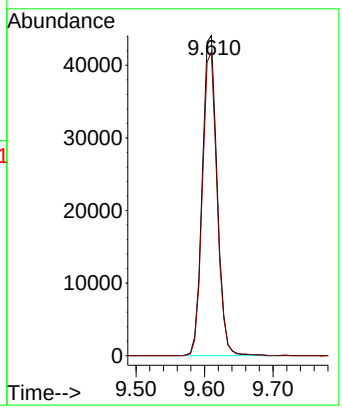




#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:107 Resp: 6650

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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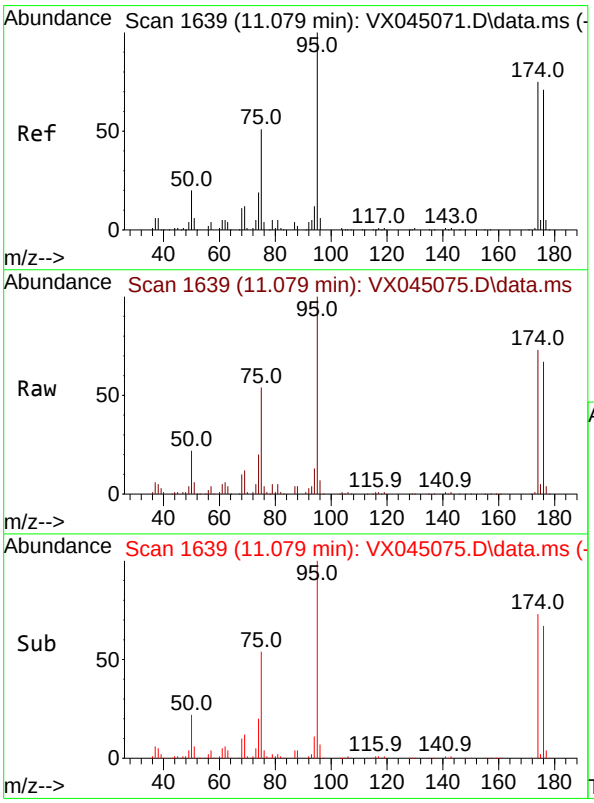
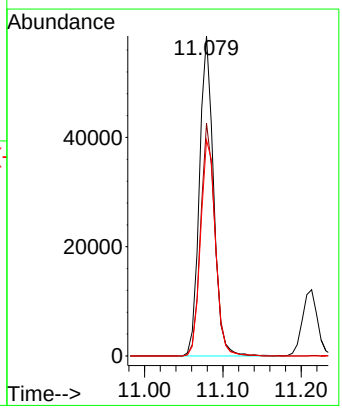
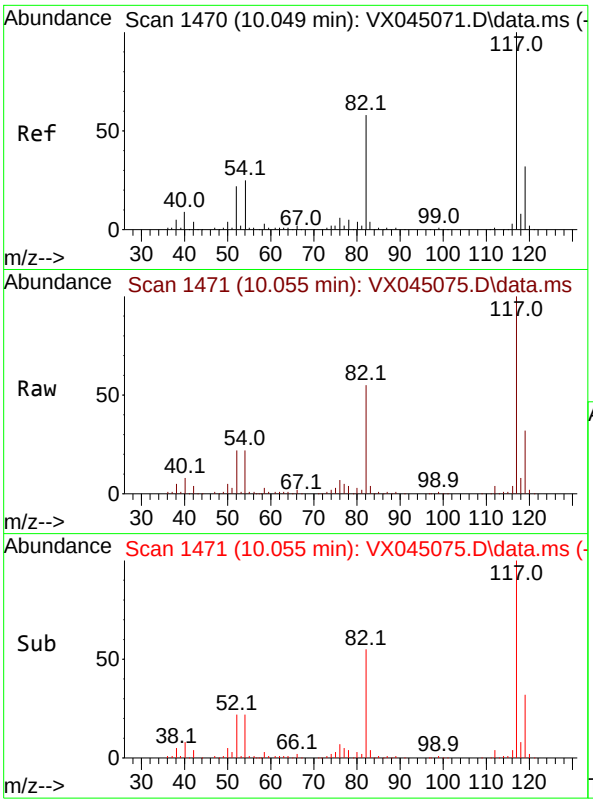


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 95 Resp: 73162

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.2
176	71.3	0.0	141.4

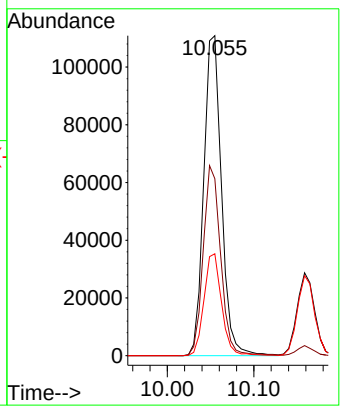




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 15779

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.3	69.5
119	31.9	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
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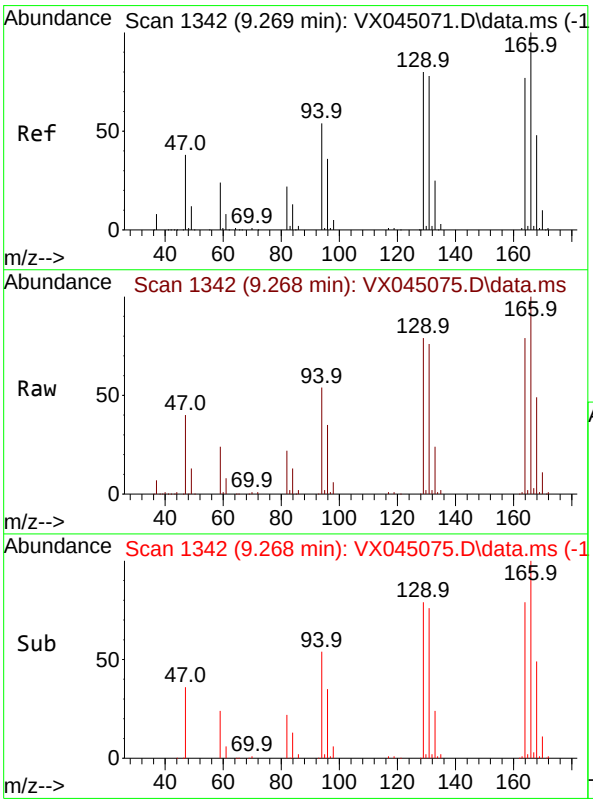
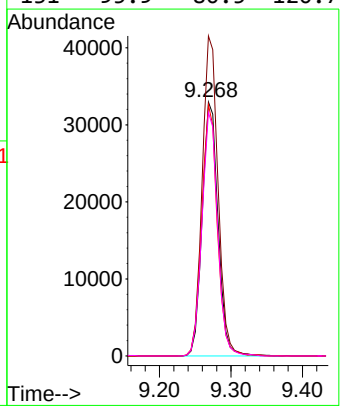
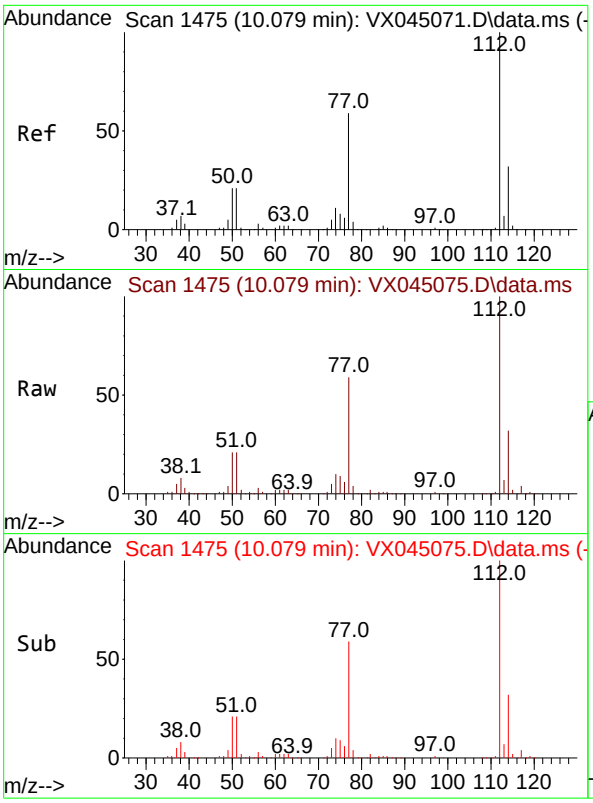


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:164 Resp: 50659

Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.6	155.4
129	99.0	82.7	124.1
131	95.9	80.5	120.7

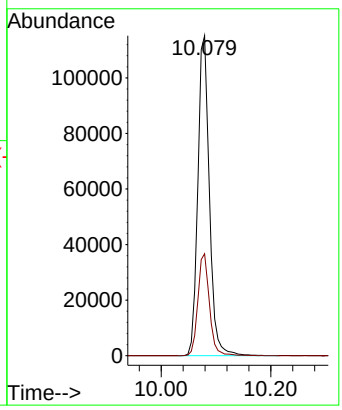




#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:112 Resp: 16888

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



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ClientSampleId :
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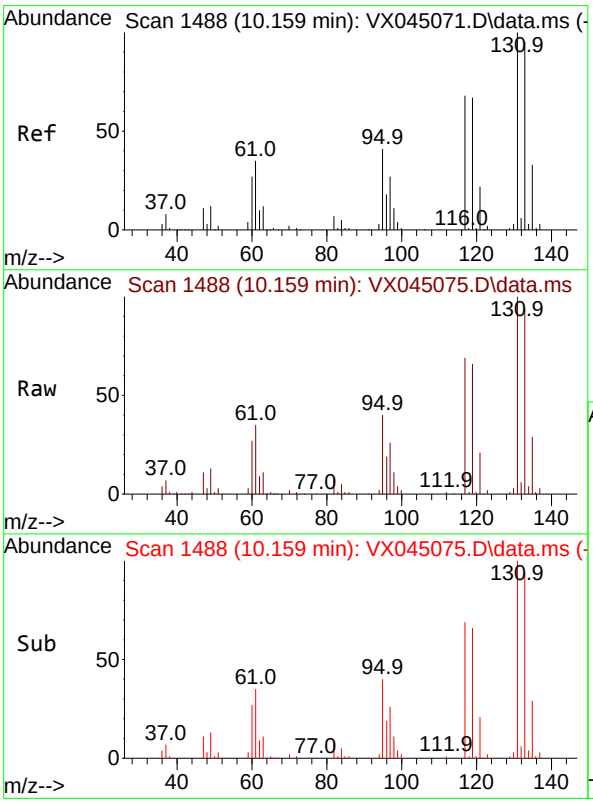
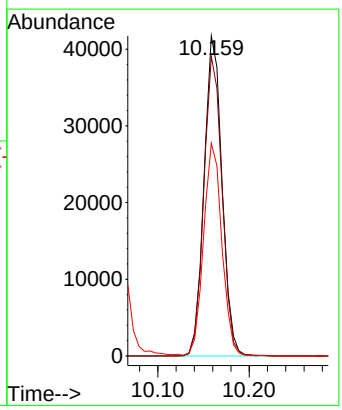
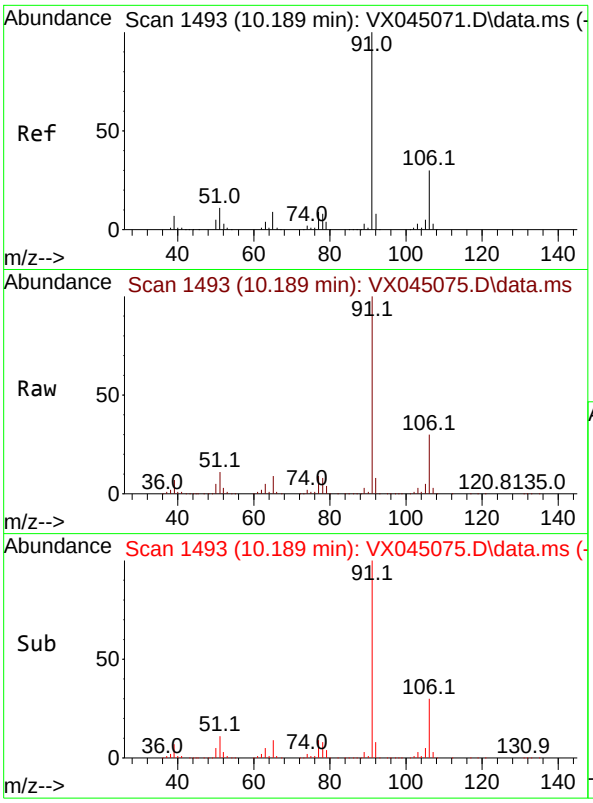


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:131 Resp: 56822

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	67.6	33.9	101.7

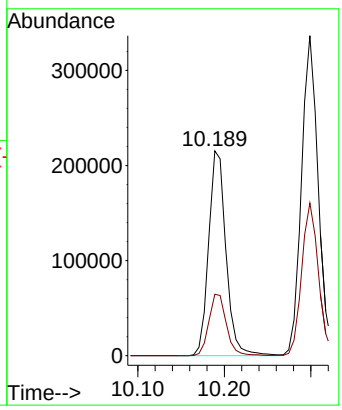




#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 30032

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9



Instrument :
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ClientSampleId :
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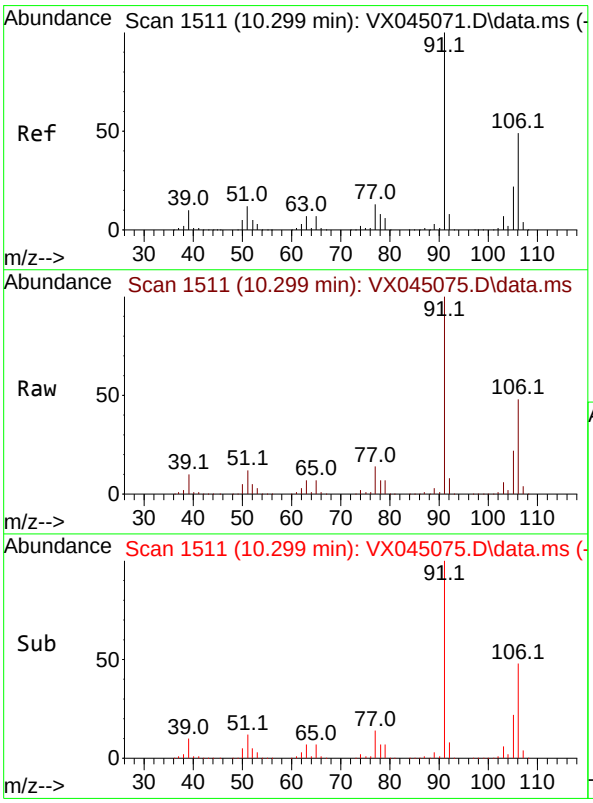
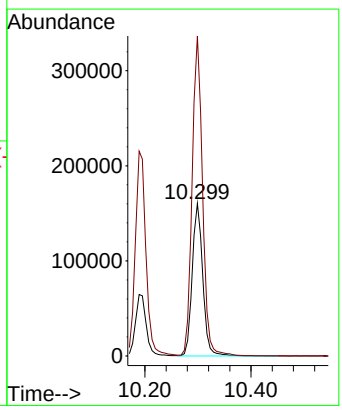
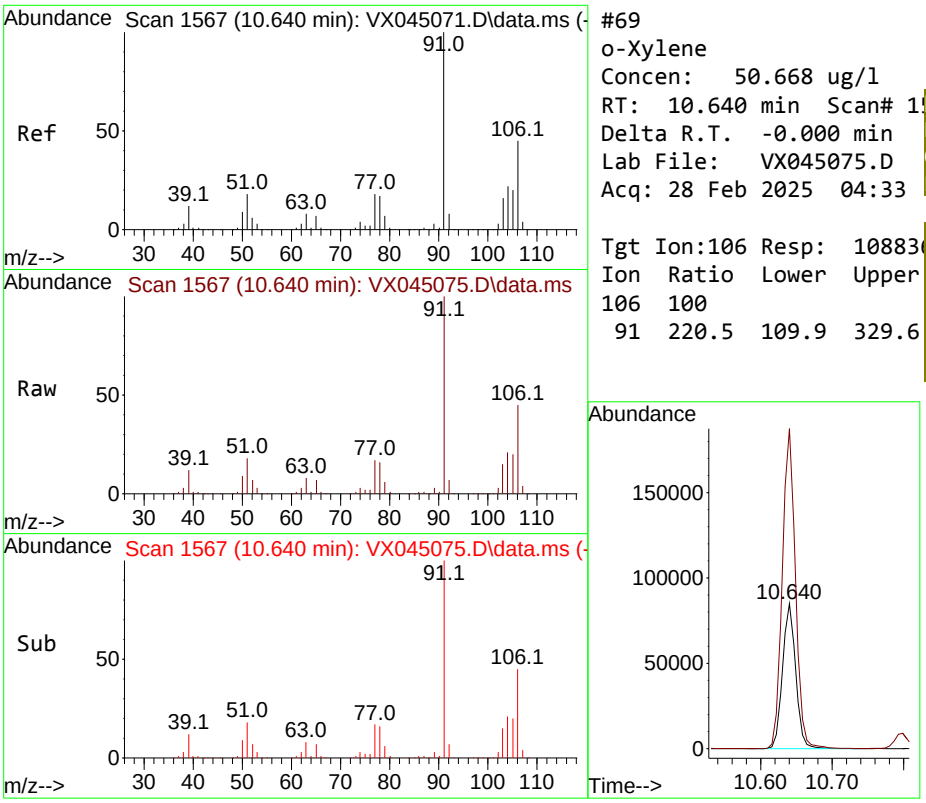


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335

Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.4	248.0





#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 10883

Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6

Instrument :
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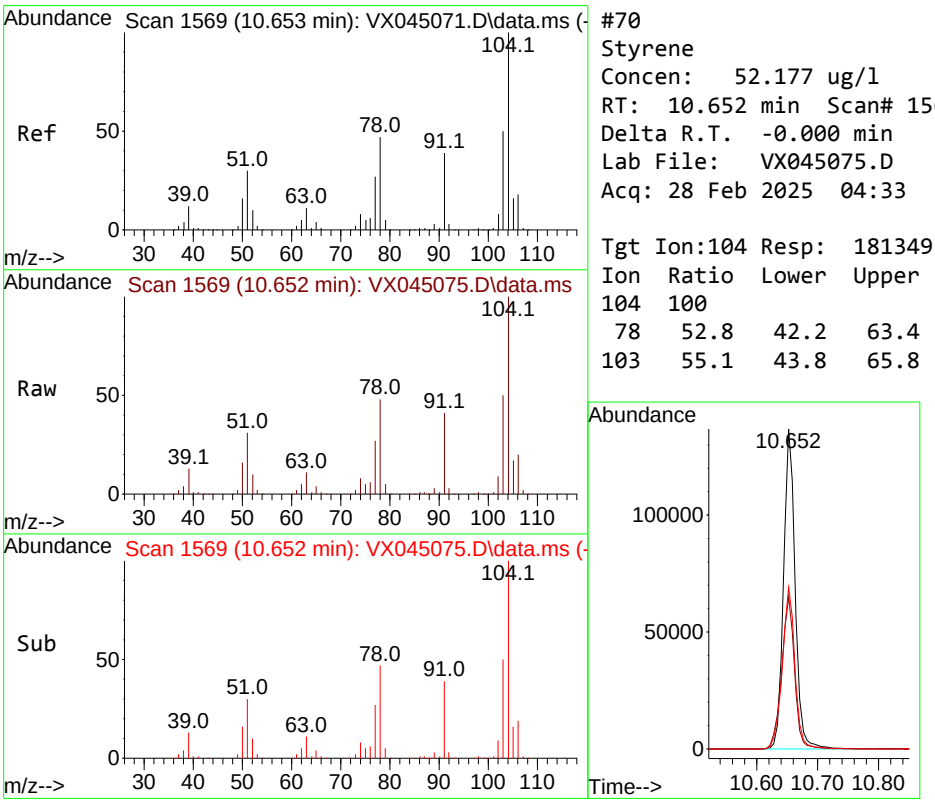
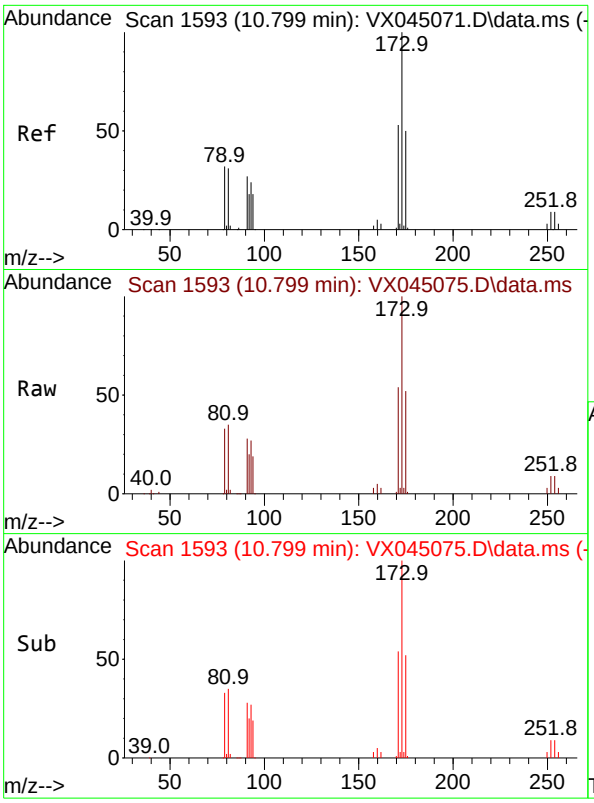


#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:104 Resp: 181349

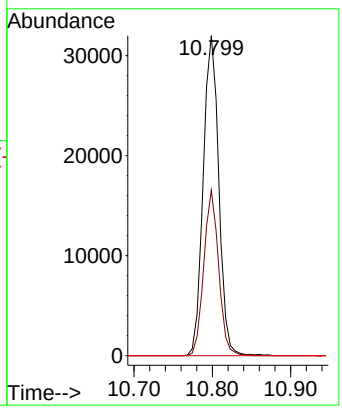
Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	55.1	43.8	65.8



#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:173 Resp: 4413

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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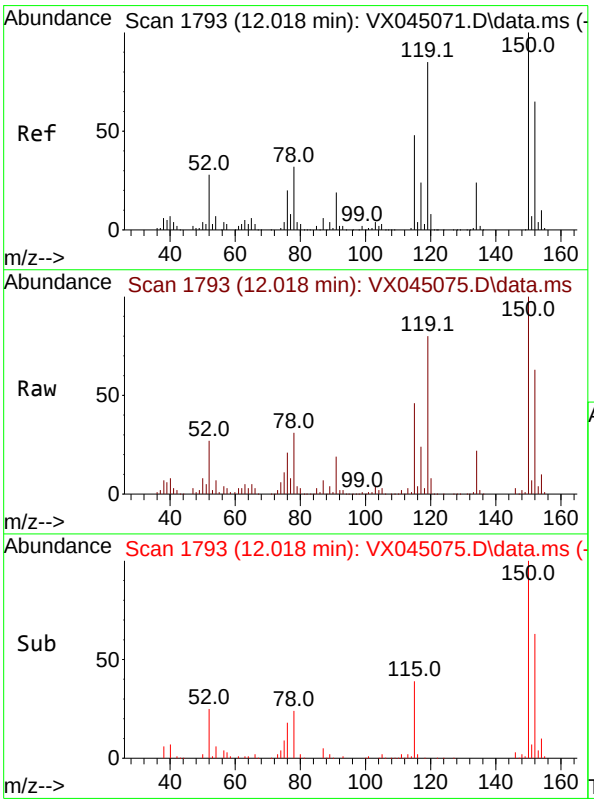
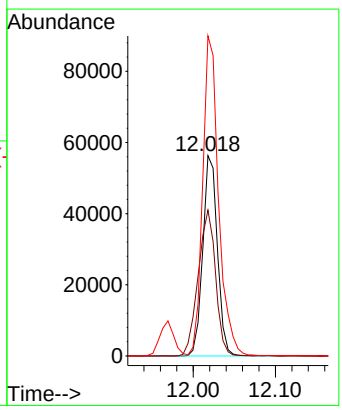
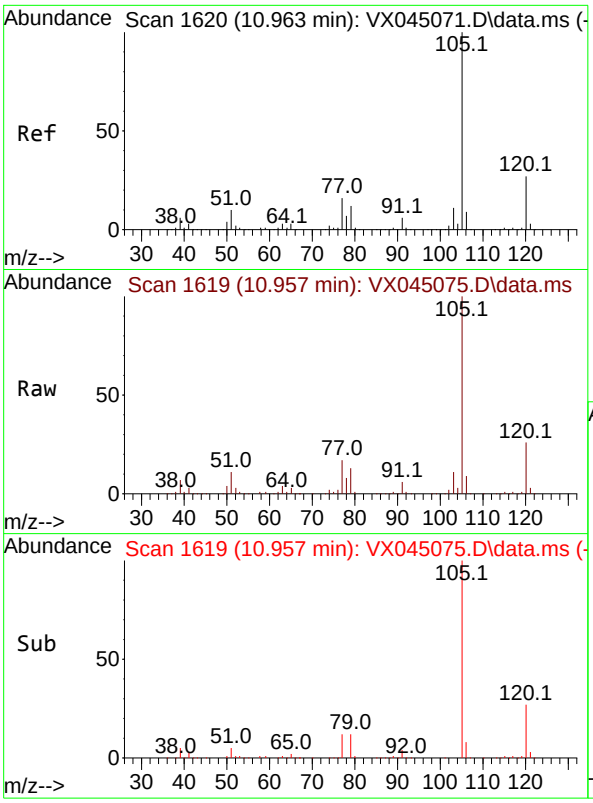


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:152 Resp: 69357

Ion	Ratio	Lower	Upper
152	100		
115	86.9	44.2	132.6
150	174.3	0.0	349.0

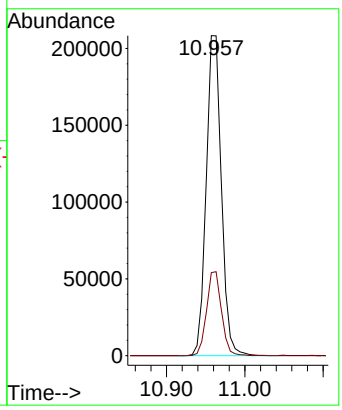




#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 27927

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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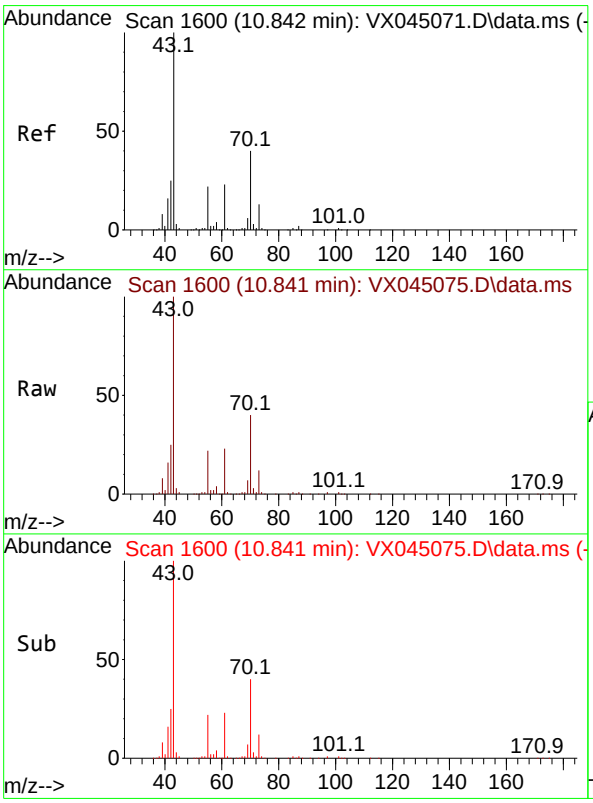
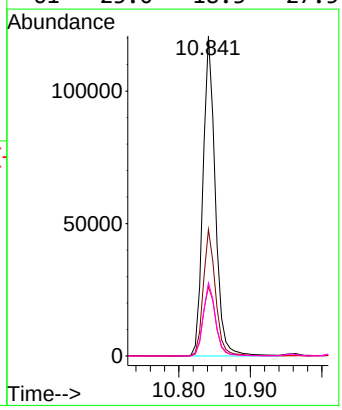
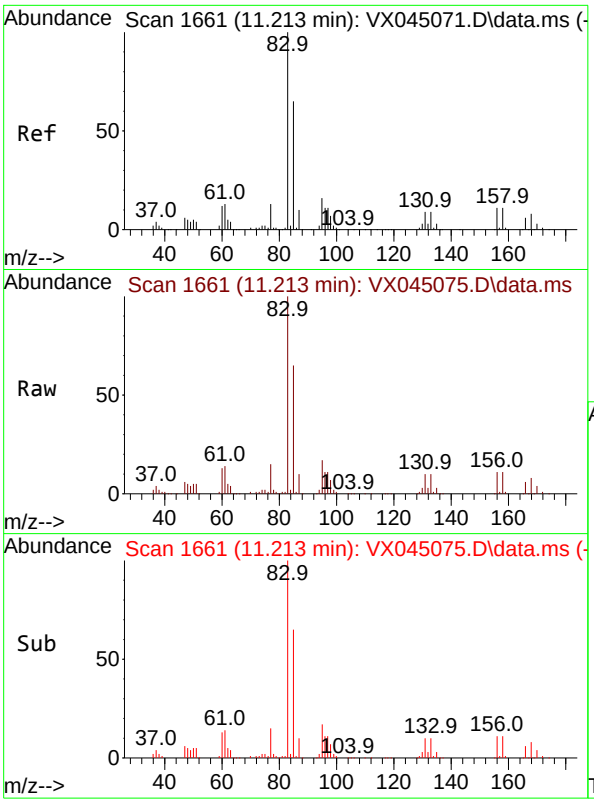


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 144412

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5

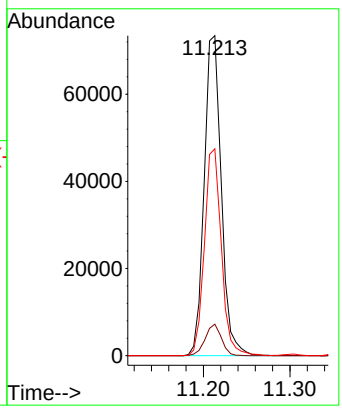




#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10080

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.0	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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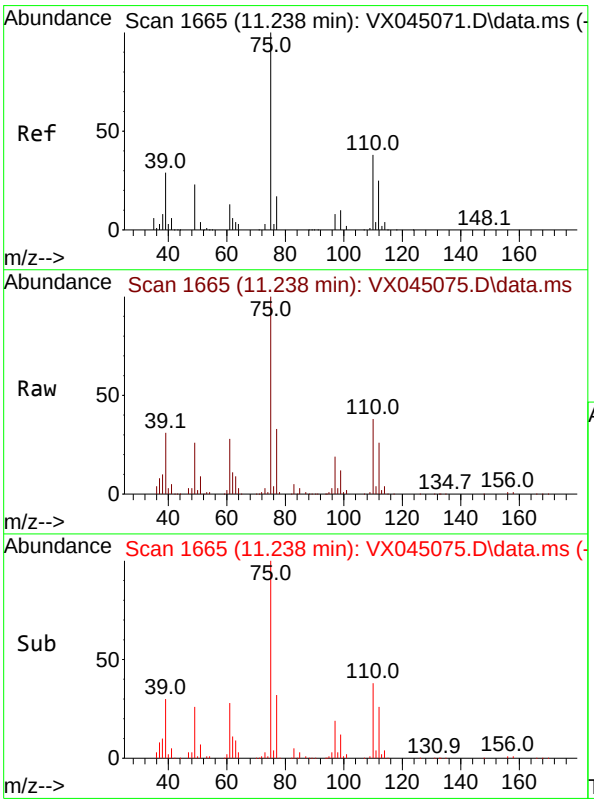
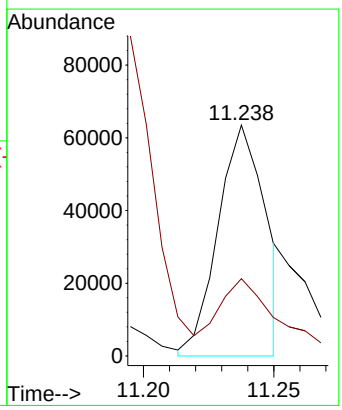
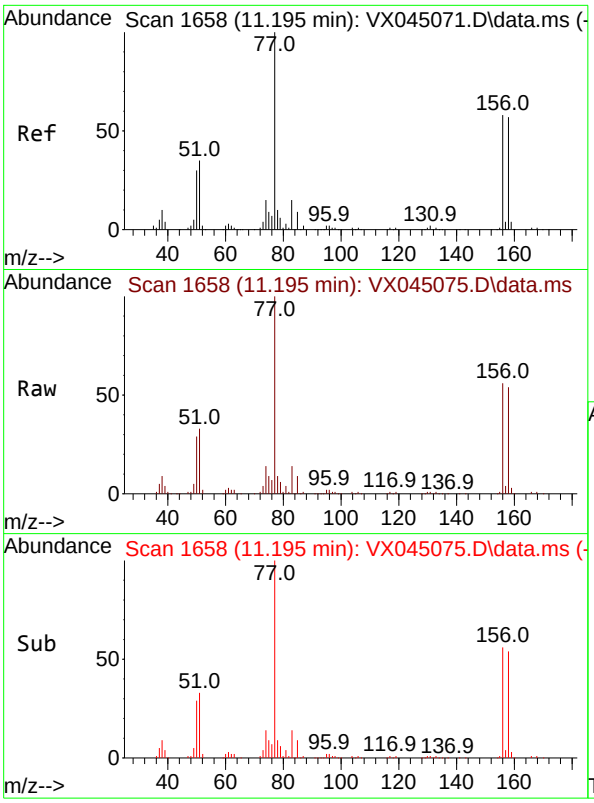


#76
1,2,3-Trichloropropane
Concen: 49.940 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 80618

Ion	Ratio	Lower	Upper
75	100		
77	42.5	20.7	62.1

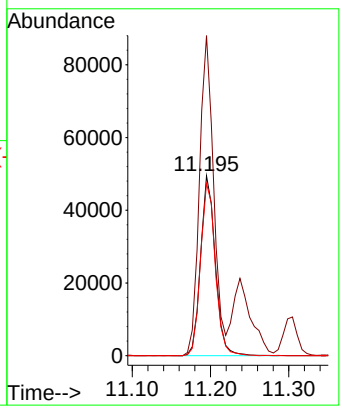




#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:156 Resp: 6432

Ion	Ratio	Lower	Upper
156	100		
77	172.1	85.8	257.4
158	96.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
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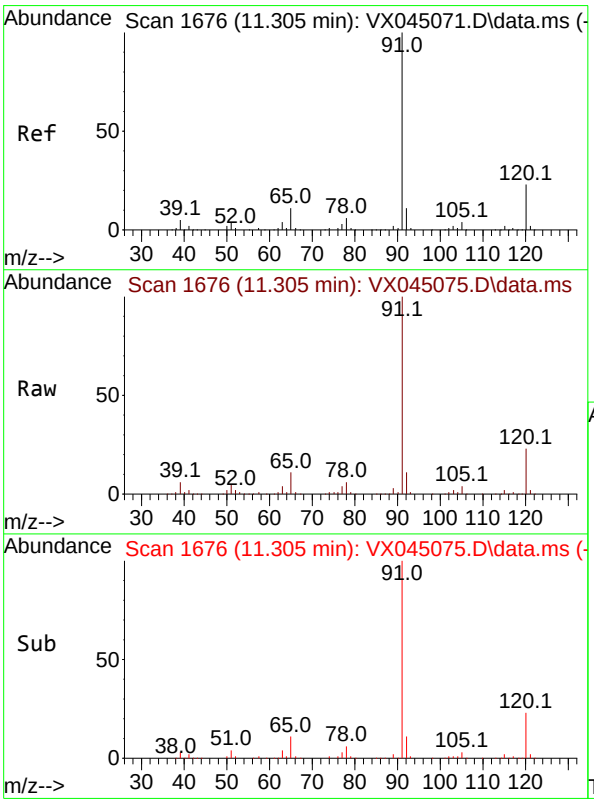
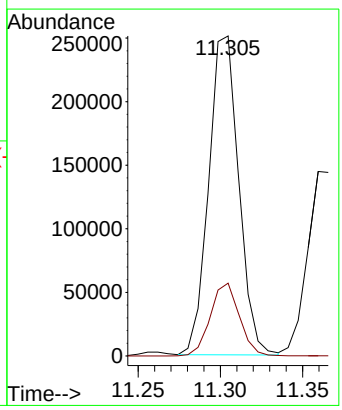
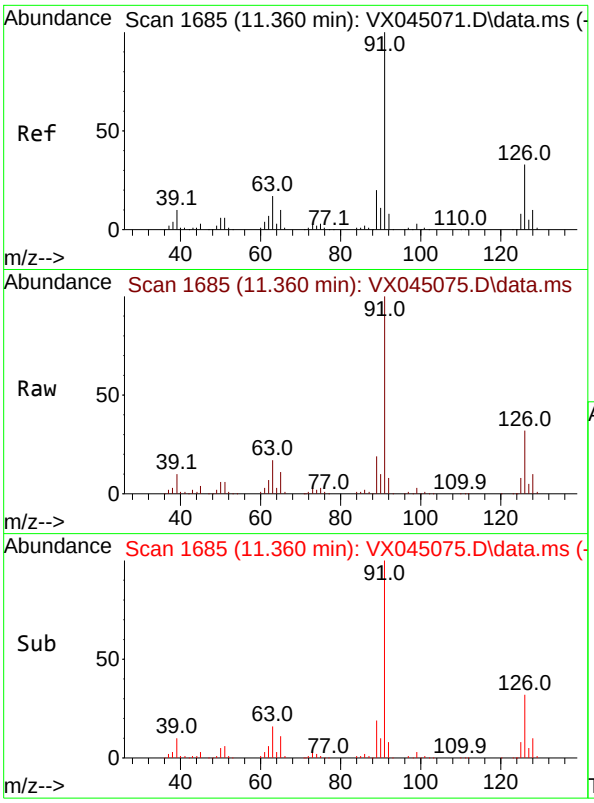


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 319235

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6





#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 19215

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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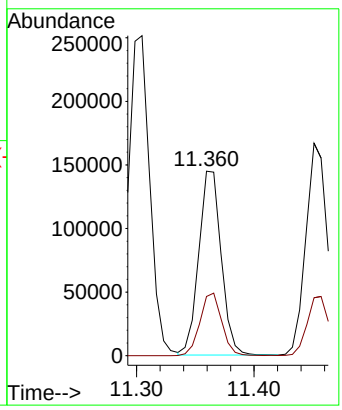
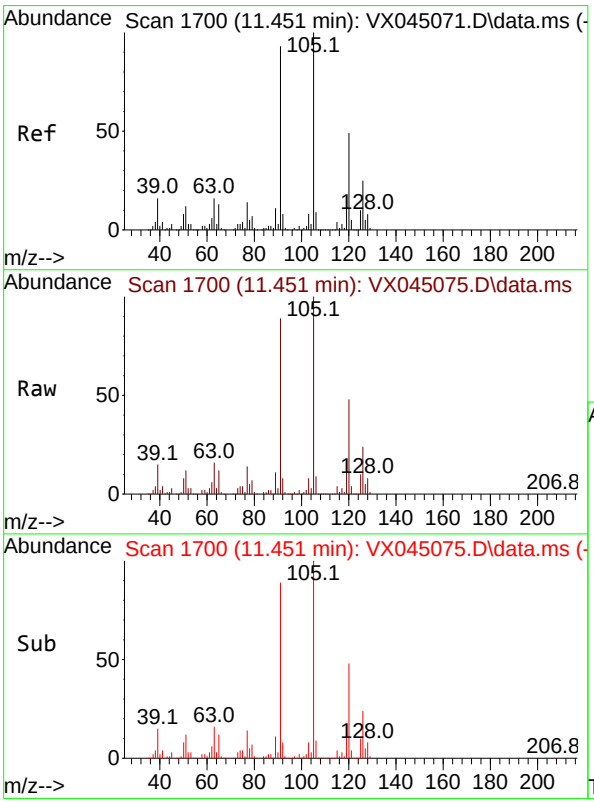
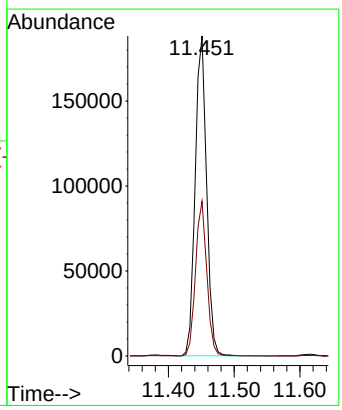


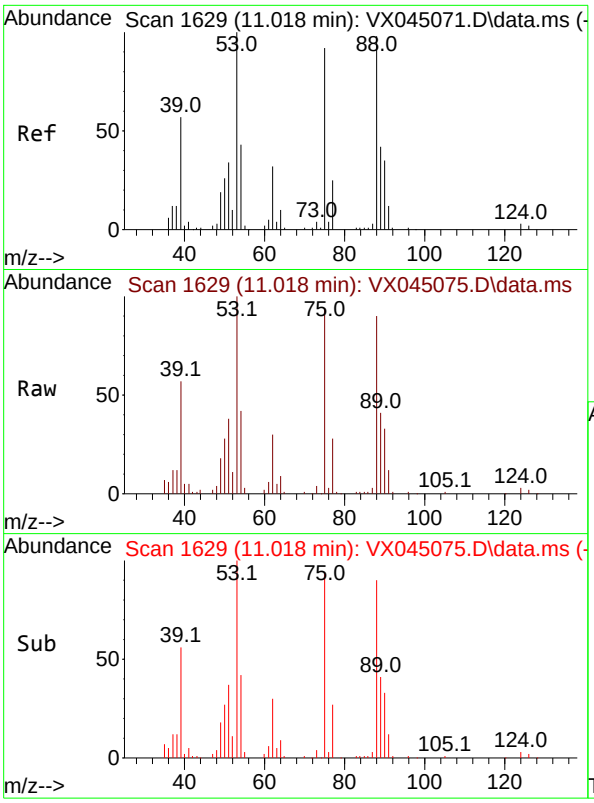


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2

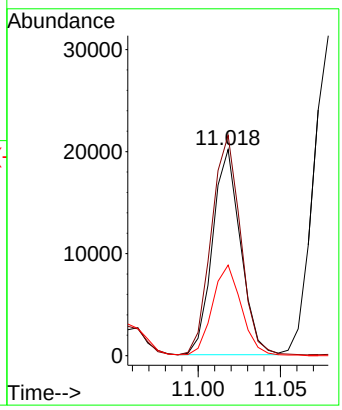




#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 2394

Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.5	132.7
89	45.8	36.2	54.4



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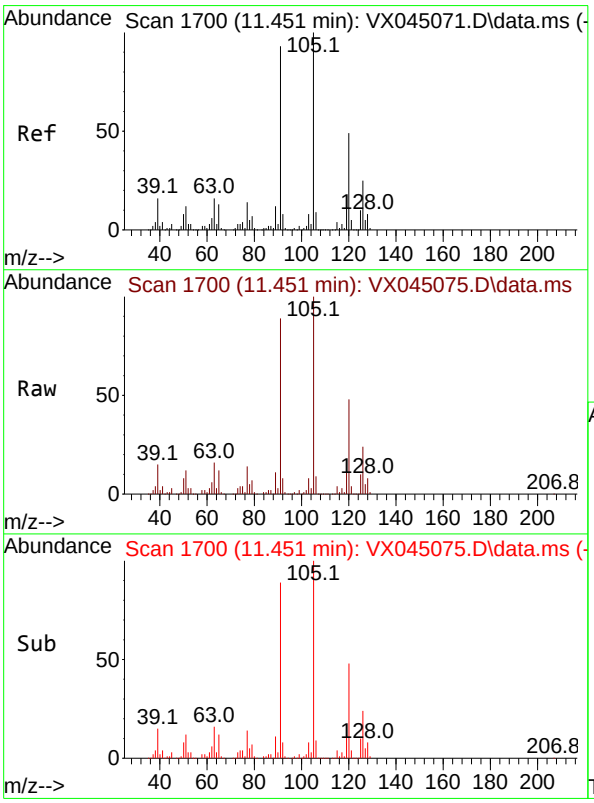
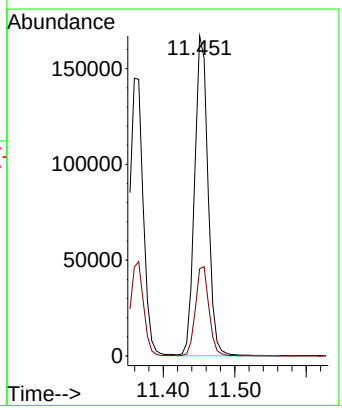
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

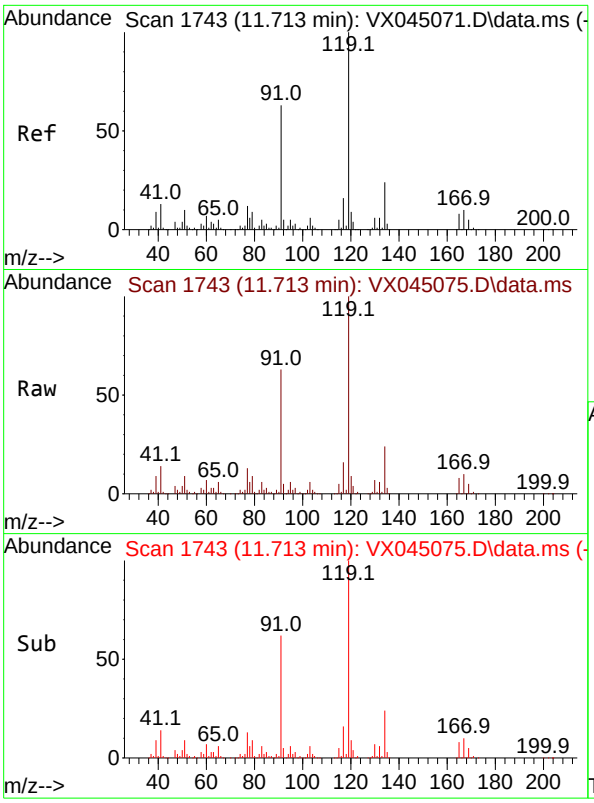


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

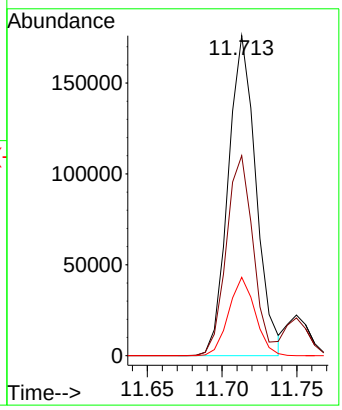




#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 22735

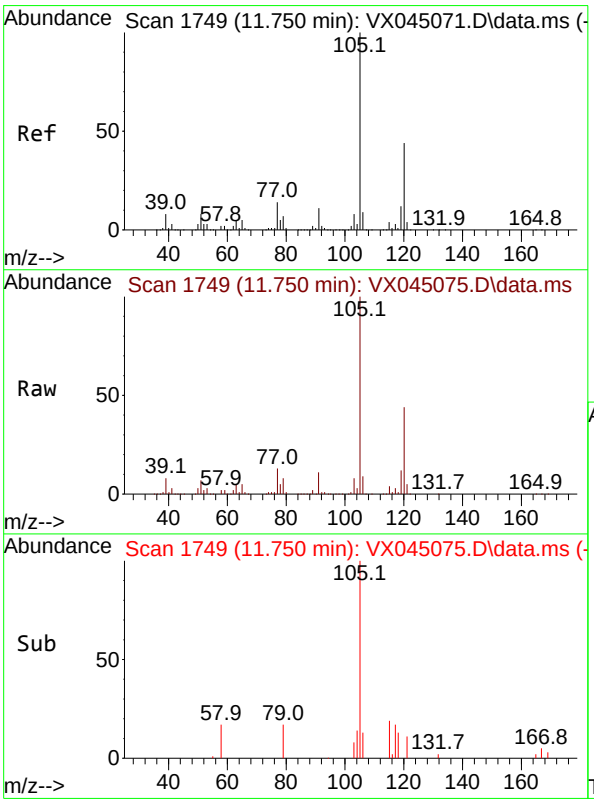
Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

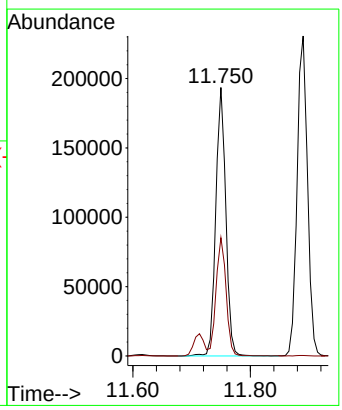
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

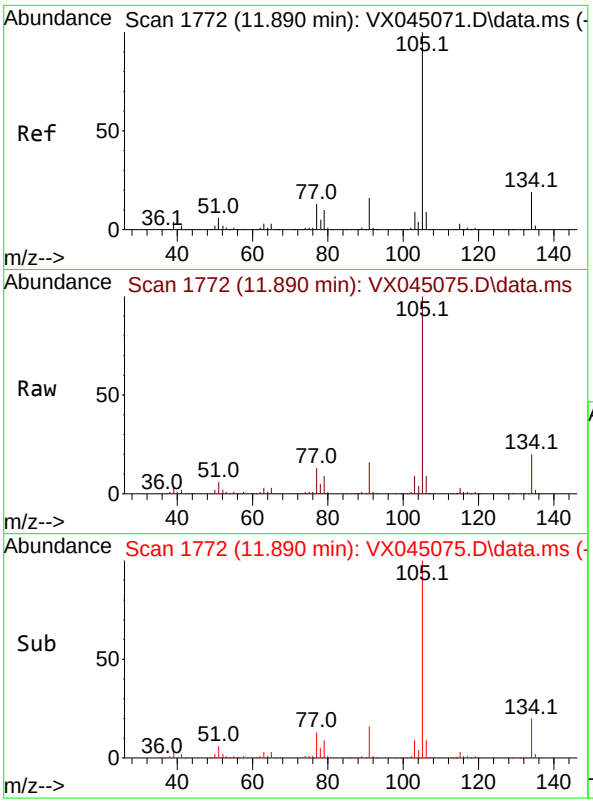


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 228729

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1





#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 28393

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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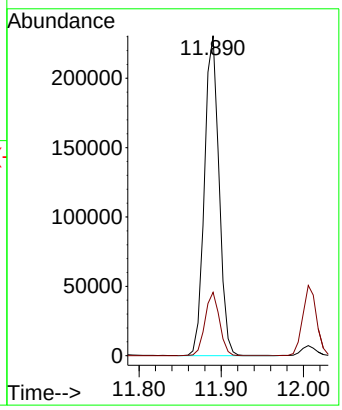
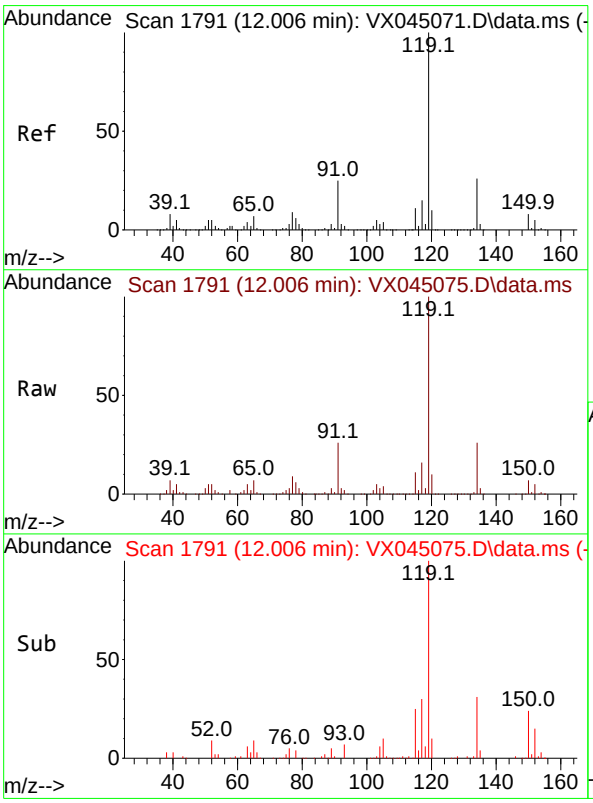
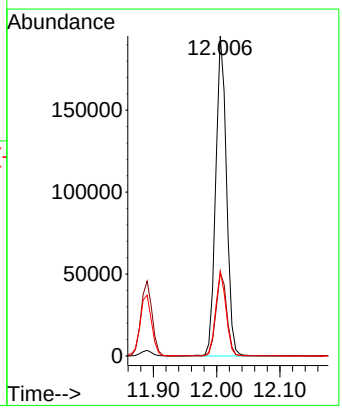


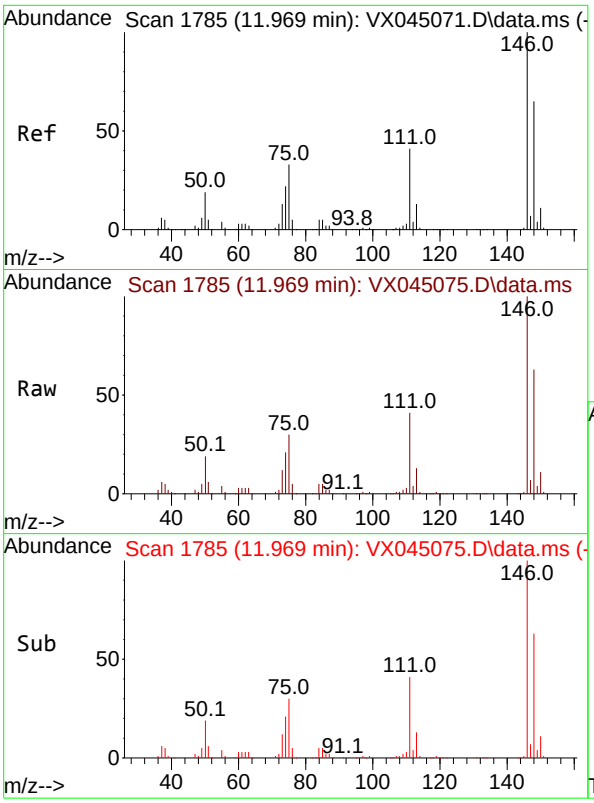


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 229894

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	25.3	12.7	38.0

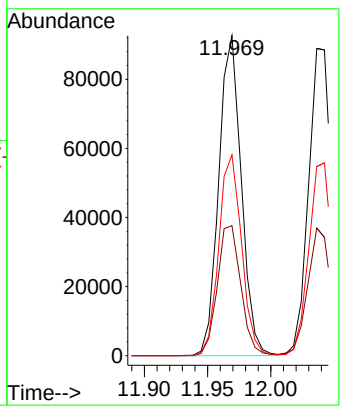




#87
1,3-Dichlorobenzene
Concen: 50.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11477

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
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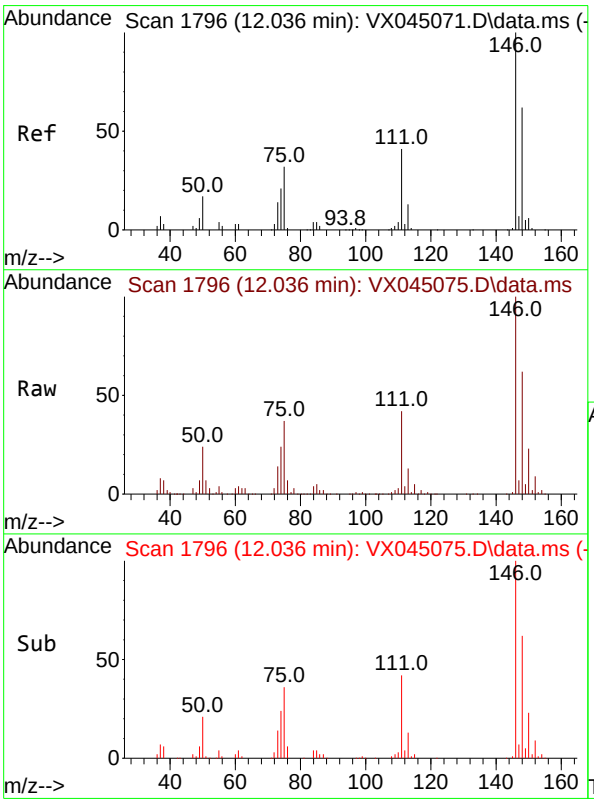
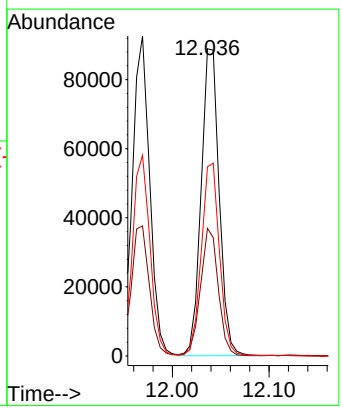
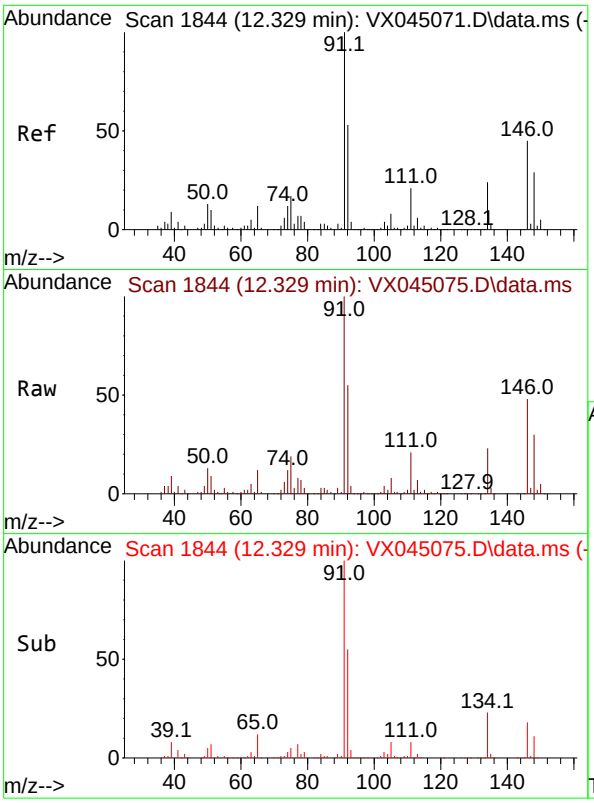


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 115486

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.5
148	63.0	31.9	95.9

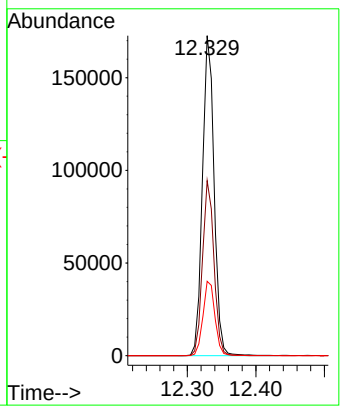




#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 20497

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	23.9	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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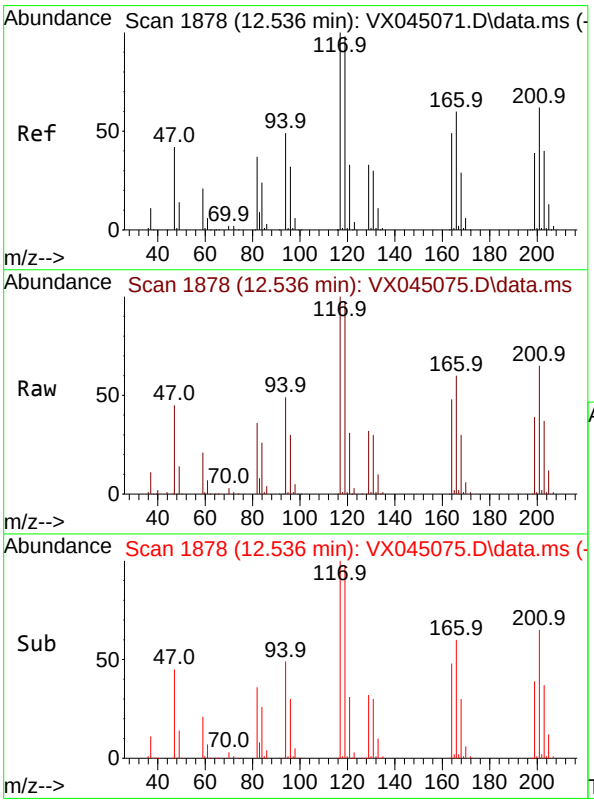
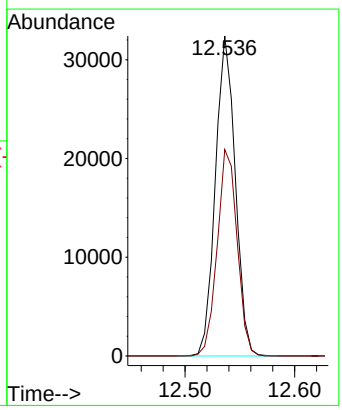
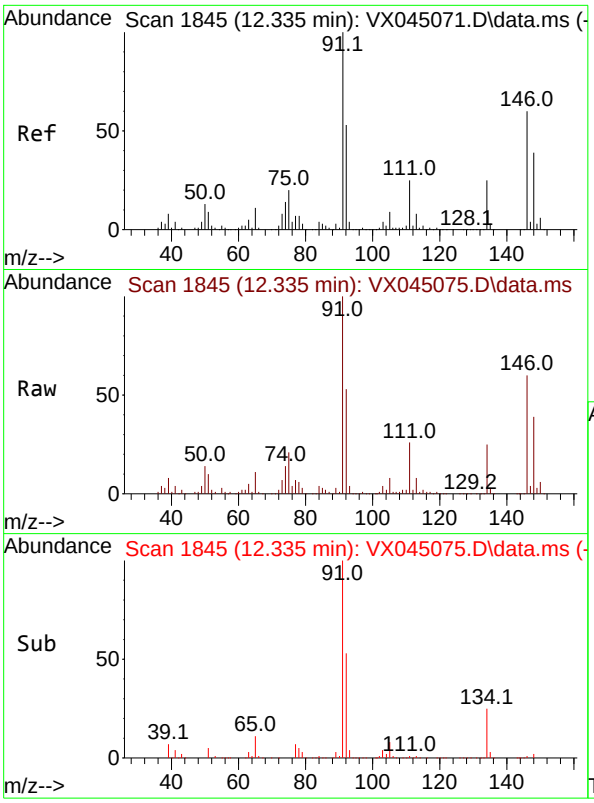


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9

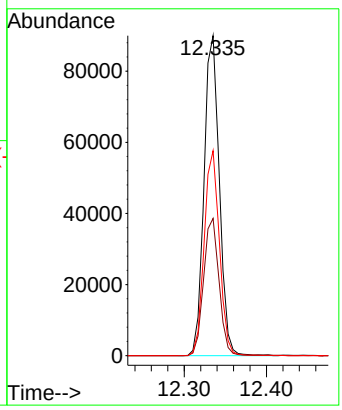




#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11634

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

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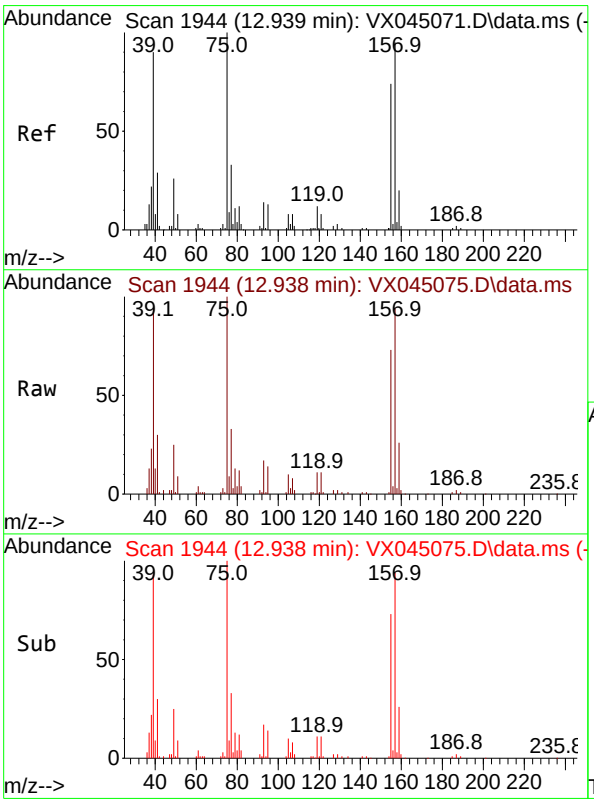
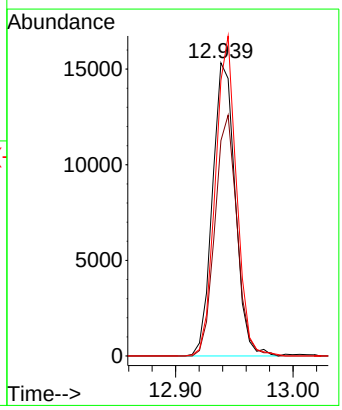
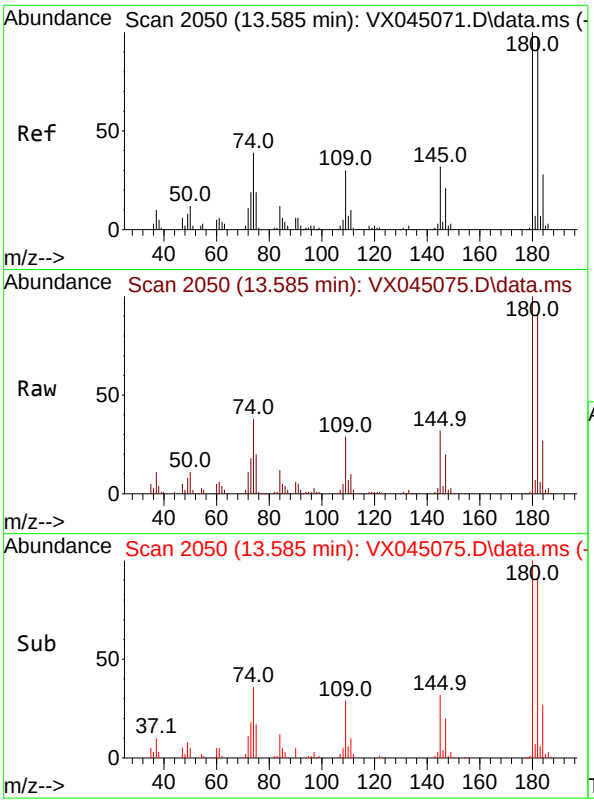


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 20589

Ion	Ratio	Lower	Upper
75	100		
155	79.8	39.6	118.7
157	101.7	51.1	153.4

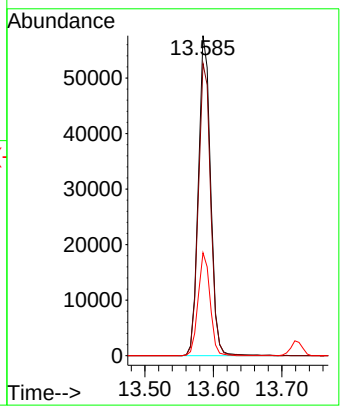




#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 7136

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	31.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

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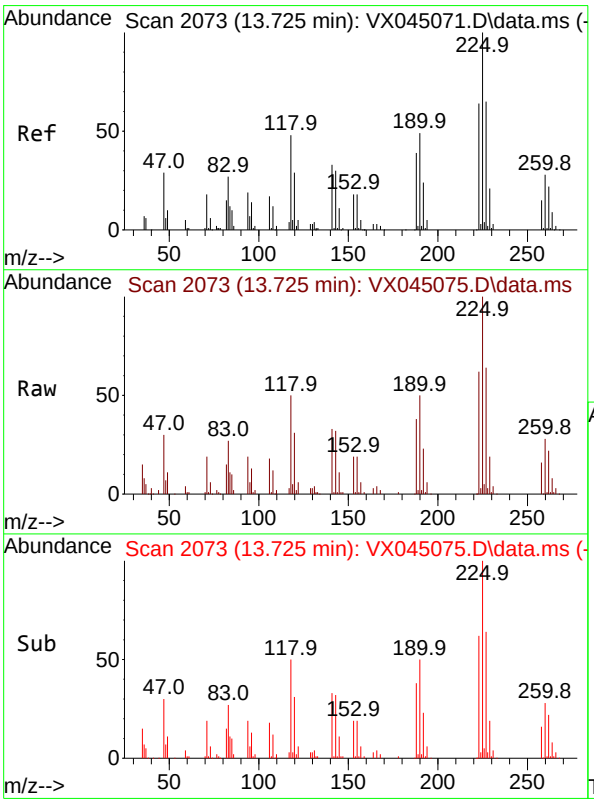
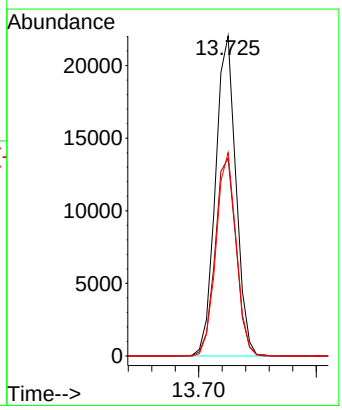
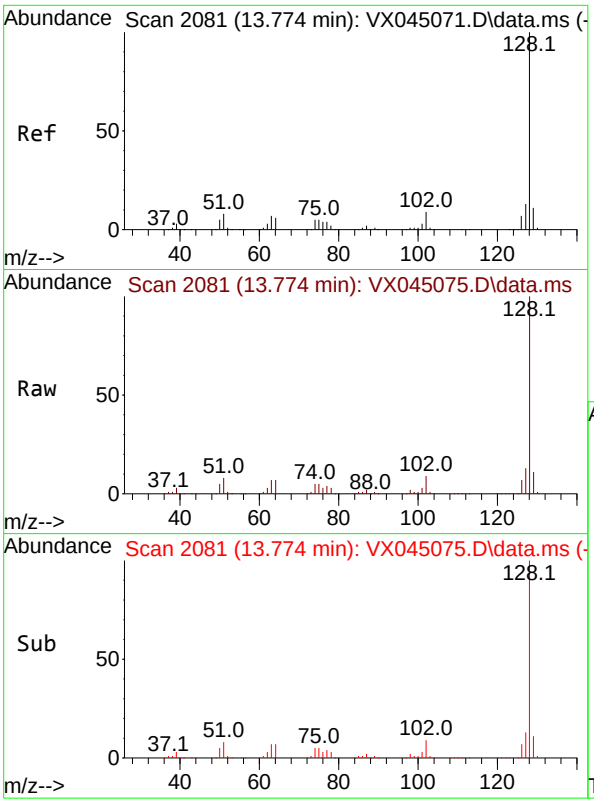


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:225 Resp: 26697

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.4	31.4	94.0

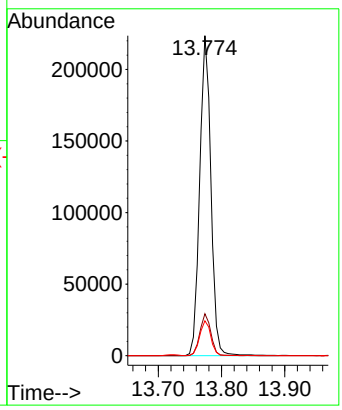




#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:128 Resp: 27584

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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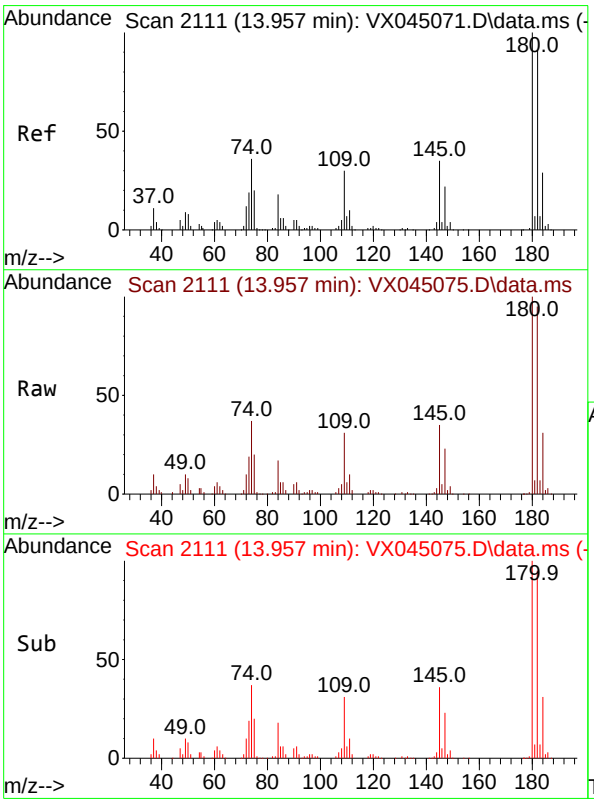
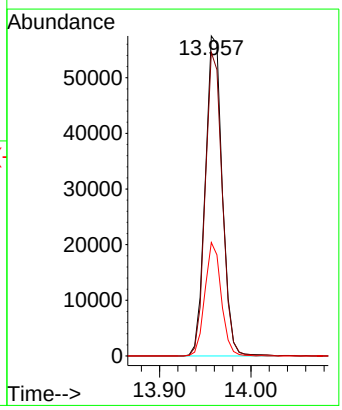


#96
1,2,3-Trichlorobenzene
Concen: 54.049 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 74211

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	33.9	17.0	50.9



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Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	0.629	0.603	4.1	95	0.00
3	P	Chloromethane	0.770	0.750	2.6	98	0.00
4	C	Vinyl Chloride	0.764	0.757	0.9#	98	0.00
5	T	Bromomethane	0.300	0.277	7.7	93	0.00
6	T	Chloroethane	0.352	0.296	15.9	78	0.00
7	T	Trichlorofluoromethane	1.011	1.003	0.8	94	0.00
8	T	Diethyl Ether	0.396	0.385	2.8	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.585	-0.7	97	0.00
10	T	Methyl Iodide	0.726	0.734	-1.1	94	0.00
11	T	Tert butyl alcohol	0.151	0.144	4.6	106	0.00
12	CM	1,1-Dichloroethene	0.614	0.609	0.8#	96	0.00
13	T	Acrolein	0.174	0.189	-8.6	107	0.00
14	T	Allyl chloride	1.094	1.131	-3.4	100	0.00
15	T	Acrylonitrile	0.404	0.413	-2.2	99	0.00
16	T	Acetone	0.369	0.358	3.0	100	0.00
17	T	Carbon Disulfide	1.636	1.635	0.1	97	0.00
18	T	Methyl Acetate	0.888	0.893	-0.6	101	0.00
19	T	Methyl tert-butyl Ether	2.061	2.190	-6.3	103	0.00
20	T	Methylene Chloride	0.731	0.726	0.7	102	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.621	-2.3	97	0.00
22	T	Diisopropyl ether	2.224	2.400	-7.9	103	0.00
23	T	Vinyl Acetate	1.856	2.096	-12.9	105	0.00
24	P	1,1-Dichloroethane	1.247	1.276	-2.3	101	0.00
25	T	2-Butanone	0.555	0.587	-5.8	100	0.00
26	T	2,2-Dichloropropane	0.585	0.578	1.2	95	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.773	-3.2	100	0.00
28	T	Bromochloromethane	0.594	0.599	-0.8	98	0.00
29	T	Tetrahydrofuran	0.373	0.385	-3.2	102	0.00
30	C	Chloroform	1.239	1.244	-0.4#	98	0.00
31	T	Cyclohexane	1.082	1.085	-0.3	96	0.00
32	T	1,1,1-Trichloroethane	1.000	1.019	-1.9	98	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.800	-0.6	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.334	0.340	-1.8	103	0.00
36	T	1,1-Dichloropropene	0.459	0.447	2.6	95	0.00
37	T	Ethyl Acetate	0.591	0.610	-3.2	100	0.00
38	T	Carbon Tetrachloride	0.465	0.460	1.1	98	0.00
39	T	Methylcyclohexane	0.549	0.562	-2.4	95	0.00
40	TM	Benzene	1.448	1.482	-2.3	98	0.00
41	T	Methacrylonitrile	0.319	0.341	-6.9	99	0.00
42	TM	1,2-Dichloroethane	0.521	0.529	-1.5	99	0.00
43	T	Isopropyl Acetate	0.874	0.951	-8.8	102	0.00
44	TM	Trichloroethene	0.340	0.333	2.1	97	0.00
45	C	1,2-Dichloropropane	0.372	0.380	-2.2#	102	0.00
46	T	Dibromomethane	0.263	0.272	-3.4	100	0.00
47	T	Bromodichloromethane	0.516	0.526	-1.9	99	0.00
48	T	Methyl methacrylate	0.438	0.474	-8.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.010	-11.1	102	0.00
50	S	Toluene-d8	1.212	1.221	-0.7	100	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.610	-3.9	99	0.00
52	CM	Toluene	0.849	0.867	-2.1#	96	0.00
53	T	t-1,3-Dichloropropene	0.431	0.468	-8.6	99	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.531	-5.6	98	0.00
55	T	1,1,2-Trichloroethane	0.350	0.351	-0.3	98	0.00
56	T	Ethyl methacrylate	0.532	0.575	-8.1	100	0.00
57	T	1,3-Dichloropropane	0.605	0.621	-2.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.286	-10.4	100	0.00
59	T	2-Hexanone	0.425	0.451	-6.1	100	0.00
60	T	Dibromochloromethane	0.366	0.376	-2.7	97	0.00
61	T	1,2-Dibromoethane	0.349	0.360	-3.2	100	0.00
62	S	4-Bromofluorobenzene	0.402	0.396	1.5	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.320	0.321	-0.3	96	0.00
65	PM	Chlorobenzene	1.058	1.070	-1.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.360	-2.3	99	0.00
67	C	Ethyl Benzene	1.843	1.903	-3.3#	95	0.00
68	T	m/p-Xylenes	0.675	0.698	-3.4	94	0.00
69	T	o-Xylene	0.681	0.690	-1.3	95	0.00
70	T	Styrene	1.101	1.149	-4.4	95	0.00
71	P	Bromoform	0.266	0.280	-5.3	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.903	4.027	-3.2	95	0.00
74	T	N-amyl acetate	1.831	2.082	-13.7	103	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.453	-1.5	100	0.00
76	T	1,2,3-Trichloropropane	1.164	1.162	0.2	99	0.00
77	T	Bromobenzene	0.921	0.927	-0.7	96	0.00
78	T	n-propylbenzene	4.409	4.603	-4.4	93	0.00
79	T	2-Chlorotoluene	2.808	2.770	1.4	94	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.253	-3.1	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.345	-1.5	99	0.00
82	T	4-Chlorotoluene	3.060	3.122	-2.0	94	0.00
83	T	tert-Butylbenzene	3.242	3.278	-1.1	95	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.298	-3.9	95	0.00
85	T	sec-Butylbenzene	3.884	4.094	-5.4	95	0.00
86	T	p-Isopropyltoluene	3.139	3.315	-5.6	94	0.00
87	T	1,3-Dichlorobenzene	1.643	1.655	-0.7	97	0.00
88	T	1,4-Dichlorobenzene	1.662	1.665	-0.2	96	0.00
89	T	n-Butylbenzene	2.703	2.955	-9.3	95	0.00
90	T	Hexachloroethane	0.568	0.589	-3.7	95	0.00
91	T	1,2-Dichlorobenzene	1.648	1.677	-1.8	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.297	-6.5	100	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.029	-9.7	99	0.00
94	T	Hexachlorobutadiene	0.385	0.385	0.0	96	0.00
95	T	Naphthalene	3.605	3.977	-10.3	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.070	-8.1	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	50.000	47.933	4.1	95	0.00
3	P	Chloromethane	50.000	48.696	2.6	98	0.00
4	C	Vinyl Chloride	50.000	49.529	0.9#	98	0.00
5	T	Bromomethane	50.000	46.190	7.6	93	0.00
6	T	Chloroethane	50.000	41.948	16.1	78	0.00
7	T	Trichlorofluoromethane	50.000	49.569	0.9	94	0.00
8	T	Diethyl Ether	50.000	48.651	2.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.367	-0.7	97	0.00
10	T	Methyl Iodide	50.000	50.541	-1.1	94	0.00
11	T	Tert butyl alcohol	250.000	238.577	4.6	106	0.00
12	CM	1,1-Dichloroethene	50.000	49.568	0.9#	96	0.00
13	T	Acrolein	250.000	271.255	-8.5	107	0.00
14	T	Allyl chloride	50.000	51.691	-3.4	100	0.00
15	T	Acrylonitrile	250.000	255.479	-2.2	99	0.00
16	T	Acetone	250.000	242.877	2.8	100	0.00
17	T	Carbon Disulfide	50.000	49.952	0.1	97	0.00
18	T	Methyl Acetate	50.000	50.312	-0.6	101	0.00
19	T	Methyl tert-butyl Ether	50.000	53.114	-6.2	103	0.00
20	T	Methylene Chloride	50.000	49.639	0.7	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.172	-2.3	97	0.00
22	T	Diisopropyl ether	50.000	53.955	-7.9	103	0.00
23	T	Vinyl Acetate	250.000	282.313	-12.9	105	0.00
24	P	1,1-Dichloroethane	50.000	51.190	-2.4	101	0.00
25	T	2-Butanone	250.000	264.040	-5.6	100	0.00
26	T	2,2-Dichloropropane	50.000	49.401	1.2	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.606	-3.2	100	0.00
28	T	Bromochloromethane	50.000	50.399	-0.8	98	0.00
29	T	Tetrahydrofuran	250.000	258.277	-3.3	102	0.00
30	C	Chloroform	50.000	50.236	-0.5#	98	0.00
31	T	Cyclohexane	50.000	50.158	-0.3	96	0.00
32	T	1,1,1-Trichloroethane	50.000	50.939	-1.9	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.297	-0.6	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	50.841	-1.7	103	0.00
36	T	1,1-Dichloropropene	50.000	48.770	2.5	95	0.00
37	T	Ethyl Acetate	50.000	51.596	-3.2	100	0.00
38	T	Carbon Tetrachloride	50.000	49.425	1.2	98	0.00
39	T	Methylcyclohexane	50.000	51.169	-2.3	95	0.00
40	TM	Benzene	50.000	51.195	-2.4	98	0.00
41	T	Methacrylonitrile	50.000	53.352	-6.7	99	0.00
42	TM	1,2-Dichloroethane	50.000	50.718	-1.4	99	0.00
43	T	Isopropyl Acetate	50.000	54.452	-8.9	102	0.00
44	TM	Trichloroethene	50.000	48.924	2.2	97	0.00
45	C	1,2-Dichloropropane	50.000	51.086	-2.2#	102	0.00
46	T	Dibromomethane	50.000	51.661	-3.3	100	0.00
47	T	Bromodichloromethane	50.000	50.930	-1.9	99	0.00
48	T	Methyl methacrylate	50.000	54.016	-8.0	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1049.007	-4.9	102	0.00
50	S	Toluene-d8	50.000	50.364	-0.7	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.995	-4.0	99	0.00
52	CM	Toluene	50.000	51.020	-2.0#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	54.247	-8.5	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.732	-5.5	98	0.00
55	T	1,1,2-Trichloroethane	50.000	50.232	-0.5	98	0.00
56	T	Ethyl methacrylate	50.000	54.109	-8.2	100	0.00
57	T	1,3-Dichloropropane	50.000	51.312	-2.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	275.557	-10.2	100	0.00
59	T	2-Hexanone	250.000	265.049	-6.0	100	0.00
60	T	Dibromochloromethane	50.000	51.374	-2.7	97	0.00
61	T	1,2-Dibromoethane	50.000	51.492	-3.0	100	0.00
62	S	4-Bromofluorobenzene	50.000	49.240	1.5	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	50.126	-0.3	96	0.00
65	PM	Chlorobenzene	50.000	50.580	-1.2	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.102	-2.2	99	0.00
67	C	Ethyl Benzene	50.000	51.621	-3.2#	95	0.00
68	T	m/p-Xylenes	100.000	103.454	-3.5	94	0.00
69	T	o-Xylene	50.000	50.668	-1.3	95	0.00
70	T	Styrene	50.000	52.177	-4.4	95	0.00
71	P	Bromoform	50.000	52.636	-5.3	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	51.589	-3.2	95	0.00
74	T	N-amyl acetate	50.000	56.851	-13.7	103	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.741	-1.5	100	0.00
76	T	1,2,3-Trichloropropane	50.000	49.940	0.1	99	0.00
77	T	Bromobenzene	50.000	50.360	-0.7	96	0.00
78	T	n-propylbenzene	50.000	52.203	-4.4	93	0.00
79	T	2-Chlorotoluene	50.000	49.338	1.3	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.544	-3.1	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.757	-1.5	99	0.00
82	T	4-Chlorotoluene	50.000	51.009	-2.0	94	0.00
83	T	tert-Butylbenzene	50.000	50.552	-1.1	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.932	-3.9	95	0.00
85	T	sec-Butylbenzene	50.000	52.703	-5.4	95	0.00
86	T	p-Isopropyltoluene	50.000	52.803	-5.6	94	0.00
87	T	1,3-Dichlorobenzene	50.000	50.372	-0.7	97	0.00
88	T	1,4-Dichlorobenzene	50.000	50.097	-0.2	96	0.00
89	T	n-Butylbenzene	50.000	54.662	-9.3	95	0.00
90	T	Hexachloroethane	50.000	51.866	-3.7	95	0.00
91	T	1,2-Dichlorobenzene	50.000	50.899	-1.8	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.199	-6.4	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.834	-9.7	99	0.00
94	T	Hexachlorobutadiene	50.000	50.032	-0.1	96	0.00
95	T	Naphthalene	50.000	55.163	-10.3	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.049	-8.1	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_Y Calibration Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Calibration Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021309.D RRF010 = VY021310.D RRF020 = VY021311.D
RRF050 = VY021312.D RRF150 = VY021314.D RRF100 = VY021316.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
Chloromethane	0.709	0.628	0.566	0.602	0.597	0.570	0.612	8.6
Vinyl Chloride	0.648	0.591	0.554	0.627	0.606	0.580	0.601	5.6
Bromomethane	0.505	0.414	0.361	0.387	0.371	0.359	0.399	13.9
Chloroethane	0.414	0.365	0.347	0.390	0.365	0.355	0.373	6.7
Trichlorofluoromethane	0.976	0.915	0.838	0.936	0.909	0.870	0.908	5.3
1,1,2-Trichlorotrifluoroethane	0.546	0.529	0.491	0.537	0.541	0.508	0.525	4.1
1,1-Dichloroethene	0.545	0.489	0.462	0.515	0.518	0.490	0.503	5.7
Acetone	0.122	0.102	0.094	0.128	0.104	0.103	0.109	11.9
Carbon Disulfide	1.800	1.652	1.540	1.734	1.678	1.620	1.671	5.4
Methyl tert-butyl Ether	1.312	1.268	1.267	1.410	1.410	1.307	1.329	4.9
Methylene Chloride	0.733	0.598	0.539	0.585	0.547	0.529	0.588	12.8
trans-1,2-Dichloroethene	0.589	0.536	0.507	0.573	0.570	0.547	0.554	5.4
1,1-Dichloroethane	1.101	1.032	0.961	1.083	1.058	1.007	1.040	4.9
2-Butanone	0.162	0.155	0.156	0.183	0.171	0.159	0.164	6.5
Carbon Tetrachloride	0.567	0.562	0.509	0.581	0.567	0.535	0.554	4.8
cis-1,2-Dichloroethene	0.649	0.610	0.588	0.665	0.656	0.626	0.632	4.7
Chloroform	1.128	1.046	0.977	1.095	1.062	1.017	1.054	5.1
1,1,1-Trichloroethane	1.020	0.956	0.889	0.986	0.979	0.927	0.960	4.8
Methylcyclohexane	0.597	0.613	0.584	0.662	0.663	0.618	0.623	5.3
Benzene	1.515	1.445	1.359	1.533	1.472	1.409	1.456	4.5
1,2-Dichloroethane	0.422	0.417	0.393	0.434	0.419	0.394	0.413	3.9
Trichloroethene	0.375	0.360	0.341	0.382	0.375	0.354	0.364	4.3
1,2-Dichloropropane	0.360	0.350	0.329	0.371	0.357	0.336	0.350	4.5
Bromodichloromethane	0.519	0.503	0.477	0.541	0.528	0.495	0.511	4.5
4-Methyl-2-Pentanone	0.220	0.227	0.239	0.267	0.264	0.238	0.243	7.9
Toluene	0.887	0.888	0.852	0.965	0.936	0.897	0.904	4.4
t-1,3-Dichloropropene	0.438	0.436	0.434	0.515	0.509	0.474	0.468	8
cis-1,3-Dichloropropene	0.541	0.526	0.528	0.591	0.581	0.546	0.552	5
1,1,2-Trichloroethane	0.250	0.251	0.238	0.267	0.254	0.237	0.249	4.4
2-Hexanone	0.133	0.146	0.155	0.183	0.178	0.162	0.159	11.9

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_Y Calibration Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Calibration Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021309.D RRF010 = VY021310.D RRF020 = VY021311.D
RRF050 = VY021312.D RRF150 = VY021314.D RRF100 = VY021316.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
Dibromochloromethane	0.340	0.325	0.322	0.368	0.352	0.332	0.340	5.2
Tetrachloroethene	0.405	0.380	0.351	0.389	0.386	0.355	0.378	5.5
Chlorobenzene	1.171	1.111	1.039	1.176	1.159	1.078	1.122	5
Ethyl Benzene	1.938	1.941	1.826	2.130	2.115	1.979	1.988	5.8
m/p-Xylenes	0.735	0.738	0.696	0.802	0.783	0.733	0.748	5.1
o-Xylene	0.689	0.675	0.648	0.758	0.739	0.694	0.701	5.9
Styrene	1.081	1.128	1.091	1.277	1.257	1.159	1.166	7.2
Bromoform	0.221	0.221	0.211	0.246	0.236	0.214	0.225	5.9
Isopropylbenzene	3.744	3.605	3.437	3.976	4.009	3.783	3.759	5.8
1,1,2,2-Tetrachloroethane	0.700	0.649	0.621	0.697	0.689	0.624	0.663	5.5
1,3-Dichlorobenzene	1.812	1.729	1.598	1.792	1.777	1.668	1.730	4.8
1,4-Dichlorobenzene	1.825	1.710	1.593	1.751	1.744	1.629	1.709	5
1,2-Dichlorobenzene	1.599	1.499	1.408	1.575	1.564	1.446	1.515	5.1
1,2-Dichloroethane-d4	0.681	0.510	0.548	0.551	0.566	0.547	0.567	10.3
Dibromofluoromethane	0.370	0.299	0.317	0.325	0.334	0.322	0.328	7.2
Toluene-d8	1.420	1.158	1.230	1.251	1.290	1.253	1.267	6.8
4-Bromofluorobenzene	0.490	0.387	0.404	0.423	0.435	0.420	0.426	8.2

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 2025
Response Via : Initial Calibration

Calibration Files
5 =VY021309.D 10 =VY021310.D 20 =VY021311.D 50 =VY021312.D 100 =VY021316.D 150 =VY021314.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.510	0.484	0.431	0.493	0.447	0.480	0.474	6.16
3)	P	Chloromethane	0.709	0.628	0.566	0.602	0.570	0.597	0.612	8.61
4)	C	Vinyl Chloride	0.648	0.591	0.554	0.627	0.580	0.606	0.601	5.60#
5)	T	Bromomethane	0.505	0.414	0.361	0.387	0.359	0.371	0.399	13.92
6)	T	Chloroethane	0.414	0.365	0.347	0.390	0.355	0.365	0.373	6.66
7)	T	Trichlorofluor...	0.976	0.915	0.838	0.936	0.870	0.909	0.908	5.33
8)	T	Diethyl Ether	0.276	0.264	0.260	0.286	0.263	0.286	0.272	4.34
9)	T	1,1,2-Trichlor...	0.546	0.529	0.491	0.537	0.508	0.541	0.525	4.09
10)	T	Methyl Iodide	0.492	0.473	0.490	0.637	0.600	0.625	0.553	13.64
11)	T	Tert butyl alc...	0.058	0.047	0.042	0.040	0.034	0.039	0.044	18.88
12)	CM	1,1-Dichloroet...	0.545	0.489	0.462	0.515	0.490	0.518	0.503	5.75#
13)	T	Acrolein	0.065	0.058	0.059	0.007	0.006	0.006	0.033	89.20
14)	T	Allyl chloride	0.929	0.847	0.821	0.926	0.889	0.938	0.892	5.42
15)	T	Acrylonitrile	0.122	0.115	0.116	0.127	0.115	0.127	0.120	5.01
16)	T	Acetone	0.122	0.102	0.094	0.128	0.103	0.104	0.109	11.92
17)	T	Carbon Disulfide	1.800	1.652	1.540	1.734	1.620	1.678	1.671	5.41
18)	T	Methyl Acetate	0.285	0.249	0.259	0.276	0.250	0.276	0.266	5.65
19)	T	Methyl tert-bu...	1.312	1.268	1.267	1.410	1.307	1.410	1.329	4.93
20)	T	Methylene Chlo...	0.733	0.598	0.539	0.585	0.529	0.547	0.588	12.84
21)	T	trans-1,2-Dich...	0.589	0.536	0.507	0.573	0.547	0.570	0.554	5.36
22)	T	Diisopropyl ether	1.839	1.794	1.752	1.961	1.828	1.900	1.846	4.06
23)	T	Vinyl Acetate	1.062	1.041	1.045	1.188	1.103	1.179	1.103	6.00
24)	P	1,1-Dichloroet...	1.101	1.032	0.961	1.083	1.007	1.058	1.040	4.94
25)	T	2-Butanone	0.162	0.155	0.156	0.183	0.159	0.171	0.164	6.53
26)	T	2,2-Dichloropr...	1.036	0.939	0.845	0.972	0.920	0.952	0.944	6.64
27)	T	cis-1,2-Dichlo...	0.649	0.610	0.588	0.665	0.626	0.656	0.632	4.68
28)	T	Bromochloromet...	0.525	0.442	0.438	0.454	0.439	0.464	0.460	7.23
29)	T	Tetrahydrofuran	0.105	0.100	0.106	0.115	0.104	0.114	0.107	5.36
30)	C	Chloroform	1.128	1.046	0.977	1.095	1.017	1.062	1.054	5.11#
31)	T	Cyclohexane	1.182	1.025	0.910	0.989	0.923	0.971	1.000	9.90
32)	T	1,1,1-Trichlor...	1.020	0.956	0.889	0.986	0.927	0.979	0.960	4.81
33)	S	1,2-Dichloroet...	0.681	0.510	0.548	0.551	0.547	0.566	0.567	10.35
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.370	0.299	0.317	0.325	0.322	0.334	0.328	7.20
36)	T	1,1-Dichloropr...	0.508	0.487	0.460	0.516	0.478	0.505	0.492	4.28
37)	T	Ethyl Acetate	0.251	0.246	0.232	0.257	0.228	0.255	0.245	5.02
38)	T	Carbon Tetrach...	0.567	0.562	0.509	0.581	0.535	0.567	0.554	4.80
39)	T	Methylcyclohexane	0.597	0.613	0.584	0.662	0.618	0.663	0.623	5.33
40)	TM	Benzene	1.515	1.445	1.359	1.533	1.409	1.472	1.456	4.48
41)	T	Methacrylonitrile	0.162	0.118	0.120	0.147	0.129	0.146	0.137	12.55
42)	TM	1,2-Dichloroet...	0.422	0.417	0.393	0.434	0.394	0.419	0.413	3.91
43)	T	Isopropyl Acetate	0.443	0.447	0.464	0.513	0.466	0.511	0.474	6.49
44)	TM	Trichloroethene	0.375	0.360	0.341	0.382	0.354	0.375	0.364	4.29
45)	C	1,2-Dichloropr...	0.360	0.350	0.329	0.371	0.336	0.357	0.350	4.49#
46)	T	Dibromomethane	0.192	0.188	0.183	0.203	0.184	0.199	0.191	4.22
47)	T	Bromodichlorom...	0.519	0.503	0.477	0.541	0.495	0.528	0.511	4.54
48)	T	Methyl methacr...	0.197	0.201	0.208	0.247	0.225	0.251	0.222	10.59
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.15
50)	S	Toluene-d8	1.420	1.158	1.230	1.251	1.253	1.290	1.267	6.83
51)	T	4-Methyl-2-Pen...	0.220	0.227	0.239	0.267	0.238	0.264	0.243	7.94
52)	CM	Toluene	0.887	0.888	0.852	0.965	0.897	0.936	0.904	4.42#
53)	T	t-1,3-Dichloro...	0.438	0.436	0.434	0.515	0.474	0.509	0.468	8.02
54)	T	cis-1,3-Dichlo...	0.541	0.526	0.528	0.591	0.546	0.581	0.552	4.97
55)	T	1,1,2-Trichlor...	0.250	0.251	0.238	0.267	0.237	0.254	0.249	4.42
56)	T	Ethyl methacry...	0.294	0.308	0.315	0.392	0.360	0.398	0.345	13.04

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y022525S.M

57)	T	1,3-Dichloropr...	0.427	0.428	0.422	0.469	0.426	0.454	0.438	4.39
58)	T	2-Chloroethyl ...	0.140	0.146	0.159	0.191	0.177	0.179	0.165	12.21
59)	T	2-Hexanone	0.133	0.146	0.155	0.183	0.162	0.178	0.159	11.90
60)	T	Dibromochlorom...	0.340	0.325	0.322	0.368	0.332	0.352	0.340	5.17
61)	T	1,2-Dibromoethane	0.234	0.231	0.226	0.254	0.227	0.245	0.236	4.72
62)	S	4-Bromofluorob...	0.490	0.387	0.404	0.423	0.420	0.435	0.426	8.25
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.405	0.380	0.351	0.389	0.355	0.386	0.378	5.52
65)	PM	Chlorobenzene	1.171	1.111	1.039	1.176	1.078	1.159	1.122	4.97
66)	T	1,1,1,2-Tetrac...	0.396	0.401	0.362	0.414	0.381	0.404	0.393	4.71
67)	C	Ethyl Benzene	1.938	1.941	1.826	2.130	1.979	2.115	1.988	5.85#
68)	T	m/p-Xylenes	0.735	0.738	0.696	0.802	0.733	0.783	0.748	5.13
69)	T	o-Xylene	0.689	0.675	0.648	0.758	0.694	0.739	0.701	5.86
70)	T	Styrene	1.081	1.128	1.091	1.276	1.159	1.257	1.166	7.15
71)	P	Bromoform	0.221	0.221	0.211	0.246	0.214	0.236	0.225	5.89
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.744	3.605	3.437	3.976	3.783	4.009	3.759	5.80
74)	T	N-amyl acetate	0.818	0.854	0.904	1.060	0.990	1.106	0.955	12.07
75)	P	1,1,2,2-Tetrac...	0.700	0.649	0.621	0.697	0.624	0.689	0.663	5.52
76)	T	1,2,3-Trichlor...	0.517	0.547	0.448	0.523	0.474	0.493	0.500	7.19
77)	T	Bromobenzene	0.919	0.843	0.806	0.908	0.854	0.915	0.874	5.34
78)	T	n-propylbenzene	4.532	4.403	4.216	4.830	4.546	4.842	4.561	5.34
79)	T	2-Chlorotoluene	2.741	2.558	2.412	2.715	2.551	2.730	2.618	5.05
80)	T	1,3,5-Trimethy...	3.092	2.977	2.873	3.250	3.042	3.264	3.083	4.99
81)	T	trans-1,4-Dich...	0.210	0.209	0.208	0.244	0.225	0.255	0.225	8.86
82)	T	4-Chlorotoluene	2.871	2.665	2.496	2.815	2.633	2.802	2.714	5.19
83)	T	tert-Butylbenzene	2.703	2.753	2.601	2.892	2.760	3.000	2.785	5.08
84)	T	1,2,4-Trimethy...	3.014	2.958	2.860	3.248	3.048	3.269	3.066	5.28
85)	T	sec-Butylbenzene	4.126	4.003	3.760	4.257	3.987	4.274	4.068	4.75
86)	T	p-Isopropyltol...	3.340	3.267	3.162	3.593	3.377	3.641	3.397	5.48
87)	T	1,3-Dichlorobe...	1.812	1.729	1.598	1.792	1.668	1.777	1.730	4.77
88)	T	1,4-Dichlorobe...	1.825	1.710	1.593	1.751	1.629	1.744	1.709	4.99
89)	T	n-Butylbenzene	3.078	3.050	2.931	3.421	3.218	3.481	3.196	6.82
90)	T	Hexachloroethane	0.759	0.690	0.638	0.721	0.693	0.755	0.710	6.43
91)	T	1,2-Dichlorobe...	1.599	1.499	1.408	1.575	1.446	1.564	1.515	5.09
92)	T	1,2-Dibromo-3-...	0.103	0.097	0.099	0.113	0.102	0.115	0.105	7.23
93)	T	1,2,4-Trichlor...	0.906	0.848	0.822	0.968	0.950	1.053	0.925	9.16
94)	T	Hexachlorobuta...	0.633	0.573	0.517	0.591	0.563	0.616	0.582	7.04
95)	T	Naphthalene	1.249	1.282	1.361	1.721	1.673	1.905	1.532	17.67
96)	T	1,2,3-Trichlor...	0.742	0.719	0.698	0.824	0.809	0.896	0.781	9.62

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	177514	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	289913	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	247837	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	118690	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	12088	6.003	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 12.000%#				
35) Dibromofluoromethane	7.634	113	10715	5.637	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 11.280%#				
50) Toluene-d8	10.103	98	41158	5.603	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 11.200%#				
62) 4-Bromofluorobenzene	12.408	95	14192	5.741	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 11.480%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	9045	5.374	ug/l		99
3) Chloromethane	2.068	50	12591	5.793	ug/l		97
4) Vinyl Chloride	2.202	62	11497	5.389	ug/l		93
5) Bromomethane	2.598	94	8962	6.321	ug/l		99
6) Chloroethane	2.733	64	7351	5.556	ug/l		99
7) Trichlorofluoromethane	3.056	101	17319	5.375	ug/l	#	83
8) Diethyl Ether	3.458	74	4897	5.064	ug/l		89
9) 1,1,2-Trichlorotrifluo...	3.806	101	9686	5.193	ug/l		96
10) Methyl Iodide	4.001	142	8728	4.447	ug/l		99
11) Tert butyl alcohol	4.848	59	5165	33.345	ug/l	#	84
12) 1,1-Dichloroethene	3.787	96	9671	5.415	ug/l		90
13) Acrolein	3.647	56	5798	48.848	ug/l		99
14) Allyl chloride	4.379	41	16498	5.210	ug/l		99
15) Acrylonitrile	5.055	53	10830	25.330	ug/l		98
16) Acetone	3.866	43	10823	28.018	ug/l		99
17) Carbon Disulfide	4.104	76	31953	5.387	ug/l		99
18) Methyl Acetate	4.391	43	5062	5.362	ug/l	#	54
19) Methyl tert-butyl Ether	5.110	73	23290	4.935	ug/l		100
20) Methylene Chloride	4.610	84	13003	6.225	ug/l		93
21) trans-1,2-Dichloroethene	5.110	96	10455	5.317	ug/l		98
22) Diisopropyl ether	6.012	45	32640	4.981	ug/l	#	86
23) Vinyl Acetate	5.958	43	94244	24.067	ug/l		99
24) 1,1-Dichloroethane	5.915	63	19538	5.290	ug/l		98
25) 2-Butanone	6.890	43	14341	24.599	ug/l	#	88
26) 2,2-Dichloropropane	6.884	77	18391	5.488	ug/l		100
27) cis-1,2-Dichloroethene	6.890	96	11522	5.132	ug/l		97
28) Bromochloromethane	7.244	49	9318	5.702	ug/l		99
29) Tetrahydrofuran	7.262	42	9319	24.455	ug/l		99
30) Chloroform	7.421	83	20025	5.351	ug/l		98
31) Cyclohexane	7.701	56	20990	5.912	ug/l	#	86
32) 1,1,1-Trichloroethane	7.616	97	18106	5.315	ug/l		98
36) 1,1-Dichloropropene	7.829	75	14719	5.155	ug/l		98
37) Ethyl Acetate	6.982	43	7270	5.119	ug/l		98
38) Carbon Tetrachloride	7.817	117	16445	5.124	ug/l		92
39) Methylcyclohexane	9.103	83	17316	4.795	ug/l		95
40) Benzene	8.079	78	43912	5.203	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	4691m	5.908	ug/l		
42) 1,2-Dichloroethane	8.158	62	12236	5.110	ug/l		99
43) Isopropyl Acetate	8.195	43	12832	4.668	ug/l		99
44) Trichloroethene	8.859	130	10868	5.143	ug/l		100
45) 1,2-Dichloropropane	9.140	63	10426	5.133	ug/l		95
46) Dibromomethane	9.231	93	5557	5.005	ug/l		100
47) Bromodichloromethane	9.420	83	15042	5.081	ug/l		100
48) Methyl methacrylate	9.219	41	5698	4.433	ug/l		95
49) 1,4-Dioxane	9.231	88	1164	94.292	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	31910	22.677	ug/l		100
52) Toluene	10.170	92	25715	4.905	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	12697	4.682	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	15685	4.899	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	7259	5.019	ug/l		96
56) Ethyl methacrylate	10.438	69	8528	4.267	ug/l		99
57) 1,3-Dichloropropane	10.713	76	12384	4.880	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	20290	21.153	ug/l		98
59) 2-Hexanone	10.762	43	19312	20.897	ug/l		97
60) Dibromochloromethane	10.914	129	9844	4.998	ug/l		97
61) 1,2-Dibromoethane	11.018	107	6792	4.960	ug/l		98
64) Tetrachloroethene	10.646	164	10042	5.361	ug/l		96
65) Chlorobenzene	11.444	112	29025	5.217	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.518	131	9824	5.043	ug/l		99
67) Ethyl Benzene	11.518	91	48026	4.874	ug/l		97
68) m/p-Xylenes	11.627	106	36446	9.833	ug/l		100
69) o-Xylene	11.956	106	17085	4.920	ug/l		97
70) Styrene	11.969	104	26787	4.637	ug/l		99
71) Bromoform	12.133	173	5478	4.916	ug/l	#	99
73) Isopropylbenzene	12.255	105	44434	4.980	ug/l		99
74) N-amyl acetate	12.072	43	9713	4.283	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	8309	5.276	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	6139m	5.136	ug/l		
77) Bromobenzene	12.536	156	10911	5.257	ug/l		99
78) n-propylbenzene	12.597	91	53794	4.968	ug/l		100
79) 2-Chlorotoluene	12.682	91	32529	5.235	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	36696	5.014	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	2493	4.664	ug/l		97
82) 4-Chlorotoluene	12.780	91	34079	5.290	ug/l		99
83) tert-Butylbenzene	12.999	119	32078	4.852	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	35772	4.915	ug/l		100
85) sec-Butylbenzene	13.176	105	48977	5.072	ug/l		100
86) p-Isopropyltoluene	13.292	119	39637	4.916	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	21510	5.239	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	21663	5.341	ug/l		95
89) n-Butylbenzene	13.621	91	36537	4.815	ug/l		100
90) Hexachloroethane	13.883	117	9013	5.351	ug/l		97
91) 1,2-Dichlorobenzene	13.664	146	18984	5.278	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1227	4.925	ug/l		97
93) 1,2,4-Trichlorobenzene	14.925	180	10759	4.901	ug/l		98
94) Hexachlorobutadiene	15.029	225	7510	5.434	ug/l		95
95) Naphthalene	15.145	128	14829	4.078	ug/l		97
96) 1,2,3-Trichlorobenzene	15.334	180	8804	4.746	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
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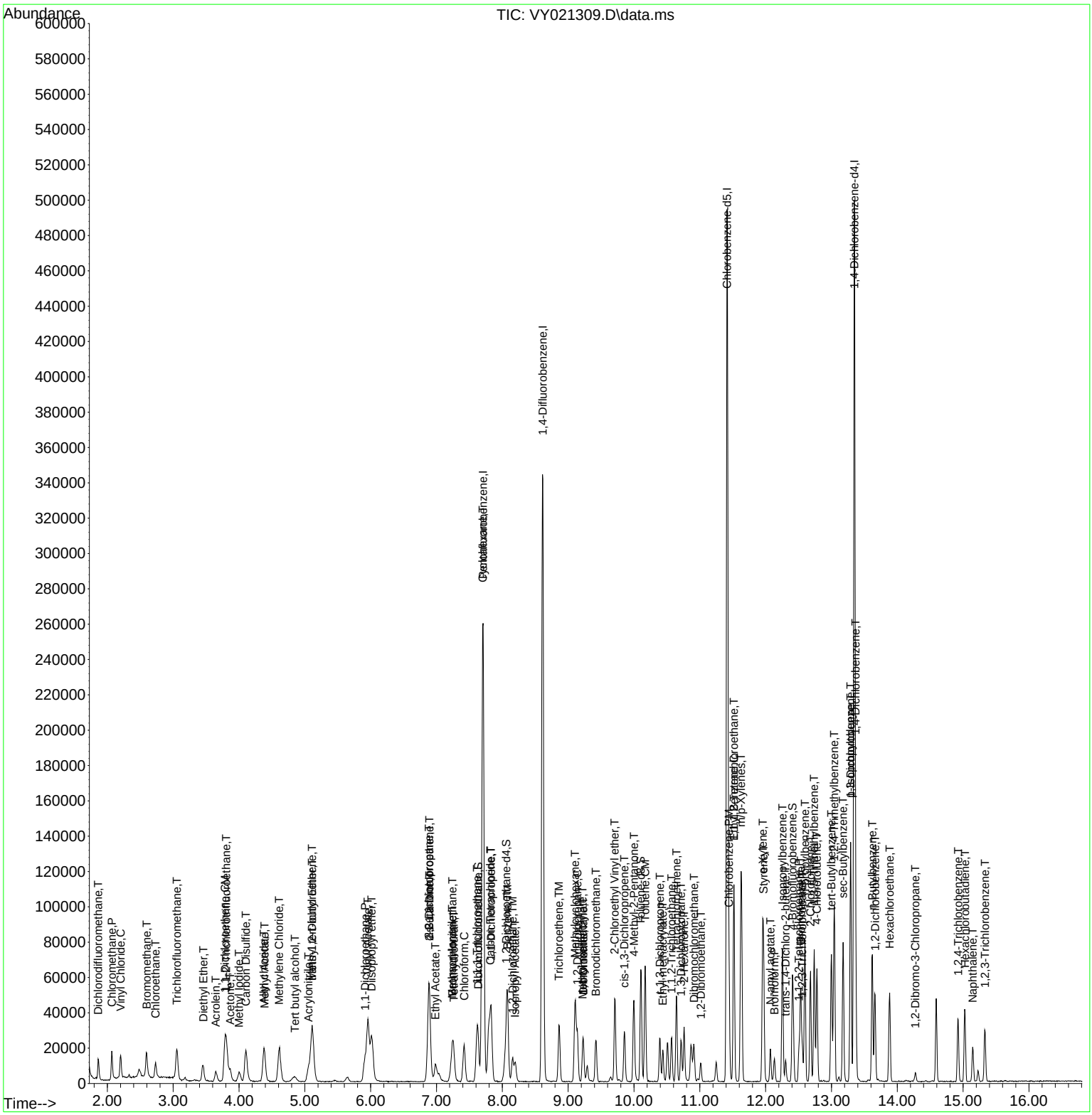
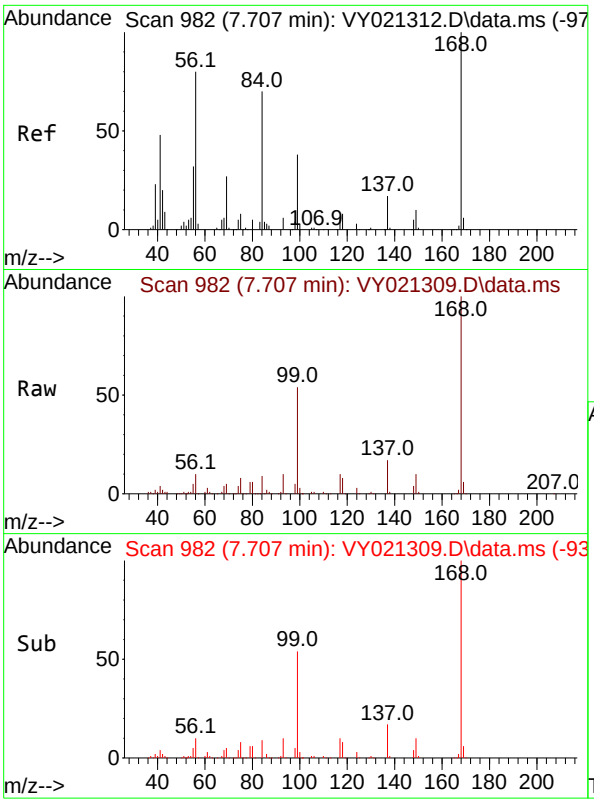
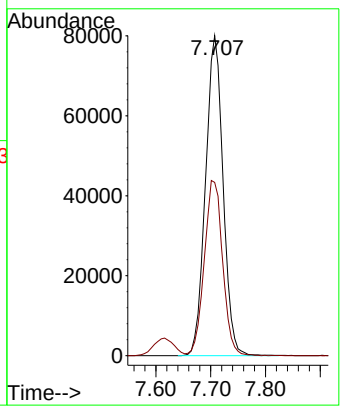




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:168 Resp: 17751

Ion	Ratio	Lower	Upper
168	100		
99	54.1	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
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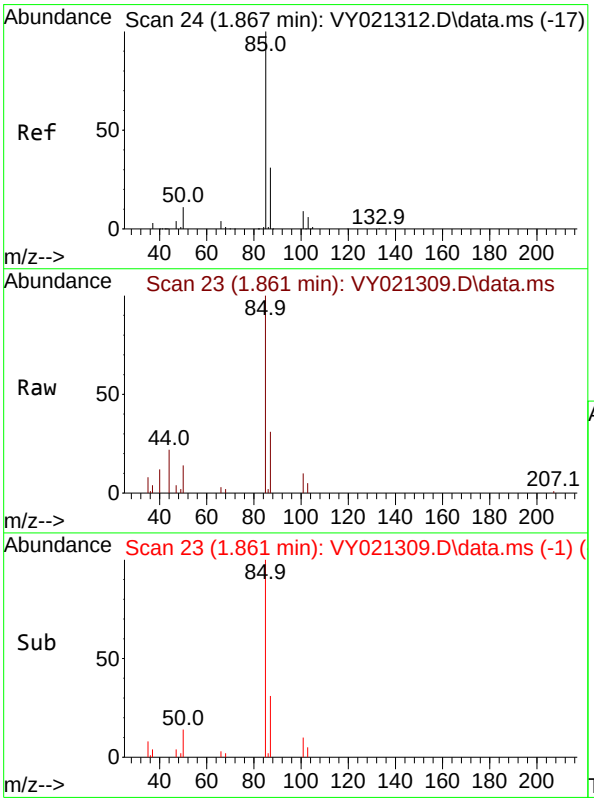
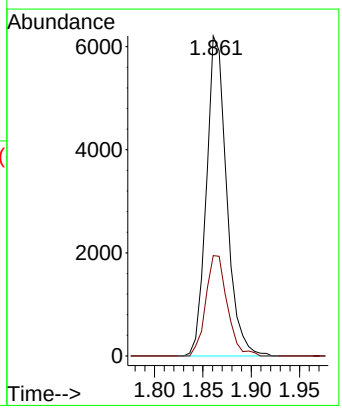
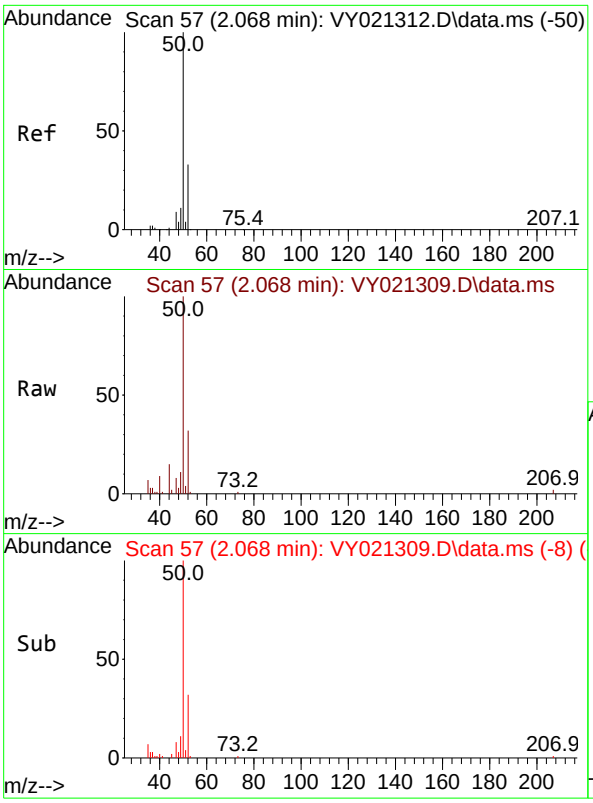


#2
Dichlorodifluoromethane
Concen: 5.374 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 85 Resp: 9045

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.4	46.4

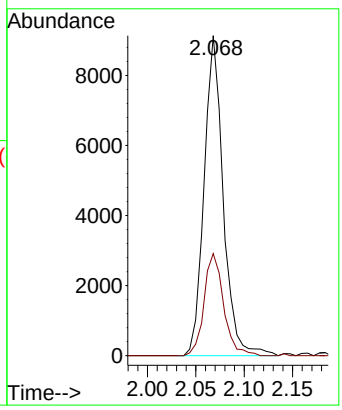




#3
Chloromethane
Concen: 5.793 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 50 Resp: 1259

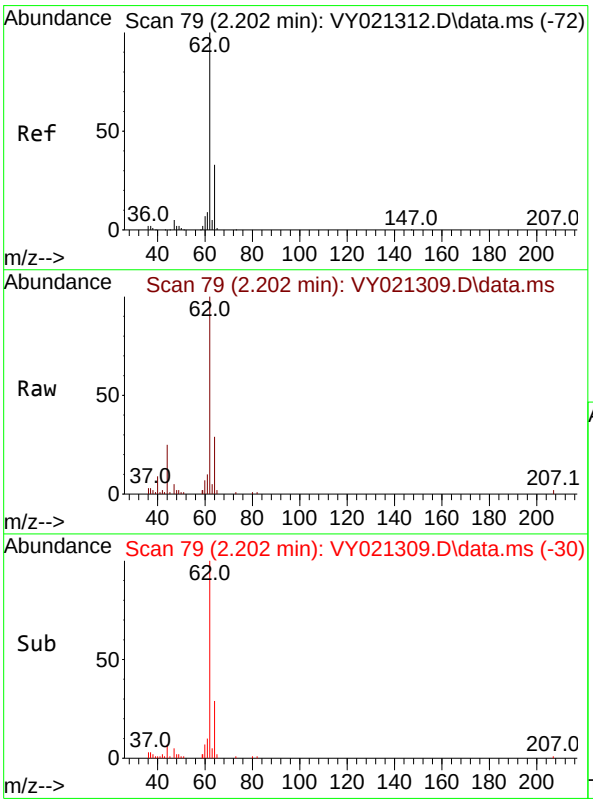
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

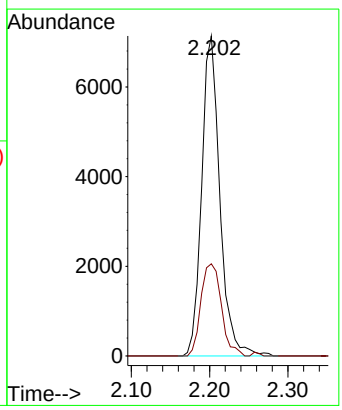
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

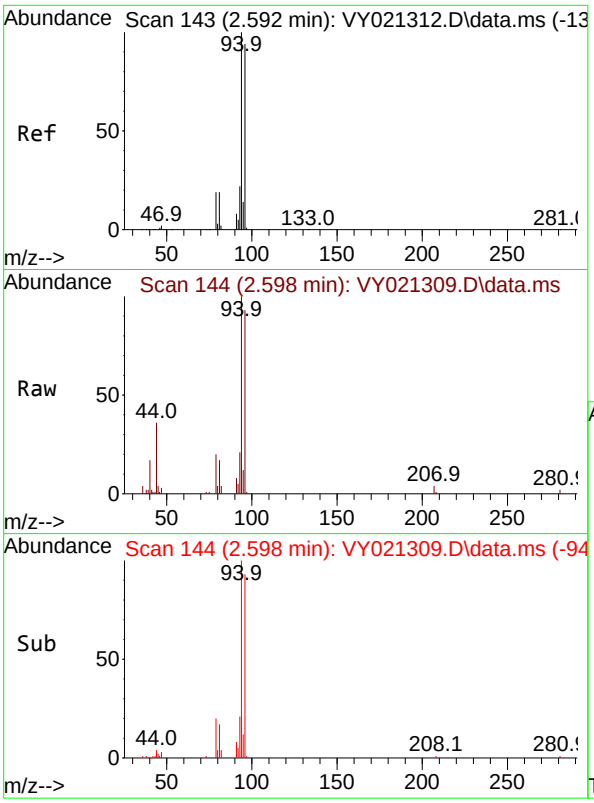


#4
Vinyl Chloride
Concen: 5.389 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 11497

Ion	Ratio	Lower	Upper
62	100		
64	28.8	26.3	39.5

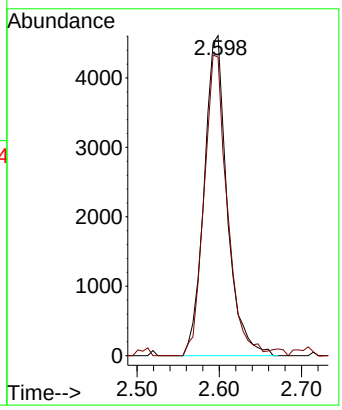




#5
Bromomethane
Concen: 6.321 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 94 Resp: 896

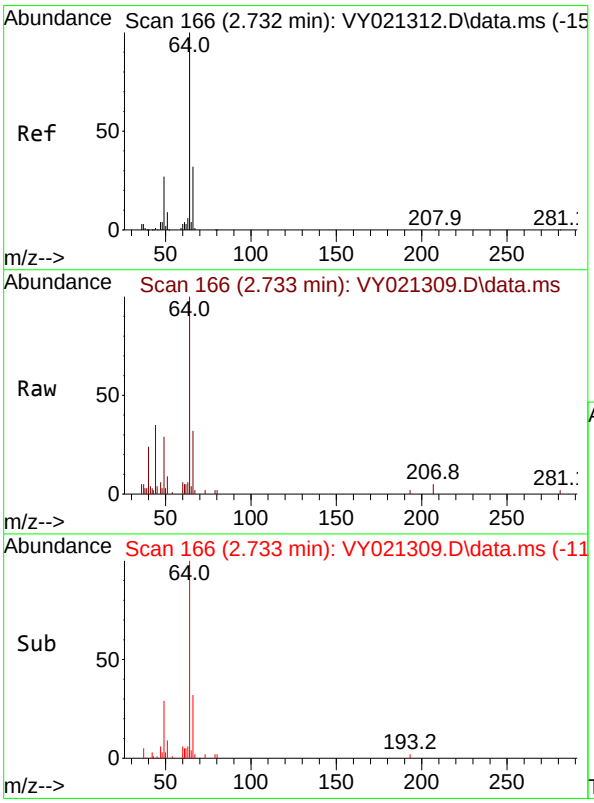
Ion	Ratio	Lower	Upper
94	100		
96	93.3	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

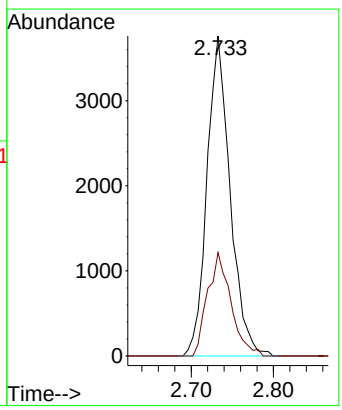
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

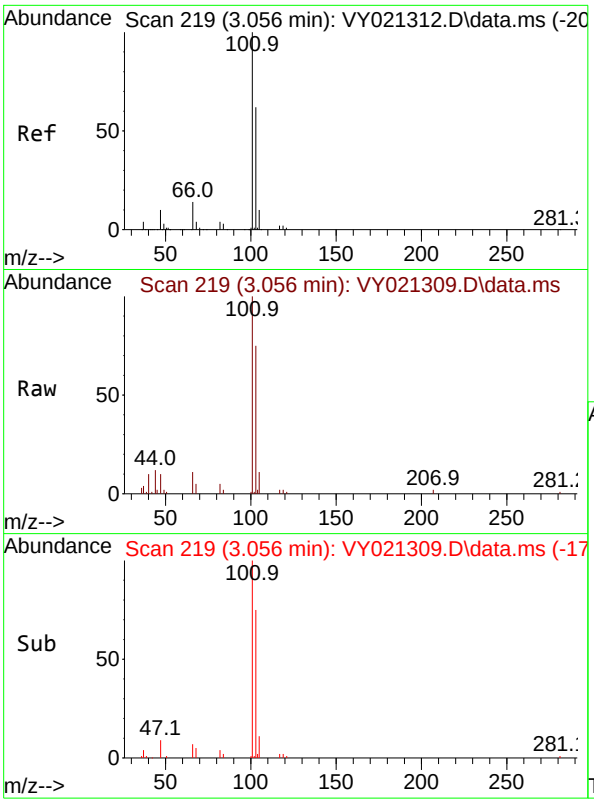


#6
Chloroethane
Concen: 5.556 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 64 Resp: 7351

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.4	38.0





#7
Trichlorofluoromethane
Concen: 5.375 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

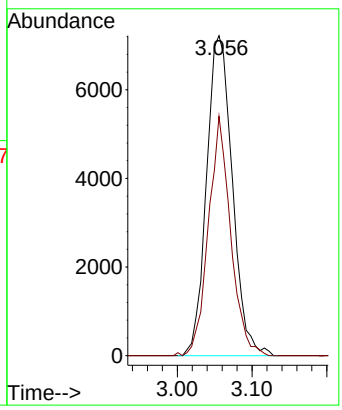
Tgt Ion:101 Resp: 1731

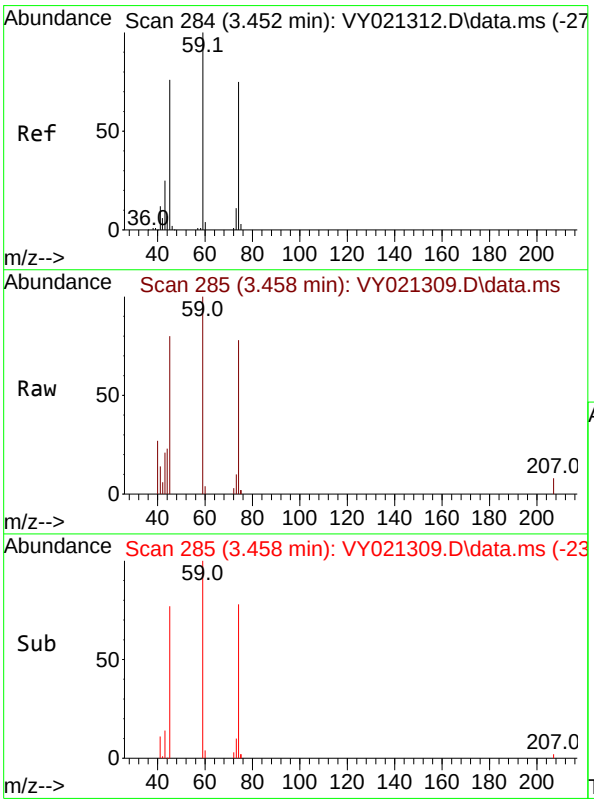
Ion	Ratio	Lower	Upper
101	100		
103	74.8	49.7	74.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

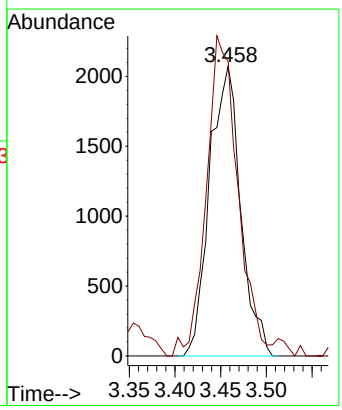


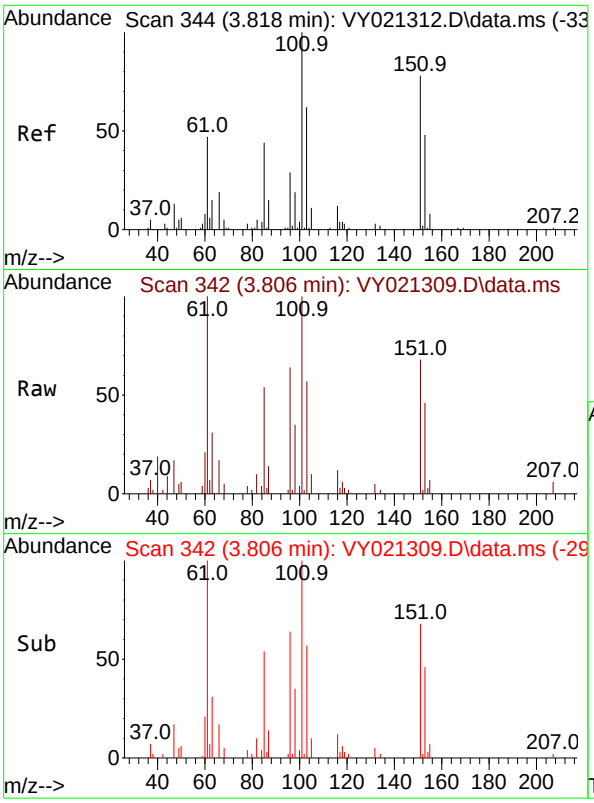


#8
Diethyl Ether
Concen: 5.064 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 74 Resp: 4897

Ion	Ratio	Lower	Upper
74	100		
45	111.5	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.193 ug/l
RT: 3.806 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

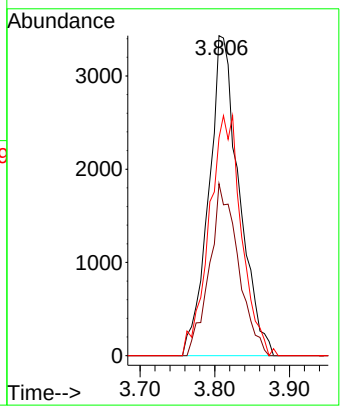
Tgt Ion:101 Resp: 968

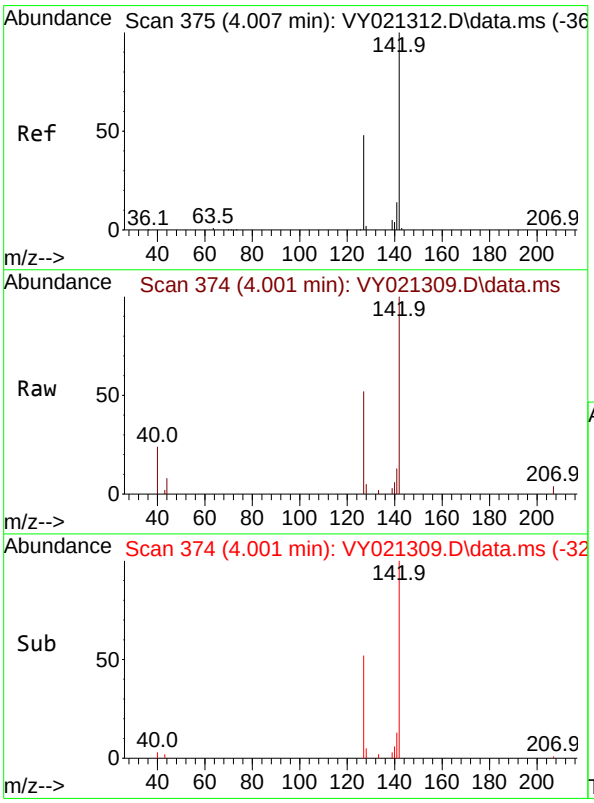
Ion	Ratio	Lower	Upper
101	100		
85	50.9	36.7	55.1
151	80.2	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

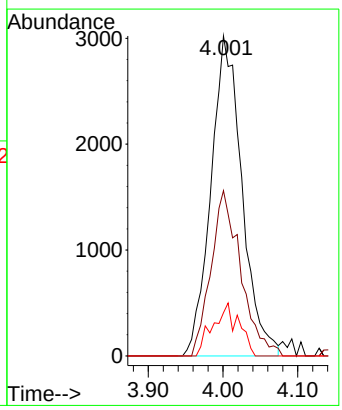


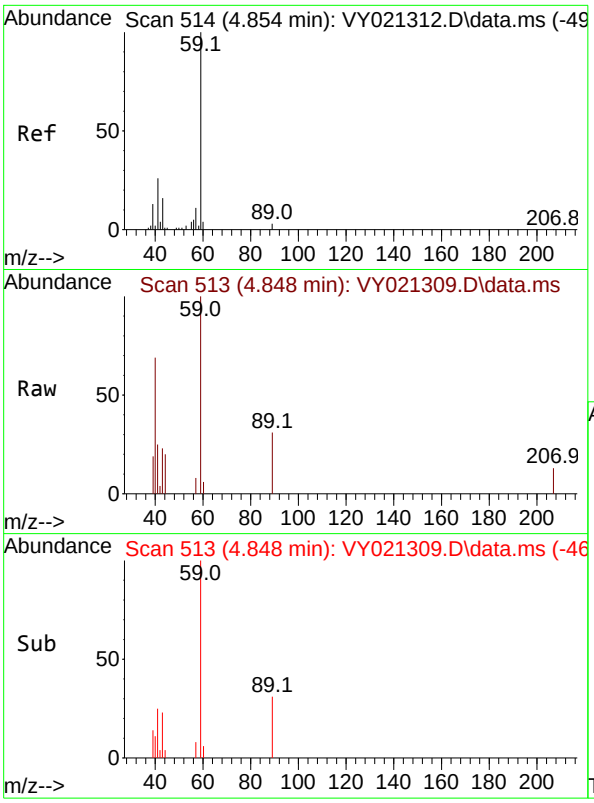


#10
Methyl Iodide
Concen: 4.447 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:142 Resp: 8728

Ion	Ratio	Lower	Upper
142	100		
127	49.6	39.2	58.8
141	13.8	11.4	17.2

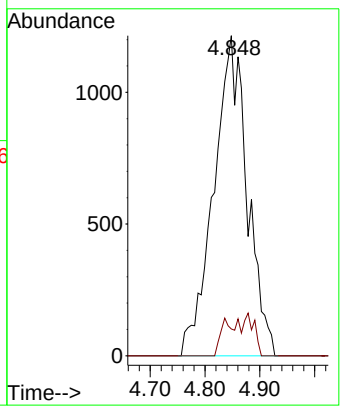




#11
Tert butyl alcohol
Concen: 33.345 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 59 Resp: 516

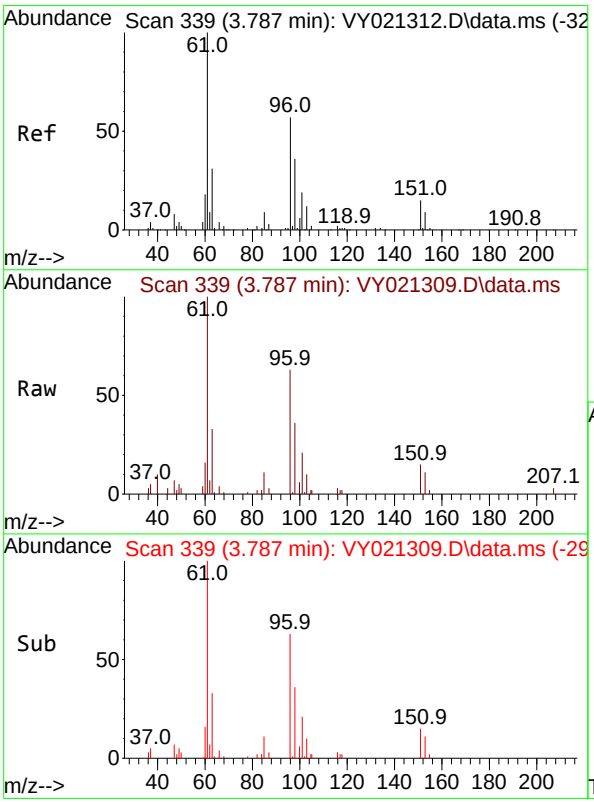
Ion	Ratio	Lower	Upper
59	100		
57	4.3	8.3	12.5#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

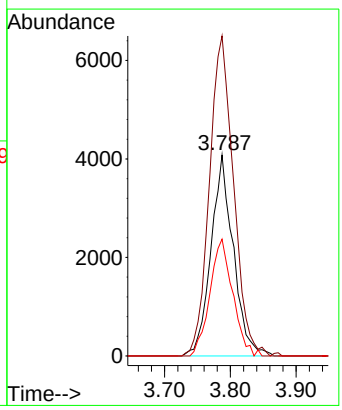
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

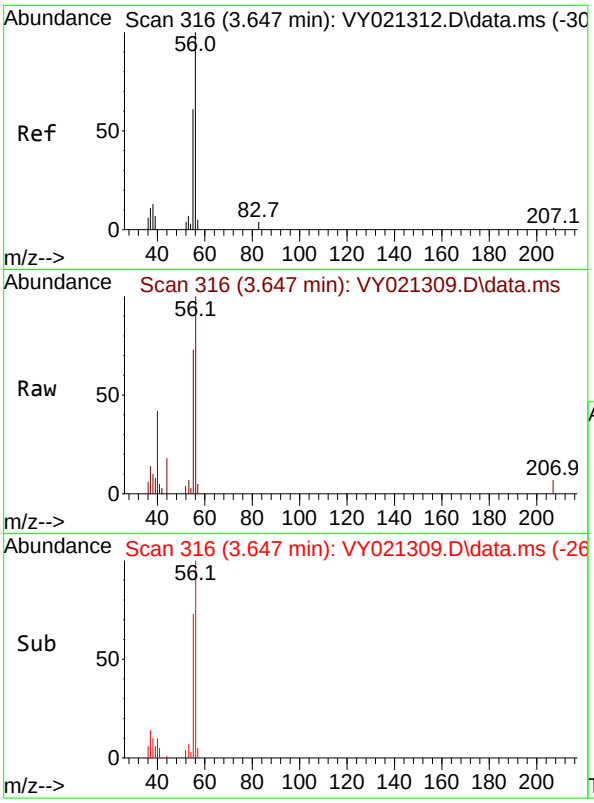


#12
1,1-Dichloroethene
Concen: 5.415 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 9671

Ion	Ratio	Lower	Upper
96	100		
61	159.2	139.7	209.5
98	58.1	49.7	74.5

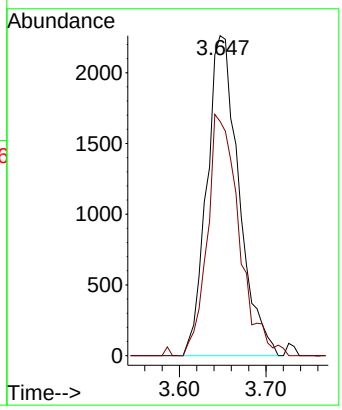




#13
Acrolein
Concen: 48.848 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 56 Resp: 579

Ion	Ratio	Lower	Upper
56	100		
55	74.8	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
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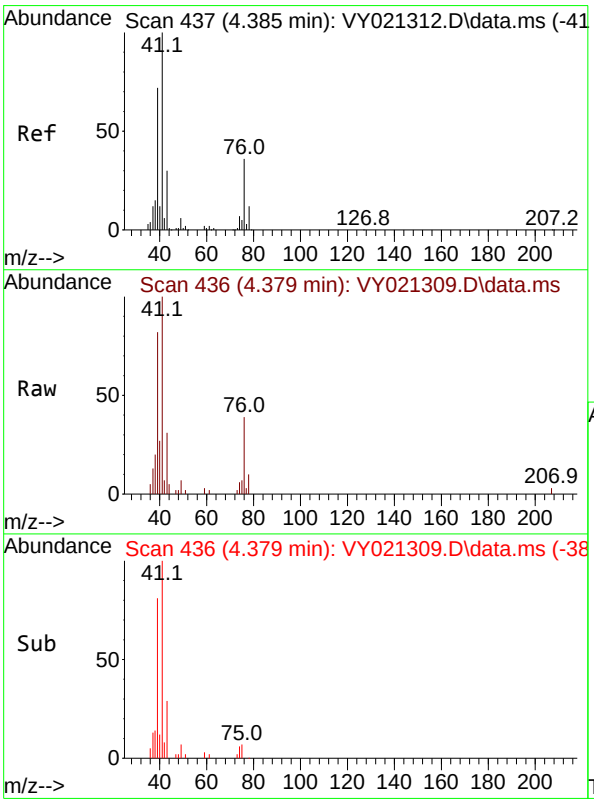
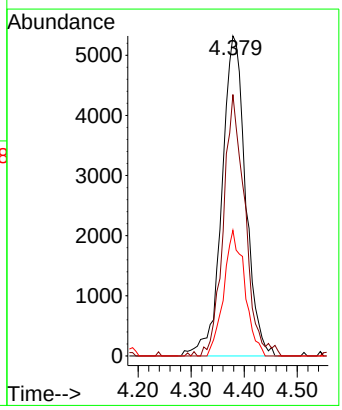
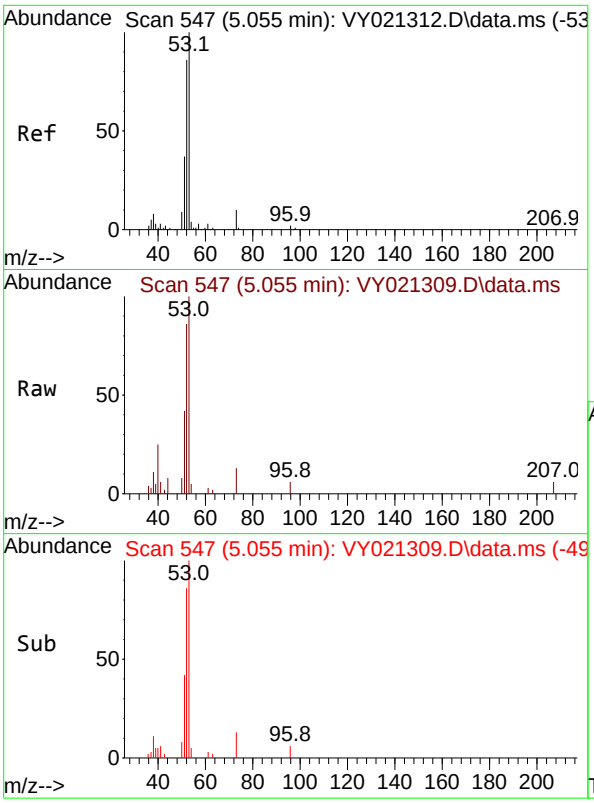


#14
Allyl chloride
Concen: 5.210 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 16498

Ion	Ratio	Lower	Upper
41	100		
39	74.4	60.0	90.0
76	34.9	29.0	43.6

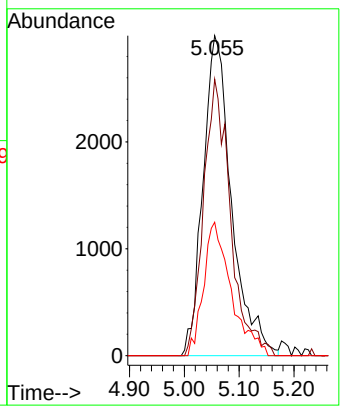




#15
Acrylonitrile
Concen: 25.330 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 53 Resp: 1083

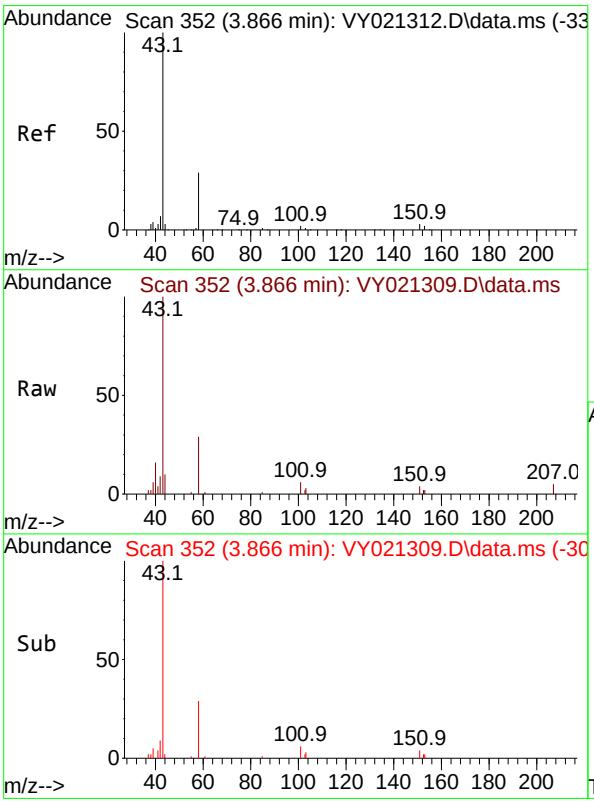
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.5	98.3
51	40.3	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

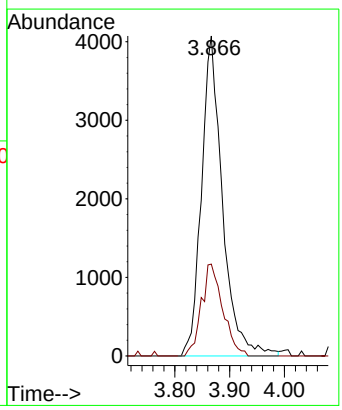
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

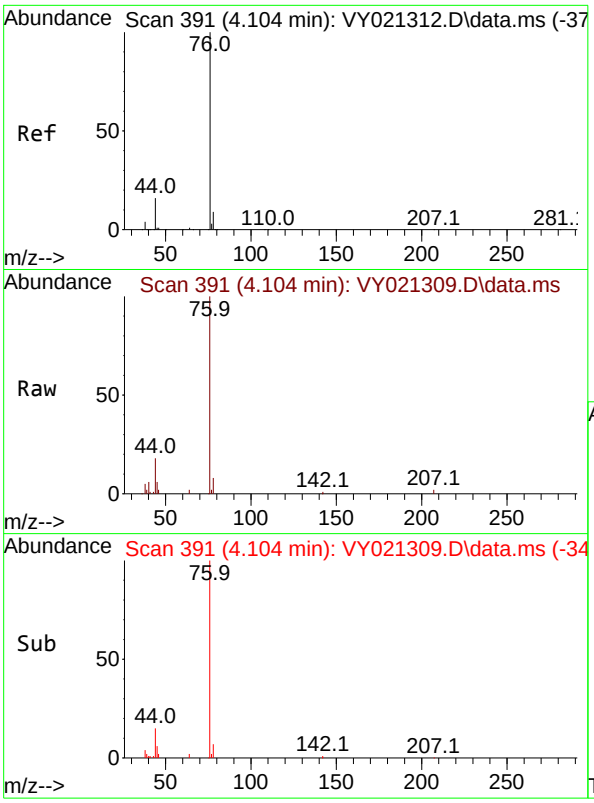


#16
Acetone
Concen: 28.018 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 10823

Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.5	35.3

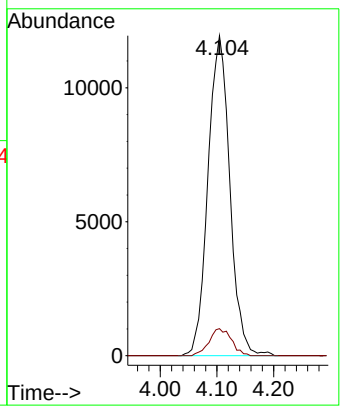




#17
Carbon Disulfide
Concen: 5.387 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 76 Resp: 3195

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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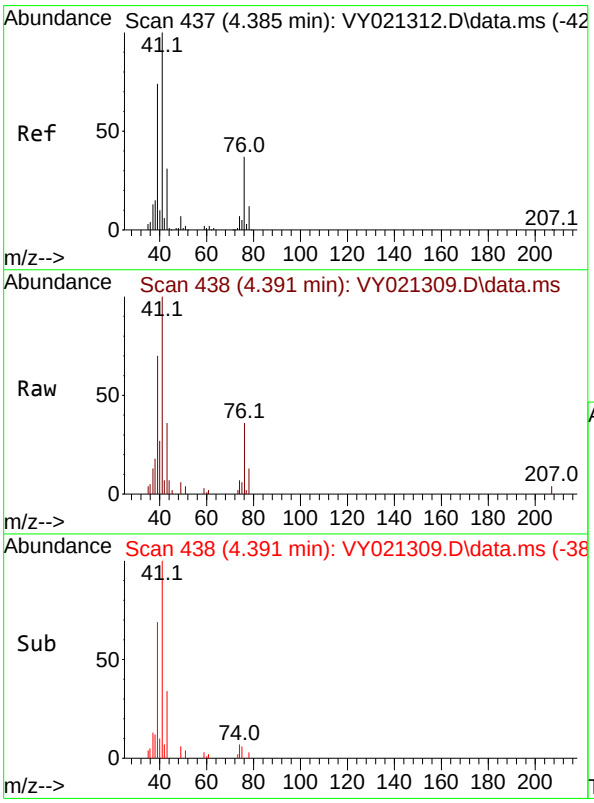
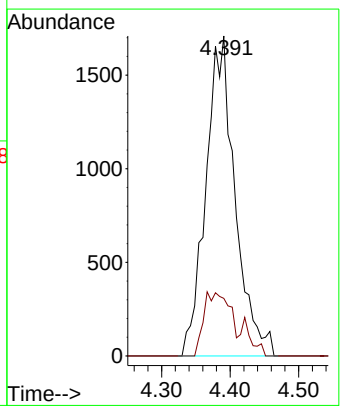
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

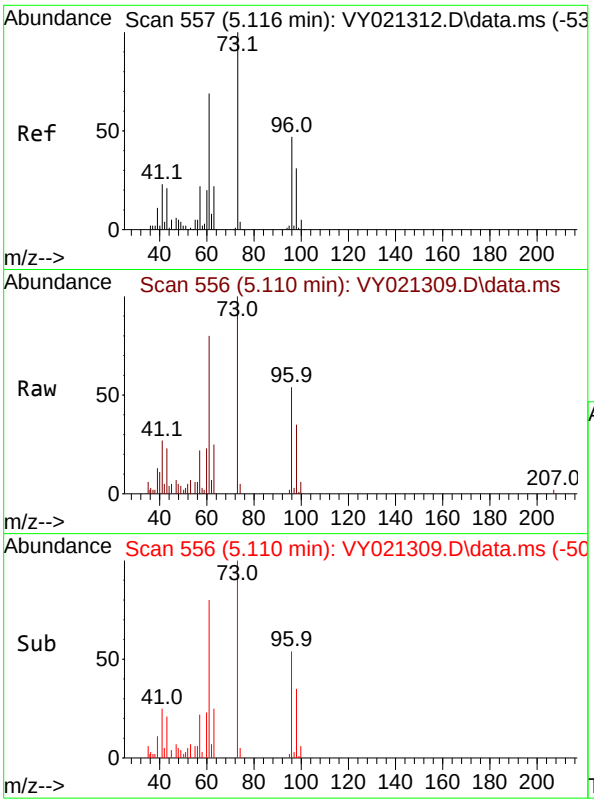


#18
Methyl Acetate
Concen: 5.362 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 5062

Ion	Ratio	Lower	Upper
43	100		
74	0.0	17.7	26.5#

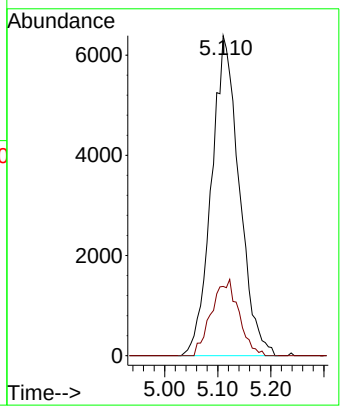




#19
Methyl tert-butyl Ether
Concen: 4.935 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 73 Resp: 2329

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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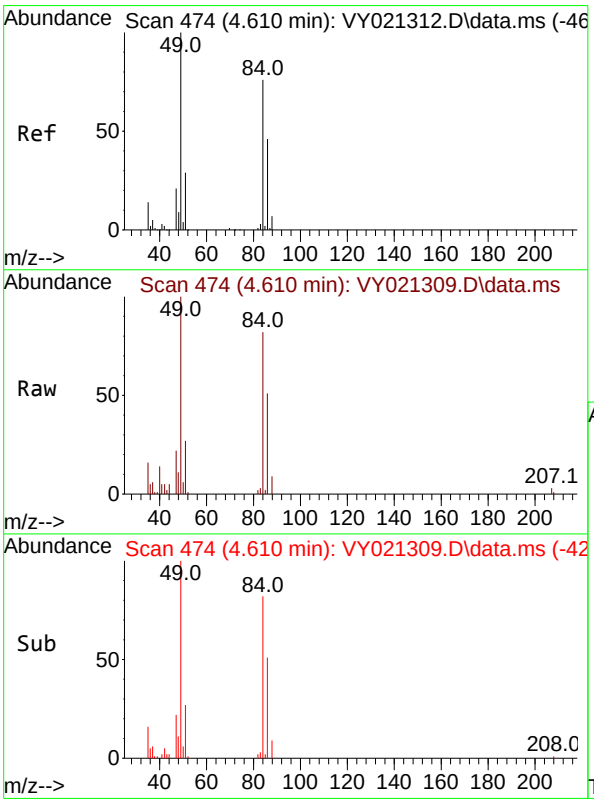
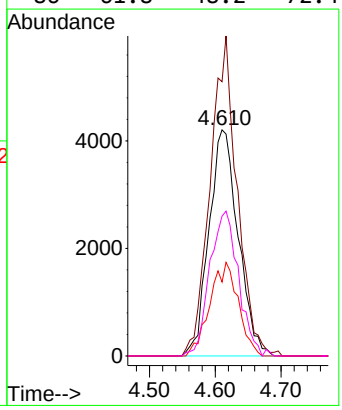
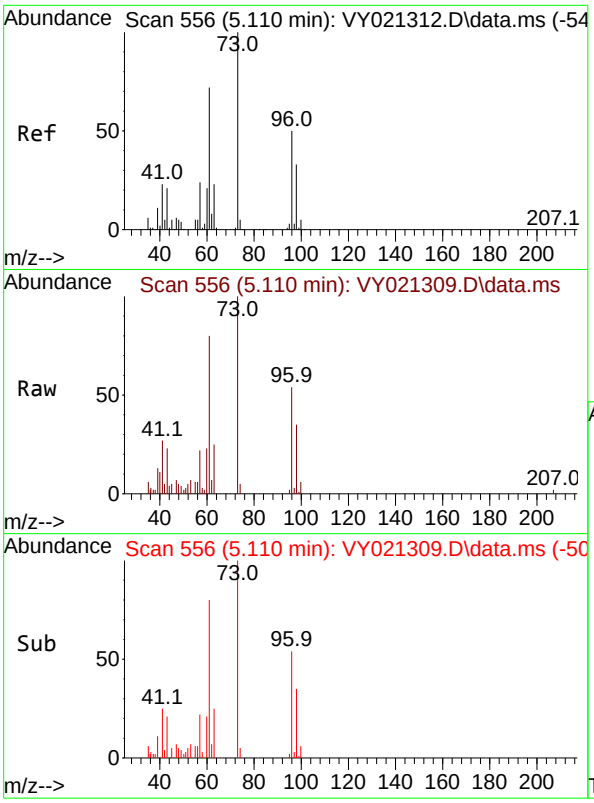


#20
Methylene Chloride
Concen: 6.225 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 84 Resp: 13003

Ion	Ratio	Lower	Upper
84	100		
49	121.3	105.1	157.7
51	32.7	31.0	46.4
86	61.8	48.2	72.4

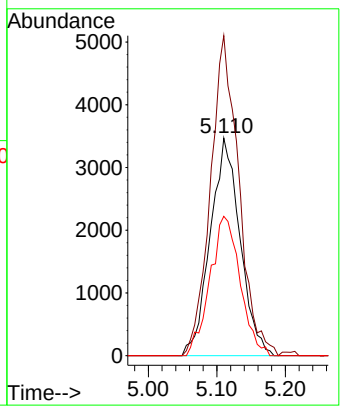




#21
trans-1,2-Dichloroethene
Concen: 5.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 1045

Ion	Ratio	Lower	Upper
96	100		
61	147.0	116.3	174.5
98	64.0	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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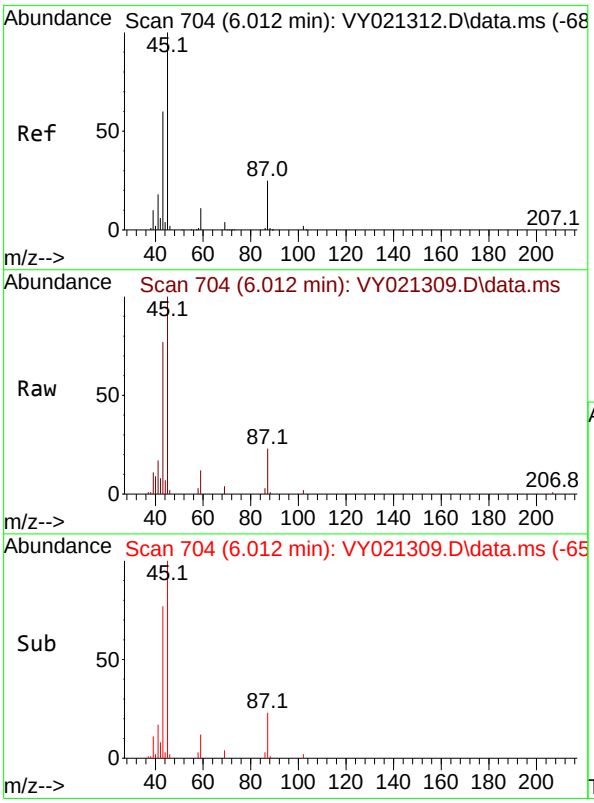
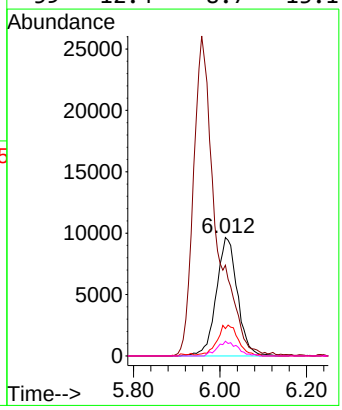
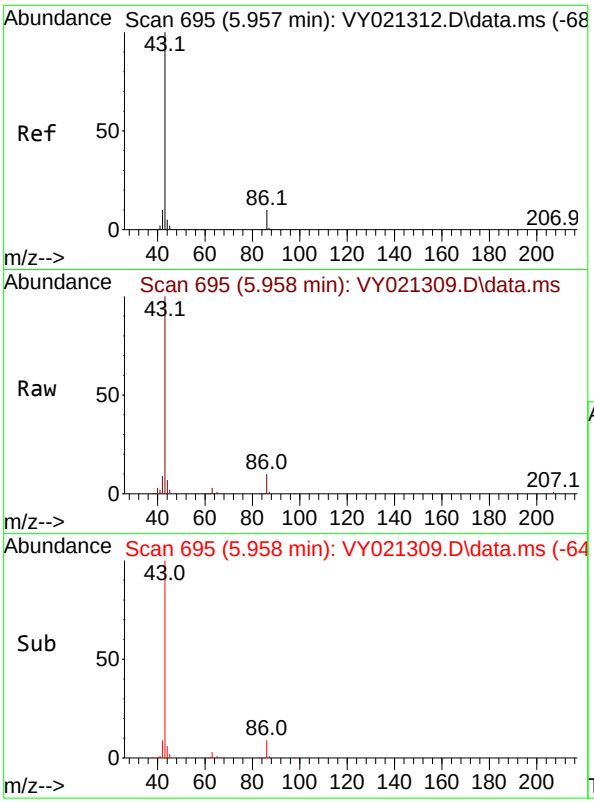


#22
Diisopropyl ether
Concen: 4.981 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 45 Resp: 32640

Ion	Ratio	Lower	Upper
45	100		
43	75.5	48.2	72.4#
87	23.1	20.3	30.5
59	12.4	8.7	13.1





#23
Vinyl Acetate
Concen: 24.067 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 9424

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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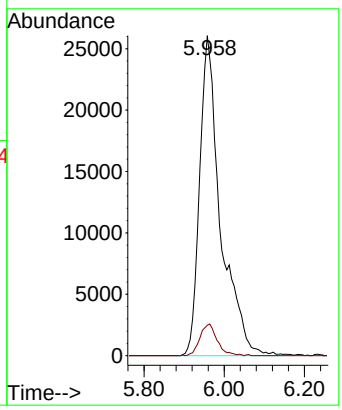
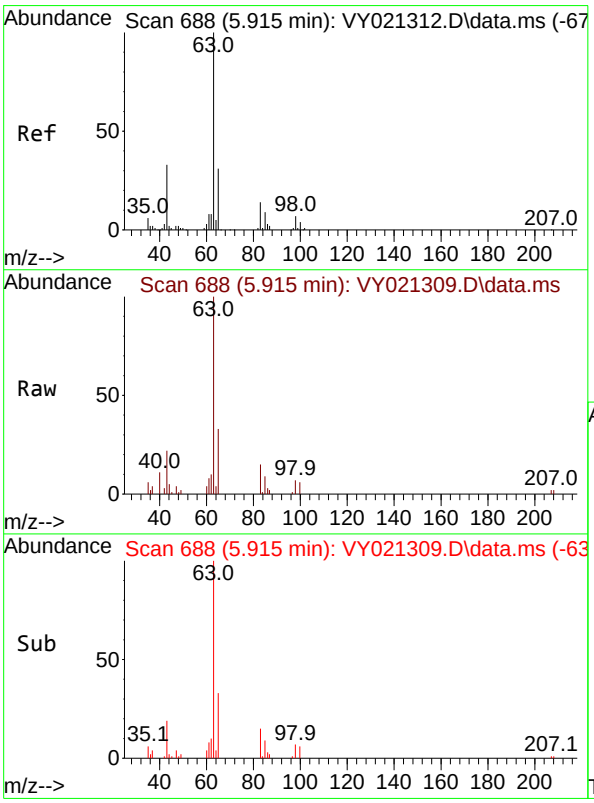
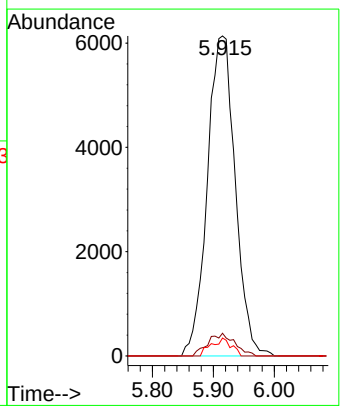


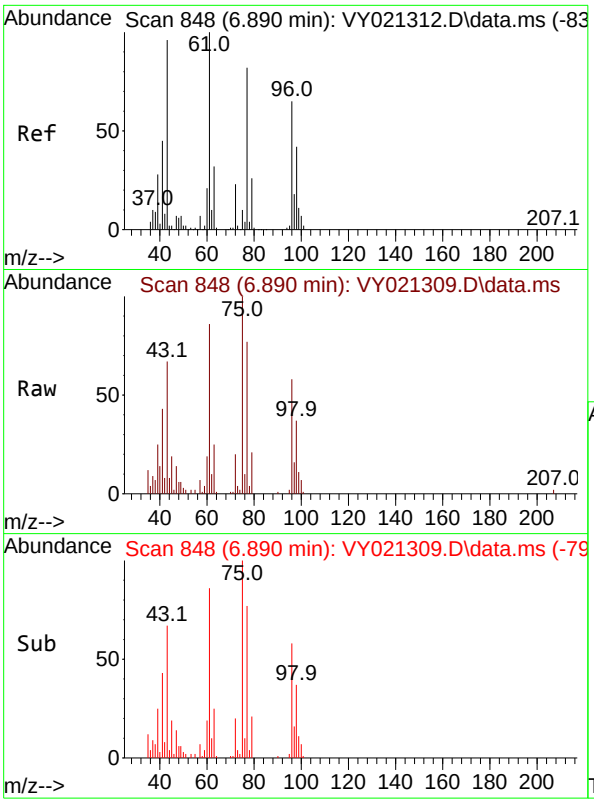


#24
1,1-Dichloroethane
Concen: 5.290 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 19538

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	5.6	2.1	6.5





#25
2-Butanone
Concen: 24.599 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 1434

Ion	Ratio	Lower	Upper
43	100		
72	29.6	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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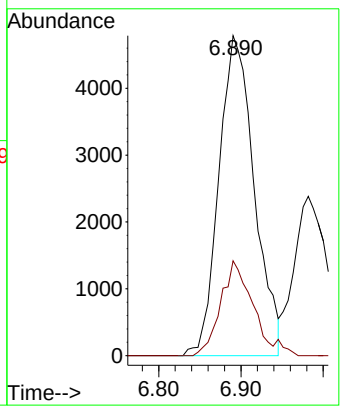
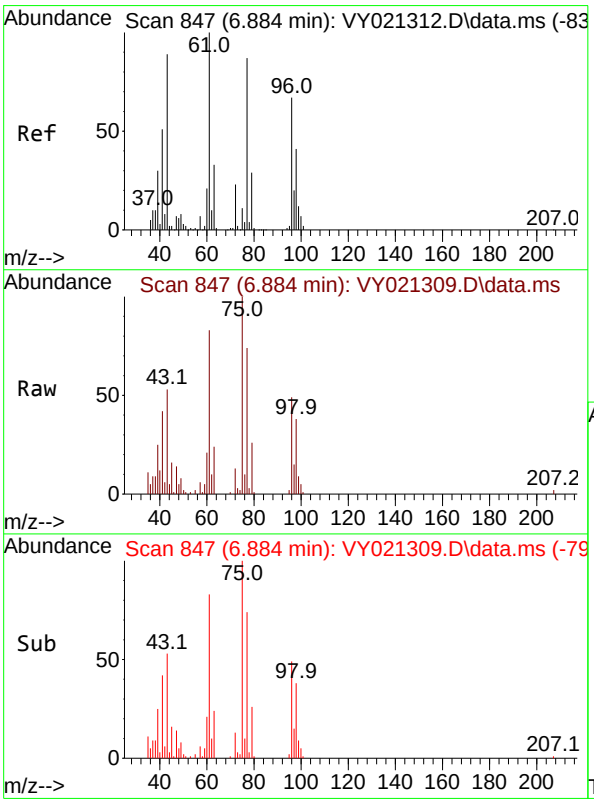
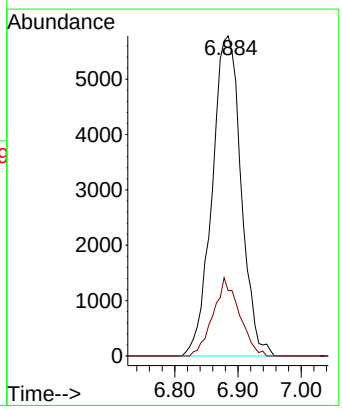


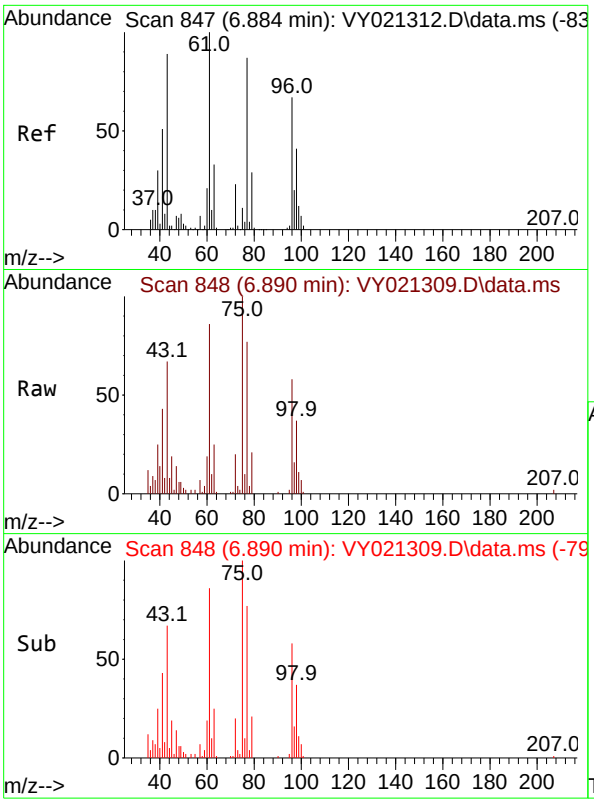


#26
2,2-Dichloropropane
Concen: 5.488 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 77 Resp: 18391

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7

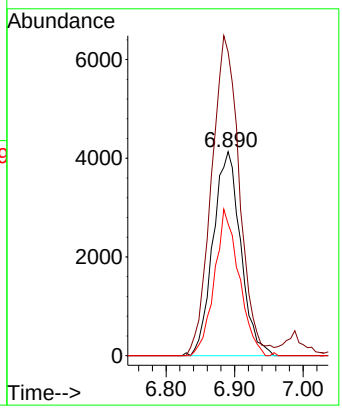




#27
cis-1,2-Dichloroethene
Concen: 5.132 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 1152

Ion	Ratio	Lower	Upper
96	100		
61	159.3	0.0	308.0
98	64.2	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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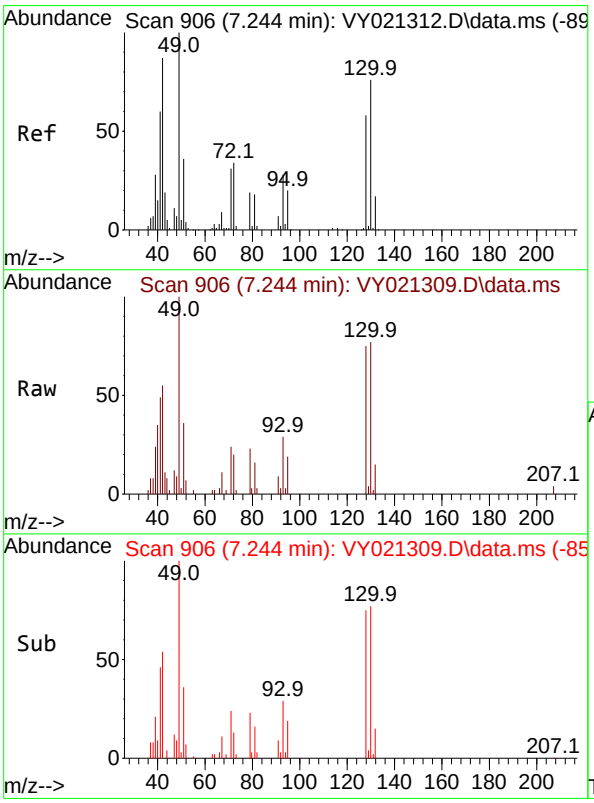
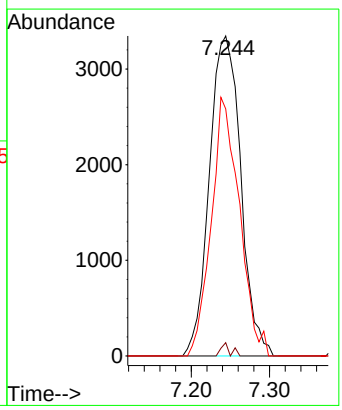
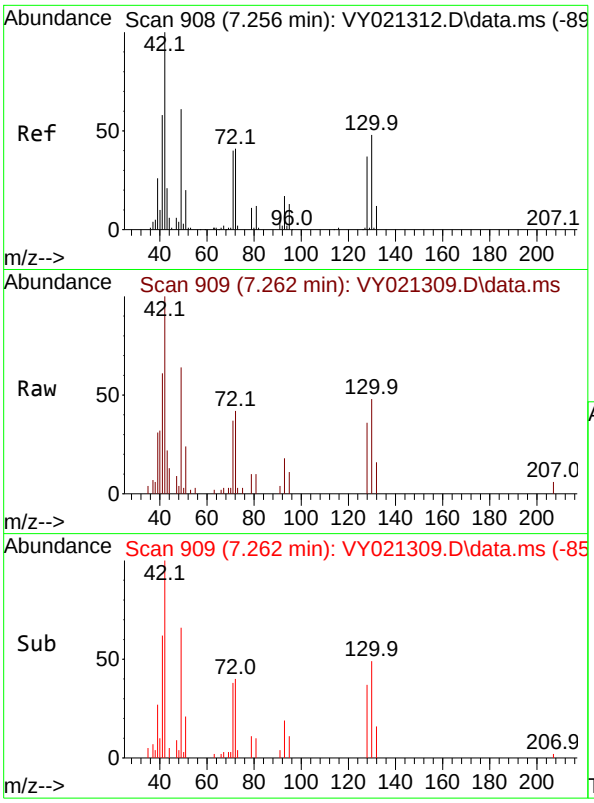


#28
Bromochloromethane
Concen: 5.702 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 49 Resp: 9318

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	72.6	57.8	86.6

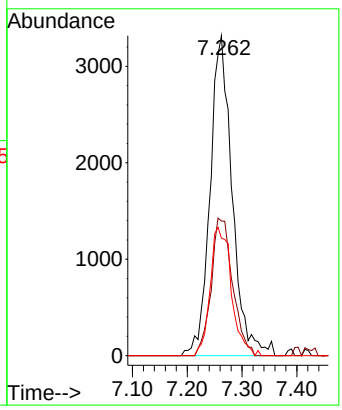




#29
Tetrahydrofuran
Concen: 24.455 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 42 Resp: 931

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.1	49.7
71	38.3	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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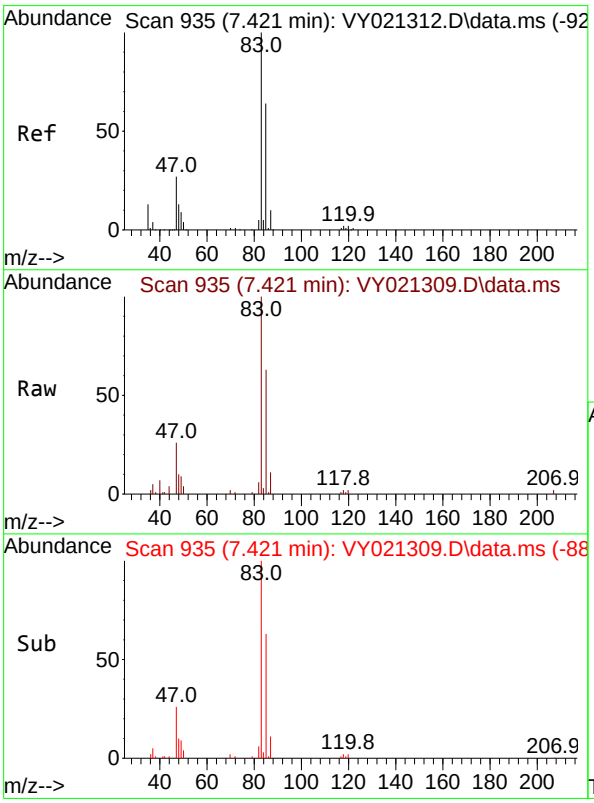
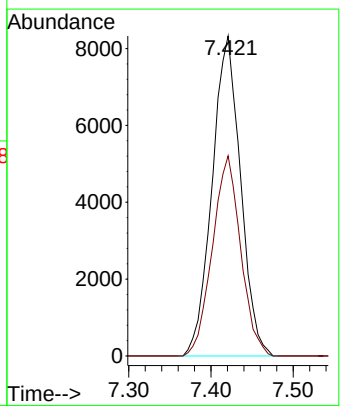
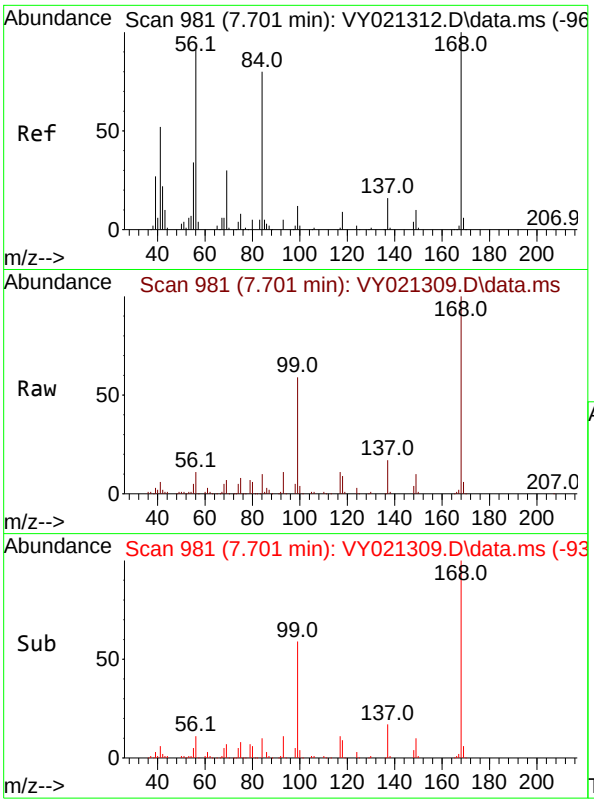


#30
Chloroform
Concen: 5.351 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 20025

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.6	77.4





#31
Cyclohexane
Concen: 5.912 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 56 Resp: 2099

Ion	Ratio	Lower	Upper
56	100		
69	57.9	26.2	39.4
84	90.3	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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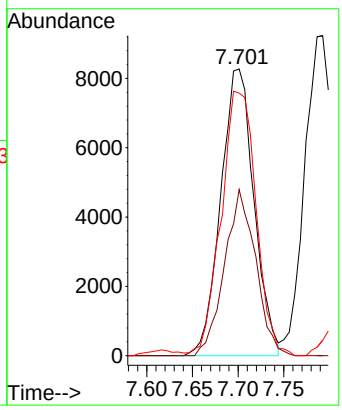
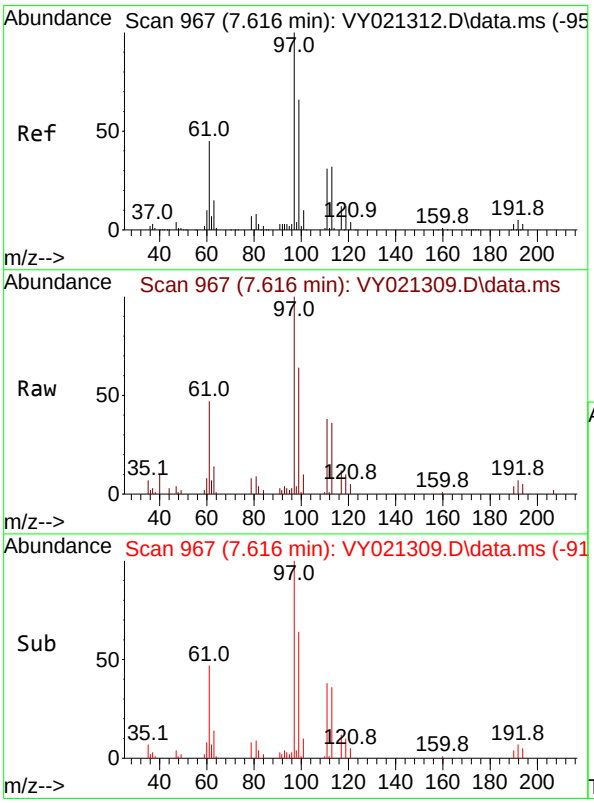
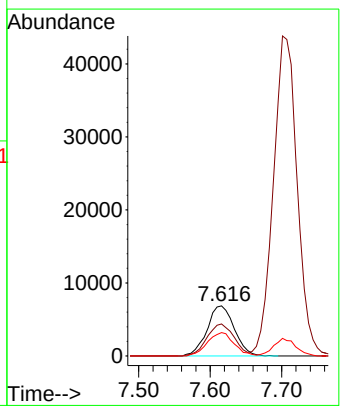


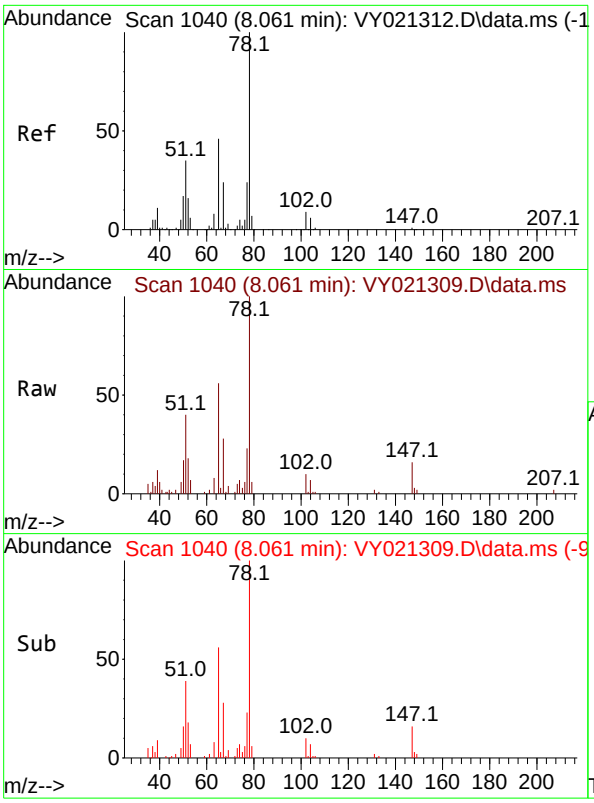


#32
1,1,1-Trichloroethane
Concen: 5.315 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 97 Resp: 18106

Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.4	78.6
61	45.7	36.2	54.2

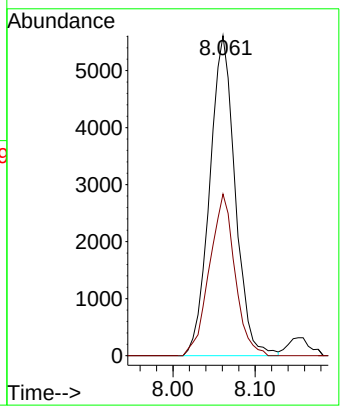




#33
1,2-Dichloroethane-d4
Concen: 6.003 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 65 Resp: 1208

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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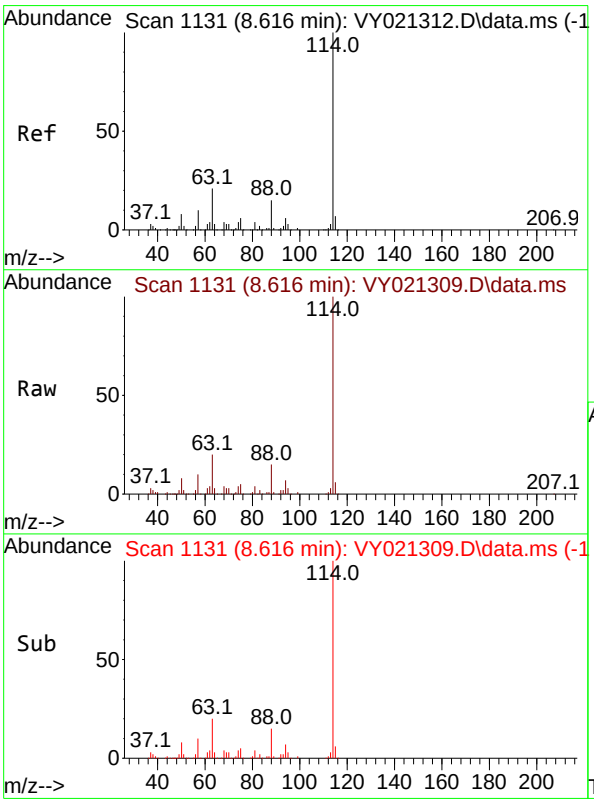
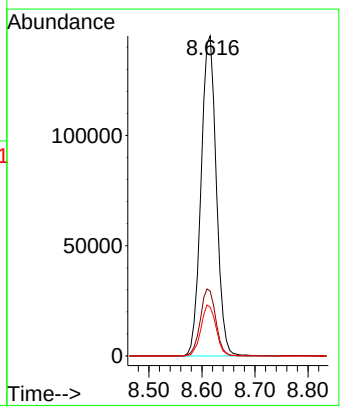
Supervised By :Mahesh Dadoda 02/26/2025

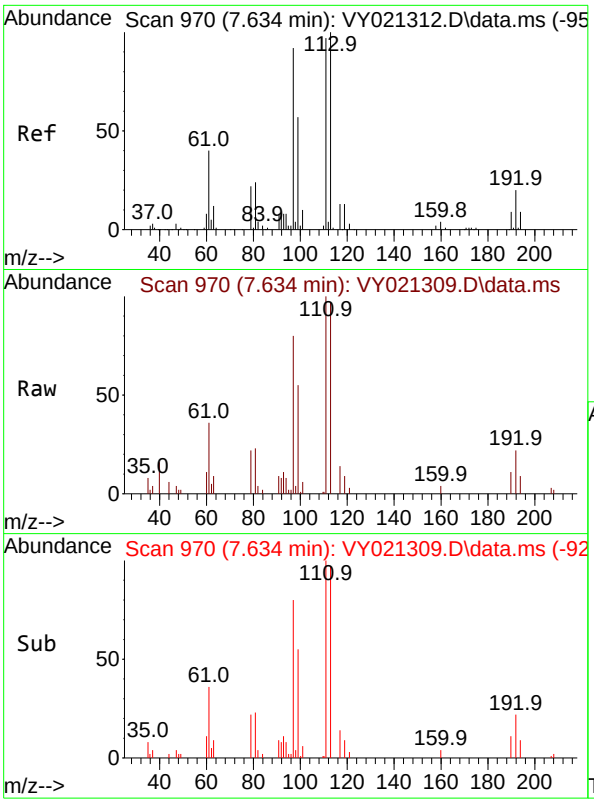


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:114 Resp: 289913

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.2
88	15.2	0.0	29.8

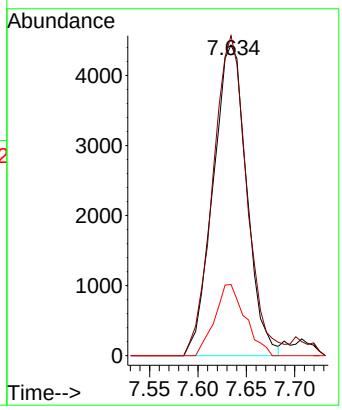




#35
Dibromofluoromethane
Concen: 5.637 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:113 Resp: 1071

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.0	121.6
192	20.8	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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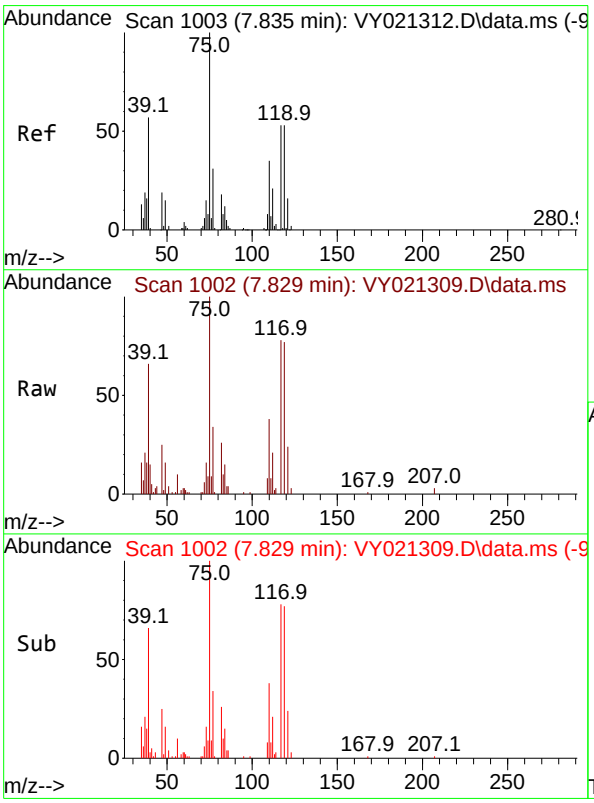
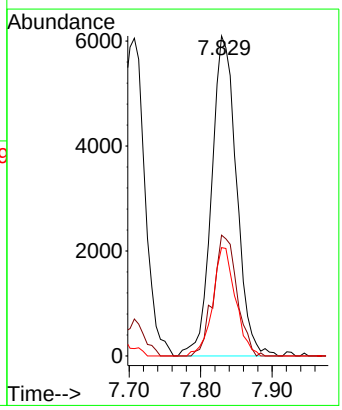
Supervised By :Mahesh Dadoda 02/26/2025

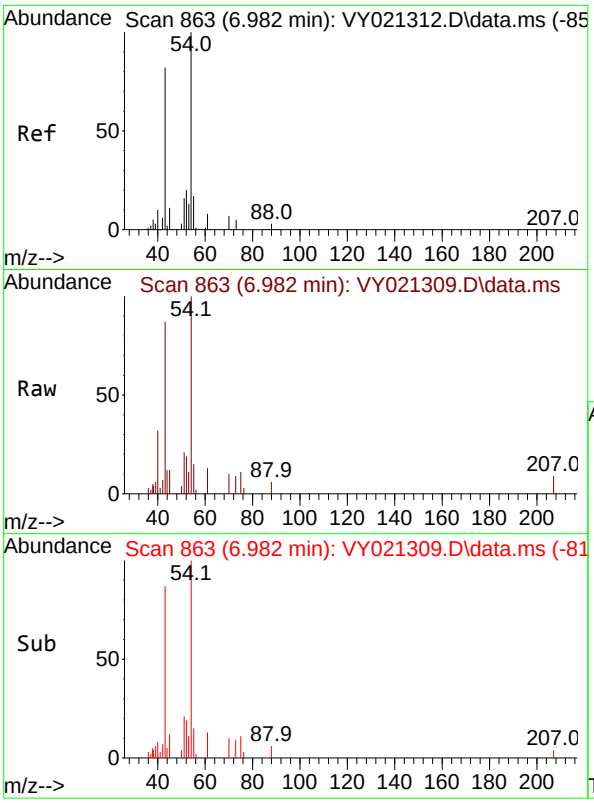


#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 14719

Ion	Ratio	Lower	Upper
75	100		
110	35.9	16.9	50.7
77	31.0	24.6	36.8

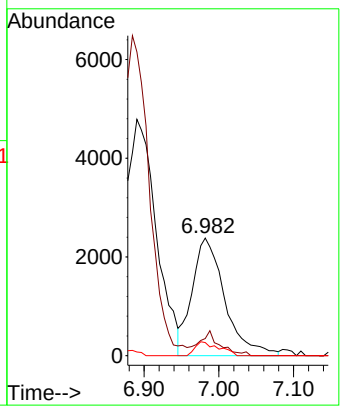




#37
Ethyl Acetate
Concen: 5.119 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 727

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	8.5	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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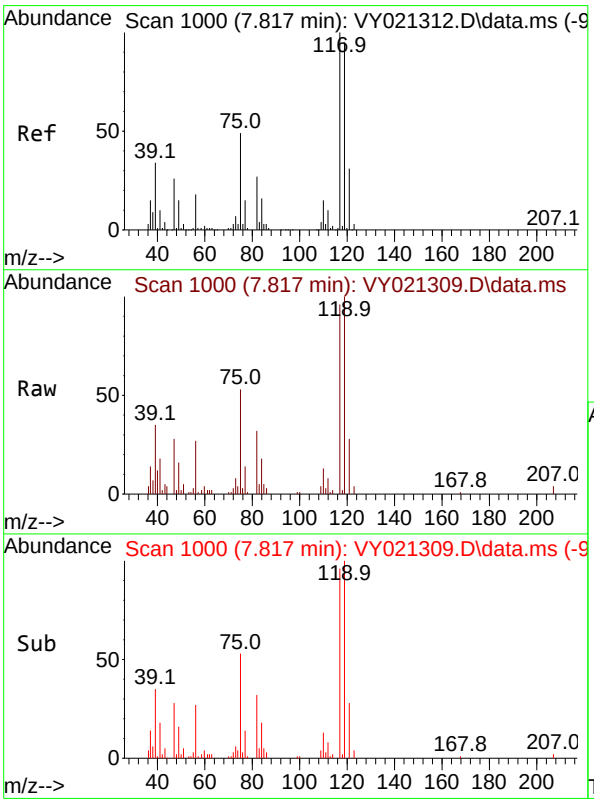
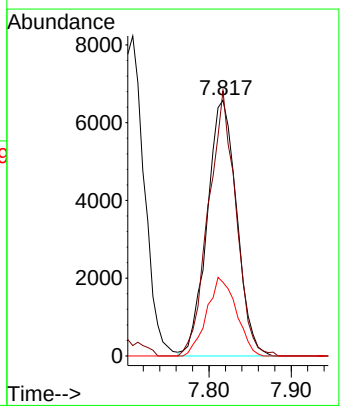
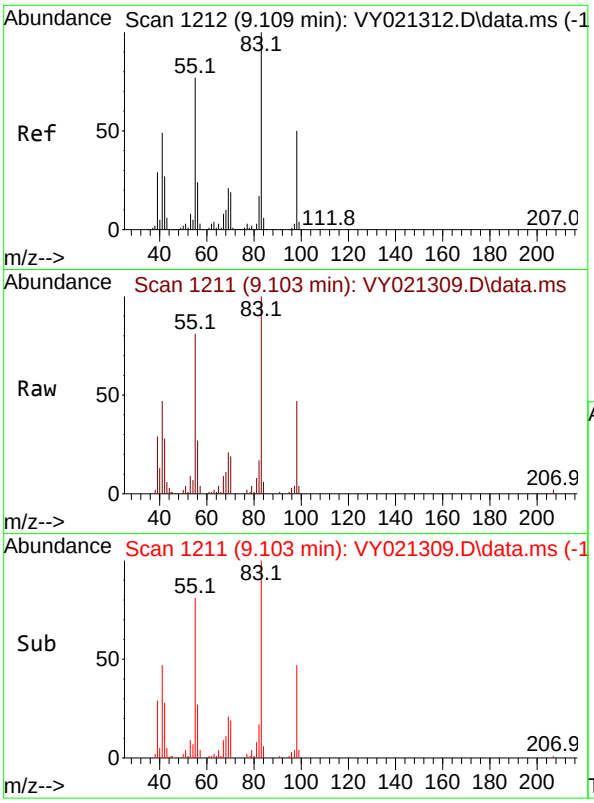


#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 16445

Ion	Ratio	Lower	Upper
117	100		
119	103.8	76.0	114.0
121	28.8	24.9	37.3





#39
Methylcyclohexane
Concen: 4.795 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 1731

Ion	Ratio	Lower	Upper
83	100		
55	80.9	61.3	91.9
98	47.2	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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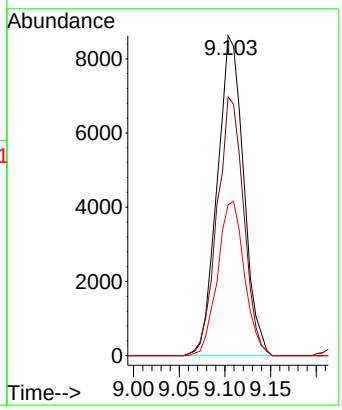
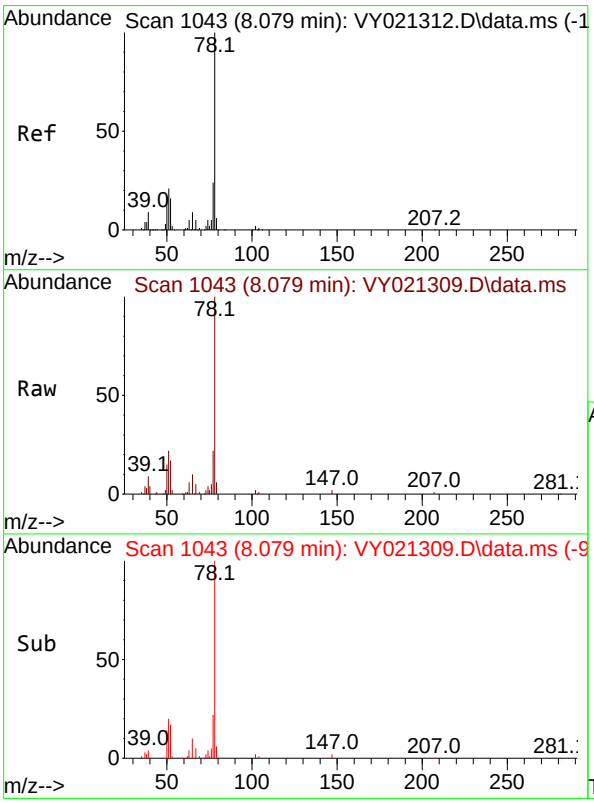
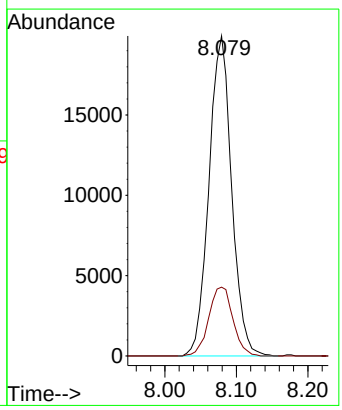


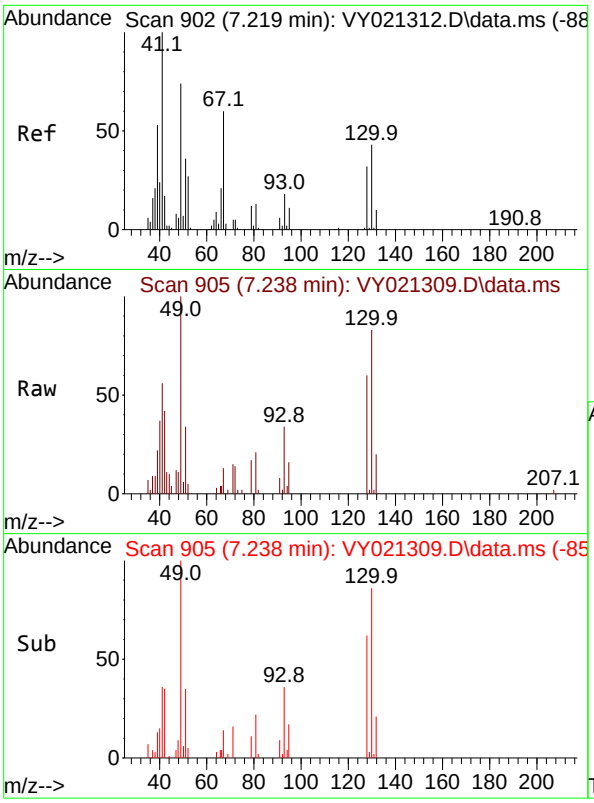


#40
Benzene
Concen: 5.203 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 78 Resp: 43912

Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.2	28.8

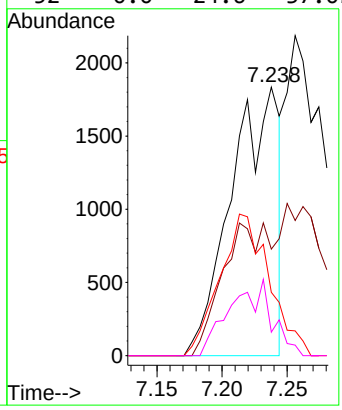




#41
Methacrylonitrile
Concen: 5.908 ug/l m
RT: 7.238 min Scan# 9
Delta R.T. 0.018 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 469

Ion	Ratio	Lower	Upper
41	100		
39	35.3	42.3	63.5#
67	54.1	54.8	82.2#
52	0.0	24.6	37.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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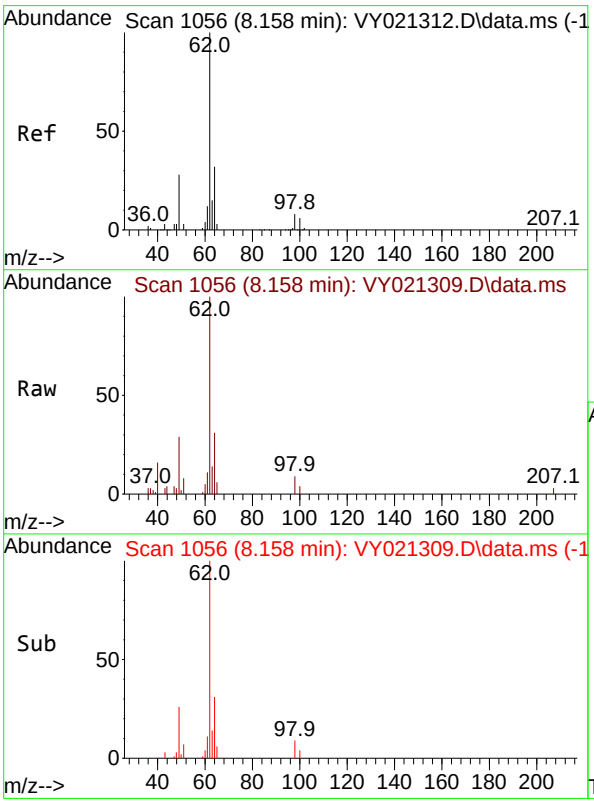
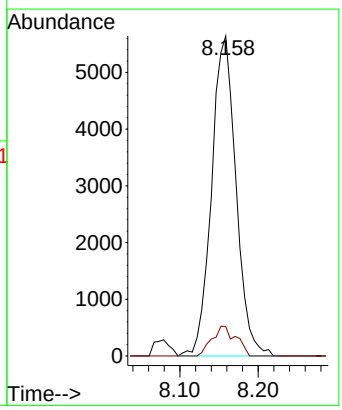
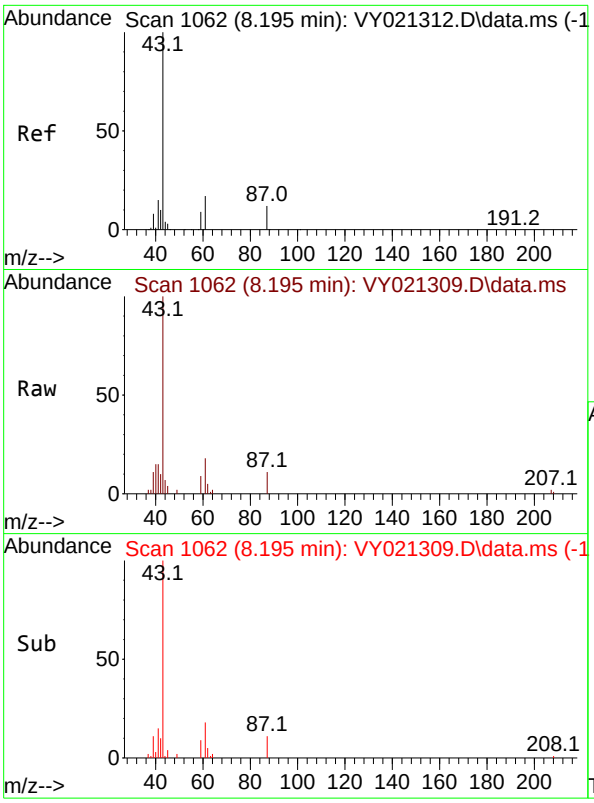


#42
1,2-Dichloroethane
Concen: 5.110 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 12236

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6

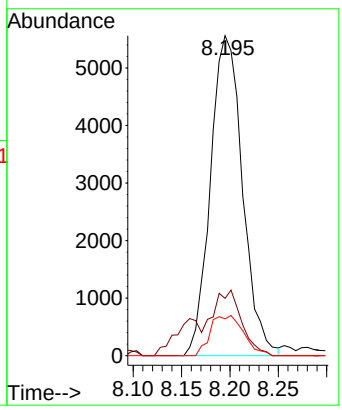




#43
Isopropyl Acetate
Concen: 4.668 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 1283

Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.0	22.6
87	13.0	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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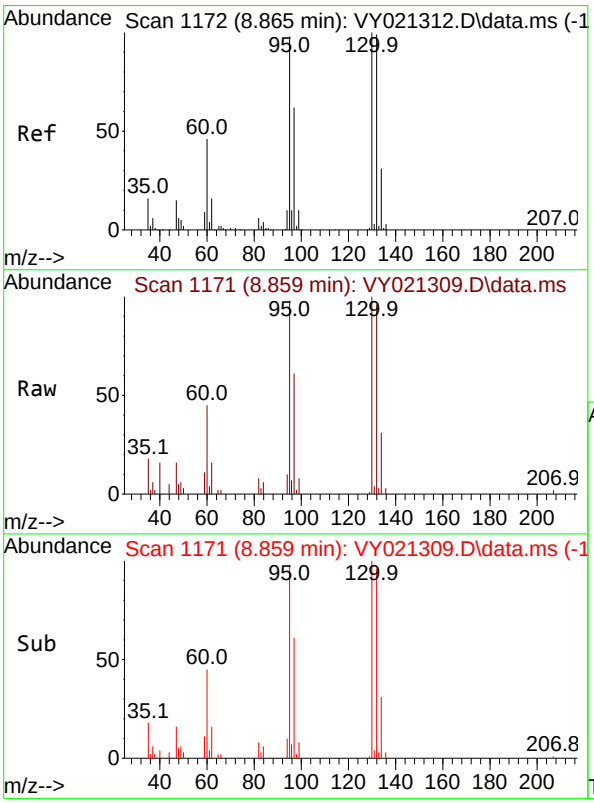
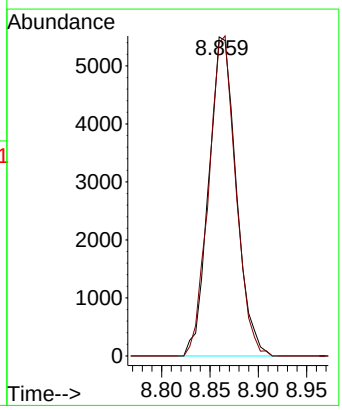
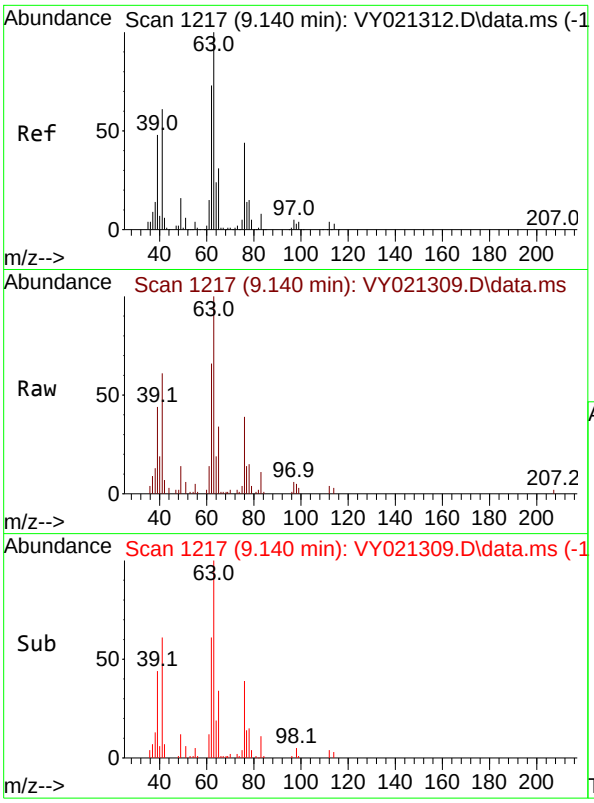


#44
Trichloroethene
Concen: 5.143 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:130 Resp: 10868

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	196.0

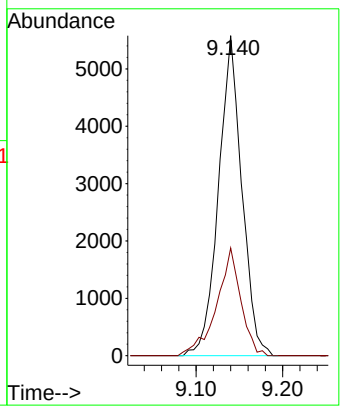




#45
1,2-Dichloropropane
Concen: 5.133 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 1042

Ion	Ratio	Lower	Upper
63	100		
65	33.6	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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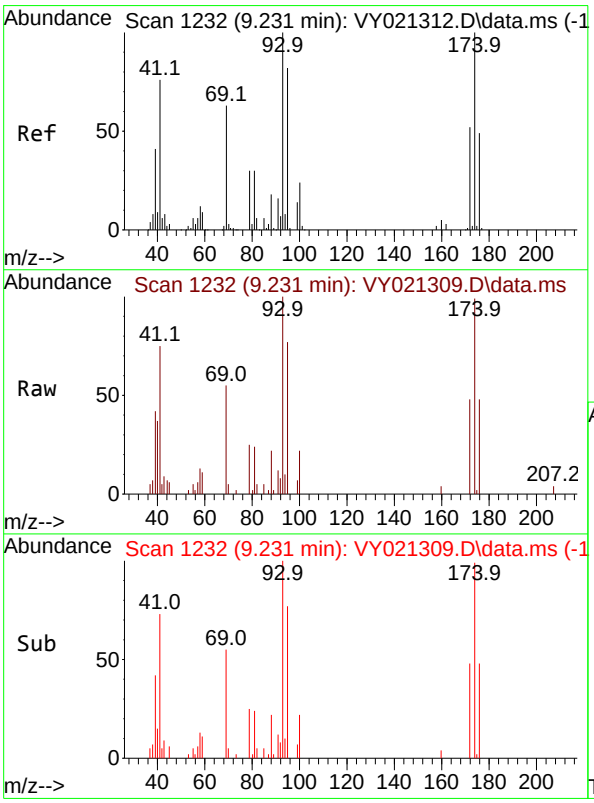
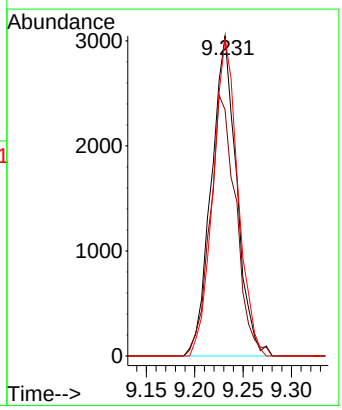
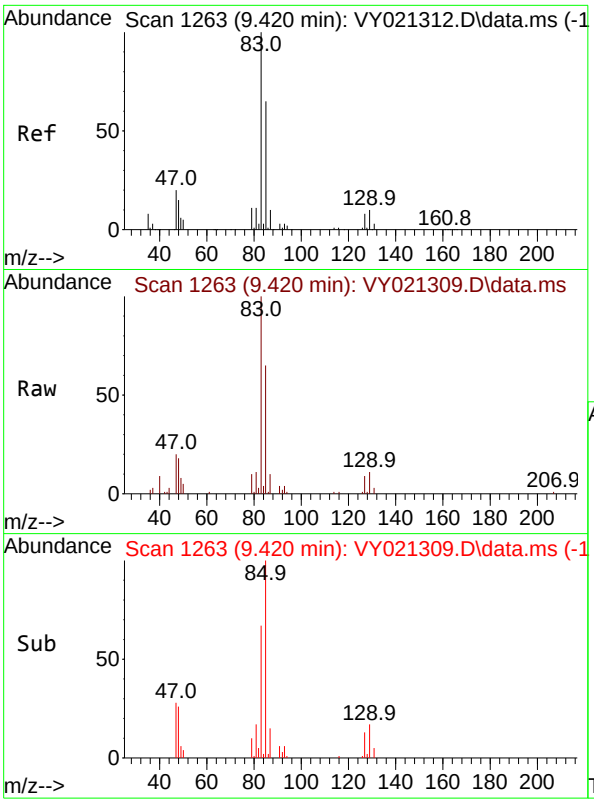


#46
Dibromomethane
Concen: 5.005 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 93 Resp: 5557

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	97.3	78.2	117.2

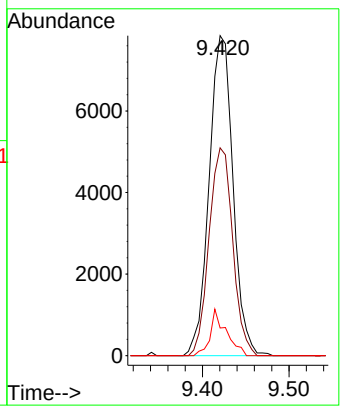




#47
Bromodichloromethane
Concen: 5.081 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 1504

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8
127	8.7	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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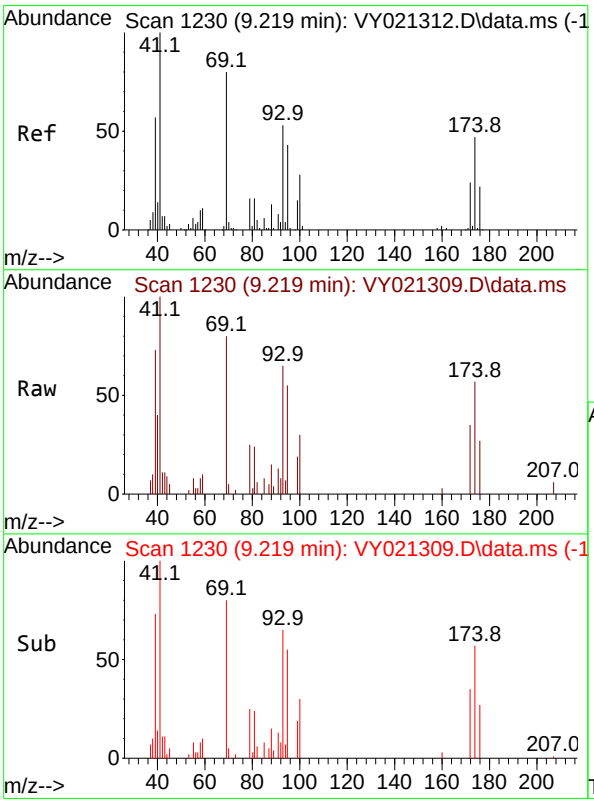
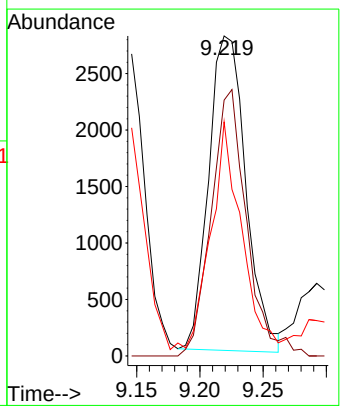
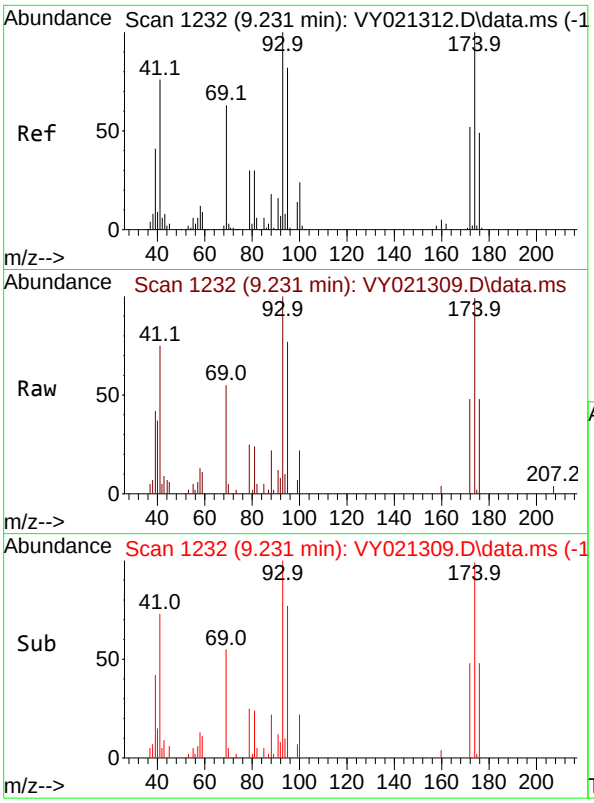


#48
Methyl methacrylate
Concen: 4.433 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 5698

Ion	Ratio	Lower	Upper
41	100		
69	80.6	63.3	94.9
39	62.7	45.0	67.6

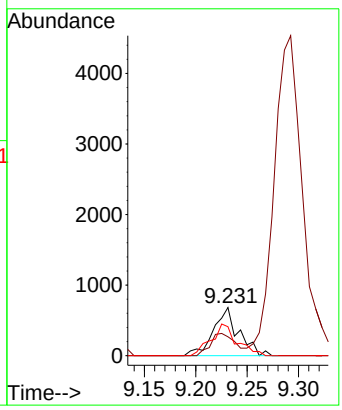




#49
1,4-Dioxane
Concen: 94.292 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 88 Resp: 116

Ion	Ratio	Lower	Upper
88	100		
43	43.6	34.8	52.2
58	67.1	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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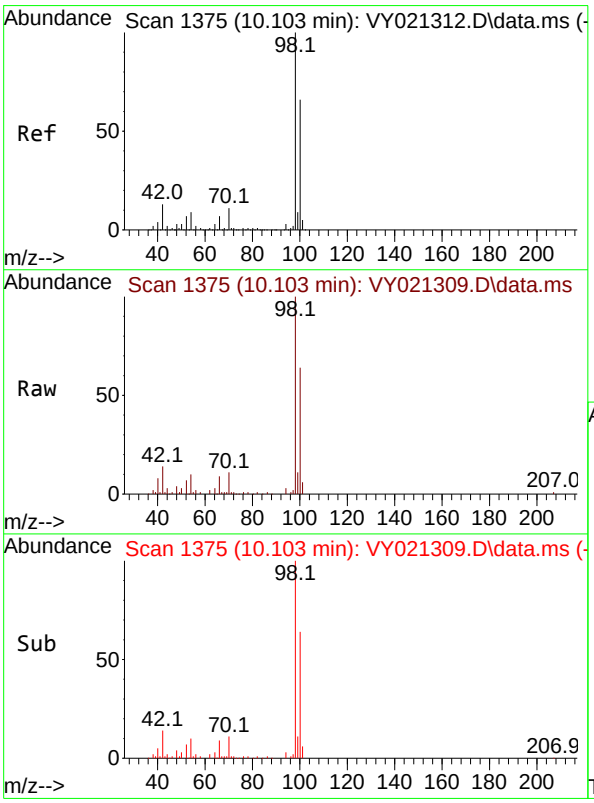
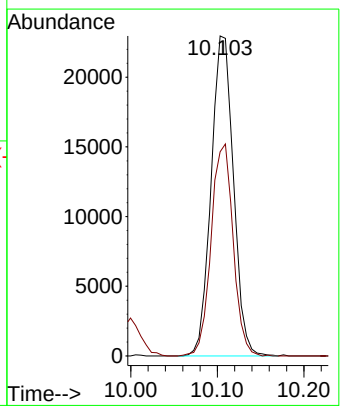
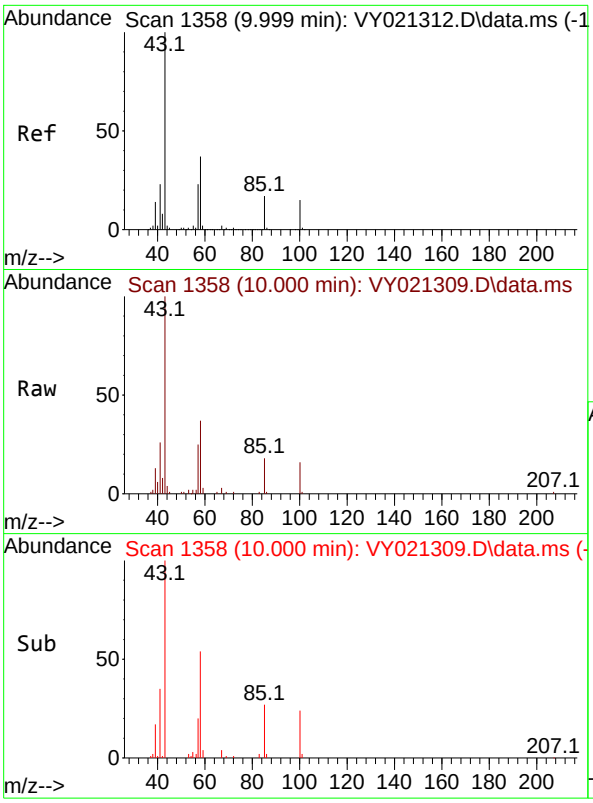


#50
Toluene-d8
Concen: 5.603 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 98 Resp: 41158

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6

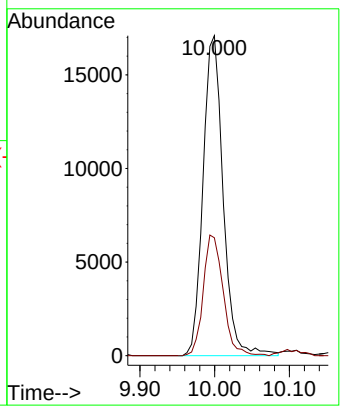




#51
4-Methyl-2-Pentanone
Concen: 22.677 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 3191

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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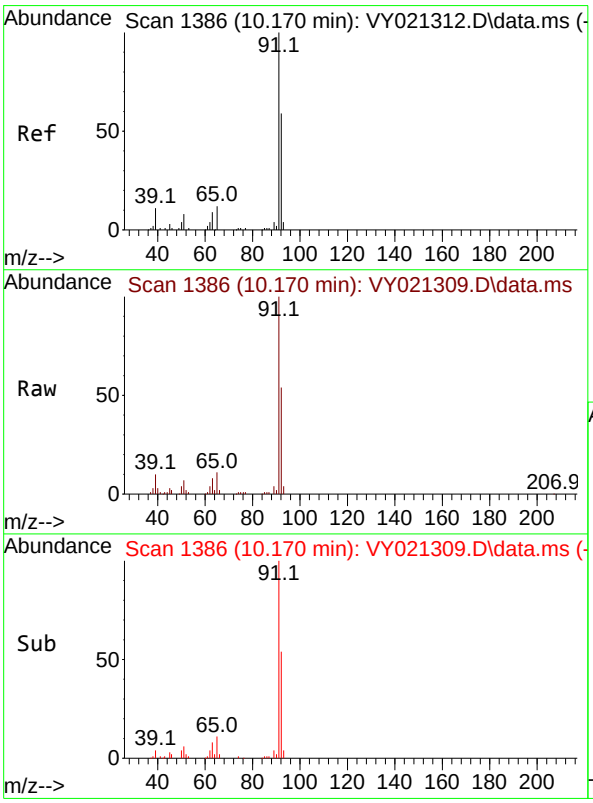
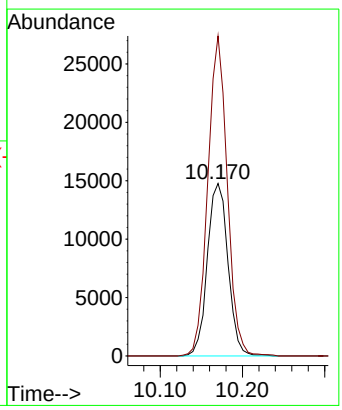
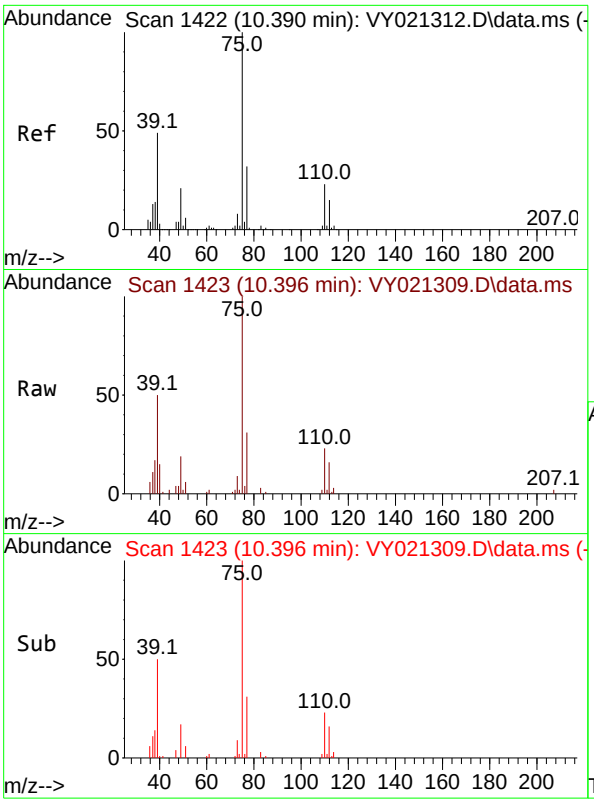


#52
Toluene
Concen: 4.905 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 92 Resp: 25715

Ion	Ratio	Lower	Upper
92	100		
91	175.2	137.8	206.8

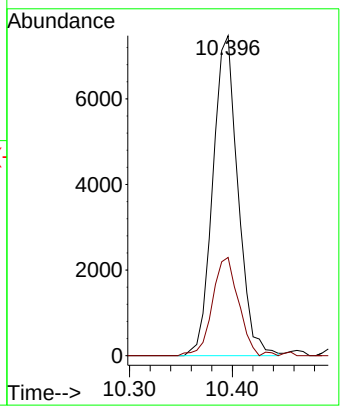




#53
t-1,3-Dichloropropene
Concen: 4.682 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 1269

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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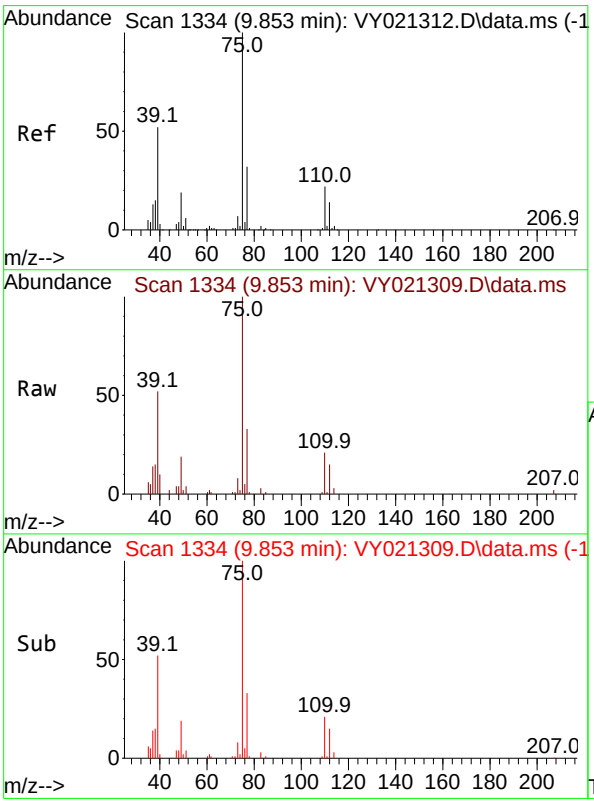
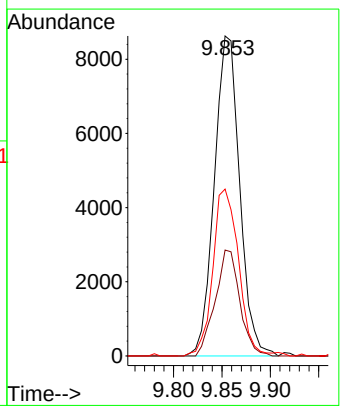
Supervised By :Mahesh Dadoda 02/26/2025

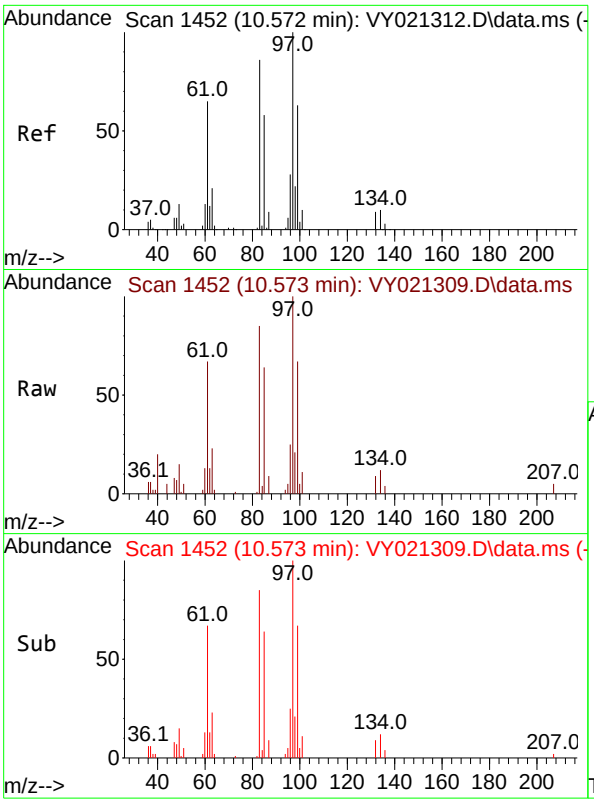


#54
cis-1,3-Dichloropropene
Concen: 4.899 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 15685

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.7	38.5
39	52.2	41.8	62.6

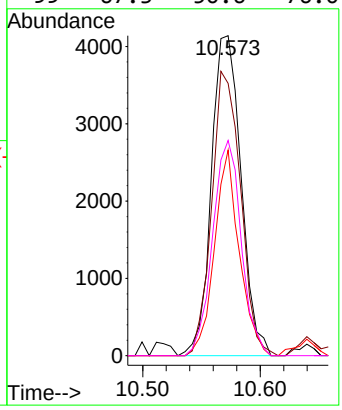




#55
1,1,2-Trichloroethane
Concen: 5.019 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 97 Resp: 725

Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.7	103.1
85	64.3	46.3	69.5
99	67.3	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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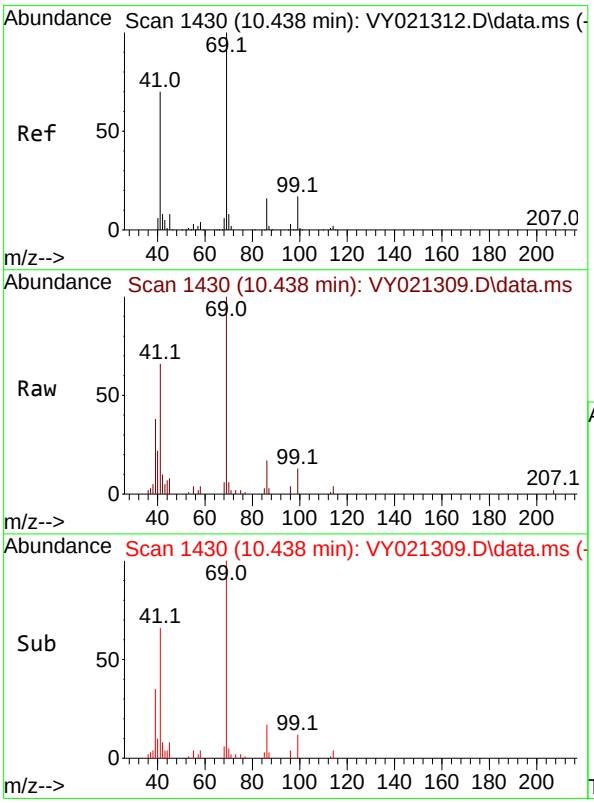
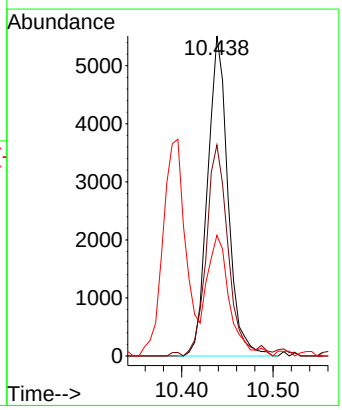
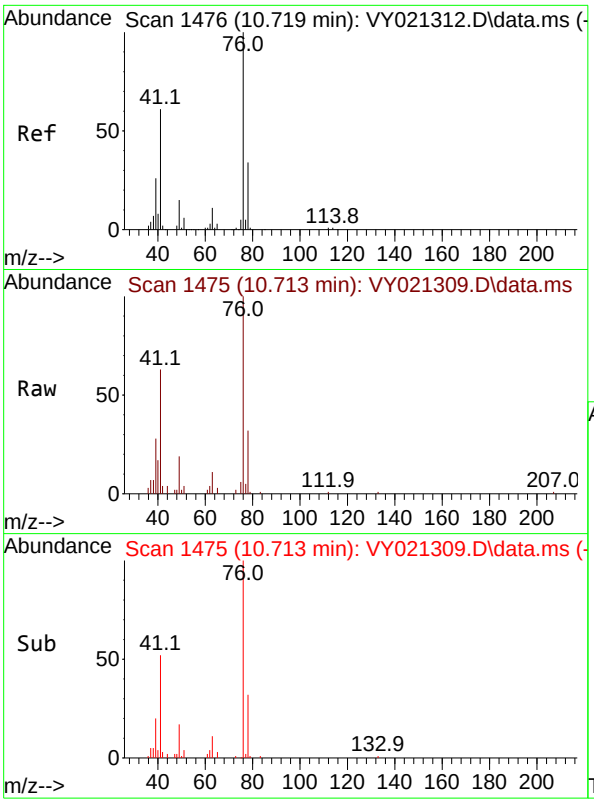


#56
Ethyl methacrylate
Concen: 4.267 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 69 Resp: 8528

Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.2	84.4
39	40.8	32.7	49.1

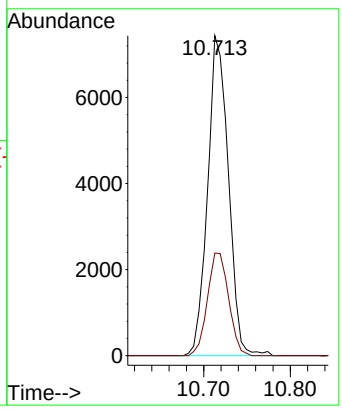




#57
1,3-Dichloropropane
Concen: 4.880 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 76 Resp: 1238

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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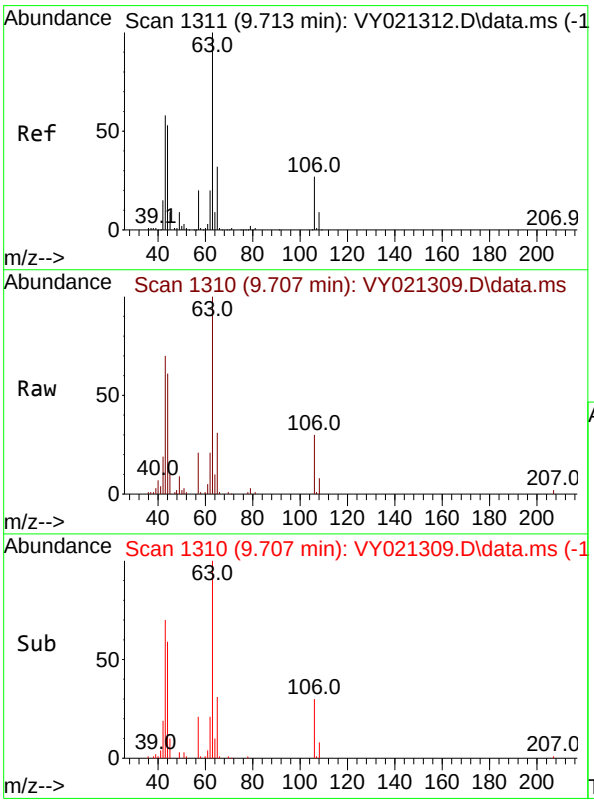
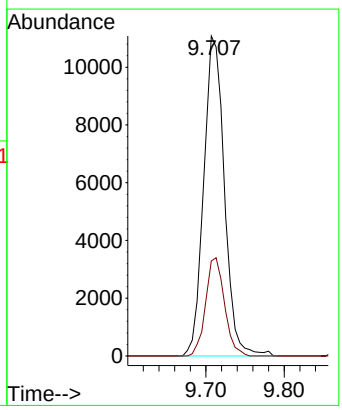
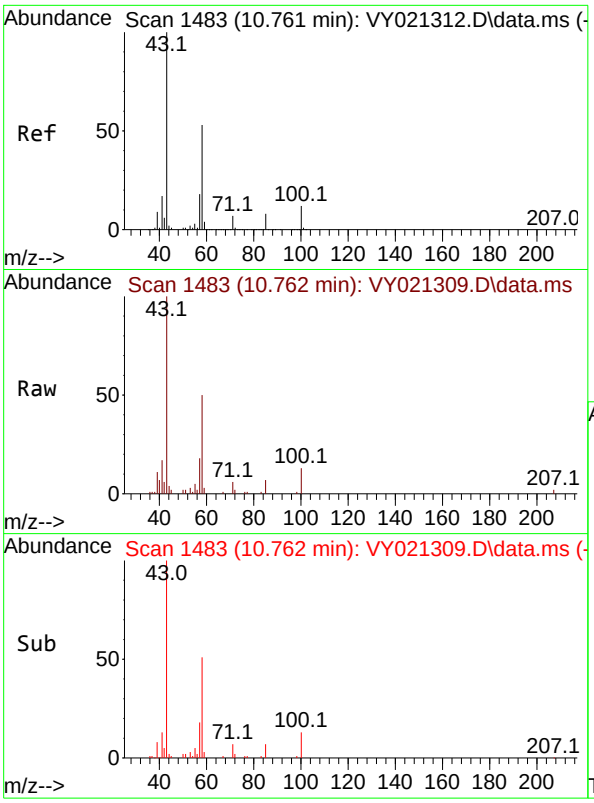


#58
2-Chloroethyl Vinyl ether
Concen: 21.153 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 20290

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.7	32.5

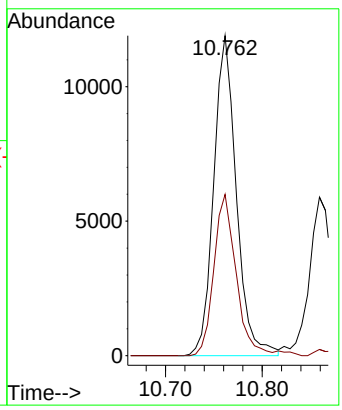




#59
2-Hexanone
Concen: 20.897 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 1931

Ion	Ratio	Lower	Upper
43	100		
58	49.3	25.9	77.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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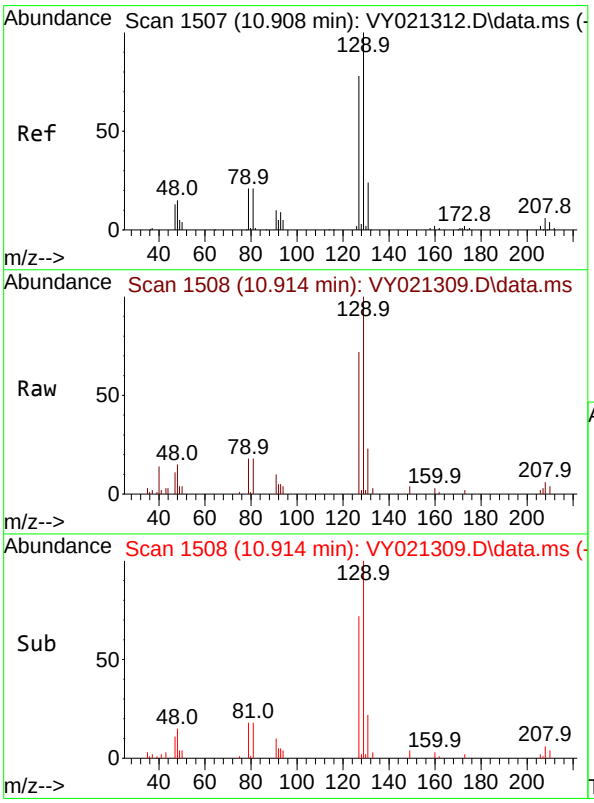
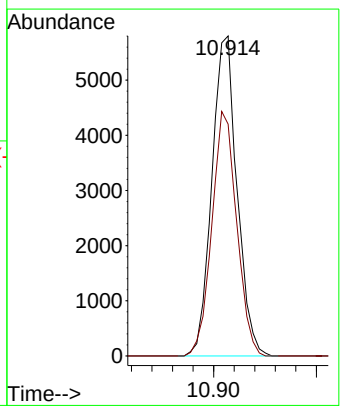
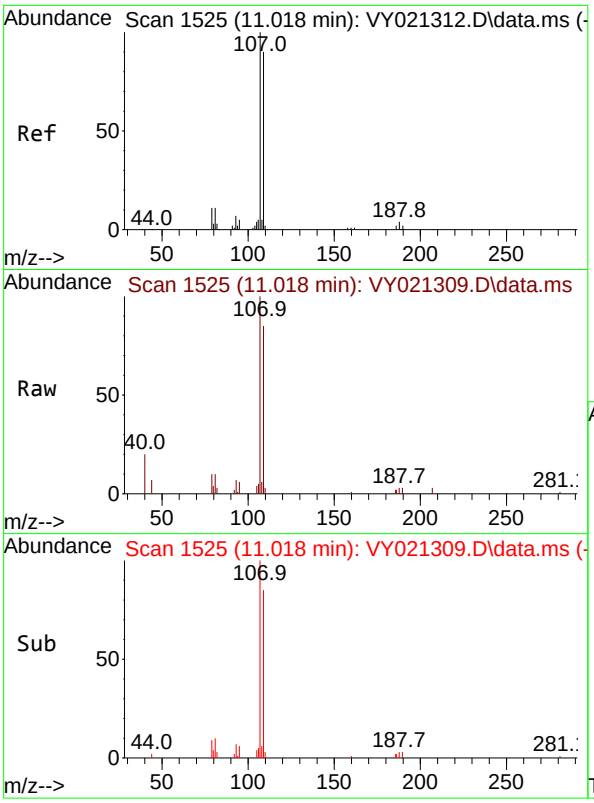


#60
Dibromochloromethane
Concen: 4.998 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:129 Resp: 9844

Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.8	116.4

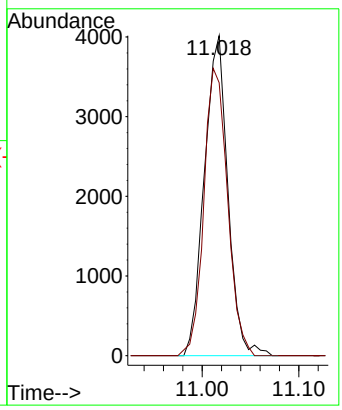




#61
1,2-Dibromoethane
Concen: 4.960 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:107 Resp: 679

Ion	Ratio	Lower	Upper
107	100		
109	90.5	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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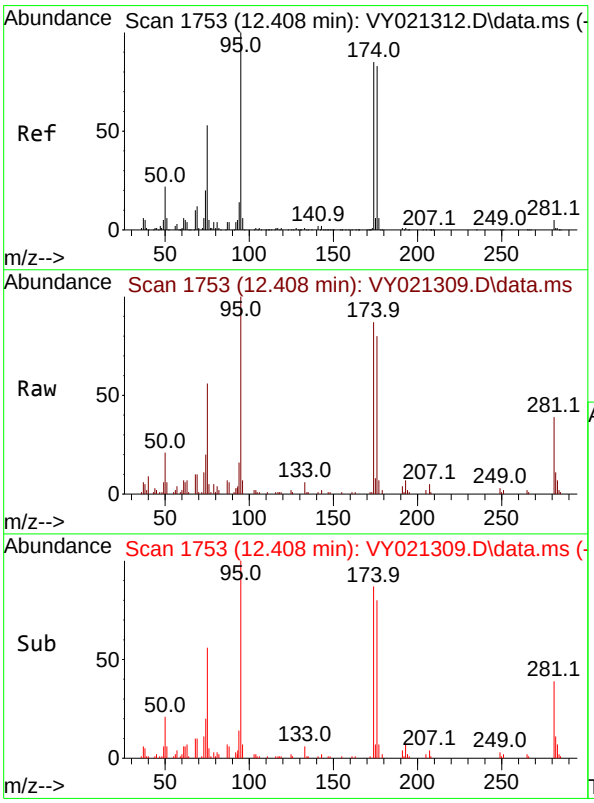
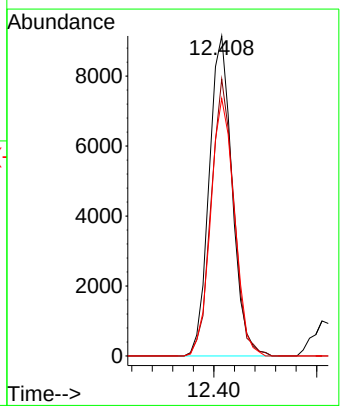
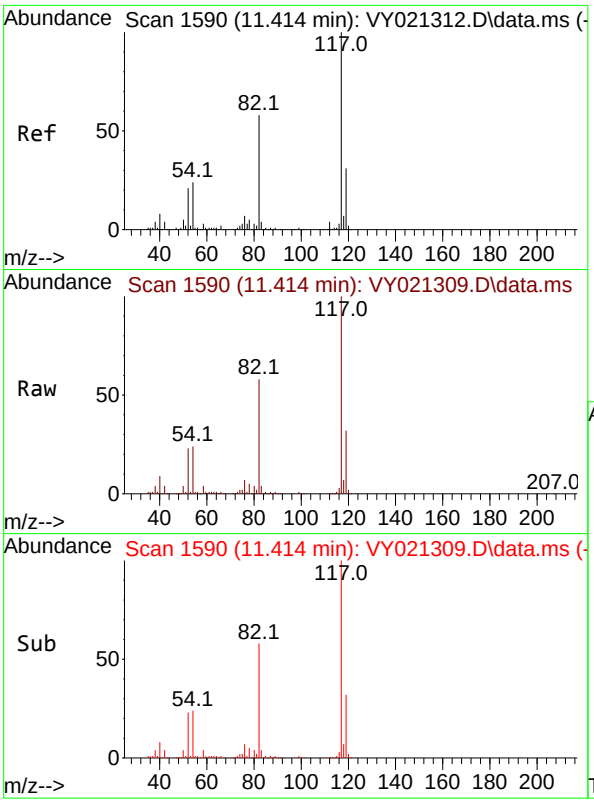


#62
4-Bromofluorobenzene
Concen: 5.741 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 95 Resp: 14192

Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	168.0
176	83.1	0.0	162.6

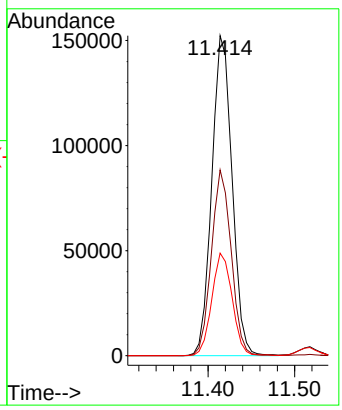




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 24783

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.2	69.4
119	32.0	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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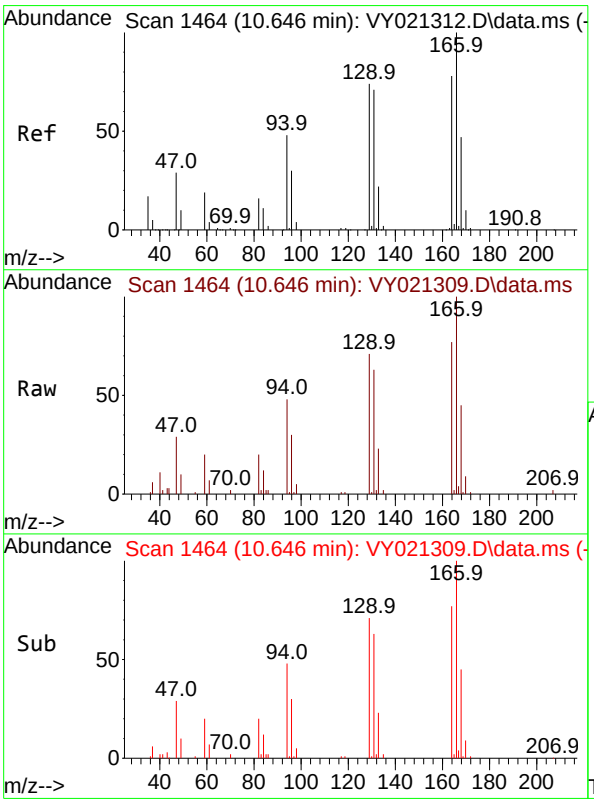
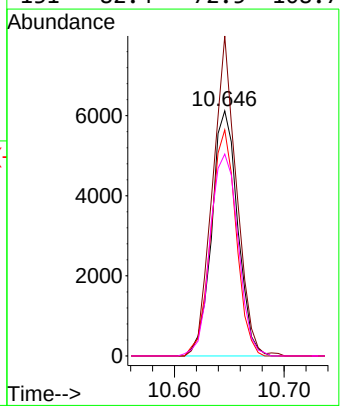
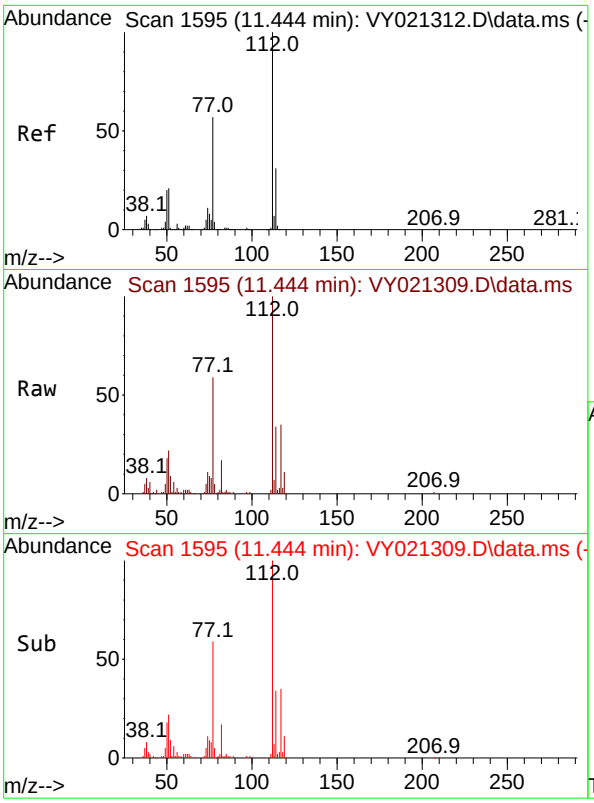


#64
Tetrachloroethene
Concen: 5.361 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:164 Resp: 10042

Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.9	152.9
129	92.3	75.5	113.3
131	82.4	72.5	108.7

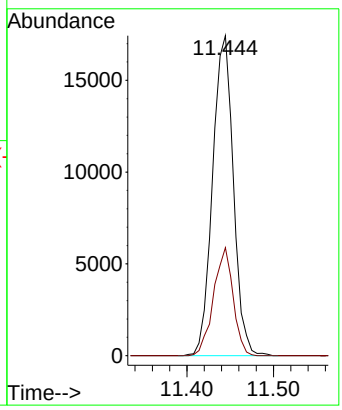




#65
Chlorobenzene
Concen: 5.217 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:112 Resp: 2902

Ion	Ratio	Lower	Upper
112	100		
114	33.8	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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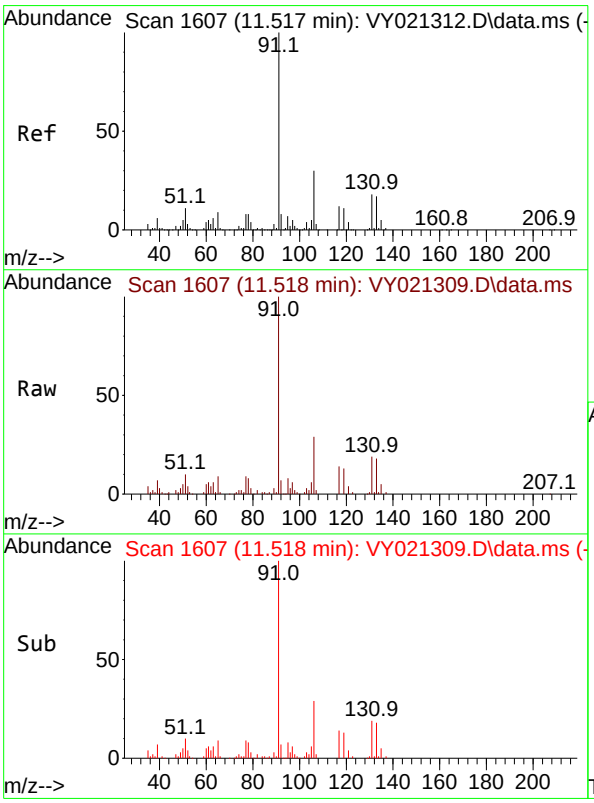
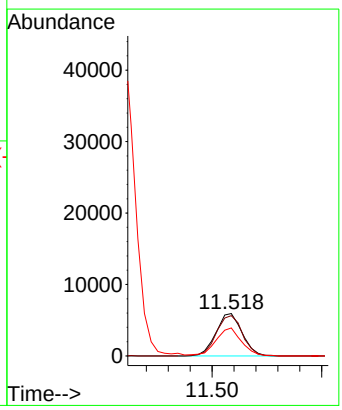
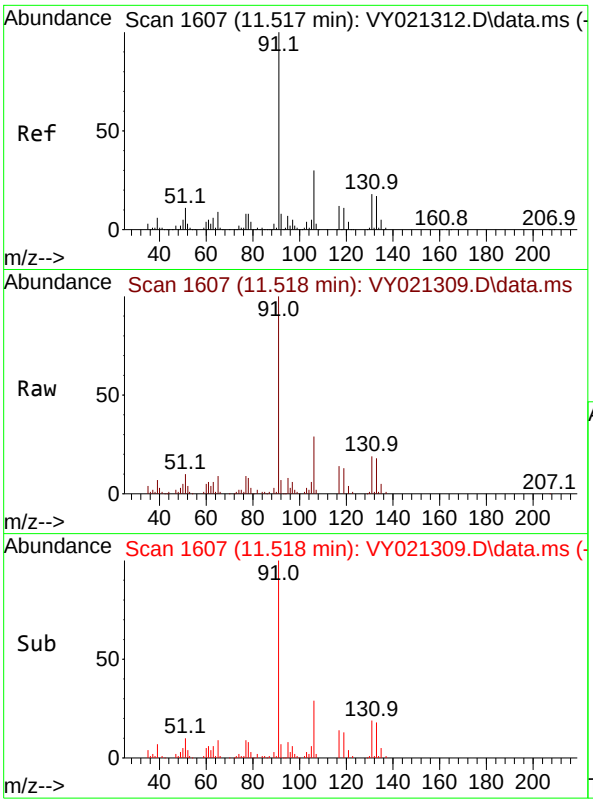


#66
1,1,1,2-Tetrachloroethane
Concen: 5.043 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:131 Resp: 9824

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.6
119	64.5	31.7	95.1





#67
Ethyl Benzene
Concen: 4.874 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 4802

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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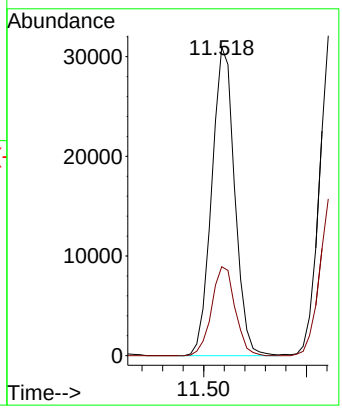
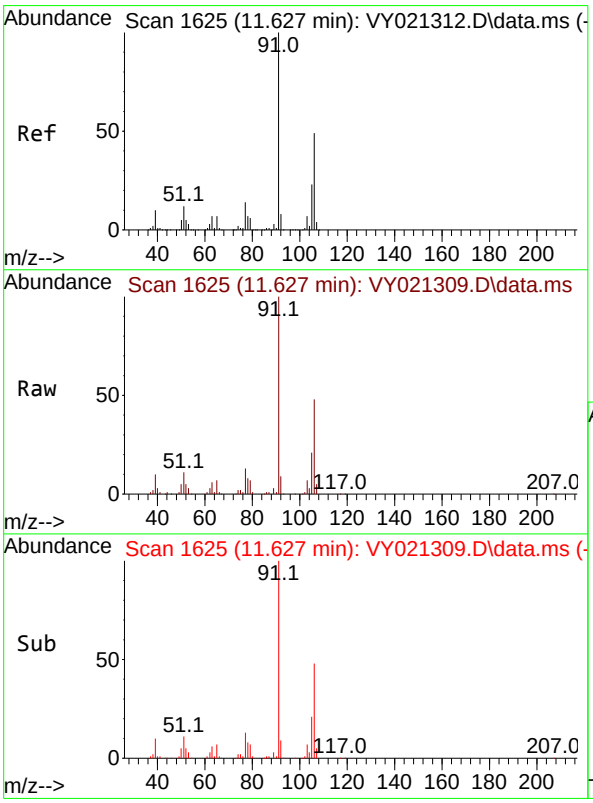
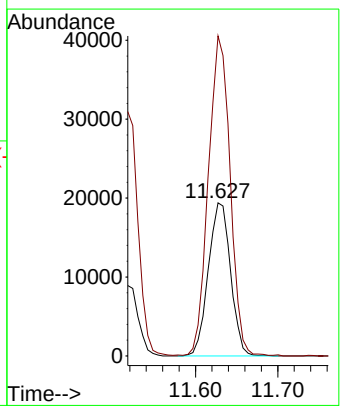


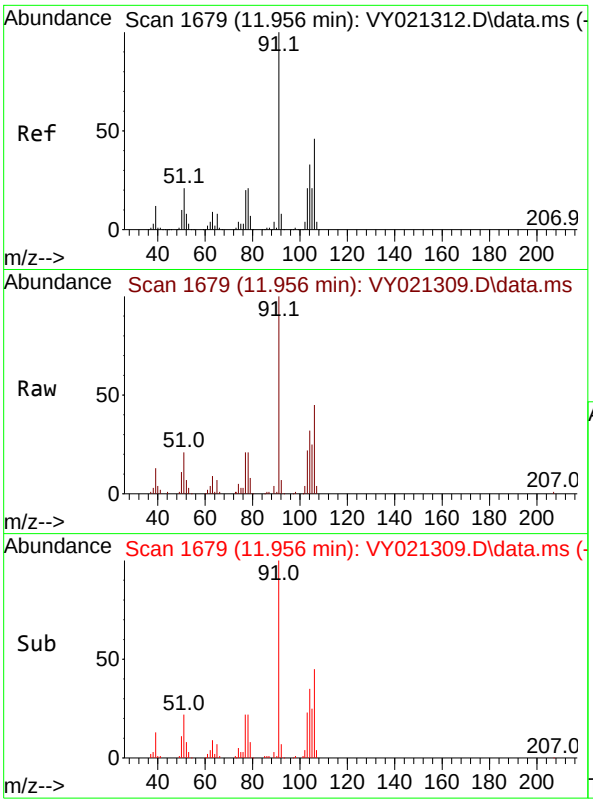


#68
m/p-Xylenes
Concen: 9.833 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:106 Resp: 36446

Ion	Ratio	Lower	Upper
106	100		
91	205.1	163.9	245.9

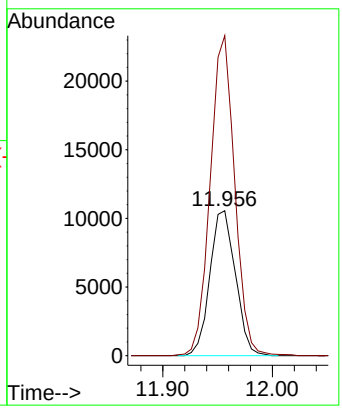




#69
o-Xylene
Concen: 4.920 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:106 Resp: 1708

Ion	Ratio	Lower	Upper
106	100		
91	211.7	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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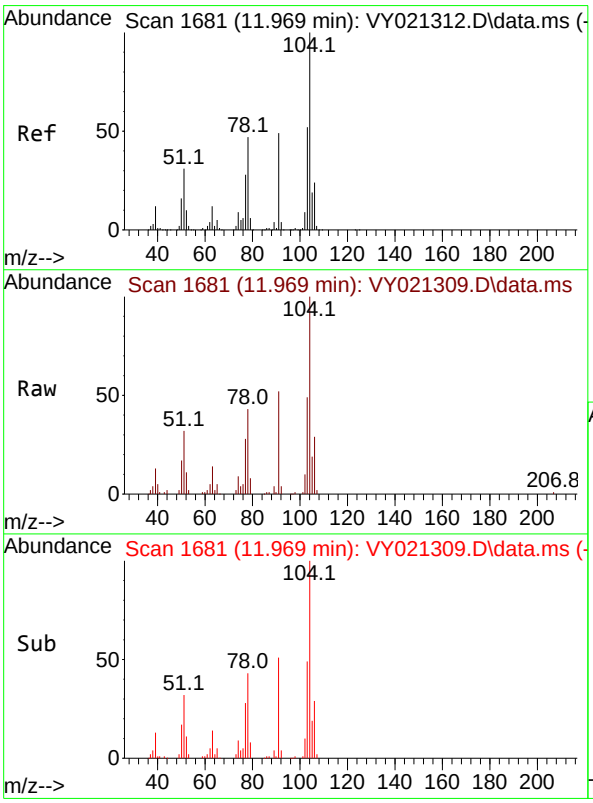
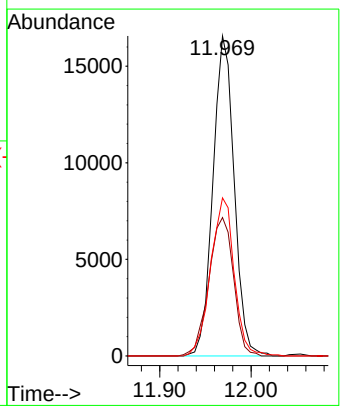
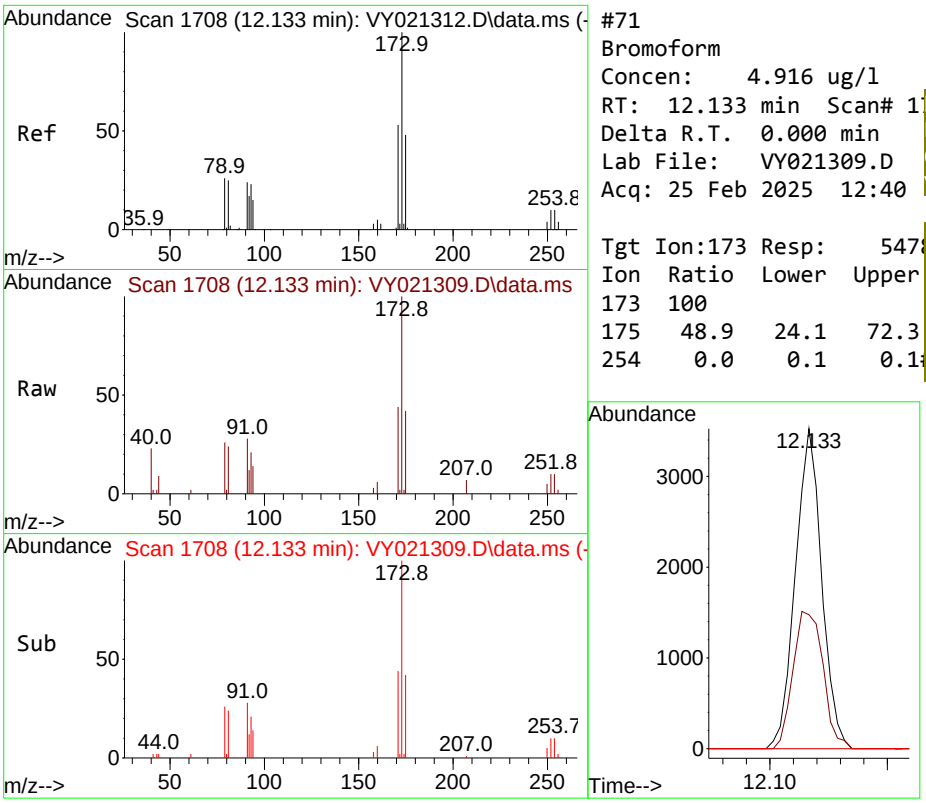


#70
Styrene
Concen: 4.637 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:104 Resp: 26787

Ion	Ratio	Lower	Upper
104	100		
78	50.1	41.3	61.9
103	54.9	43.9	65.9





#71
Bromoform
Concen: 4.916 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:173 Resp: 547

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.0	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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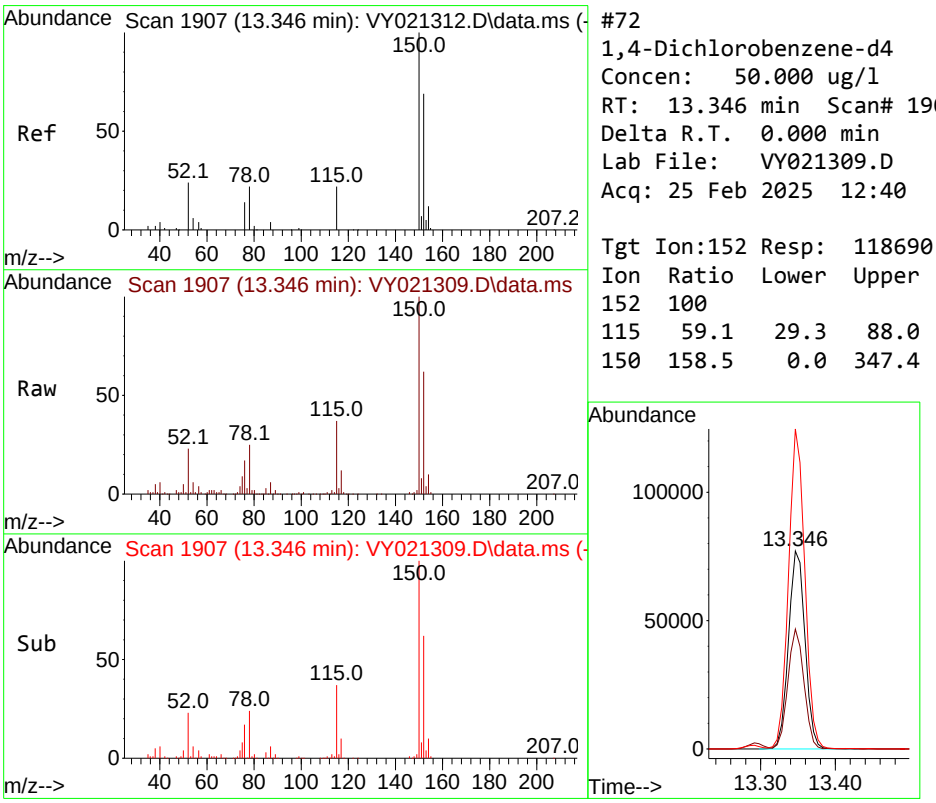
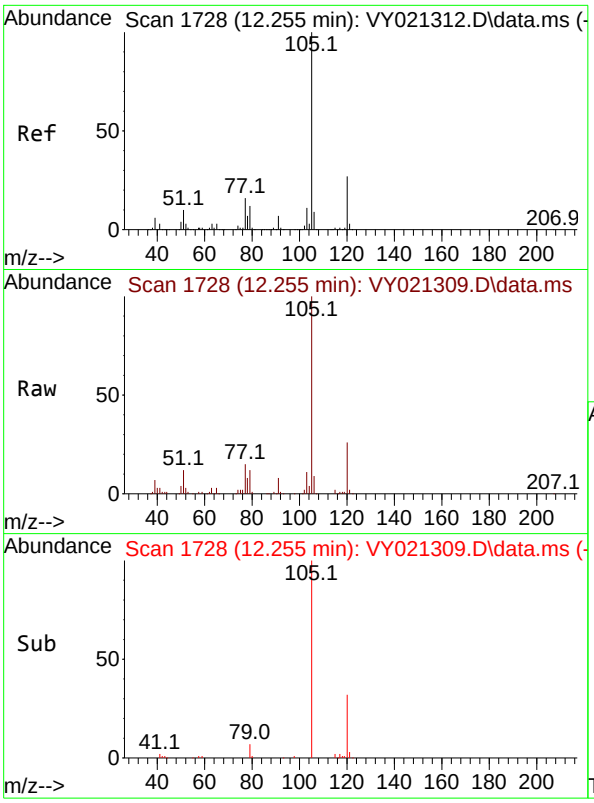


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:152 Resp: 118690

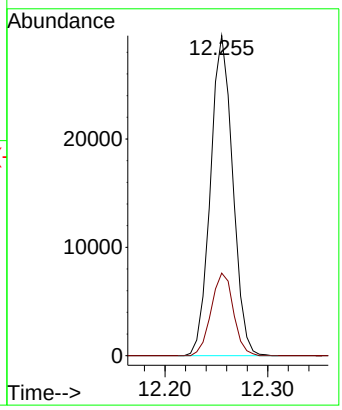
Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.3	88.0
150	158.5	0.0	347.4



#73
Isopropylbenzene
Concen: 4.980 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 4443

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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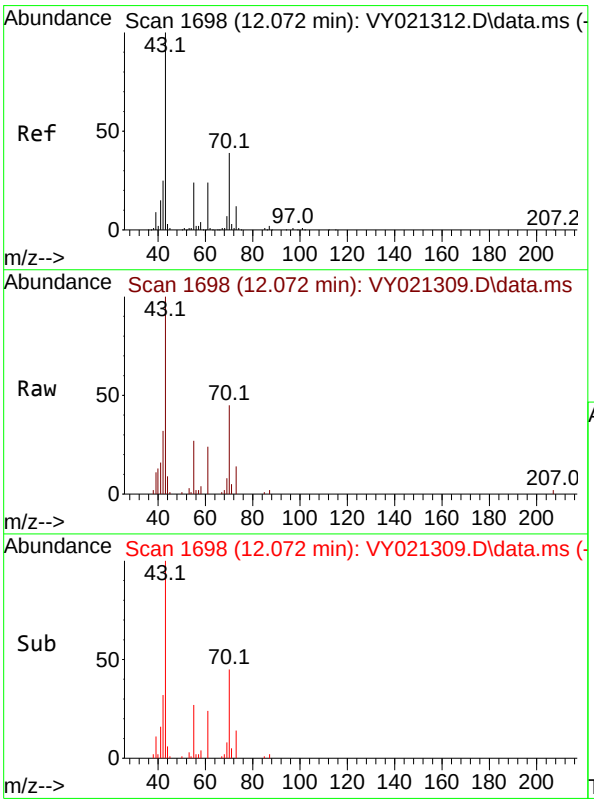
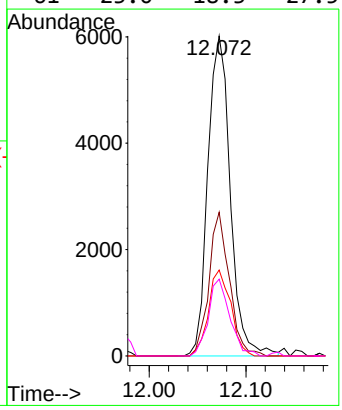
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

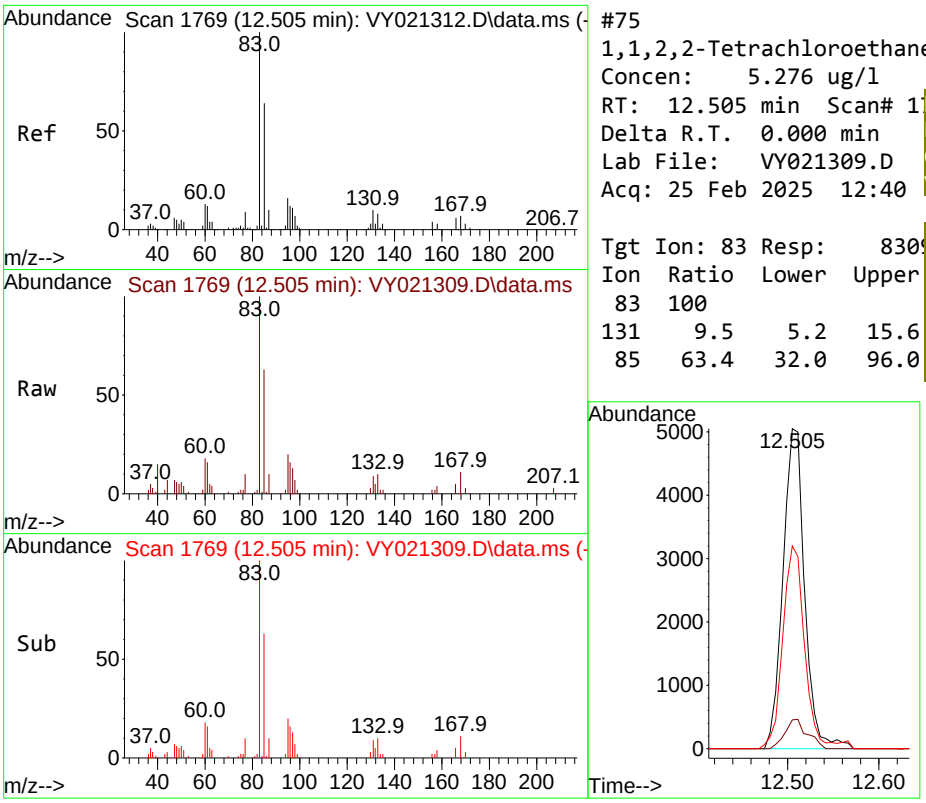


#74
N-amyl acetate
Concen: 4.283 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 9713

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.2	48.2
55	26.7	19.6	29.4
61	23.0	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 5.276 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 830

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.2	15.6
85	63.4	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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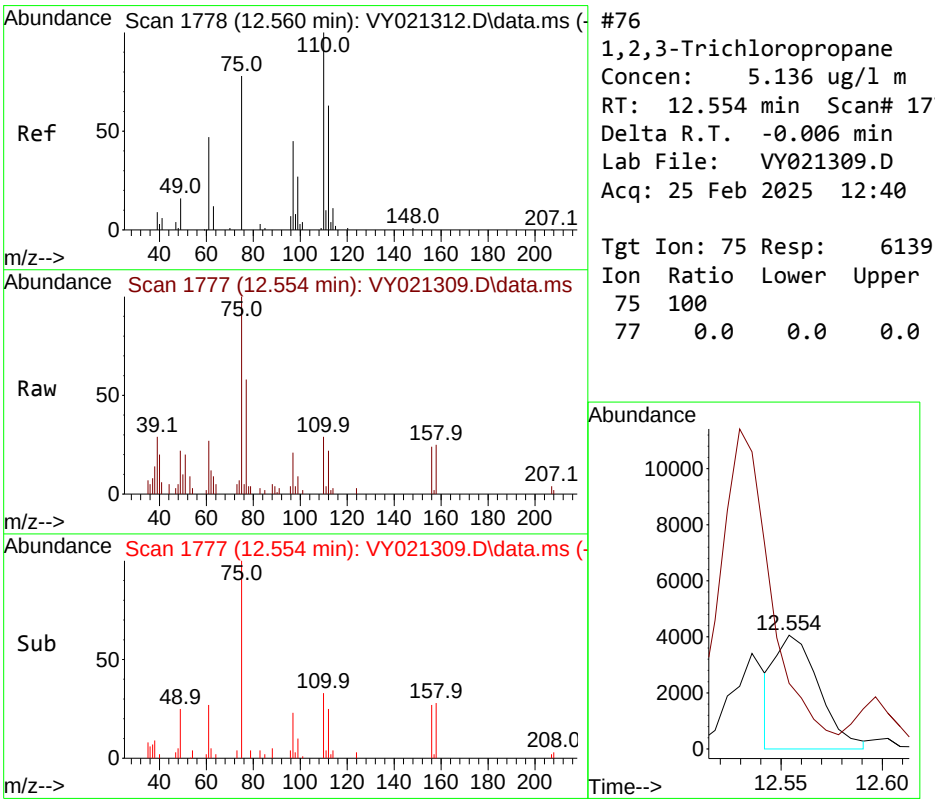
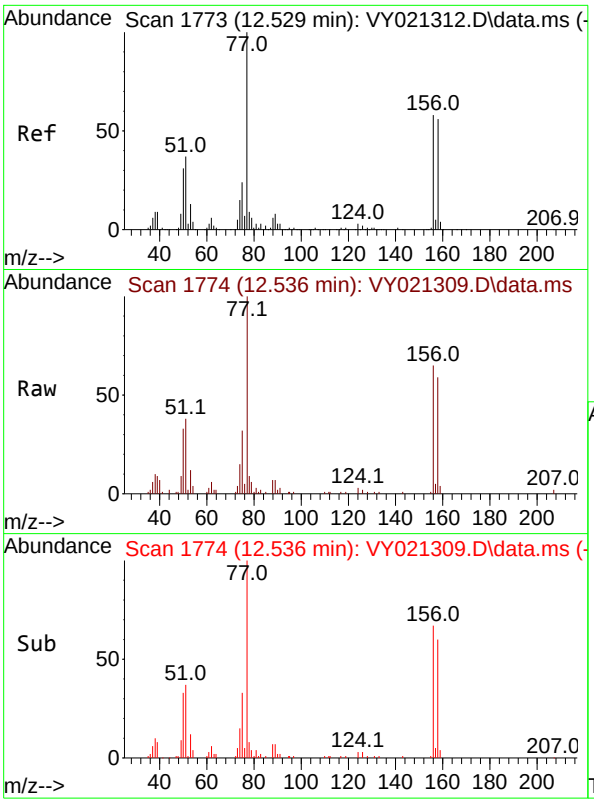
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#76
1,2,3-Trichloropropane
Concen: 5.136 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 6139

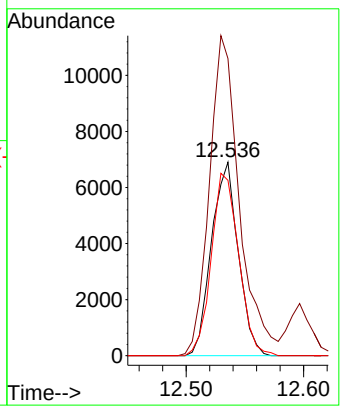
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 5.257 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:156 Resp: 1091

Ion	Ratio	Lower	Upper
156	100		
77	185.6	94.0	282.1
158	96.6	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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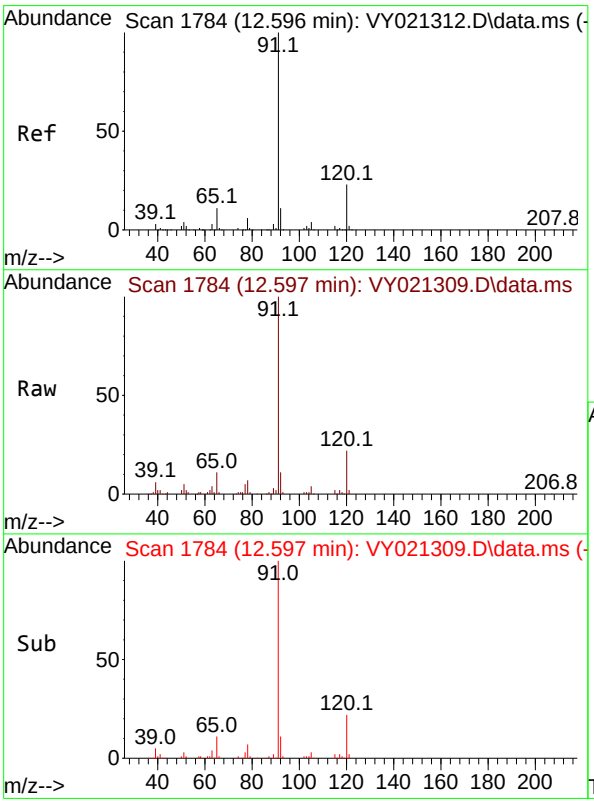
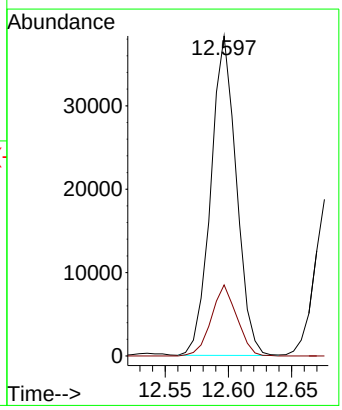
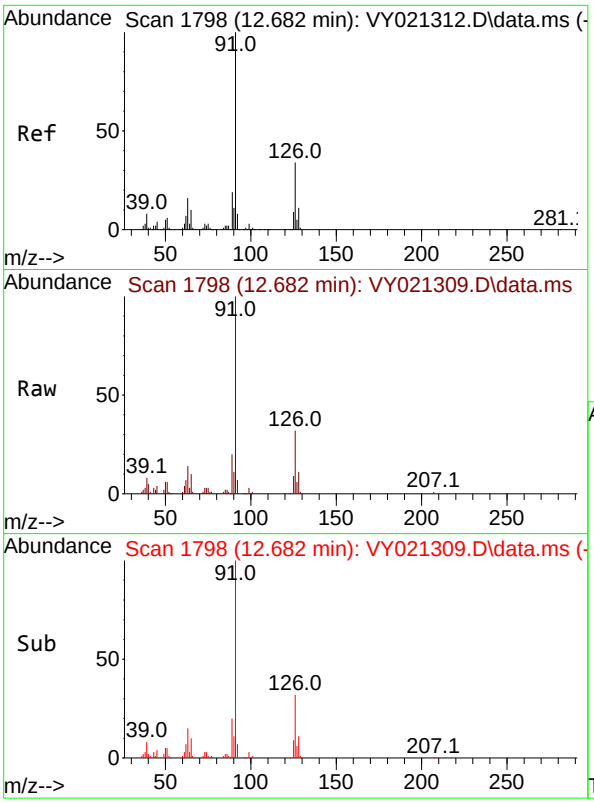


#78
n-propylbenzene
Concen: 4.968 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 53794

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.5

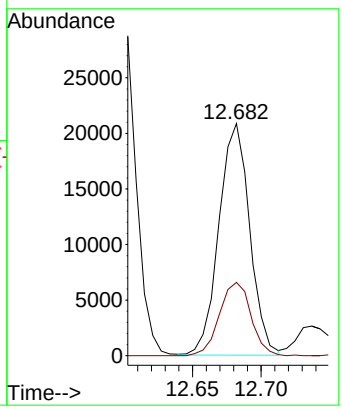




#79
2-Chlorotoluene
Concen: 5.235 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 3252

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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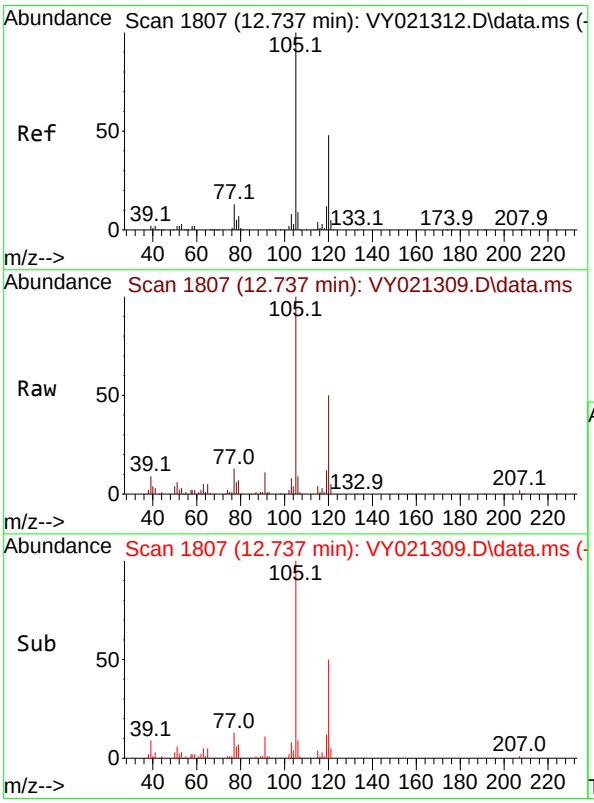
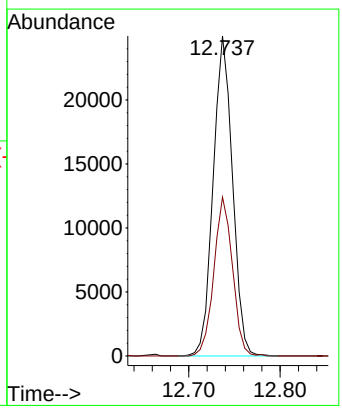
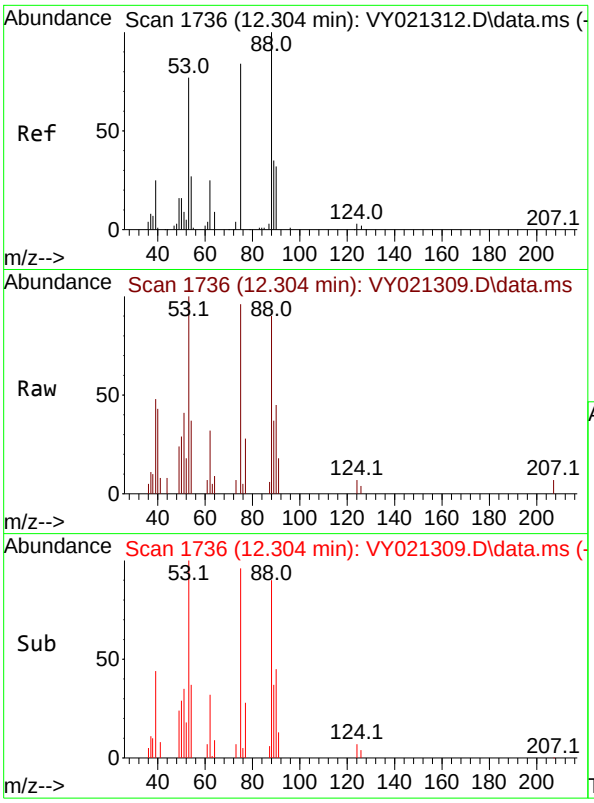


#80
1,3,5-Trimethylbenzene
Concen: 5.014 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 36696

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	73.0

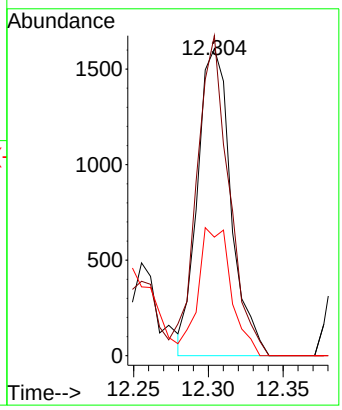




#81
trans-1,4-Dichloro-2-butene
Concen: 4.664 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 249

Ion	Ratio	Lower	Upper
75	100		
53	100.8	79.1	118.7
89	41.2	35.6	53.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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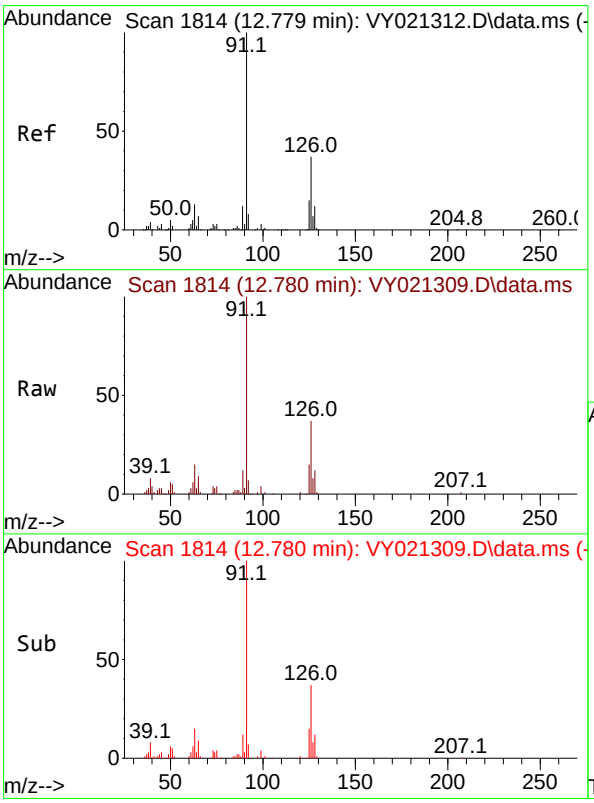
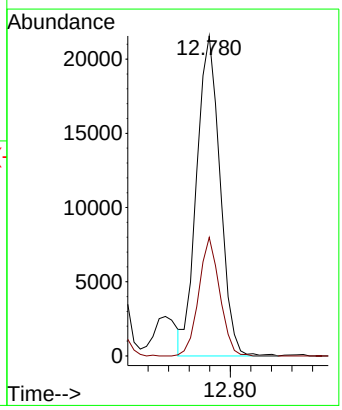
Supervised By :Mahesh Dadoda 02/26/2025

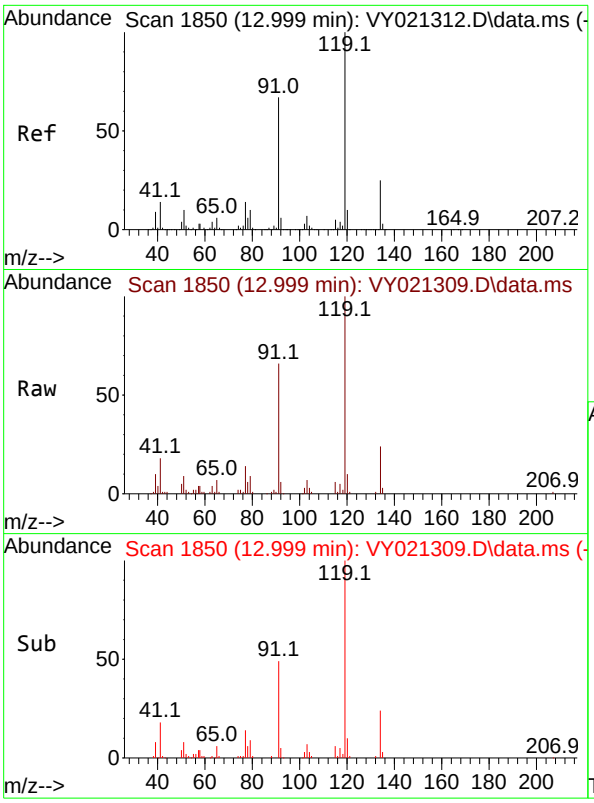


#82
4-Chlorotoluene
Concen: 5.290 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 34079

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.8	50.4

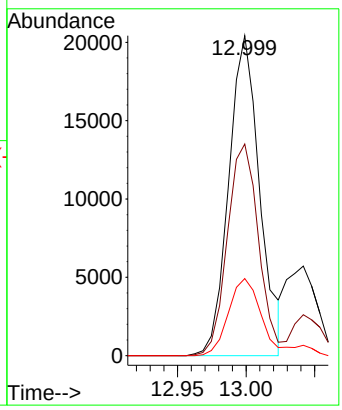




#83
tert-Butylbenzene
Concen: 4.852 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:119 Resp: 3207

Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	26.0	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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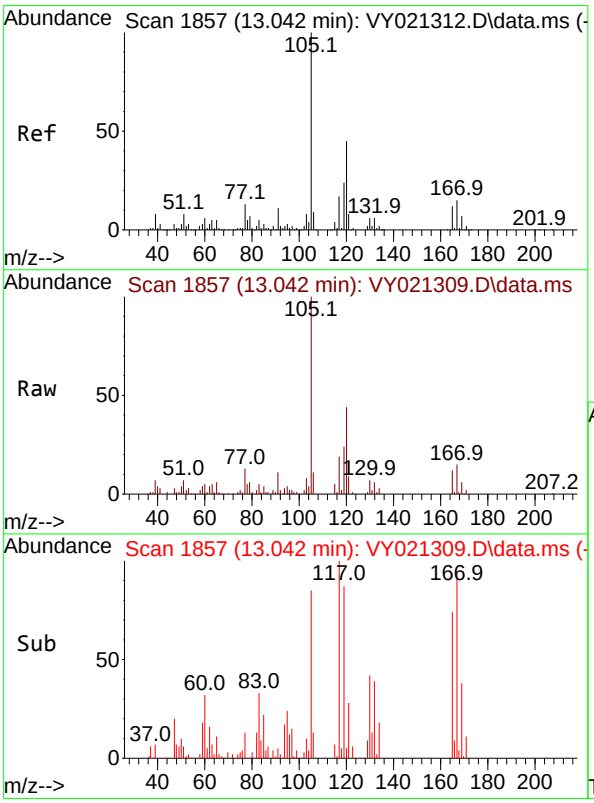
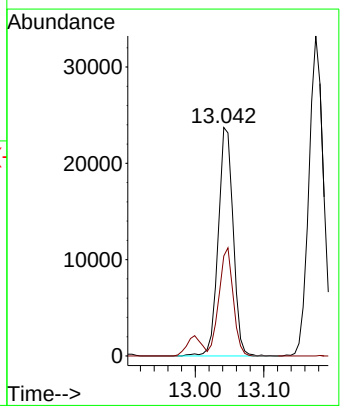
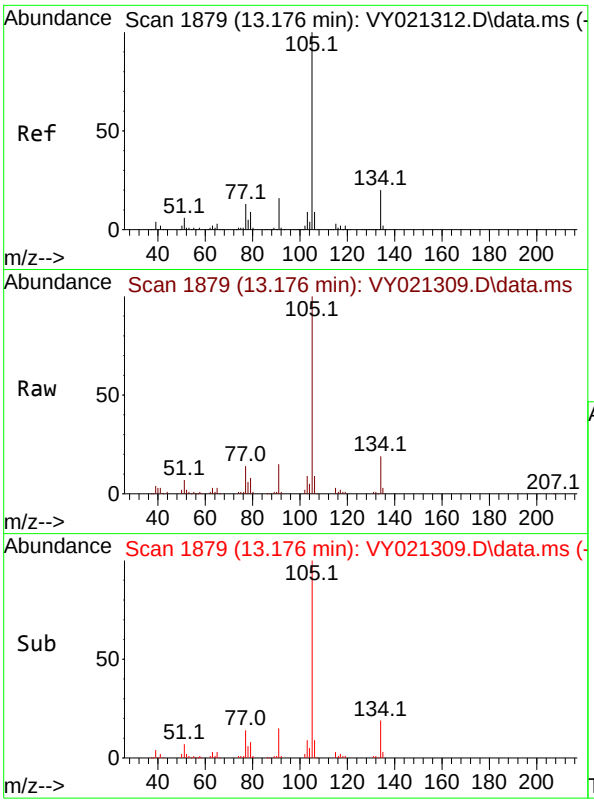


#84
1,2,4-Trimethylbenzene
Concen: 4.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 35772

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3

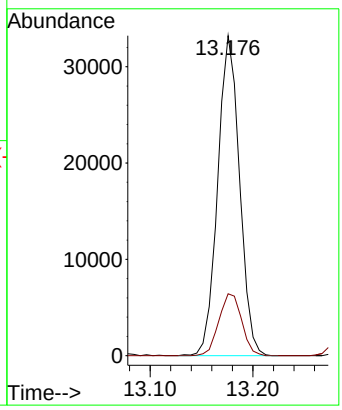




#85
sec-Butylbenzene
Concen: 5.072 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 4897

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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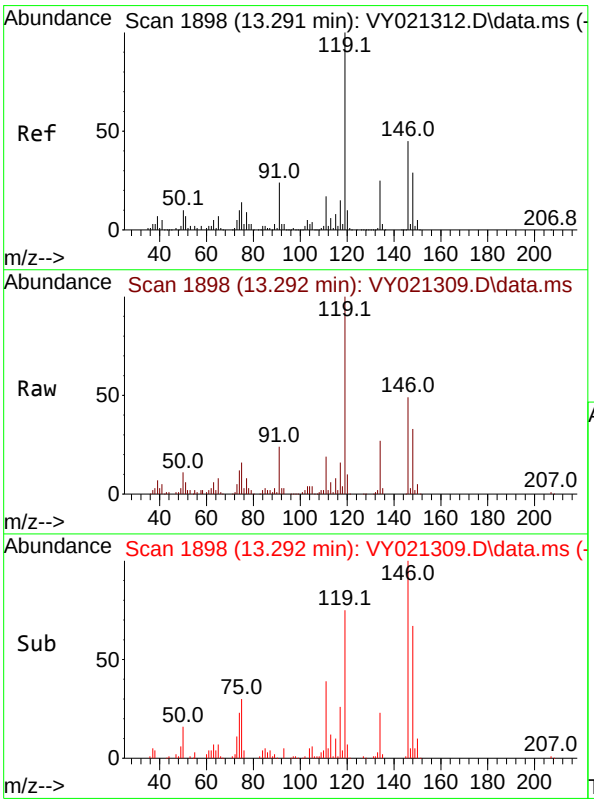
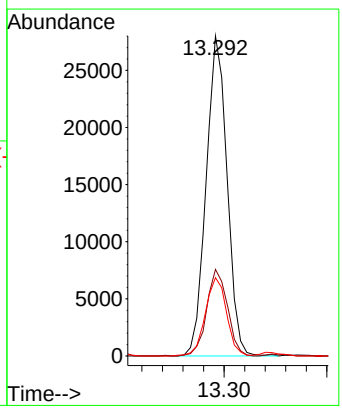
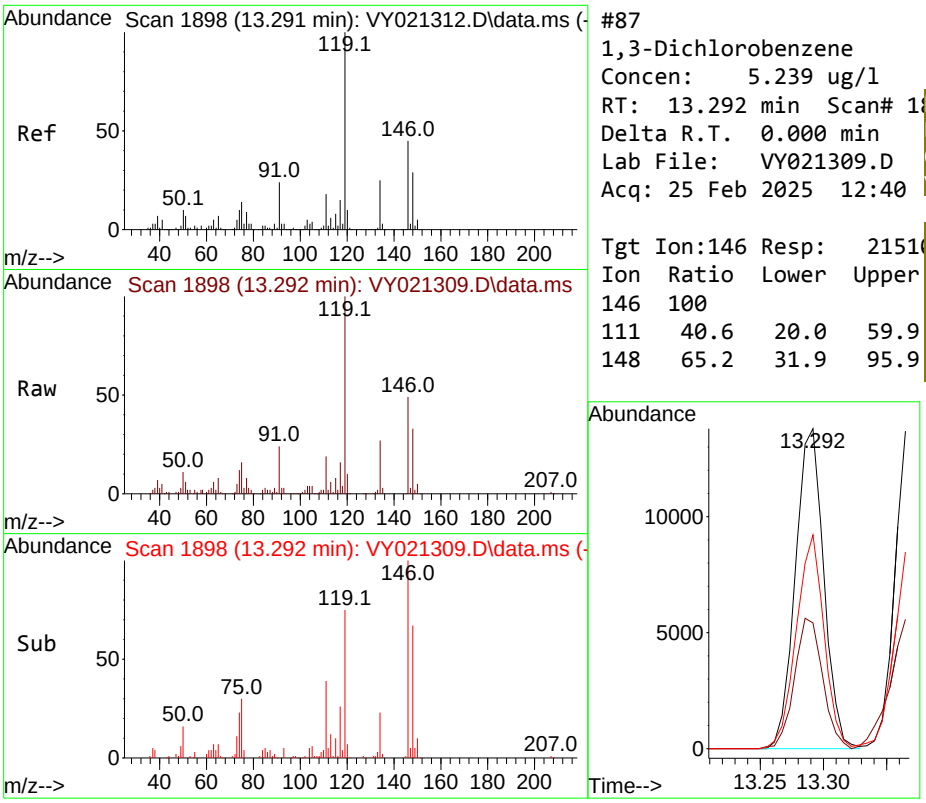


#86
p-Isopropyltoluene
Concen: 4.916 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:119 Resp: 39637

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	38.9
91	24.8	12.0	36.1





#87
1,3-Dichlorobenzene
Concen: 5.239 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 2151

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	65.2	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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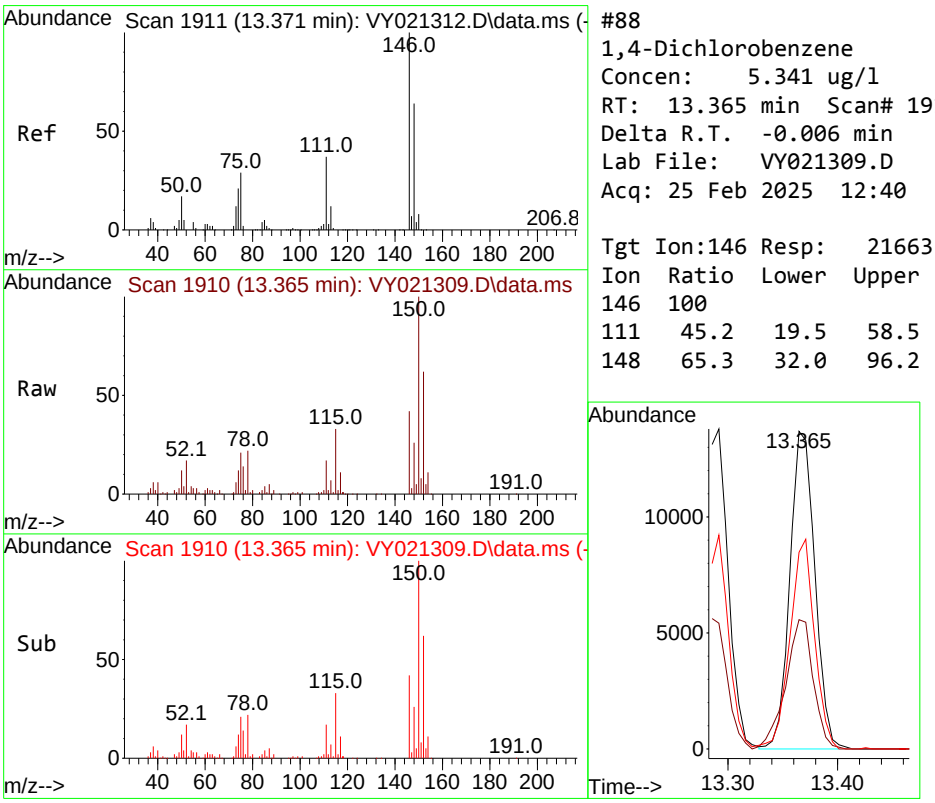
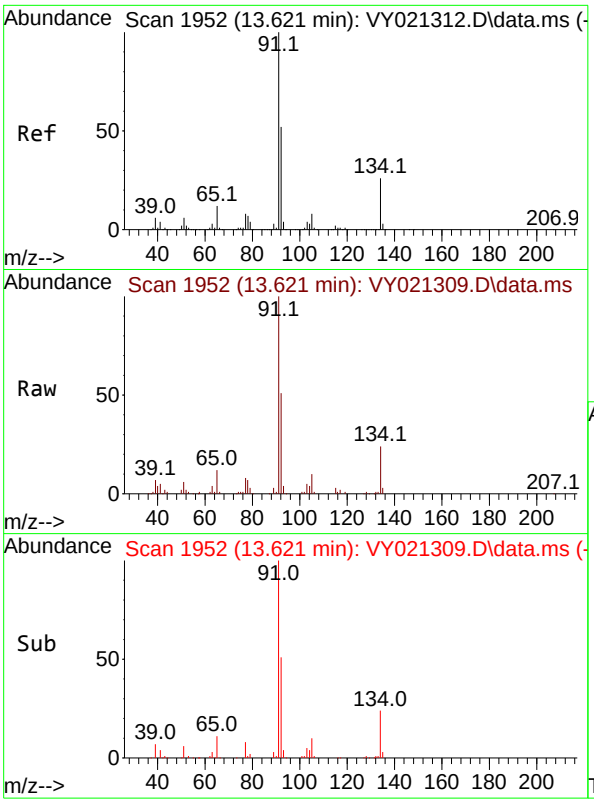
Supervised By :Mahesh Dadoda 02/26/2025



#88
1,4-Dichlorobenzene
Concen: 5.341 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 21663

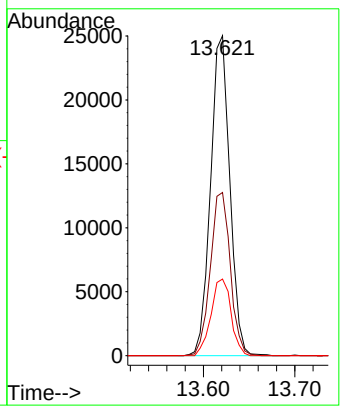
Ion	Ratio	Lower	Upper
146	100		
111	45.2	19.5	58.5
148	65.3	32.0	96.2



#89
n-Butylbenzene
Concen: 4.815 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 3653

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.0	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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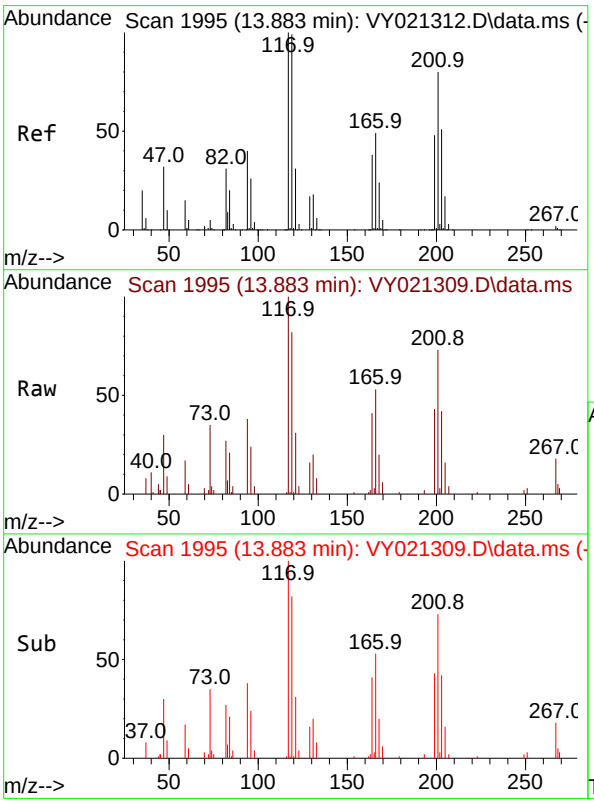
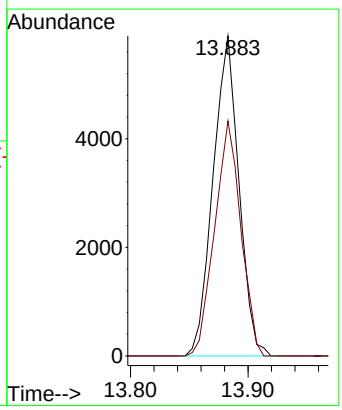
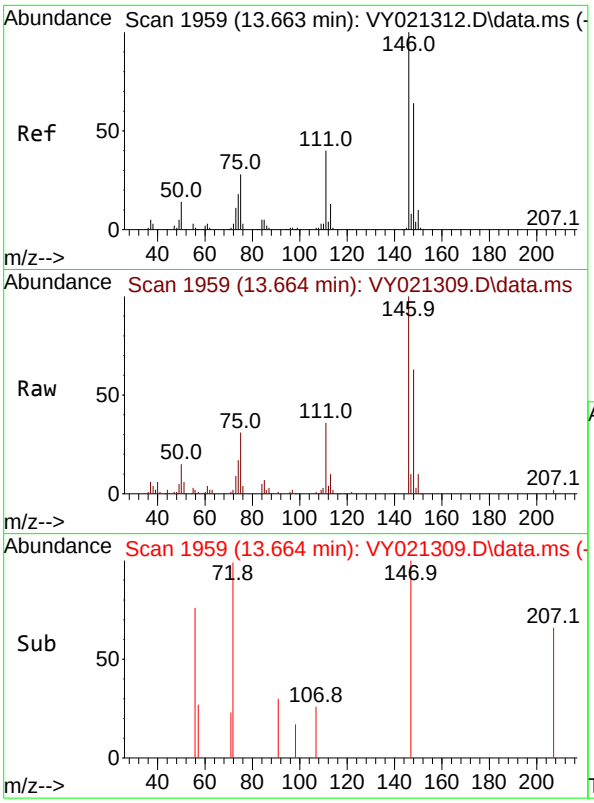


#90
Hexachloroethane
Concen: 5.351 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 9013

Ion	Ratio	Lower	Upper
117	100		
201	74.3	38.4	115.2

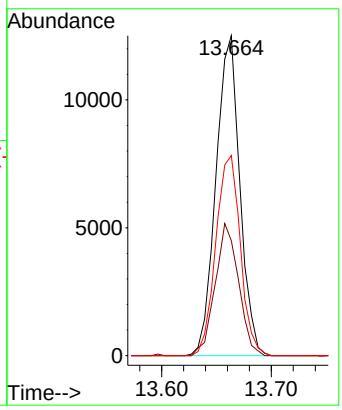




#91
1,2-Dichlorobenzene
Concen: 5.278 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 1898

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	64.2	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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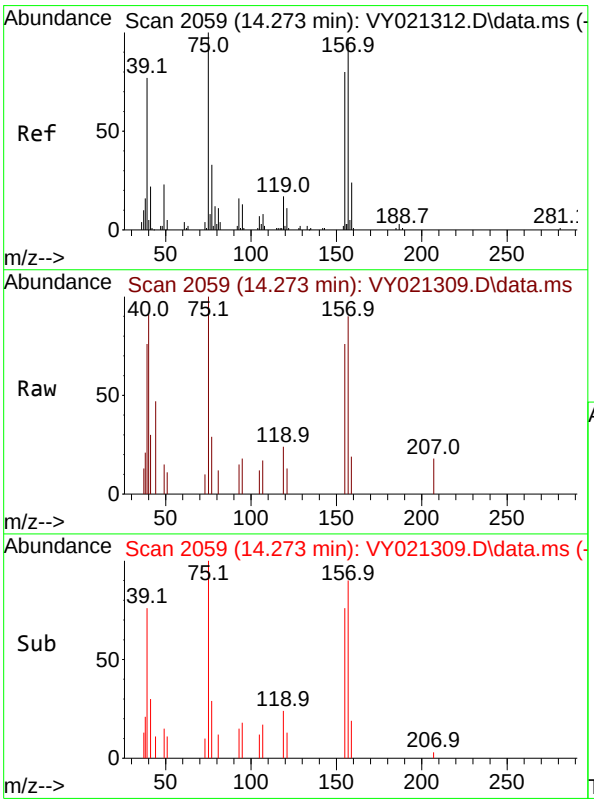
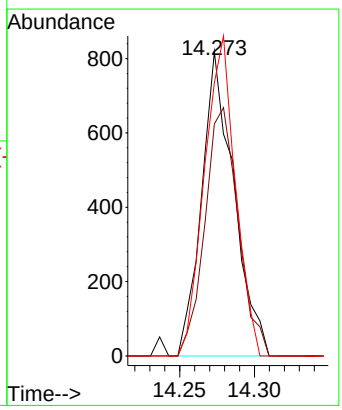
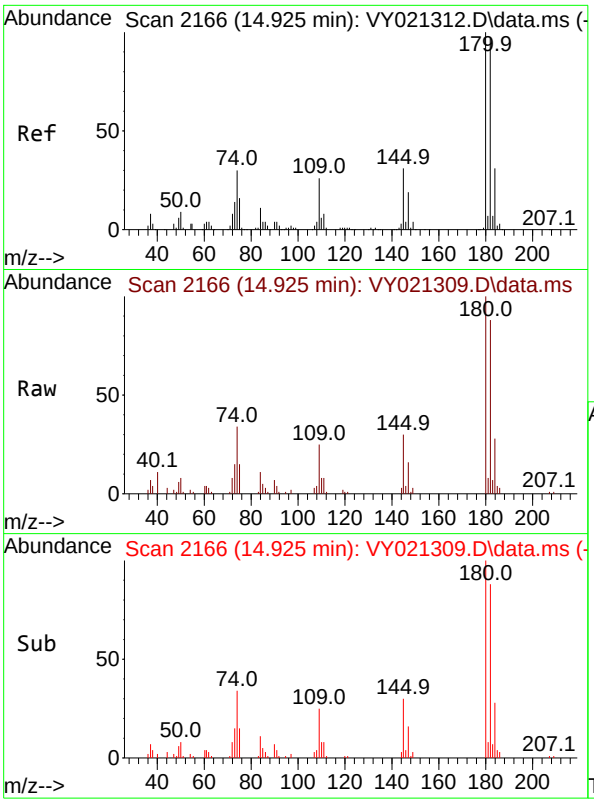


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.925 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 1227

Ion	Ratio	Lower	Upper
75	100		
155	84.4	41.9	125.6
157	100.9	52.5	157.6

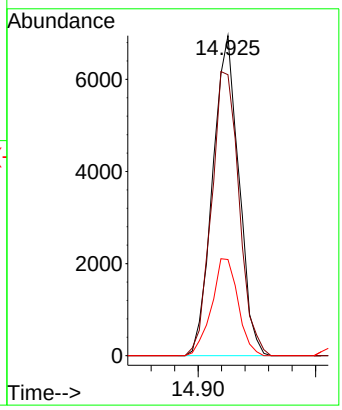




#93
1,2,4-Trichlorobenzene
Concen: 4.901 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:180 Resp: 1075

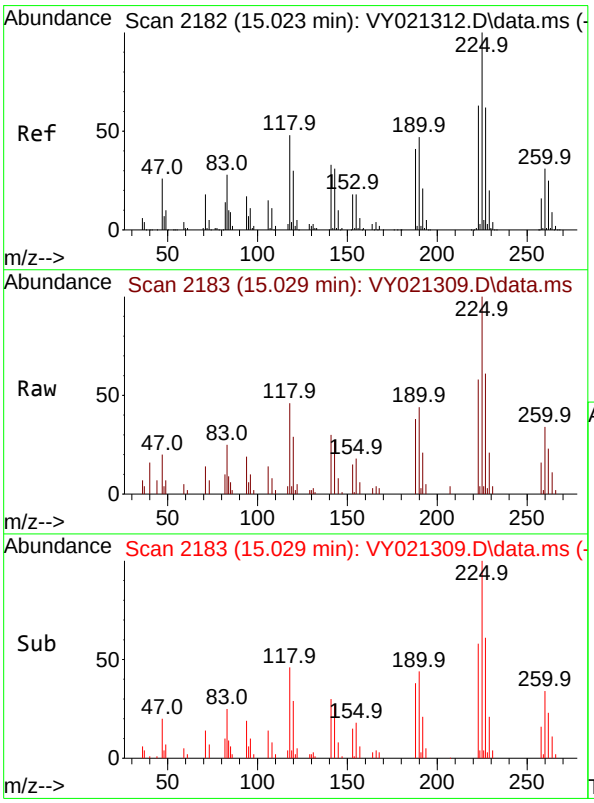
Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.9	143.7
145	30.7	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

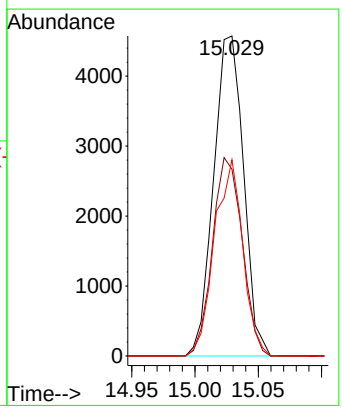
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

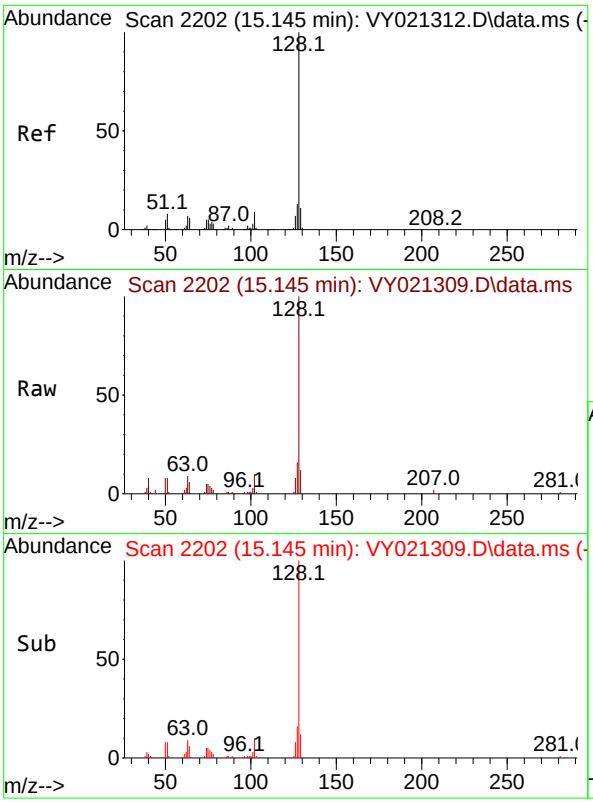


#94
Hexachlorobutadiene
Concen: 5.434 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:225 Resp: 7510

Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.8	95.4
227	58.3	31.9	95.7

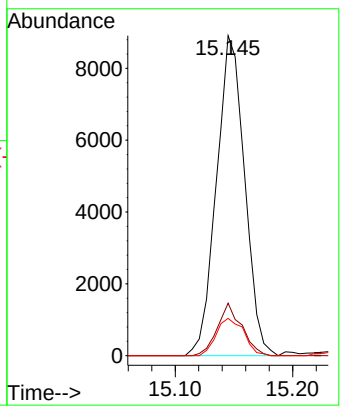




#95
Naphthalene
Concen: 4.078 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:128 Resp: 1482

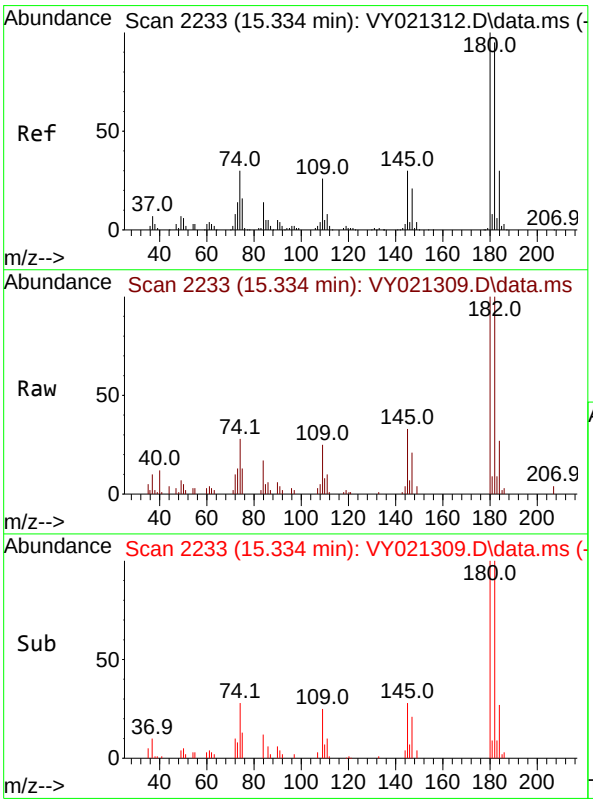
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	11.5	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

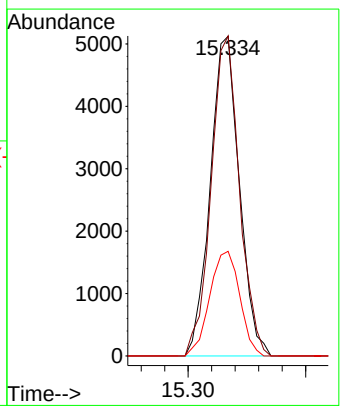
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.746 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:180 Resp: 8804

Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.3	144.9
145	33.8	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	185658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	289178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	250629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	18938	8.992	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	17.980%#		
35) Dibromofluoromethane	7.634	113	17267	9.108	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.220%#		
50) Toluene-d8	10.103	98	66979	9.141	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.280%#		
62) 4-Bromofluorobenzene	12.408	95	22364	9.069	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.140%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	17969	10.208	ug/l	99
3) Chloromethane	2.068	50	23321	10.259	ug/l	96
4) Vinyl Chloride	2.202	62	21933	9.830	ug/l	99
5) Bromomethane	2.592	94	15371	10.366	ug/l	92
6) Chloroethane	2.732	64	13561	9.801	ug/l	96
7) Trichlorofluoromethane	3.056	101	33977	10.083	ug/l	96
8) Diethyl Ether	3.452	74	9792	9.682	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	19660	10.077	ug/l	99
10) Methyl Iodide	4.001	142	17573	8.562	ug/l	99
11) Tert butyl alcohol	4.854	59	8754	54.037	ug/l #	81
12) 1,1-Dichloroethene	3.793	96	18141	9.711	ug/l	87
13) Acrolein	3.647	56	10715	86.313	ug/l	97
14) Allyl chloride	4.385	41	31462	9.499	ug/l	98
15) Acrylonitrile	5.061	53	21273	47.572	ug/l	98
16) Acetone	3.866	43	19023	47.086	ug/l	92
17) Carbon Disulfide	4.104	76	61336	9.888	ug/l	100
18) Methyl Acetate	4.379	43	9259	9.378	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	47090	9.541	ug/l	98
20) Methylene Chloride	4.610	84	22192	10.158	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	19921	9.687	ug/l	94
22) Diisopropyl ether	6.012	45	66598	9.717	ug/l	93
23) Vinyl Acetate	5.957	43	193291	47.195	ug/l	99
24) 1,1-Dichloroethane	5.909	63	38311	9.918	ug/l	98
25) 2-Butanone	6.896	43	28711	47.087	ug/l	99
26) 2,2-Dichloropropane	6.884	77	34859	9.945	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	22663	9.651	ug/l	99
28) Bromochloromethane	7.244	49	16417	9.605	ug/l	100
29) Tetrahydrofuran	7.262	42	18625	46.731	ug/l	99
30) Chloroform	7.415	83	38838	9.922	ug/l	97
31) Cyclohexane	7.701	56	38072	10.253	ug/l #	88
32) 1,1,1-Trichloroethane	7.616	97	35489	9.961	ug/l	99
36) 1,1-Dichloropropene	7.829	75	28171	9.892	ug/l	99
37) Ethyl Acetate	6.982	43	14219	10.038	ug/l	98
38) Carbon Tetrachloride	7.811	117	32494	10.149	ug/l	96
39) Methylcyclohexane	9.103	83	35431	9.837	ug/l	95
40) Benzene	8.079	78	83594	9.930	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	6845	8.642	ug/l		92
42) 1,2-Dichloroethane	8.158	62	24091	10.087	ug/l		99
43) Isopropyl Acetate	8.195	43	25874	9.436	ug/l		99
44) Trichloroethene	8.859	130	20823	9.880	ug/l		97
45) 1,2-Dichloropropane	9.140	63	20214	9.978	ug/l		98
46) Dibromomethane	9.231	93	10902	9.845	ug/l		99
47) Bromodichloromethane	9.420	83	29114	9.860	ug/l		97
48) Methyl methacrylate	9.219	41	11652	9.088	ug/l		96
49) 1,4-Dioxane	9.225	88	2309	187.520	ug/l		96
51) 4-Methyl-2-Pentanone	9.993	43	65698	46.808	ug/l		99
52) Toluene	10.170	92	51371	9.823	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	25218	9.322	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	30428	9.528	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	14509	10.057	ug/l		96
56) Ethyl methacrylate	10.438	69	17817	8.938	ug/l		96
57) 1,3-Dichloropropane	10.713	76	24769	9.784	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	42304	44.215	ug/l		100
59) 2-Hexanone	10.755	43	42123	45.697	ug/l		99
60) Dibromochloromethane	10.908	129	18793	9.565	ug/l		96
61) 1,2-Dibromoethane	11.011	107	13351	9.775	ug/l		98
64) Tetrachloroethene	10.646	164	19065	10.064	ug/l		97
65) Chlorobenzene	11.438	112	55689	9.899	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	20089	10.198	ug/l		98
67) Ethyl Benzene	11.517	91	97299	9.764	ug/l		99
68) m/p-Xylenes	11.627	106	73991	19.740	ug/l		99
69) o-Xylene	11.950	106	33822	9.632	ug/l		99
70) Styrene	11.969	104	56550	9.679	ug/l		99
71) Bromoform	12.133	173	11067	9.820	ug/l	#	100
73) Isopropylbenzene	12.255	105	90221	9.590	ug/l		100
74) N-amyl acetate	12.066	43	21370	8.937	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	16246	9.785	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	13699m	10.871	ug/l		
77) Bromobenzene	12.529	156	21097	9.641	ug/l		99
78) n-propylbenzene	12.597	91	110190	9.652	ug/l		99
79) 2-Chlorotoluene	12.682	91	64018	9.771	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	74498	9.655	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	5238	9.295	ug/l		96
82) 4-Chlorotoluene	12.773	91	66701	9.821	ug/l		100
83) tert-Butylbenzene	12.999	119	68905	9.886	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	74032	9.647	ug/l		99
85) sec-Butylbenzene	13.176	105	100189	9.841	ug/l		99
86) p-Isopropyltoluene	13.292	119	81769	9.619	ug/l		98
87) 1,3-Dichlorobenzene	13.285	146	43267	9.996	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	42788	10.006	ug/l		98
89) n-Butylbenzene	13.615	91	76325	9.541	ug/l		99
90) Hexachloroethane	13.877	117	17261	9.721	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	37522	9.894	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2424	9.229	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	21234	9.174	ug/l		97
94) Hexachlorobutadiene	15.023	225	14346	9.845	ug/l		99
95) Naphthalene	15.145	128	32094	8.371	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	17983	9.195	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

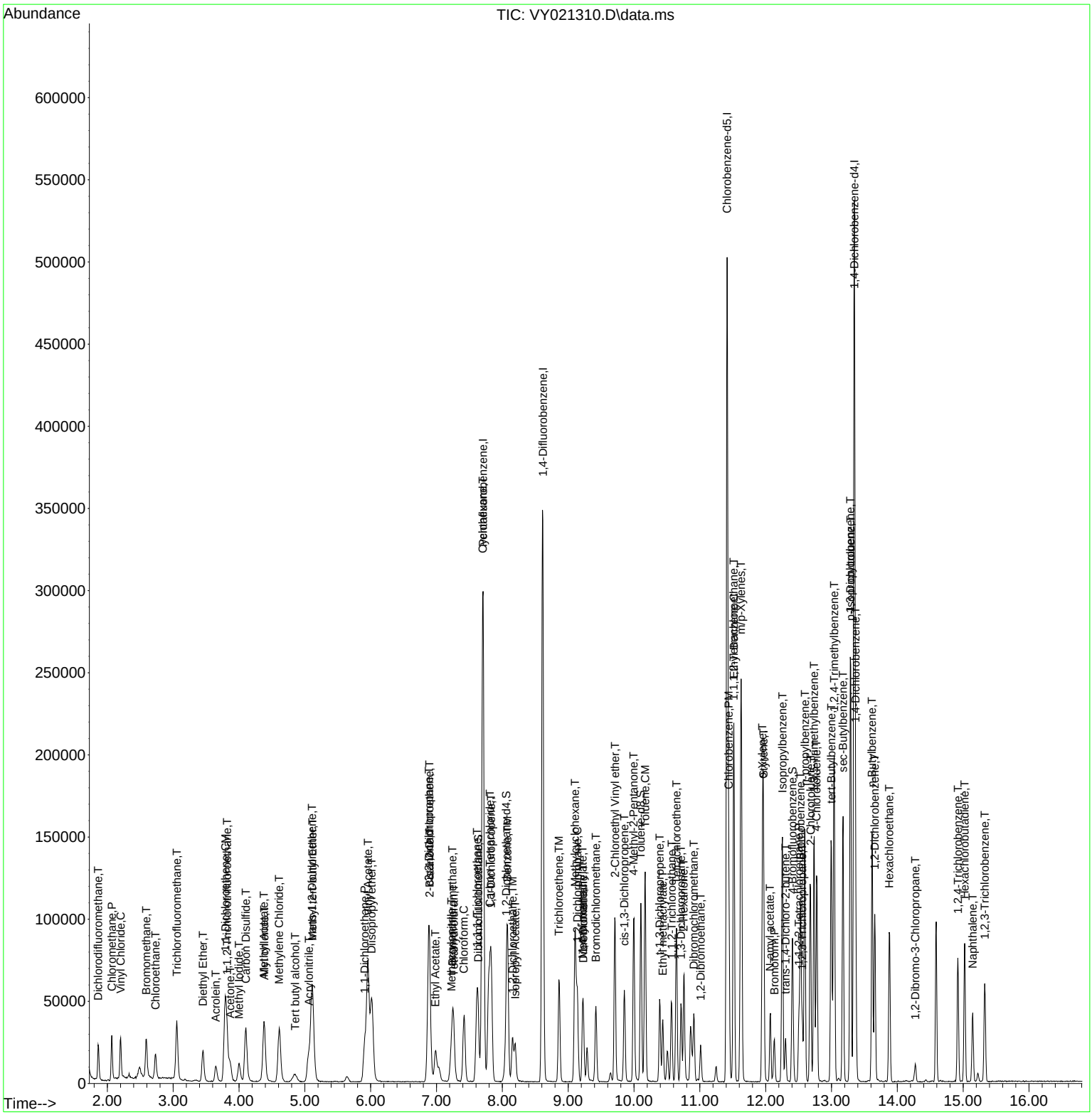
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

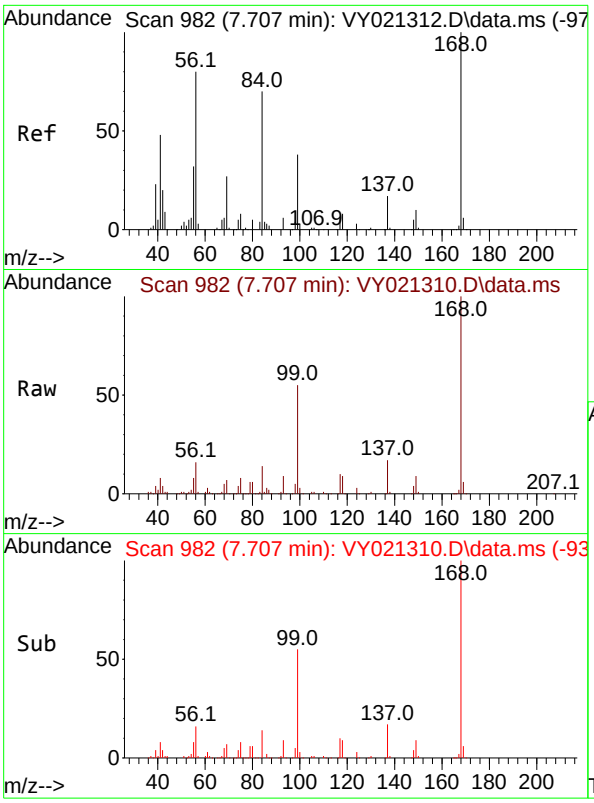
Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

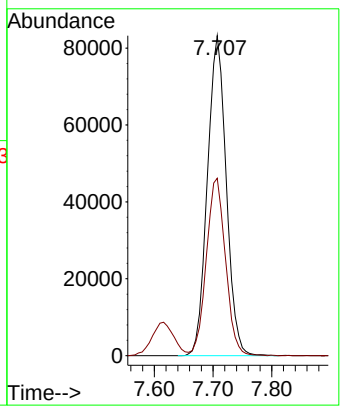




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:168 Resp: 18565

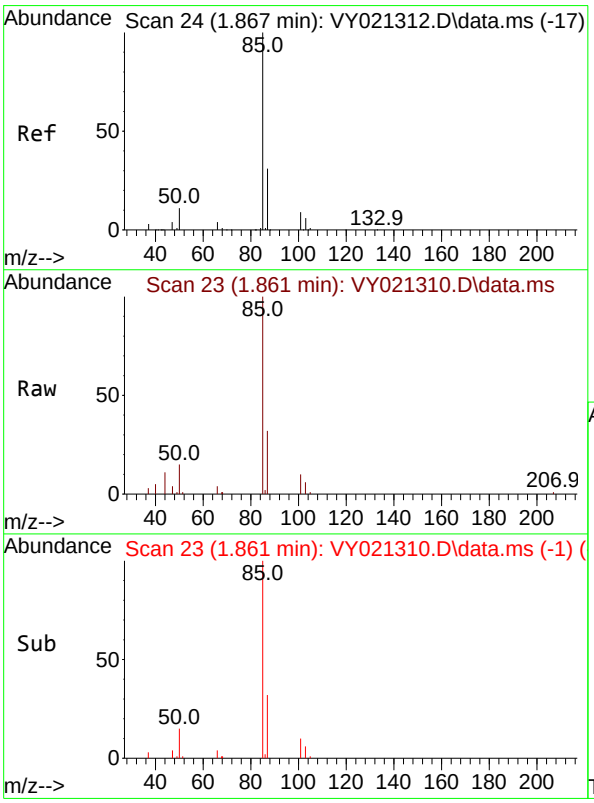
Ion	Ratio	Lower	Upper
168	100		
99	55.4	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

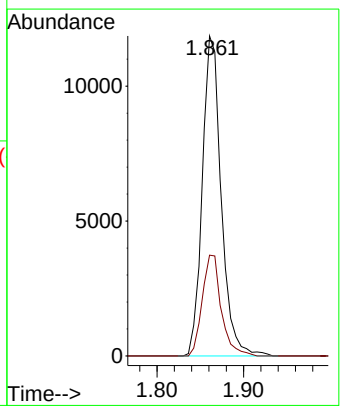
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

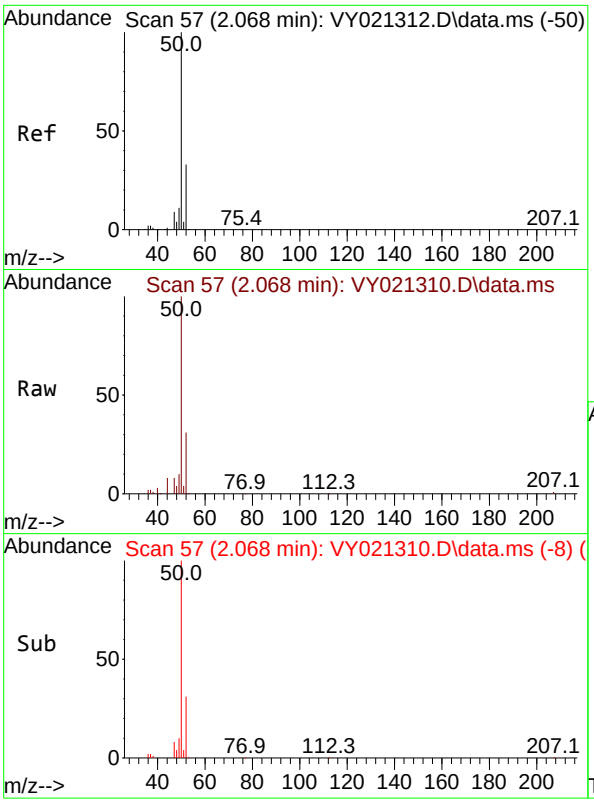


#2
Dichlorodifluoromethane
Concen: 10.208 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 85 Resp: 17969

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.4

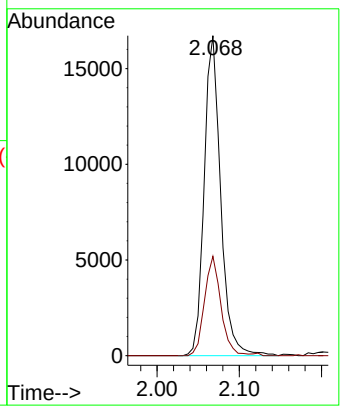




#3
Chloromethane
Concen: 10.259 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 50 Resp: 2332

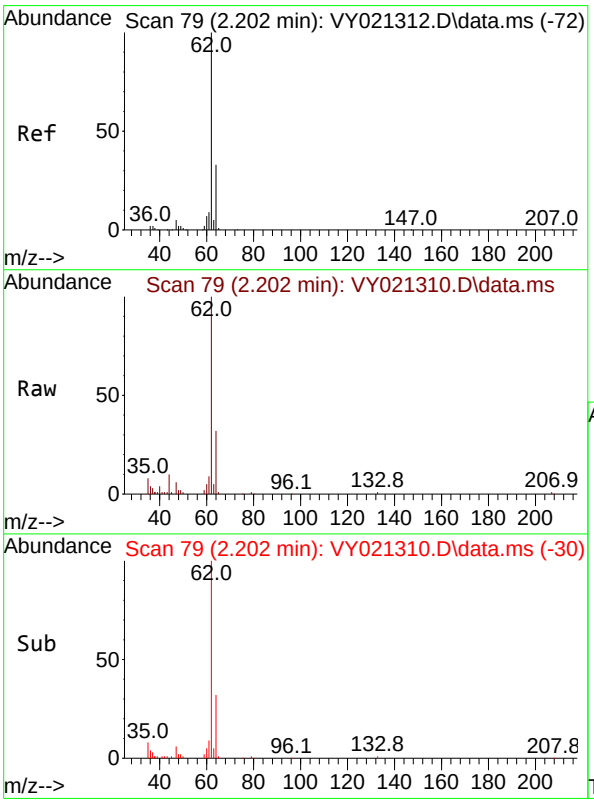
Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

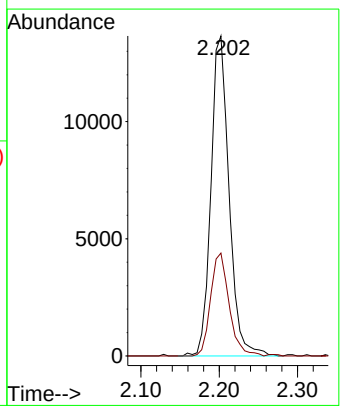
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

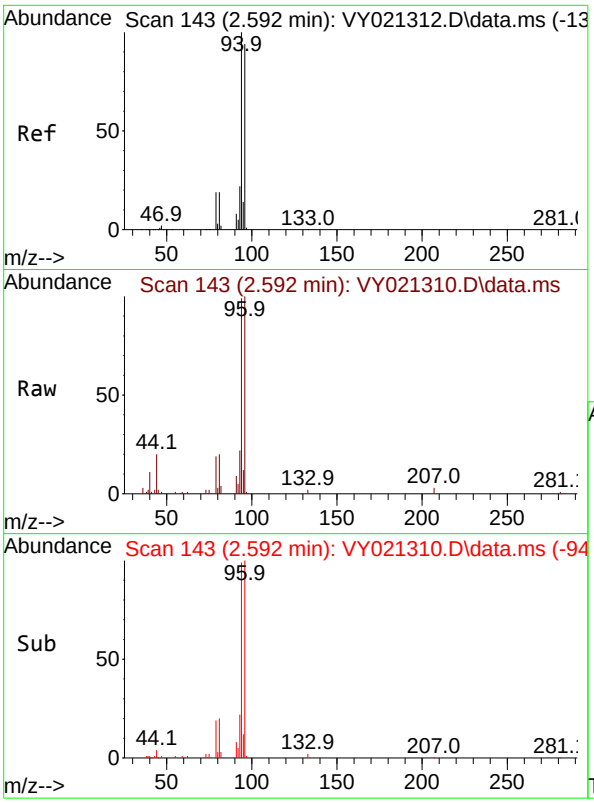


#4
Vinyl Chloride
Concen: 9.830 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 21933

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.3	39.5





#5
Bromomethane
Concen: 10.366 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 94 Resp: 1537

Ion	Ratio	Lower	Upper
94	100		
96	101.5	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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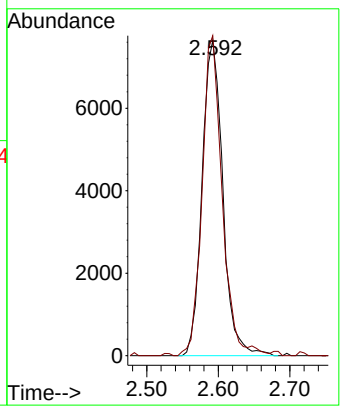
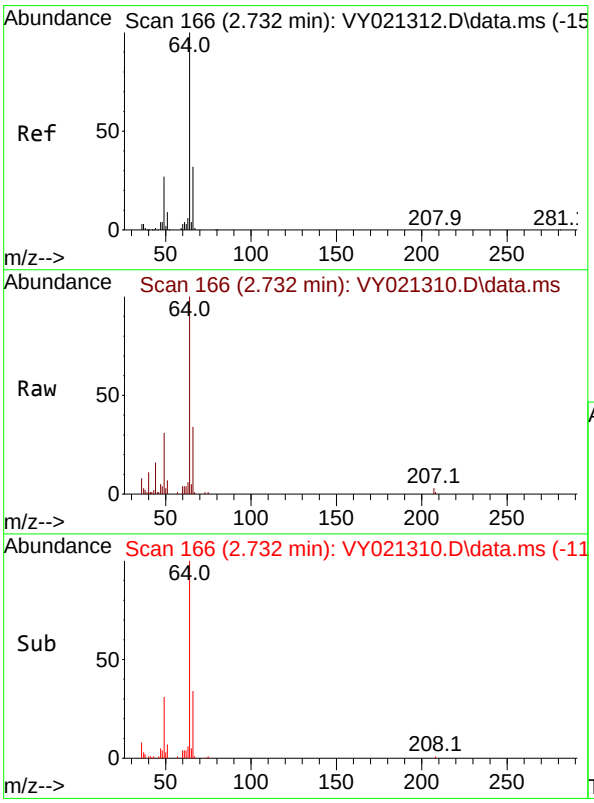
Supervised By :Mahesh Dadoda 02/26/2025

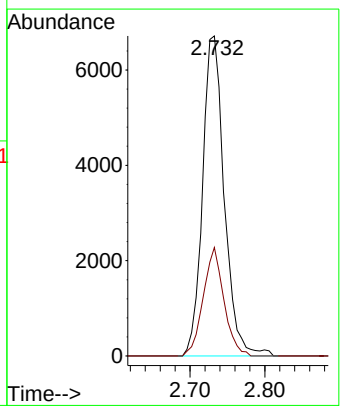


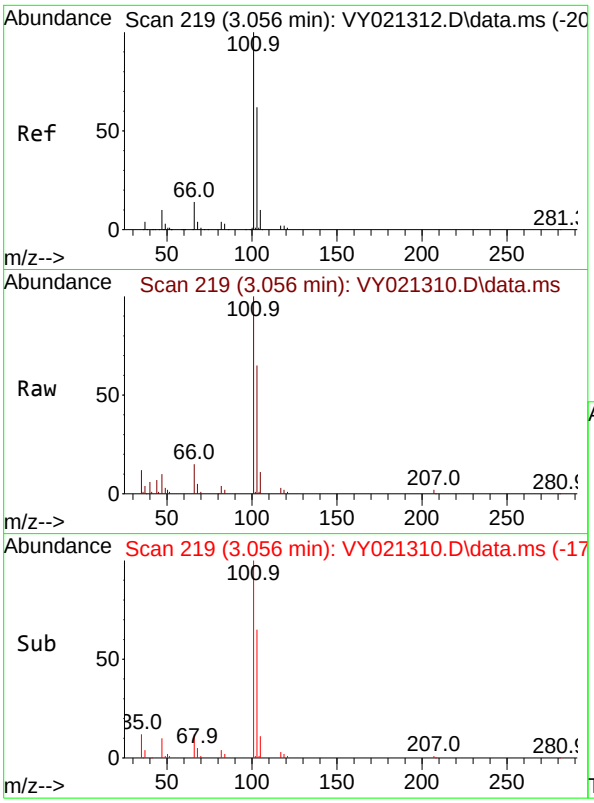


#6
Chloroethane
Concen: 9.801 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 64 Resp: 13561

Ion	Ratio	Lower	Upper
64	100		
66	33.9	25.4	38.0

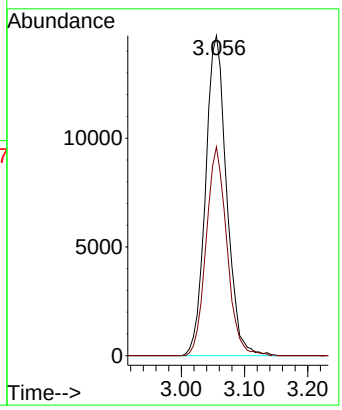




#7
Trichlorofluoromethane
Concen: 10.083 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:101 Resp: 3397

Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
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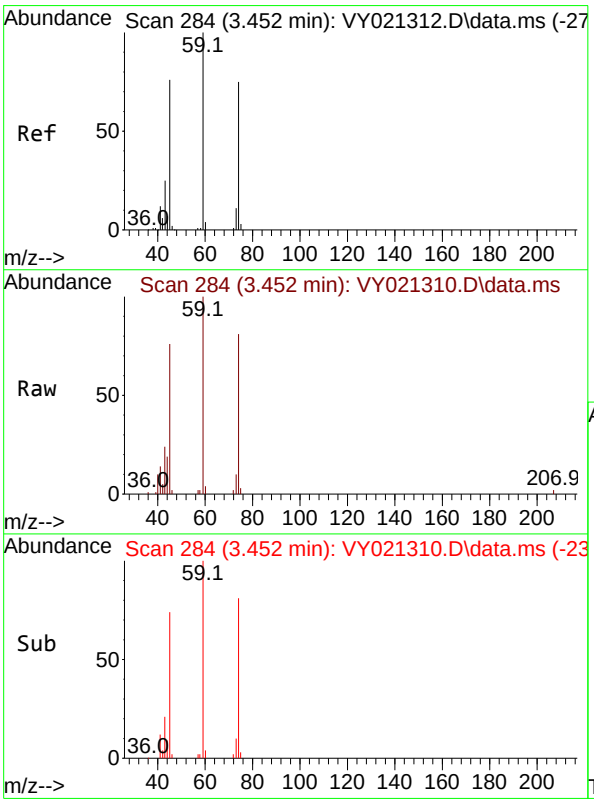
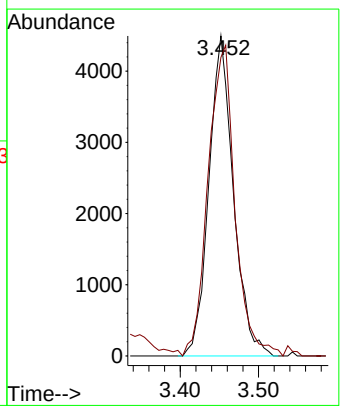
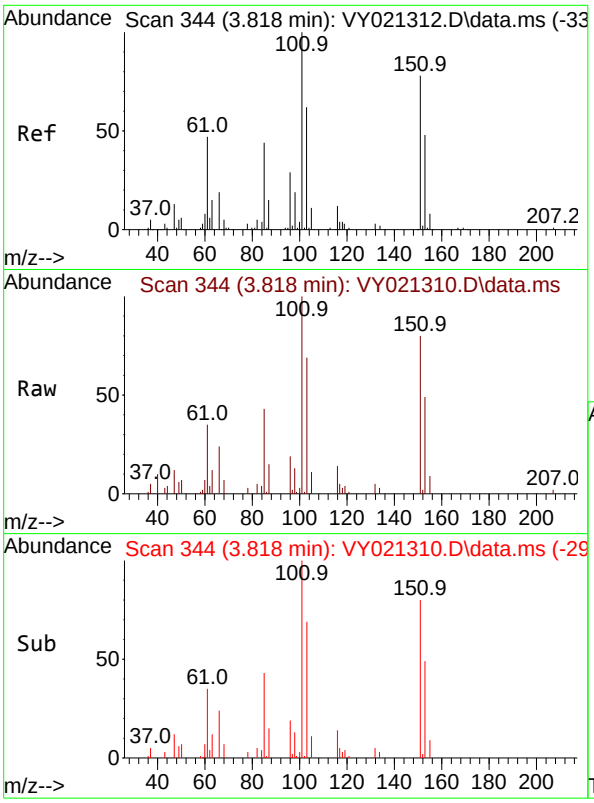


#8
Diethyl Ether
Concen: 9.682 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 74 Resp: 9792

Ion	Ratio	Lower	Upper
74	100		
45	106.0	50.3	150.9

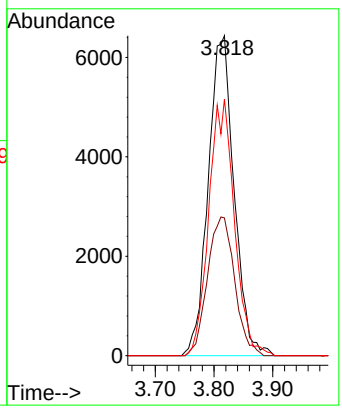




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.077 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:101 Resp: 1966

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.7	55.1
151	79.5	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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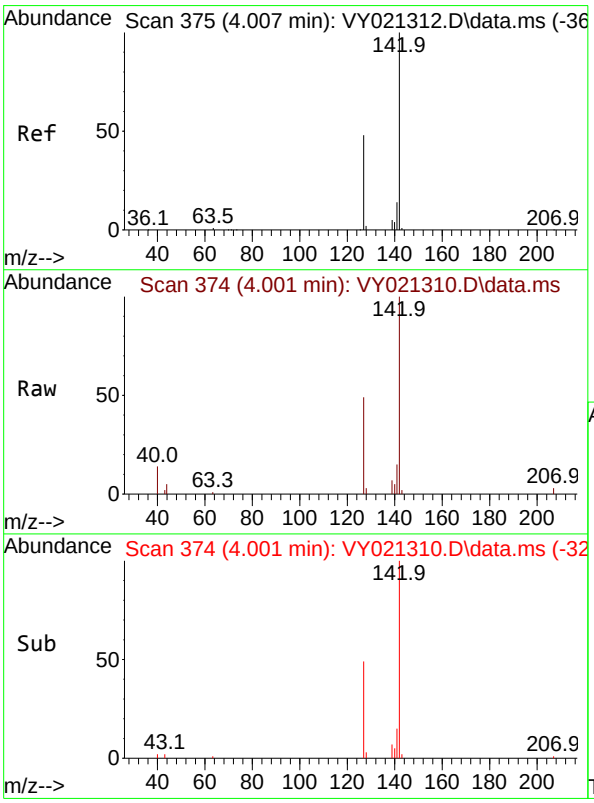
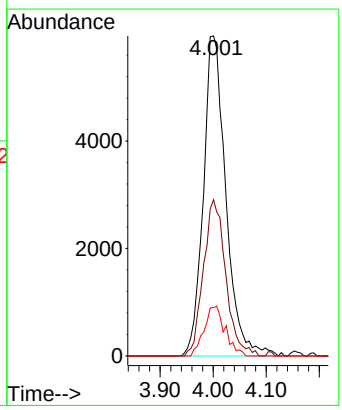
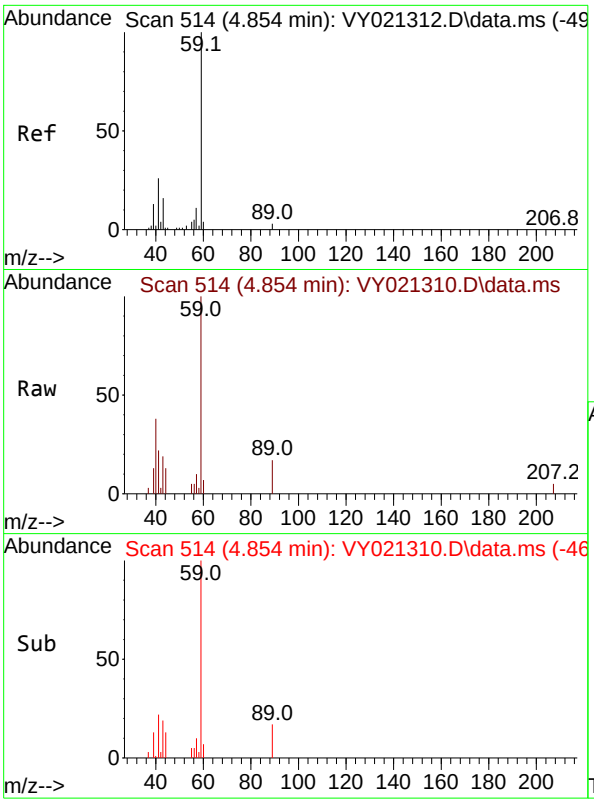


#10
Methyl Iodide
Concen: 8.562 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:142 Resp: 17573

Ion	Ratio	Lower	Upper
142	100		
127	48.3	39.2	58.8
141	14.5	11.4	17.2

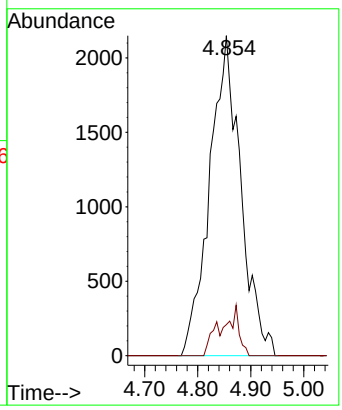




#11
Tert butyl alcohol
Concen: 54.037 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 59 Resp: 875

Ion	Ratio	Lower	Upper
59	100		
57	3.1	8.3	12.5



Instrument :
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ClientSampleId :
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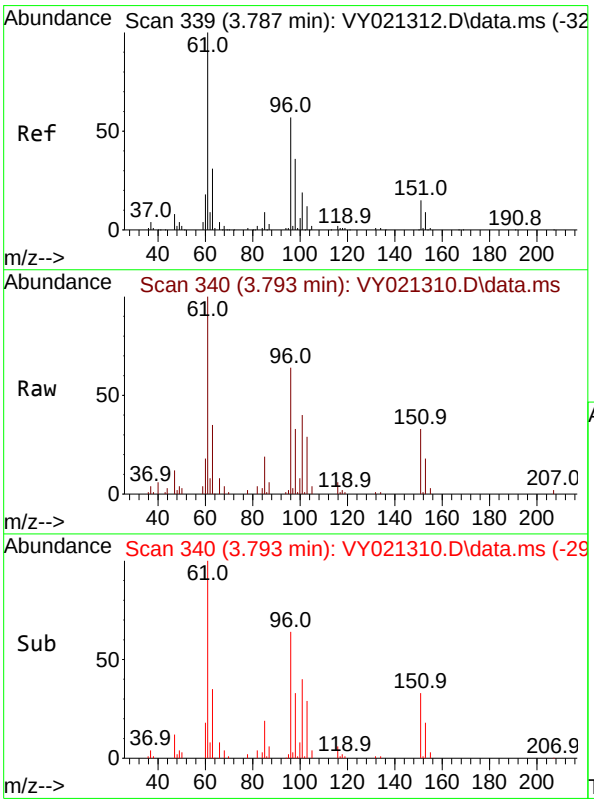
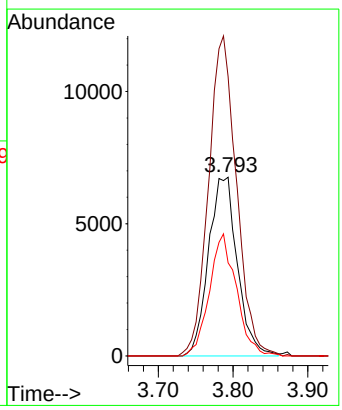
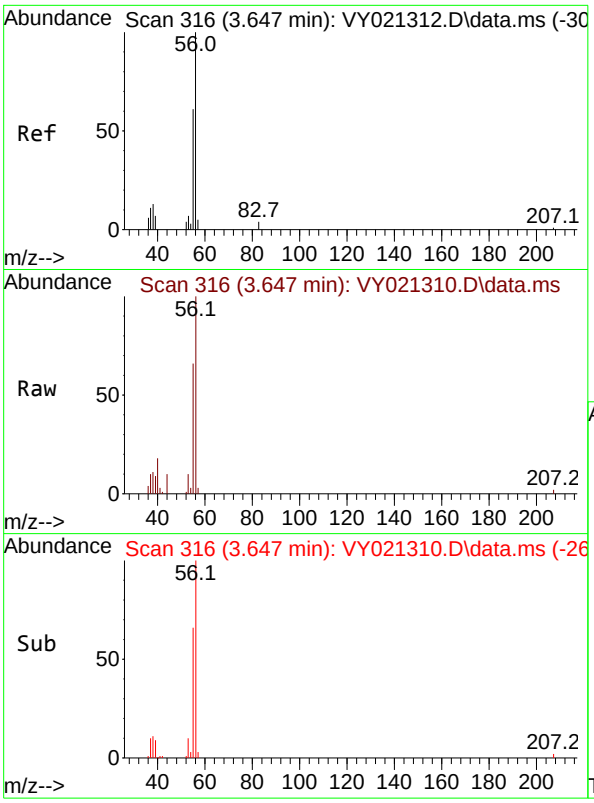


#12
1,1-Dichloroethene
Concen: 9.711 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 18141

Ion	Ratio	Lower	Upper
96	100		
61	156.3	139.7	209.5
98	52.1	49.7	74.5

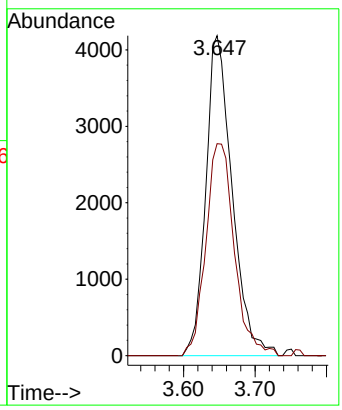




#13
Acrolein
Concen: 86.313 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 56 Resp: 1071

Ion	Ratio	Lower	Upper
56	100		
55	71.4	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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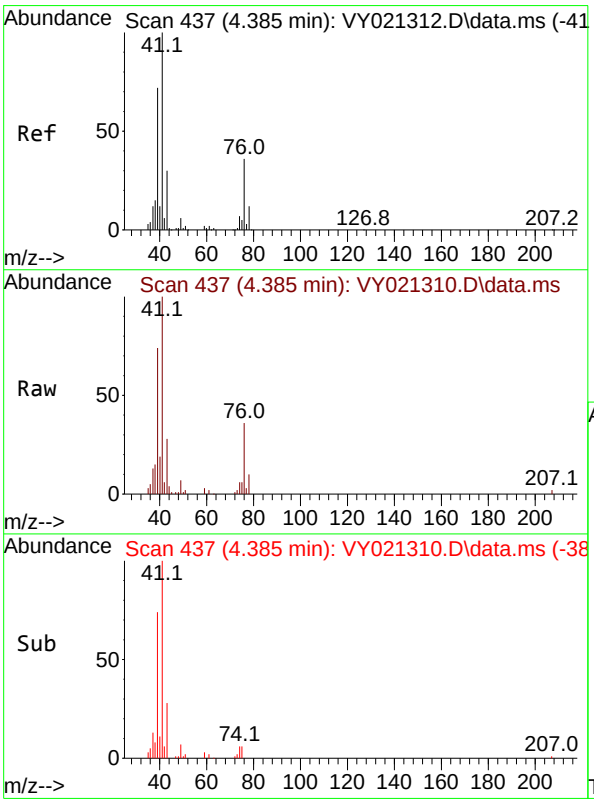
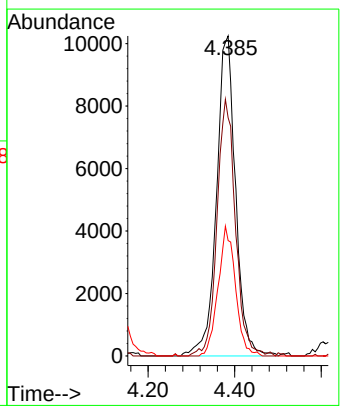
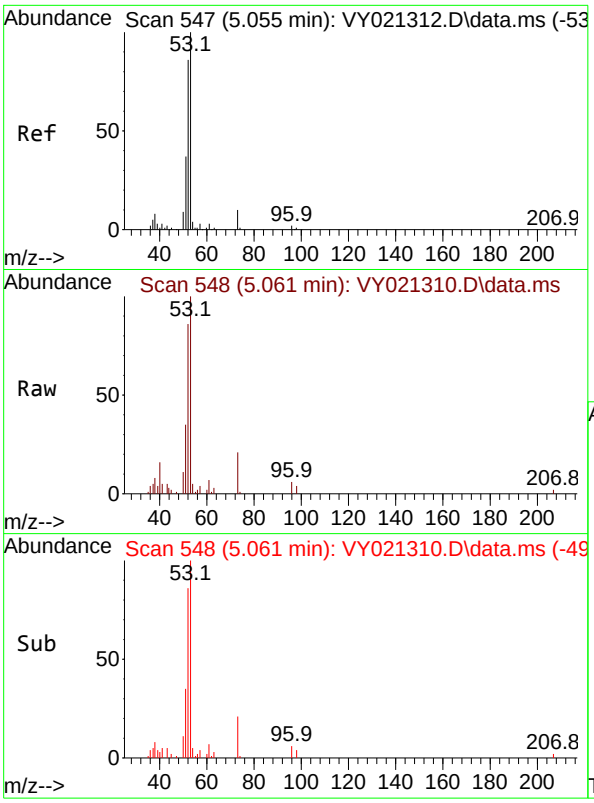


#14
Allyl chloride
Concen: 9.499 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 31462

Ion	Ratio	Lower	Upper
41	100		
39	77.2	60.0	90.0
76	36.9	29.0	43.6

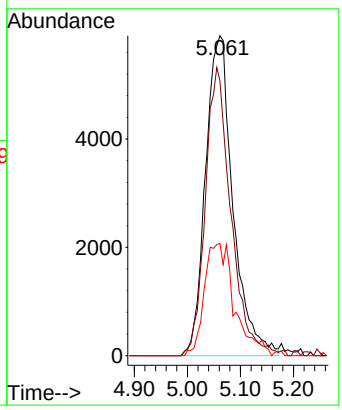




#15
Acrylonitrile
Concen: 47.572 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 53 Resp: 2127

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.5	98.3
51	38.5	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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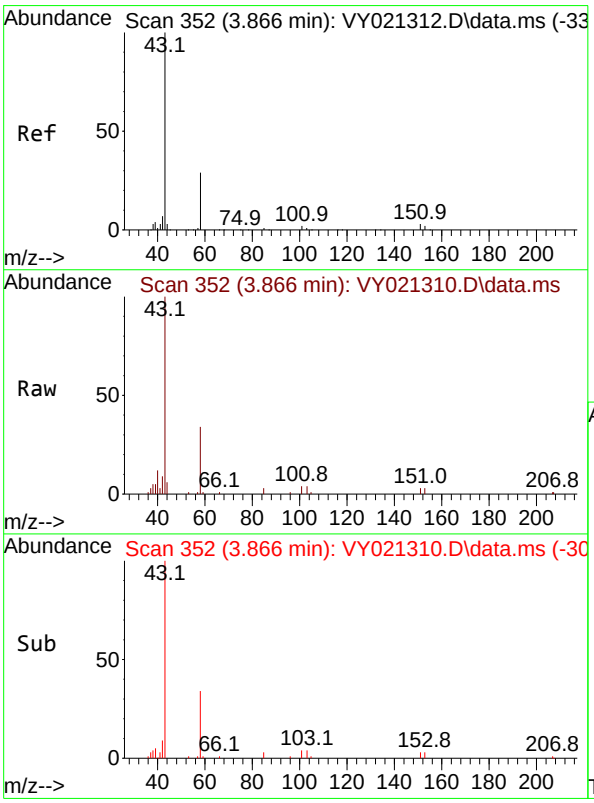
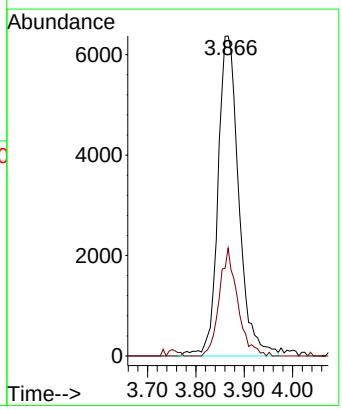
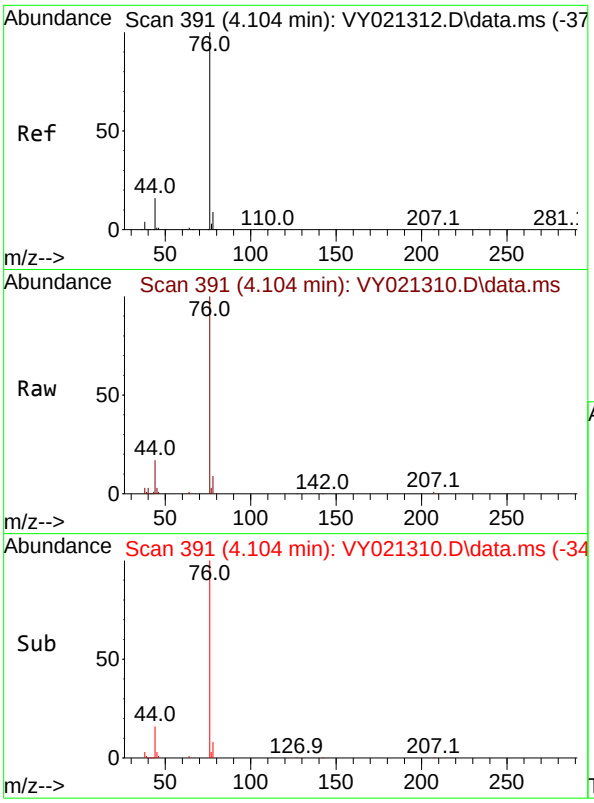


#16
Acetone
Concen: 47.086 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 19023

Ion	Ratio	Lower	Upper
43	100		
58	33.7	23.5	35.3

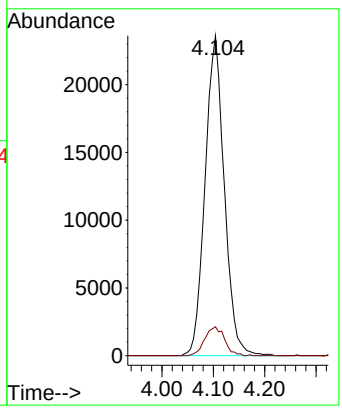




#17
Carbon Disulfide
Concen: 9.888 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 76 Resp: 6133

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
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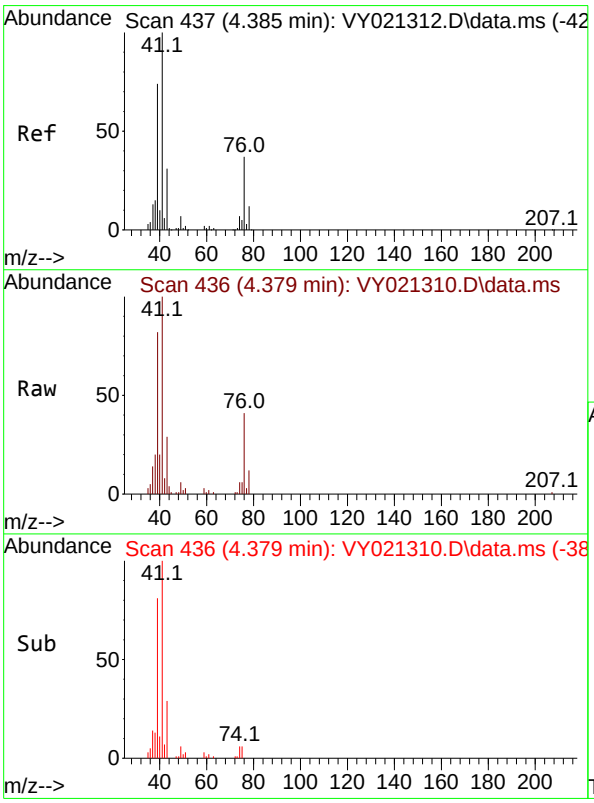
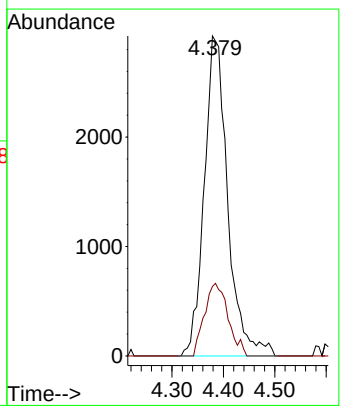
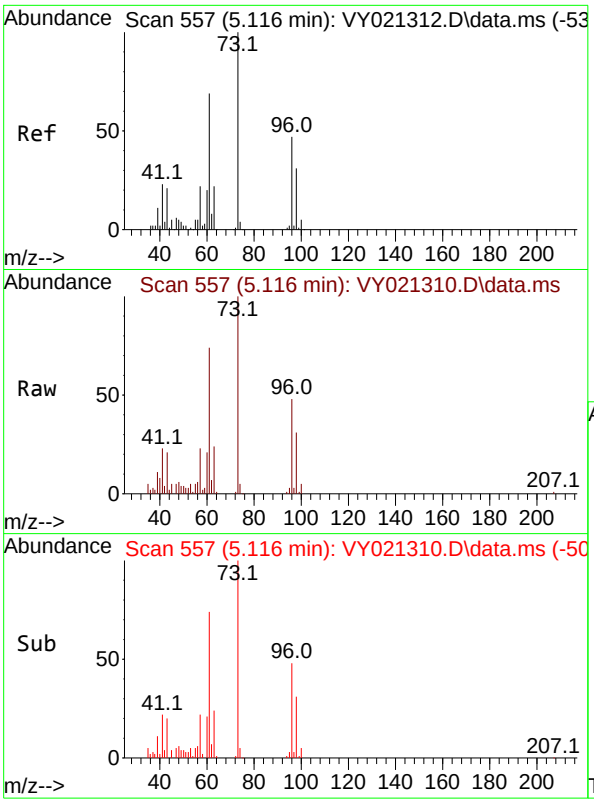


#18
Methyl Acetate
Concen: 9.378 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 9259

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.7	26.5

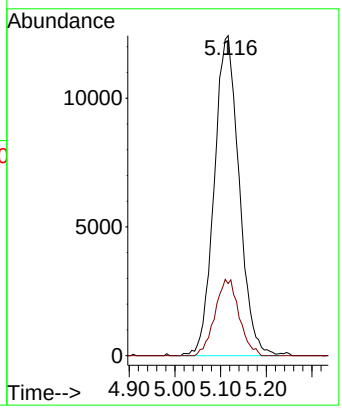




#19
Methyl tert-butyl Ether
Concen: 9.541 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 73 Resp: 4709

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
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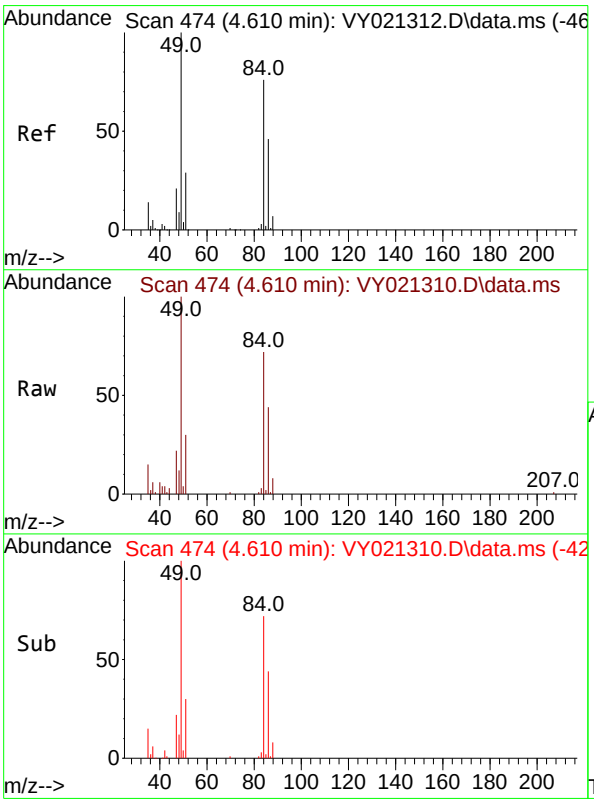
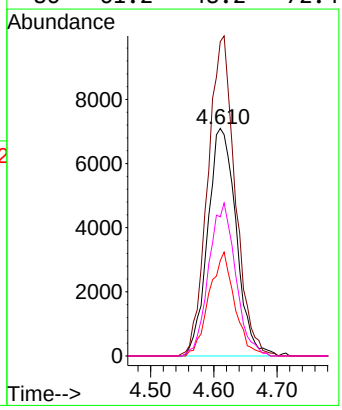
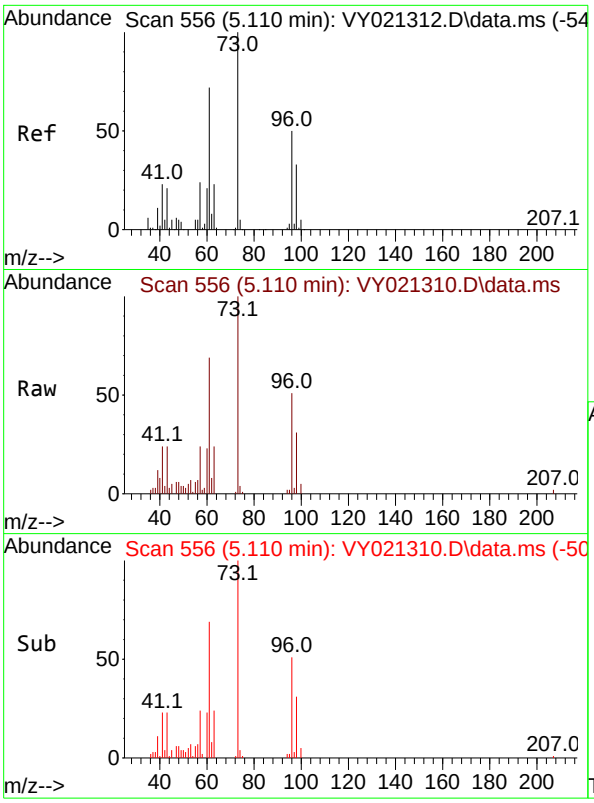


#20
Methylene Chloride
Concen: 10.158 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 84 Resp: 22192

Ion	Ratio	Lower	Upper
84	100		
49	138.2	105.1	157.7
51	41.9	31.0	46.4
86	61.2	48.2	72.4

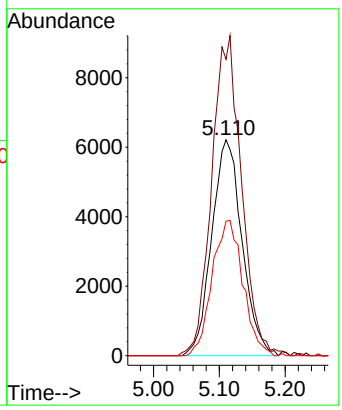




#21
trans-1,2-Dichloroethene
Concen: 9.687 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 1992

Ion	Ratio	Lower	Upper
96	100		
61	137.3	116.3	174.5
98	62.3	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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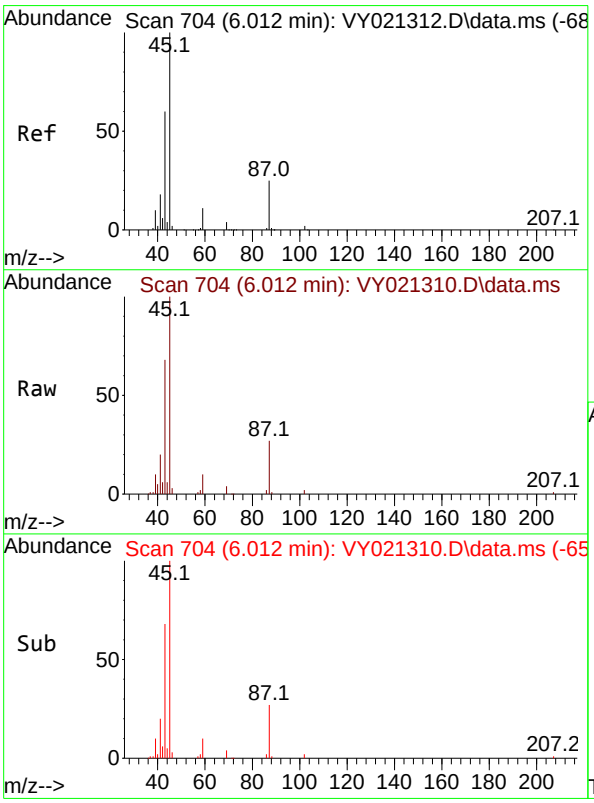
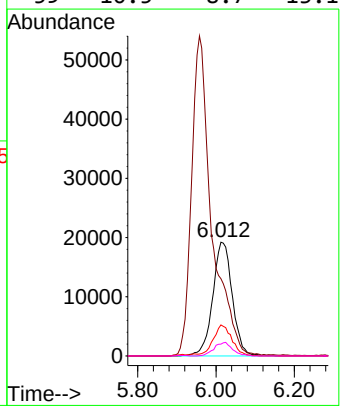
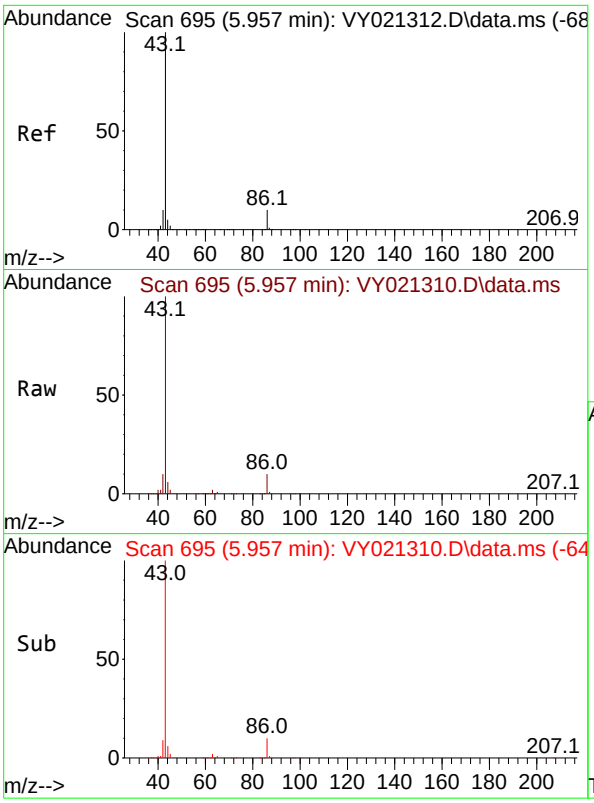


#22
Diisopropyl ether
Concen: 9.717 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 45 Resp: 66598

Ion	Ratio	Lower	Upper
45	100		
43	67.4	48.2	72.4
87	27.4	20.3	30.5
59	10.5	8.7	13.1





#23
Vinyl Acetate
Concen: 47.195 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 19329

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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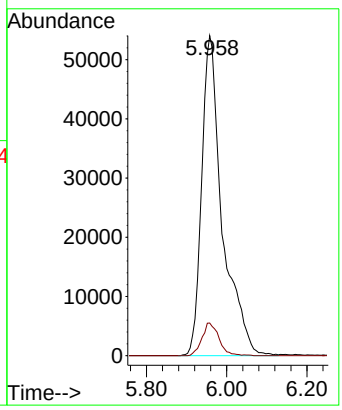
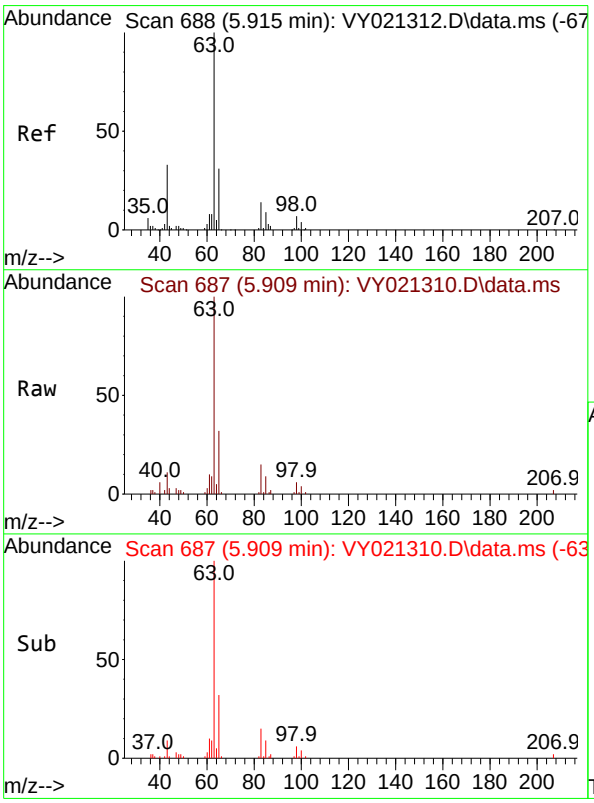
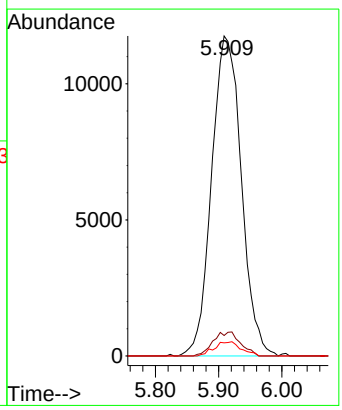


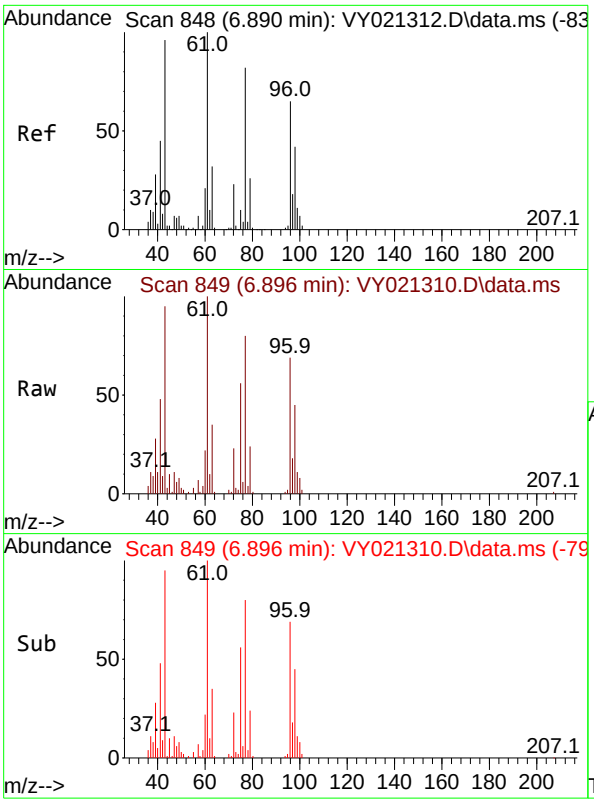


#24
1,1-Dichloroethane
Concen: 9.918 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 38311

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.7	11.1
100	4.1	2.1	6.5

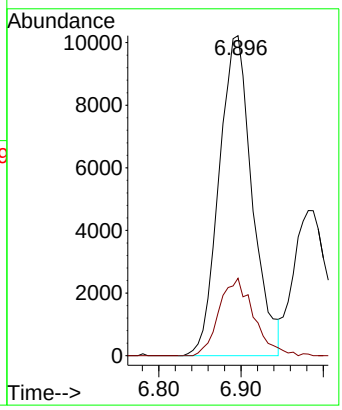




#25
2-Butanone
Concen: 47.087 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 2871

Ion	Ratio	Lower	Upper
43	100		
72	24.2	19.0	28.6



Instrument :
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ClientSampleId :
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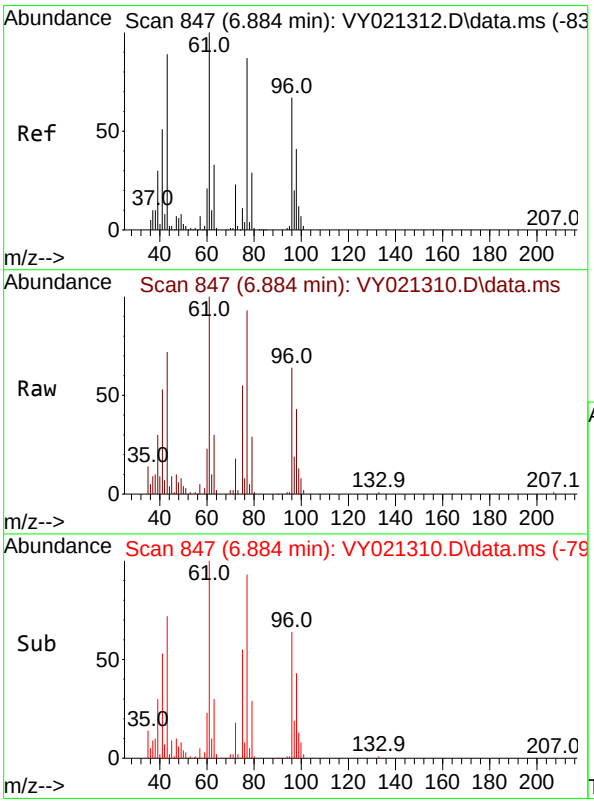
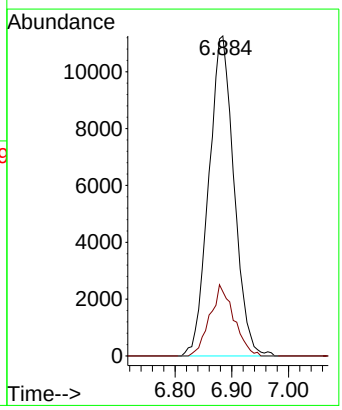
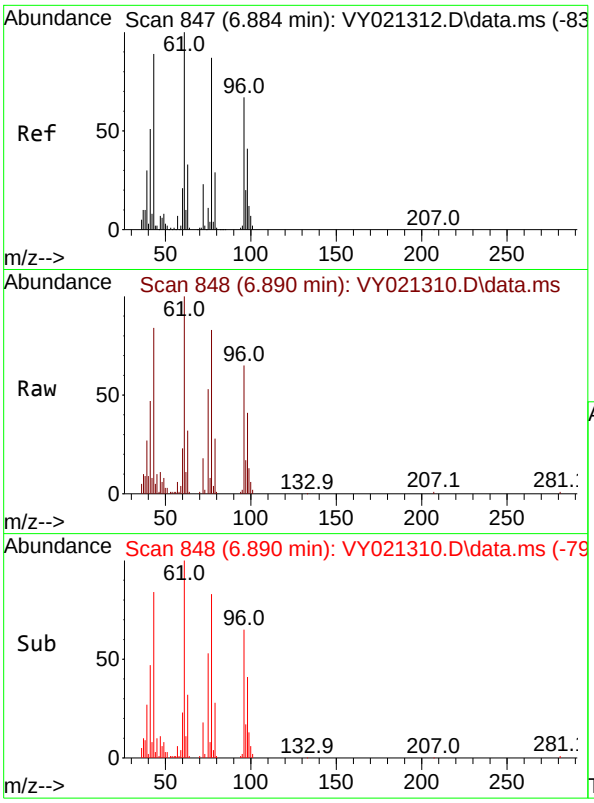


#26
2,2-Dichloropropane
Concen: 9.945 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 77 Resp: 34859

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 9.651 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 2266

Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	308.0
98	63.9	0.0	129.6

Instrument :
MSVOA_Y
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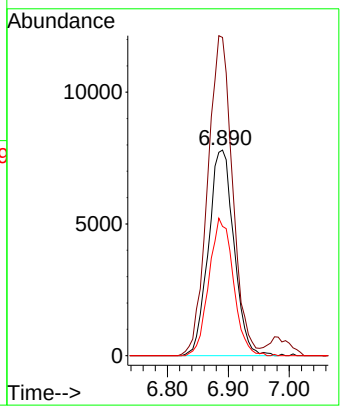
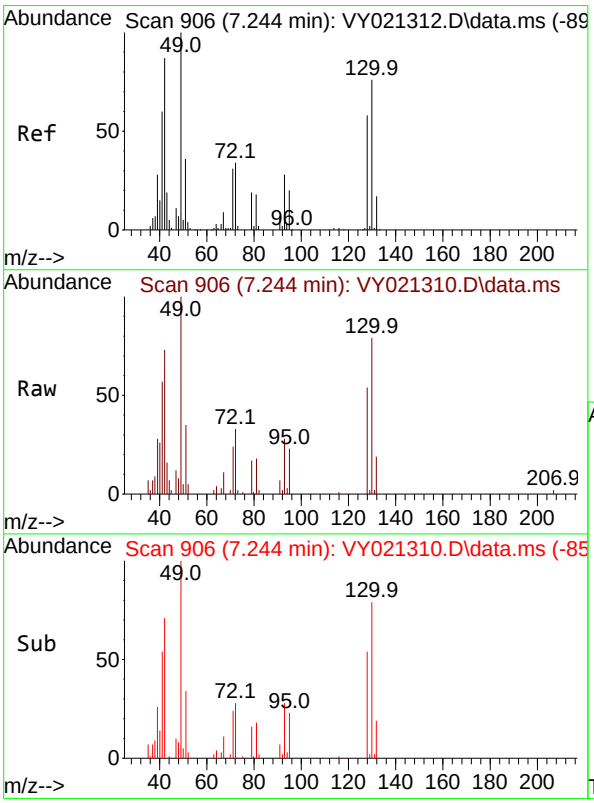
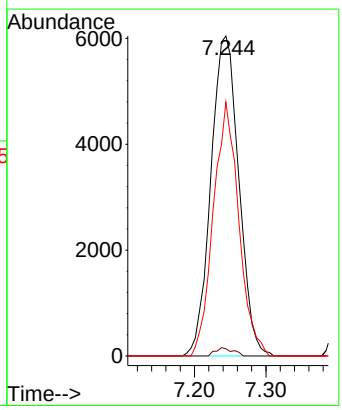


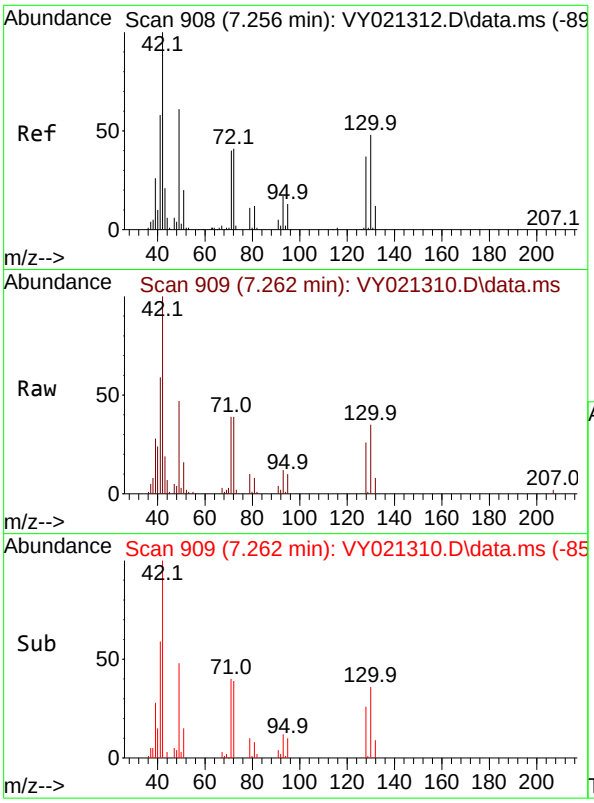


#28
Bromochloromethane
Concen: 9.605 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 49 Resp: 16417

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	72.2	57.8	86.6

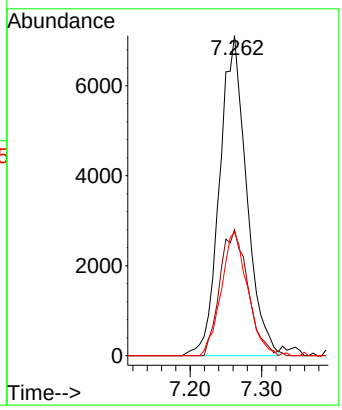




#29
Tetrahydrofuran
Concen: 46.731 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 42 Resp: 1862

Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.1	49.7
71	38.1	31.4	47.0



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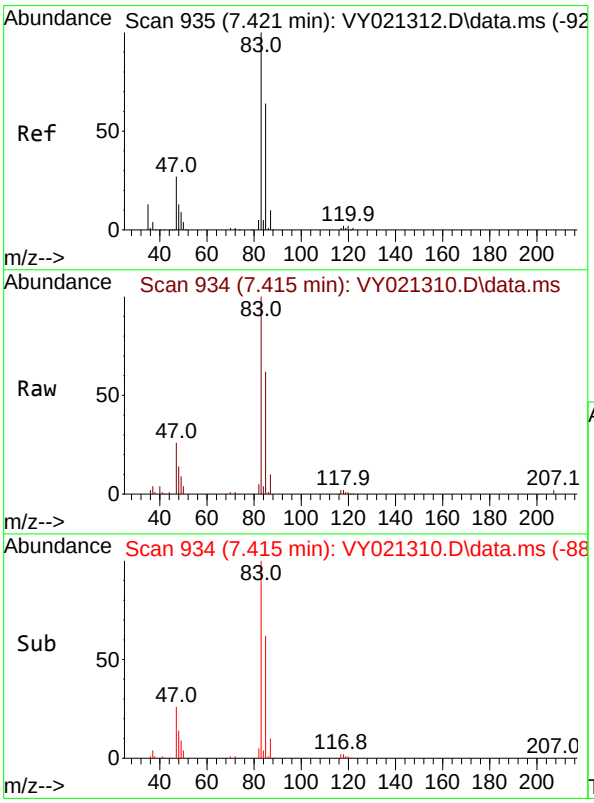
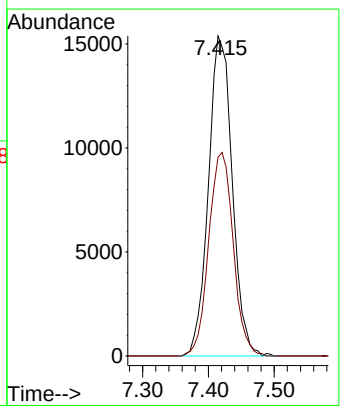
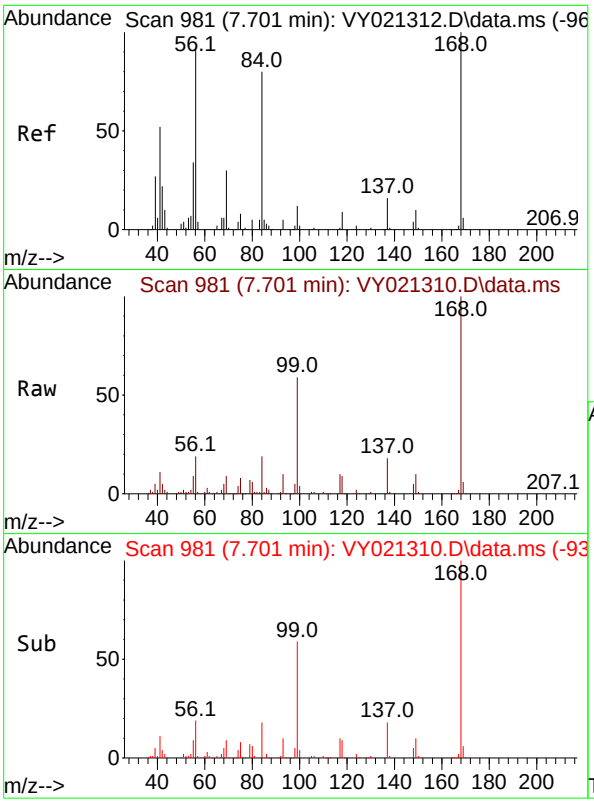


#30
Chloroform
Concen: 9.922 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 38838

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.6	77.4

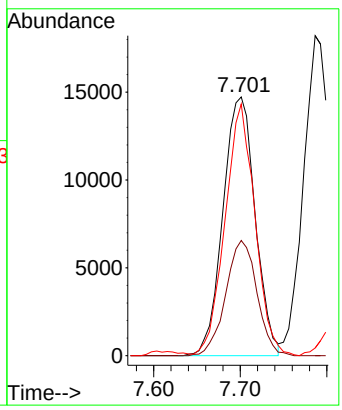




#31
Cyclohexane
Concen: 10.253 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 56 Resp: 3807

Ion	Ratio	Lower	Upper
56	100		
69	44.5	26.2	39.4
84	96.3	70.2	105.4



Instrument :
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ClientSampleId :
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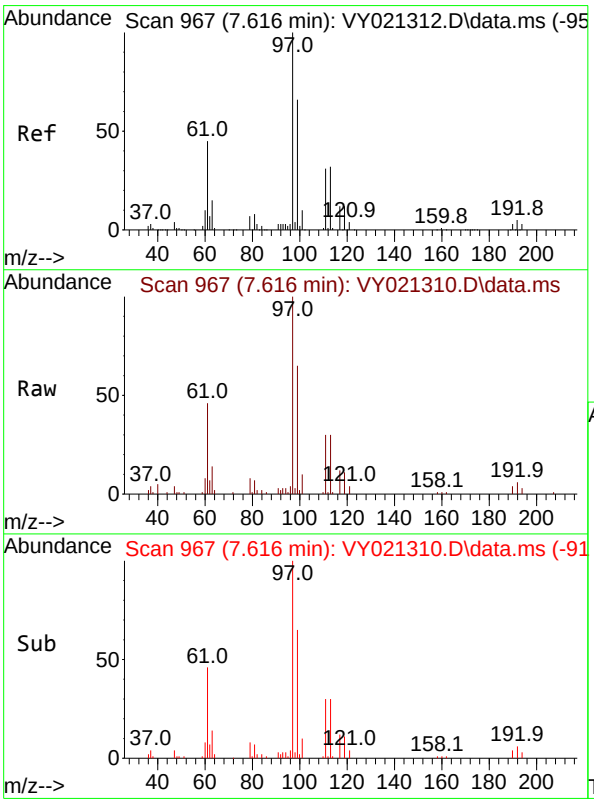
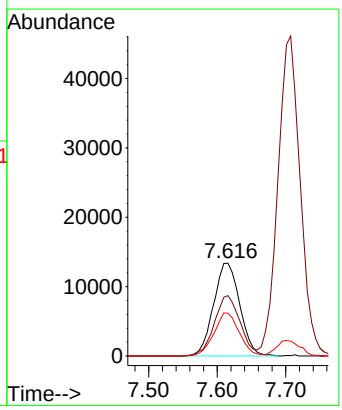
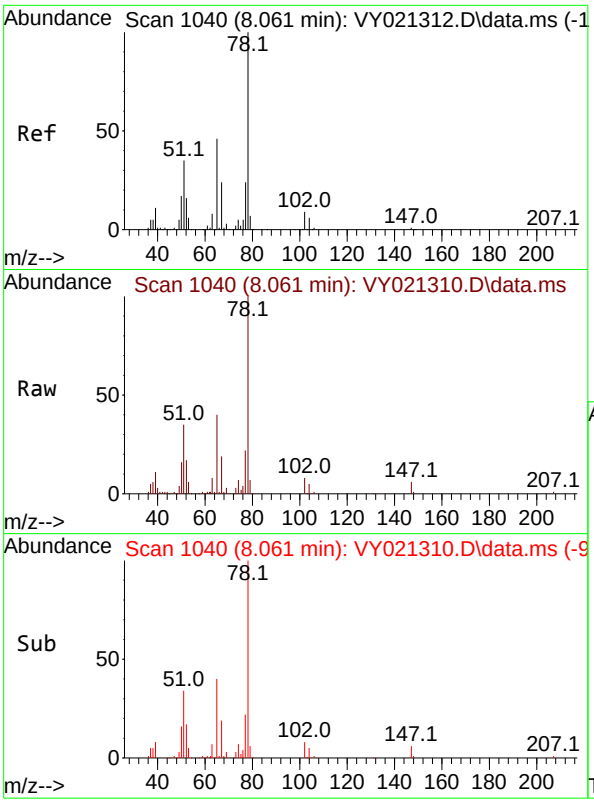


#32
1,1,1-Trichloroethane
Concen: 9.961 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 97 Resp: 35489

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	45.1	36.2	54.2

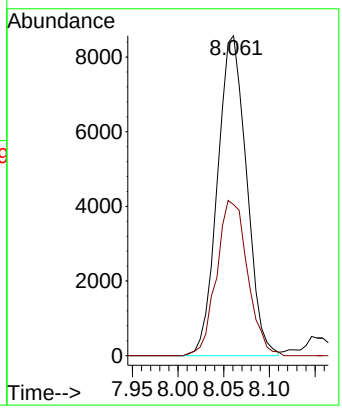




#33
1,2-Dichloroethane-d4
Concen: 8.992 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 65 Resp: 1893

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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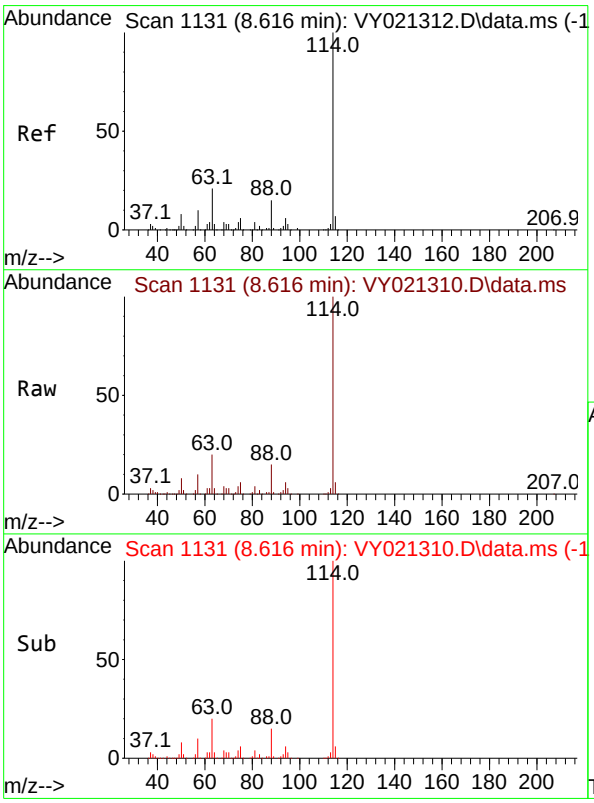
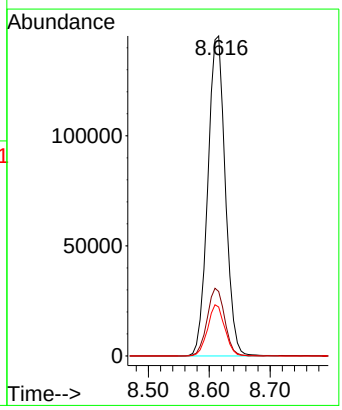
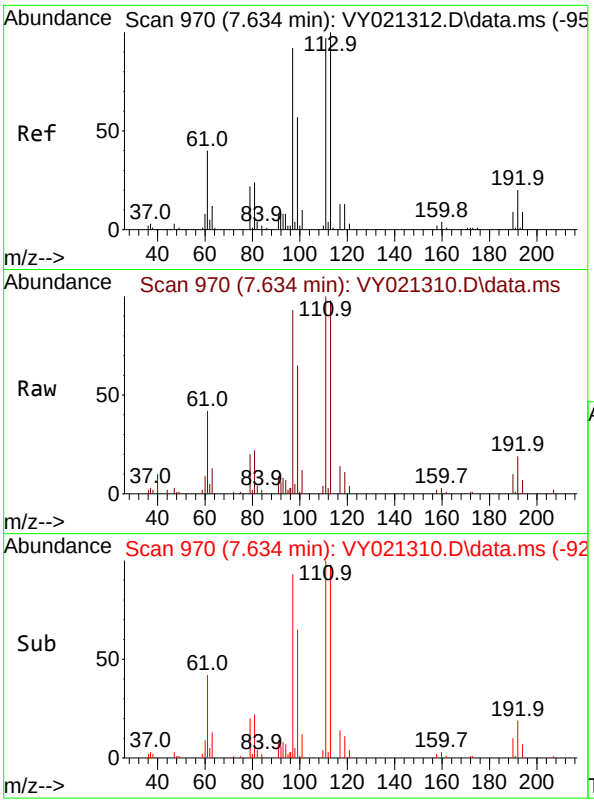


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:114 Resp: 289178

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.2
88	15.3	0.0	29.8

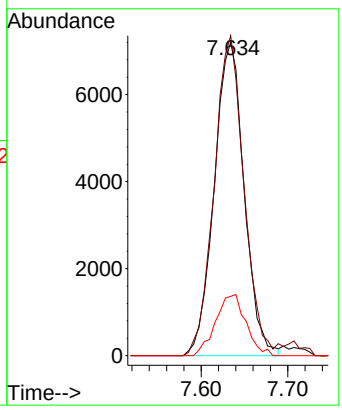




#35
Dibromofluoromethane
Concen: 9.108 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:113 Resp: 1726

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.6
192	19.7	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
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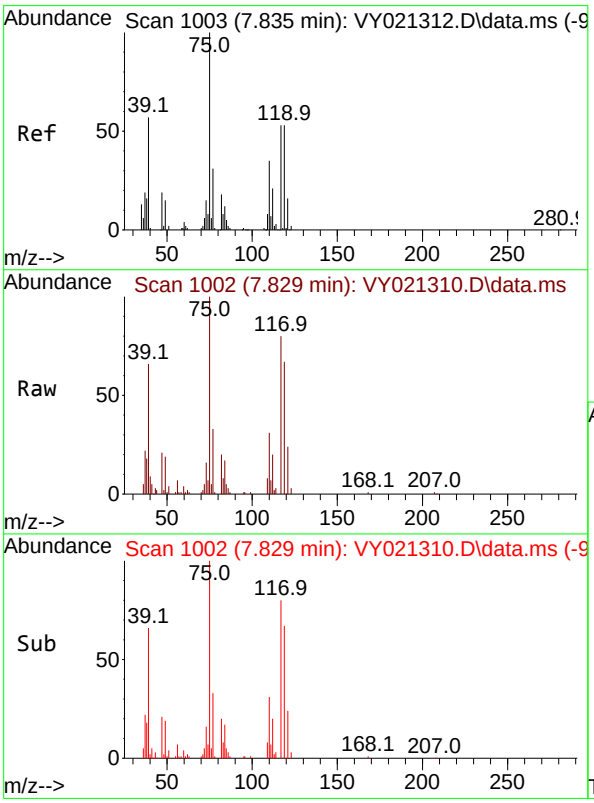
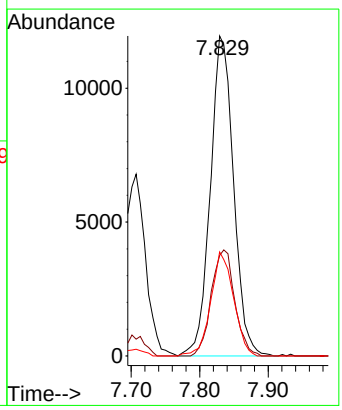
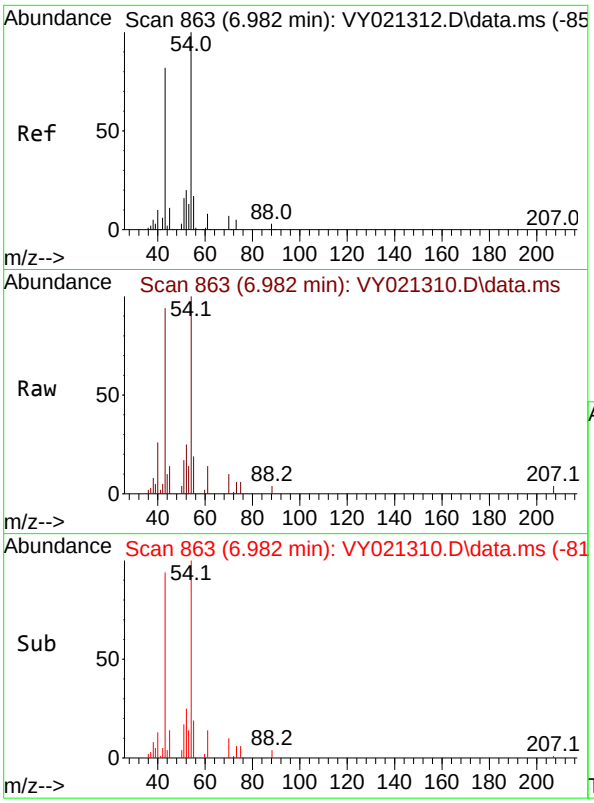


#36
1,1-Dichloropropene
Concen: 9.892 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 28171

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	31.9	24.6	36.8

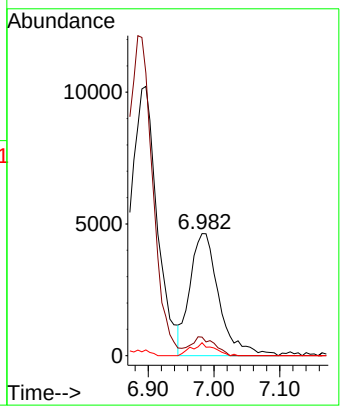




#37
Ethyl Acetate
Concen: 10.038 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 1421

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	8.0	7.5	11.3



Instrument :
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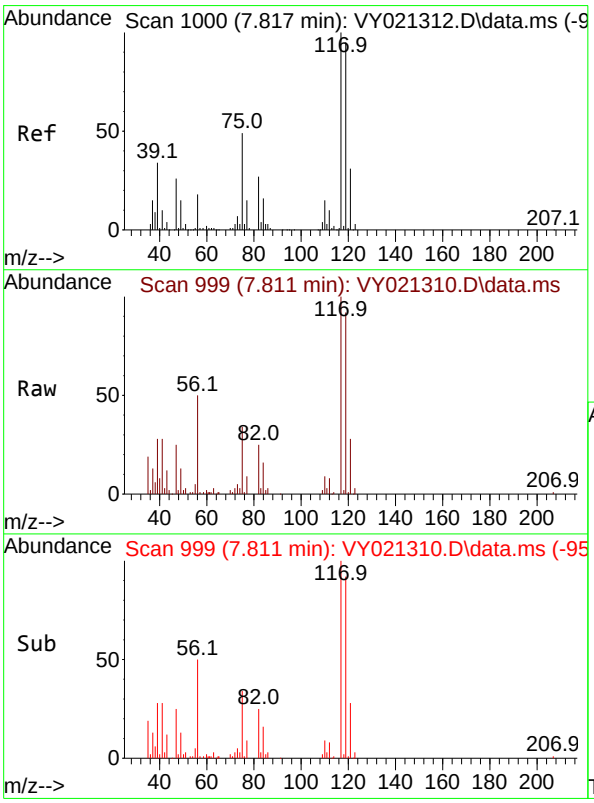
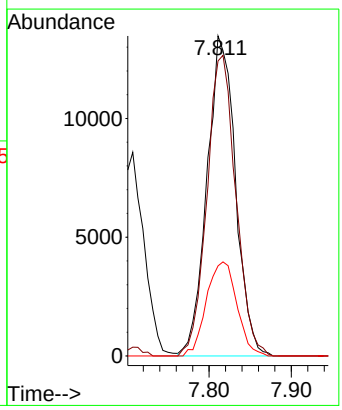
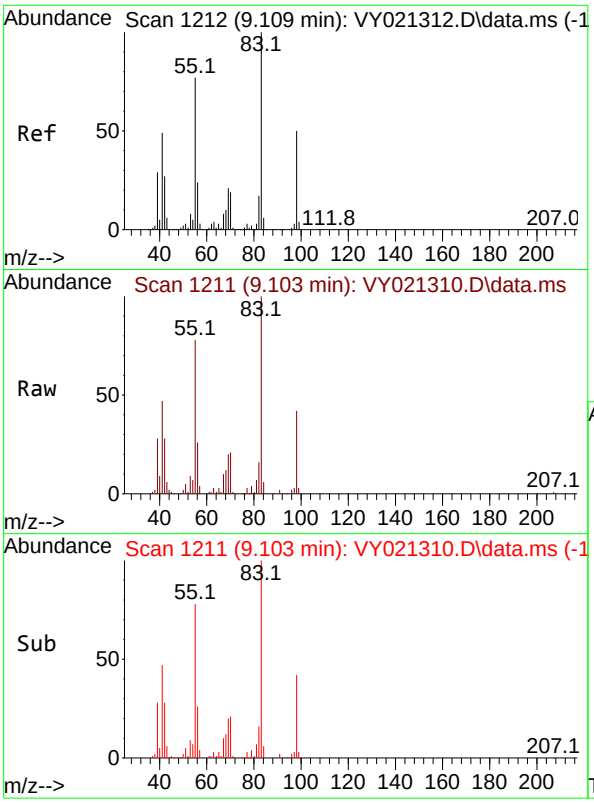


#38
Carbon Tetrachloride
Concen: 10.149 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 32494

Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.0	114.0
121	28.1	24.9	37.3





#39
Methylcyclohexane
Concen: 9.837 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 3543

Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.3	91.9
98	42.5	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
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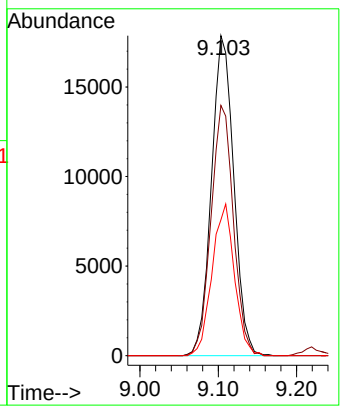
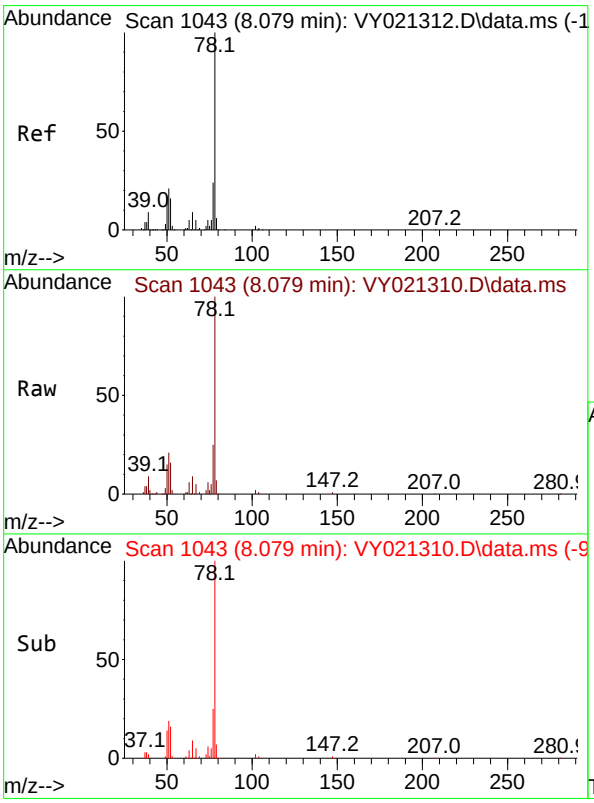
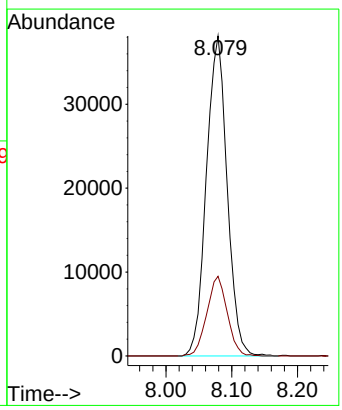


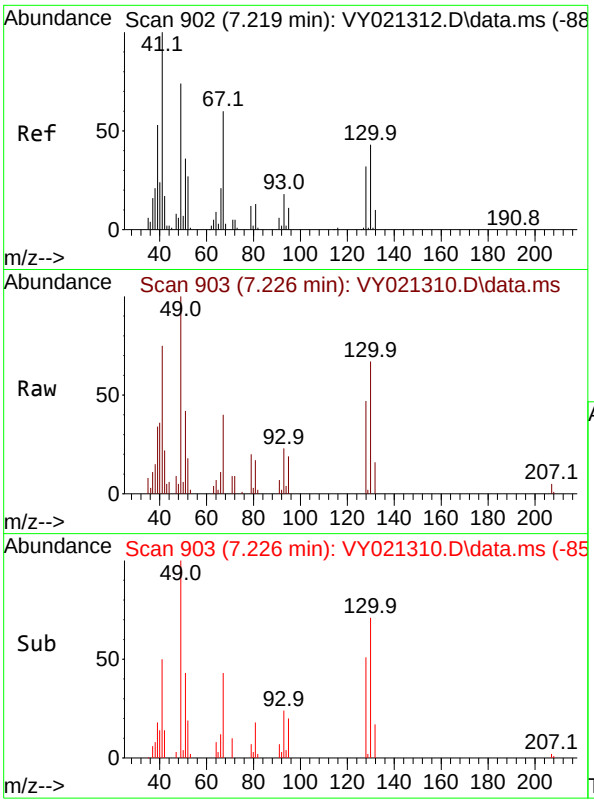


#40
Benzene
Concen: 9.930 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 78 Resp: 83594

Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8

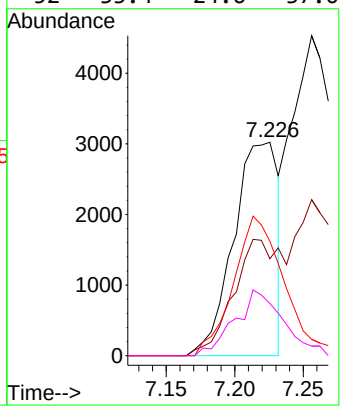




#41
Methacrylonitrile
Concen: 8.642 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 684

Ion	Ratio	Lower	Upper
41	100		
39	60.5	42.3	63.5
67	74.2	54.8	82.2
52	33.4	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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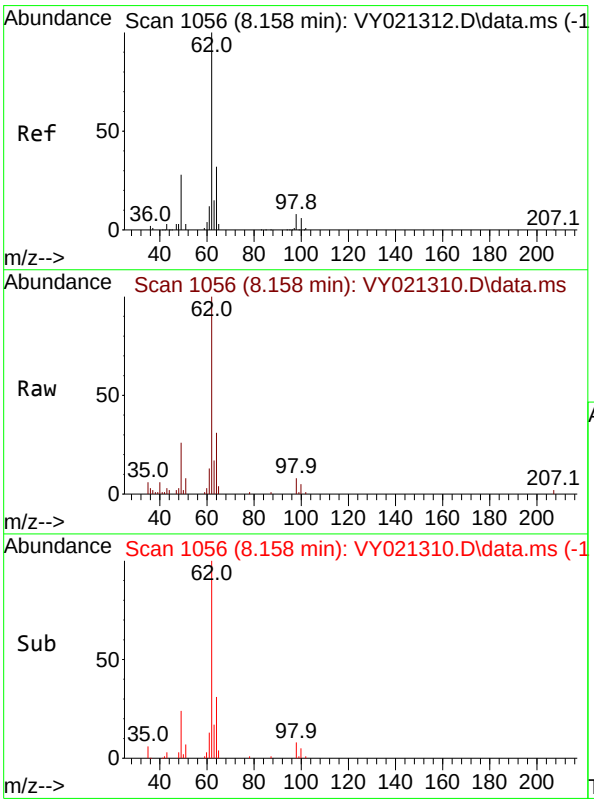
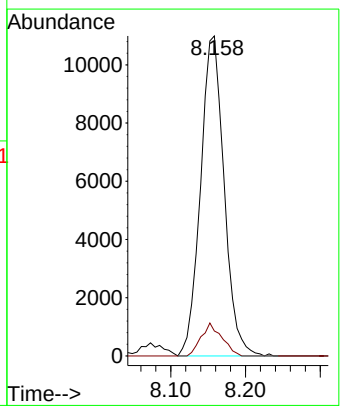
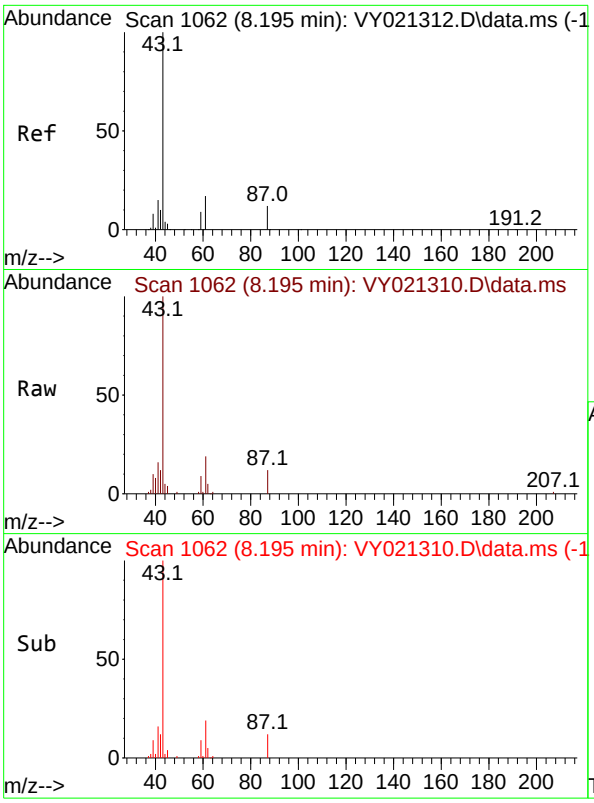


#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 24091

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6

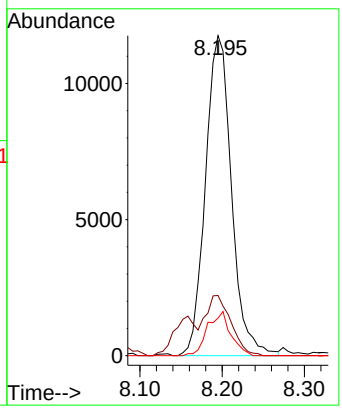




#43
Isopropyl Acetate
Concen: 9.436 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 2587

Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.0	22.6
87	12.3	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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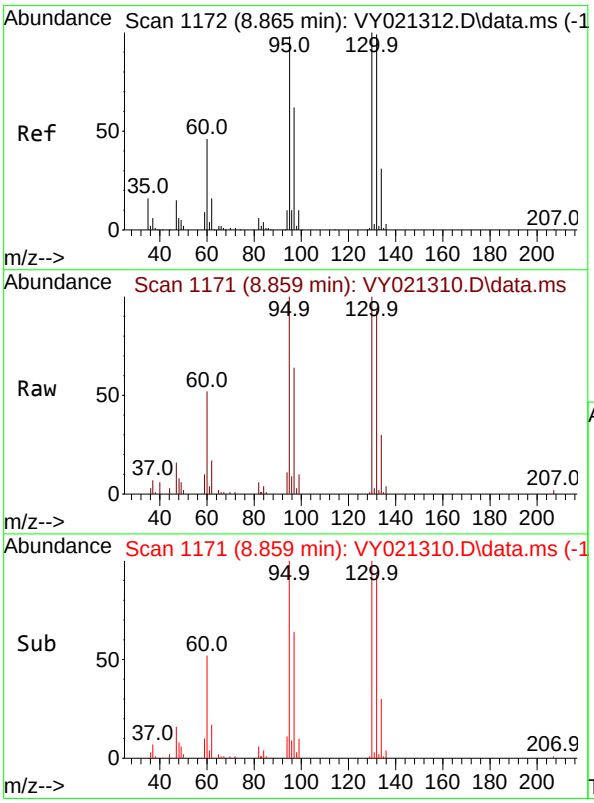
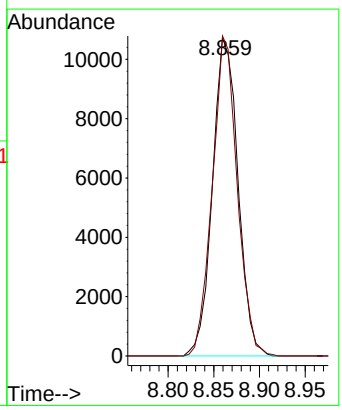
Supervised By :Mahesh Dadoda 02/26/2025

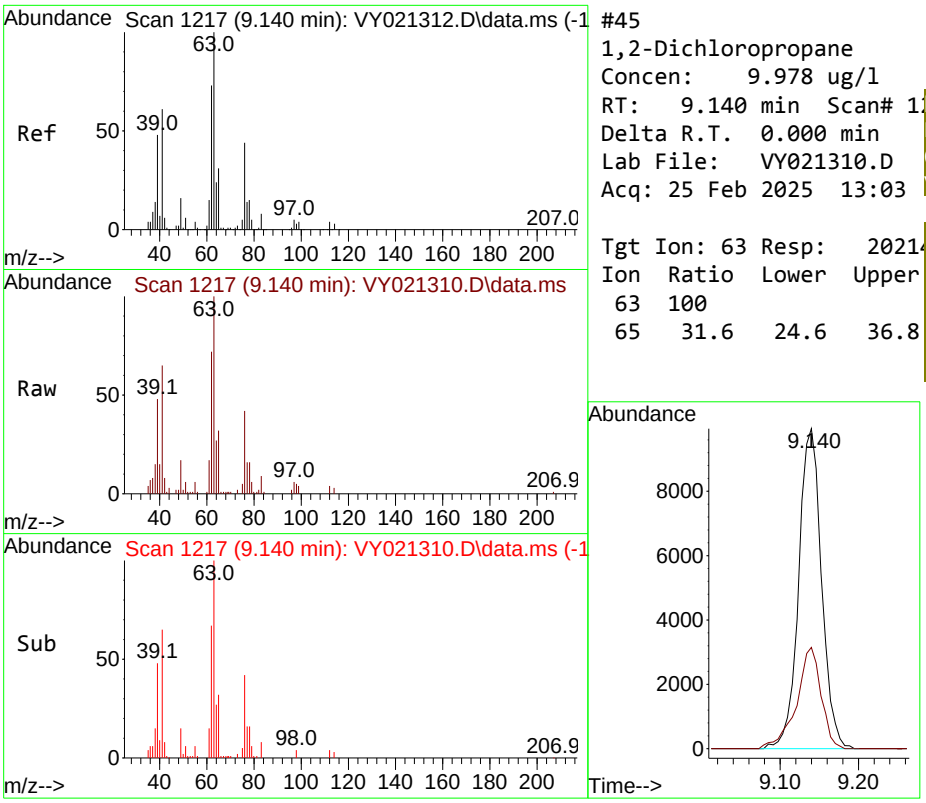


#44
Trichloroethene
Concen: 9.880 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:130 Resp: 20823

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	196.0





#45
1,2-Dichloropropane
Concen: 9.978 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 2021

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
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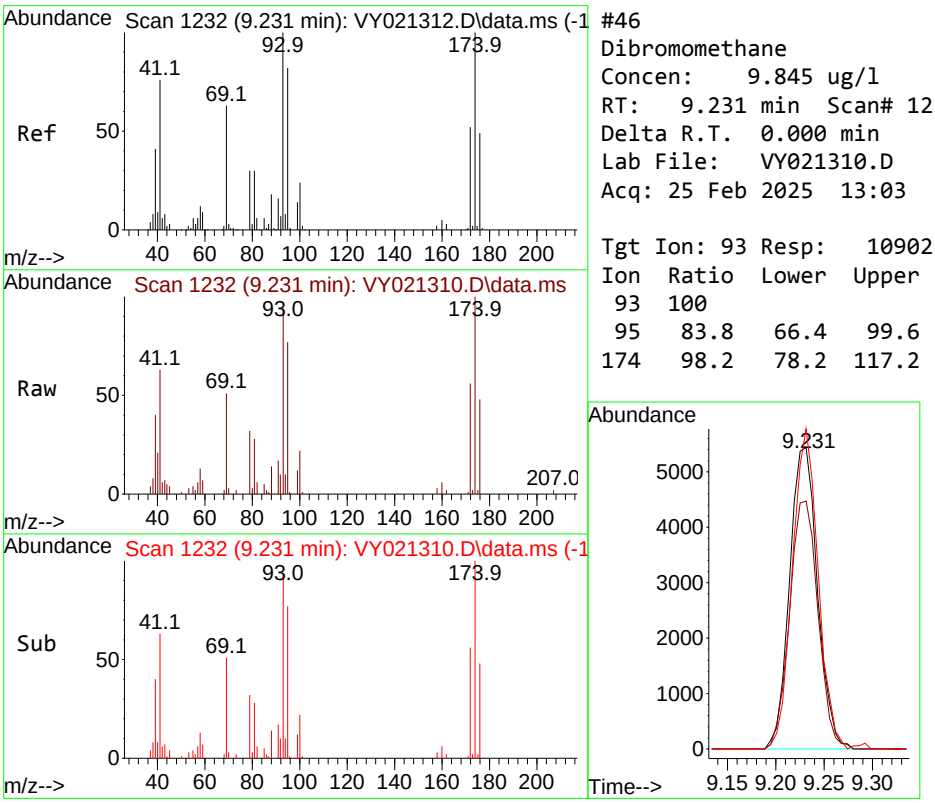
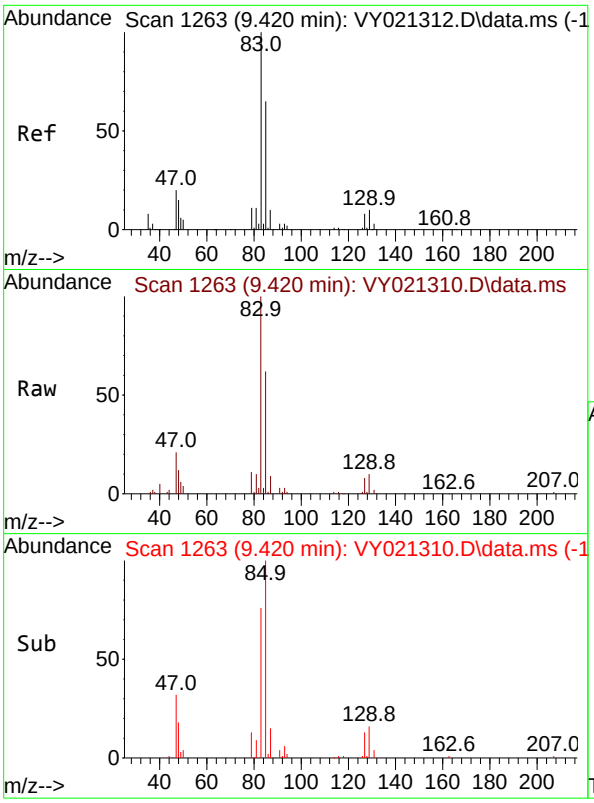


#46
Dibromomethane
Concen: 9.845 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 93 Resp: 10902

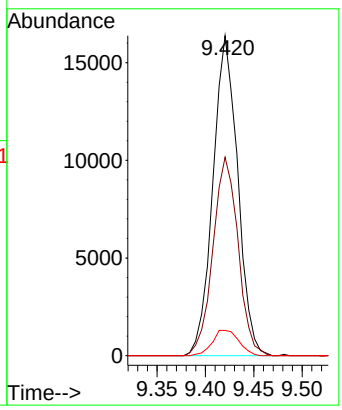
Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.4	99.6
174	98.2	78.2	117.2



#47
Bromodichloromethane
Concen: 9.860 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 2911

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.8
127	7.9	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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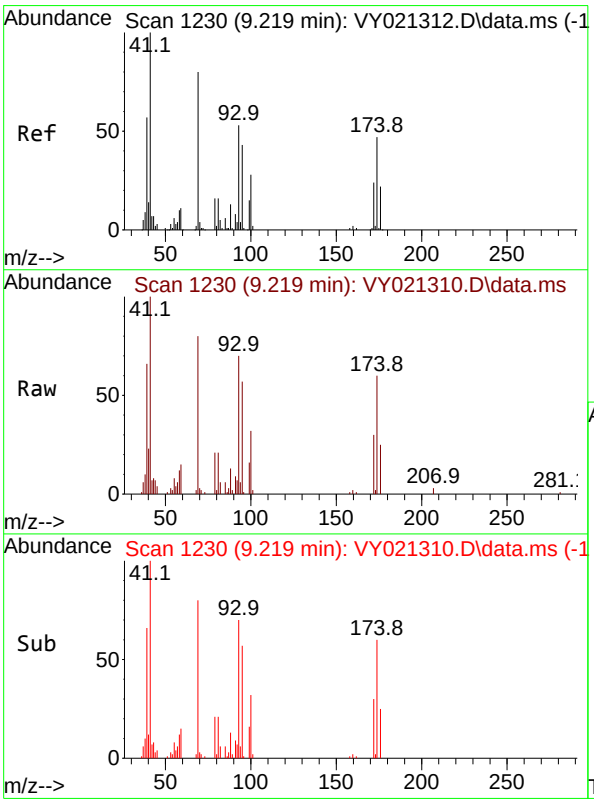
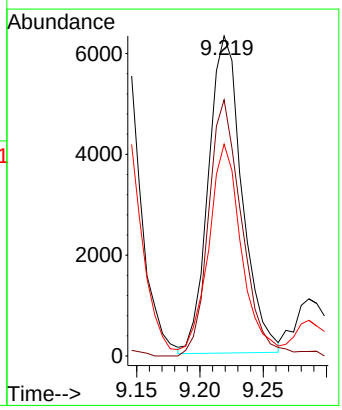
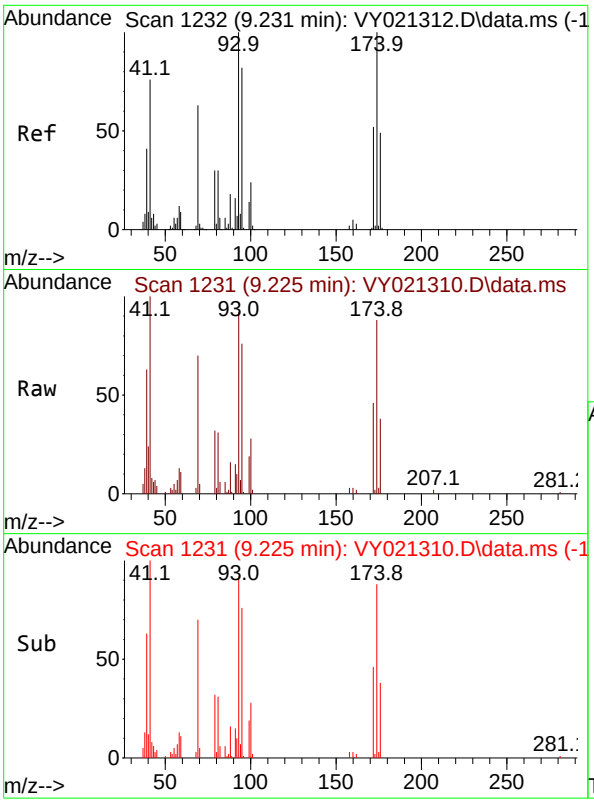


#48
Methyl methacrylate
Concen: 9.088 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 11652

Ion	Ratio	Lower	Upper
41	100		
69	80.1	63.3	94.9
39	61.7	45.0	67.6

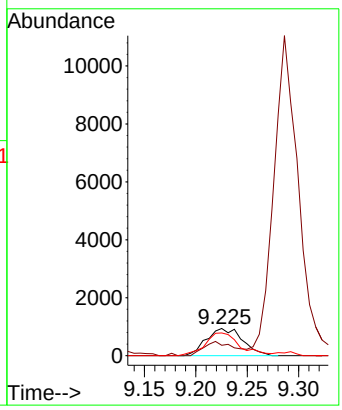




#49
1,4-Dioxane
Concen: 187.520 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 88 Resp: 230

Ion	Ratio	Lower	Upper
88	100		
43	44.1	34.8	52.2
58	79.5	59.8	89.6



Instrument :
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ClientSampleId :
VSTDICC010

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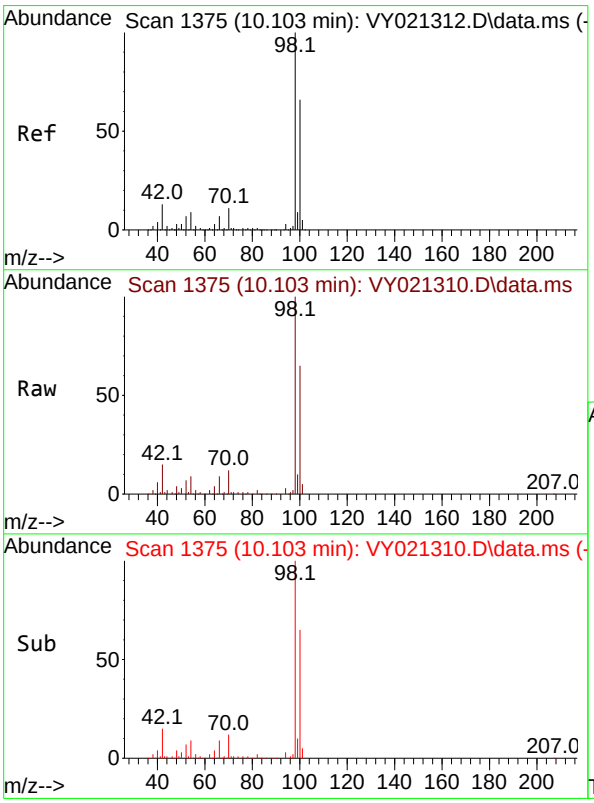
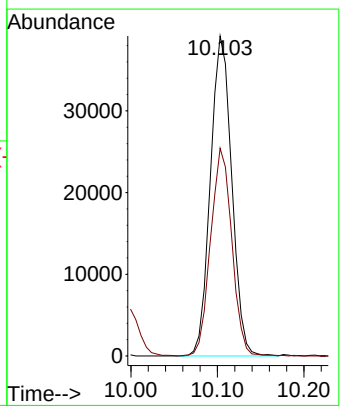
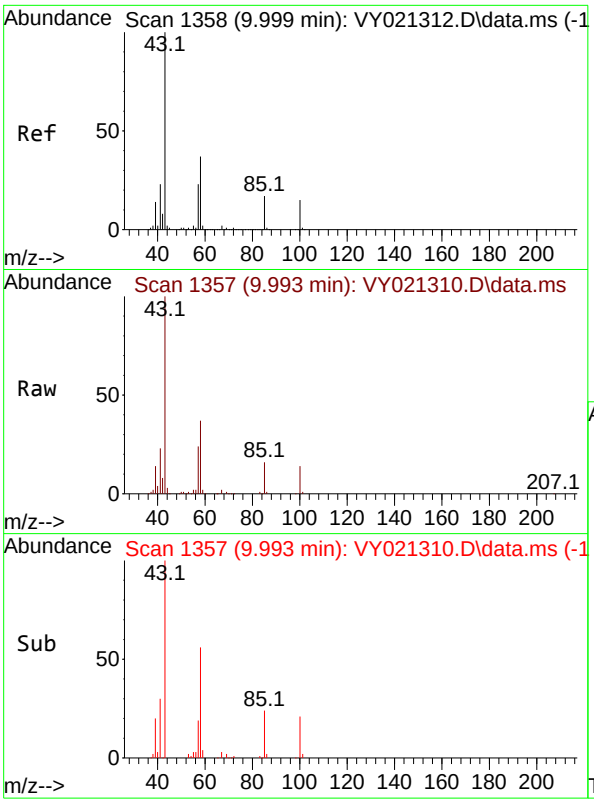


#50
Toluene-d8
Concen: 9.141 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 98 Resp: 66979

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.4	78.6

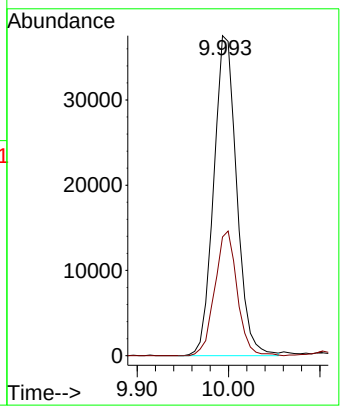




#51
4-Methyl-2-Pentanone
Concen: 46.808 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 6569

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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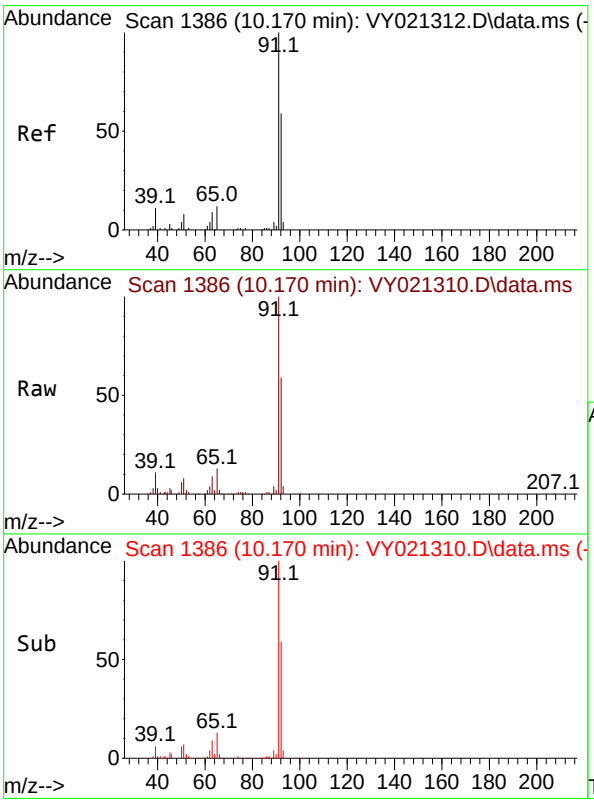
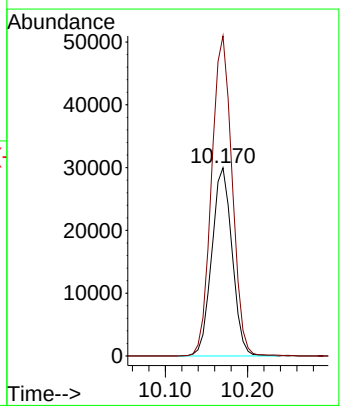
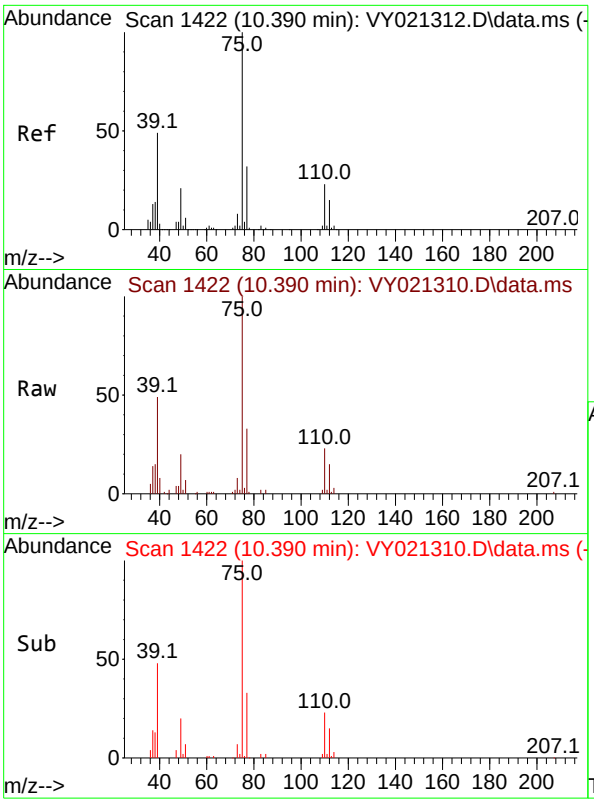


#52
Toluene
Concen: 9.823 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 92 Resp: 51371

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.8	206.8

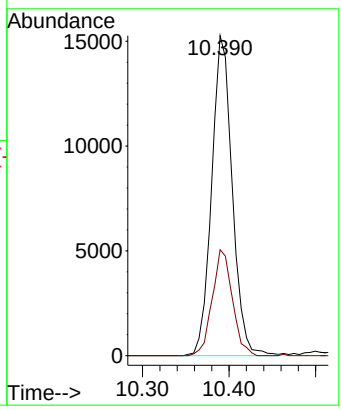




#53
t-1,3-Dichloropropene
Concen: 9.322 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 2521

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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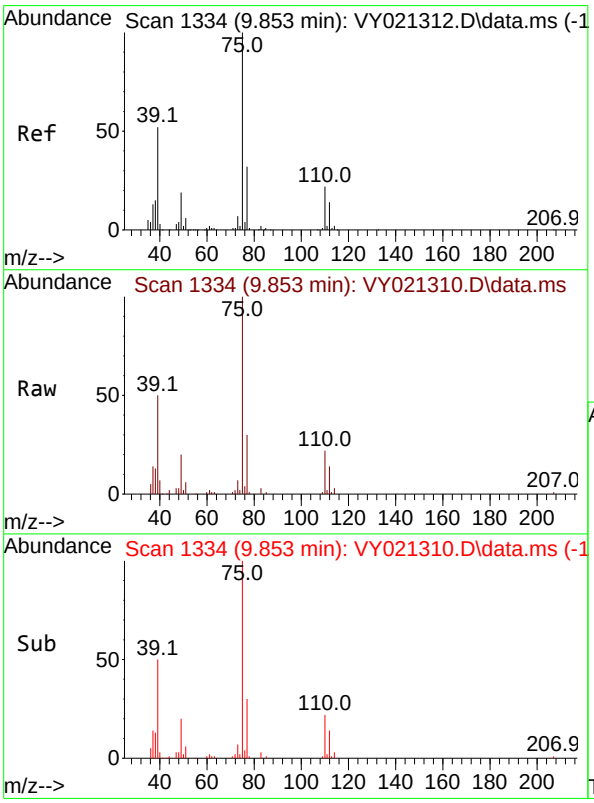
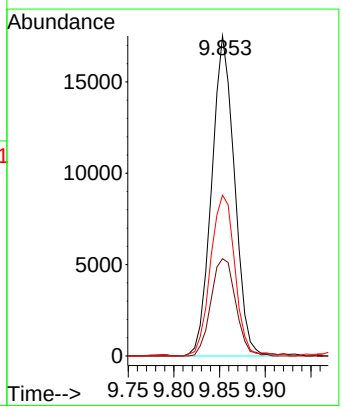
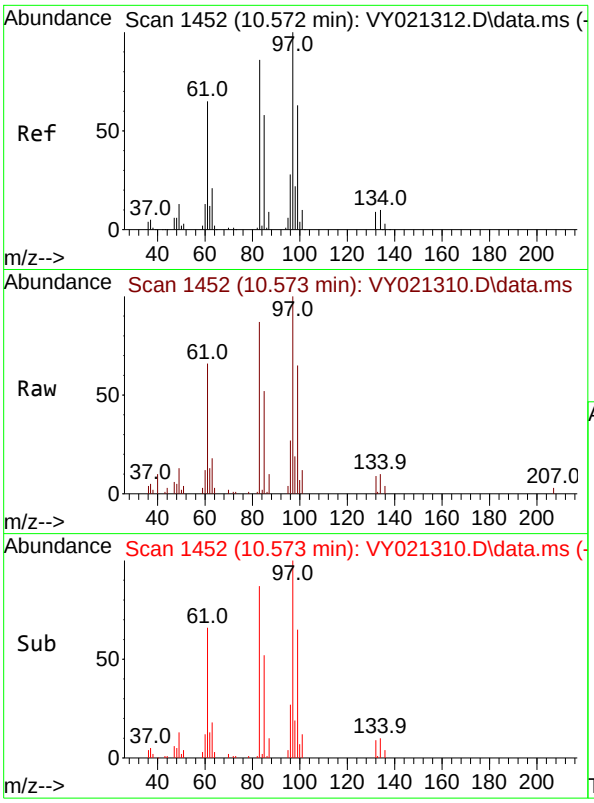


#54
cis-1,3-Dichloropropene
Concen: 9.528 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 30428

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.7	38.5
39	50.2	41.8	62.6

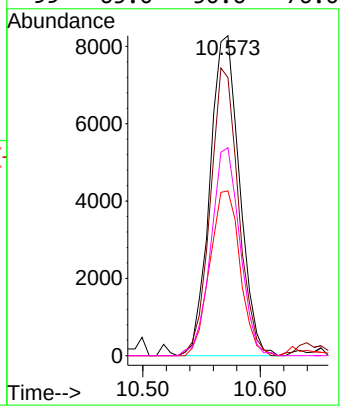




#55
1,1,2-Trichloroethane
Concen: 10.057 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 97 Resp: 1450

Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.7	103.1
85	51.5	46.3	69.5
99	65.0	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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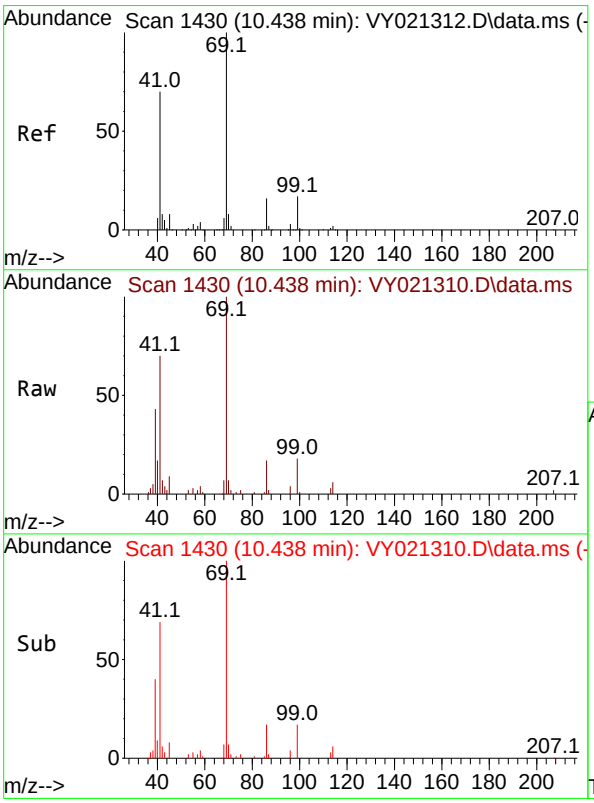
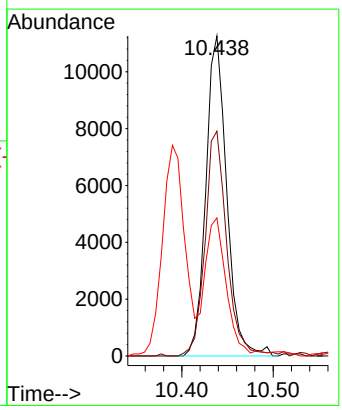
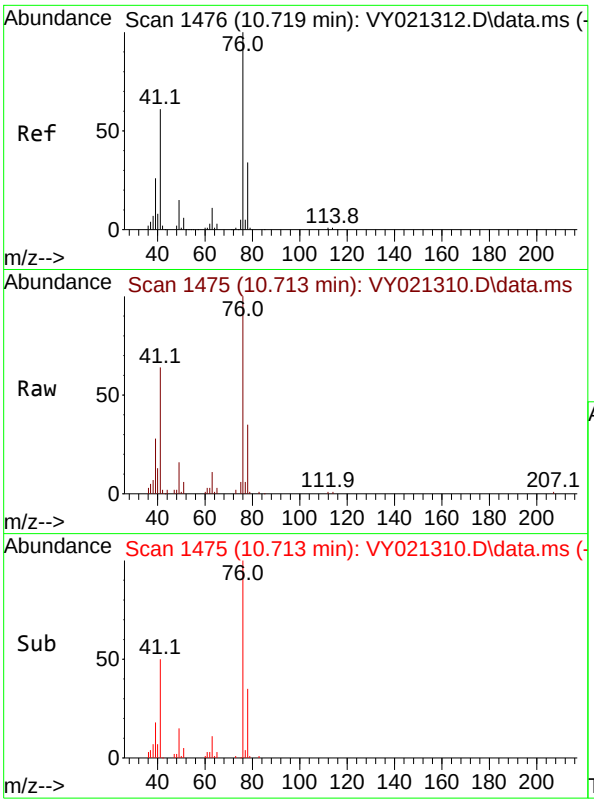


#56
Ethyl methacrylate
Concen: 8.938 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 69 Resp: 17817

Ion	Ratio	Lower	Upper
69	100		
41	73.6	56.2	84.4
39	43.1	32.7	49.1

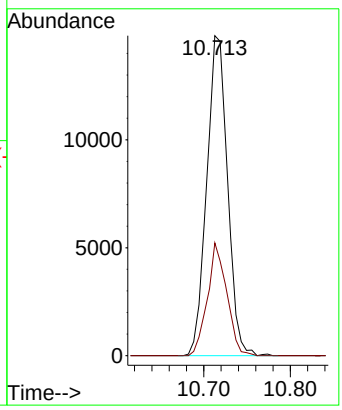




#57
1,3-Dichloropropane
Concen: 9.784 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 76 Resp: 2476

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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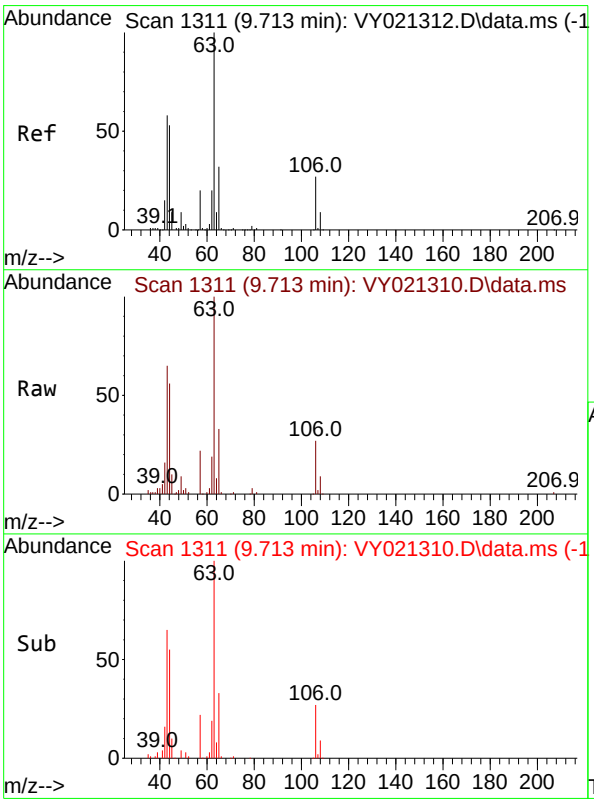
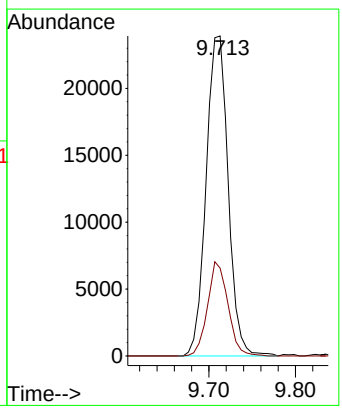
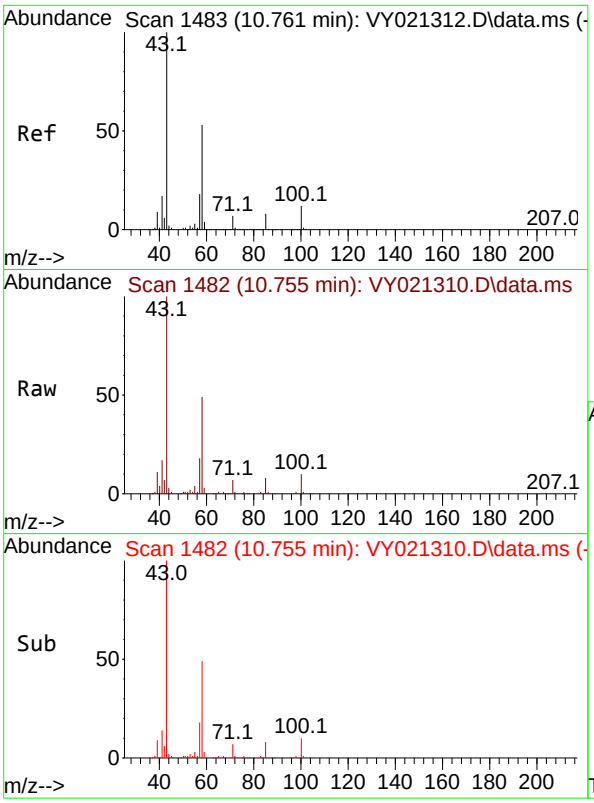


#58
2-Chloroethyl Vinyl ether
Concen: 44.215 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 42304

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.7	32.5





#59
2-Hexanone
Concen: 45.697 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 4212

Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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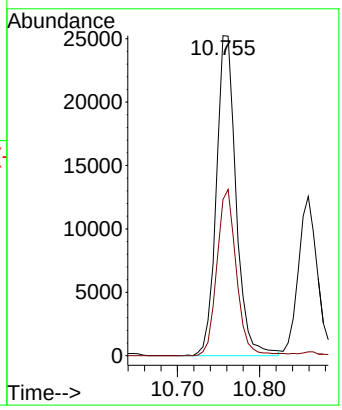
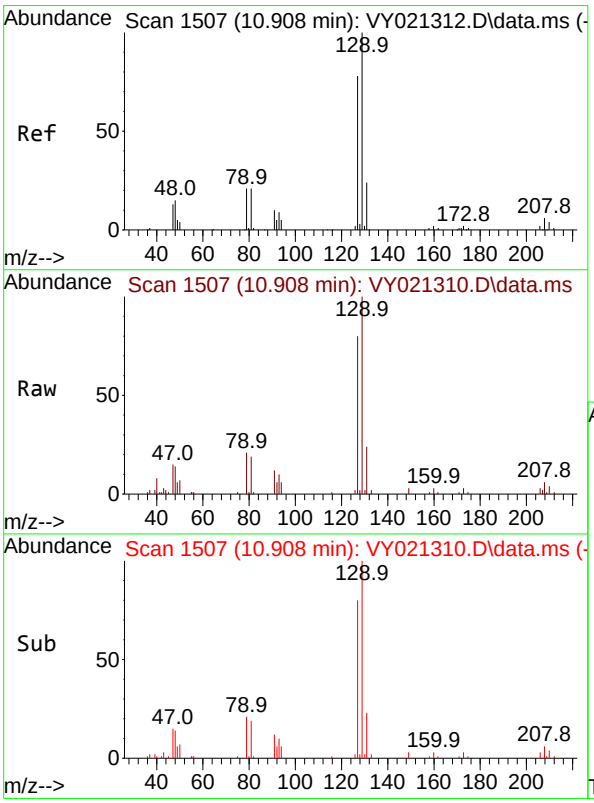
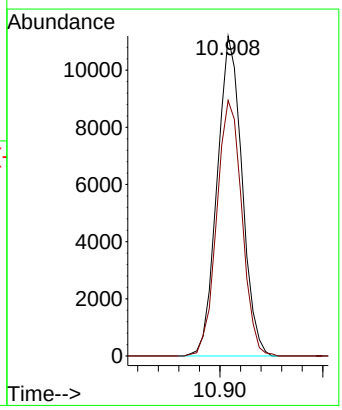


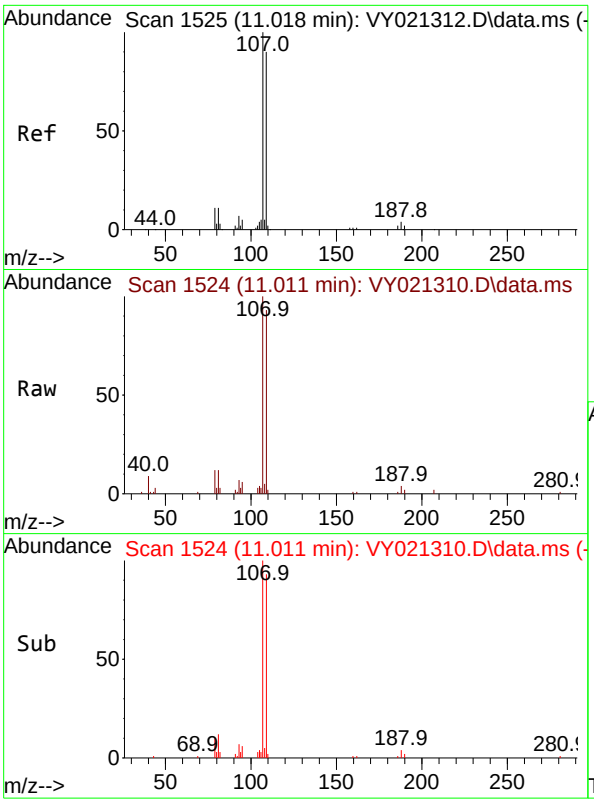


#60
Dibromochloromethane
Concen: 9.565 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:129 Resp: 18793

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.8	116.4





#61
1,2-Dibromoethane
Concen: 9.775 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:107 Resp: 1335

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.8	110.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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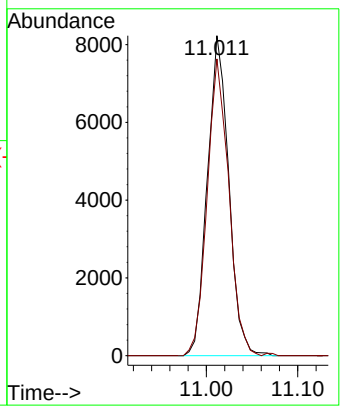
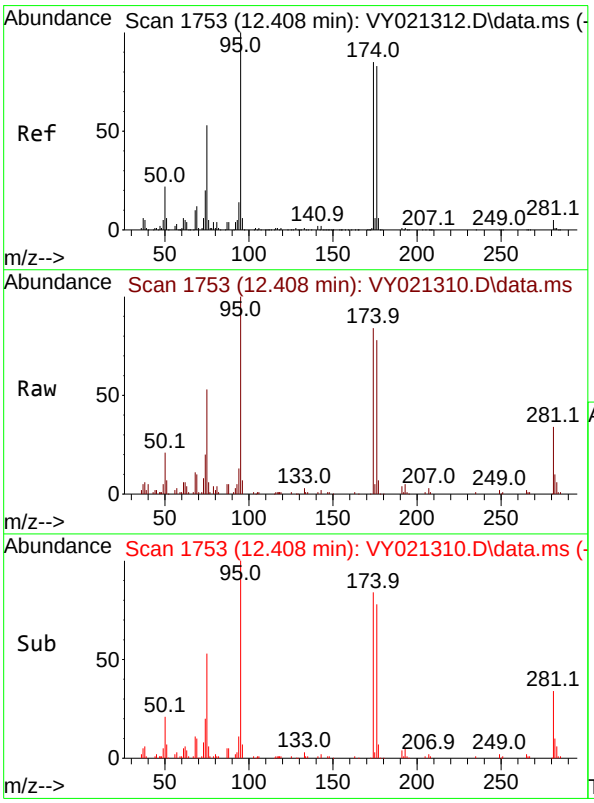
Supervised By :Mahesh Dadoda 02/26/2025

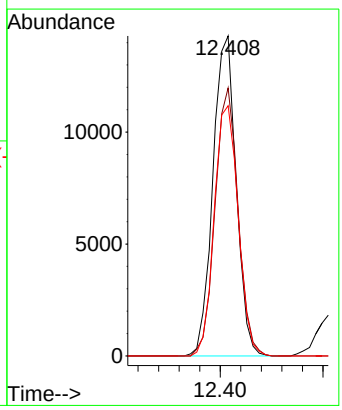


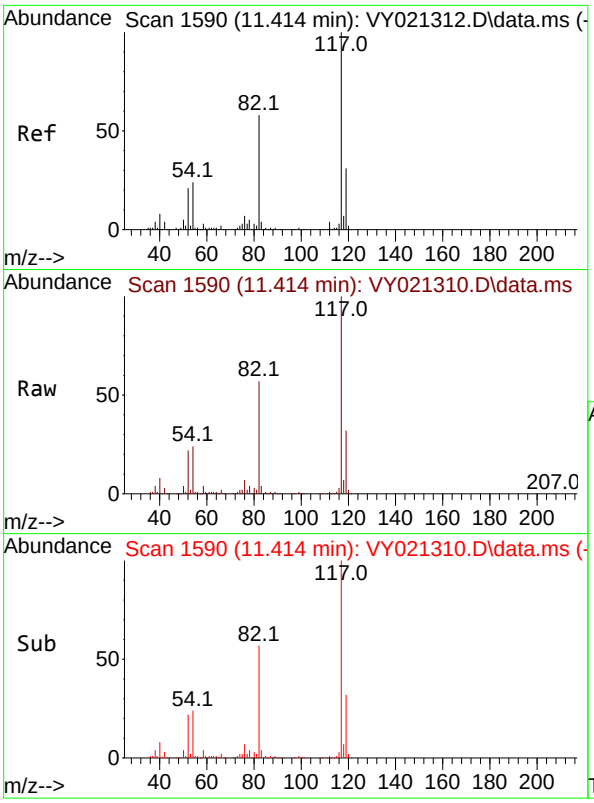


#62
4-Bromofluorobenzene
Concen: 9.069 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 95 Resp: 22364

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	168.0
176	80.9	0.0	162.6

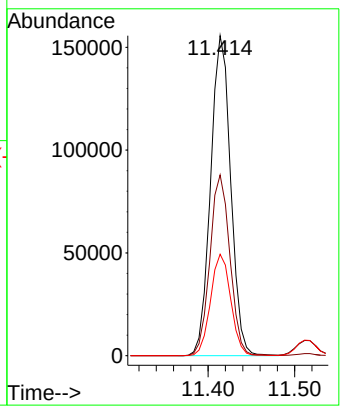




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 25062

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.2	69.4
119	31.7	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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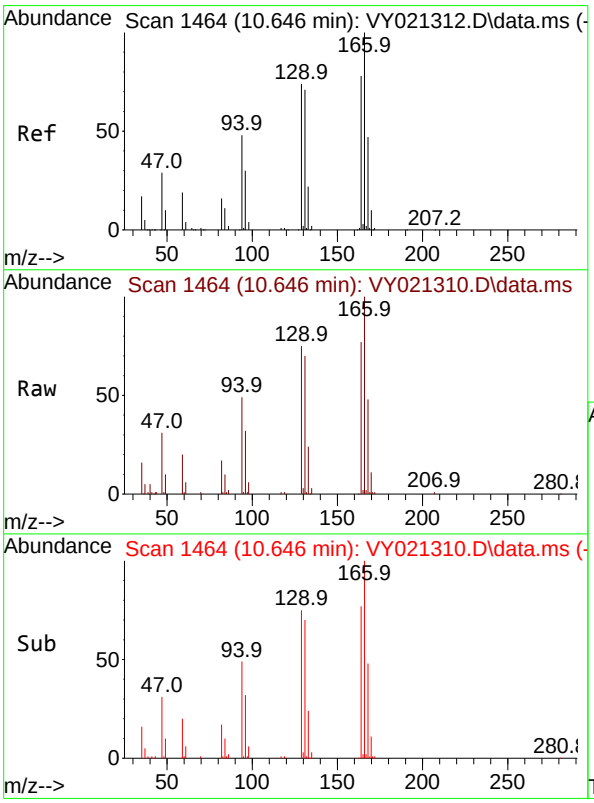
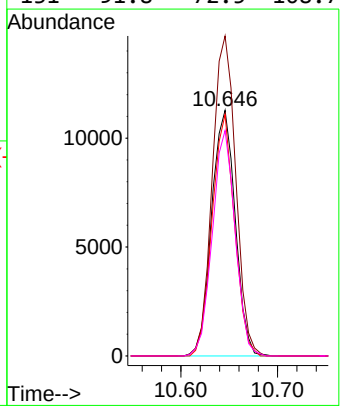
Supervised By :Mahesh Dadoda 02/26/2025

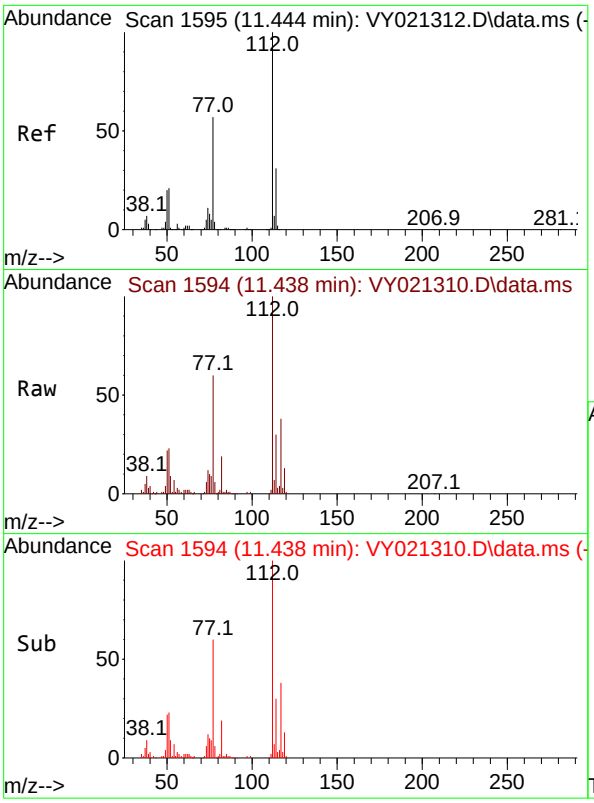


#64
Tetrachloroethene
Concen: 10.064 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:164 Resp: 19065

Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.9	152.9
129	98.3	75.5	113.3
131	91.8	72.5	108.7

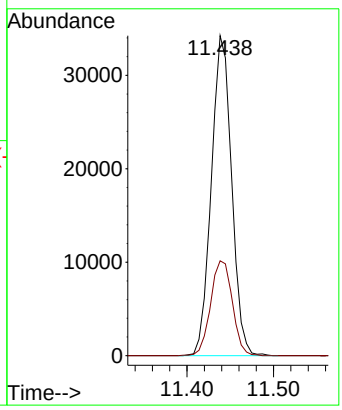




#65
Chlorobenzene
Concen: 9.899 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:112 Resp: 5568

Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.0	37.6



Instrument :
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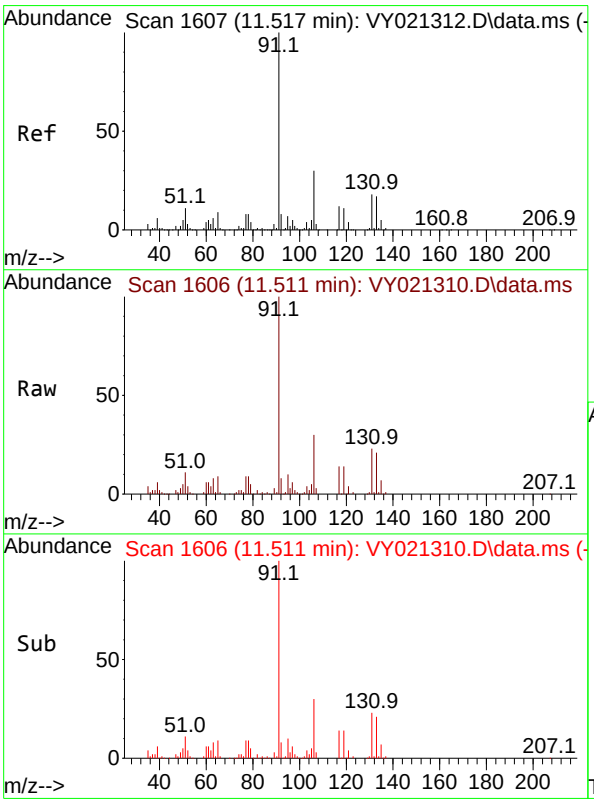
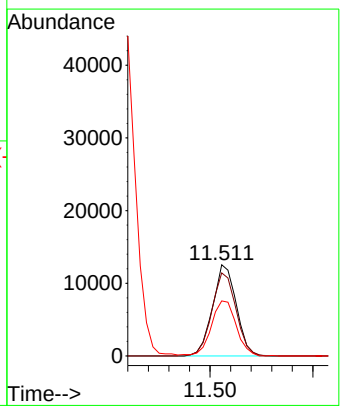
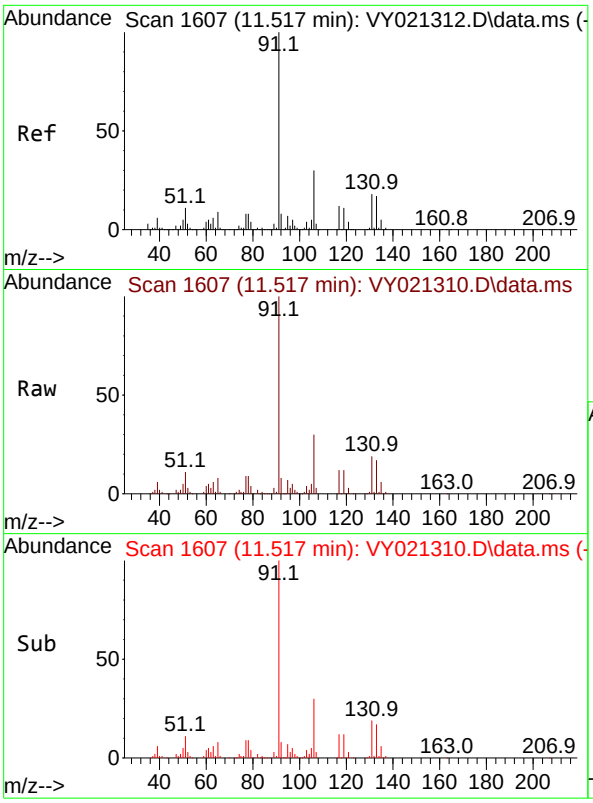


#66
1,1,1,2-Tetrachloroethane
Concen: 10.198 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:131 Resp: 20089

Ion	Ratio	Lower	Upper
131	100		
133	93.0	47.9	143.6
119	62.8	31.7	95.1

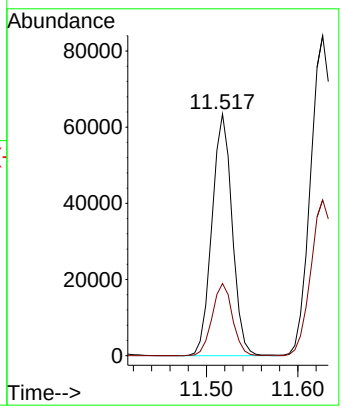




#67
Ethyl Benzene
Concen: 9.764 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 9729

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.4	36.6



Instrument :
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ClientSampleId :
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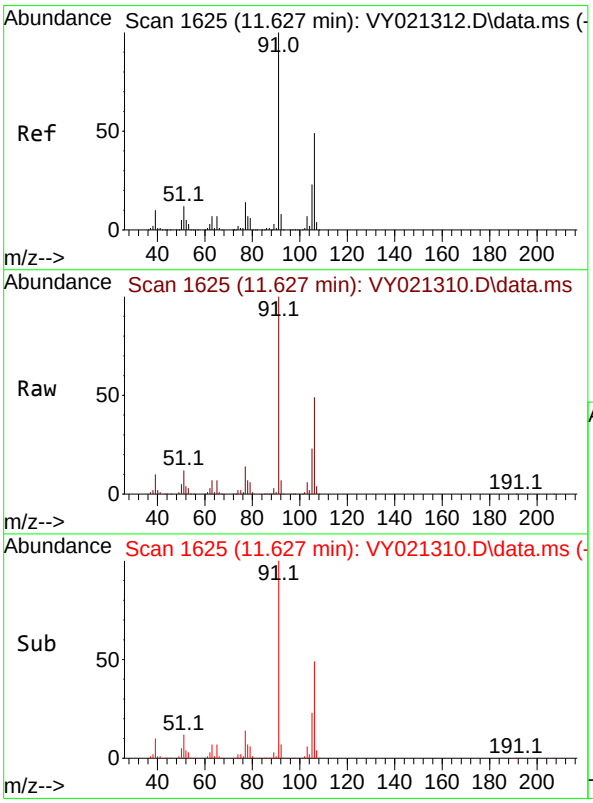
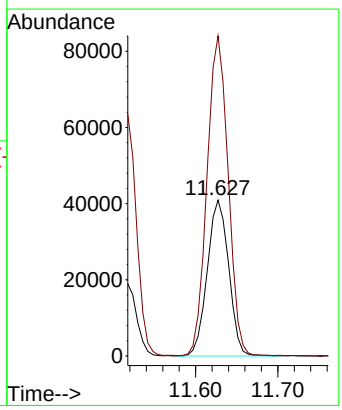
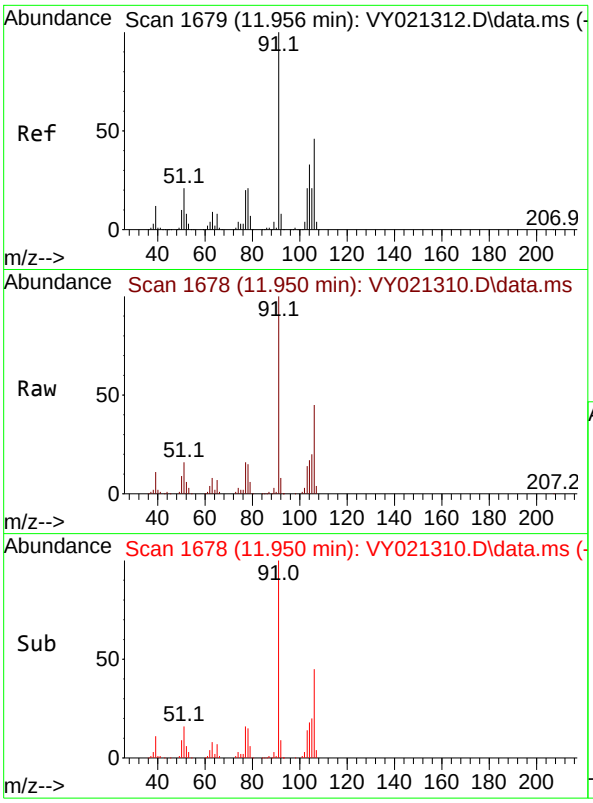


#68
m/p-Xylenes
Concen: 19.740 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:106 Resp: 73991

Ion	Ratio	Lower	Upper
106	100		
91	203.6	163.9	245.9

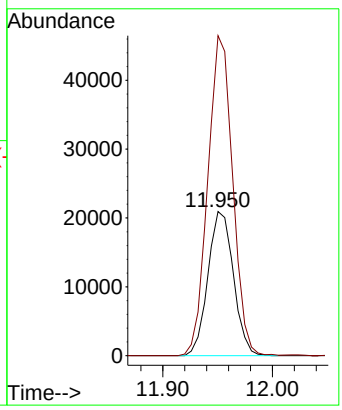




#69
o-Xylene
Concen: 9.632 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:106 Resp: 3382

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.1	324.2



Instrument :
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ClientSampleId :
VSTDICC010

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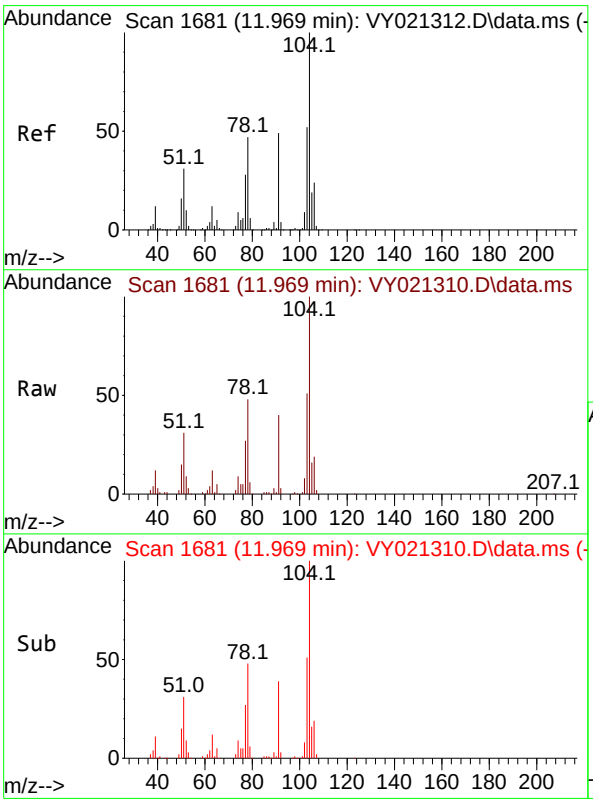
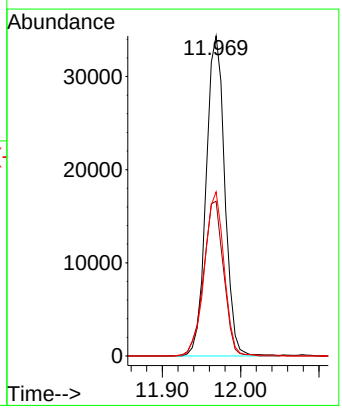
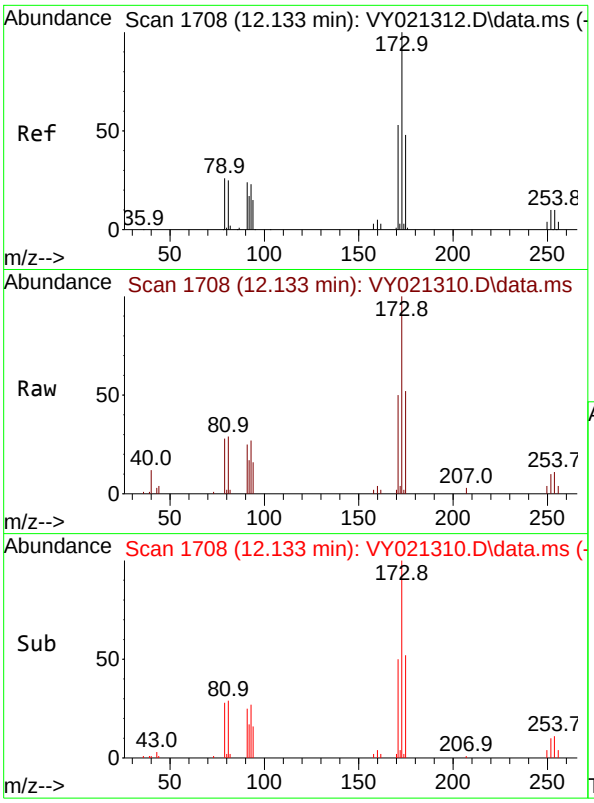


#70
Styrene
Concen: 9.679 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:104 Resp: 56550

Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.3	61.9
103	54.2	43.9	65.9

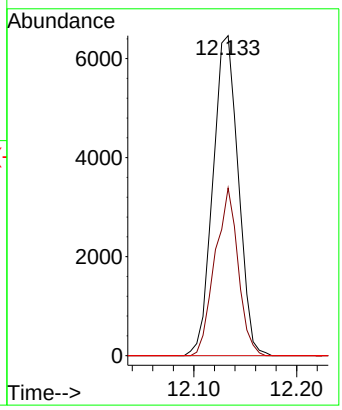




#71
Bromoform
Concen: 9.820 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:173 Resp: 1106

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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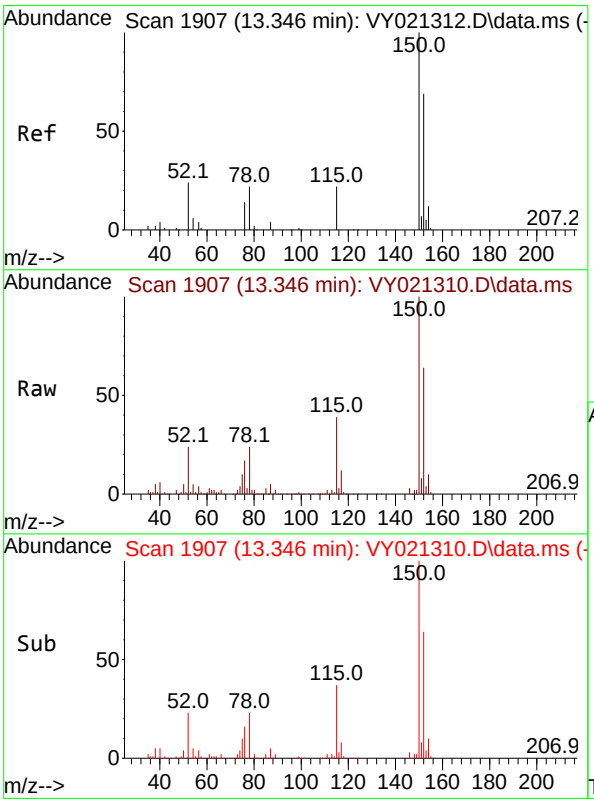
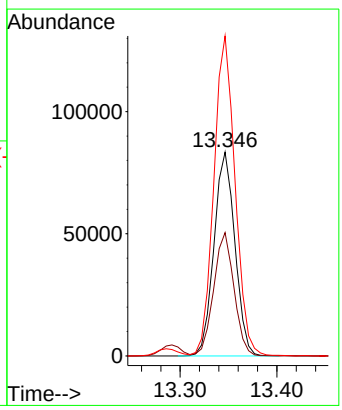
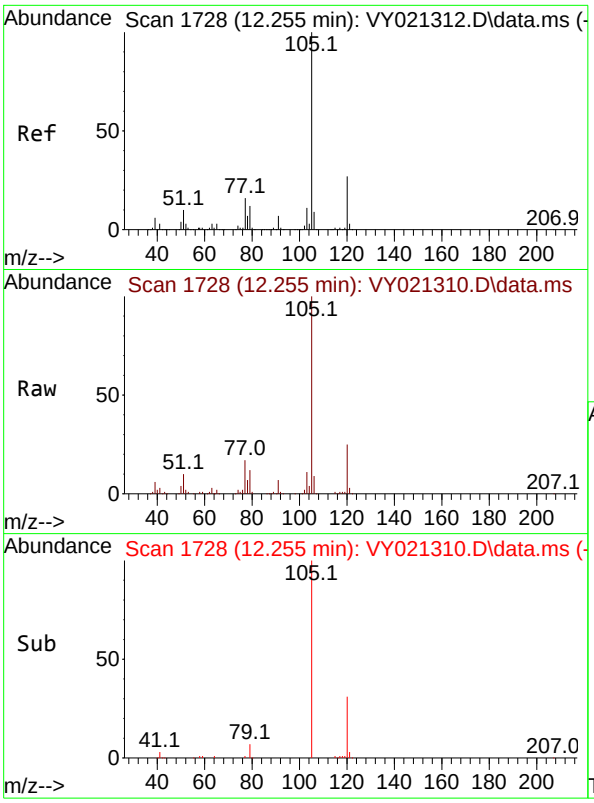


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:152 Resp: 125138

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	159.4	0.0	347.4

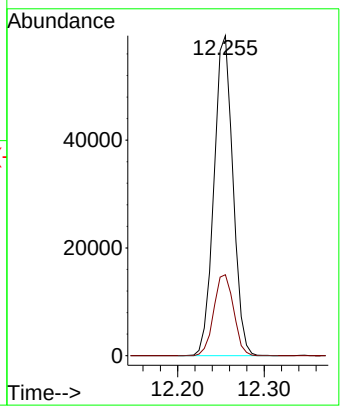




#73
Isopropylbenzene
Concen: 9.590 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 9022

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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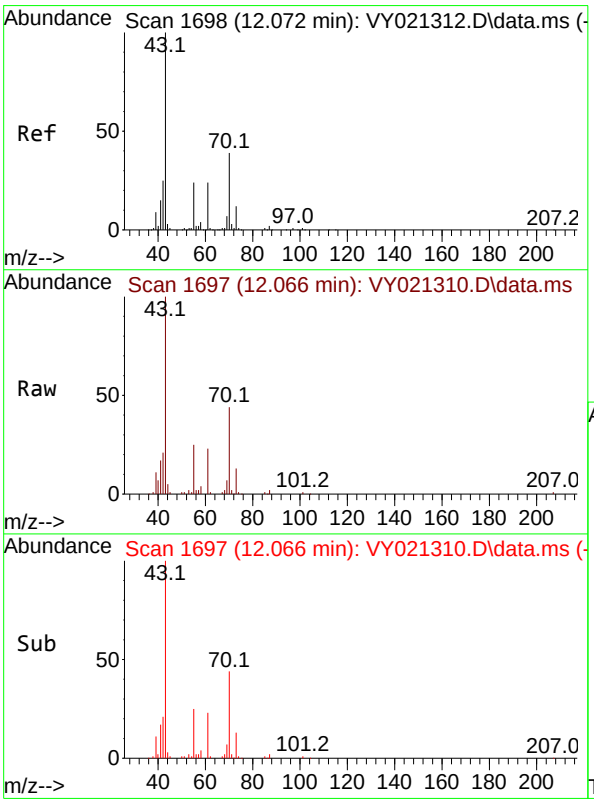
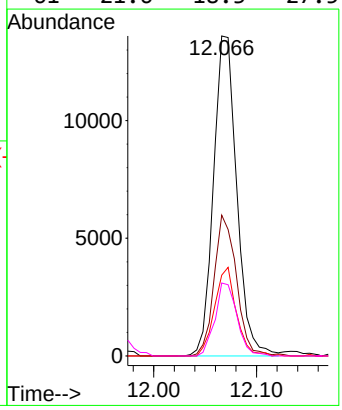
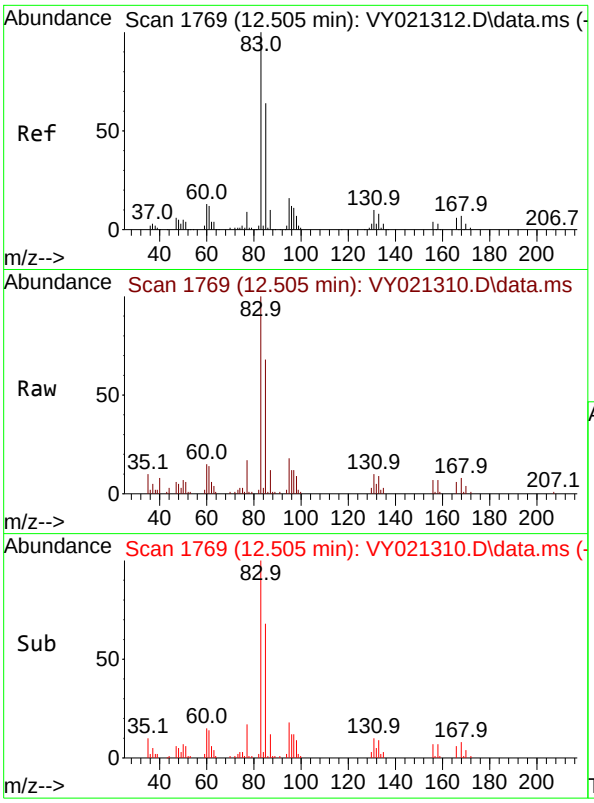


#74
N-amyl acetate
Concen: 8.937 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 21370

Ion	Ratio	Lower	Upper
43	100		
70	42.4	32.2	48.2
55	25.9	19.6	29.4
61	21.6	18.3	27.5

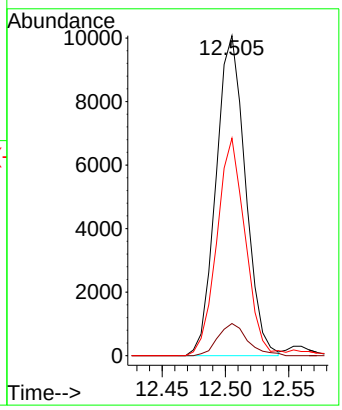




#75
1,1,2,2-Tetrachloroethane
Concen: 9.785 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 1624

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.2	15.6
85	65.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
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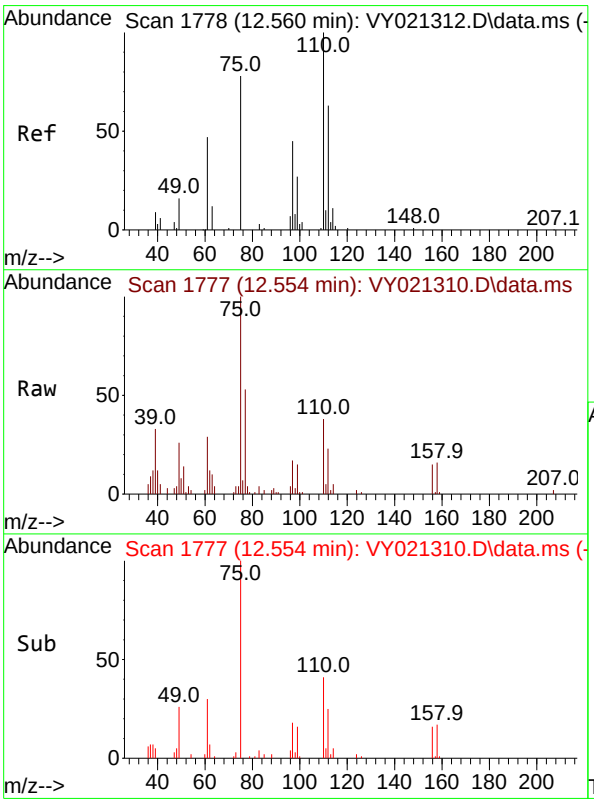
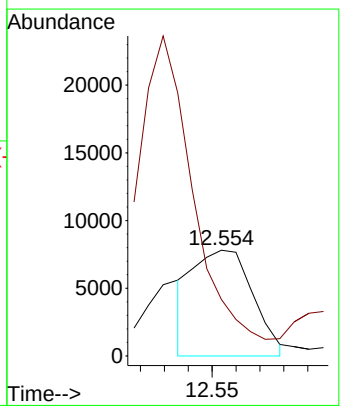
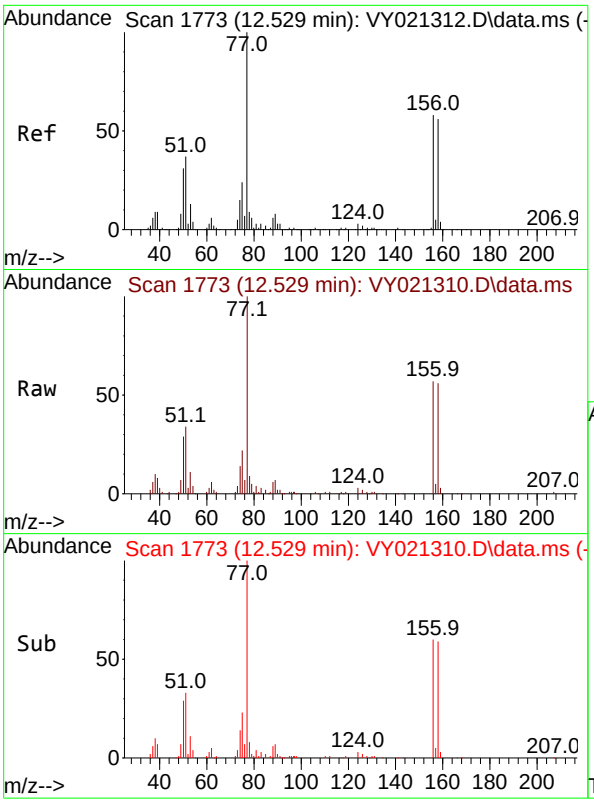


#76
1,2,3-Trichloropropane
Concen: 10.871 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 13699

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

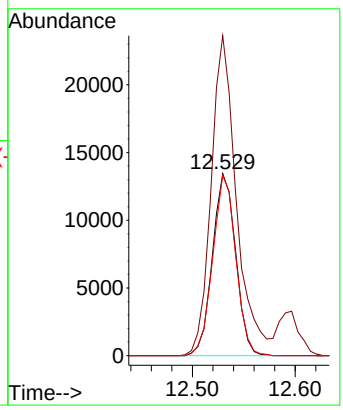




#77
Bromobenzene
Concen: 9.641 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:156 Resp: 2109

Ion	Ratio	Lower	Upper
156	100		
77	190.2	94.0	282.1
158	98.2	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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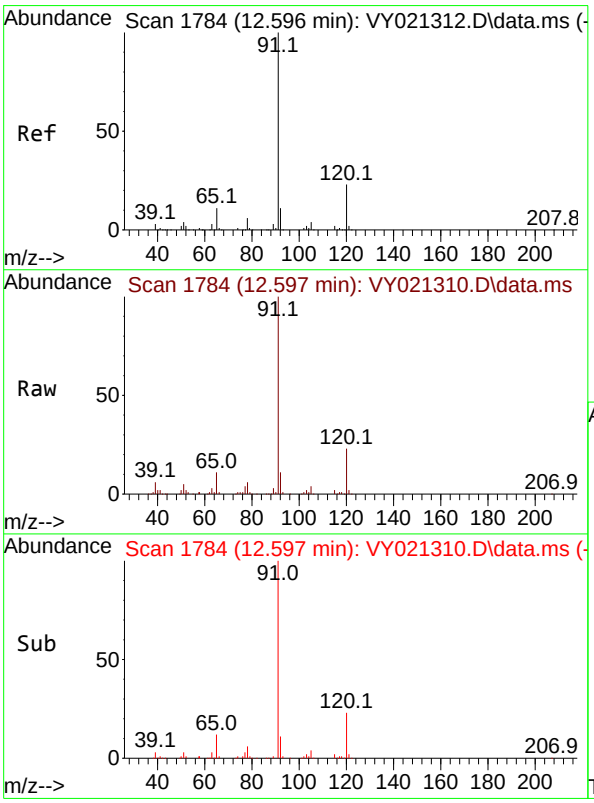
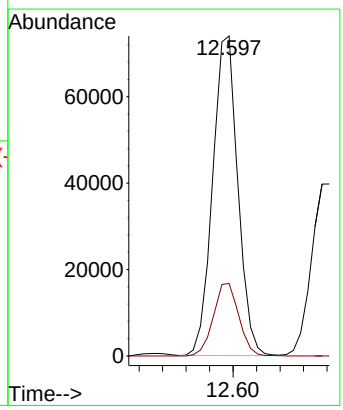
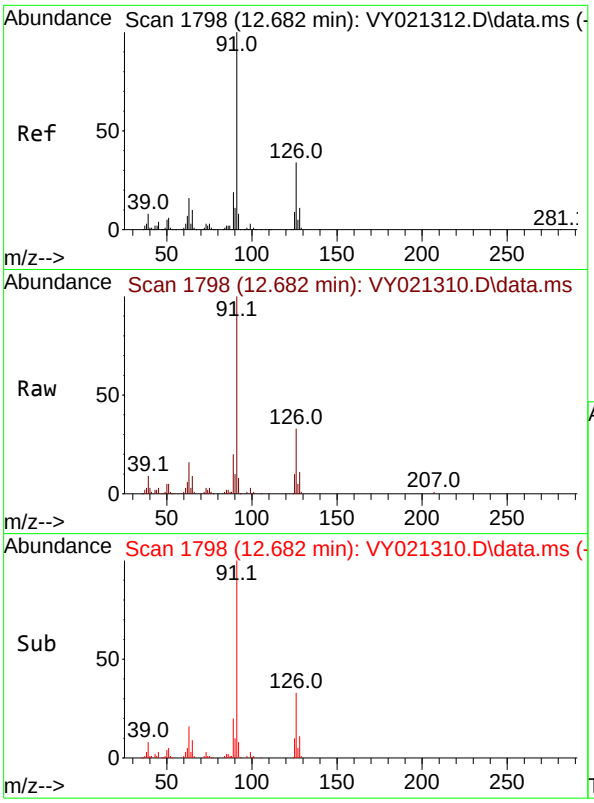


#78
n-propylbenzene
Concen: 9.652 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 110190

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.2	33.5

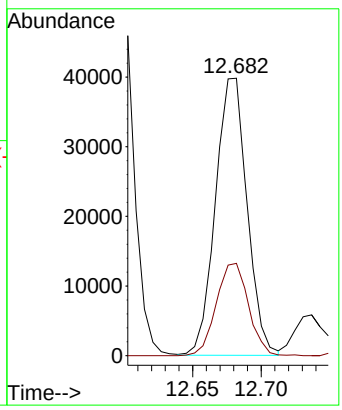




#79
2-Chlorotoluene
Concen: 9.771 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 6401

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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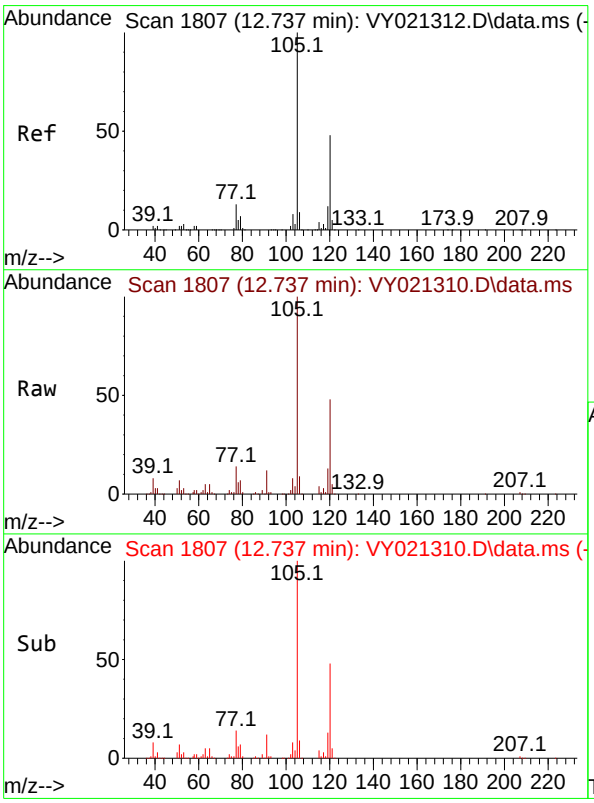
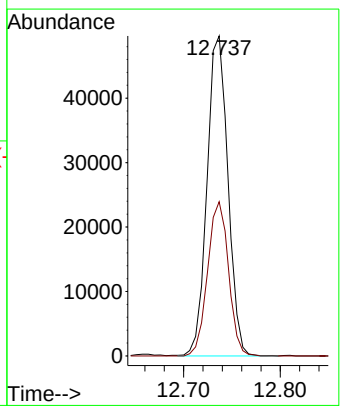
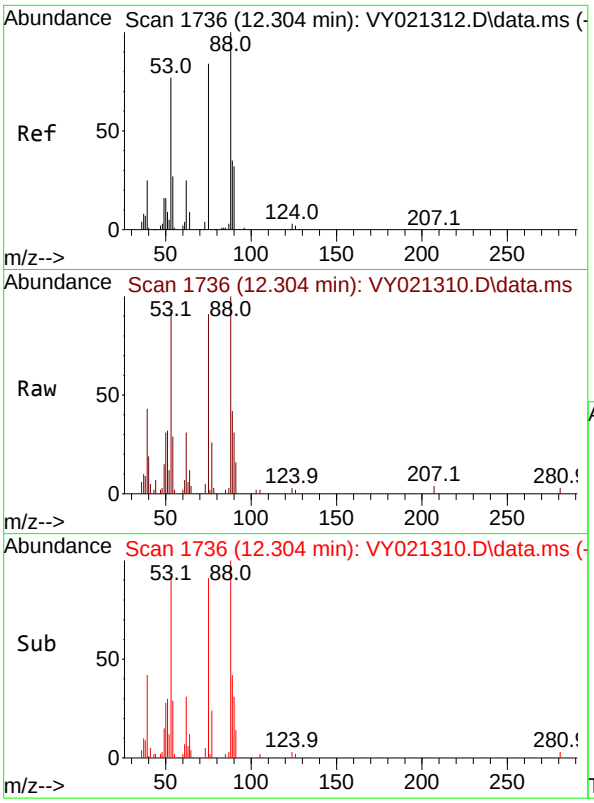


#80
1,3,5-Trimethylbenzene
Concen: 9.655 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74498

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	73.0

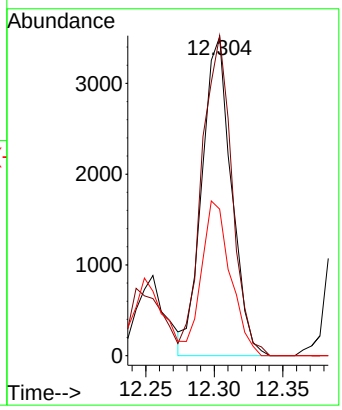




#81
trans-1,4-Dichloro-2-butene
Concen: 9.295 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 523

Ion	Ratio	Lower	Upper
75	100		
53	102.5	79.1	118.7
89	47.3	35.6	53.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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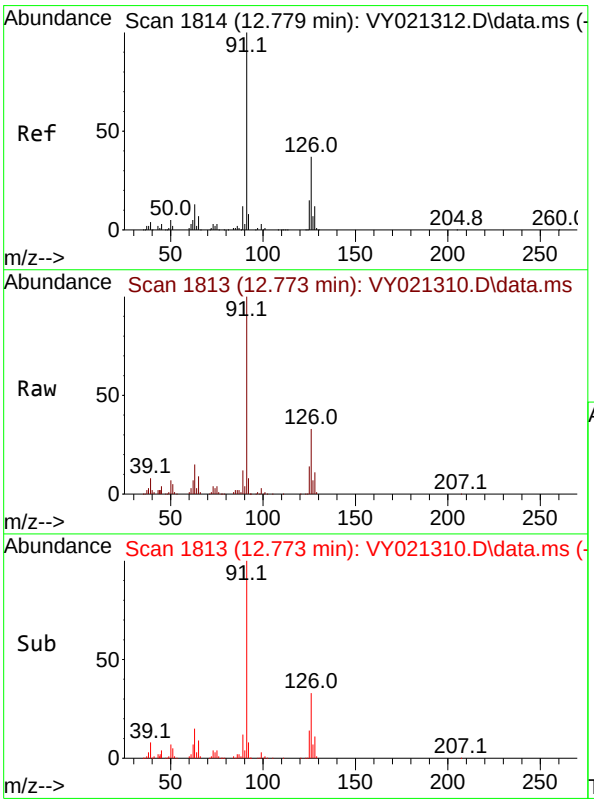
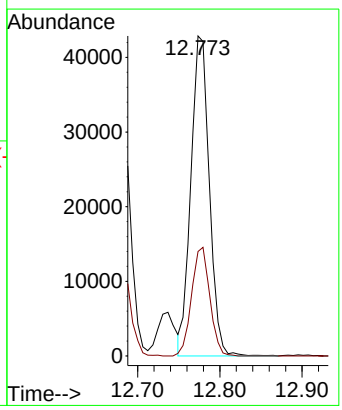
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

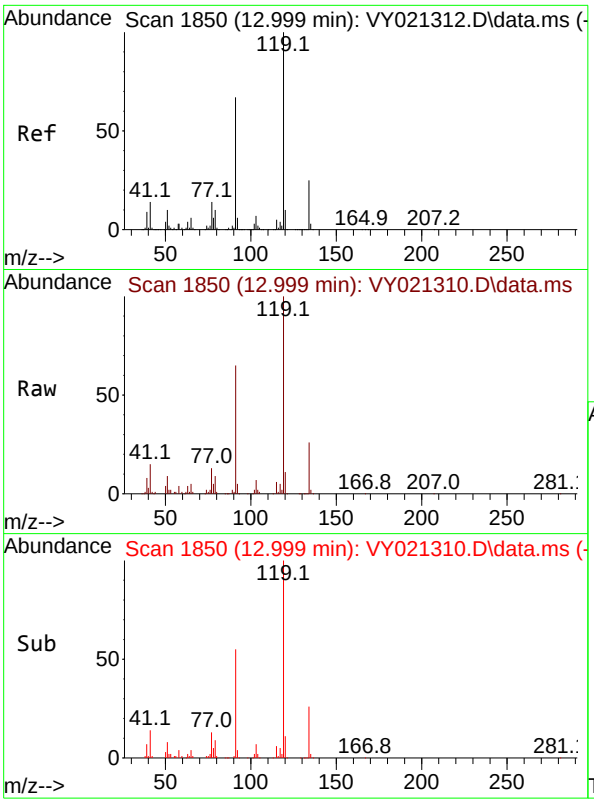


#82
4-Chlorotoluene
Concen: 9.821 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 66701

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

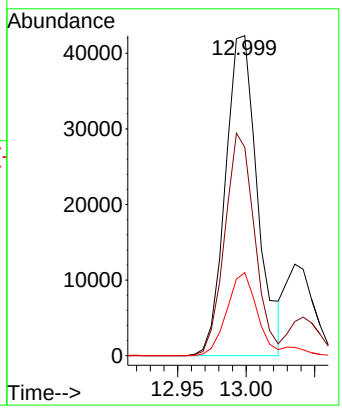




#83
tert-Butylbenzene
Concen: 9.886 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:119 Resp: 6890

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.7	98.1
134	26.3	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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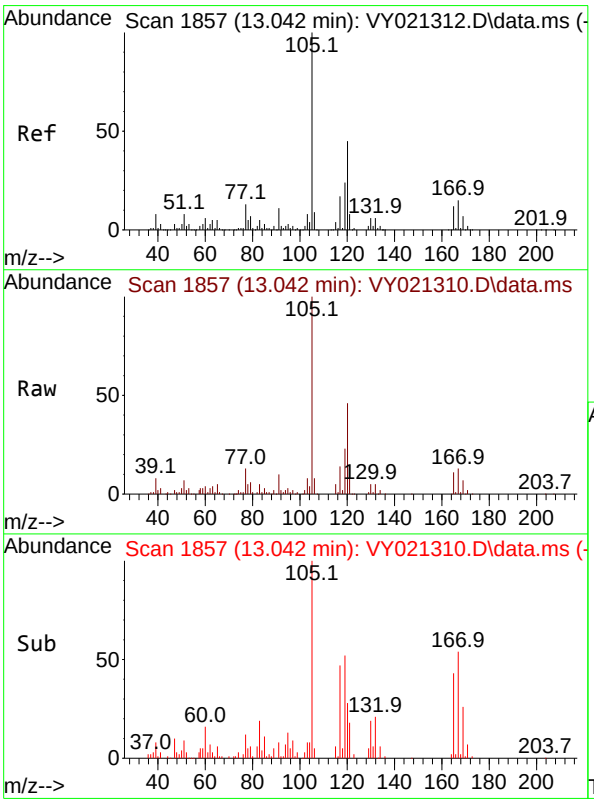
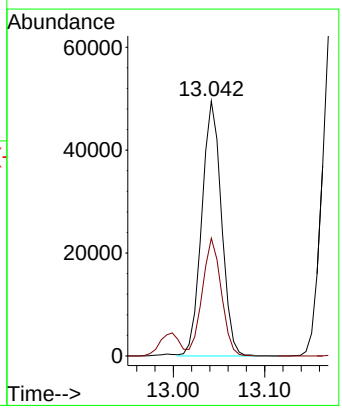
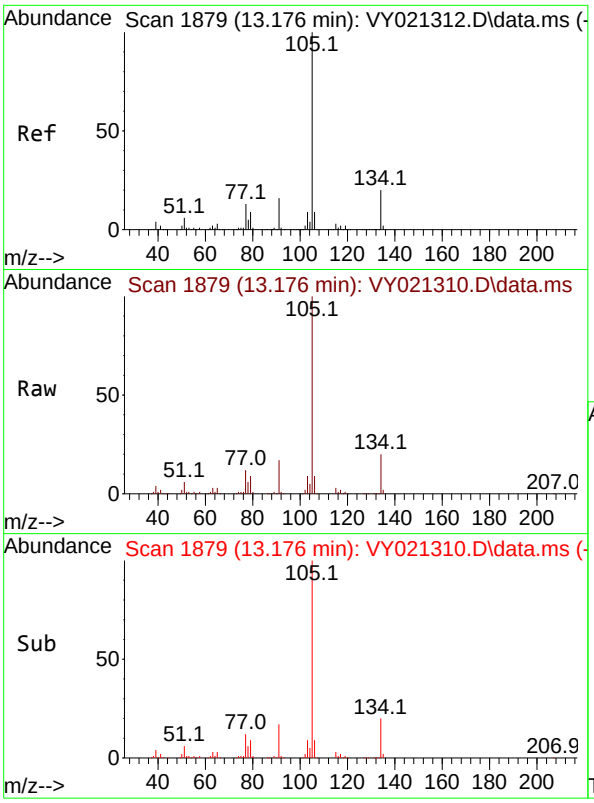


#84
1,2,4-Trimethylbenzene
Concen: 9.647 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74032

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3

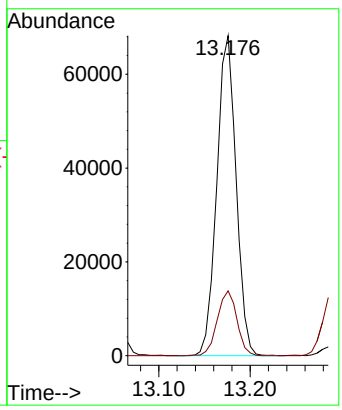




#85
sec-Butylbenzene
Concen: 9.841 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 10018

Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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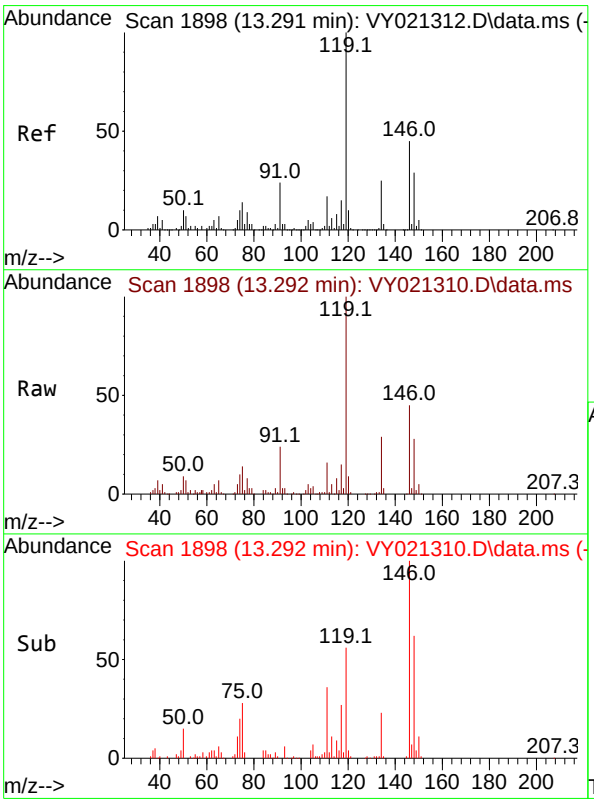
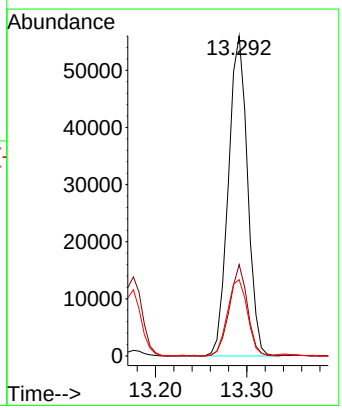
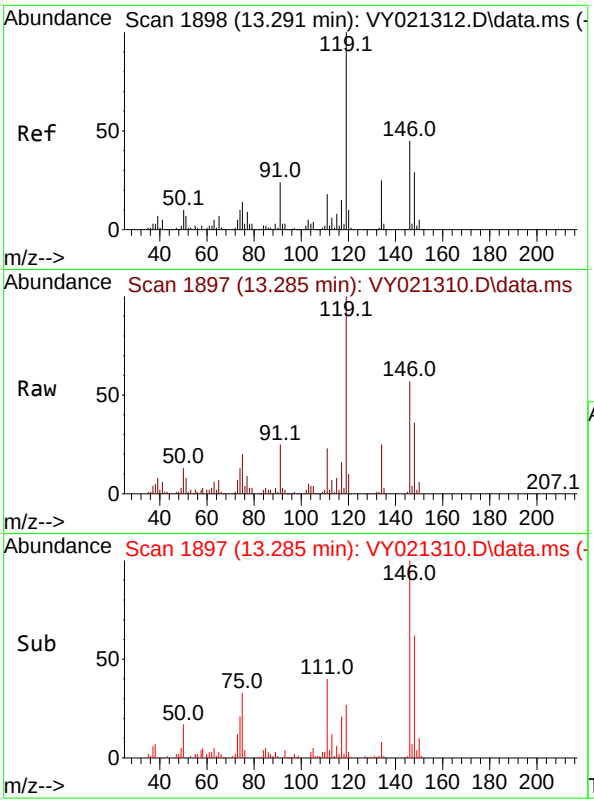


#86
p-Isopropyltoluene
Concen: 9.619 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:119 Resp: 81769

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.0	38.9
91	25.1	12.0	36.1

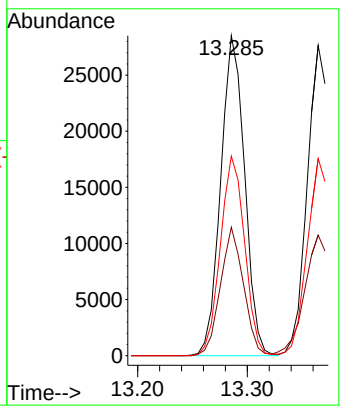




#87
1,3-Dichlorobenzene
Concen: 9.996 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 4326

Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.0	59.9
148	63.2	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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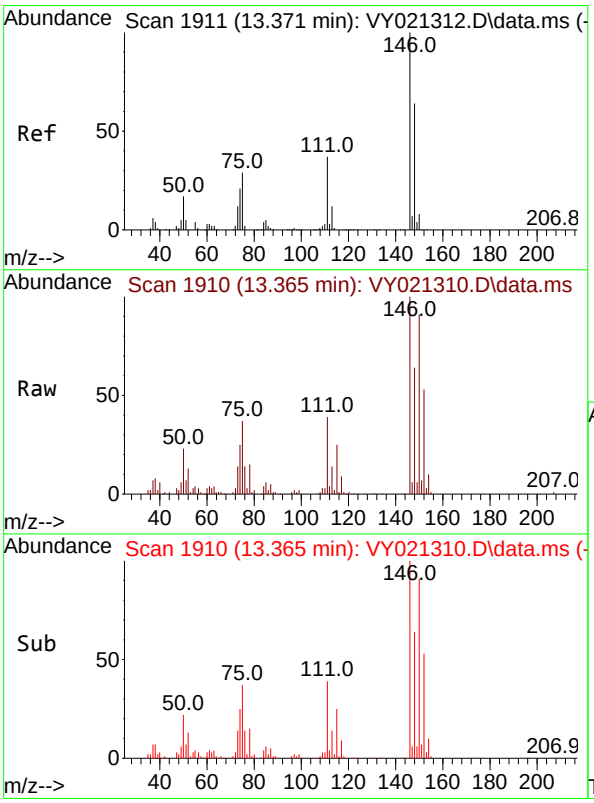
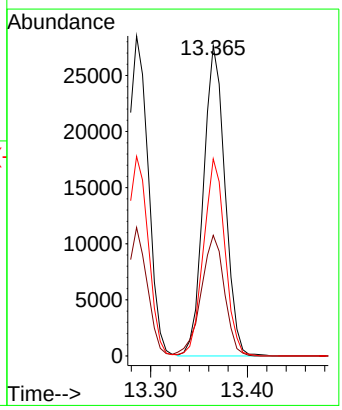
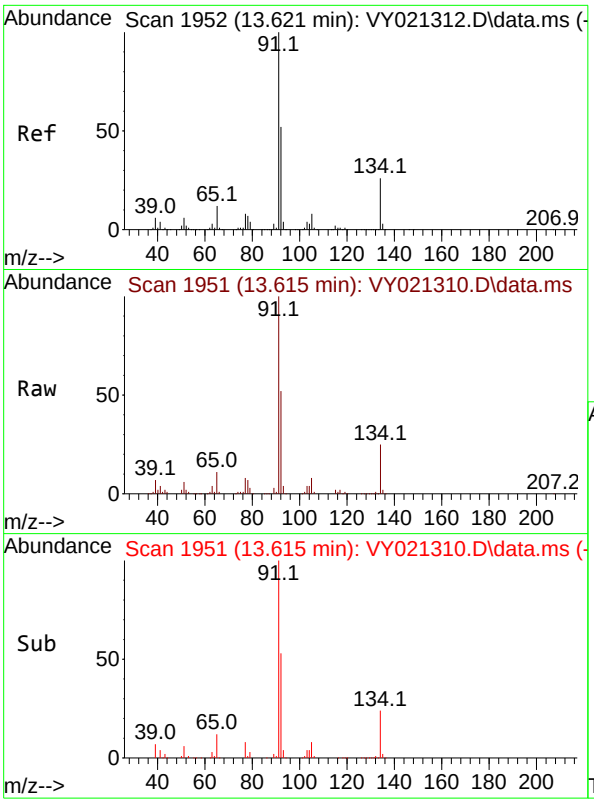


#88
1,4-Dichlorobenzene
Concen: 10.006 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 42788

Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.5	58.5
148	63.5	32.0	96.2

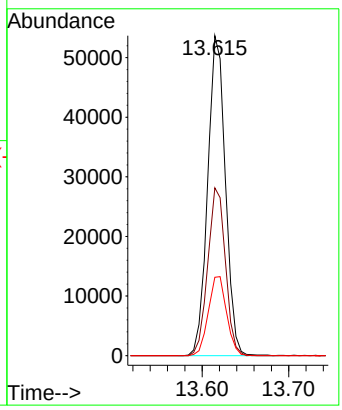




#89
n-Butylbenzene
Concen: 9.541 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 7632

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	25.5	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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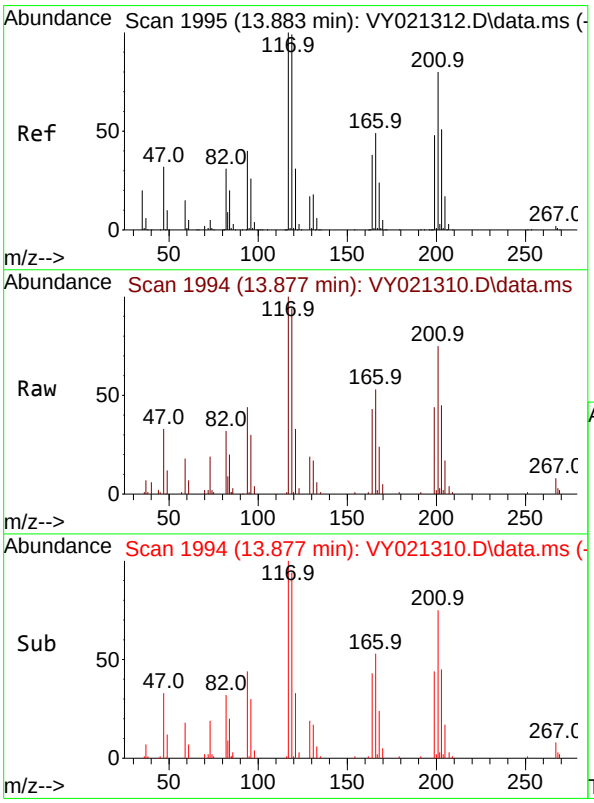
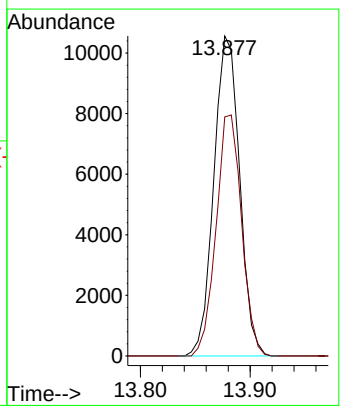
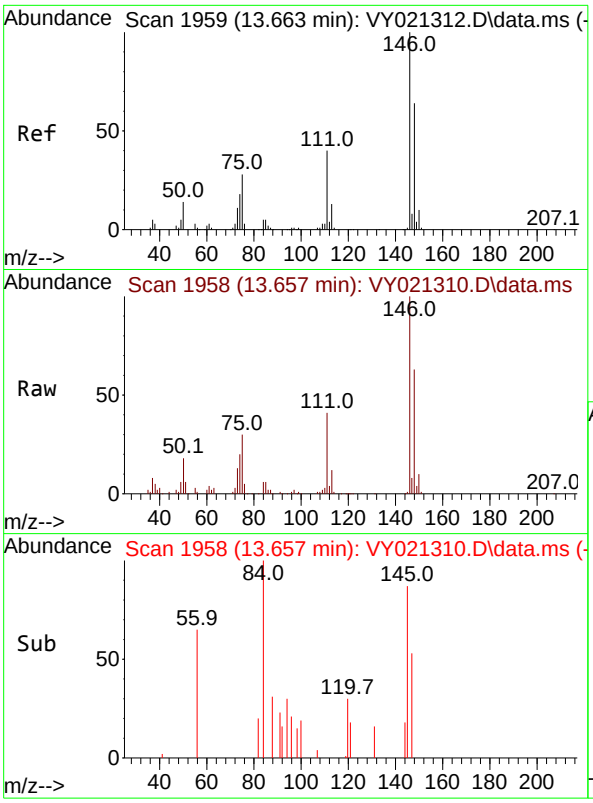


#90
Hexachloroethane
Concen: 9.721 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 17261

Ion	Ratio	Lower	Upper
117	100		
201	74.6	38.4	115.2

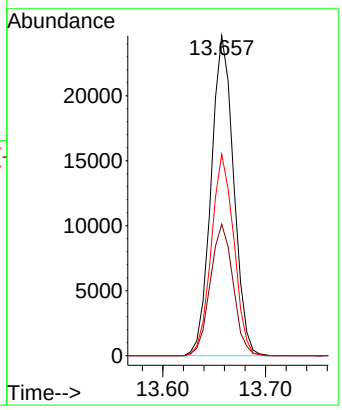




#91
1,2-Dichlorobenzene
Concen: 9.894 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 3752

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	62.8	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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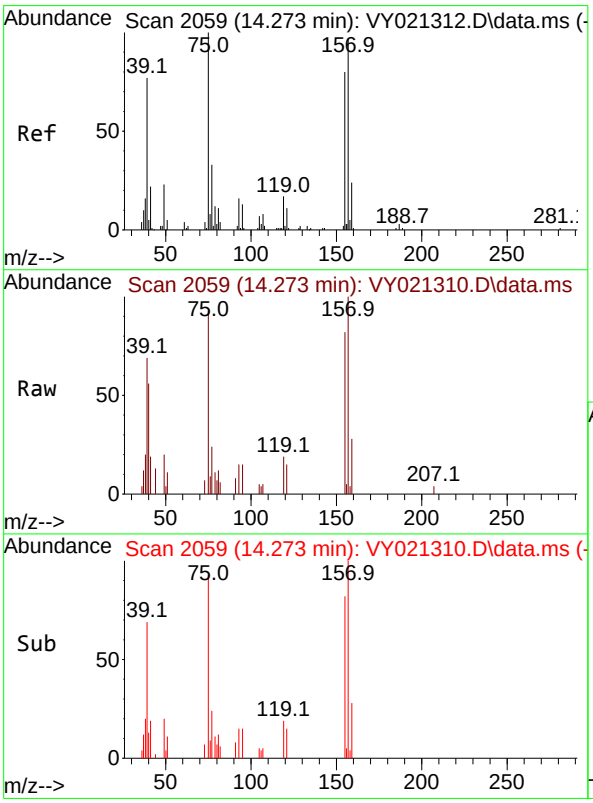
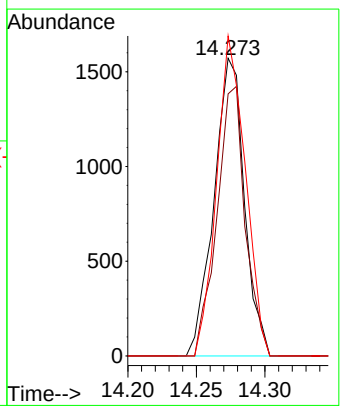
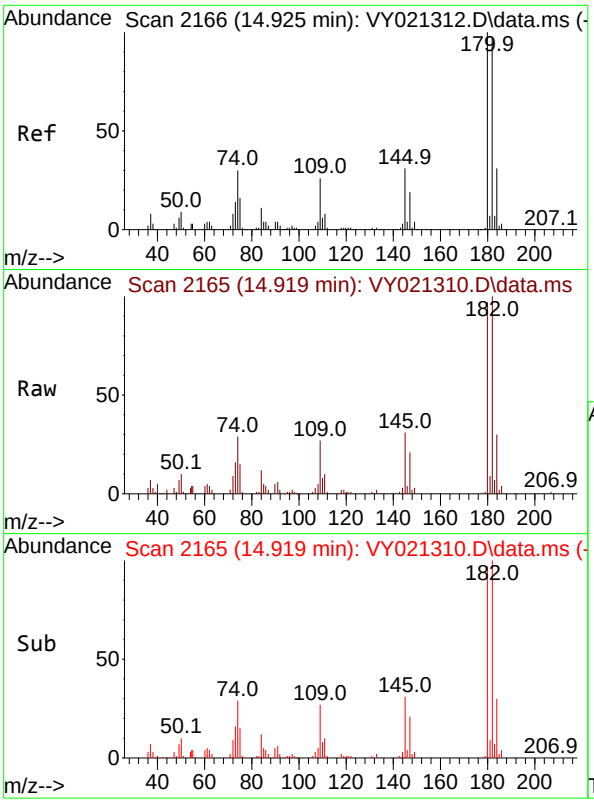


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.229 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 2424

Ion	Ratio	Lower	Upper
75	100		
155	84.3	41.9	125.6
157	101.6	52.5	157.6

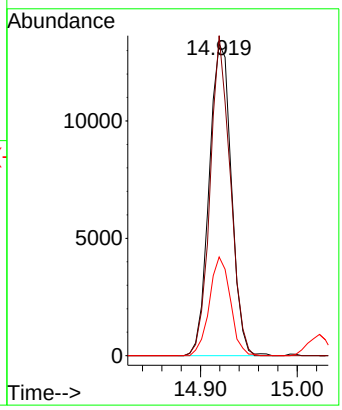




#93
1,2,4-Trichlorobenzene
Concen: 9.174 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:180 Resp: 2123

Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.9	143.7
145	29.9	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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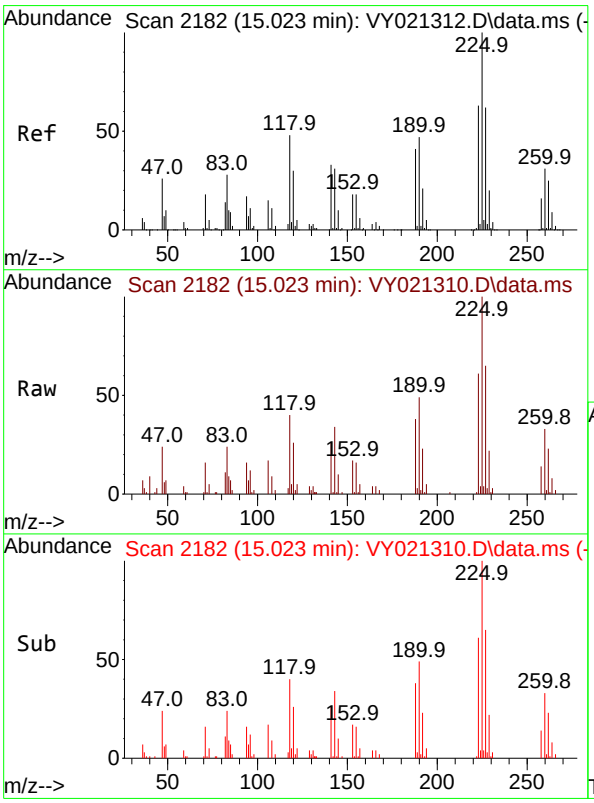
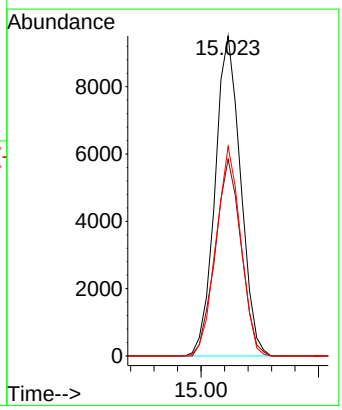
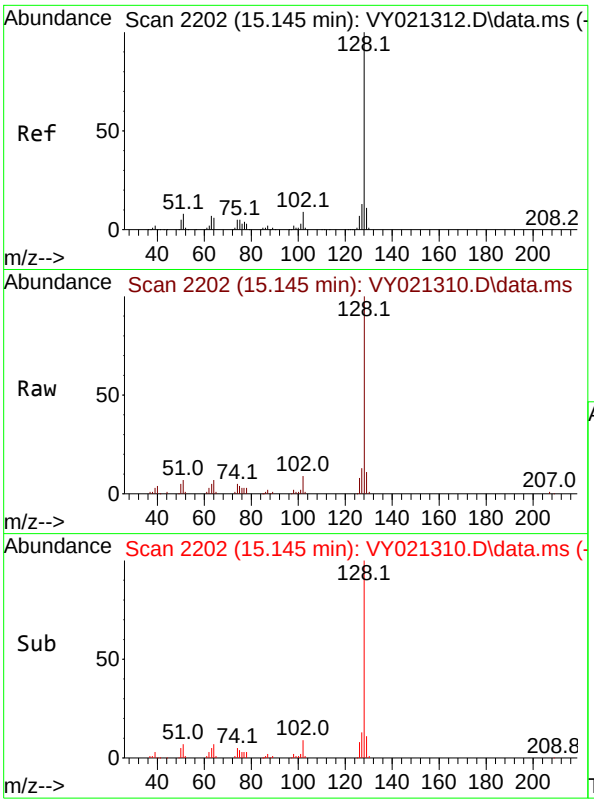


#94
Hexachlorobutadiene
Concen: 9.845 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:225 Resp: 14346

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.8	95.4
227	63.4	31.9	95.7

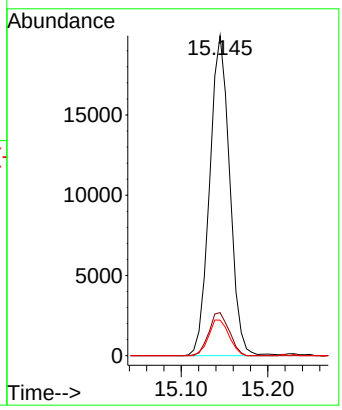




#95
Naphthalene
Concen: 8.371 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:128 Resp: 3209

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.4	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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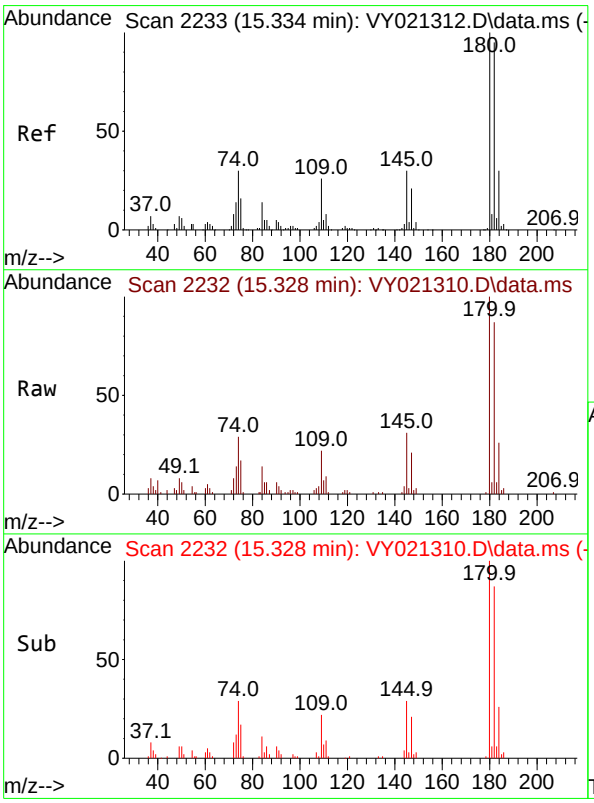
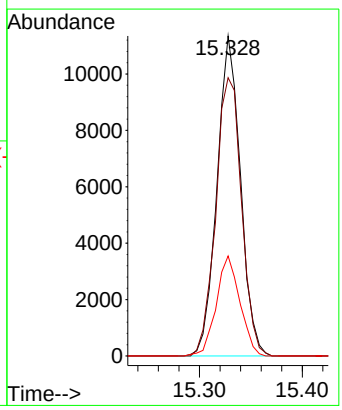


#96
1,2,3-Trichlorobenzene
Concen: 9.195 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:180 Resp: 17983

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.9
145	31.4	16.1	48.3



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Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	188363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	293434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	258896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	130546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41320	19.337	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.680%#		
35) Dibromofluoromethane	7.634	113	37265	19.371	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.740%#		
50) Toluene-d8	10.103	98	144409	19.423	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.840%#		
62) 4-Bromofluorobenzene	12.408	95	47417	18.950	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.900%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	32511	18.204	ug/l	96
3) Chloromethane	2.068	50	42633	18.484	ug/l	97
4) Vinyl Chloride	2.202	62	41719	18.429	ug/l	100
5) Bromomethane	2.586	94	27198	18.079	ug/l	98
6) Chloroethane	2.726	64	26161	18.635	ug/l	99
7) Trichlorofluoromethane	3.056	101	63170	18.477	ug/l	95
8) Diethyl Ether	3.452	74	19564	19.066	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	37017	18.701	ug/l	99
10) Methyl Iodide	4.001	142	36945	17.741	ug/l	99
11) Tert butyl alcohol	4.860	59	15935	96.952	ug/l	96
12) 1,1-Dichloroethene	3.787	96	34827	18.376	ug/l	98
13) Acrolein	3.647	56	22079	175.300	ug/l	100
14) Allyl chloride	4.379	41	61887	18.417	ug/l	98
15) Acrylonitrile	5.061	53	43763	96.460	ug/l	99
16) Acetone	3.866	43	35506	86.623	ug/l	96
17) Carbon Disulfide	4.104	76	116030	18.437	ug/l	99
18) Methyl Acetate	4.379	43	19534	19.500	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	95488	19.069	ug/l	97
20) Methylene Chloride	4.616	84	40630	18.331	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	38218	18.317	ug/l	98
22) Diisopropyl ether	6.019	45	132039	18.989	ug/l	97
23) Vinyl Acetate	5.958	43	393629	94.730	ug/l	99
24) 1,1-Dichloroethane	5.909	63	72428	18.480	ug/l	99
25) 2-Butanone	6.890	43	58941	95.278	ug/l	98
26) 2,2-Dichloropropane	6.884	77	63686	17.908	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	44297	18.592	ug/l	98
28) Bromochloromethane	7.244	49	32987	19.022	ug/l	99
29) Tetrahydrofuran	7.256	42	39775	98.365	ug/l	98
30) Chloroform	7.421	83	73639	18.543	ug/l	96
31) Cyclohexane	7.701	56	68531	18.191	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	67011	18.538	ug/l	98
36) 1,1-Dichloropropene	7.835	75	53995	18.685	ug/l	100
37) Ethyl Acetate	6.982	43	27188	18.914	ug/l	98
38) Carbon Tetrachloride	7.817	117	59733	18.387	ug/l	98
39) Methylcyclohexane	9.103	83	68516	18.746	ug/l	98
40) Benzene	8.079	78	159536	18.676	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	14108	17.554	ug/l		92
42) 1,2-Dichloroethane	8.152	62	46152	19.043	ug/l		99
43) Isopropyl Acetate	8.195	43	54484	19.583	ug/l		98
44) Trichloroethene	8.866	130	40005	18.706	ug/l		93
45) 1,2-Dichloropropane	9.140	63	38611	18.782	ug/l		100
46) Dibromomethane	9.231	93	21421	19.063	ug/l		99
47) Bromodichloromethane	9.420	83	56033	18.701	ug/l		98
48) Methyl methacrylate	9.219	41	24461	18.801	ug/l		97
49) 1,4-Dioxane	9.225	88	5308	424.825	ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	140187	98.430	ug/l		100
52) Toluene	10.170	92	100050	18.854	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	50957	18.563	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	61967	19.122	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	27942	19.088	ug/l		99
56) Ethyl methacrylate	10.438	69	36997	18.291	ug/l		95
57) 1,3-Dichloropropane	10.713	76	49499	19.270	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	93377	96.179	ug/l		100
59) 2-Hexanone	10.762	43	90882	97.163	ug/l		100
60) Dibromochloromethane	10.908	129	37808	18.964	ug/l		99
61) 1,2-Dibromoethane	11.012	107	26519	19.135	ug/l		99
64) Tetrachloroethene	10.646	164	36387	18.595	ug/l		97
65) Chlorobenzene	11.438	112	107621	18.519	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	37487	18.422	ug/l		99
67) Ethyl Benzene	11.518	91	189052	18.366	ug/l		99
68) m/p-Xylenes	11.627	106	144073	37.210	ug/l		99
69) o-Xylene	11.950	106	67060	18.488	ug/l		100
70) Styrene	11.969	104	113033	18.729	ug/l		99
71) Bromoform	12.133	173	21886	18.800	ug/l	#	99
73) Isopropylbenzene	12.255	105	179489	18.288	ug/l		99
74) N-amyl acetate	12.072	43	47224	18.930	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	32419	18.717	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	23402m	17.801	ug/l		
77) Bromobenzene	12.530	156	42078	18.433	ug/l		99
78) n-propylbenzene	12.597	91	220158	18.486	ug/l		100
79) 2-Chlorotoluene	12.676	91	125969	18.430	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	150004	18.635	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	10866	18.483	ug/l		99
82) 4-Chlorotoluene	12.780	91	130335	18.396	ug/l		100
83) tert-Butylbenzene	12.999	119	135829	18.681	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	149358	18.657	ug/l		99
85) sec-Butylbenzene	13.176	105	196335	18.486	ug/l		100
86) p-Isopropyltoluene	13.292	119	165127	18.620	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	83463	18.483	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	83179	18.646	ug/l		99
89) n-Butylbenzene	13.615	91	153032	18.337	ug/l		100
90) Hexachloroethane	13.877	117	33341	17.998	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	73513	18.581	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5181	18.908	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	42908	17.770	ug/l		99
94) Hexachlorobutadiene	15.023	225	27015	17.771	ug/l		99
95) Naphthalene	15.145	128	71044	17.763	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	36460	17.871	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

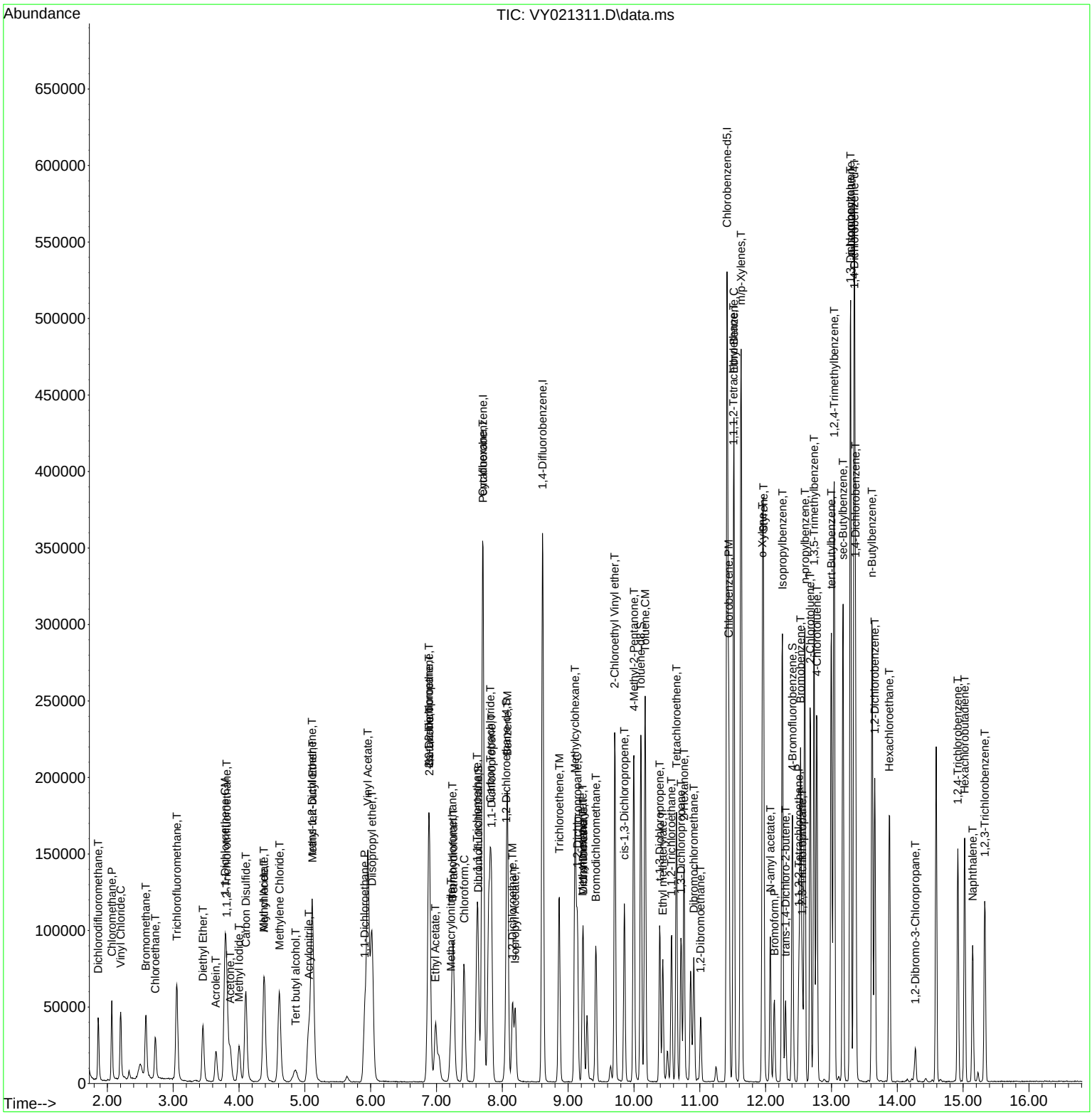
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

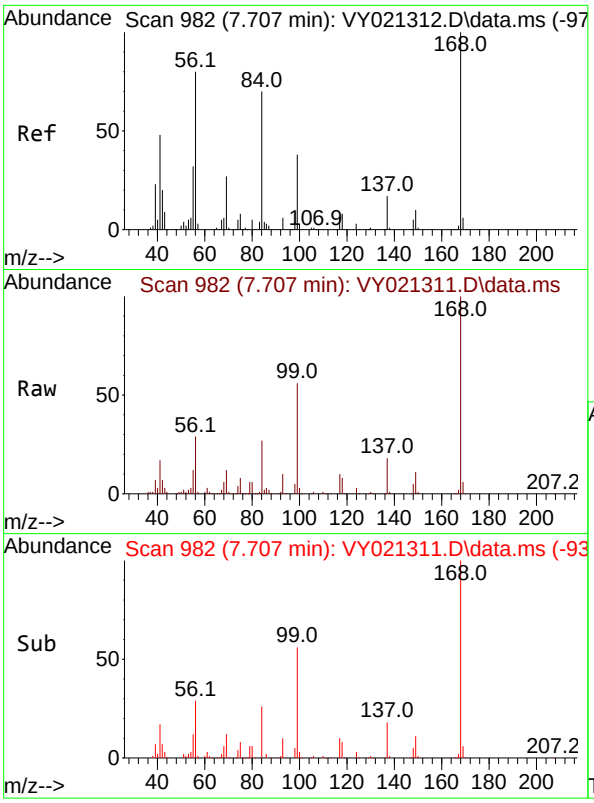
Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

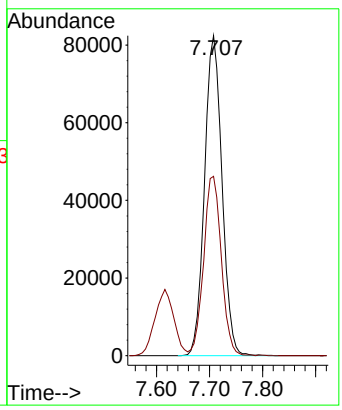




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:168 Resp: 18836

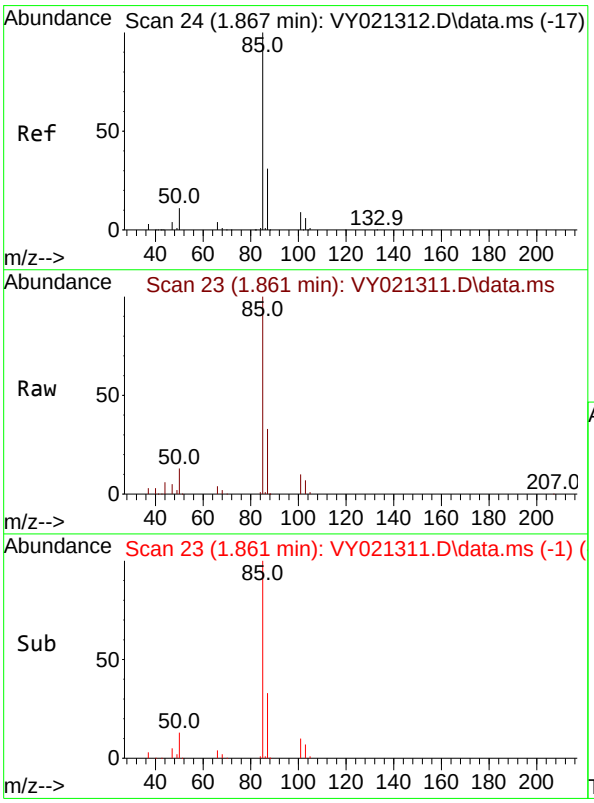
Ion	Ratio	Lower	Upper
168	100		
99	56.0	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

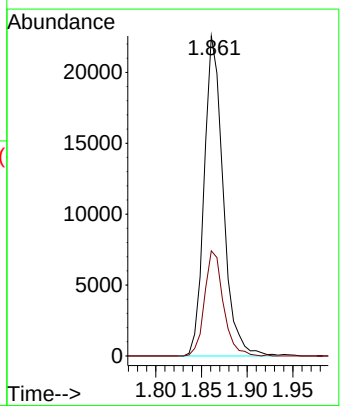
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

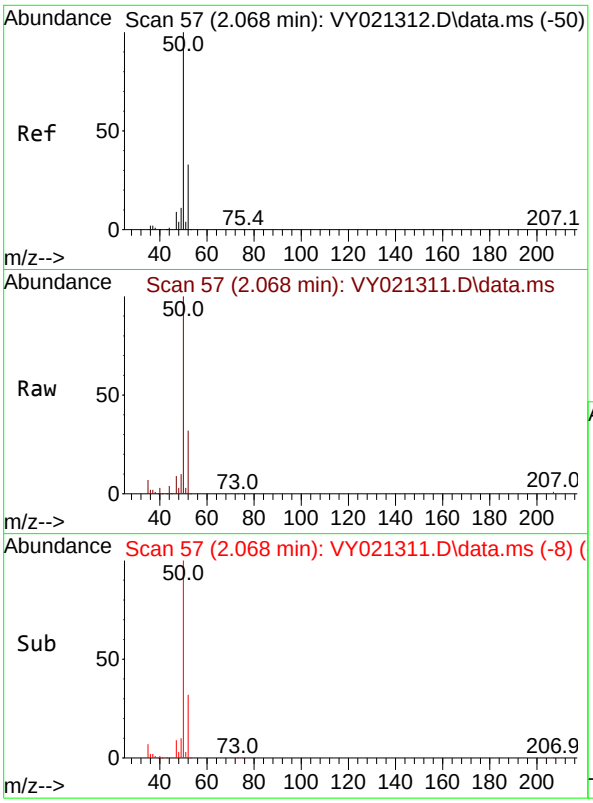


#2
Dichlorodifluoromethane
Concen: 18.204 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 85 Resp: 32511

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.4	46.4

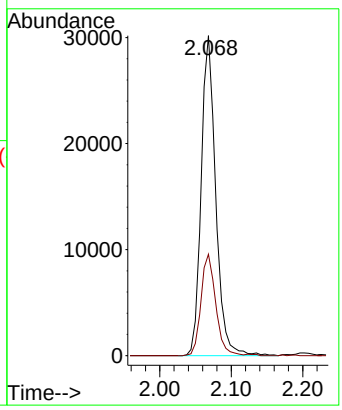




#3
Chloromethane
Concen: 18.484 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 50 Resp: 4263

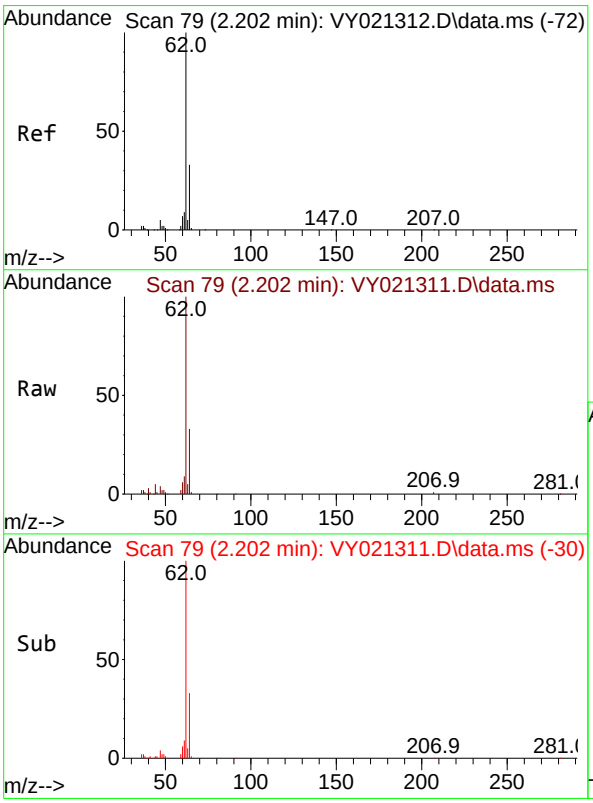
Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

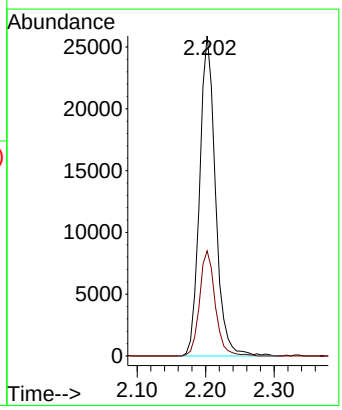
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

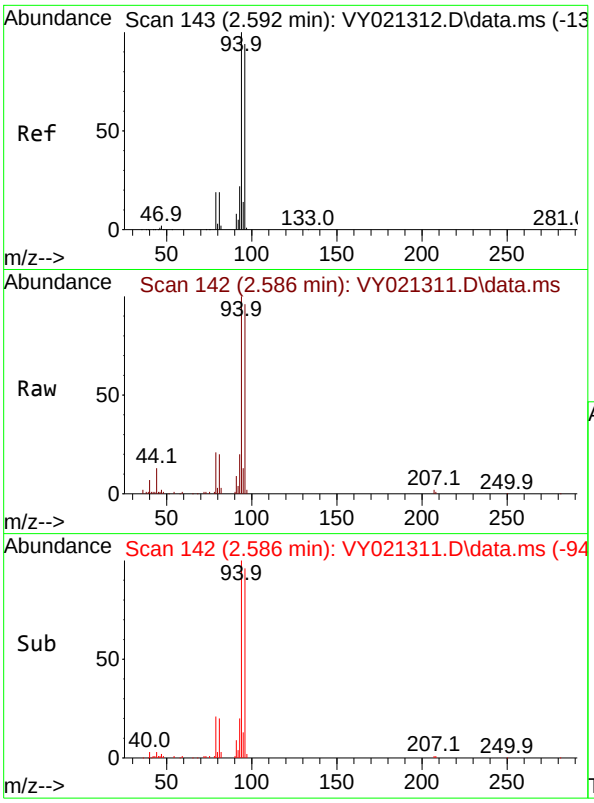


#4
Vinyl Chloride
Concen: 18.429 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 41719

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.3	39.5

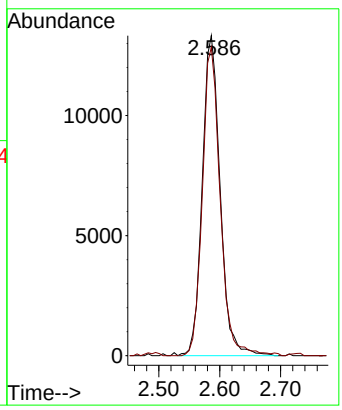




#5
Bromomethane
Concen: 18.079 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 94 Resp: 2719

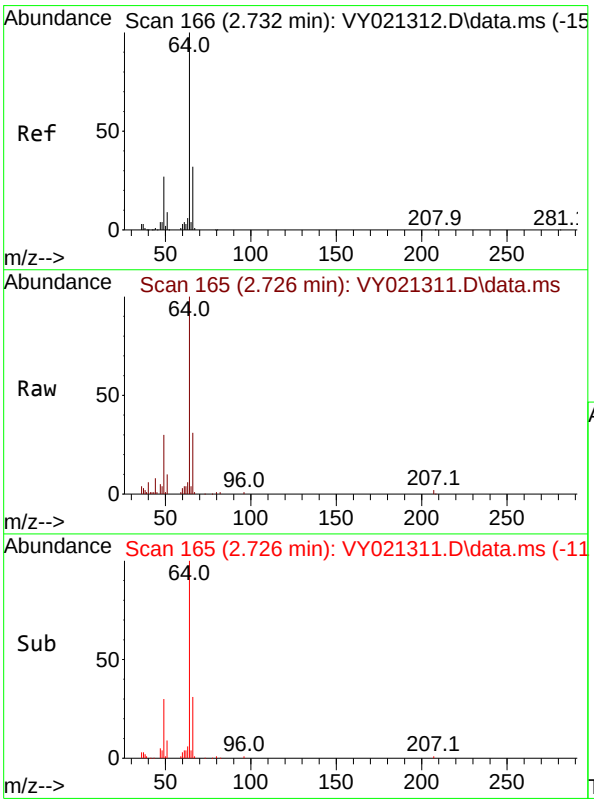
Ion	Ratio	Lower	Upper
94	100		
96	96.3	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

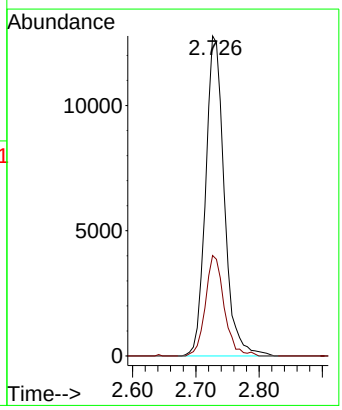
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

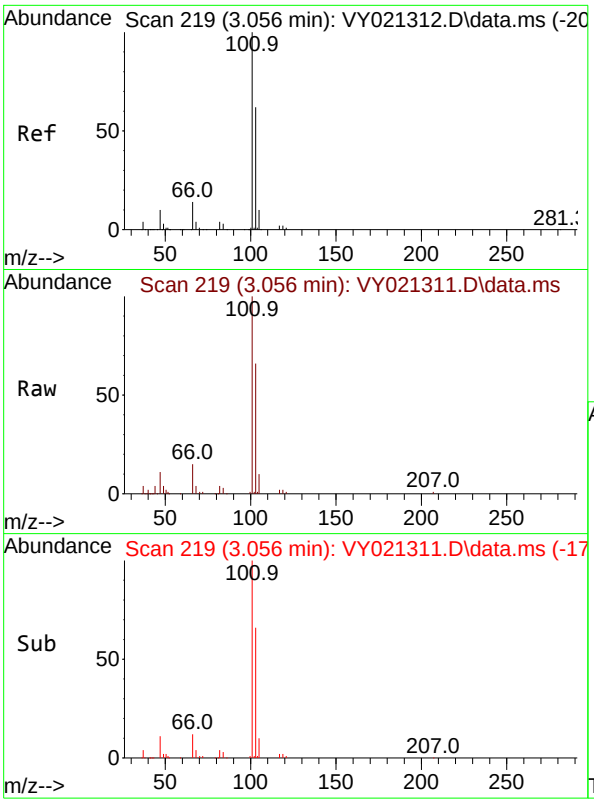


#6
Chloroethane
Concen: 18.635 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 64 Resp: 26161

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.4	38.0

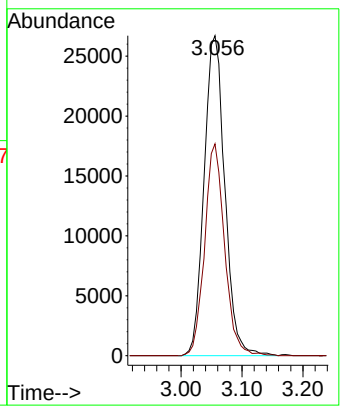




#7
Trichlorofluoromethane
Concen: 18.477 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:101 Resp: 6317

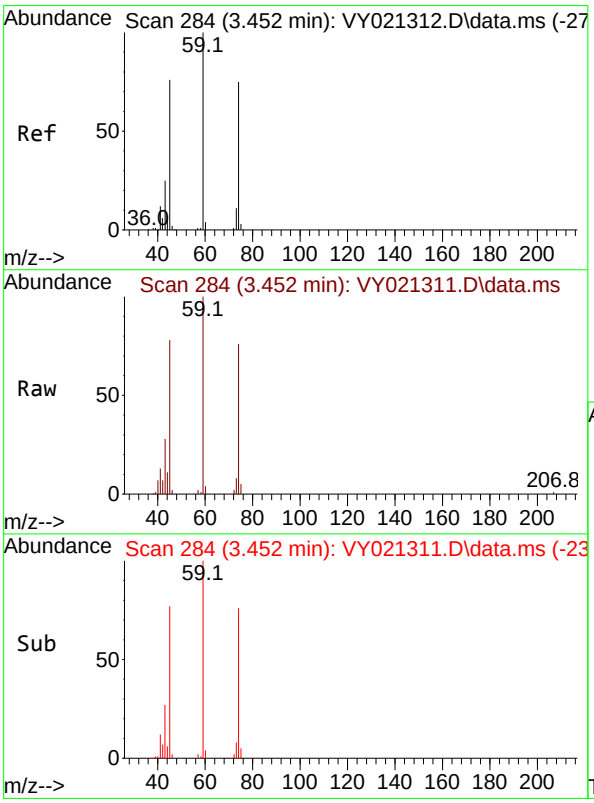
Ion	Ratio	Lower	Upper
101	100		
103	66.2	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

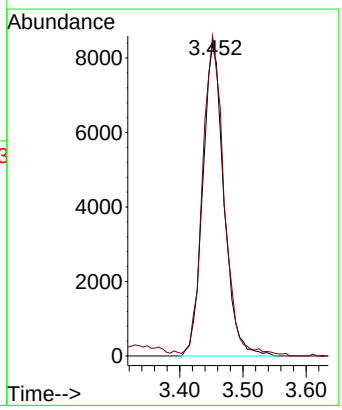
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

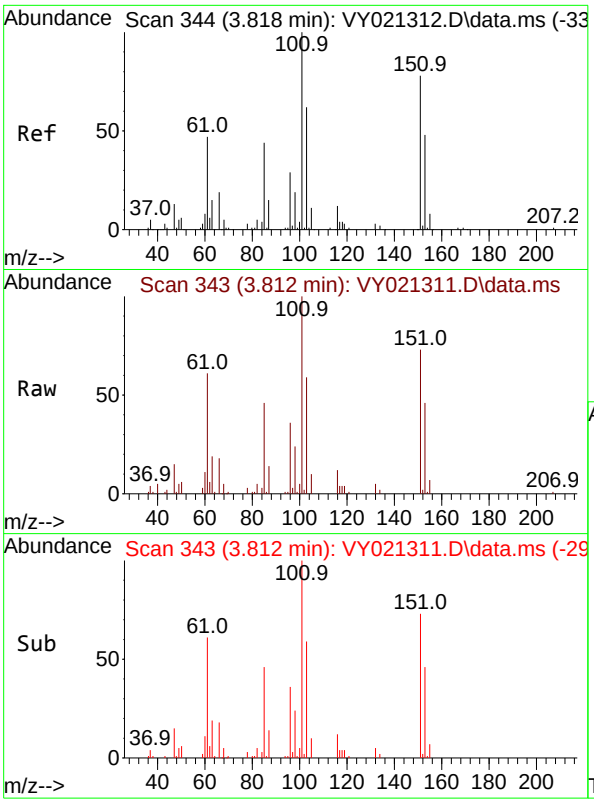


#8
Diethyl Ether
Concen: 19.066 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 74 Resp: 19564

Ion	Ratio	Lower	Upper
74	100		
45	104.3	50.3	150.9

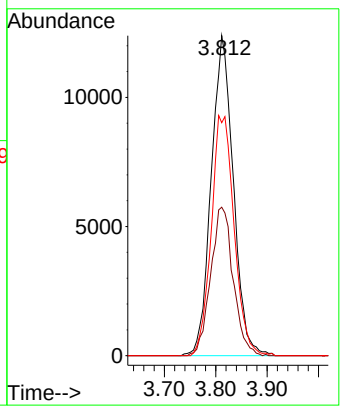




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.701 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:101 Resp: 3701

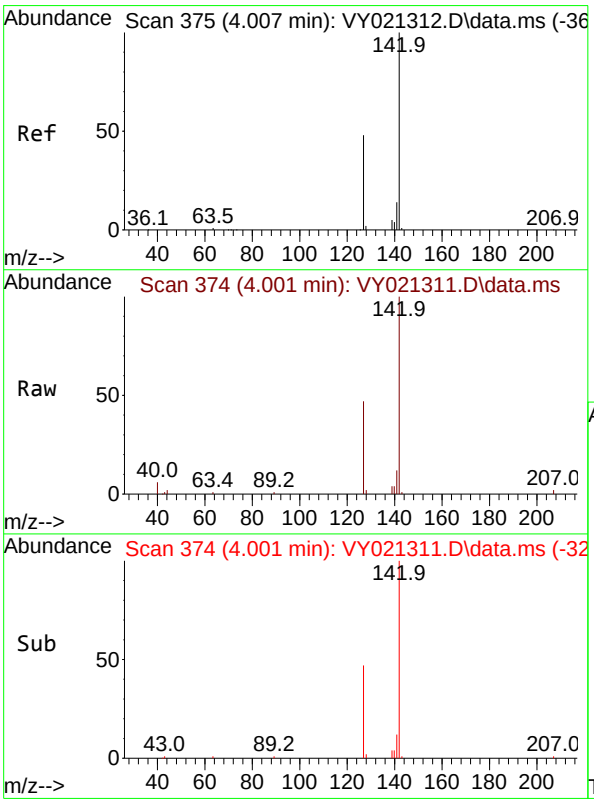
Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.7	55.1
151	77.8	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

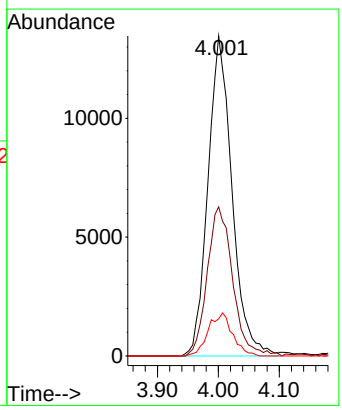
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

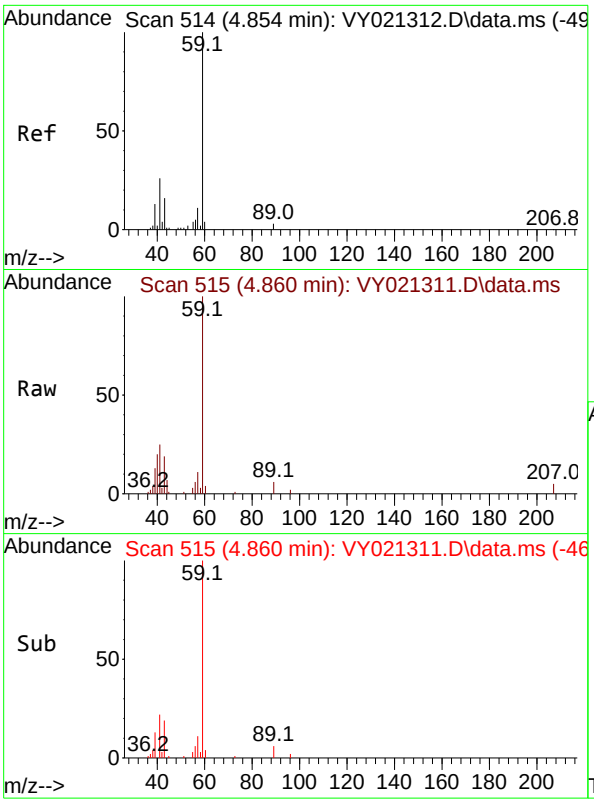


#10
Methyl Iodide
Concen: 17.741 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:142 Resp: 36945

Ion	Ratio	Lower	Upper
142	100		
127	49.1	39.2	58.8
141	13.5	11.4	17.2

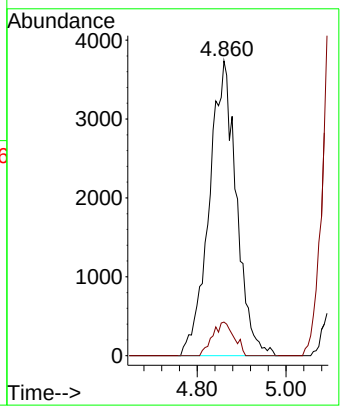




#11
Tert butyl alcohol
Concen: 96.952 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 59 Resp: 1593

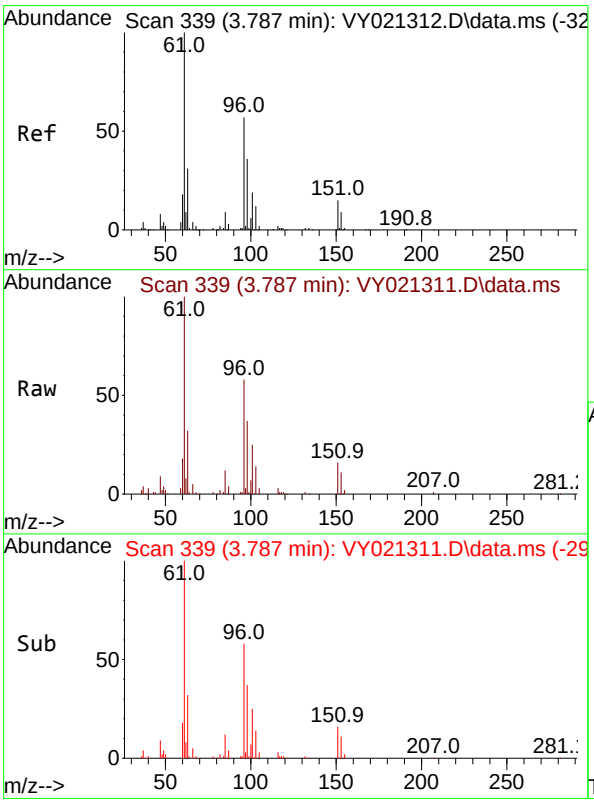
Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

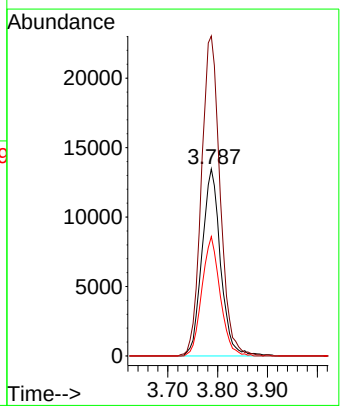
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

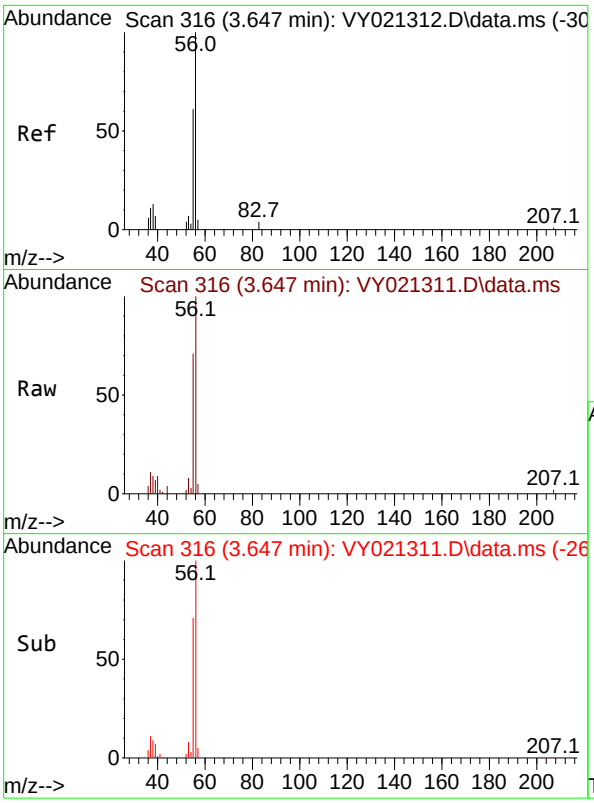


#12
1,1-Dichloroethene
Concen: 18.376 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 34827

Ion	Ratio	Lower	Upper
96	100		
61	171.1	139.7	209.5
98	63.8	49.7	74.5

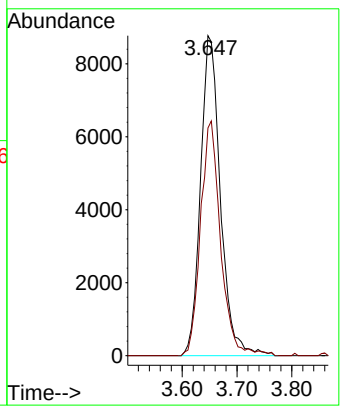




#13
Acrolein
Concen: 175.300 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 56 Resp: 2207

Ion	Ratio	Lower	Upper
56	100		
55	74.0	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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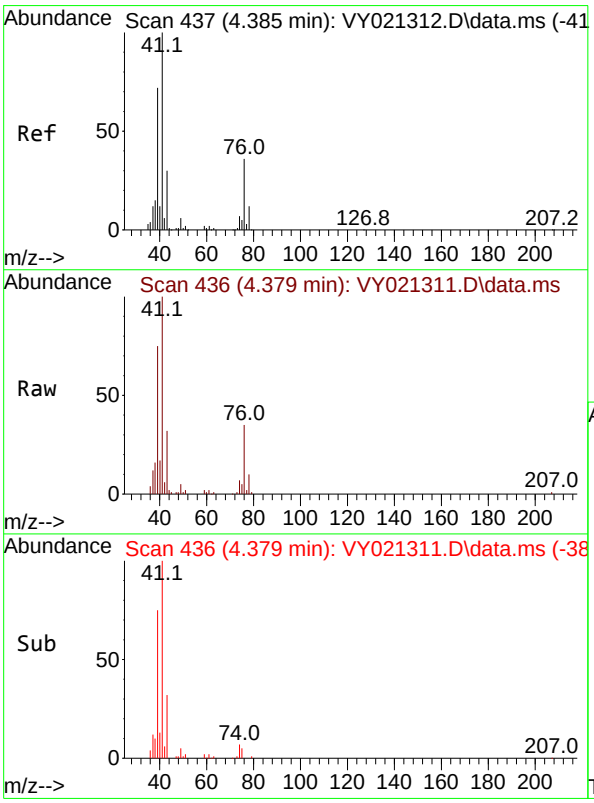
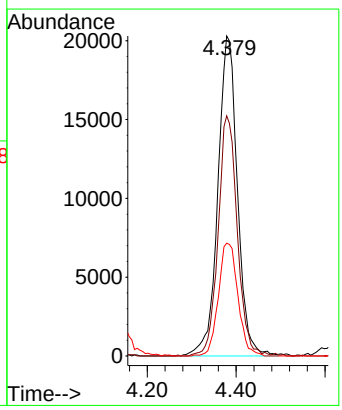
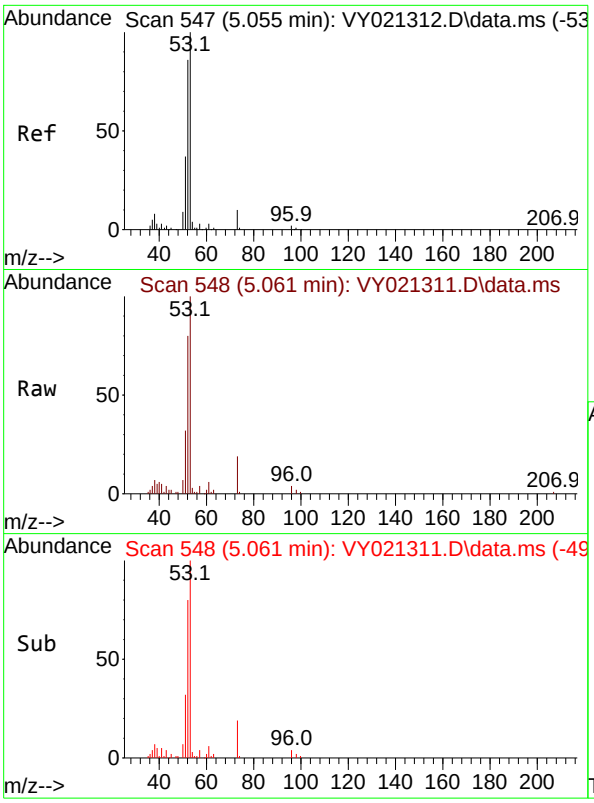


#14
Allyl chloride
Concen: 18.417 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 61887

Ion	Ratio	Lower	Upper
41	100		
39	73.3	60.0	90.0
76	35.2	29.0	43.6

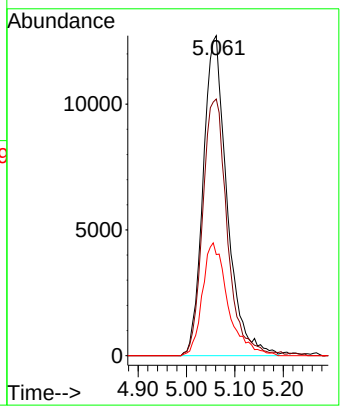




#15
Acrylonitrile
Concen: 96.460 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 53 Resp: 4376

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.8	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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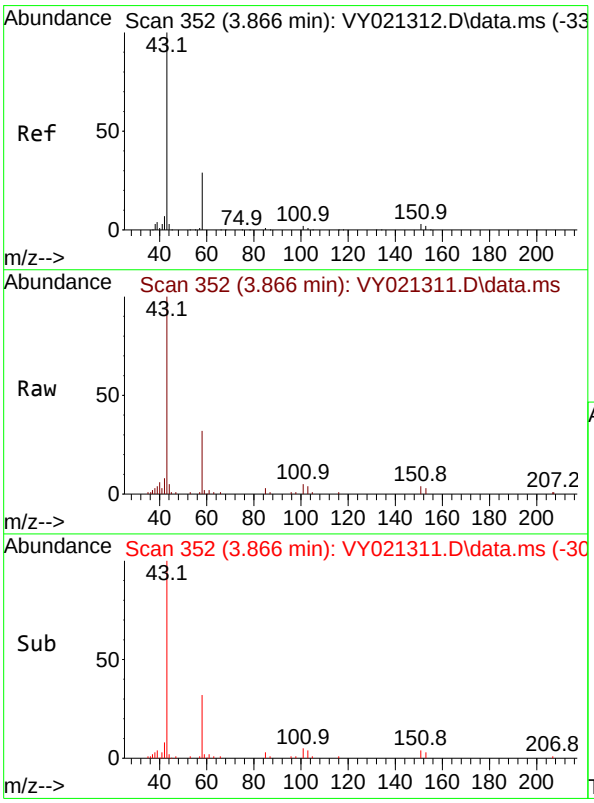
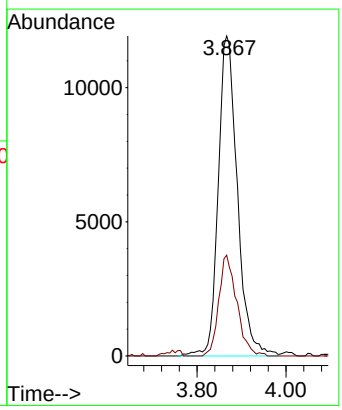
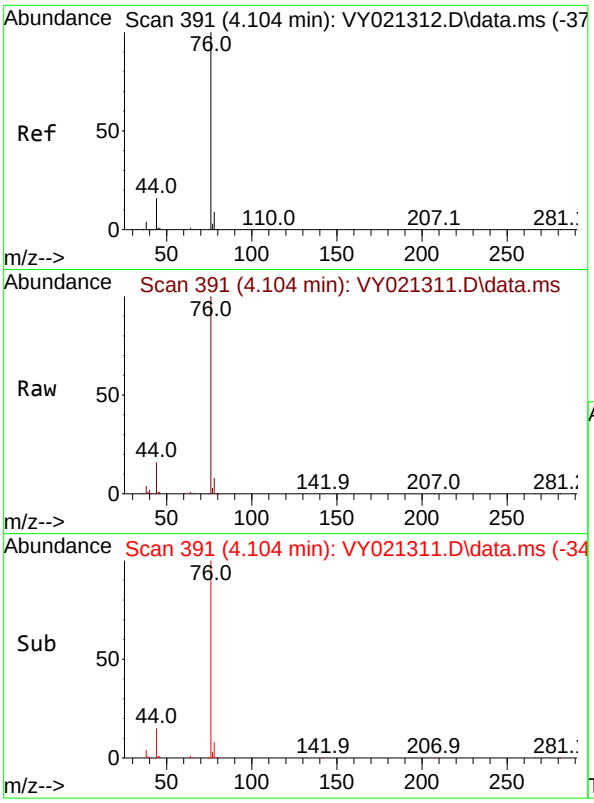


#16
Acetone
Concen: 86.623 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 35506

Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.5	35.3

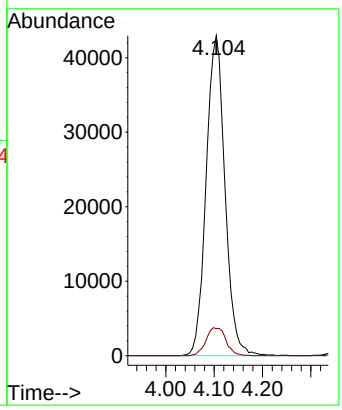




#17
Carbon Disulfide
Concen: 18.437 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 76 Resp: 11603

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7



Instrument :
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ClientSampleId :
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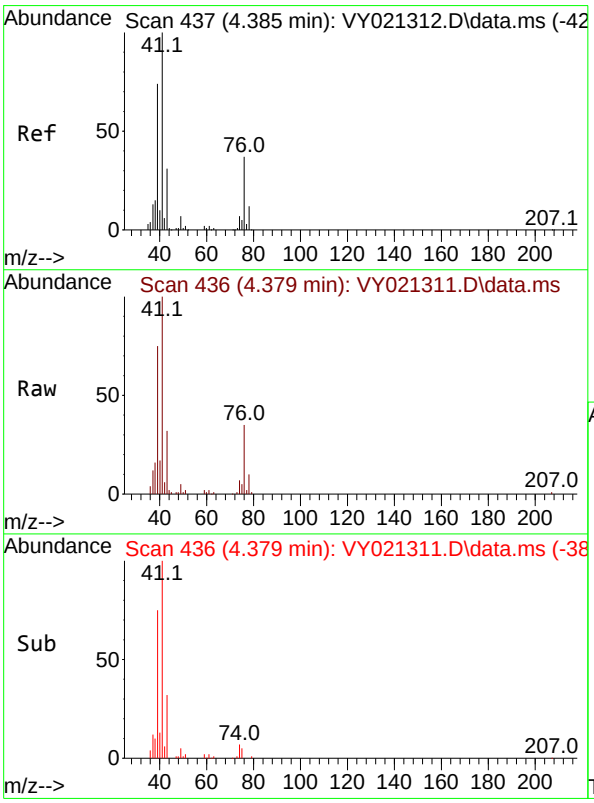
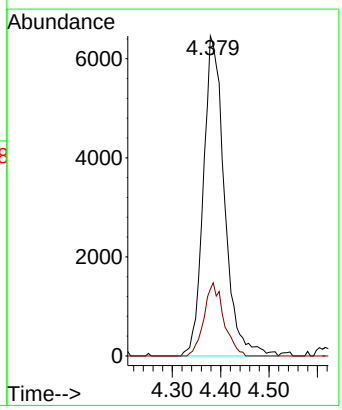
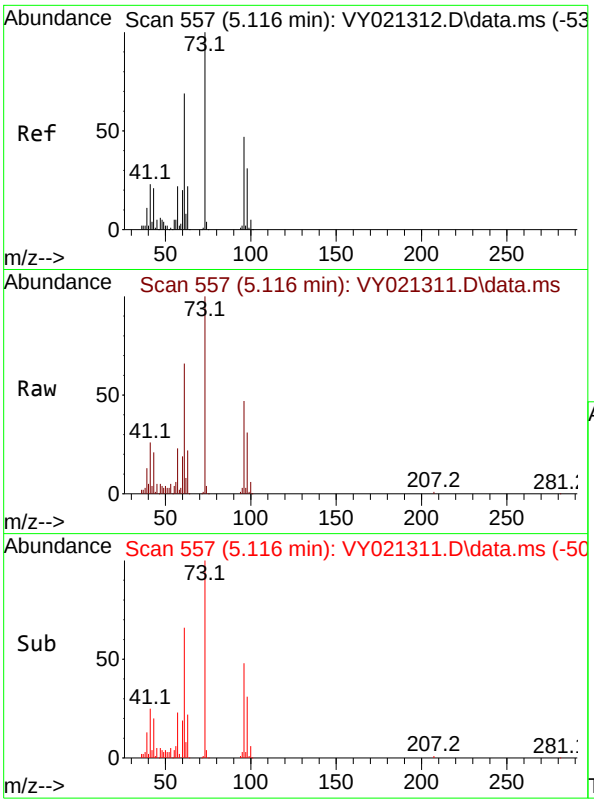


#18
Methyl Acetate
Concen: 19.500 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 19534

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.7	26.5

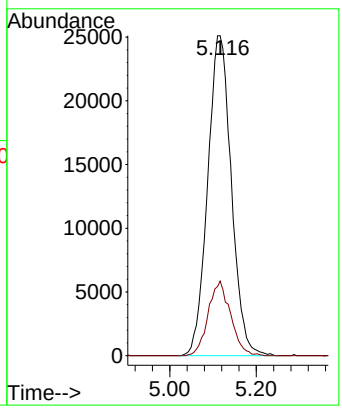




#19
Methyl tert-butyl Ether
Concen: 19.069 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 73 Resp: 9548

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.4	26.0



Instrument :
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ClientSampleId :
VSTDICC020

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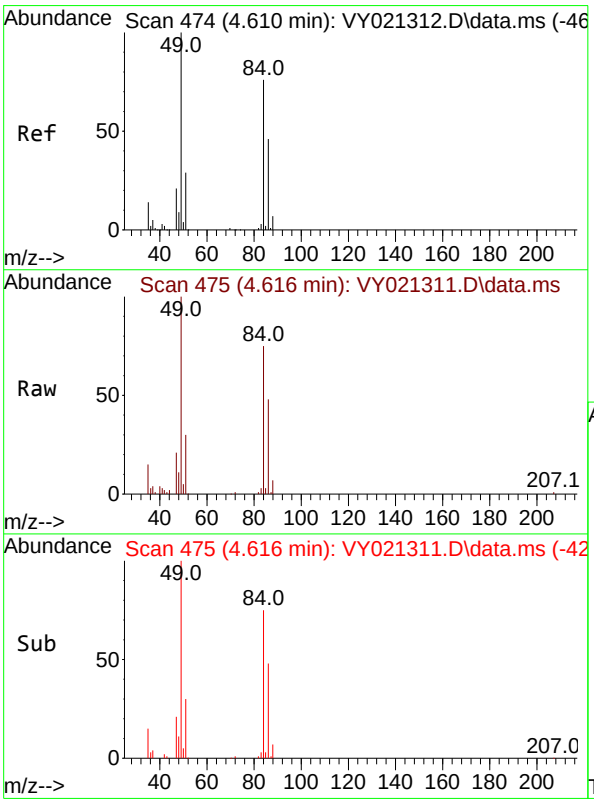
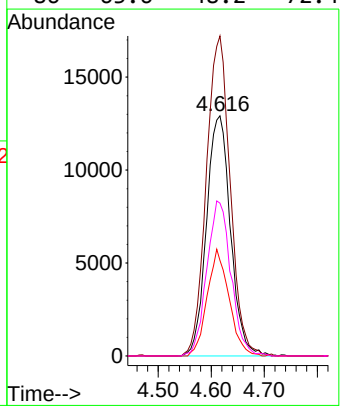
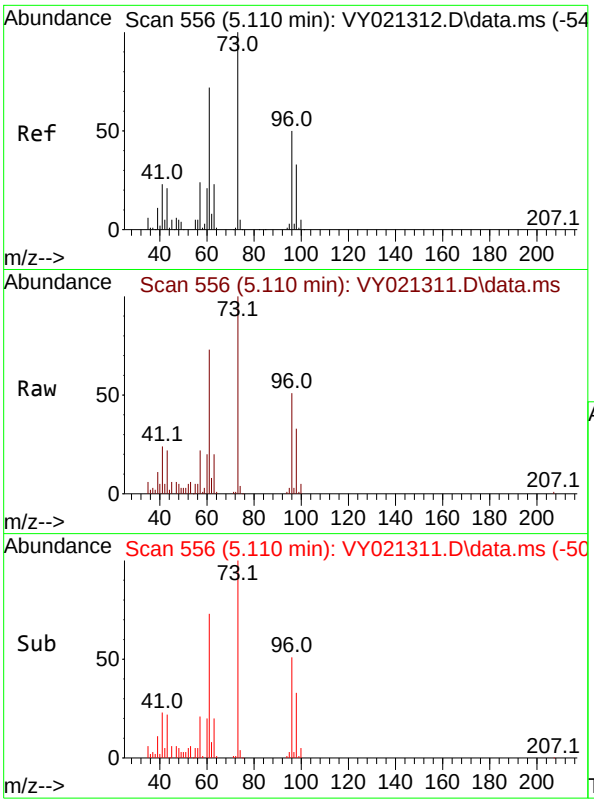


#20
Methylene Chloride
Concen: 18.331 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 84 Resp: 40630

Ion	Ratio	Lower	Upper
84	100		
49	133.3	105.1	157.7
51	39.8	31.0	46.4
86	63.6	48.2	72.4

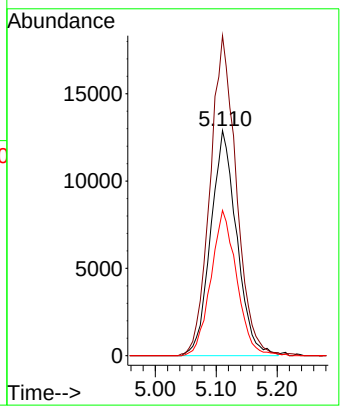




#21
trans-1,2-Dichloroethene
Concen: 18.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 3821

Ion	Ratio	Lower	Upper
96	100		
61	142.1	116.3	174.5
98	64.5	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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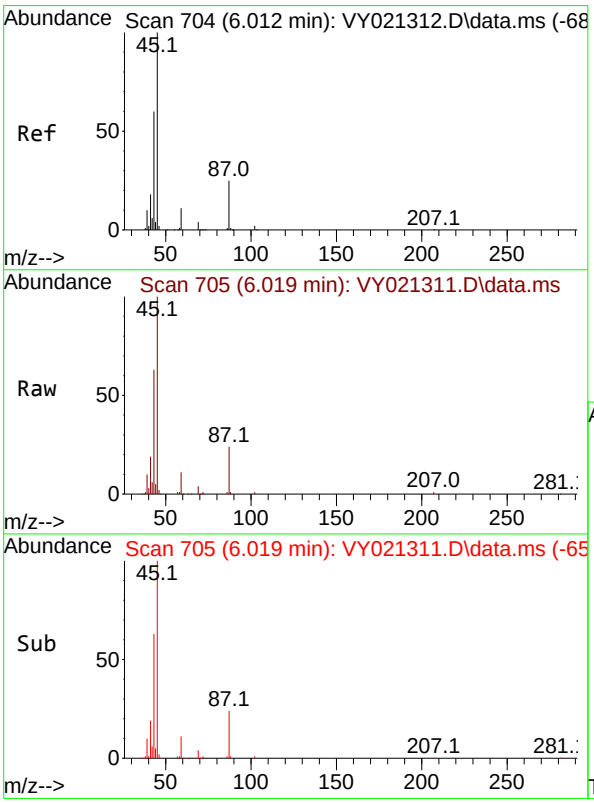
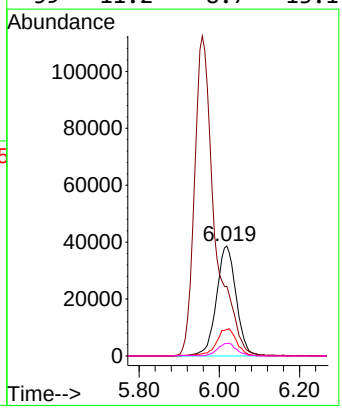
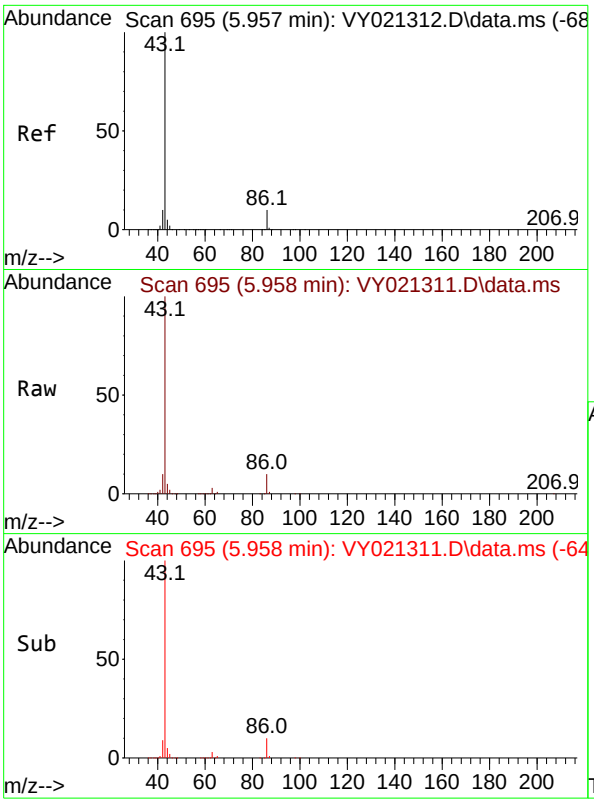


#22
Diisopropyl ether
Concen: 18.989 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 45 Resp: 132039

Ion	Ratio	Lower	Upper
45	100		
43	62.7	48.2	72.4
87	24.1	20.3	30.5
59	11.2	8.7	13.1





#23
Vinyl Acetate
Concen: 94.730 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 39362

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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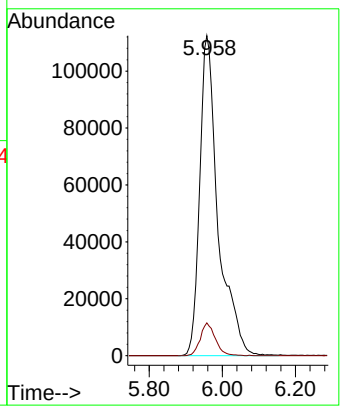
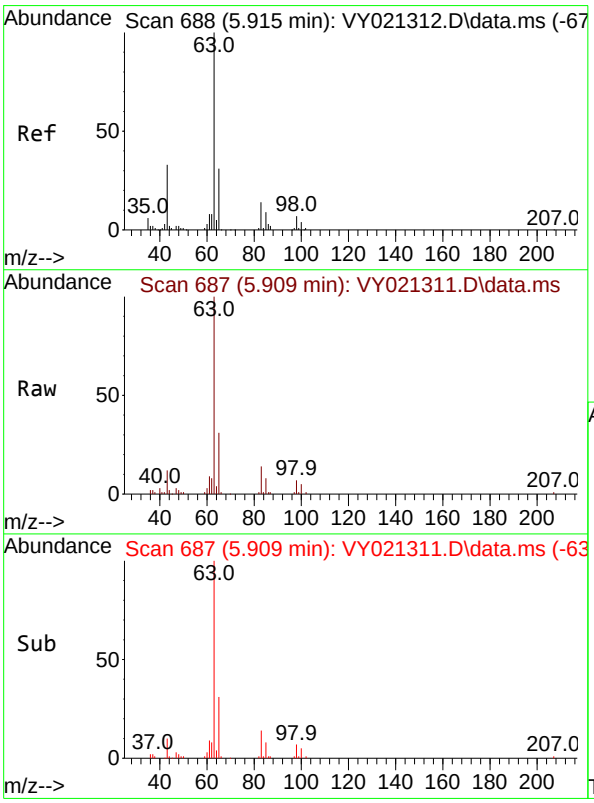
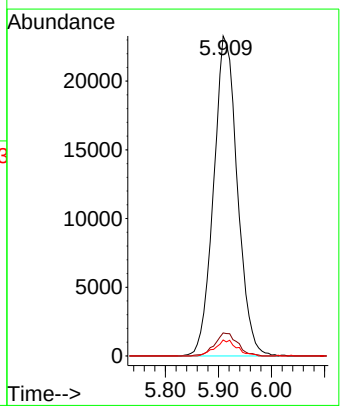


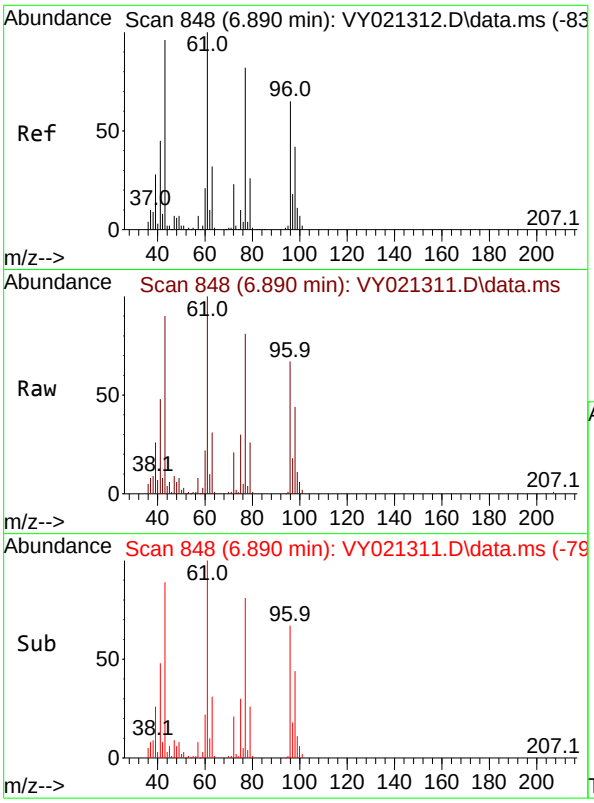


#24
1,1-Dichloroethane
Concen: 18.480 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 72428

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.7	11.1
100	5.0	2.1	6.5

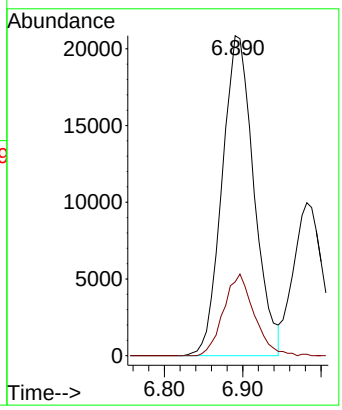




#25
2-Butanone
Concen: 95.278 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 5894

Ion	Ratio	Lower	Upper
43	100		
72	23.0	19.0	28.6



Instrument :
MSVOA_Y
ClientSampleId :
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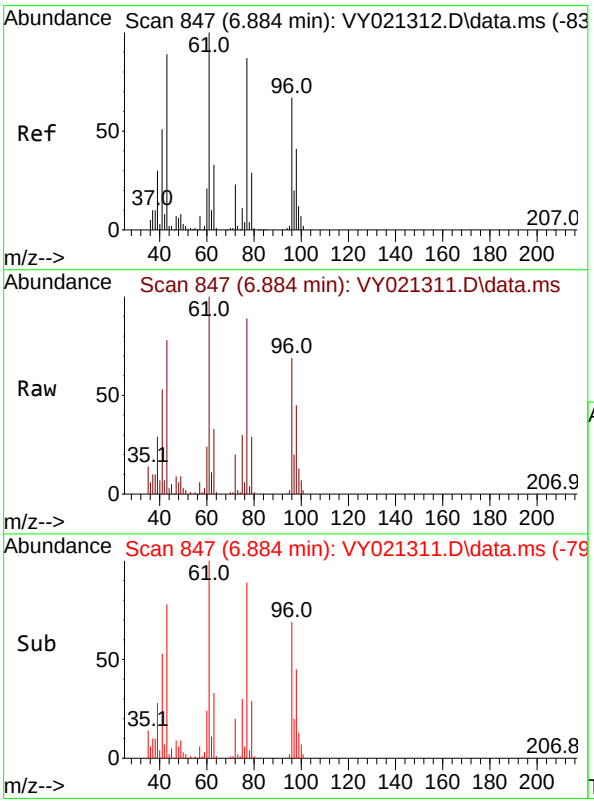
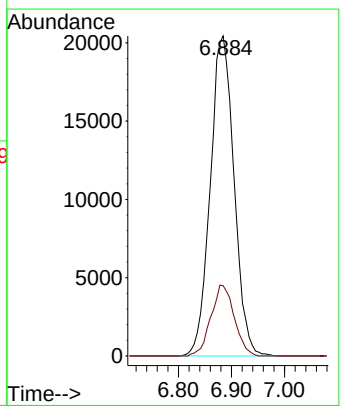
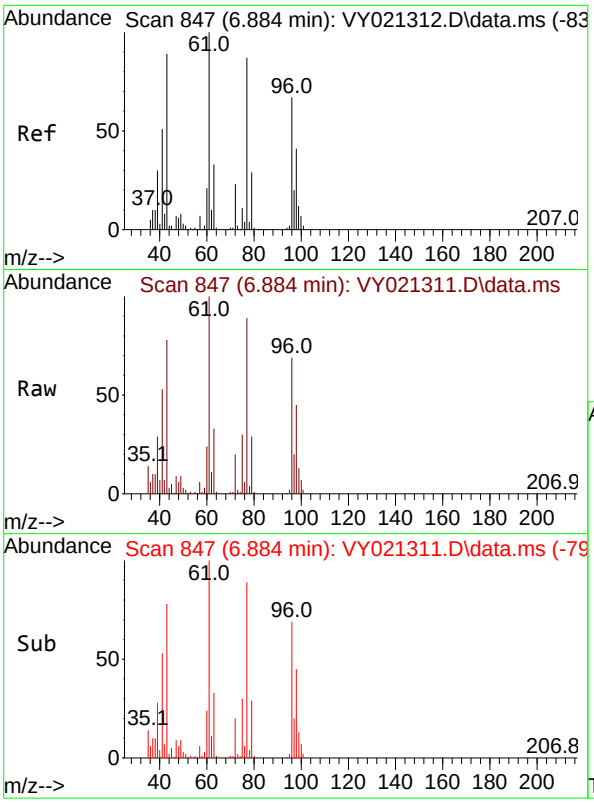


#26
2,2-Dichloropropane
Concen: 17.908 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 77 Resp: 63686

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7

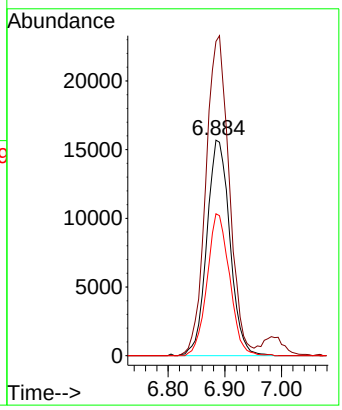




#27
cis-1,2-Dichloroethene
Concen: 18.592 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 4429

Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	308.0
98	64.3	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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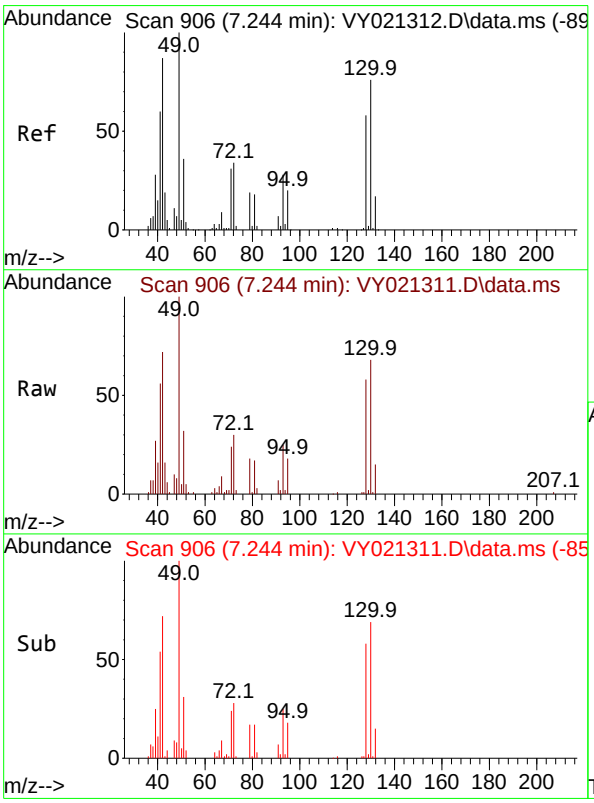
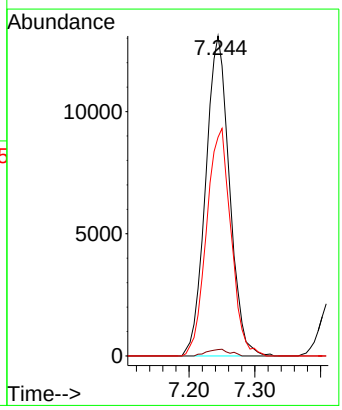
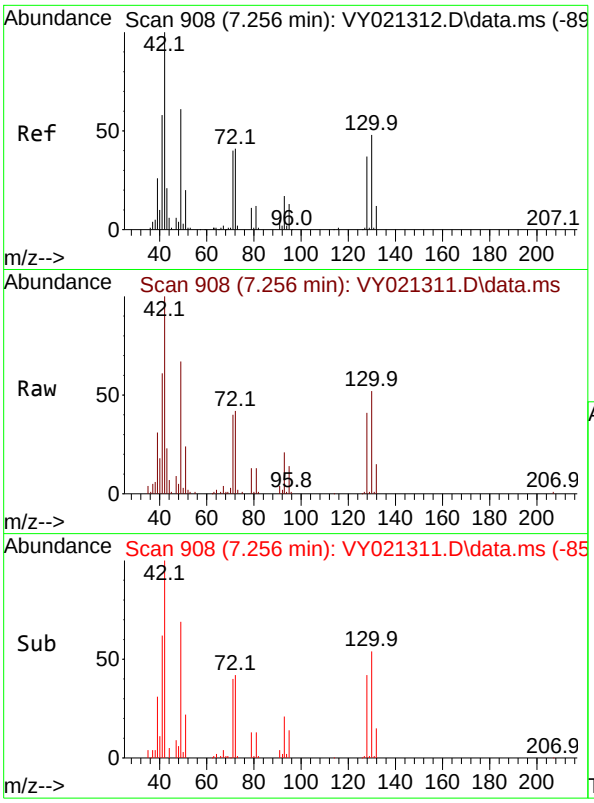


#28
Bromochloromethane
Concen: 19.022 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 49 Resp: 32987

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	73.2	57.8	86.6

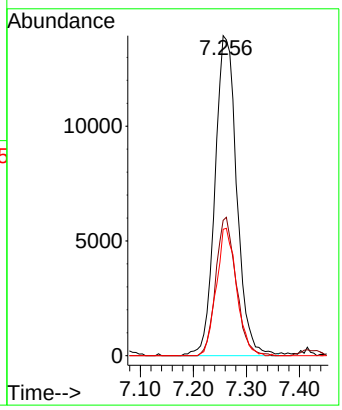




#29
Tetrahydrofuran
Concen: 98.365 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 42 Resp: 3977

Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	37.2	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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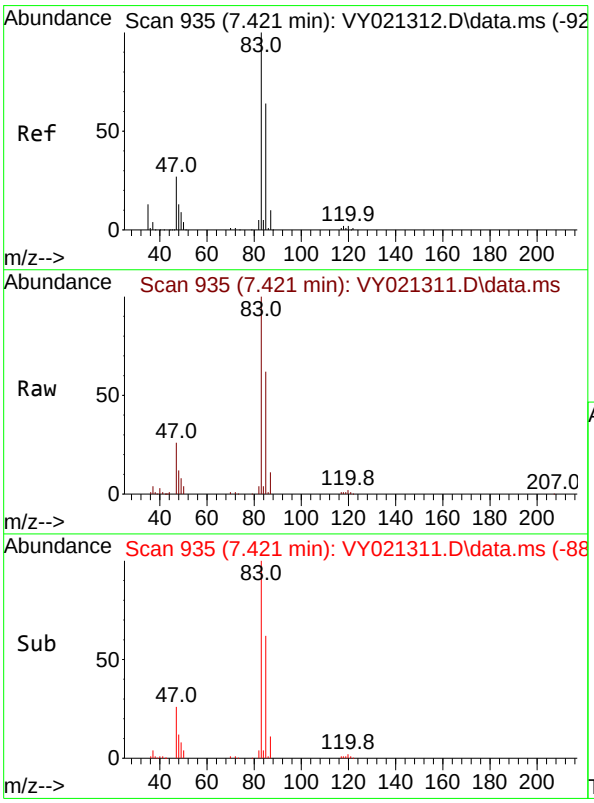
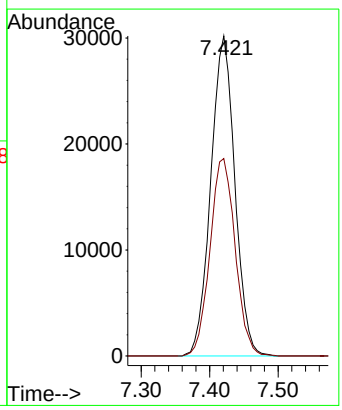
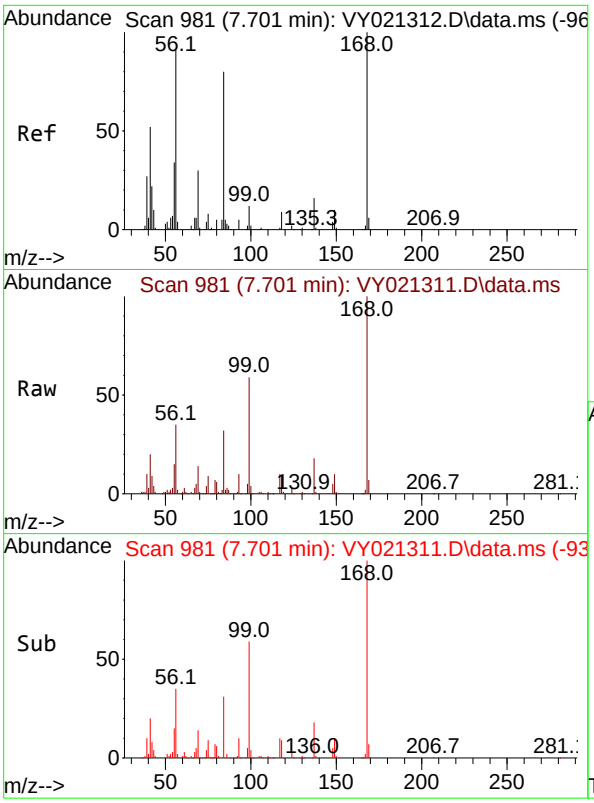


#30
Chloroform
Concen: 18.543 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 73639

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.6	77.4

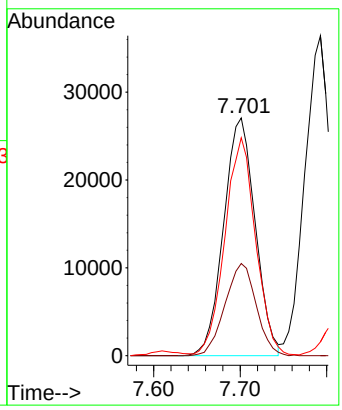




#31
Cyclohexane
Concen: 18.191 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 56 Resp: 6853

Ion	Ratio	Lower	Upper
56	100		
69	38.8	26.2	39.4
84	90.4	70.2	105.4



Instrument :
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ClientSampleId :
VSTDICC020

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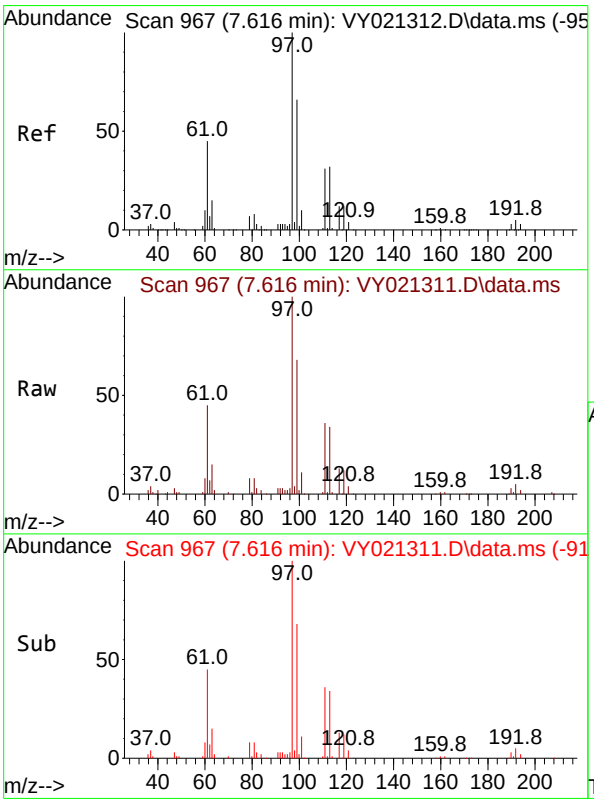
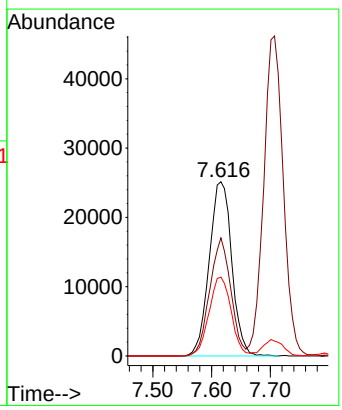
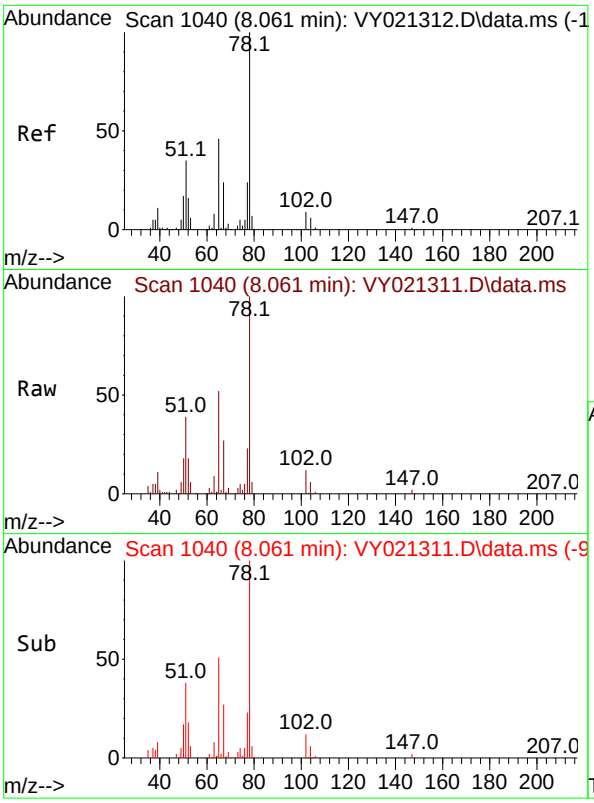


#32
1,1,1-Trichloroethane
Concen: 18.538 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 97 Resp: 67011

Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.4	78.6
61	44.5	36.2	54.2

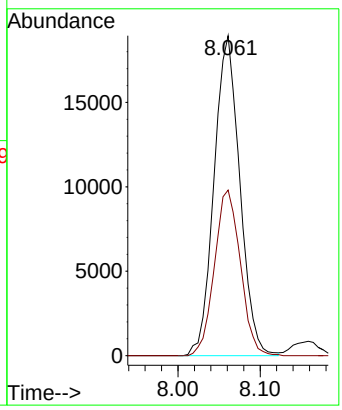




#33
1,2-Dichloroethane-d4
Concen: 19.337 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 65 Resp: 4132

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.6



Instrument :
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ClientSampleId :
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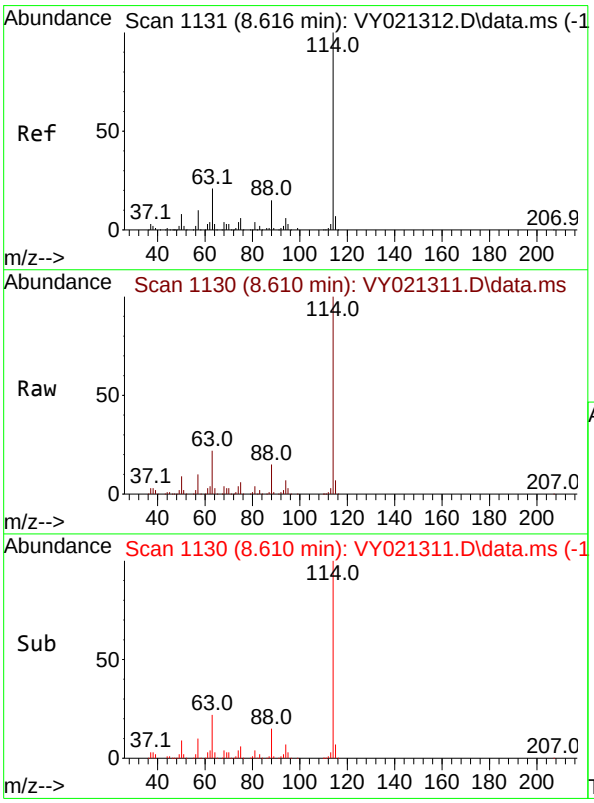
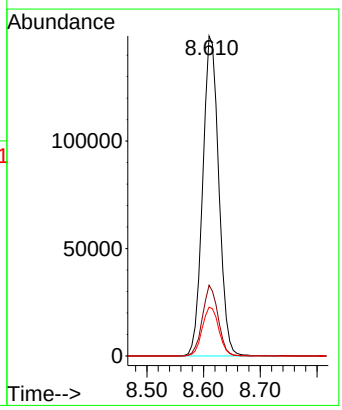
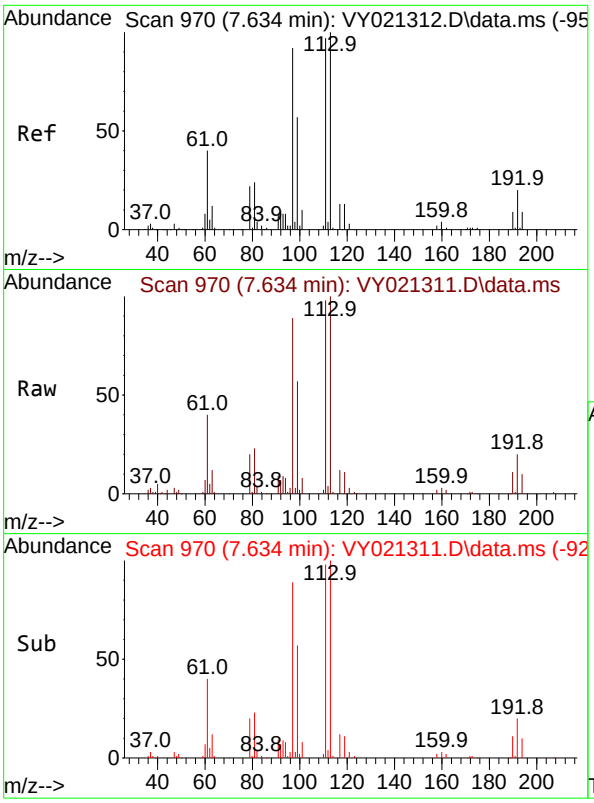


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:114 Resp: 293434

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.2
88	15.2	0.0	29.8

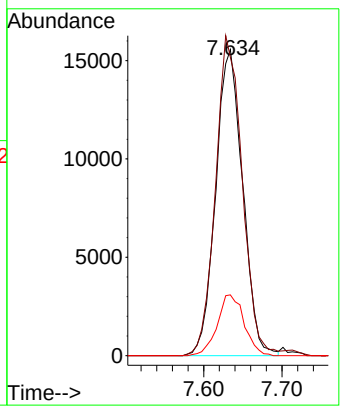




#35
Dibromofluoromethane
Concen: 19.371 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:113 Resp: 3726

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.0	121.6
192	19.8	15.8	23.8



Instrument :
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ClientSampleId :
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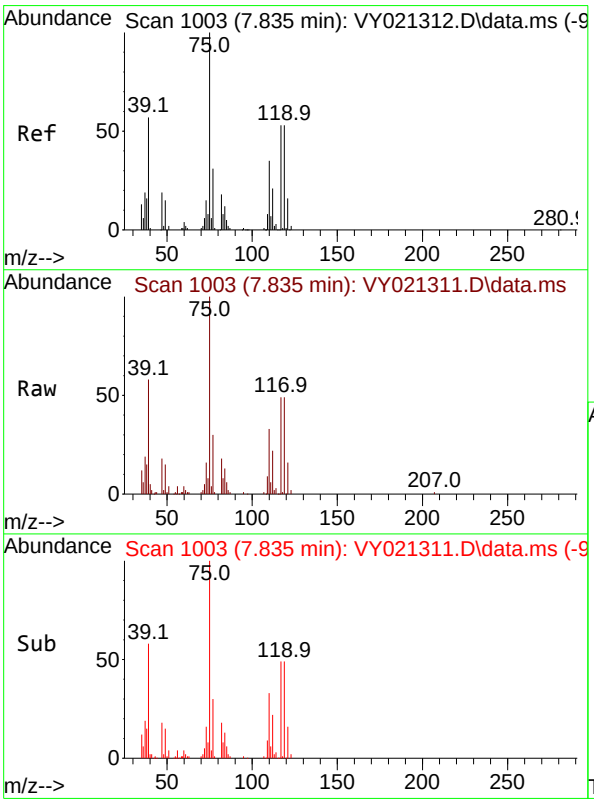
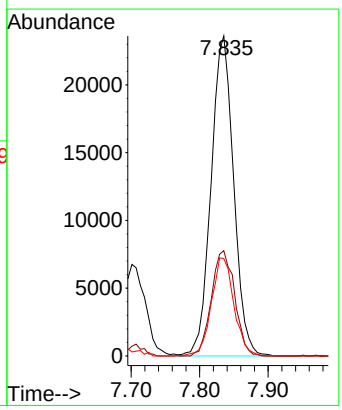
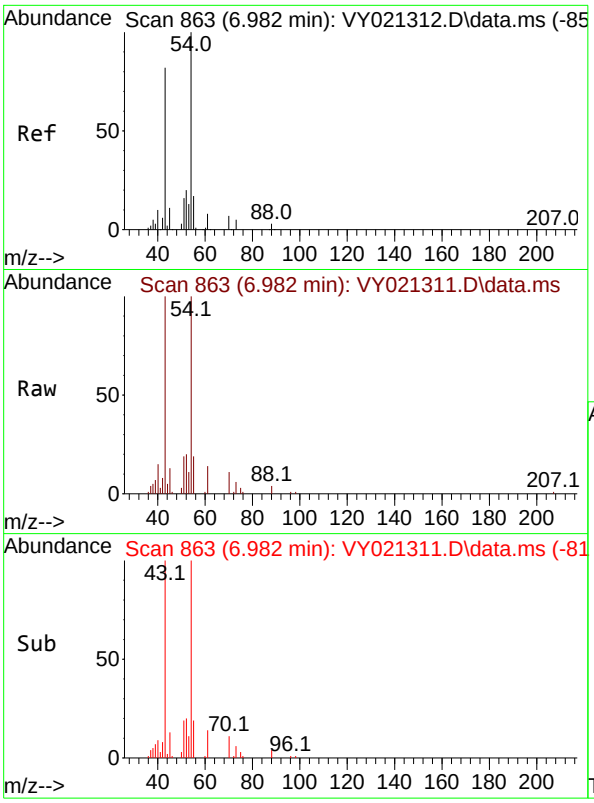


#36
1,1-Dichloropropene
Concen: 18.685 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 53995

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.7
77	30.6	24.6	36.8





#37
Ethyl Acetate
Concen: 18.914 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 2718

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.4	15.6
70	9.8	7.5	11.3

Instrument :
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ClientSampleId :
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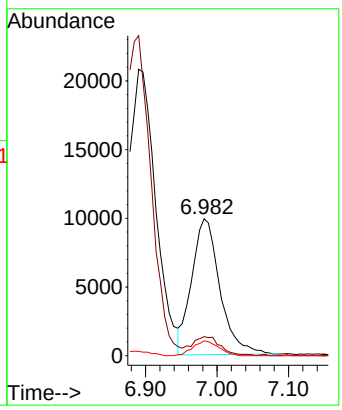
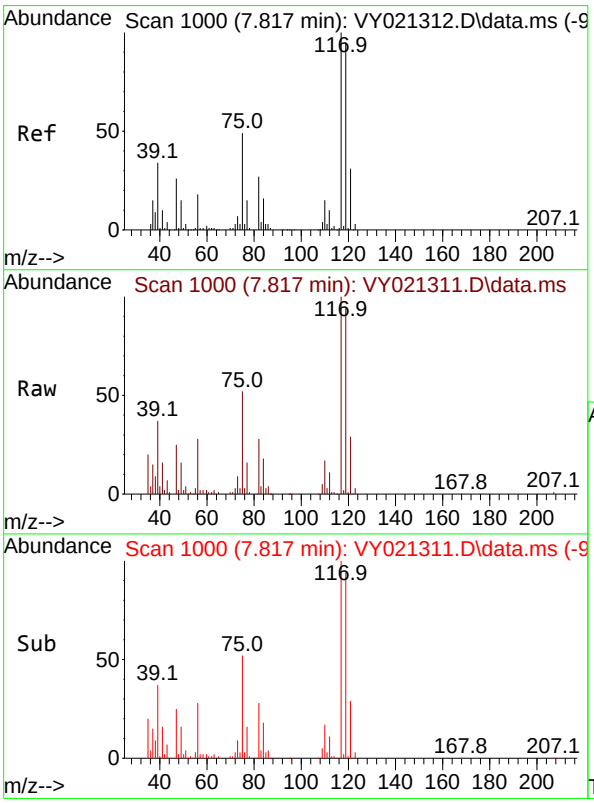
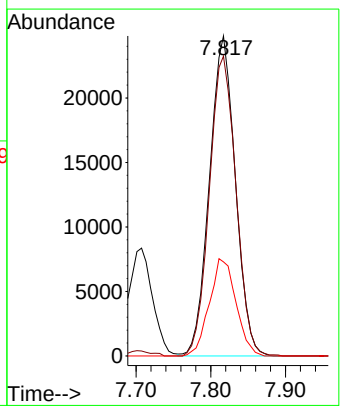


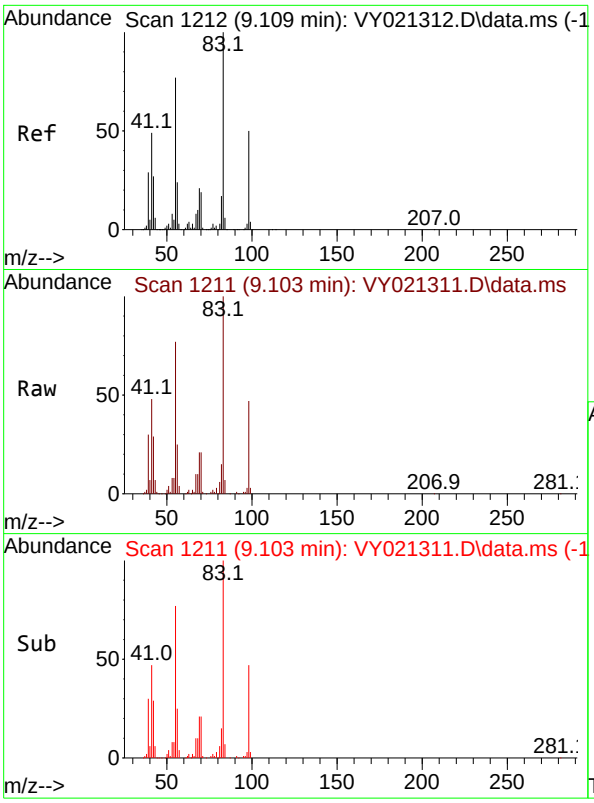


#38
Carbon Tetrachloride
Concen: 18.387 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 59733

Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.0	114.0
121	29.4	24.9	37.3

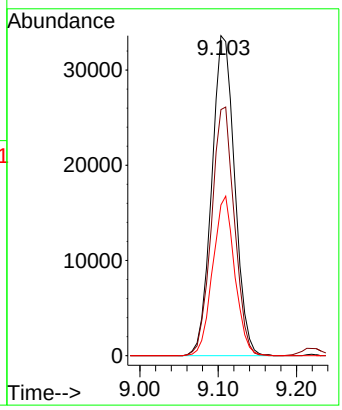




#39
Methylcyclohexane
Concen: 18.746 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 6851

Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.3	91.9
98	47.1	39.9	59.9



Instrument :
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ClientSampleId :
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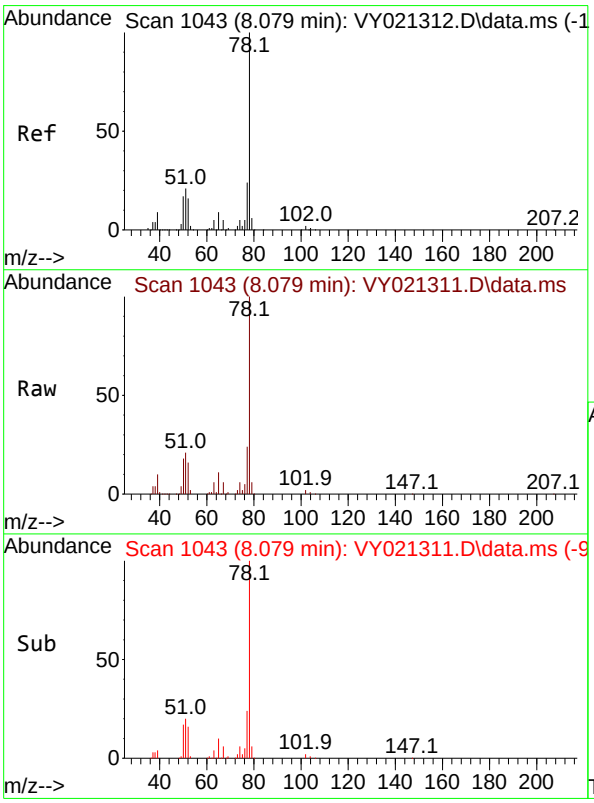
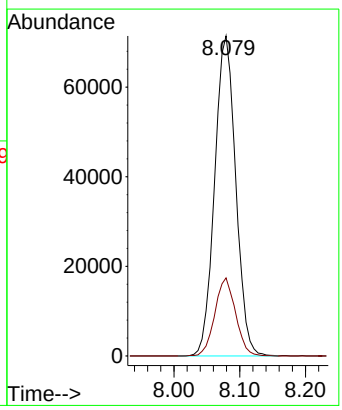
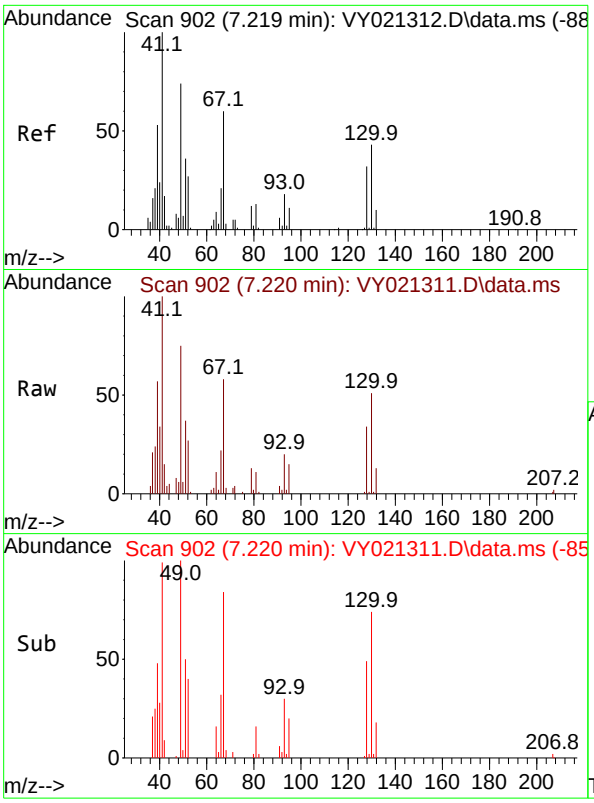


#40
Benzene
Concen: 18.676 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 78 Resp: 159536

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8

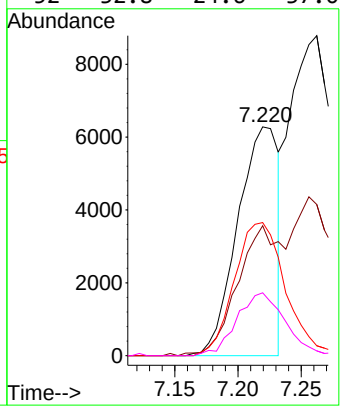




#41
Methacrylonitrile
Concen: 17.554 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 1410

Ion	Ratio	Lower	Upper
41	100		
39	63.1	42.3	63.5
67	72.9	54.8	82.2
52	32.8	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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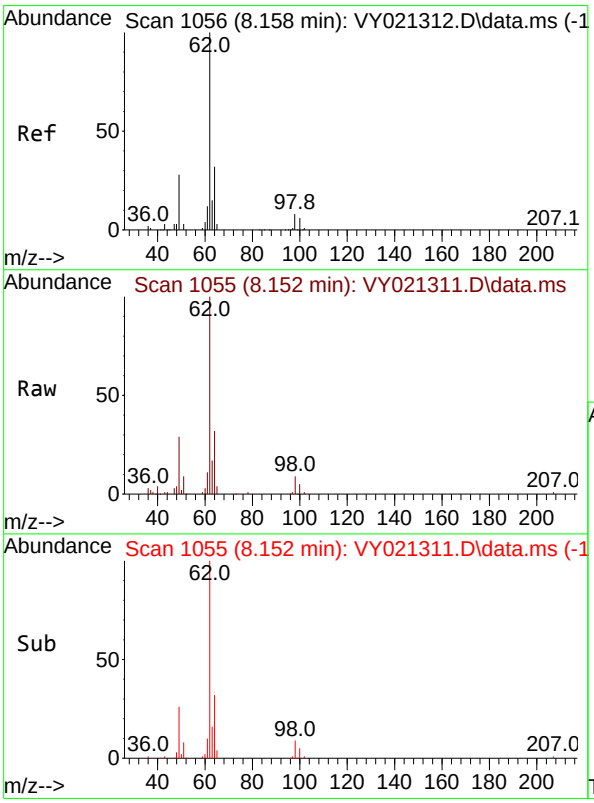
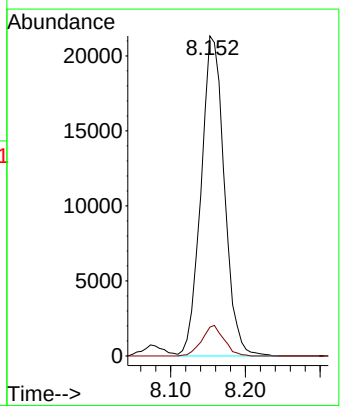
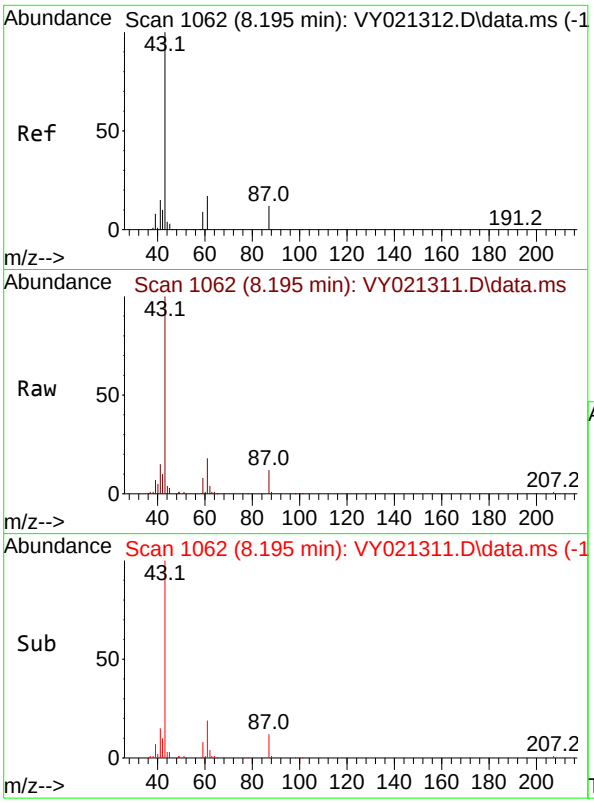


#42
1,2-Dichloroethane
Concen: 19.043 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 46152

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6

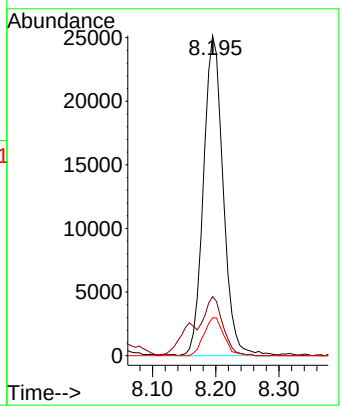




#43
Isopropyl Acetate
Concen: 19.583 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 5448

Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.0	22.6
87	12.1	10.0	15.0



Instrument :
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ClientSampleId :
VSTDICC020

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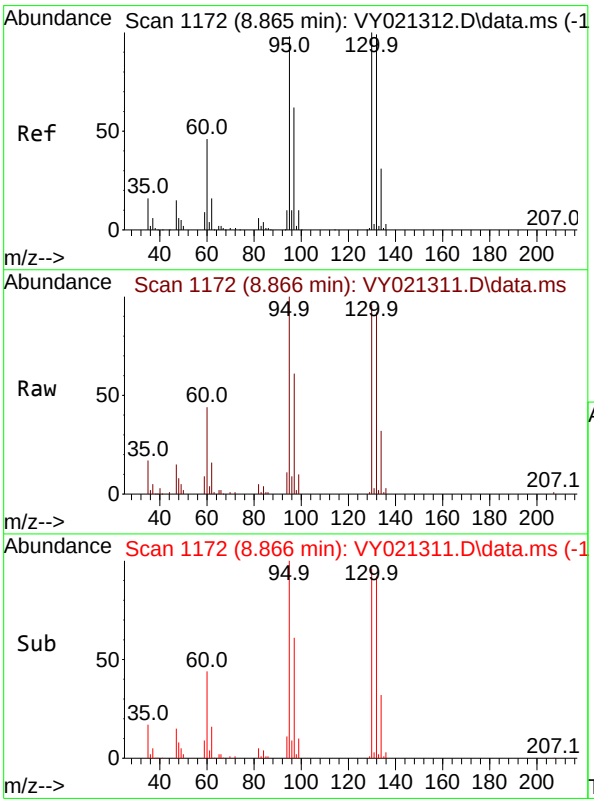
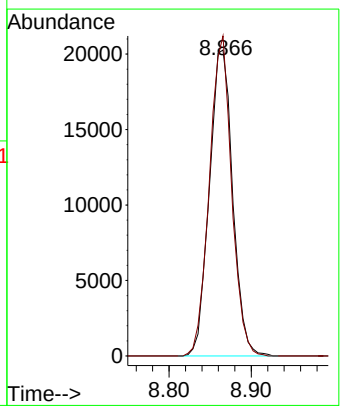
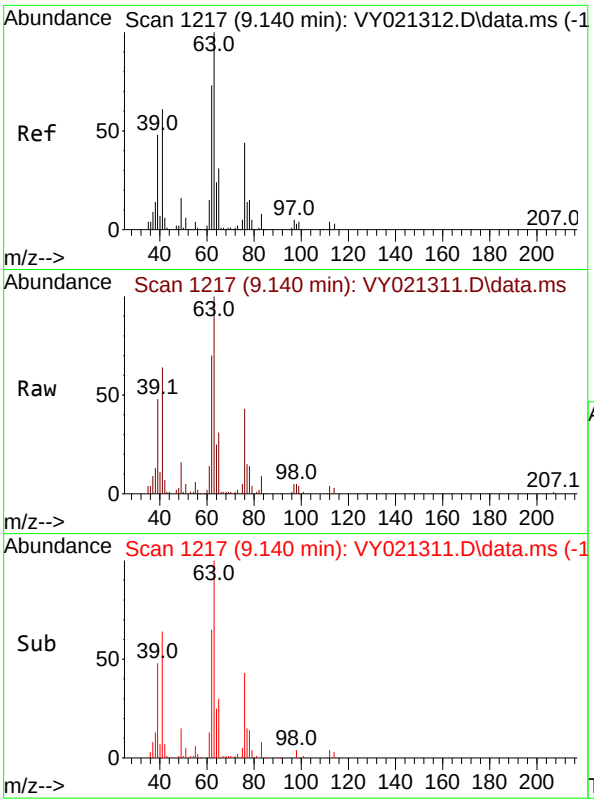


#44
Trichloroethene
Concen: 18.706 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:130 Resp: 40005

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	196.0

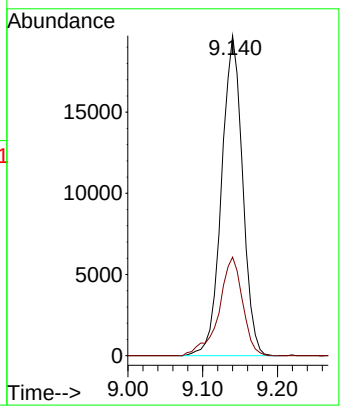




#45
1,2-Dichloropropane
Concen: 18.782 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 3861

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8



Instrument :
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ClientSampleId :
VSTDICC020

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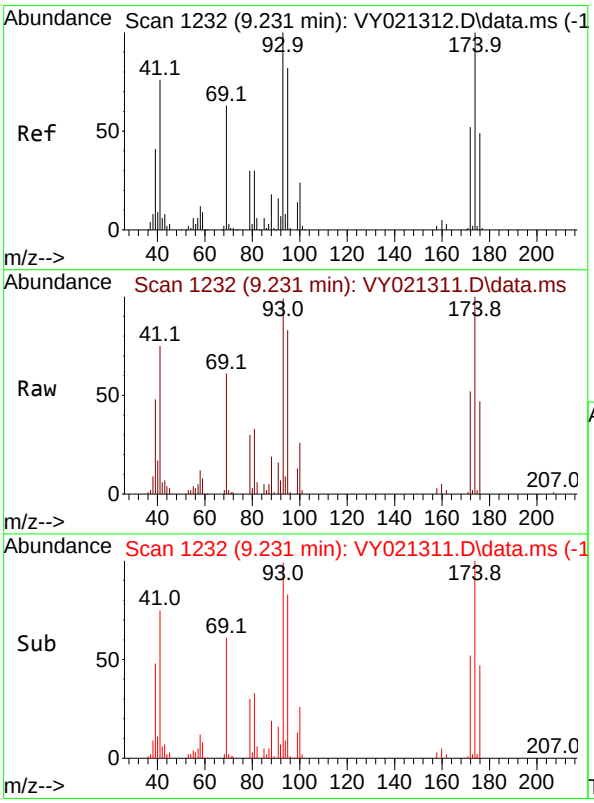
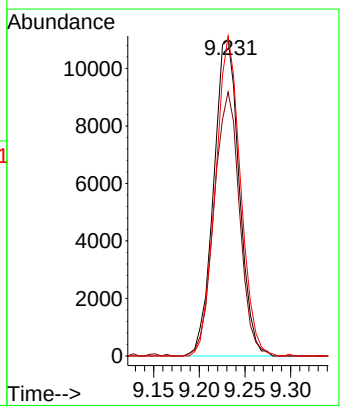
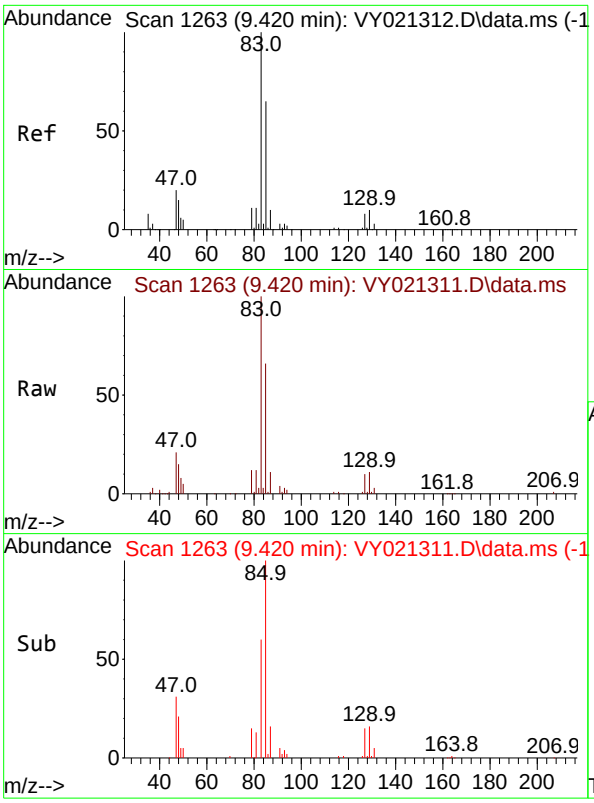


#46
Dibromomethane
Concen: 19.063 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 93 Resp: 21421

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	98.7	78.2	117.2

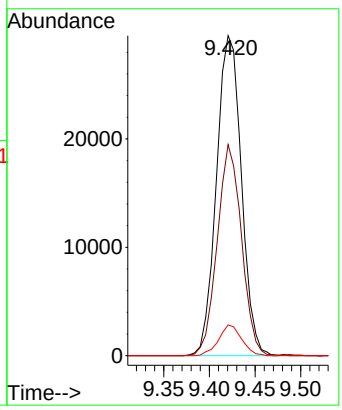




#47
Bromodichloromethane
Concen: 18.701 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 5603

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.8
127	9.6	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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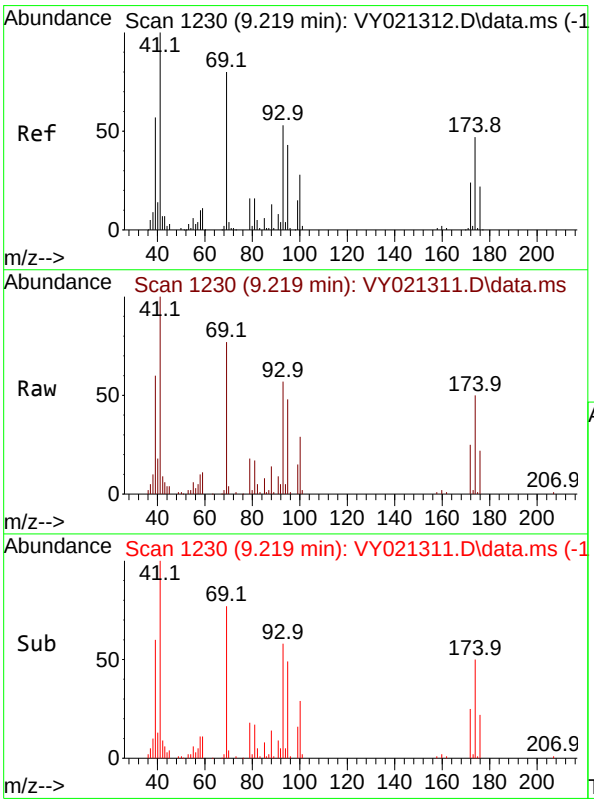
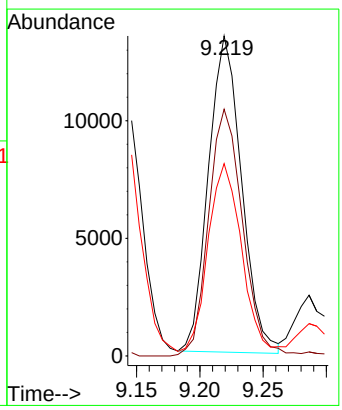
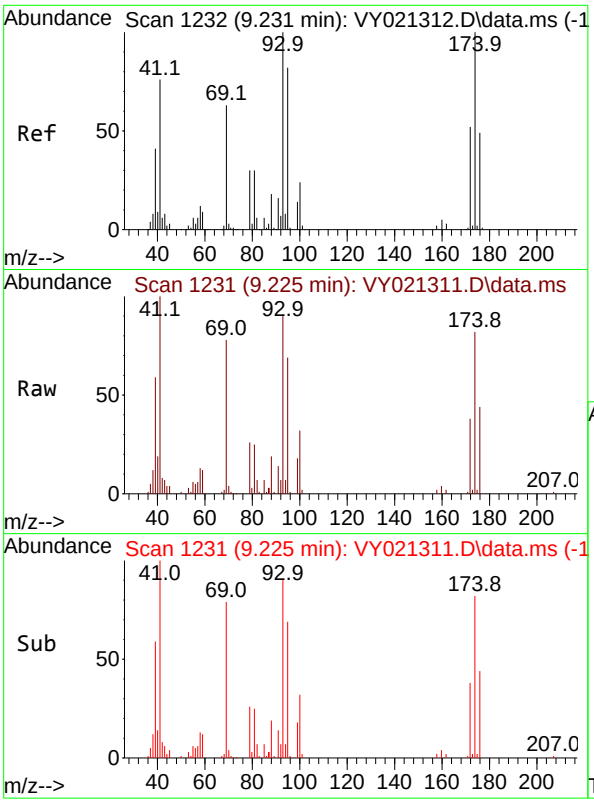


#48
Methyl methacrylate
Concen: 18.801 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 24461

Ion	Ratio	Lower	Upper
41	100		
69	80.2	63.3	94.9
39	60.2	45.0	67.6

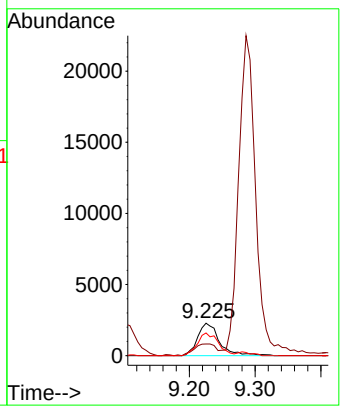




#49
1,4-Dioxane
Concen: 424.825 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 88 Resp: 530

Ion	Ratio	Lower	Upper
88	100		
43	35.4	34.8	52.2
58	66.8	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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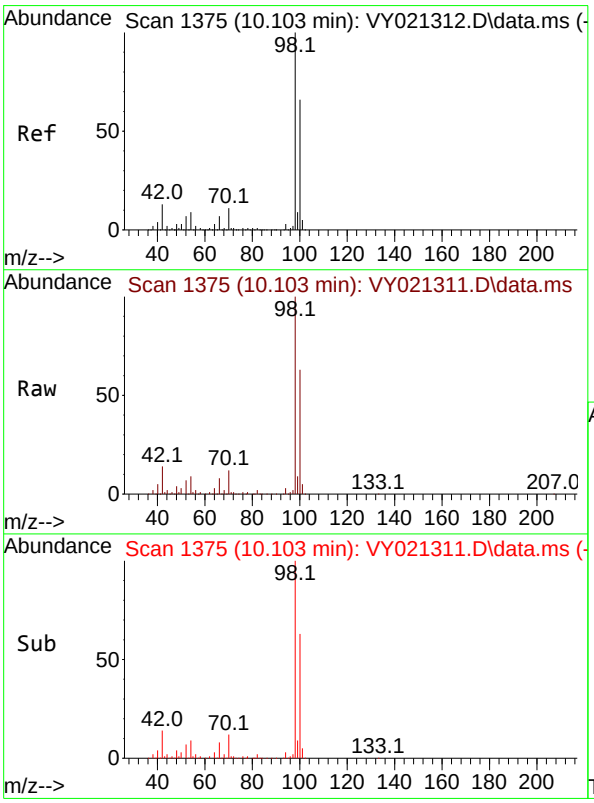
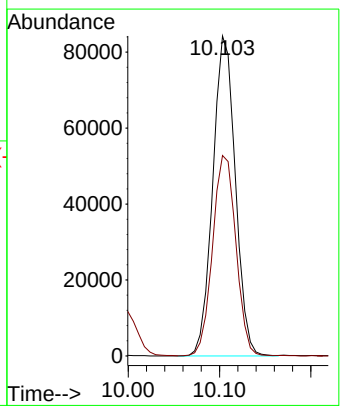
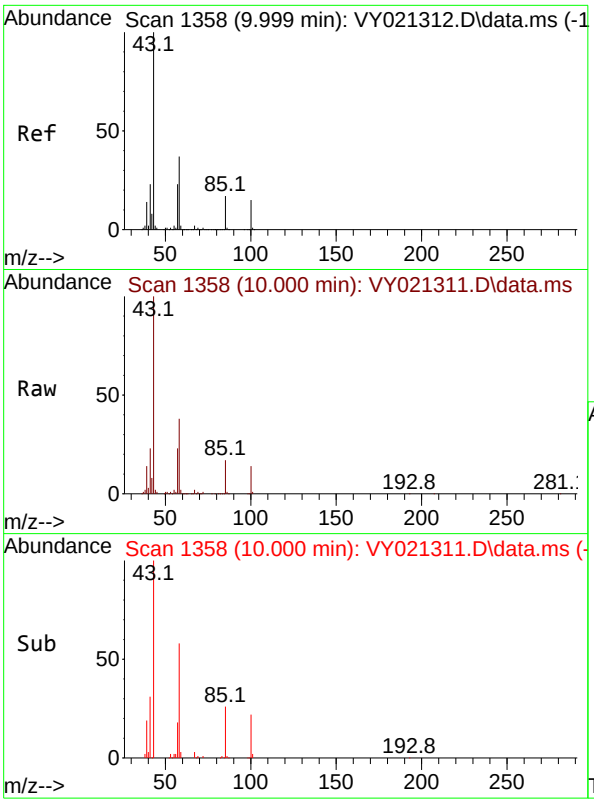


#50
Toluene-d8
Concen: 19.423 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 98 Resp: 144409

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6

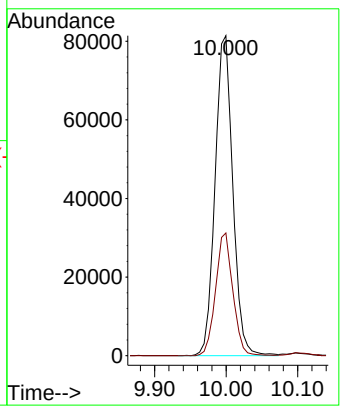




#51
4-Methyl-2-Pentanone
Concen: 98.430 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 14018

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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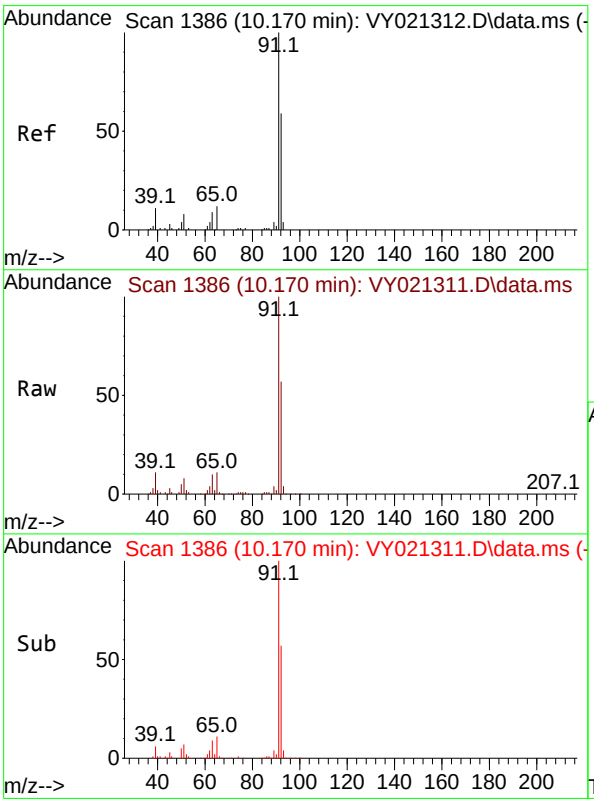
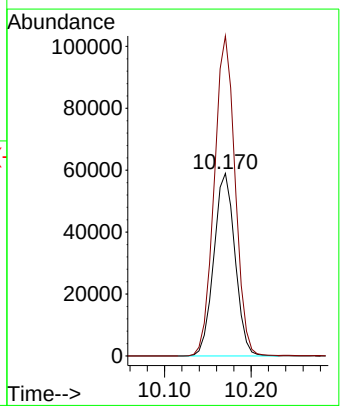
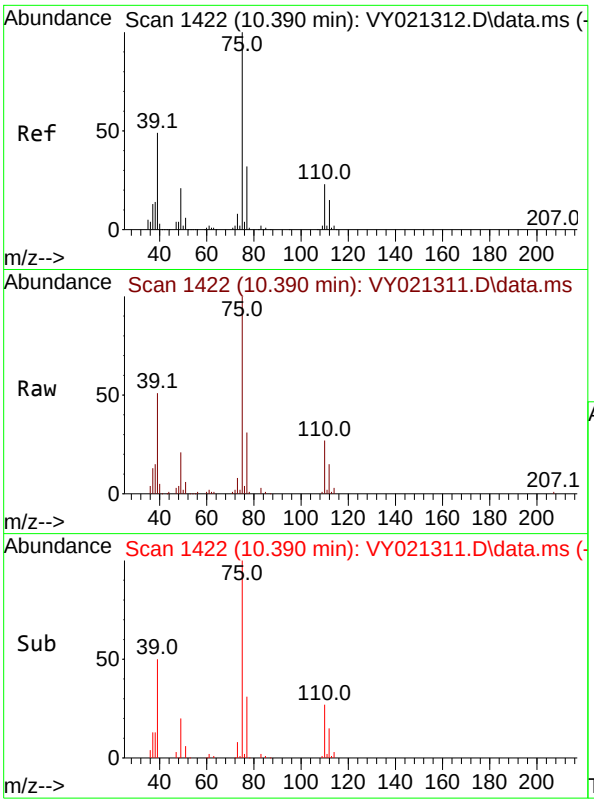


#52
Toluene
Concen: 18.854 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 92 Resp: 100050

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.8	206.8

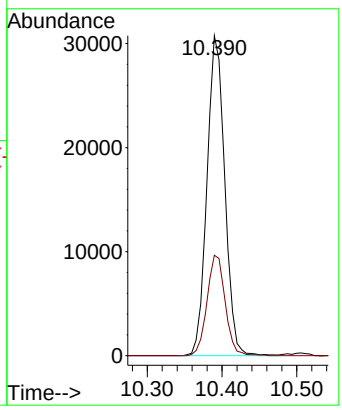




#53
t-1,3-Dichloropropene
Concen: 18.563 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 5095

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9



Instrument :
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ClientSampleId :
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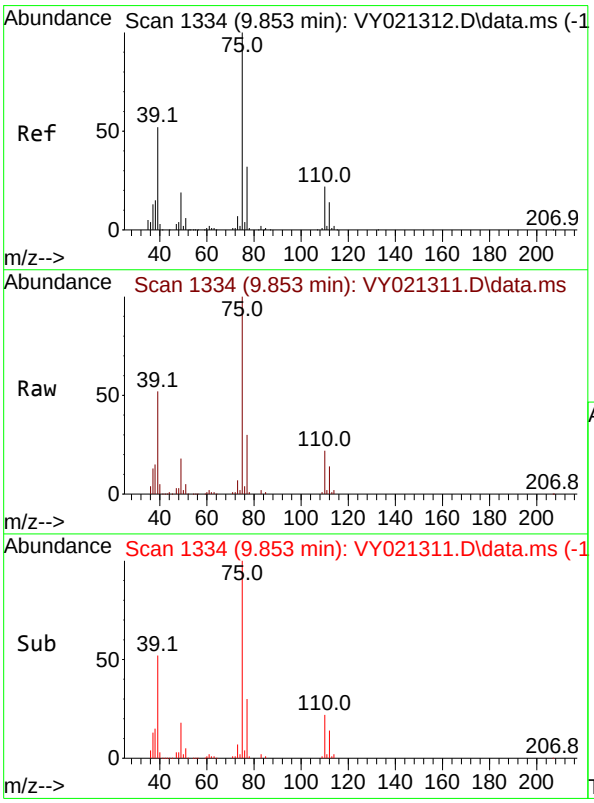
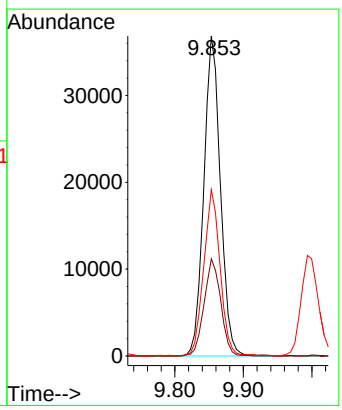
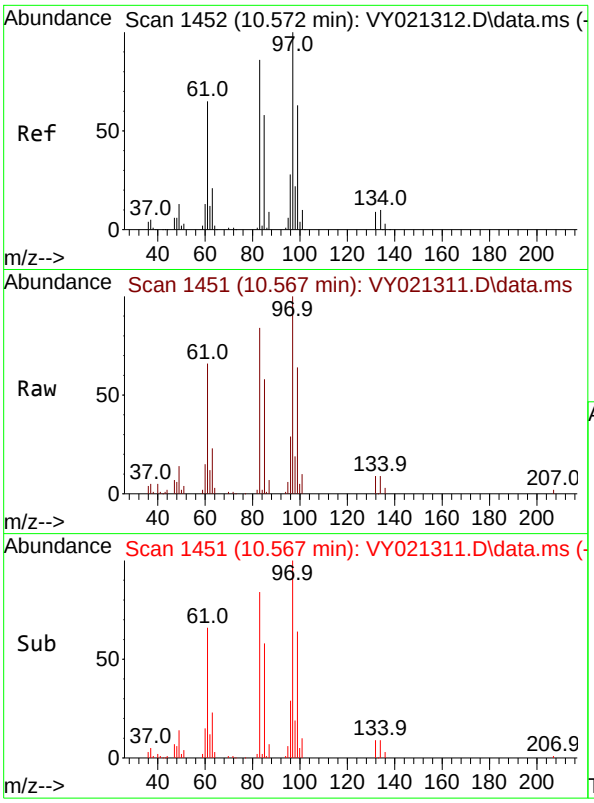


#54
cis-1,3-Dichloropropene
Concen: 19.122 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 61967

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.7	38.5
39	52.0	41.8	62.6

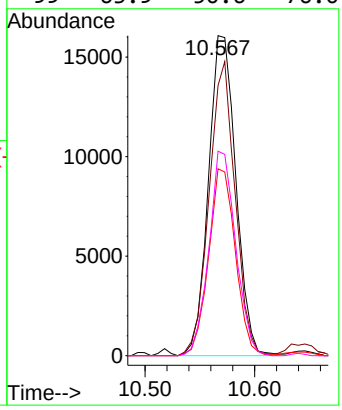




#55
1,1,2-Trichloroethane
Concen: 19.088 ug/l
RT: 10.567 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 97 Resp: 2794

Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.7	103.1
85	58.4	46.3	69.5
99	63.9	50.6	76.0



Instrument :
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ClientSampleId :
VSTDICC020

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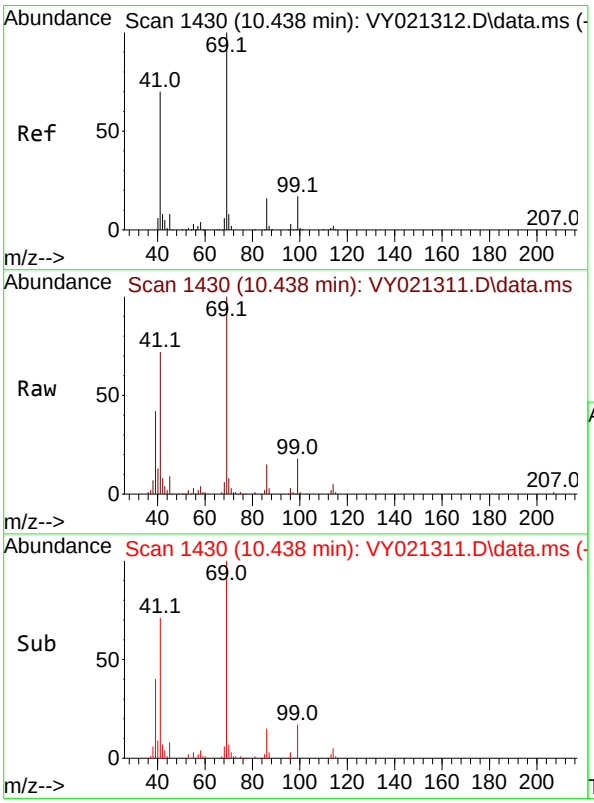
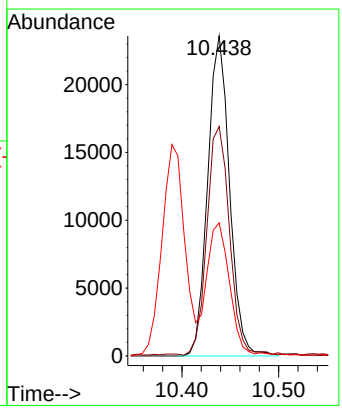
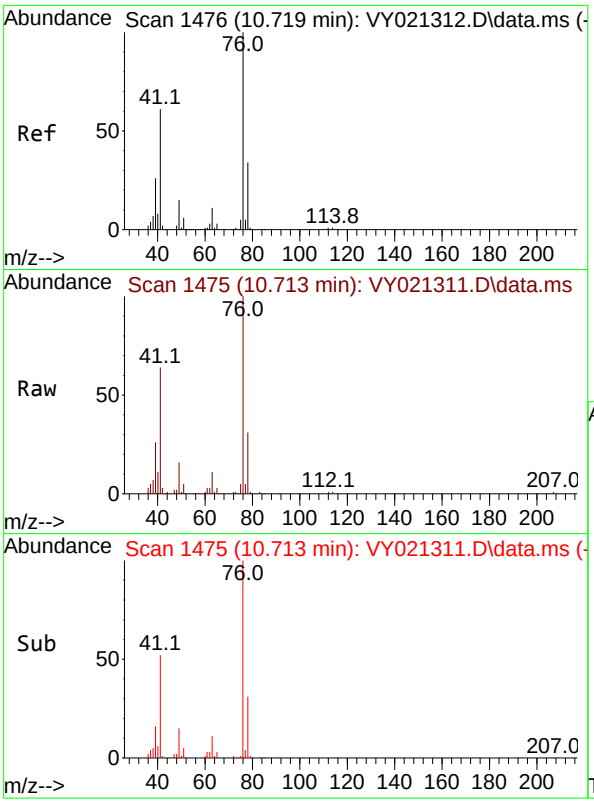


#56
Ethyl methacrylate
Concen: 18.291 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 69 Resp: 36997

Ion	Ratio	Lower	Upper
69	100		
41	74.3	56.2	84.4
39	43.9	32.7	49.1

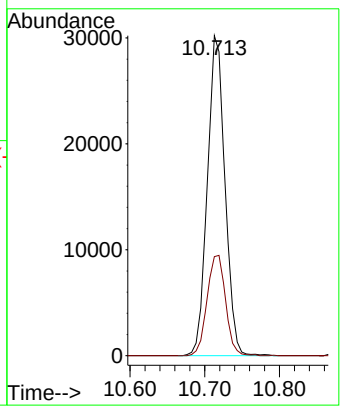




#57
1,3-Dichloropropane
Concen: 19.270 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 76 Resp: 4949

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.9	38.9



Instrument :
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ClientSampleId :
VSTDICC020

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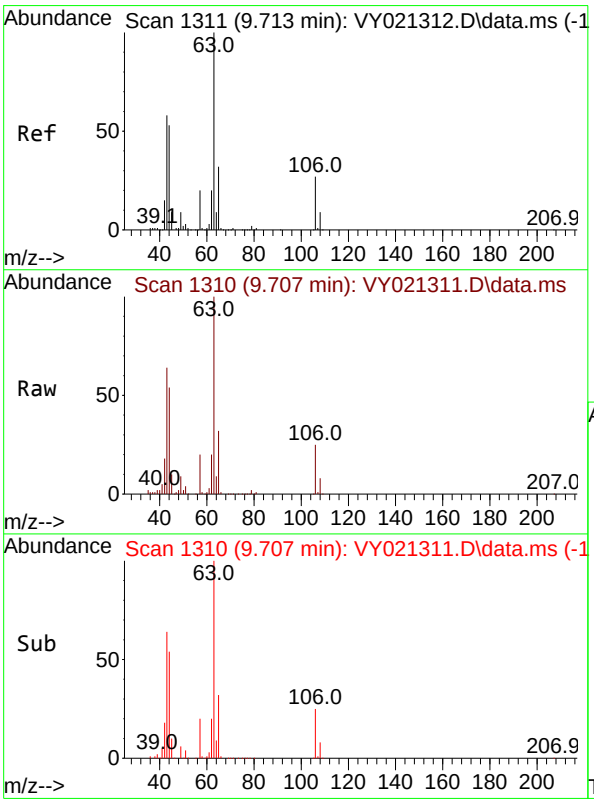
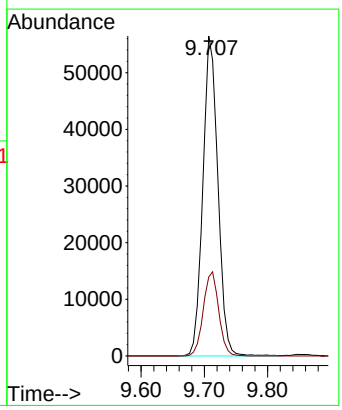
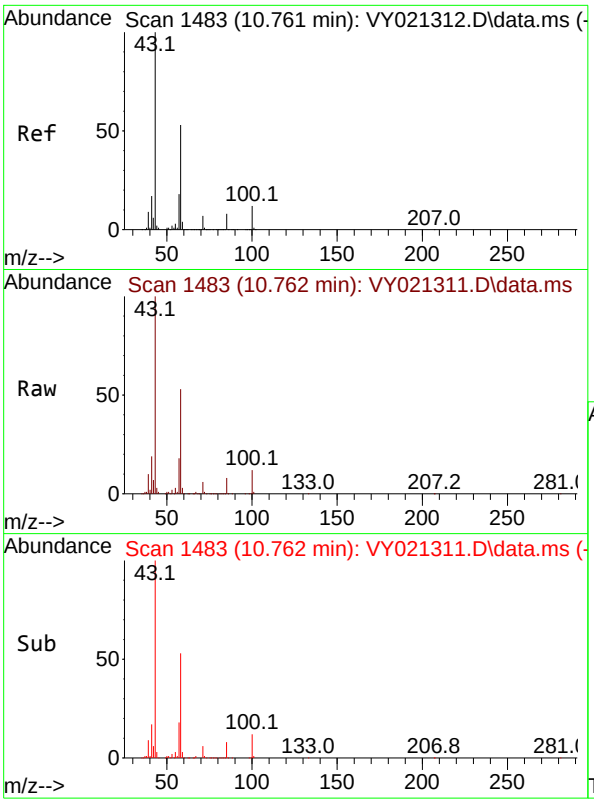


#58
2-Chloroethyl Vinyl ether
Concen: 96.179 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 93377

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5





#59
2-Hexanone
Concen: 97.163 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 9088

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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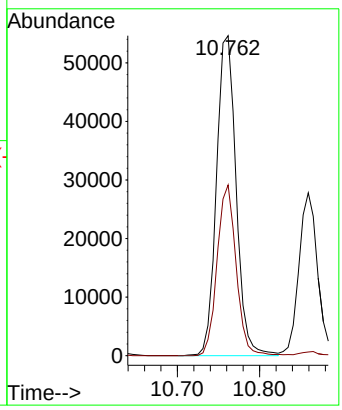
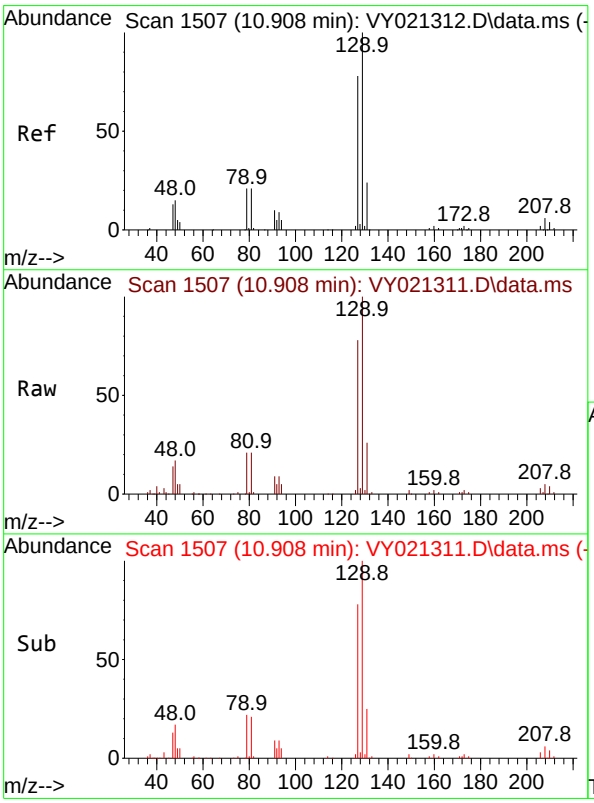
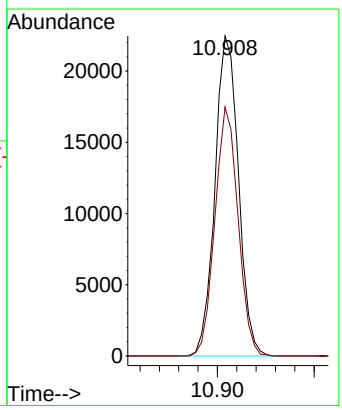


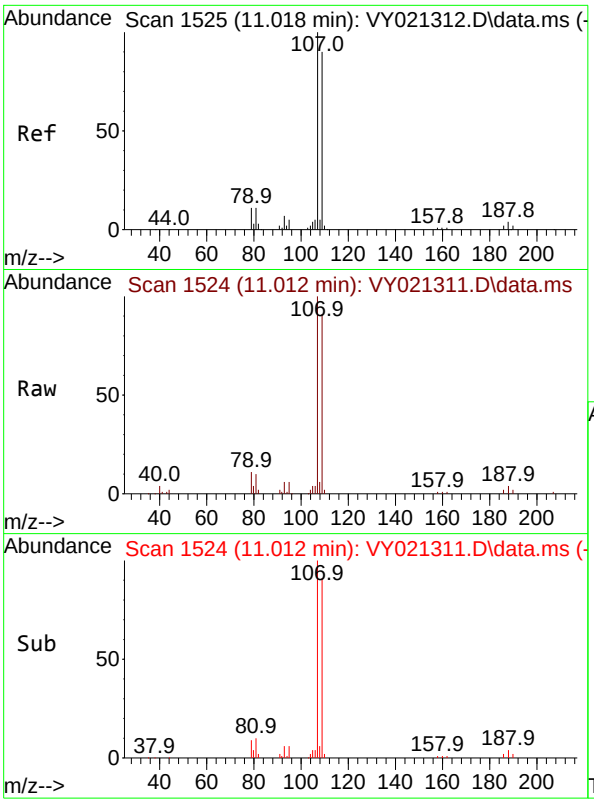


#60
Dibromochloromethane
Concen: 18.964 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:129 Resp: 37808

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.8	116.4

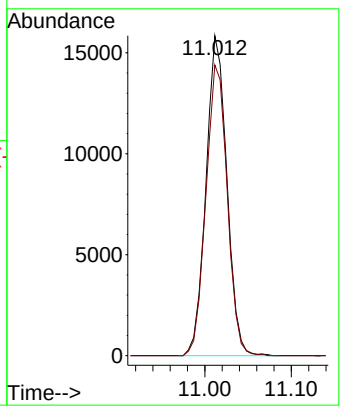




#61
1,2-Dibromoethane
Concen: 19.135 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:107 Resp: 2651

Ion	Ratio	Lower	Upper
107	100		
109	92.9	73.8	110.8



Instrument :
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ClientSampleId :
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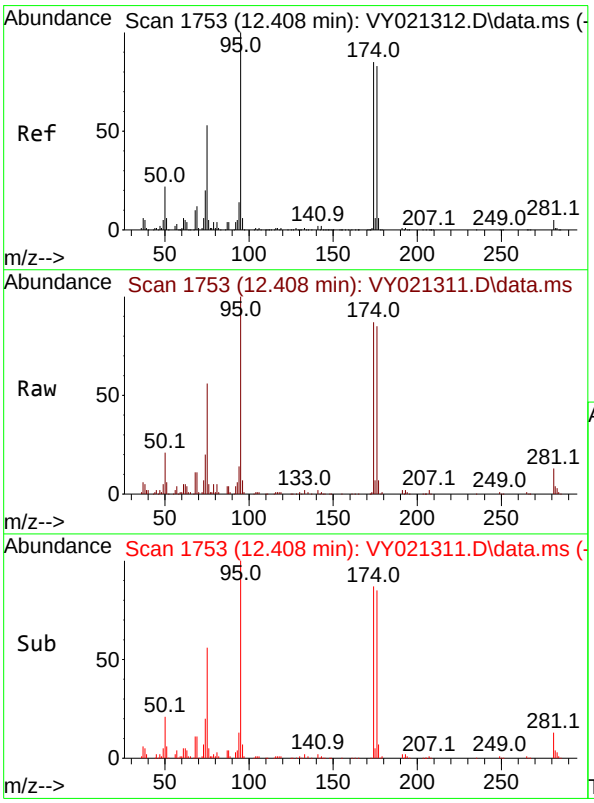
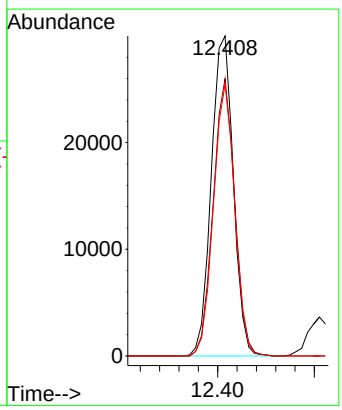
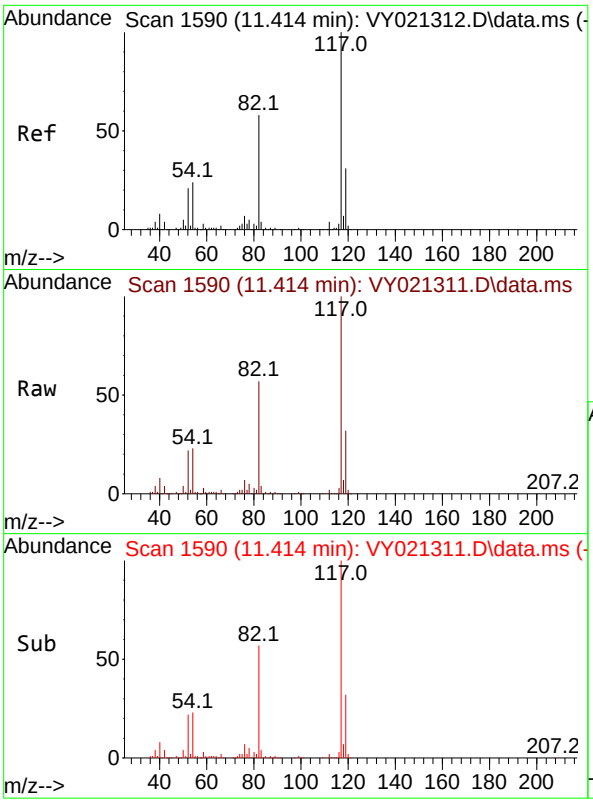


#62
4-Bromofluorobenzene
Concen: 18.950 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 95 Resp: 47417

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	168.0
176	82.0	0.0	162.6

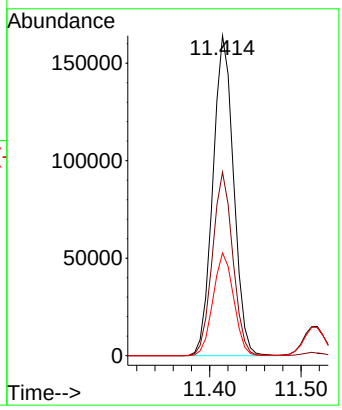




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 25889

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.2	69.4
119	32.1	24.9	37.3



Instrument :
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ClientSampleId :
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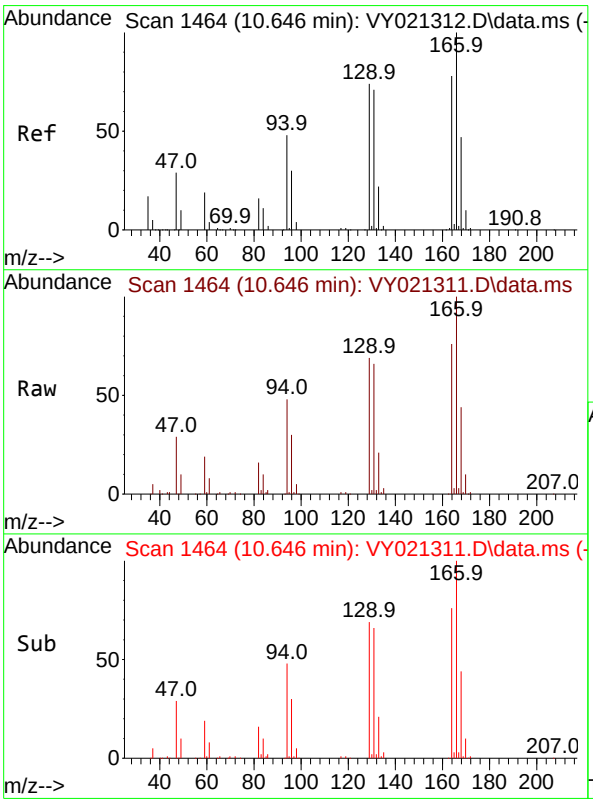
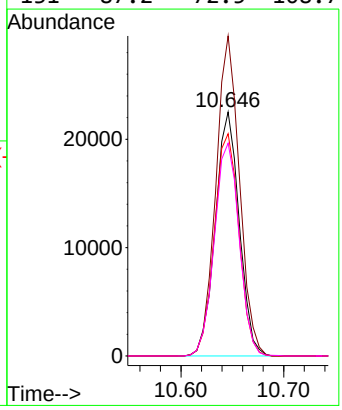
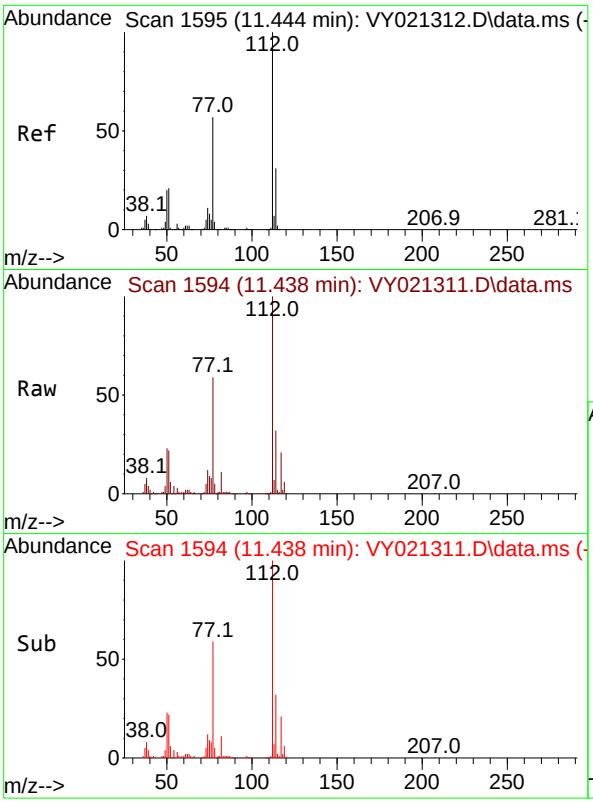


#64
Tetrachloroethene
Concen: 18.595 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:164 Resp: 36387

Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.9	152.9
129	91.1	75.5	113.3
131	87.2	72.5	108.7

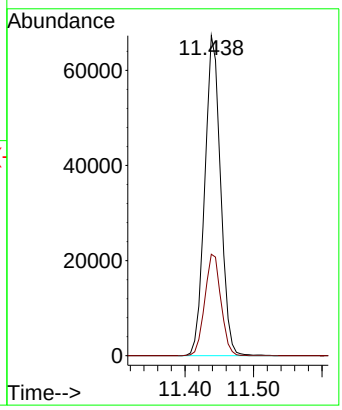




#65
Chlorobenzene
Concen: 18.519 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:112 Resp: 10762

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.6



Instrument :
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ClientSampleId :
VSTDICC020

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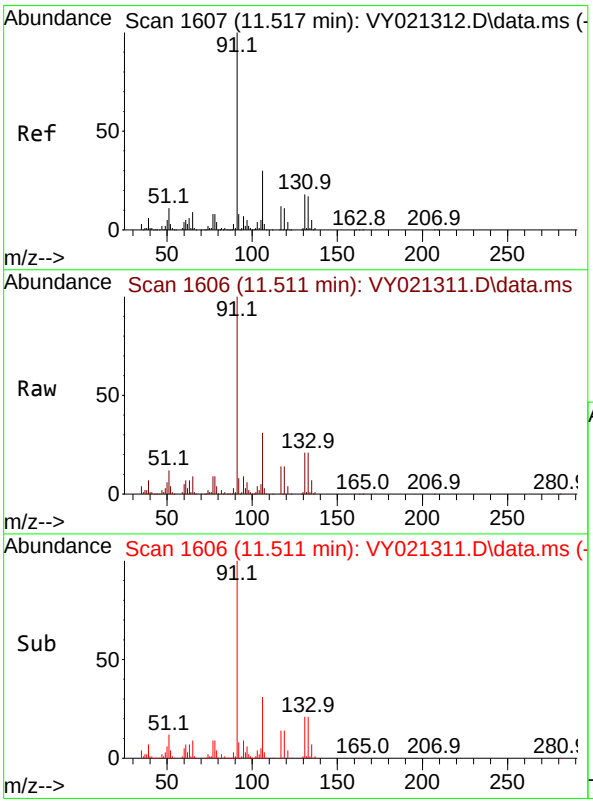
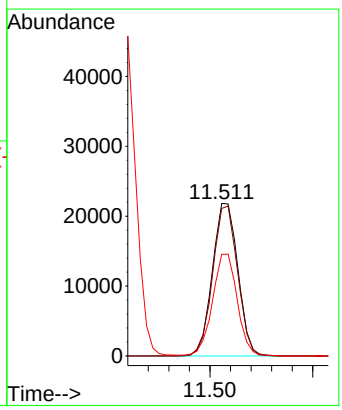
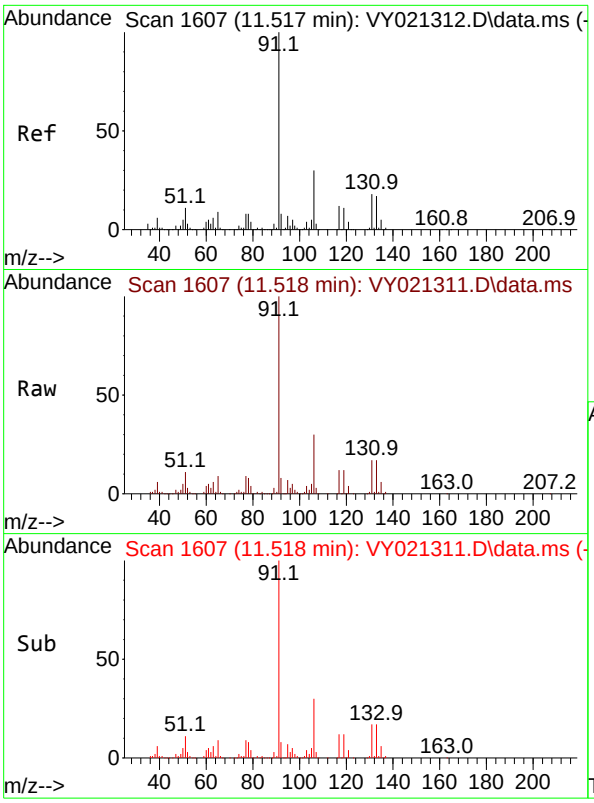


#66
1,1,1,2-Tetrachloroethane
Concen: 18.422 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:131 Resp: 37487

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.9	143.6
119	65.1	31.7	95.1

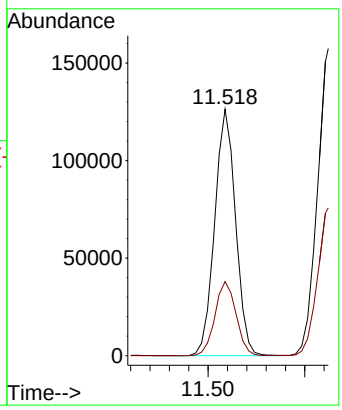




#67
Ethyl Benzene
Concen: 18.366 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 18905

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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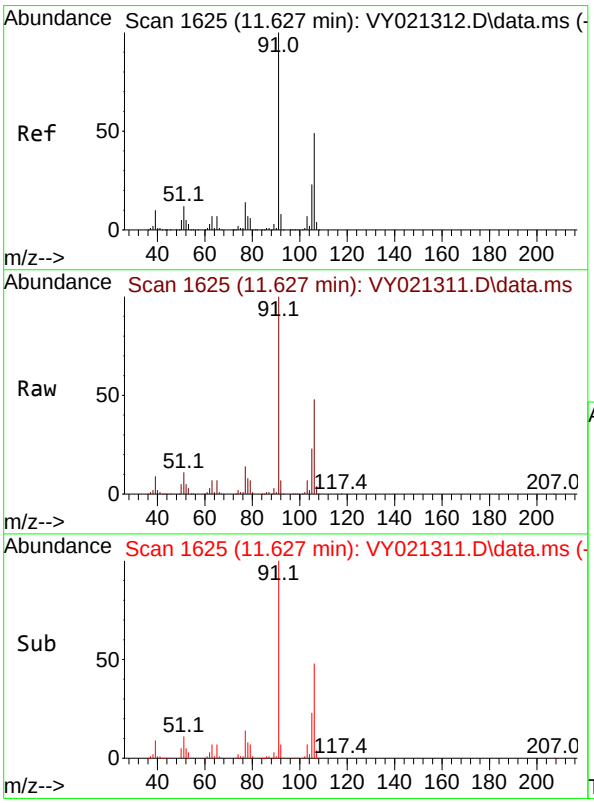
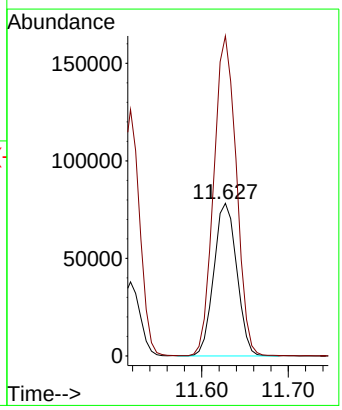
Supervised By :Mahesh Dadoda 02/26/2025

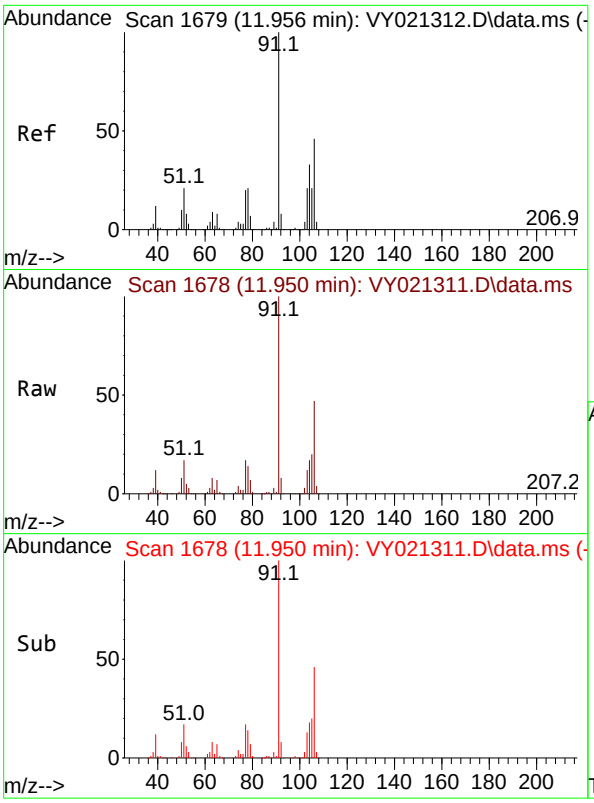


#68
m/p-Xylenes
Concen: 37.210 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:106 Resp: 144073

Ion	Ratio	Lower	Upper
106	100		
91	205.9	163.9	245.9





#69
o-Xylene
Concen: 18.488 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:106 Resp: 6706

Ion	Ratio	Lower	Upper
106	100		
91	216.5	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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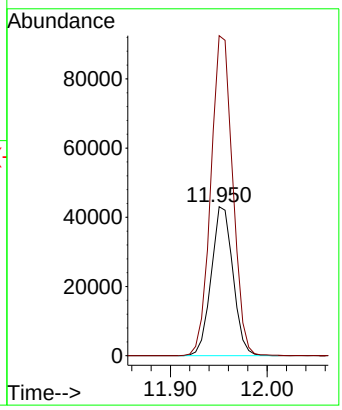
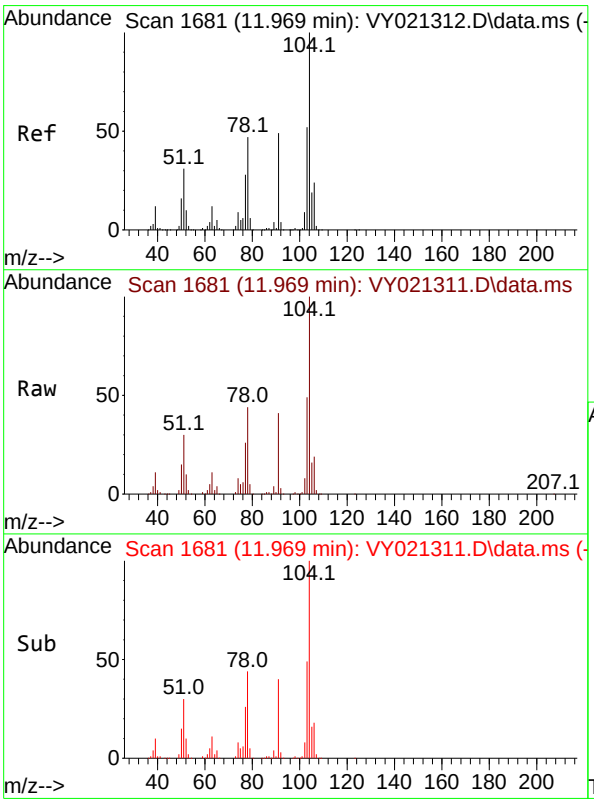
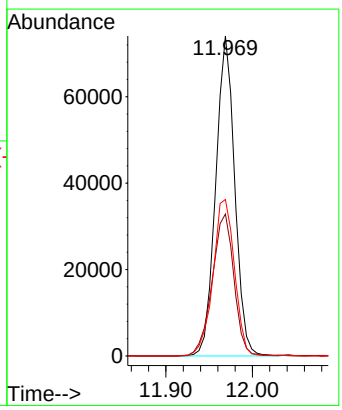


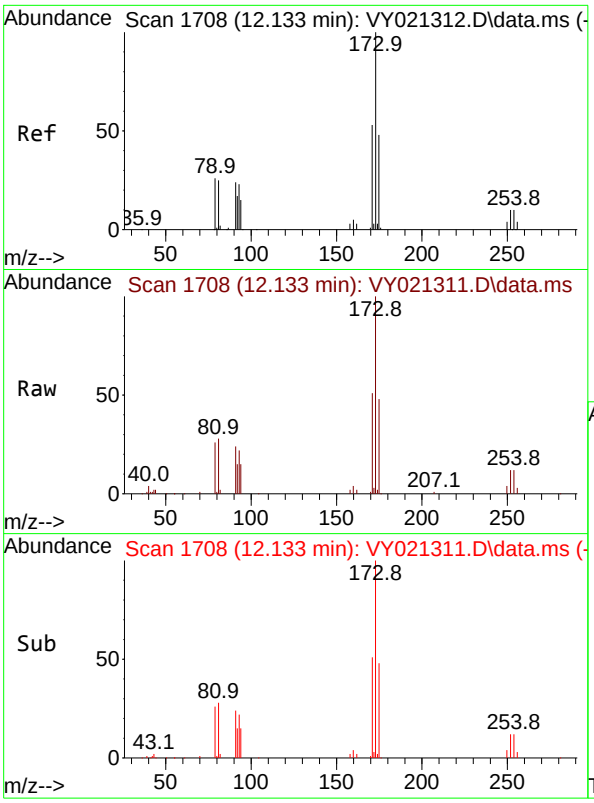


#70
Styrene
Concen: 18.729 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:104 Resp: 113033

Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.3	61.9
103	55.5	43.9	65.9

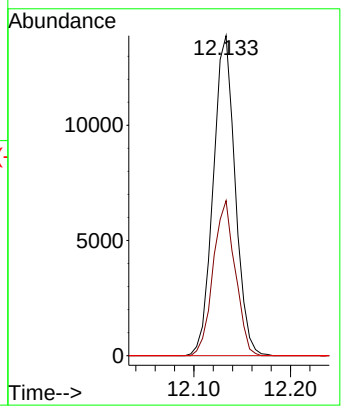




#71
Bromoform
Concen: 18.800 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:173 Resp: 2188

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.0	0.1	0.1



Instrument :
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ClientSampleId :
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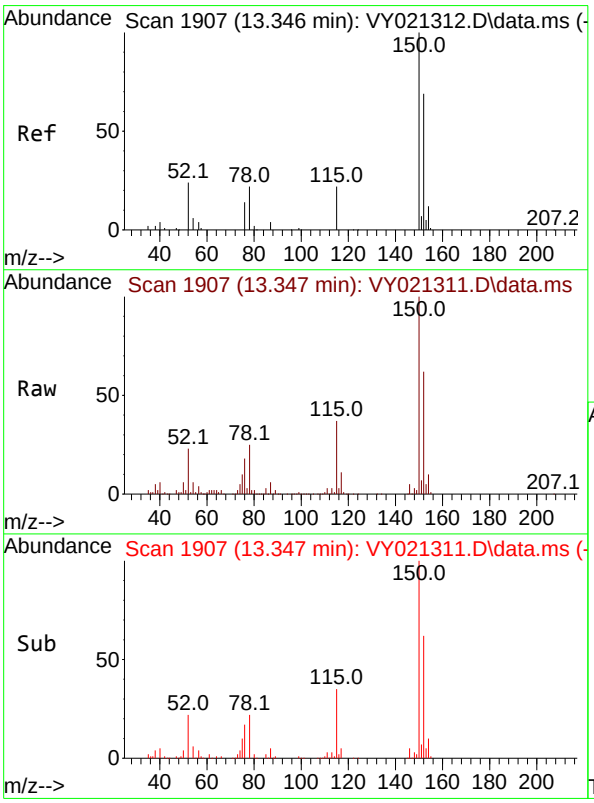
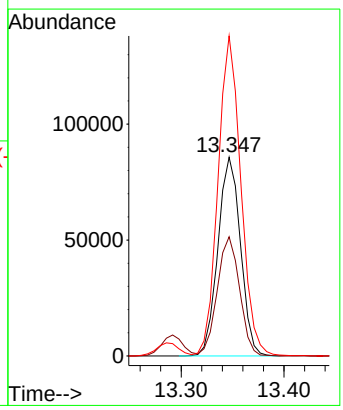
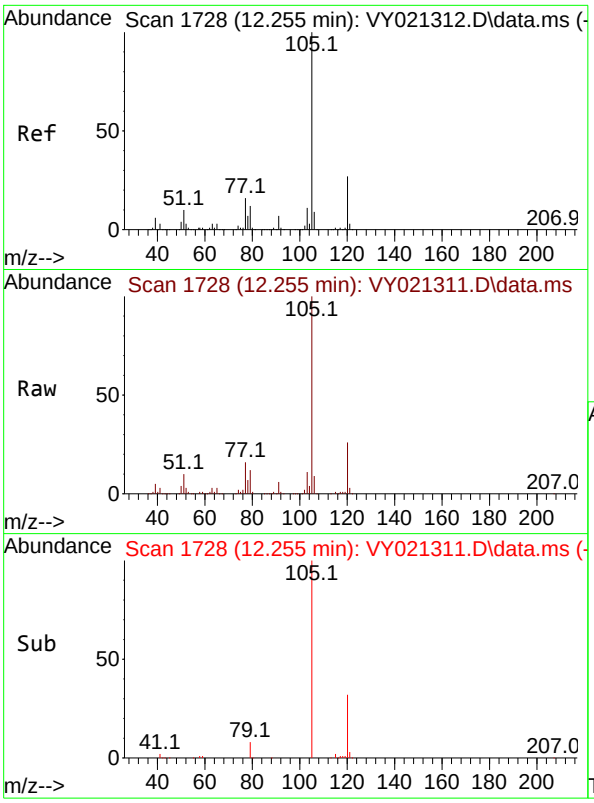


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:152 Resp: 130546

Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.3	88.0
150	163.4	0.0	347.4

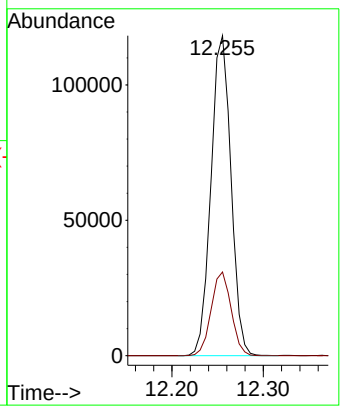




#73
Isopropylbenzene
Concen: 18.288 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 17948

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.3	39.8



Instrument :
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ClientSampleId :
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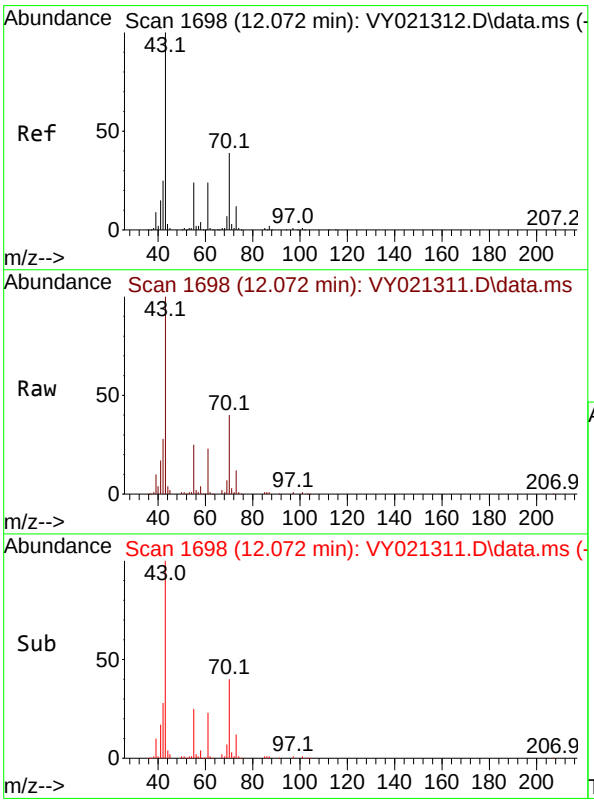
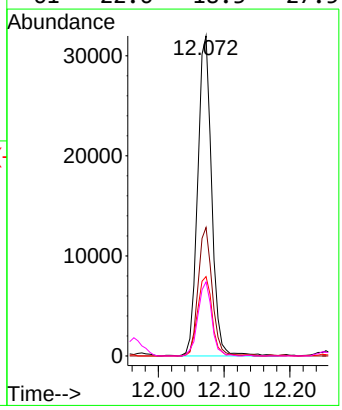
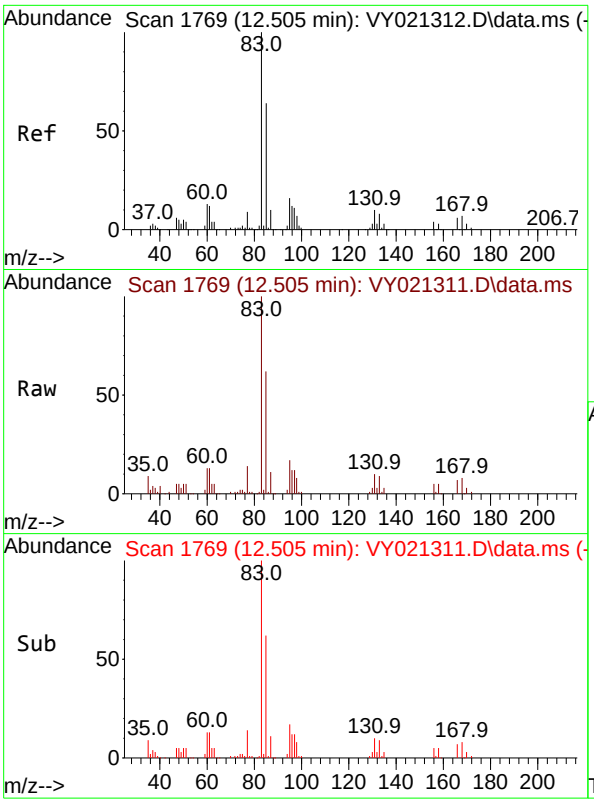


#74
N-amyl acetate
Concen: 18.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 47224

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.2	48.2
55	25.6	19.6	29.4
61	22.6	18.3	27.5

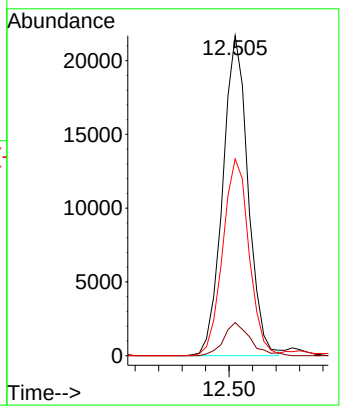




#75
1,1,2,2-Tetrachloroethane
Concen: 18.717 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 3241

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	63.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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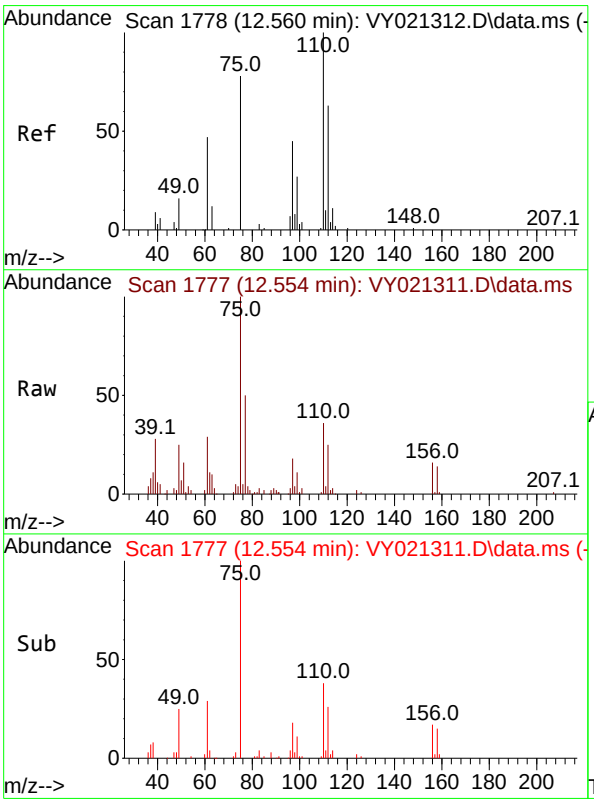
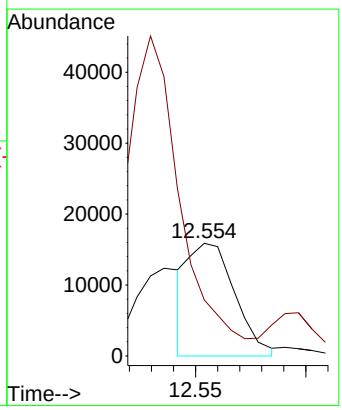
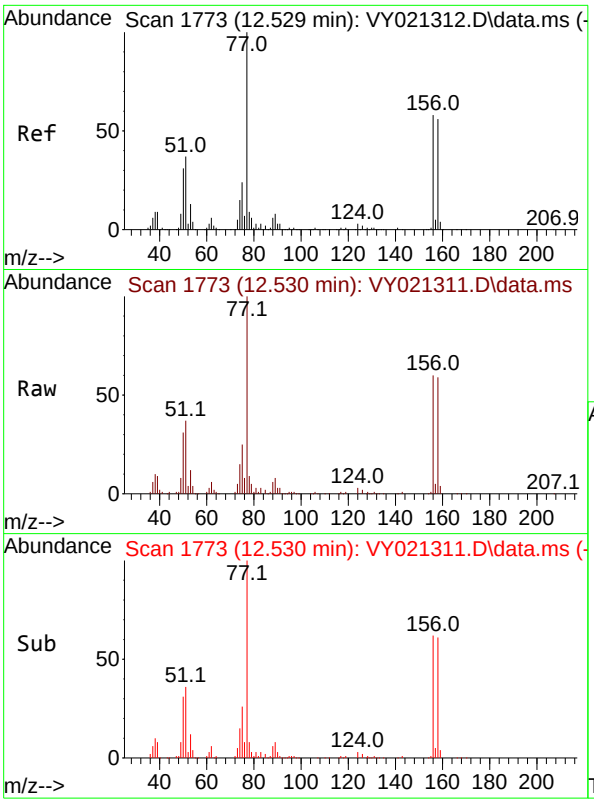


#76
1,2,3-Trichloropropane
Concen: 17.801 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 23402

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

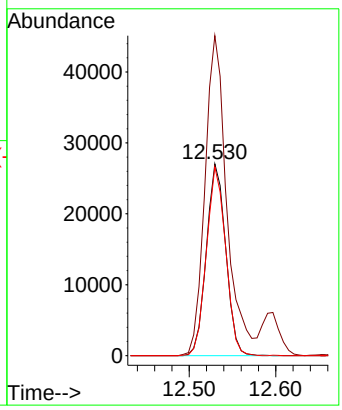




#77
Bromobenzene
Concen: 18.433 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:156 Resp: 4207

Ion	Ratio	Lower	Upper
156	100		
77	186.1	94.0	282.1
158	97.9	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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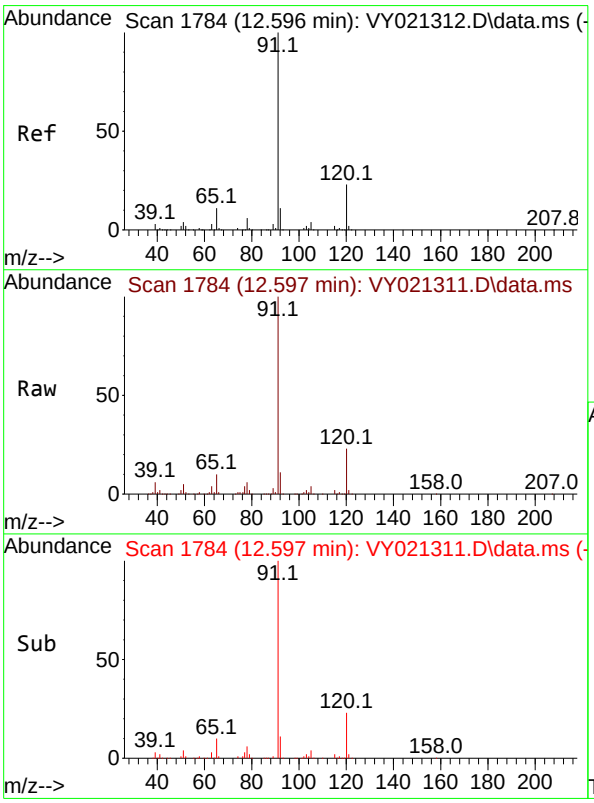
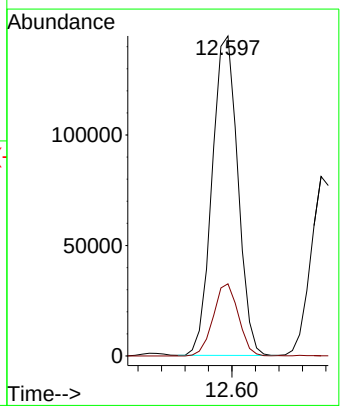
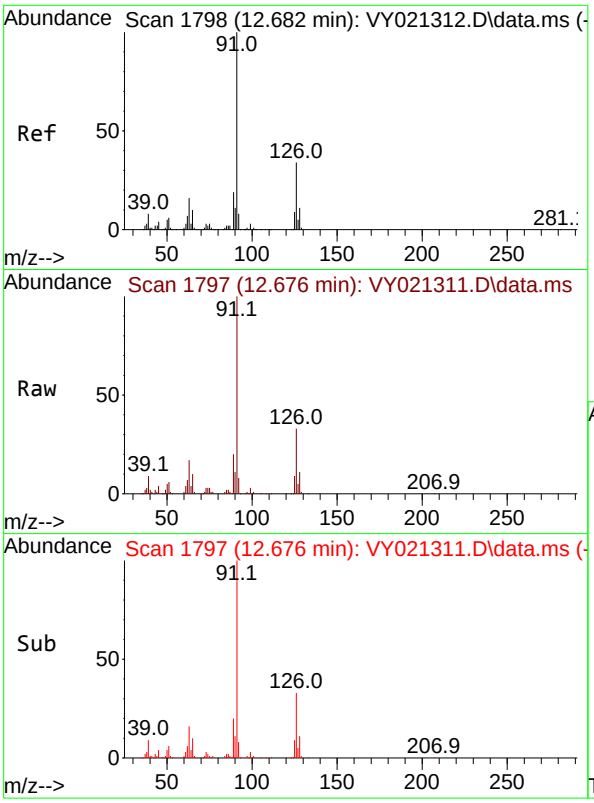


#78
n-propylbenzene
Concen: 18.486 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 220158

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.5

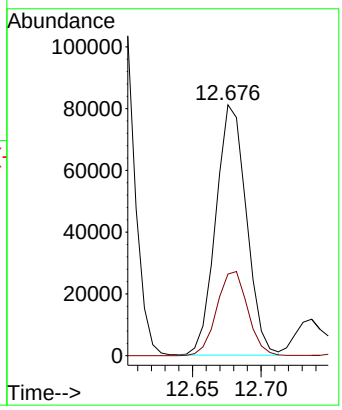




#79
2-Chlorotoluene
Concen: 18.430 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 12596

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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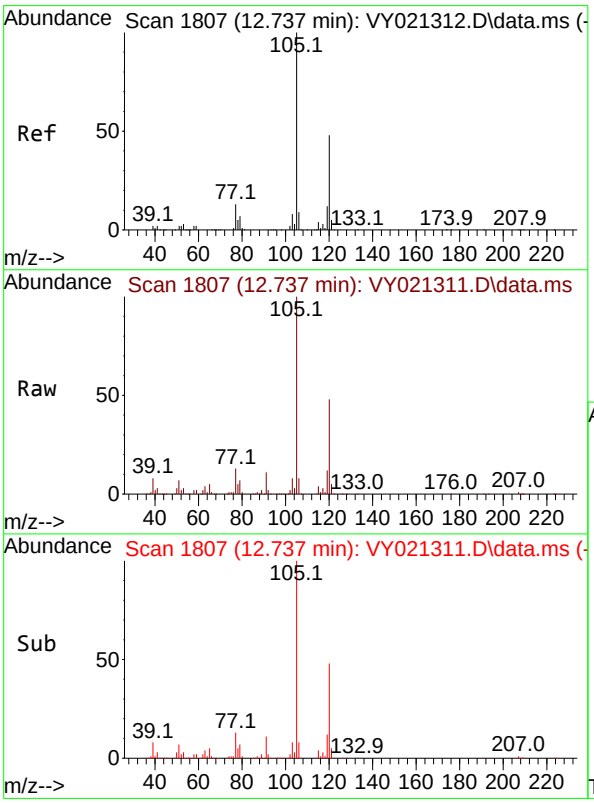
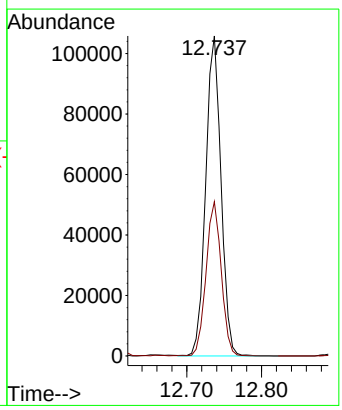
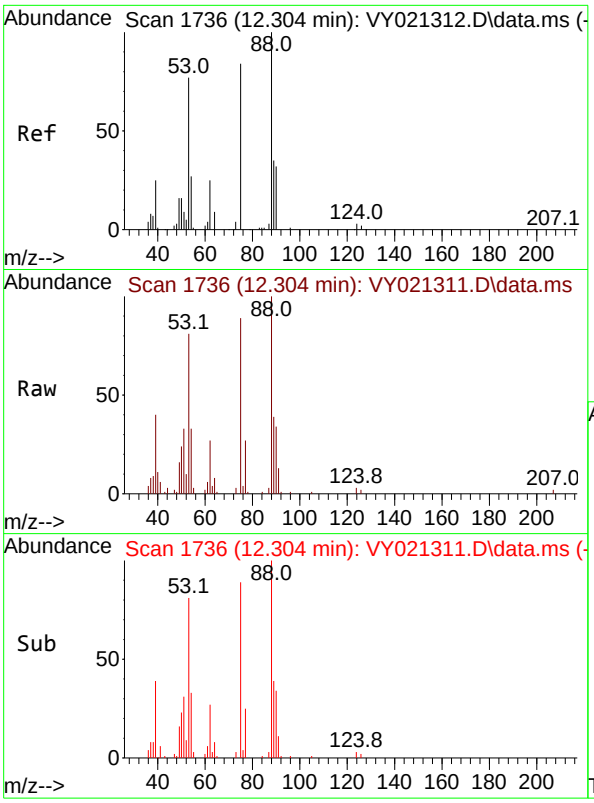


#80
1,3,5-Trimethylbenzene
Concen: 18.635 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 150004

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 18.483 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 1086

Ion	Ratio	Lower	Upper
75	100		
53	100.2	79.1	118.7
89	44.9	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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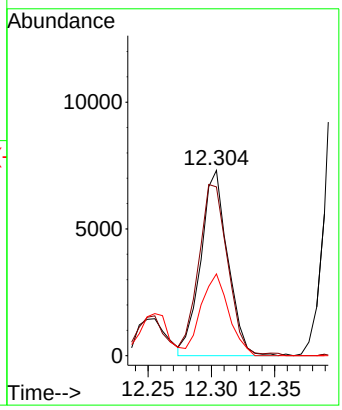
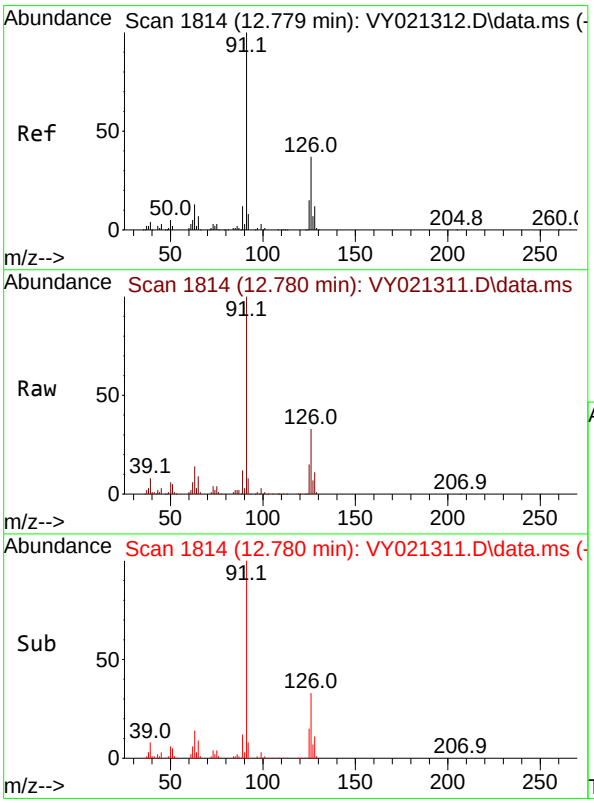
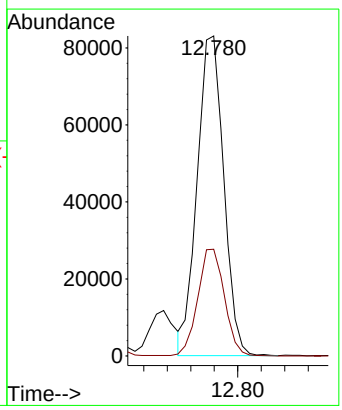


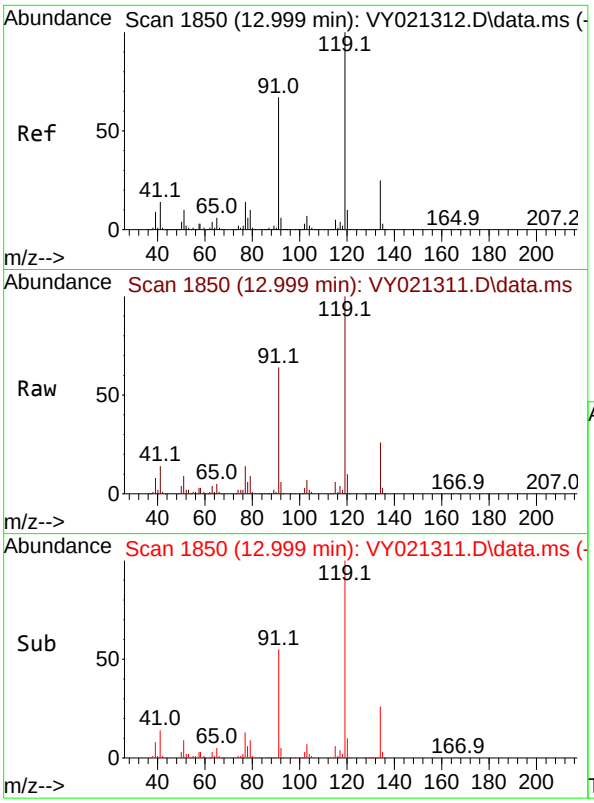


#82
4-Chlorotoluene
Concen: 18.396 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 130335

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

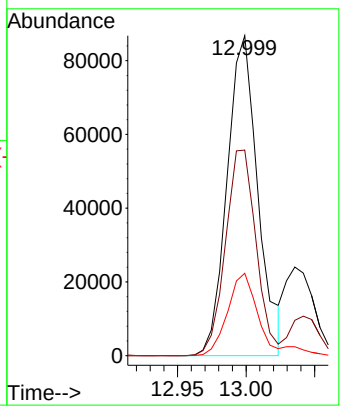




#83
tert-Butylbenzene
Concen: 18.681 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:119 Resp: 13582

Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.7	98.1
134	26.8	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
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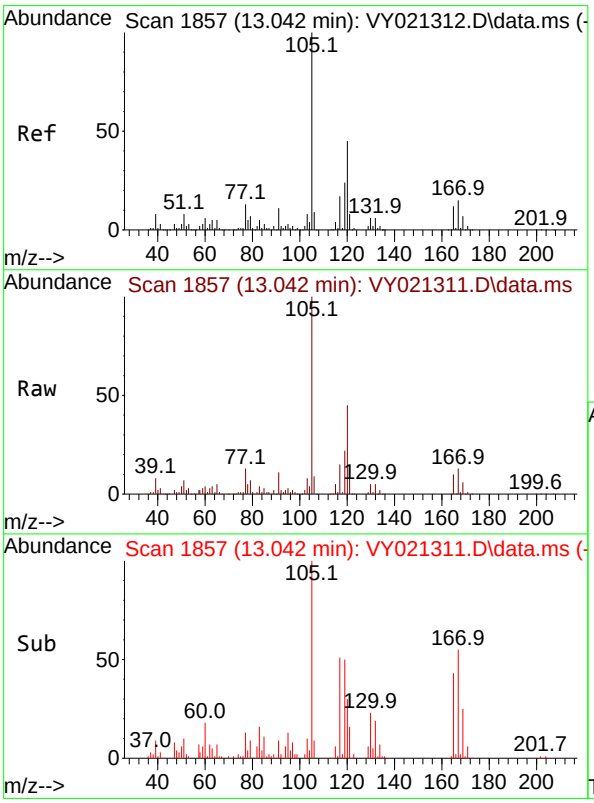
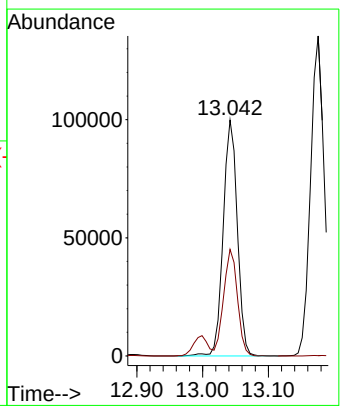
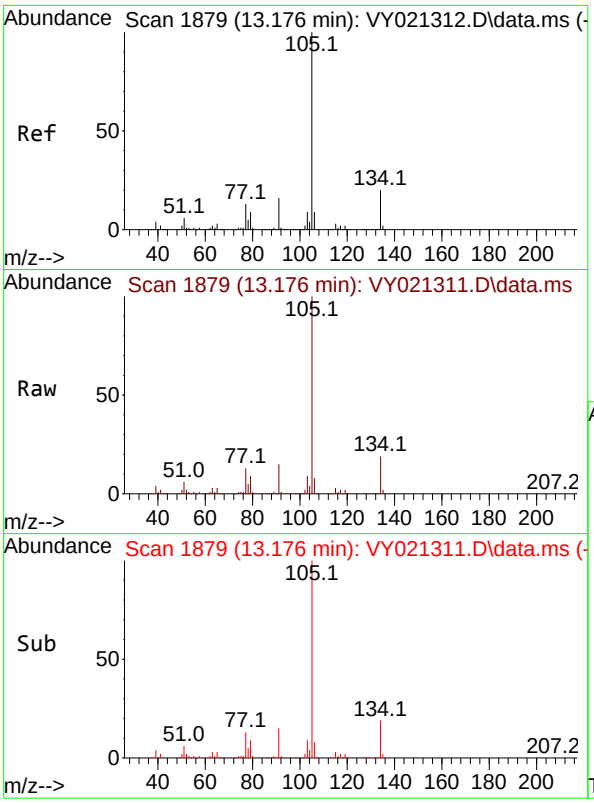


#84
1,2,4-Trimethylbenzene
Concen: 18.657 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 149358

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.4	67.3

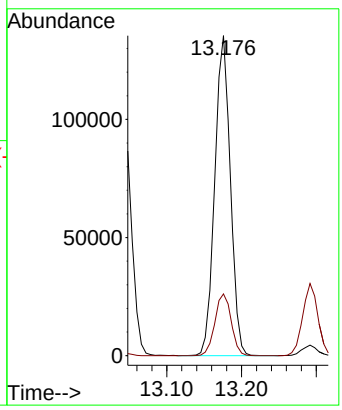




#85
sec-Butylbenzene
Concen: 18.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 19633

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
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ClientSampleId :
VSTDICC020

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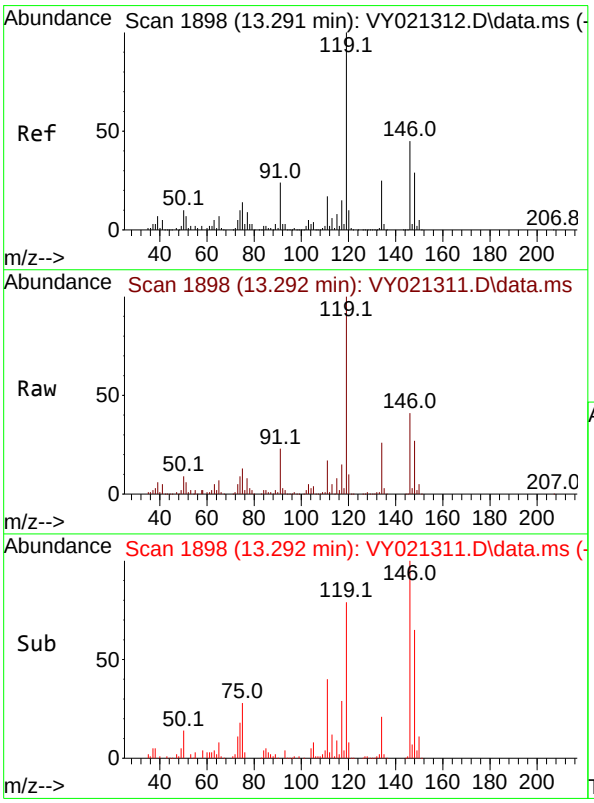
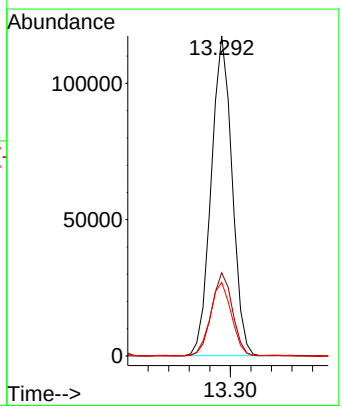
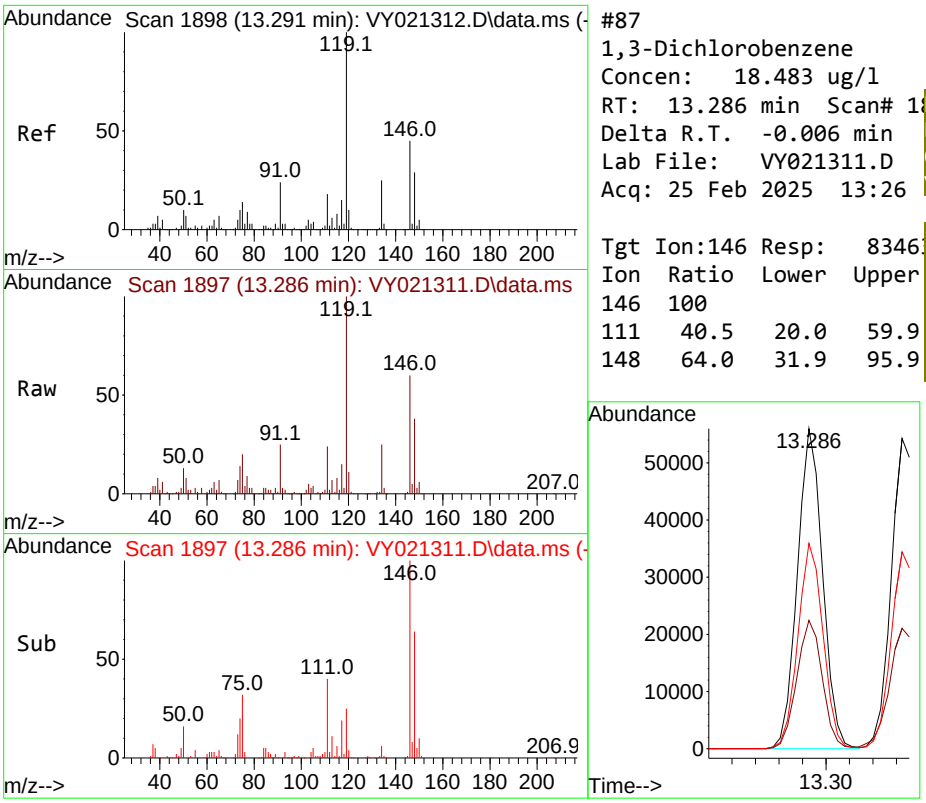


#86
p-Isopropyltoluene
Concen: 18.620 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:119 Resp: 165127

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	38.9
91	23.5	12.0	36.1





#87
1,3-Dichlorobenzene
Concen: 18.483 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

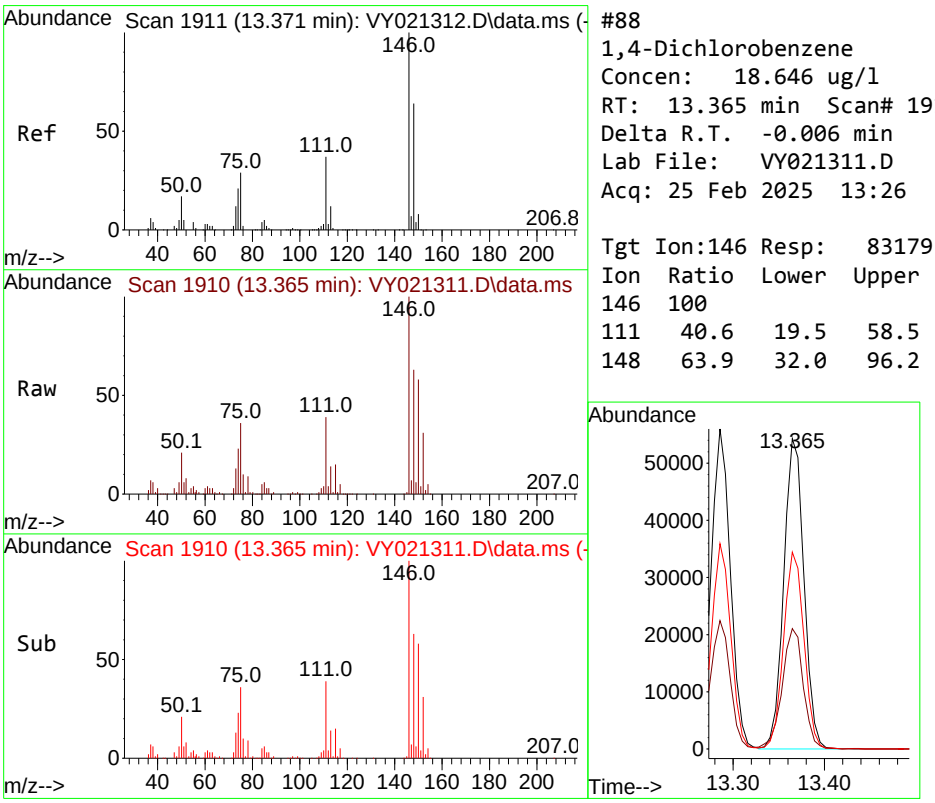
Tgt Ion:146 Resp: 8346

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	64.0	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

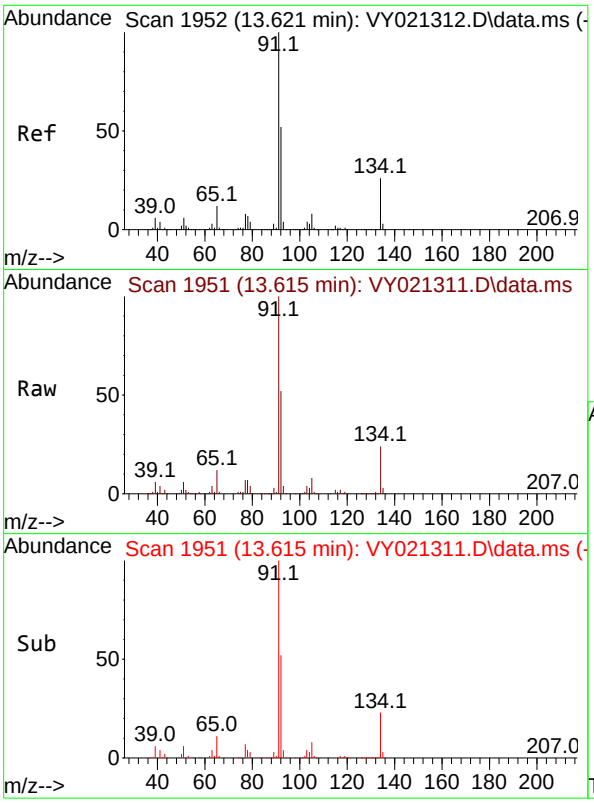
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#88
1,4-Dichlorobenzene
Concen: 18.646 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 83179

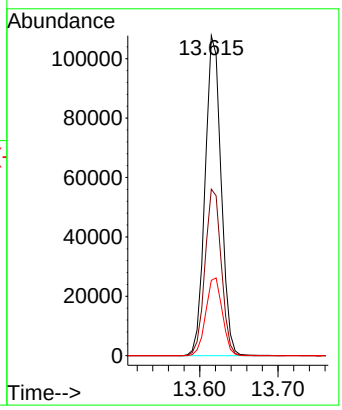
Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.5	58.5
148	63.9	32.0	96.2



#89
n-Butylbenzene
Concen: 18.337 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 15303

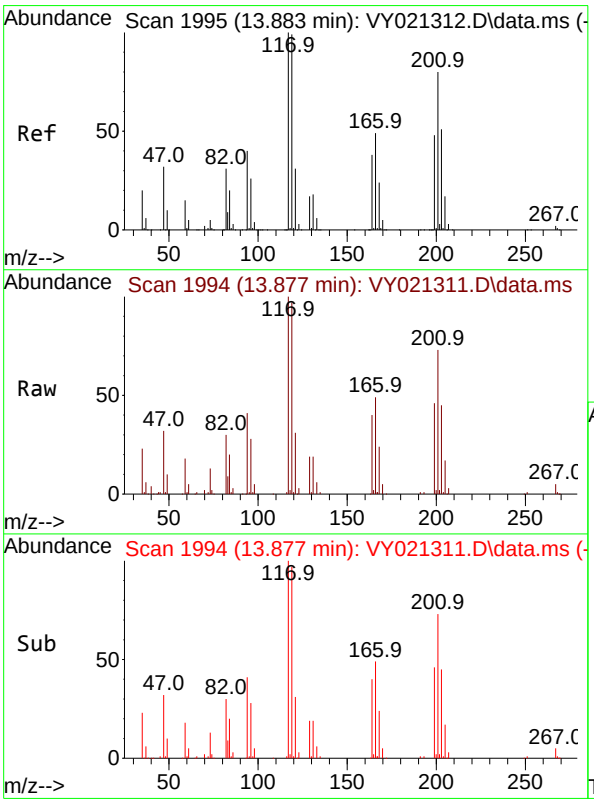
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	25.0	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

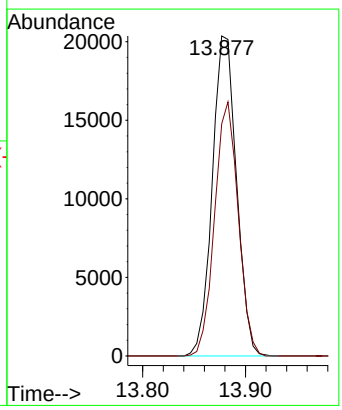
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

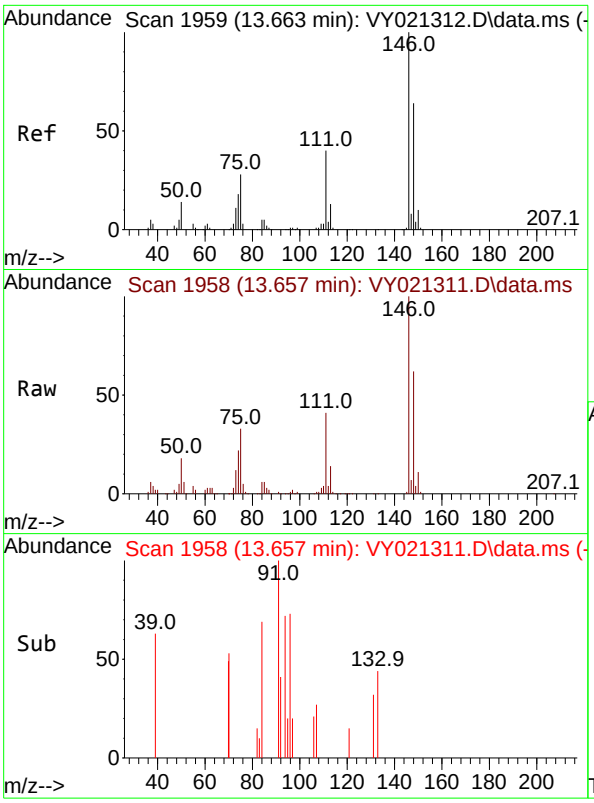


#90
Hexachloroethane
Concen: 17.998 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 33341

Ion	Ratio	Lower	Upper
117	100		
201	77.3	38.4	115.2

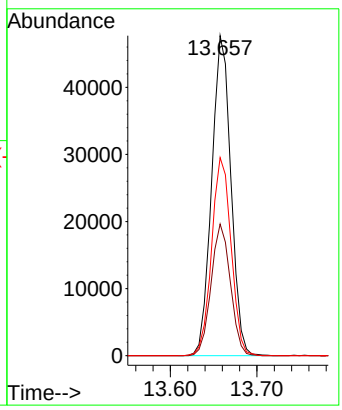




#91
1,2-Dichlorobenzene
Concen: 18.581 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 7351

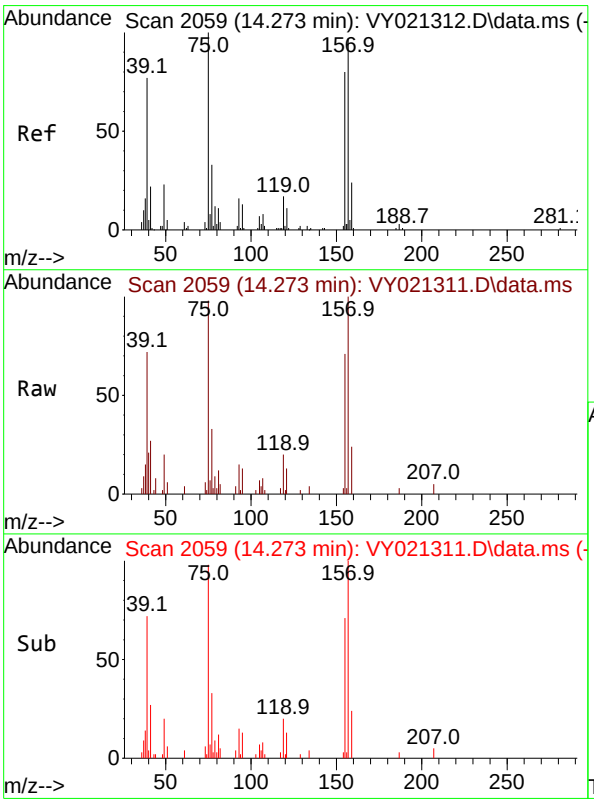
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	62.8	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

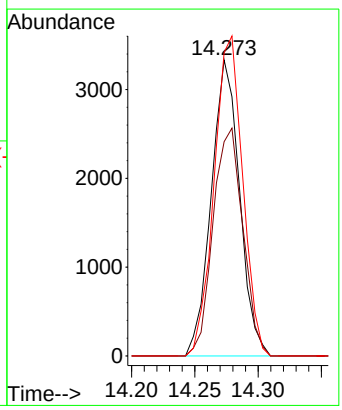
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

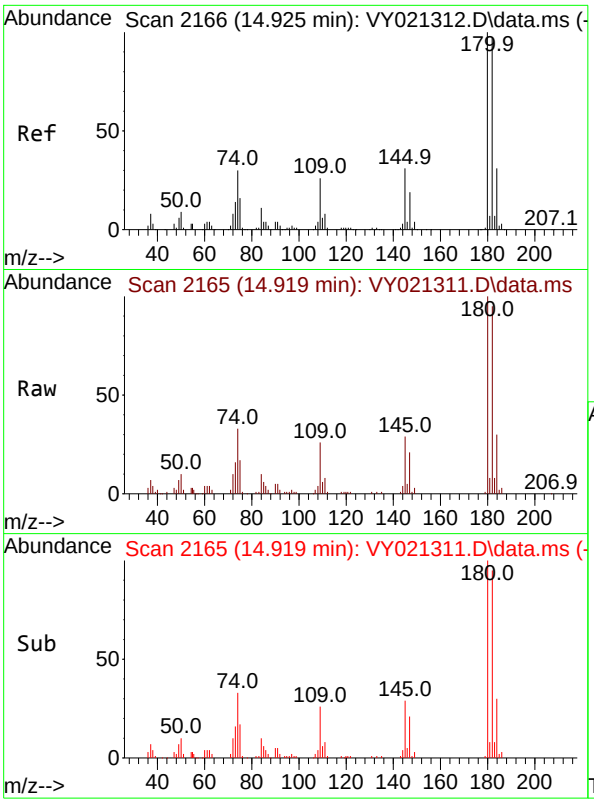


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.908 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 5181

Ion	Ratio	Lower	Upper
75	100		
155	81.2	41.9	125.6
157	109.0	52.5	157.6

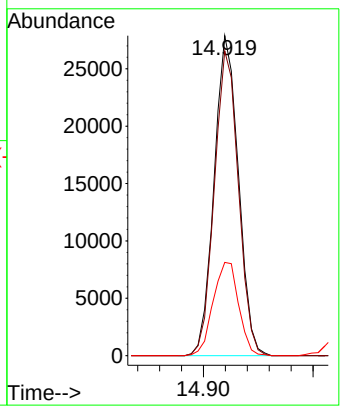




#93
1,2,4-Trichlorobenzene
Concen: 17.770 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:180 Resp: 4290

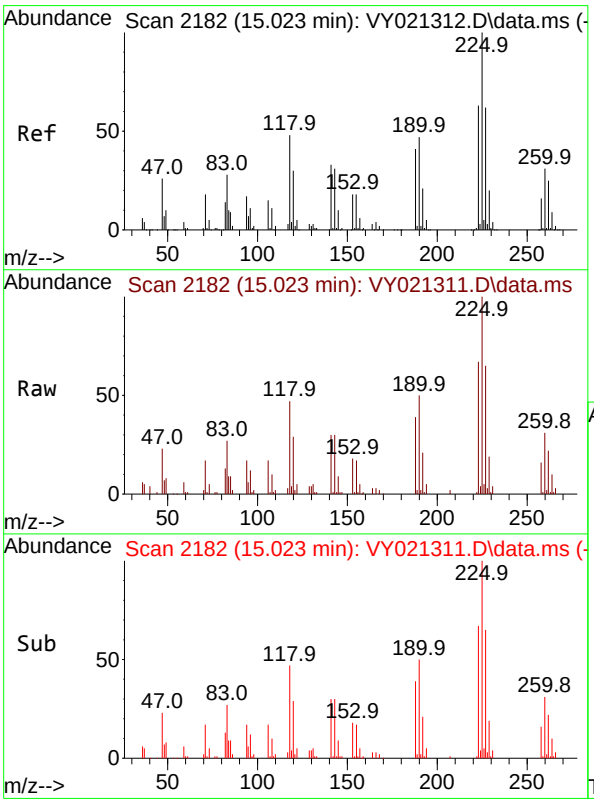
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	30.7	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

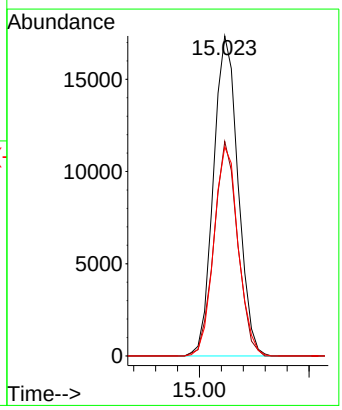
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

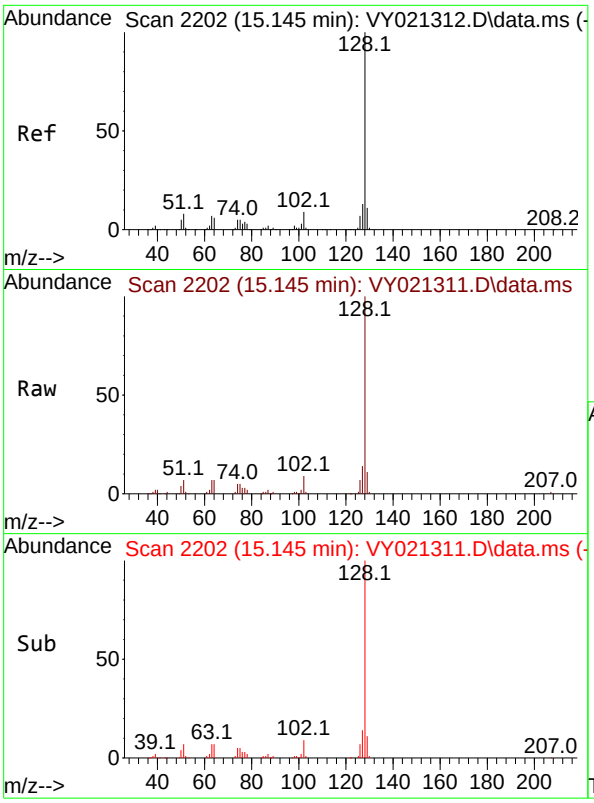


#94
Hexachlorobutadiene
Concen: 17.771 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:225 Resp: 27015

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.8	95.4
227	64.7	31.9	95.7

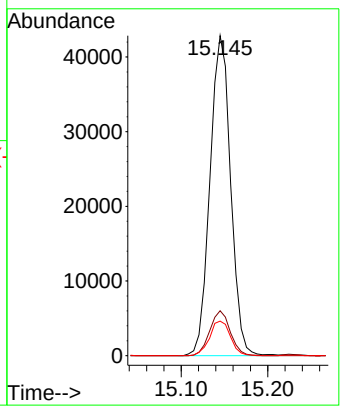




#95
Naphthalene
Concen: 17.763 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:128 Resp: 7104

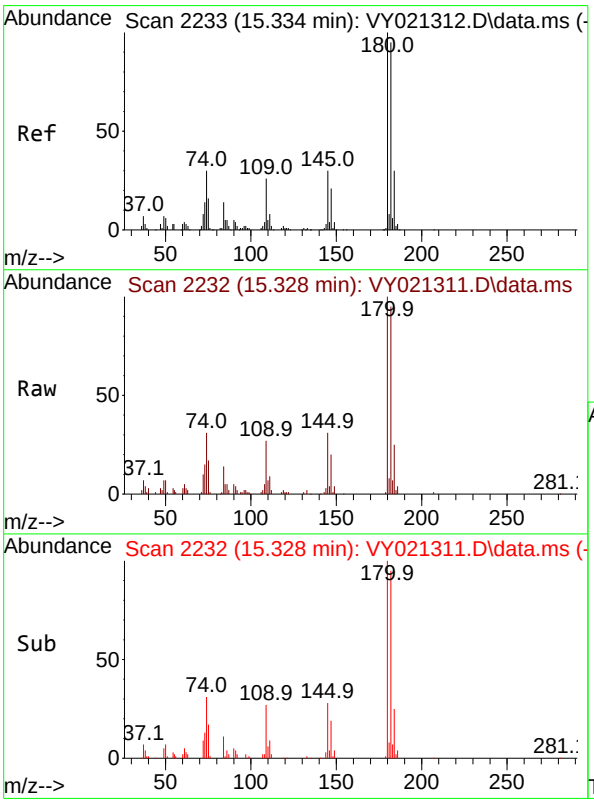
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

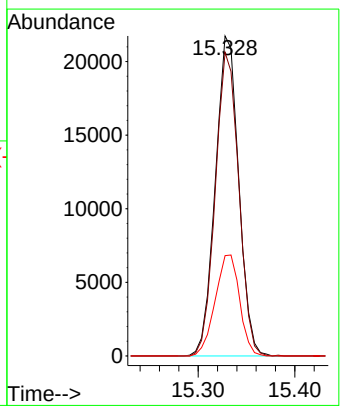
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.871 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:180 Resp: 36460

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.9
145	32.9	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	175365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	272563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	239724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96694	48.606	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.220%			
35) Dibromofluoromethane	7.634	113	88513	49.533	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.060%			
50) Toluene-d8	10.103	98	340929	49.367	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.740%			
62) 4-Bromofluorobenzene	12.408	95	115401	49.652	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86387	51.957	ug/l	100
3) Chloromethane	2.068	50	105626	49.191	ug/l	100
4) Vinyl Chloride	2.202	62	109961	52.173	ug/l	100
5) Bromomethane	2.592	94	67780	48.395	ug/l	100
6) Chloroethane	2.732	64	68323	52.276	ug/l	100
7) Trichlorofluoromethane	3.056	101	164215	51.592	ug/l	100
8) Diethyl Ether	3.452	74	50185	52.532	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	94197	51.116	ug/l	100
10) Methyl Iodide	4.007	142	111673	57.600	ug/l	100
11) Tert butyl alcohol	4.854	59	35300	230.691	ug/l	100
12) 1,1-Dichloroethene	3.787	96	90388	51.226	ug/l	100
13) Acrolein	3.647	56	5860	49.975	ug/l	100
14) Allyl chloride	4.385	41	162419	51.918	ug/l	100
15) Acrylonitrile	5.055	53	111677	264.397	ug/l	100
16) Acetone	3.866	43	111923	293.294	ug/l	100
17) Carbon Disulfide	4.104	76	304042	51.892	ug/l	100
18) Methyl Acetate	4.385	43	48368	51.864	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	247280	53.043	ug/l	100
20) Methylene Chloride	4.610	84	102592	49.716	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	100568	51.774	ug/l	100
22) Diisopropyl ether	6.012	45	343920	53.126	ug/l	100
23) Vinyl Acetate	5.957	43	1041767	269.294	ug/l	100
24) 1,1-Dichloroethane	5.915	63	189943	52.057	ug/l	100
25) 2-Butanone	6.890	43	160248	278.240	ug/l	100
26) 2,2-Dichloropropane	6.884	77	170469	51.489	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	116627	52.579	ug/l	100
28) Bromochloromethane	7.244	49	79678	49.352	ug/l	100
29) Tetrahydrofuran	7.256	42	100417	266.741	ug/l	100
30) Chloroform	7.421	83	191980	51.925	ug/l	100
31) Cyclohexane	7.701	56	173460	49.456	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	172880	51.372	ug/l	100
36) 1,1-Dichloropropene	7.835	75	140574	52.371	ug/l	100
37) Ethyl Acetate	6.982	43	70184	52.565	ug/l	100
38) Carbon Tetrachloride	7.817	117	158319	52.465	ug/l	100
39) Methylcyclohexane	9.109	83	180496	53.165	ug/l	100
40) Benzene	8.079	78	417798	52.655	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	39965	53.535	ug/l	100
42) 1,2-Dichloroethane	8.158	62	118176	52.494	ug/l	100
43) Isopropyl Acetate	8.195	43	139829	54.106	ug/l	100
44) Trichloroethene	8.865	130	104074	52.389	ug/l	100
45) 1,2-Dichloropropane	9.140	63	101166	52.980	ug/l	100
46) Dibromomethane	9.231	93	55365	53.043	ug/l	100
47) Bromodichloromethane	9.420	83	147382	52.957	ug/l	100
48) Methyl methacrylate	9.219	41	67406	55.775	ug/l	100
49) 1,4-Dioxane	9.231	88	12193	1050.591	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	364446	275.485	ug/l	100
52) Toluene	10.170	92	263062	53.367	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	140399	55.062	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	161021	53.492	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	72720	53.481	ug/l	100
56) Ethyl methacrylate	10.438	69	106914	56.904	ug/l	100
57) 1,3-Dichloropropane	10.719	76	127795	53.559	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	260718	289.104	ug/l	100
59) 2-Hexanone	10.761	43	249578	287.258	ug/l	100
60) Dibromochloromethane	10.908	129	100250	54.134	ug/l	100
61) 1,2-Dibromoethane	11.018	107	69236	53.783	ug/l	100
64) Tetrachloroethene	10.646	164	93317	51.501	ug/l	100
65) Chlorobenzene	11.444	112	281918	52.390	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	99131	52.611	ug/l	100
67) Ethyl Benzene	11.517	91	510639	53.573	ug/l	100
68) m/p-Xylenes	11.627	106	384346	107.204	ug/l	100
69) o-Xylene	11.956	106	181728	54.108	ug/l	100
70) Styrene	11.969	104	306007	54.760	ug/l	100
71) Bromoform	12.133	173	58860	54.605	ug/l	100
73) Isopropylbenzene	12.255	105	483937	52.885	ug/l	100
74) N-amyl acetate	12.072	43	129020	55.471	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	84893	52.566	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	63683m	51.954	ug/l	
77) Bromobenzene	12.529	156	110538	51.935	ug/l	100
78) n-propylbenzene	12.596	91	587915	52.946	ug/l	100
79) 2-Chlorotoluene	12.682	91	330472	51.857	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	395609	52.712	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	29649	54.090	ug/l	100
82) 4-Chlorotoluene	12.779	91	342611	51.864	ug/l	100
83) tert-Butylbenzene	12.999	119	352055	51.930	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	395315	52.962	ug/l	100
85) sec-Butylbenzene	13.176	105	518094	52.319	ug/l	100
86) p-Isopropyltoluene	13.291	119	437283	52.884	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	218136	51.811	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	213090	51.233	ug/l	100
89) n-Butylbenzene	13.621	91	416377	53.510	ug/l	100
90) Hexachloroethane	13.883	117	87765	50.814	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	191758	51.985	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13782	53.947	ug/l	100
93) 1,2,4-Trichlorobenzene	14.925	180	117882	52.360	ug/l	100
94) Hexachlorobutadiene	15.023	225	71915	50.738	ug/l	100
95) Naphthalene	15.145	128	209478	56.174	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	100312	52.735	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

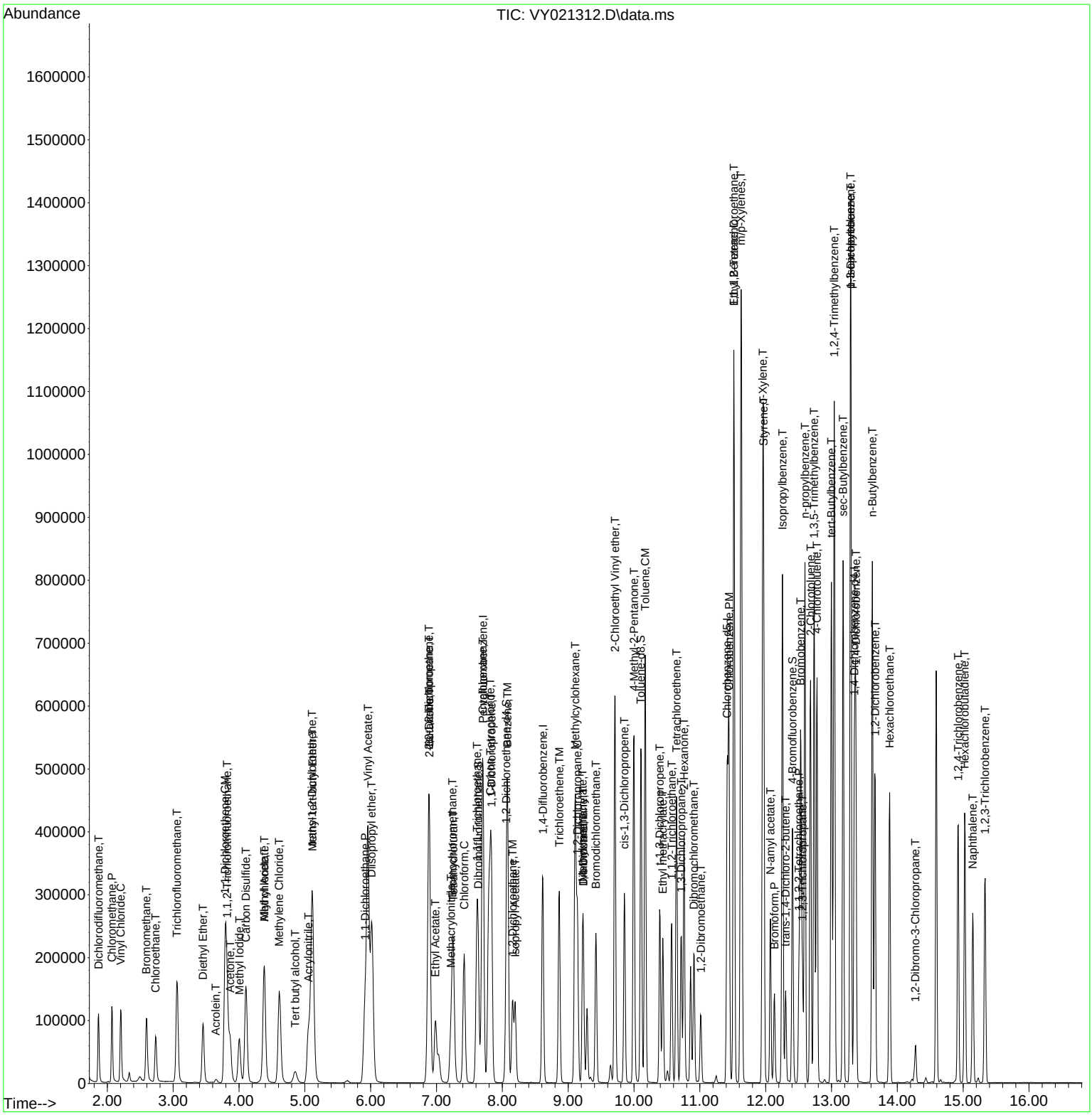
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

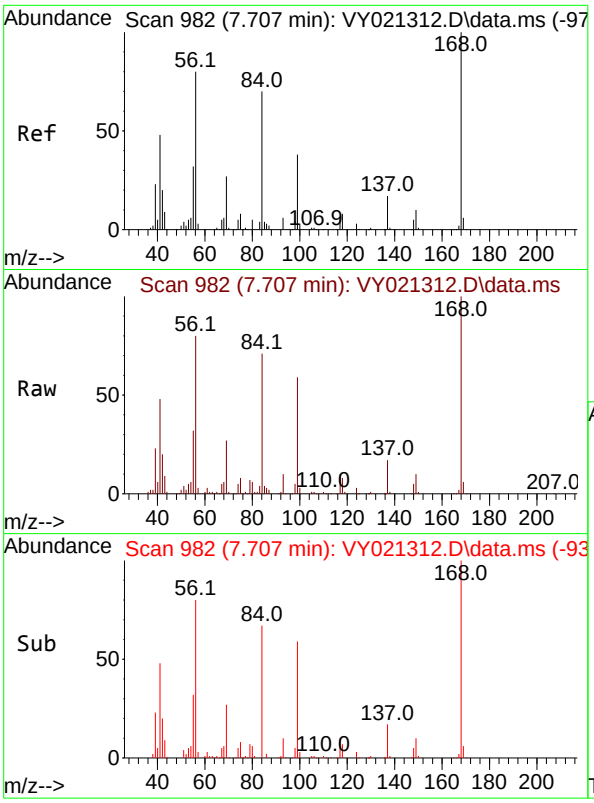
Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

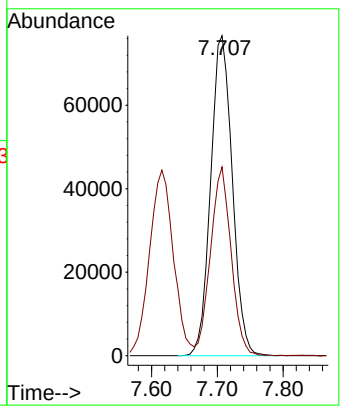




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:168 Resp: 17536

Ion	Ratio	Lower	Upper
168	100		
99	58.9	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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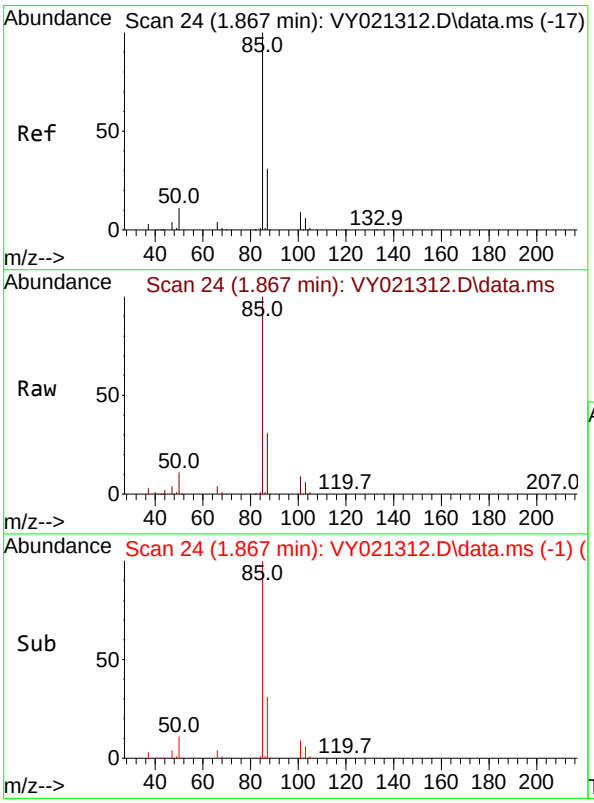
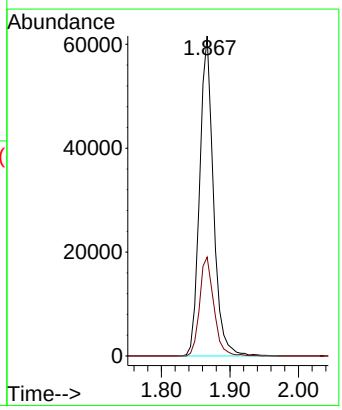
Supervised By :Mahesh Dadoda 02/26/2025

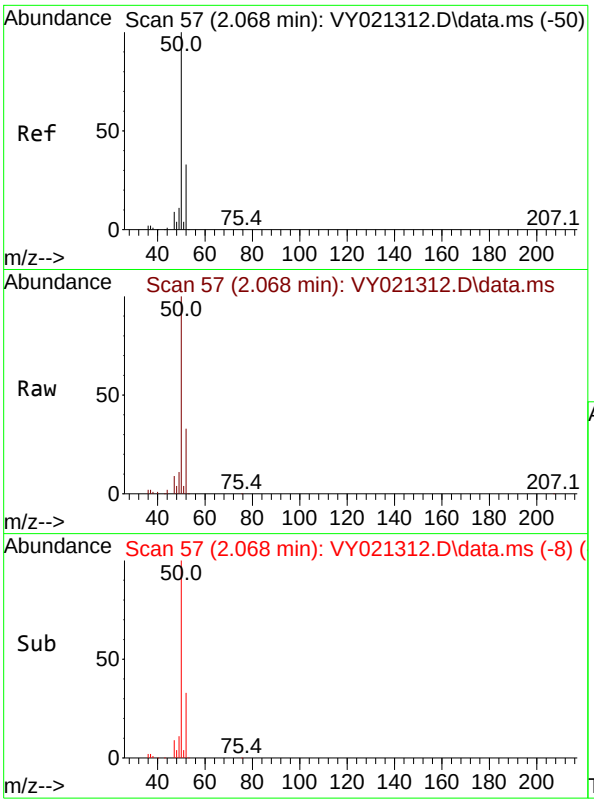


#2
Dichlorodifluoromethane
Concen: 51.957 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 85 Resp: 86387

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.4

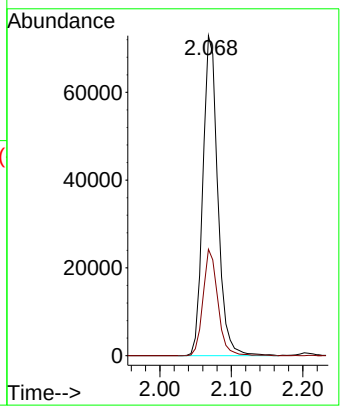




#3
Chloromethane
Concen: 49.191 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 50 Resp: 10562

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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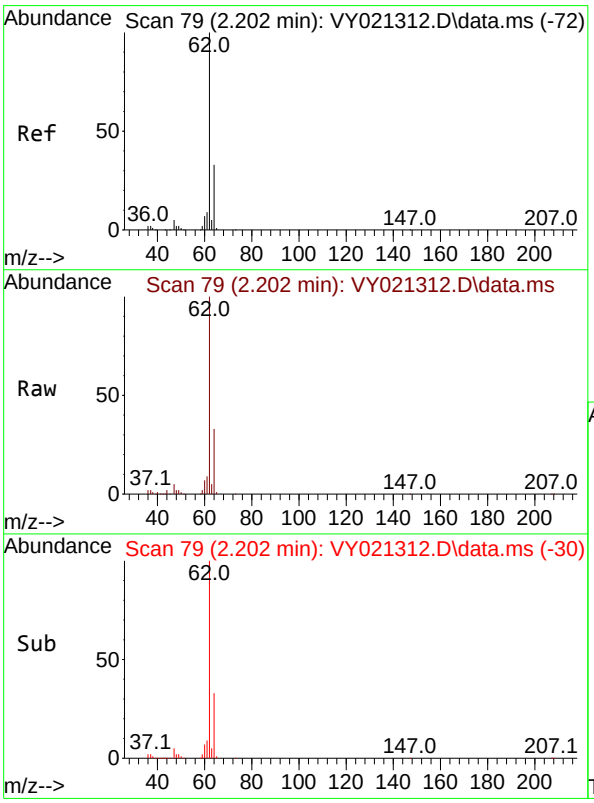
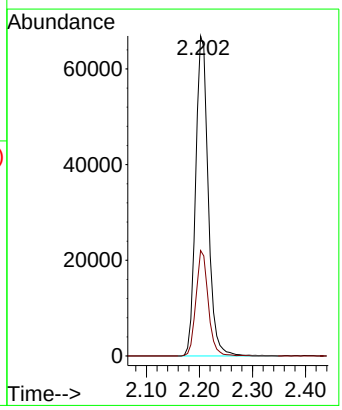
Supervised By :Mahesh Dadoda 02/26/2025

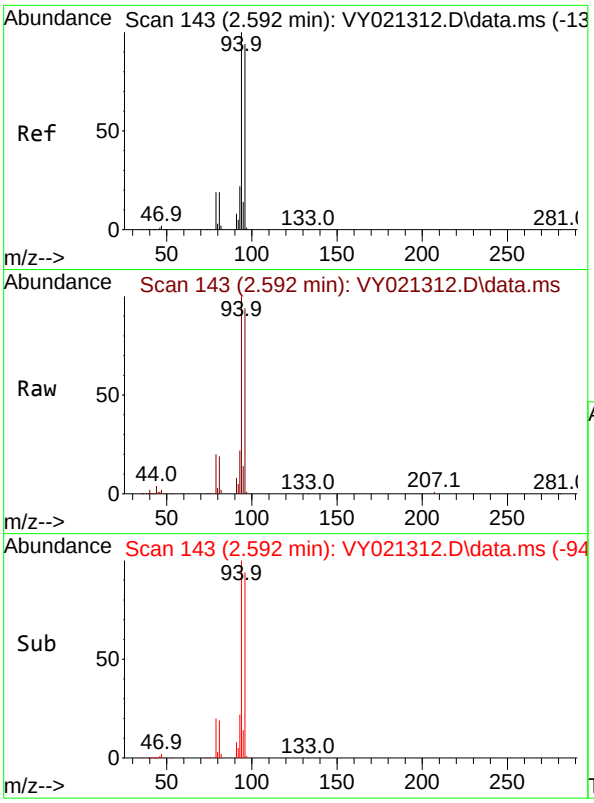


#4
Vinyl Chloride
Concen: 52.173 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 109961

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.3	39.5

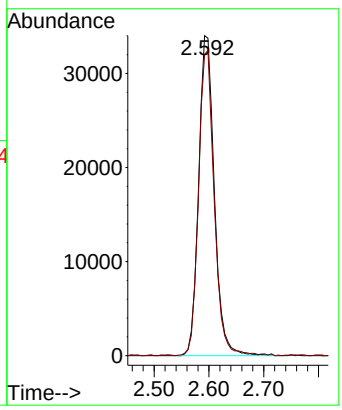




#5
Bromomethane
Concen: 48.395 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 94 Resp: 6778(

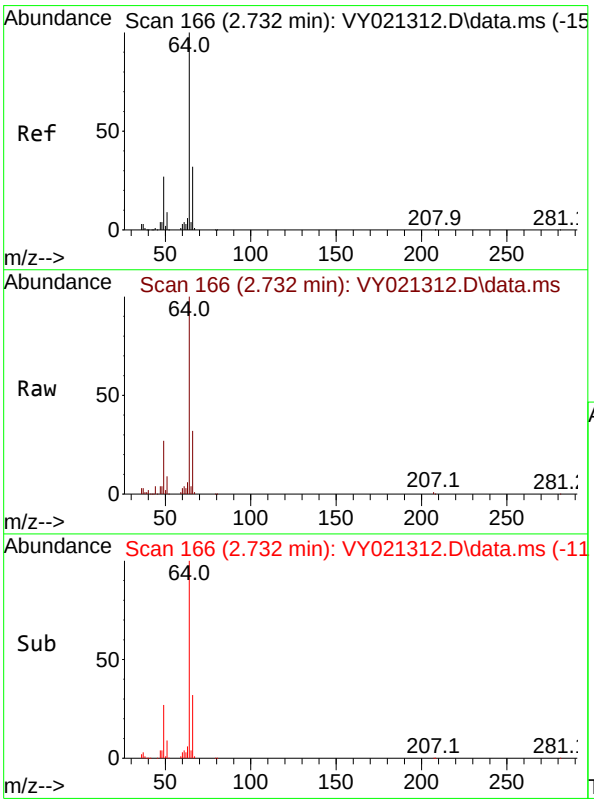
Ion	Ratio	Lower	Upper
94	100		
96	94.0	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

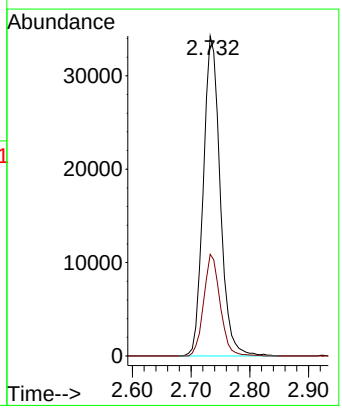
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

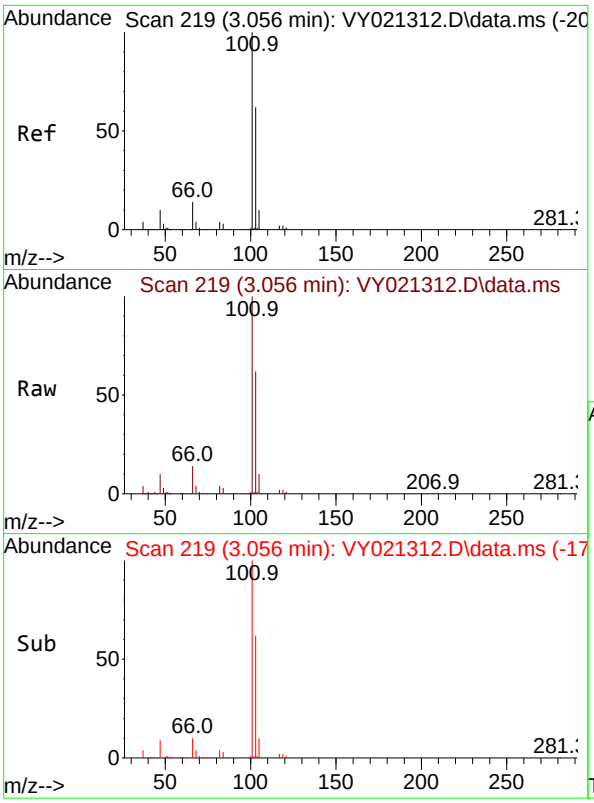


#6
Chloroethane
Concen: 52.276 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 64 Resp: 68323

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.4	38.0

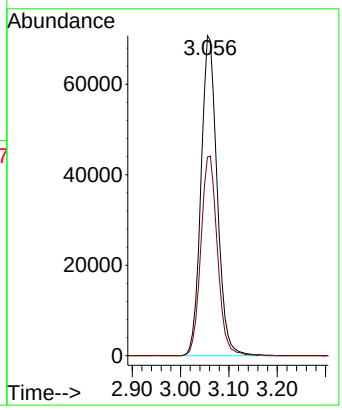




#7
Trichlorofluoromethane
Concen: 51.592 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:101 Resp: 16421

Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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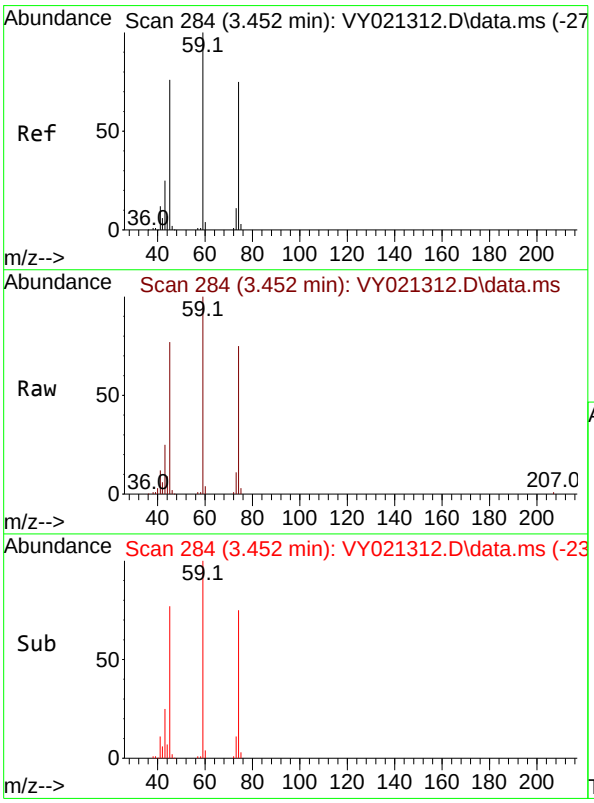
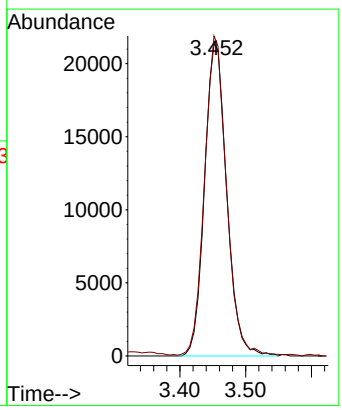
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

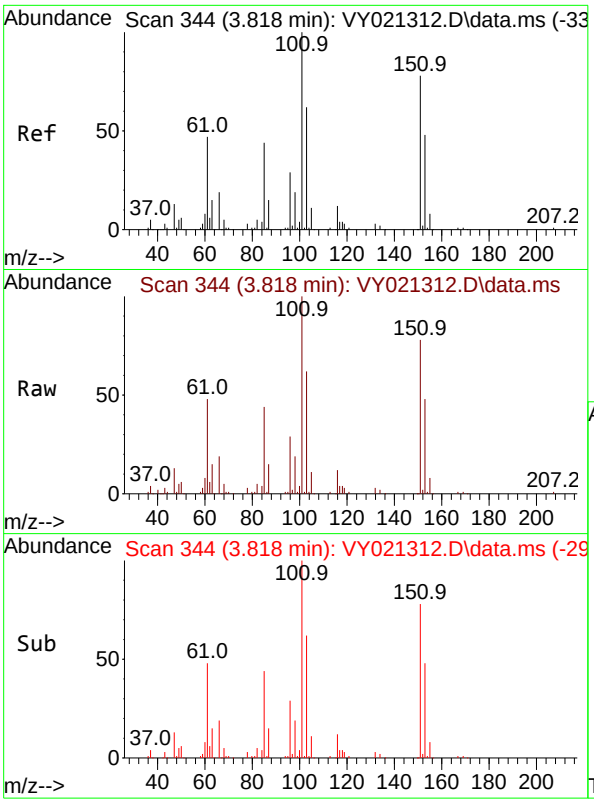


#8
Diethyl Ether
Concen: 52.532 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 74 Resp: 50185

Ion	Ratio	Lower	Upper
74	100		
45	100.6	50.3	150.9

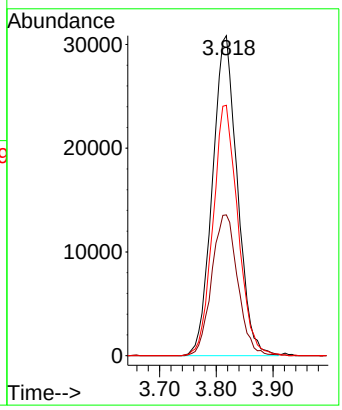




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.116 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:101 Resp: 9419

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.7	55.1
151	78.3	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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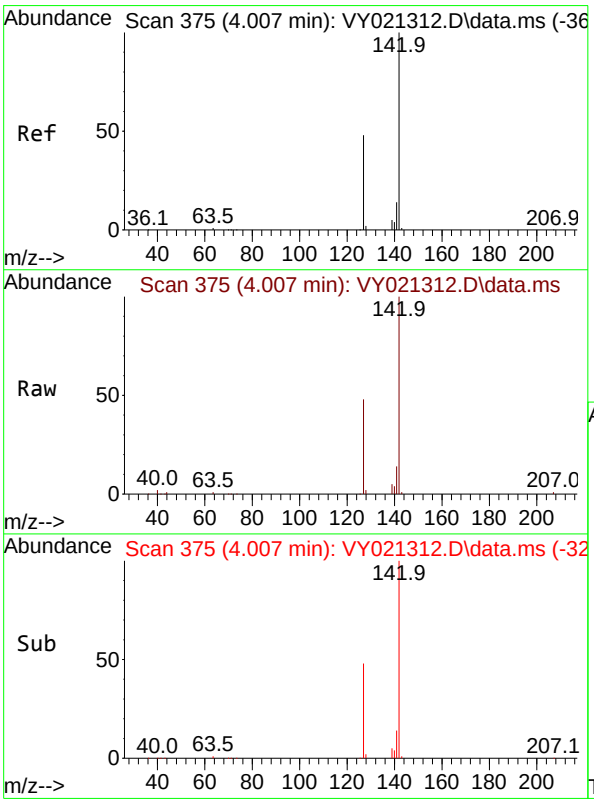
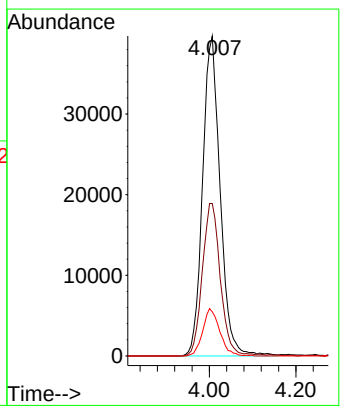
Supervised By :Mahesh Dadoda 02/26/2025

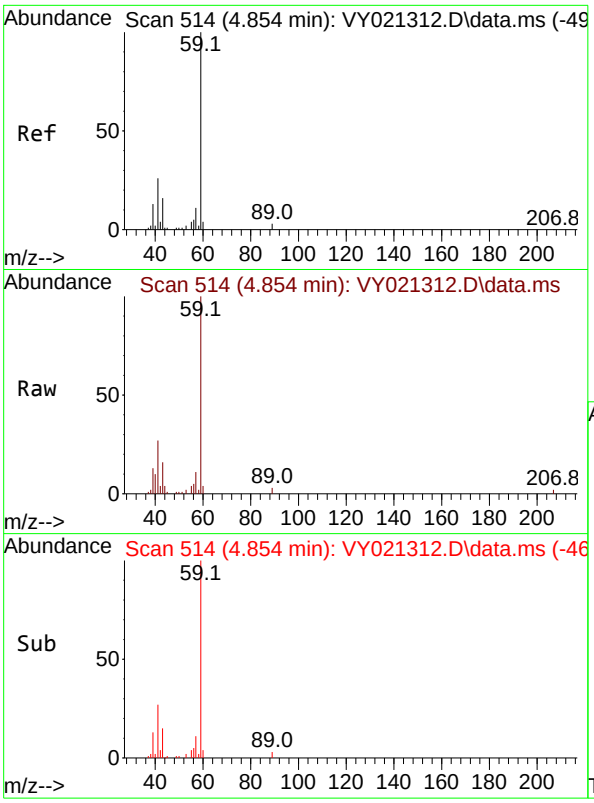


#10
Methyl Iodide
Concen: 57.600 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:142 Resp: 111673

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.2	58.8
141	14.3	11.4	17.2

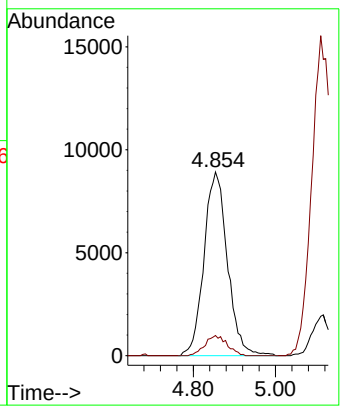




#11
Tert butyl alcohol
Concen: 230.691 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 59 Resp: 3530

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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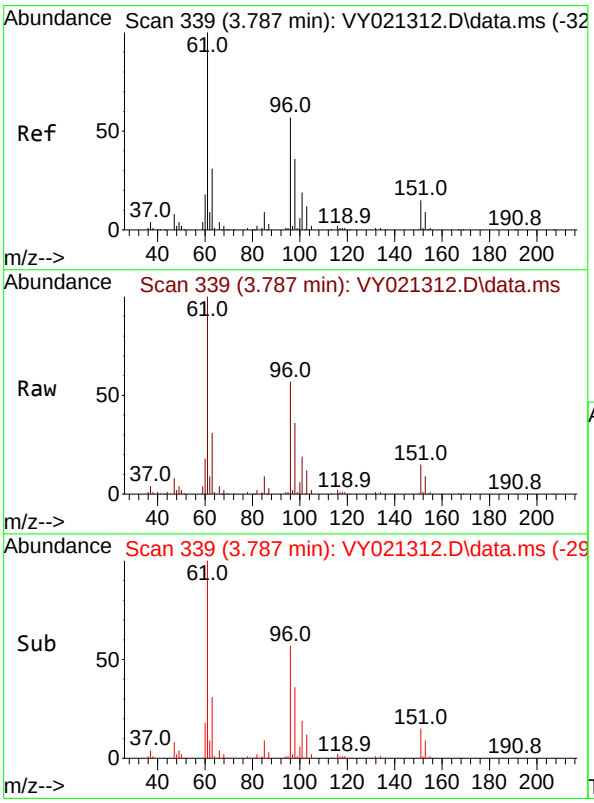
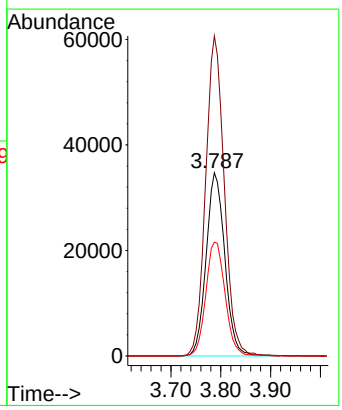
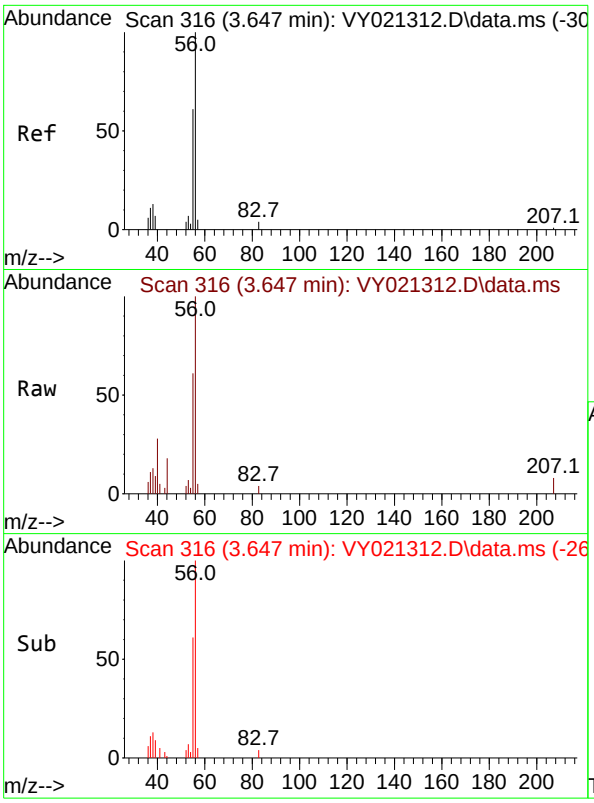


#12
1,1-Dichloroethene
Concen: 51.226 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 90388

Ion	Ratio	Lower	Upper
96	100		
61	174.6	139.7	209.5
98	62.1	49.7	74.5

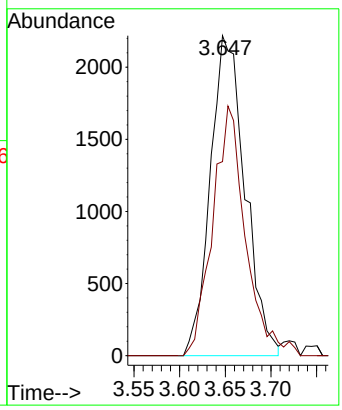




#13
Acrolein
Concen: 49.975 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 56 Resp: 586

Ion	Ratio	Lower	Upper
56	100		
55	73.8	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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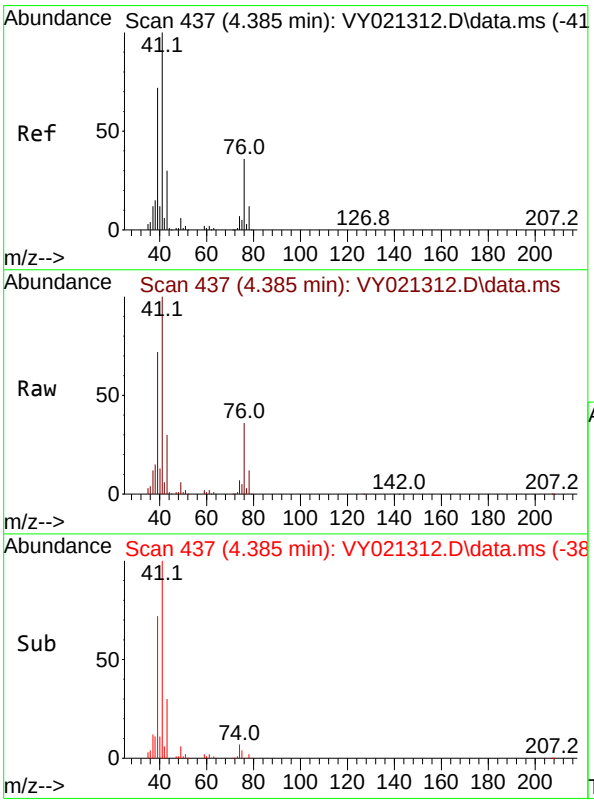
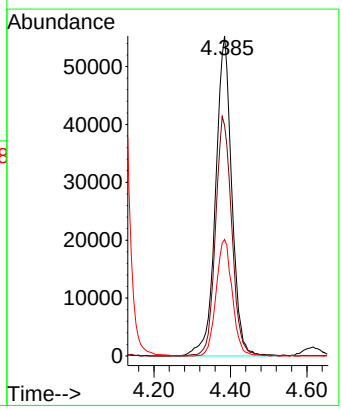
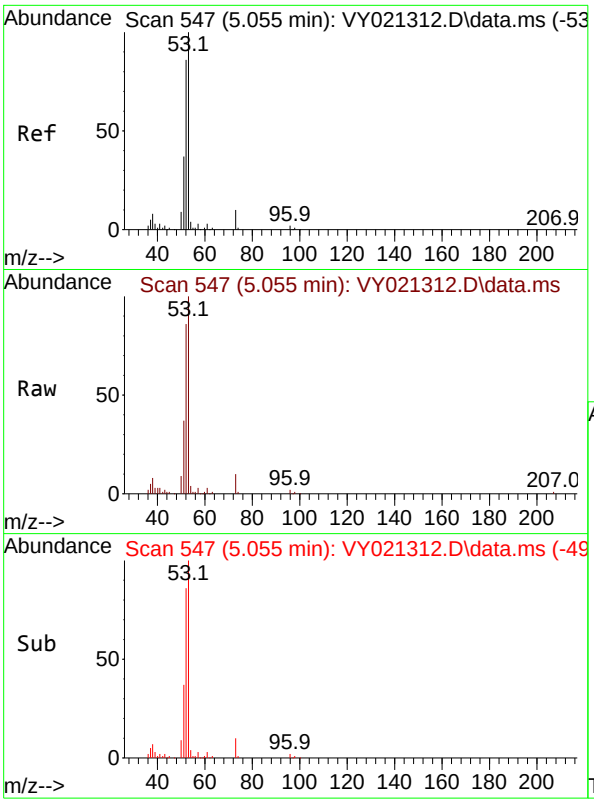


#14
Allyl chloride
Concen: 51.918 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 162419

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.0	90.0
76	36.3	29.0	43.6





#15
Acrylonitrile
Concen: 264.397 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 53 Resp: 11167

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	38.3	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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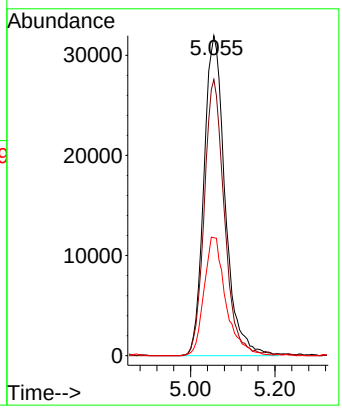
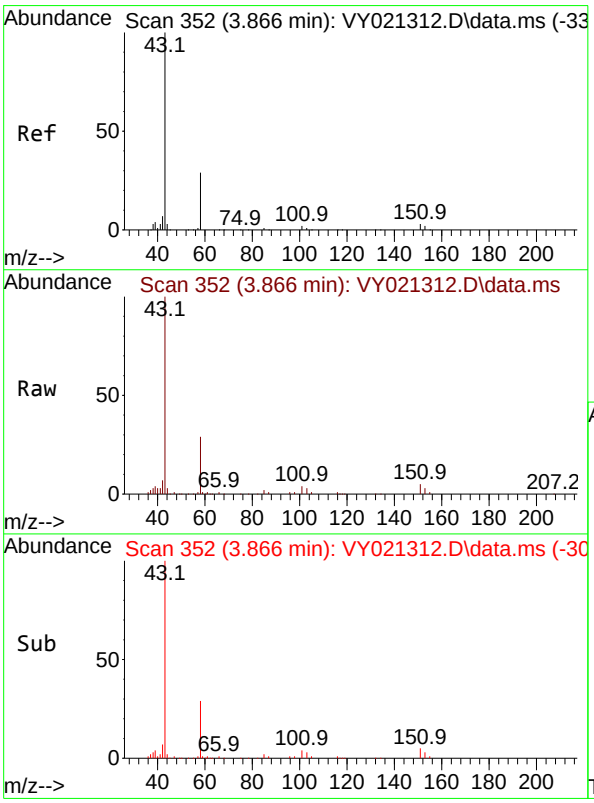
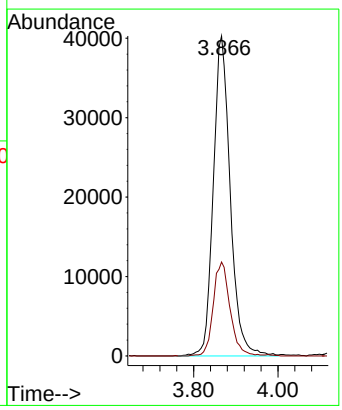


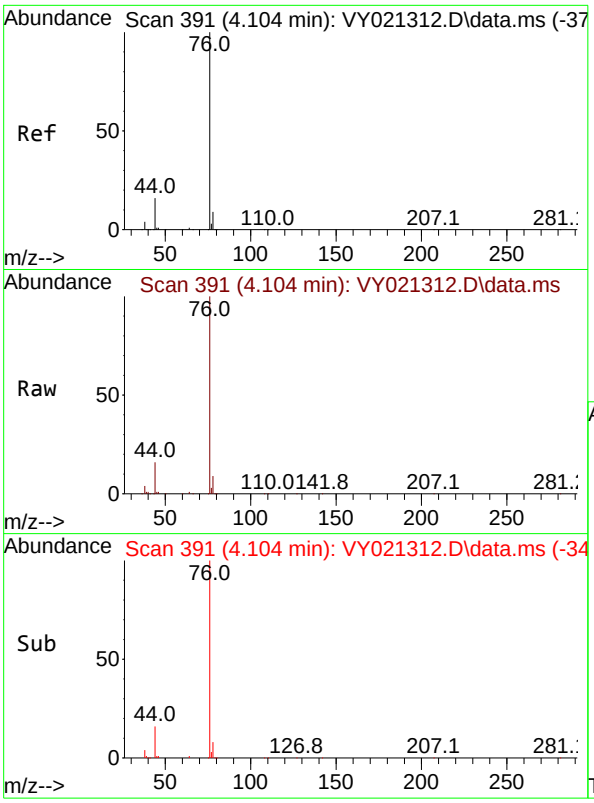


#16
Acetone
Concen: 293.294 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 111923

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.5	35.3

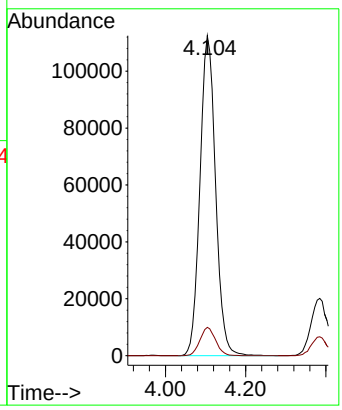




#17
Carbon Disulfide
Concen: 51.892 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 76 Resp: 30404

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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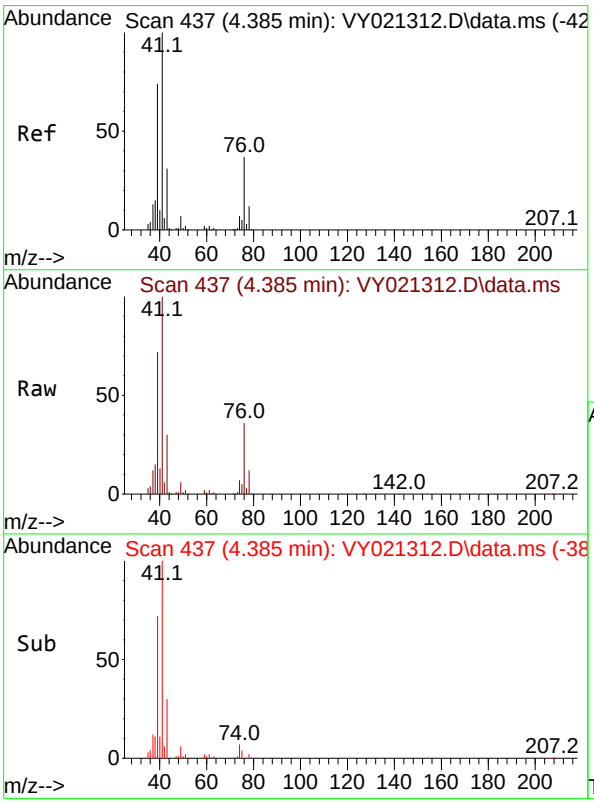
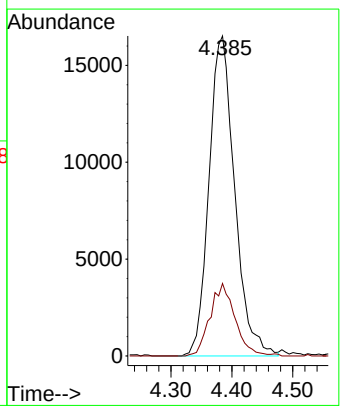
Supervised By :Mahesh Dadoda 02/26/2025

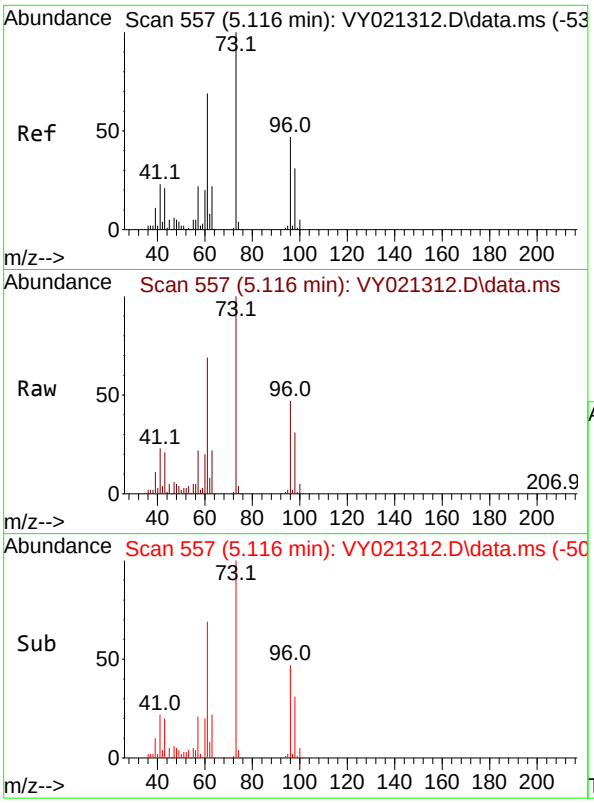


#18
Methyl Acetate
Concen: 51.864 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 48368

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.7	26.5

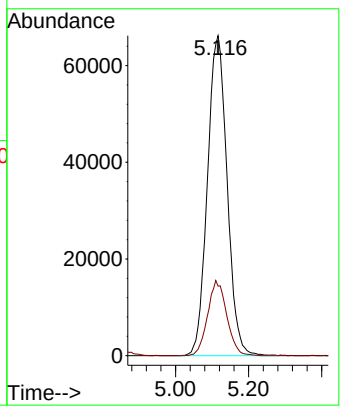




#19
Methyl tert-butyl Ether
Concen: 53.043 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 73 Resp: 24728

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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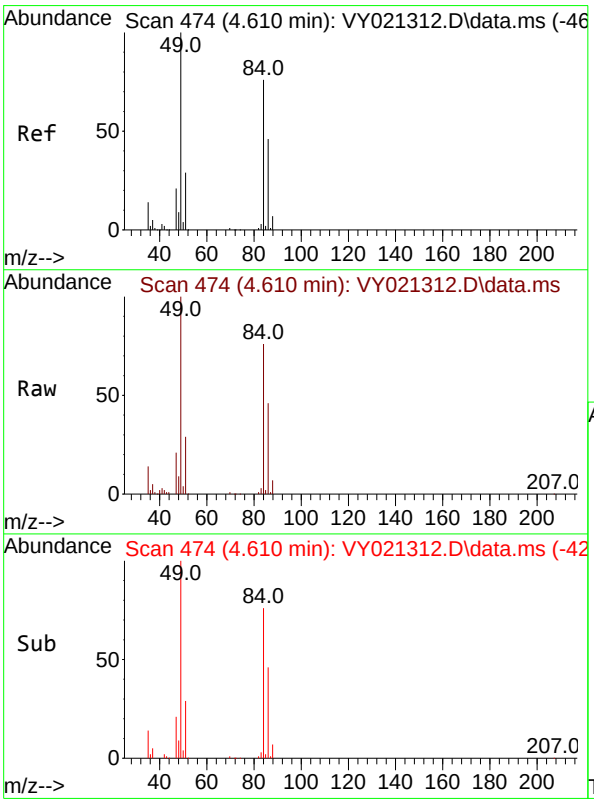
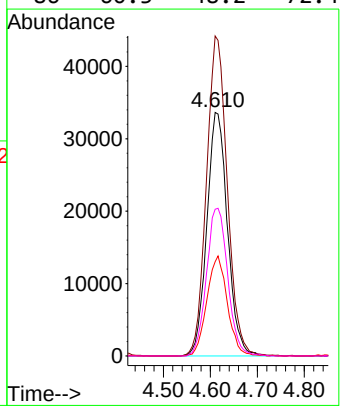
Supervised By :Mahesh Dadoda 02/26/2025

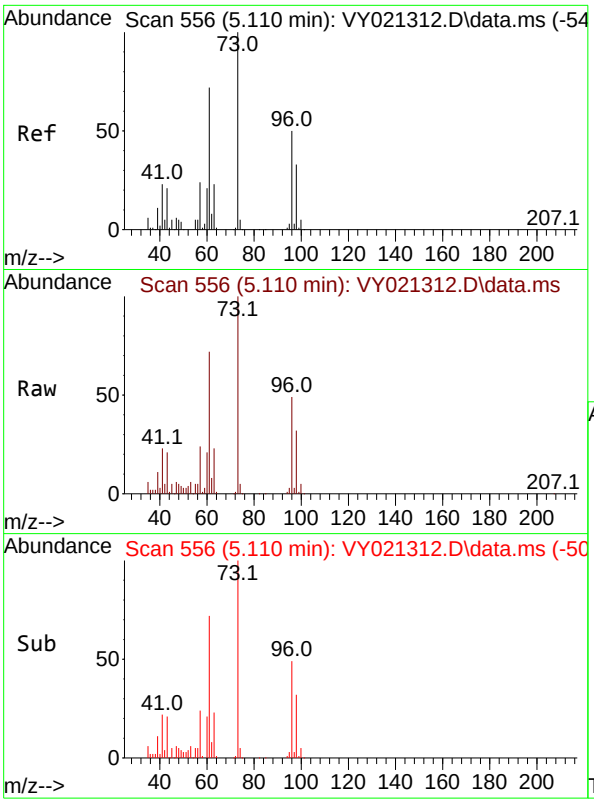


#20
Methylene Chloride
Concen: 49.716 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 84 Resp: 102592

Ion	Ratio	Lower	Upper
84	100		
49	131.4	105.1	157.7
51	38.7	31.0	46.4
86	60.3	48.2	72.4

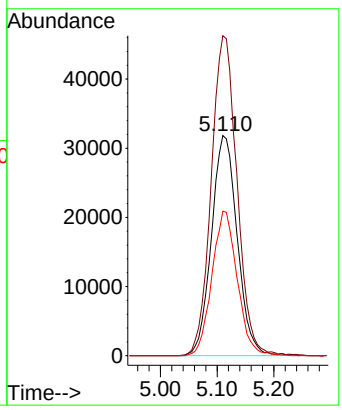




#21
trans-1,2-Dichloroethene
Concen: 51.774 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 10056

Ion	Ratio	Lower	Upper
96	100		
61	145.4	116.3	174.5
98	65.7	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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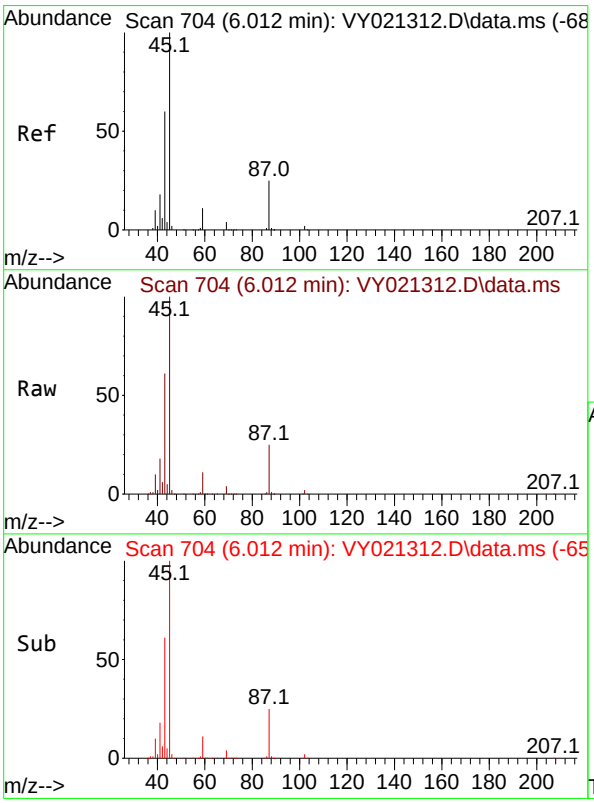
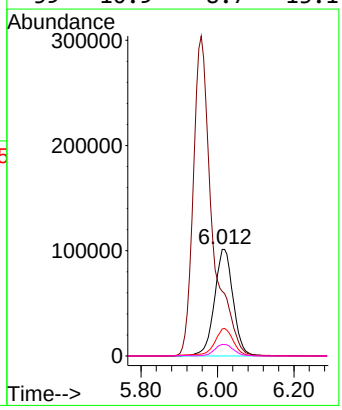
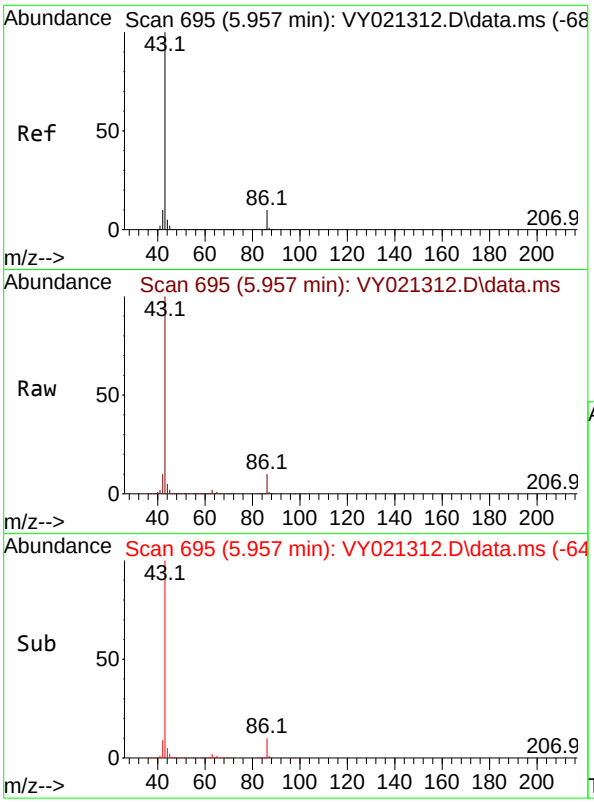


#22
Diisopropyl ether
Concen: 53.126 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 45 Resp: 343920

Ion	Ratio	Lower	Upper
45	100		
43	60.3	48.2	72.4
87	25.4	20.3	30.5
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 269.294 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 104176

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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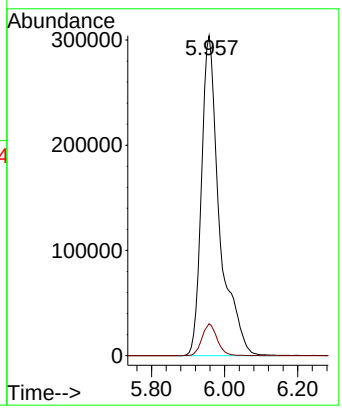
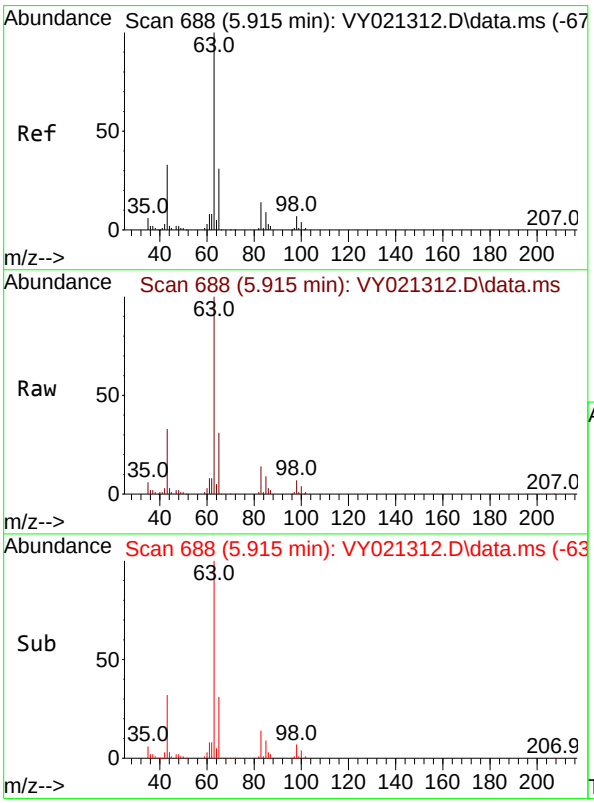
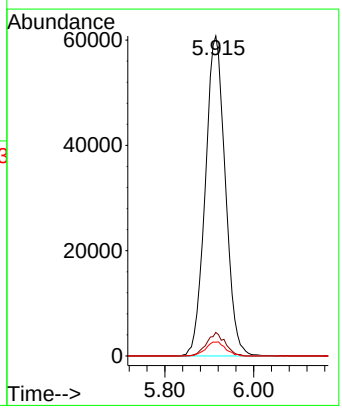


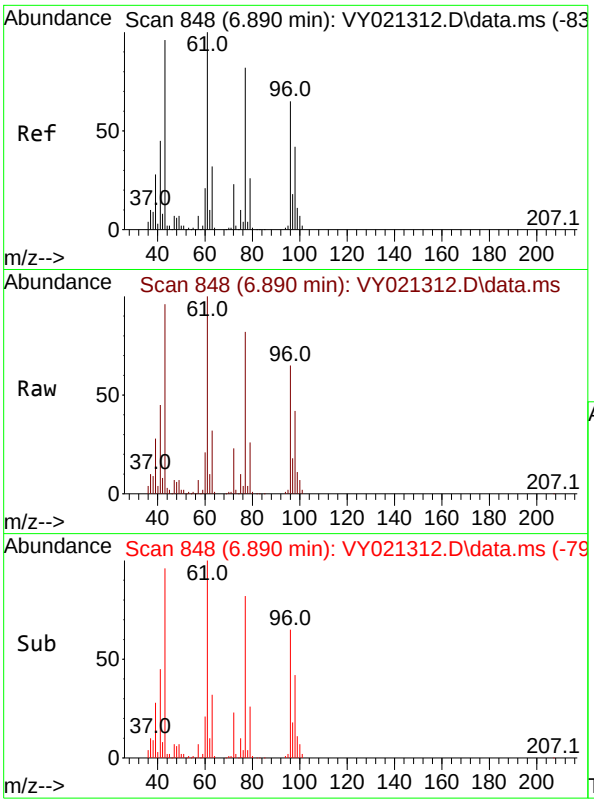


#24
1,1-Dichloroethane
Concen: 52.057 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 189943

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 278.240 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 16024

Ion	Ratio	Lower	Upper
43	100		
72	23.8	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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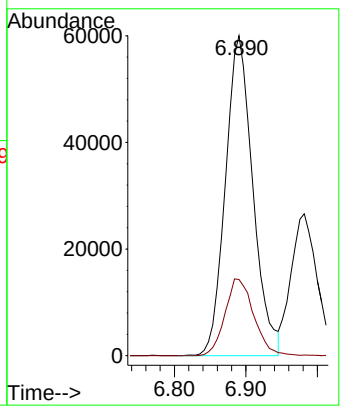
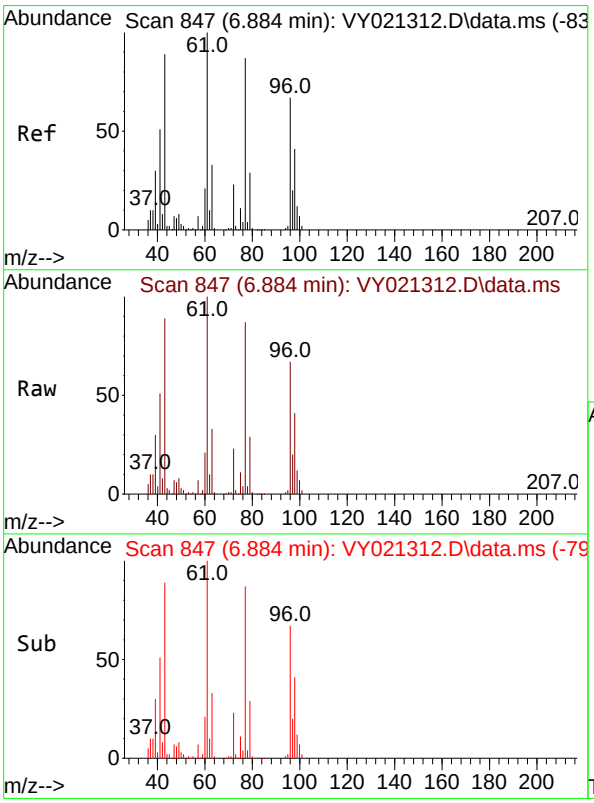
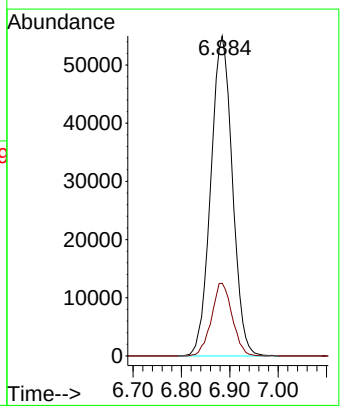


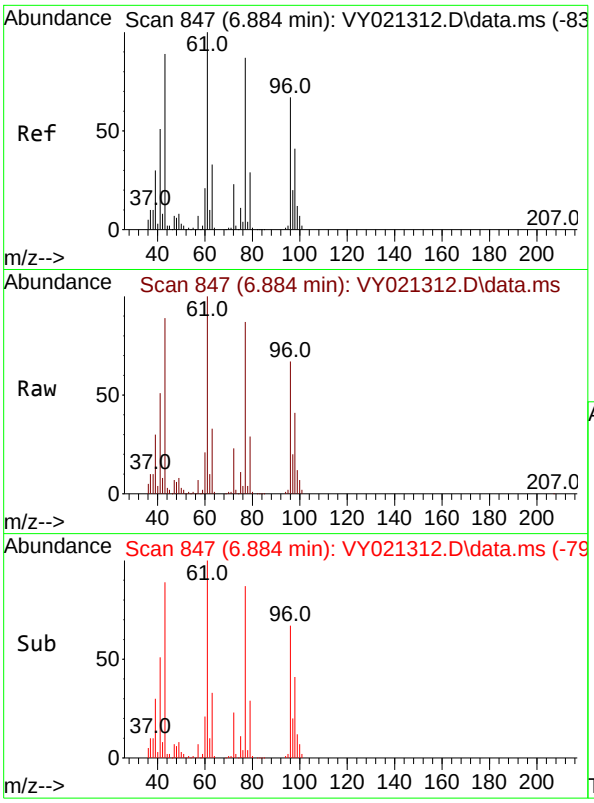


#26
2,2-Dichloropropane
Concen: 51.489 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 77 Resp: 170469

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

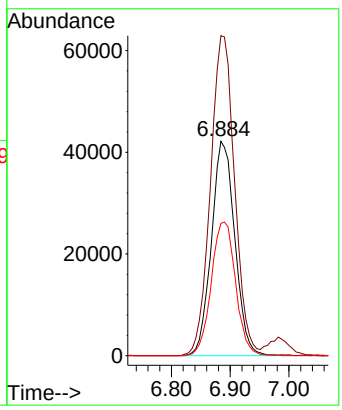




#27
cis-1,2-Dichloroethene
Concen: 52.579 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 11662

Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	308.0
98	64.8	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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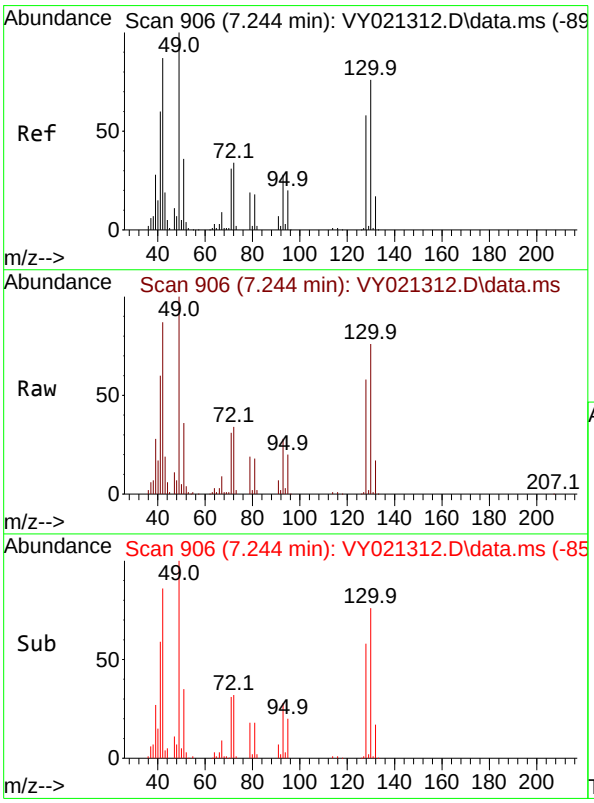
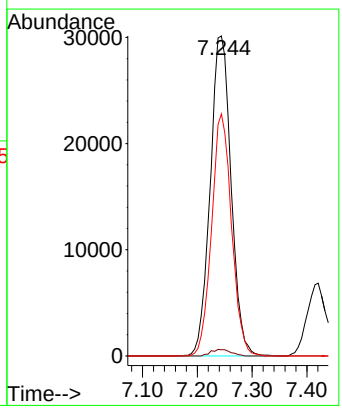
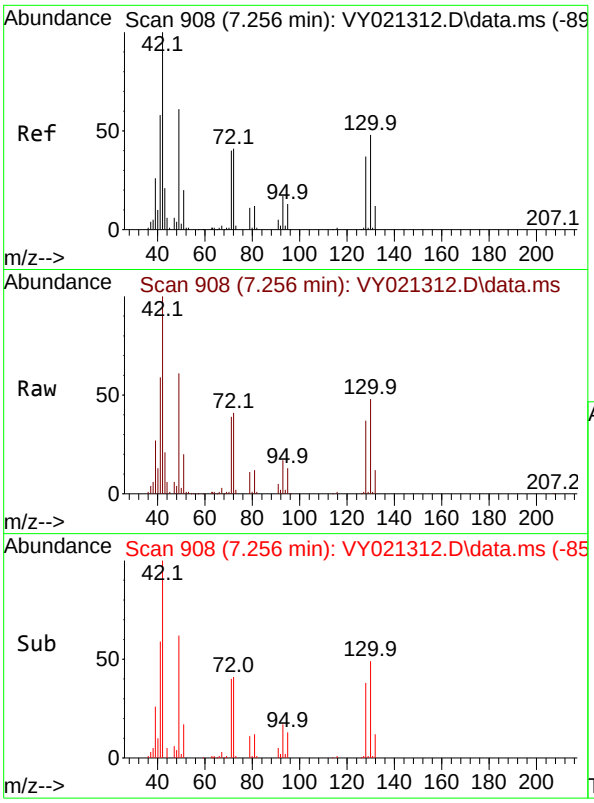


#28
Bromochloromethane
Concen: 49.352 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 49 Resp: 79678

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	72.2	57.8	86.6

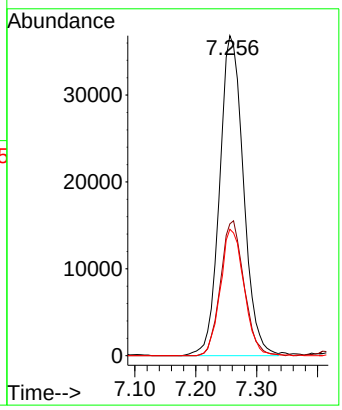




#29
Tetrahydrofuran
Concen: 266.741 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 42 Resp: 10041

Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.1	49.7
71	39.2	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Romaben Patel 02/26/2025
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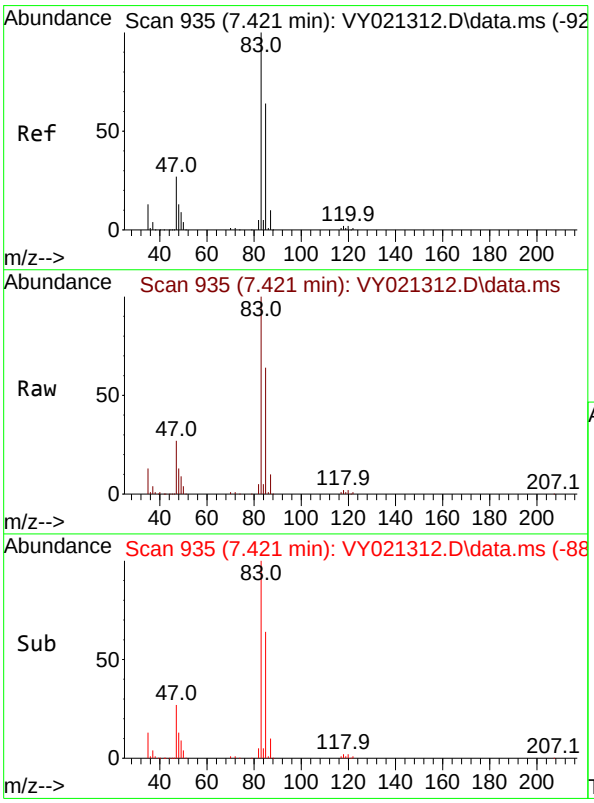
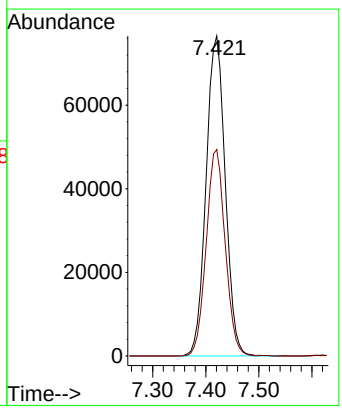
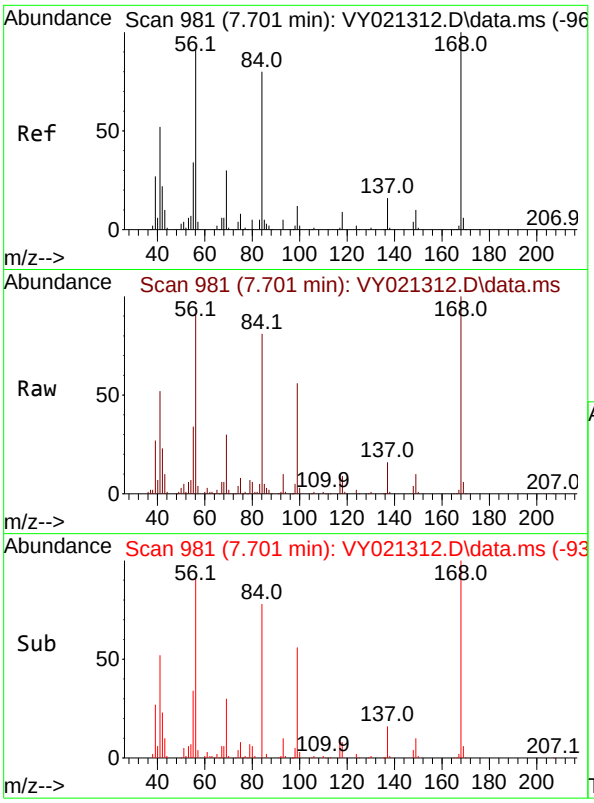


#30
Chloroform
Concen: 51.925 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 191980

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4

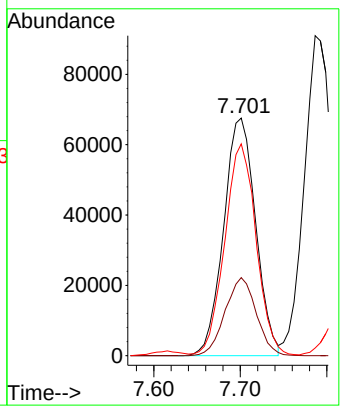




#31
Cyclohexane
Concen: 49.456 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 56 Resp: 17346

Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.4
84	87.8	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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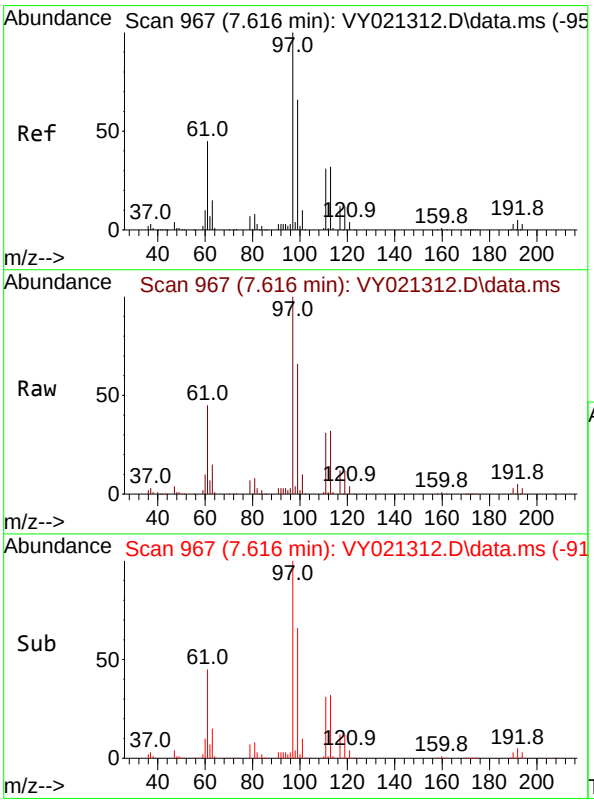
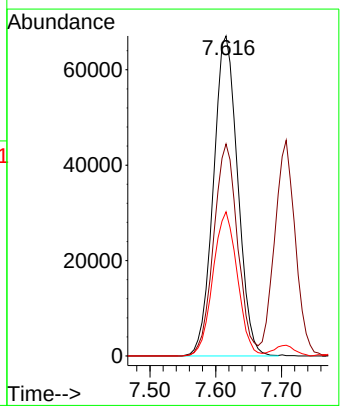
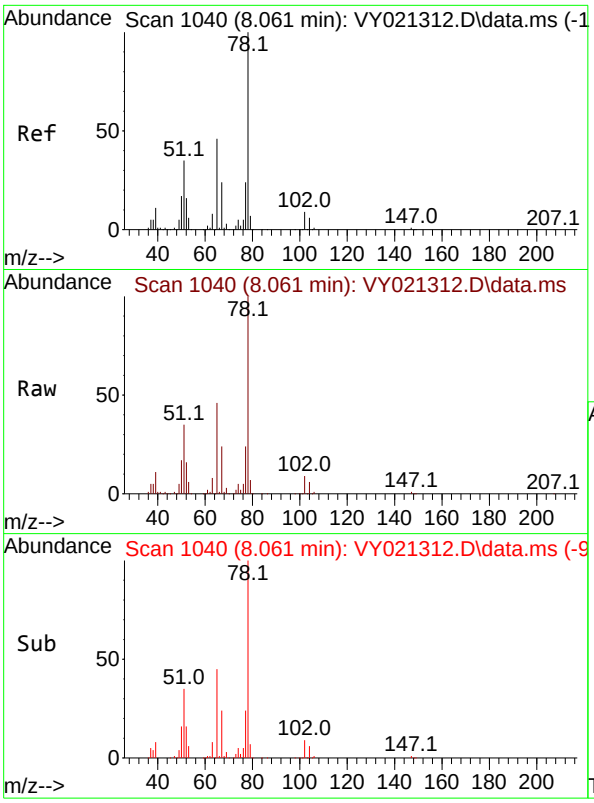


#32
1,1,1-Trichloroethane
Concen: 51.372 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 97 Resp: 172880

Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.4	78.6
61	45.2	36.2	54.2

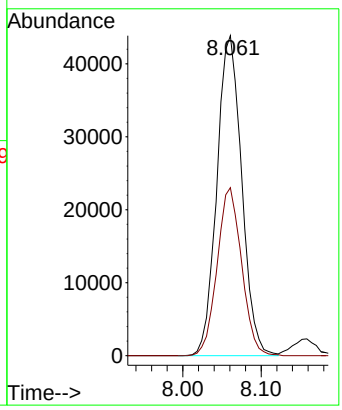




#33
1,2-Dichloroethane-d4
Concen: 48.606 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 65 Resp: 9669

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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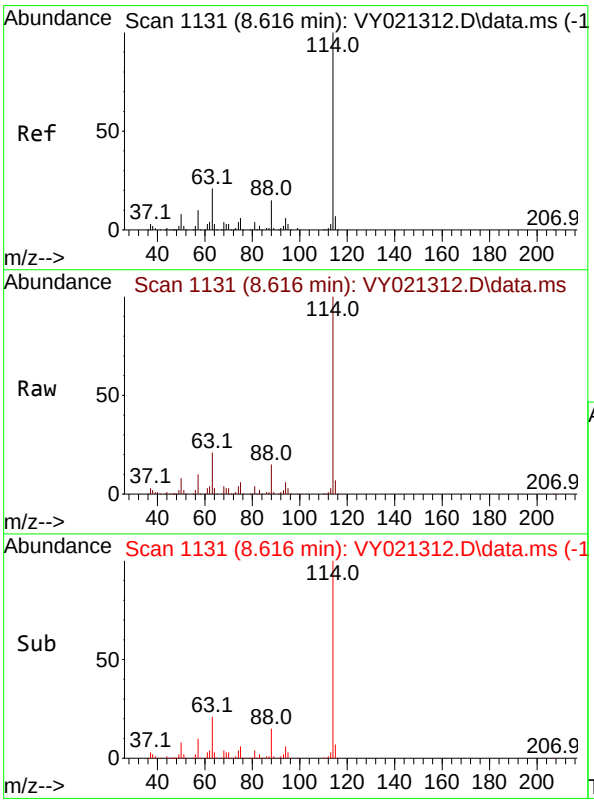
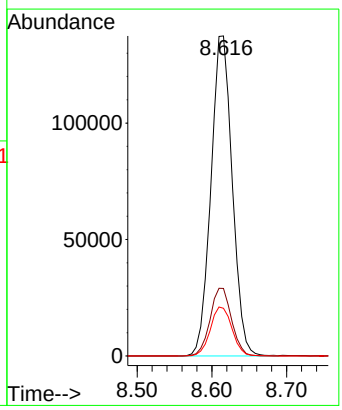
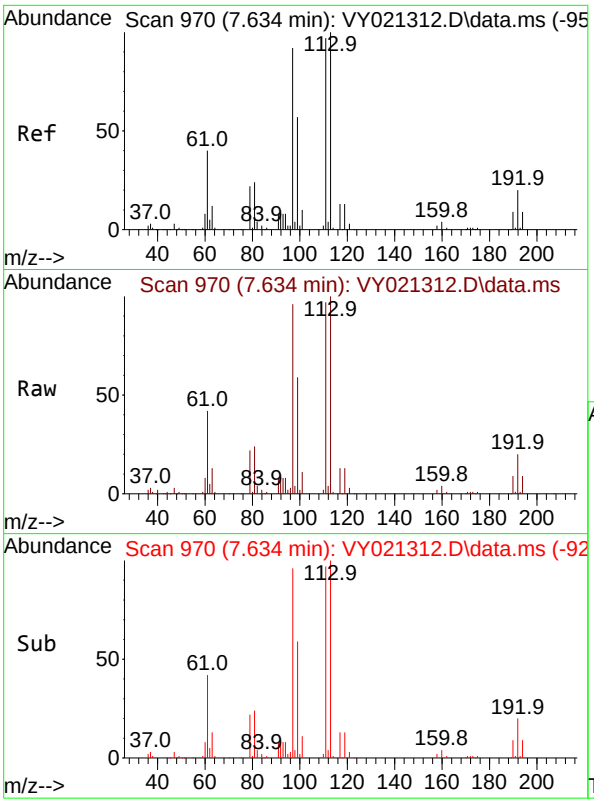


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:114 Resp: 272563

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.2
88	14.9	0.0	29.8

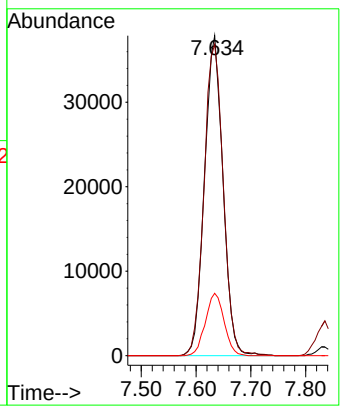




#35
Dibromofluoromethane
Concen: 49.533 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:113 Resp: 8851

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.0	121.6
192	19.8	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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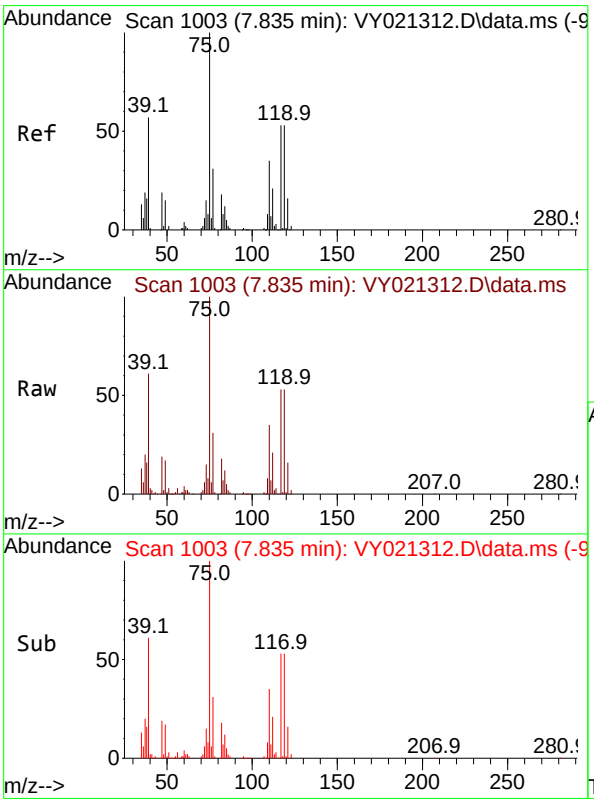
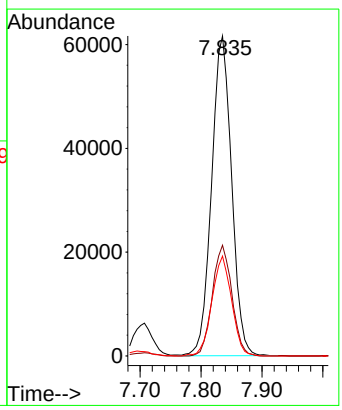
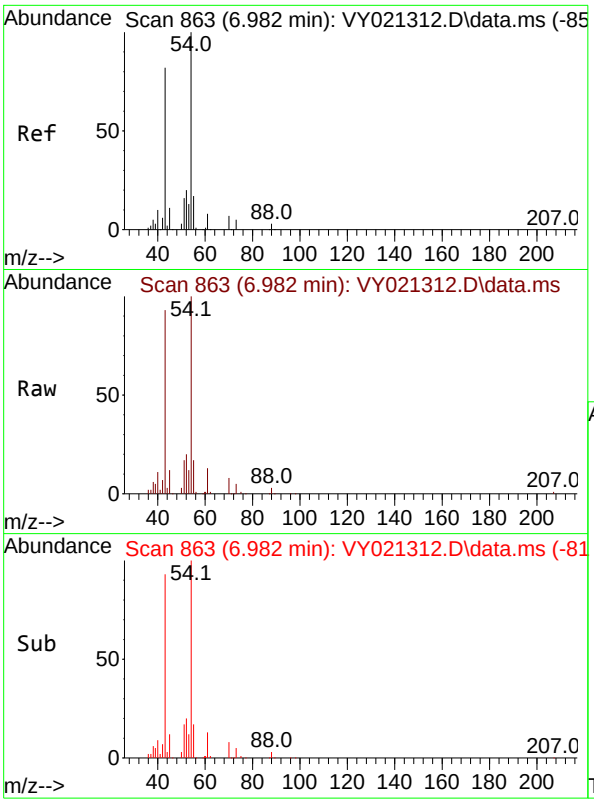


#36
1,1-Dichloropropene
Concen: 52.371 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 140574

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	30.7	24.6	36.8

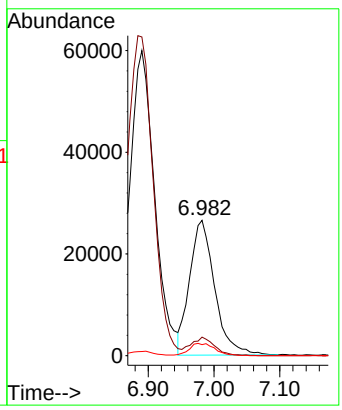




#37
Ethyl Acetate
Concen: 52.565 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 7018

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.4	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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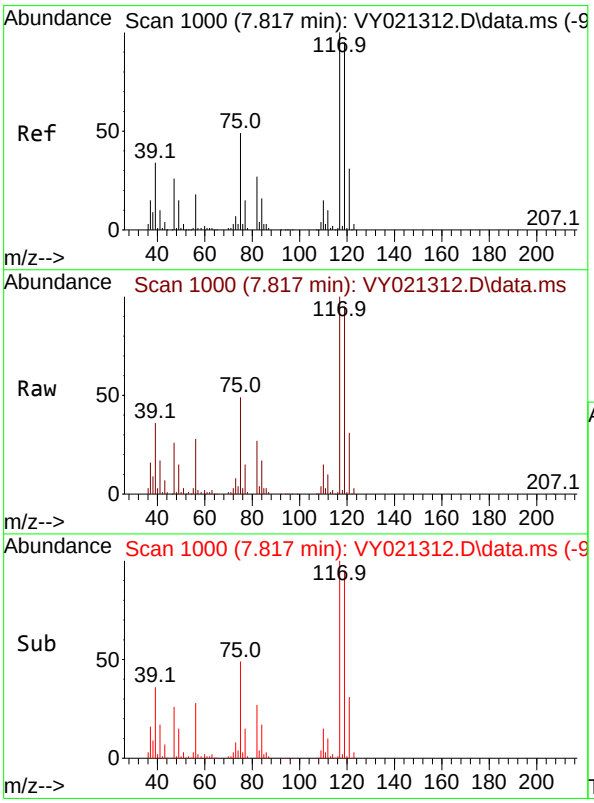
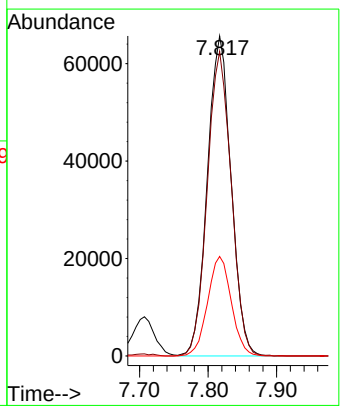
Supervised By :Mahesh Dadoda 02/26/2025

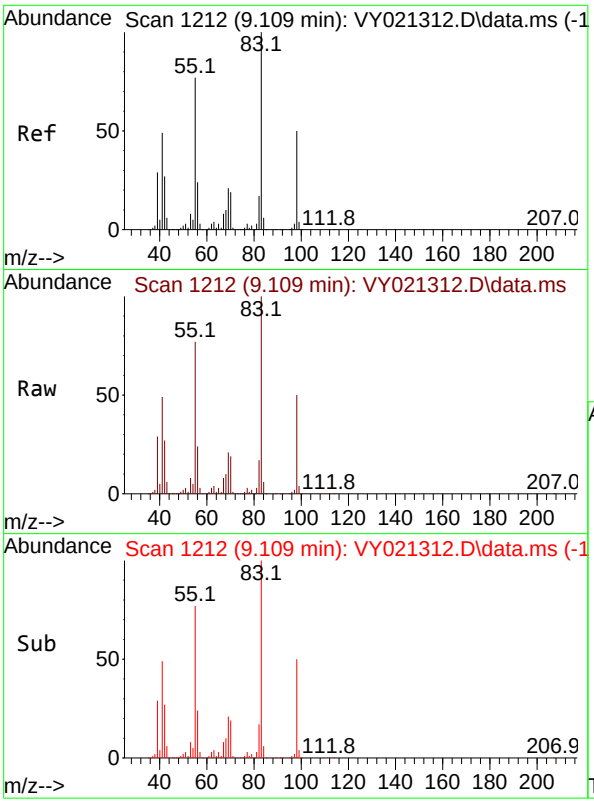


#38
Carbon Tetrachloride
Concen: 52.465 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 158319

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.0	114.0
121	31.1	24.9	37.3

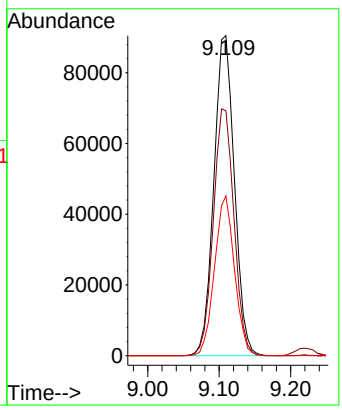




#39
Methylcyclohexane
Concen: 53.165 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 18049

Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	49.9	39.9	59.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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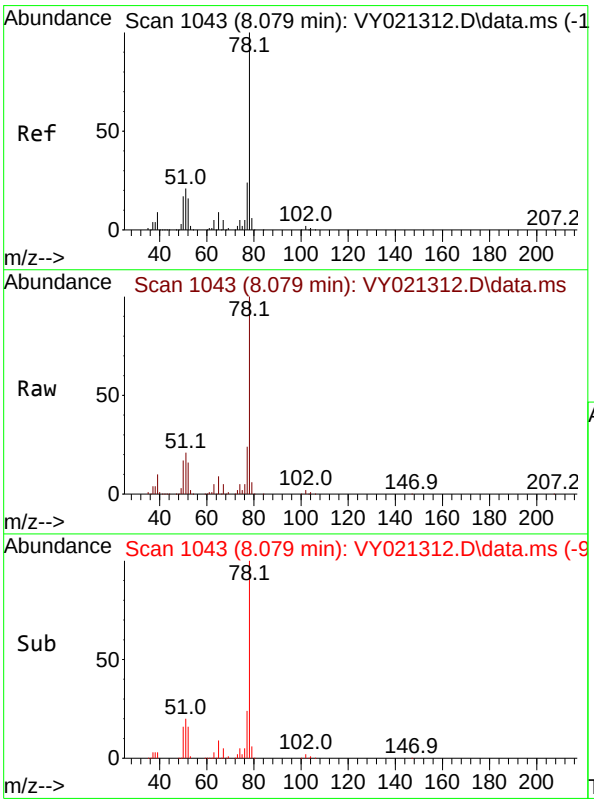
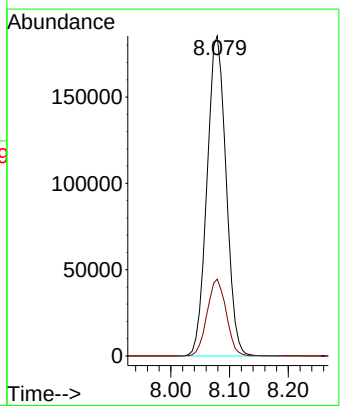
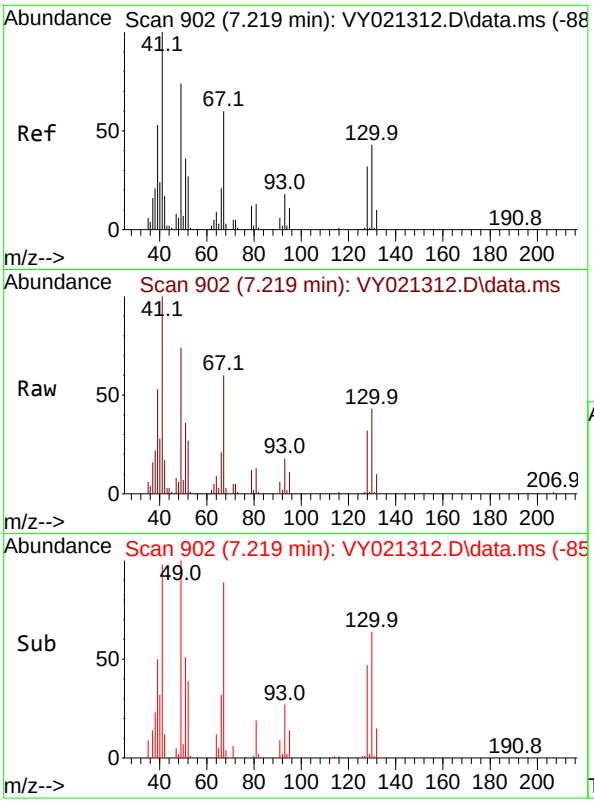


#40
Benzene
Concen: 52.655 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 78 Resp: 417798

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8

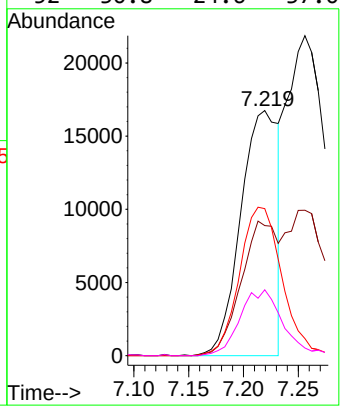




#41
Methacrylonitrile
Concen: 53.535 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 3996

Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.3	63.5
67	68.5	54.8	82.2
52	30.8	24.6	37.0



Instrument :
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ClientSampleId :
VSTDICCC050

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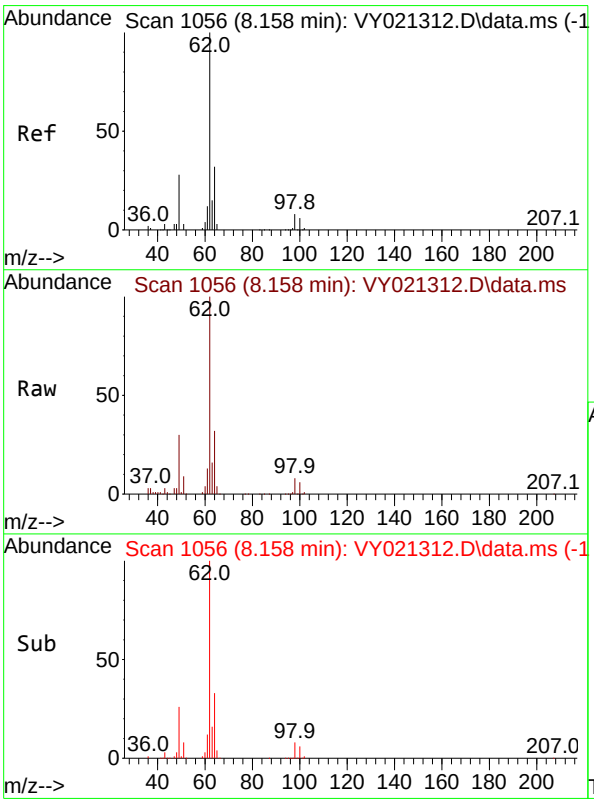
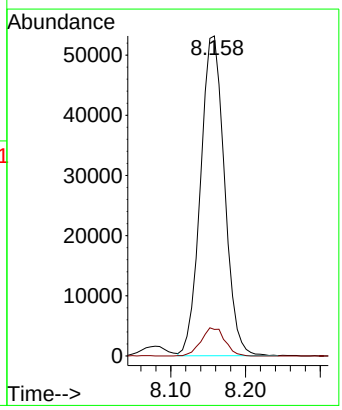
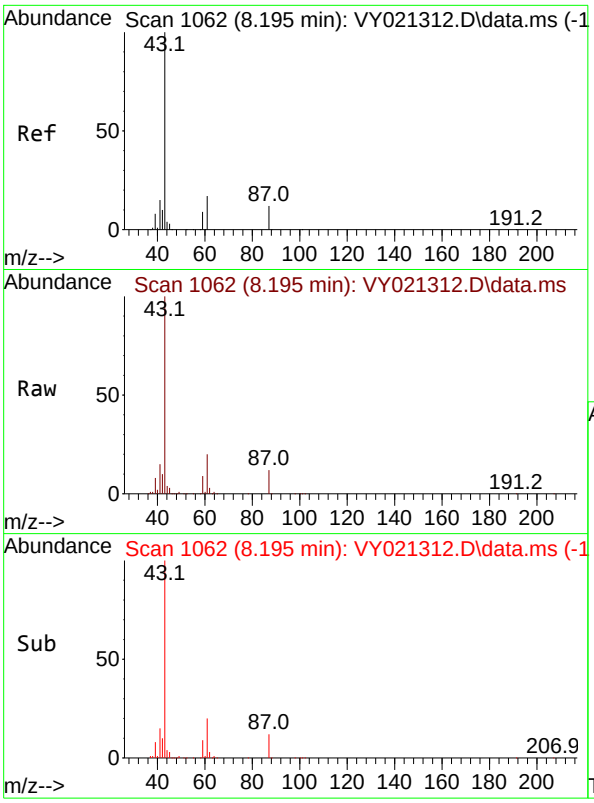


#42
1,2-Dichloroethane
Concen: 52.494 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 118176

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6

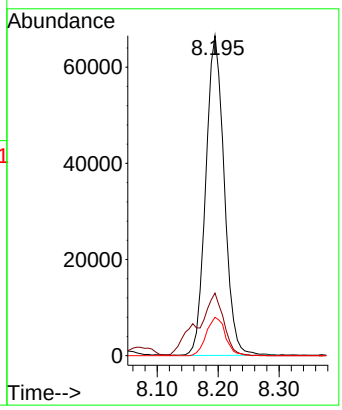




#43
Isopropyl Acetate
Concen: 54.106 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 13982

Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.0	22.6
87	12.5	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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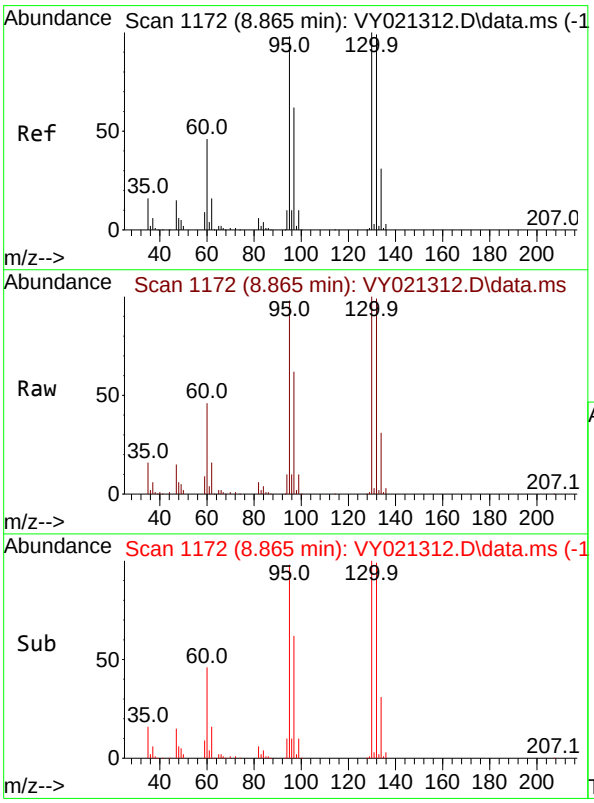
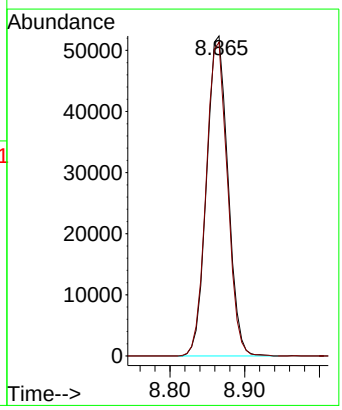
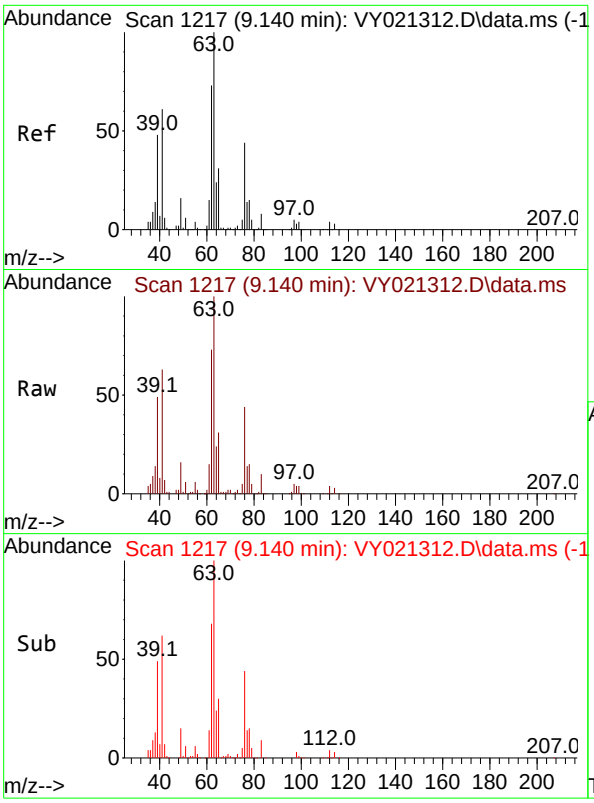


#44
Trichloroethene
Concen: 52.389 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:130 Resp: 104074

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	196.0

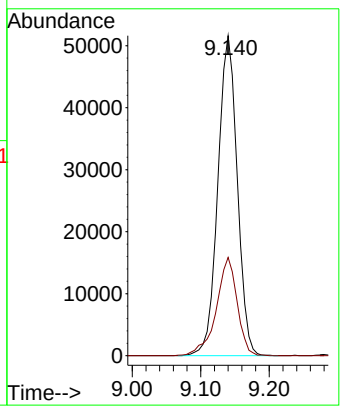




#45
1,2-Dichloropropane
Concen: 52.980 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 10116

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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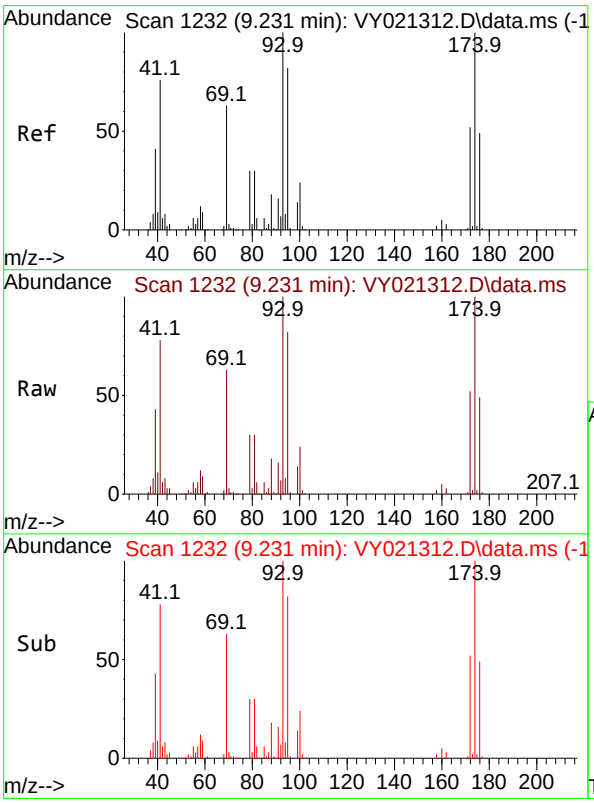
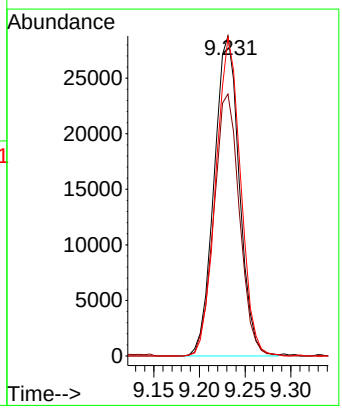
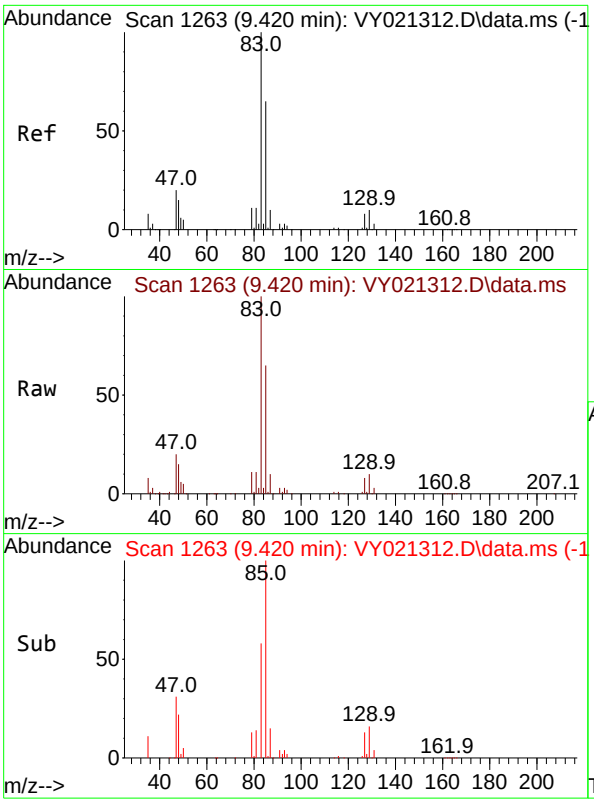


#46
Dibromomethane
Concen: 53.043 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 93 Resp: 55365

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	97.7	78.2	117.2

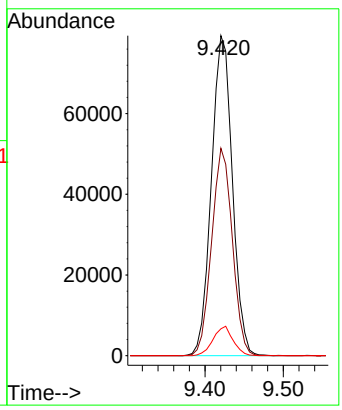




#47
Bromodichloromethane
Concen: 52.957 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 14738

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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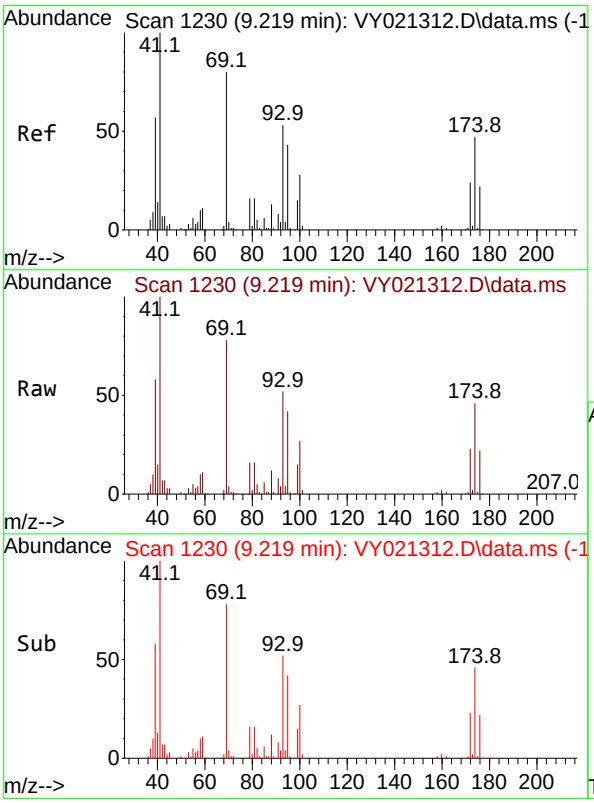
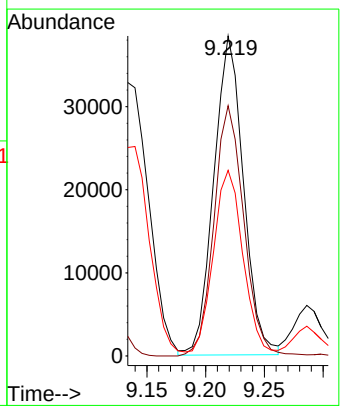
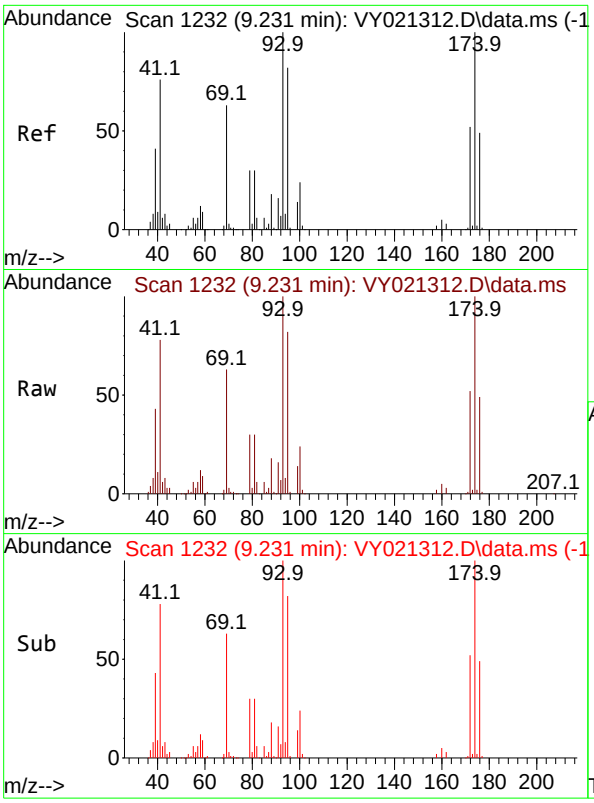


#48
Methyl methacrylate
Concen: 55.775 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 67406

Ion	Ratio	Lower	Upper
41	100		
69	79.1	63.3	94.9
39	56.3	45.0	67.6





#49
1,4-Dioxane
Concen: 1050.591 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 88 Resp: 1219

Ion	Ratio	Lower	Upper
88	100		
43	43.5	34.8	52.2
58	74.7	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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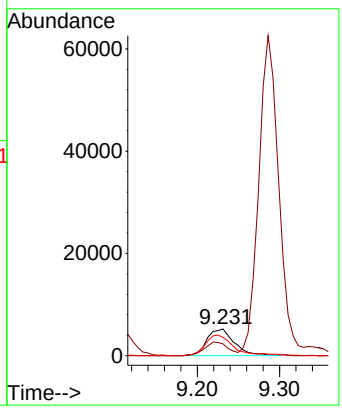
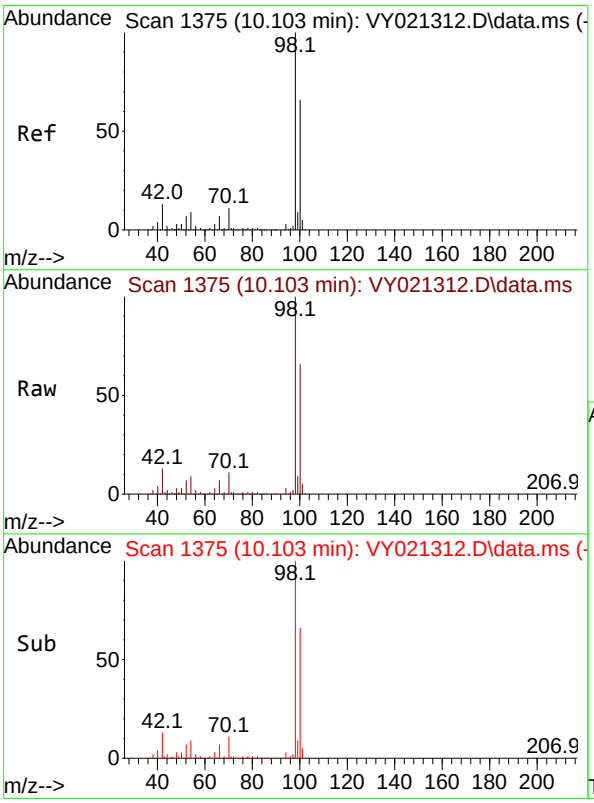
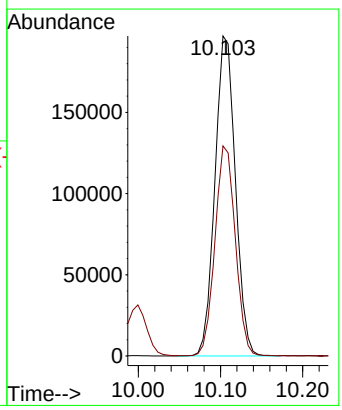


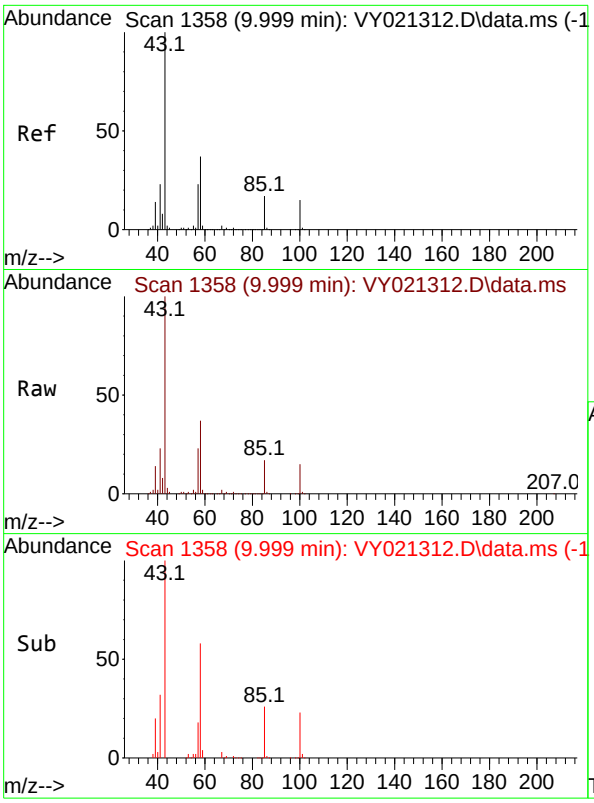


#50
Toluene-d8
Concen: 49.367 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 98 Resp: 340929

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6

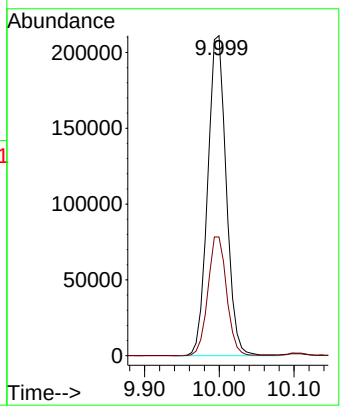




#51
4-Methyl-2-Pentanone
Concen: 275.485 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 36444

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.1	45.1



Instrument :
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ClientSampleId :
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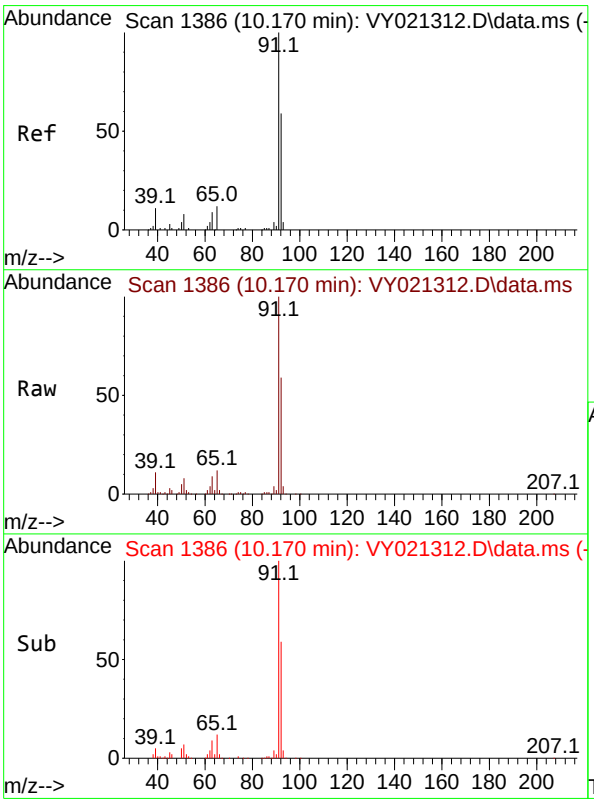
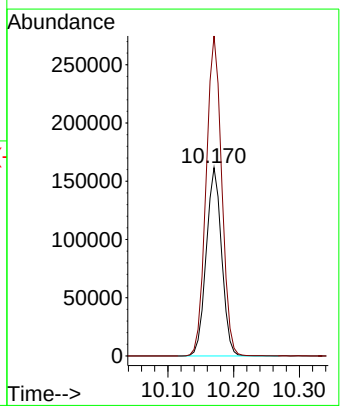
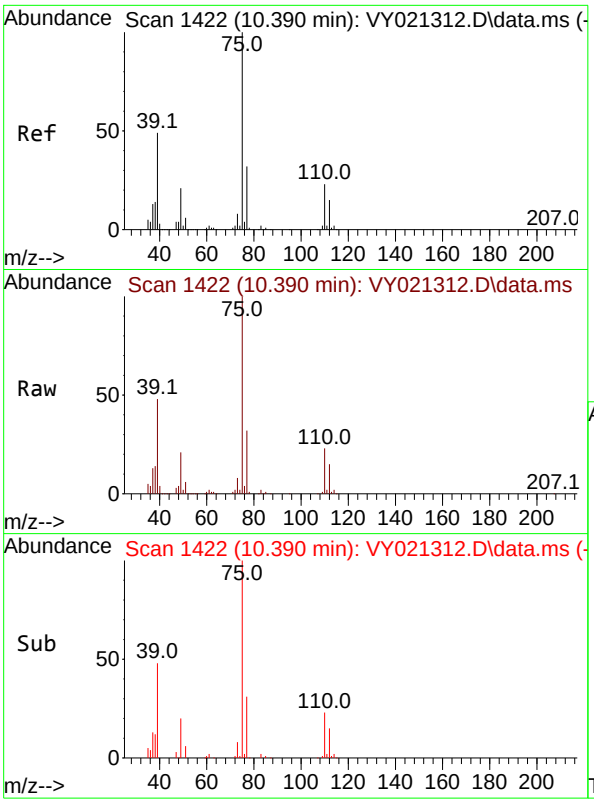


#52
Toluene
Concen: 53.367 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 92 Resp: 263062

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.8	206.8

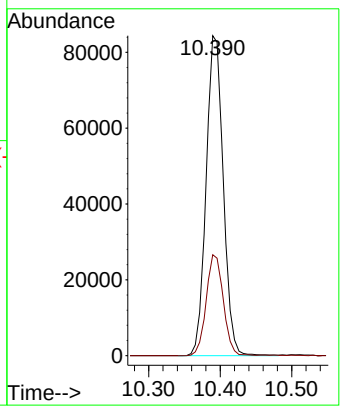




#53
t-1,3-Dichloropropene
Concen: 55.062 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 14039

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9



Instrument :
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ClientSampleId :
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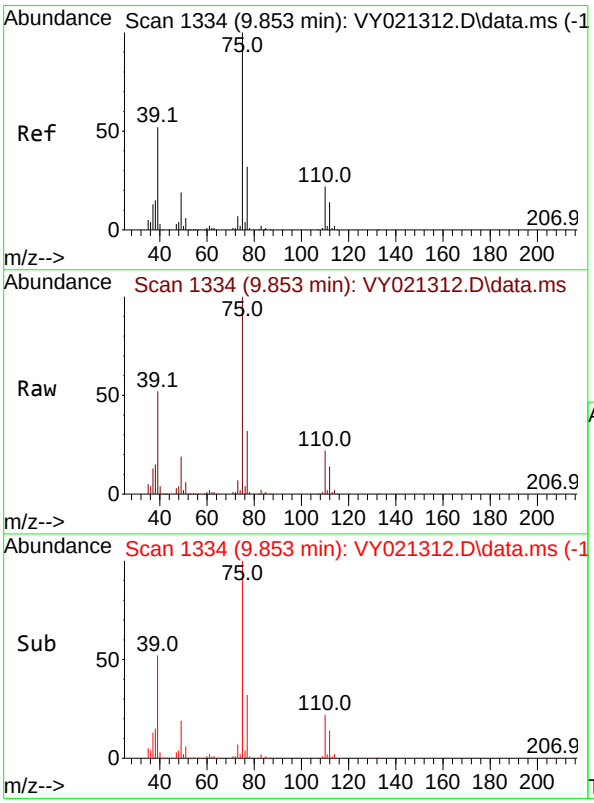
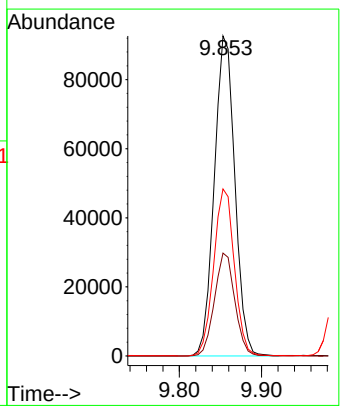
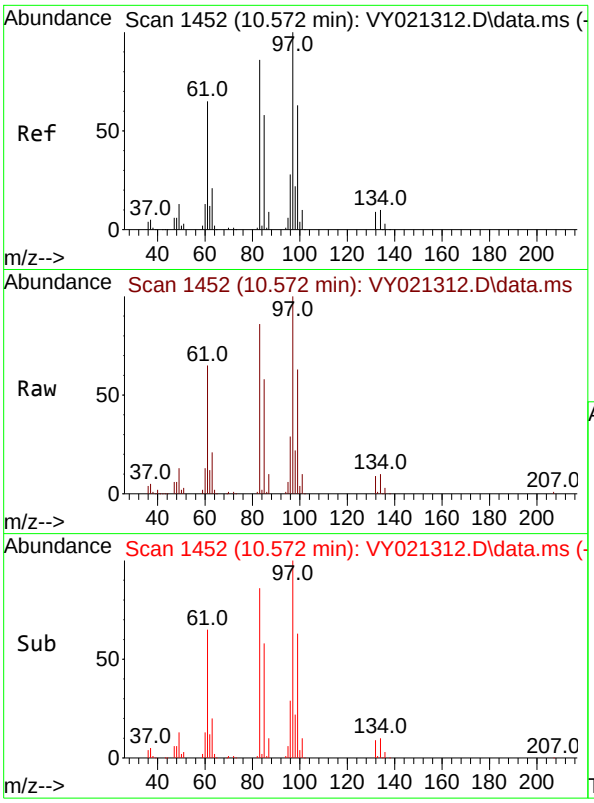


#54
cis-1,3-Dichloropropene
Concen: 53.492 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 161021

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
39	52.2	41.8	62.6

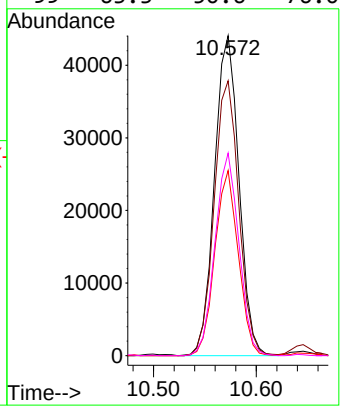




#55
1,1,2-Trichloroethane
Concen: 53.481 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 97 Resp: 7272

Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.7	103.1
85	57.9	46.3	69.5
99	63.3	50.6	76.0



Instrument :
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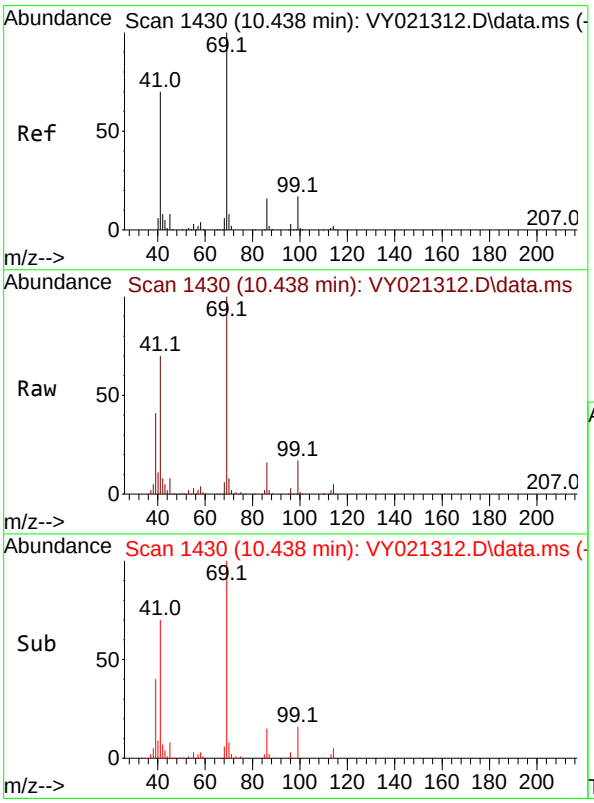
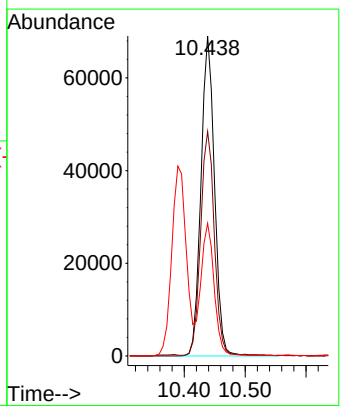
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

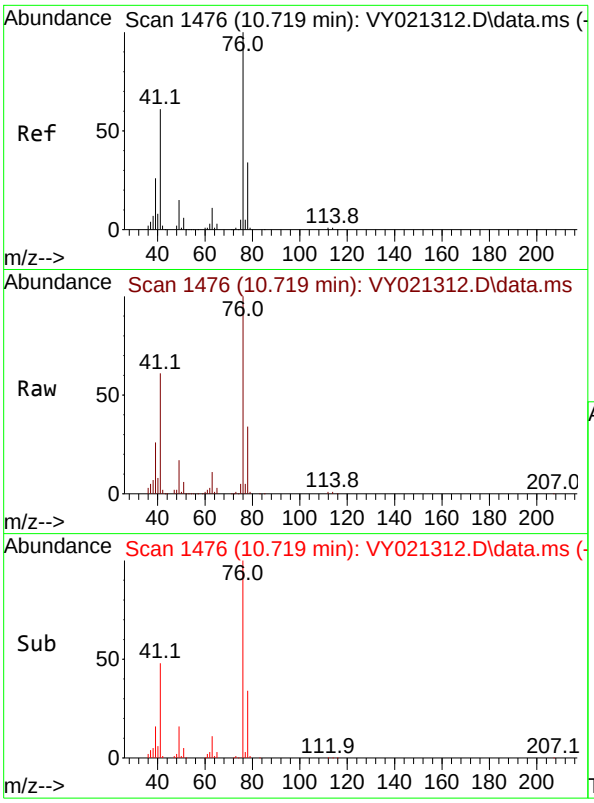


#56
Ethyl methacrylate
Concen: 56.904 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 69 Resp: 106914

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	40.9	32.7	49.1

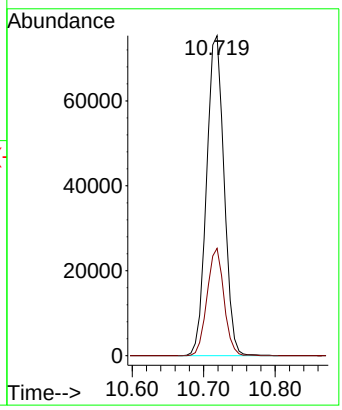




#57
1,3-Dichloropropane
Concen: 53.559 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 76 Resp: 12779

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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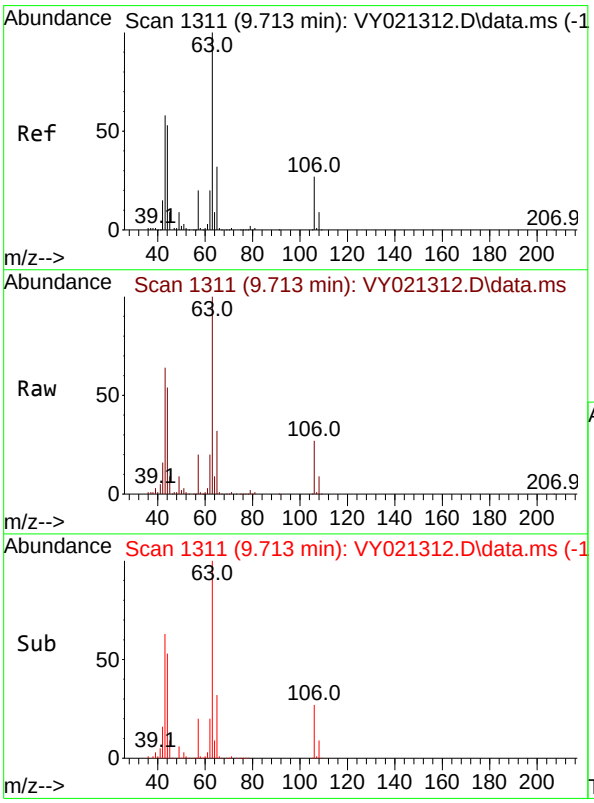
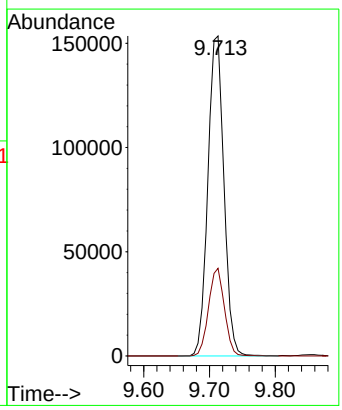
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

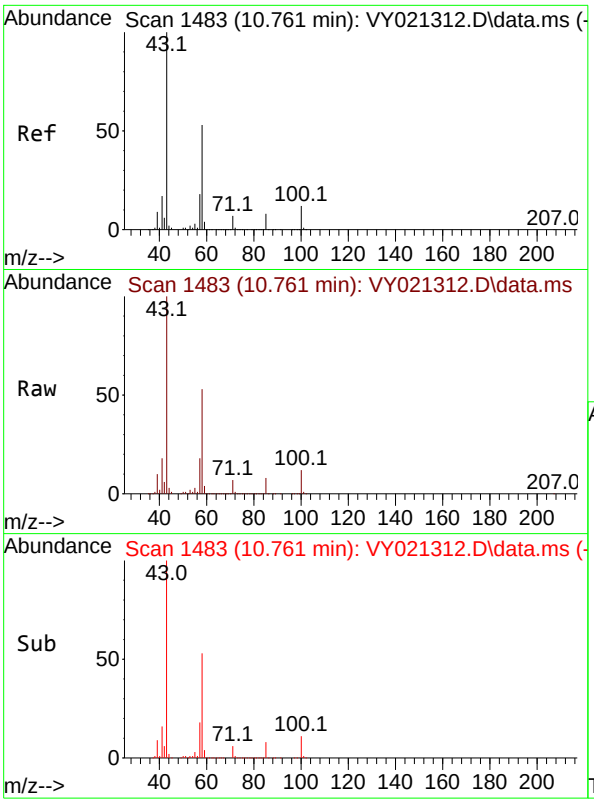


#58
2-Chloroethyl Vinyl ether
Concen: 289.104 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 260718

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5





#59
2-Hexanone
Concen: 287.258 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 24957

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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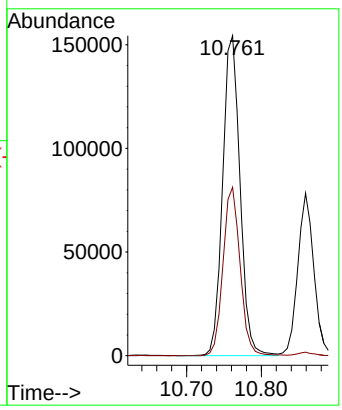
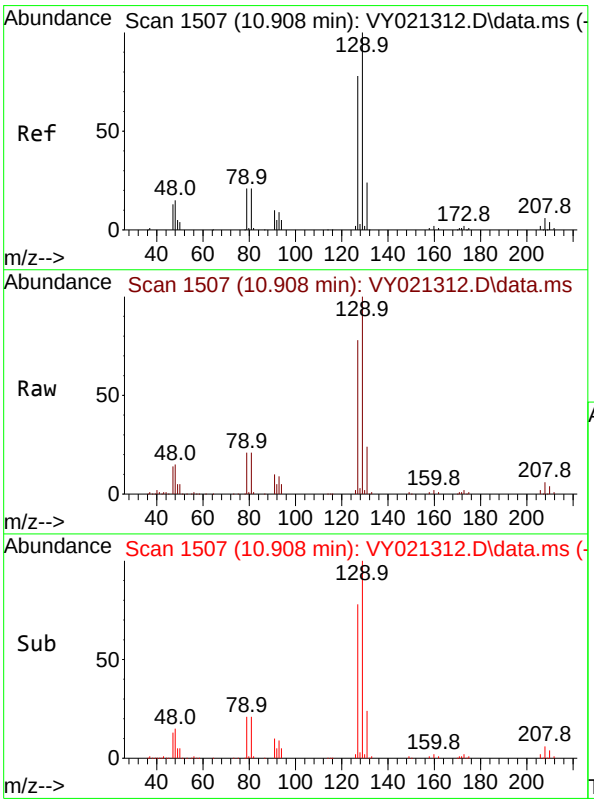
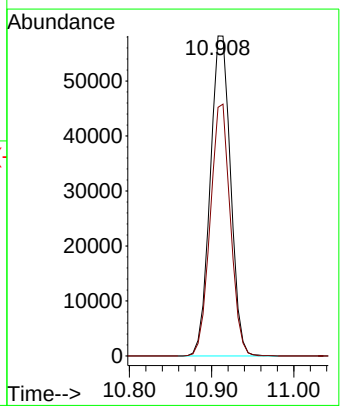


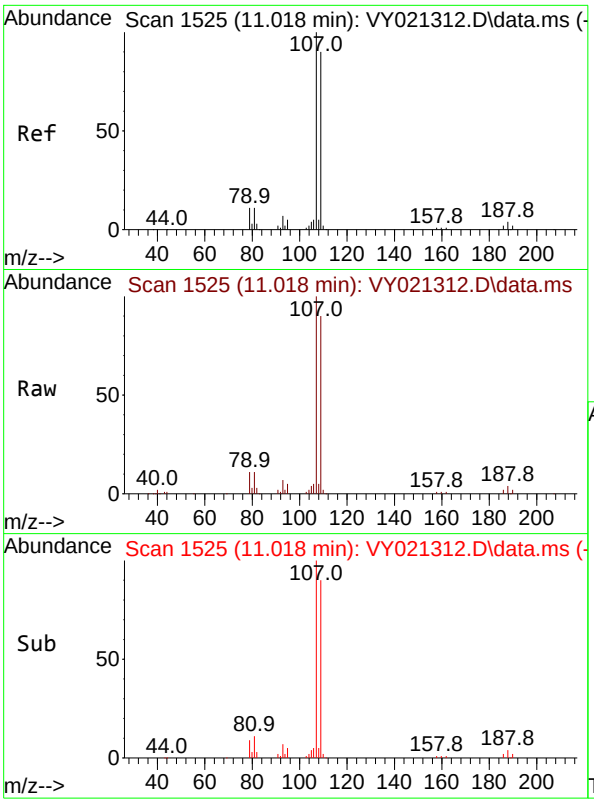


#60
Dibromochloromethane
Concen: 54.134 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:129 Resp: 100250

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4

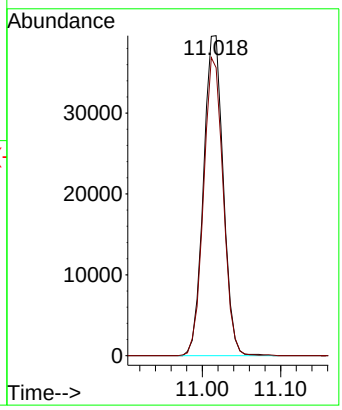




#61
1,2-Dibromoethane
Concen: 53.783 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:107 Resp: 6923

Ion	Ratio	Lower	Upper
107	100		
109	92.3	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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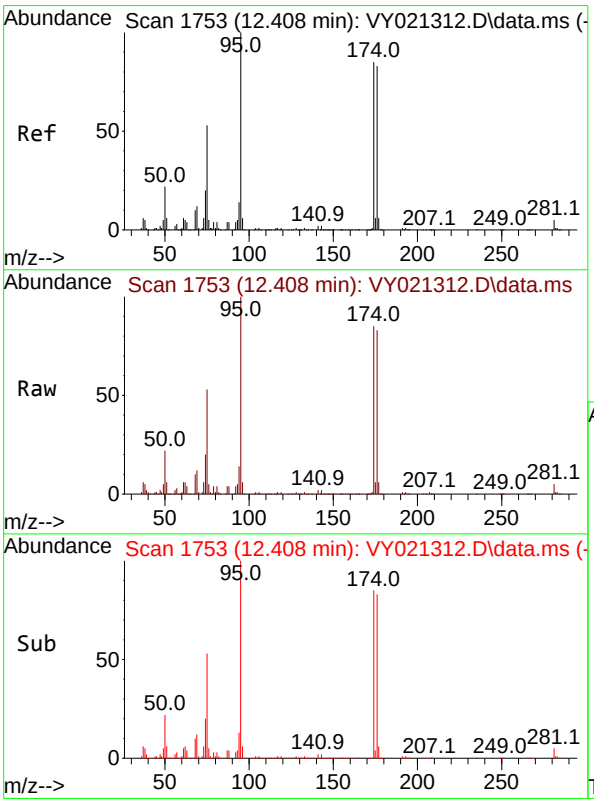
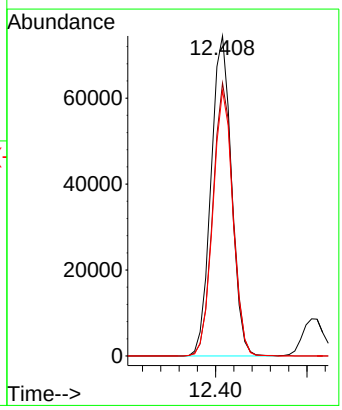
Supervised By :Mahesh Dadoda 02/26/2025

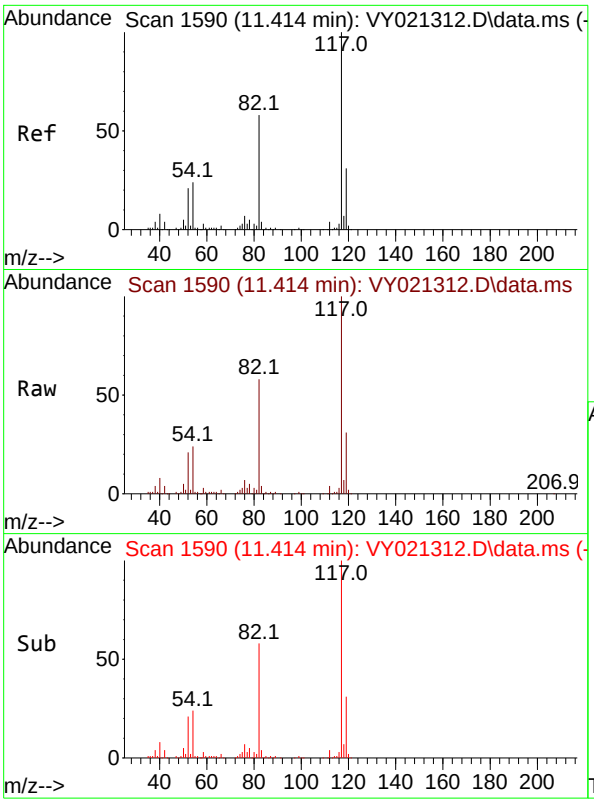


#62
4-Bromofluorobenzene
Concen: 49.652 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 95 Resp: 115401

Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	168.0
176	81.3	0.0	162.6

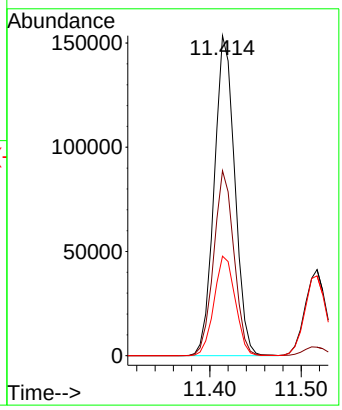




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 23972

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.2	69.4
119	31.1	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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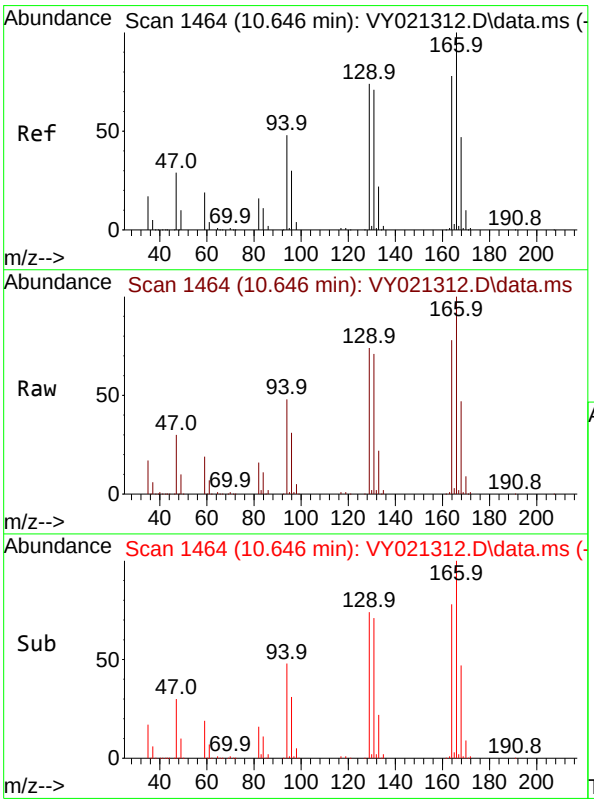
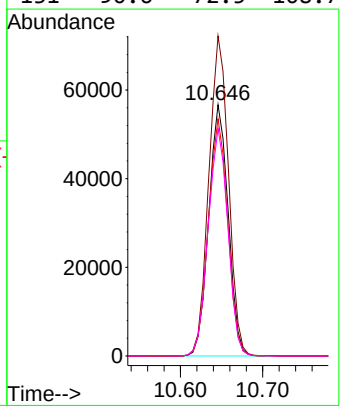
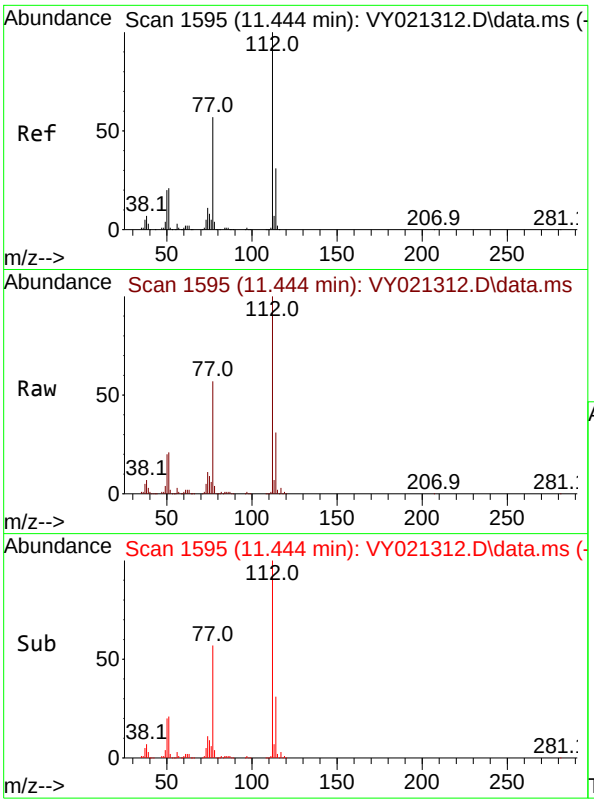


#64
Tetrachloroethene
Concen: 51.501 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:164 Resp: 93317

Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	94.4	75.5	113.3
131	90.6	72.5	108.7

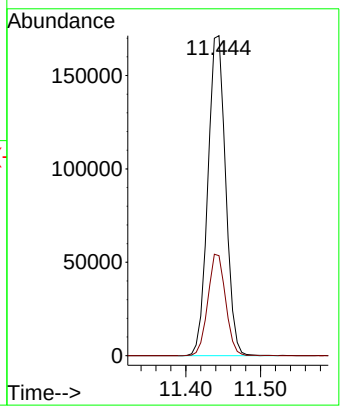




#65
Chlorobenzene
Concen: 52.390 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:112 Resp: 28191

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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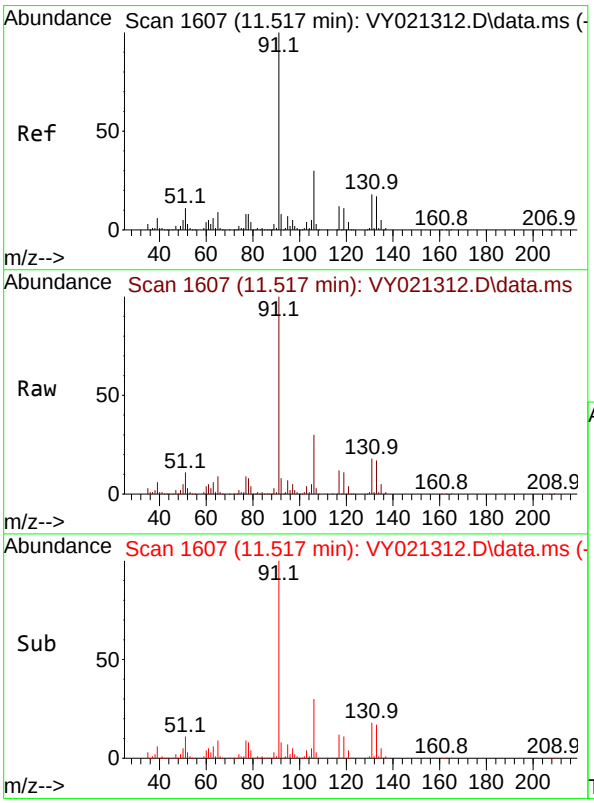
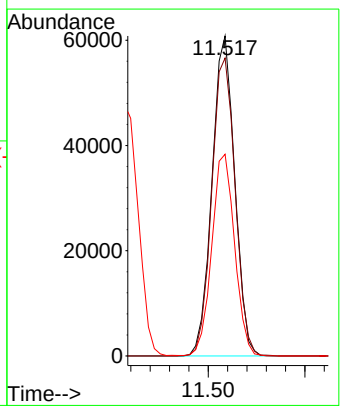
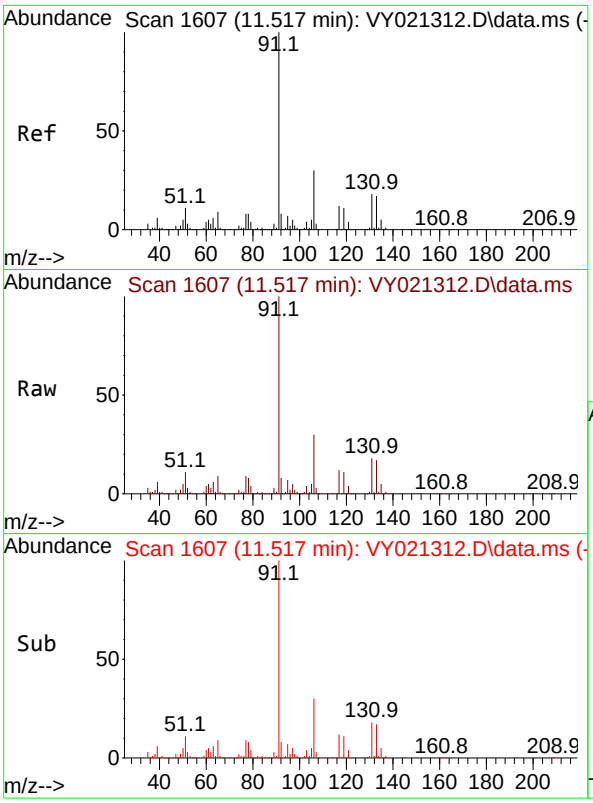


#66
1,1,1,2-Tetrachloroethane
Concen: 52.611 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:131 Resp: 99131

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.6
119	63.4	31.7	95.1

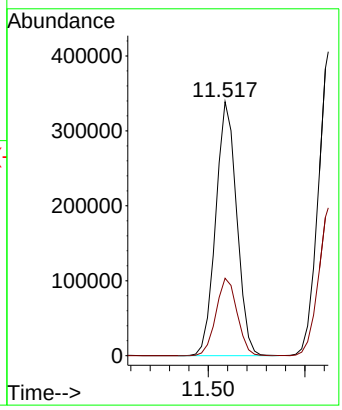




#67
Ethyl Benzene
Concen: 53.573 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 51063

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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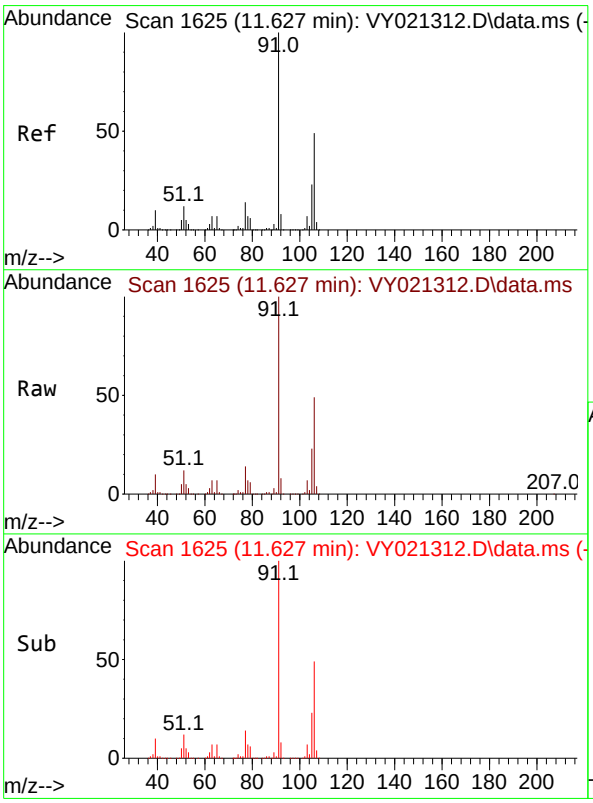
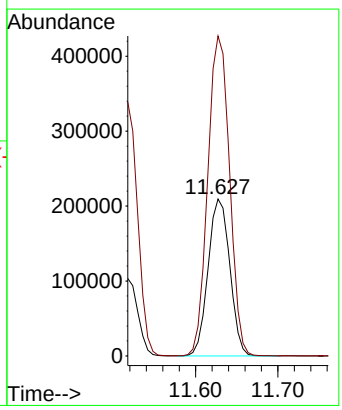
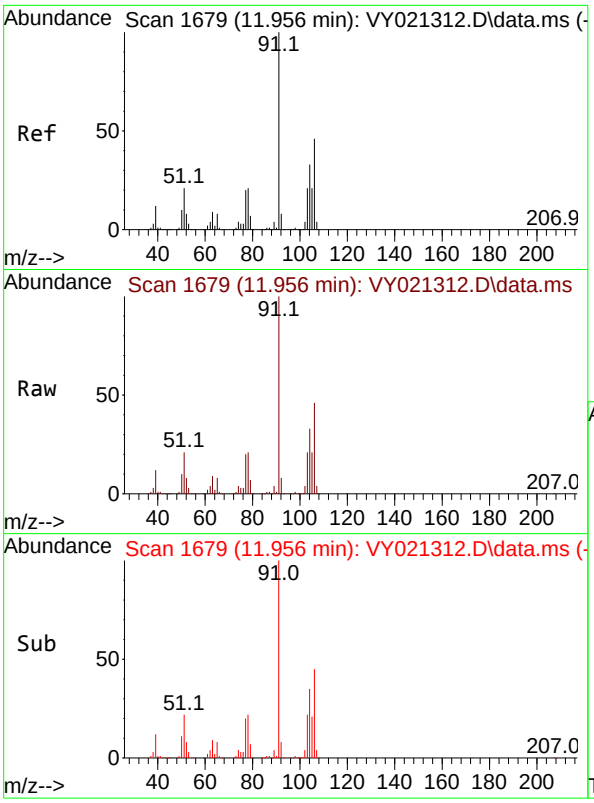


#68
m/p-Xylenes
Concen: 107.204 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:106 Resp: 384346

Ion	Ratio	Lower	Upper
106	100		
91	204.9	163.9	245.9





#69
o-Xylene
Concen: 54.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:106 Resp: 18172

Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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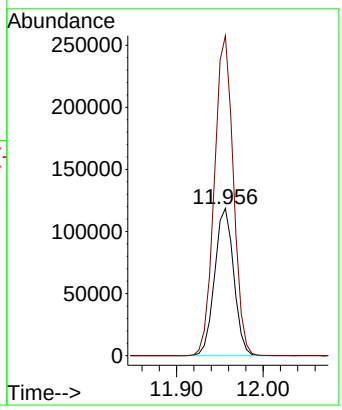
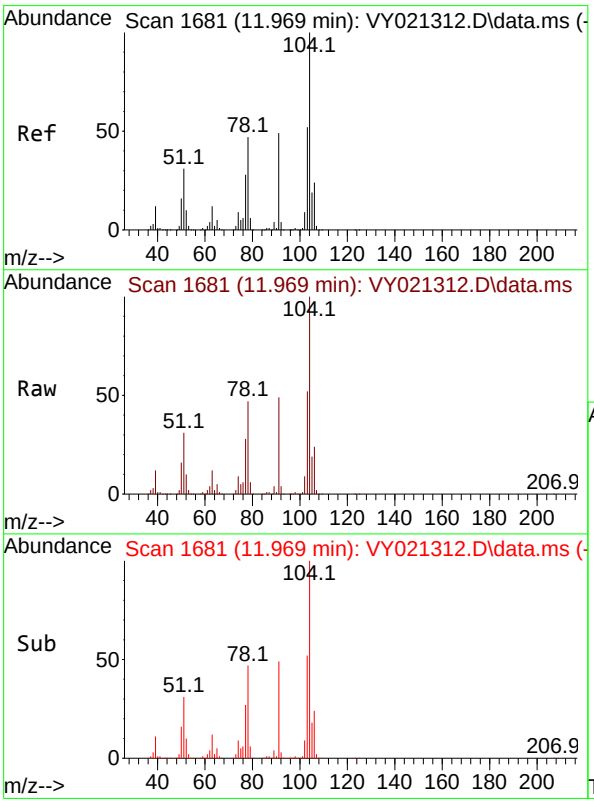
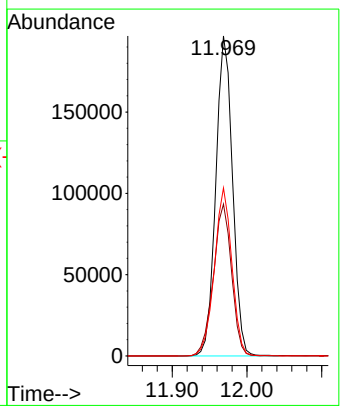


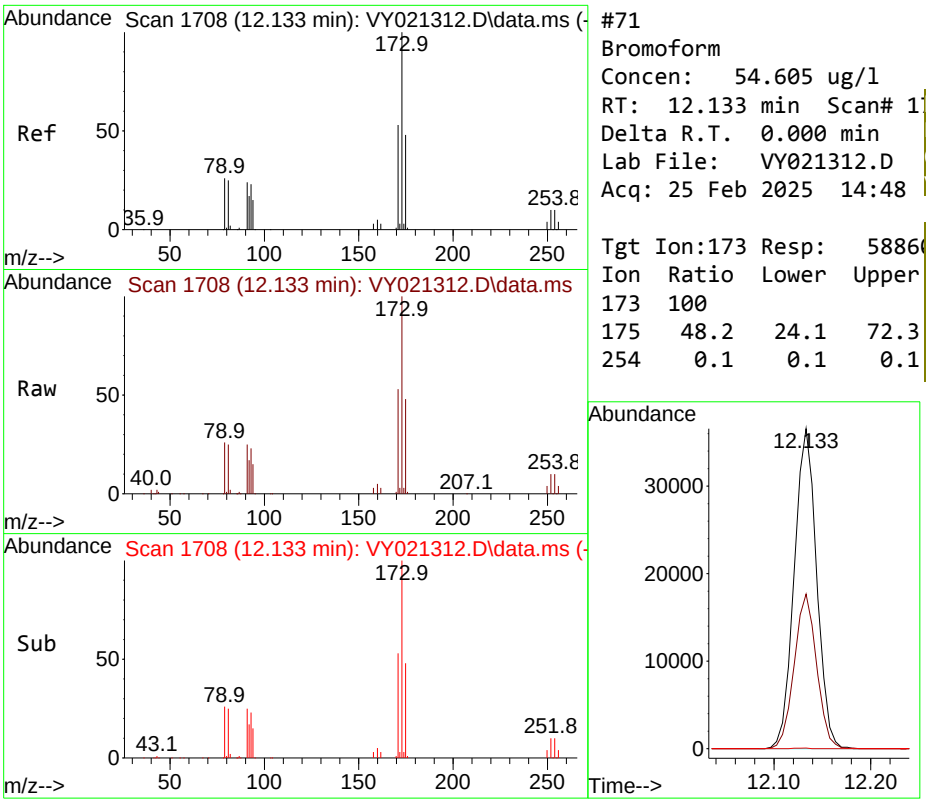


#70
Styrene
Concen: 54.760 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:104 Resp: 306007

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.3	61.9
103	54.9	43.9	65.9





#71
Bromoform
Concen: 54.605 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:173 Resp: 5886

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.3
254	0.1	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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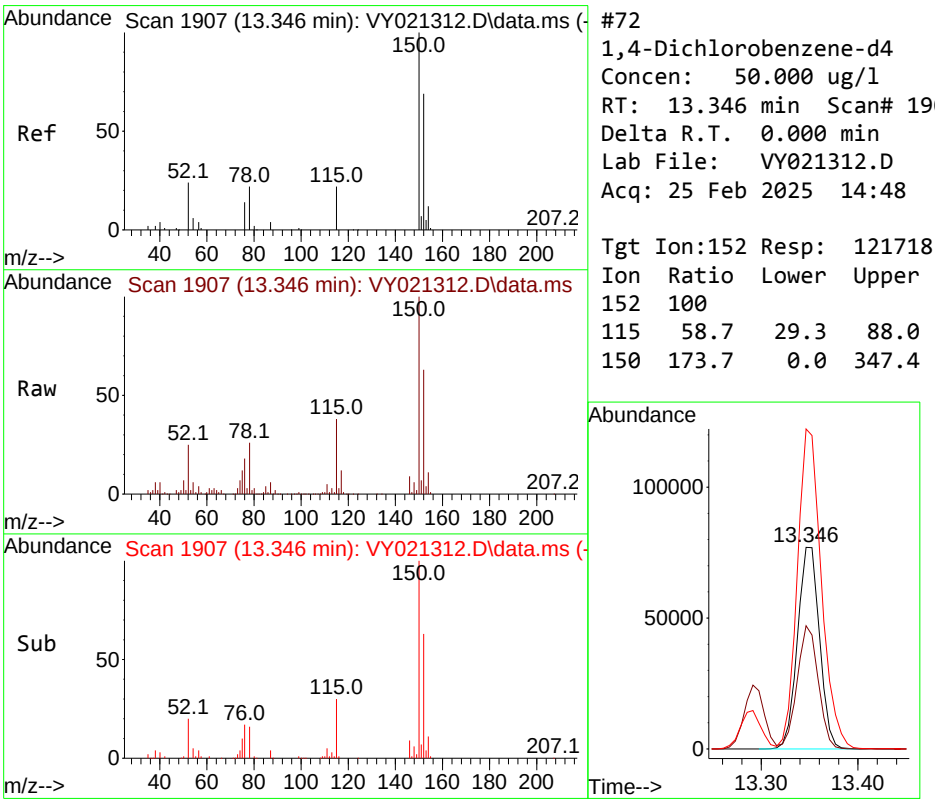
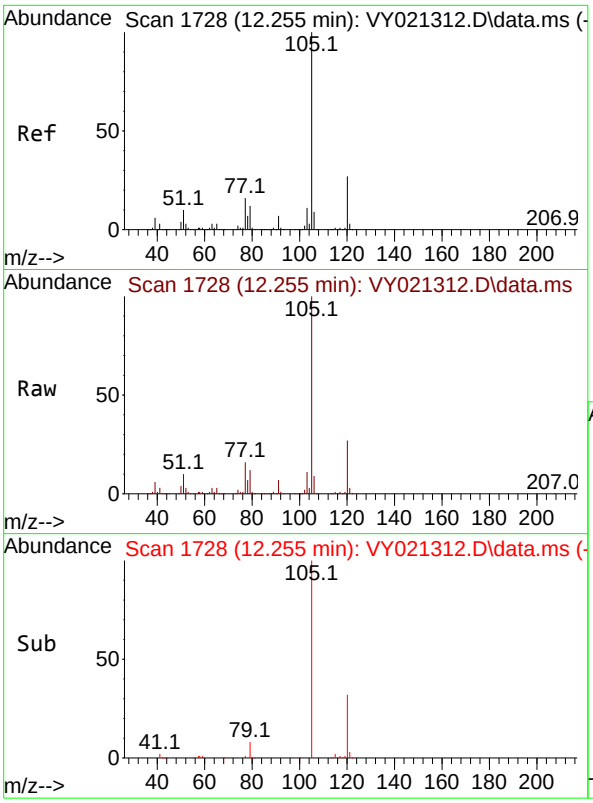


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:152 Resp: 121718

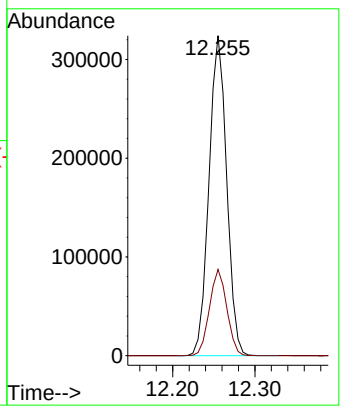
Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.3	88.0
150	173.7	0.0	347.4



#73
Isopropylbenzene
Concen: 52.885 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 48393

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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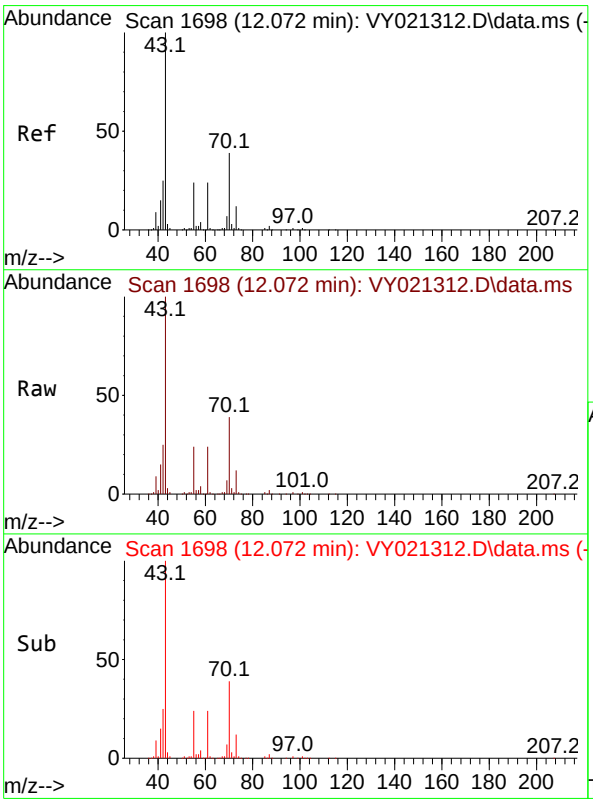
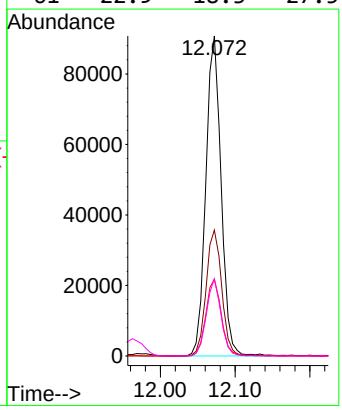
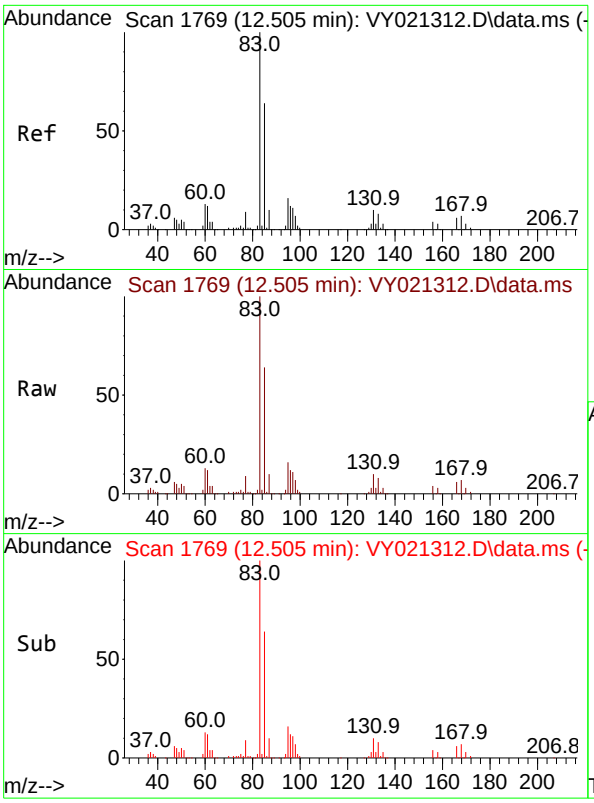


#74
N-amyl acetate
Concen: 55.471 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 129020

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	24.5	19.6	29.4
61	22.9	18.3	27.5

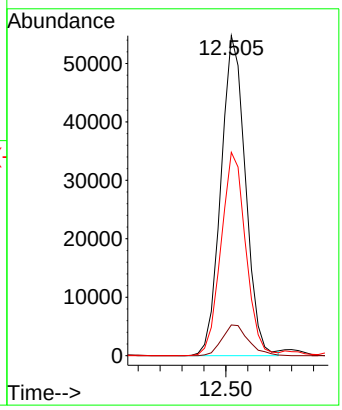




#75
1,1,2,2-Tetrachloroethane
Concen: 52.566 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 8489

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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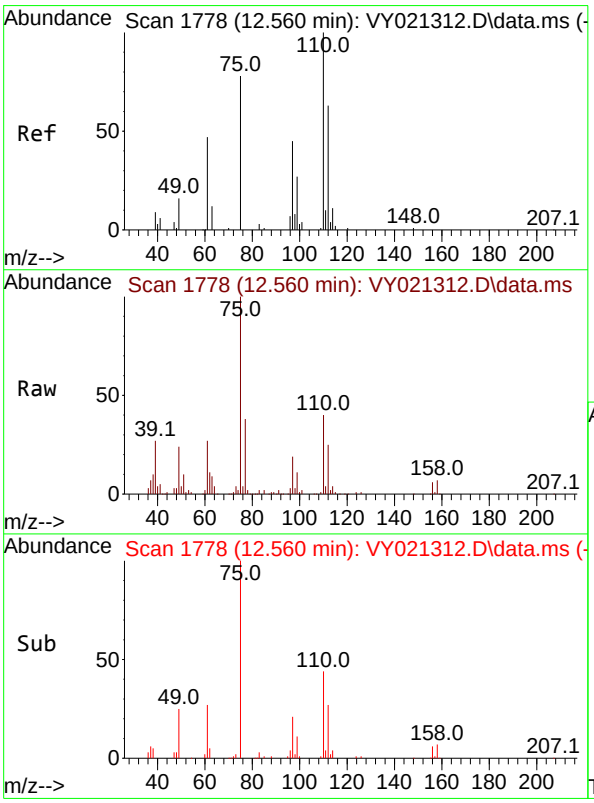
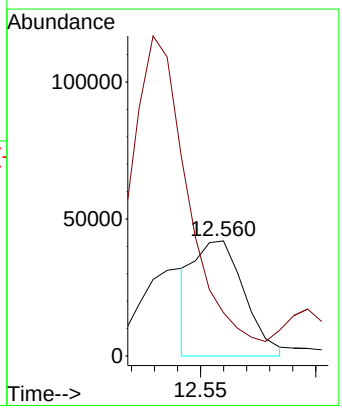
Supervised By :Mahesh Dadoda 02/26/2025

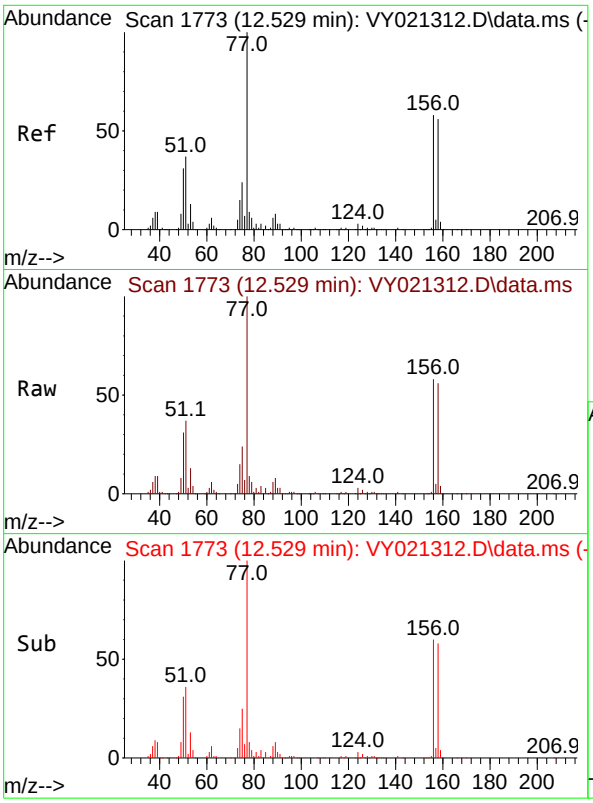


#76
1,2,3-Trichloropropane
Concen: 51.954 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 63683

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

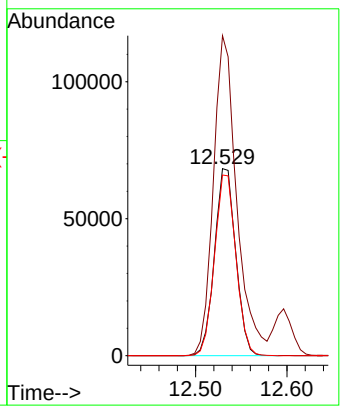




#77
Bromobenzene
Concen: 51.935 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:156 Resp: 11053

Ion	Ratio	Lower	Upper
156	100		
77	188.1	94.0	282.1
158	97.4	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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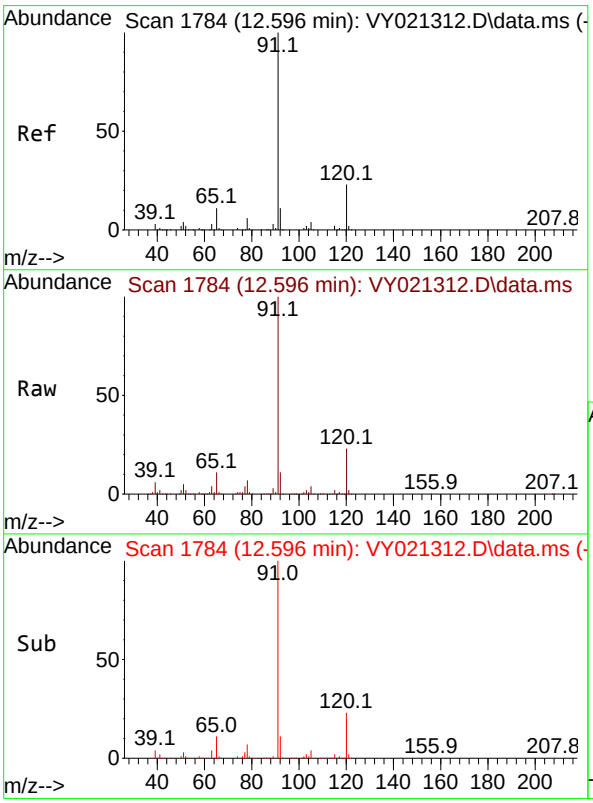
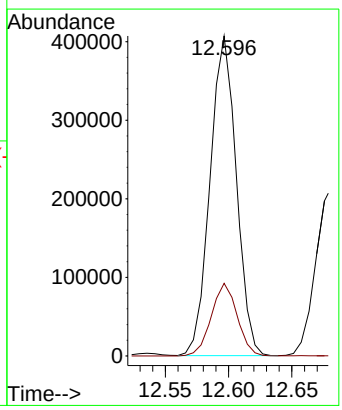
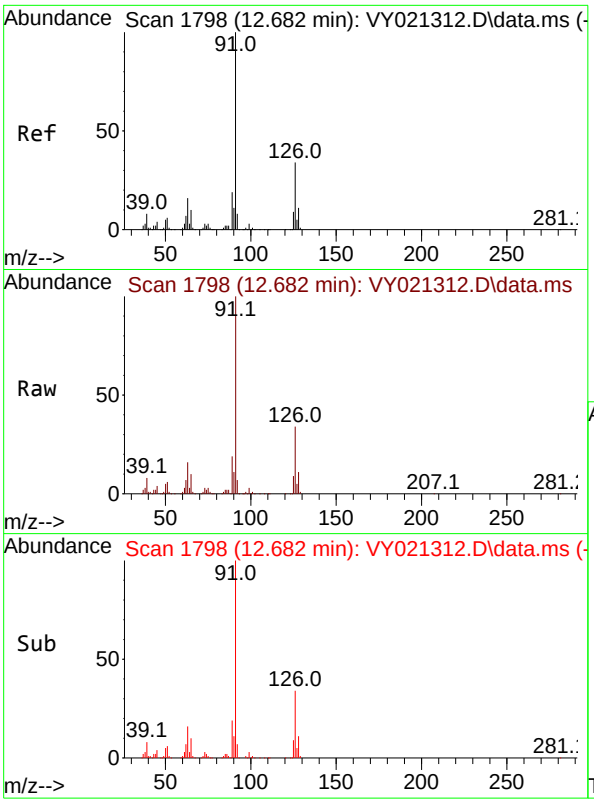


#78
n-propylbenzene
Concen: 52.946 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 587915

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5

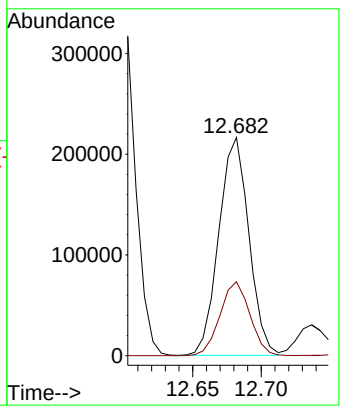




#79
2-Chlorotoluene
Concen: 51.857 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 33047

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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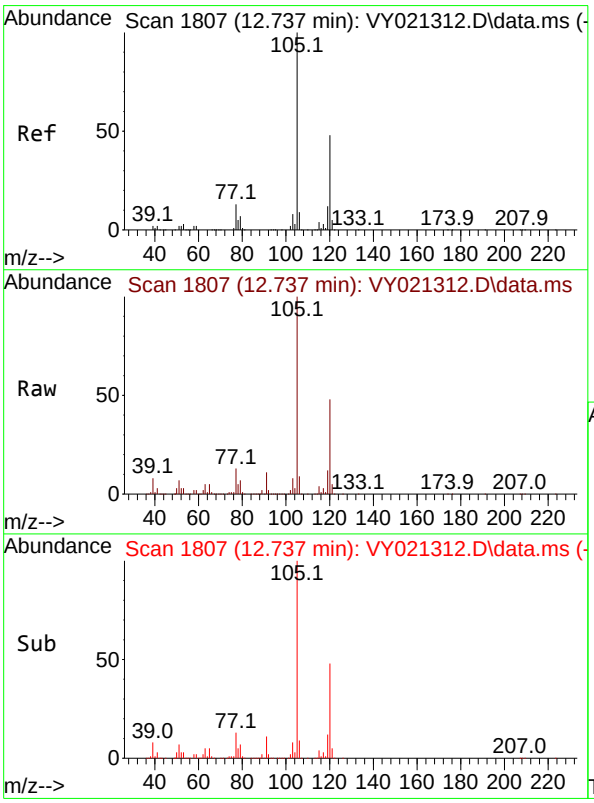
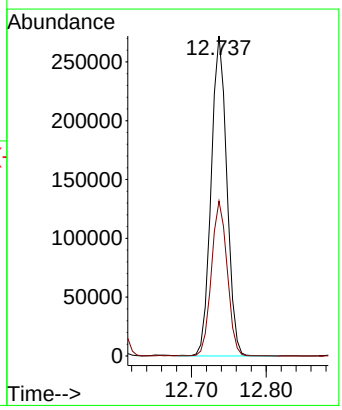
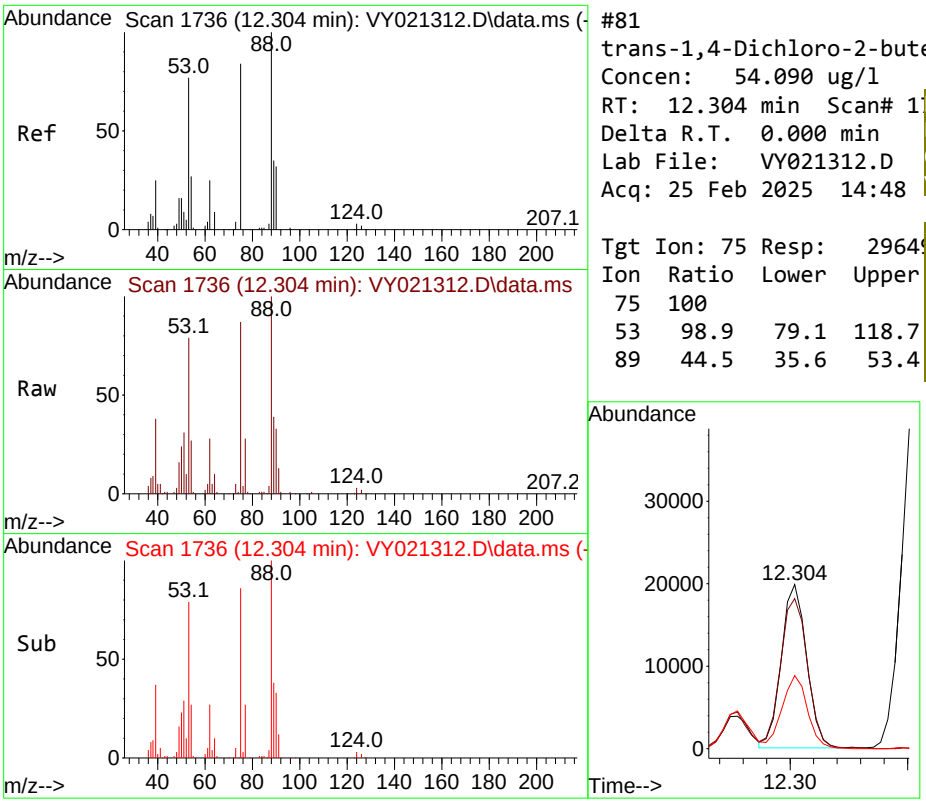


#80
1,3,5-Trimethylbenzene
Concen: 52.712 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395609

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 54.090 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 2964

Ion	Ratio	Lower	Upper
75	100		
53	98.9	79.1	118.7
89	44.5	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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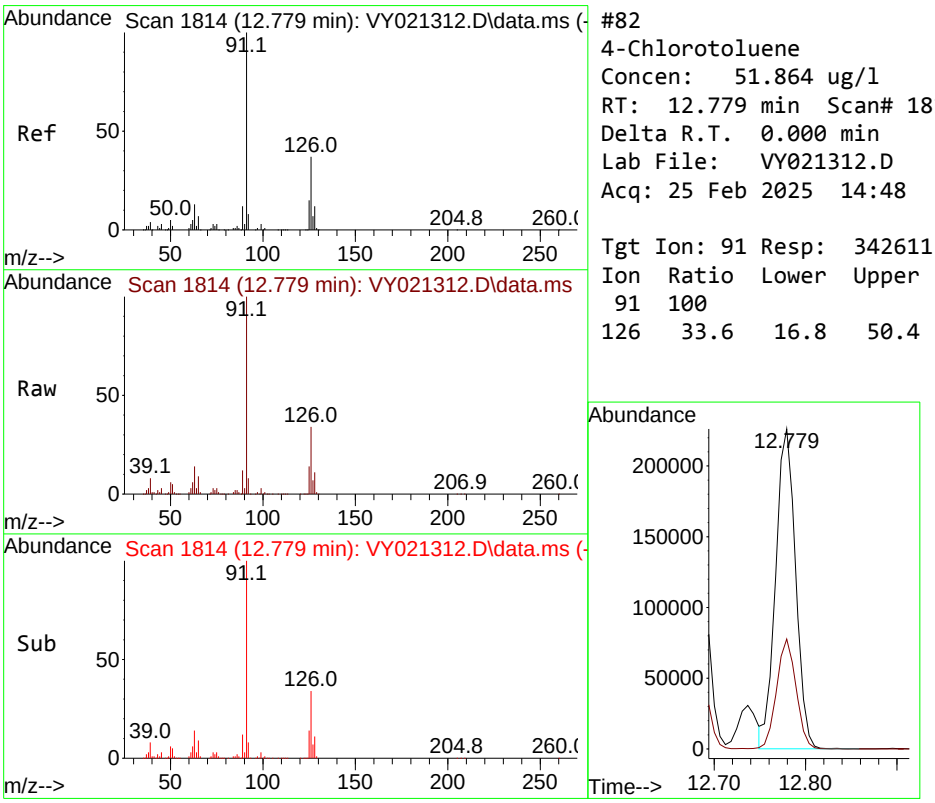
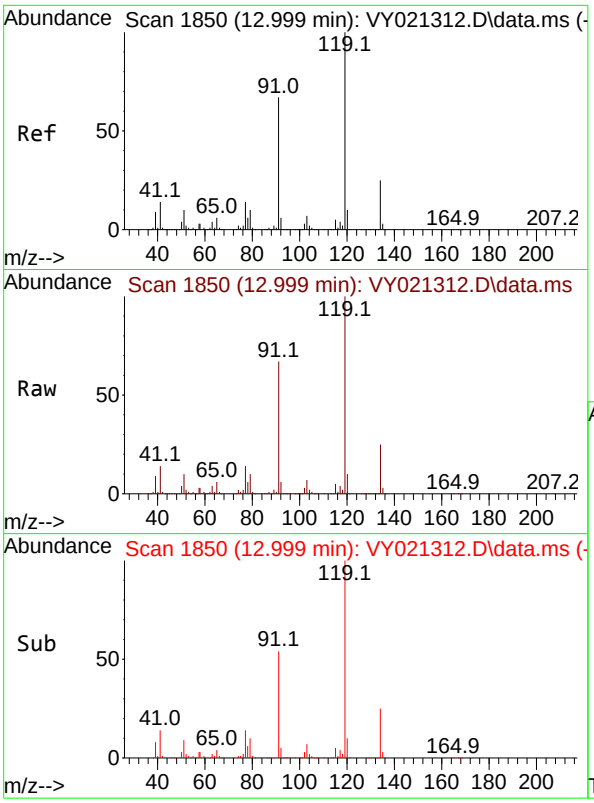


#82
4-Chlorotoluene
Concen: 51.864 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 342611

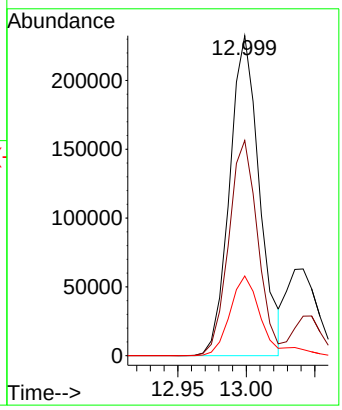
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



#83
tert-Butylbenzene
Concen: 51.930 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:119 Resp: 35205

Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.7	98.1
134	26.6	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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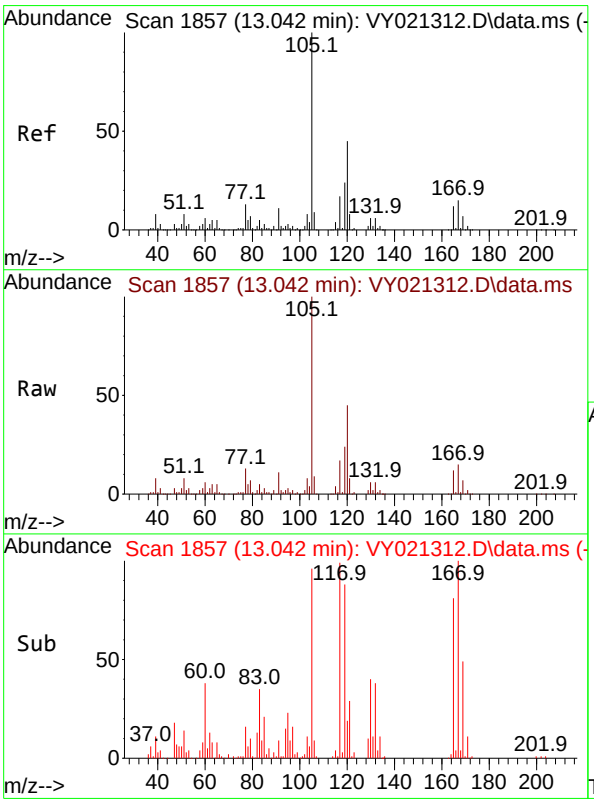
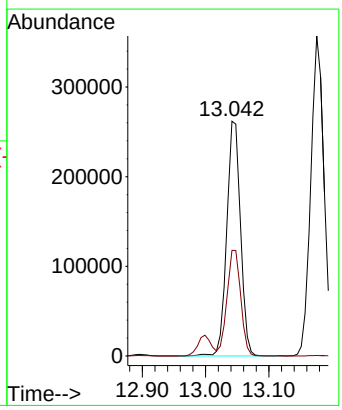
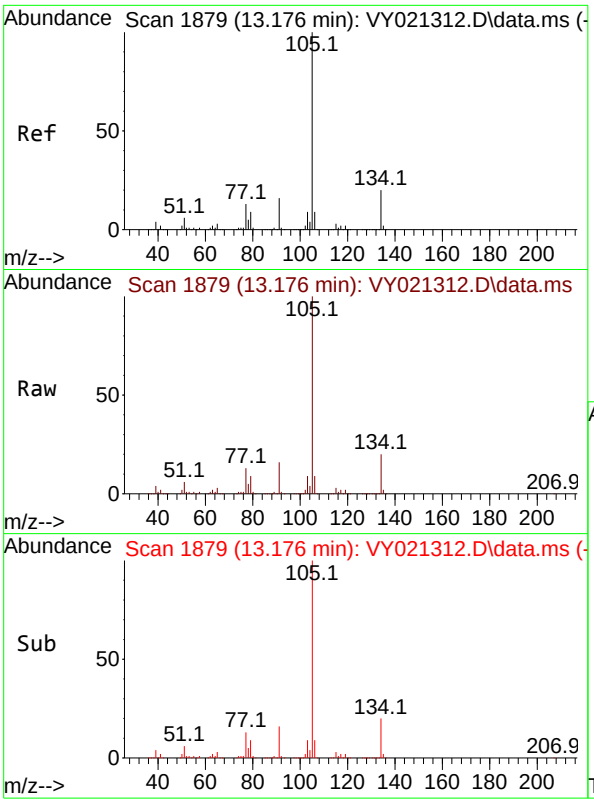


#84
1,2,4-Trimethylbenzene
Concen: 52.962 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395315

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3

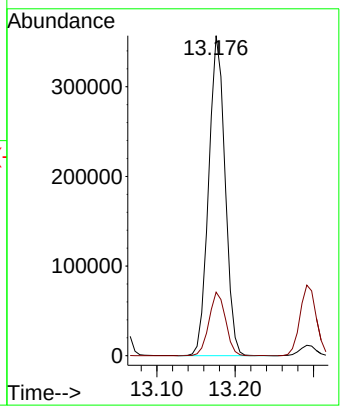




#85
sec-Butylbenzene
Concen: 52.319 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 51809

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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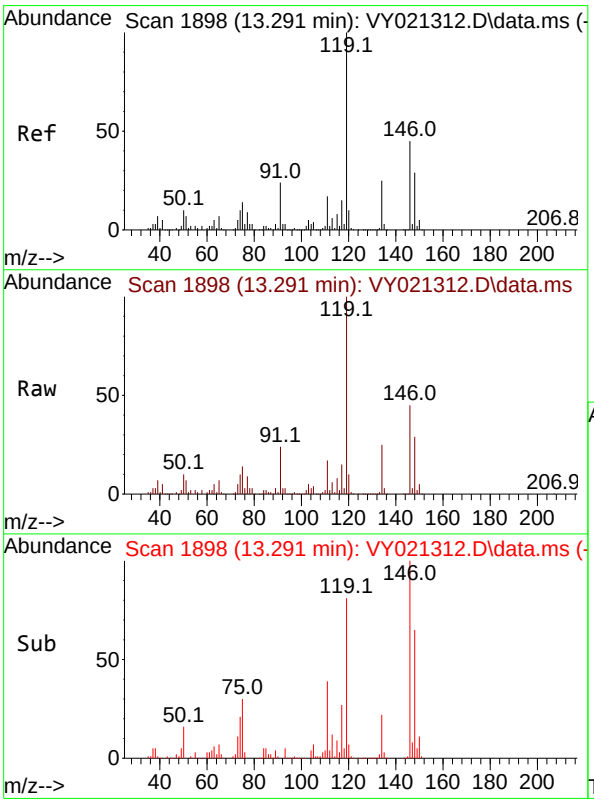
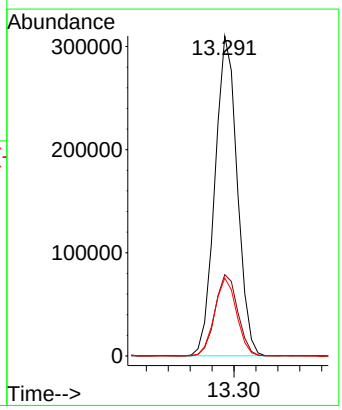
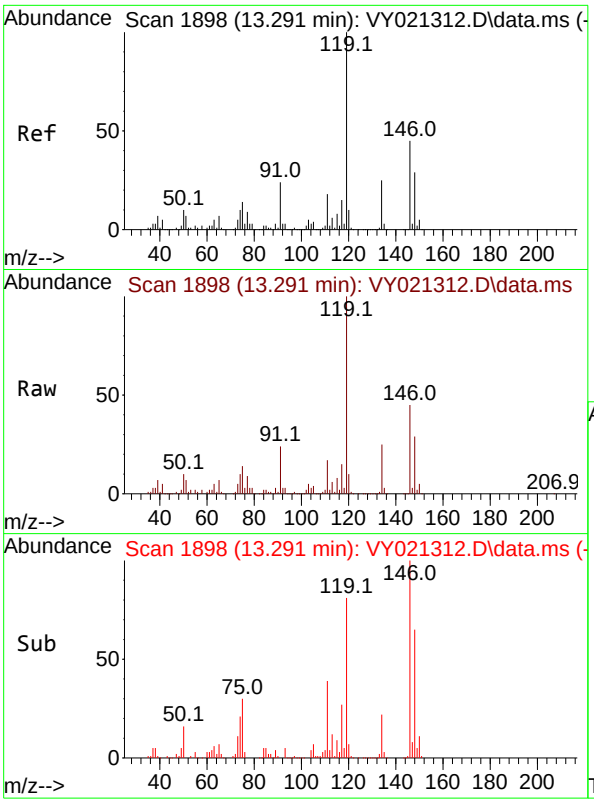


#86
p-Isopropyltoluene
Concen: 52.884 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:119 Resp: 437283

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.1	12.0	36.1

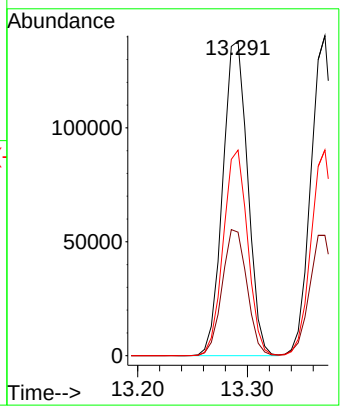




#87
1,3-Dichlorobenzene
Concen: 51.811 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 21813

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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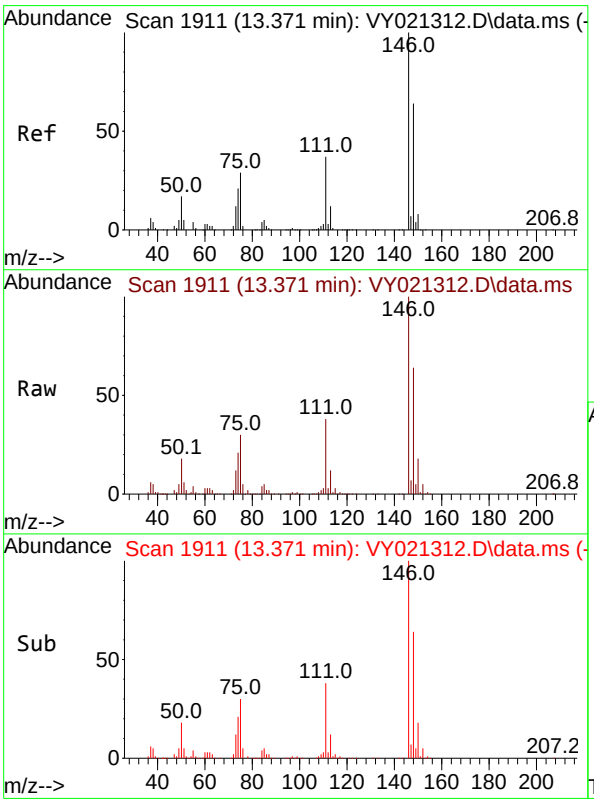
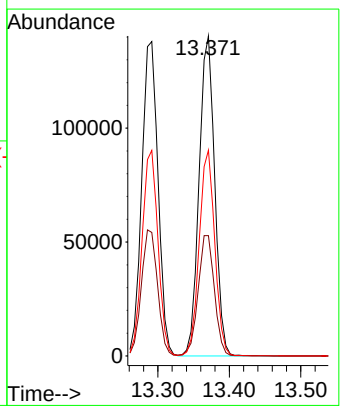
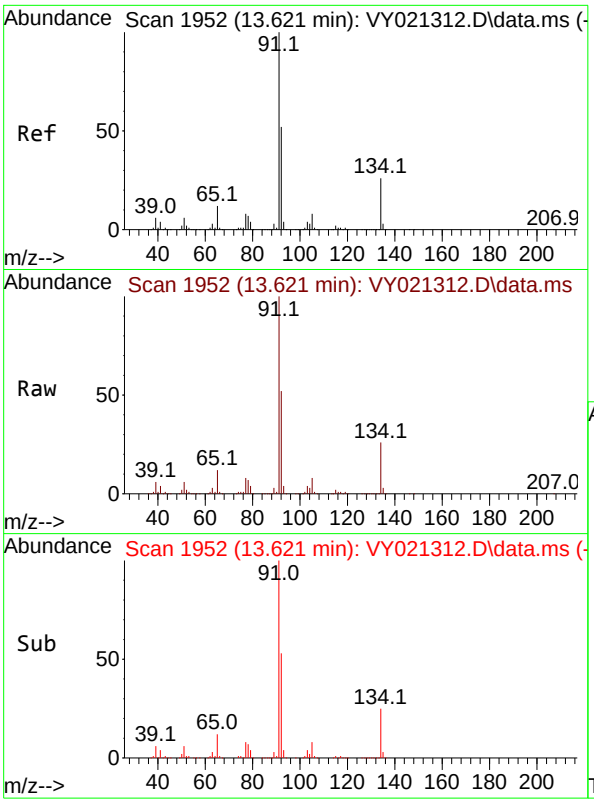


#88
1,4-Dichlorobenzene
Concen: 51.233 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 213090

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.1	32.0	96.2

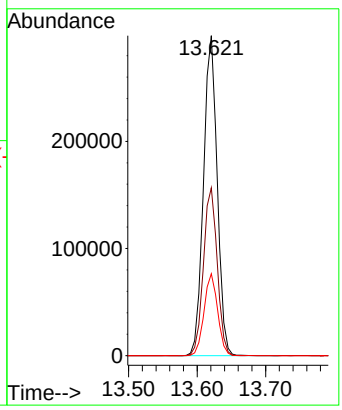




#89
n-Butylbenzene
Concen: 53.510 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 41637

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.3	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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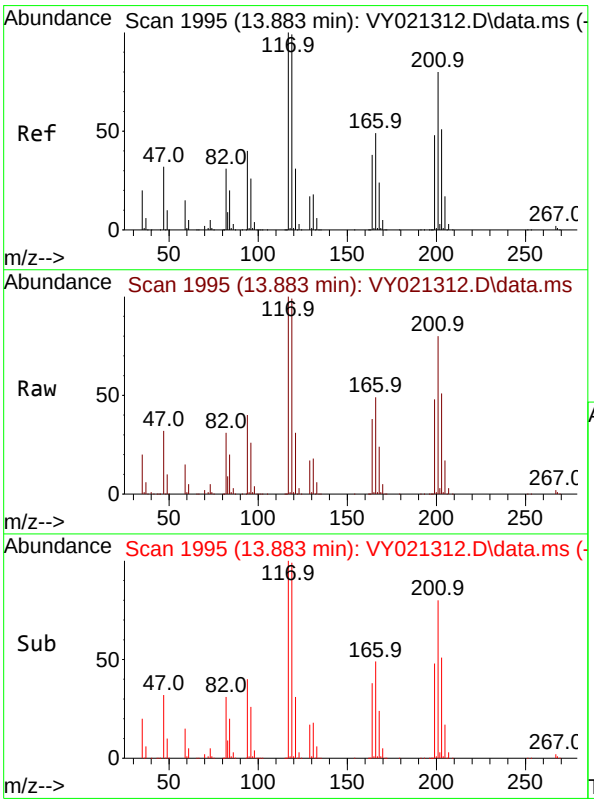
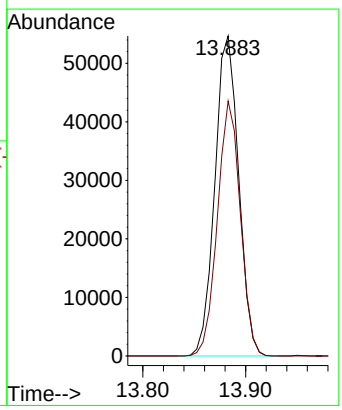
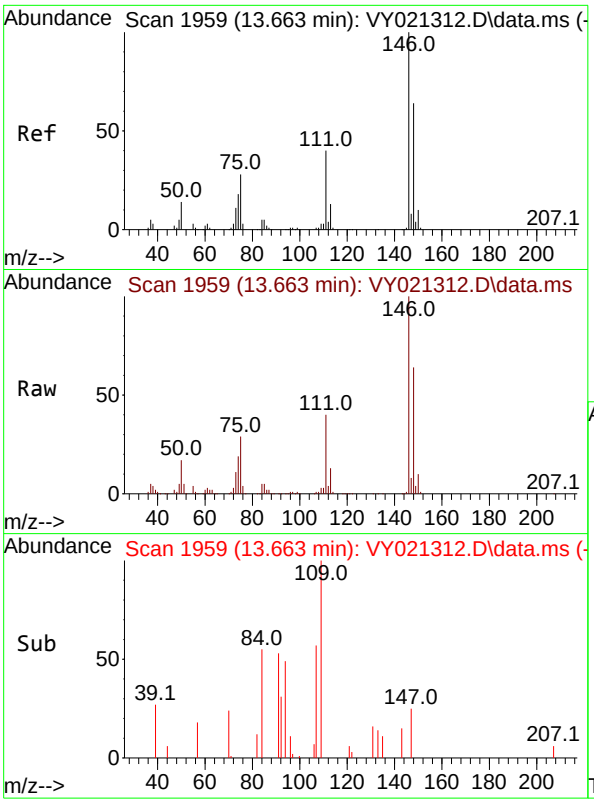


#90
Hexachloroethane
Concen: 50.814 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 87765

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2

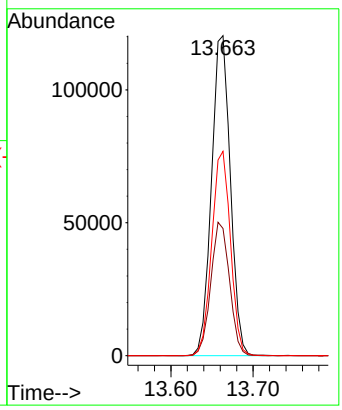




#91
1,2-Dichlorobenzene
Concen: 51.985 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 19175

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.4	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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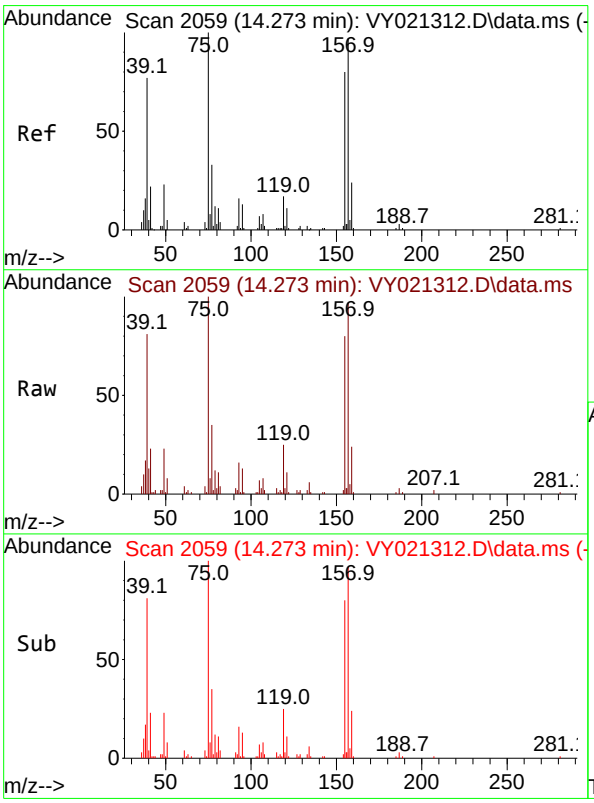
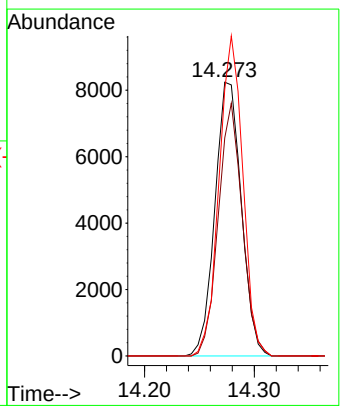
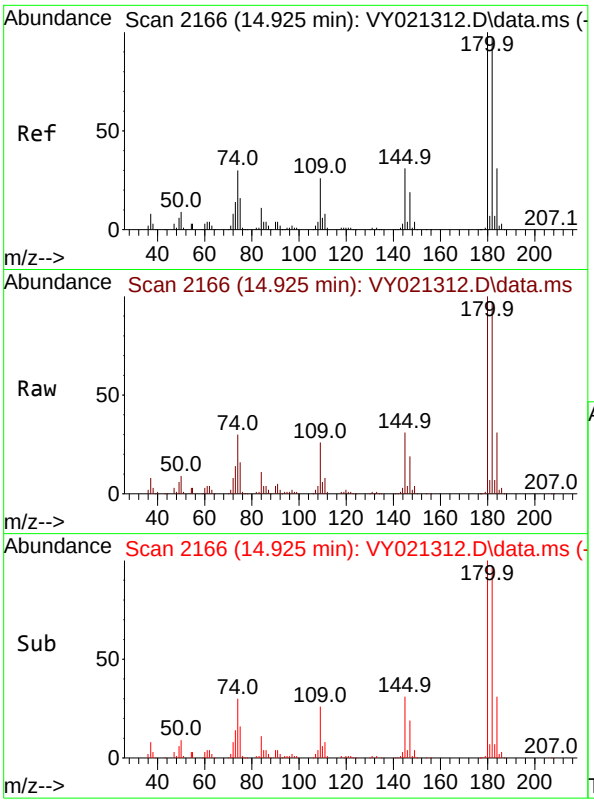


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.947 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 13782

Ion	Ratio	Lower	Upper
75	100		
155	83.7	41.9	125.6
157	105.1	52.5	157.6

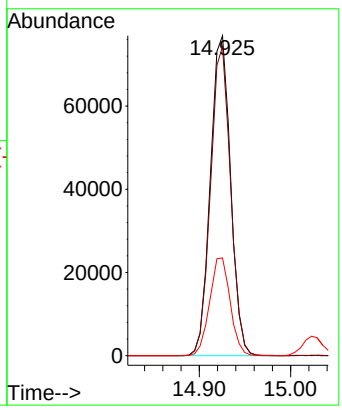




#93
1,2,4-Trichlorobenzene
Concen: 52.360 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:180 Resp: 11788

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.2	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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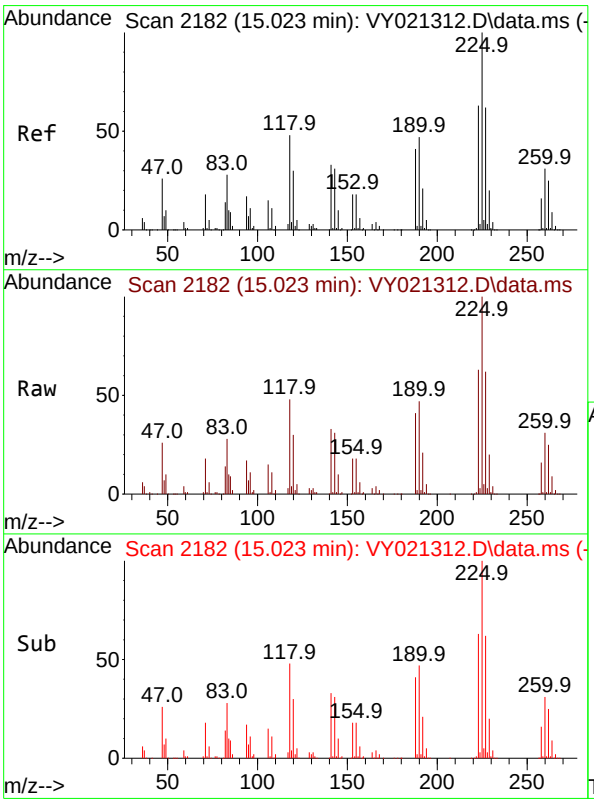
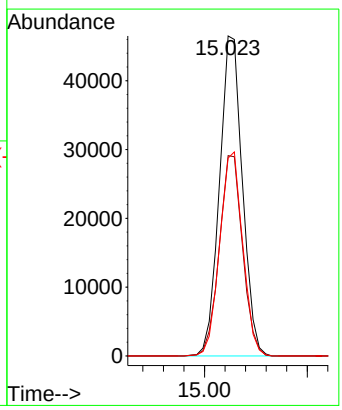
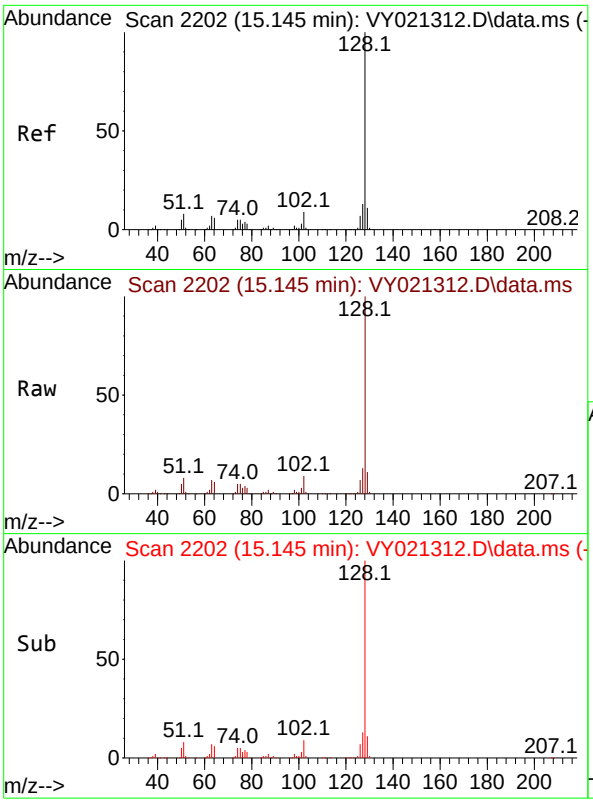


#94
Hexachlorobutadiene
Concen: 50.738 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:225 Resp: 71915

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.8	95.4
227	63.8	31.9	95.7

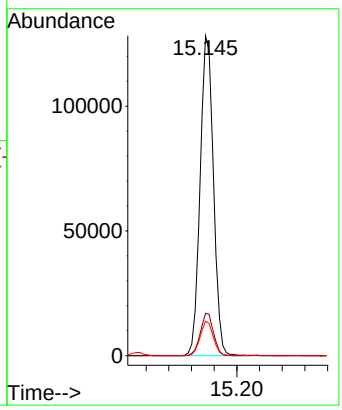




#95
Naphthalene
Concen: 56.174 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:128 Resp: 20947

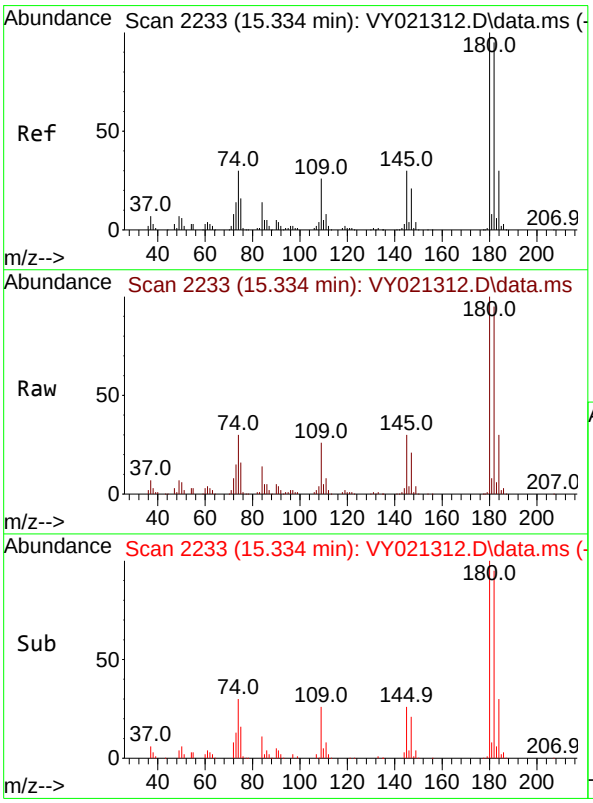
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.6	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

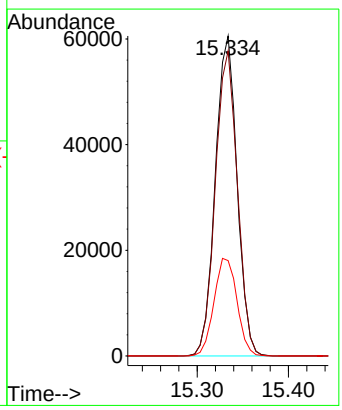
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.735 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:180 Resp: 100312

Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	32.2	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	180458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	283003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306215	149.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 299.160%#			
35) Dibromofluoromethane	7.634	113	283537	152.818	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.640%#			
50) Toluene-d8	10.103	98	1094820	152.682	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 305.360%#			
62) 4-Bromofluorobenzene	12.401	95	369071	152.937	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	259643	151.753	ug/l	99
3) Chloromethane	2.068	50	323414	146.365	ug/l	99
4) Vinyl Chloride	2.202	62	328290	151.368	ug/l	97
5) Bromomethane	2.580	94	200754	139.293	ug/l	100
6) Chloroethane	2.726	64	197463	146.820	ug/l	97
7) Trichlorofluoromethane	3.056	101	492238	150.283	ug/l	98
8) Diethyl Ether	3.452	74	154649	157.312	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	293114	154.570	ug/l	99
10) Methyl Iodide	4.000	142	338246	169.542	ug/l	99
11) Tert butyl alcohol	4.860	59	106628	677.165	ug/l	99
12) 1,1-Dichloroethene	3.787	96	280431	154.445	ug/l	98
13) Acrolein	3.647	56	17213	142.652	ug/l	96
14) Allyl chloride	4.378	41	507854	157.755	ug/l	98
15) Acrylonitrile	5.055	53	344988	793.713	ug/l	99
16) Acetone	3.860	43	280172	713.470	ug/l	97
17) Carbon Disulfide	4.104	76	908476	150.676	ug/l	99
18) Methyl Acetate	4.378	43	149226	155.496	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	763596	159.172	ug/l	100
20) Methylene Chloride	4.610	84	296032	139.409	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	308627	154.401	ug/l	98
22) Diisopropyl ether	6.018	45	1028788	154.433	ug/l	96
23) Vinyl Acetate	5.957	43	3191401	801.685	ug/l	99
24) 1,1-Dichloroethane	5.915	63	572832	152.564	ug/l	98
25) 2-Butanone	6.890	43	462541	780.449	ug/l	97
26) 2,2-Dichloropropane	6.884	77	515178	151.214	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	354979	155.519	ug/l	99
28) Bromochloromethane	7.244	49	251245	151.227	ug/l	99
29) Tetrahydrofuran	7.256	42	309130	797.978	ug/l	99
30) Chloroform	7.421	83	574920	151.112	ug/l	100
31) Cyclohexane	7.695	56	525636	145.637	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	529792	152.986	ug/l	99
36) 1,1-Dichloropropene	7.835	75	429157	153.985	ug/l	100
37) Ethyl Acetate	6.982	43	216920	156.470	ug/l	100
38) Carbon Tetrachloride	7.817	117	481774	153.764	ug/l	99
39) Methylcyclohexane	9.103	83	563132	159.752	ug/l	97
40) Benzene	8.079	78	1249573	151.673	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.219	41	123663	159.542 ug/l		95
42) 1,2-Dichloroethane	8.152	62	355374	152.036 ug/l		99
43) Isopropyl Acetate	8.195	43	433742	161.641 ug/l		98
44) Trichloroethene	8.865	130	318590	154.457 ug/l		99
45) 1,2-Dichloropropane	9.140	63	302967	152.809 ug/l		99
46) Dibromomethane	9.231	93	168654	155.620 ug/l		99
47) Bromodichloromethane	9.420	83	448398	155.172 ug/l		99
48) Methyl methacrylate	9.219	41	213222	169.923 ug/l		100
49) 1,4-Dioxane	9.225	88	38142	3165.209 ug/l		93
51) 4-Methyl-2-Pentanone	9.993	43	1121500	816.471 ug/l		100
52) Toluene	10.170	92	794485	155.232 ug/l		100
53) t-1,3-Dichloropropene	10.390	75	432560	163.384 ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	493601	157.928 ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	215312	152.506 ug/l		98
56) Ethyl methacrylate	10.438	69	337816	173.168 ug/l		99
57) 1,3-Dichloropropane	10.713	76	385803	155.726 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	761125	812.859 ug/l		100
59) 2-Hexanone	10.755	43	754575	836.458 ug/l		98
60) Dibromochloromethane	10.908	129	299188	155.598 ug/l		99
61) 1,2-Dibromoethane	11.011	107	208046	155.651 ug/l		99
64) Tetrachloroethene	10.646	164	288026	153.351 ug/l		98
65) Chlorobenzene	11.438	112	863676	154.837 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	301244	154.234 ug/l		100
67) Ethyl Benzene	11.517	91	1576743	159.586 ug/l		100
68) m/p-Xylenes	11.627	106	1167839	314.246 ug/l		100
69) o-Xylene	11.950	106	550972	158.258 ug/l		99
70) Styrene	11.969	104	936967	161.754 ug/l		100
71) Bromoform	12.133	173	175918	157.441 ug/l	#	99
73) Isopropylbenzene	12.255	105	1461905	159.969 ug/l		99
74) N-amyl acetate	12.066	43	403238	173.596 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	251216	155.759 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	179622m	146.733 ug/l		
77) Bromobenzene	12.529	156	333772	157.025 ug/l		99
78) n-propylbenzene	12.597	91	1765636	159.217 ug/l		100
79) 2-Chlorotoluene	12.682	91	995452	156.411 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1190462	158.830 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	92910	169.722 ug/l		98
82) 4-Chlorotoluene	12.779	91	1021811	154.883 ug/l		100
83) tert-Butylbenzene	12.999	119	1094125	161.602 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1192062	159.915 ug/l		99
85) sec-Butylbenzene	13.176	105	1558540	157.594 ug/l		100
86) p-Isopropyltoluene	13.291	119	1327819	160.795 ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	648204	154.161 ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	635981	153.109 ug/l		100
89) n-Butylbenzene	13.615	91	1269399	163.350 ug/l		99
90) Hexachloroethane	13.877	117	275368	159.641 ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	570360	154.826 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	42060	164.851 ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	384163	170.860 ug/l		99
94) Hexachlorobutadiene	15.023	225	224602	158.670 ug/l		99
95) Naphthalene	15.145	128	694625	186.517 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	326876	172.067 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

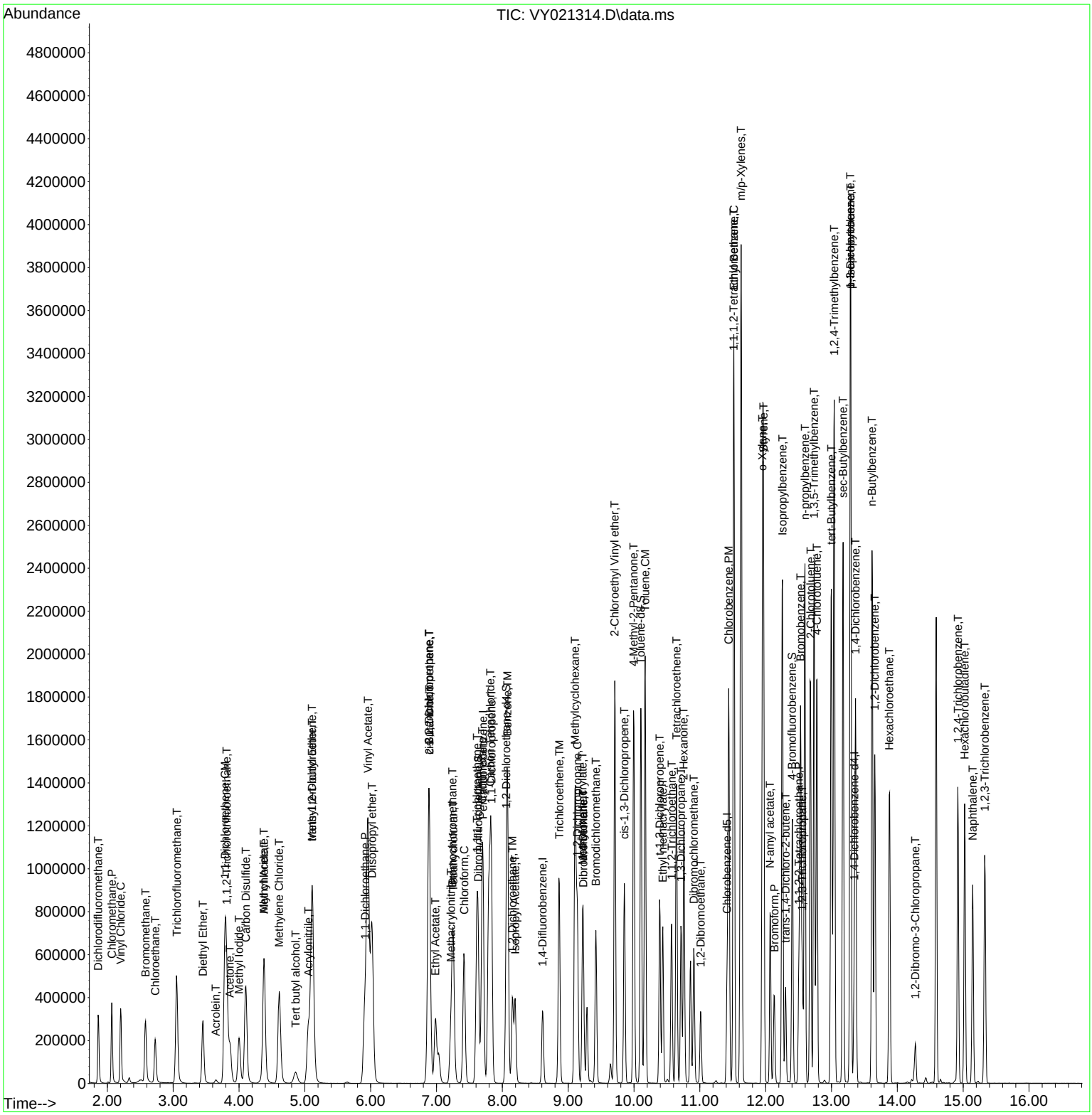
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

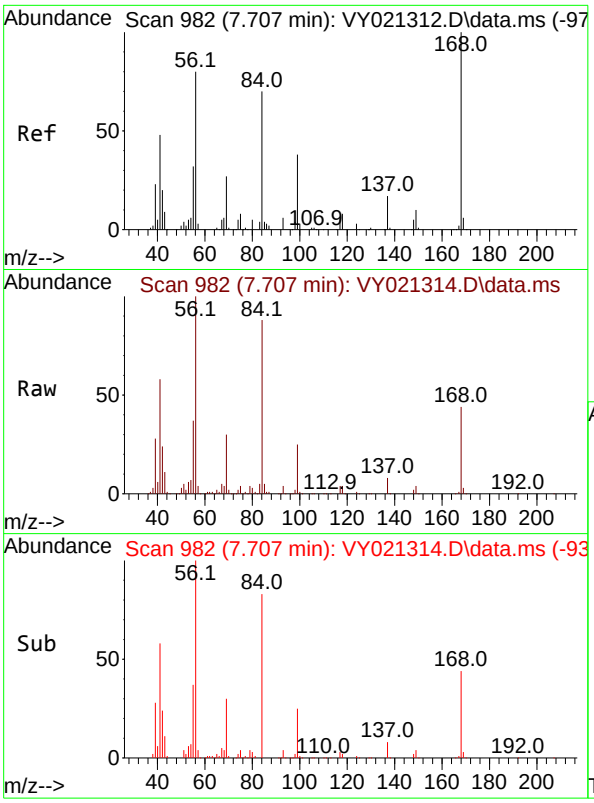
Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

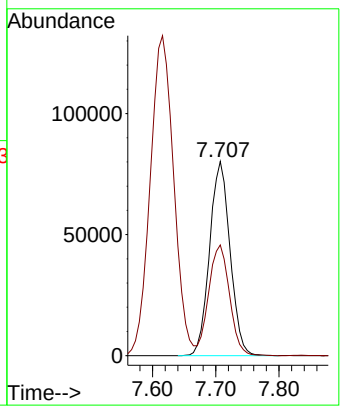




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:168 Resp: 18045

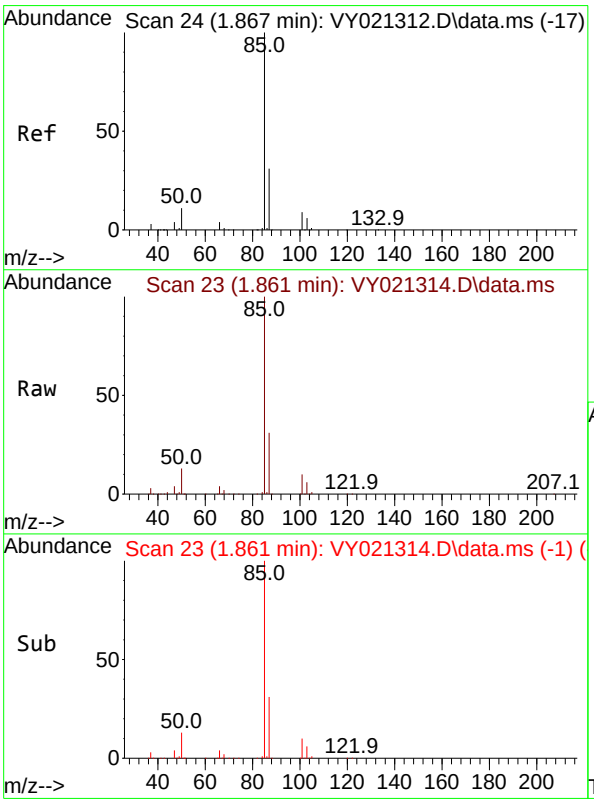
Ion	Ratio	Lower	Upper
168	100		
99	57.0	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

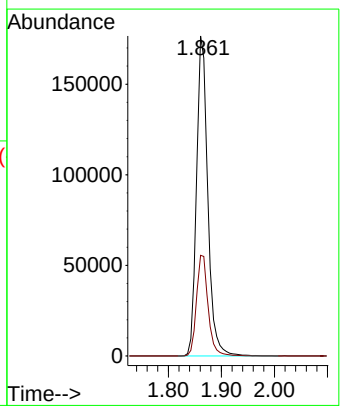
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

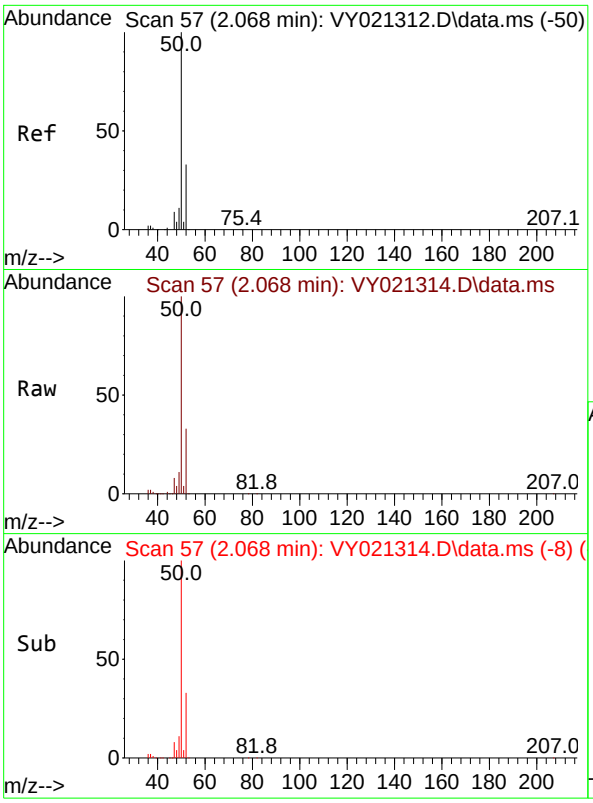


#2
Dichlorodifluoromethane
Concen: 151.753 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 85 Resp: 259643

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.4

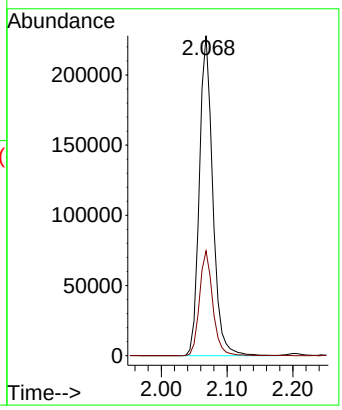




#3
Chloromethane
Concen: 146.365 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 50 Resp: 32341

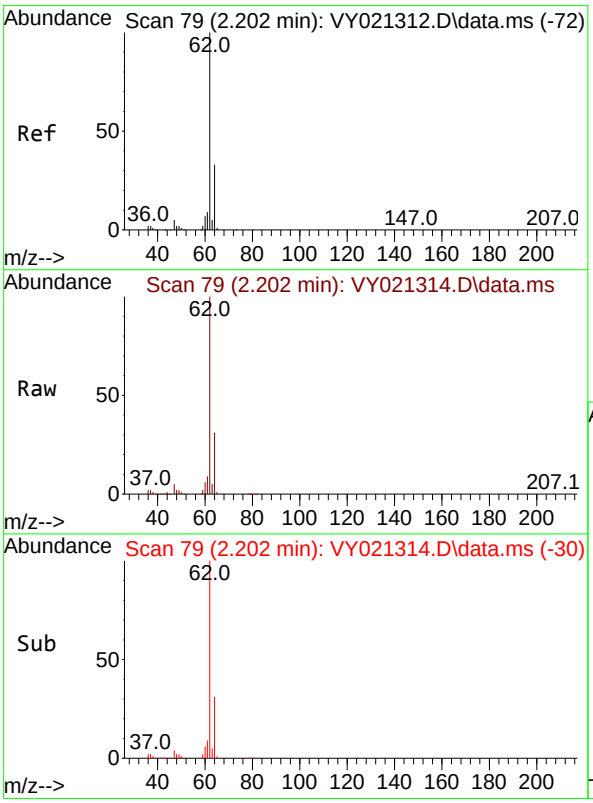
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

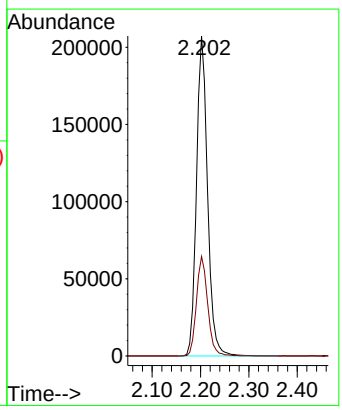
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

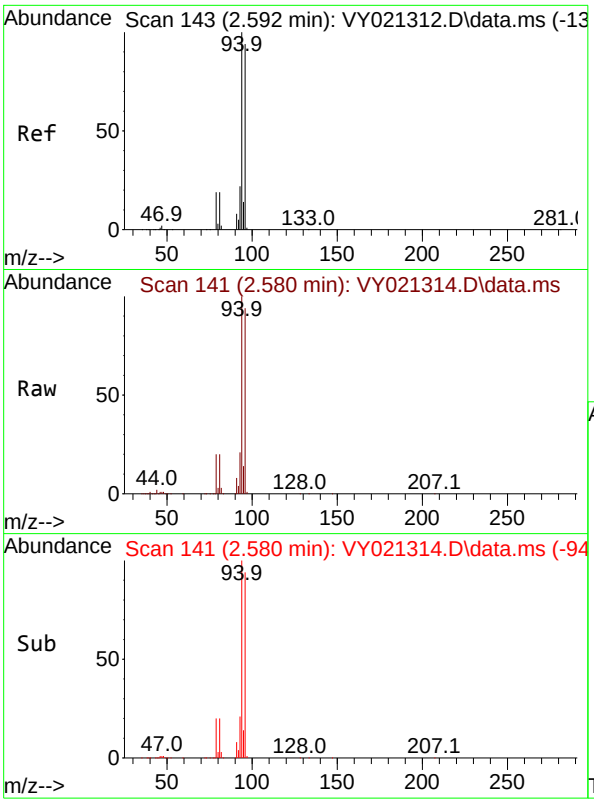


#4
Vinyl Chloride
Concen: 151.368 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 328290

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.3	39.5





#5
Bromomethane
Concen: 139.293 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

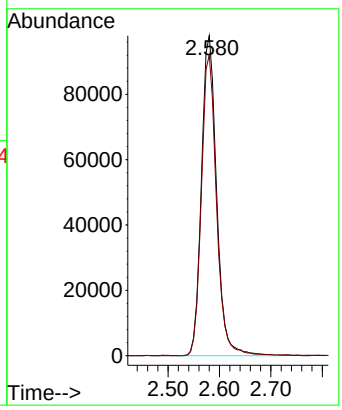
Tgt Ion: 94 Resp: 20075

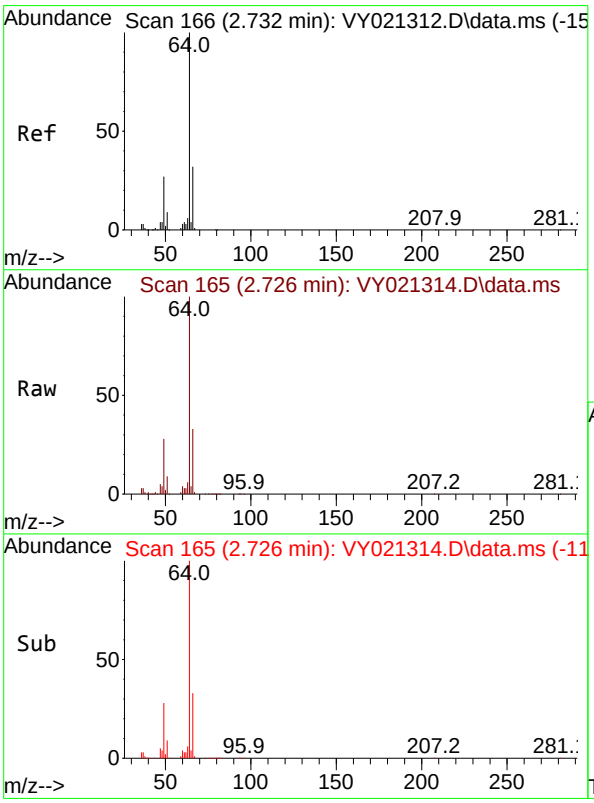
Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.2	112.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

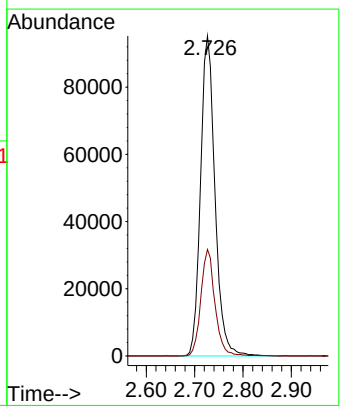


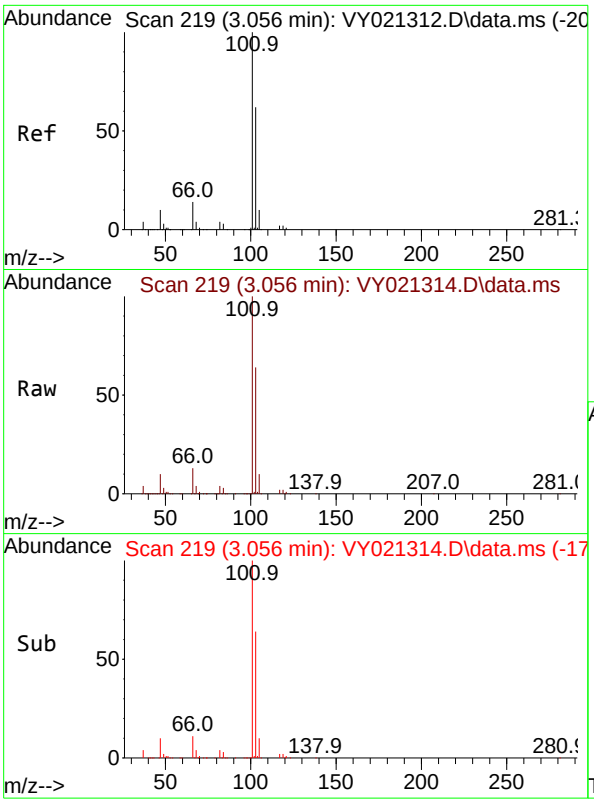


#6
Chloroethane
Concen: 146.820 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 64 Resp: 197463

Ion	Ratio	Lower	Upper
64	100		
66	33.3	25.4	38.0

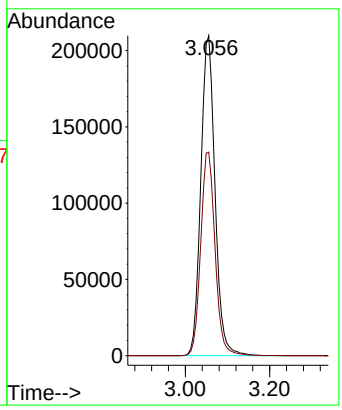




#7
Trichlorofluoromethane
Concen: 150.283 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:101 Resp: 49223

Ion	Ratio	Lower	Upper
101	100		
103	63.6	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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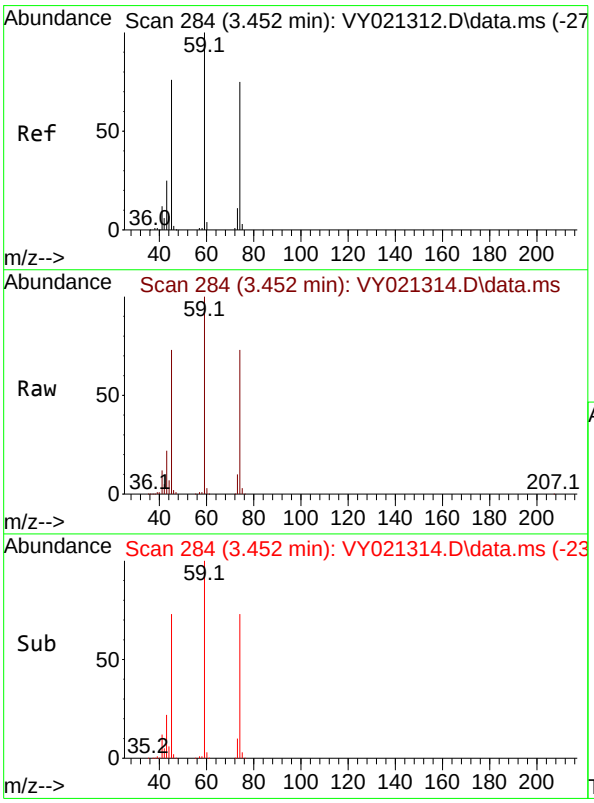
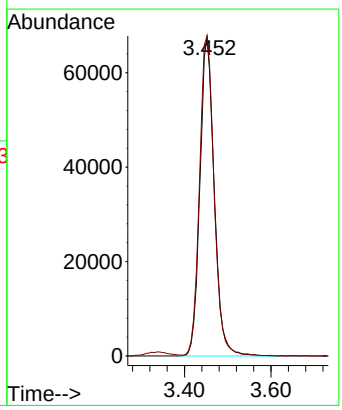
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

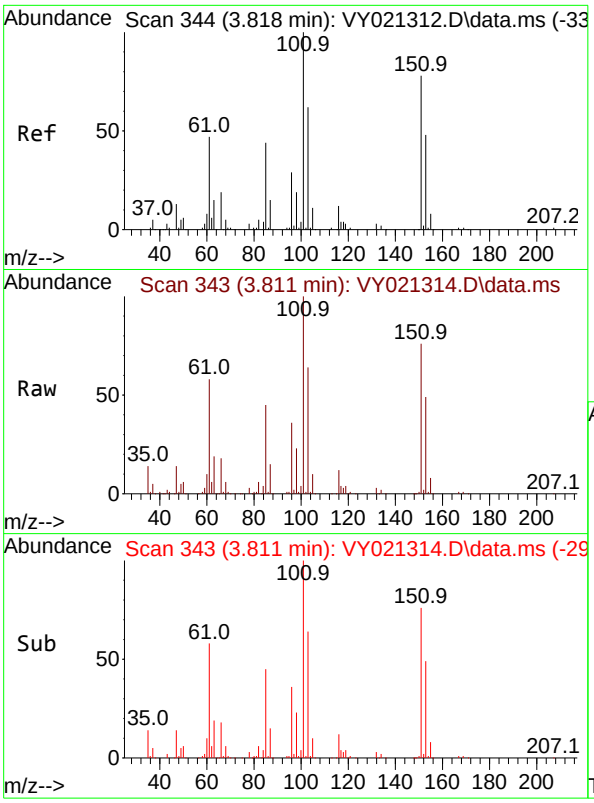


#8
Diethyl Ether
Concen: 157.312 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 74 Resp: 154649

Ion	Ratio	Lower	Upper
74	100		
45	103.0	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 154.570 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:101 Resp: 29311

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.7	55.1
151	76.6	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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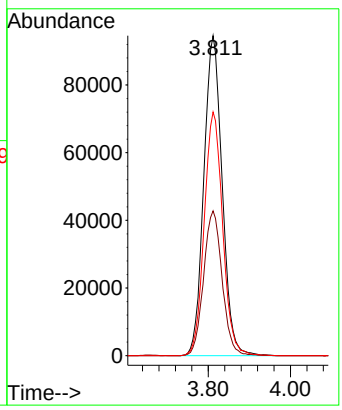
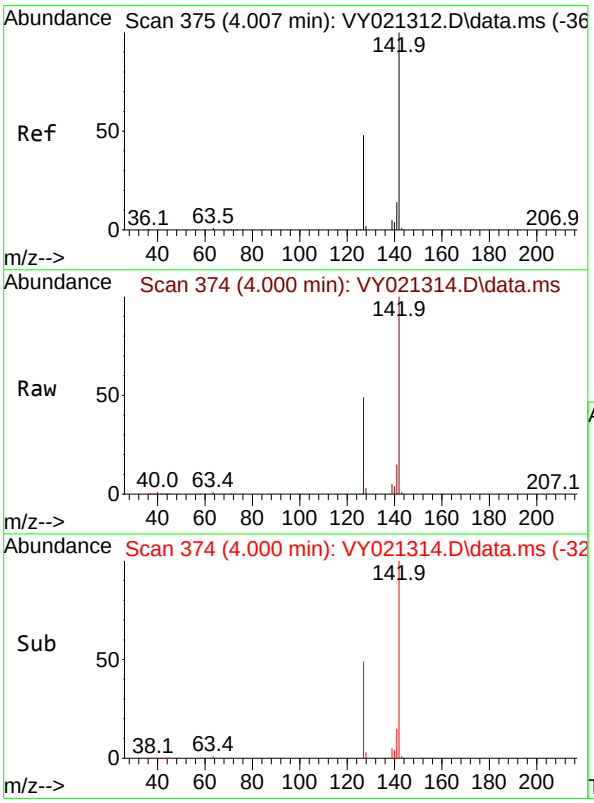
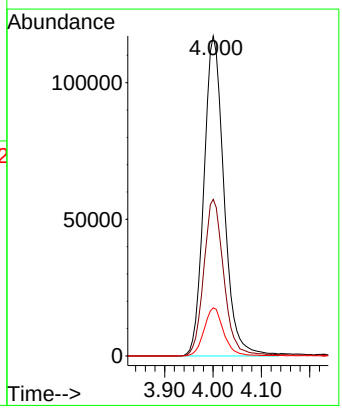


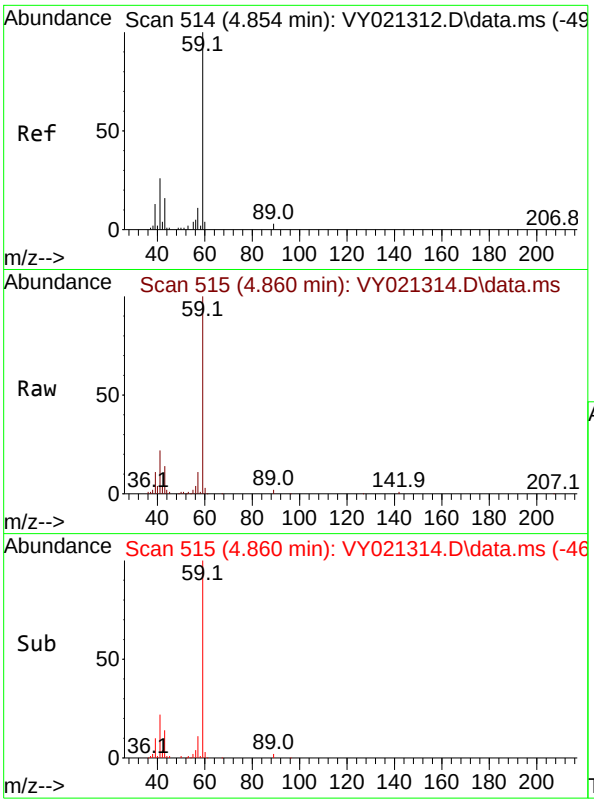


#10
Methyl Iodide
Concen: 169.542 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:142 Resp: 338246

Ion	Ratio	Lower	Upper
142	100		
127	49.4	39.2	58.8
141	14.8	11.4	17.2

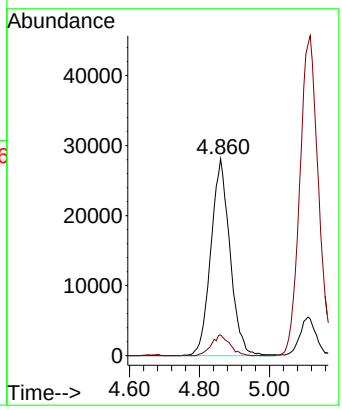




#11
Tert butyl alcohol
Concen: 677.165 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 59 Resp: 10662

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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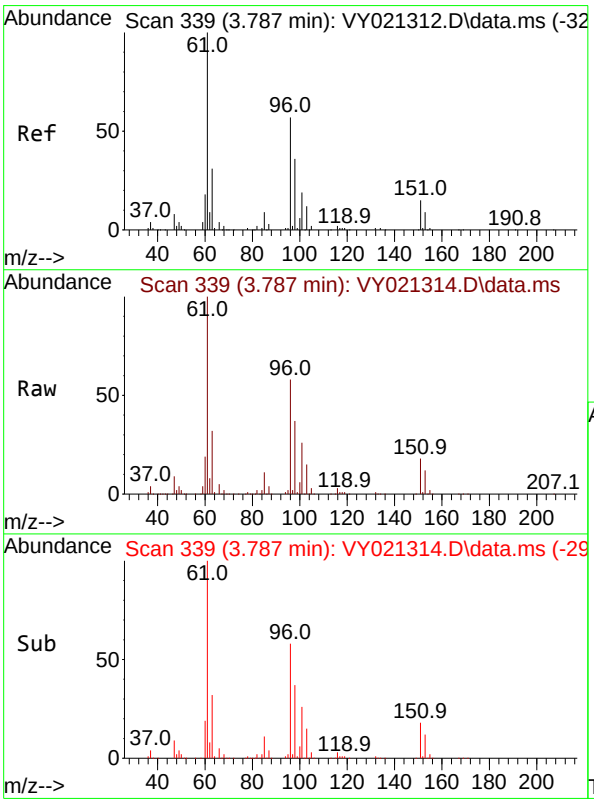
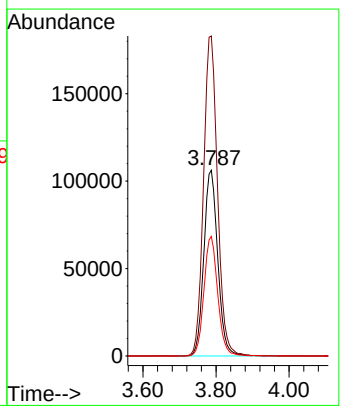
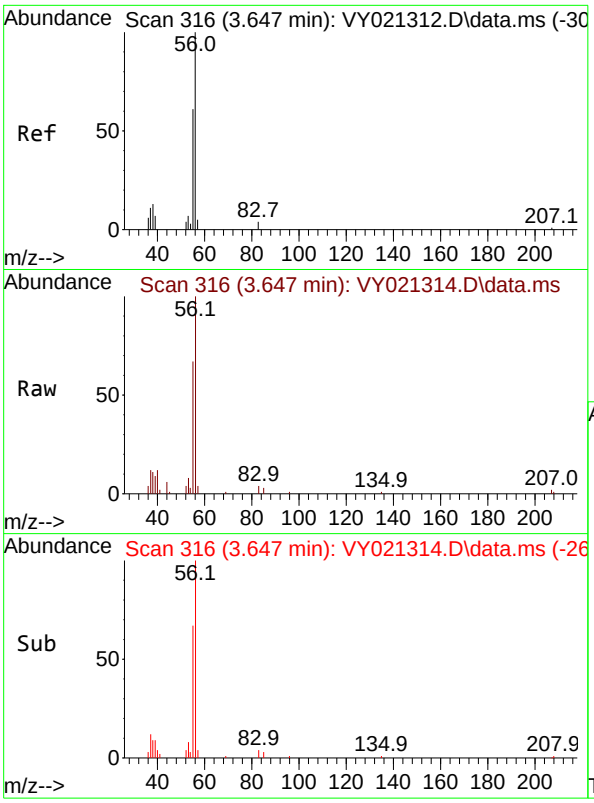


#12
1,1-Dichloroethene
Concen: 154.445 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 280431

Ion	Ratio	Lower	Upper
96	100		
61	172.2	139.7	209.5
98	64.3	49.7	74.5

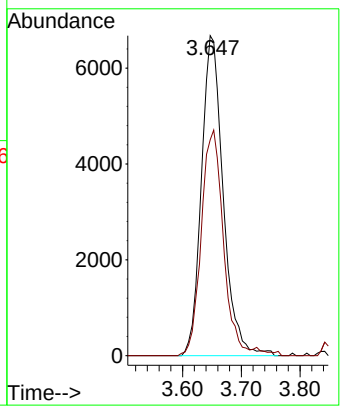




#13
Acrolein
Concen: 142.652 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 56 Resp: 1721

Ion	Ratio	Lower	Upper
56	100		
55	70.8	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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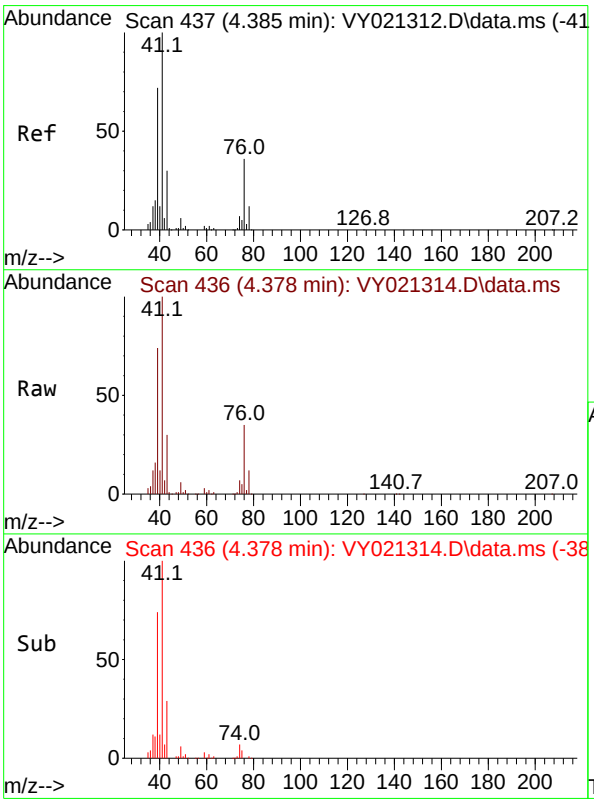
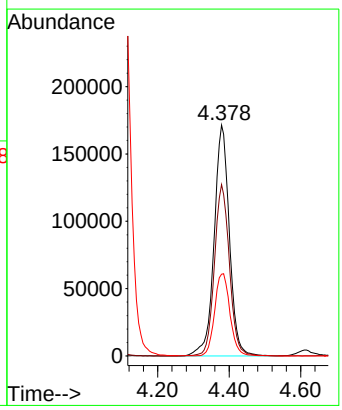
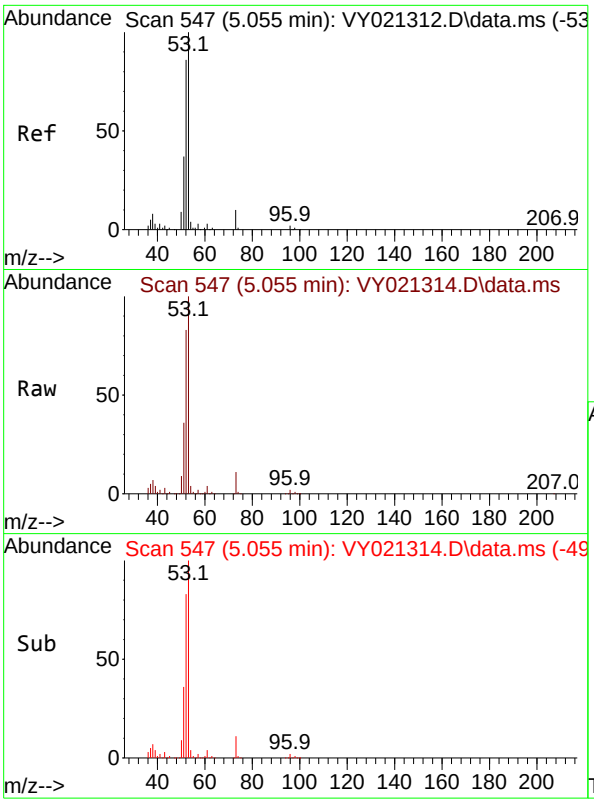


#14
Allyl chloride
Concen: 157.755 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 507854

Ion	Ratio	Lower	Upper
41	100		
39	73.1	60.0	90.0
76	35.8	29.0	43.6

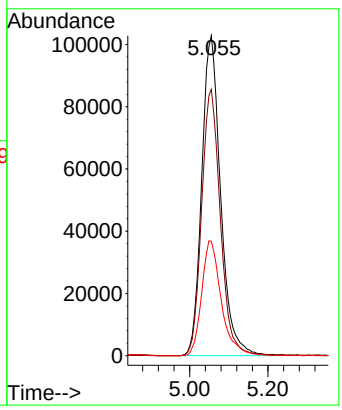




#15
Acrylonitrile
Concen: 793.713 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 53 Resp: 34498

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.2	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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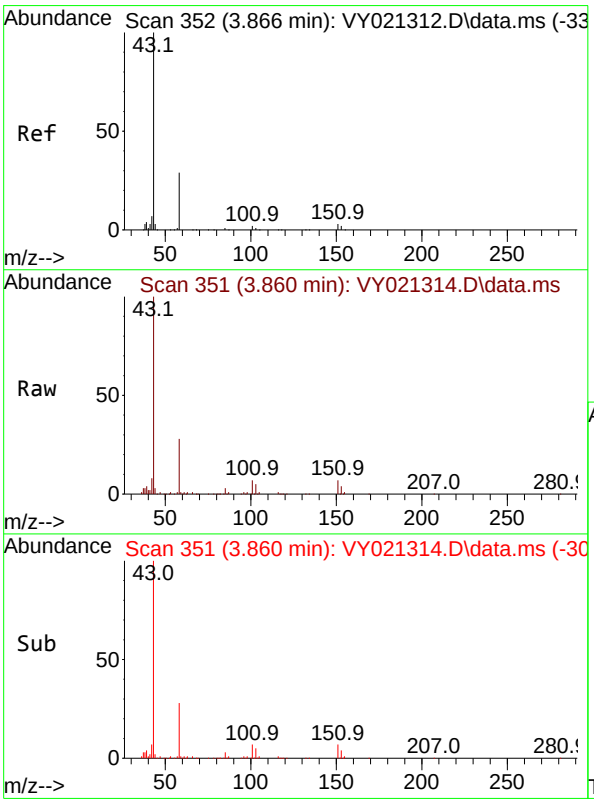
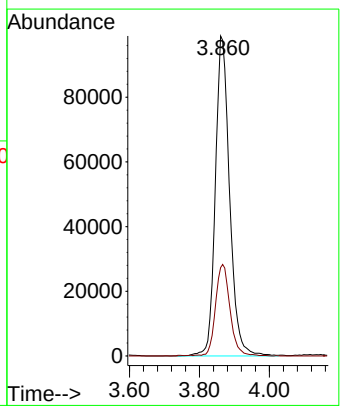
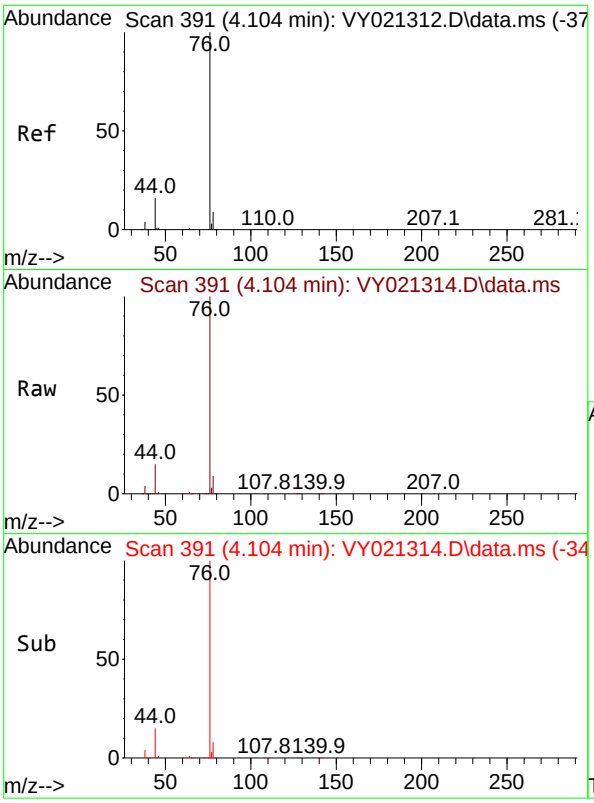


#16
Acetone
Concen: 713.470 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 280172

Ion	Ratio	Lower	Upper
43	100		
58	27.5	23.5	35.3

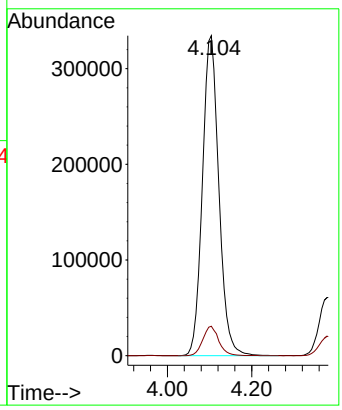




#17
Carbon Disulfide
Concen: 150.676 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 76 Resp: 90847

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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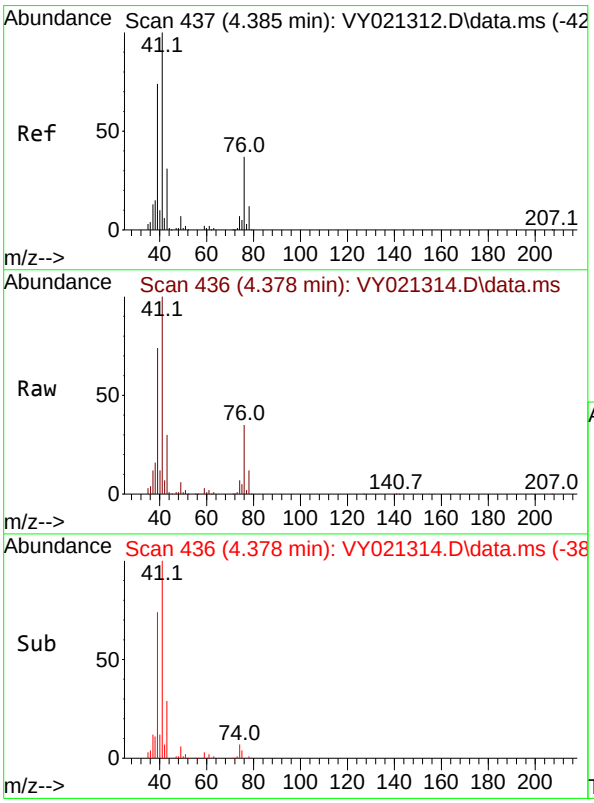
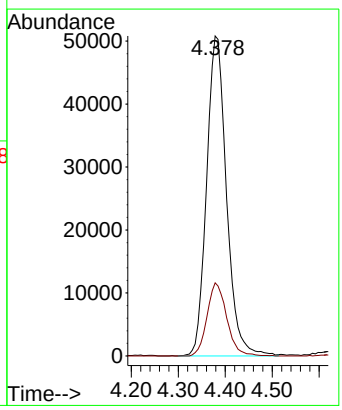
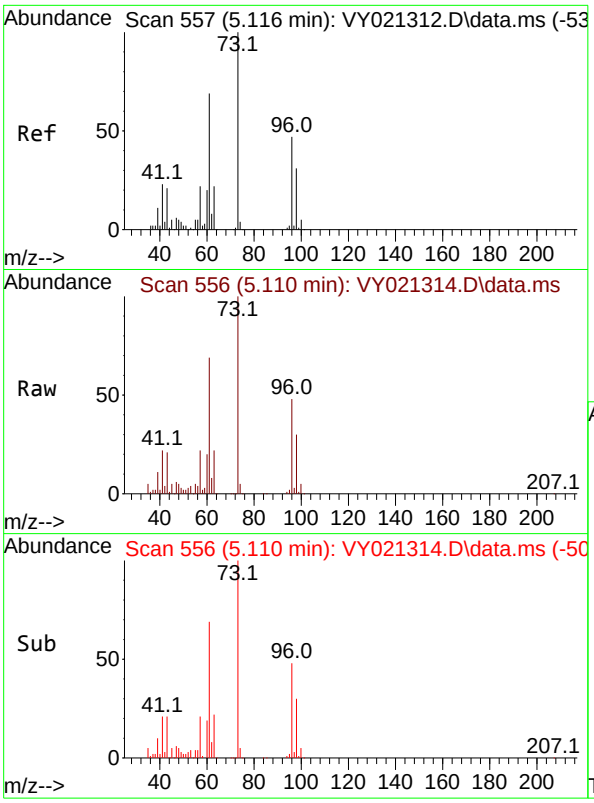


#18
Methyl Acetate
Concen: 155.496 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 149226

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.7	26.5

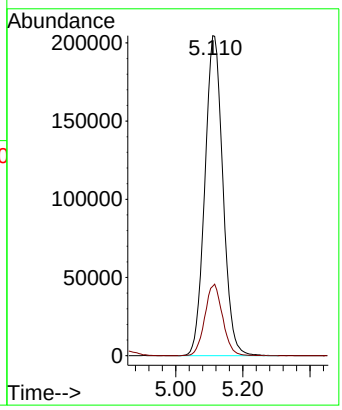




#19
Methyl tert-butyl Ether
Concen: 159.172 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 73 Resp: 76359

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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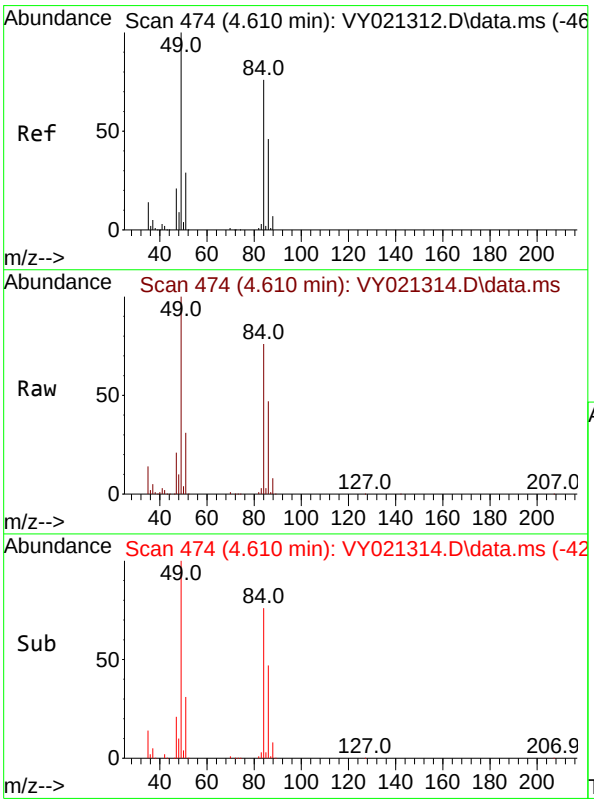
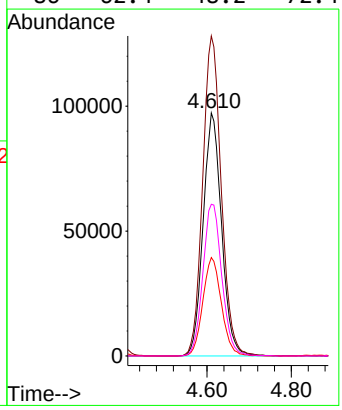
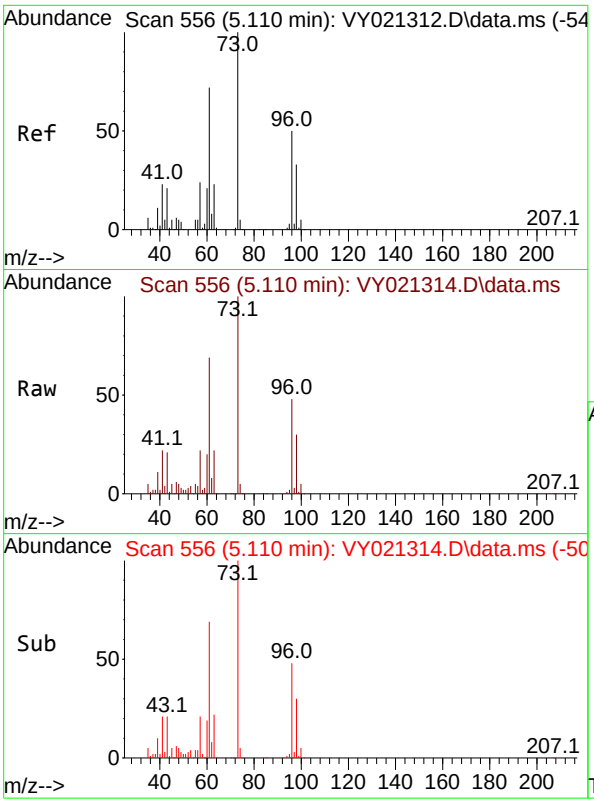


#20
Methylene Chloride
Concen: 139.409 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 84 Resp: 296032

Ion	Ratio	Lower	Upper
84	100		
49	131.6	105.1	157.7
51	40.5	31.0	46.4
86	62.4	48.2	72.4

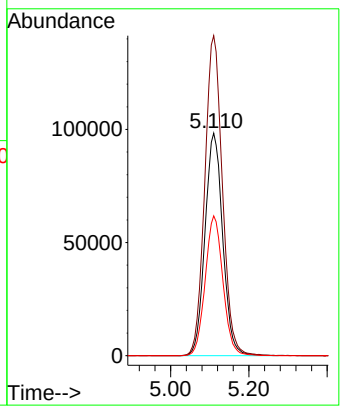




#21
trans-1,2-Dichloroethene
Concen: 154.401 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 30862

Ion	Ratio	Lower	Upper
96	100		
61	143.8	116.3	174.5
98	62.8	52.6	78.8



Instrument :
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ClientSampleId :
VSTDICC150

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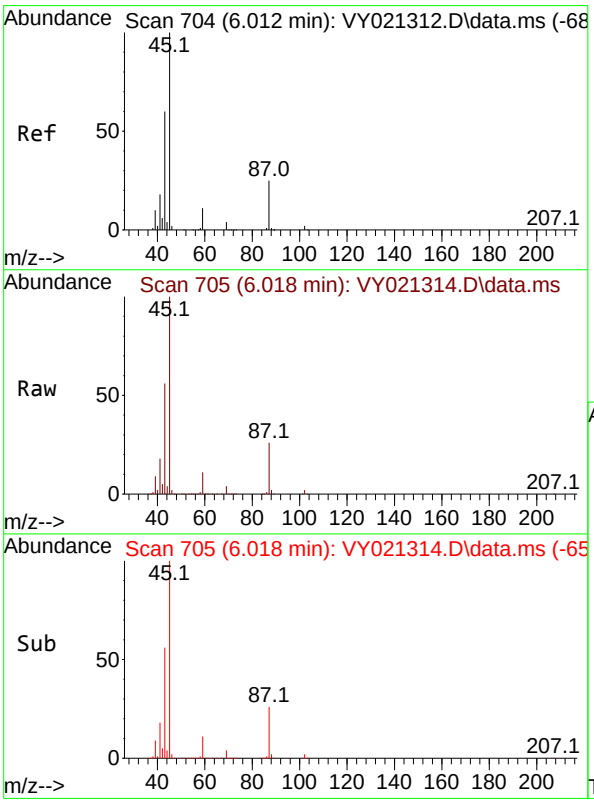
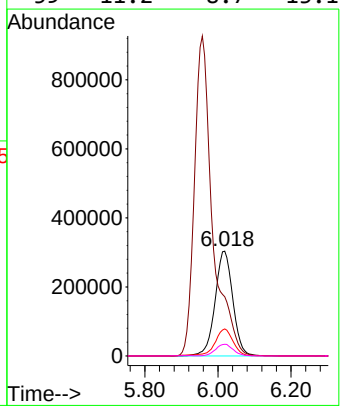
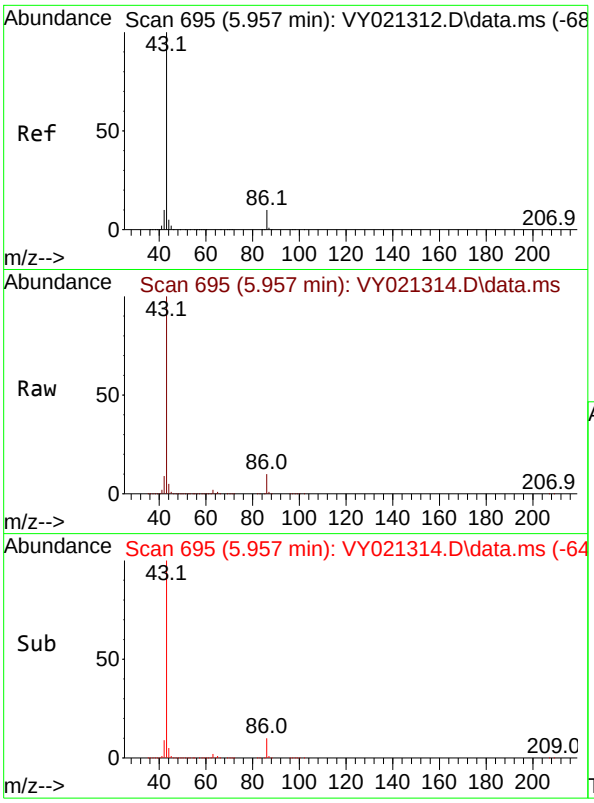


#22
Diisopropyl ether
Concen: 154.433 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 45 Resp: 1028788

Ion	Ratio	Lower	Upper
45	100		
43	56.2	48.2	72.4
87	25.8	20.3	30.5
59	11.2	8.7	13.1

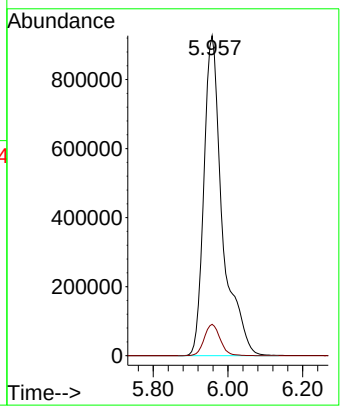




#23
Vinyl Acetate
Concen: 801.685 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 319140

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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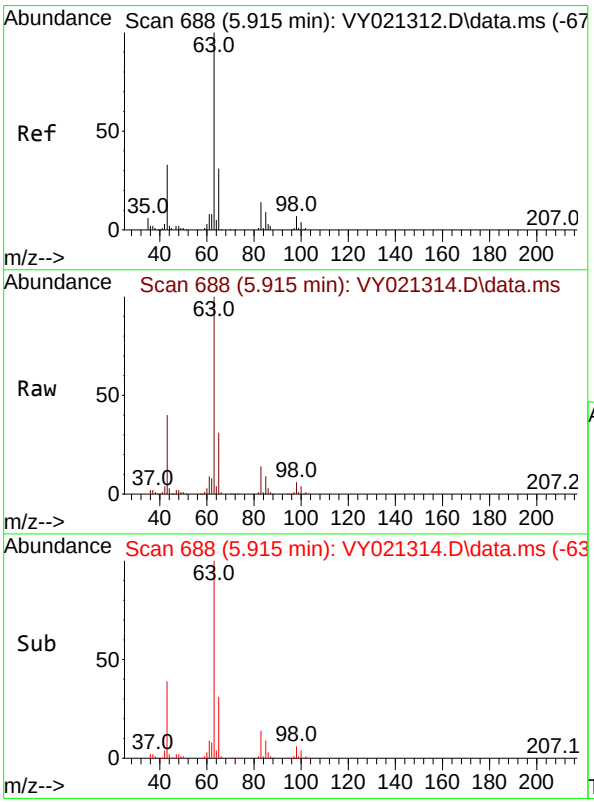
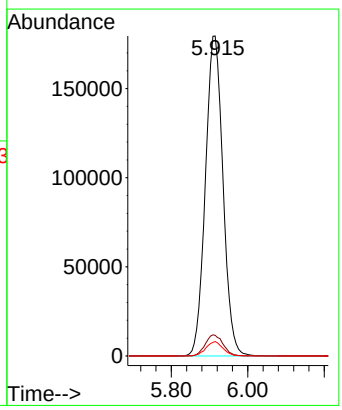
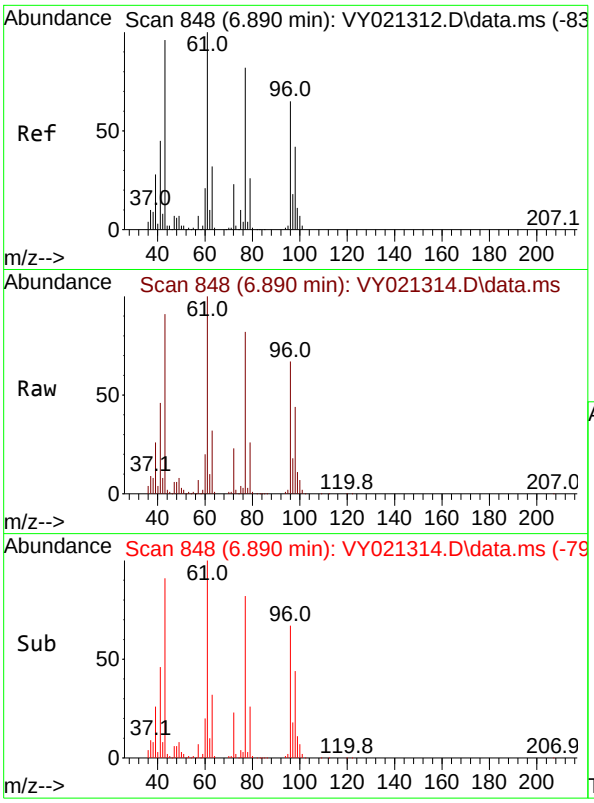


#24
1,1-Dichloroethane
Concen: 152.564 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 572832

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.7	11.1
100	4.5	2.1	6.5

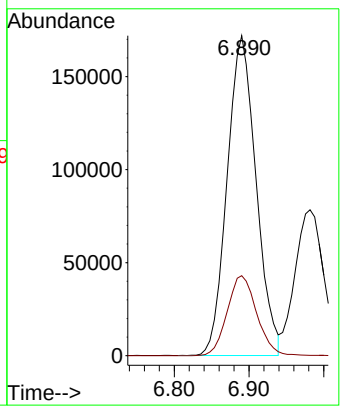




#25
2-Butanone
Concen: 780.449 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 46254

Ion	Ratio	Lower	Upper
43	100		
72	25.0	19.0	28.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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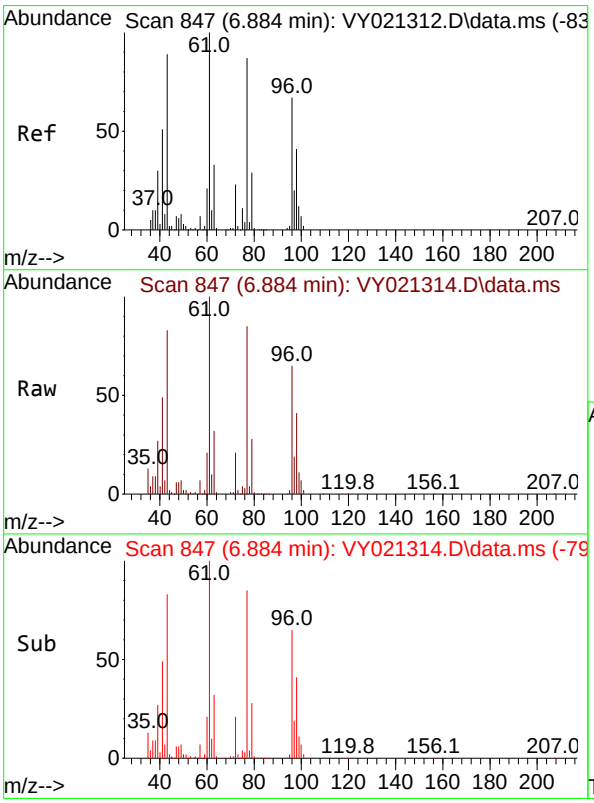
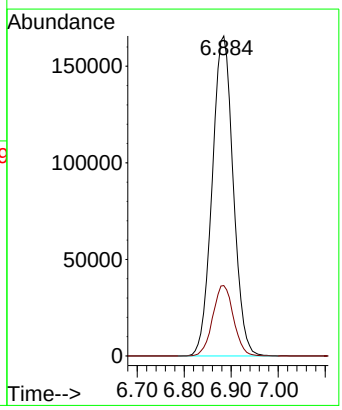
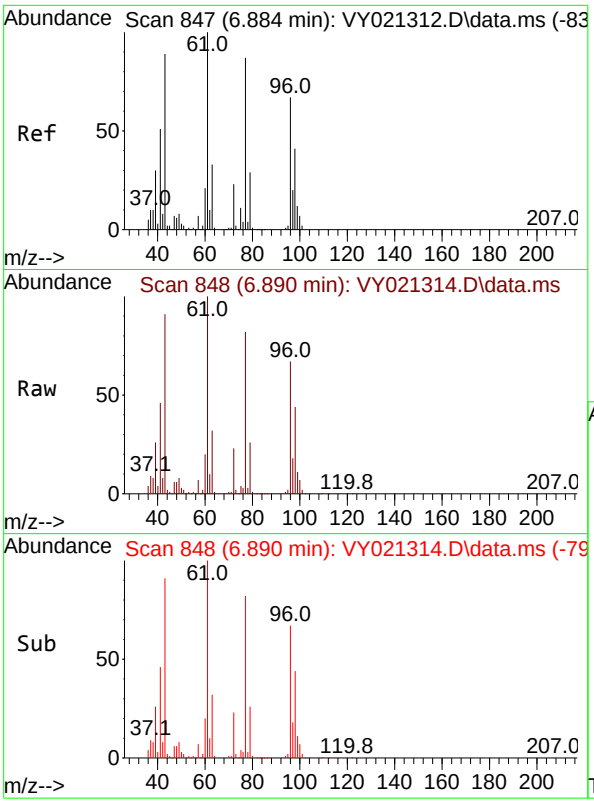


#26
2,2-Dichloropropane
Concen: 151.214 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 77 Resp: 515178

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

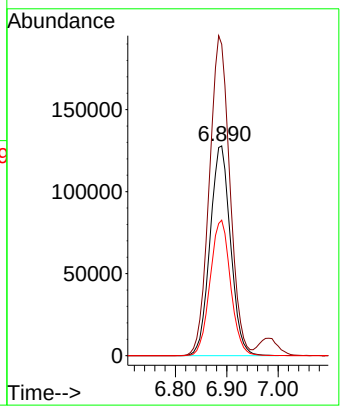




#27
cis-1,2-Dichloroethene
Concen: 155.519 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 35497

Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	308.0
98	64.4	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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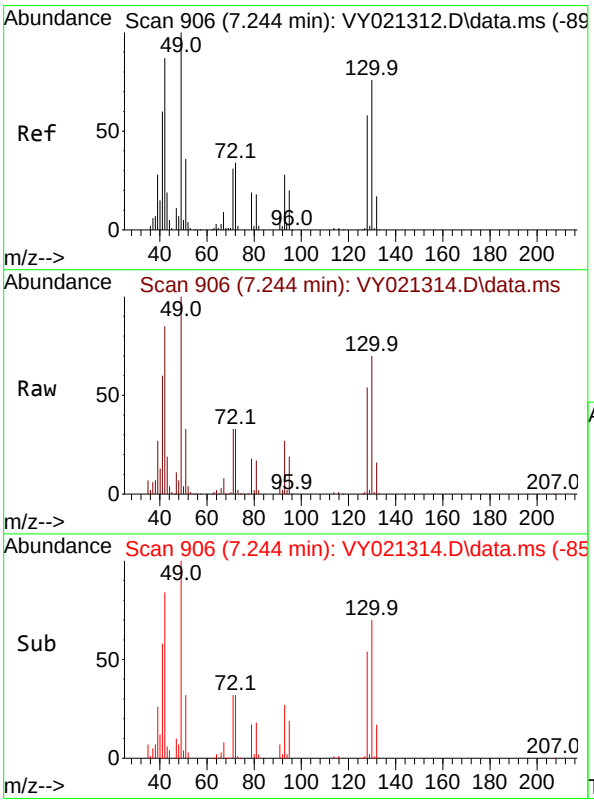
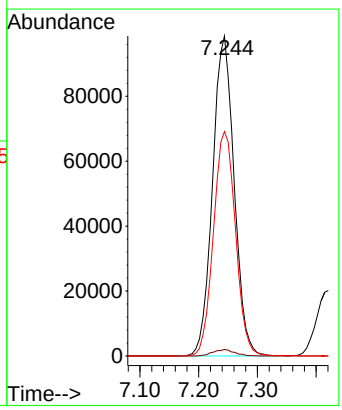
Supervised By :Mahesh Dadoda 02/26/2025

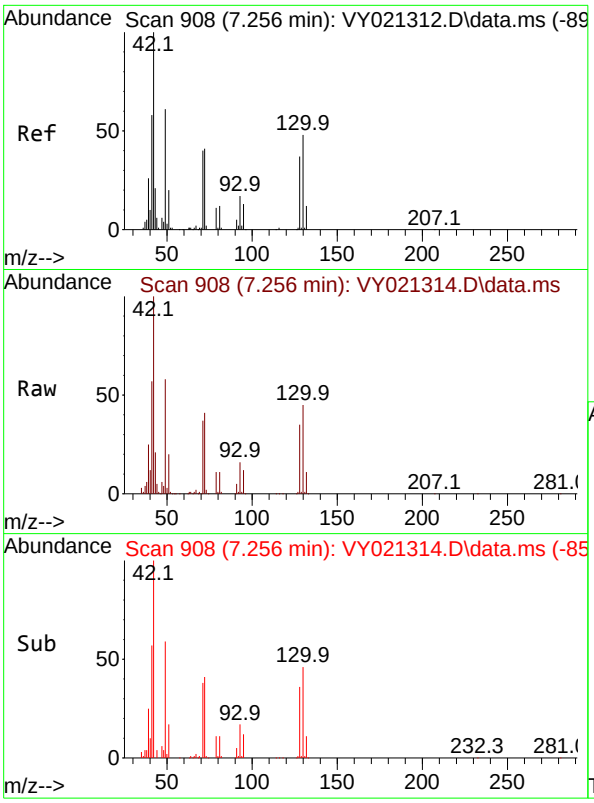


#28
Bromochloromethane
Concen: 151.227 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 49 Resp: 251245

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	71.7	57.8	86.6

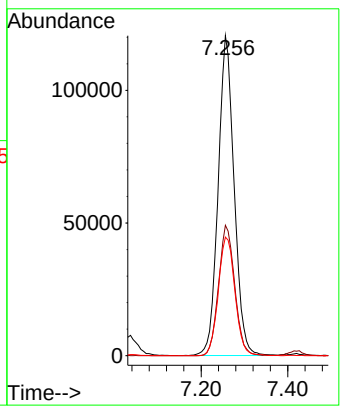




#29
Tetrahydrofuran
Concen: 797.978 ug/l
RT: 7.256 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 42 Resp: 30913(

Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.1	49.7
71	38.6	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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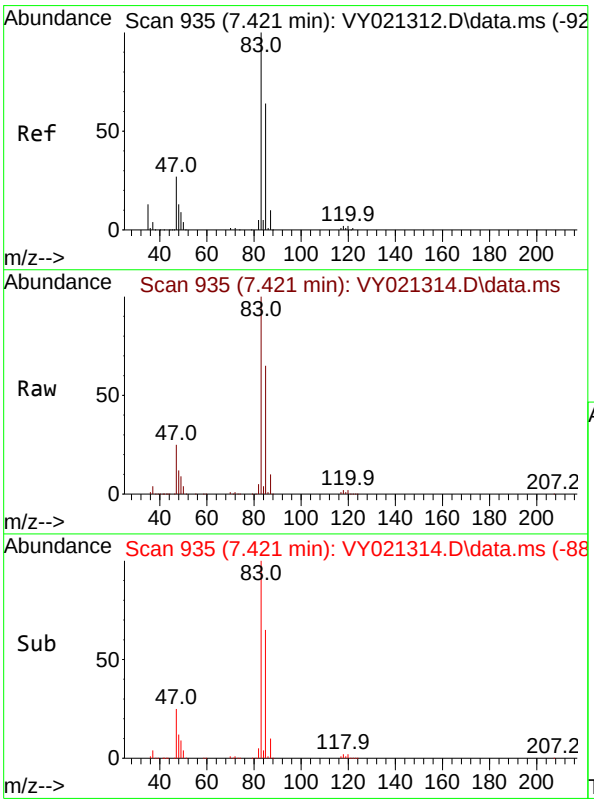
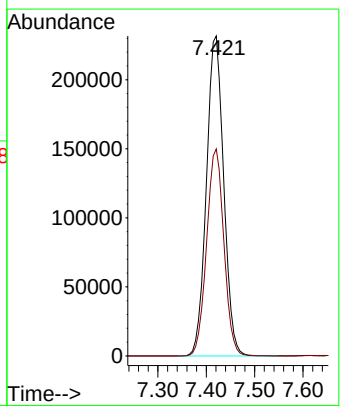
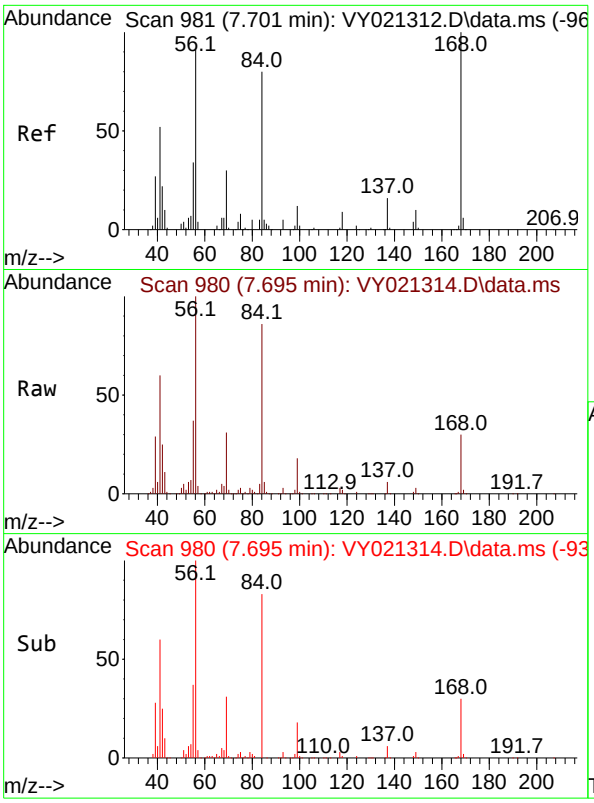


#30
Chloroform
Concen: 151.112 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 574920

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.6	77.4

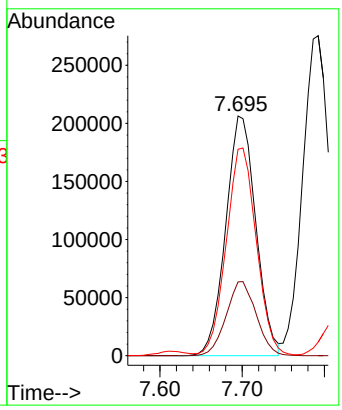




#31
Cyclohexane
Concen: 145.637 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 56 Resp: 52563

Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.2	39.4
84	84.4	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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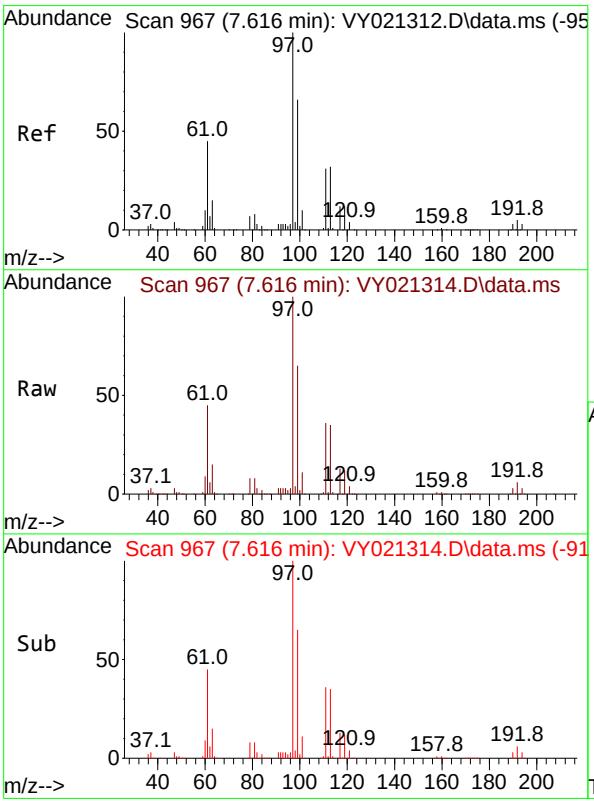
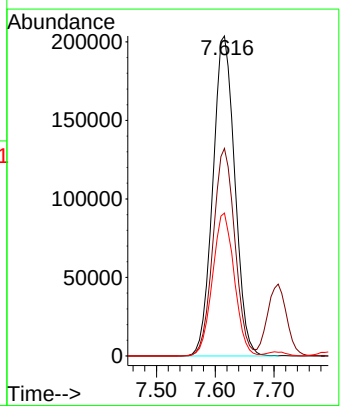
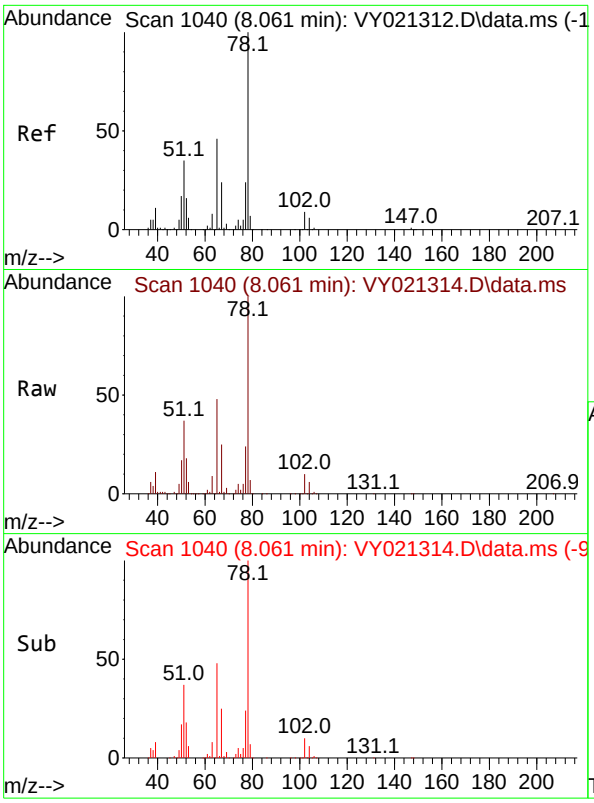


#32
1,1,1-Trichloroethane
Concen: 152.986 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 97 Resp: 529792

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.4	78.6
61	44.4	36.2	54.2

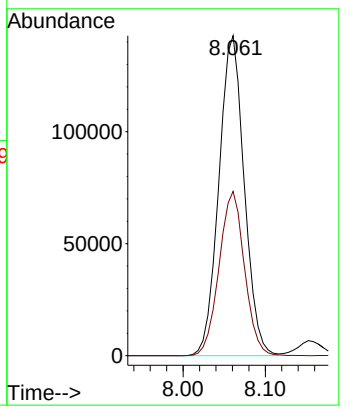




#33
1,2-Dichloroethane-d4
Concen: 149.582 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 65 Resp: 30621

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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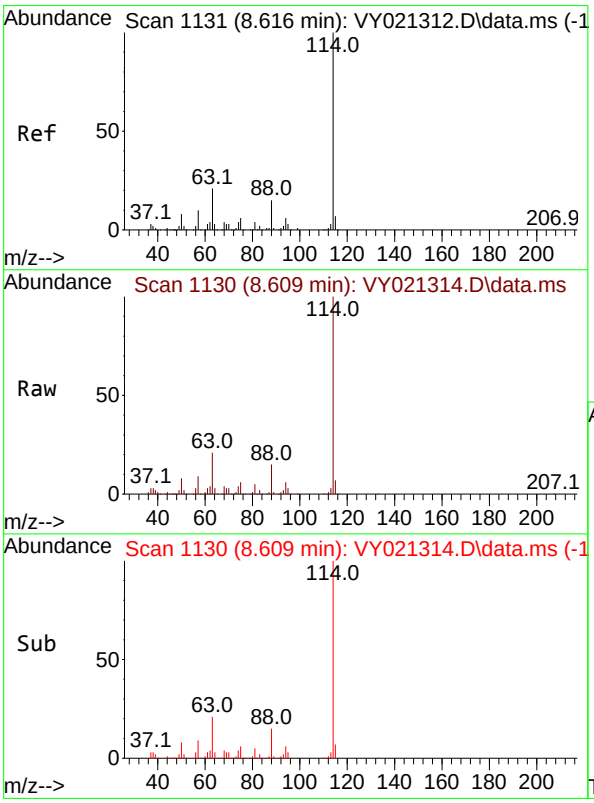
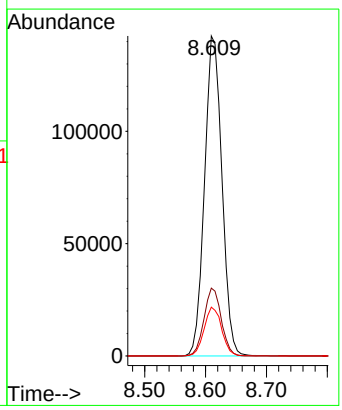
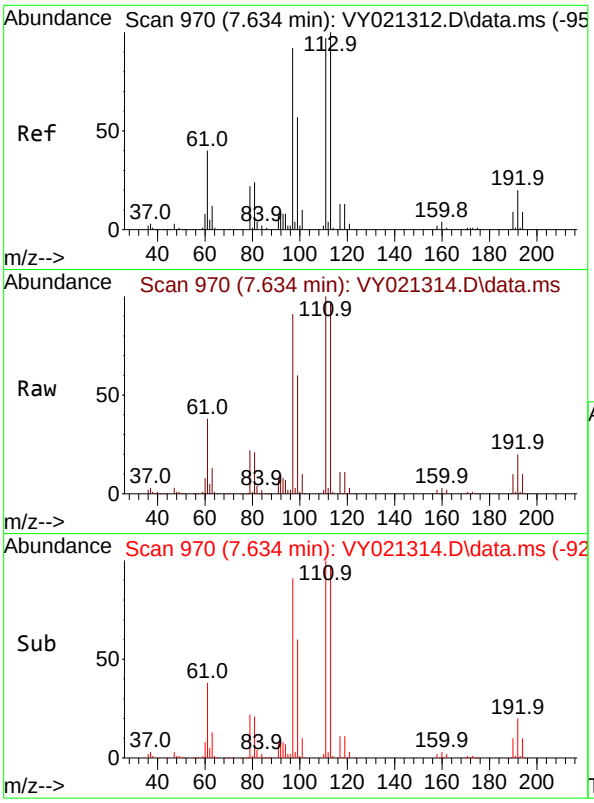


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:114 Resp: 283003

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.2
88	15.3	0.0	29.8

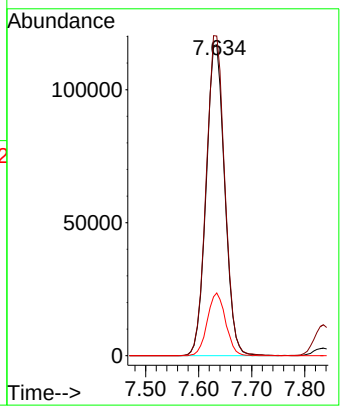




#35
Dibromofluoromethane
Concen: 152.818 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:113 Resp: 28353

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.6
192	19.9	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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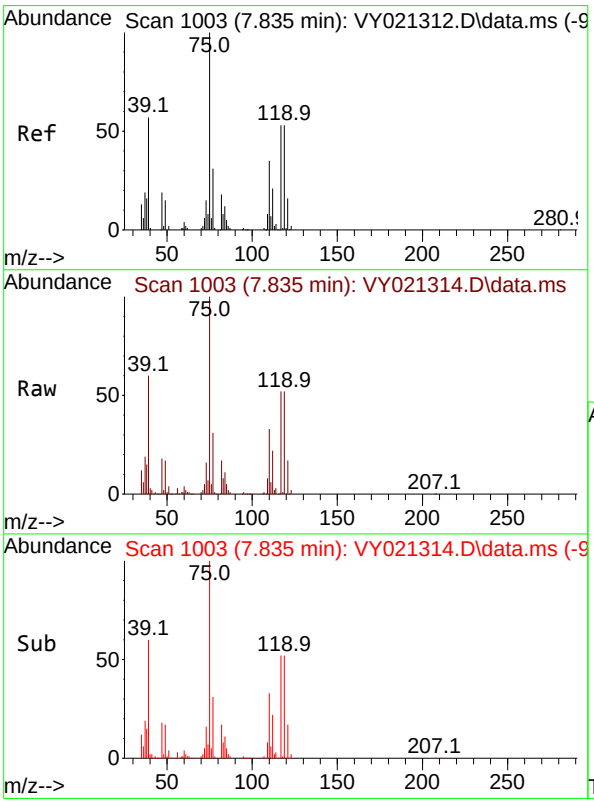
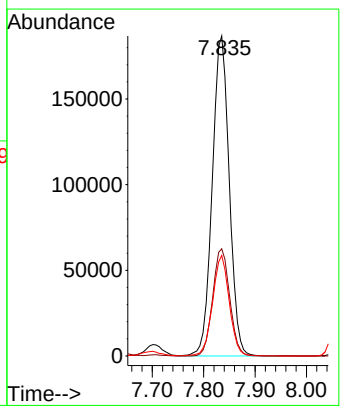
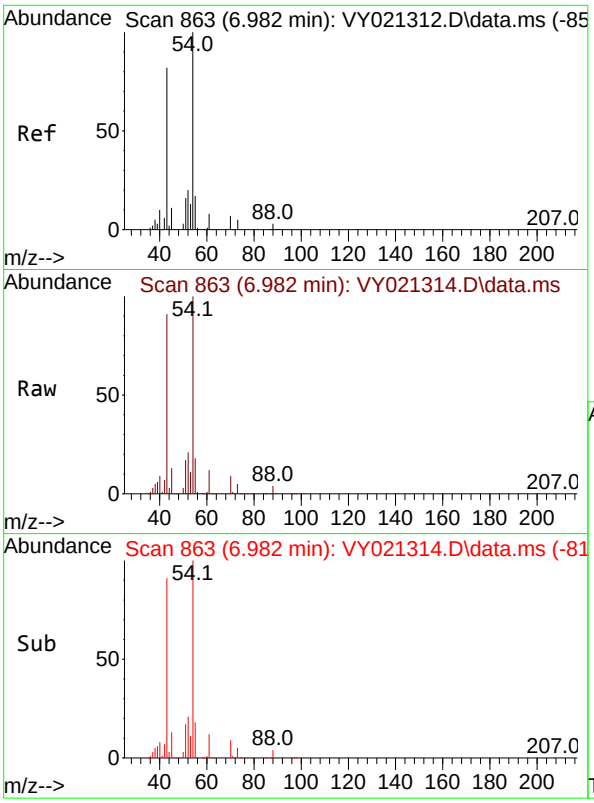


#36
1,1-Dichloropropene
Concen: 153.985 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 429157

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	30.8	24.6	36.8

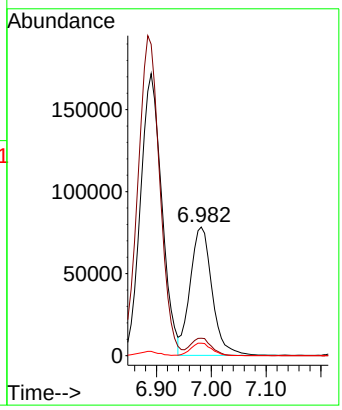




#37
Ethyl Acetate
Concen: 156.470 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 21692

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	9.4	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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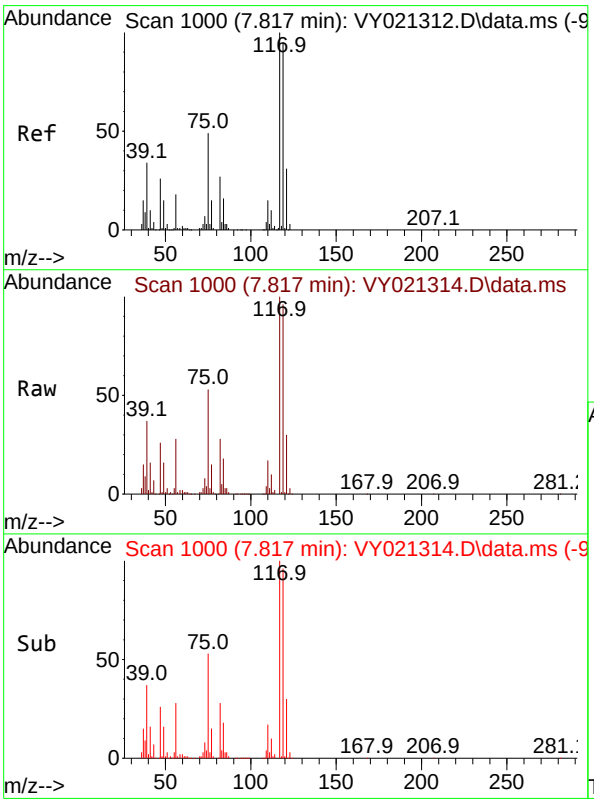
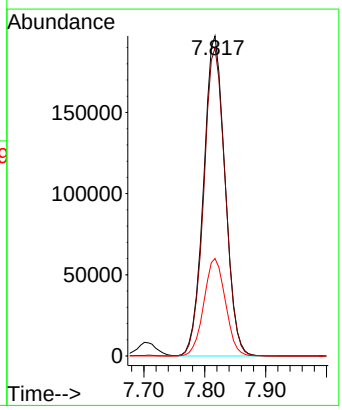
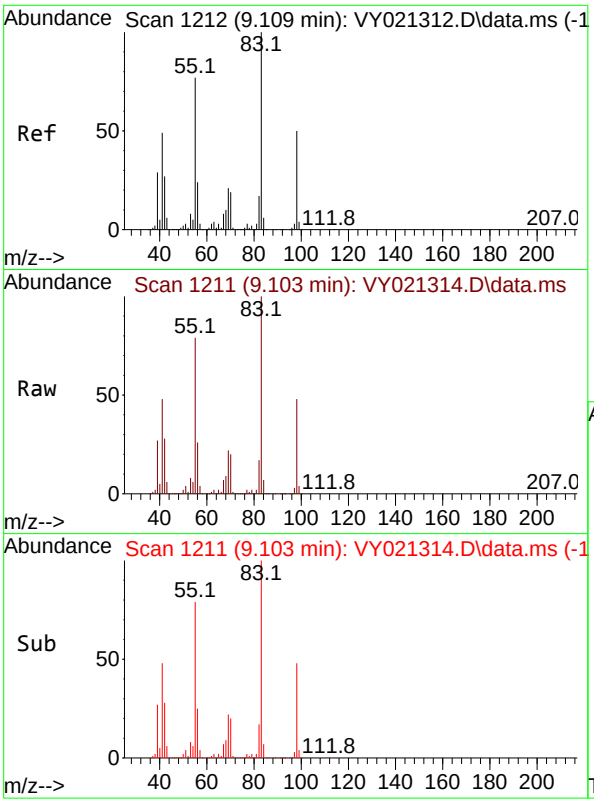


#38
Carbon Tetrachloride
Concen: 153.764 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 481774

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.0	114.0
121	30.5	24.9	37.3

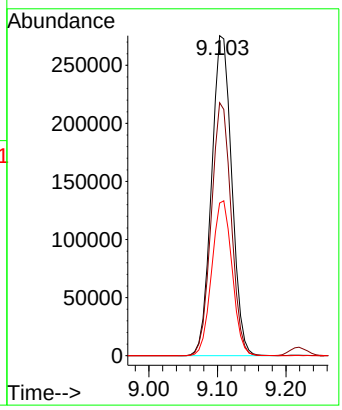




#39
Methylcyclohexane
Concen: 159.752 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 56313

Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.3	91.9
98	47.7	39.9	59.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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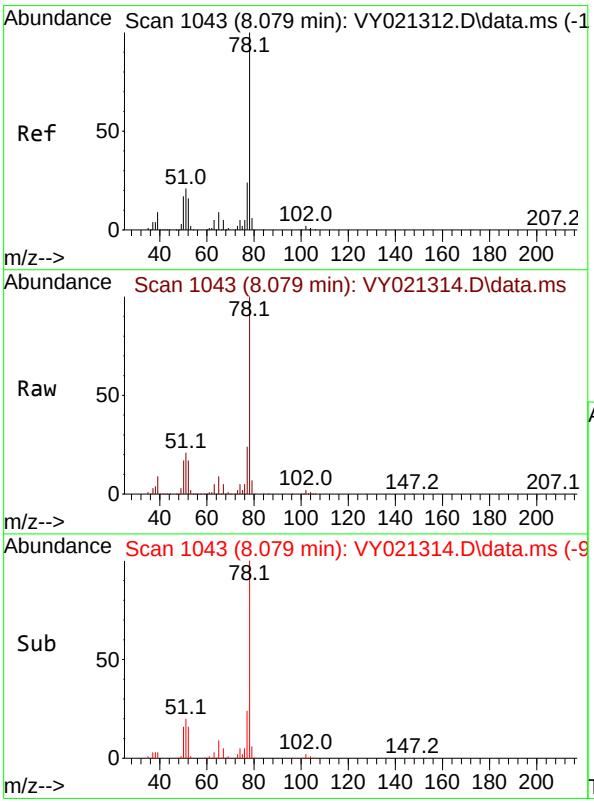
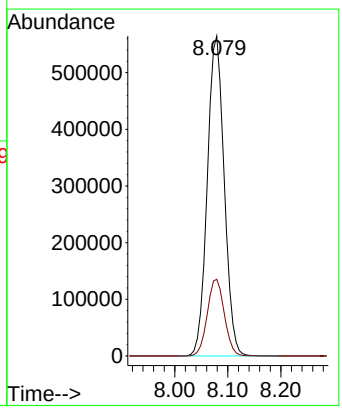
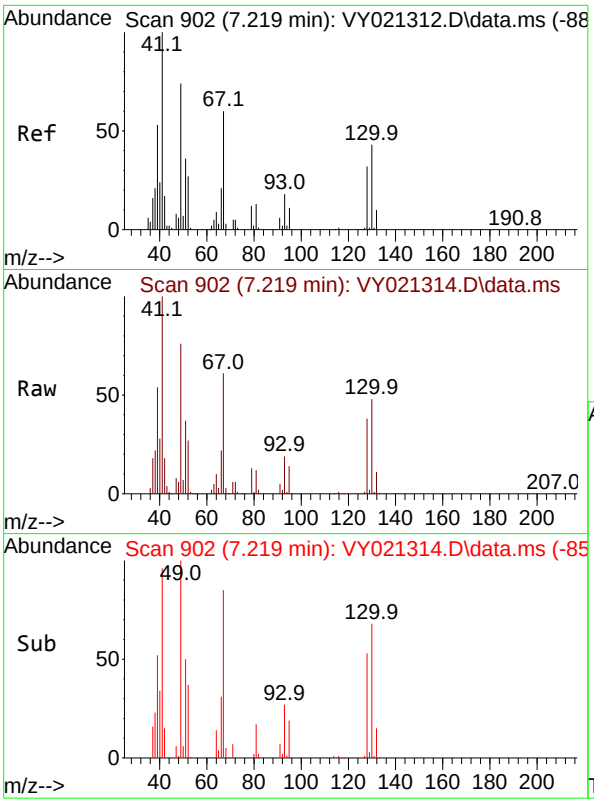


#40
Benzene
Concen: 151.673 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 78 Resp: 1249573

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8

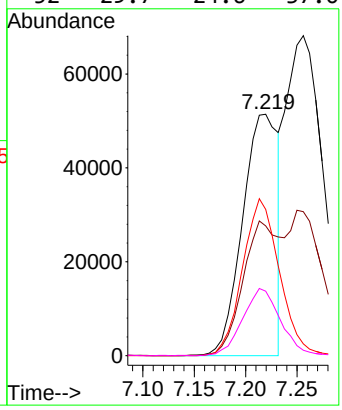




#41
Methacrylonitrile
Concen: 159.542 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 12366

Ion	Ratio	Lower	Upper
41	100		
39	61.3	42.3	63.5
67	67.7	54.8	82.2
52	29.7	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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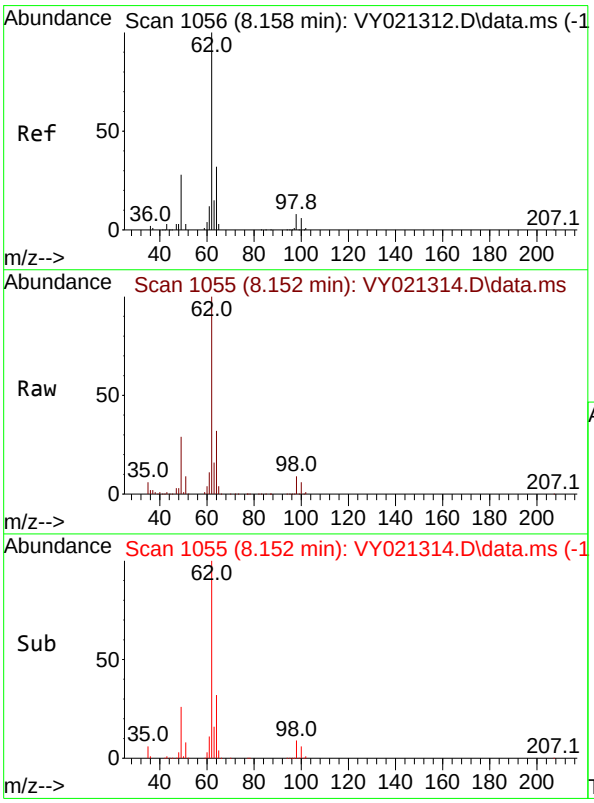
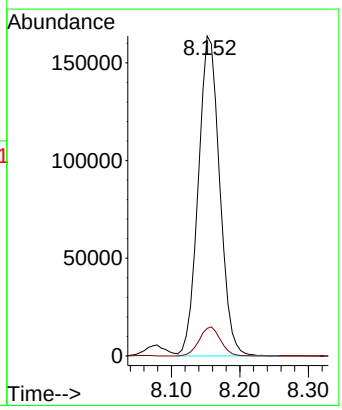
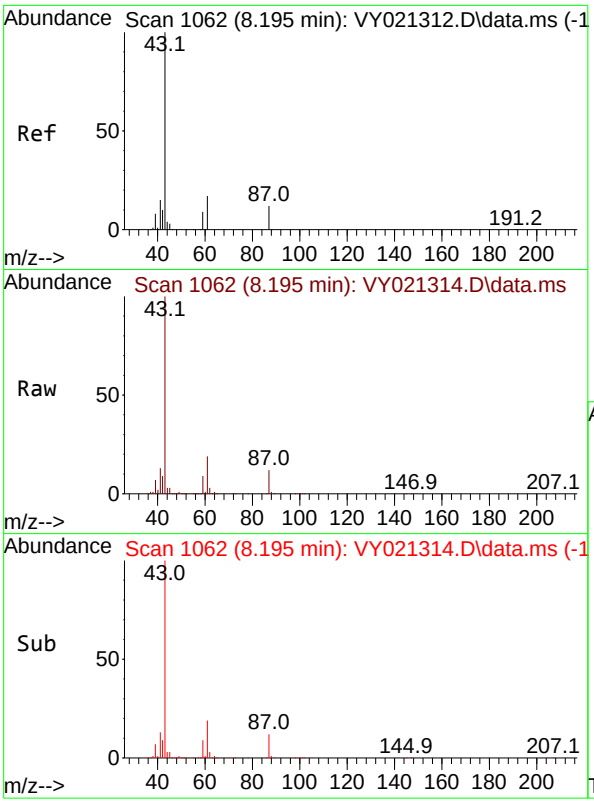


#42
1,2-Dichloroethane
Concen: 152.036 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 355374

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6

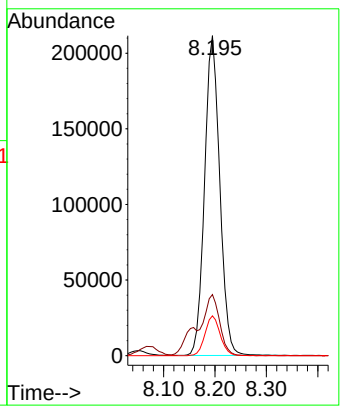




#43
Isopropyl Acetate
Concen: 161.641 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 43374

Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.0	22.6
87	12.4	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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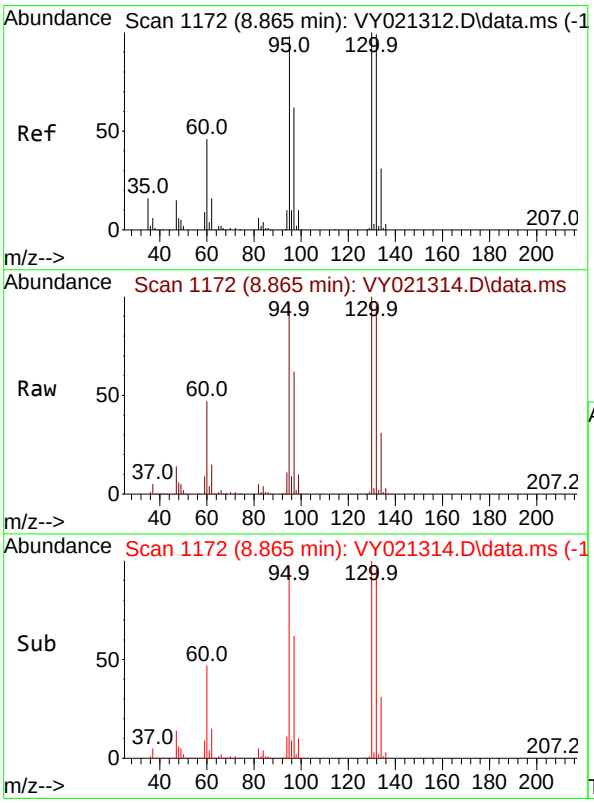
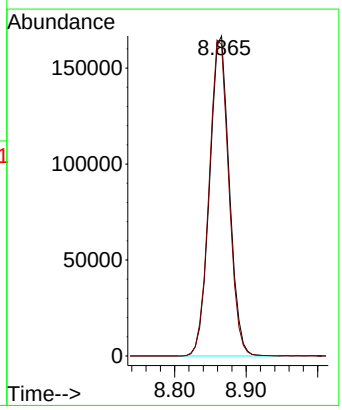
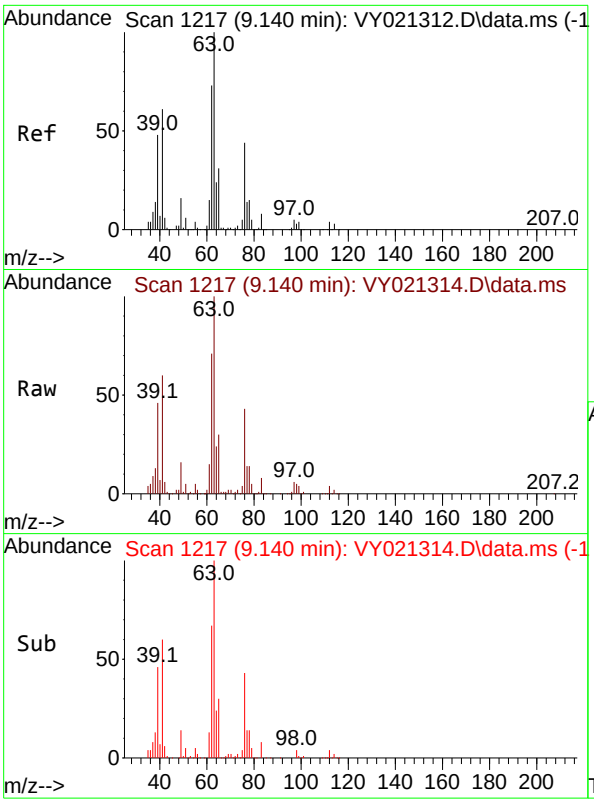


#44
Trichloroethene
Concen: 154.457 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:130 Resp: 318590

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	196.0

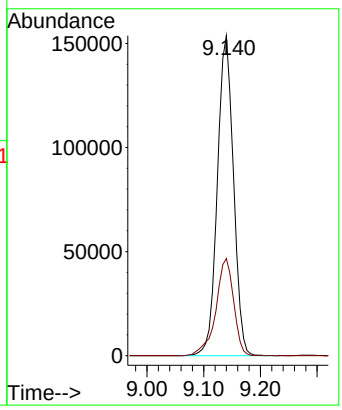




#45
1,2-Dichloropropane
Concen: 152.809 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 30296

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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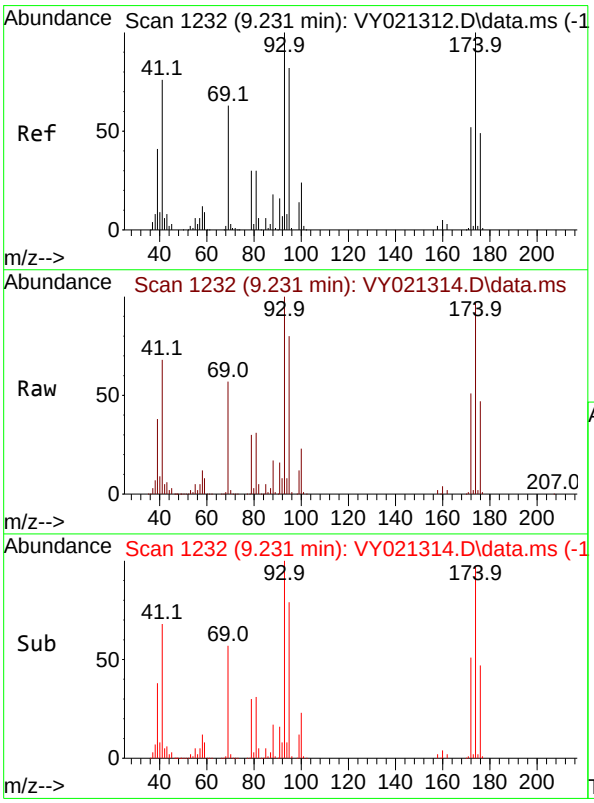
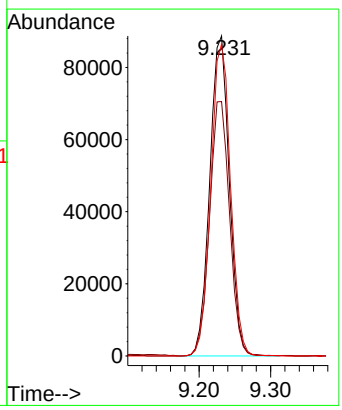
Supervised By :Mahesh Dadoda 02/26/2025

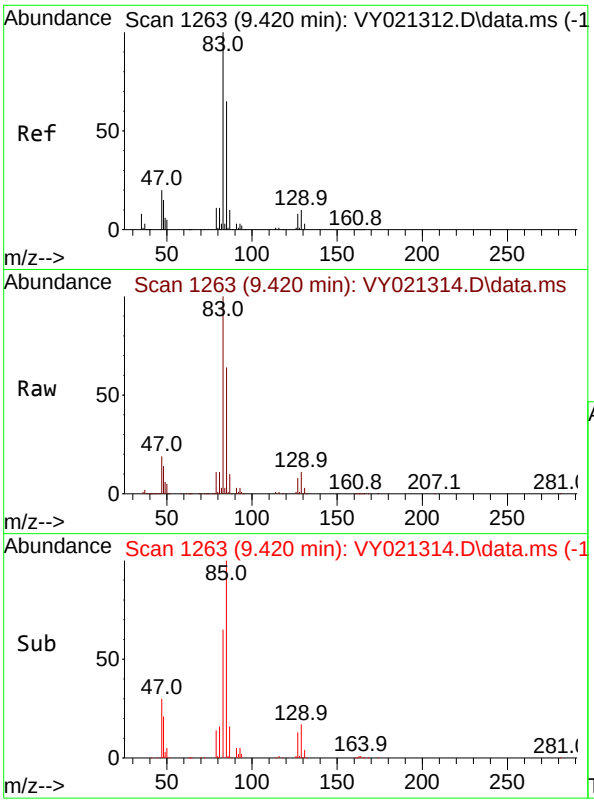


#46
Dibromomethane
Concen: 155.620 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 93 Resp: 168654

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.4	99.6
174	98.2	78.2	117.2

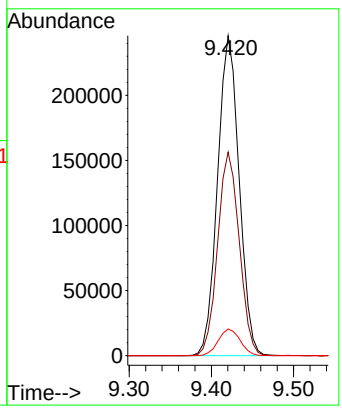




#47
Bromodichloromethane
Concen: 155.172 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 44839

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.8
127	8.4	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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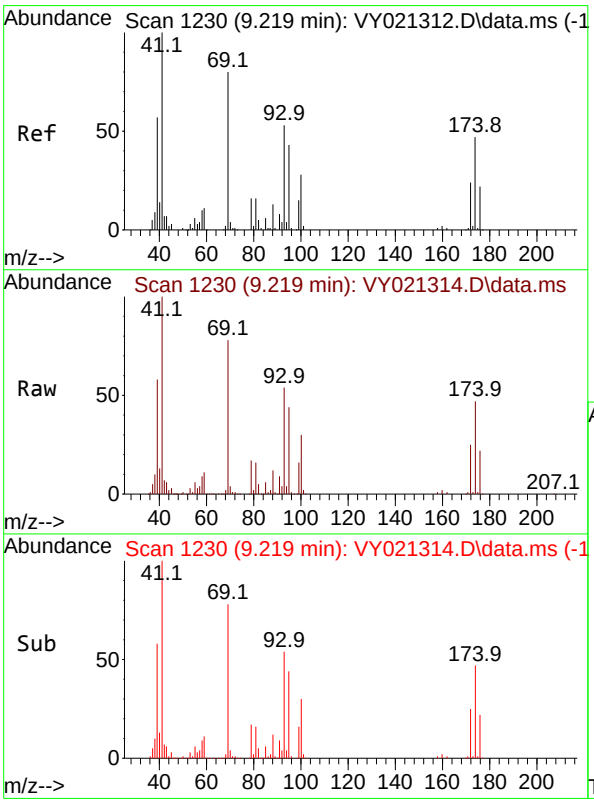
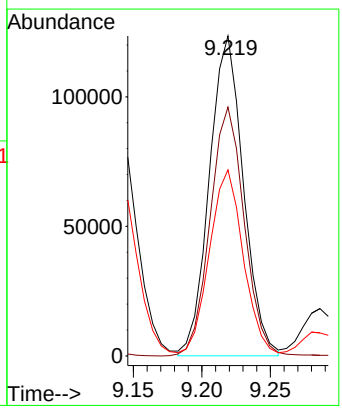
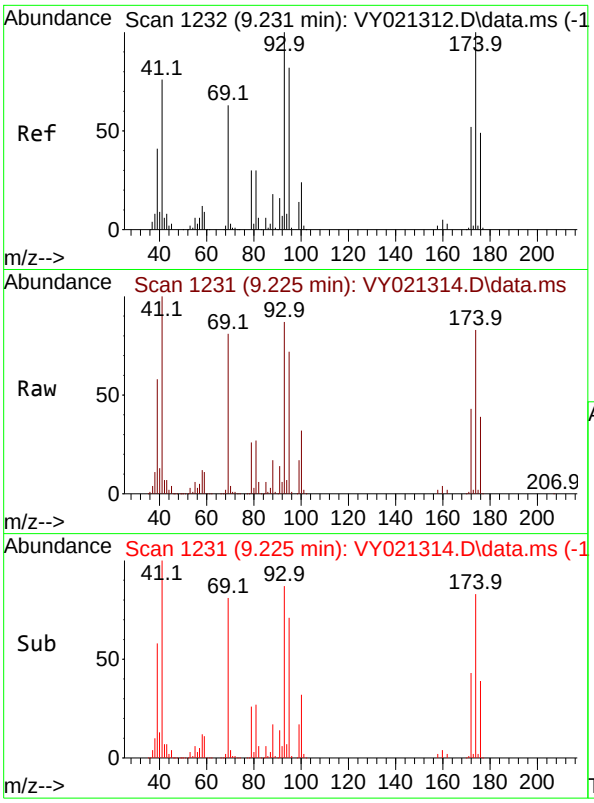


#48
Methyl methacrylate
Concen: 169.923 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 213222

Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.3	94.9
39	56.2	45.0	67.6

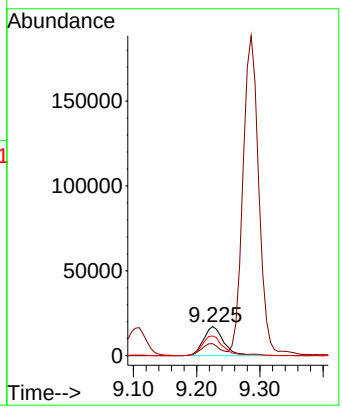




#49
1,4-Dioxane
Concen: 3165.209 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 88 Resp: 3814

Ion	Ratio	Lower	Upper
88	100		
43	38.4	34.8	52.2
58	68.6	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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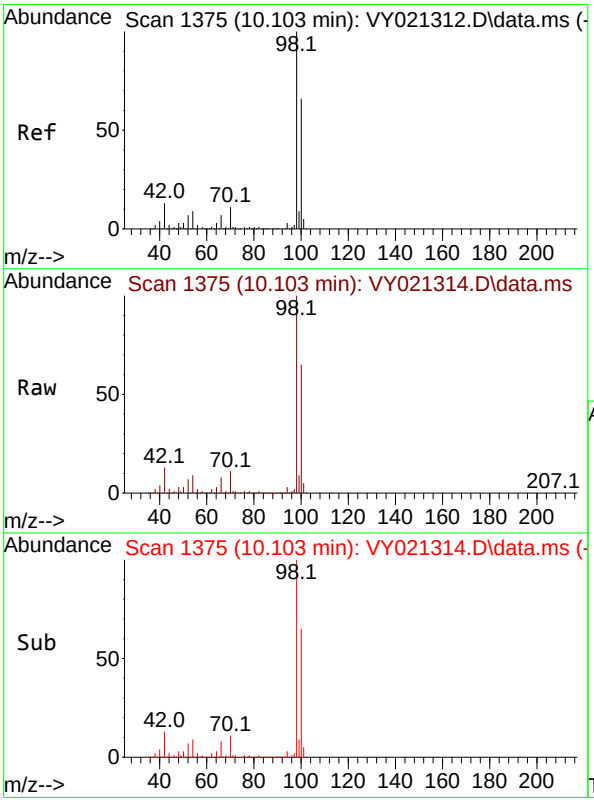
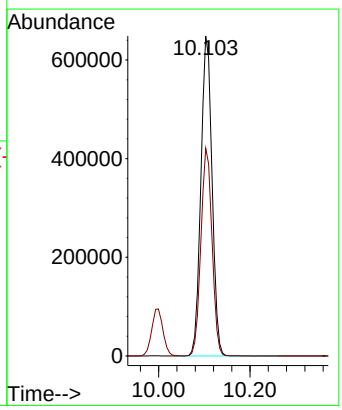
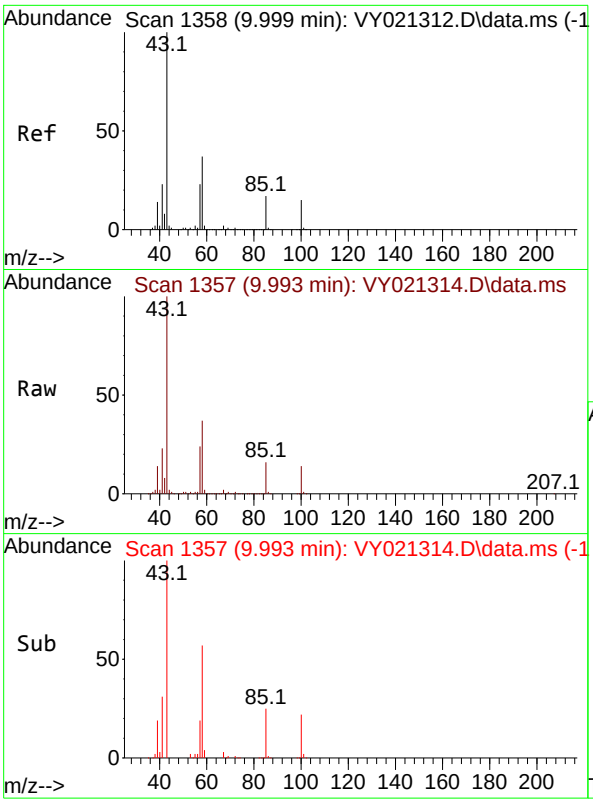


#50
Toluene-d8
Concen: 152.682 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 98 Resp: 1094820

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6

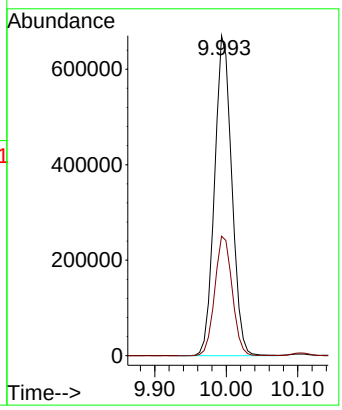




#51
4-Methyl-2-Pentanone
Concen: 816.471 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 112150

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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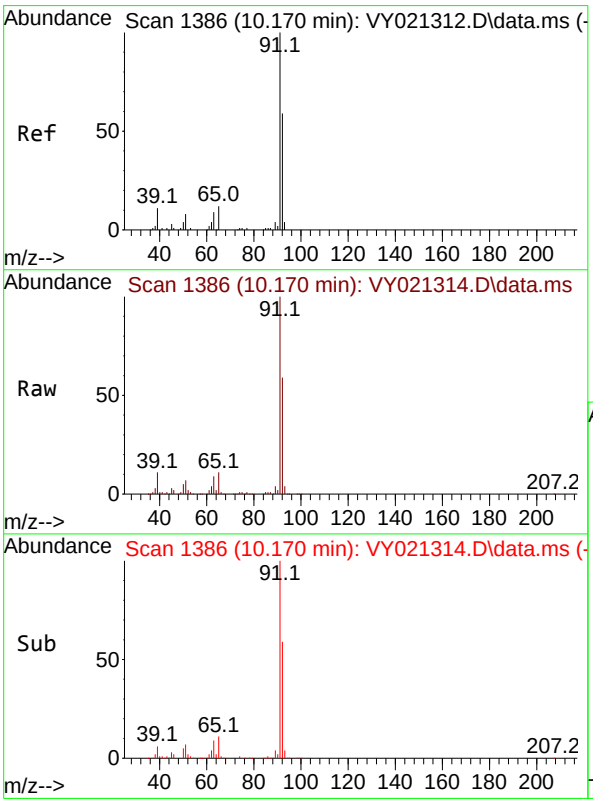
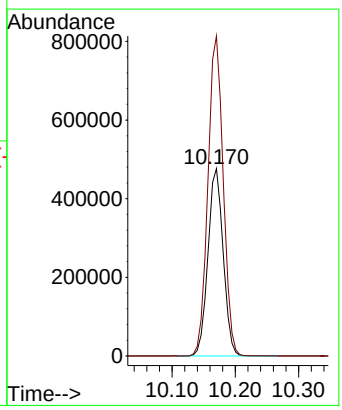
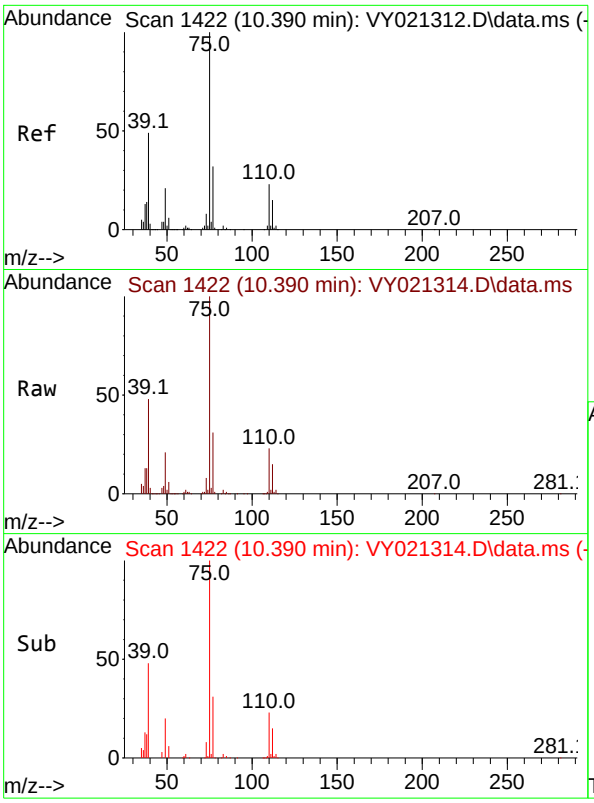


#52
Toluene
Concen: 155.232 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 92 Resp: 794485

Ion	Ratio	Lower	Upper
92	100		
91	172.2	137.8	206.8

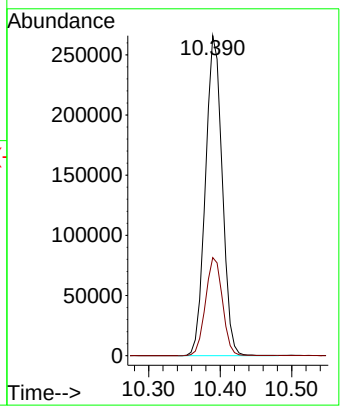




#53
t-1,3-Dichloropropene
Concen: 163.384 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 43256

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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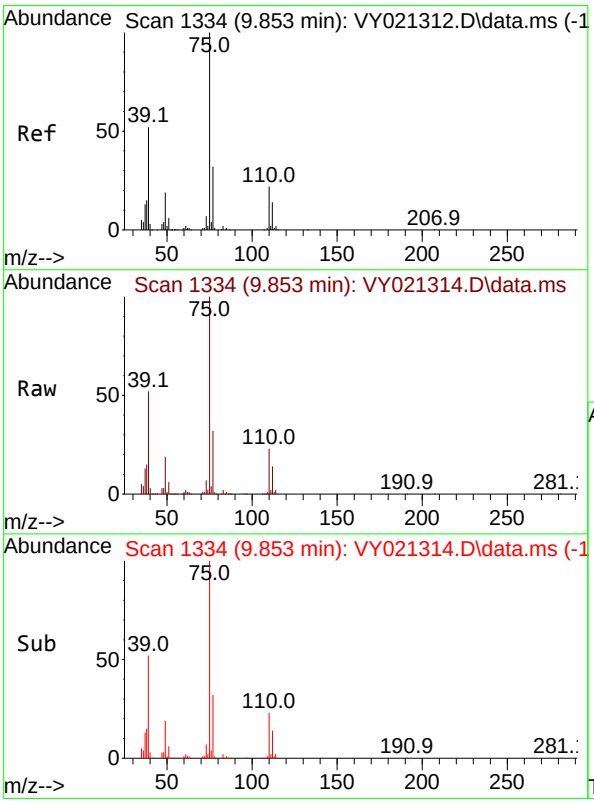
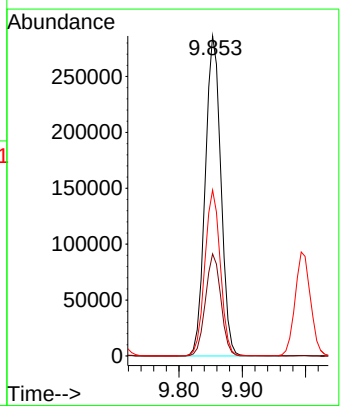
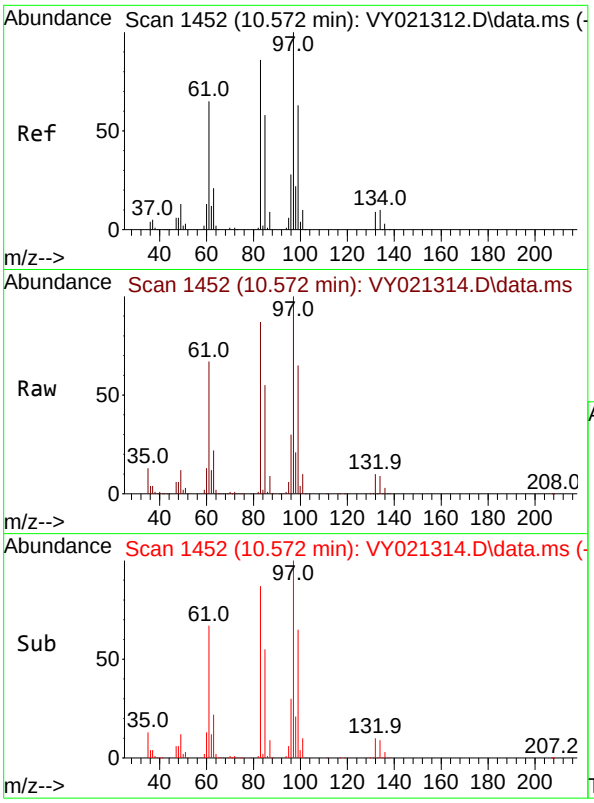


#54
cis-1,3-Dichloropropene
Concen: 157.928 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 493601

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
39	51.8	41.8	62.6

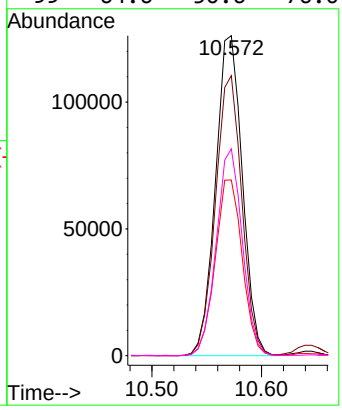




#55
1,1,2-Trichloroethane
Concen: 152.506 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 97 Resp: 21531

Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.7	103.1
85	54.8	46.3	69.5
99	64.6	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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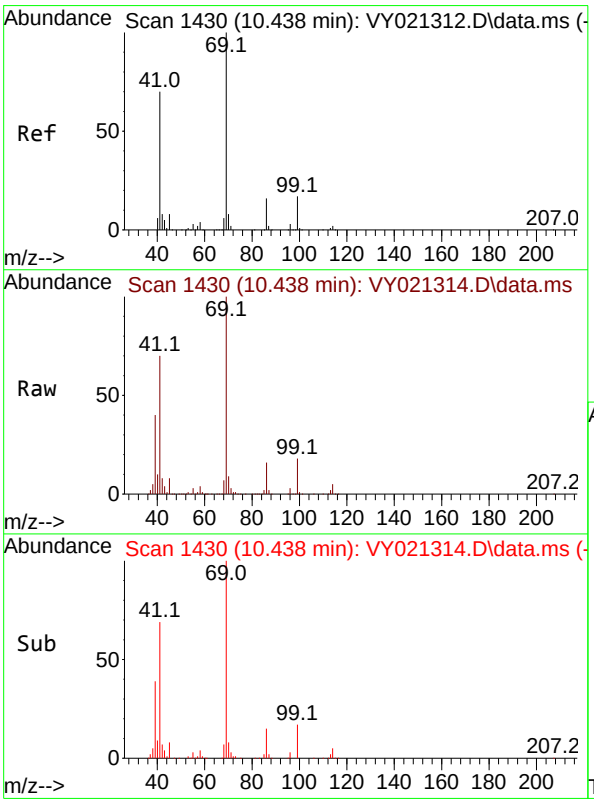
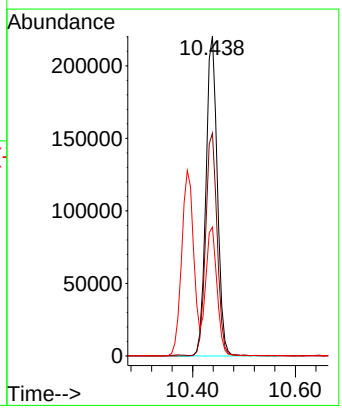
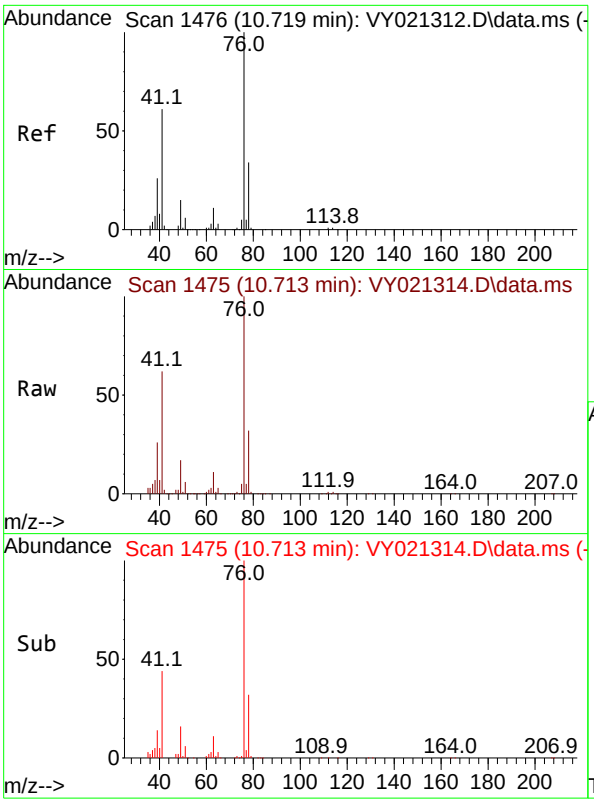


#56
Ethyl methacrylate
Concen: 173.168 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 69 Resp: 337816

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	40.0	32.7	49.1

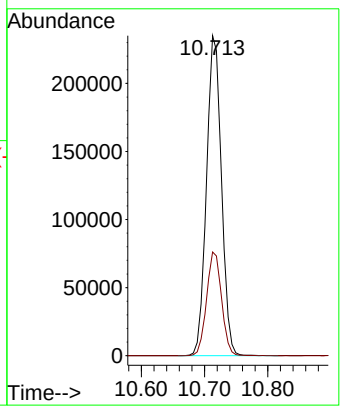




#57
1,3-Dichloropropane
Concen: 155.726 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 76 Resp: 38580

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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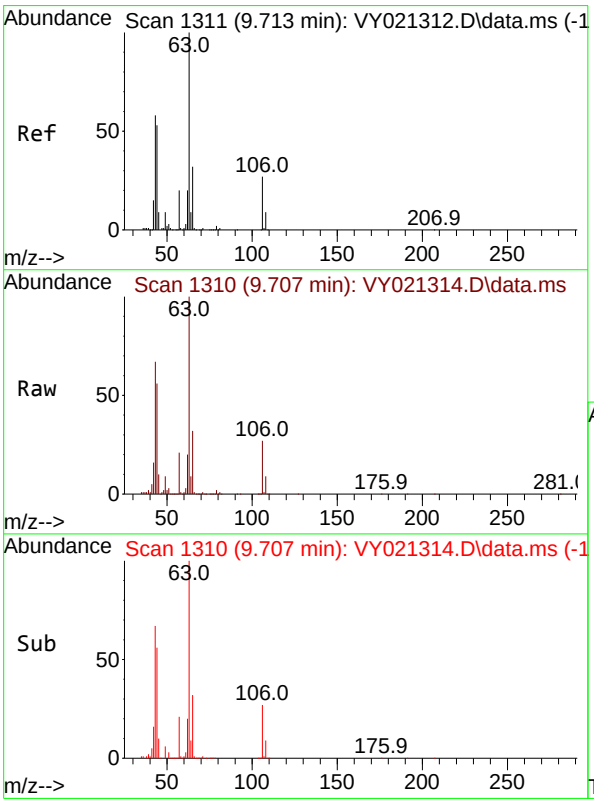
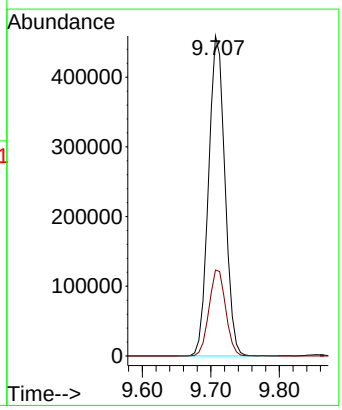
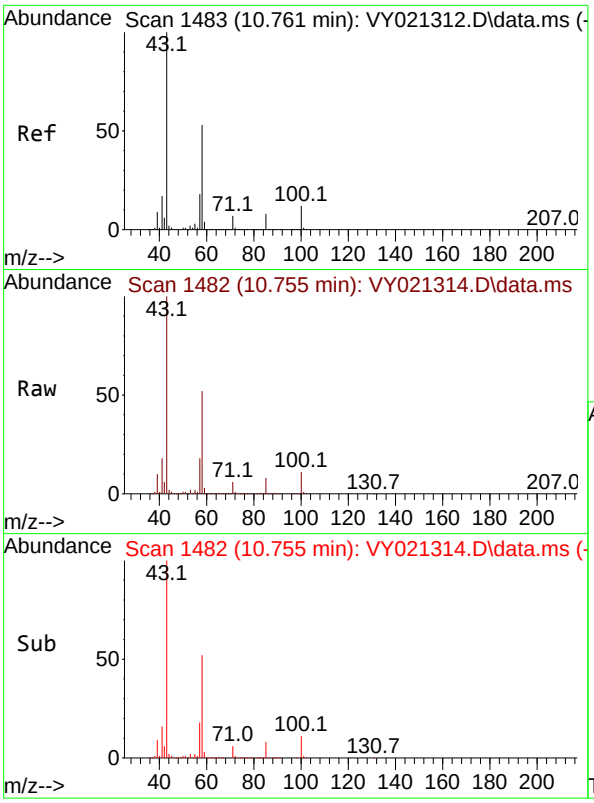


#58
2-Chloroethyl Vinyl ether
Concen: 812.859 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 761125

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.7	32.5

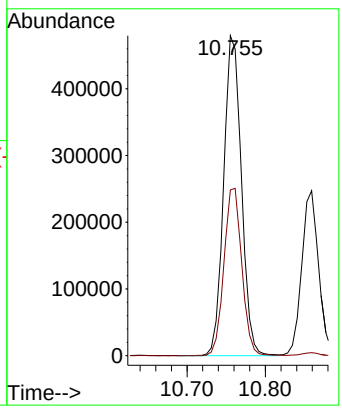




#59
2-Hexanone
Concen: 836.458 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 75457

Ion	Ratio	Lower	Upper
43	100		
58	52.8	25.9	77.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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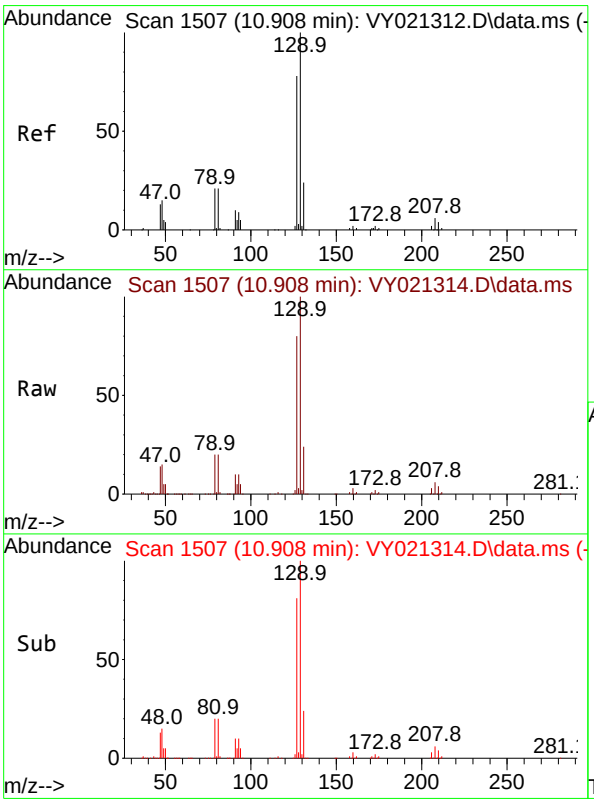
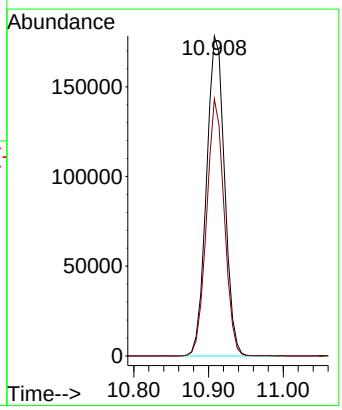
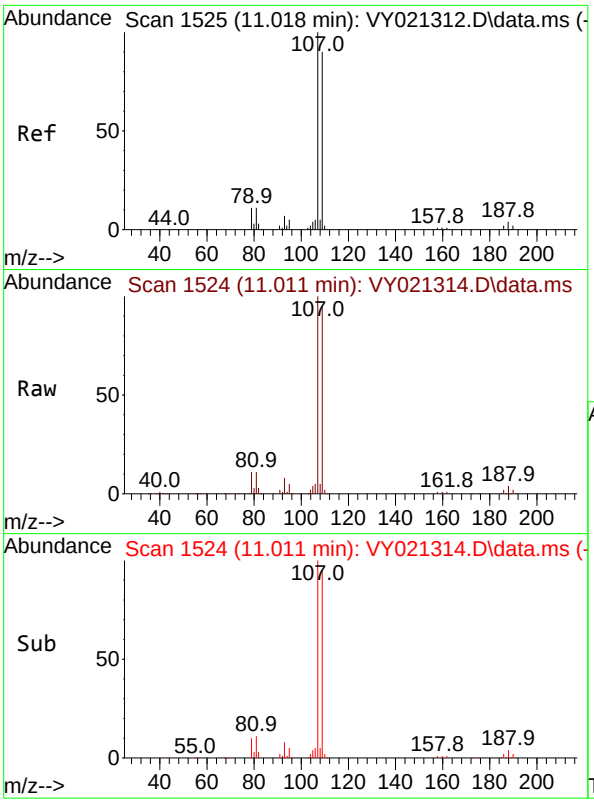


#60
Dibromochloromethane
Concen: 155.598 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:129 Resp: 299188

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.8	116.4

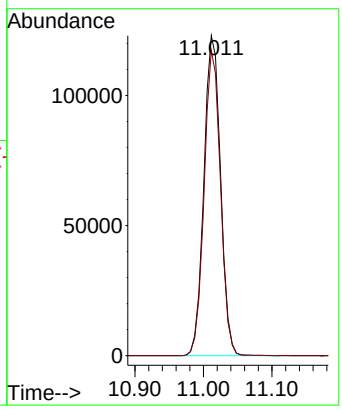




#61
1,2-Dibromoethane
Concen: 155.651 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:107 Resp: 20804

Ion	Ratio	Lower	Upper
107	100		
109	93.7	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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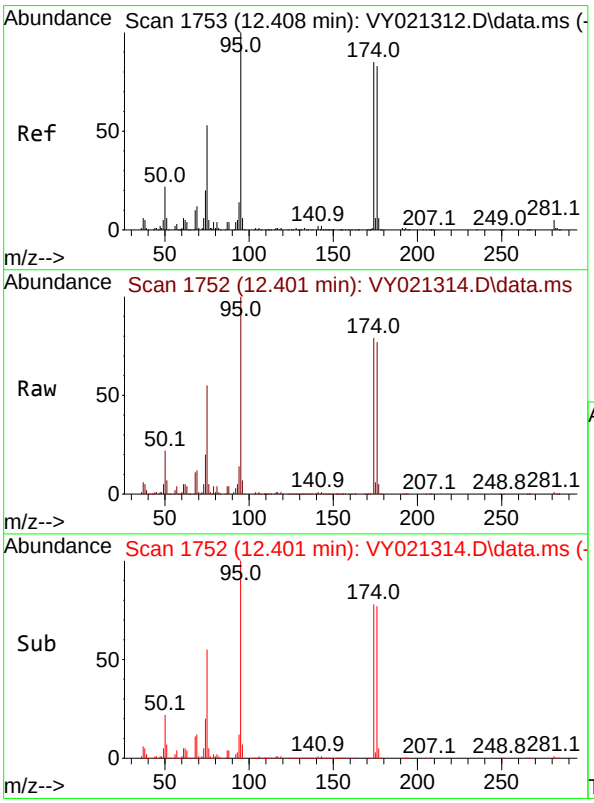
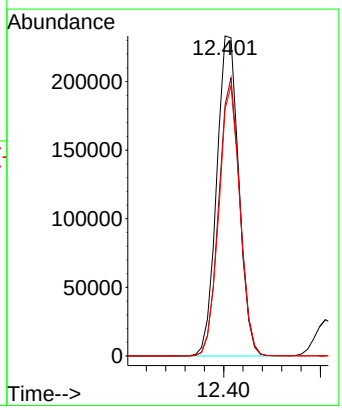
Supervised By :Mahesh Dadoda 02/26/2025

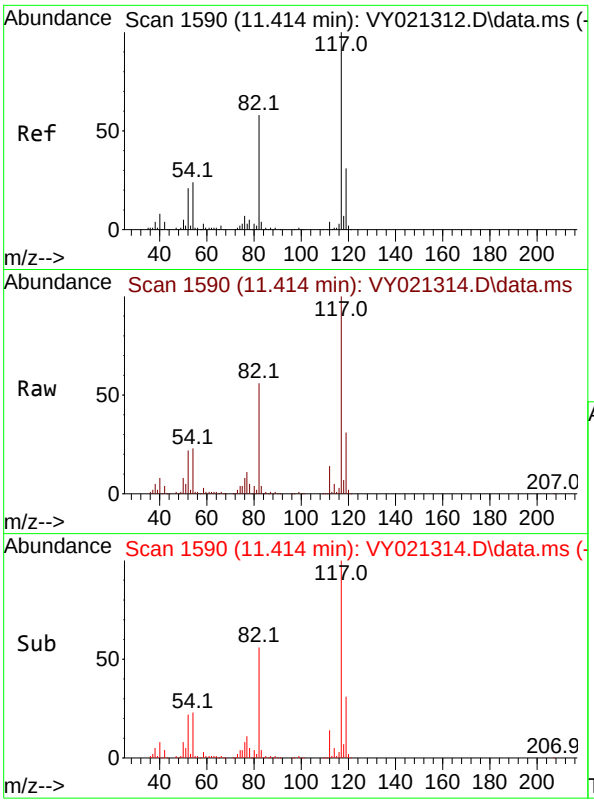


#62
4-Bromofluorobenzene
Concen: 152.937 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 95 Resp: 369071

Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	168.0
176	80.5	0.0	162.6

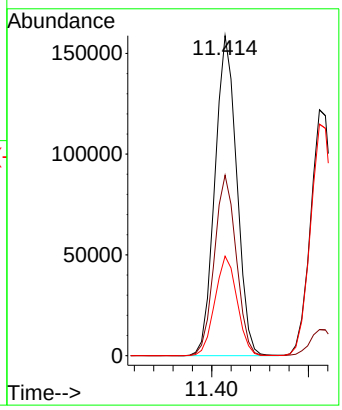




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 24849

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.2	69.4
119	31.1	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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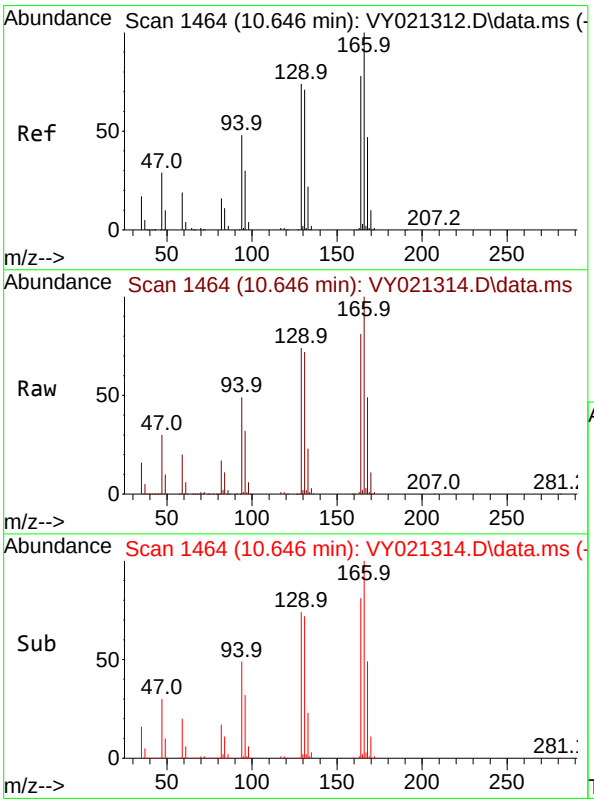
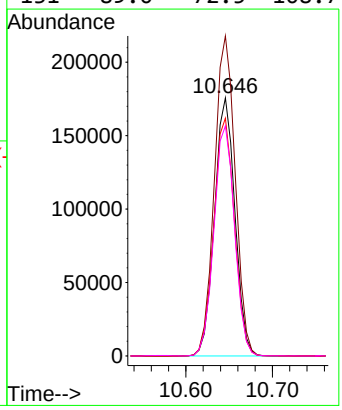
Supervised By :Mahesh Dadoda 02/26/2025

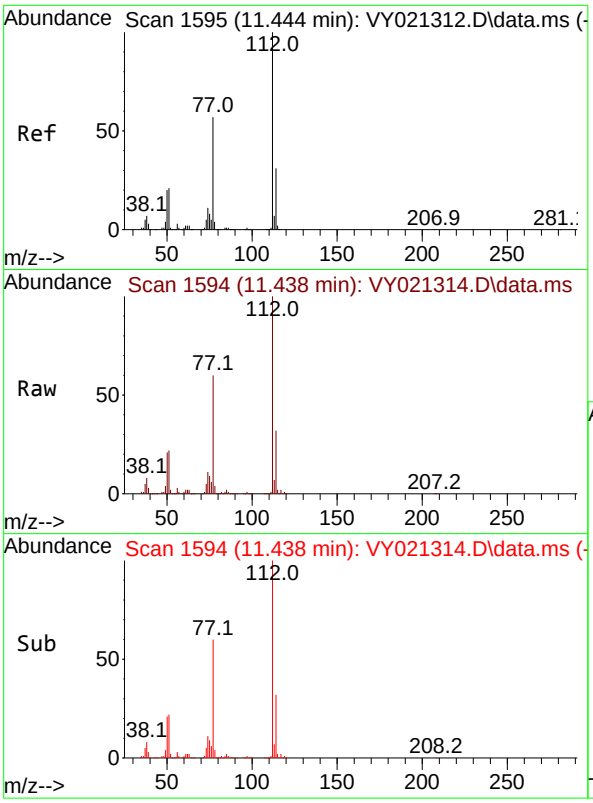


#64
Tetrachloroethene
Concen: 153.351 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:164 Resp: 288026

Ion	Ratio	Lower	Upper
164	100		
166	124.0	101.9	152.9
129	92.1	75.5	113.3
131	89.0	72.5	108.7

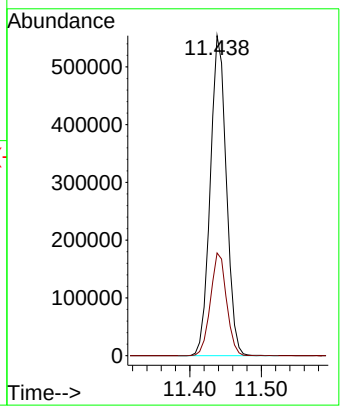




#65
Chlorobenzene
Concen: 154.837 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:112 Resp: 86367

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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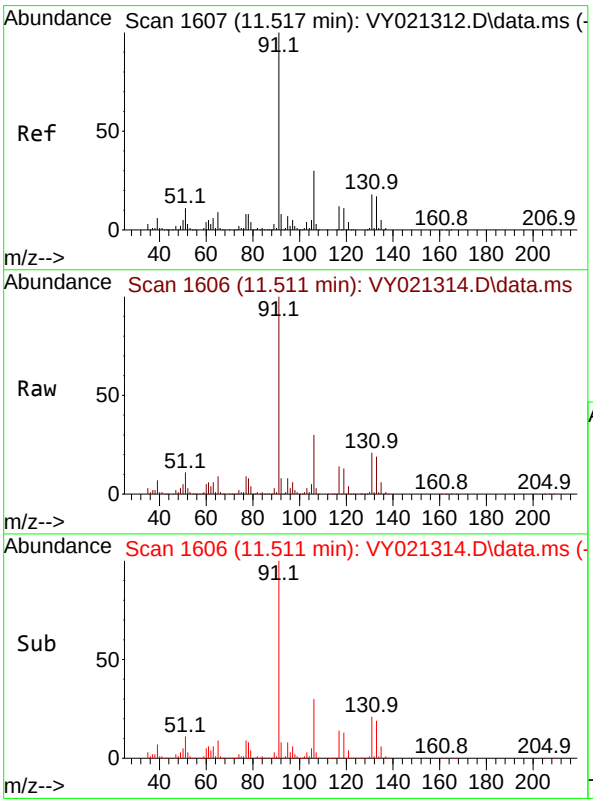
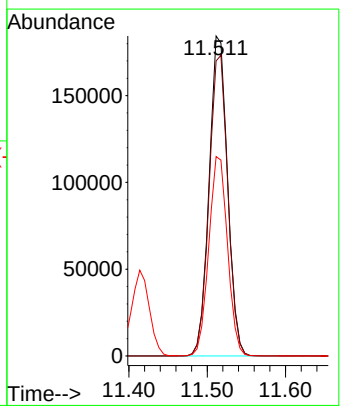
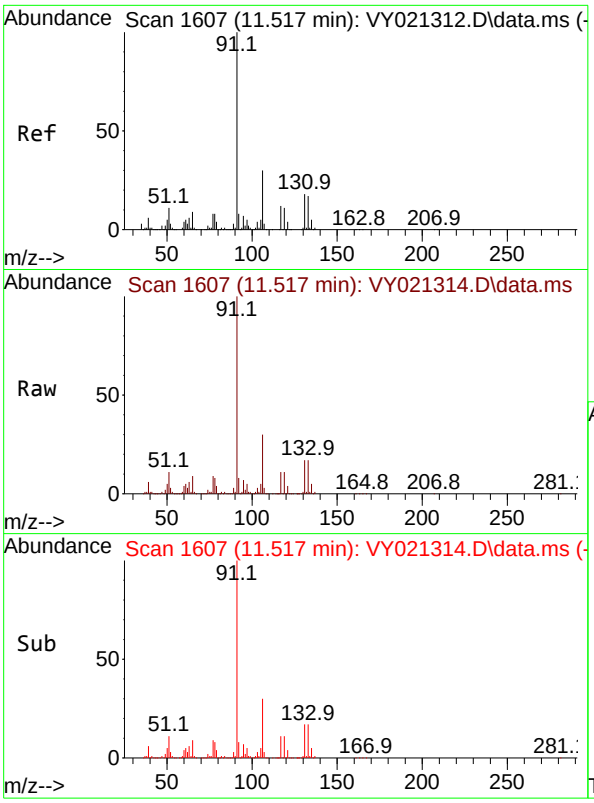


#66
1,1,1,2-Tetrachloroethane
Concen: 154.234 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:131 Resp: 301244

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.9	143.6
119	63.3	31.7	95.1

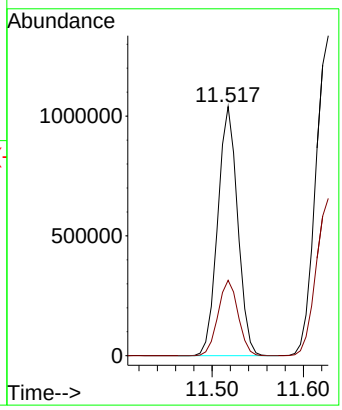




#67
Ethyl Benzene
Concen: 159.586 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 157674

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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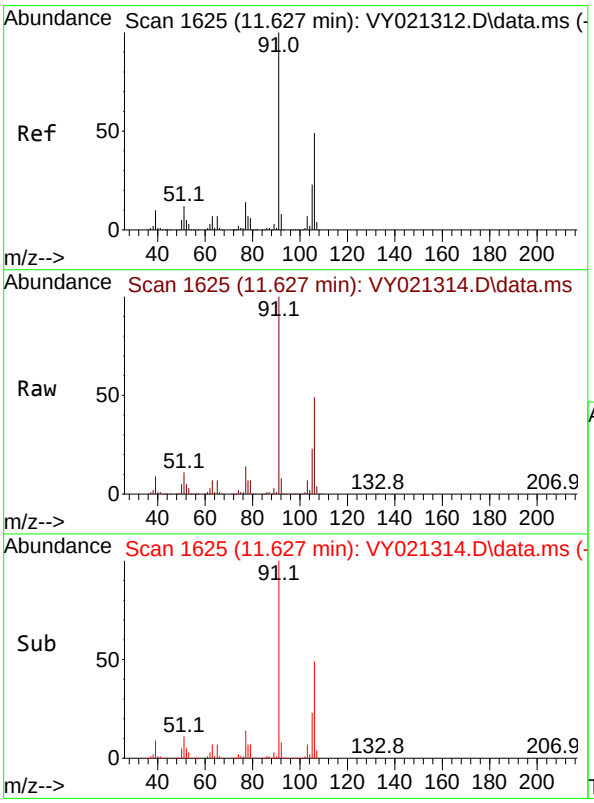
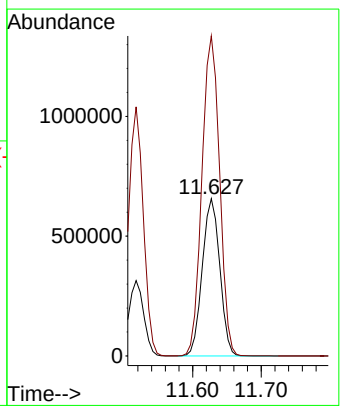
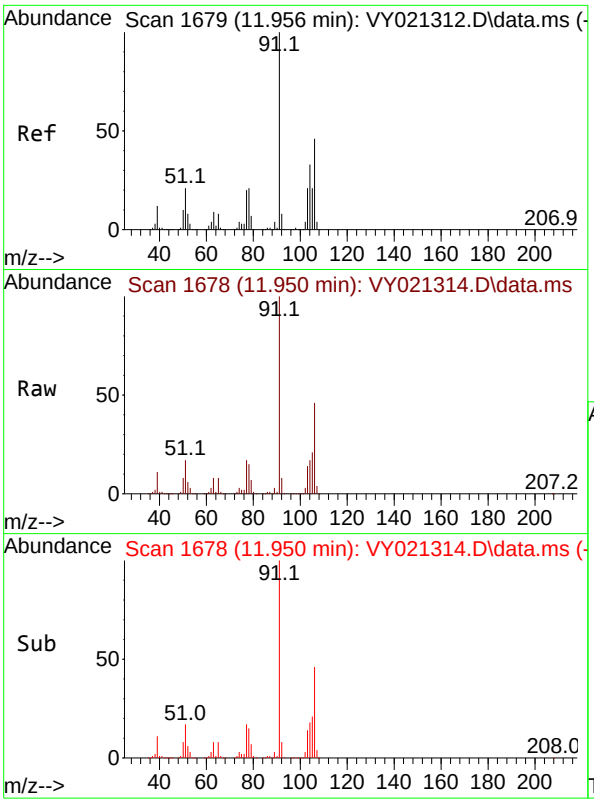


#68
m/p-Xylenes
Concen: 314.246 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:106 Resp: 1167839

Ion	Ratio	Lower	Upper
106	100		
91	205.5	163.9	245.9

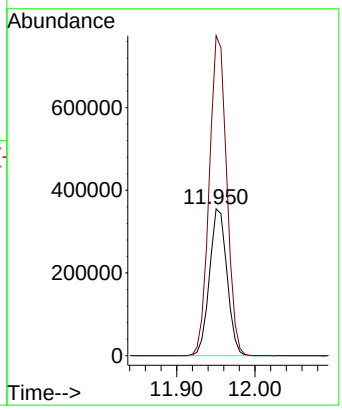




#69
o-Xylene
Concen: 158.258 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:106 Resp: 55097

Ion	Ratio	Lower	Upper
106	100		
91	217.0	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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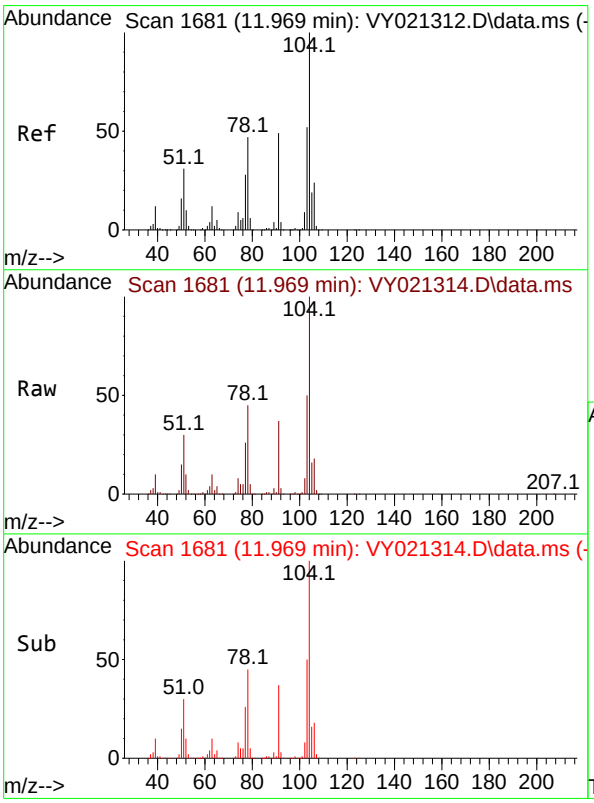
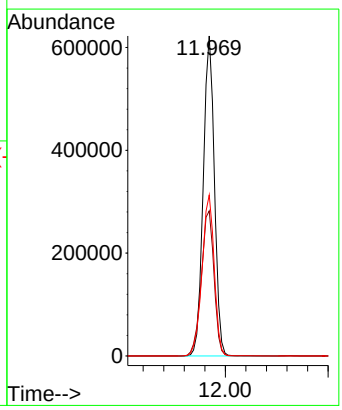
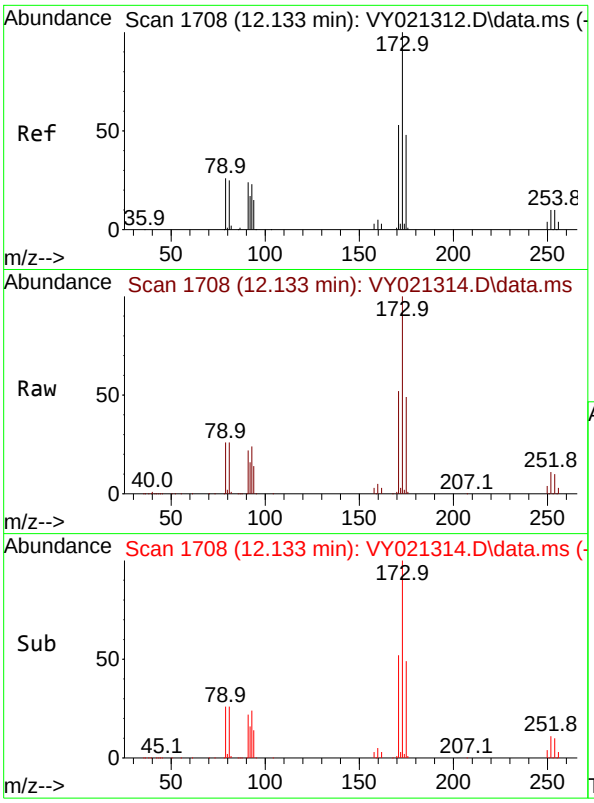


#70
Styrene
Concen: 161.754 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:104 Resp: 936967

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.3	61.9
103	55.0	43.9	65.9

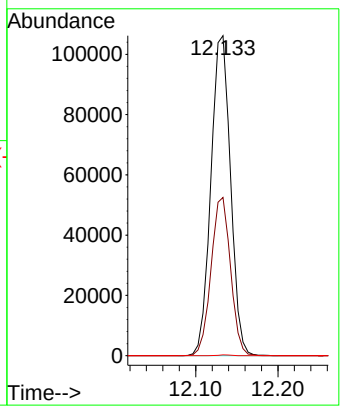




#71
Bromoform
Concen: 157.441 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:173 Resp: 17591

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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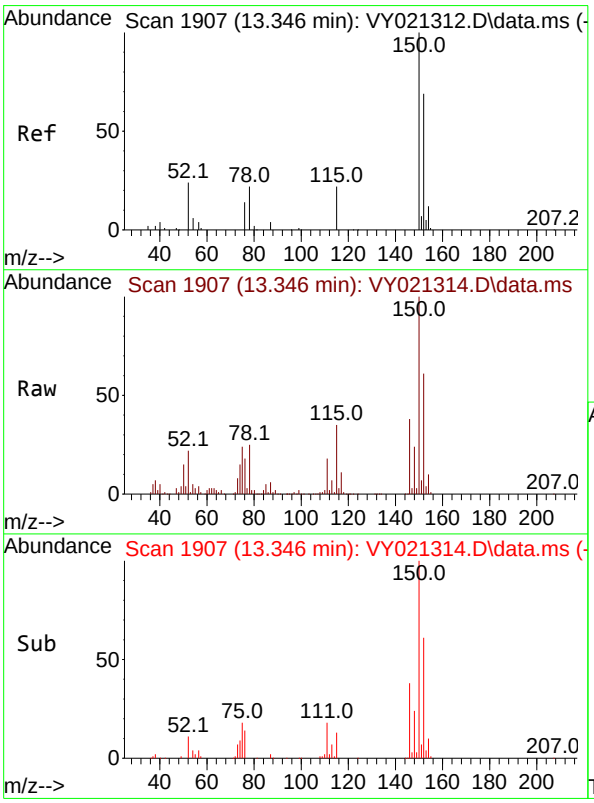
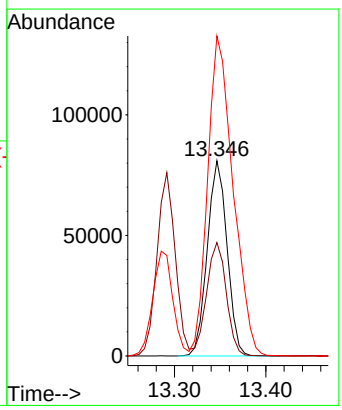
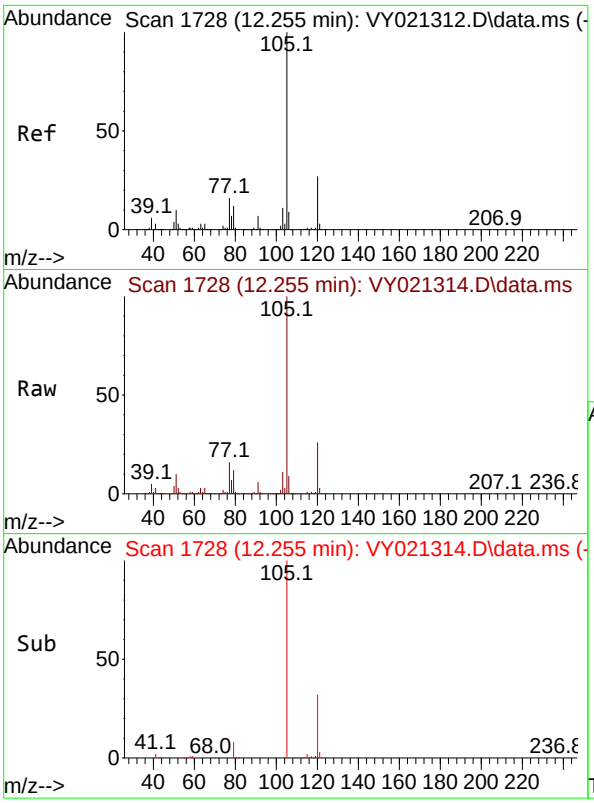


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:152 Resp: 121558

Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	210.8	0.0	347.4

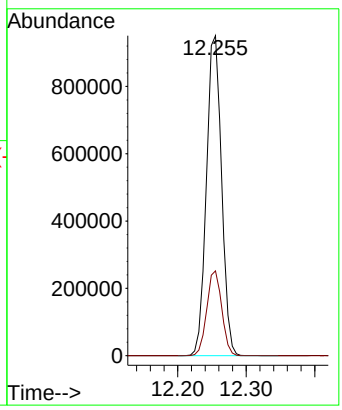




#73
Isopropylbenzene
Concen: 159.969 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 146190

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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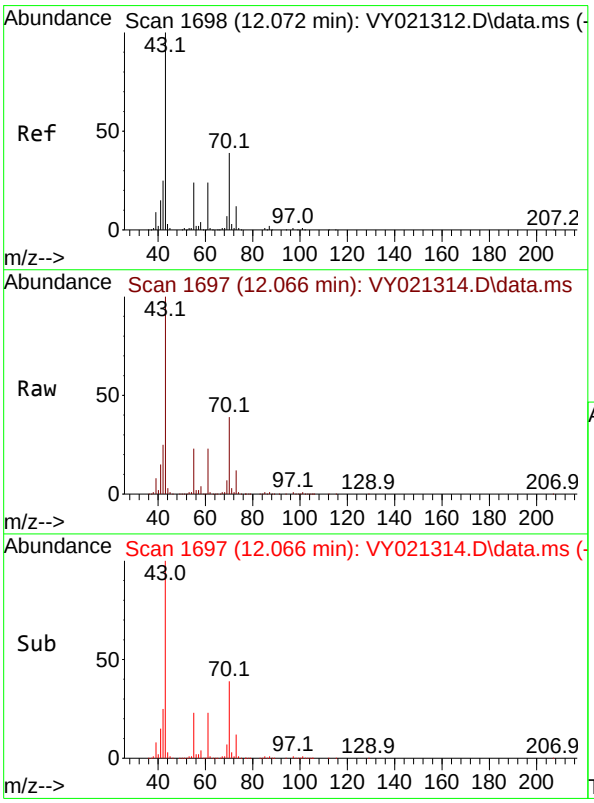
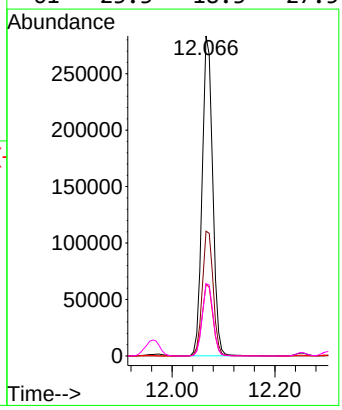
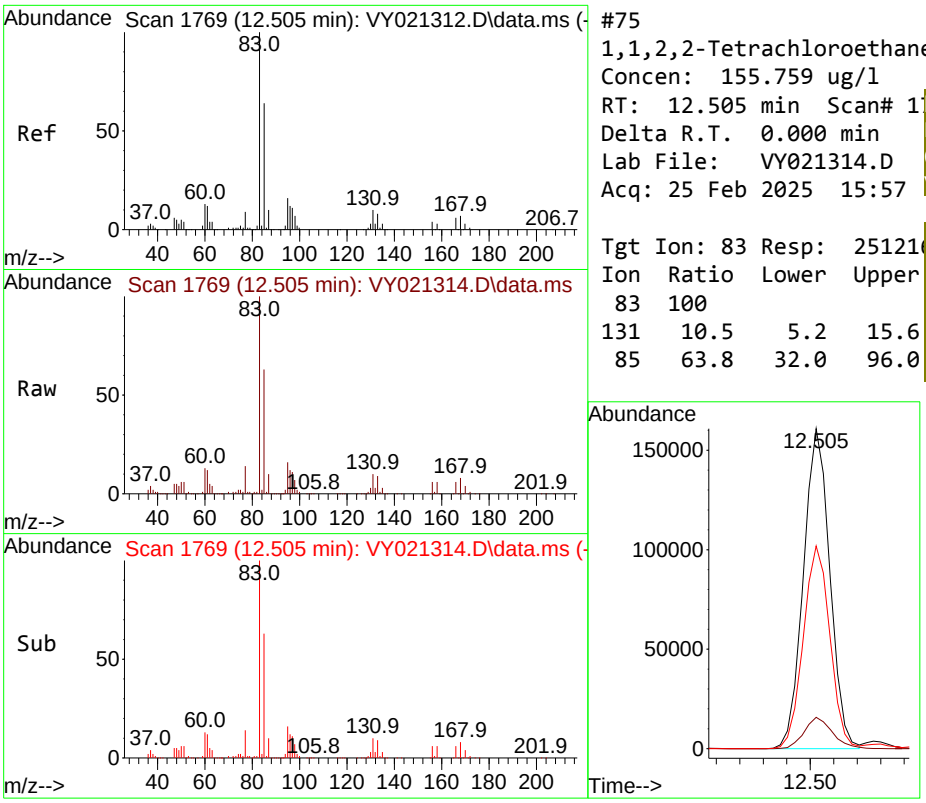


#74
N-amyl acetate
Concen: 173.596 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 403238

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	23.0	19.6	29.4
61	23.3	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 155.759 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 25121

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	63.8	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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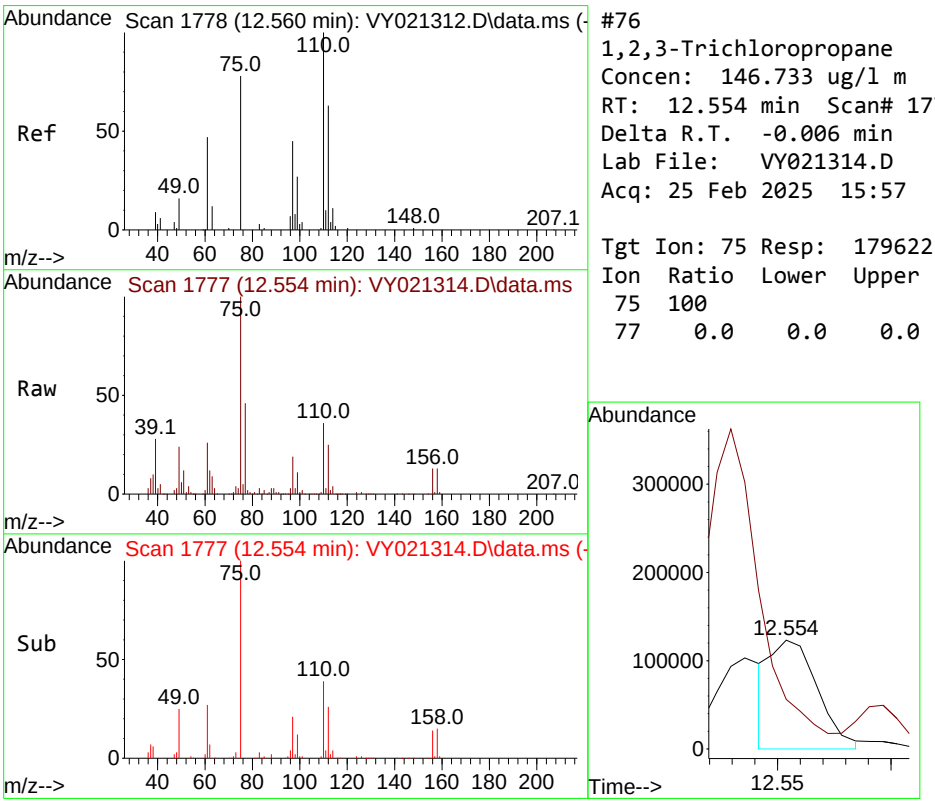
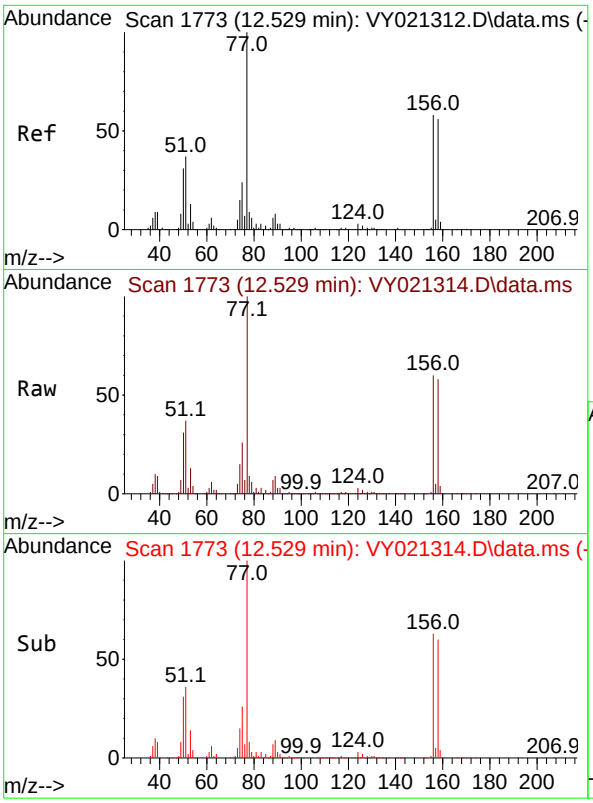


#76
1,2,3-Trichloropropane
Concen: 146.733 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 179622

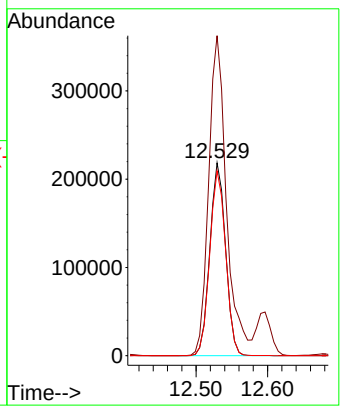
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 157.025 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:156 Resp: 33377

Ion	Ratio	Lower	Upper
156	100		
77	186.1	94.0	282.1
158	97.0	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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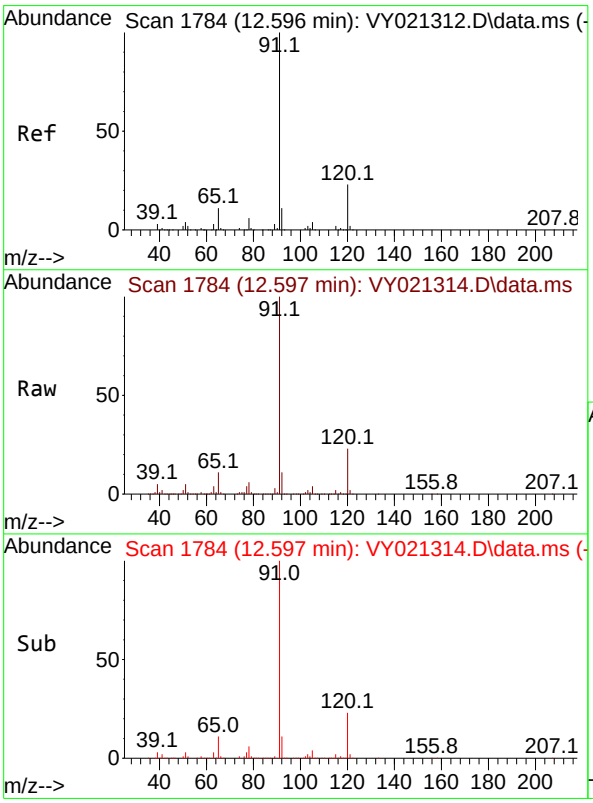
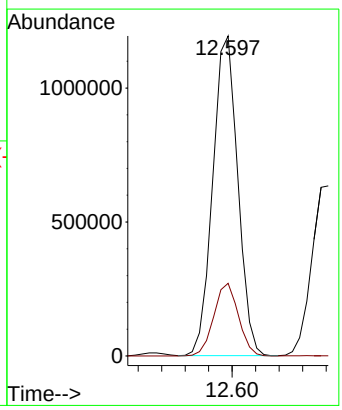
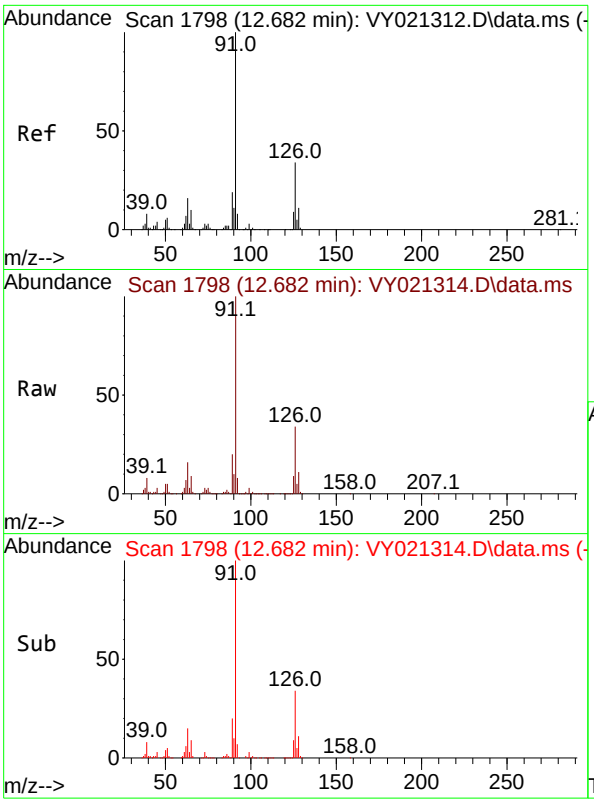


#78
n-propylbenzene
Concen: 159.217 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1765636

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.5

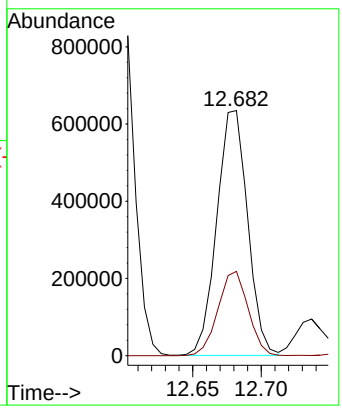




#79
2-Chlorotoluene
Concen: 156.411 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 99545

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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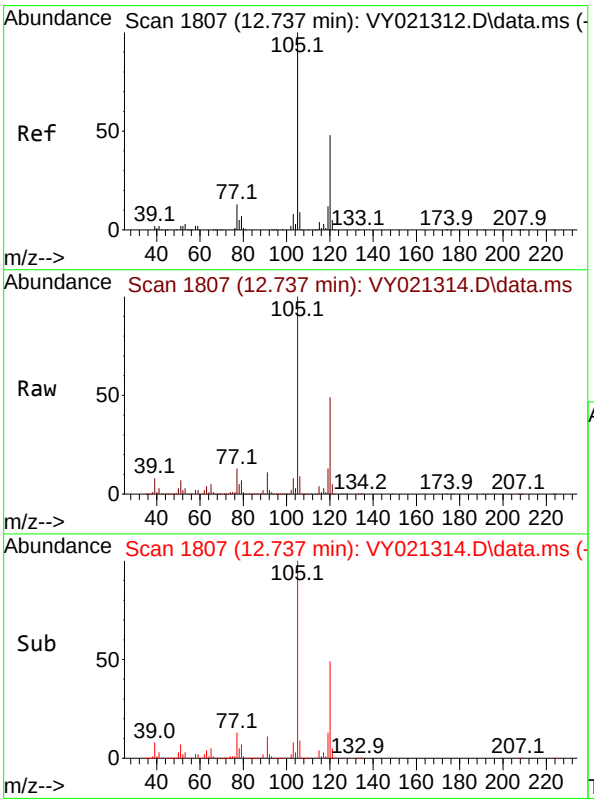
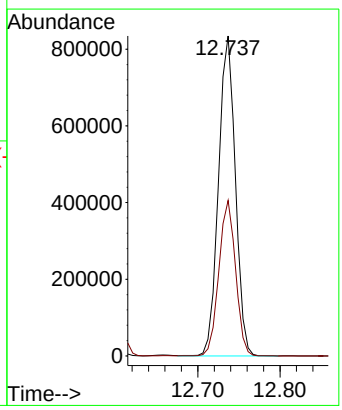
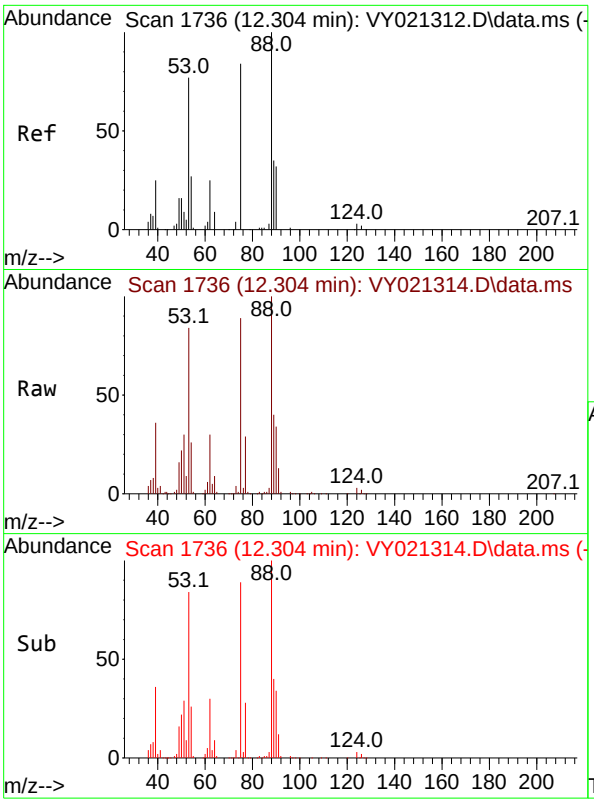


#80
1,3,5-Trimethylbenzene
Concen: 158.830 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1190462

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 169.722 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 9291

Ion	Ratio	Lower	Upper
75	100		
53	96.8	79.1	118.7
89	46.3	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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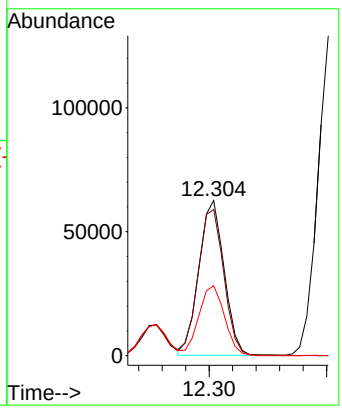
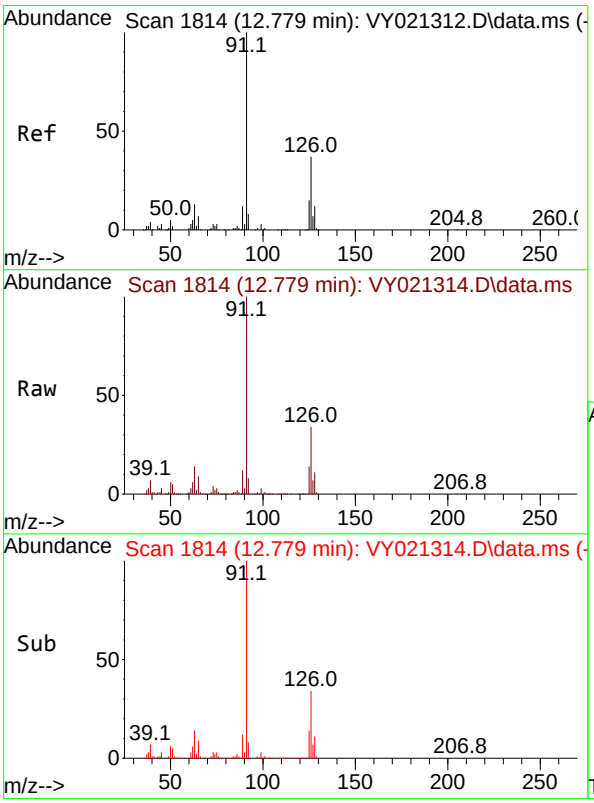
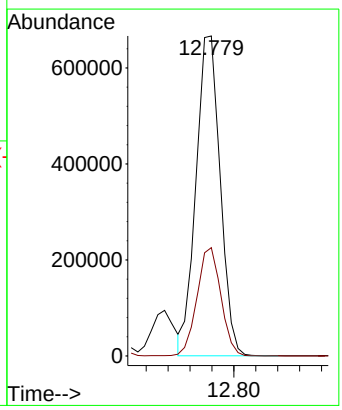


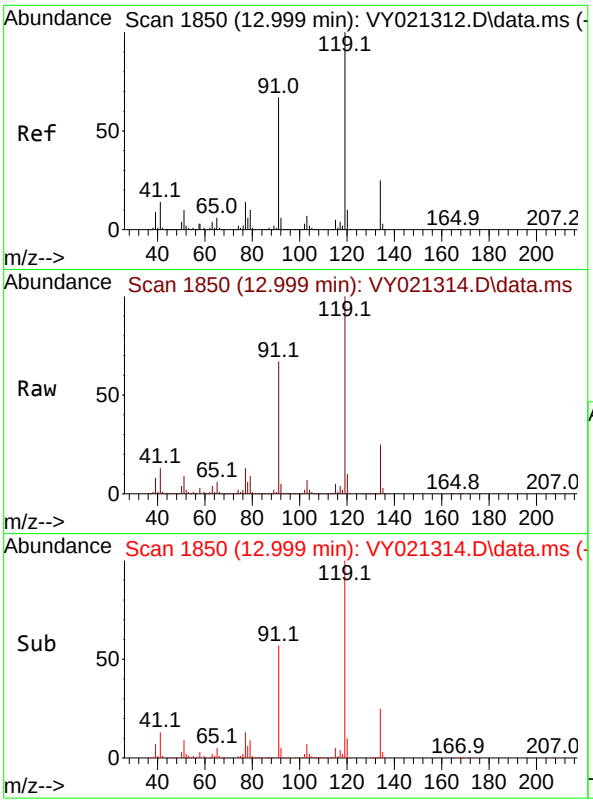


#82
4-Chlorotoluene
Concen: 154.883 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1021811

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.8	50.4

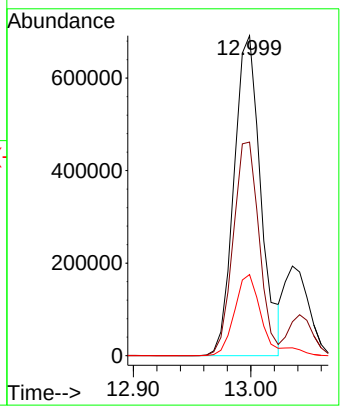




#83
tert-Butylbenzene
Concen: 161.602 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:119 Resp: 109412

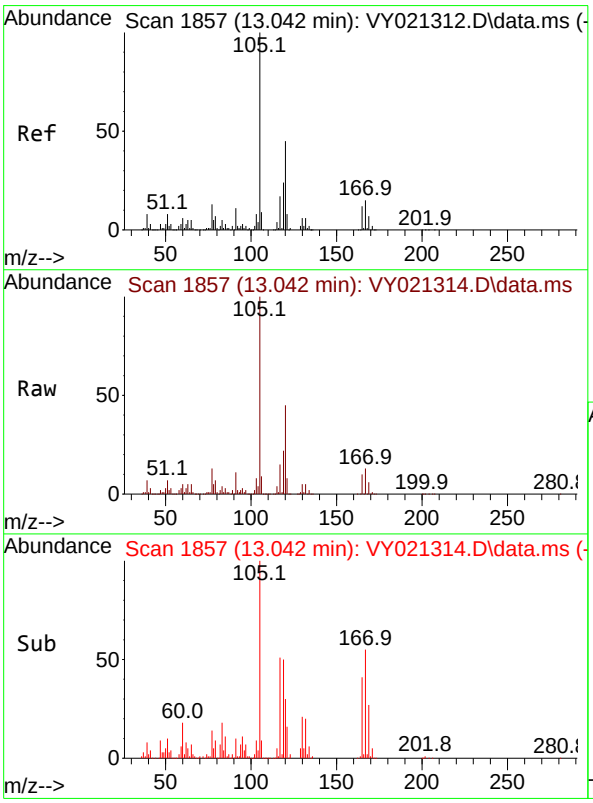
Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.7	98.1
134	26.2	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

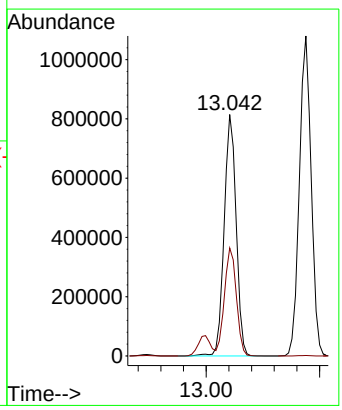
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

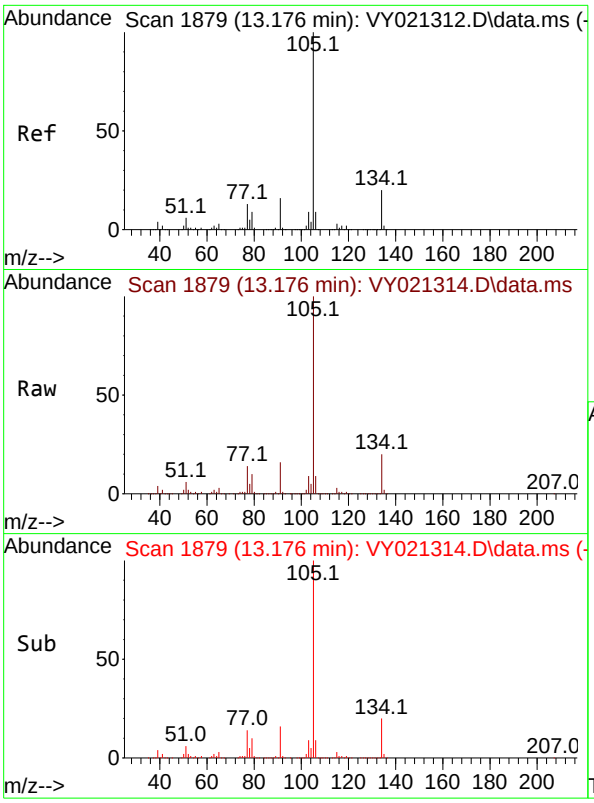


#84
1,2,4-Trimethylbenzene
Concen: 159.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1192062

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.3

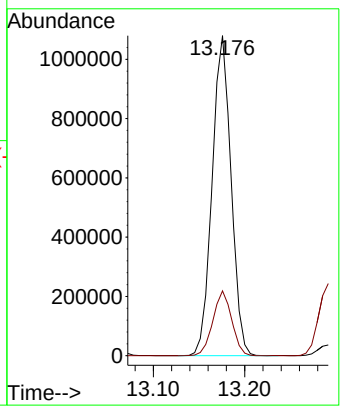




#85
sec-Butylbenzene
Concen: 157.594 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 155854

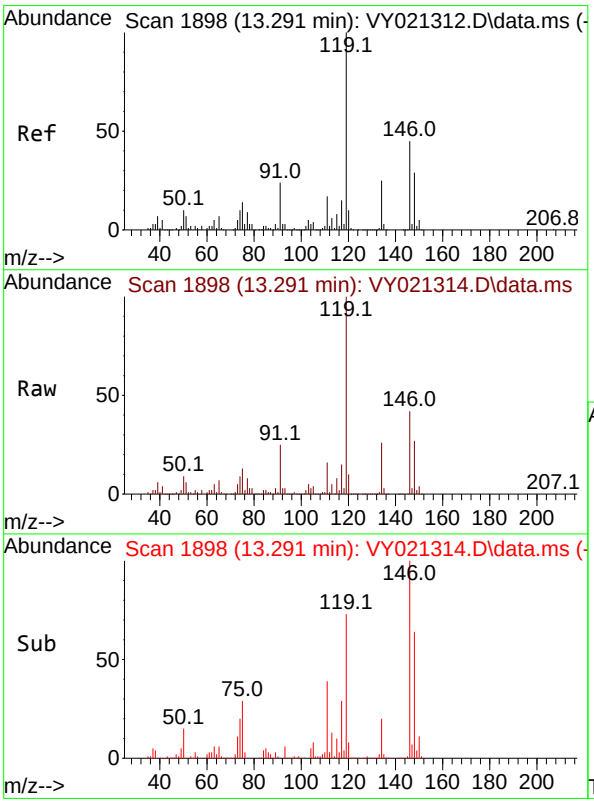
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

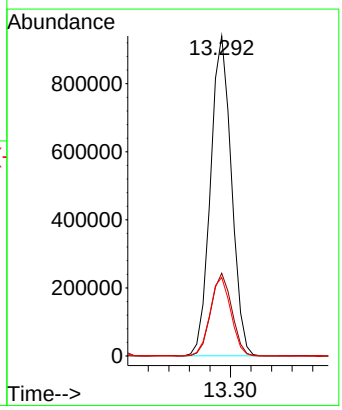
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

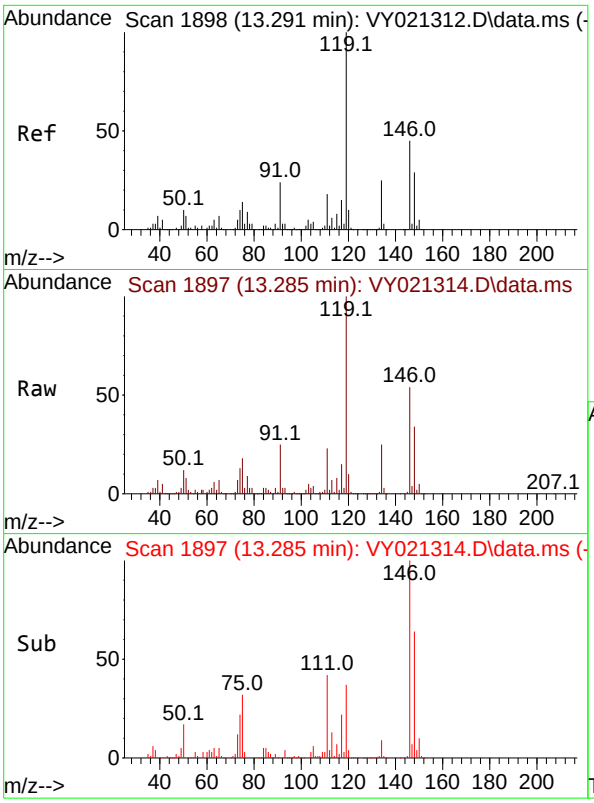


#86
p-Isopropyltoluene
Concen: 160.795 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:119 Resp: 1327819

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.5	12.0	36.1

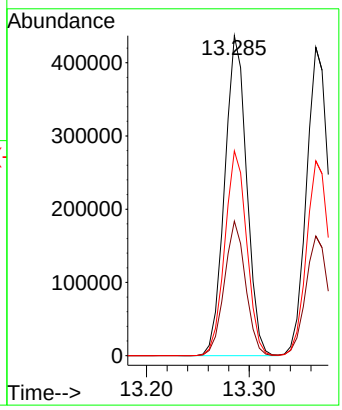




#87
1,3-Dichlorobenzene
Concen: 154.161 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 64820

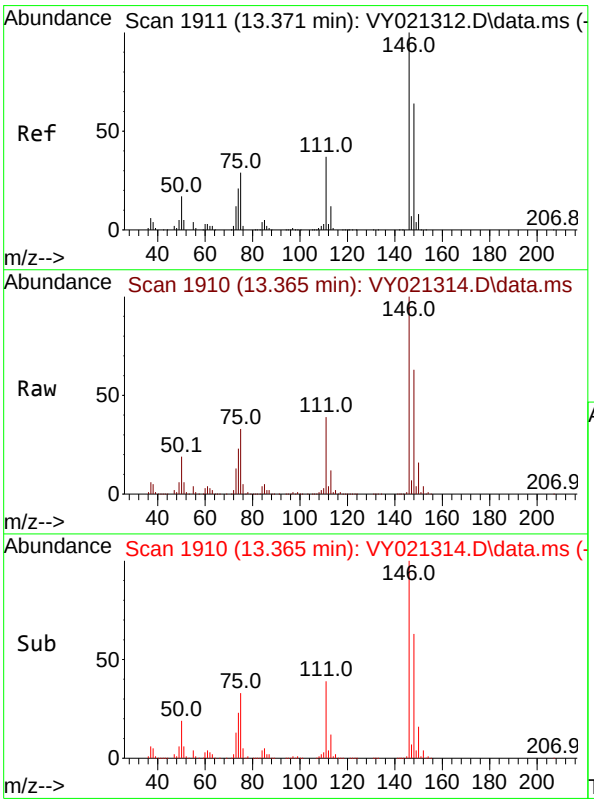
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

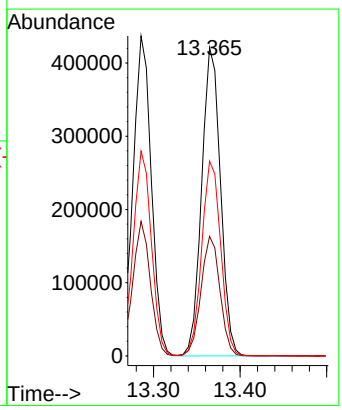
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

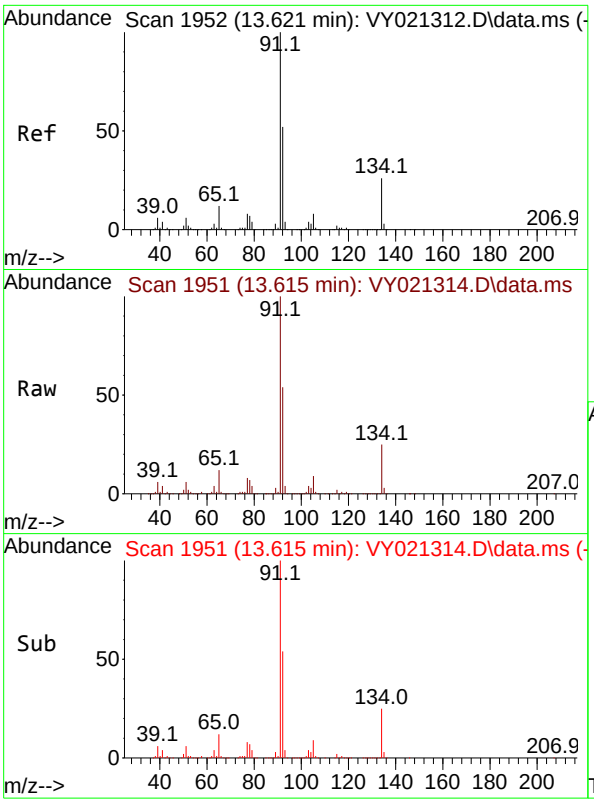


#88
1,4-Dichlorobenzene
Concen: 153.109 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 635981

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.7	32.0	96.2

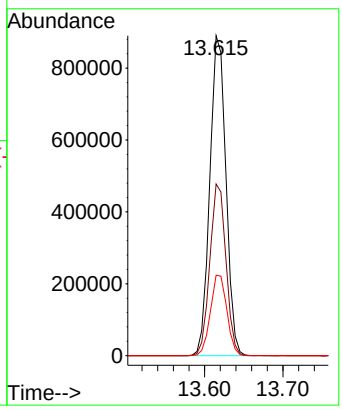




#89
n-Butylbenzene
Concen: 163.350 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 126939

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.2
134	25.7	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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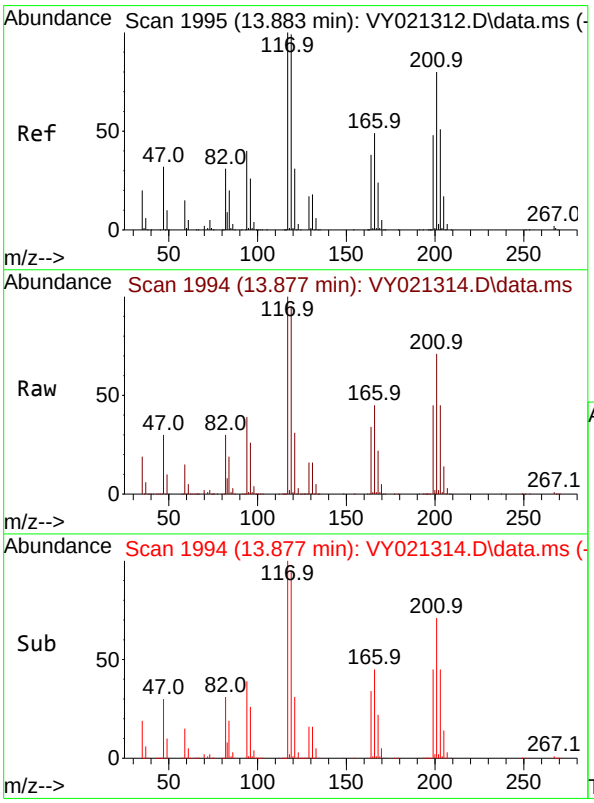
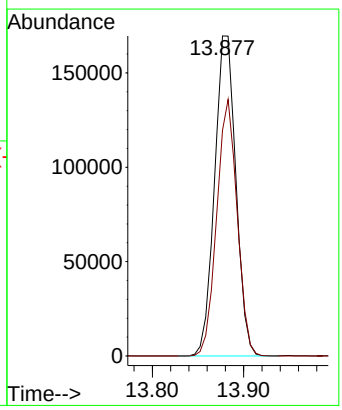
Supervised By :Mahesh Dadoda 02/26/2025

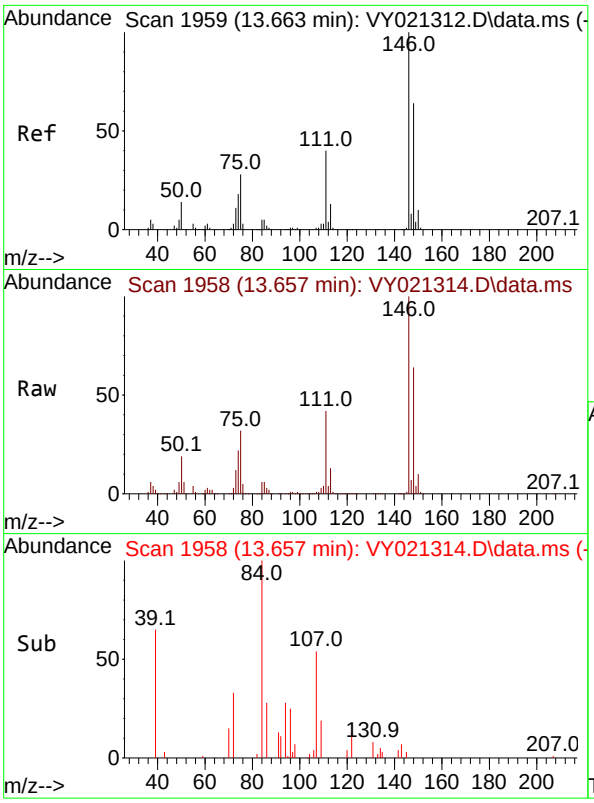


#90
Hexachloroethane
Concen: 159.641 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 275368

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2

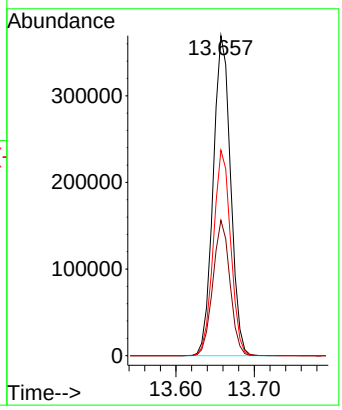




#91
1,2-Dichlorobenzene
Concen: 154.826 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 57036

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.8	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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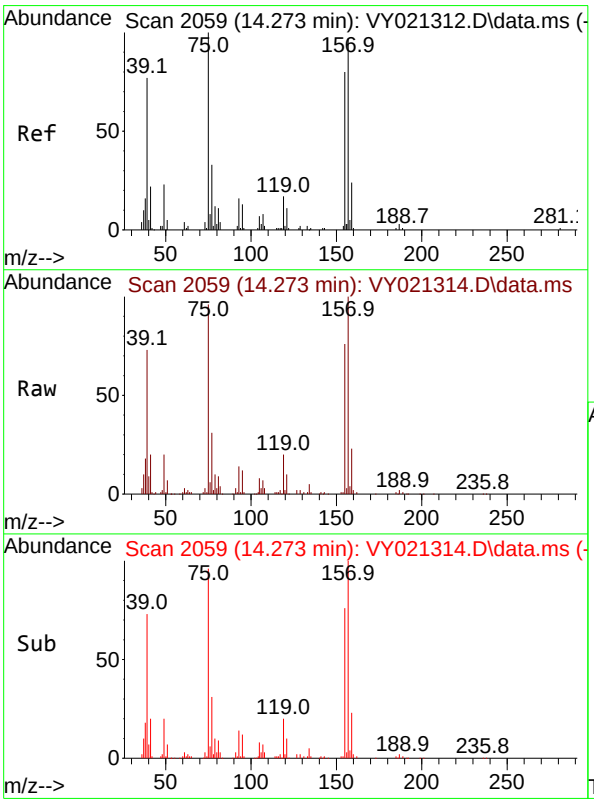
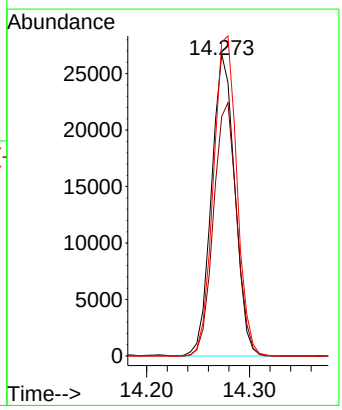
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

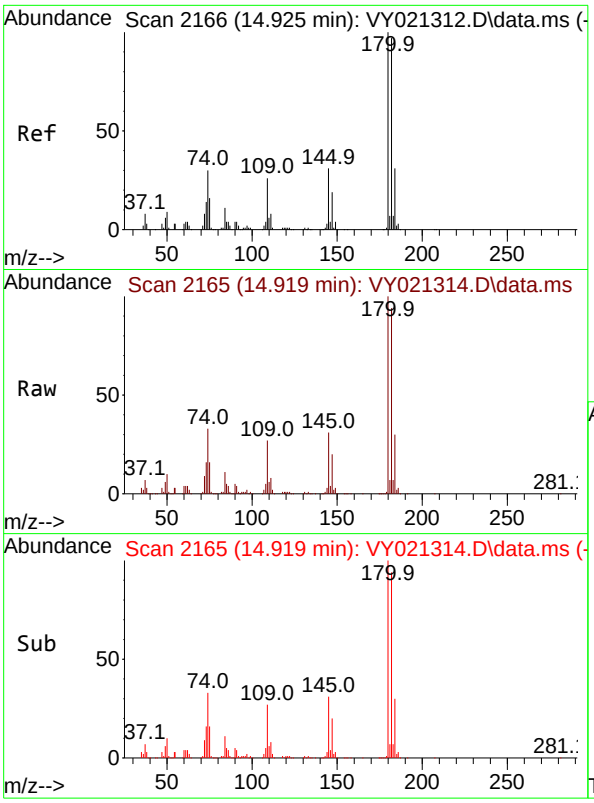


#92
1,2-Dibromo-3-Chloropropane
Concen: 164.851 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 42060

Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.9	125.6
157	106.6	52.5	157.6

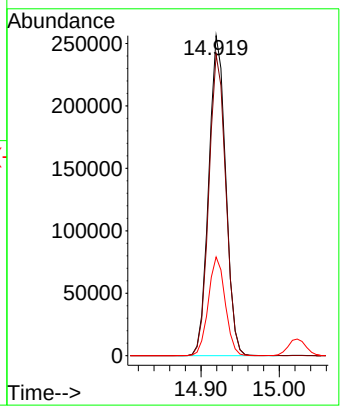




#93
1,2,4-Trichlorobenzene
Concen: 170.860 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:180 Resp: 38416

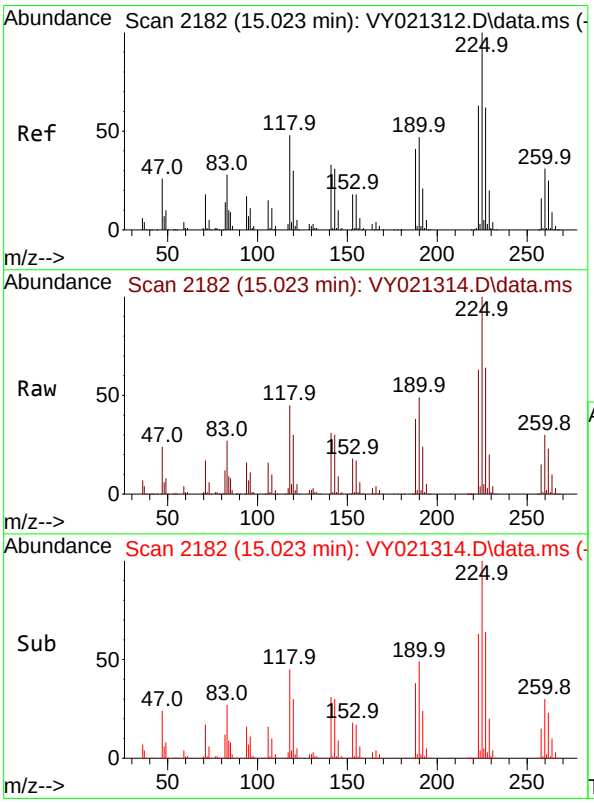
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	30.7	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

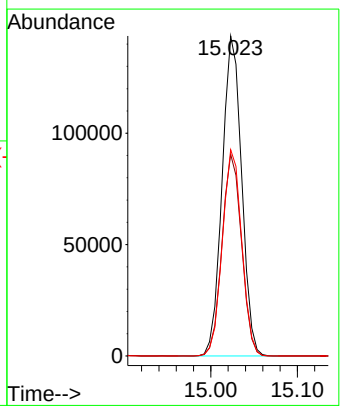
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

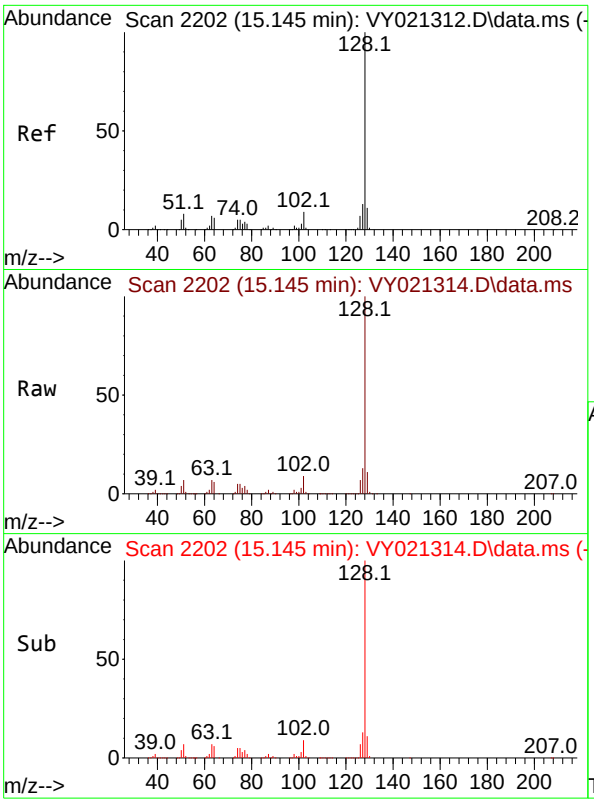


#94
Hexachlorobutadiene
Concen: 158.670 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:225 Resp: 224602

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.4
227	64.2	31.9	95.7

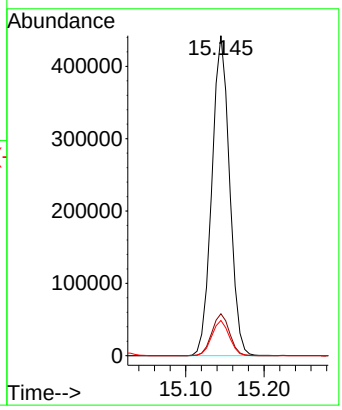




#95
Naphthalene
Concen: 186.517 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:128 Resp: 69462

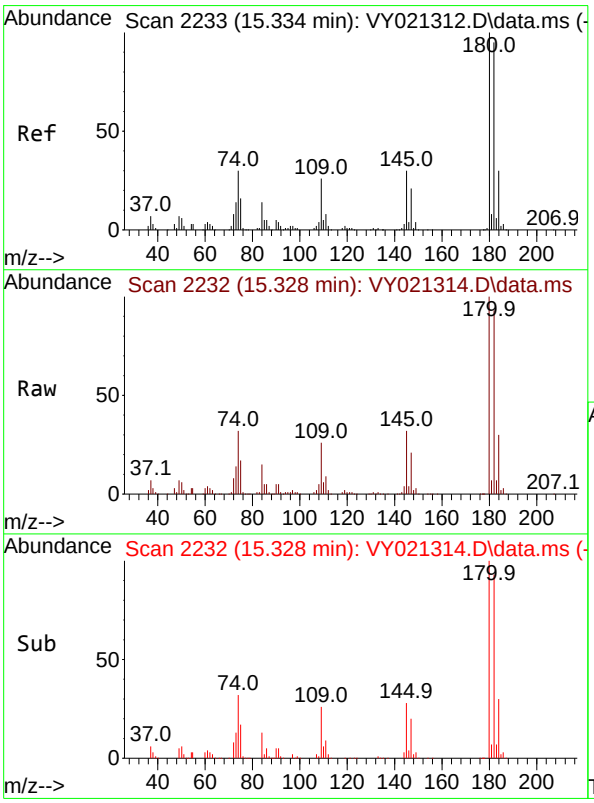
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

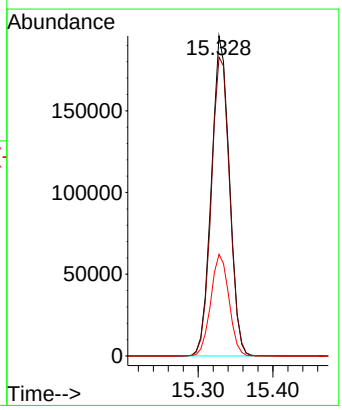
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 172.067 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:180 Resp: 326876

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	32.1	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	190677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	300486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	267150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208535	96.407	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 192.820%#			
35) Dibromofluoromethane	7.634	113	193803	98.377	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.760%#			
50) Toluene-d8	10.103	98	752895	98.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 197.780%#			
62) 4-Bromofluorobenzene	12.408	95	252327	98.477	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 196.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	170537	94.332	ug/l	97
3) Chloromethane	2.068	50	217555	93.180	ug/l	99
4) Vinyl Chloride	2.202	62	221196	96.523	ug/l	97
5) Bromomethane	2.592	94	136840	89.858	ug/l	100
6) Chloroethane	2.732	64	135372	95.259	ug/l	99
7) Trichlorofluoromethane	3.056	101	331928	95.909	ug/l	95
8) Diethyl Ether	3.452	74	100381	96.637	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	193544	96.593	ug/l	99
10) Methyl Iodide	4.000	142	228728	108.503	ug/l	100
11) Tert butyl alcohol	4.854	59	65742	395.134	ug/l	99
12) 1,1-Dichloroethene	3.787	96	186684	97.304	ug/l	99
13) Acrolein	3.653	56	11267	88.370	ug/l	99
14) Allyl chloride	4.378	41	339203	99.720	ug/l	99
15) Acrylonitrile	5.055	53	219275	477.449	ug/l	99
16) Acetone	3.866	43	196435	473.421	ug/l	99
17) Carbon Disulfide	4.104	76	617661	96.953	ug/l	100
18) Methyl Acetate	4.385	43	95405	94.085	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	498467	98.337	ug/l	99
20) Methylene Chloride	4.616	84	201698	89.894	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	208498	98.718	ug/l	96
22) Diisopropyl ether	6.018	45	697290	99.061	ug/l	97
23) Vinyl Acetate	5.957	43	2103219	500.017	ug/l	99
24) 1,1-Dichloroethane	5.909	63	384030	96.798	ug/l	99
25) 2-Butanone	6.890	43	303077	483.977	ug/l	97
26) 2,2-Dichloropropane	6.884	77	350870	97.467	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	238916	99.061	ug/l	99
28) Bromochloromethane	7.244	49	167271	95.287	ug/l	99
29) Tetrahydrofuran	7.256	42	199056	486.299	ug/l	98
30) Chloroform	7.421	83	387767	96.458	ug/l	99
31) Cyclohexane	7.701	56	351876	92.269	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	353701	96.663	ug/l	98
36) 1,1-Dichloropropene	7.835	75	287472	97.146	ug/l	100
37) Ethyl Acetate	6.982	43	137233	93.230	ug/l	99
38) Carbon Tetrachloride	7.817	117	321576	96.663	ug/l	99
39) Methylcyclohexane	9.109	83	371172	99.169	ug/l	99
40) Benzene	8.079	78	847066	96.835	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	77542	94.219	ug/l		99
42) 1,2-Dichloroethane	8.152	62	236704	95.375	ug/l		100
43) Isopropyl Acetate	8.195	43	280321	98.388	ug/l		99
44) Trichloroethene	8.865	130	212562	97.057	ug/l		99
45) 1,2-Dichloropropane	9.140	63	201701	95.814	ug/l		98
46) Dibromomethane	9.231	93	110814	96.301	ug/l		99
47) Bromodichloromethane	9.420	83	297320	96.904	ug/l		99
48) Methyl methacrylate	9.219	41	135412	101.635	ug/l		99
49) 1,4-Dioxane	9.225	88	24355	1903.504	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	716009	490.938	ug/l		100
52) Toluene	10.170	92	539016	99.189	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	284731	101.290	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	328107	98.870	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	142372	94.975	ug/l		98
56) Ethyl methacrylate	10.438	69	216586	104.564	ug/l		98
57) 1,3-Dichloropropane	10.719	76	255903	97.283	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	530695	533.791	ug/l		100
59) 2-Hexanone	10.761	43	485734	507.115	ug/l		99
60) Dibromochloromethane	10.908	129	199225	97.582	ug/l		99
61) 1,2-Dibromoethane	11.011	107	136284	96.029	ug/l		98
64) Tetrachloroethene	10.646	164	189679	93.936	ug/l		99
65) Chlorobenzene	11.438	112	576109	96.070	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	203696	97.007	ug/l		99
67) Ethyl Benzene	11.517	91	1057129	99.522	ug/l		100
68) m/p-Xylenes	11.627	106	783034	195.986	ug/l		100
69) o-Xylene	11.956	106	370964	99.112	ug/l		100
70) Styrene	11.969	104	619437	99.469	ug/l		99
71) Bromoform	12.133	173	114495	95.313	ug/l	#	99
73) Isopropylbenzene	12.255	105	987758	100.648	ug/l		99
74) N-amyl acetate	12.072	43	258576	103.658	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	162941	94.075	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	123844m	94.206	ug/l		
77) Bromobenzene	12.529	156	223081	97.728	ug/l		98
78) n-propylbenzene	12.596	91	1186751	99.651	ug/l		100
79) 2-Chlorotoluene	12.682	91	666071	97.455	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	794247	98.676	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	58806	100.031	ug/l		99
82) 4-Chlorotoluene	12.779	91	687385	97.022	ug/l		100
83) tert-Butylbenzene	12.999	119	720480	99.092	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	795840	99.415	ug/l		100
85) sec-Butylbenzene	13.176	105	1041022	98.021	ug/l		100
86) p-Isopropyltoluene	13.291	119	881757	99.431	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	435489	96.445	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	425301	95.343	ug/l		99
89) n-Butylbenzene	13.621	91	840236	100.683	ug/l		100
90) Hexachloroethane	13.883	117	181015	97.720	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	377453	95.410	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26541	96.867	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	248146	102.770	ug/l		100
94) Hexachlorobutadiene	15.023	225	147103	96.770	ug/l		99
95) Naphthalene	15.145	128	436817	109.220	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	211313	103.581	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
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Instrument :
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ClientSampleId :
VSTDICC100

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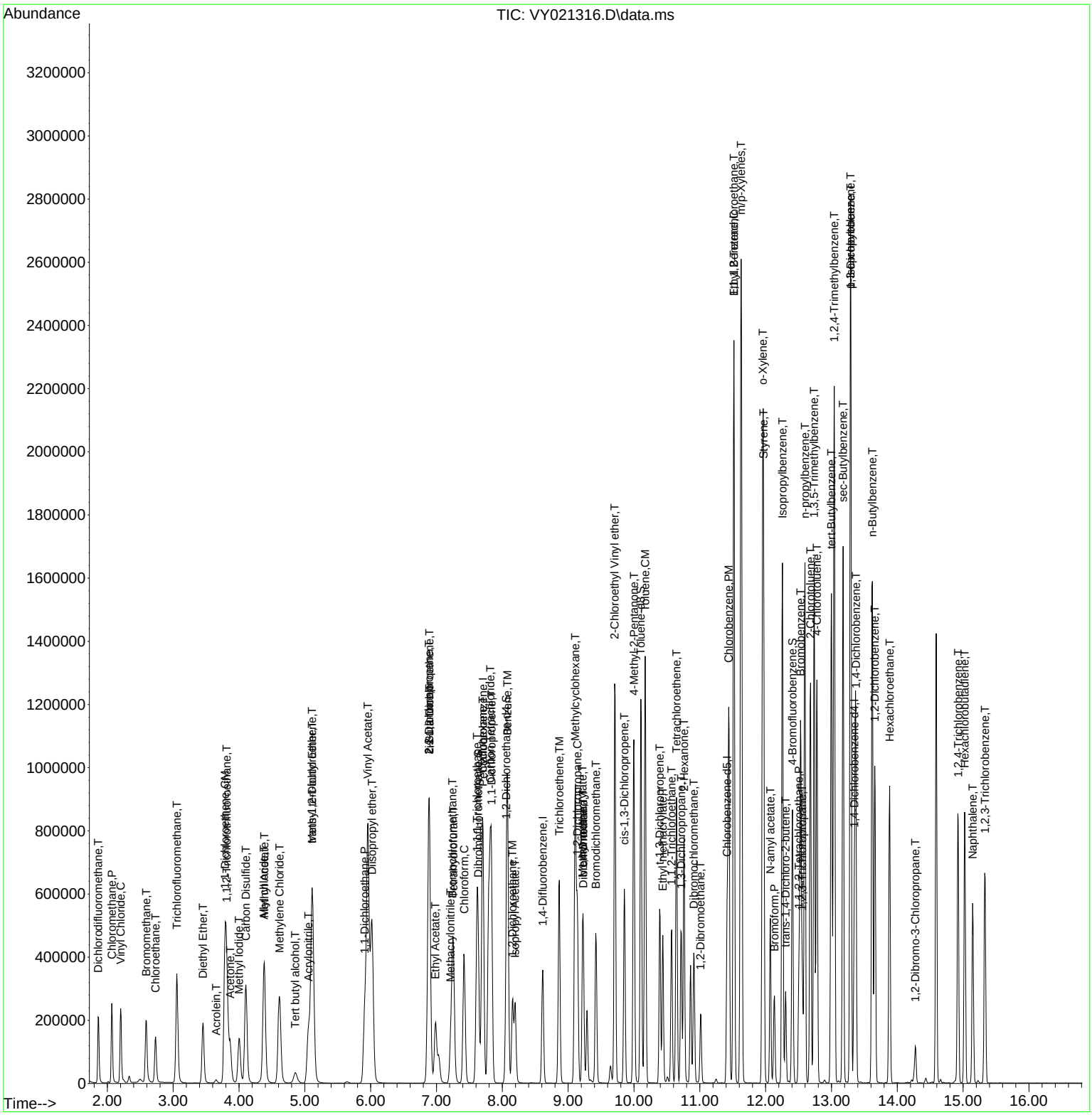
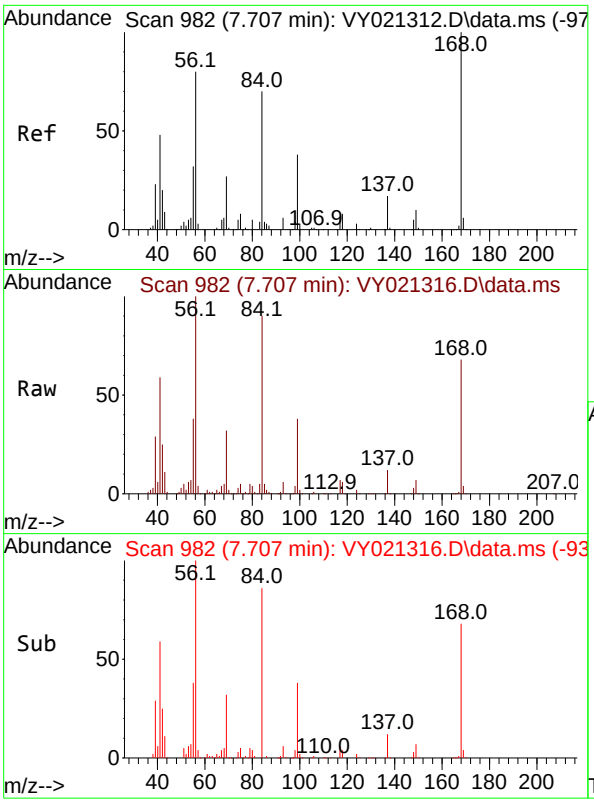
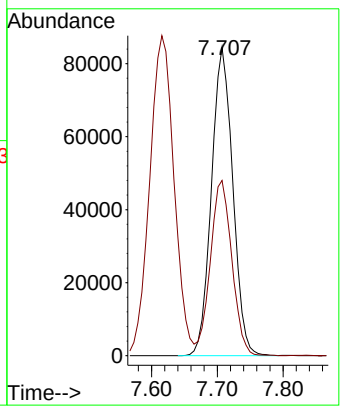




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:168 Resp: 19067

Ion	Ratio	Lower	Upper
168	100		
99	56.8	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/26/2025
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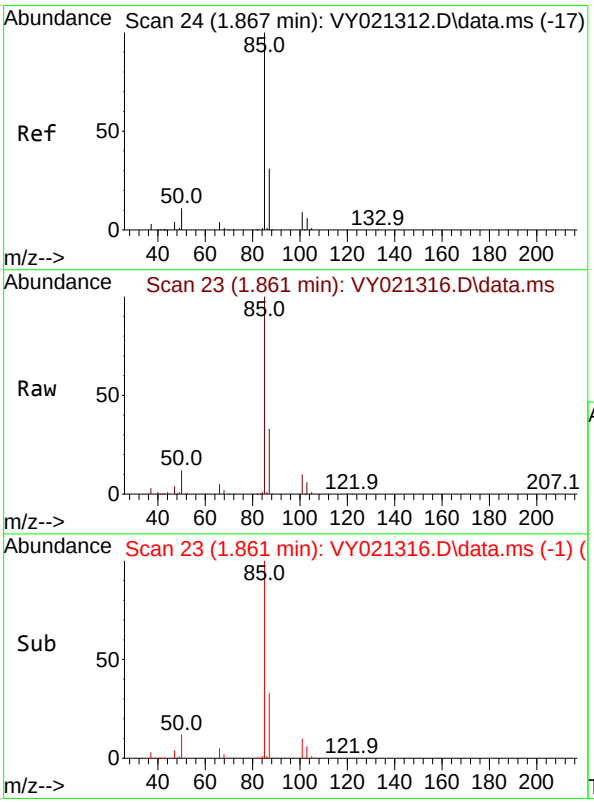
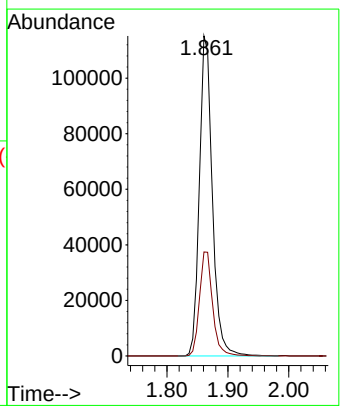
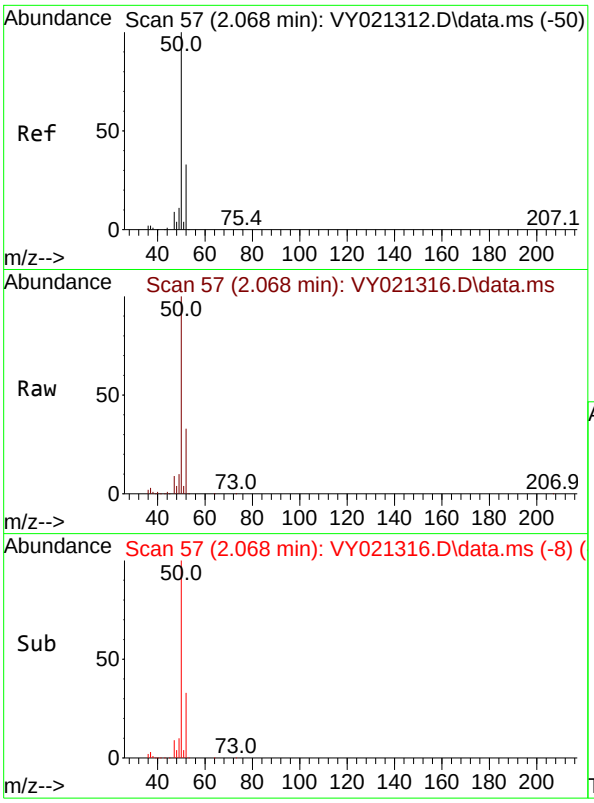


#2
Dichlorodifluoromethane
Concen: 94.332 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 85 Resp: 170537

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.4	46.4

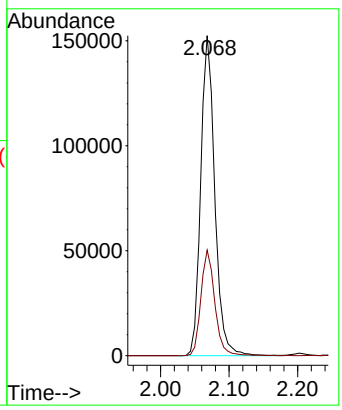




#3
Chloromethane
Concen: 93.180 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 50 Resp: 21755

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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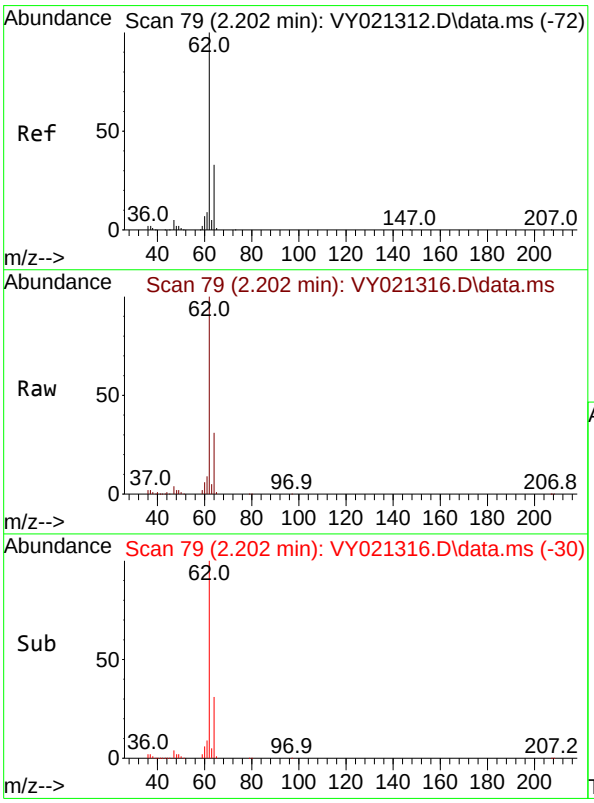
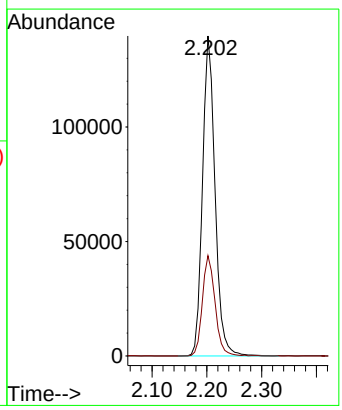
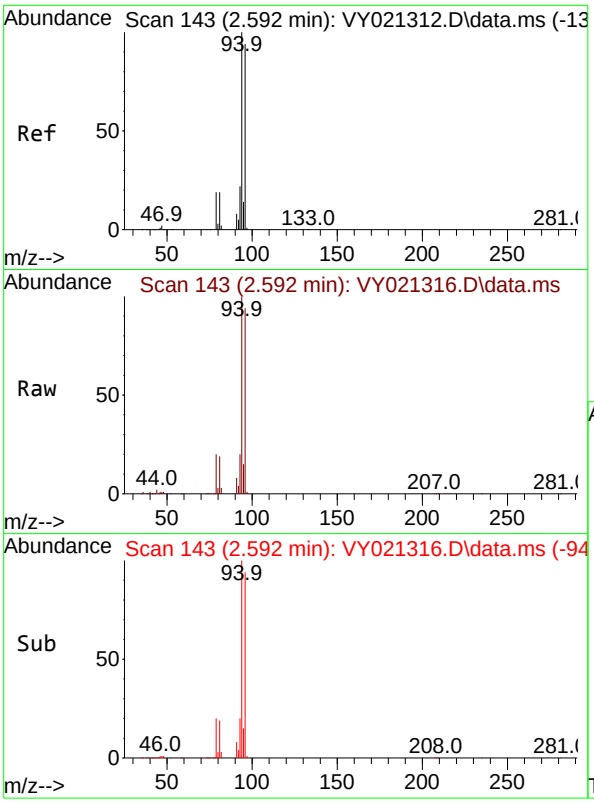


#4
Vinyl Chloride
Concen: 96.523 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 221196

Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.3	39.5

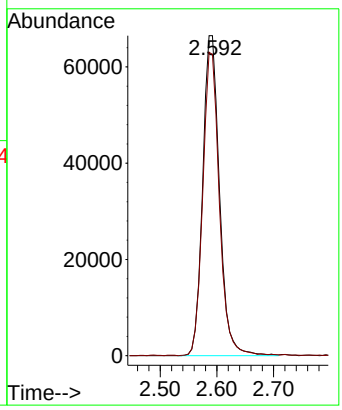




#5
Bromomethane
Concen: 89.858 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 94 Resp: 13684

Ion	Ratio	Lower	Upper
94	100		
96	94.2	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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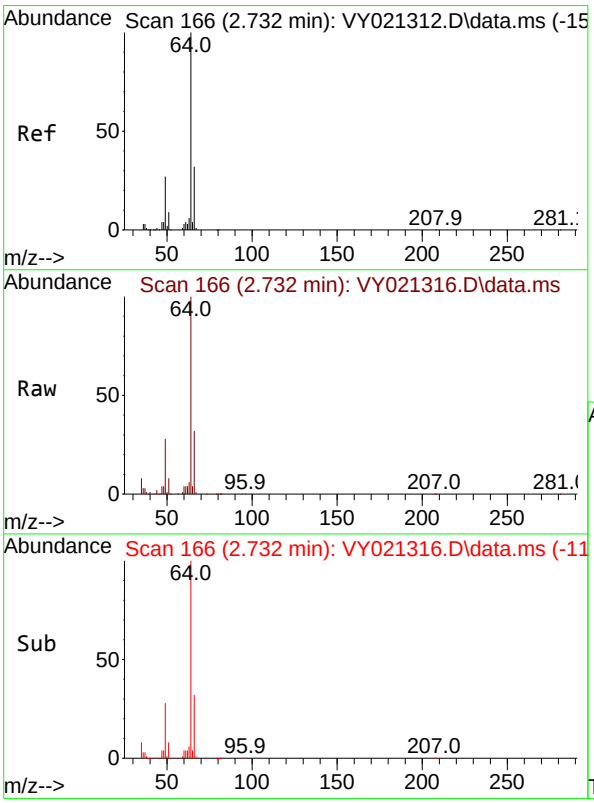
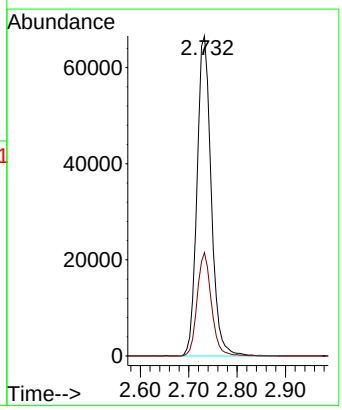
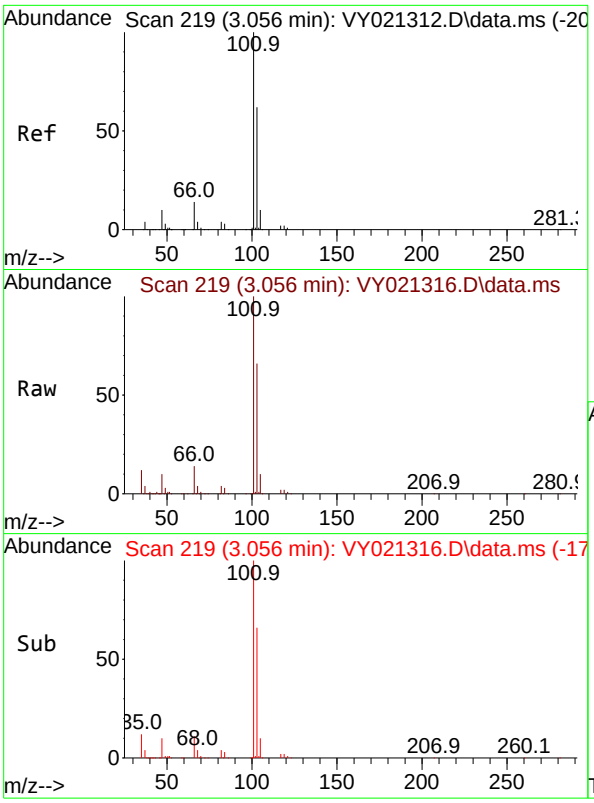


#6
Chloroethane
Concen: 95.259 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 64 Resp: 135372

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.4	38.0

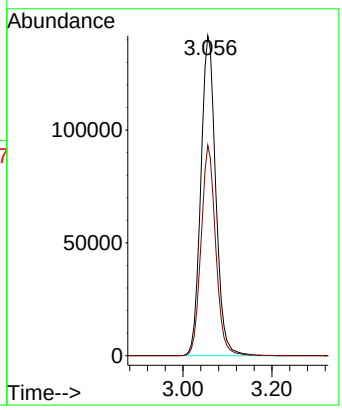




#7
Trichlorofluoromethane
Concen: 95.909 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:101 Resp: 33192

Ion	Ratio	Lower	Upper
101	100		
103	65.7	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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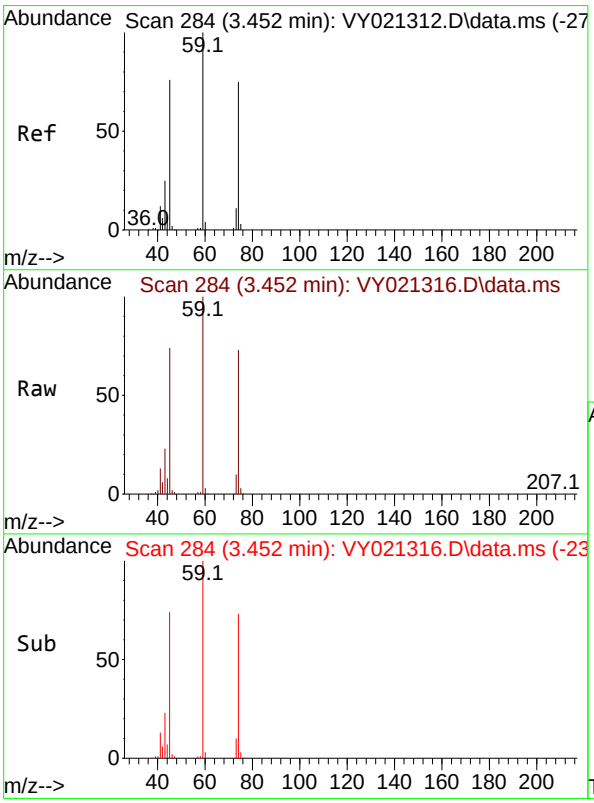
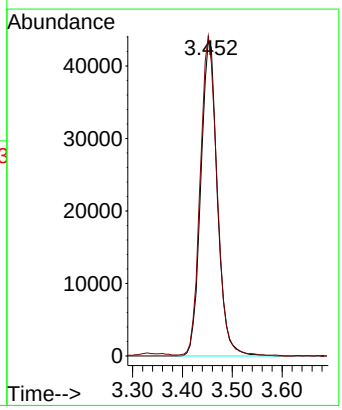
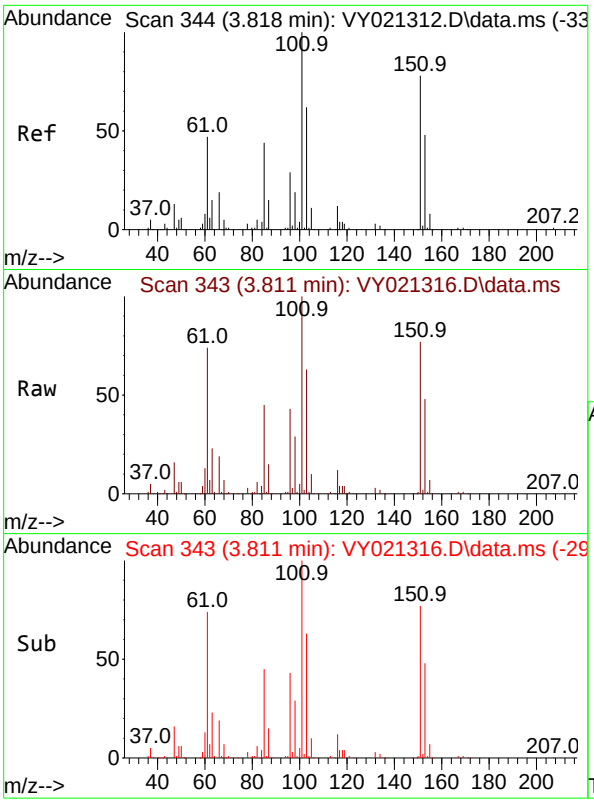


#8
Diethyl Ether
Concen: 96.637 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 74 Resp: 100381

Ion	Ratio	Lower	Upper
74	100		
45	104.0	50.3	150.9

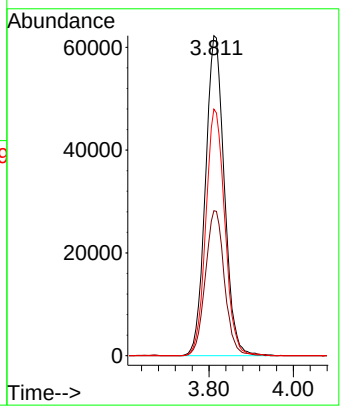




#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.593 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:101 Resp: 19354

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.7	55.1
151	77.3	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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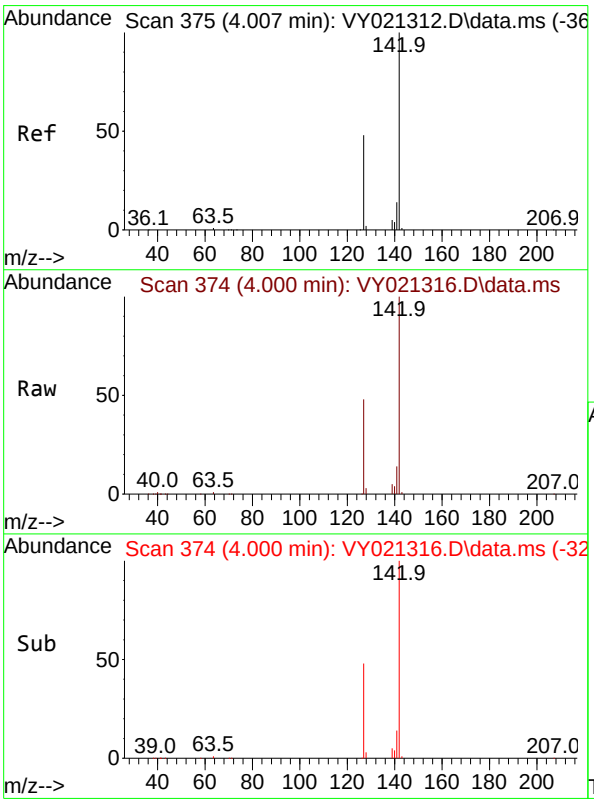
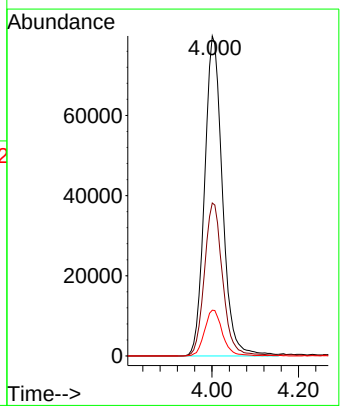
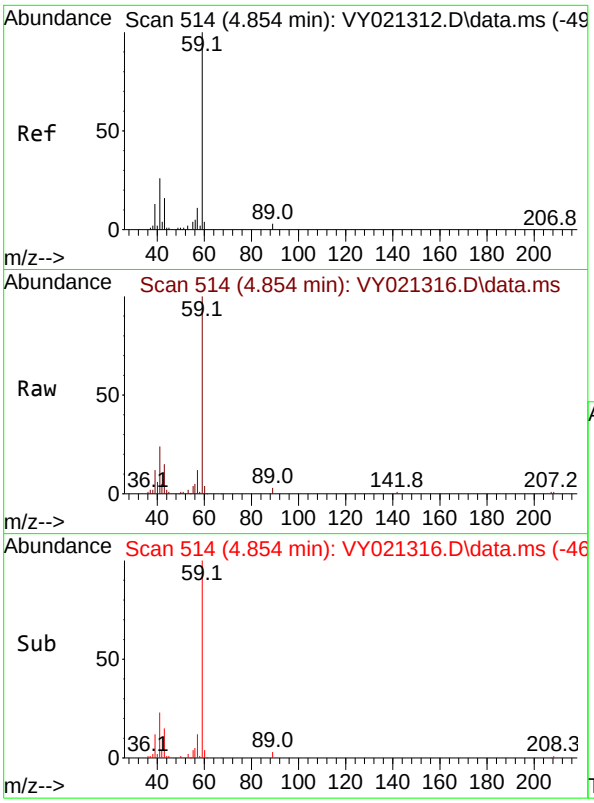


#10
Methyl Iodide
Concen: 108.503 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:142 Resp: 228728

Ion	Ratio	Lower	Upper
142	100		
127	48.8	39.2	58.8
141	14.3	11.4	17.2

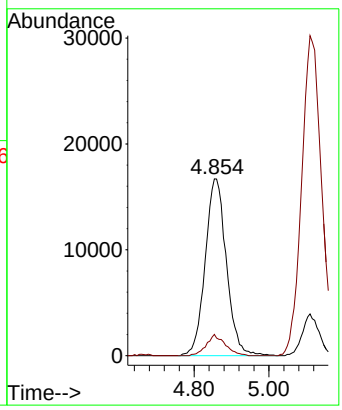




#11
Tert butyl alcohol
Concen: 395.134 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 59 Resp: 6574

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5



Instrument :
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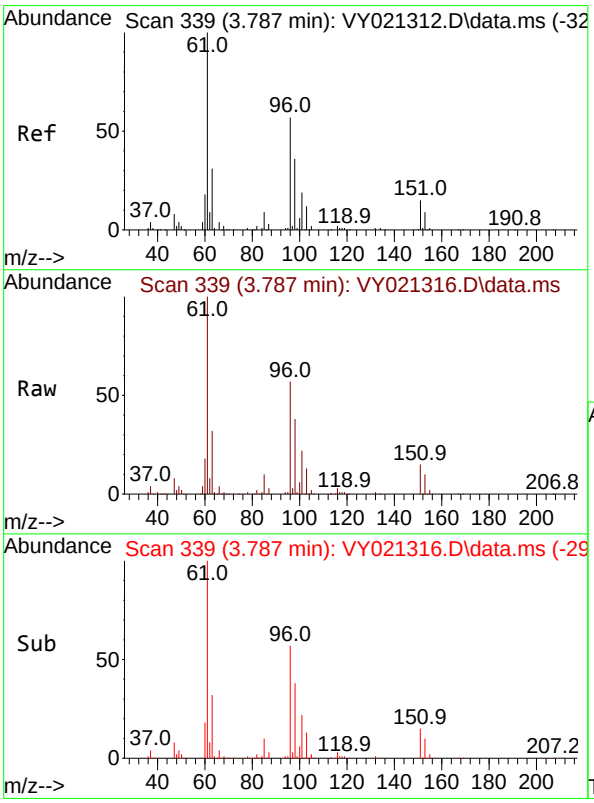
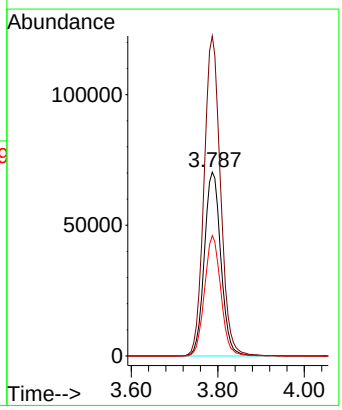
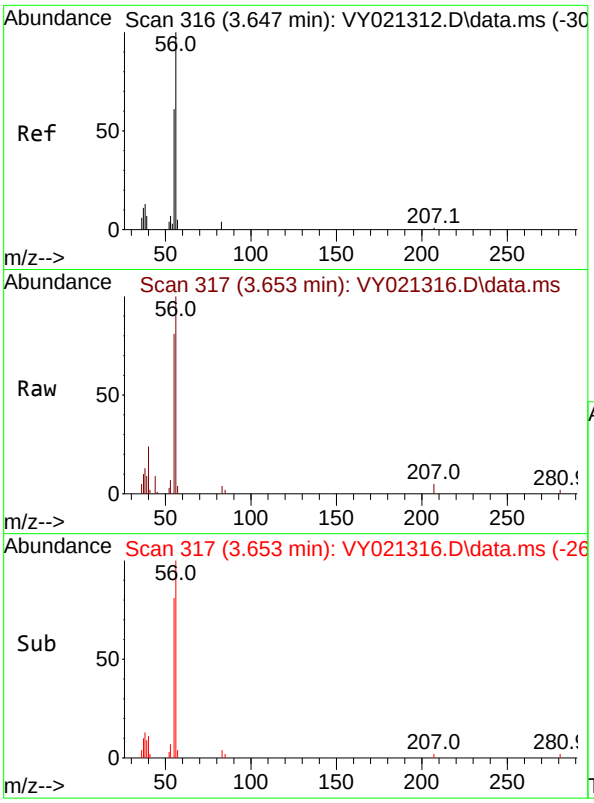


#12
1,1-Dichloroethene
Concen: 97.304 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 186684

Ion	Ratio	Lower	Upper
96	100		
61	174.1	139.7	209.5
98	65.5	49.7	74.5

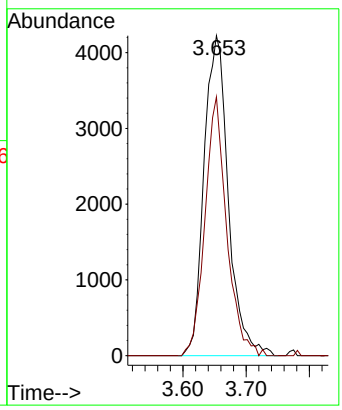




#13
Acrolein
Concen: 88.370 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 56 Resp: 1126

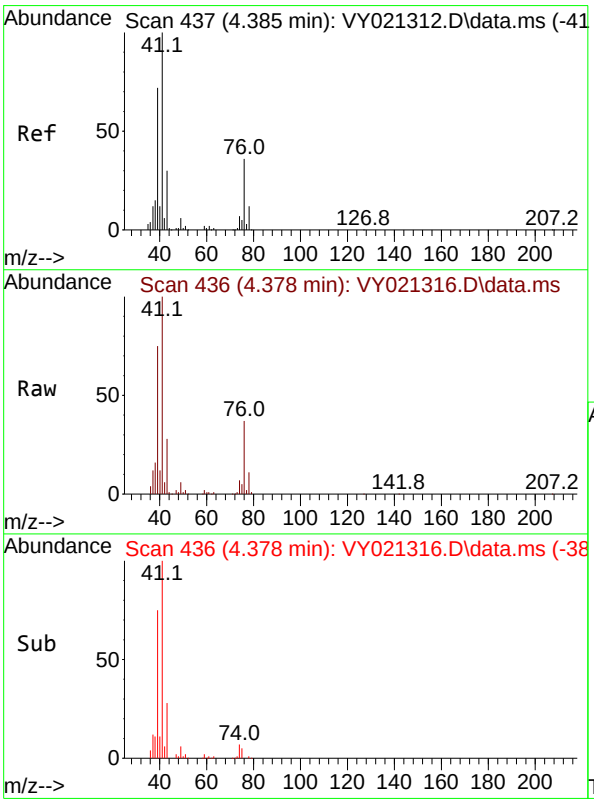
Ion	Ratio	Lower	Upper
56	100		
55	72.5	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

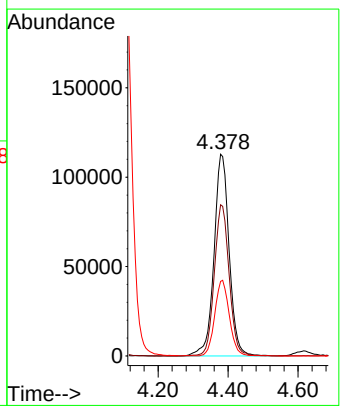
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

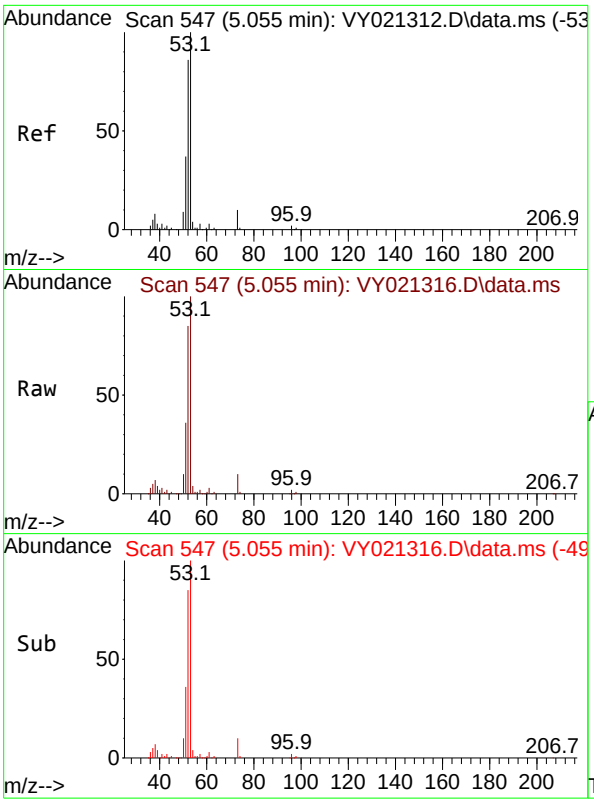


#14
Allyl chloride
Concen: 99.720 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 339203

Ion	Ratio	Lower	Upper
41	100		
39	73.6	60.0	90.0
76	36.1	29.0	43.6





#15
Acrylonitrile
Concen: 477.449 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 53 Resp: 21927

Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.5	98.3
51	37.9	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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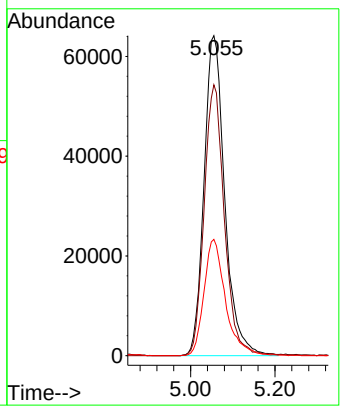
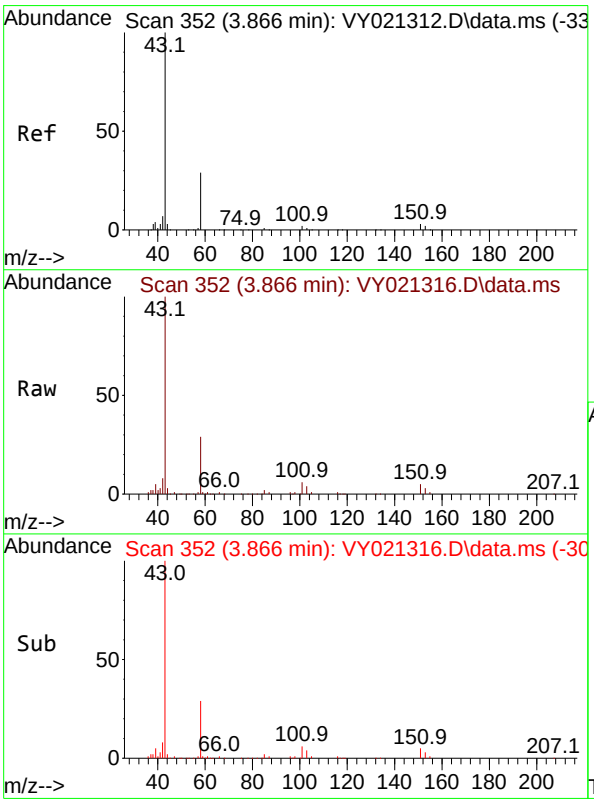
Supervised By :Mahesh Dadoda 02/26/2025

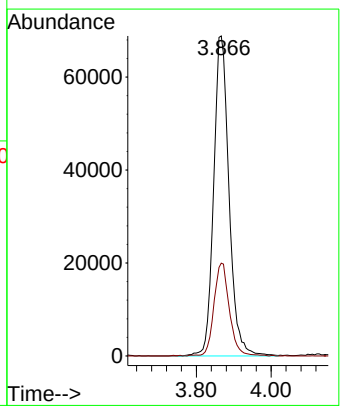


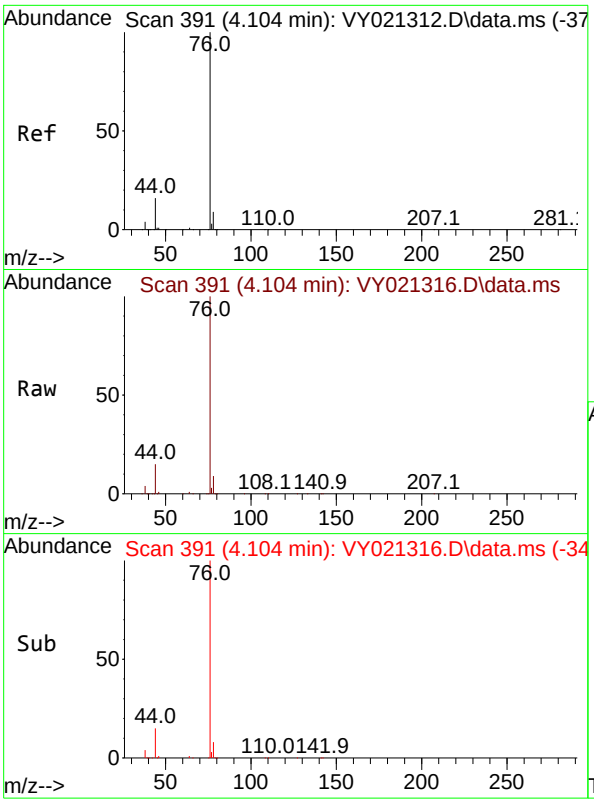


#16
Acetone
Concen: 473.421 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 196435

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.5	35.3

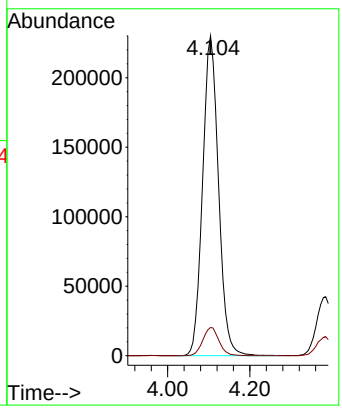




#17
Carbon Disulfide
Concen: 96.953 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 76 Resp: 61766

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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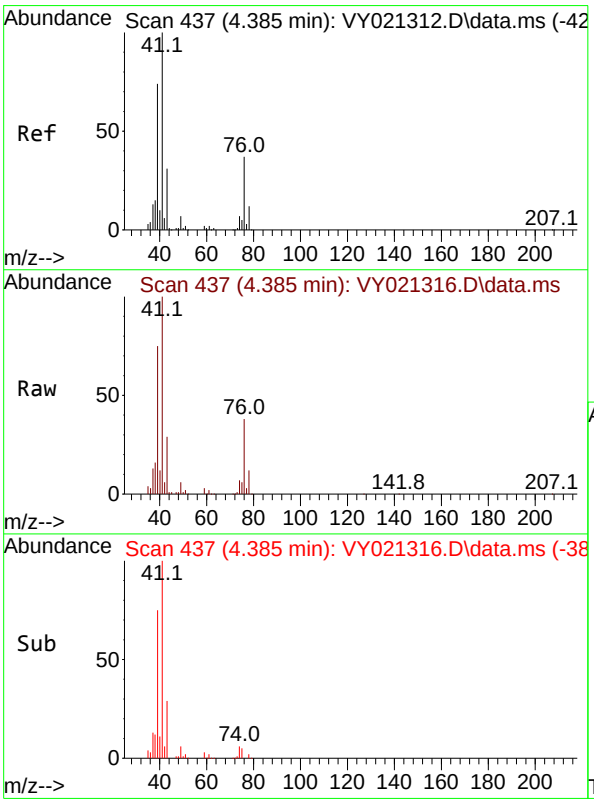
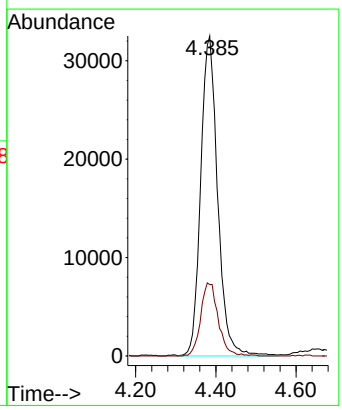
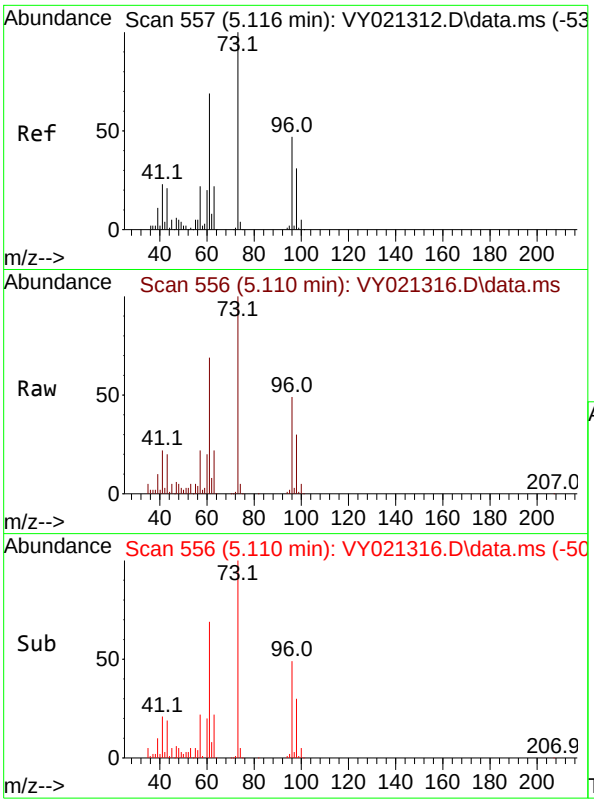


#18
Methyl Acetate
Concen: 94.085 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 95405

Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.7	26.5

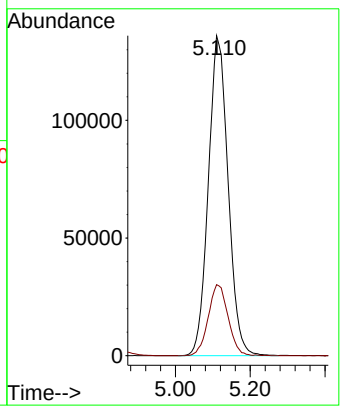




#19
Methyl tert-butyl Ether
Concen: 98.337 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 73 Resp: 49846

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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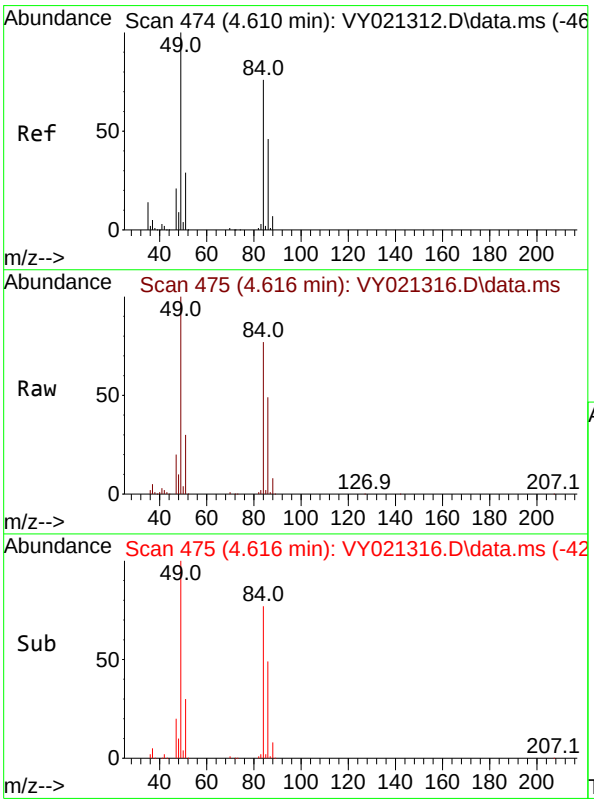
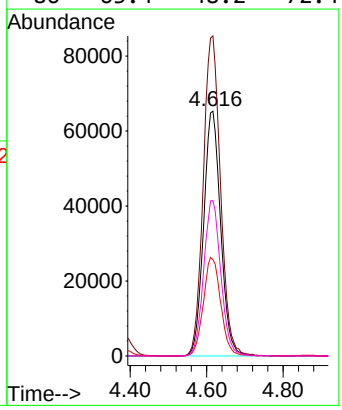
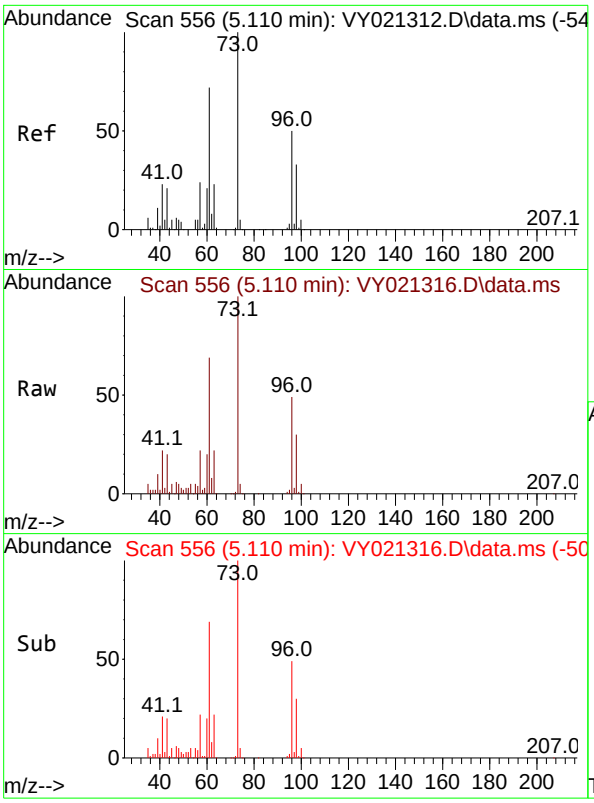


#20
Methylene Chloride
Concen: 89.894 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 84 Resp: 201698

Ion	Ratio	Lower	Upper
84	100		
49	130.7	105.1	157.7
51	39.3	31.0	46.4
86	63.4	48.2	72.4

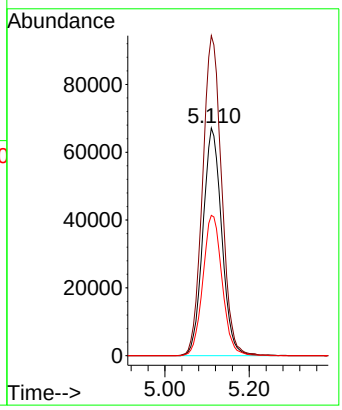




#21
trans-1,2-Dichloroethene
Concen: 98.718 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 20849

Ion	Ratio	Lower	Upper
96	100		
61	140.5	116.3	174.5
98	61.7	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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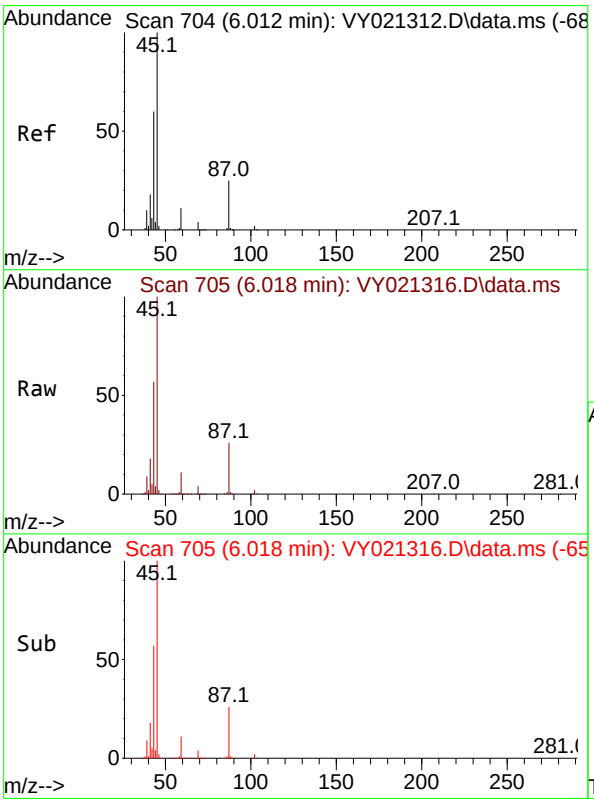
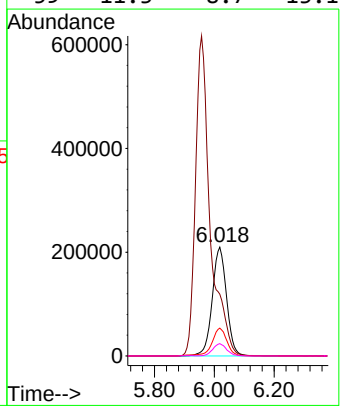
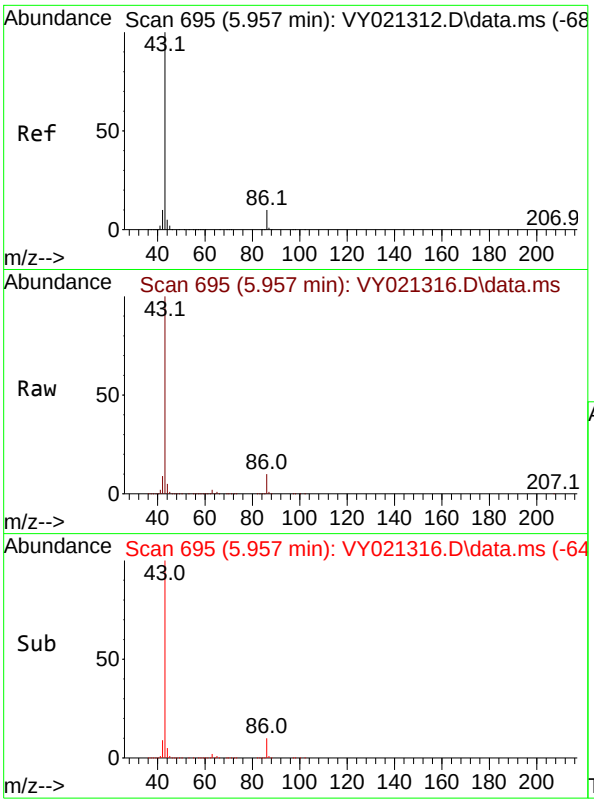


#22
Diisopropyl ether
Concen: 99.061 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 45 Resp: 697290

Ion	Ratio	Lower	Upper
45	100		
43	56.7	48.2	72.4
87	25.6	20.3	30.5
59	11.3	8.7	13.1





#23
Vinyl Acetate
Concen: 500.017 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 210321

Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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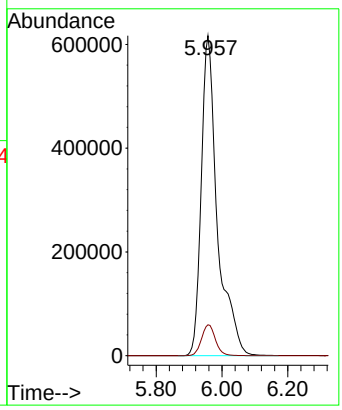
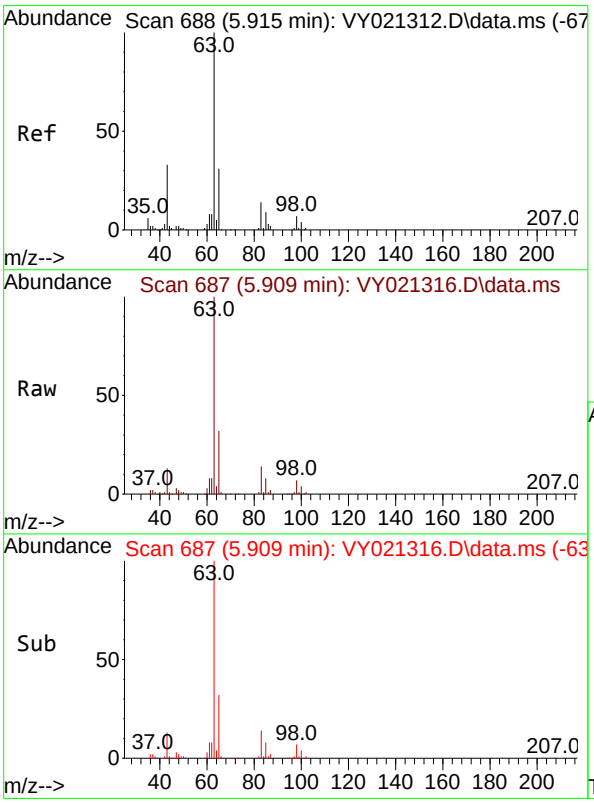
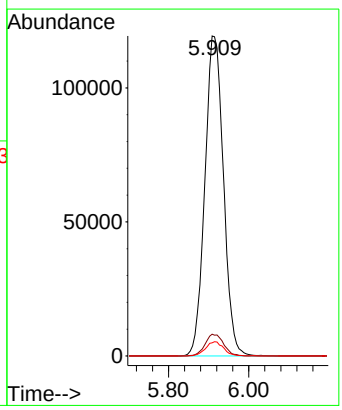


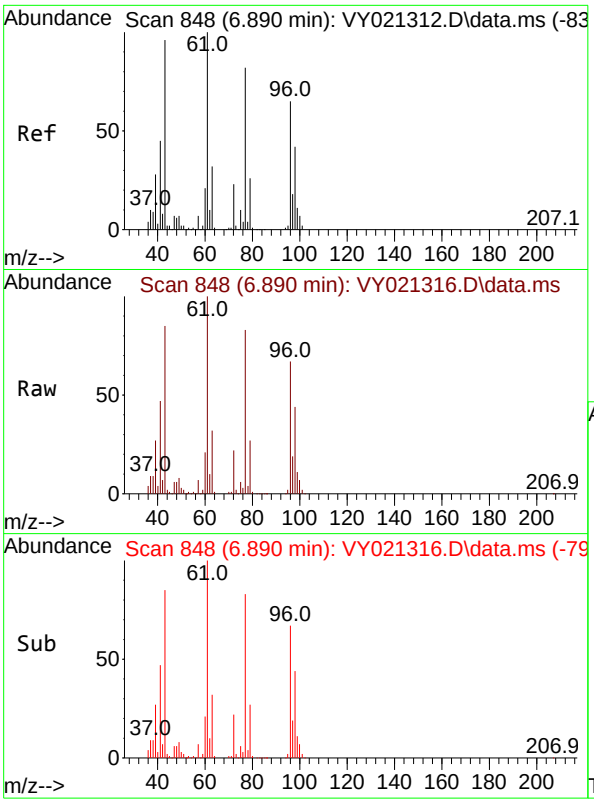


#24
1,1-Dichloroethane
Concen: 96.798 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 384030

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.7	11.1
100	4.1	2.1	6.5

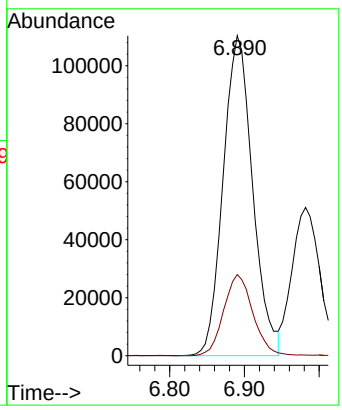




#25
2-Butanone
Concen: 483.977 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 30307

Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.0	28.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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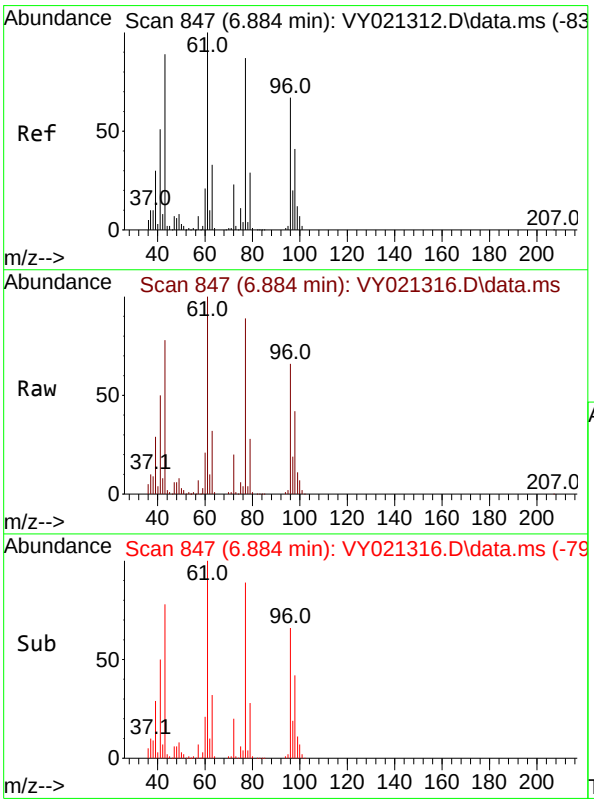
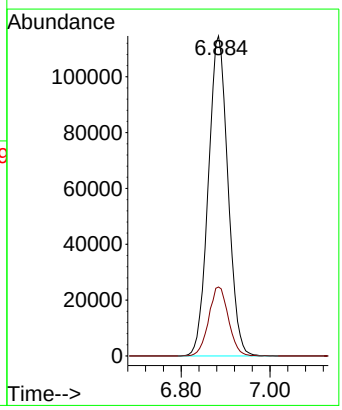
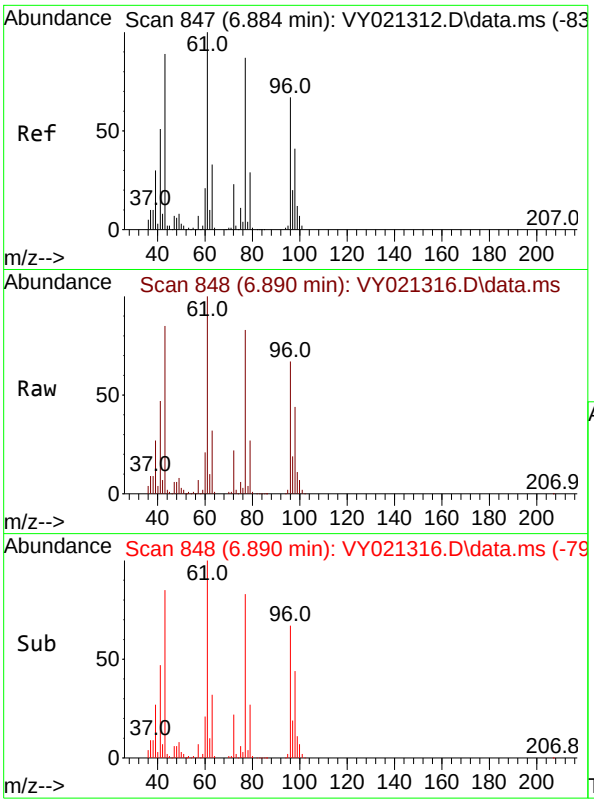


#26
2,2-Dichloropropane
Concen: 97.467 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 77 Resp: 350870

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7

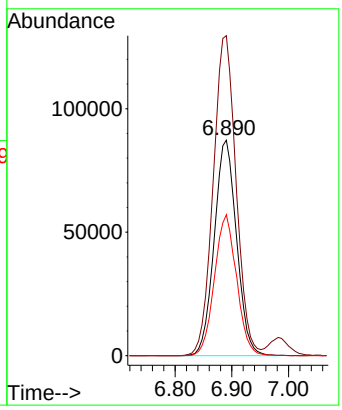




#27
cis-1,2-Dichloroethene
Concen: 99.061 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 23891

Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	308.0
98	64.8	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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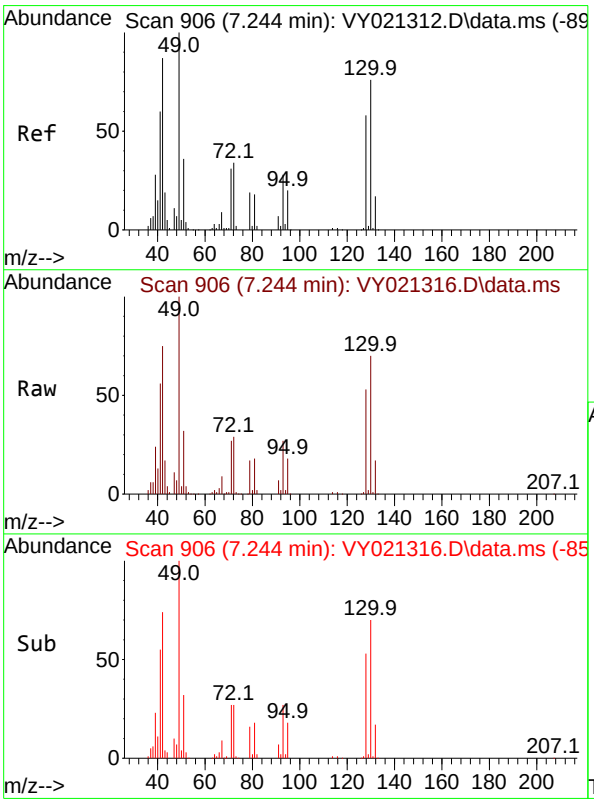
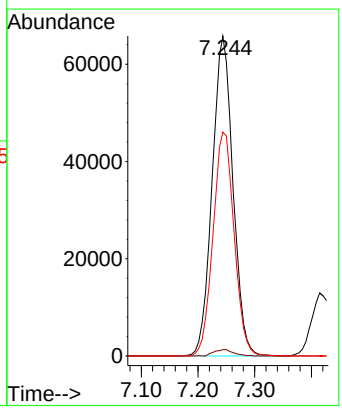
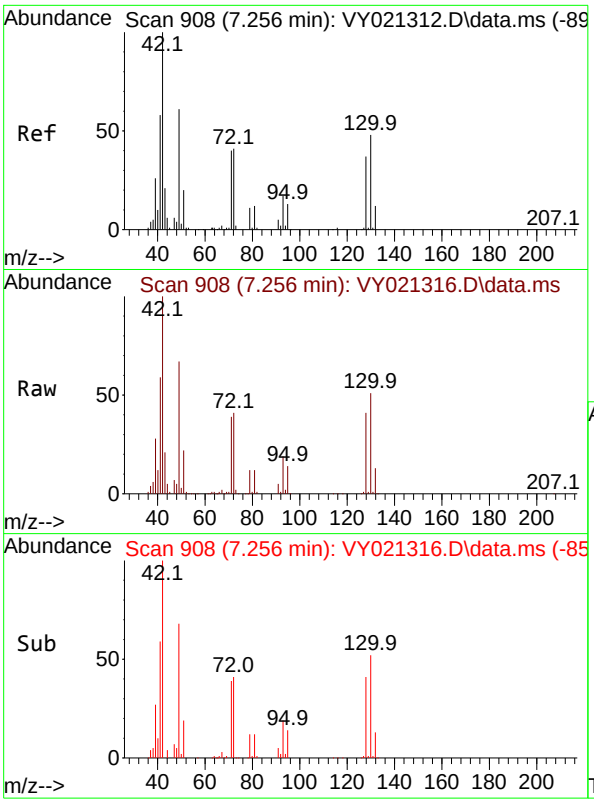


#28
Bromochloromethane
Concen: 95.287 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 49 Resp: 167271

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	71.2	57.8	86.6

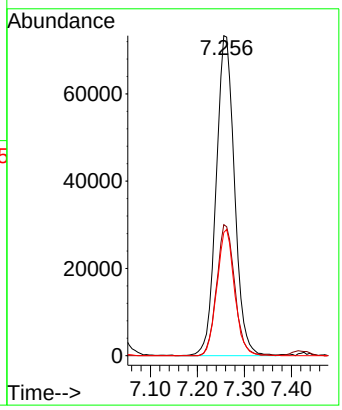




#29
Tetrahydrofuran
Concen: 486.299 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 42 Resp: 19905

Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.1	49.7
71	37.9	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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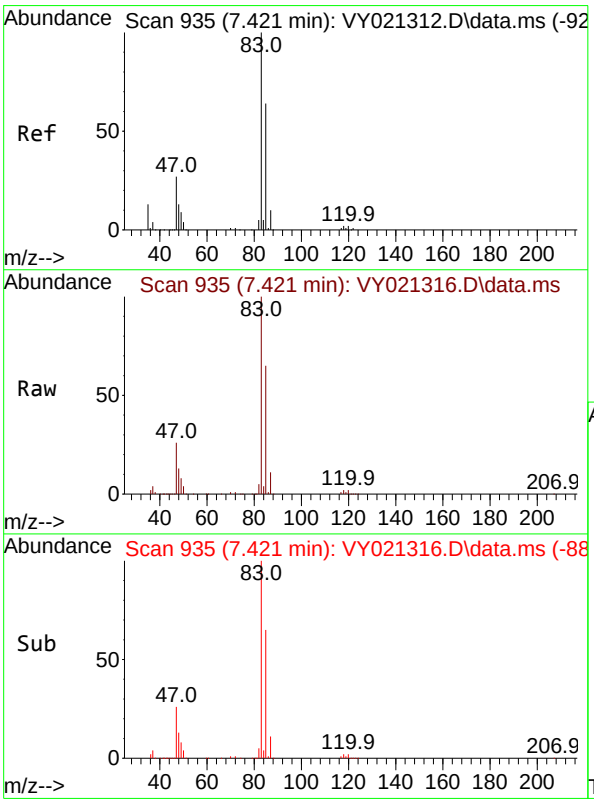
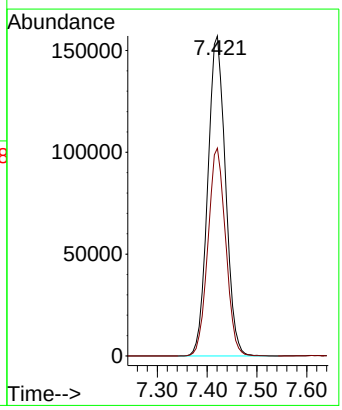
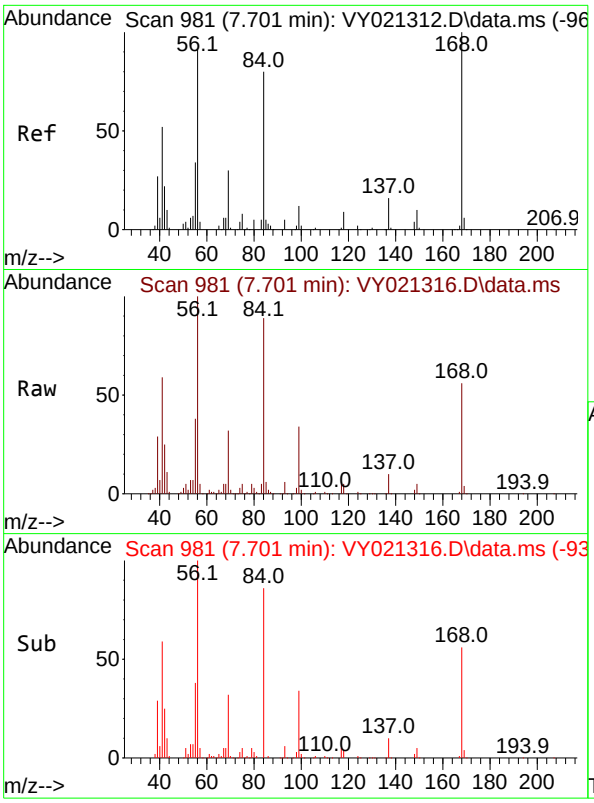


#30
Chloroform
Concen: 96.458 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 387767

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4





#31
Cyclohexane
Concen: 92.269 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 56 Resp: 35187

Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.2	39.4
84	87.4	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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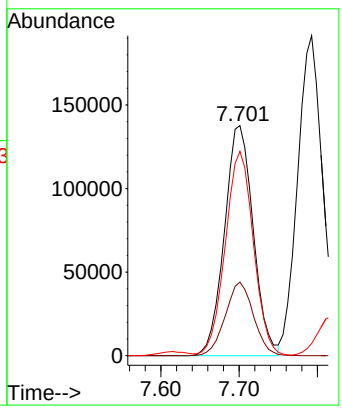
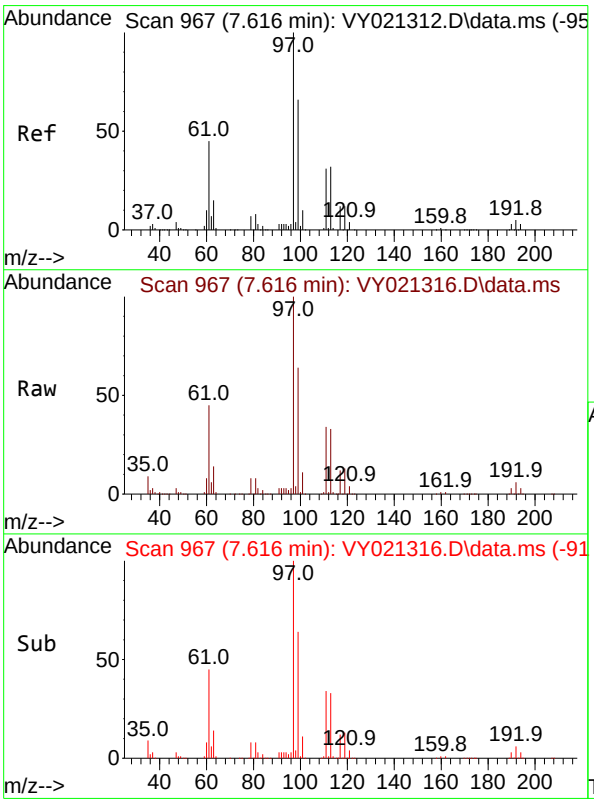
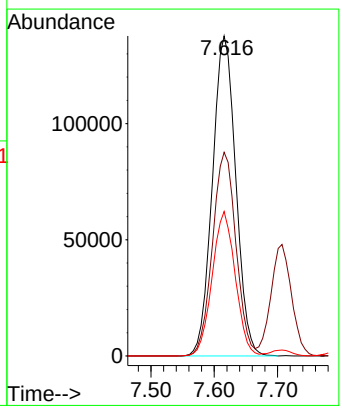


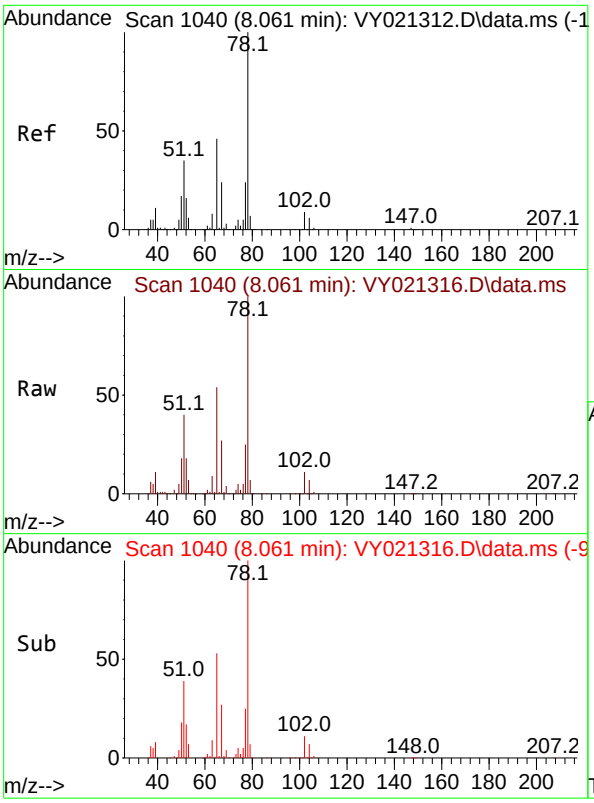


#32
1,1,1-Trichloroethane
Concen: 96.663 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 97 Resp: 353701

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	44.5	36.2	54.2

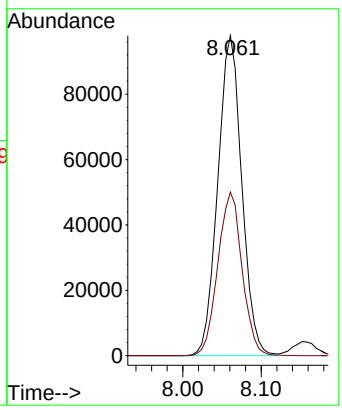




#33
1,2-Dichloroethane-d4
Concen: 96.407 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 65 Resp: 20853

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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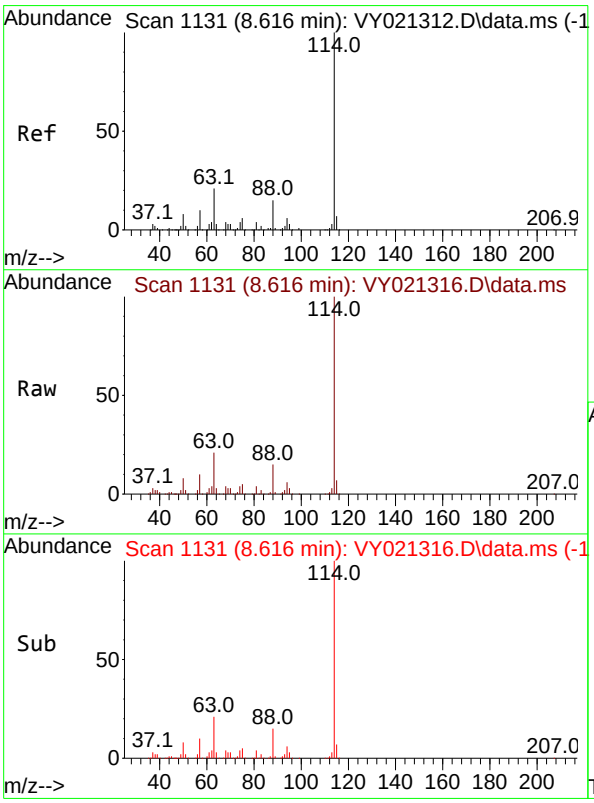
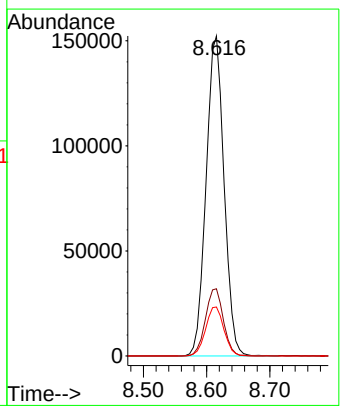
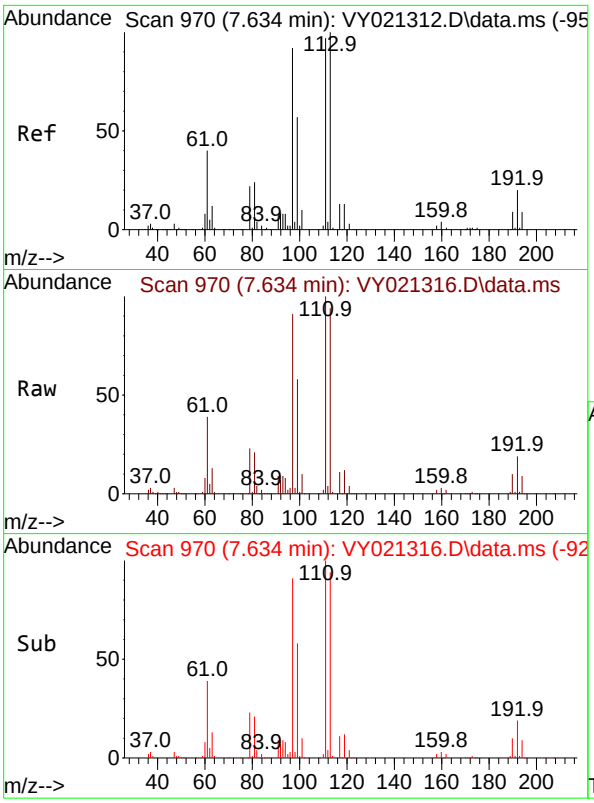


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:114 Resp: 300486

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.2
88	15.3	0.0	29.8

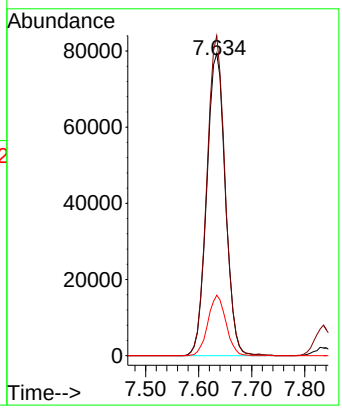




#35
Dibromofluoromethane
Concen: 98.377 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:113 Resp: 19380

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.6
192	19.4	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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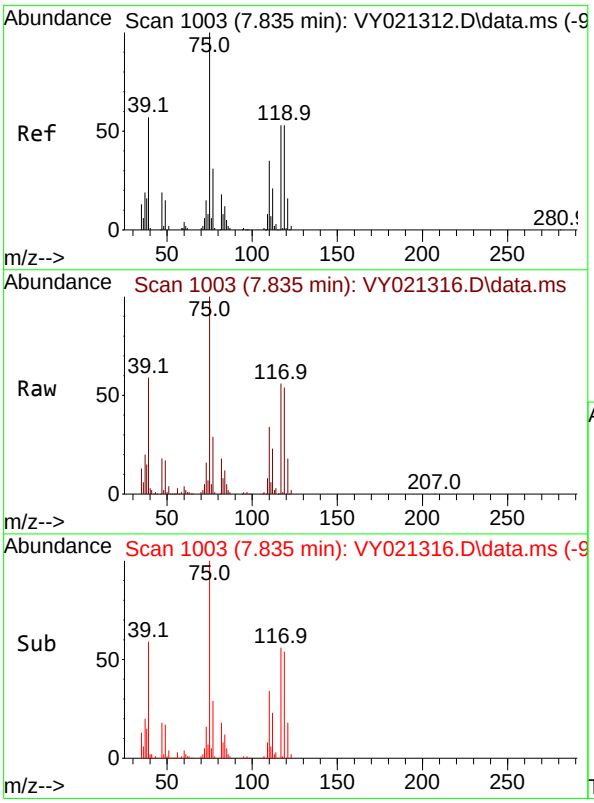
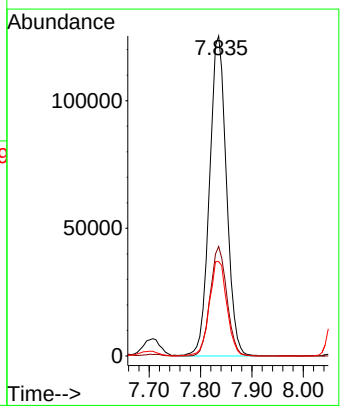
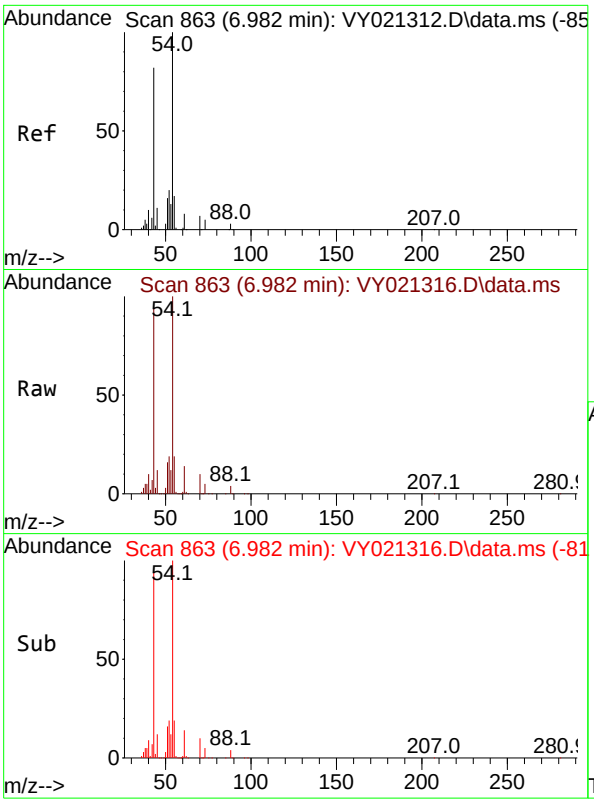


#36
1,1-Dichloropropene
Concen: 97.146 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 287472

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.7
77	30.5	24.6	36.8

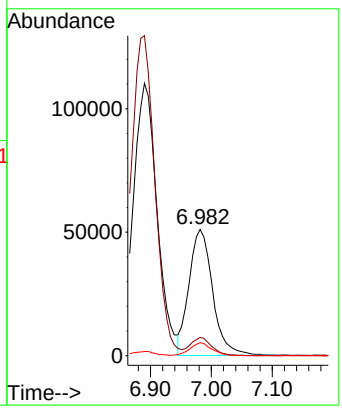




#37
Ethyl Acetate
Concen: 93.230 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 13723

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.5	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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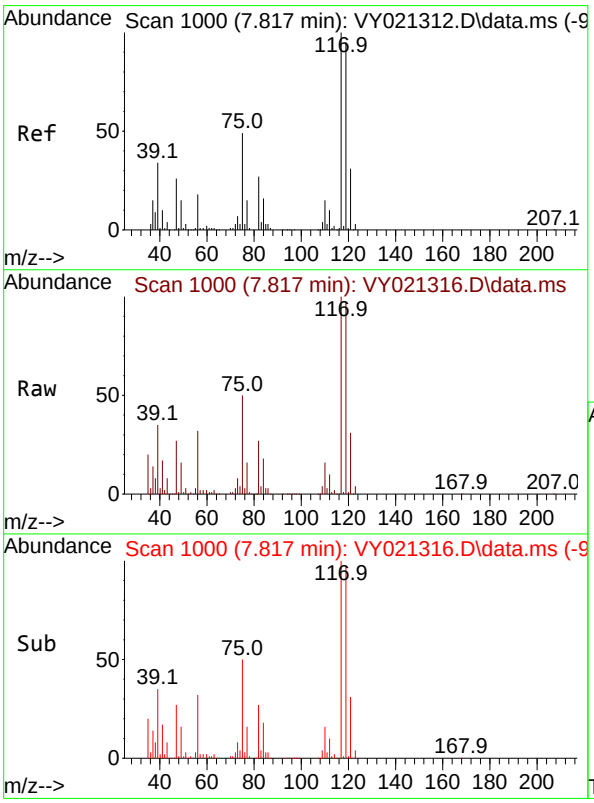
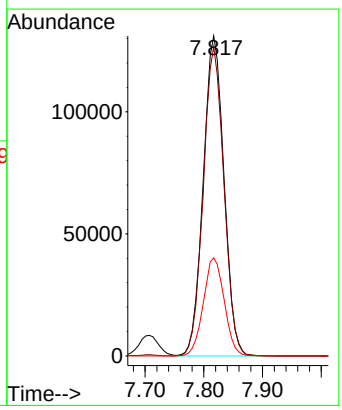
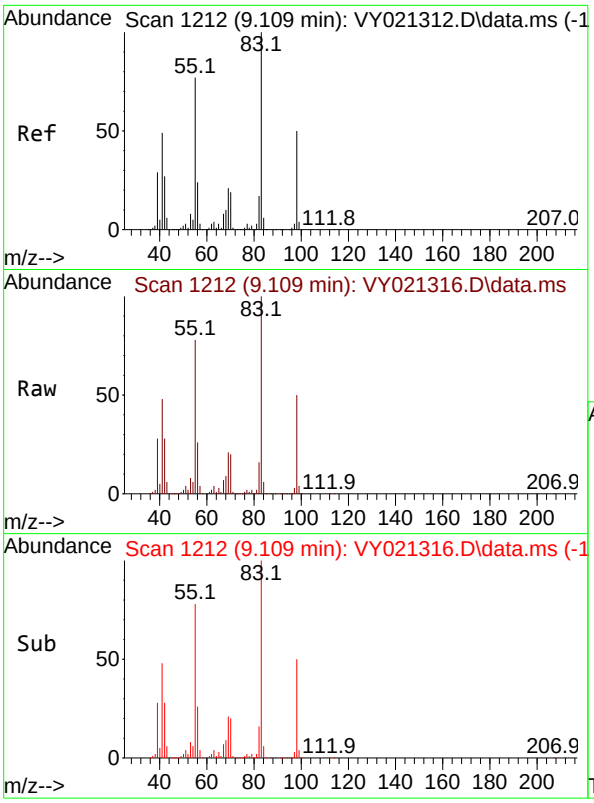


#38
Carbon Tetrachloride
Concen: 96.663 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 321576

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.0	114.0
121	30.7	24.9	37.3





#39
Methylcyclohexane
Concen: 99.169 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 37117

Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.3	91.9
98	49.6	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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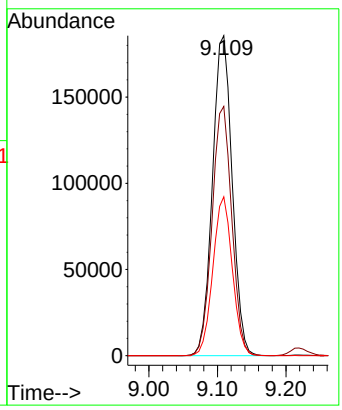
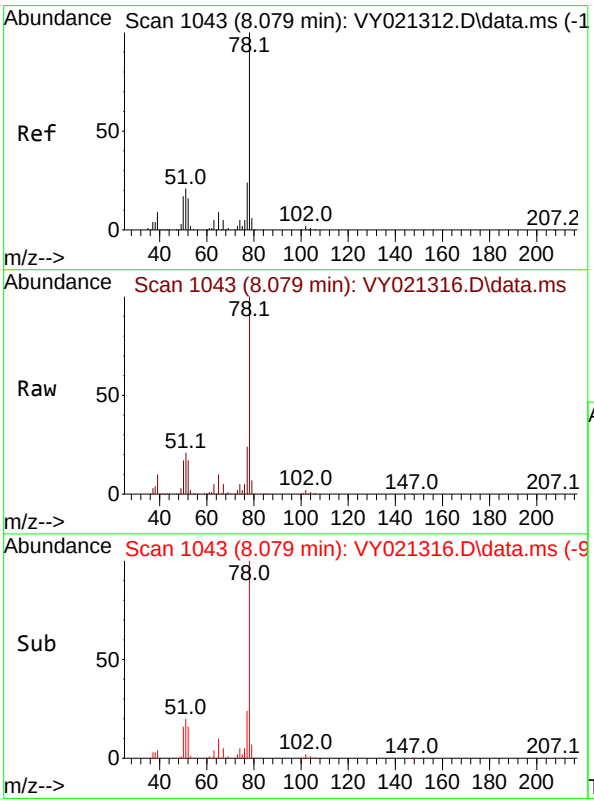
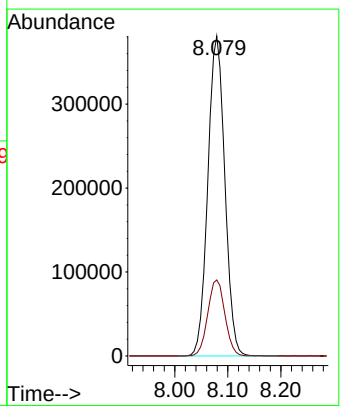


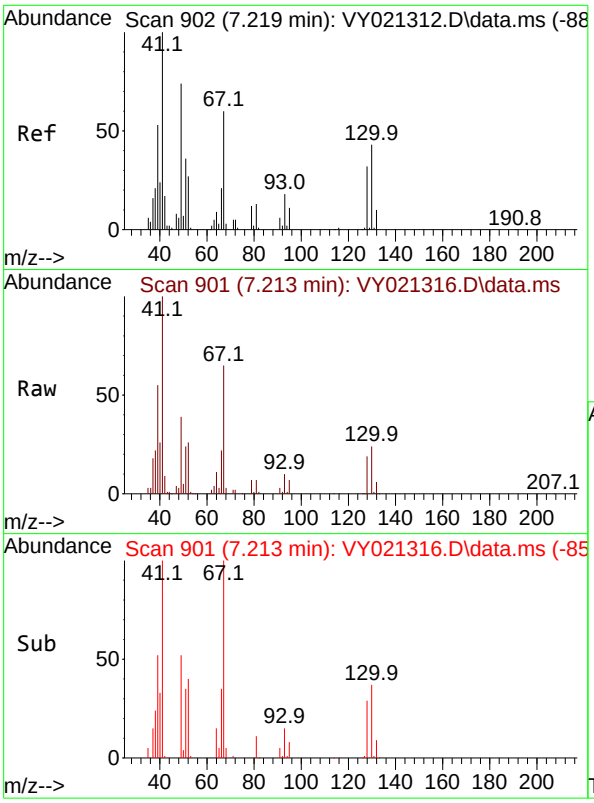


#40
Benzene
Concen: 96.835 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 78 Resp: 847066

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8

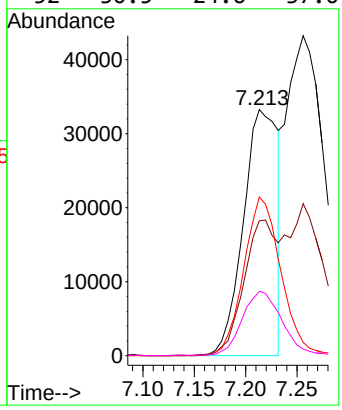




#41
Methacrylonitrile
Concen: 94.219 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 7754

Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.3	63.5
67	69.9	54.8	82.2
52	30.5	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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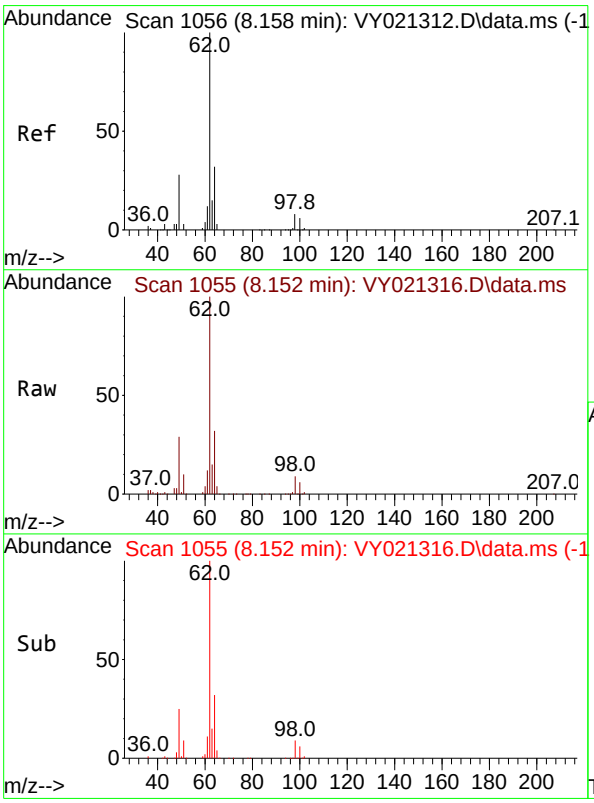
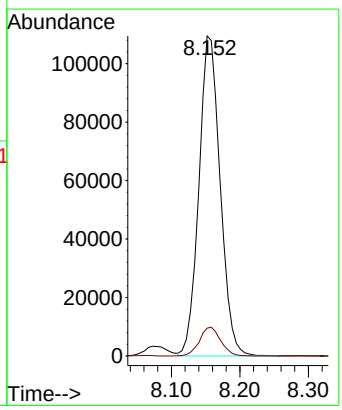
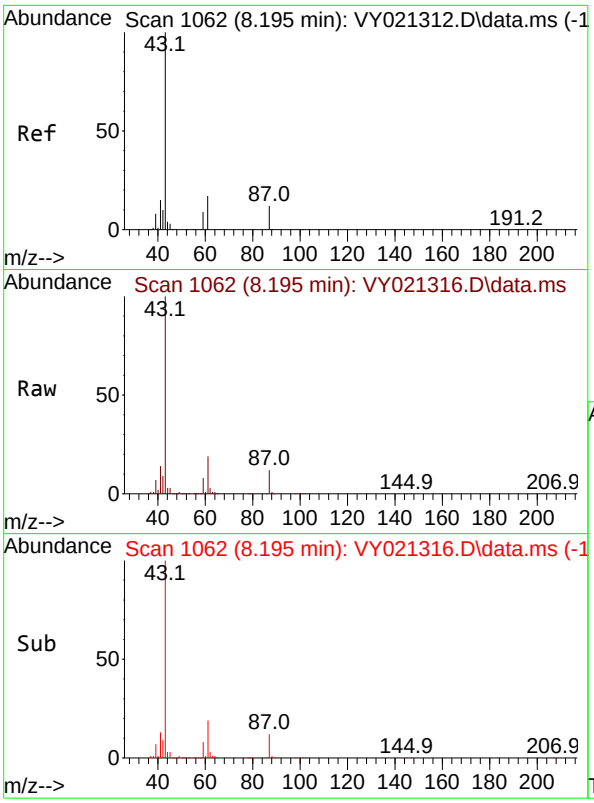


#42
1,2-Dichloroethane
Concen: 95.375 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 236704

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6

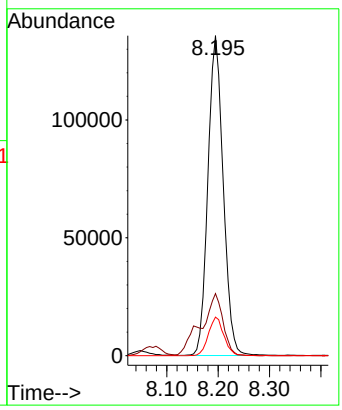




#43
Isopropyl Acetate
Concen: 98.388 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 28032

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.0	22.6
87	12.2	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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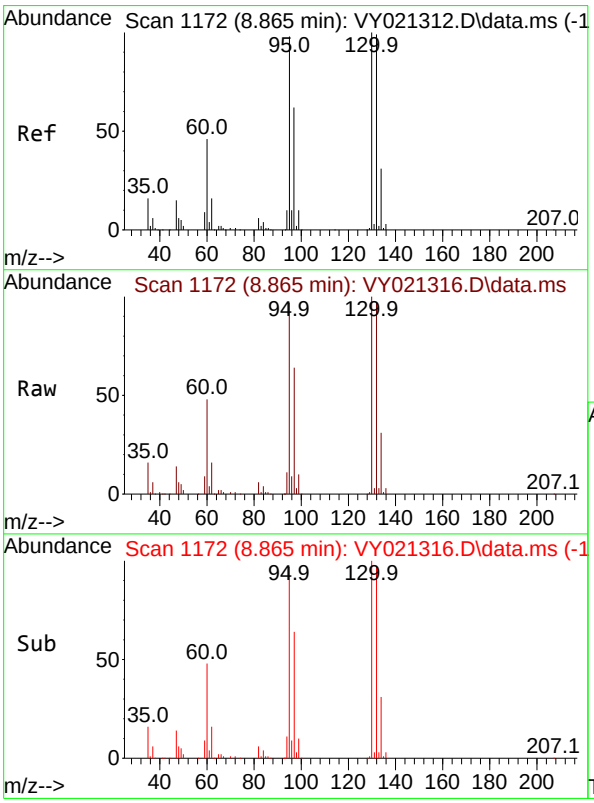
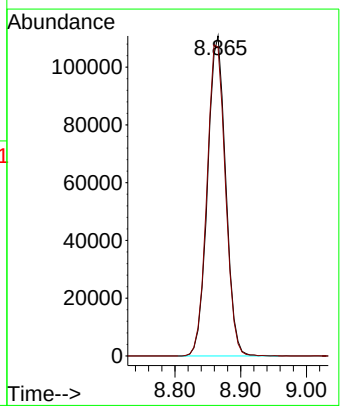
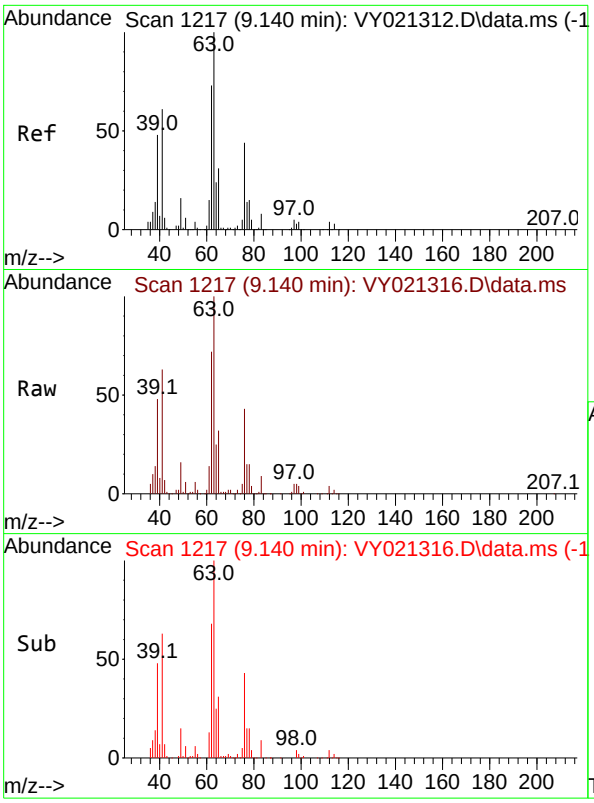


#44
Trichloroethene
Concen: 97.057 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:130 Resp: 212562

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	196.0

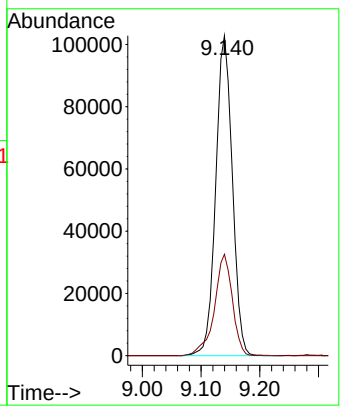




#45
1,2-Dichloropropane
Concen: 95.814 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 20170

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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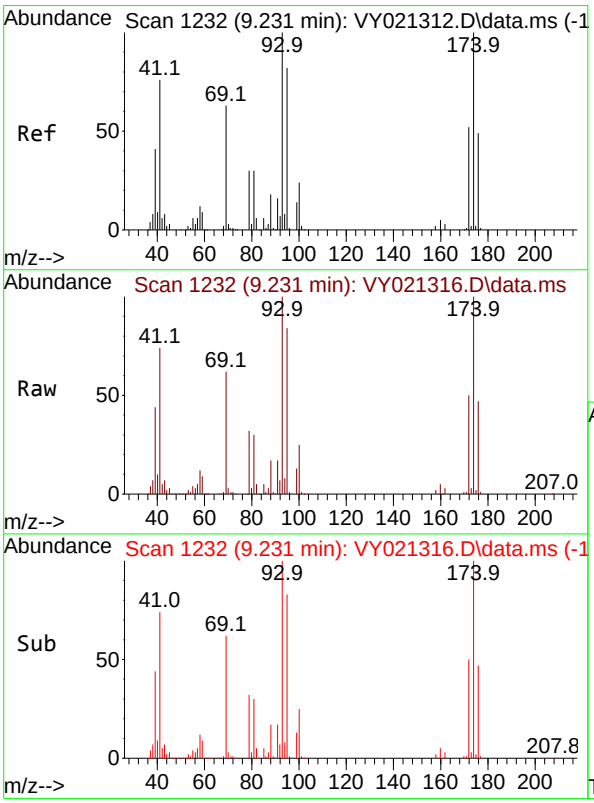
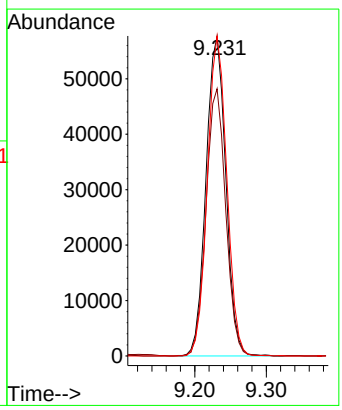
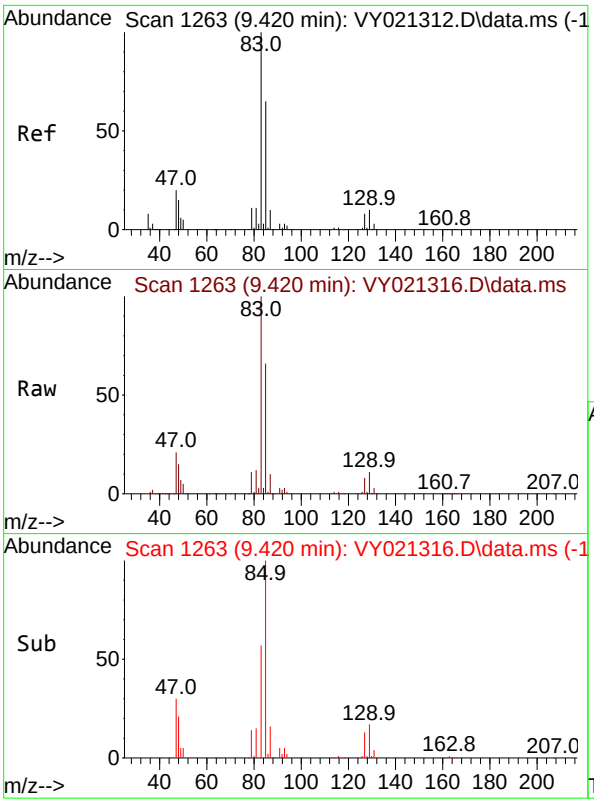


#46
Dibromomethane
Concen: 96.301 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 93 Resp: 110814

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.4	99.6
174	98.3	78.2	117.2

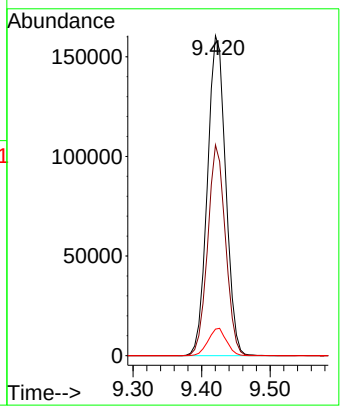




#47
Bromodichloromethane
Concen: 96.904 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 29732

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8
127	8.3	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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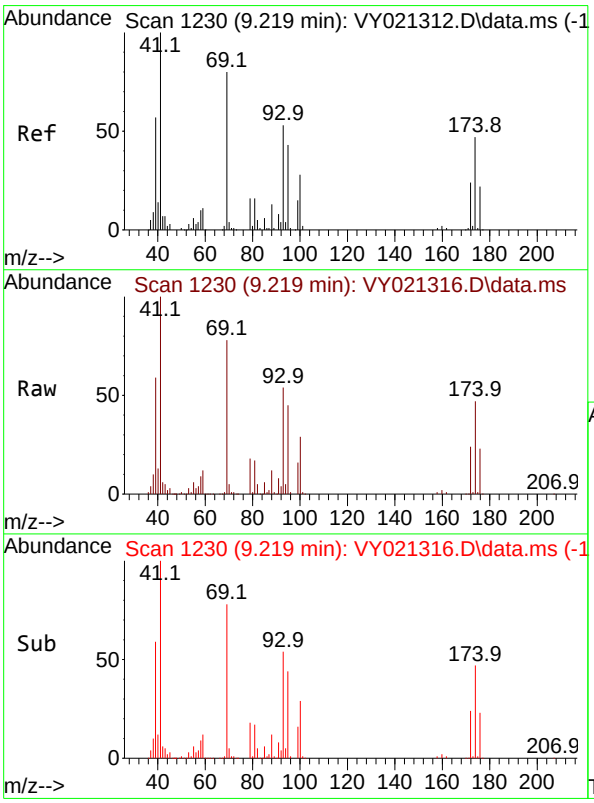
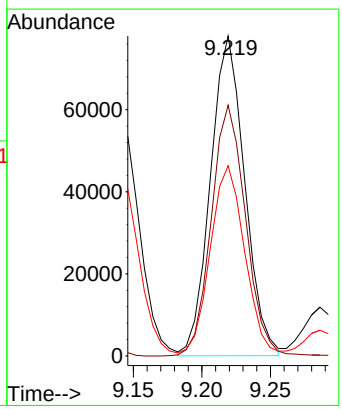
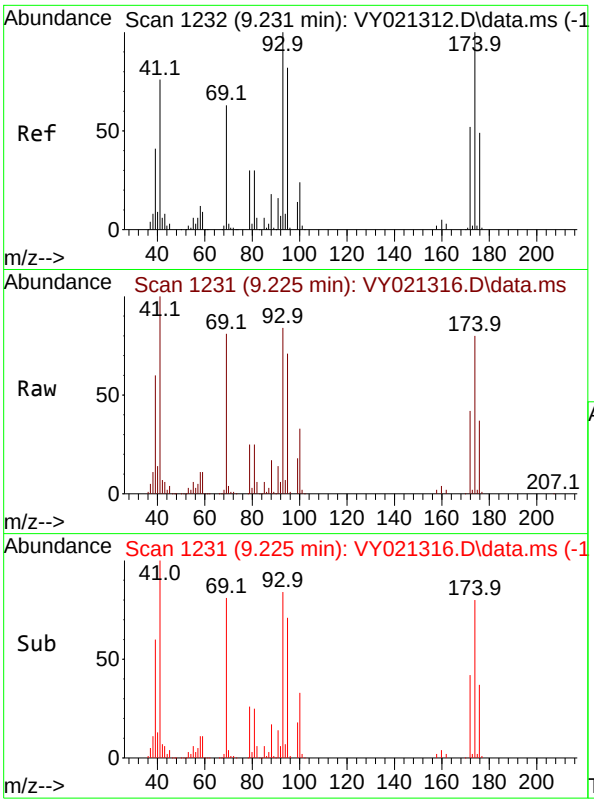


#48
Methyl methacrylate
Concen: 101.635 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 135412

Ion	Ratio	Lower	Upper
41	100		
69	78.9	63.3	94.9
39	58.0	45.0	67.6

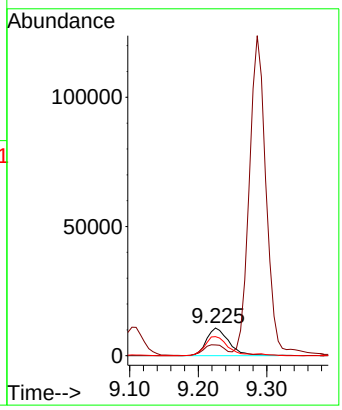




#49
1,4-Dioxane
Concen: 1903.504 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 88 Resp: 2435

Ion	Ratio	Lower	Upper
88	100		
43	38.0	34.8	52.2
58	70.4	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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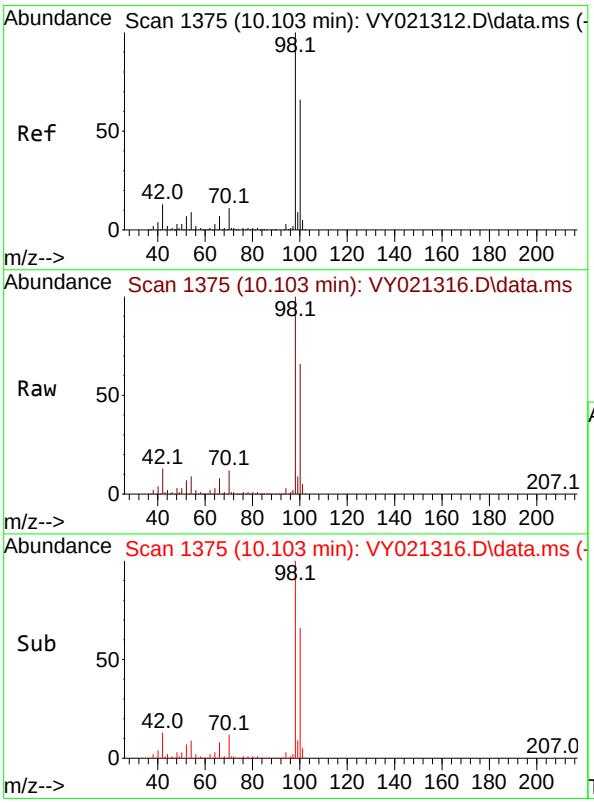
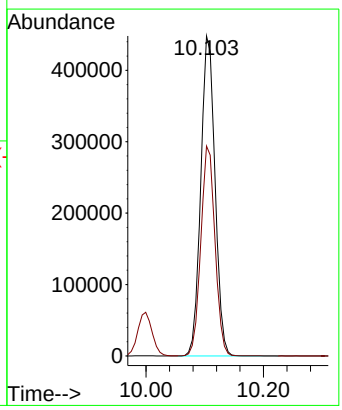
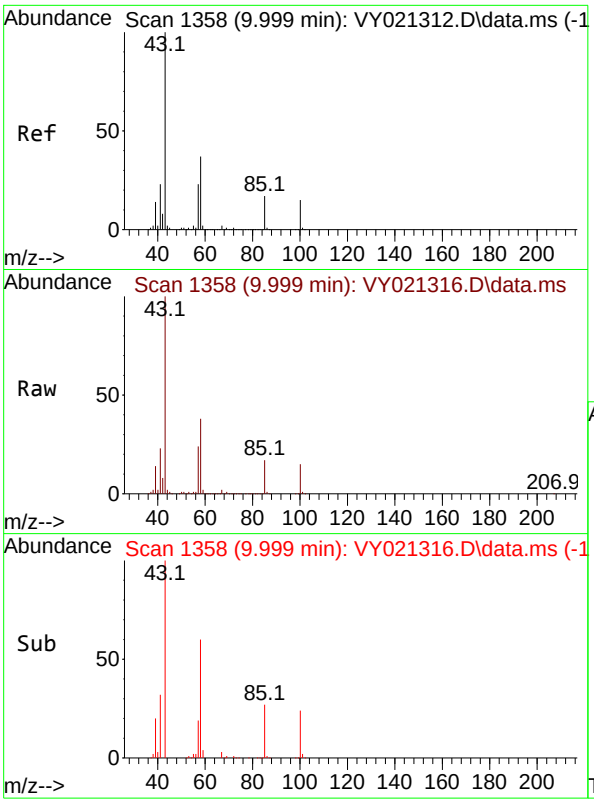


#50
Toluene-d8
Concen: 98.889 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 98 Resp: 752895

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6

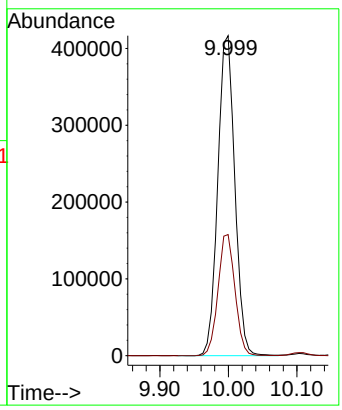




#51
4-Methyl-2-Pentanone
Concen: 490.938 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 71600

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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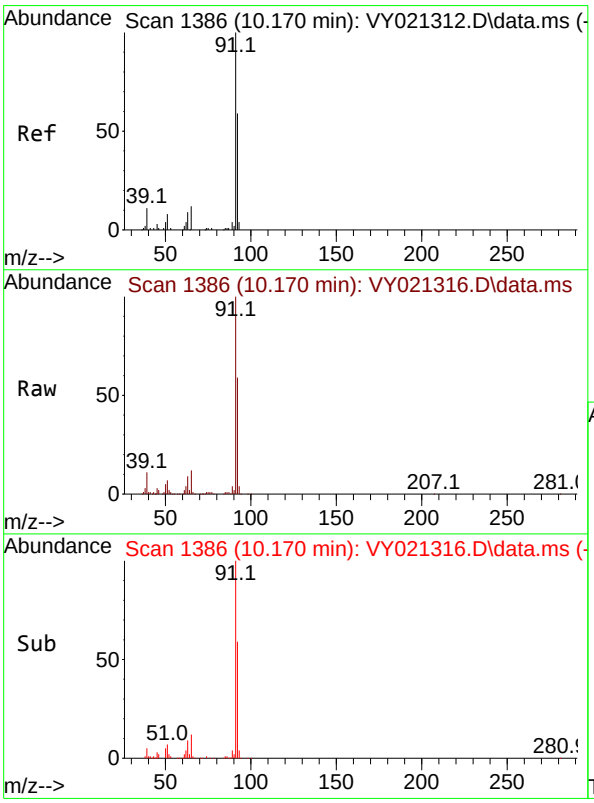
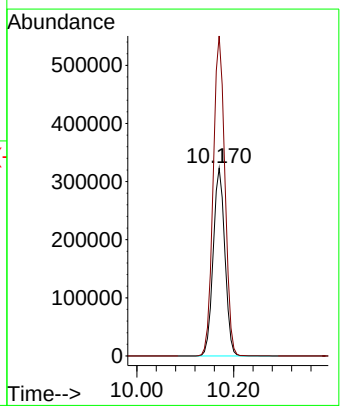
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

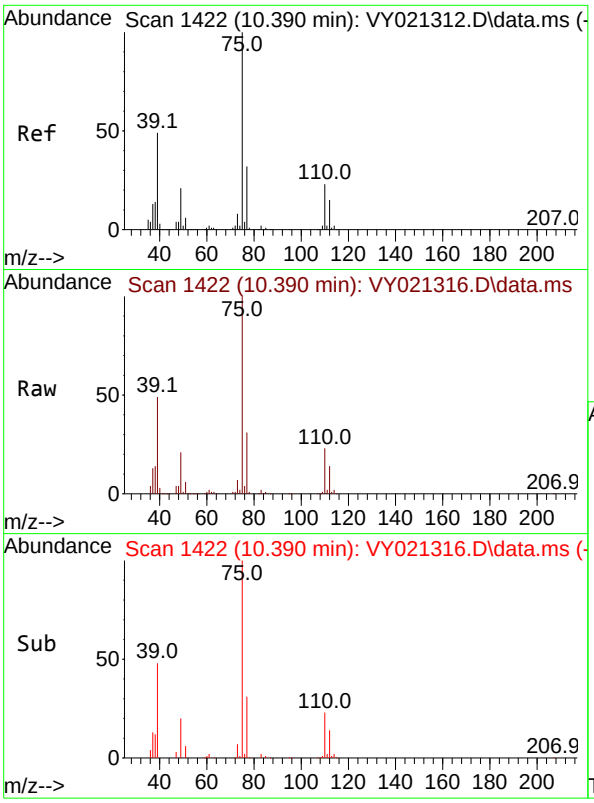


#52
Toluene
Concen: 99.189 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 92 Resp: 539016

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.8	206.8

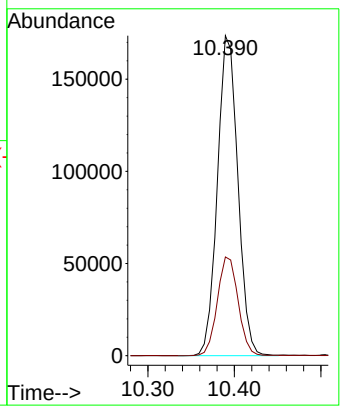




#53
t-1,3-Dichloropropene
Concen: 101.290 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 28473

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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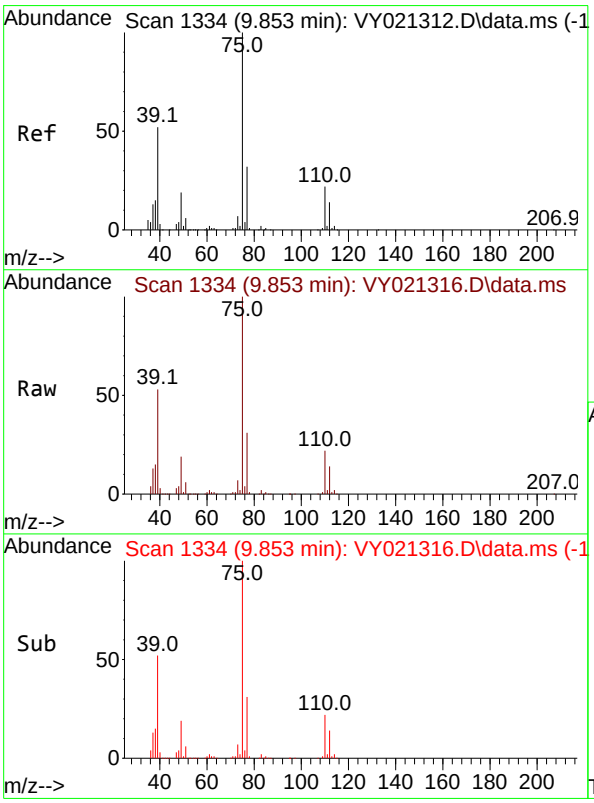
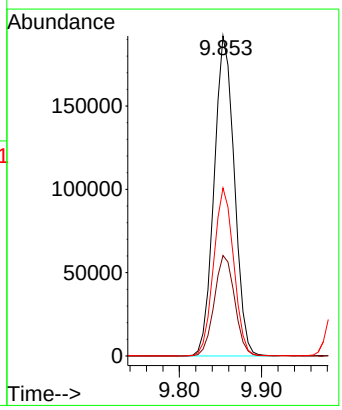
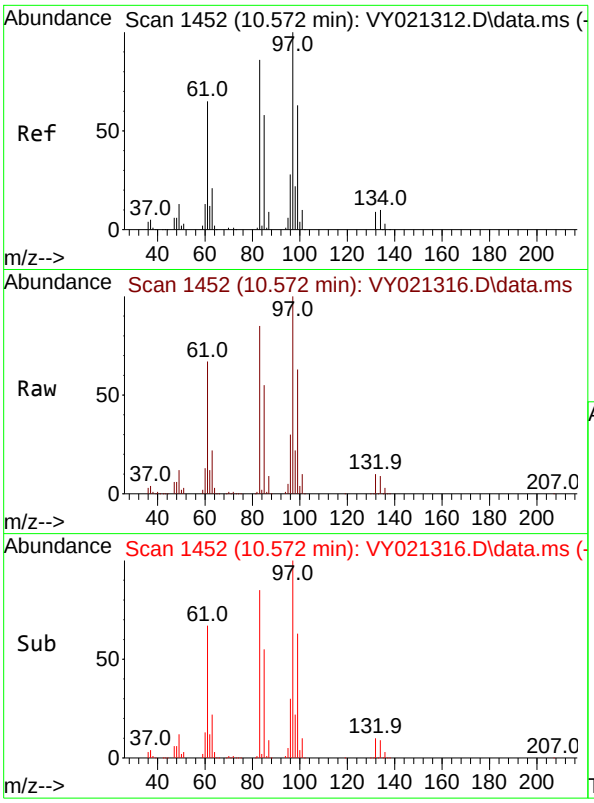


#54
cis-1,3-Dichloropropene
Concen: 98.870 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 328107

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	52.5	41.8	62.6

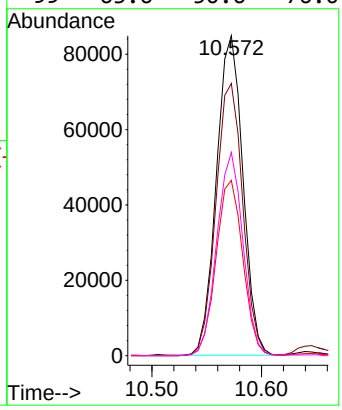




#55
1,1,2-Trichloroethane
Concen: 94.975 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 97 Resp: 14237

Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.7	103.1
85	54.9	46.3	69.5
99	63.6	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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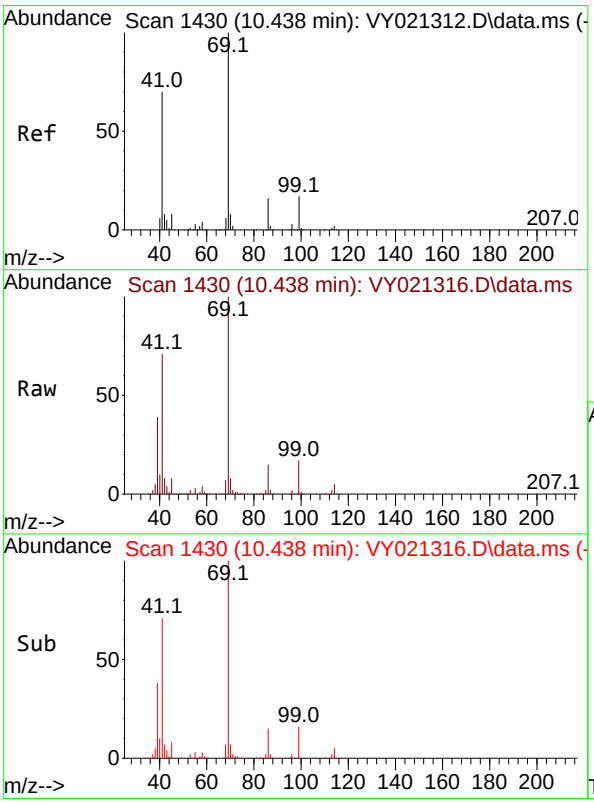
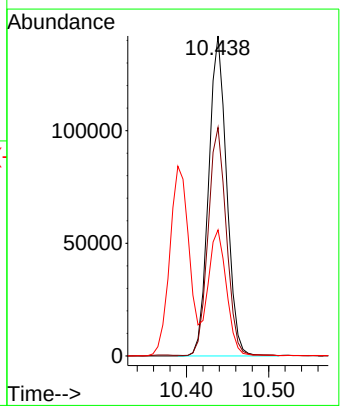
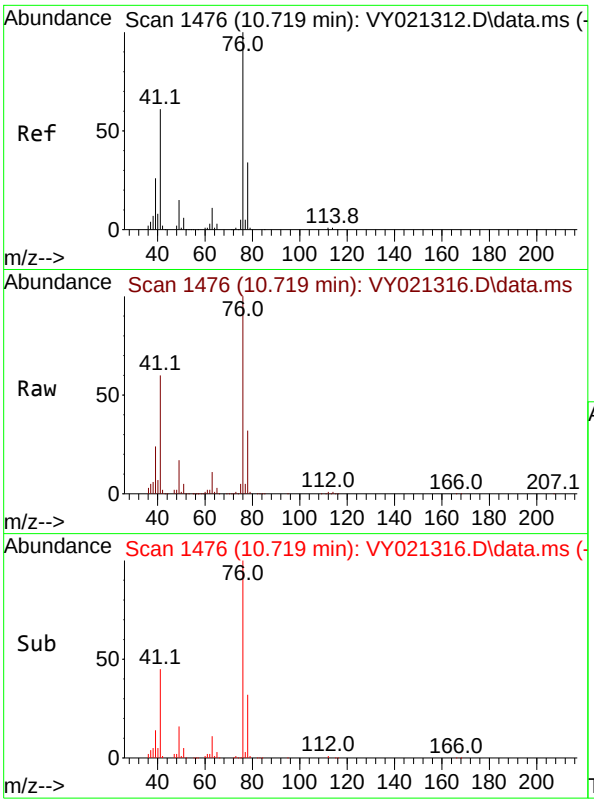


#56
Ethyl methacrylate
Concen: 104.564 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 69 Resp: 216586

Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.2	84.4
39	40.2	32.7	49.1

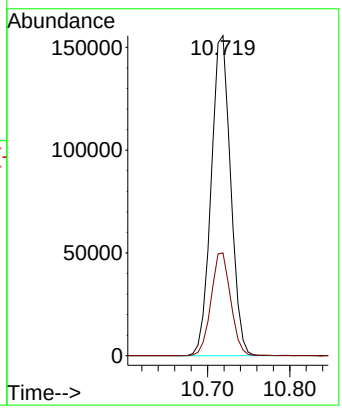




#57
1,3-Dichloropropane
Concen: 97.283 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 76 Resp: 25590

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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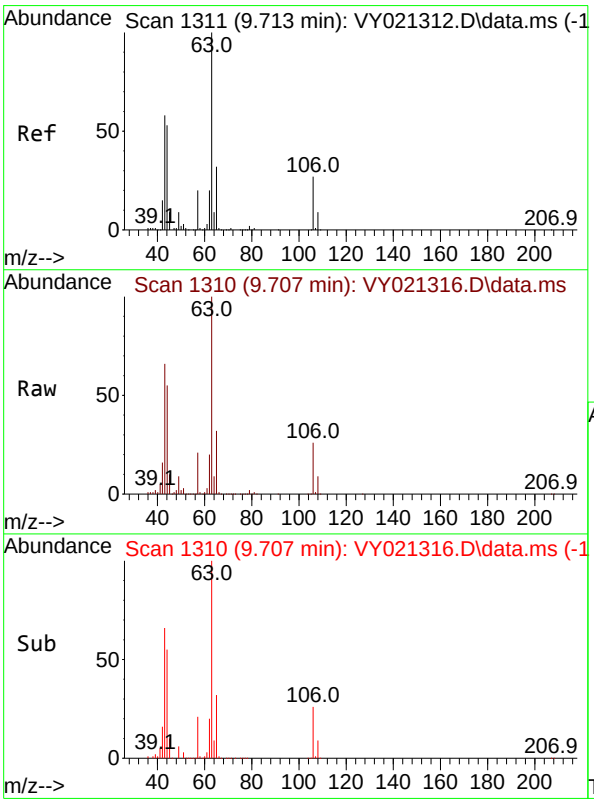
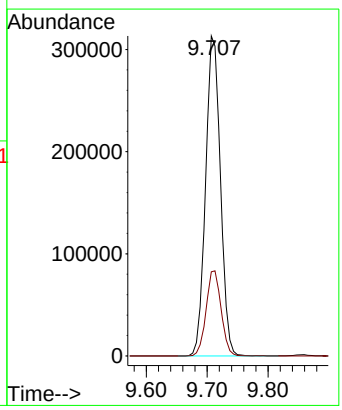
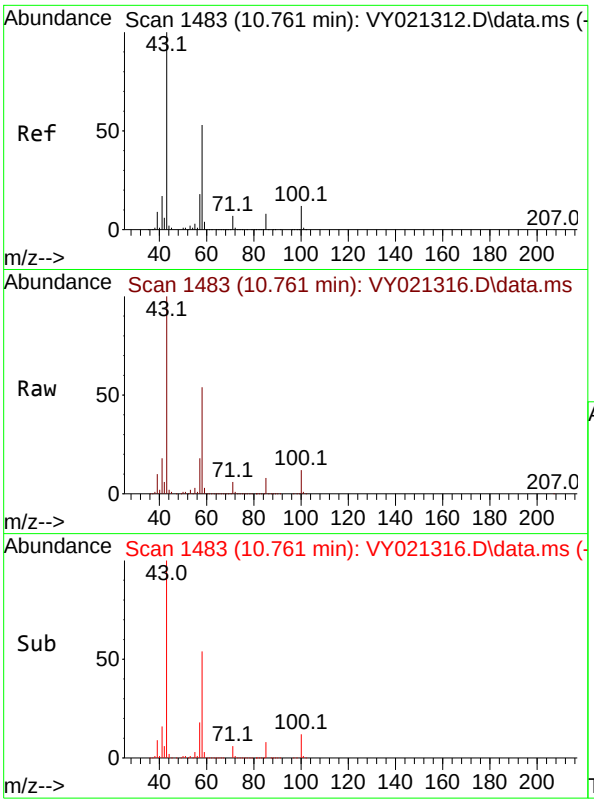


#58
2-Chloroethyl Vinyl ether
Concen: 533.791 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 530695

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5





#59
2-Hexanone
Concen: 507.115 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 48573

Ion	Ratio	Lower	Upper
43	100		
58	52.5	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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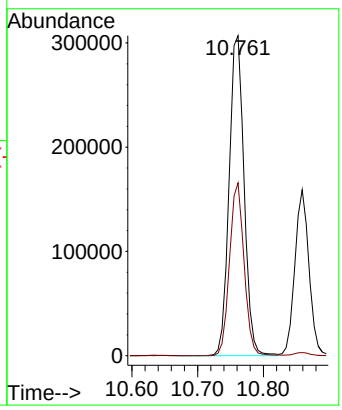
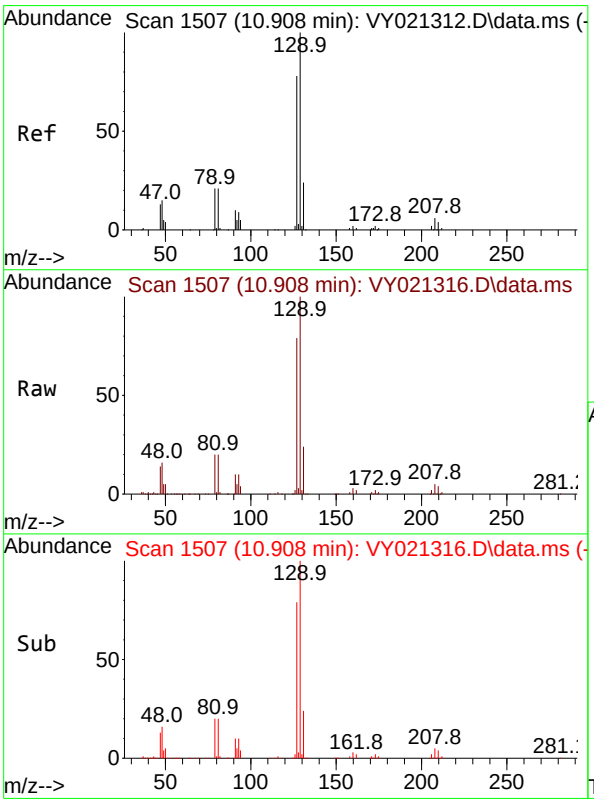
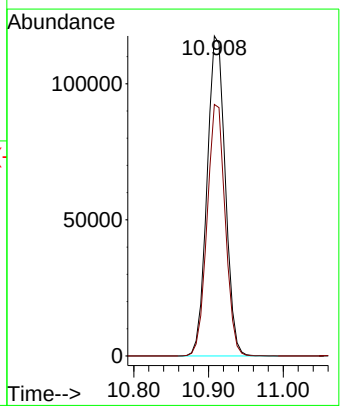


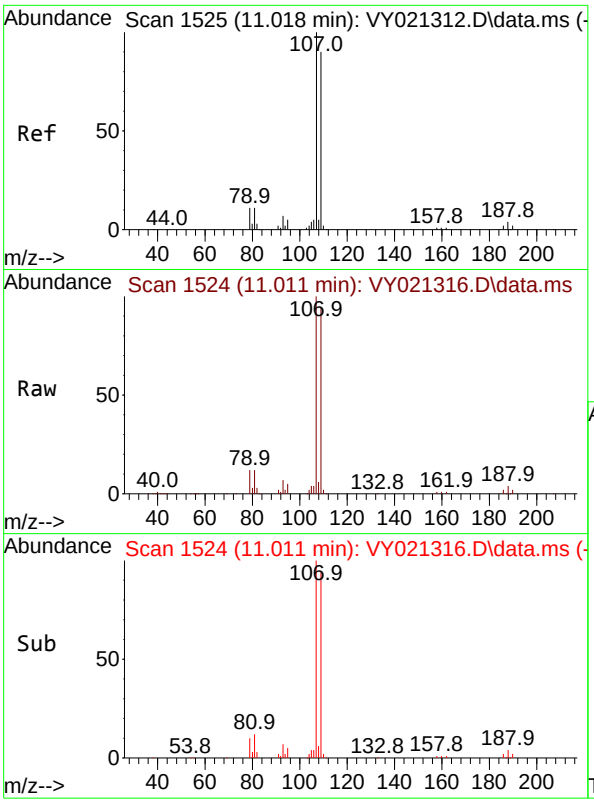


#60
Dibromochloromethane
Concen: 97.582 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:129 Resp: 199225

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.8	116.4

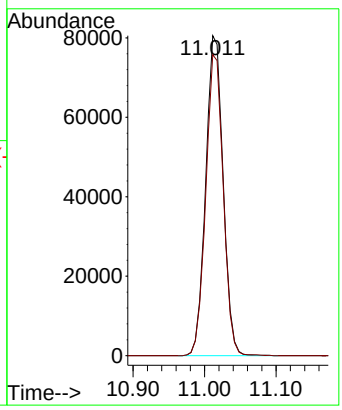




#61
1,2-Dibromoethane
Concen: 96.029 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:107 Resp: 13628

Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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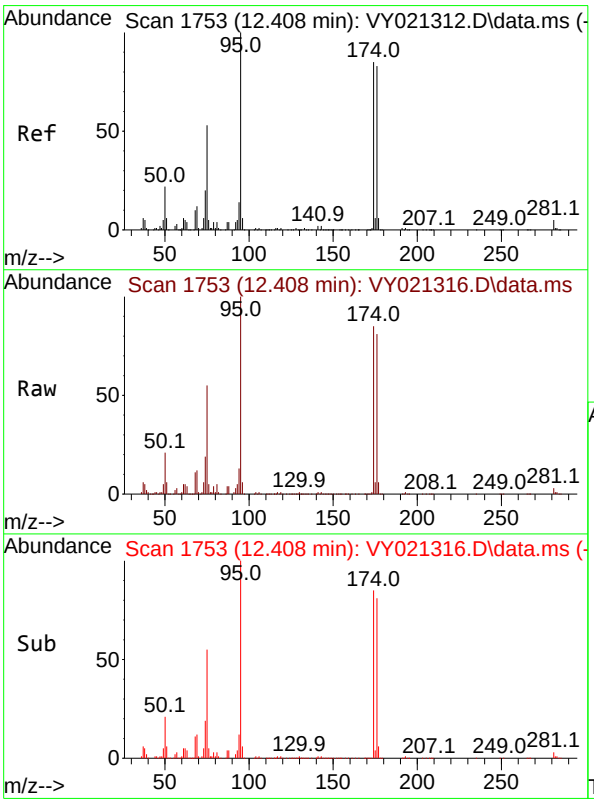
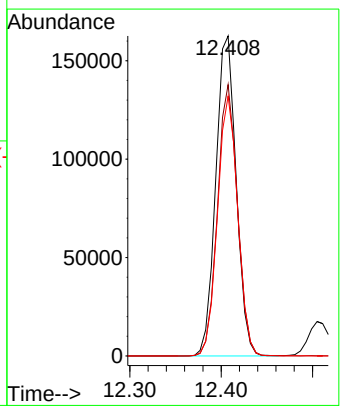
Supervised By :Mahesh Dadoda 02/26/2025

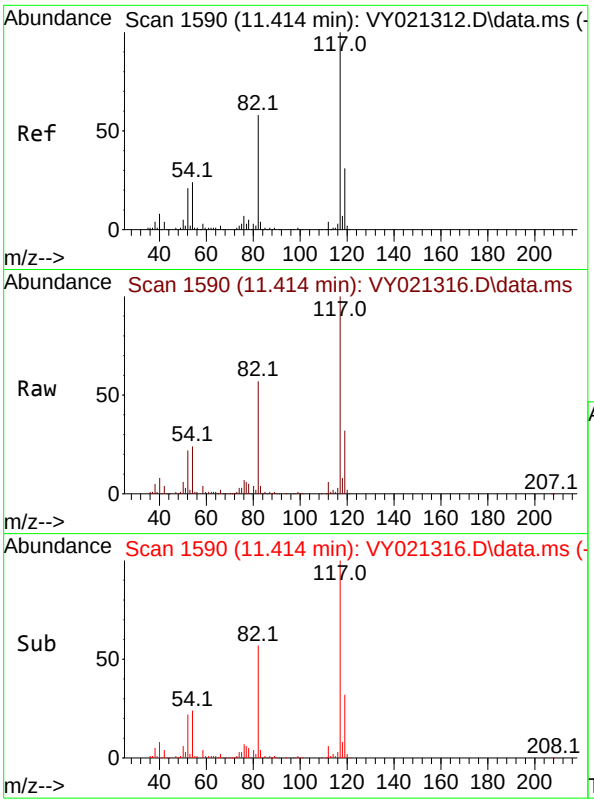


#62
4-Bromofluorobenzene
Concen: 98.477 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 95 Resp: 252327

Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	168.0
176	80.5	0.0	162.6

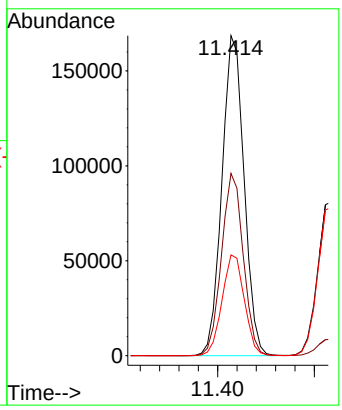




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 26715

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.2	69.4
119	31.5	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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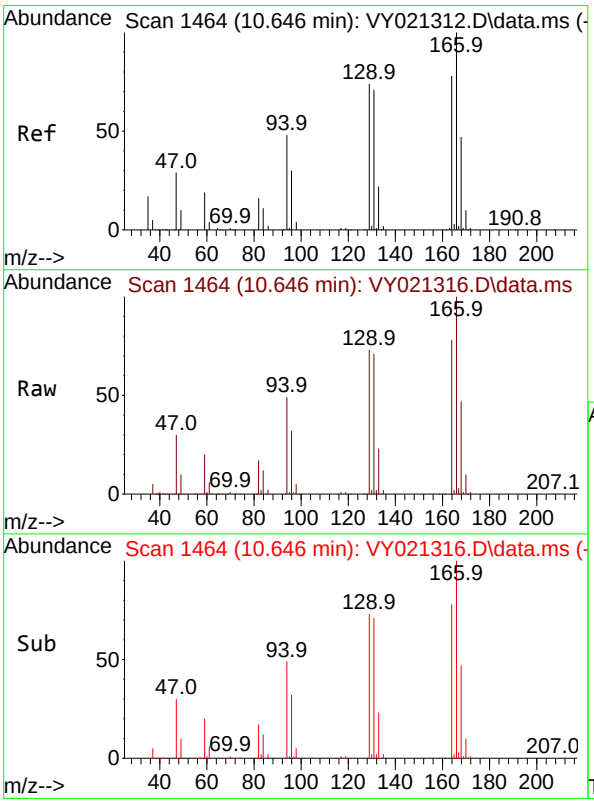
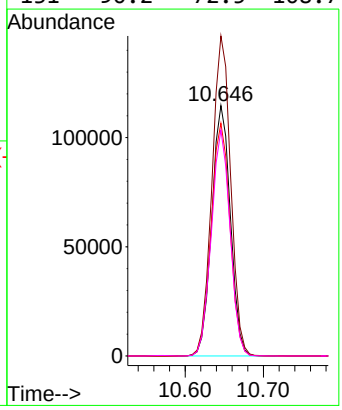
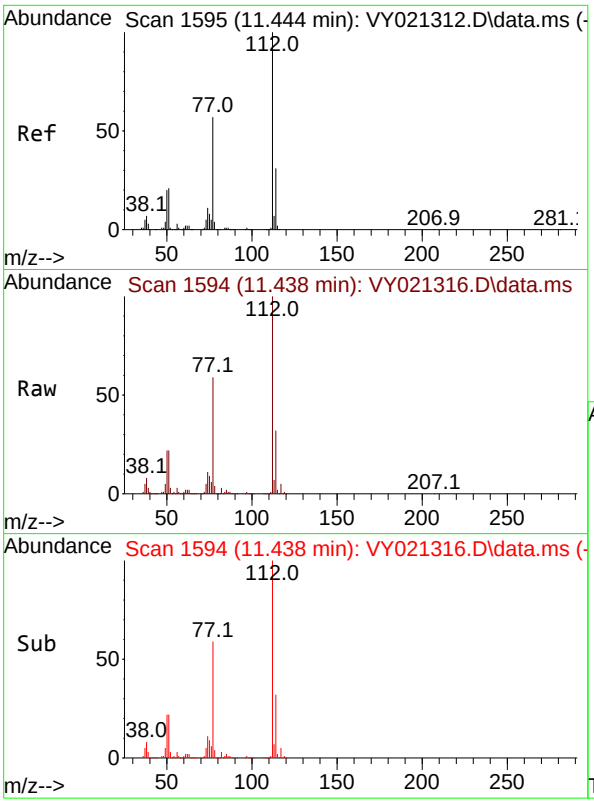


#64
Tetrachloroethene
Concen: 93.936 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:164 Resp: 189679

Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.9	152.9
129	92.9	75.5	113.3
131	90.2	72.5	108.7

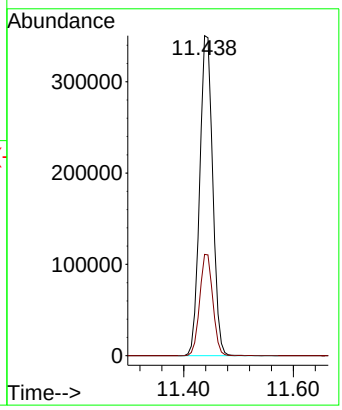




#65
Chlorobenzene
Concen: 96.070 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:112 Resp: 57610

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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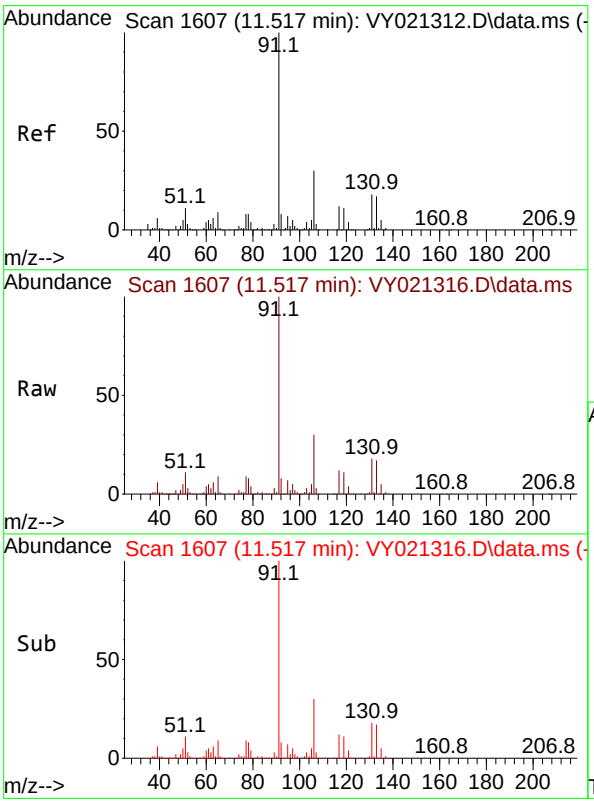
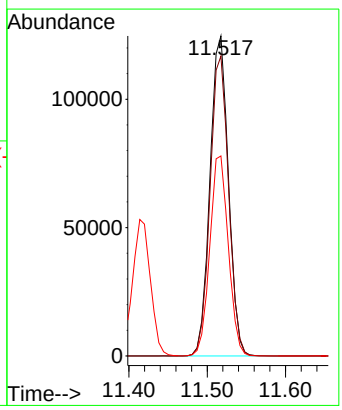
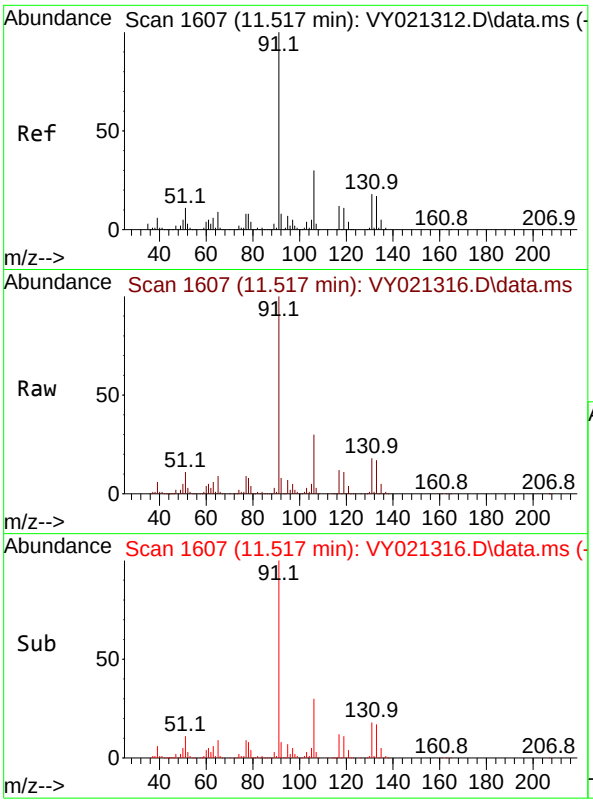


#66
1,1,1,2-Tetrachloroethane
Concen: 97.007 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:131 Resp: 203696

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.6
119	62.8	31.7	95.1

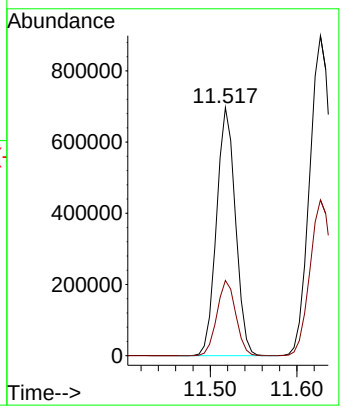




#67
Ethyl Benzene
Concen: 99.522 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 105712

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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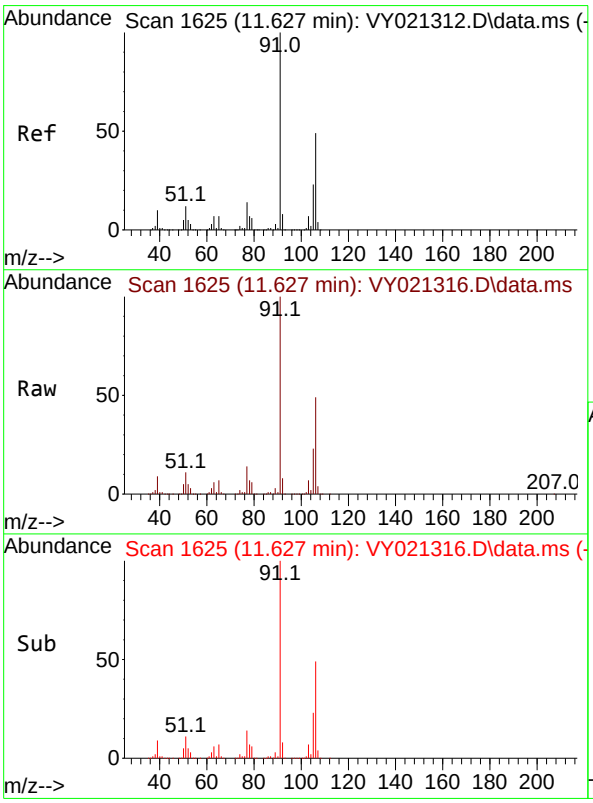
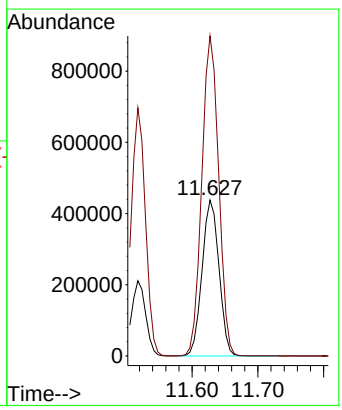
Supervised By :Mahesh Dadoda 02/26/2025

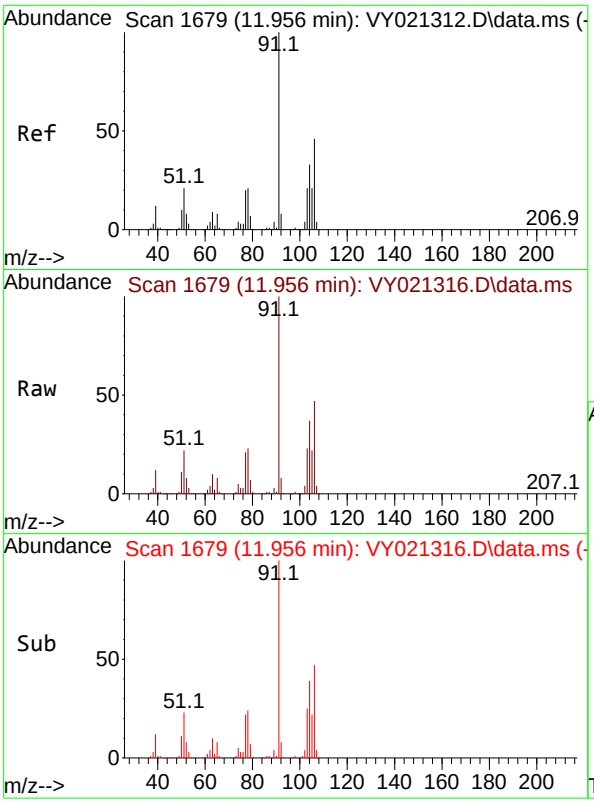


#68
m/p-Xylenes
Concen: 195.986 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:106 Resp: 783034

Ion	Ratio	Lower	Upper
106	100		
91	204.9	163.9	245.9





#69
o-Xylene
Concen: 99.112 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:106 Resp: 37096

Ion	Ratio	Lower	Upper
106	100		
91	216.3	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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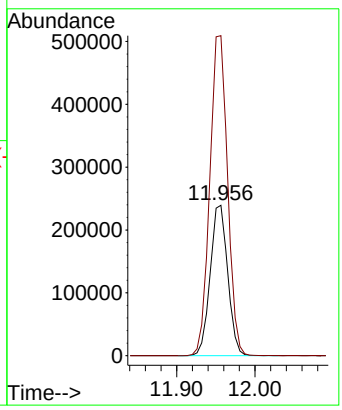
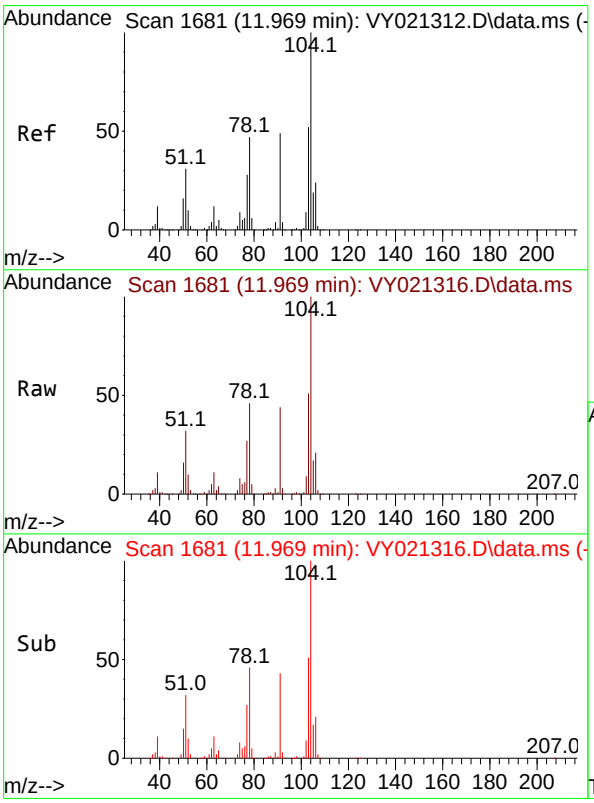
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

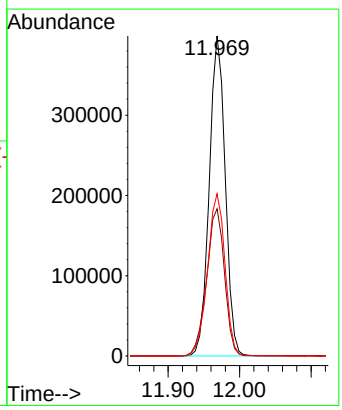


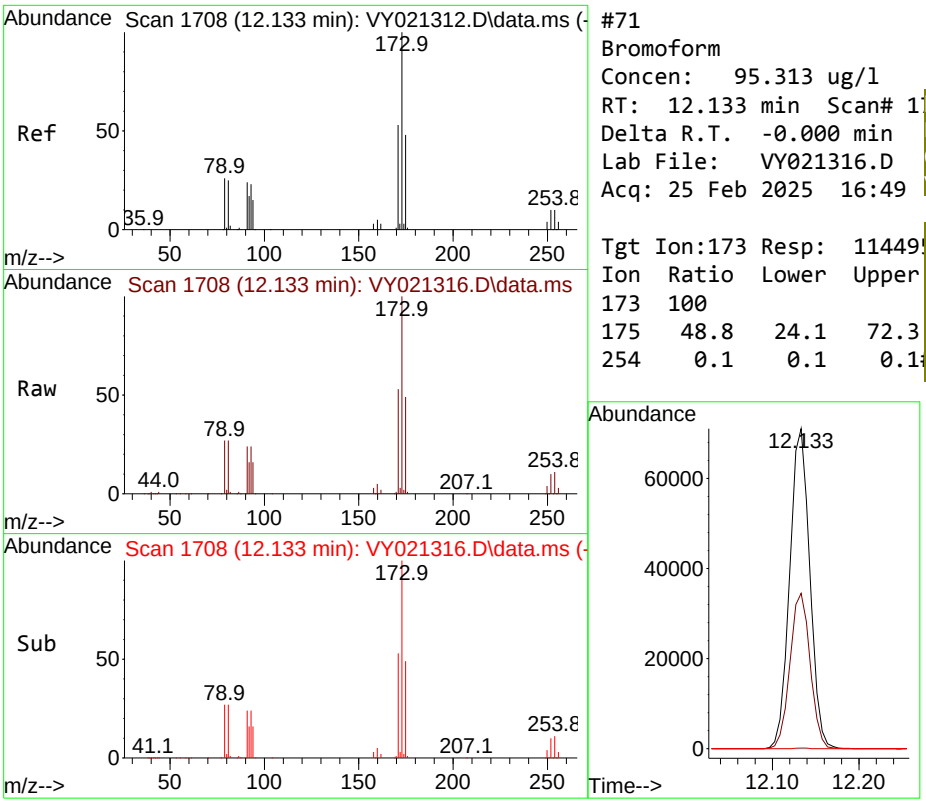


#70
Styrene
Concen: 99.469 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:104 Resp: 619437

Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.3	61.9
103	55.4	43.9	65.9





#71
Bromoform
Concen: 95.313 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:173 Resp: 11449

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.1	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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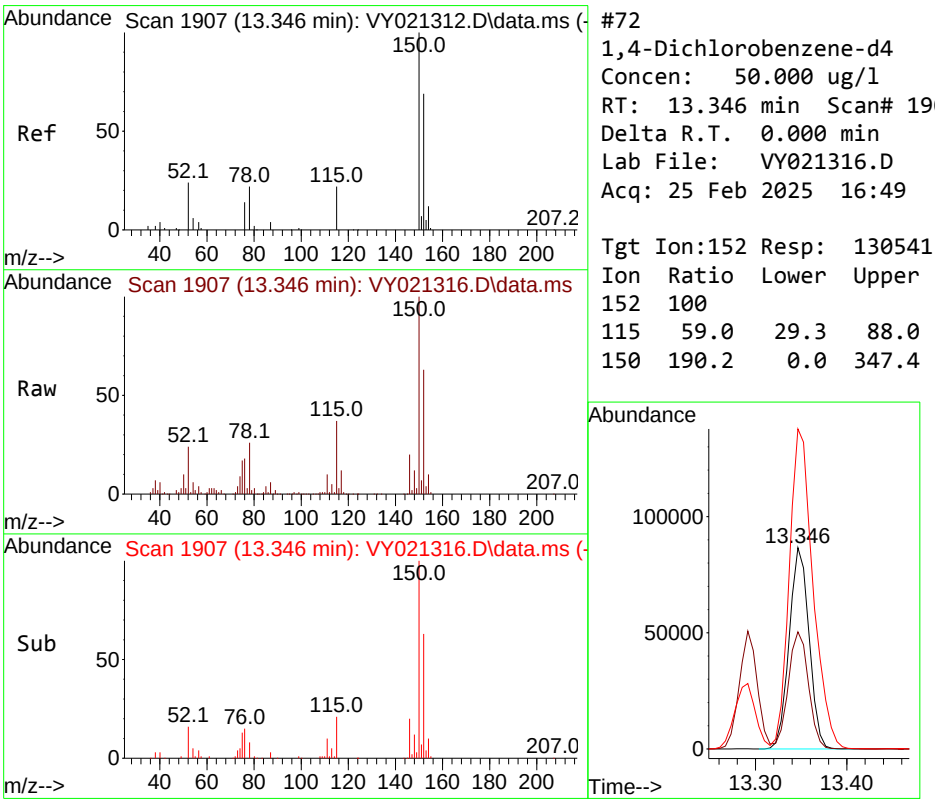
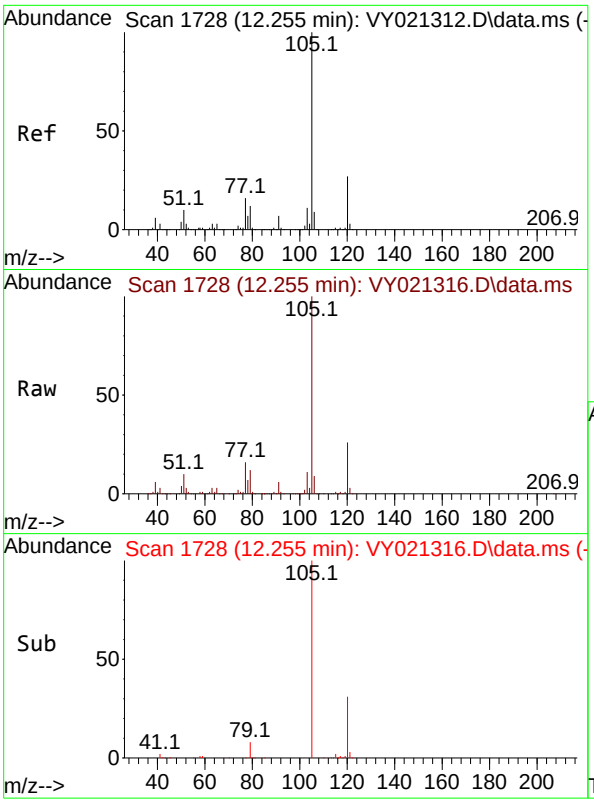
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:152 Resp: 130541

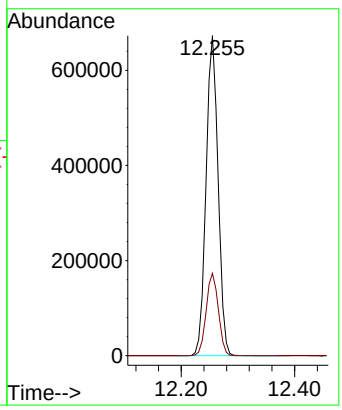
Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	190.2	0.0	347.4



#73
Isopropylbenzene
Concen: 100.648 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 98775

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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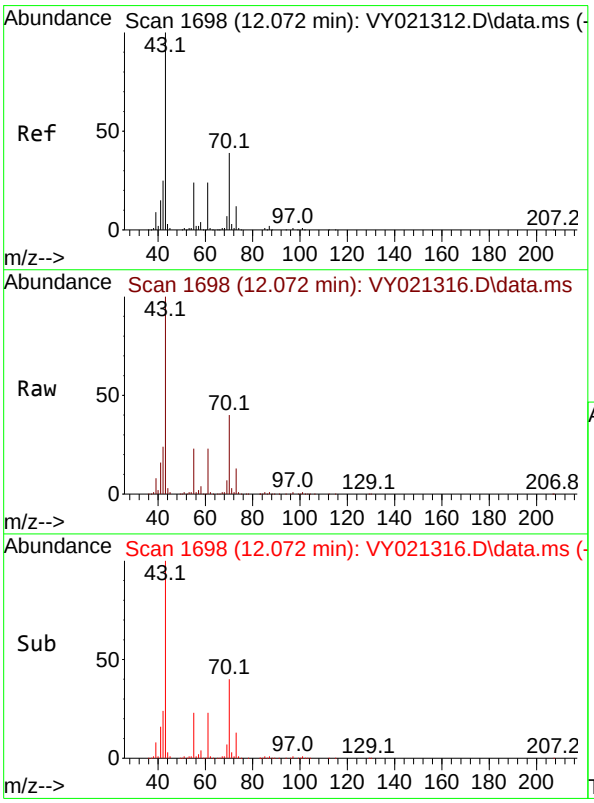
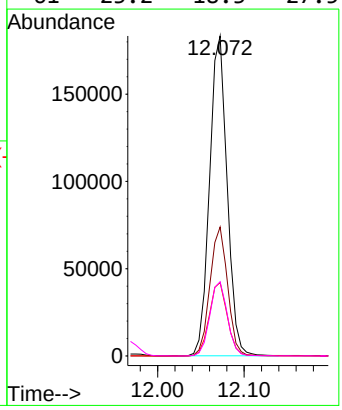
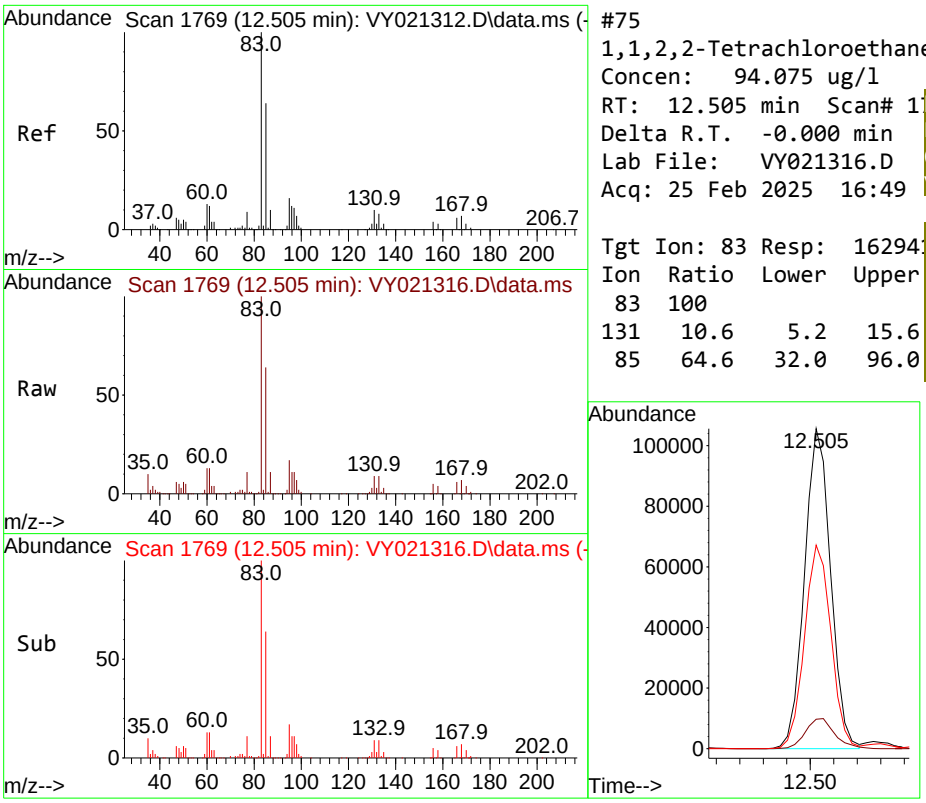


#74
N-amyl acetate
Concen: 103.658 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 258576

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.2	48.2
55	23.8	19.6	29.4
61	23.2	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 94.075 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 16294

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	64.6	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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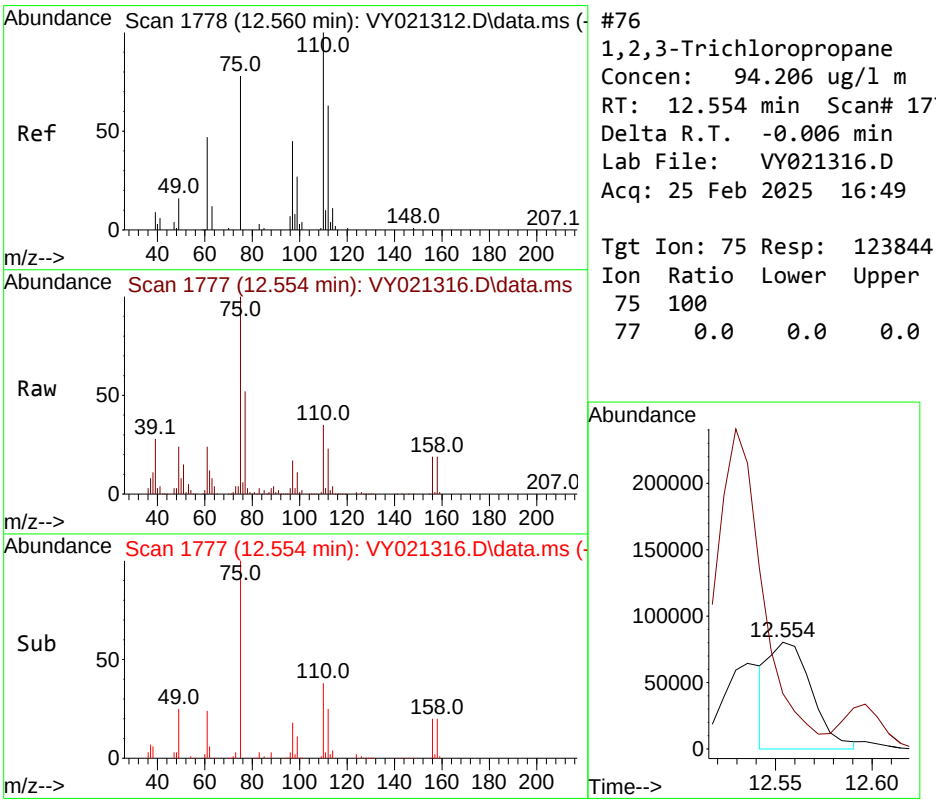
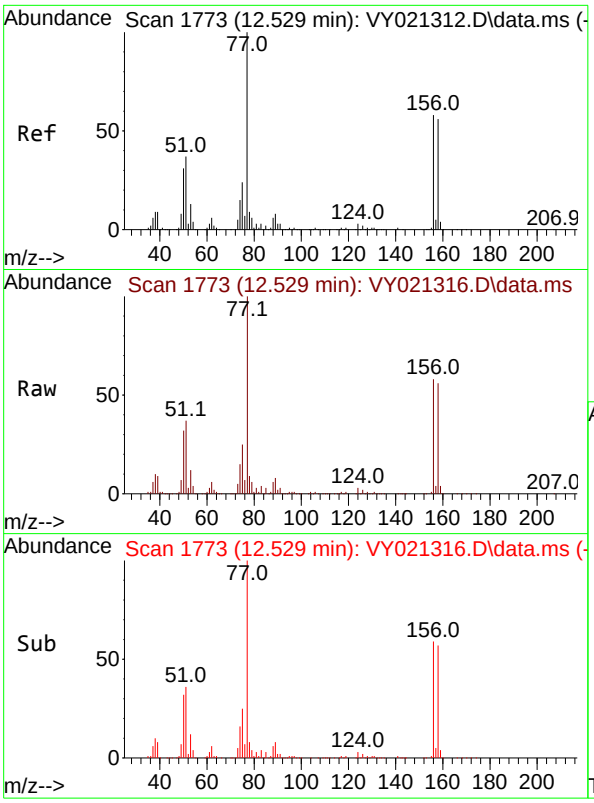


#76
1,2,3-Trichloropropane
Concen: 94.206 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 123844

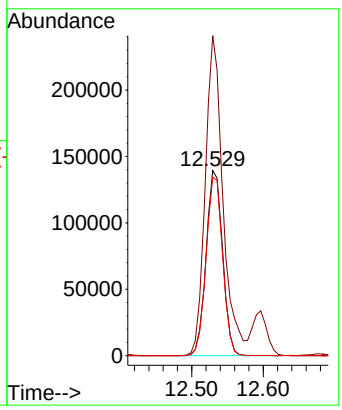
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 97.728 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:156 Resp: 22308

Ion	Ratio	Lower	Upper
156	100		
77	184.2	94.0	282.1
158	96.9	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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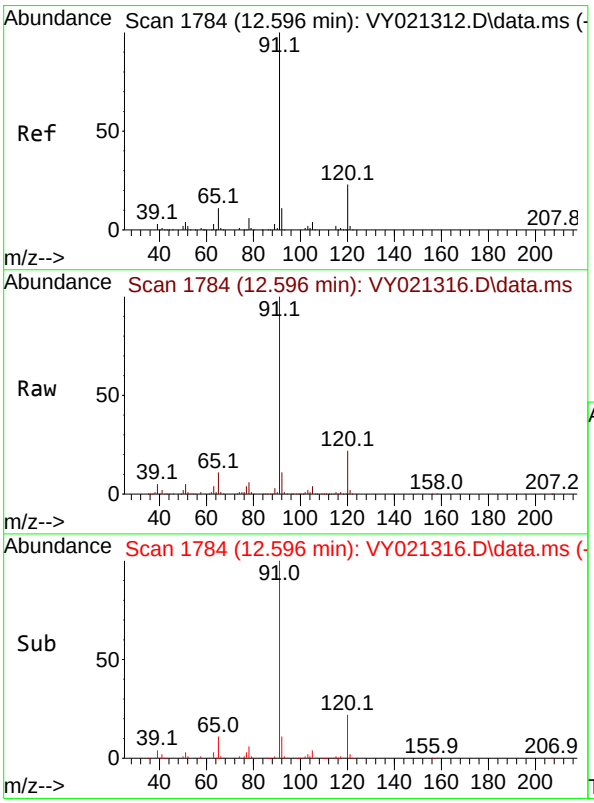
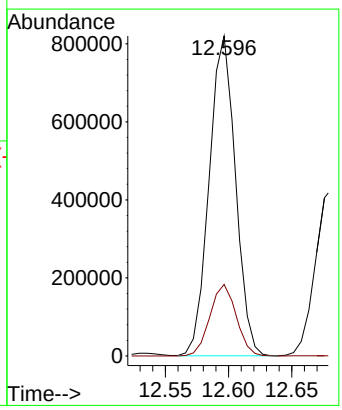
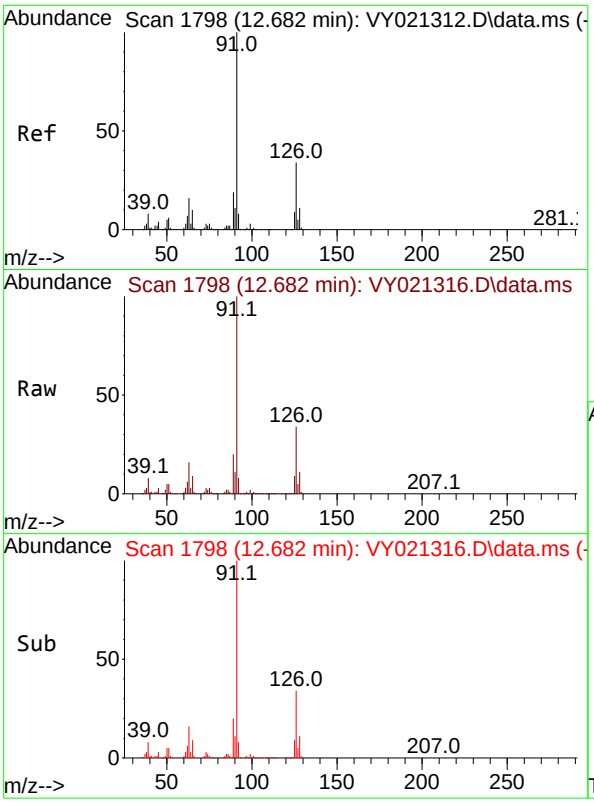


#78
n-propylbenzene
Concen: 99.651 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 1186751

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5

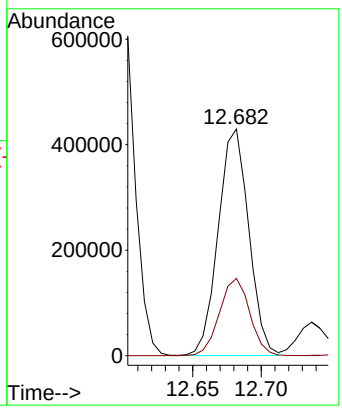




#79
2-Chlorotoluene
Concen: 97.455 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 66607

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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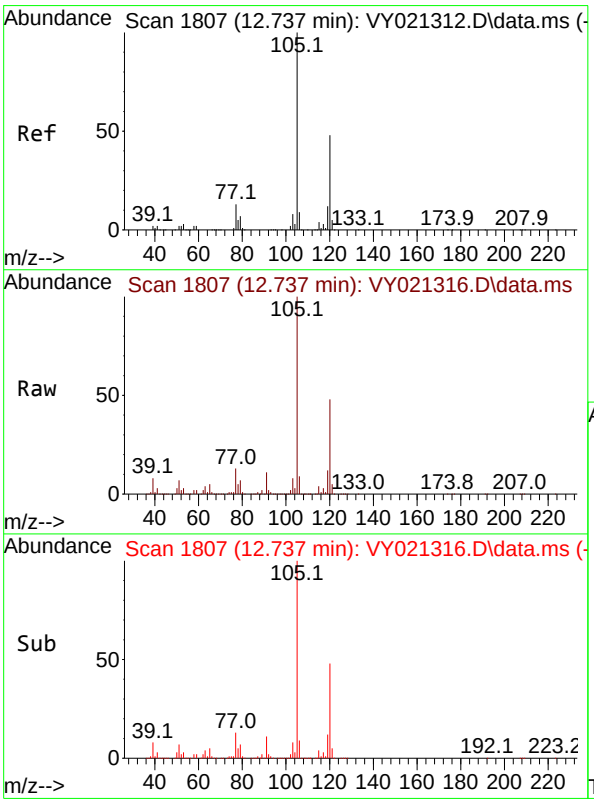
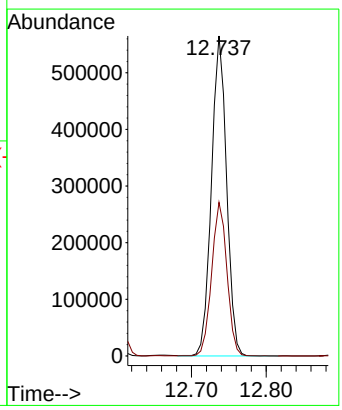
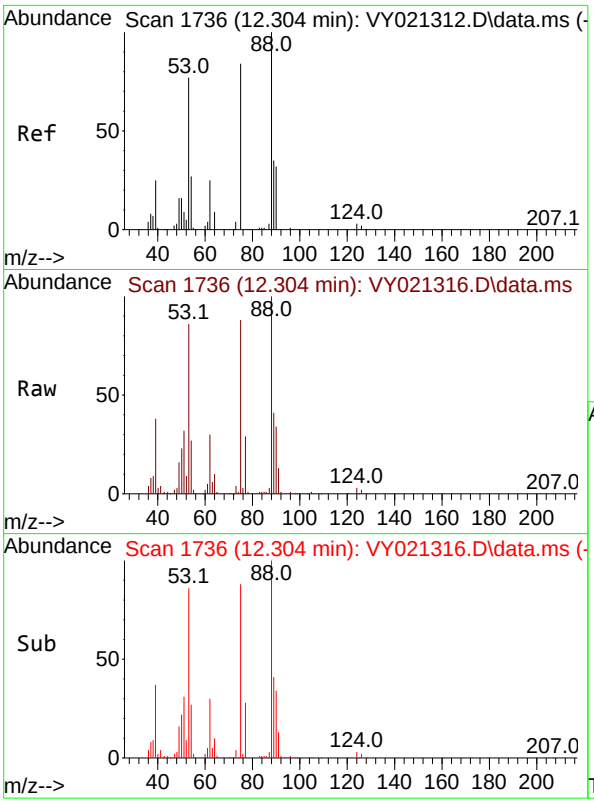


#80
1,3,5-Trimethylbenzene
Concen: 98.676 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 794247

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 100.031 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 5880

Ion	Ratio	Lower	Upper
75	100		
53	99.2	79.1	118.7
89	46.7	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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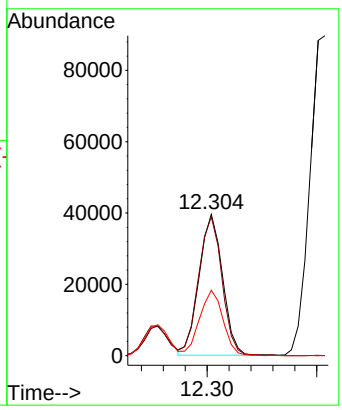
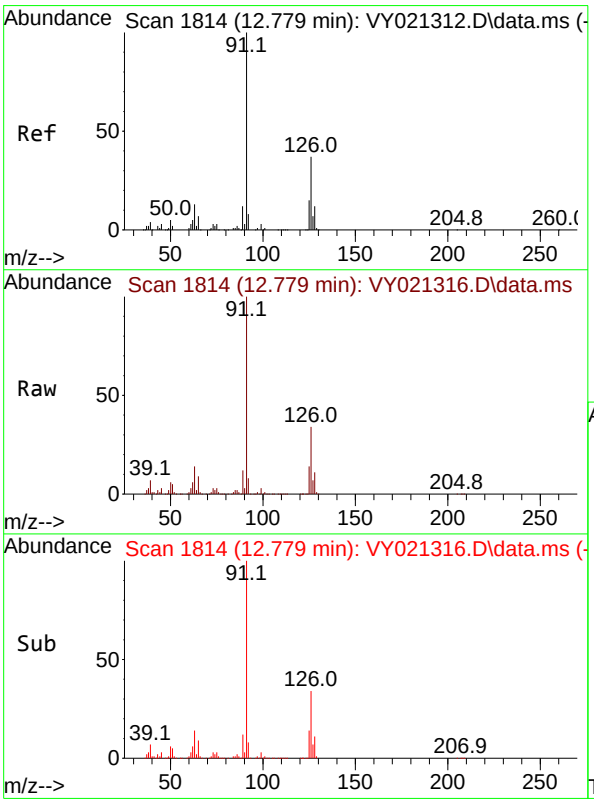
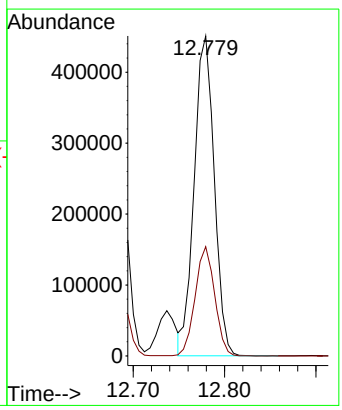


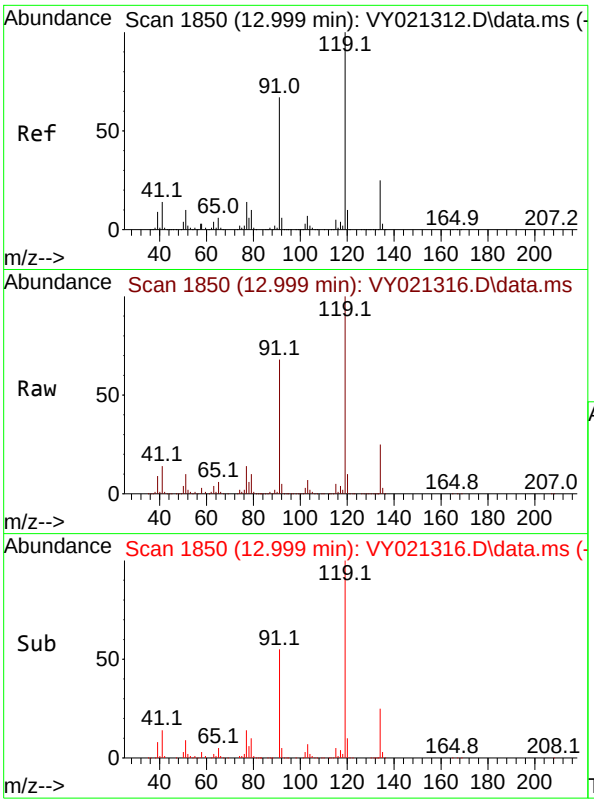


#82
4-Chlorotoluene
Concen: 97.022 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 687385

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4

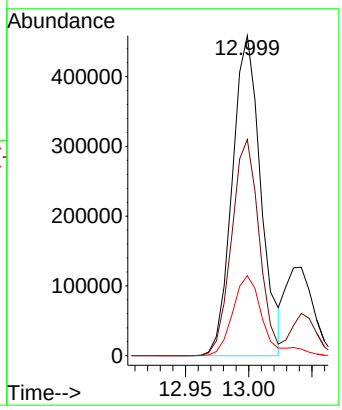




#83
tert-Butylbenzene
Concen: 99.092 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:119 Resp: 72048

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.7	98.1
134	26.5	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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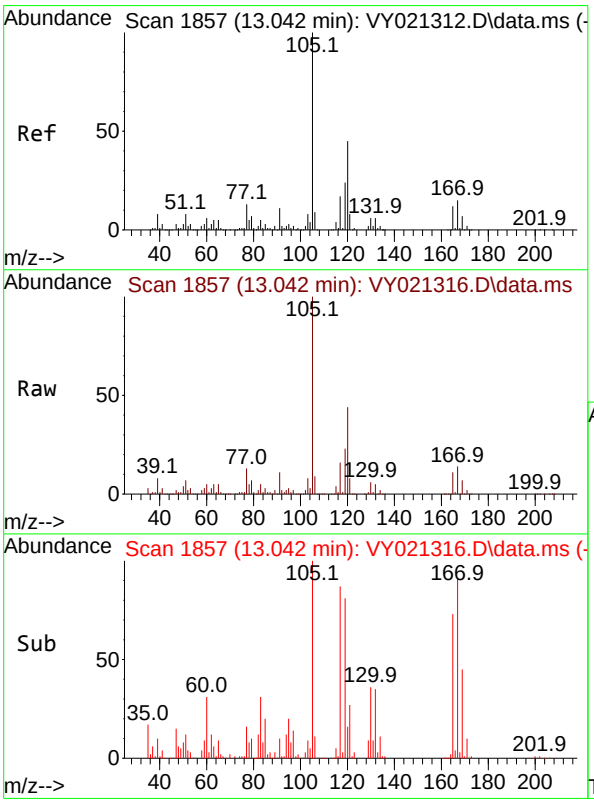
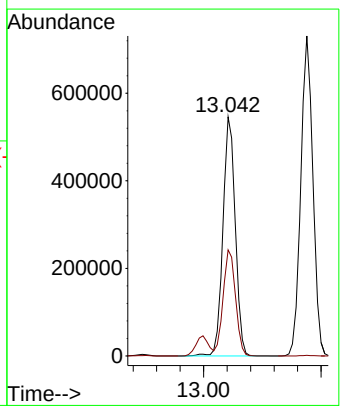
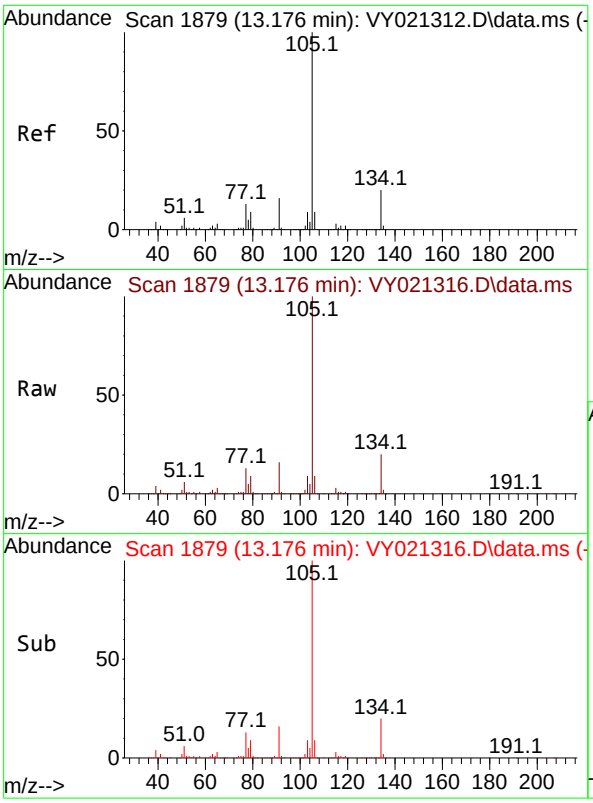


#84
1,2,4-Trimethylbenzene
Concen: 99.415 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 795840

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3

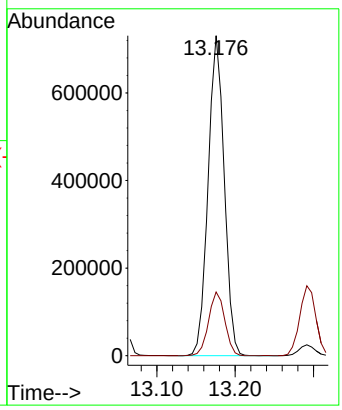




#85
sec-Butylbenzene
Concen: 98.021 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 104102

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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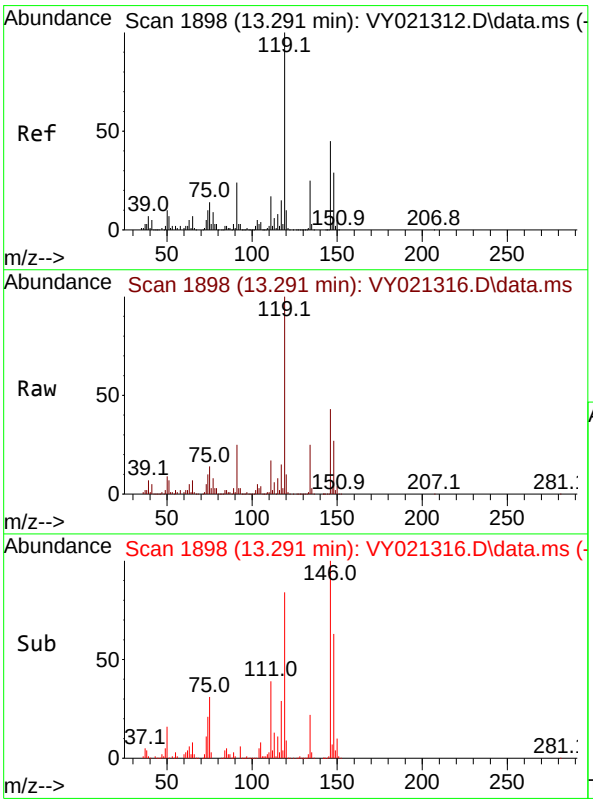
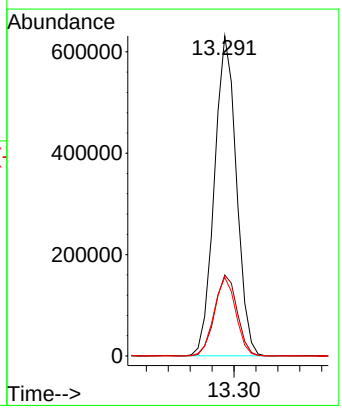
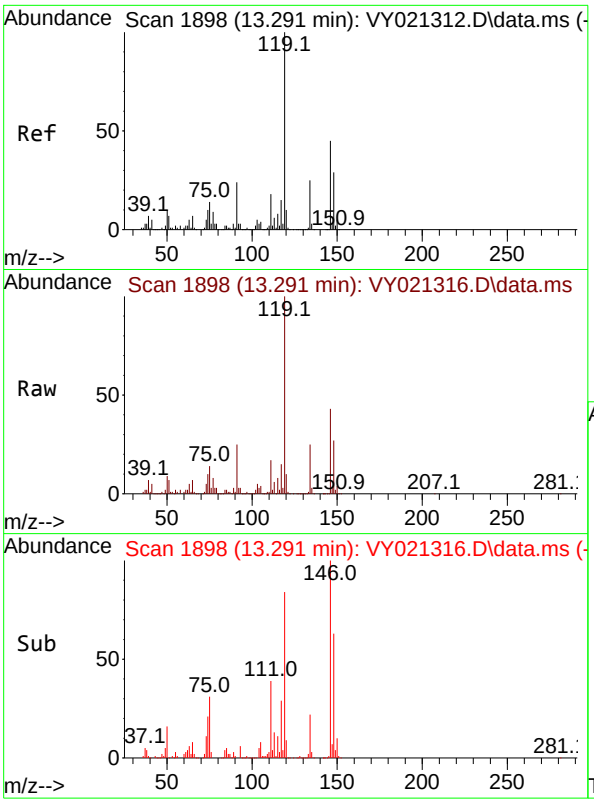


#86
p-Isopropyltoluene
Concen: 99.431 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:119 Resp: 881757

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.3	12.0	36.1

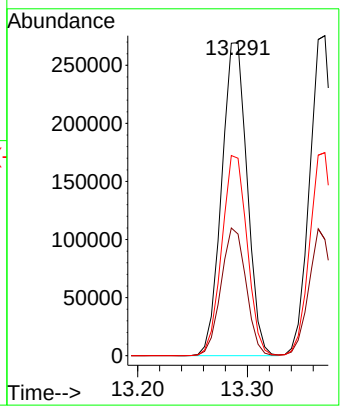




#87
1,3-Dichlorobenzene
Concen: 96.445 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 43548

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.6	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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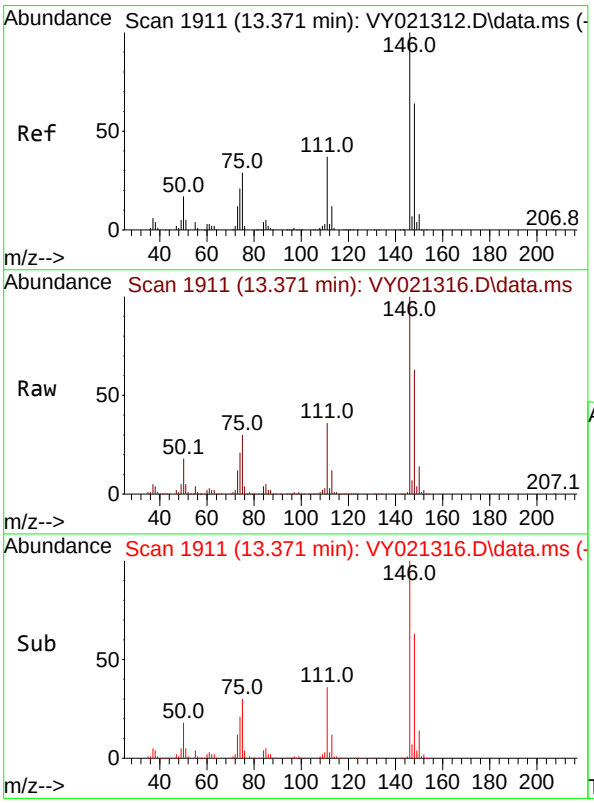
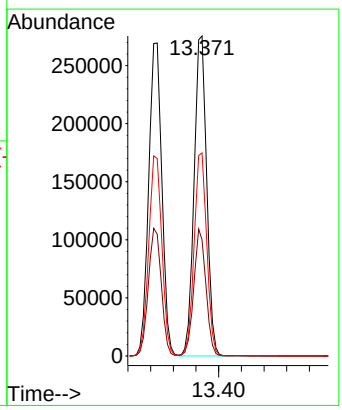
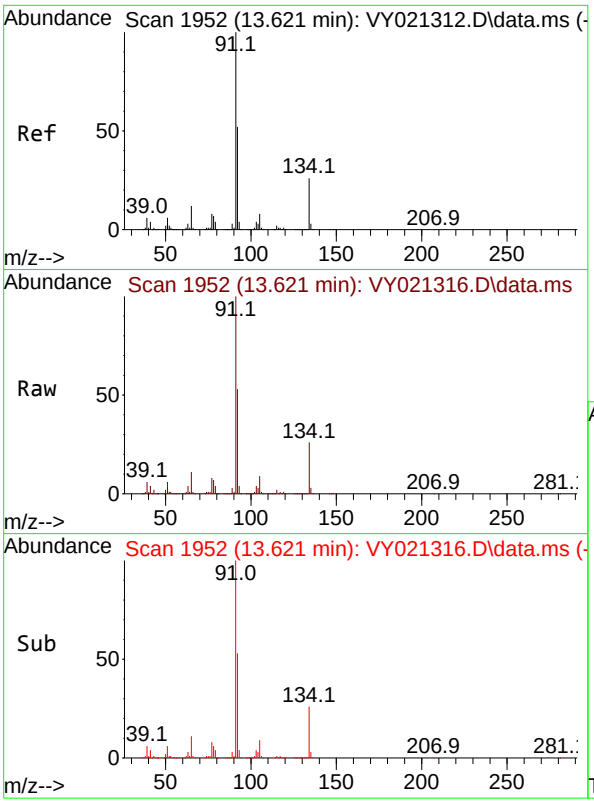


#88
1,4-Dichlorobenzene
Concen: 95.343 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 425301

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	63.7	32.0	96.2

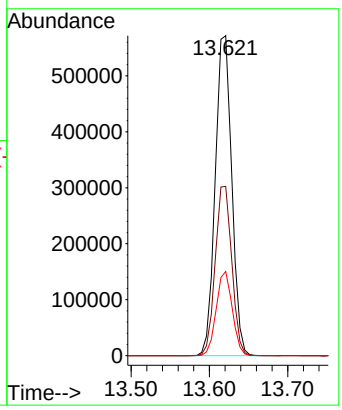




#89
n-Butylbenzene
Concen: 100.683 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 84023

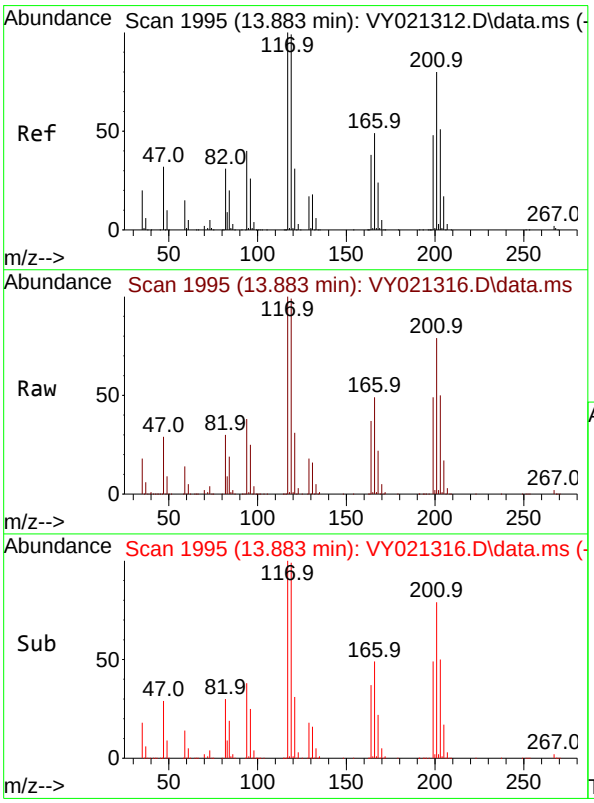
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	25.5	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

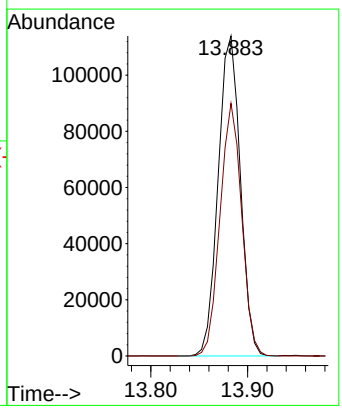
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

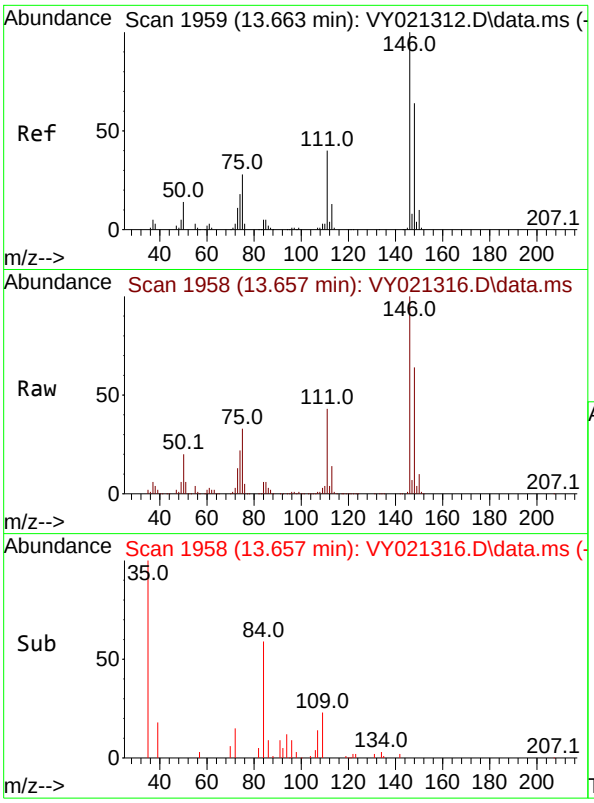


#90
Hexachloroethane
Concen: 97.720 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 181015

Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.4	115.2

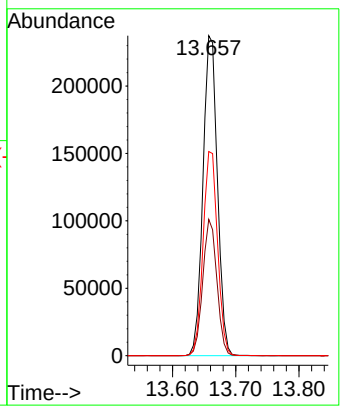




#91
1,2-Dichlorobenzene
Concen: 95.410 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 37745

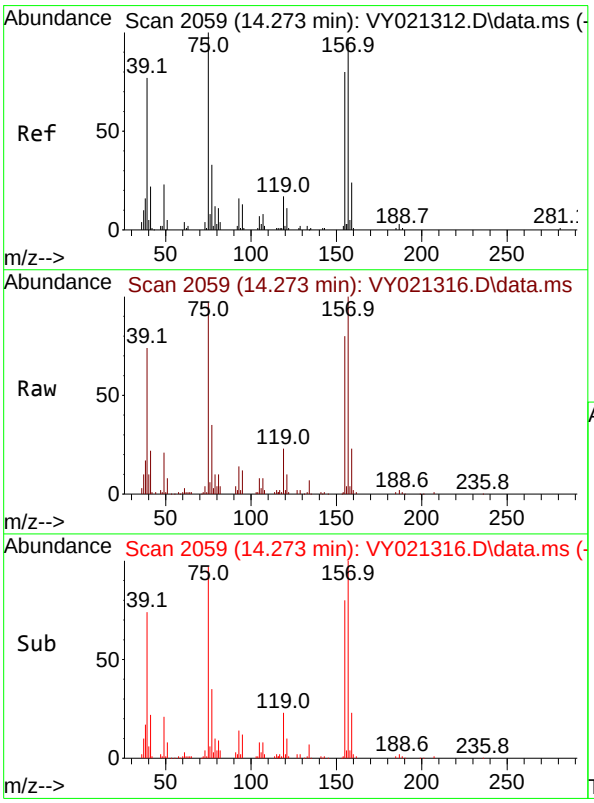
Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	64.1	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

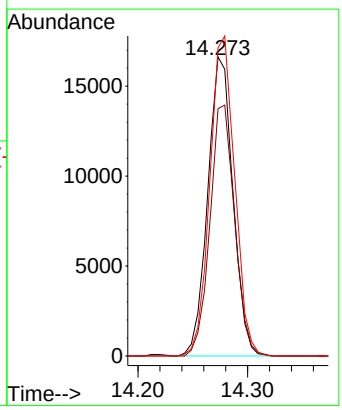
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

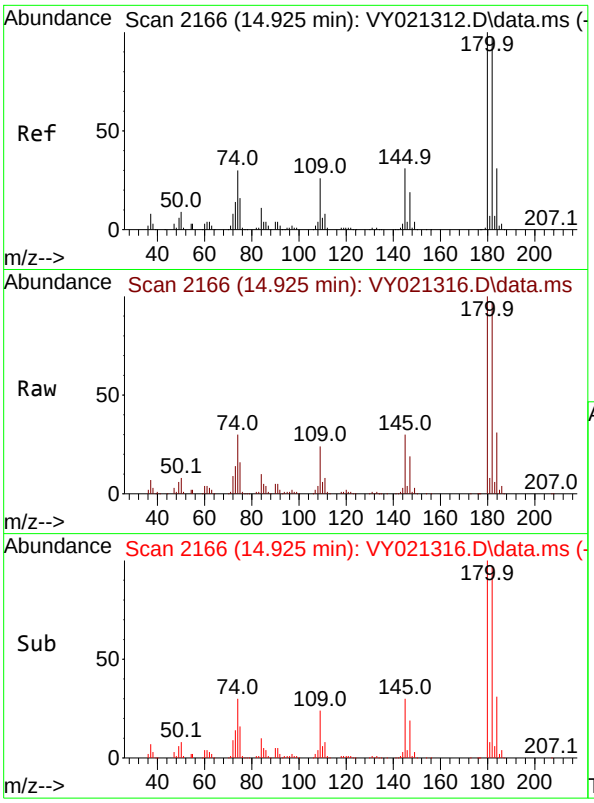


#92
1,2-Dibromo-3-Chloropropane
Concen: 96.867 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 26541

Ion	Ratio	Lower	Upper
75	100		
155	82.1	41.9	125.6
157	105.5	52.5	157.6

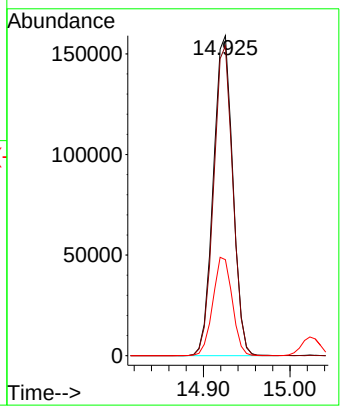




#93
1,2,4-Trichlorobenzene
Concen: 102.770 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:180 Resp: 24814

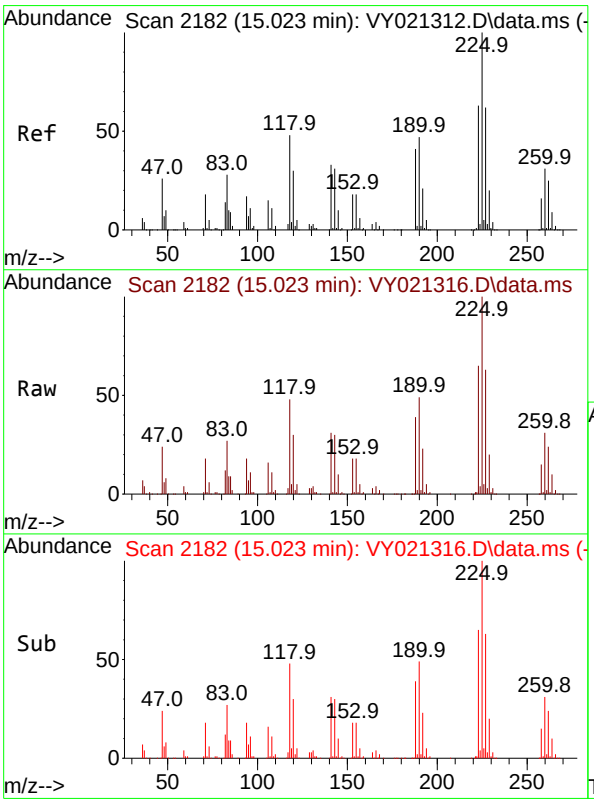
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	30.6	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

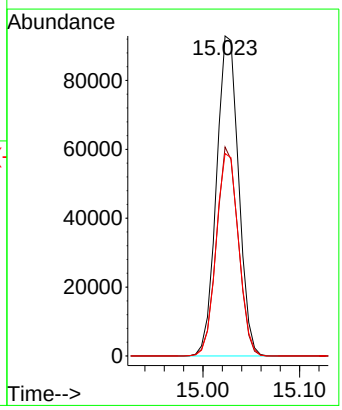
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

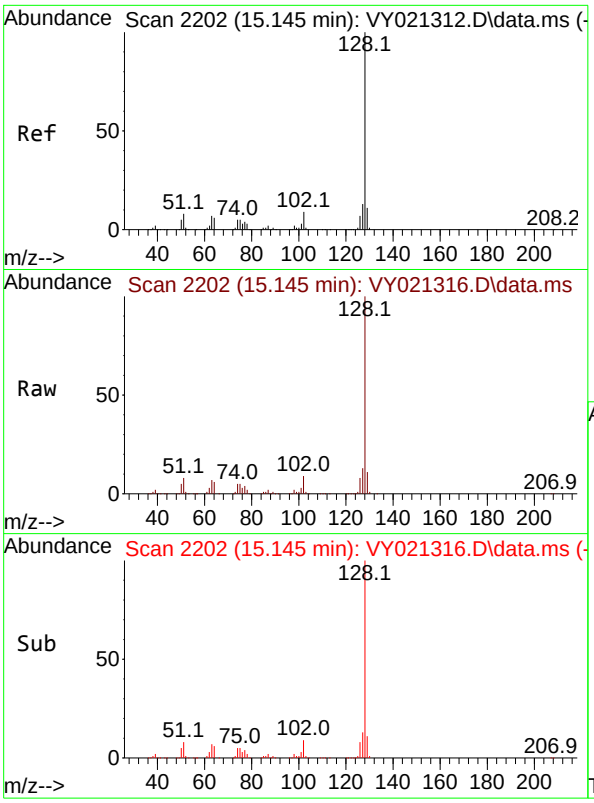


#94
Hexachlorobutadiene
Concen: 96.770 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:225 Resp: 147103

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.8	95.4
227	64.4	31.9	95.7

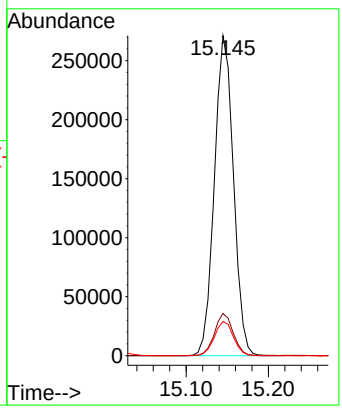




#95
Naphthalene
Concen: 109.220 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:128 Resp: 43681

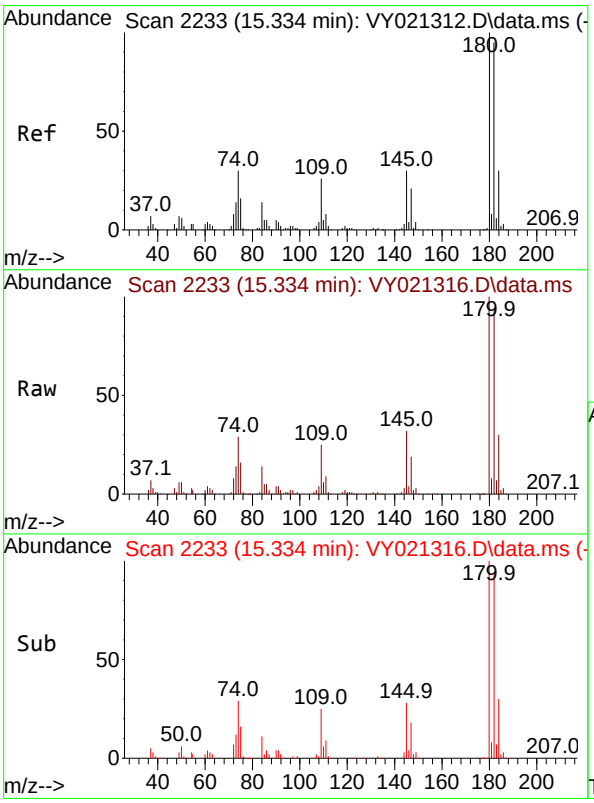
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

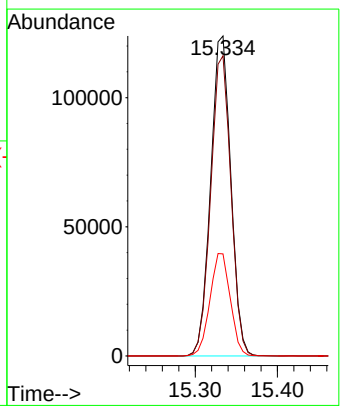
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 103.581 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:180 Resp: 211313

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.3	144.9
145	32.3	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	183832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	292214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	257123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98960	47.453	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.900%			
35) Dibromofluoromethane	7.634	113	93944	49.037	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.080%			
50) Toluene-d8	10.109	98	360528	48.694	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.380%			
62) 4-Bromofluorobenzene	12.408	95	120972	48.549	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	93894	53.871	ug/l	98
3) Chloromethane	2.068	50	120479	53.523	ug/l	100
4) Vinyl Chloride	2.202	62	121922	55.184	ug/l	98
5) Bromomethane	2.598	94	77054	52.483	ug/l	100
6) Chloroethane	2.732	64	75086	54.804	ug/l	99
7) Trichlorofluoromethane	3.062	101	178123	53.384	ug/l	94
8) Diethyl Ether	3.458	74	54929	54.849	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	104678	54.188	ug/l	98
10) Methyl Iodide	4.007	142	124707	61.361	ug/l	100
11) Tert butyl alcohol	4.848	59	35572	221.762	ug/l	100
12) 1,1-Dichloroethene	3.793	96	100075	54.104	ug/l	98
13) Acrolein	3.653	56	6337	51.554	ug/l	95
14) Allyl chloride	4.385	41	181554	55.361	ug/l	99
15) Acrylonitrile	5.055	53	118343	267.274	ug/l	99
16) Acetone	3.866	43	90886	227.197	ug/l	99
17) Carbon Disulfide	4.104	76	335241	54.581	ug/l	100
18) Methyl Acetate	4.385	43	51200	52.372	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	265419	54.311	ug/l	97
20) Methylene Chloride	4.616	84	110456	51.062	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	112082	55.044	ug/l	99
22) Diisopropyl ether	6.018	45	377281	55.595	ug/l	99
23) Vinyl Acetate	5.957	43	1116005	275.197	ug/l	100
24) 1,1-Dichloroethane	5.915	63	210383	55.004	ug/l	99
25) 2-Butanone	6.890	43	152895	253.246	ug/l	97
26) 2,2-Dichloropropane	6.884	77	187045	53.893	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	130921	56.305	ug/l	98
28) Bromochloromethane	7.244	49	80309	47.452	ug/l	99
29) Tetrahydrofuran	7.262	42	102673	260.172	ug/l	99
30) Chloroform	7.421	83	213255	55.023	ug/l	98
31) Cyclohexane	7.701	56	191850	52.180	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	194325	55.084	ug/l	98
36) 1,1-Dichloropropene	7.835	75	157102	54.593	ug/l	100
37) Ethyl Acetate	6.982	43	72810	50.864	ug/l	99
38) Carbon Tetrachloride	7.817	117	175208	54.157	ug/l	99
39) Methylcyclohexane	9.109	83	197993	54.397	ug/l	99
40) Benzene	8.079	78	464323	54.583	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	39412	49.244	ug/l		96
42) 1,2-Dichloroethane	8.158	62	129718	53.746	ug/l		100
43) Isopropyl Acetate	8.195	43	145128	52.380	ug/l	#	87
44) Trichloroethene	8.865	130	116988	54.930	ug/l		100
45) 1,2-Dichloropropane	9.140	63	111498	54.464	ug/l		99
46) Dibromomethane	9.231	93	61031	54.539	ug/l		99
47) Bromodichloromethane	9.420	83	162580	54.489	ug/l		98
48) Methyl methacrylate	9.219	41	71360	55.076	ug/l		99
49) 1,4-Dioxane	9.225	88	13103	1053.076	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	372486	262.628	ug/l		100
52) Toluene	10.170	92	294219	55.674	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	152263	55.699	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	178951	55.451	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	77645	53.263	ug/l		98
56) Ethyl methacrylate	10.438	69	112155	55.679	ug/l		99
57) 1,3-Dichloropropane	10.719	76	139257	54.438	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	221395	228.990	ug/l		100
59) 2-Hexanone	10.761	43	246032	264.133	ug/l		99
60) Dibromochloromethane	10.914	129	107866	54.329	ug/l		100
61) 1,2-Dibromoethane	11.018	107	74447	53.942	ug/l		98
64) Tetrachloroethene	10.646	164	102887	52.940	ug/l		95
65) Chlorobenzene	11.444	112	314040	54.410	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	110179	54.517	ug/l		99
67) Ethyl Benzene	11.517	91	572425	55.992	ug/l		99
68) m/p-Xylenes	11.627	106	427892	111.274	ug/l		99
69) o-Xylene	11.956	106	202123	56.108	ug/l		99
70) Styrene	11.969	104	337489	56.307	ug/l		99
71) Bromoform	12.133	173	61959	53.590	ug/l	#	100
73) Isopropylbenzene	12.255	105	540978	56.974	ug/l		99
74) N-amyl acetate	12.072	43	133968	55.509	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	89240	53.254	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	56345m	44.570	ug/l		
77) Bromobenzene	12.536	156	122121	55.296	ug/l		98
78) n-propylbenzene	12.597	91	654255	56.783	ug/l		100
79) 2-Chlorotoluene	12.682	91	369065	55.813	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	440379	56.549	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	30268	53.216	ug/l		96
82) 4-Chlorotoluene	12.779	91	375340	54.757	ug/l		100
83) tert-Butylbenzene	12.999	119	393228	55.900	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	438538	56.621	ug/l		100
85) sec-Butylbenzene	13.176	105	571874	55.655	ug/l		99
86) p-Isopropyltoluene	13.292	119	484140	56.427	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	239404	54.800	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	233477	54.098	ug/l		99
89) n-Butylbenzene	13.621	91	459065	56.856	ug/l		100
90) Hexachloroethane	13.883	117	98634	55.035	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	208776	54.545	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13821	52.137	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	132464	56.703	ug/l		99
94) Hexachlorobutadiene	15.029	225	78745	53.541	ug/l		99
95) Naphthalene	15.151	128	222839	57.589	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	112466	56.980	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
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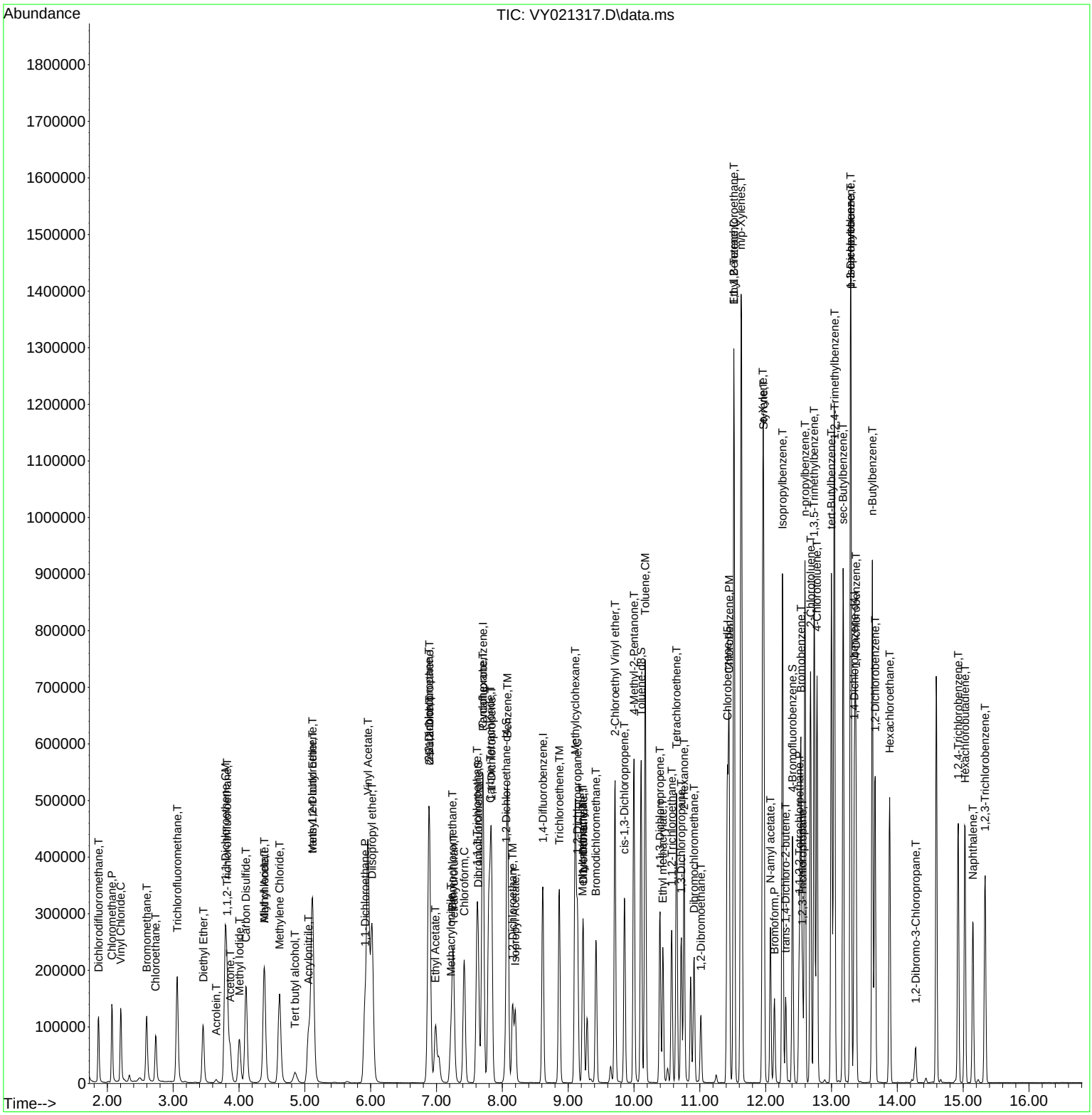
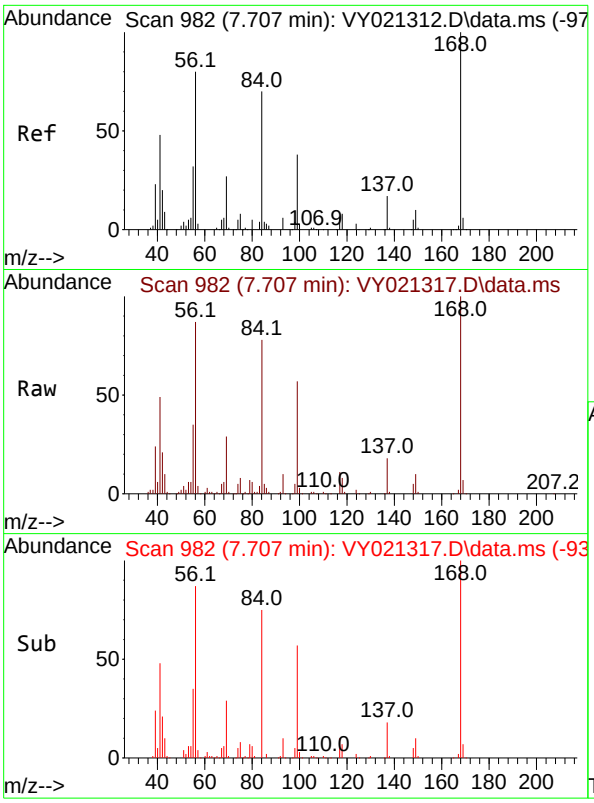
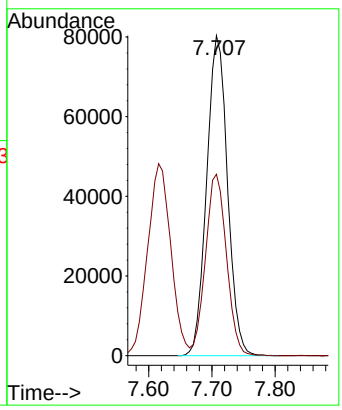




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:168 Resp: 18383

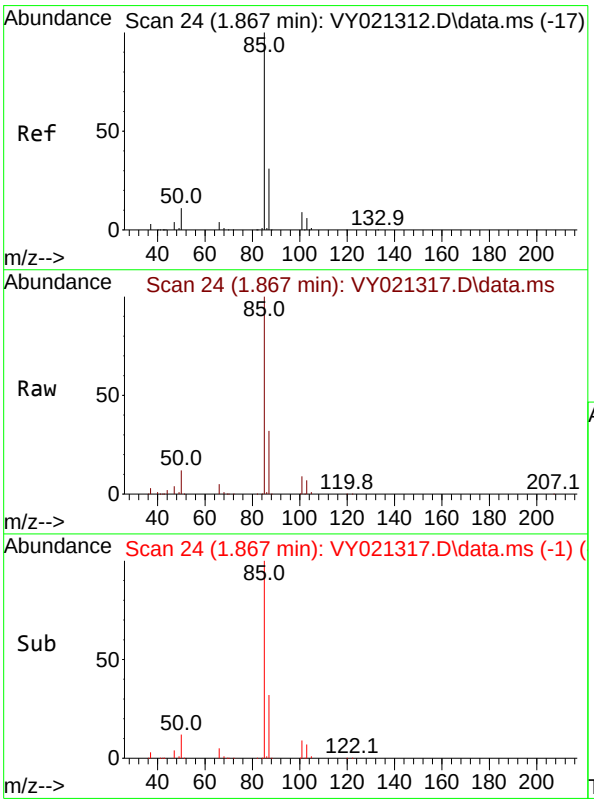
Ion	Ratio	Lower	Upper
168	100		
99	56.7	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations APPROVED

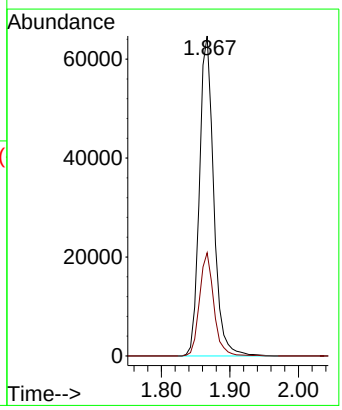
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

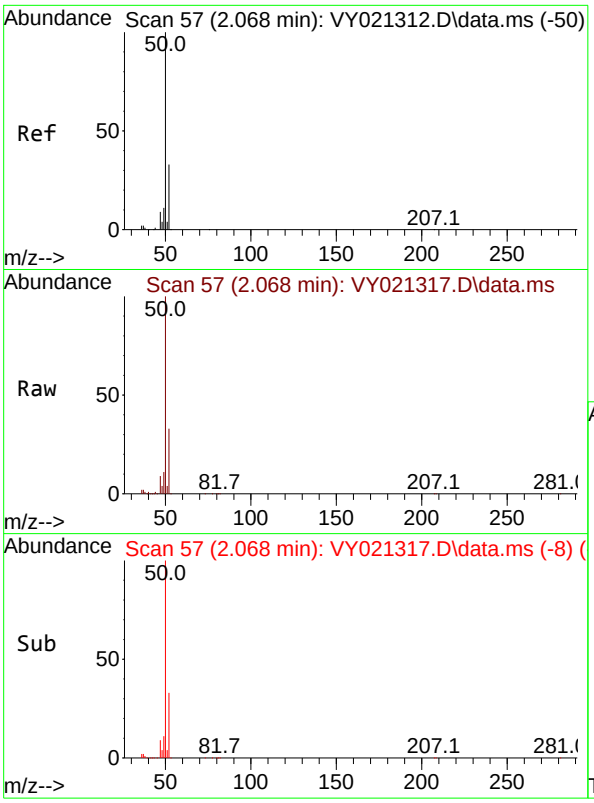


#2
Dichlorodifluoromethane
Concen: 53.871 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 85 Resp: 93894

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.4

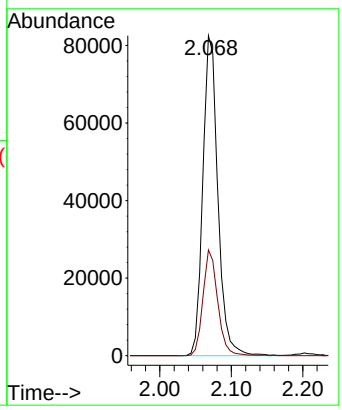




#3
Chloromethane
Concen: 53.523 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 50 Resp: 12047

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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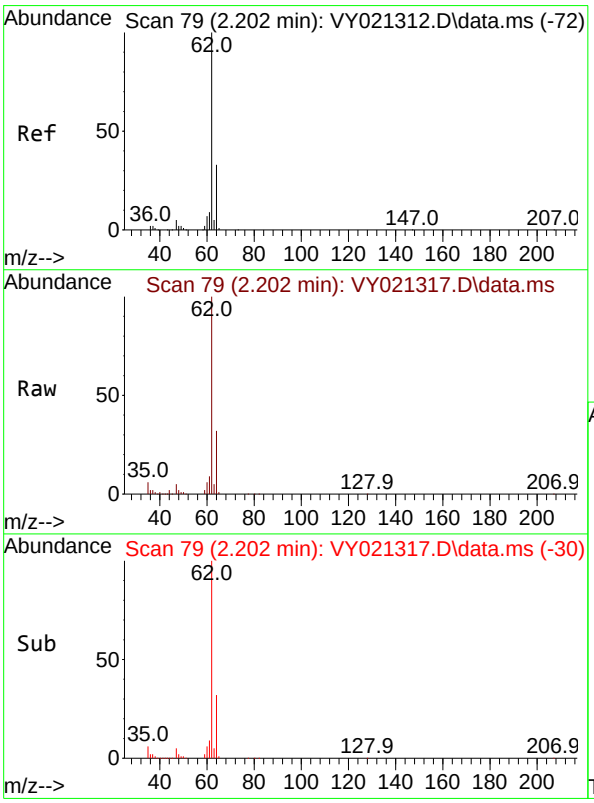
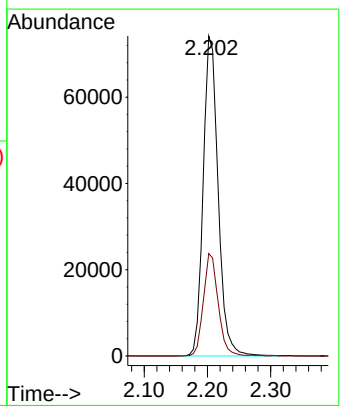
Supervised By :Mahesh Dadoda 02/26/2025

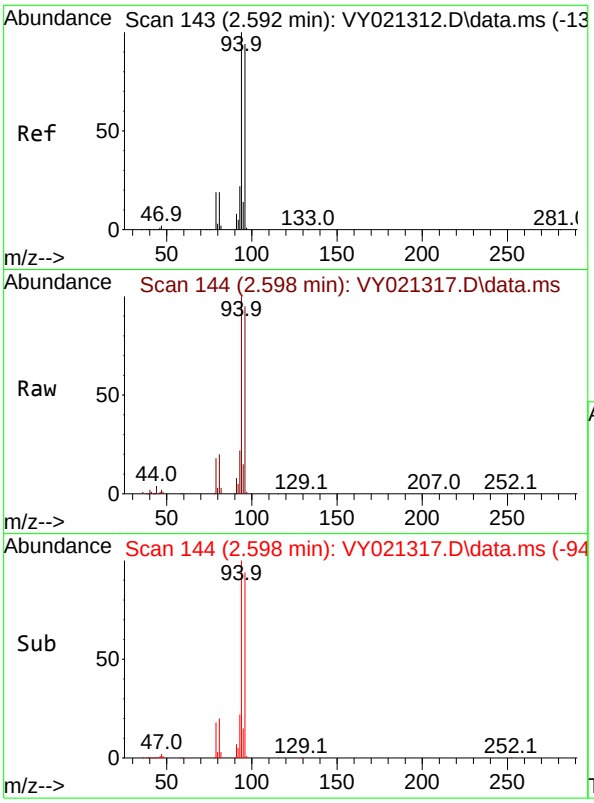


#4
Vinyl Chloride
Concen: 55.184 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 121922

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.3	39.5

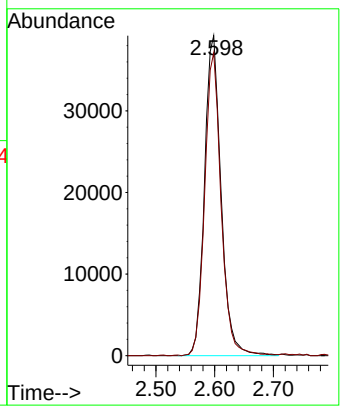




#5
Bromomethane
Concen: 52.483 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 94 Resp: 7705

Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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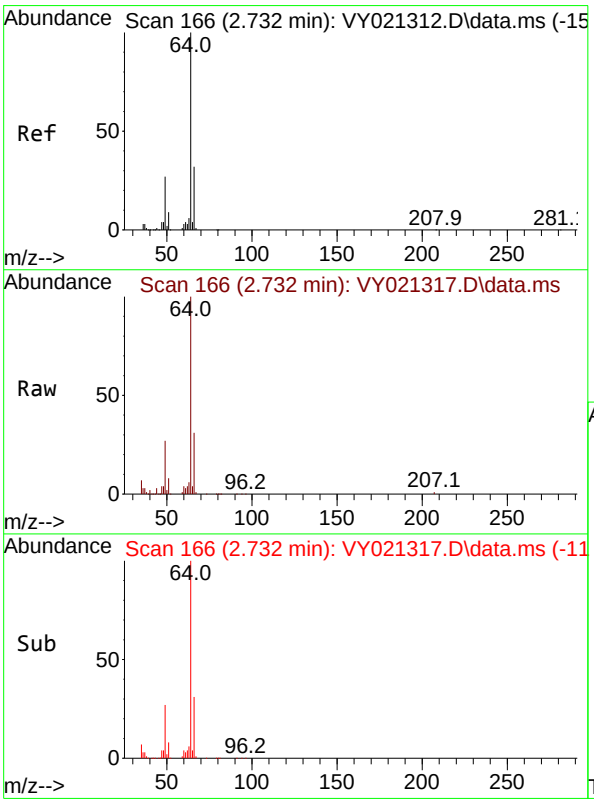
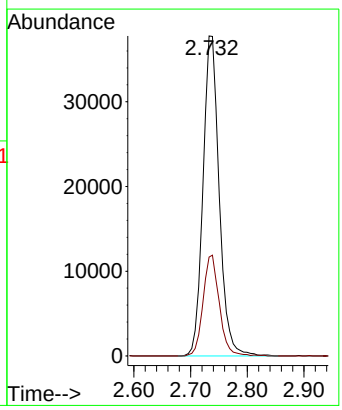
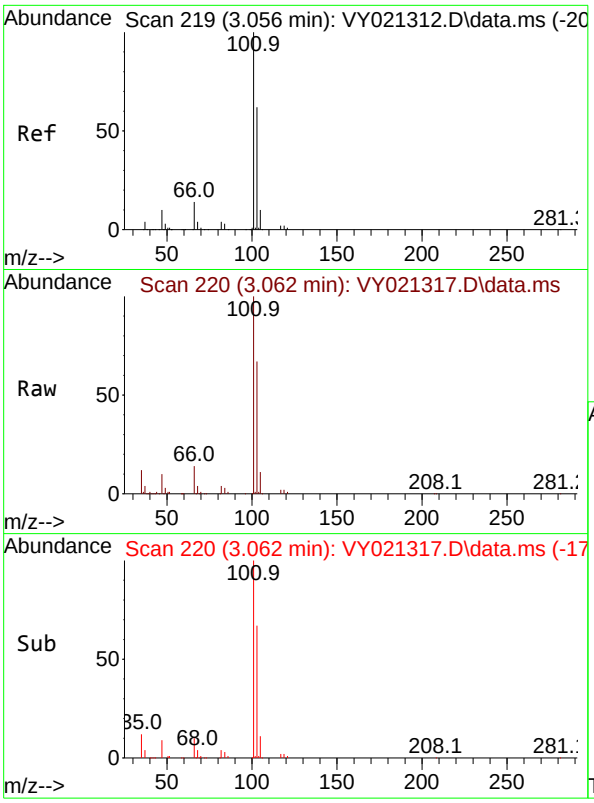


#6
Chloroethane
Concen: 54.804 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 64 Resp: 75086

Ion	Ratio	Lower	Upper
64	100		
66	30.9	25.4	38.0

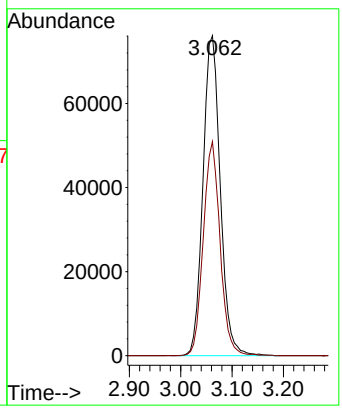




#7
Trichlorofluoromethane
Concen: 53.384 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:101 Resp: 17812

Ion	Ratio	Lower	Upper
101	100		
103	66.9	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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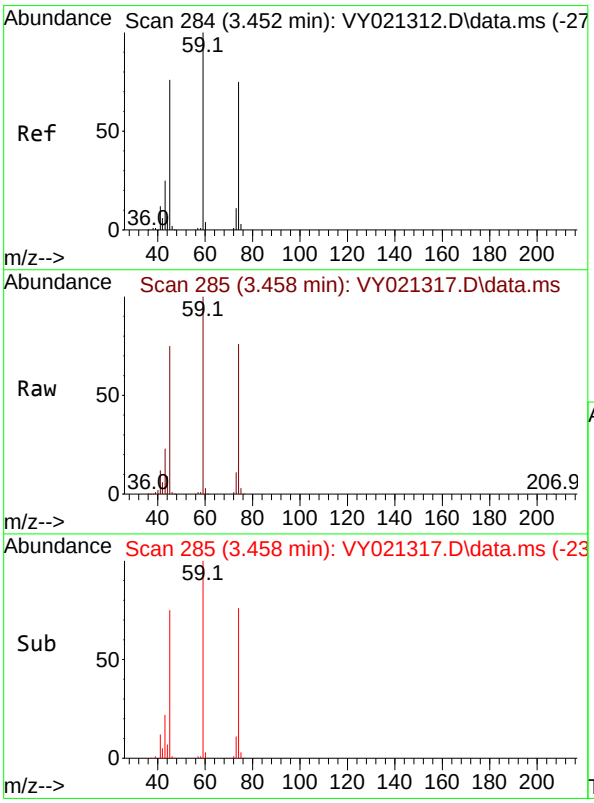
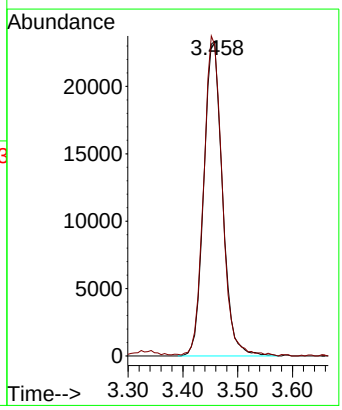
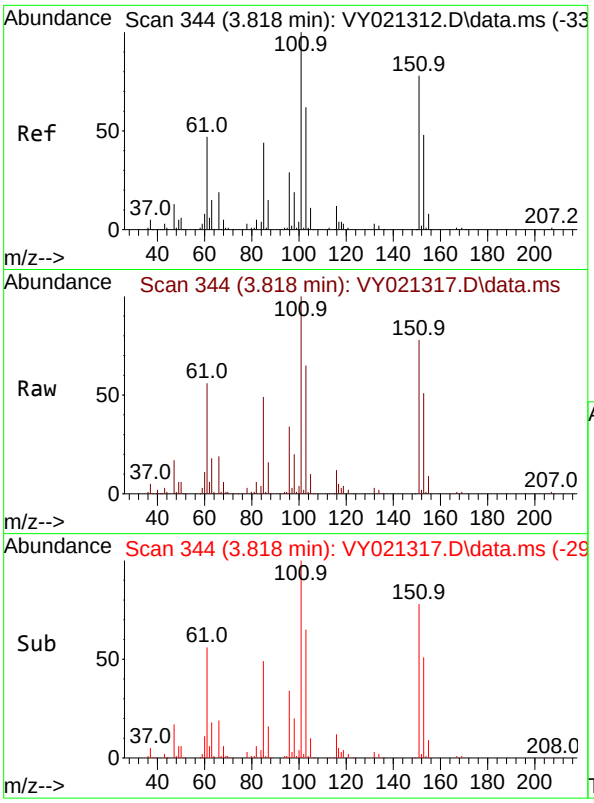


#8
Diethyl Ether
Concen: 54.849 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 74 Resp: 54929

Ion	Ratio	Lower	Upper
74	100		
45	101.8	50.3	150.9

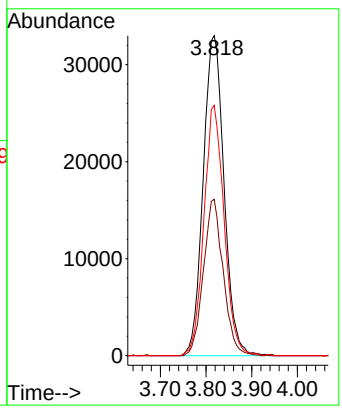




#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.188 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:101 Resp: 10467

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	75.8	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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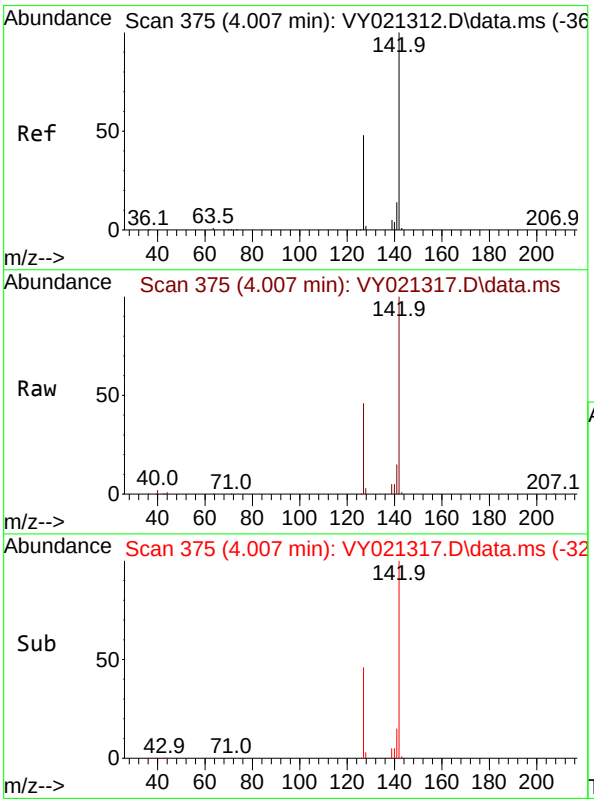
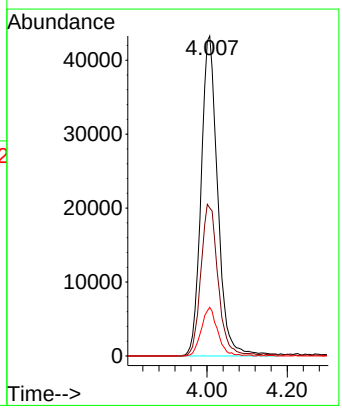
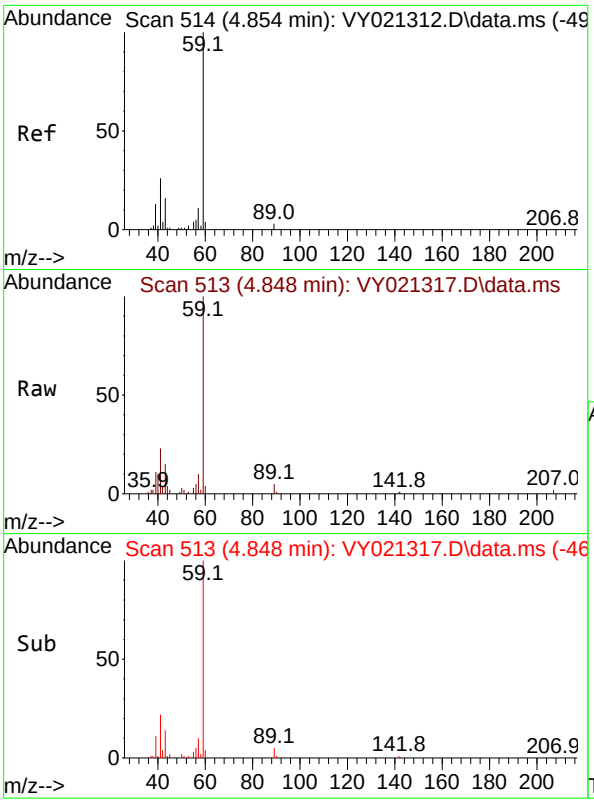


#10
Methyl Iodide
Concen: 61.361 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:142 Resp: 124707

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.2	58.8
141	14.8	11.4	17.2

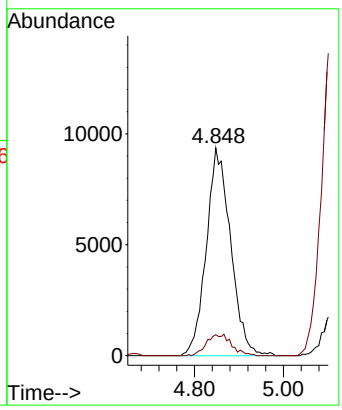




#11
Tert butyl alcohol
Concen: 221.762 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 59 Resp: 3557

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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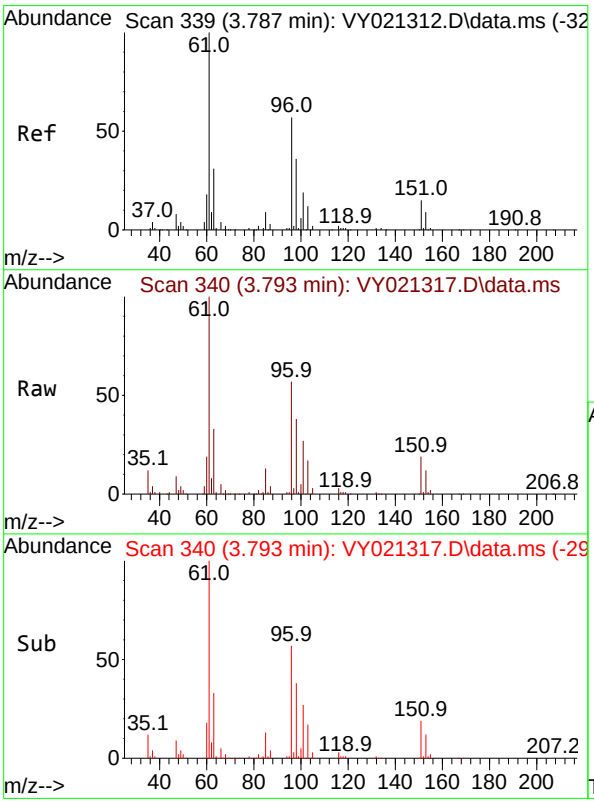
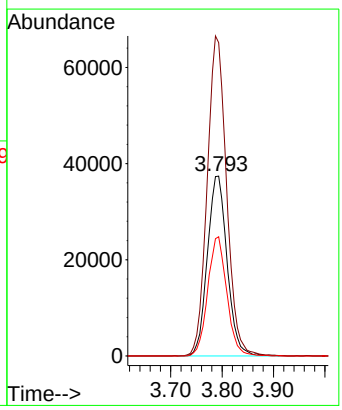
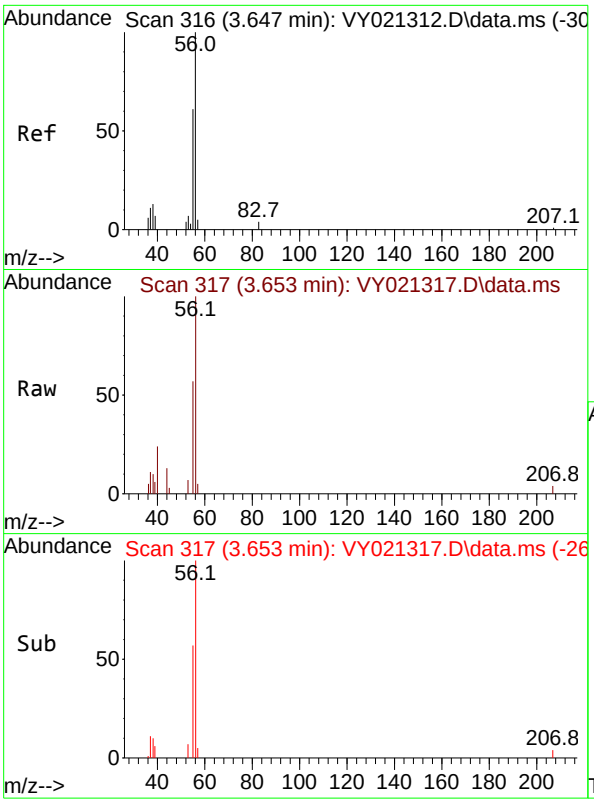


#12
1,1-Dichloroethene
Concen: 54.104 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 100075

Ion	Ratio	Lower	Upper
96	100		
61	174.2	139.7	209.5
98	66.3	49.7	74.5

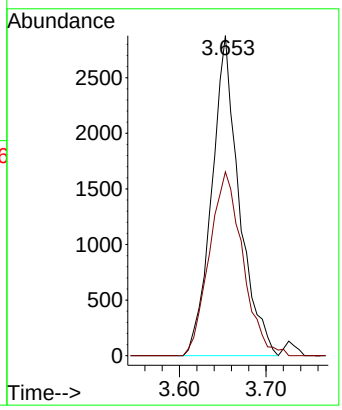




#13
Acrolein
Concen: 51.554 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 56 Resp: 633

Ion	Ratio	Lower	Upper
56	100		
55	69.9	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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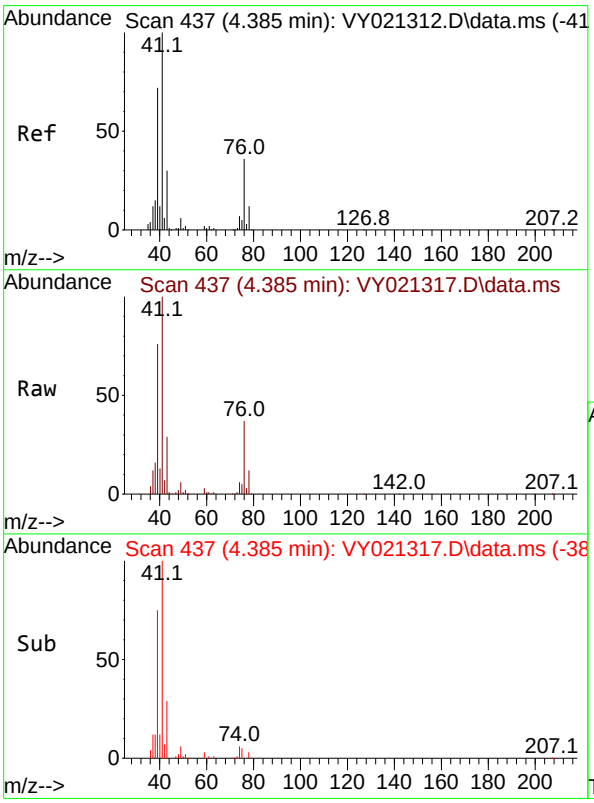
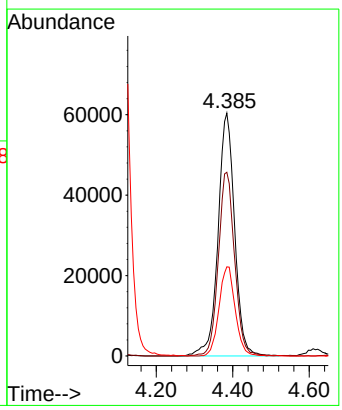
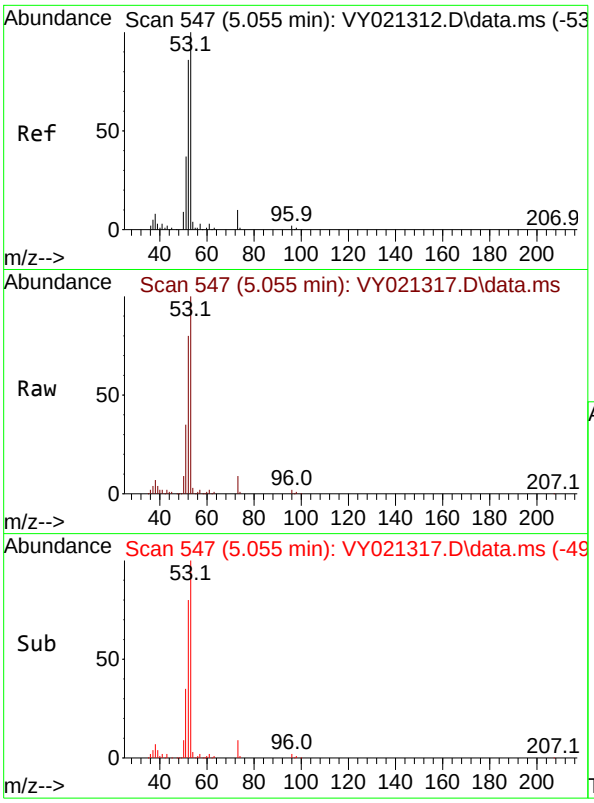


#14
Allyl chloride
Concen: 55.361 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 181554

Ion	Ratio	Lower	Upper
41	100		
39	74.4	60.0	90.0
76	35.8	29.0	43.6





#15
Acrylonitrile
Concen: 267.274 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 53 Resp: 11834

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.5	98.3
51	37.1	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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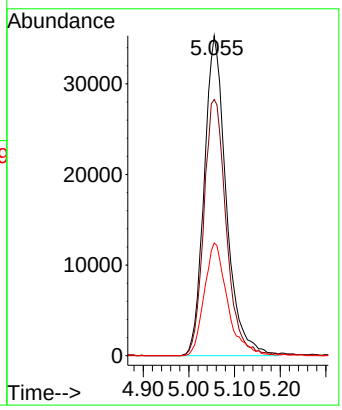
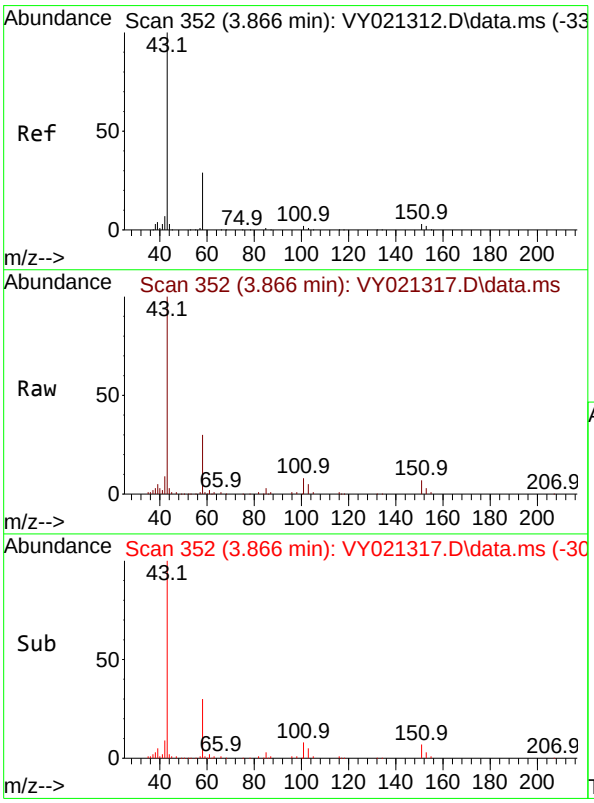
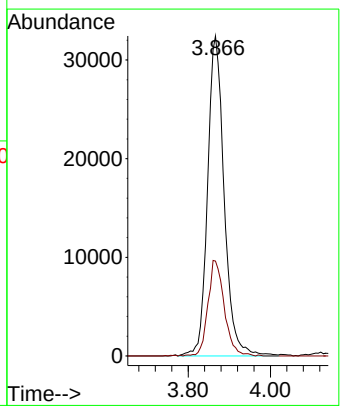


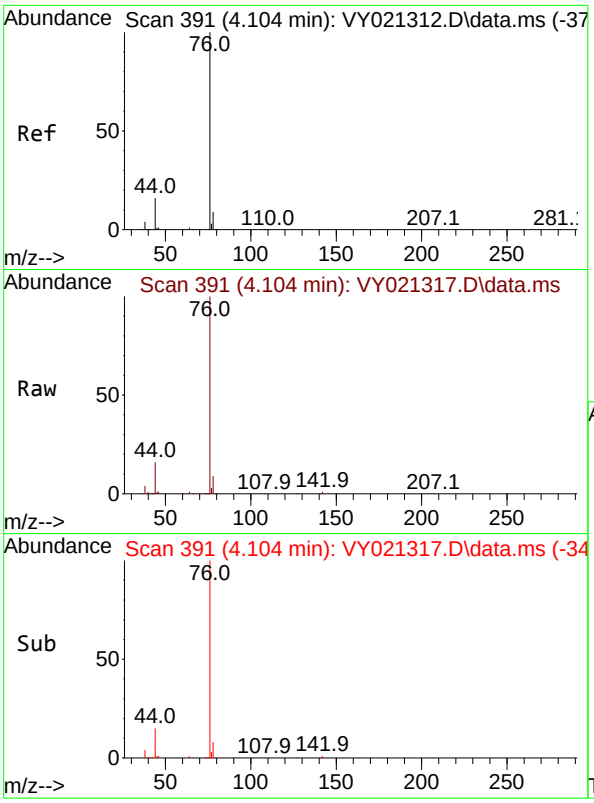


#16
Acetone
Concen: 227.197 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 90886

Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.5	35.3

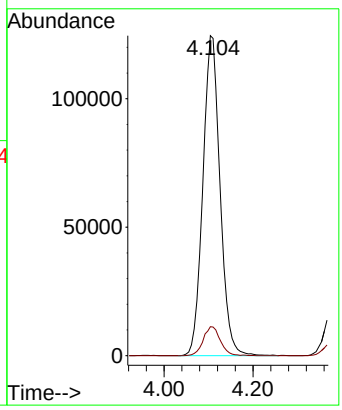




#17
Carbon Disulfide
Concen: 54.581 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 76 Resp: 33524

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7



Instrument :
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ClientSampleId :
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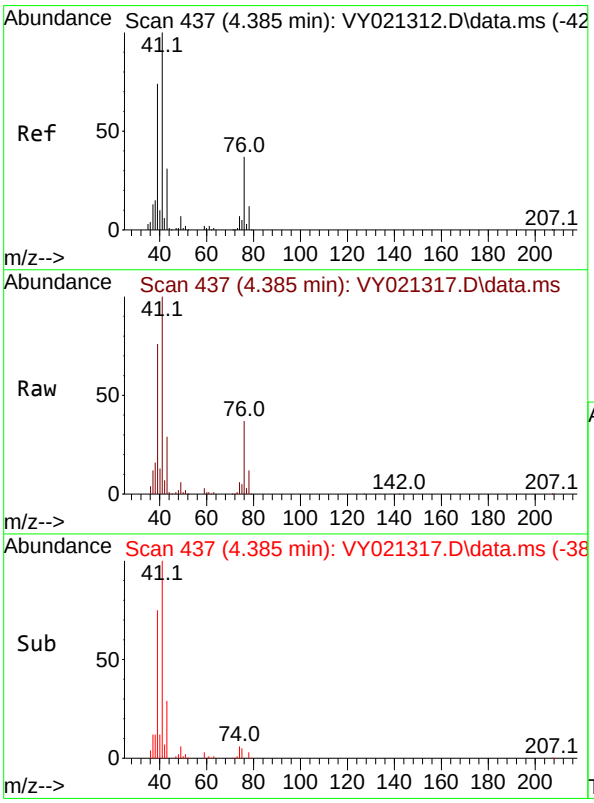
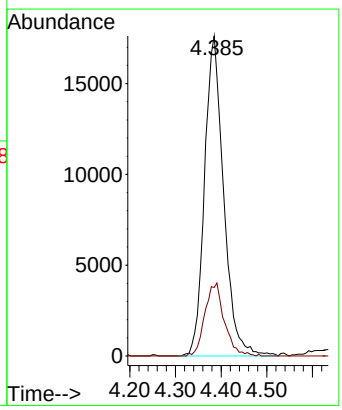
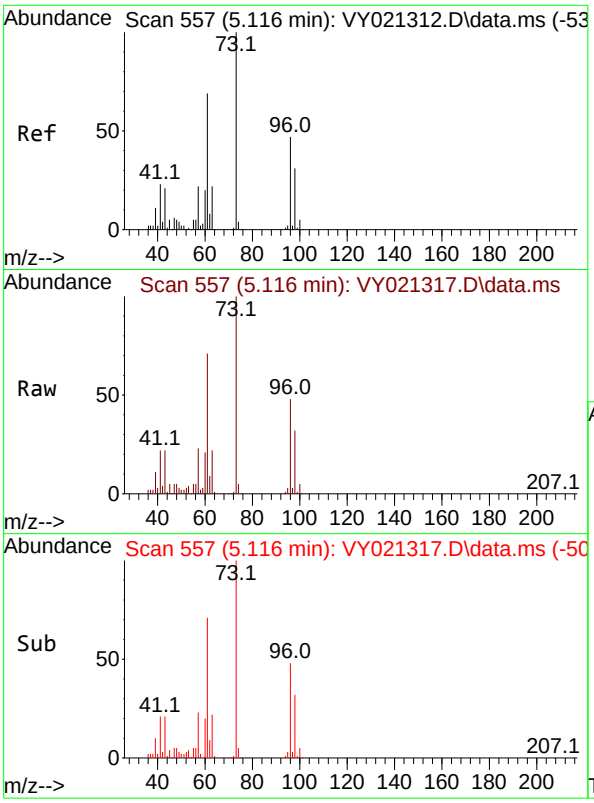


#18
Methyl Acetate
Concen: 52.372 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 51200

Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.7	26.5

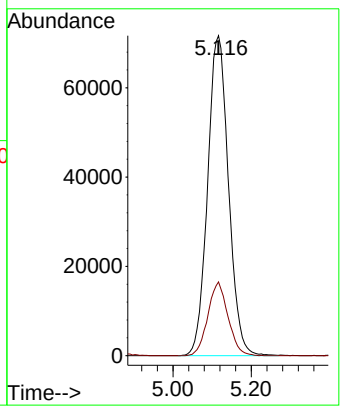




#19
Methyl tert-butyl Ether
Concen: 54.311 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 73 Resp: 26541

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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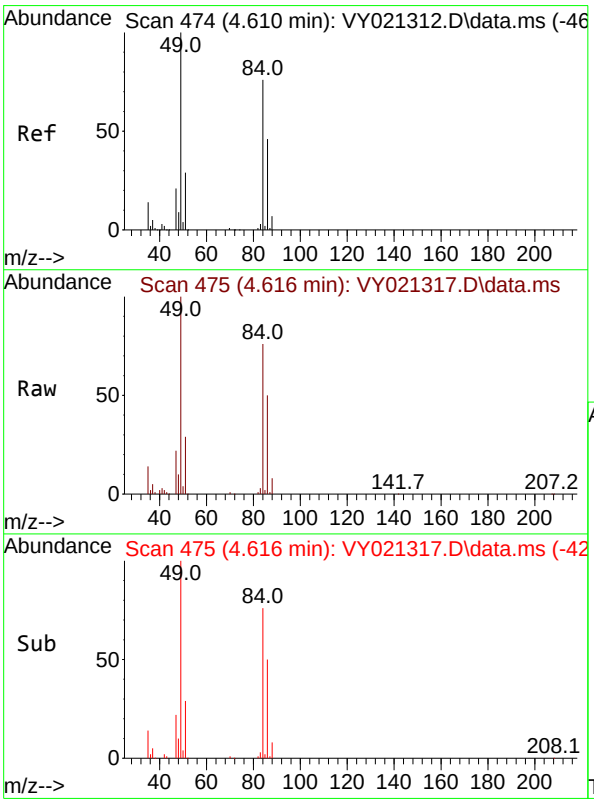
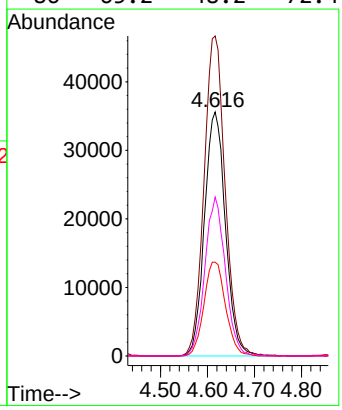
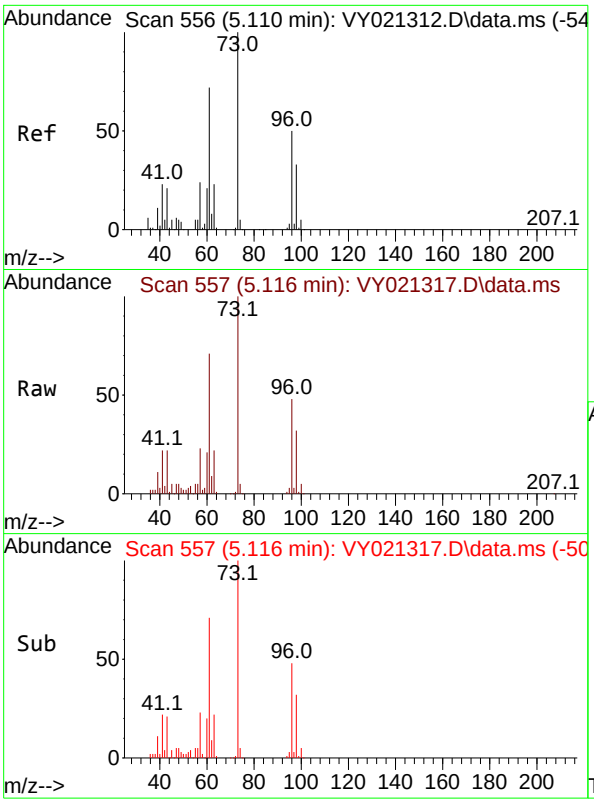


#20
Methylene Chloride
Concen: 51.062 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 84 Resp: 110456

Ion	Ratio	Lower	Upper
84	100		
49	131.2	105.1	157.7
51	38.4	31.0	46.4
86	65.2	48.2	72.4

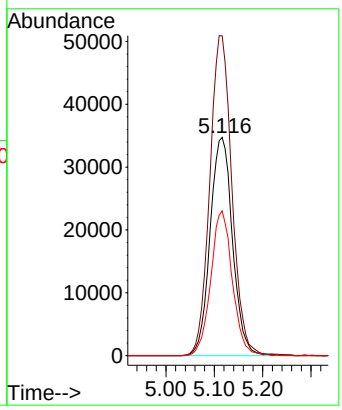




#21
trans-1,2-Dichloroethene
Concen: 55.044 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 11208

Ion	Ratio	Lower	Upper
96	100		
61	146.6	116.3	174.5
98	66.4	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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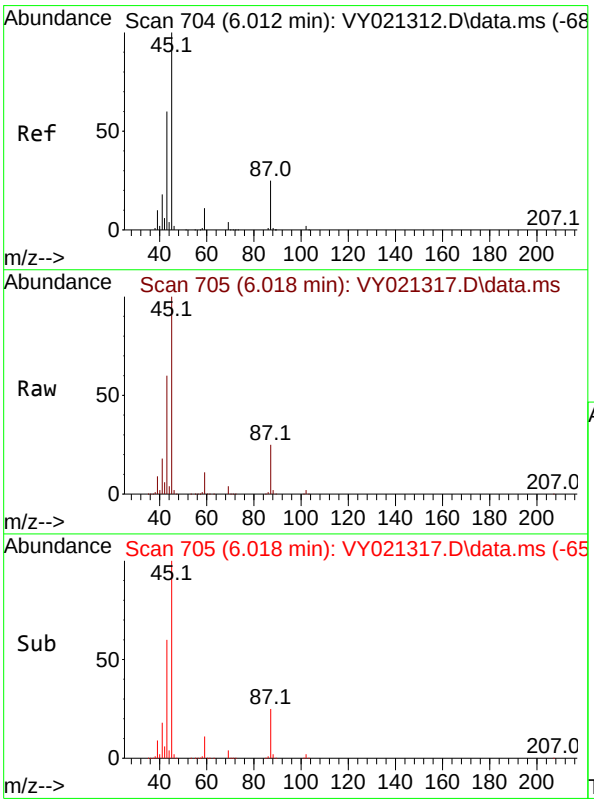
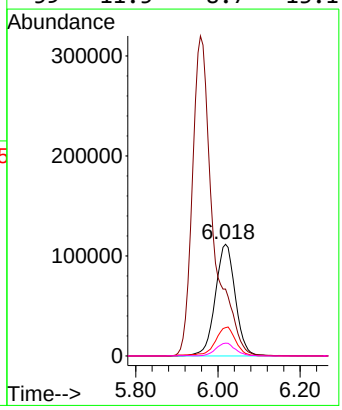
Supervised By :Mahesh Dadoda 02/26/2025

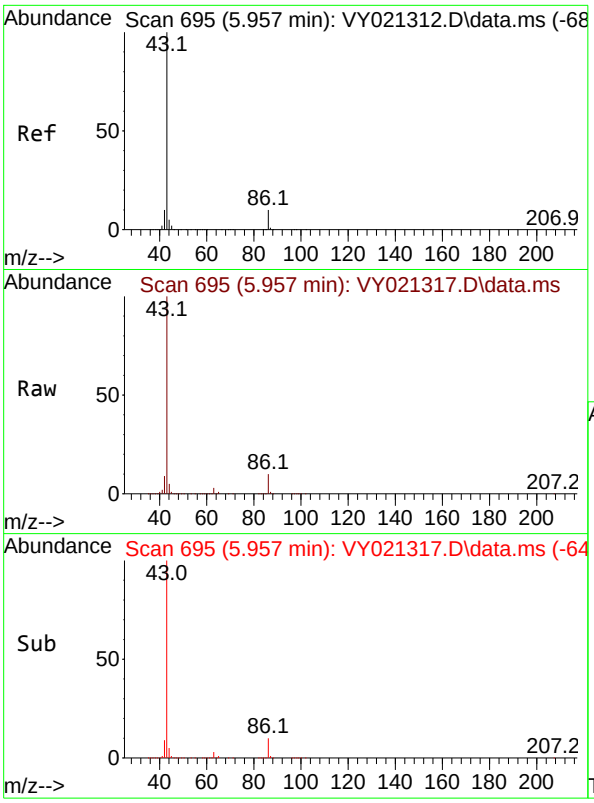


#22
Diisopropyl ether
Concen: 55.595 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 45 Resp: 377281

Ion	Ratio	Lower	Upper
45	100		
43	59.4	48.2	72.4
87	25.4	20.3	30.5
59	11.5	8.7	13.1

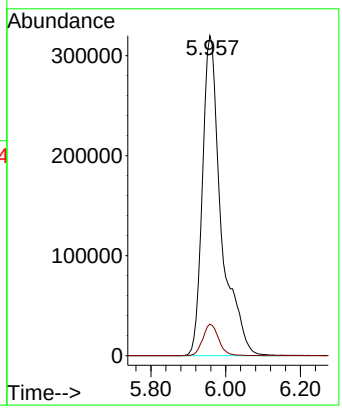




#23
Vinyl Acetate
Concen: 275.197 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 111600

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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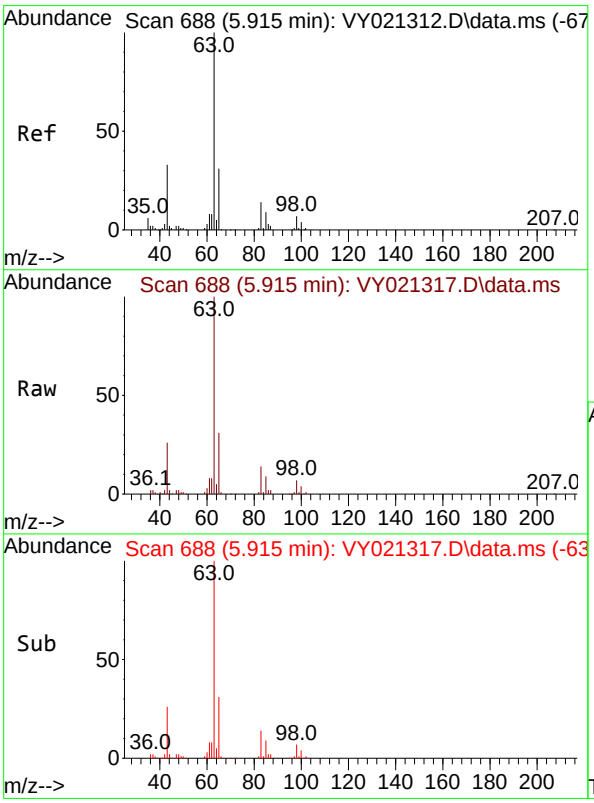
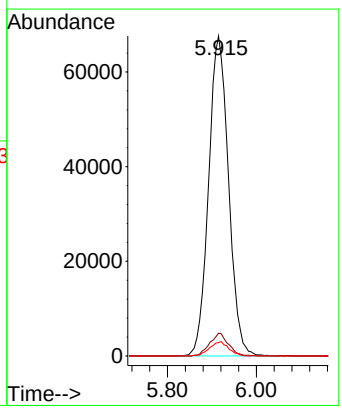
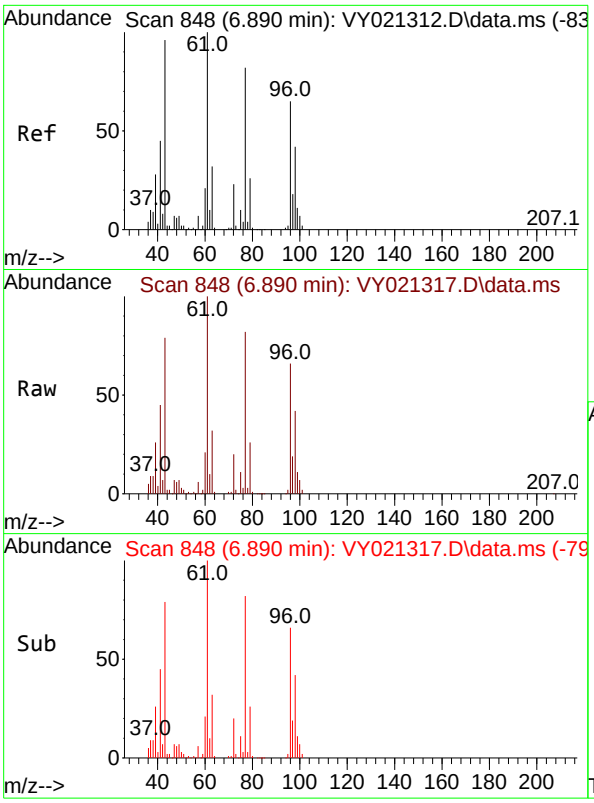


#24
1,1-Dichloroethane
Concen: 55.004 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 210383

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	4.2	2.1	6.5

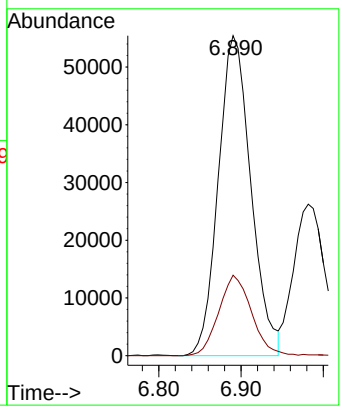




#25
2-Butanone
Concen: 253.246 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 15289

Ion	Ratio	Lower	Upper
43	100		
72	25.2	19.0	28.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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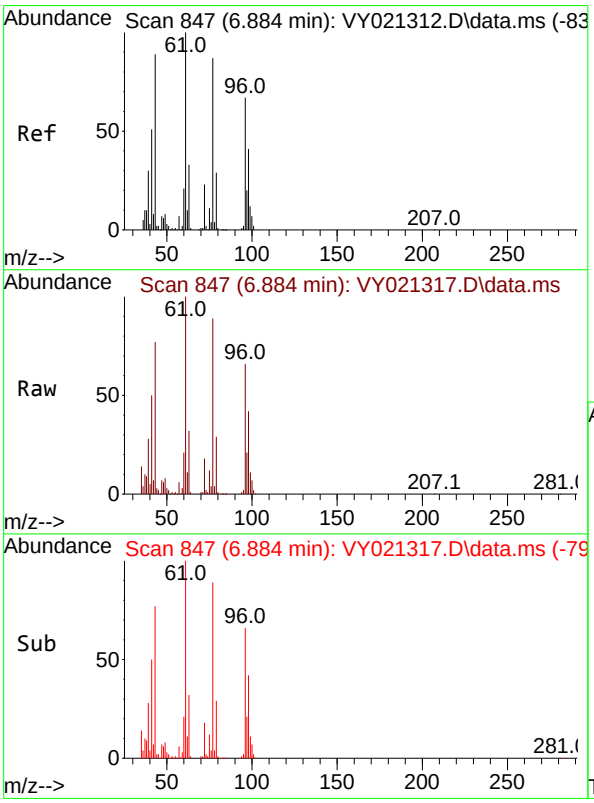
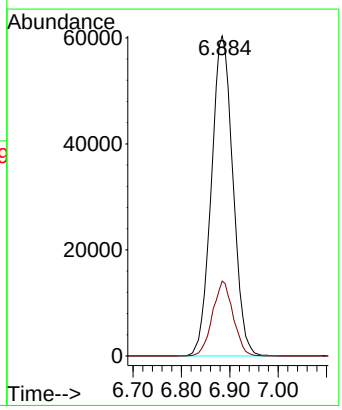
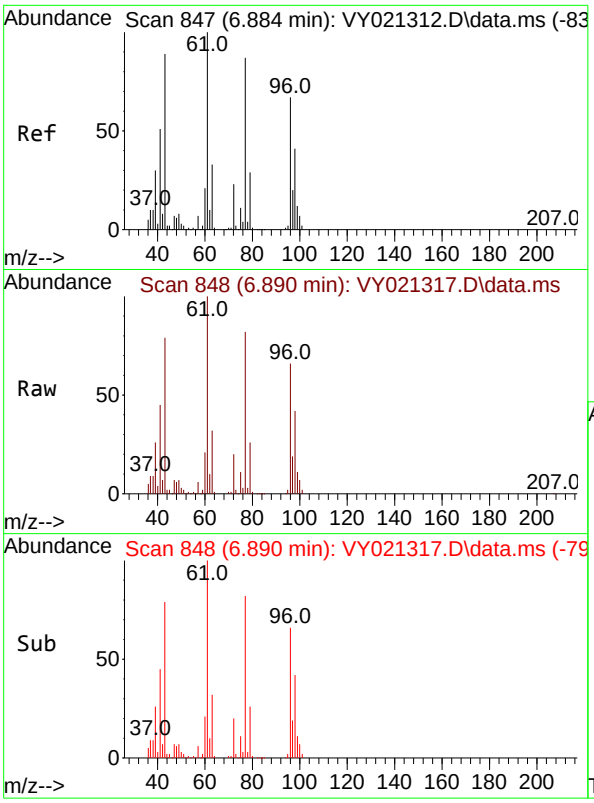


#26
2,2-Dichloropropane
Concen: 53.893 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 77 Resp: 187045

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7

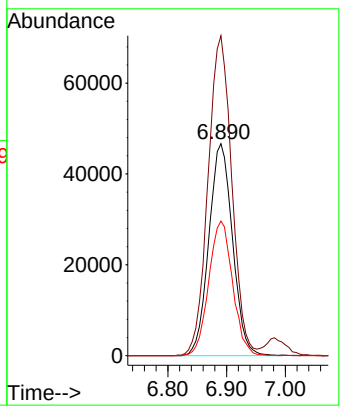




#27
cis-1,2-Dichloroethene
Concen: 56.305 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 13092

Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	308.0
98	63.7	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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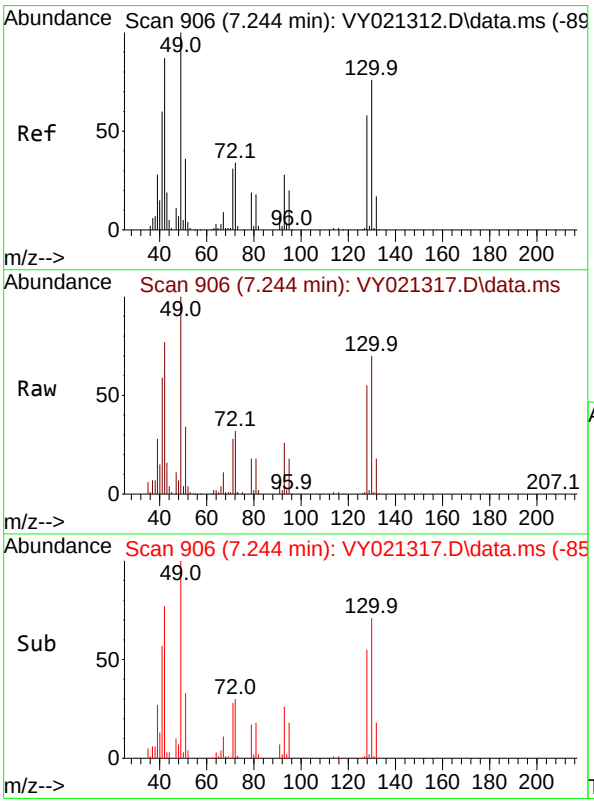
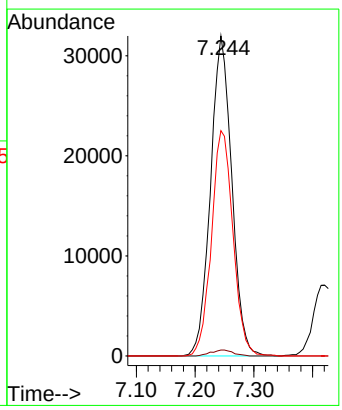
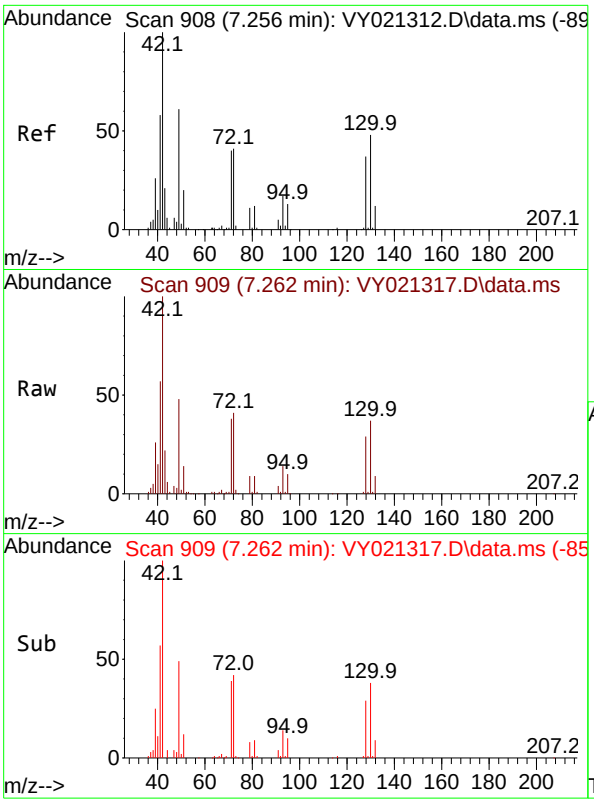


#28
Bromochloromethane
Concen: 47.452 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 49 Resp: 80309

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	71.5	57.8	86.6

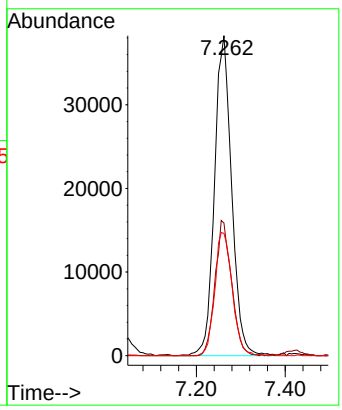




#29
Tetrahydrofuran
Concen: 260.172 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 42 Resp: 10267

Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	39.2	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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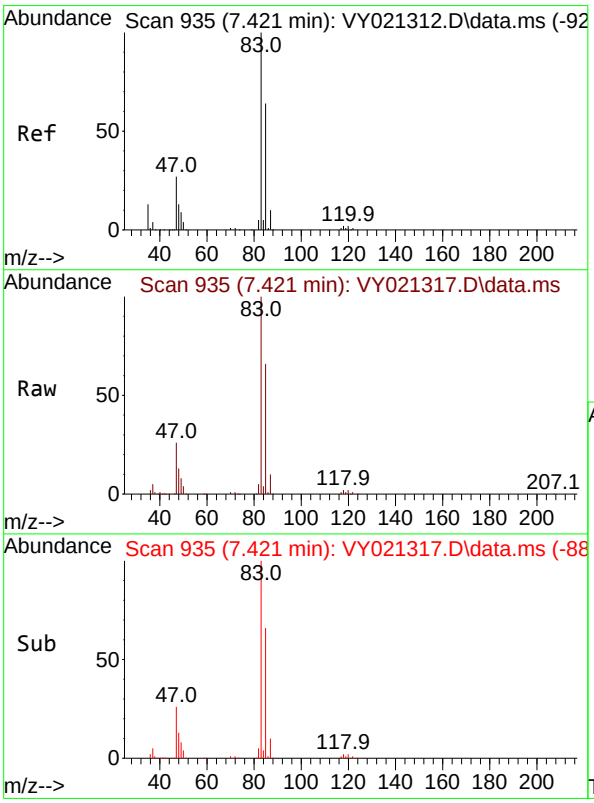
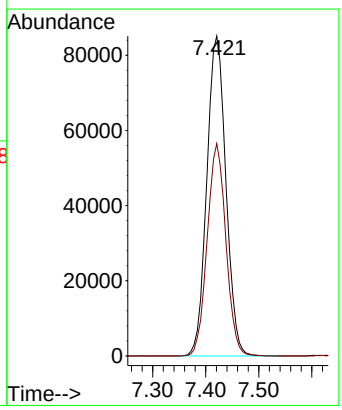
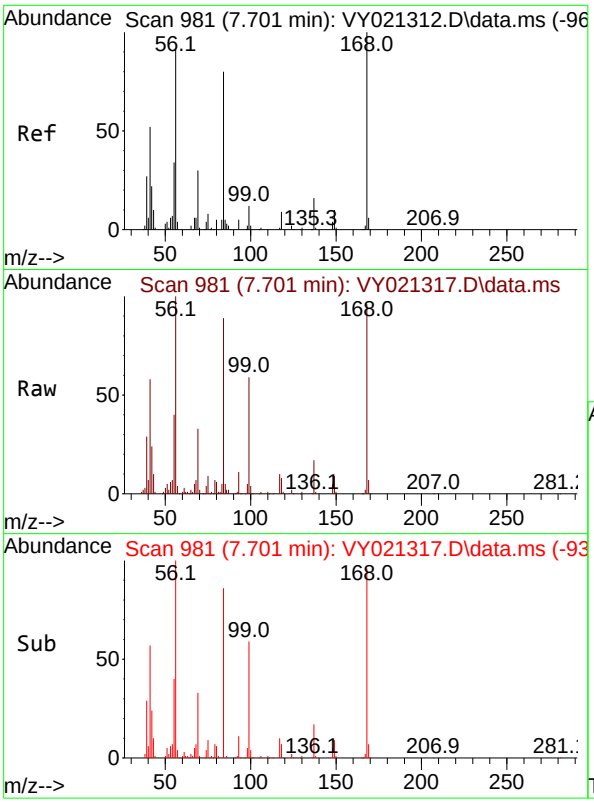


#30
Chloroform
Concen: 55.023 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 213255

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.6	77.4

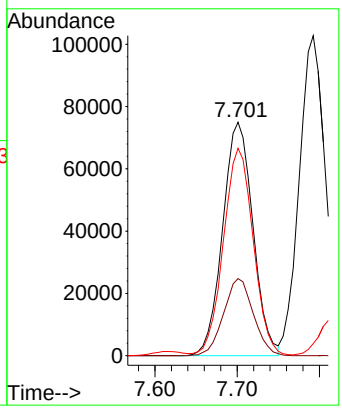




#31
Cyclohexane
Concen: 52.180 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 56 Resp: 19185

Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	87.3	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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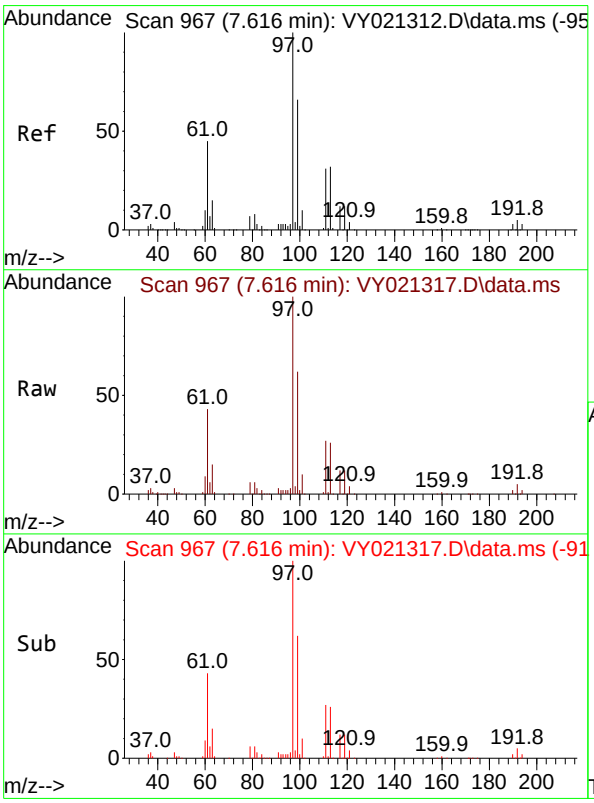
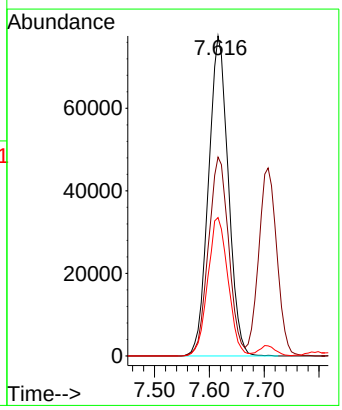
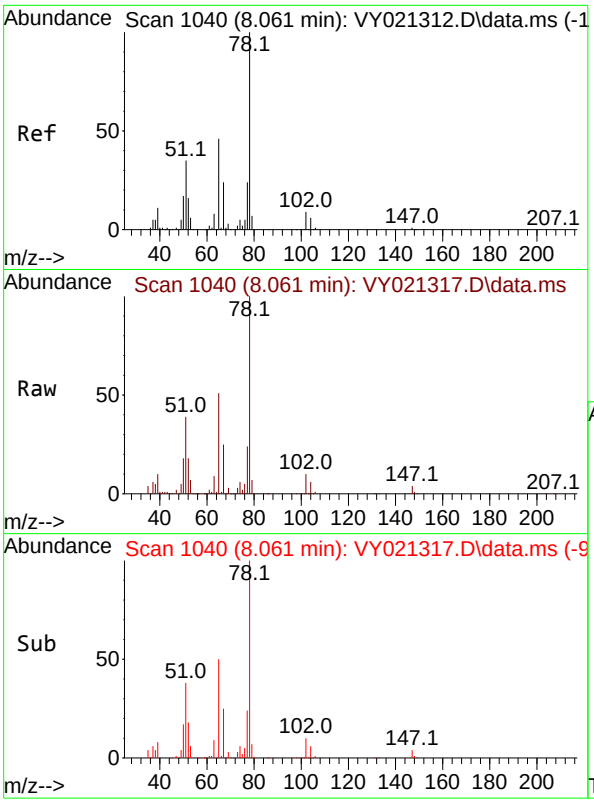


#32
1,1,1-Trichloroethane
Concen: 55.084 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 97 Resp: 194325

Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.4	78.6
61	44.3	36.2	54.2

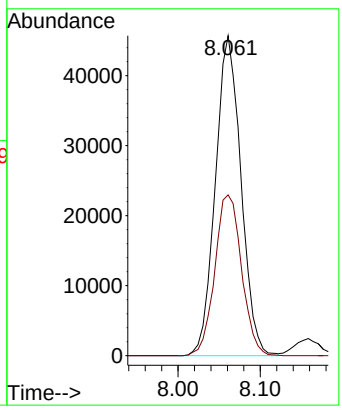




#33
1,2-Dichloroethane-d4
Concen: 47.453 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 65 Resp: 9896

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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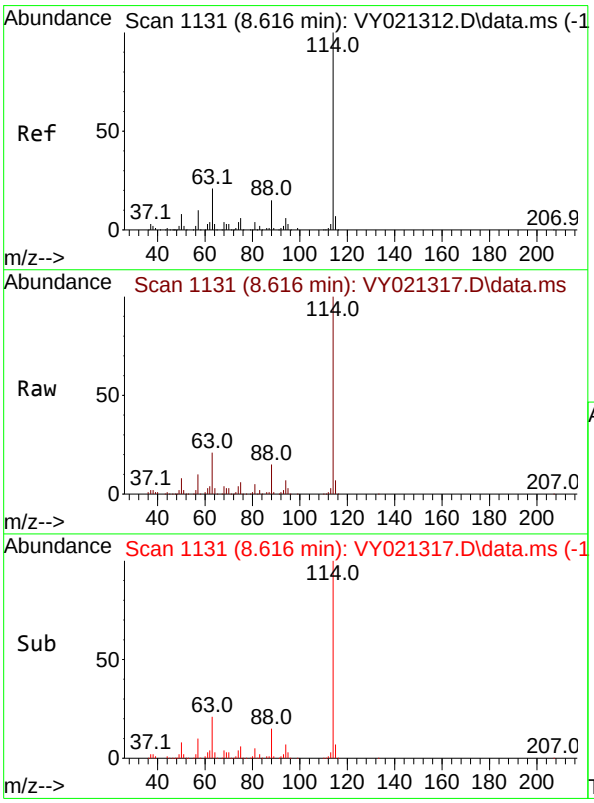
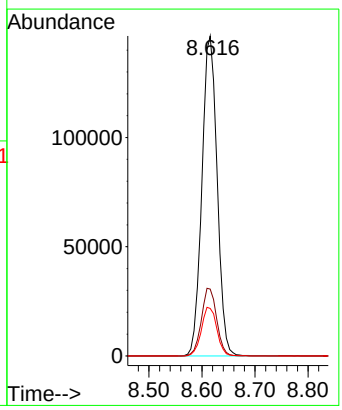
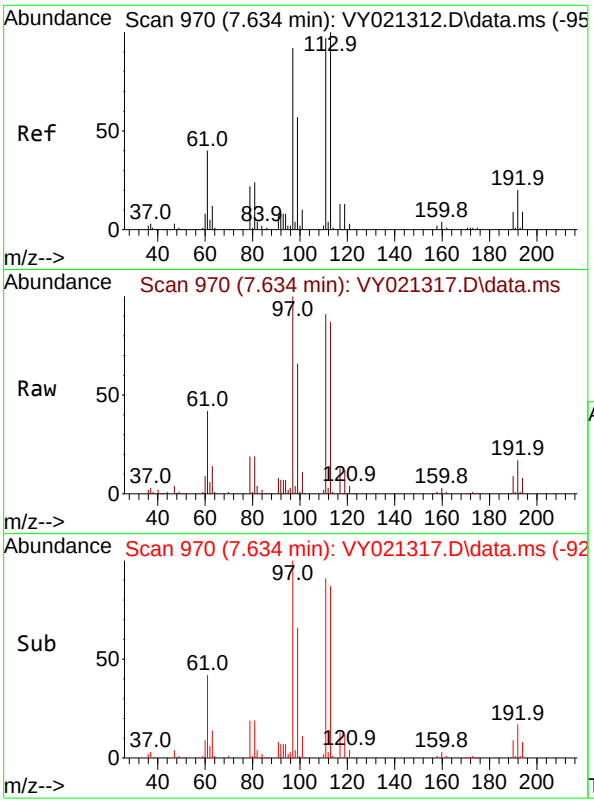


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:114 Resp: 292214

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.2
88	14.9	0.0	29.8

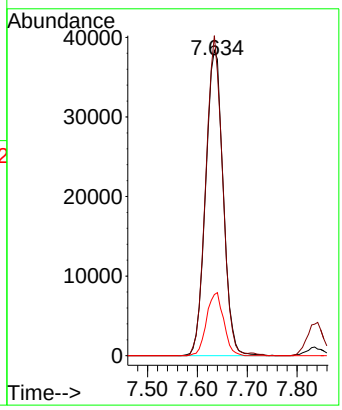




#35
Dibromofluoromethane
Concen: 49.037 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:113 Resp: 9394

Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.0	121.6
192	20.1	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
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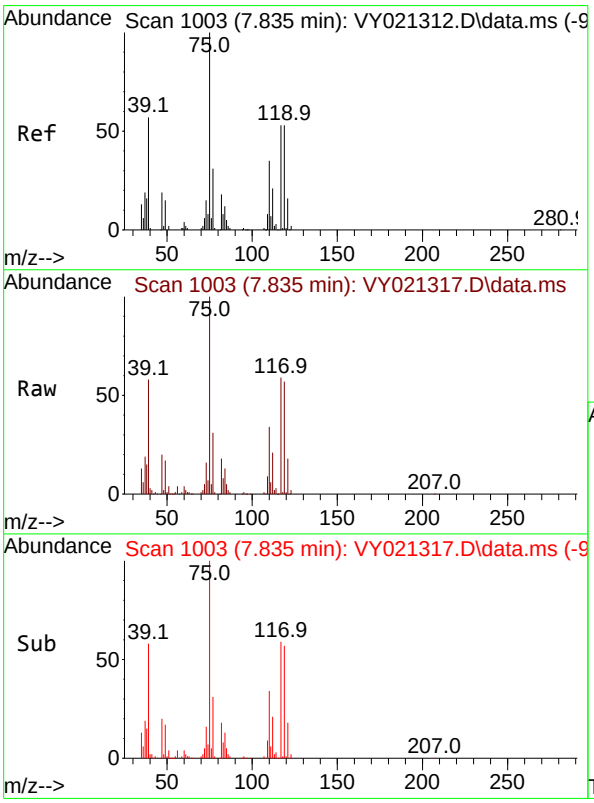
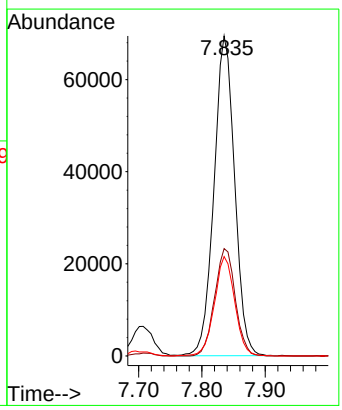
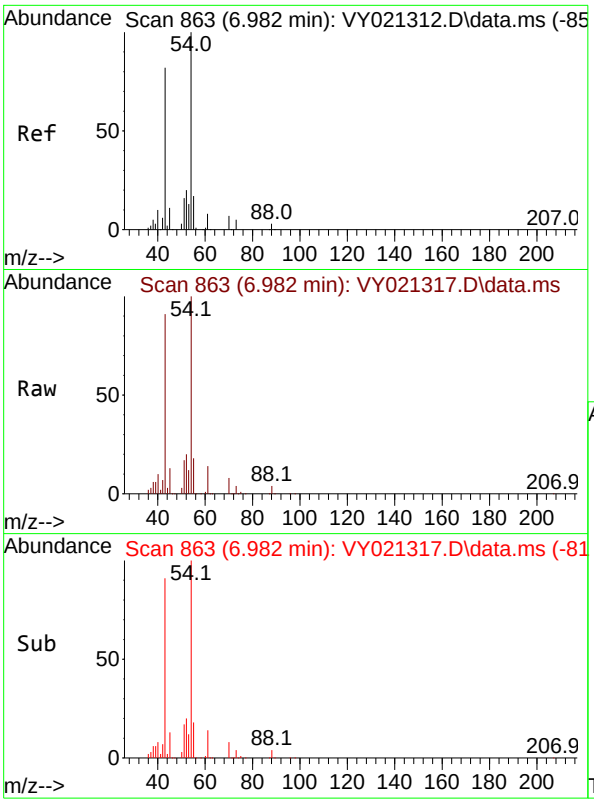


#36
1,1-Dichloropropene
Concen: 54.593 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 157102

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	30.7	24.6	36.8





#37
Ethyl Acetate
Concen: 50.864 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 7281

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	9.4	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
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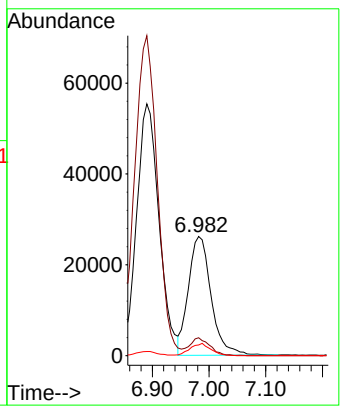
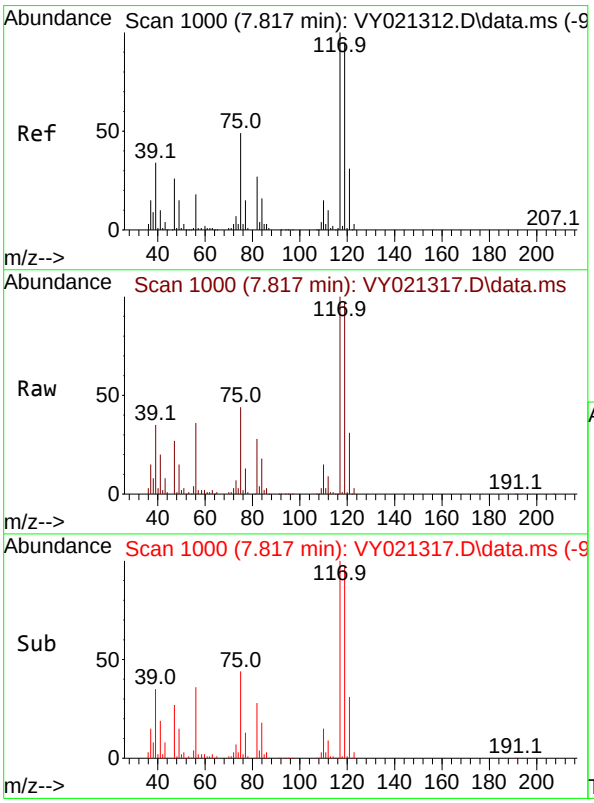
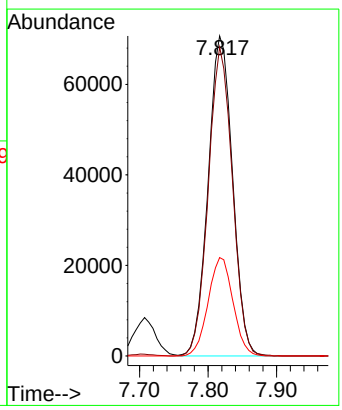


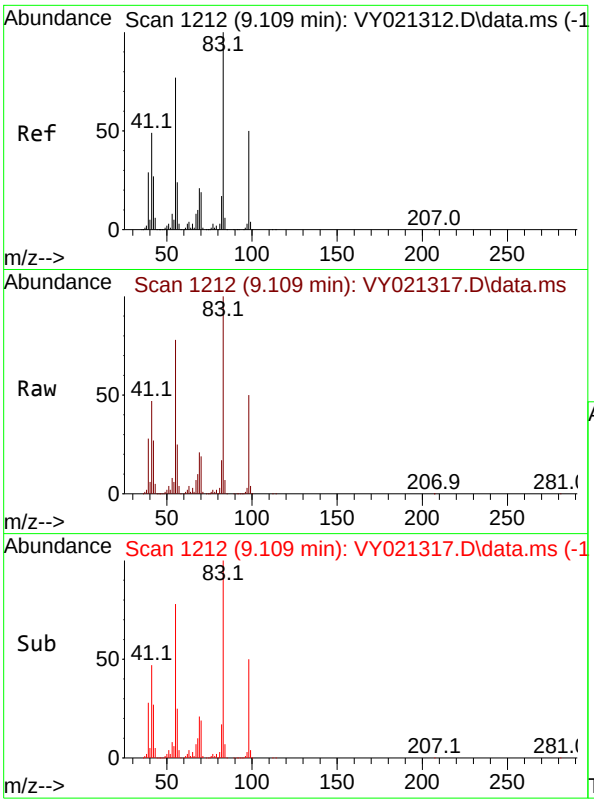


#38
Carbon Tetrachloride
Concen: 54.157 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 175208

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.0	114.0
121	30.8	24.9	37.3

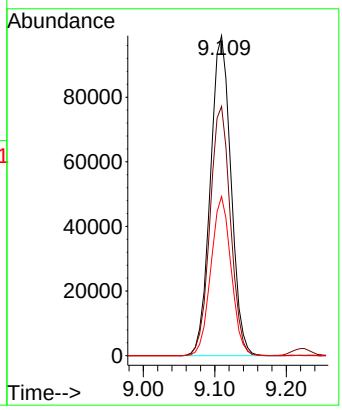




#39
Methylcyclohexane
Concen: 54.397 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 19799

Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.3	91.9
98	49.7	39.9	59.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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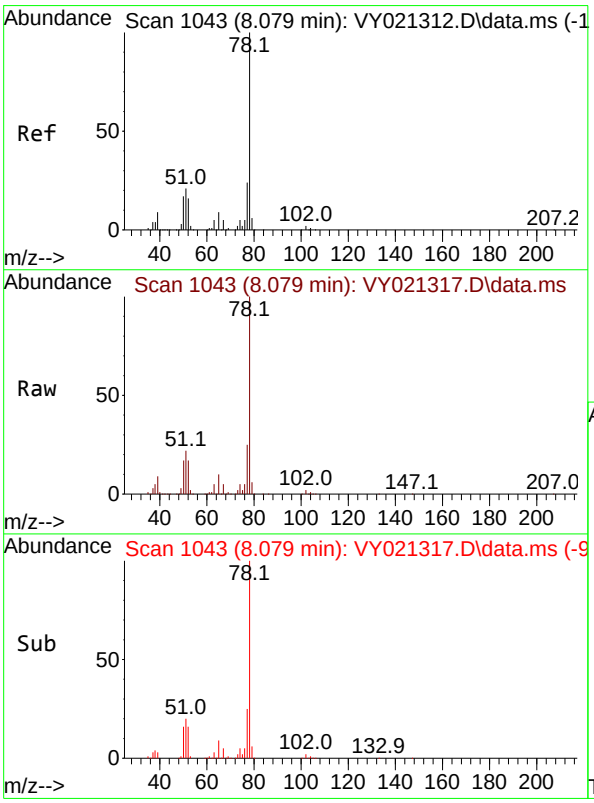
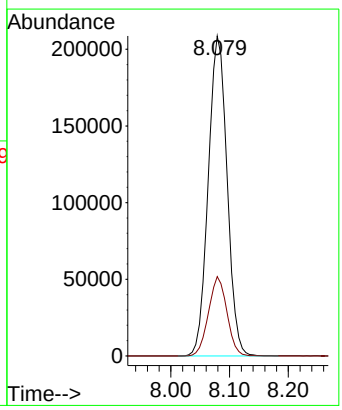
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

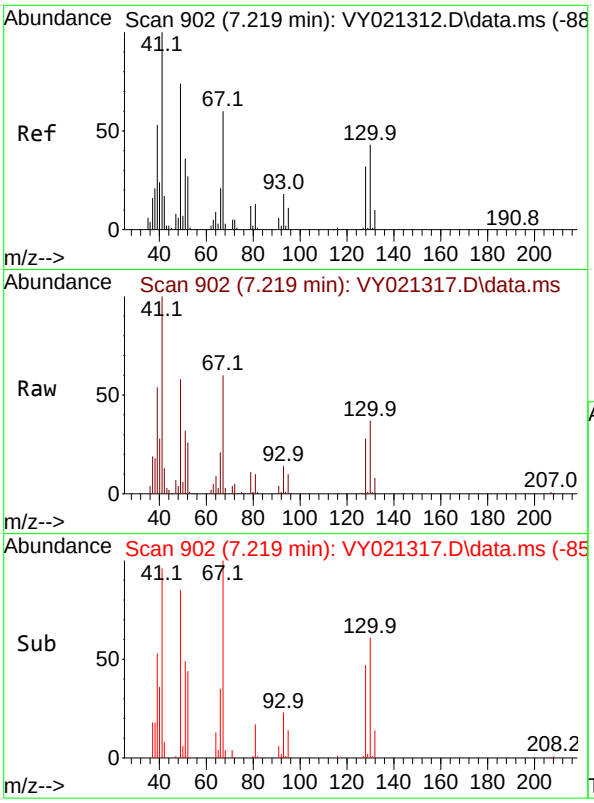


#40
Benzene
Concen: 54.583 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 78 Resp: 464323

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8

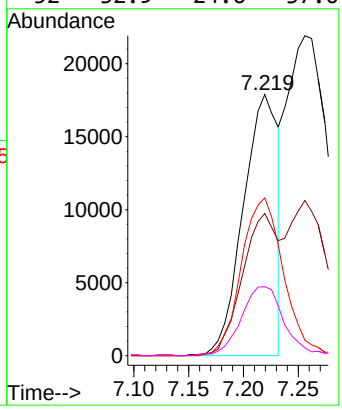




#41
Methacrylonitrile
Concen: 49.244 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 3941

Ion	Ratio	Lower	Upper
41	100		
39	54.9	42.3	63.5
67	73.3	54.8	82.2
52	32.9	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
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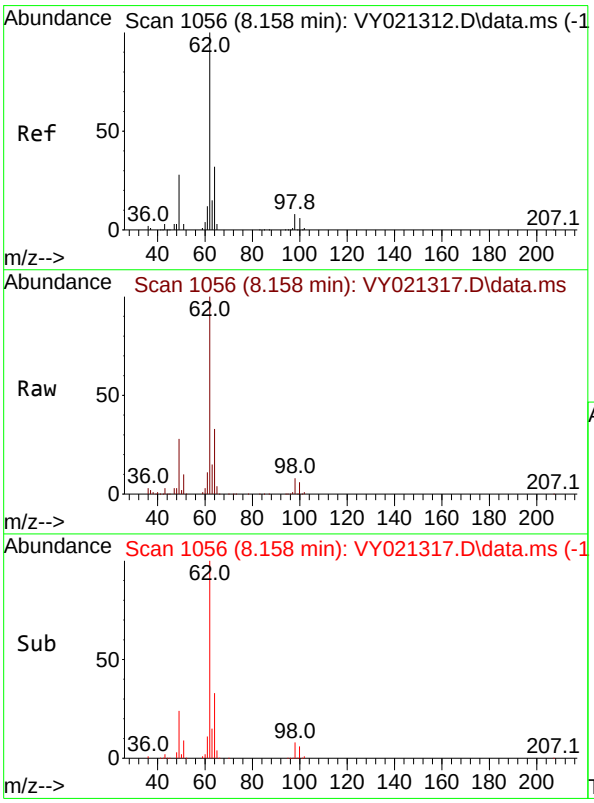
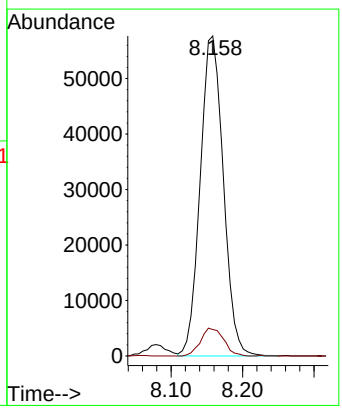
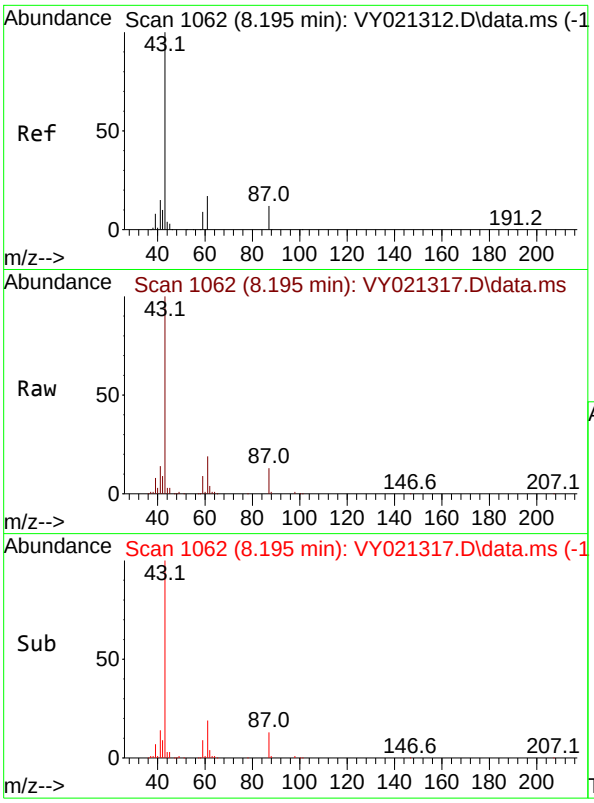


#42
1,2-Dichloroethane
Concen: 53.746 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 129718

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6

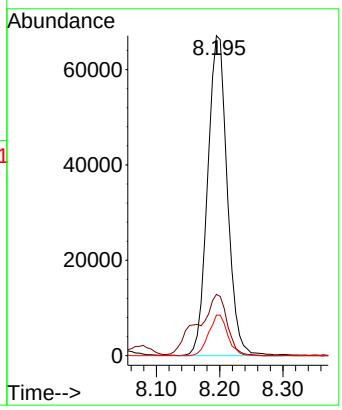




#43
Isopropyl Acetate
Concen: 52.380 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 14512

Ion	Ratio	Lower	Upper
43	100		
61	28.5	15.0	22.6
87	12.3	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
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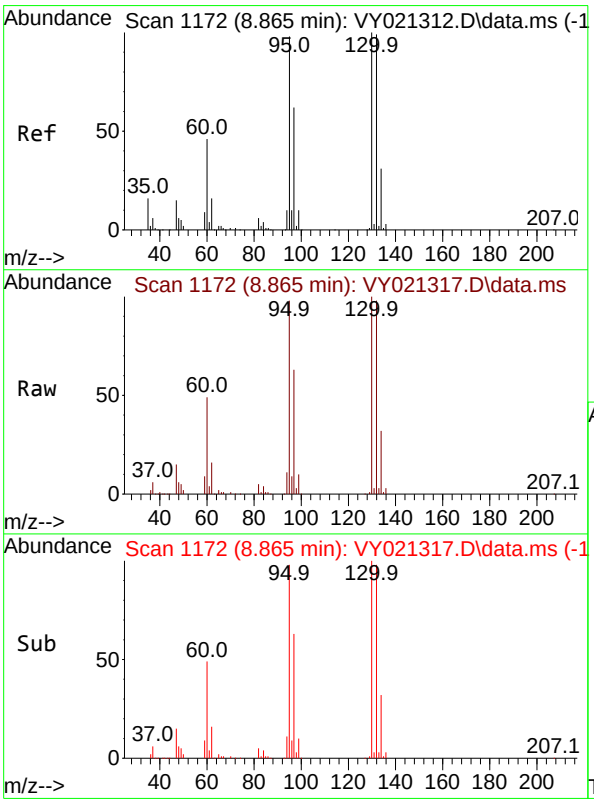
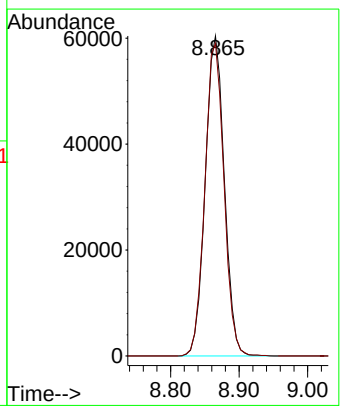
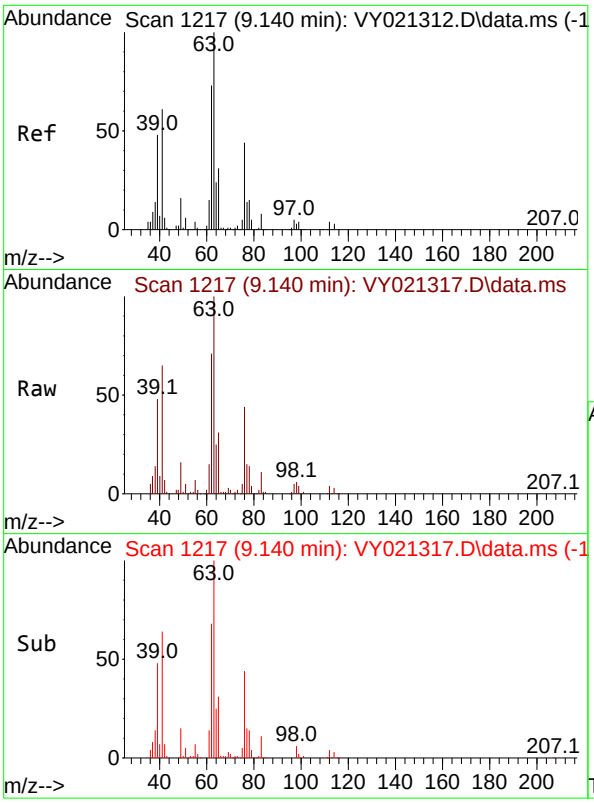


#44
Trichloroethene
Concen: 54.930 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:130 Resp: 116988

Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	196.0

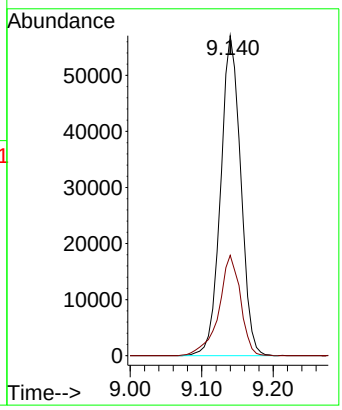




#45
1,2-Dichloropropane
Concen: 54.464 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 11149

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
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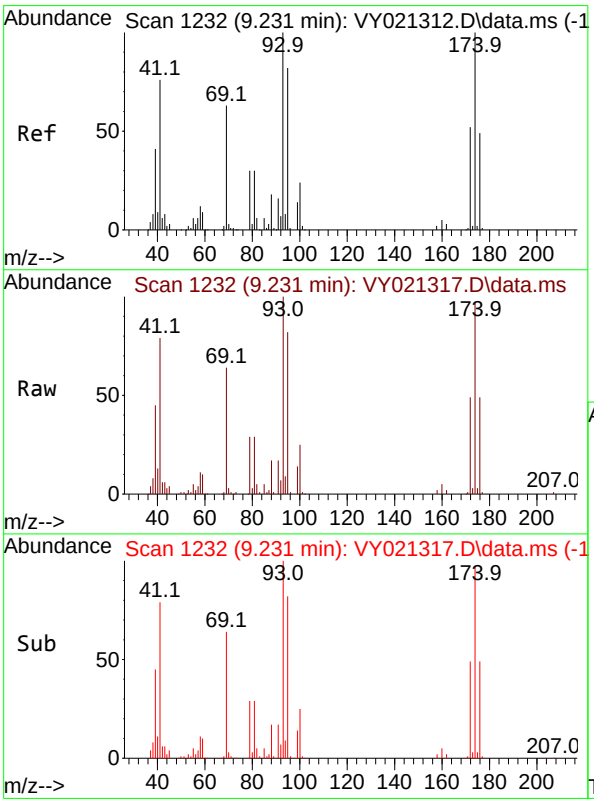
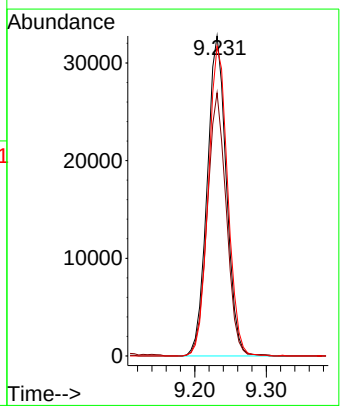
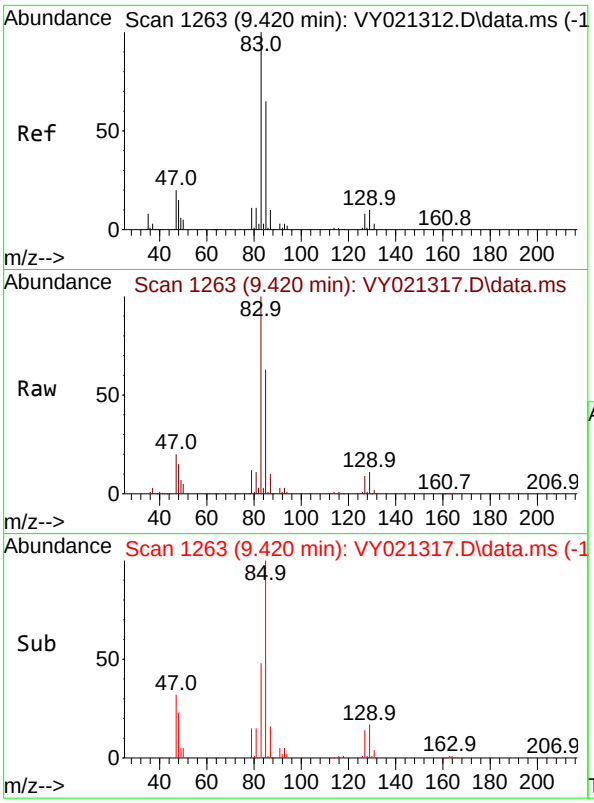


#46
Dibromomethane
Concen: 54.539 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 93 Resp: 61031

Ion	Ratio	Lower	Upper
93	100		
95	81.4	66.4	99.6
174	98.0	78.2	117.2

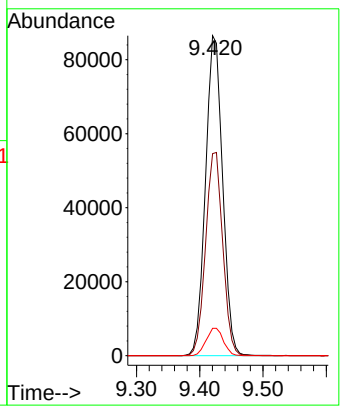




#47
Bromodichloromethane
Concen: 54.489 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 16258

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8
127	8.5	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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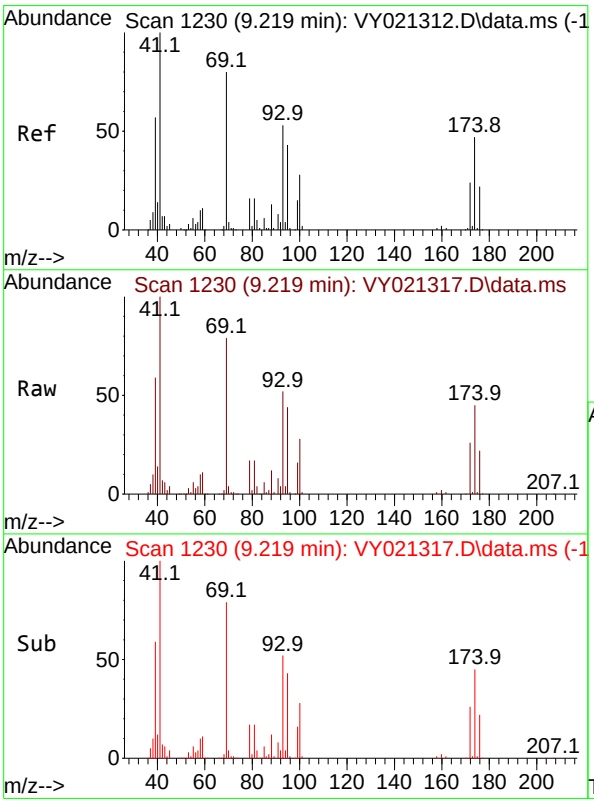
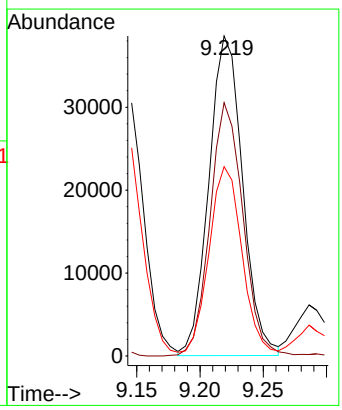
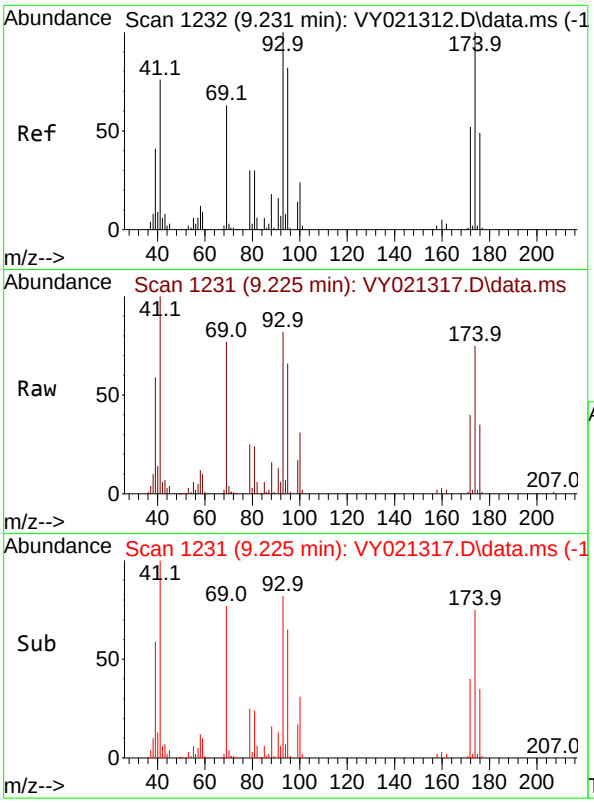


#48
Methyl methacrylate
Concen: 55.076 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 71360

Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.3	94.9
39	56.2	45.0	67.6

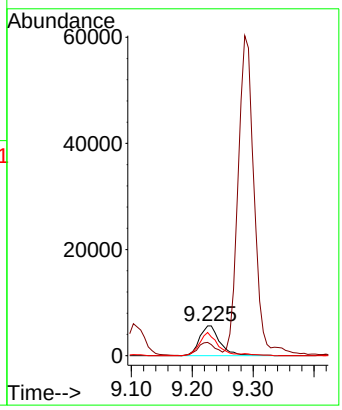




#49
1,4-Dioxane
Concen: 1053.076 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 88 Resp: 1310

Ion	Ratio	Lower	Upper
88	100		
43	39.5	34.8	52.2
58	69.6	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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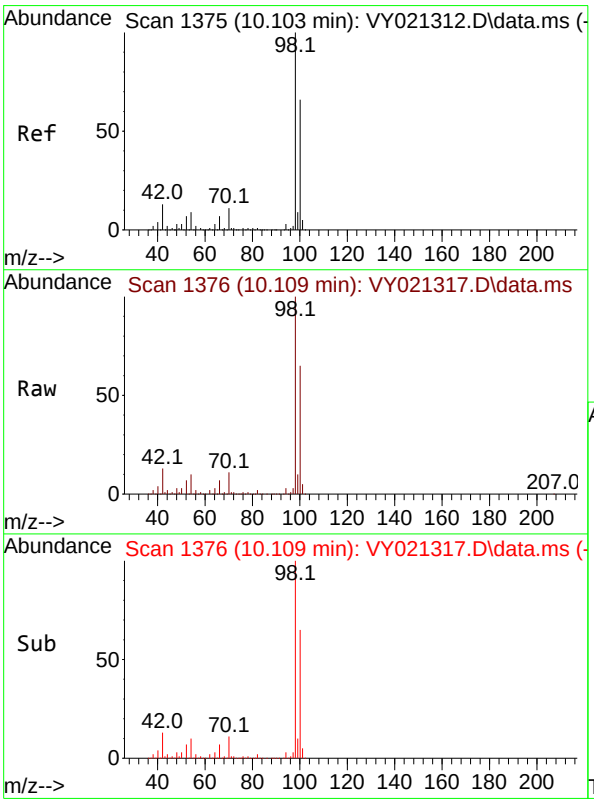
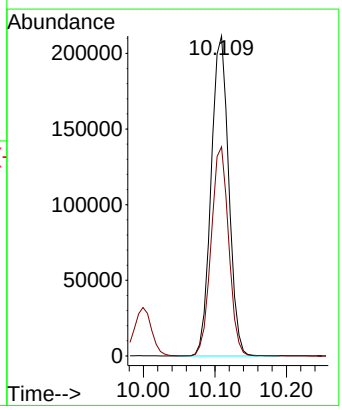
Supervised By :Mahesh Dadoda 02/26/2025

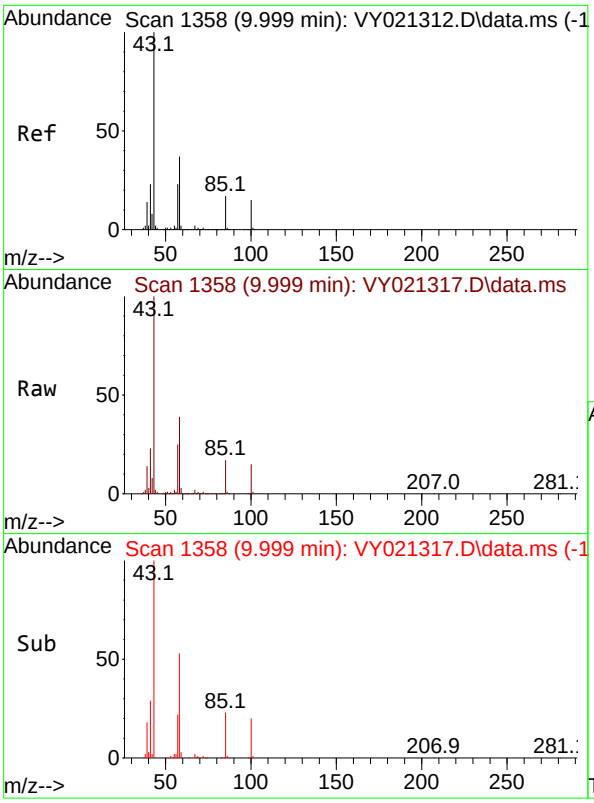


#50
Toluene-d8
Concen: 48.694 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 98 Resp: 360528

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6

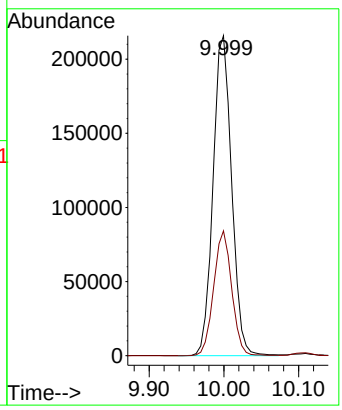




#51
4-Methyl-2-Pentanone
Concen: 262.628 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 37248

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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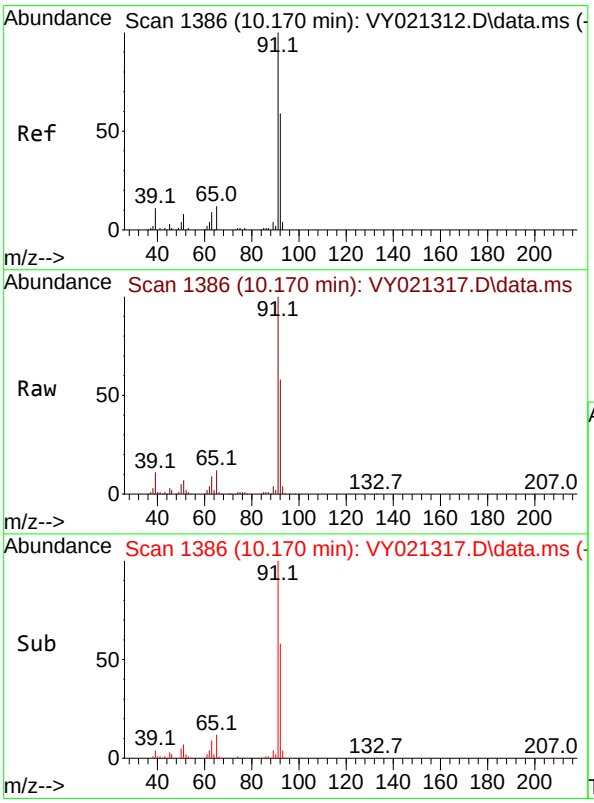
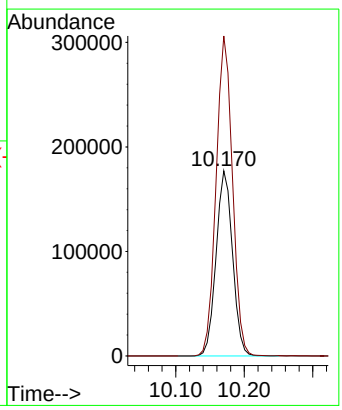
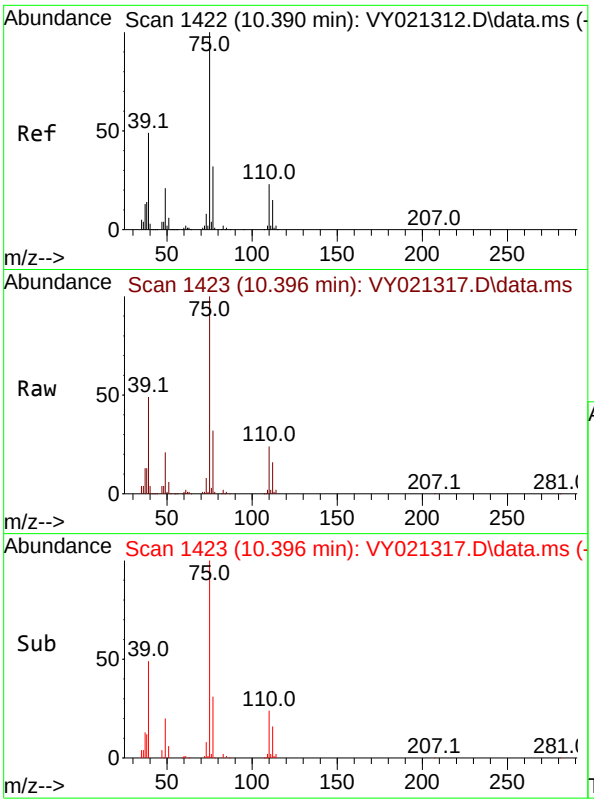


#52
Toluene
Concen: 55.674 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 92 Resp: 294219

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.8	206.8

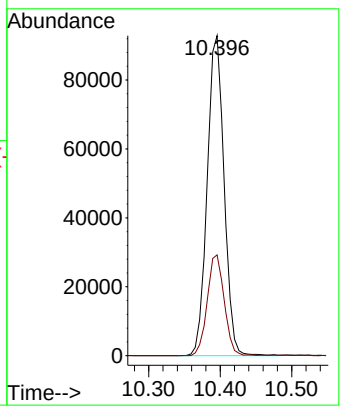




#53
t-1,3-Dichloropropene
Concen: 55.699 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 15226

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
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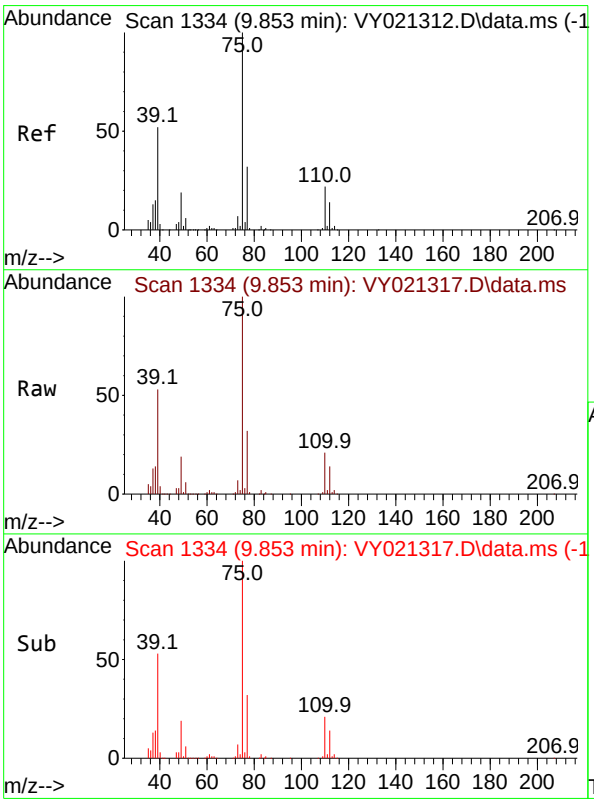
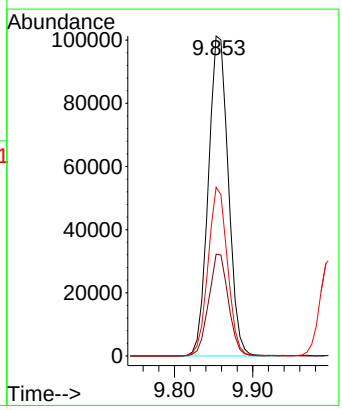
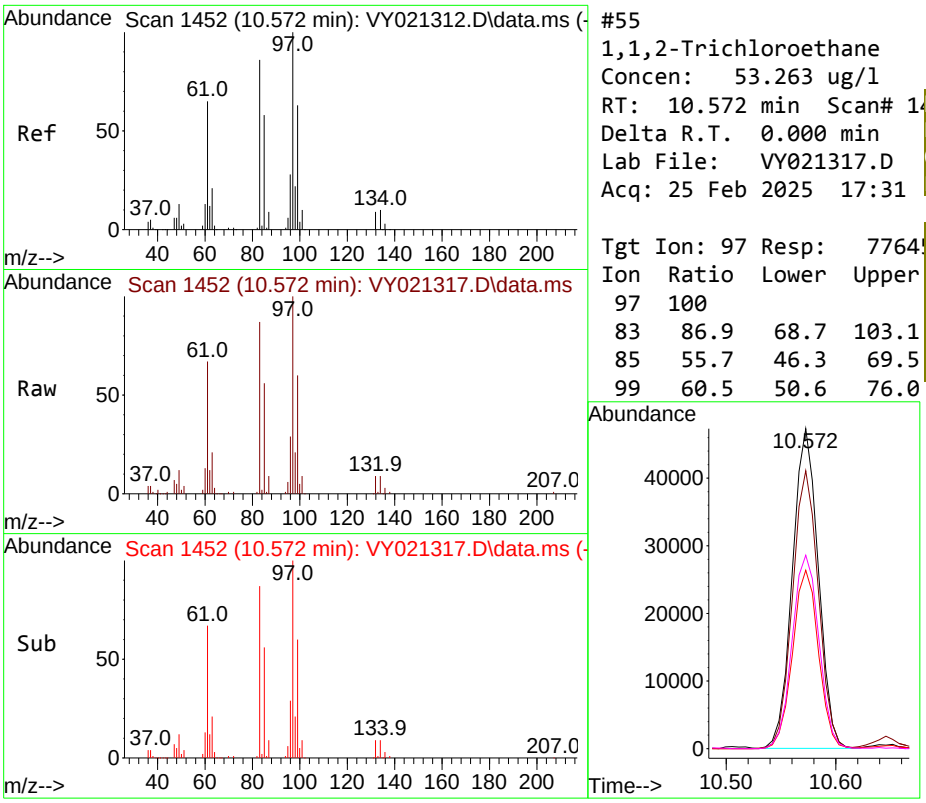


#54
cis-1,3-Dichloropropene
Concen: 55.451 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 178951

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	52.6	41.8	62.6





#55
1,1,2-Trichloroethane
Concen: 53.263 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 97 Resp: 7764

Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.7	103.1
85	55.7	46.3	69.5
99	60.5	50.6	76.0

Instrument :
MSVOA_Y
ClientSampleId :
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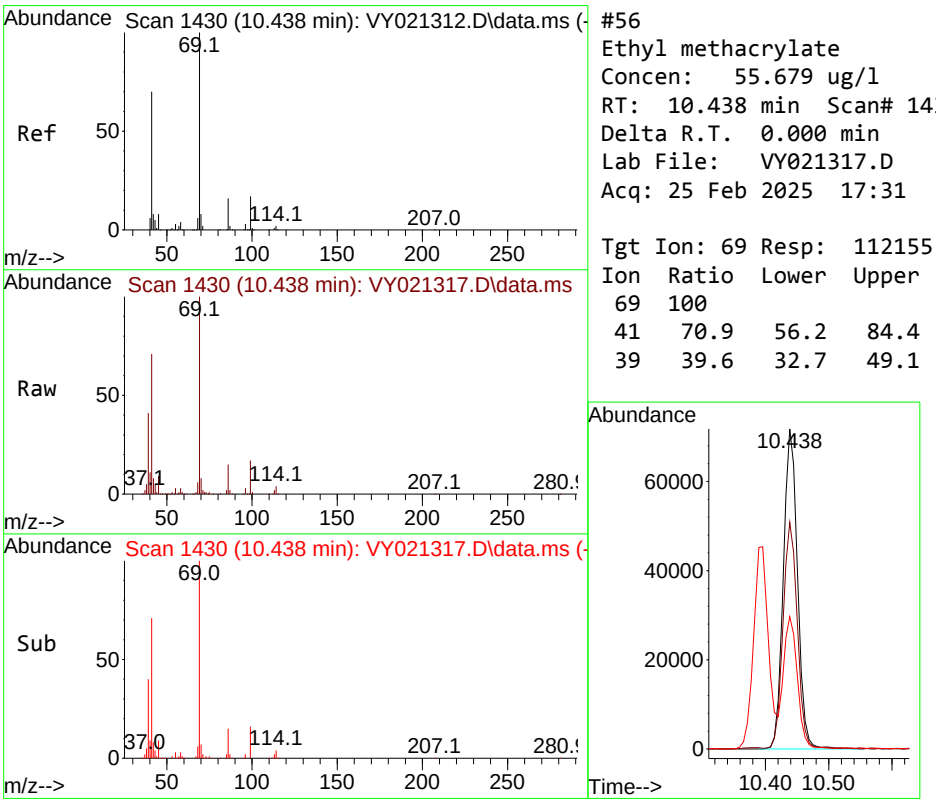
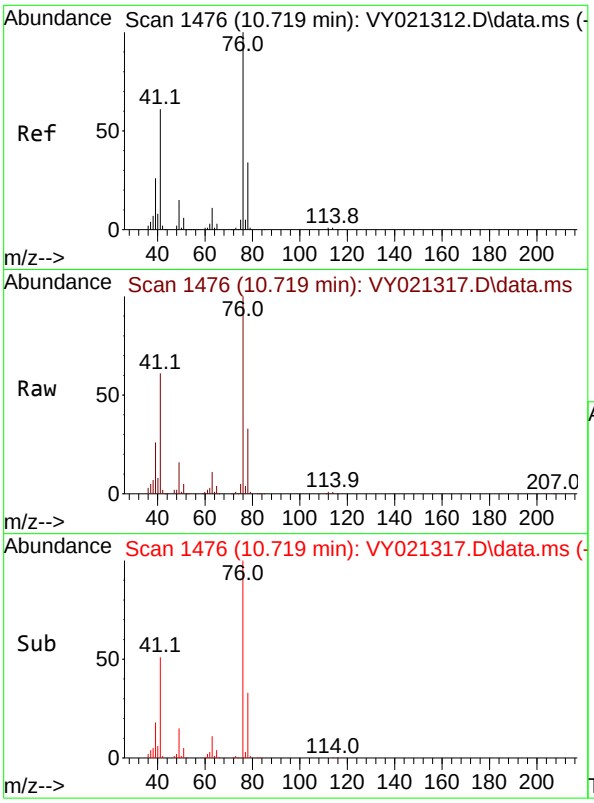


#56
Ethyl methacrylate
Concen: 55.679 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 69 Resp: 112155

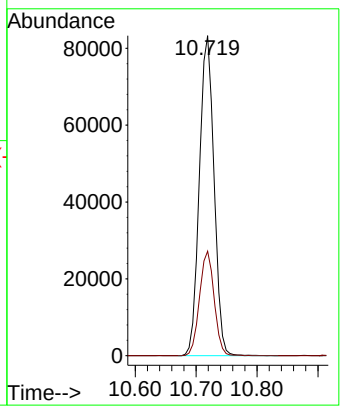
Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.2	84.4
39	39.6	32.7	49.1



#57
1,3-Dichloropropane
Concen: 54.438 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 76 Resp: 13925

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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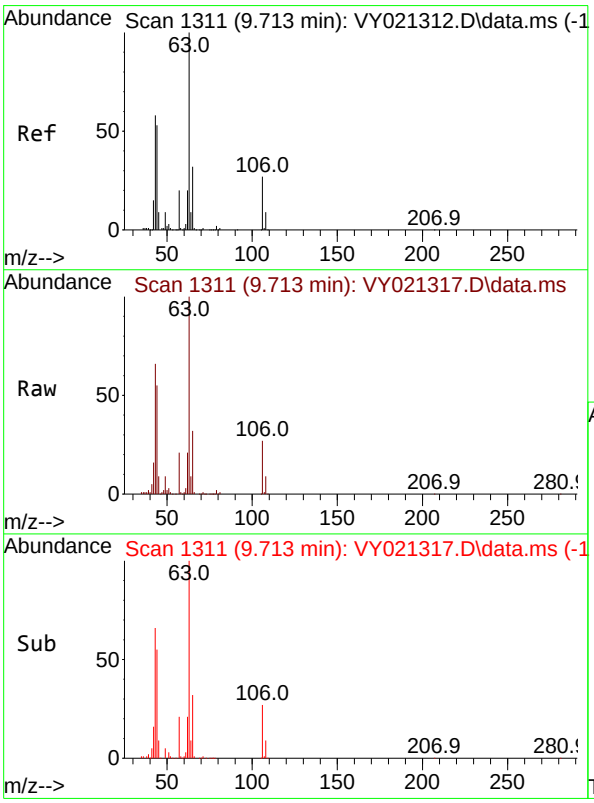
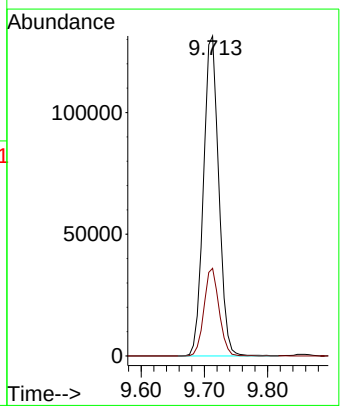
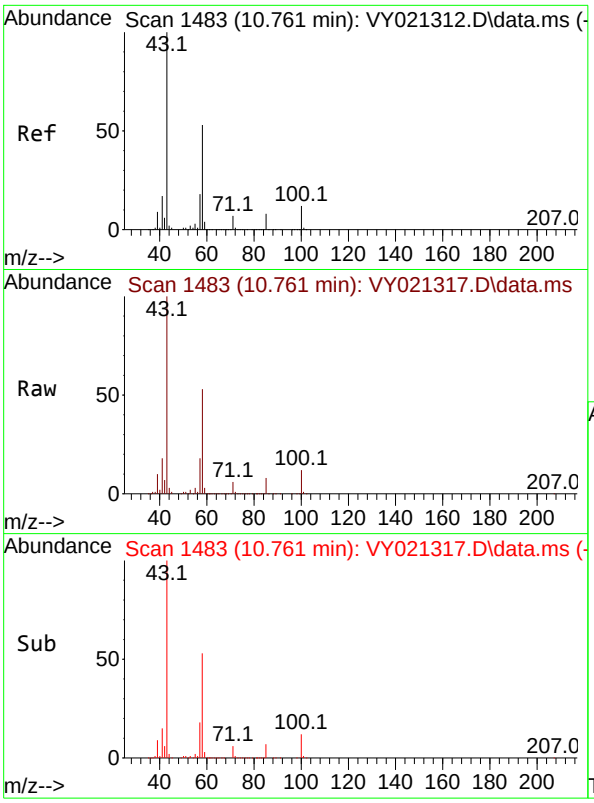


#58
2-Chloroethyl Vinyl ether
Concen: 228.990 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 221395

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.7	32.5

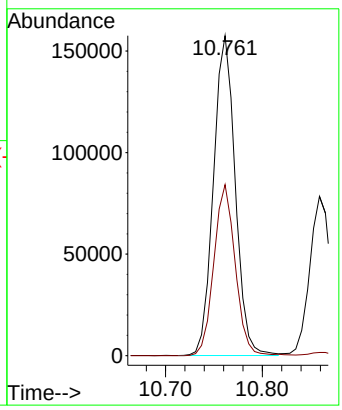




#59
2-Hexanone
Concen: 264.133 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 24603

Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.9	77.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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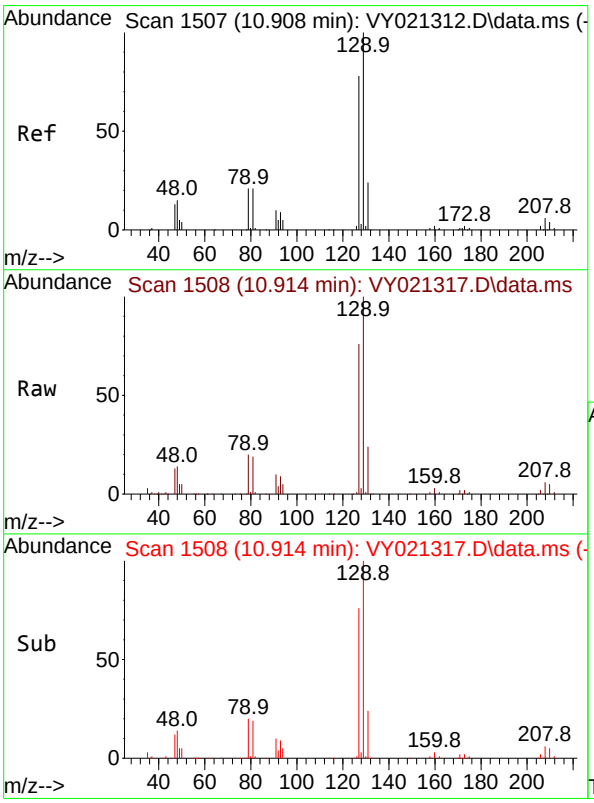
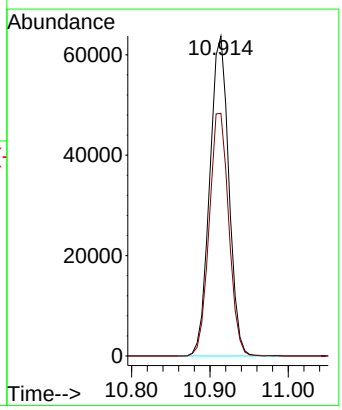
Supervised By :Mahesh Dadoda 02/26/2025

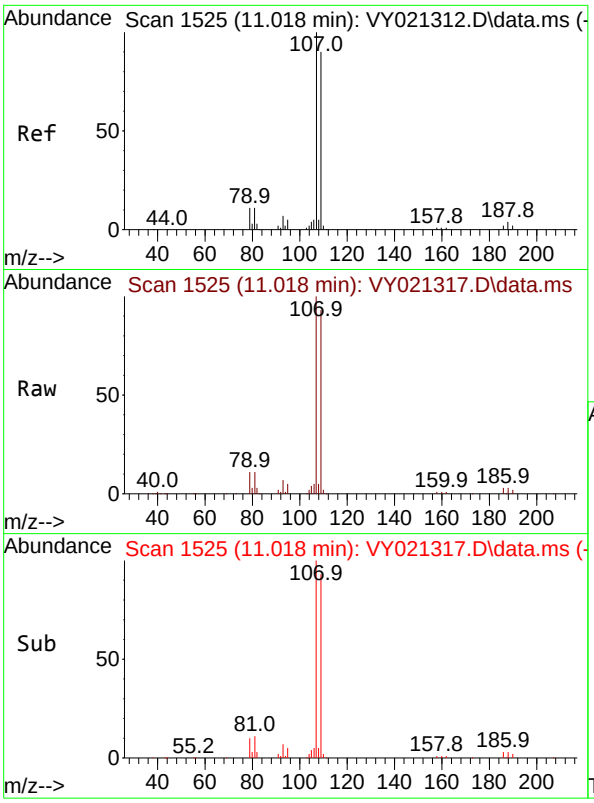


#60
Dibromochloromethane
Concen: 54.329 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:129 Resp: 107866

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4

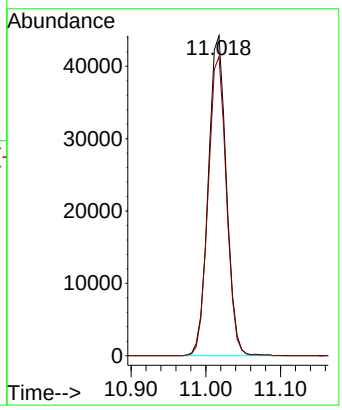




#61
1,2-Dibromoethane
Concen: 53.942 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:107 Resp: 7444

Ion	Ratio	Lower	Upper
107	100		
109	94.1	73.8	110.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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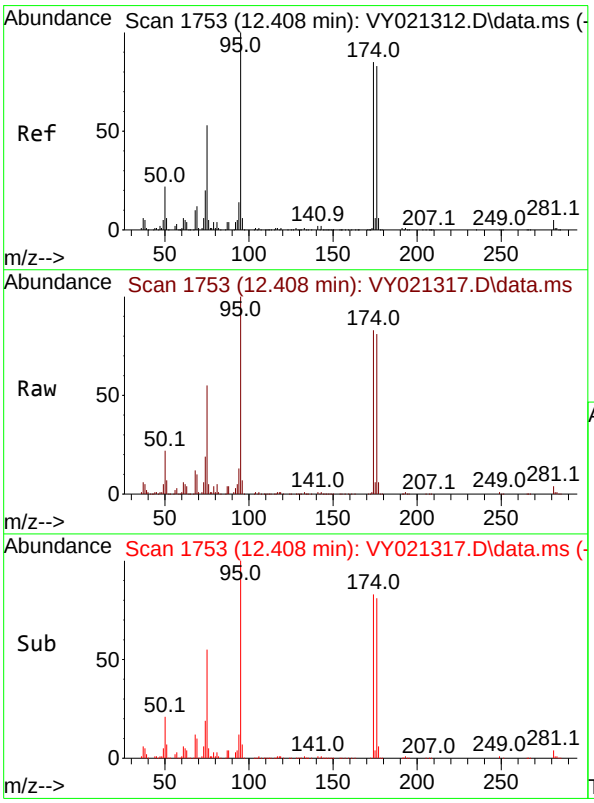
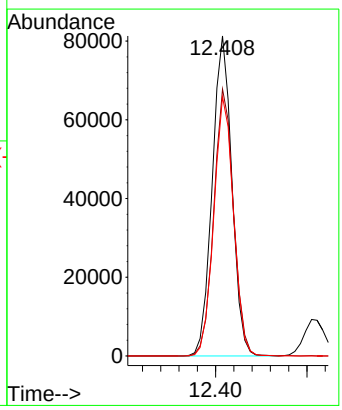
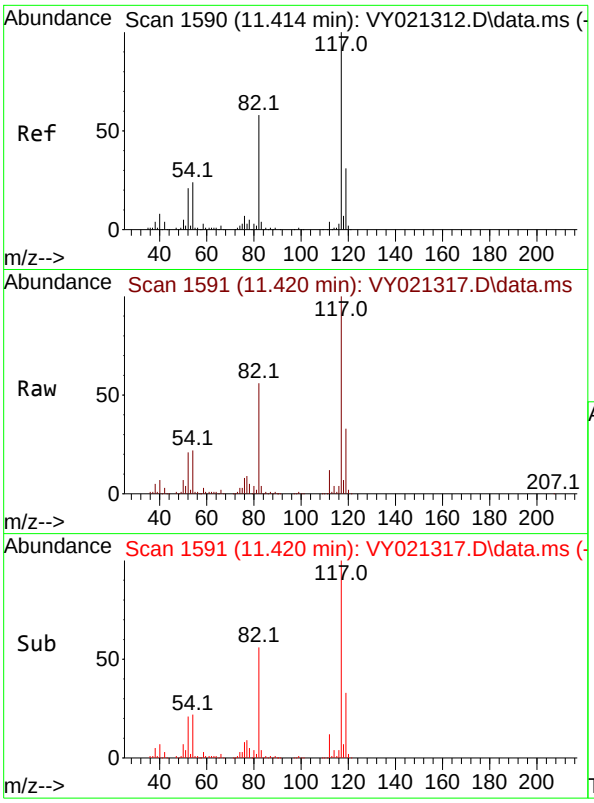


#62
4-Bromofluorobenzene
Concen: 48.549 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 95 Resp: 120972

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	168.0
176	81.4	0.0	162.6

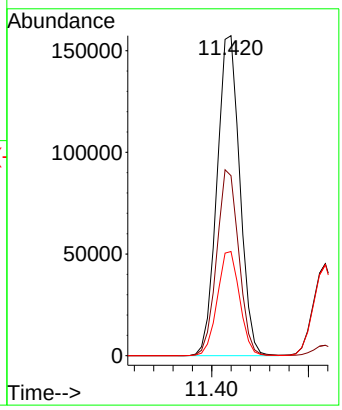




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 25712

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.2	69.4
119	32.5	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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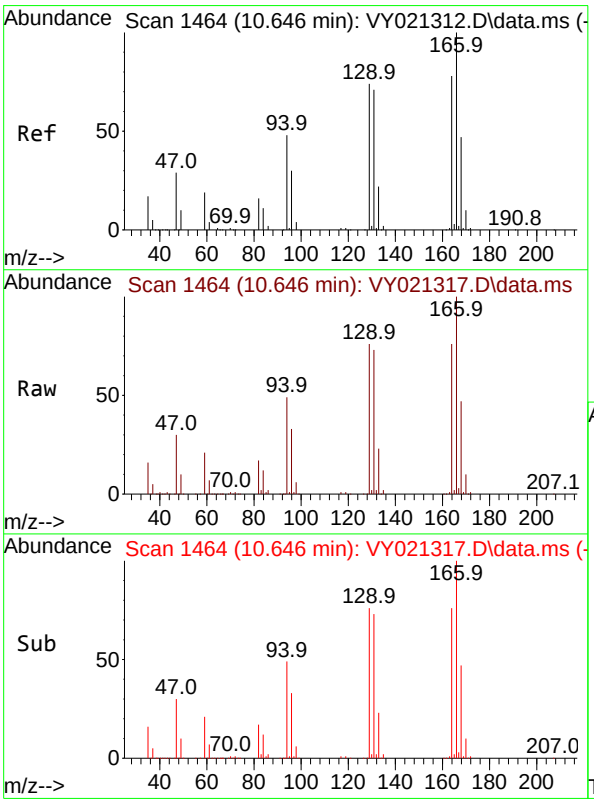
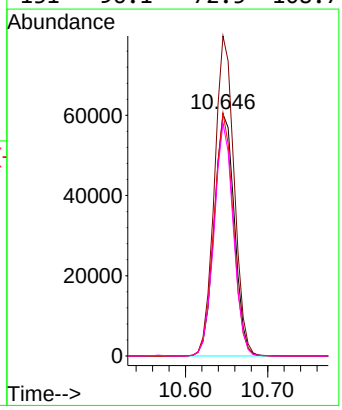
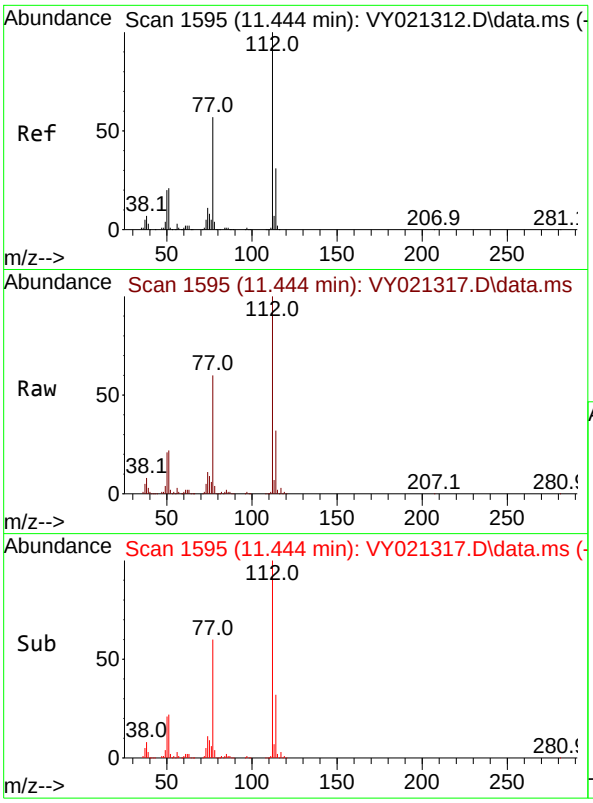


#64
Tetrachloroethene
Concen: 52.940 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:164 Resp: 102887

Ion	Ratio	Lower	Upper
164	100		
166	132.2	101.9	152.9
129	100.4	75.5	113.3
131	96.1	72.5	108.7

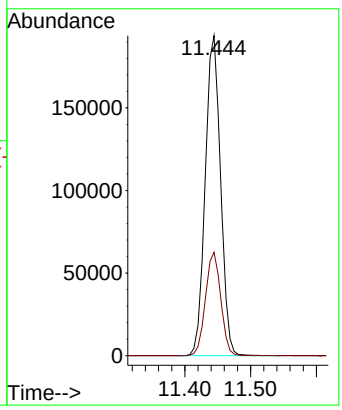




#65
Chlorobenzene
Concen: 54.410 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:112 Resp: 31404

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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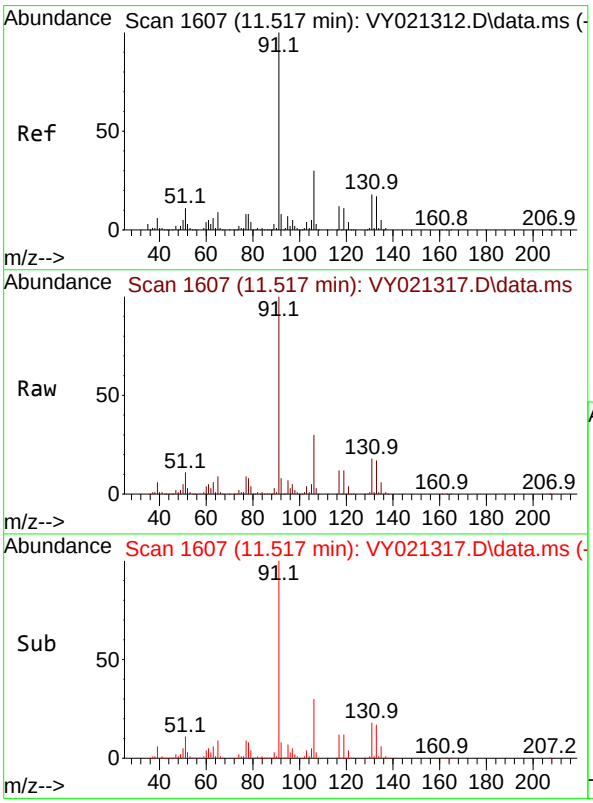
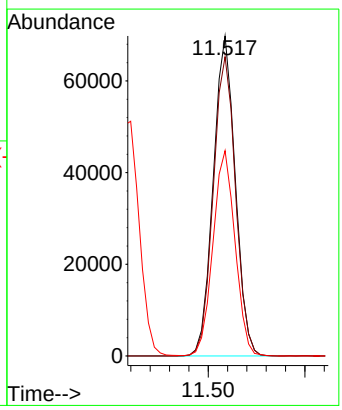
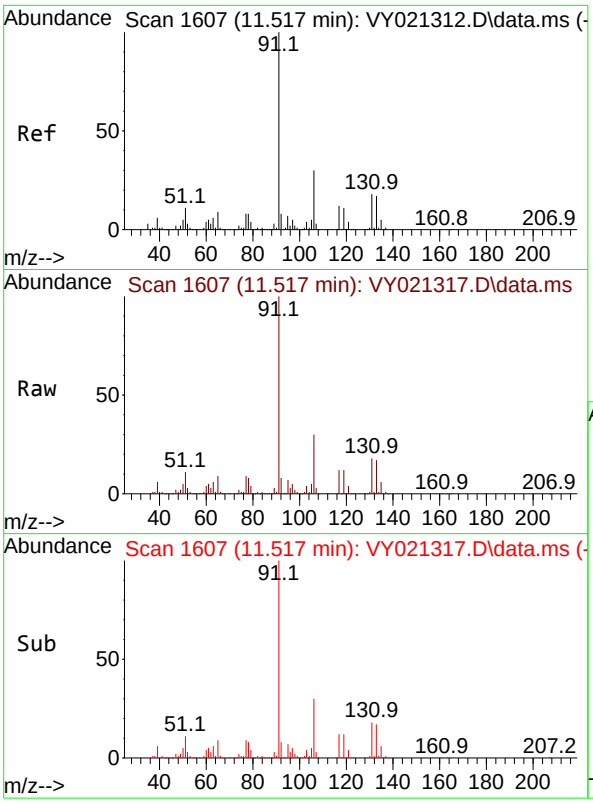


#66
1,1,1,2-Tetrachloroethane
Concen: 54.517 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:131 Resp: 110179

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.9	143.6
119	64.3	31.7	95.1

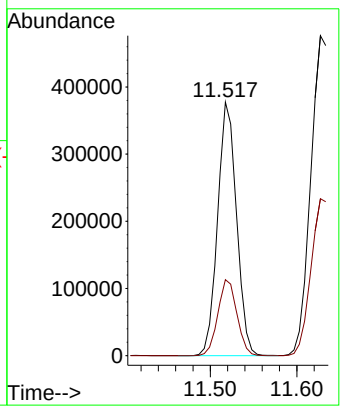




#67
Ethyl Benzene
Concen: 55.992 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 57242

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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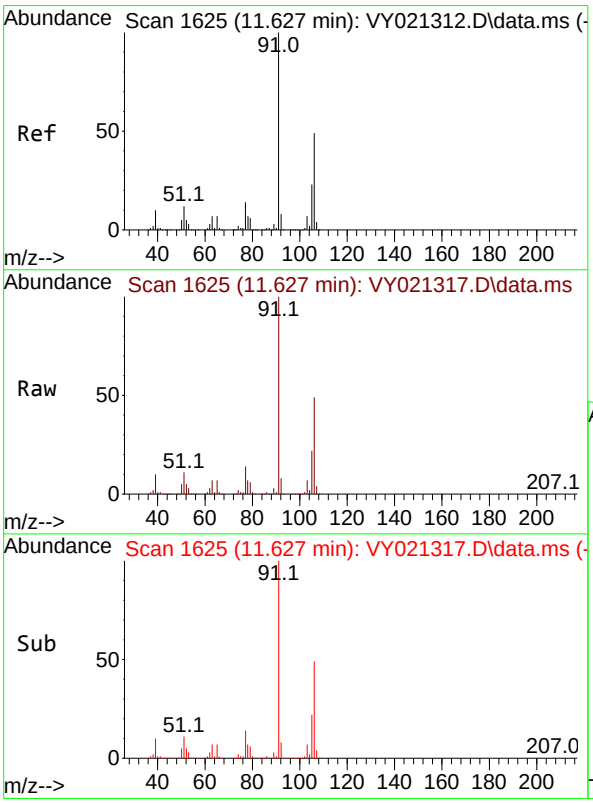
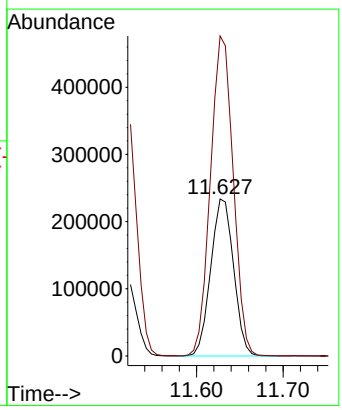
Supervised By :Mahesh Dadoda 02/26/2025

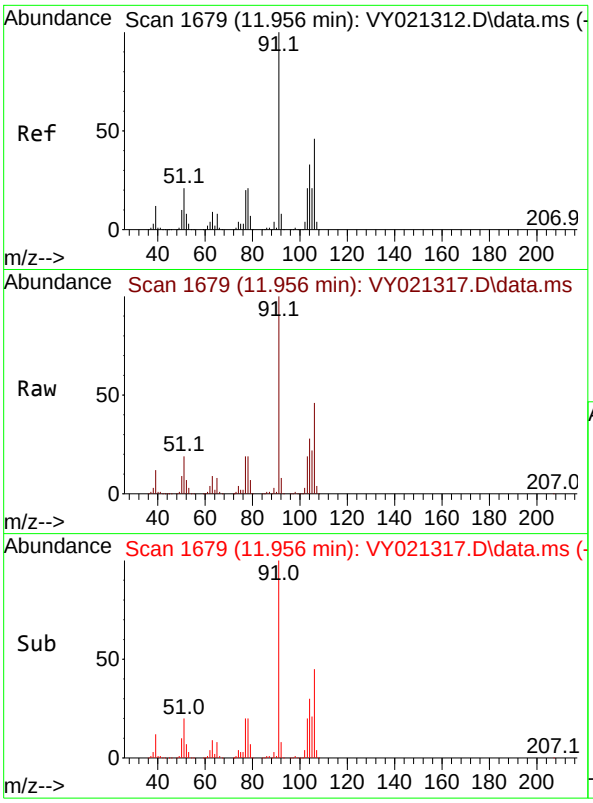


#68
m/p-Xylenes
Concen: 111.274 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:106 Resp: 427892

Ion	Ratio	Lower	Upper
106	100		
91	203.4	163.9	245.9

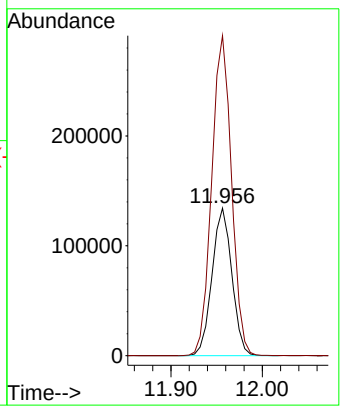




#69
o-Xylene
Concen: 56.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:106 Resp: 20212

Ion	Ratio	Lower	Upper
106	100		
91	217.2	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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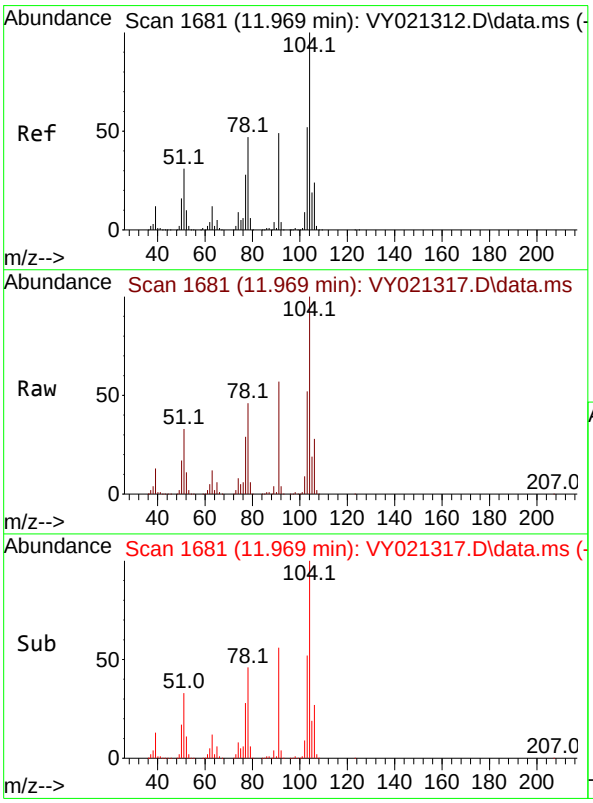
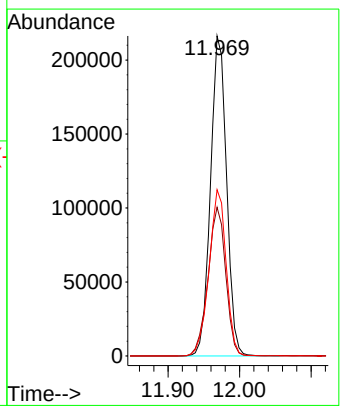
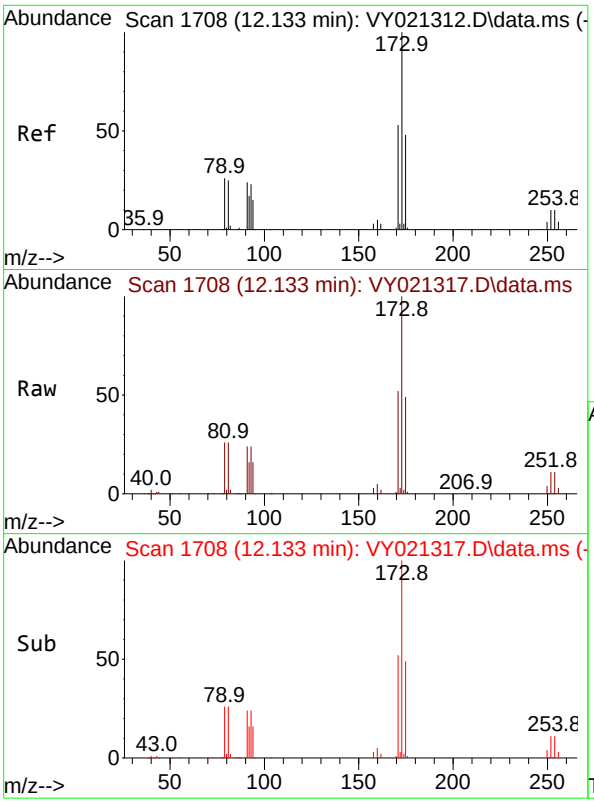


#70
Styrene
Concen: 56.307 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:104 Resp: 337489

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.3	61.9
103	55.3	43.9	65.9

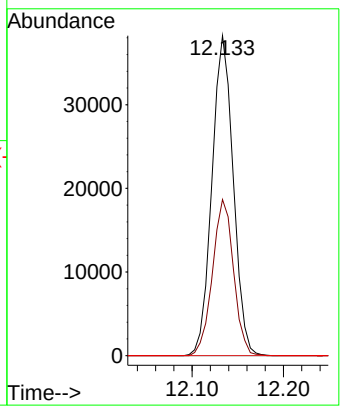




#71
Bromoform
Concen: 53.590 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:173 Resp: 6195

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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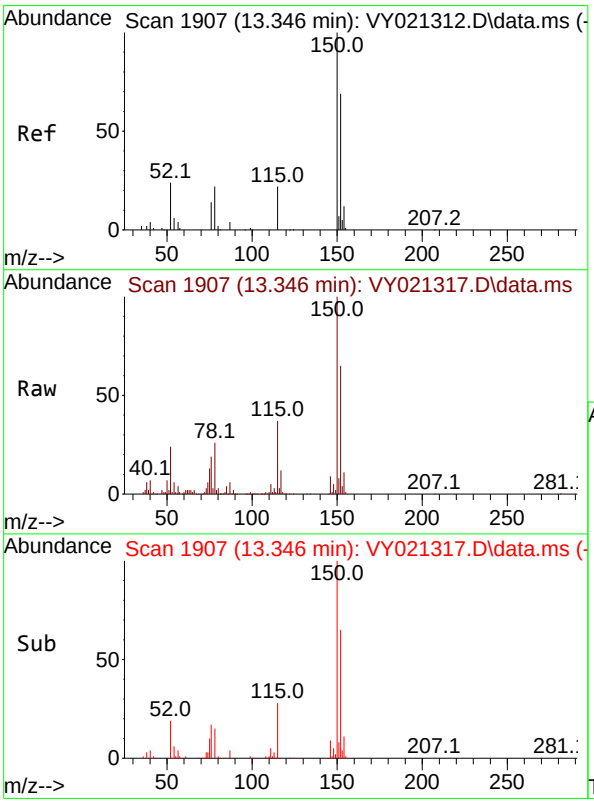
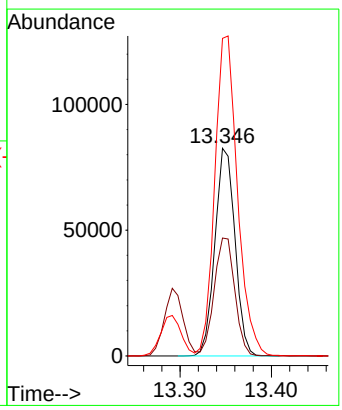
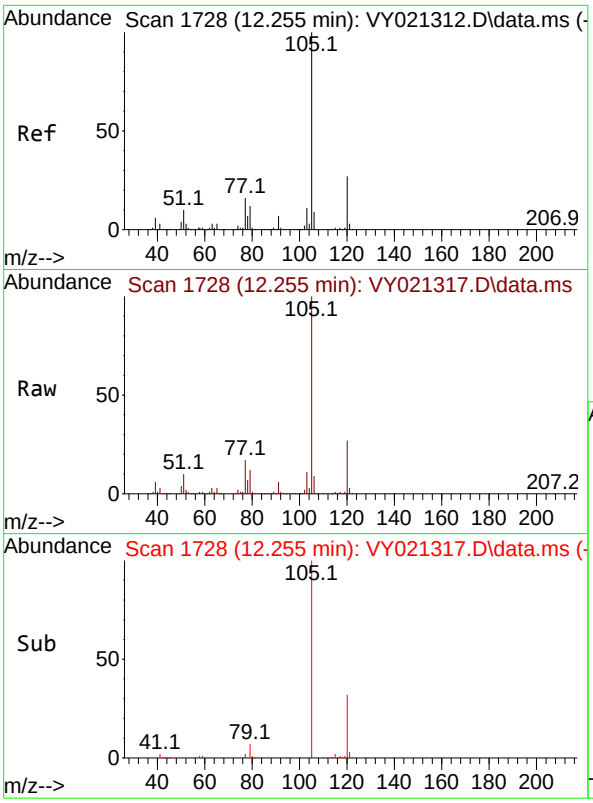


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:152 Resp: 126299

Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.3	88.0
150	174.2	0.0	347.4

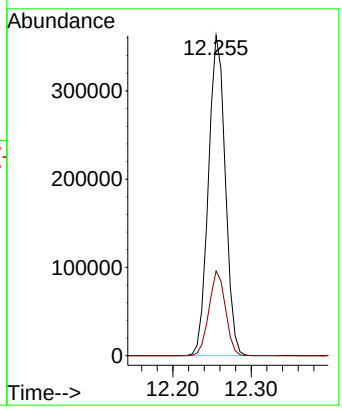




#73
Isopropylbenzene
Concen: 56.974 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 54097

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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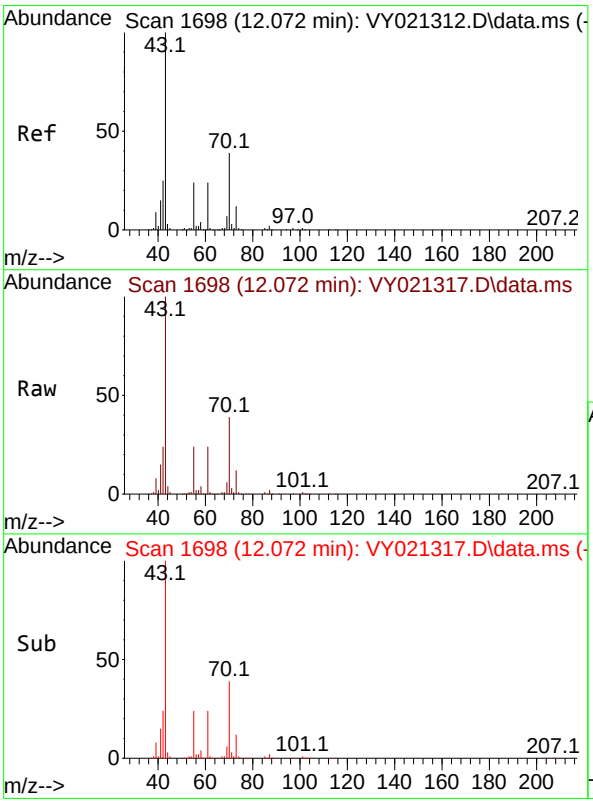
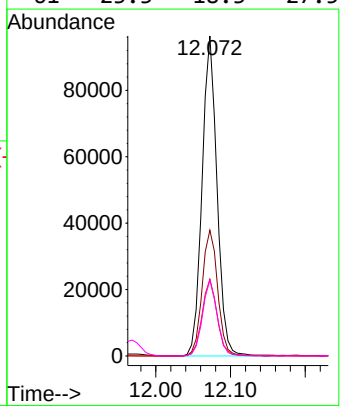
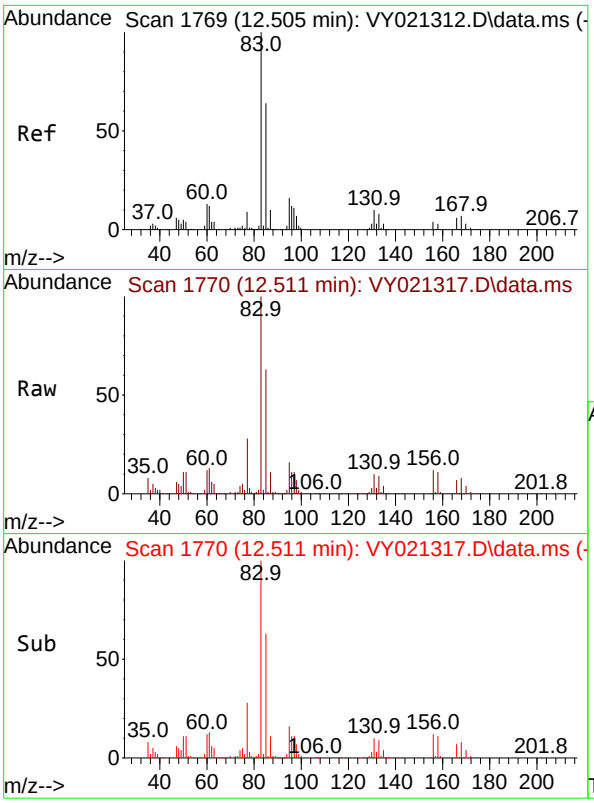


#74
N-amyl acetate
Concen: 55.509 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 133968

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.2	48.2
55	24.2	19.6	29.4
61	23.3	18.3	27.5

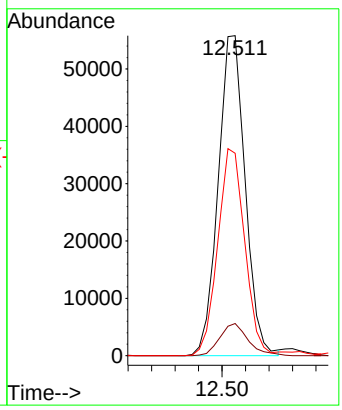




#75
1,1,2,2-Tetrachloroethane
Concen: 53.254 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 8924

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.7	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Manual Integrations
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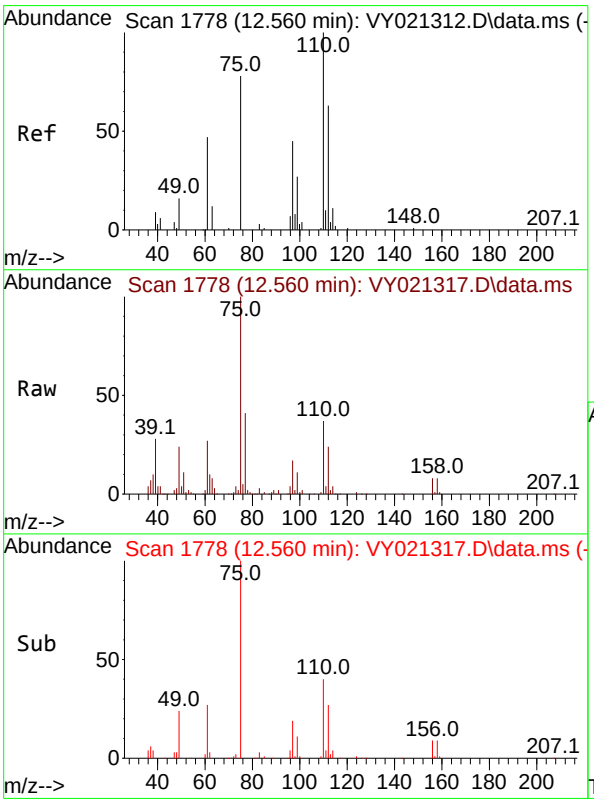
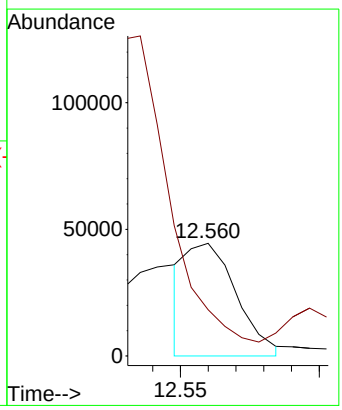
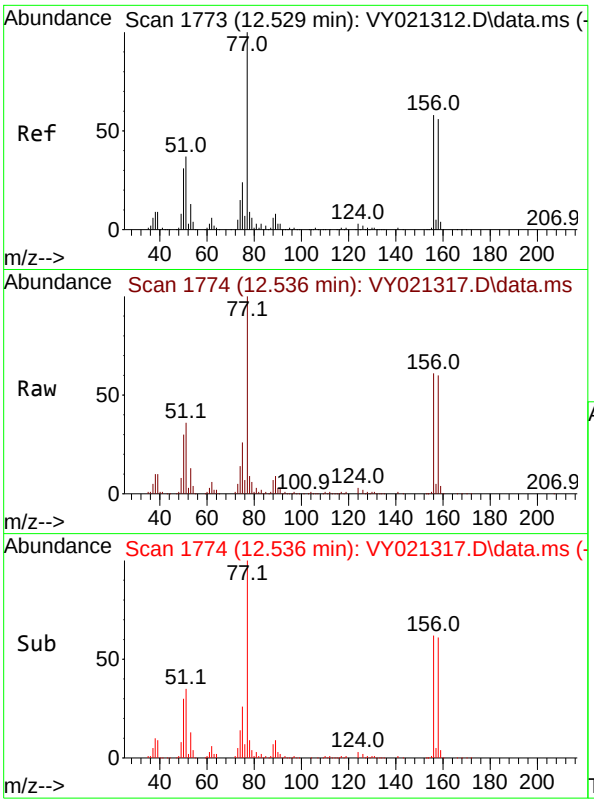


#76
1,2,3-Trichloropropane
Concen: 44.570 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 56345

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

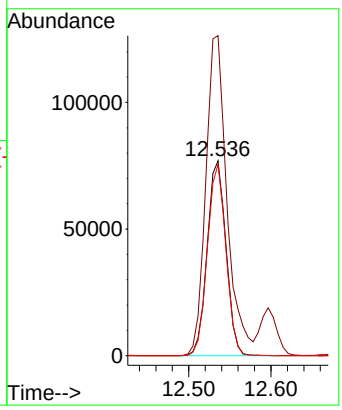




#77
Bromobenzene
Concen: 55.296 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:156 Resp: 12212

Ion	Ratio	Lower	Upper
156	100		
77	185.0	94.0	282.1
158	96.6	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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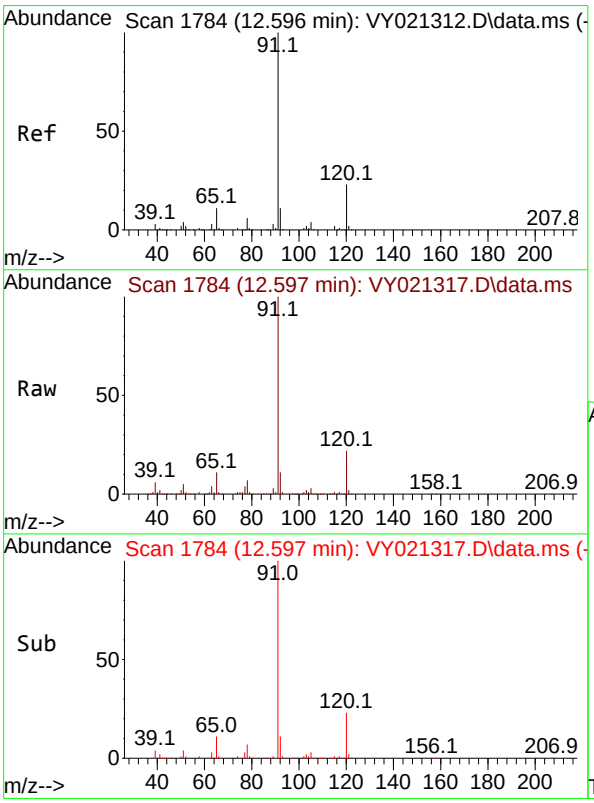
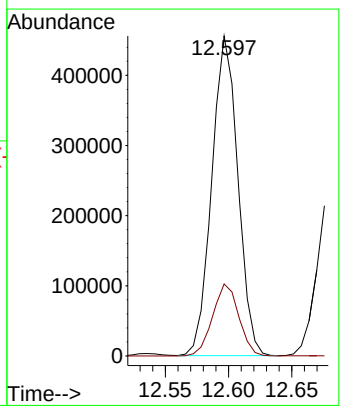
Reviewed By :Romaben Patel 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

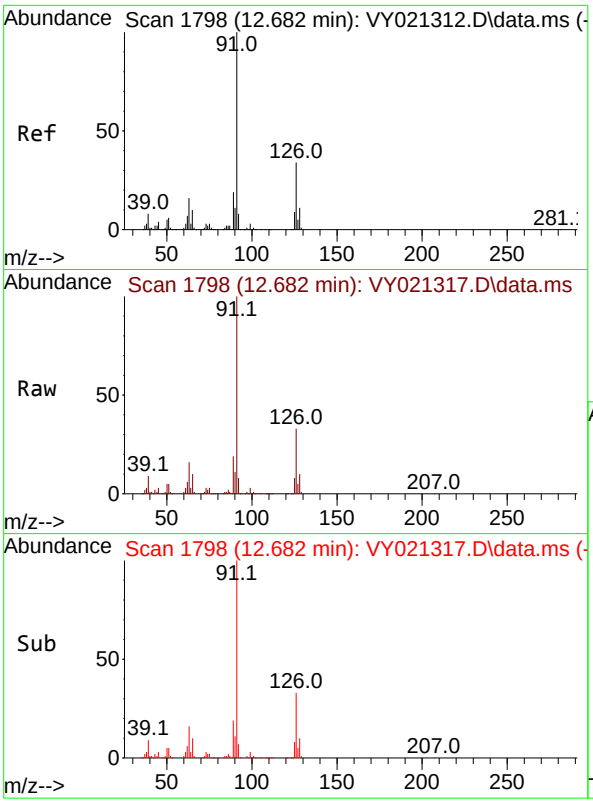


#78
n-propylbenzene
Concen: 56.783 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 654255

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5

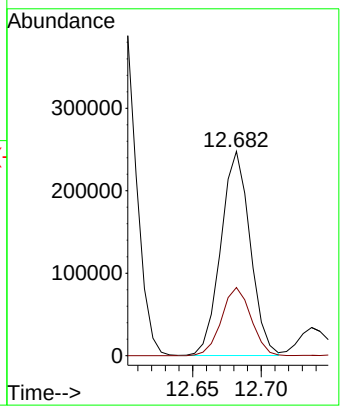




#79
2-Chlorotoluene
Concen: 55.813 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 36906

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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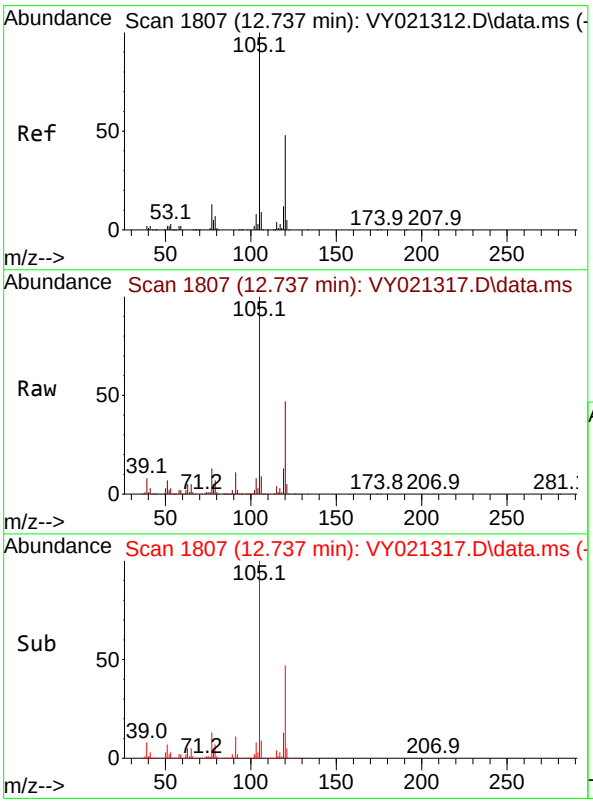
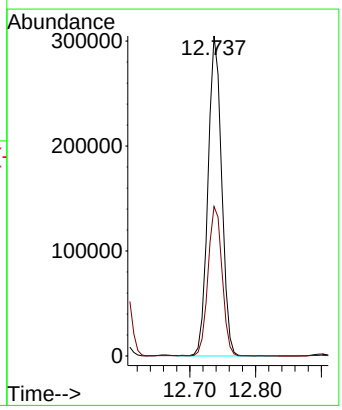
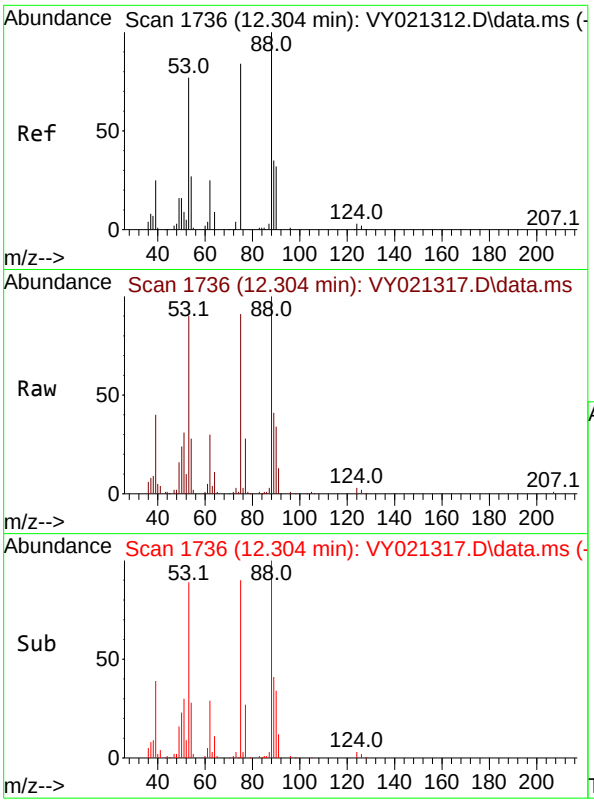


#80
1,3,5-Trimethylbenzene
Concen: 56.549 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 440379

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	73.0

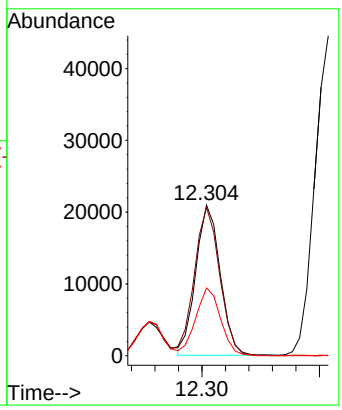




#81
trans-1,4-Dichloro-2-butene
Concen: 53.216 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 3026

Ion	Ratio	Lower	Upper
75	100		
53	103.4	79.1	118.7
89	45.8	35.6	53.4



Instrument :
MSVOA_Y
ClientSampleId :
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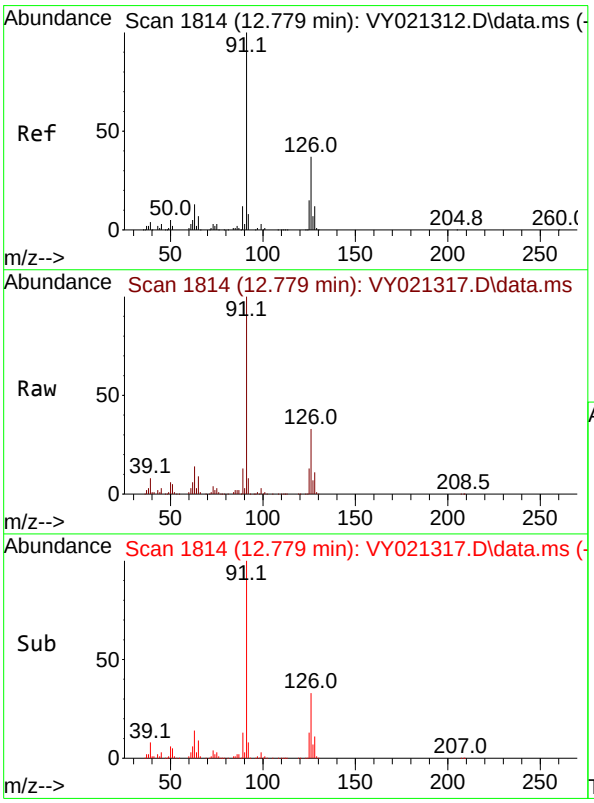
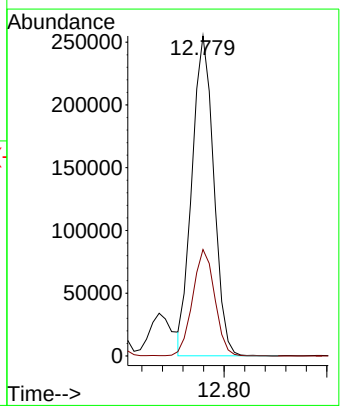
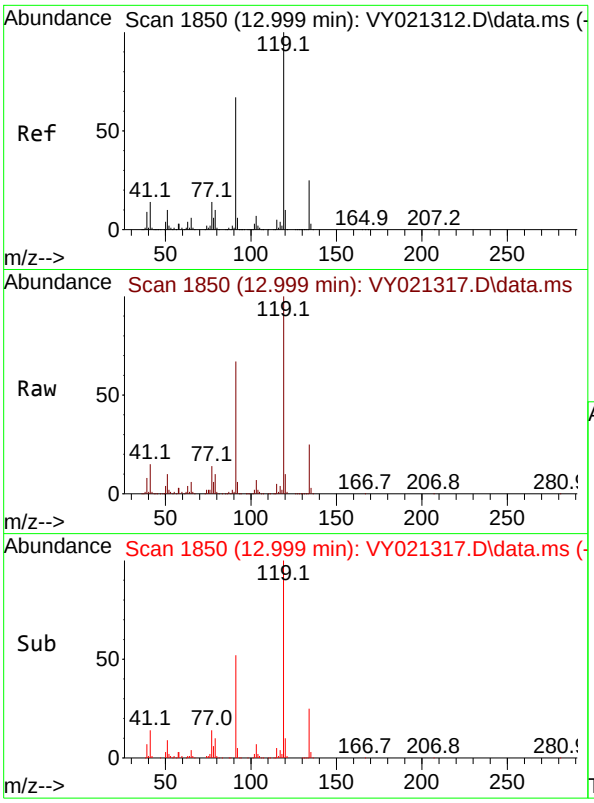


#82
4-Chlorotoluene
Concen: 54.757 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 375340

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.4

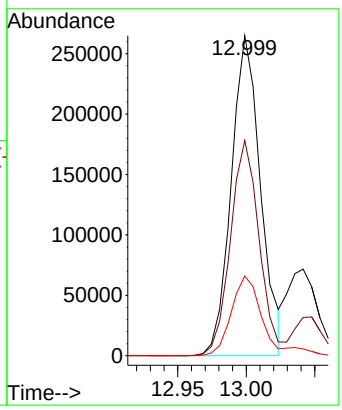




#83
tert-Butylbenzene
Concen: 55.900 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:119 Resp: 39322

Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	26.8	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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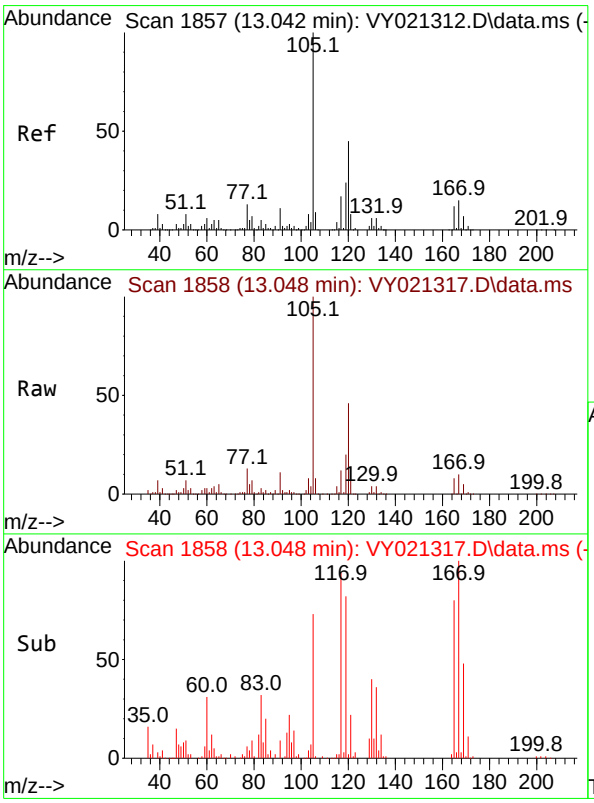
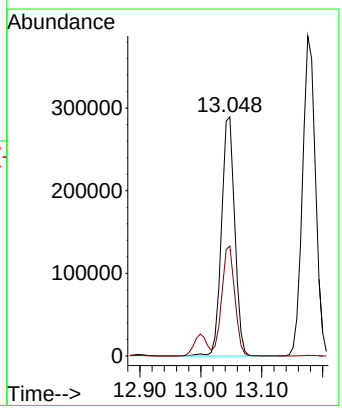
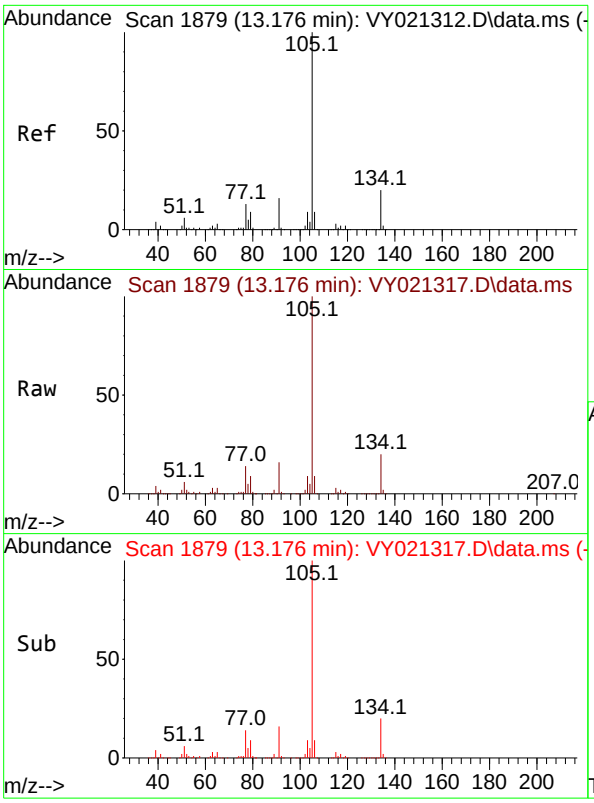


#84
1,2,4-Trimethylbenzene
Concen: 56.621 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 438538

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3

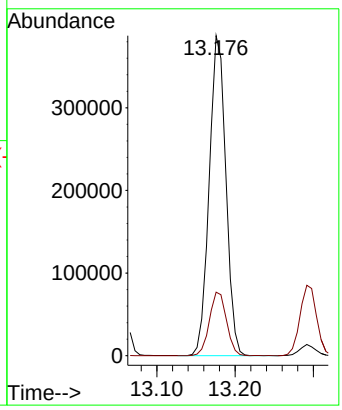




#85
sec-Butylbenzene
Concen: 55.655 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 57187

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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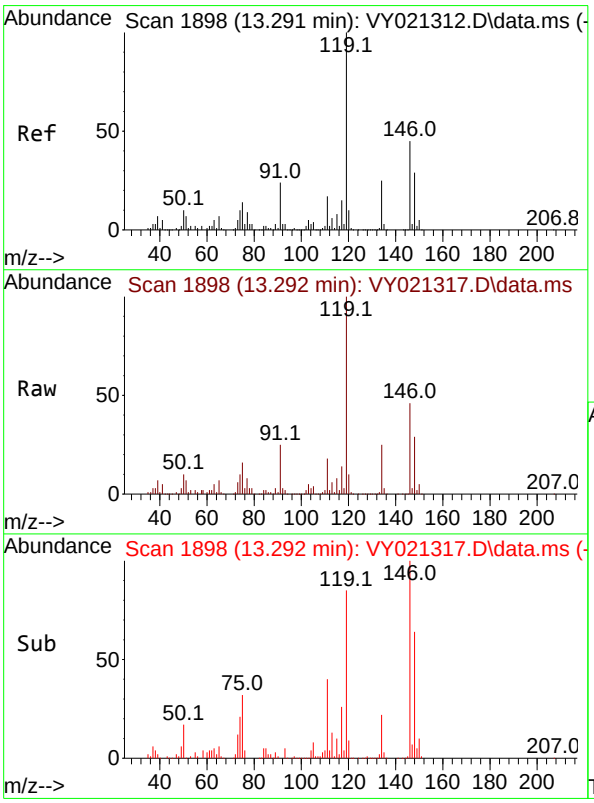
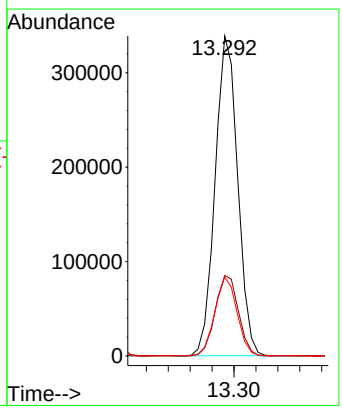
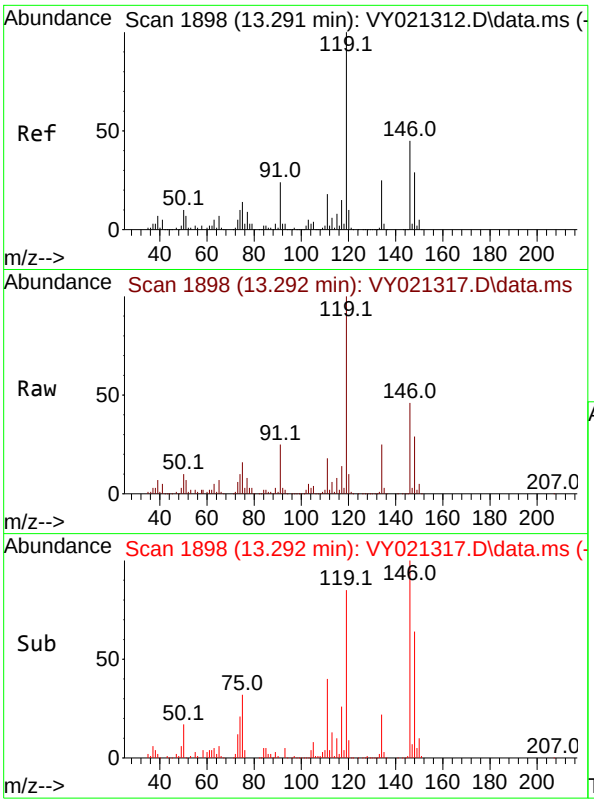


#86
p-Isopropyltoluene
Concen: 56.427 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:119 Resp: 484140

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.2	12.0	36.1

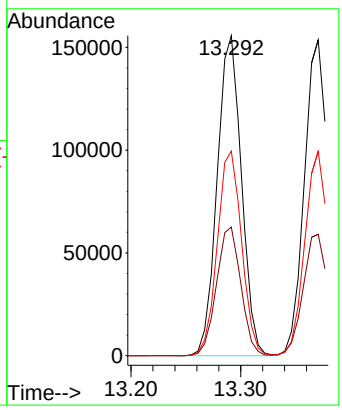




#87
1,3-Dichlorobenzene
Concen: 54.800 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 23940

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	64.1	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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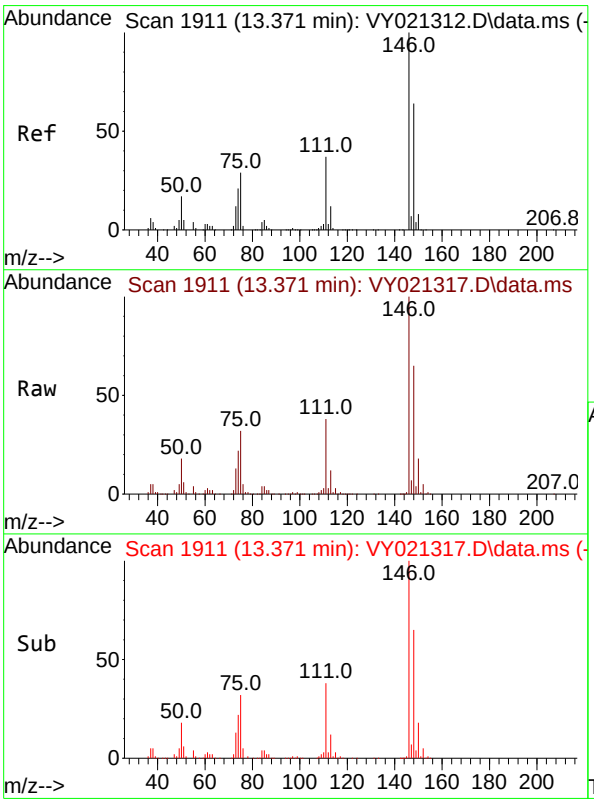
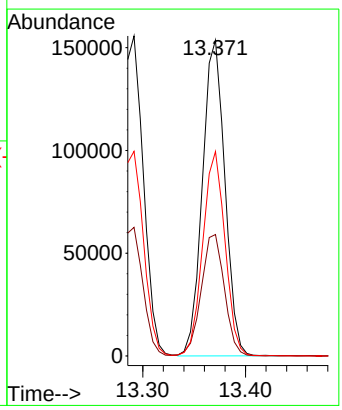
Supervised By :Mahesh Dadoda 02/26/2025

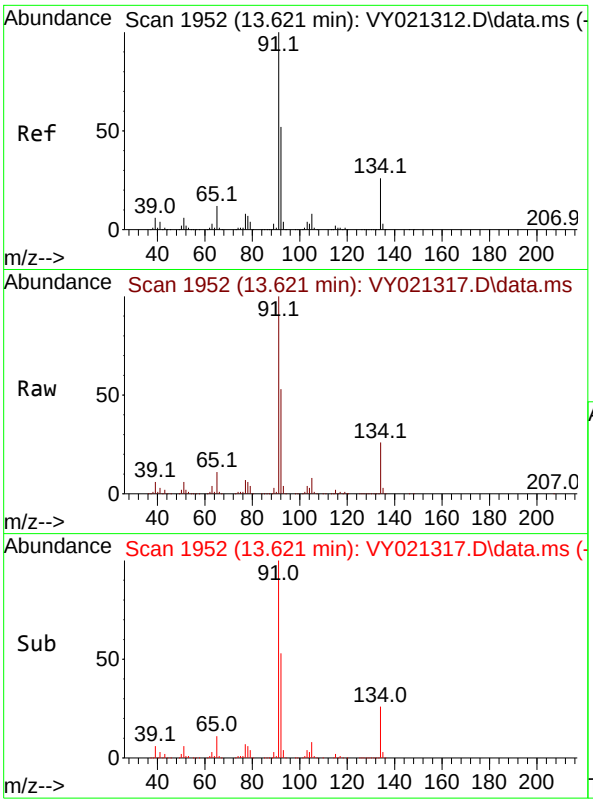


#88
1,4-Dichlorobenzene
Concen: 54.098 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 233477

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	64.2	32.0	96.2

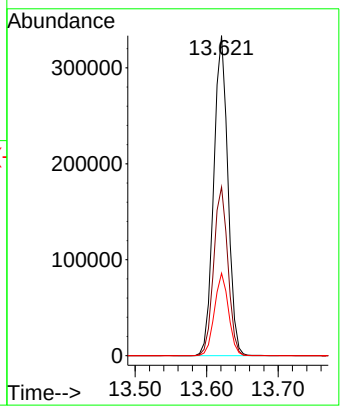




#89
n-Butylbenzene
Concen: 56.856 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 45906

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.6	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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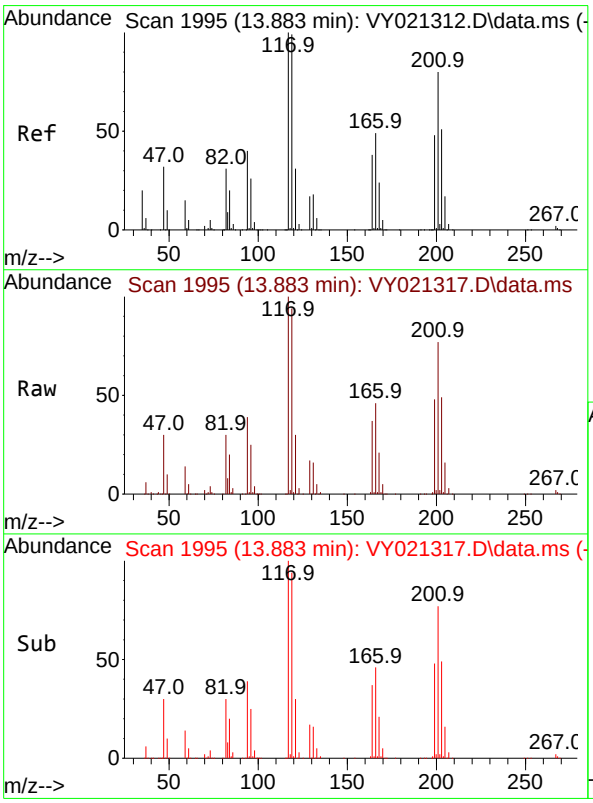
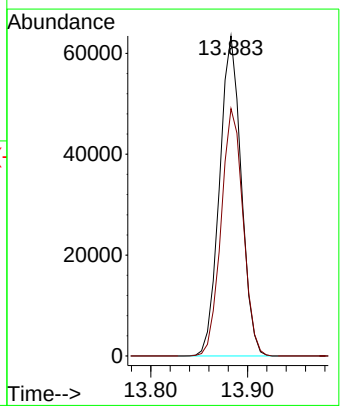
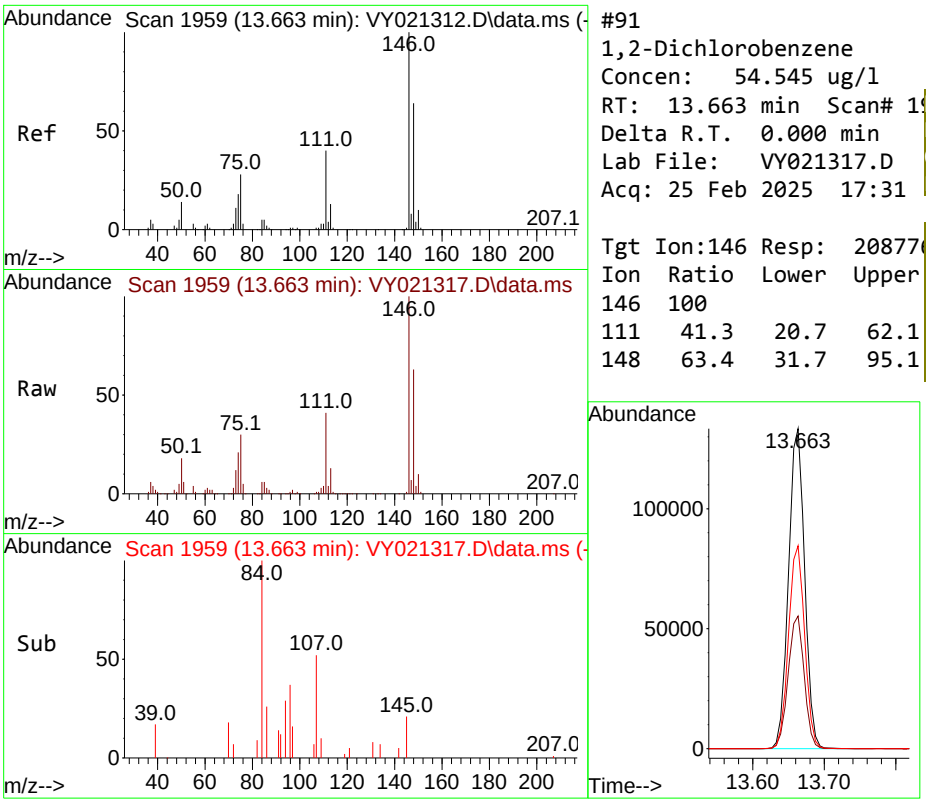


#90
Hexachloroethane
Concen: 55.035 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 98634

Ion	Ratio	Lower	Upper
117	100		
201	78.0	38.4	115.2





#91
1,2-Dichlorobenzene
Concen: 54.545 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 20877

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.4	31.7	95.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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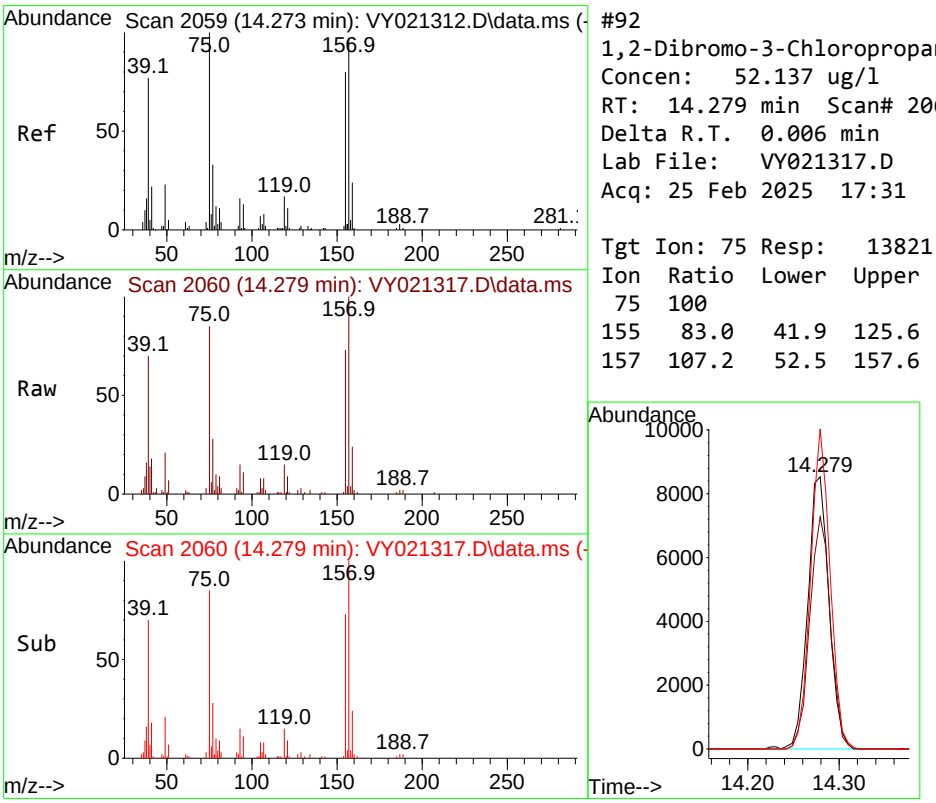
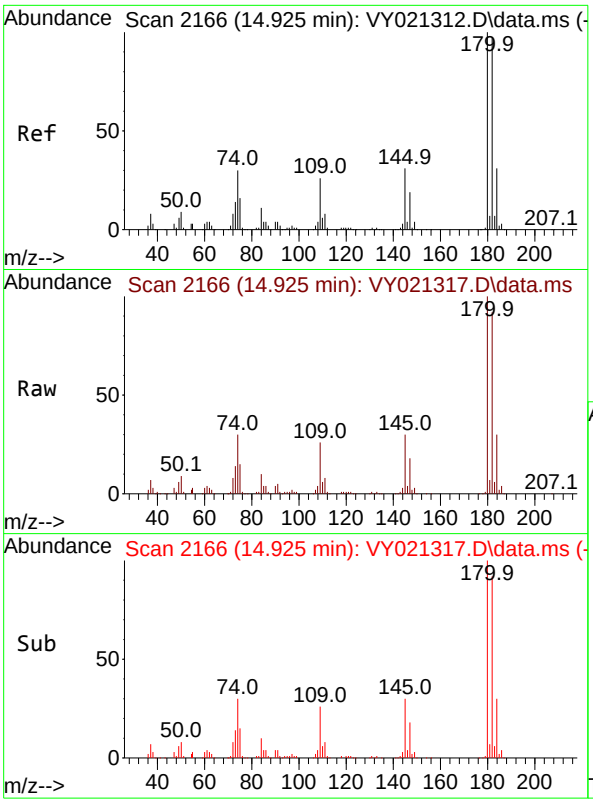


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.137 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 13821

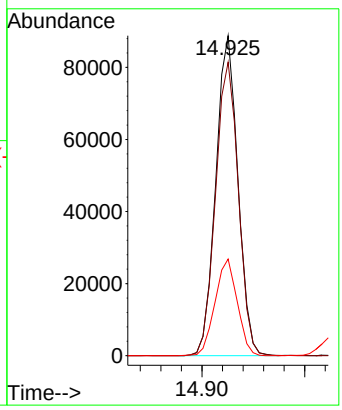
Ion	Ratio	Lower	Upper
75	100		
155	83.0	41.9	125.6
157	107.2	52.5	157.6



#93
1,2,4-Trichlorobenzene
Concen: 56.703 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:180 Resp: 13246

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	30.3	15.6	46.8



Instrument :
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ClientSampleId :
ICVVY022525

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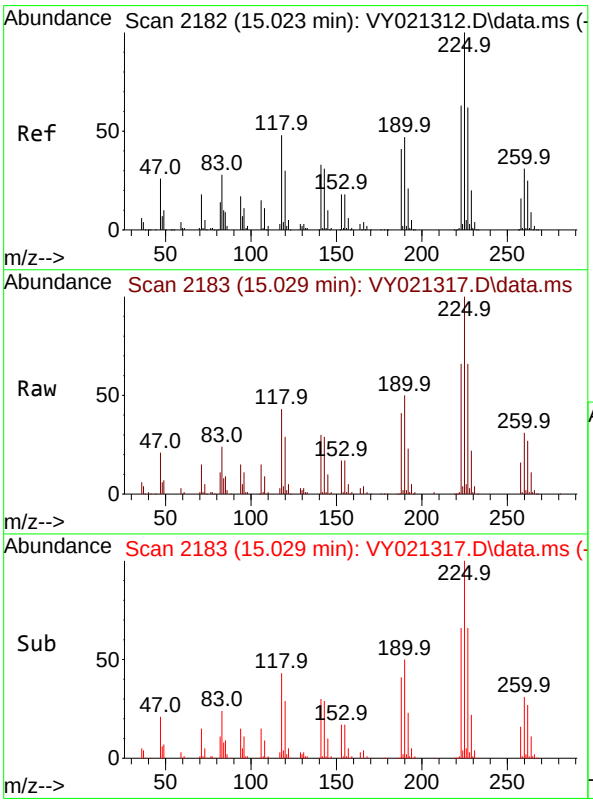
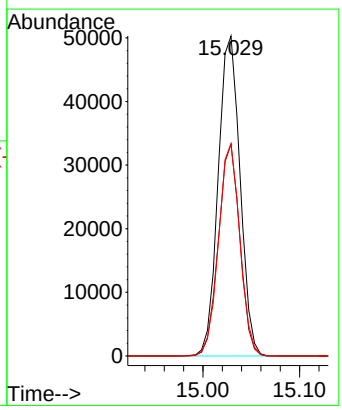
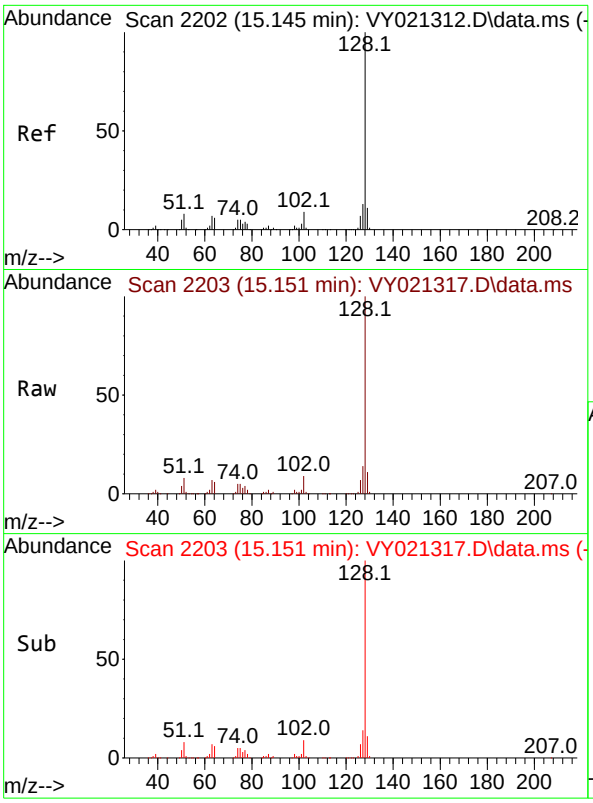


#94
Hexachlorobutadiene
Concen: 53.541 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:225 Resp: 78745

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.8	95.4
227	64.6	31.9	95.7

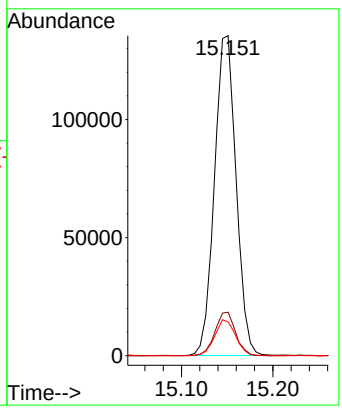




#95
Naphthalene
Concen: 57.589 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:128 Resp: 22283

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

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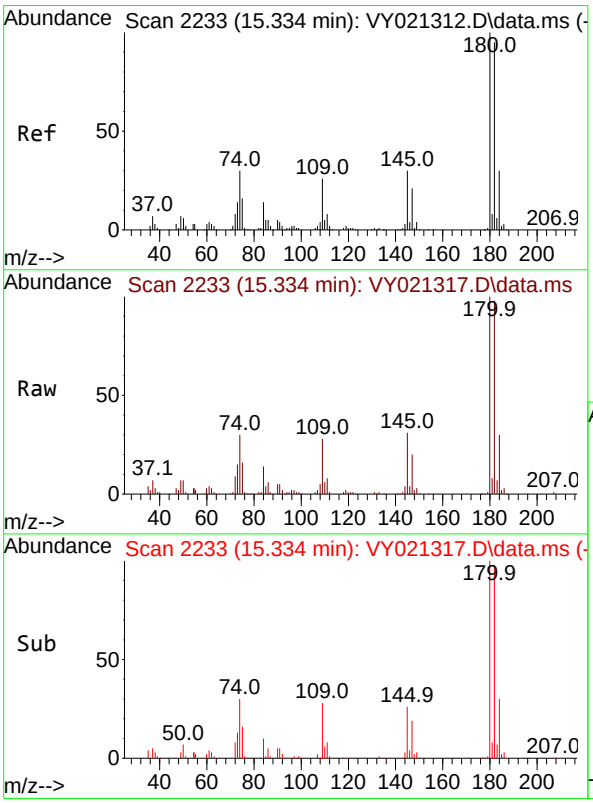
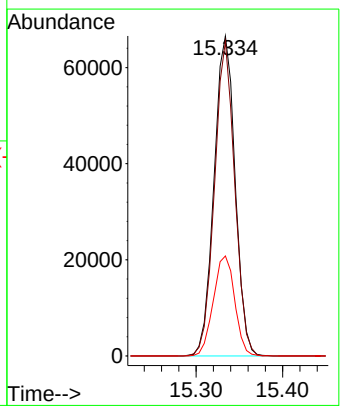


#96
1,2,3-Trichlorobenzene
Concen: 56.980 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:180 Resp: 112466

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.3	144.9
145	31.7	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	0.474	0.511	-7.8	109	0.00
3	P	Chloromethane	0.612	0.655	-7.0	114	0.00
4	C	Vinyl Chloride	0.601	0.663	-10.3#	111	0.00
5	T	Bromomethane	0.399	0.419	-5.0	114	0.00
6	T	Chloroethane	0.373	0.408	-9.4	110	0.00
7	T	Trichlorofluoromethane	0.908	0.969	-6.7	108	0.00
8	T	Diethyl Ether	0.272	0.299	-9.9	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.525	0.569	-8.4	111	0.00
10	T	Methyl Iodide	0.553	0.678	-22.6	112	0.00
11	T	Tert butyl alcohol	0.044	0.039	11.4	101	0.00
12	CM	1,1-Dichloroethene	0.503	0.544	-8.2#	111	0.00
13	T	Acrolein	0.033	0.007	78.8#	108	0.00
14	T	Allyl chloride	0.892	0.988	-10.8	112	0.00
15	T	Acrylonitrile	0.120	0.129	-7.5	106	0.00
16	T	Acetone	0.109	0.099	9.2	81	0.00
17	T	Carbon Disulfide	1.671	1.824	-9.2	110	0.00
18	T	Methyl Acetate	0.266	0.279	-4.9	106	0.00
19	T	Methyl tert-butyl Ether	1.329	1.444	-8.7	107	0.00
20	T	Methylene Chloride	0.588	0.601	-2.2	108	0.00
21	T	trans-1,2-Dichloroethene	0.554	0.610	-10.1	111	0.00
22	T	Diisopropyl ether	1.846	2.052	-11.2	110	0.00
23	T	Vinyl Acetate	1.103	1.214	-10.1	107	0.00
24	P	1,1-Dichloroethane	1.040	1.144	-10.0	111	0.00
25	T	2-Butanone	0.164	0.166	-1.2	95	0.00
26	T	2,2-Dichloropropane	0.944	1.017	-7.7	110	0.00
27	T	cis-1,2-Dichloroethene	0.632	0.712	-12.7	112	0.00
28	T	Bromochloromethane	0.460	0.437	5.0	101	0.00
29	T	Tetrahydrofuran	0.107	0.112	-4.7	102	0.00
30	C	Chloroform	1.054	1.160	-10.1#	111	0.00
31	T	Cyclohexane	1.000	1.044	-4.4	111	0.00
32	T	1,1,1-Trichloroethane	0.960	1.057	-10.1	112	0.00
33	S	1,2-Dichloroethane-d4	0.567	0.538	5.1	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
35	S	Dibromofluoromethane	0.328	0.321	2.1	106	0.00
36	T	1,1-Dichloropropene	0.492	0.538	-9.3	112	0.00
37	T	Ethyl Acetate	0.245	0.249	-1.6	104	0.00
38	T	Carbon Tetrachloride	0.554	0.600	-8.3	111	0.00
39	T	Methylcyclohexane	0.623	0.678	-8.8	110	0.00
40	TM	Benzene	1.456	1.589	-9.1	111	0.00
41	T	Methacrylonitrile	0.137	0.135	1.5	99	0.00
42	TM	1,2-Dichloroethane	0.413	0.444	-7.5	110	0.00
43	T	Isopropyl Acetate	0.474	0.497	-4.9	104	0.00
44	TM	Trichloroethene	0.364	0.400	-9.9	112	0.00
45	C	1,2-Dichloropropane	0.350	0.382	-9.1#	110	0.00
46	T	Dibromomethane	0.191	0.209	-9.4	110	0.00
47	T	Bromodichloromethane	0.511	0.556	-8.8	110	0.00
48	T	Methyl methacrylate	0.222	0.244	-9.9	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	107	0.00
50	S	Toluene-d8	1.267	1.234	2.6	106	0.00
51	T	4-Methyl-2-Pentanone	0.243	0.255	-4.9	102	0.00
52	CM	Toluene	0.904	1.007	-11.4#	112	0.00
53	T	t-1,3-Dichloropropene	0.468	0.521	-11.3	108	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.612	-10.9	111	0.00
55	T	1,1,2-Trichloroethane	0.249	0.266	-6.8	107	0.00
56	T	Ethyl methacrylate	0.345	0.384	-11.3	105	0.00
57	T	1,3-Dichloropropane	0.438	0.477	-8.9	109	0.00
58	T	2-Chloroethyl Vinyl ether	0.165	0.152	7.9	85	0.00
59	T	2-Hexanone	0.159	0.168	-5.7	99	0.00
60	T	Dibromochloromethane	0.340	0.369	-8.5	108	0.00
61	T	1,2-Dibromoethane	0.236	0.255	-8.1	108	0.00
62	S	4-Bromofluorobenzene	0.426	0.414	2.8	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.378	0.400	-5.8	110	0.00
65	PM	Chlorobenzene	1.122	1.221	-8.8	111	0.00
66	T	1,1,1,2-Tetrachloroethane	0.393	0.429	-9.2	111	0.00
67	C	Ethyl Benzene	1.988	2.226	-12.0#	112	0.00
68	T	m/p-Xylenes	0.748	0.832	-11.2	111	0.00
69	T	o-Xylene	0.701	0.786	-12.1	111	0.00
70	T	Styrene	1.166	1.313	-12.6	110	0.00
71	P	Bromoform	0.225	0.241	-7.1	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	3.759	4.283	-13.9	112	0.00
74	T	N-amyl acetate	0.955	1.061	-11.1	104	0.00
75	P	1,1,2,2-Tetrachloroethane	0.663	0.707	-6.6	105	0.00
76	T	1,2,3-Trichloropropane	0.500	0.446	10.8	88	0.00
77	T	Bromobenzene	0.874	0.967	-10.6	110	0.00
78	T	n-propylbenzene	4.561	5.180	-13.6	111	0.00
79	T	2-Chlorotoluene	2.618	2.922	-11.6	112	0.00
80	T	1,3,5-Trimethylbenzene	3.083	3.487	-13.1	111	0.00
81	T	trans-1,4-Dichloro-2-butene	0.225	0.240	-6.7	102	0.00
82	T	4-Chlorotoluene	2.714	2.972	-9.5	110	0.00
83	T	tert-Butylbenzene	2.785	3.113	-11.8	112	0.00
84	T	1,2,4-Trimethylbenzene	3.066	3.472	-13.2	111	0.00
85	T	sec-Butylbenzene	4.068	4.528	-11.3	110	0.00
86	T	p-Isopropyltoluene	3.397	3.833	-12.8	111	0.00
87	T	1,3-Dichlorobenzene	1.730	1.896	-9.6	110	0.00
88	T	1,4-Dichlorobenzene	1.709	1.849	-8.2	110	0.00
89	T	n-Butylbenzene	3.196	3.635	-13.7	110	0.00
90	T	Hexachloroethane	0.710	0.781	-10.0	112	0.00
91	T	1,2-Dichlorobenzene	1.515	1.653	-9.1	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.105	0.109	-3.8	100	0.00
93	T	1,2,4-Trichlorobenzene	0.925	1.049	-13.4	112	0.00
94	T	Hexachlorobutadiene	0.582	0.623	-7.0	109	0.00
95	T	Naphthalene	1.532	1.764	-15.1	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.781	0.890	-14.0	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	50.000	53.871	-7.7	109	0.00
3	P	Chloromethane	50.000	53.523	-7.0	114	0.00
4	C	Vinyl Chloride	50.000	55.184	-10.4#	111	0.00
5	T	Bromomethane	50.000	52.483	-5.0	114	0.00
6	T	Chloroethane	50.000	54.804	-9.6	110	0.00
7	T	Trichlorofluoromethane	50.000	53.384	-6.8	108	0.00
8	T	Diethyl Ether	50.000	54.849	-9.7	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.188	-8.4	111	0.00
10	T	Methyl Iodide	50.000	61.361	-22.7	112	0.00
11	T	Tert butyl alcohol	250.000	221.762	11.3	101	0.00
12	CM	1,1-Dichloroethene	50.000	54.104	-8.2#	111	0.00
13	T	Acrolein	250.000	51.554	79.4#	108	0.00
14	T	Allyl chloride	50.000	55.361	-10.7	112	0.00
15	T	Acrylonitrile	250.000	267.274	-6.9	106	0.00
16	T	Acetone	250.000	227.197	9.1	81	0.00
17	T	Carbon Disulfide	50.000	54.581	-9.2	110	0.00
18	T	Methyl Acetate	50.000	52.372	-4.7	106	0.00
19	T	Methyl tert-butyl Ether	50.000	54.311	-8.6	107	0.00
20	T	Methylene Chloride	50.000	51.062	-2.1	108	0.00
21	T	trans-1,2-Dichloroethene	50.000	55.044	-10.1	111	0.00
22	T	Diisopropyl ether	50.000	55.595	-11.2	110	0.00
23	T	Vinyl Acetate	250.000	275.197	-10.1	107	0.00
24	P	1,1-Dichloroethane	50.000	55.004	-10.0	111	0.00
25	T	2-Butanone	250.000	253.246	-1.3	95	0.00
26	T	2,2-Dichloropropane	50.000	53.893	-7.8	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	56.305	-12.6	112	0.00
28	T	Bromochloromethane	50.000	47.452	5.1	101	0.00
29	T	Tetrahydrofuran	250.000	260.172	-4.1	102	0.00
30	C	Chloroform	50.000	55.023	-10.0#	111	0.00
31	T	Cyclohexane	50.000	52.180	-4.4	111	0.00
32	T	1,1,1-Trichloroethane	50.000	55.084	-10.2	112	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.453	5.1	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00
35	S	Dibromofluoromethane	50.000	49.037	1.9	106	0.00
36	T	1,1-Dichloropropene	50.000	54.593	-9.2	112	0.00
37	T	Ethyl Acetate	50.000	50.864	-1.7	104	0.00
38	T	Carbon Tetrachloride	50.000	54.157	-8.3	111	0.00
39	T	Methylcyclohexane	50.000	54.397	-8.8	110	0.00
40	TM	Benzene	50.000	54.583	-9.2	111	0.00
41	T	Methacrylonitrile	50.000	49.244	1.5	99	0.00
42	TM	1,2-Dichloroethane	50.000	53.746	-7.5	110	0.00
43	T	Isopropyl Acetate	50.000	52.380	-4.8	104	0.00
44	TM	Trichloroethene	50.000	54.930	-9.9	112	0.00
45	C	1,2-Dichloropropane	50.000	54.464	-8.9#	110	0.00
46	T	Dibromomethane	50.000	54.539	-9.1	110	0.00
47	T	Bromodichloromethane	50.000	54.489	-9.0	110	0.00
48	T	Methyl methacrylate	50.000	55.076	-10.2	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1053.076	-5.3	107	0.00
50	S	Toluene-d8	50.000	48.694	2.6	106	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.628	-5.1	102	0.00
52	CM	Toluene	50.000	55.674	-11.3#	112	0.00
53	T	t-1,3-Dichloropropene	50.000	55.699	-11.4	108	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.451	-10.9	111	0.00
55	T	1,1,2-Trichloroethane	50.000	53.263	-6.5	107	0.00
56	T	Ethyl methacrylate	50.000	55.679	-11.4	105	0.00
57	T	1,3-Dichloropropane	50.000	54.438	-8.9	109	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	228.990	8.4	85	0.00
59	T	2-Hexanone	250.000	264.133	-5.7	99	0.00
60	T	Dibromochloromethane	50.000	54.329	-8.7	108	0.00
61	T	1,2-Dibromoethane	50.000	53.942	-7.9	108	0.00
62	S	4-Bromofluorobenzene	50.000	48.549	2.9	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	52.940	-5.9	110	0.00
65	PM	Chlorobenzene	50.000	54.410	-8.8	111	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.517	-9.0	111	0.00
67	C	Ethyl Benzene	50.000	55.992	-12.0#	112	0.00
68	T	m/p-Xylenes	100.000	111.274	-11.3	111	0.00
69	T	o-Xylene	50.000	56.108	-12.2	111	0.00
70	T	Styrene	50.000	56.307	-12.6	110	0.00
71	P	Bromoform	50.000	53.590	-7.2	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	56.974	-13.9	112	0.00
74	T	N-amyl acetate	50.000	55.509	-11.0	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.254	-6.5	105	0.00
76	T	1,2,3-Trichloropropane	50.000	44.570	10.9	88	0.00
77	T	Bromobenzene	50.000	55.296	-10.6	110	0.00
78	T	n-propylbenzene	50.000	56.783	-13.6	111	0.00
79	T	2-Chlorotoluene	50.000	55.813	-11.6	112	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.549	-13.1	111	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.216	-6.4	102	0.00
82	T	4-Chlorotoluene	50.000	54.757	-9.5	110	0.00
83	T	tert-Butylbenzene	50.000	55.900	-11.8	112	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.621	-13.2	111	0.00
85	T	sec-Butylbenzene	50.000	55.655	-11.3	110	0.00
86	T	p-Isopropyltoluene	50.000	56.427	-12.9	111	0.00
87	T	1,3-Dichlorobenzene	50.000	54.800	-9.6	110	0.00
88	T	1,4-Dichlorobenzene	50.000	54.098	-8.2	110	0.00
89	T	n-Butylbenzene	50.000	56.856	-13.7	110	0.00
90	T	Hexachloroethane	50.000	55.035	-10.1	112	0.00
91	T	1,2-Dichlorobenzene	50.000	54.545	-9.1	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.137	-4.3	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.703	-13.4	112	0.00
94	T	Hexachlorobutadiene	50.000	53.541	-7.1	109	0.00
95	T	Naphthalene	50.000	57.589	-15.2	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	56.980	-14.0	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_X Calibration Date/Time: 02/25/2025 10:00

Lab File ID: VX045029.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.854	0.745	0.1	-12.76	20
Vinyl Chloride	0.827	0.732		-11.49	20
Bromomethane	0.247	0.252		2.02	20
Chloroethane	0.307	0.346		12.7	20
Trichlorofluoromethane	1.046	1.033		-1.24	20
1,1,2-Trichlorotrifluoroethane	0.632	0.617		-2.37	20
1,1-Dichloroethene	0.644	0.593		-7.92	20
Acetone	0.294	0.364		23.81	20
Carbon Disulfide	1.767	1.454		-17.71	20
Methyl tert-butyl Ether	2.050	1.972		-3.81	20
Methylene Chloride	0.721	0.673		-6.66	20
trans-1,2-Dichloroethene	0.634	0.582		-8.2	20
1,1-Dichloroethane	1.233	1.194	0.1	-3.16	20
2-Butanone	0.478	0.544		13.81	20
Carbon Tetrachloride	0.460	0.478		3.91	20
cis-1,2-Dichloroethene	0.762	0.721		-5.38	20
Chloroform	1.196	1.170		-2.17	20
1,1,1-Trichloroethane	1.014	0.979		-3.45	20
Methylcyclohexane	0.606	0.609		0.5	20
Benzene	1.465	1.459		-0.41	20
1,2-Dichloroethane	0.467	0.504		7.92	20
Trichloroethene	0.335	0.339		1.19	20
1,2-Dichloropropane	0.364	0.376		3.3	20
Bromodichloromethane	0.489	0.538		10.02	20
4-Methyl-2-Pentanone	0.512	0.618		20.7	20
Toluene	0.872	0.882		1.15	20
t-1,3-Dichloropropene	0.495	0.515		4.04	20
cis-1,3-Dichloropropene	0.552	0.576		4.35	20
1,1,2-Trichloroethane	0.335	0.356		6.27	20
2-Hexanone	0.369	0.458		24.12	20
Dibromochloromethane	0.359	0.394		9.75	20
Tetrachloroethene	0.315	0.319		1.27	20
Chlorobenzene	1.074	1.097	0.3	2.14	20
Ethyl Benzene	1.895	1.927		1.69	20
m/p-Xylenes	0.699	0.720		3	20
o-Xylene	0.701	0.716		2.14	20
Styrene	1.130	1.200		6.2	20
Bromoform	0.258	0.297	0.1	15.12	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_X Calibration Date/Time: 02/25/2025 10:00

Lab File ID: VX045029.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.026	3.989		-0.92	20
1,1,2,2-Tetrachloroethane	1.383	1.395	0.3	0.87	20
1,3-Dichlorobenzene	1.678	1.702		1.43	20
1,4-Dichlorobenzene	1.697	1.703		0.35	20
1,2-Dichlorobenzene	1.650	1.713		3.82	20
1,2-Dichloroethane-d4	0.732	0.737		0.68	20
Dibromofluoromethane	0.325	0.348		7.08	20
Toluene-d8	1.229	1.235		0.49	20
4-Bromofluorobenzene	0.414	0.445		7.49	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 25 11:55:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	110252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	188741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	166334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76720	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81234	50.33	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.66%			
35) Dibromofluoromethane	5.379	113	65753	53.58	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.16%			
50) Toluene-d8	8.641	98	233128	50.24	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.48%			
62) 4-Bromofluorobenzene	11.079	95	84075	53.74	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	74727	48.33	ug/l	100
3) Chloromethane	1.301	50	82134	43.64	ug/l	99
4) Vinyl Chloride	1.374	62	80701	44.26	ug/l	100
5) Bromomethane	1.593	94	27748	50.86	ug/l	89
6) Chloroethane	1.660	64	38111	54.93	ug/l	99
7) Trichlorofluoromethane	1.868	101	113846	49.37	ug/l	98
8) Diethyl Ether	2.130	74	41033	49.07	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	68044	48.84	ug/l	98
10) Methyl Iodide	2.441	142	66987	37.10	ug/l	99
11) Tert butyl alcohol	2.983	59	72655	242.67	ug/l	100
12) 1,1-Dichloroethene	2.307	96	65333	45.97	ug/l	97
13) Acrolein	2.233	56	42659	138.10	ug/l	98
14) Allyl chloride	2.654	41	122413	47.66	ug/l	98
15) Acrylonitrile	3.062	53	212123	265.35	ug/l	99
16) Acetone	2.380	43	200478	309.00	ug/l	96
17) Carbon Disulfide	2.502	76	160258	41.13	ug/l	100
18) Methyl Acetate	2.703	43	120447	58.83	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	217452	48.09	ug/l	99
20) Methylene Chloride	2.782	84	74184	46.68	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	64190	45.90	ug/l	94
22) Diisopropyl ether	3.757	45	243471	50.11	ug/l	99
23) Vinyl Acetate	3.715	43	981588	247.81	ug/l	99
24) 1,1-Dichloroethane	3.599	63	131695	48.44	ug/l	99
25) 2-Butanone	4.550	43	299771	284.54	ug/l	95
26) 2,2-Dichloropropane	4.465	77	99566	46.18	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	79480	47.31	ug/l	99
28) Bromochloromethane	4.885	49	55002	42.10	ug/l	100
29) Tetrahydrofuran	5.001	42	189117	270.33	ug/l	98
30) Chloroform	5.080	83	129019	48.94	ug/l	100
31) Cyclohexane	5.458	56	112320	44.81	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	107913	48.25	ug/l	99
36) 1,1-Dichloropropene	5.678	75	86064	48.61	ug/l	99
37) Ethyl Acetate	4.709	43	106808	54.24	ug/l	99
38) Carbon Tetrachloride	5.666	117	90290	52.04	ug/l	99
39) Methylcyclohexane	7.373	83	114932	50.21	ug/l	98
40) Benzene	6.025	78	275311	49.80	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 25 11:55:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	61810	58.64	ug/l		97
42) 1,2-Dichloroethane	6.080	62	95145	54.00	ug/l		99
43) Isopropyl Acetate	6.336	43	174923	55.01	ug/l		98
44) Trichloroethene	7.117	130	63990	50.64	ug/l		100
45) 1,2-Dichloropropane	7.421	63	70881	51.54	ug/l		100
46) Dibromomethane	7.574	93	49809	52.22	ug/l		98
47) Bromodichloromethane	7.818	83	101512	54.96	ug/l		97
48) Methyl methacrylate	7.690	41	85683	57.15	ug/l		97
49) 1,4-Dioxane	7.659	88	35652	1108.26	ug/l		98
51) 4-Methyl-2-Pentanone	8.568	43	582884	301.51	ug/l		98
52) Toluene	8.714	92	166447	50.56	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	97264	52.04	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	108760	52.19	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	67253	53.14	ug/l		99
56) Ethyl methacrylate	9.110	69	110482	54.05	ug/l		97
57) 1,3-Dichloropropane	9.305	76	115405	52.11	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	283740	282.70	ug/l		100
59) 2-Hexanone	9.427	43	432517	310.51	ug/l		97
60) Dibromochloromethane	9.519	129	74430	54.99	ug/l		100
61) 1,2-Dibromoethane	9.604	107	68951	53.75	ug/l		97
64) Tetrachloroethene	9.269	164	52979	50.51	ug/l		97
65) Chlorobenzene	10.073	112	182394	51.05	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	60454	52.57	ug/l		99
67) Ethyl Benzene	10.189	91	320501	50.84	ug/l		100
68) m/p-Xylenes	10.299	106	239374	102.93	ug/l		99
69) o-Xylene	10.640	106	119076	51.03	ug/l		98
70) Styrene	10.653	104	199603	53.09	ug/l		98
71) Bromoform	10.799	173	49483	57.66	ug/l	#	100
73) Isopropylbenzene	10.957	105	306035	49.54	ug/l		100
74) N-amyl acetate	10.842	43	147566	52.79	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	107060	50.43	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	96249m	56.58	ug/l		
77) Bromobenzene	11.195	156	71839	51.29	ug/l		97
78) n-propylbenzene	11.299	91	358862	50.33	ug/l		100
79) 2-Chlorotoluene	11.360	91	216519	49.41	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	253369	50.54	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	31017	46.91	ug/l		92
82) 4-Chlorotoluene	11.451	91	243811	50.29	ug/l		99
83) tert-Butylbenzene	11.713	119	257768	50.83	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	255246	51.59	ug/l		99
85) sec-Butylbenzene	11.890	105	322972	51.43	ug/l		100
86) p-Isopropyltoluene	12.006	119	265185	52.51	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	130550	50.69	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	130623	50.16	ug/l		99
89) n-Butylbenzene	12.329	91	241837	54.13	ug/l		100
90) Hexachloroethane	12.536	117	47494	50.23	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	131390	51.91	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21216	54.76	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	82426	53.82	ug/l		99
94) Hexachlorobutadiene	13.725	225	33272	54.72	ug/l		98
95) Naphthalene	13.774	128	297344	53.70	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	83085	53.83	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 25 11:55:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

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

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

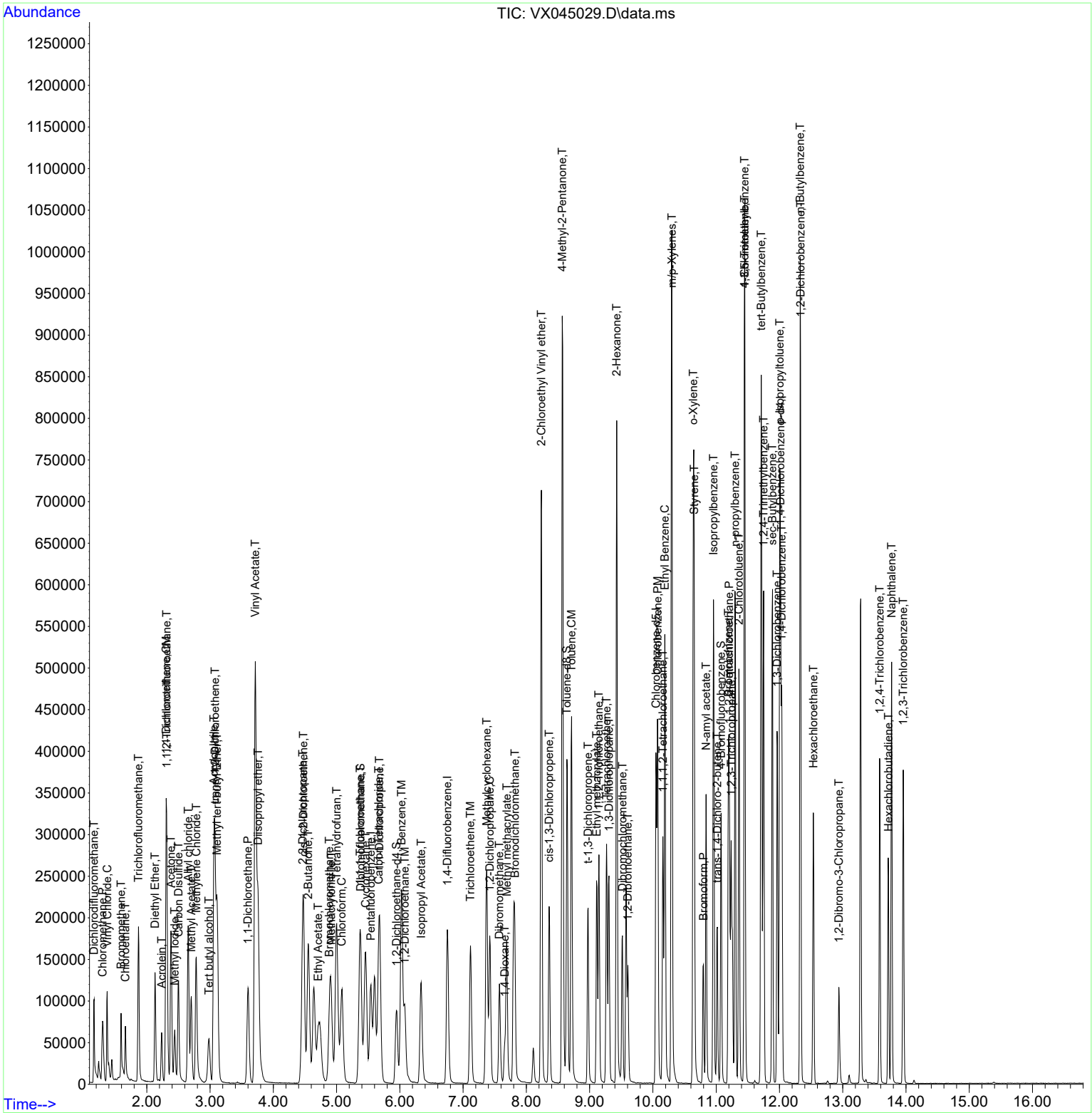
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

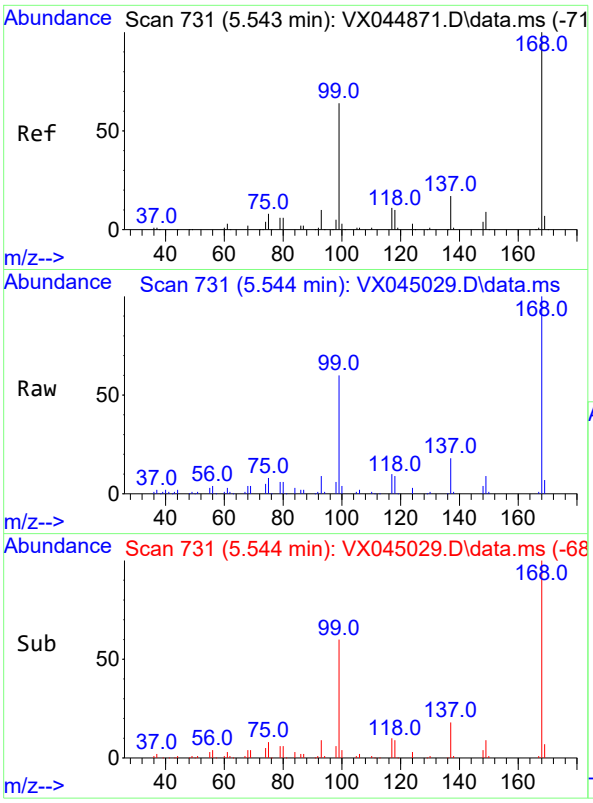
Quant Time: Feb 25 11:55:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

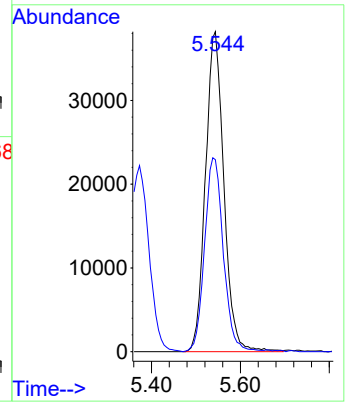




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:168 Resp: 11025

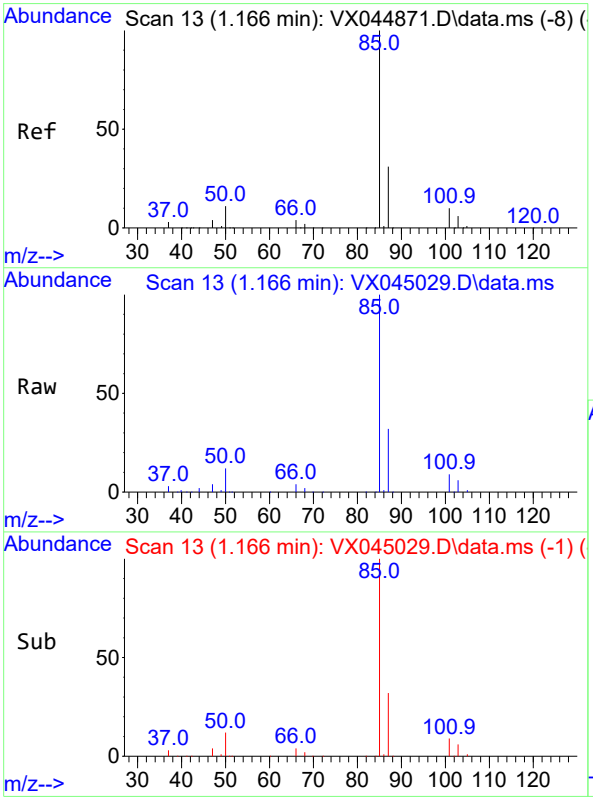
Ion	Ratio	Lower	Upper
168	100		
99	60.0	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

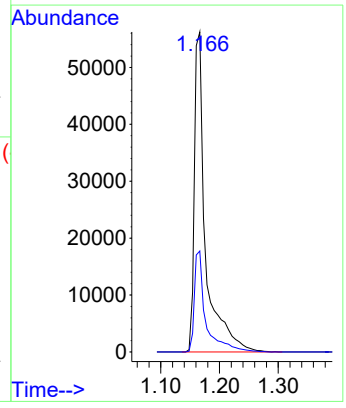
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

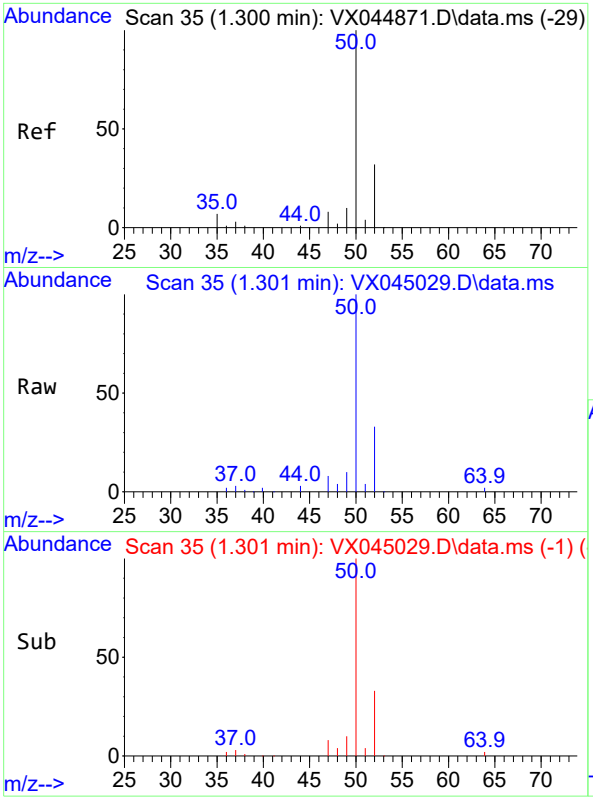


#2
Dichlorodifluoromethane
Concen: 48.33 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 85 Resp: 74727

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3

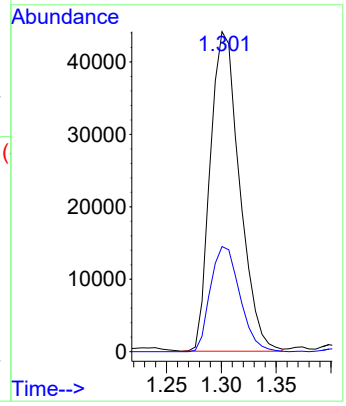




#3
Chloromethane
Concen: 43.64 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 50 Resp: 8213

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
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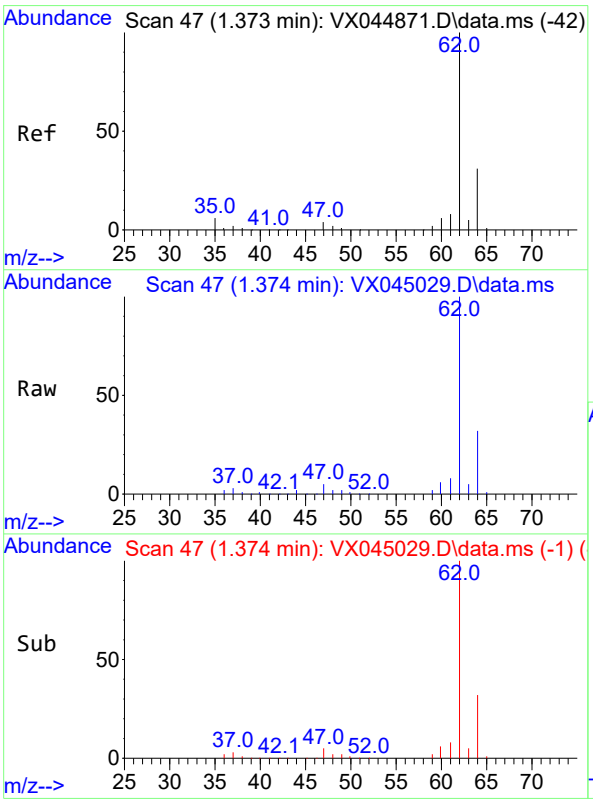
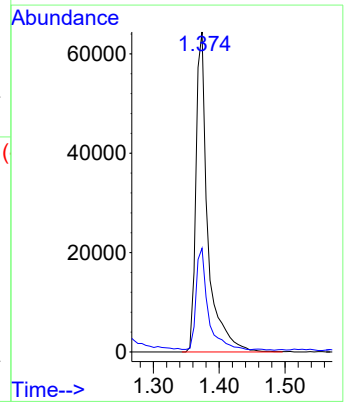
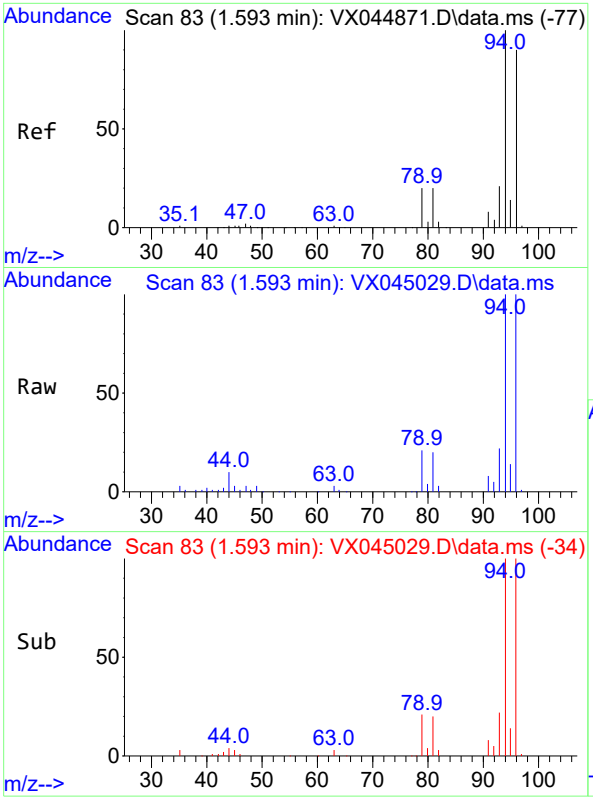


#4
Vinyl Chloride
Concen: 44.26 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 62 Resp: 80701

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0

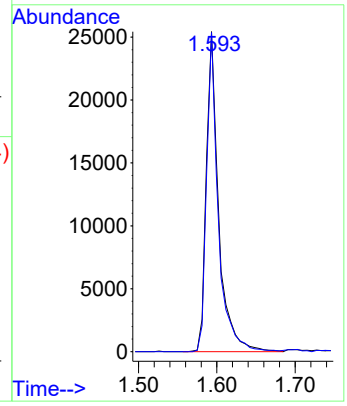




#5
Bromomethane
Concen: 50.86 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 94 Resp: 2774

Ion	Ratio	Lower	Upper
94	100		
96	99.7	71.6	107.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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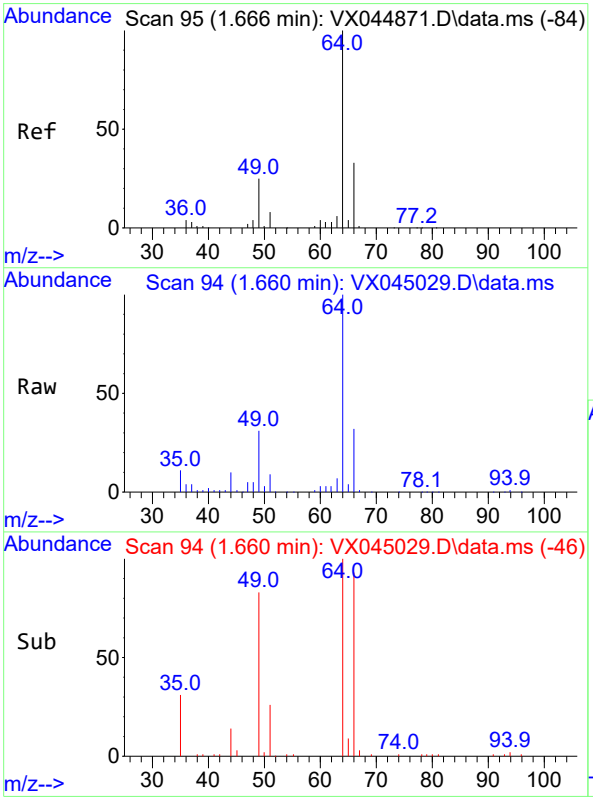
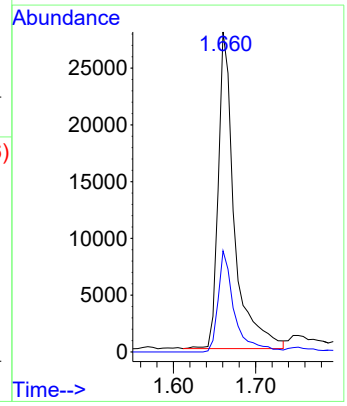
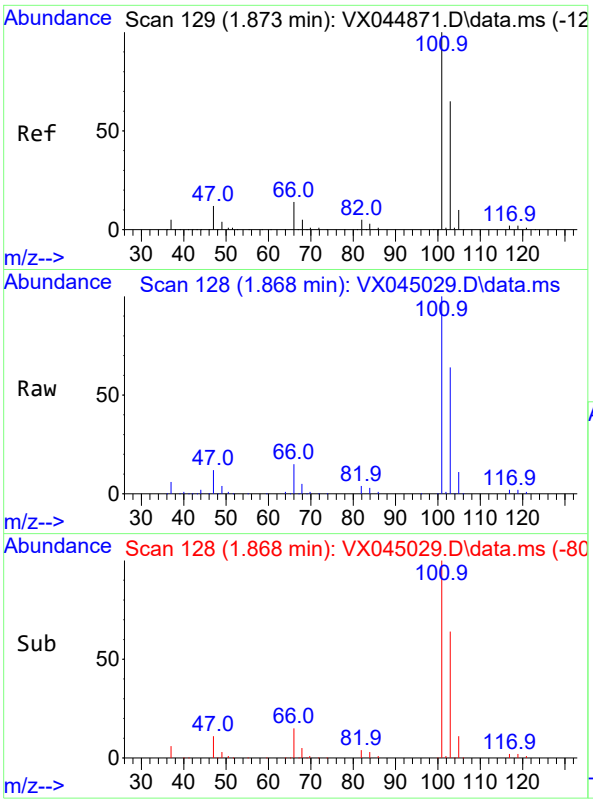


#6
Chloroethane
Concen: 54.93 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 64 Resp: 38111

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.9	38.9

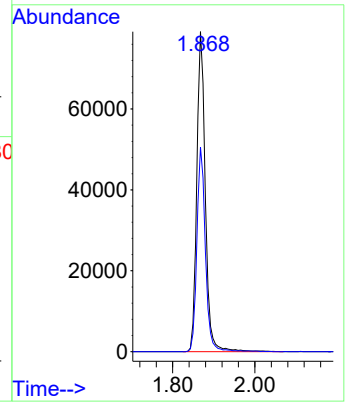




#7
Trichlorofluoromethane
Concen: 49.37 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.005 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:101 Resp: 11384

Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.4	78.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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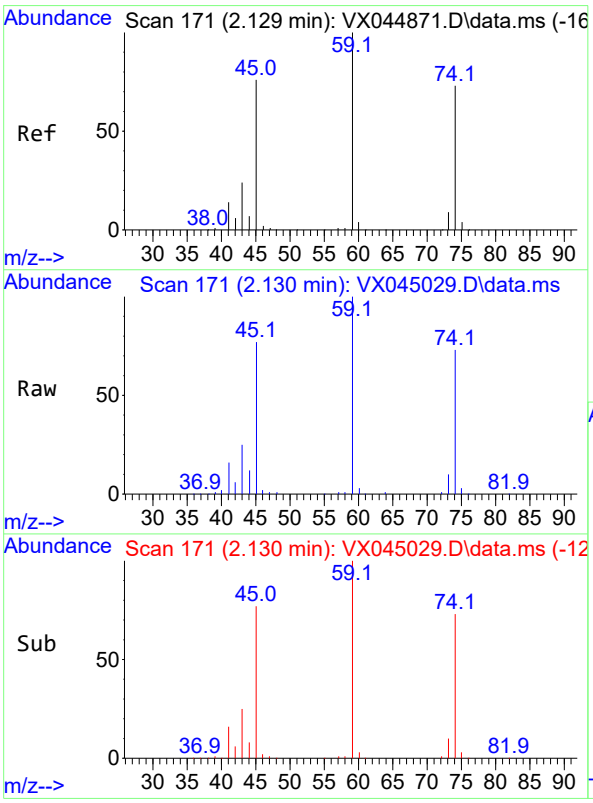
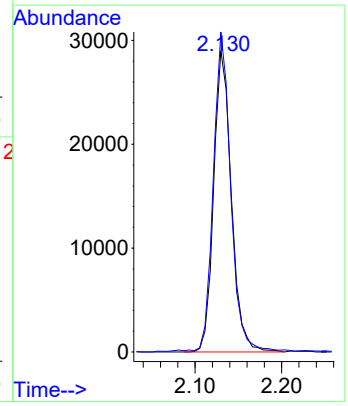
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

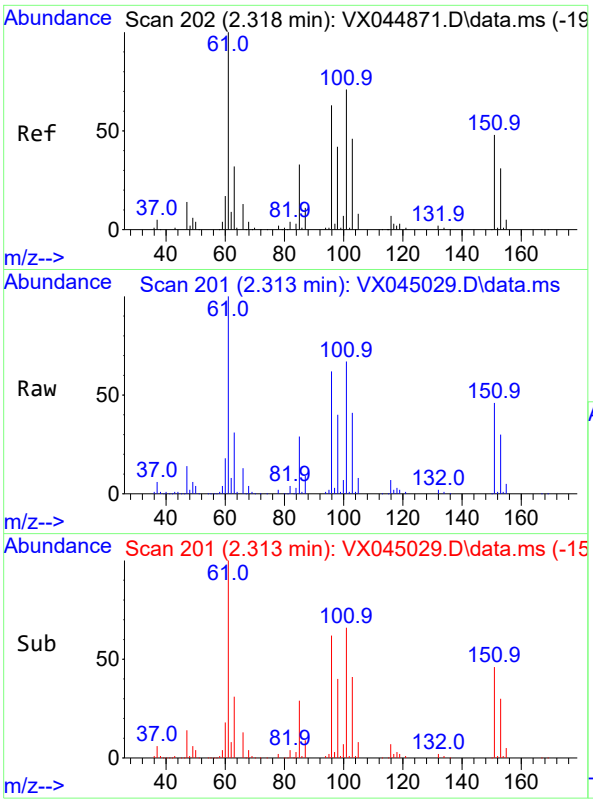


#8
Diethyl Ether
Concen: 49.07 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 74 Resp: 41033

Ion	Ratio	Lower	Upper
74	100		
45	103.9	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.84 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:101 Resp: 6804

Ion	Ratio	Lower	Upper
101	100		
85	44.9	35.7	53.5
151	71.8	56.0	84.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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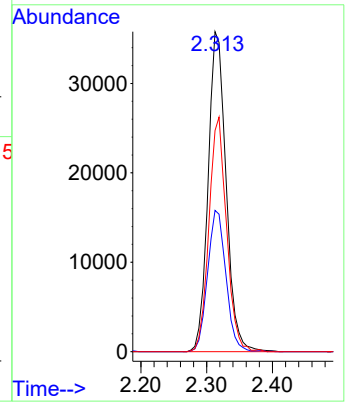
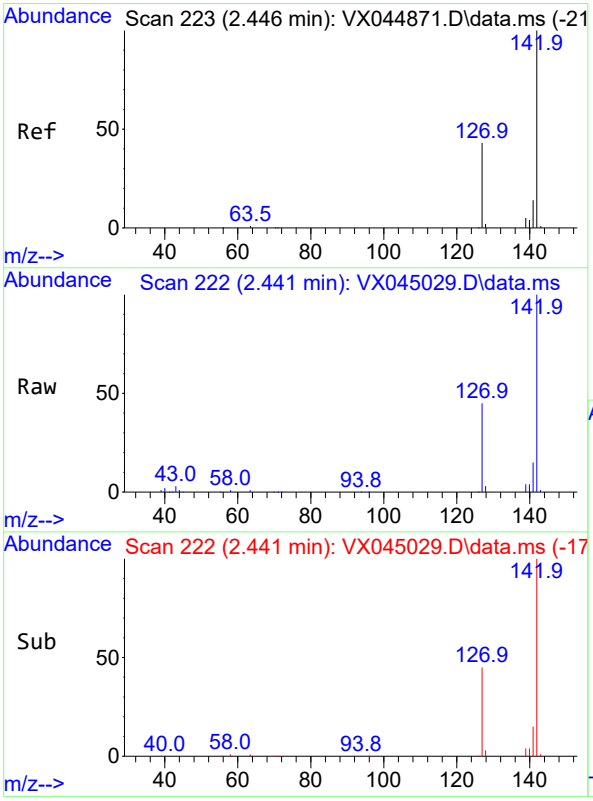
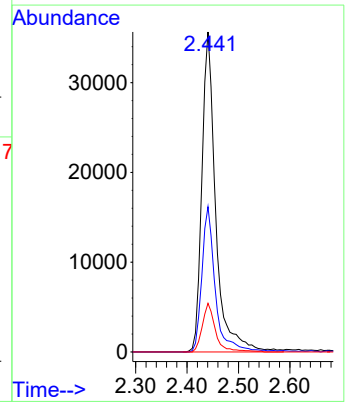


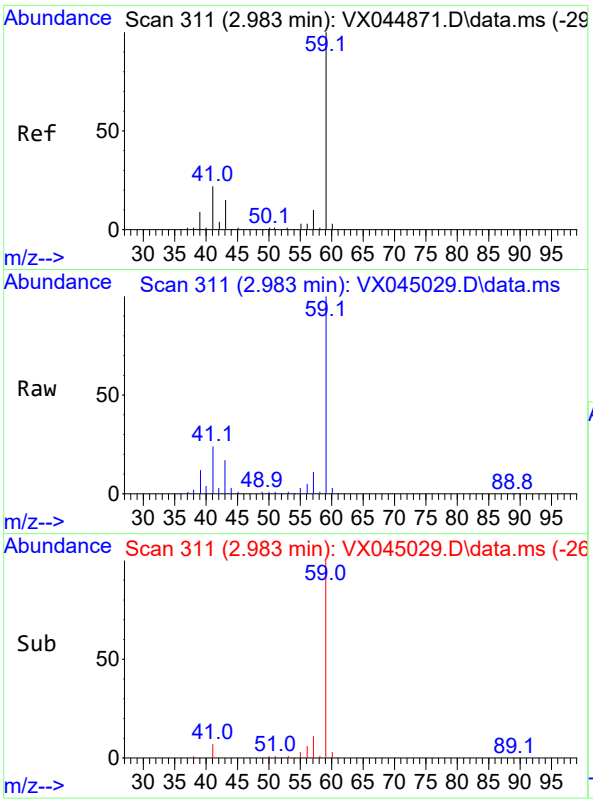


#10
Methyl Iodide
Concen: 37.10 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:142 Resp: 66987

Ion	Ratio	Lower	Upper
142	100		
127	44.0	34.3	51.5
141	14.4	11.4	17.2

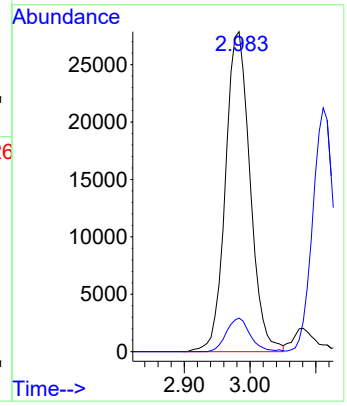




#11
Tert butyl alcohol
Concen: 242.67 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 59 Resp: 7265

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1



Instrument :
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ClientSampleId :
VSTDCCC050

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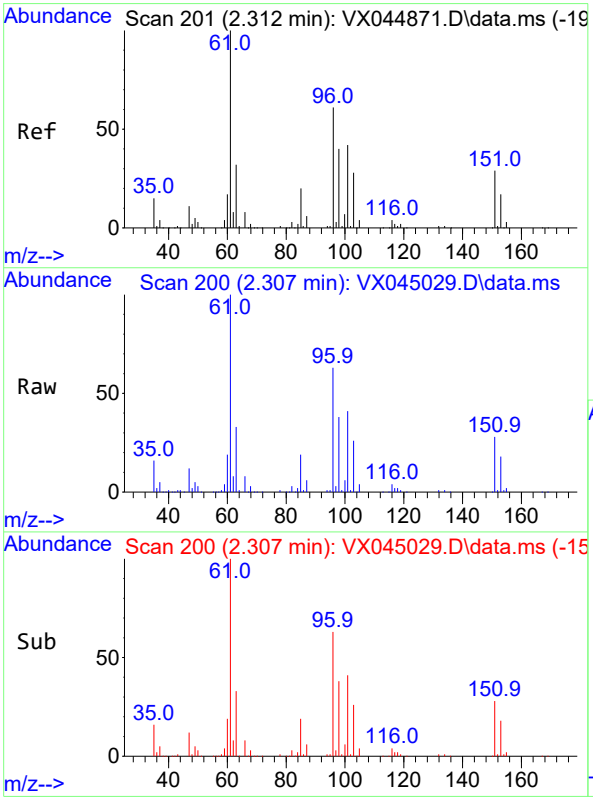
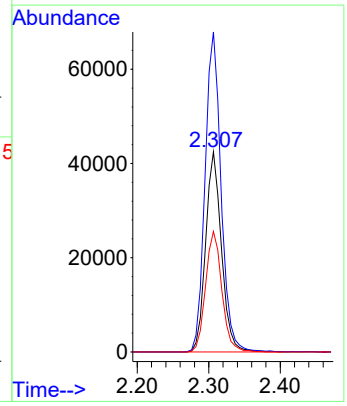
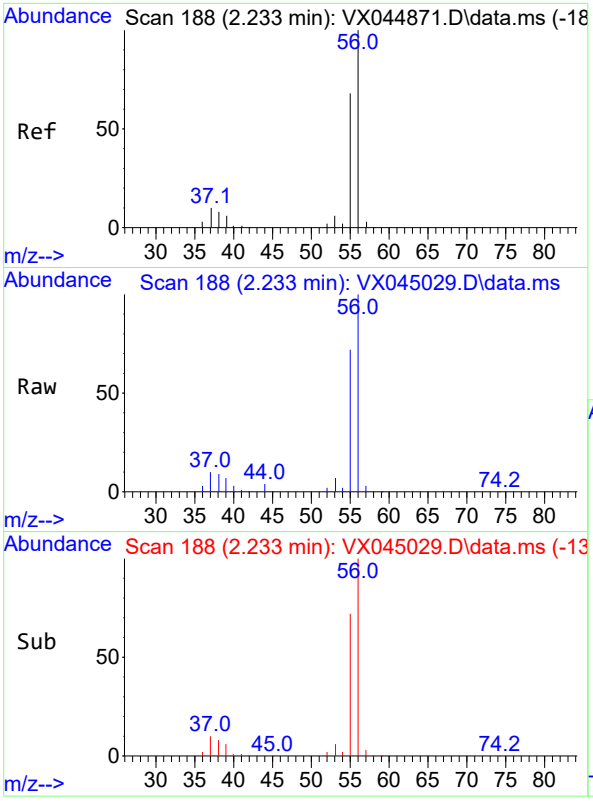


#12
1,1-Dichloroethene
Concen: 45.97 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 96 Resp: 65333

Ion	Ratio	Lower	Upper
96	100		
61	159.8	130.2	195.4
98	60.2	52.2	78.4

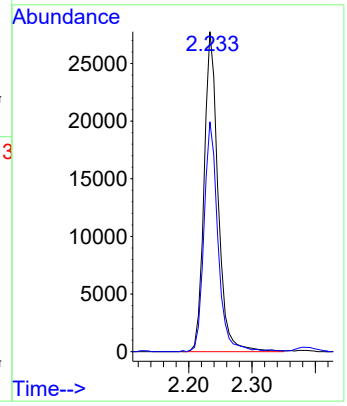




#13
Acrolein
Concen: 138.10 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 56 Resp: 4265

Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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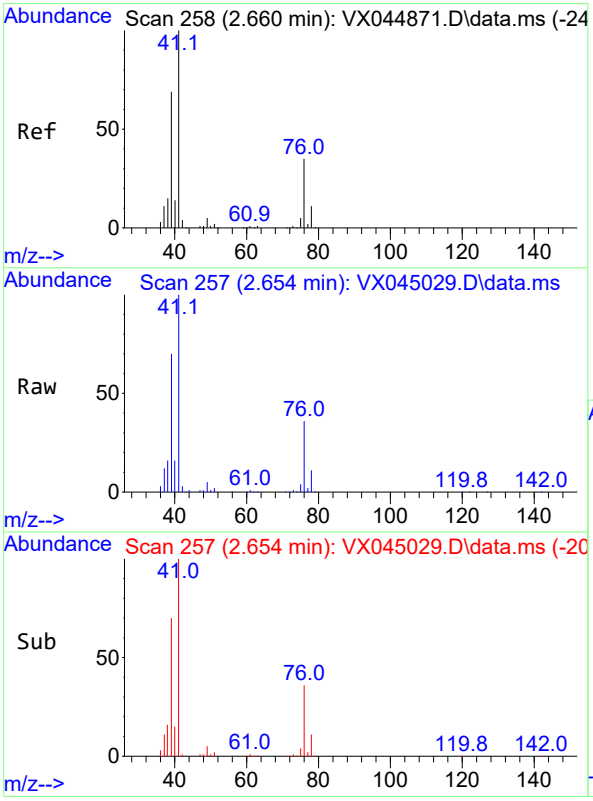
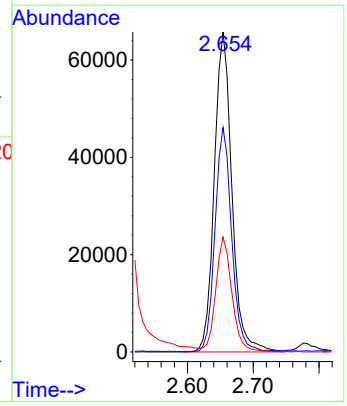
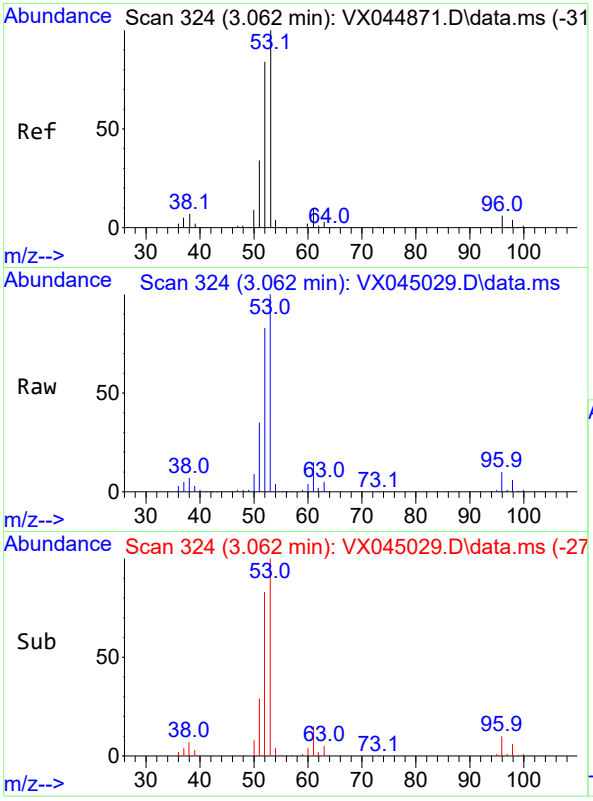


#14
Allyl chloride
Concen: 47.66 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 41 Resp: 122413

Ion	Ratio	Lower	Upper
41	100		
39	66.3	51.4	77.2
76	33.1	27.0	40.4

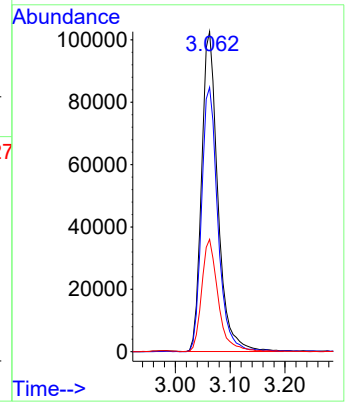




#15
Acrylonitrile
Concen: 265.35 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 53 Resp: 21212

Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.0	97.6
51	35.5	28.0	42.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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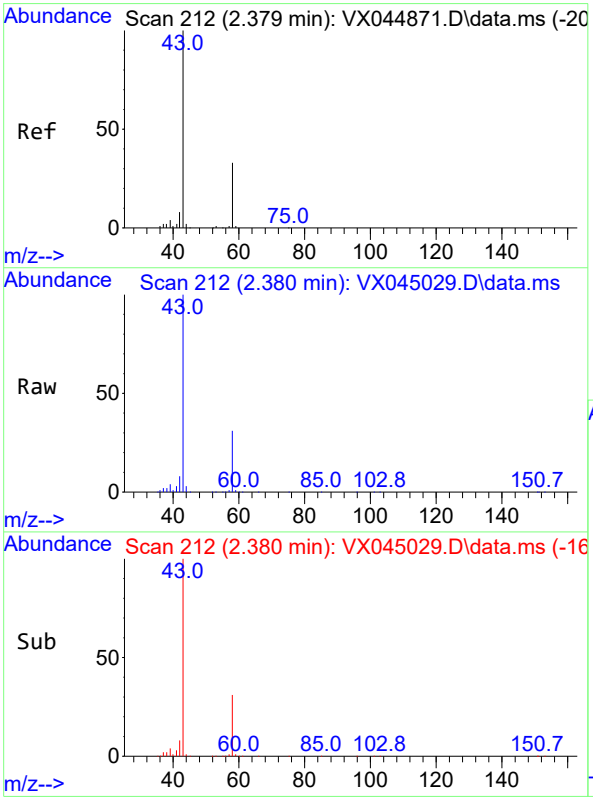
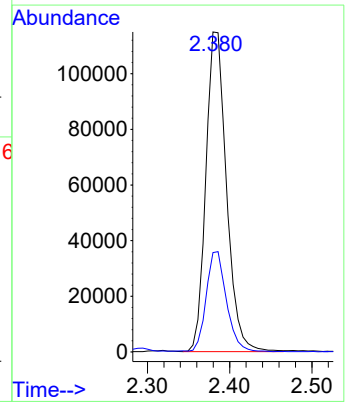
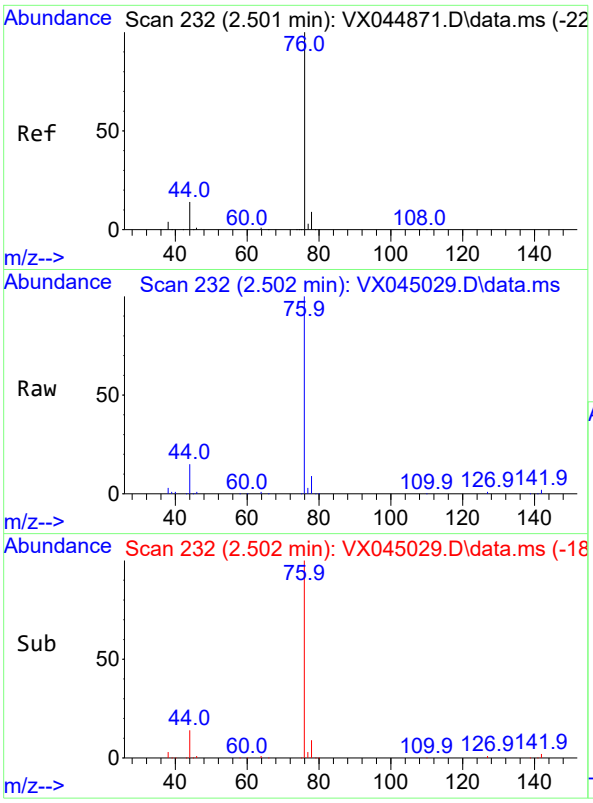


#16
Acetone
Concen: 309.00 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 200478

Ion	Ratio	Lower	Upper
43	100		
58	30.9	26.5	39.7

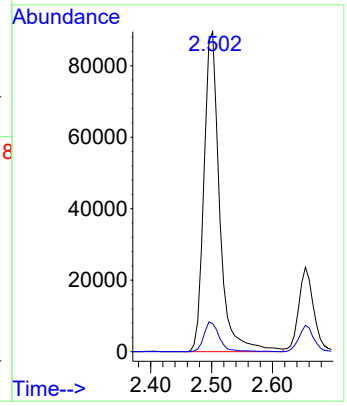




#17
Carbon Disulfide
Concen: 41.13 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 76 Resp: 16025

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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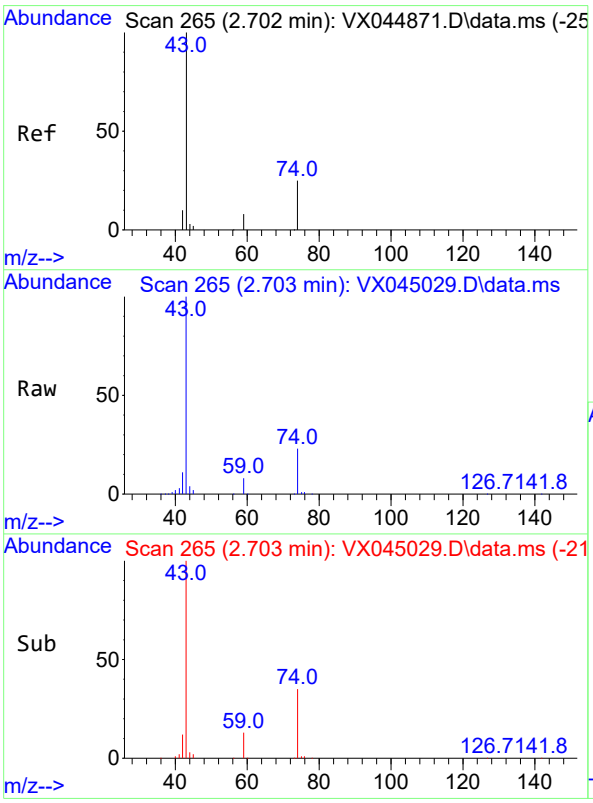
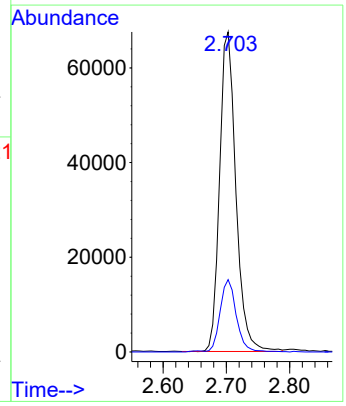
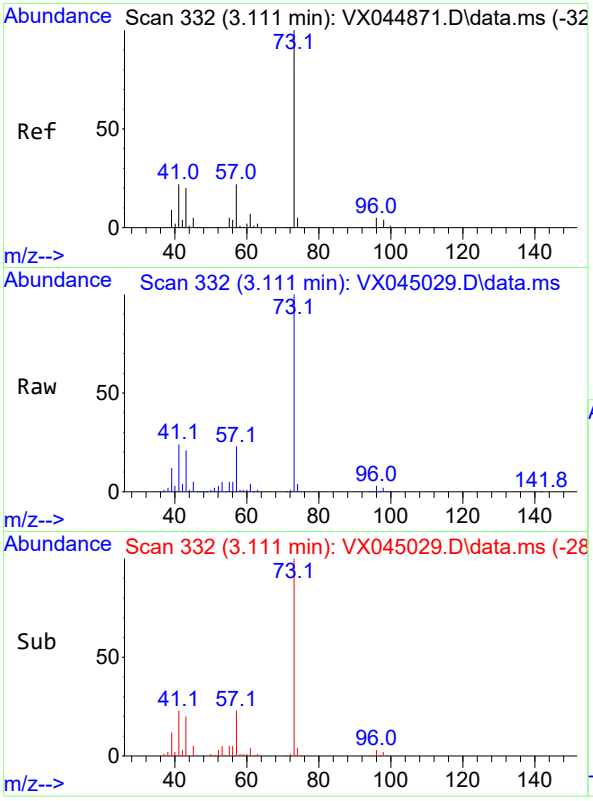


#18
Methyl Acetate
Concen: 58.83 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 120447

Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.9	28.3

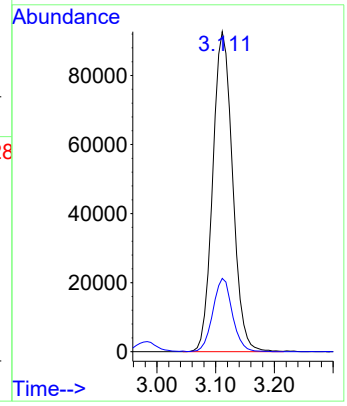




#19
Methyl tert-butyl Ether
Concen: 48.09 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 73 Resp: 21745

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.9	26.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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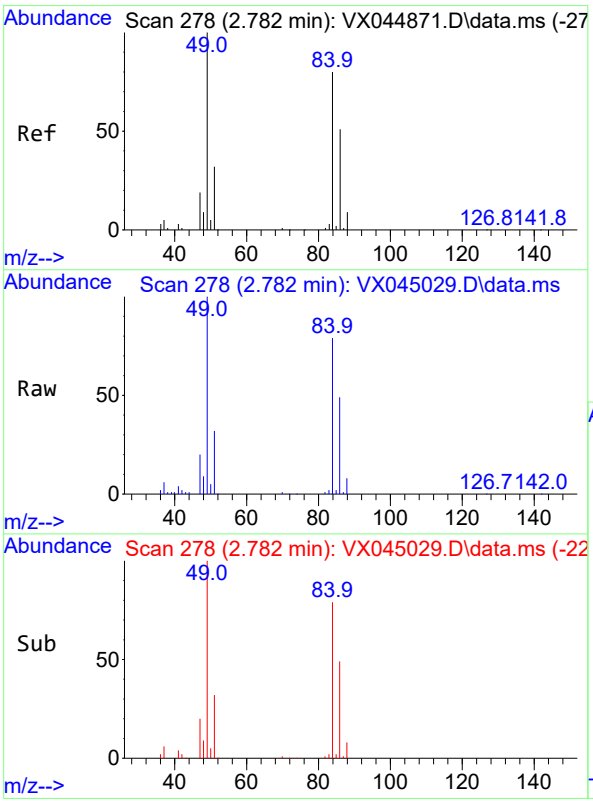
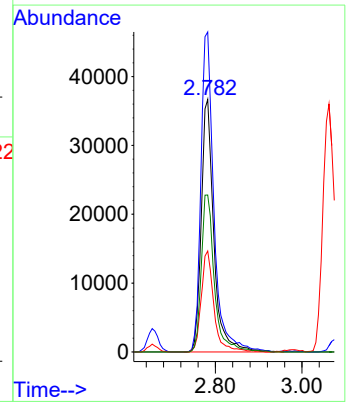
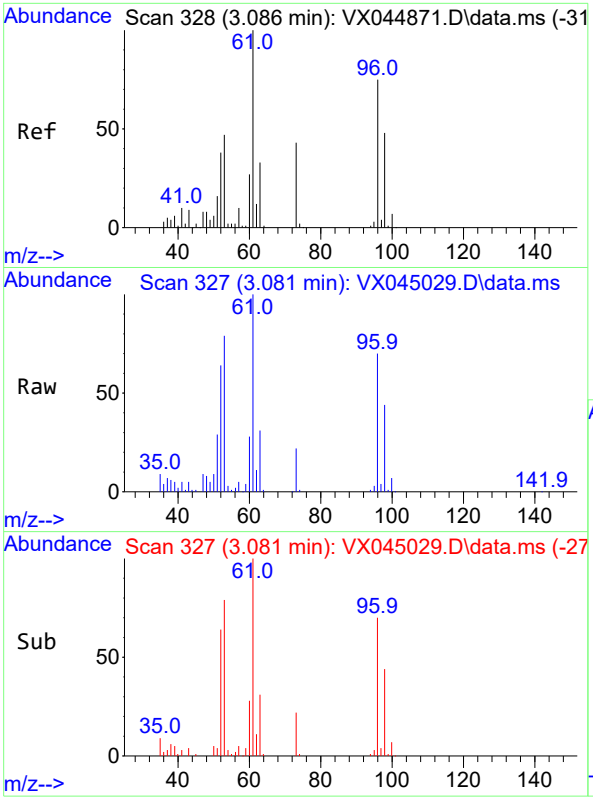


#20
Methylene Chloride
Concen: 46.68 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 84 Resp: 74184

Ion	Ratio	Lower	Upper
84	100		
49	126.8	100.1	150.1
51	40.0	31.7	47.5
86	62.2	50.8	76.2

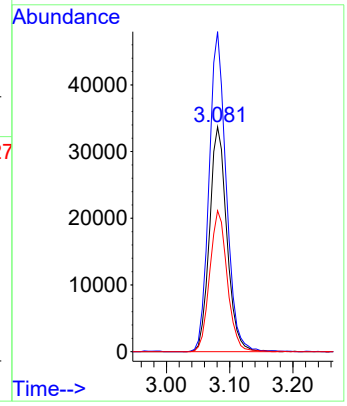




#21
trans-1,2-Dichloroethene
Concen: 45.90 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 96 Resp: 6419

Ion	Ratio	Lower	Upper
96	100		
61	142.3	106.0	159.0
98	62.7	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
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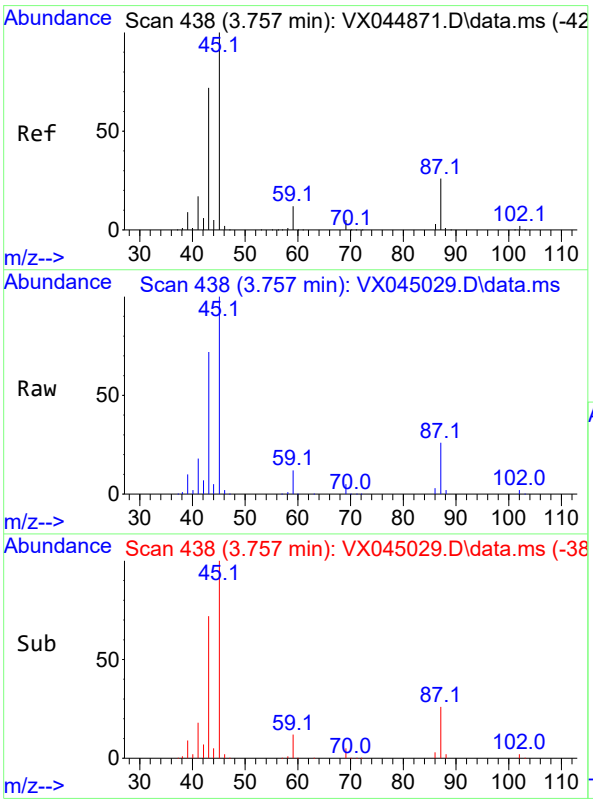
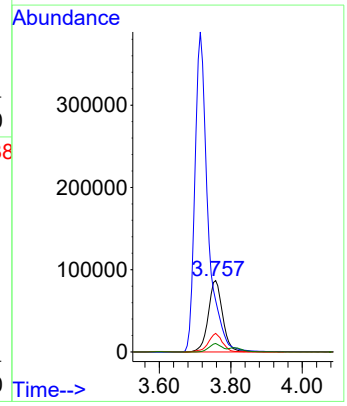
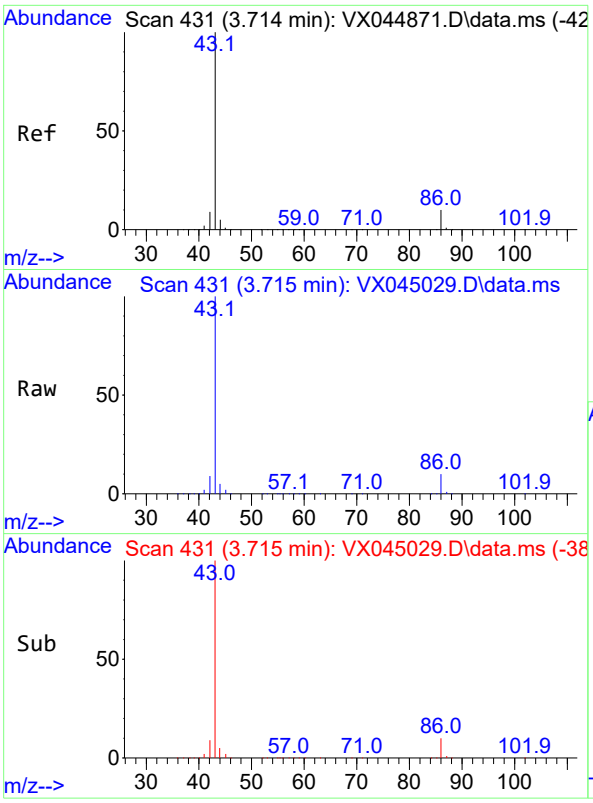


#22
Diisopropyl ether
Concen: 50.11 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 45 Resp: 243471

Ion	Ratio	Lower	Upper
45	100		
43	71.9	58.0	87.0
87	26.0	20.7	31.1
59	11.8	9.2	13.8





#23
Vinyl Acetate
Concen: 247.81 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 98158

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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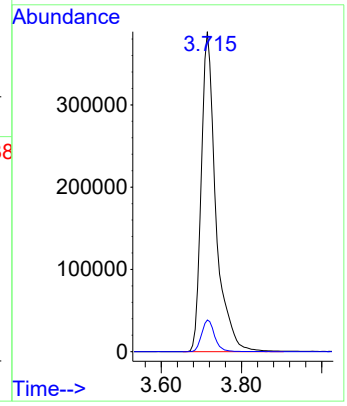
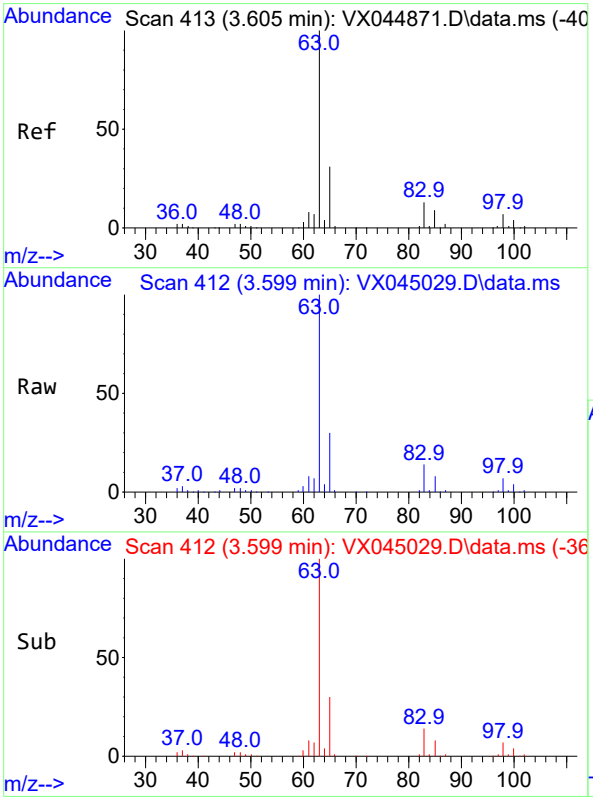
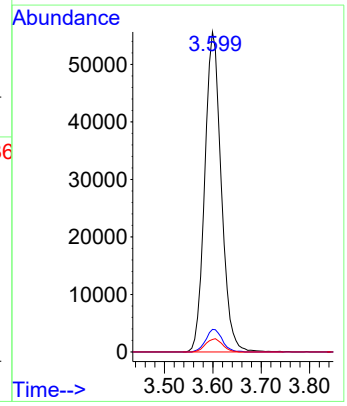


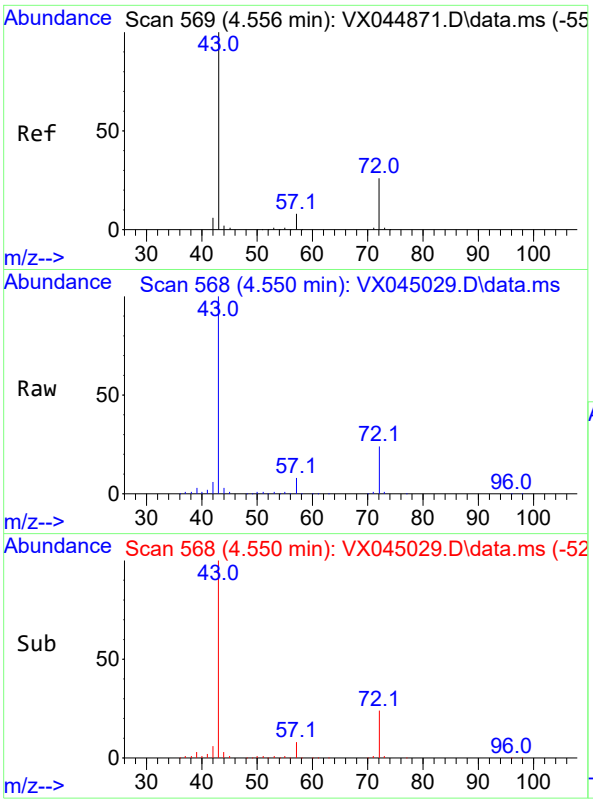


#24
1,1-Dichloroethane
Concen: 48.44 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 63 Resp: 131695

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.9
100	3.9	2.1	6.5

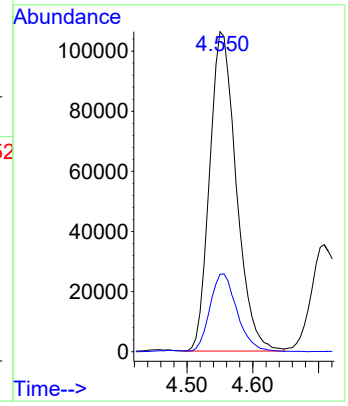




#25
2-Butanone
Concen: 284.54 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 29977

Ion	Ratio	Lower	Upper
43	100		
72	24.1	21.2	31.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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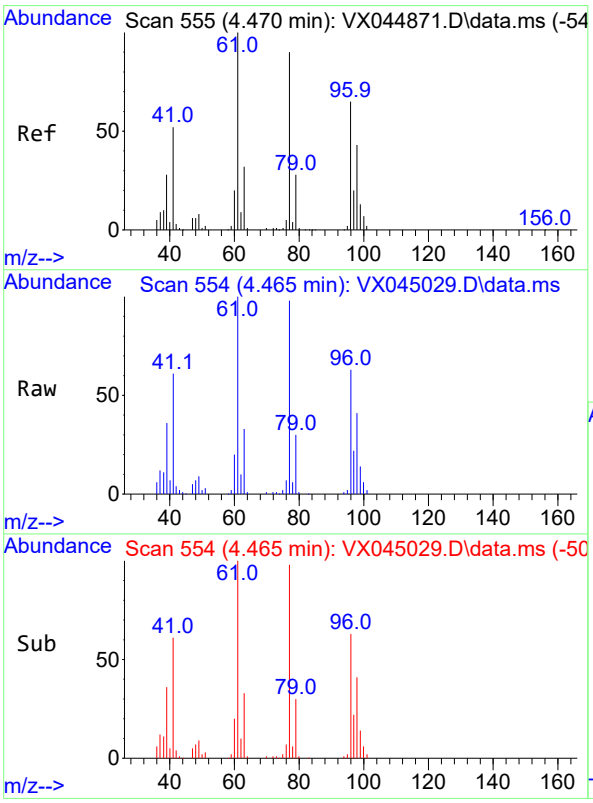
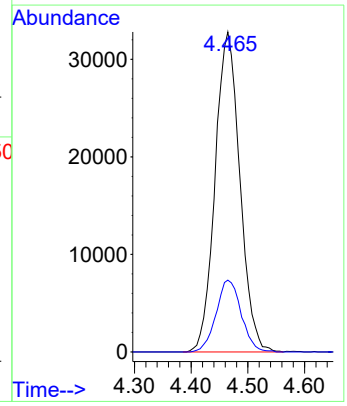
Supervised By :Mahesh Dadoda 02/26/2025

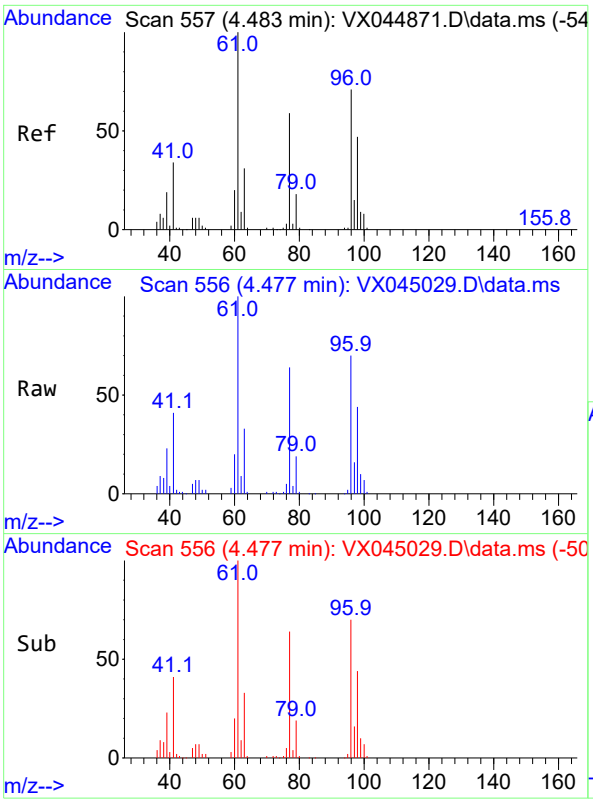


#26
2,2-Dichloropropane
Concen: 46.18 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 77 Resp: 99566

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.8	35.3

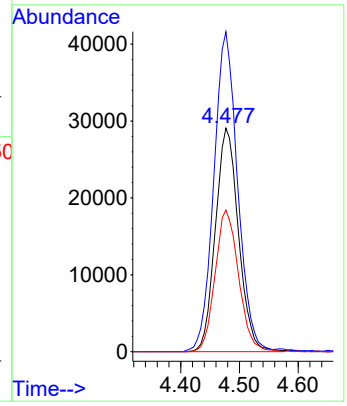




#27
cis-1,2-Dichloroethene
Concen: 47.31 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 96 Resp: 7948

Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	294.0
98	64.2	0.0	131.2



Instrument :
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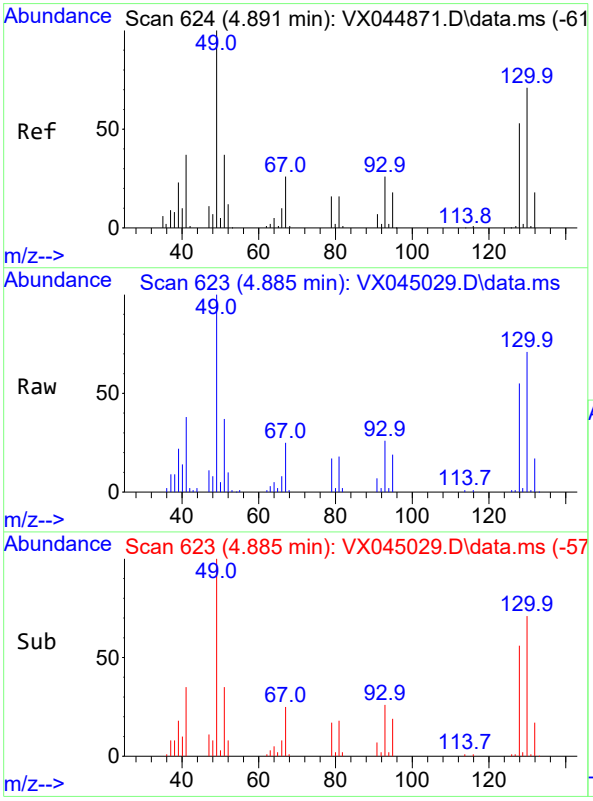
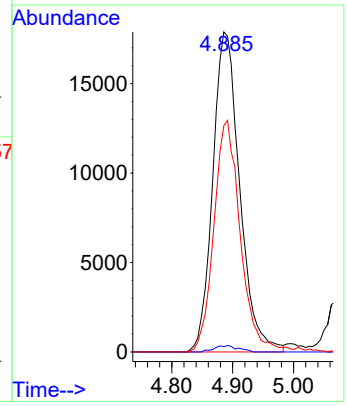
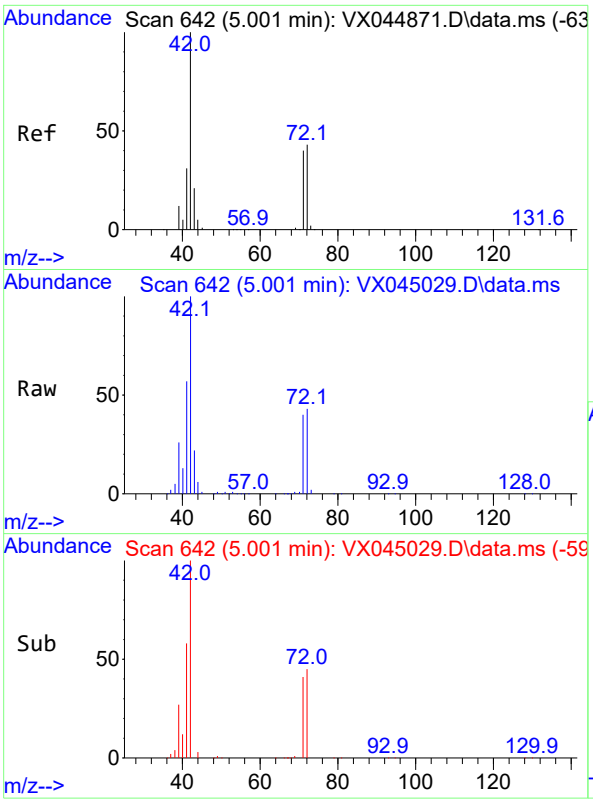


#28
Bromochloromethane
Concen: 42.10 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 49 Resp: 55002

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	70.9	56.7	85.1

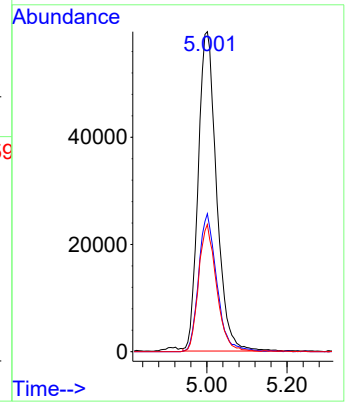




#29
Tetrahydrofuran
Concen: 270.33 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 42 Resp: 18911

Ion	Ratio	Lower	Upper
42	100		
72	42.7	35.0	52.4
71	39.0	32.6	48.8



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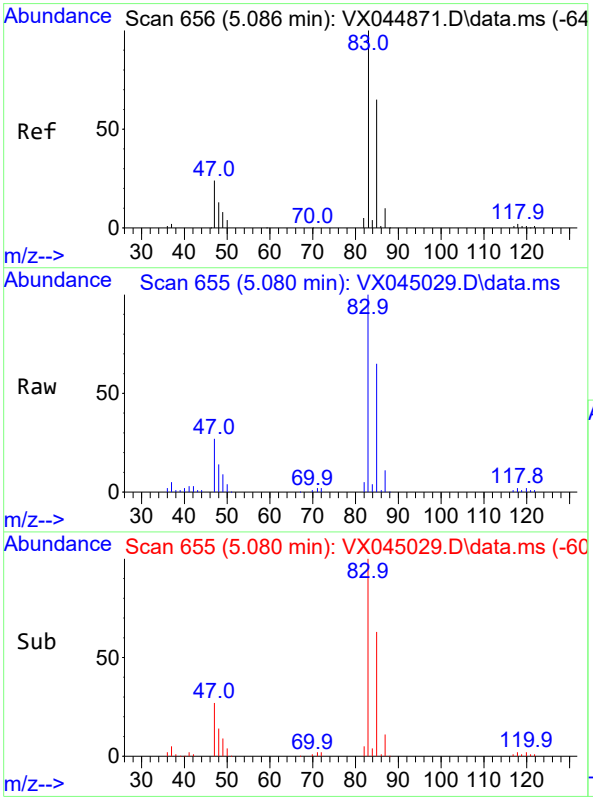
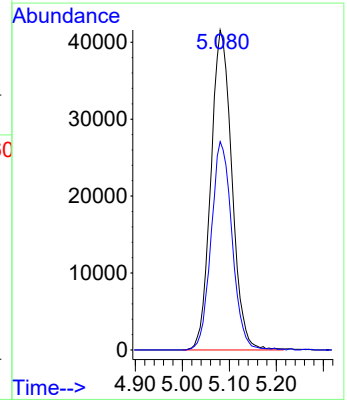
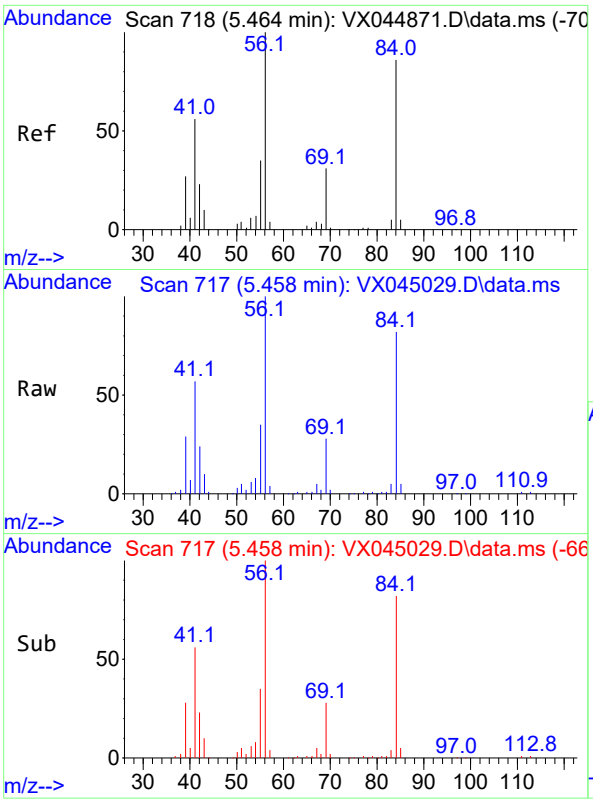


#30
Chloroform
Concen: 48.94 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 83 Resp: 129019

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1

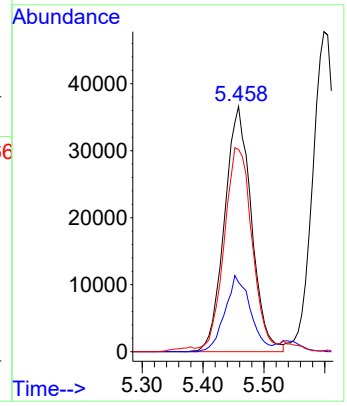




#31
Cyclohexane
Concen: 44.81 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 56 Resp: 11232

Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.4	36.6
84	80.8	69.0	103.6



Instrument :
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ClientSampleId :
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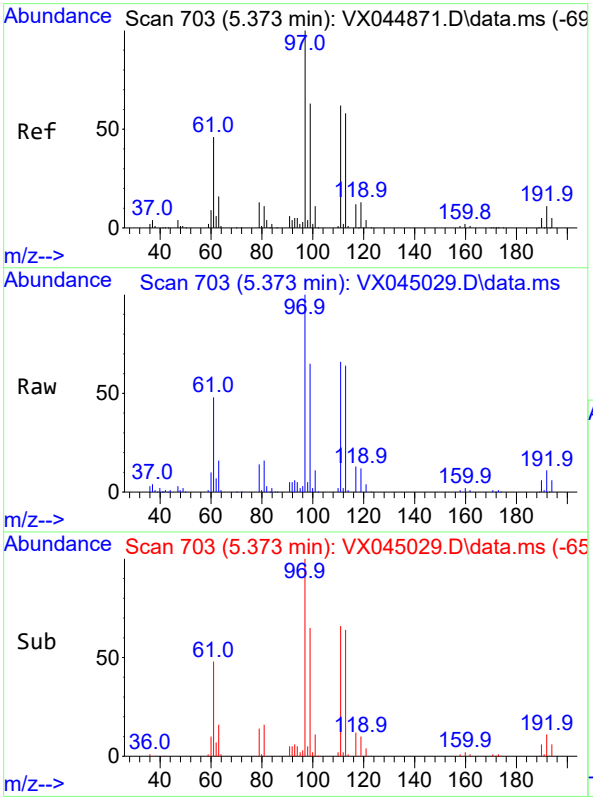
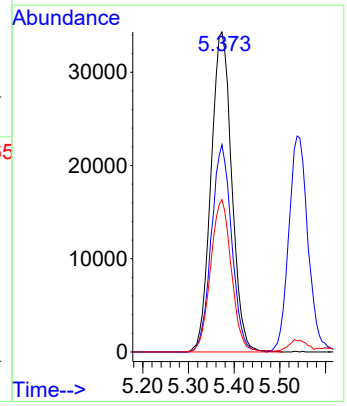
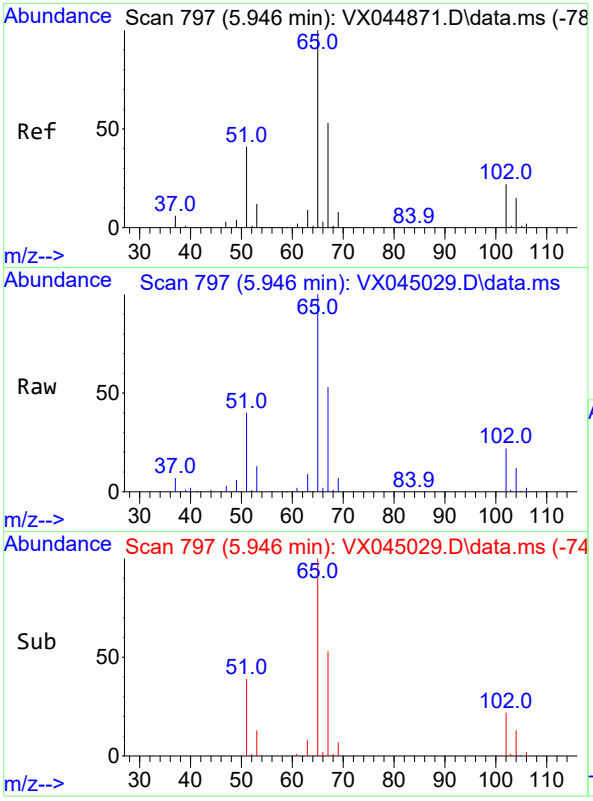


#32
1,1,1-Trichloroethane
Concen: 48.25 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 97 Resp: 107913

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	47.7	36.6	55.0

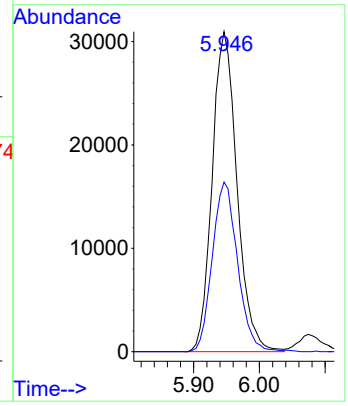




#33
1,2-Dichloroethane-d4
Concen: 50.33 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 65 Resp: 8123

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.2



Instrument :
MSVOA_X
ClientSampleId :
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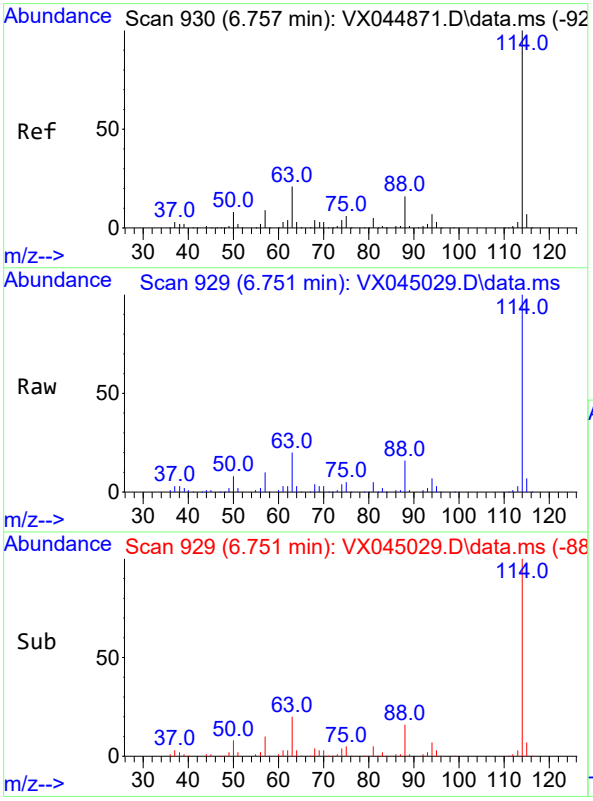
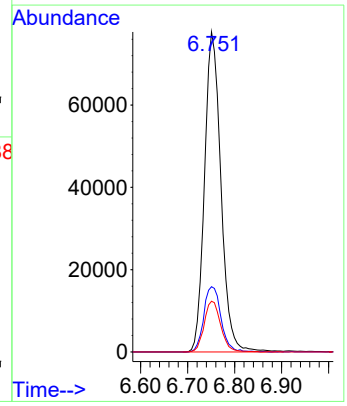
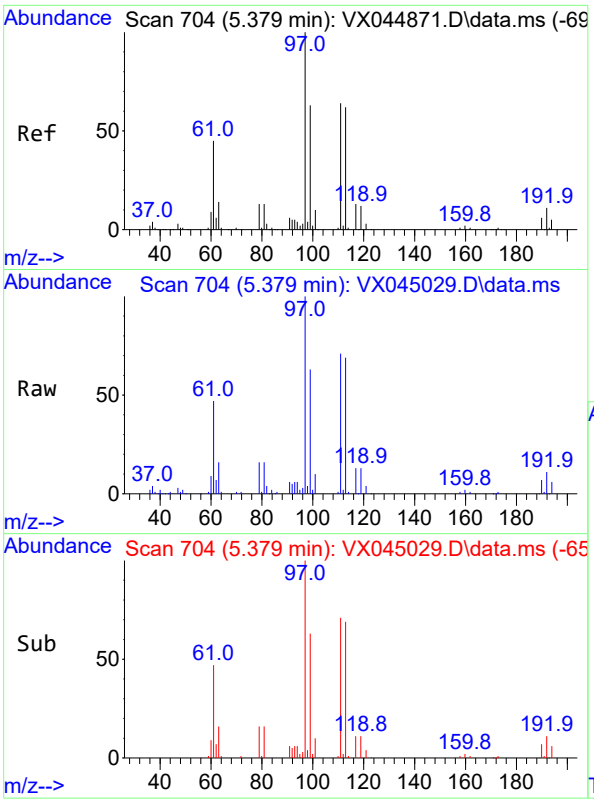


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:114 Resp: 188741

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.4
88	15.9	0.0	31.4

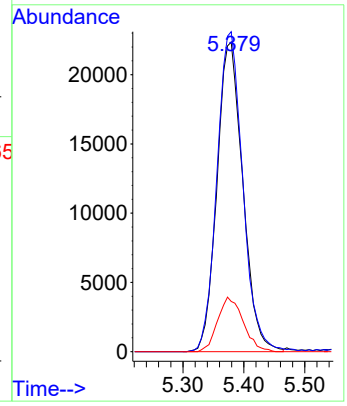




#35
Dibromofluoromethane
Concen: 53.58 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:113 Resp: 6575

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.5	125.3
192	17.5	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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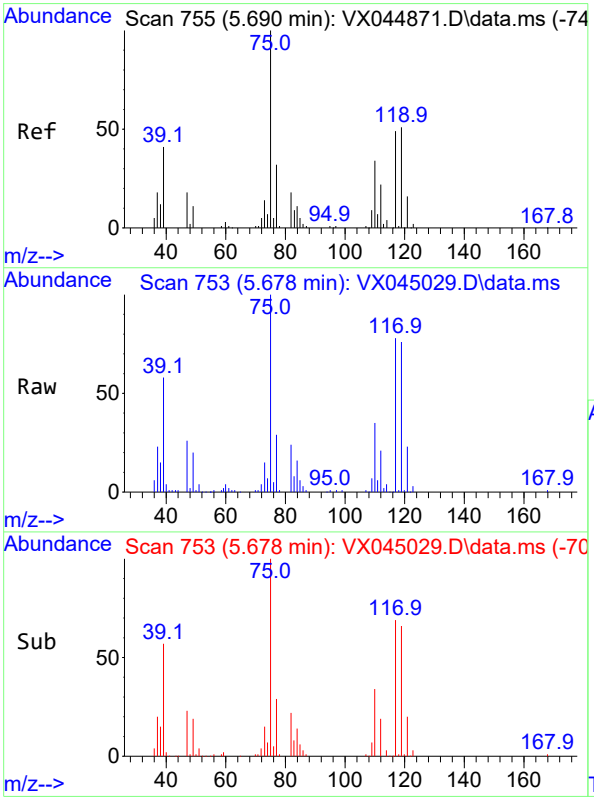
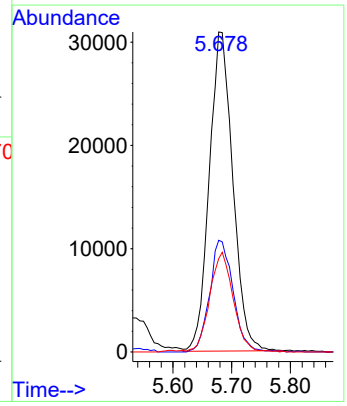
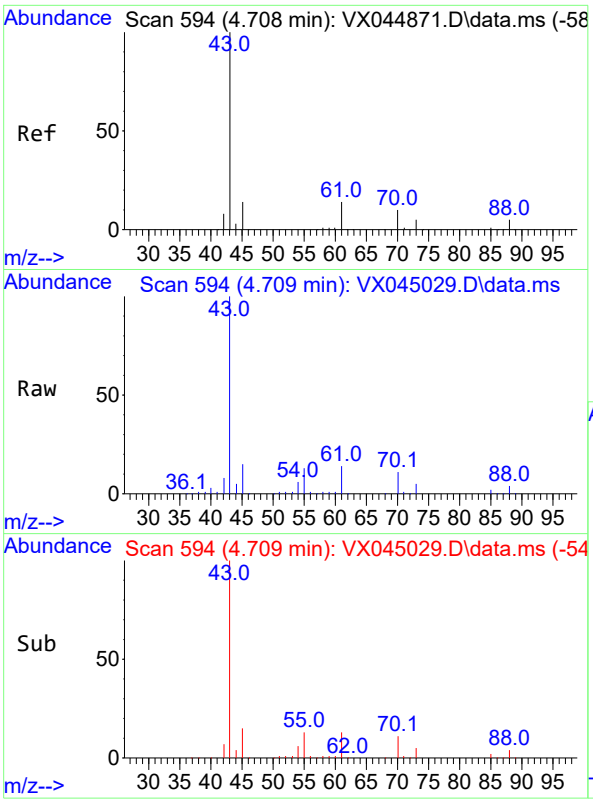


#36
1,1-Dichloropropene
Concen: 48.61 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 86064

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.2	51.6
77	31.3	24.6	37.0

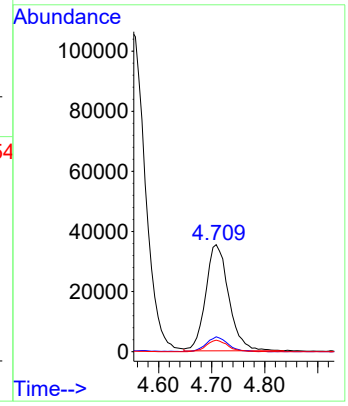




#37
Ethyl Acetate
Concen: 54.24 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 10680

Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.4
70	10.1	8.2	12.2



Instrument :
MSVOA_X
ClientSampleId :
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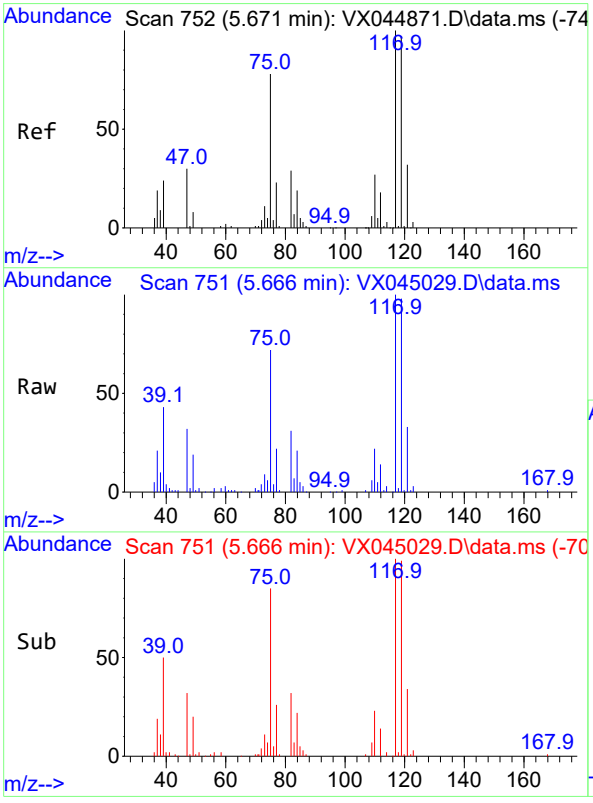
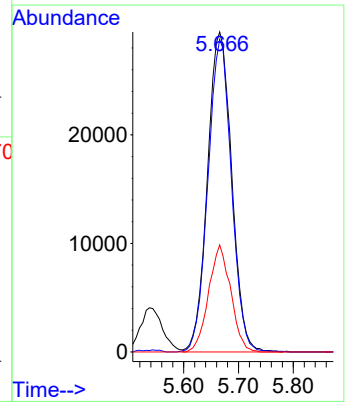
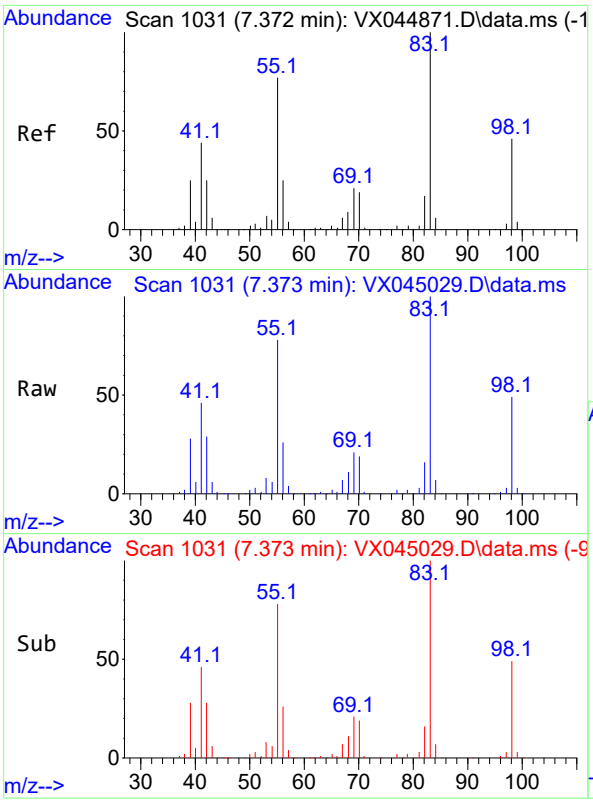


#38
Carbon Tetrachloride
Concen: 52.04 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:117 Resp: 90290

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.5	116.3
121	33.4	25.6	38.4

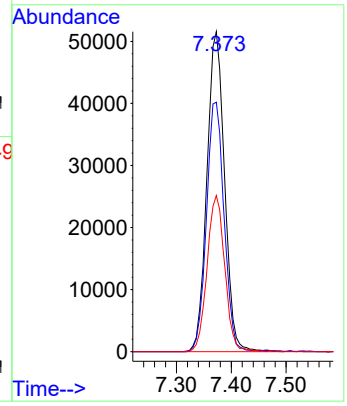




#39
Methylcyclohexane
Concen: 50.21 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 83 Resp: 11493

Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.3	91.9
98	48.8	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
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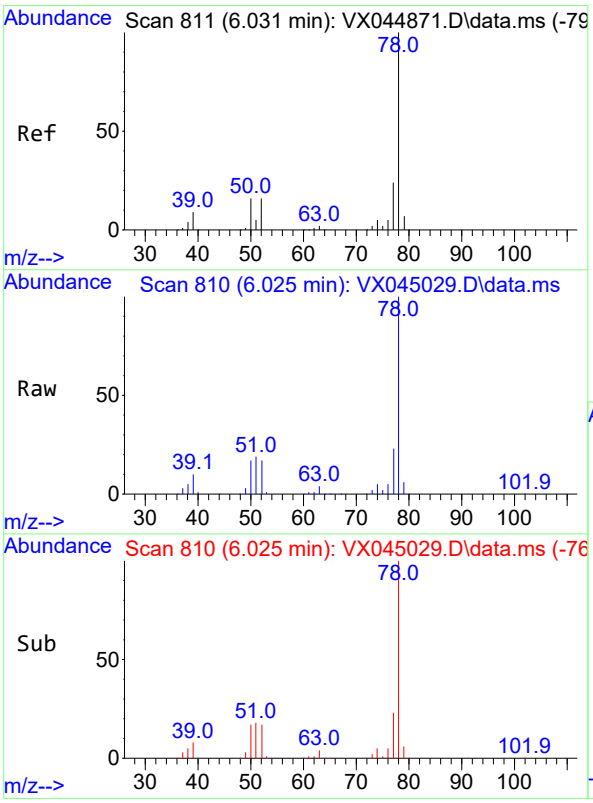
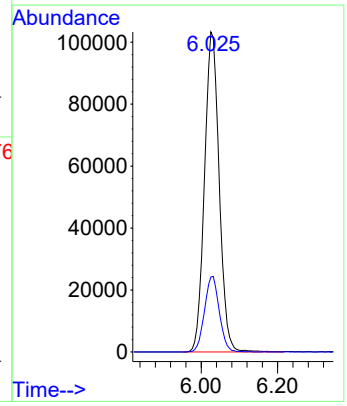
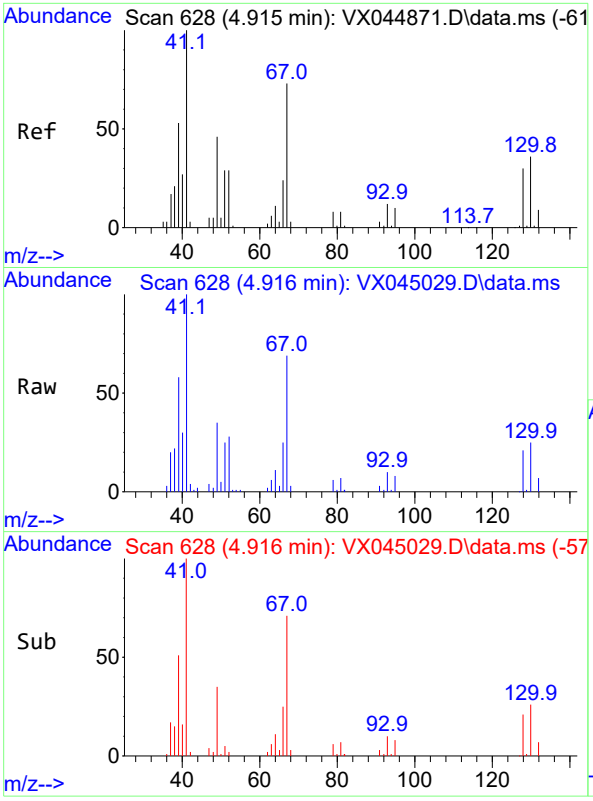


#40
Benzene
Concen: 49.80 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 78 Resp: 275311

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6

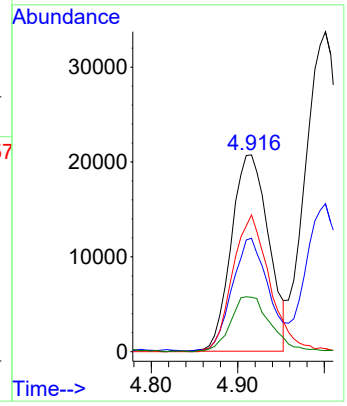




#41
Methacrylonitrile
Concen: 58.64 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 41 Resp: 6181

Ion	Ratio	Lower	Upper
41	100		
39	57.1	43.1	64.7
67	69.7	57.0	85.6
52	30.3	24.0	36.0



Instrument :
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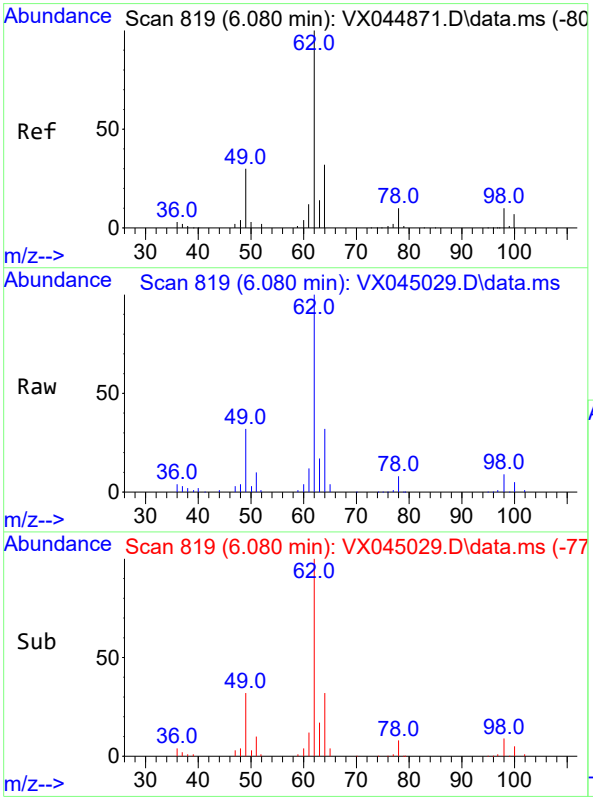
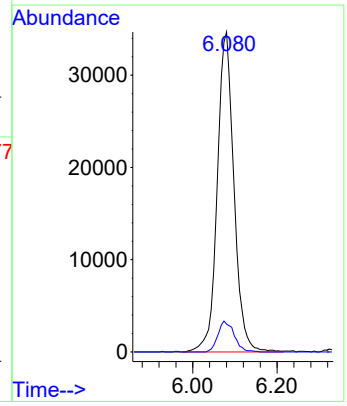
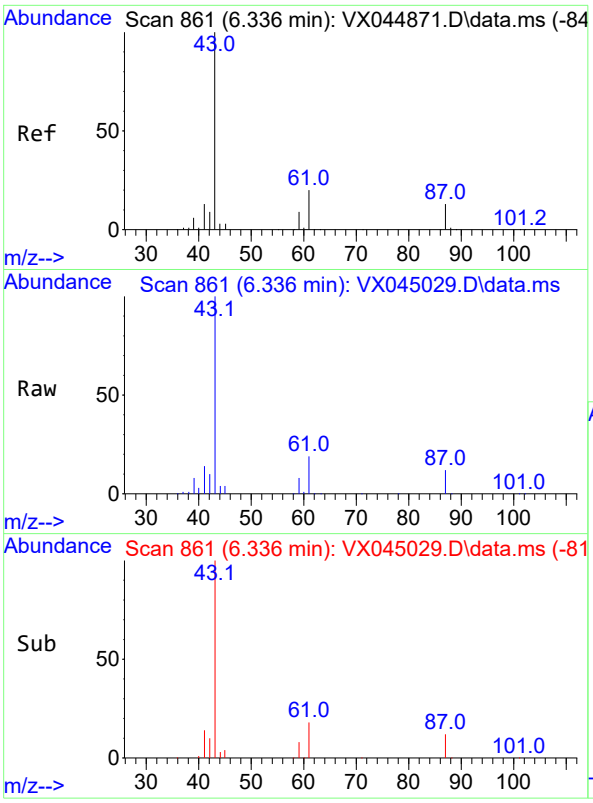


#42
1,2-Dichloroethane
Concen: 54.00 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 62 Resp: 95145

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4

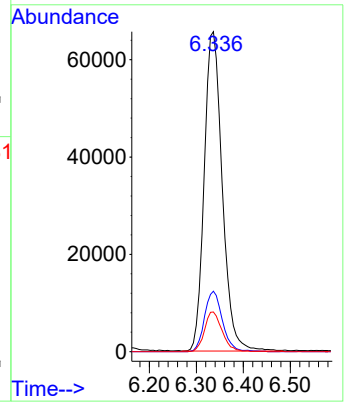




#43
Isopropyl Acetate
Concen: 55.01 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 17492

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.8	23.8
87	12.2	10.0	15.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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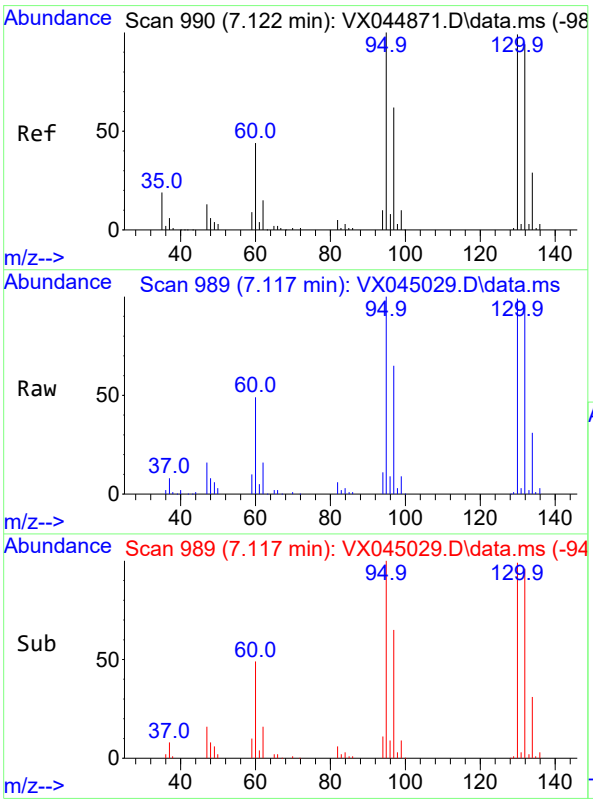
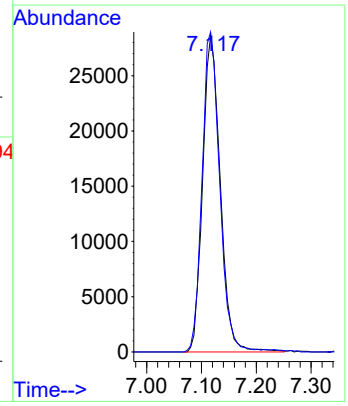
Supervised By :Mahesh Dadoda 02/26/2025

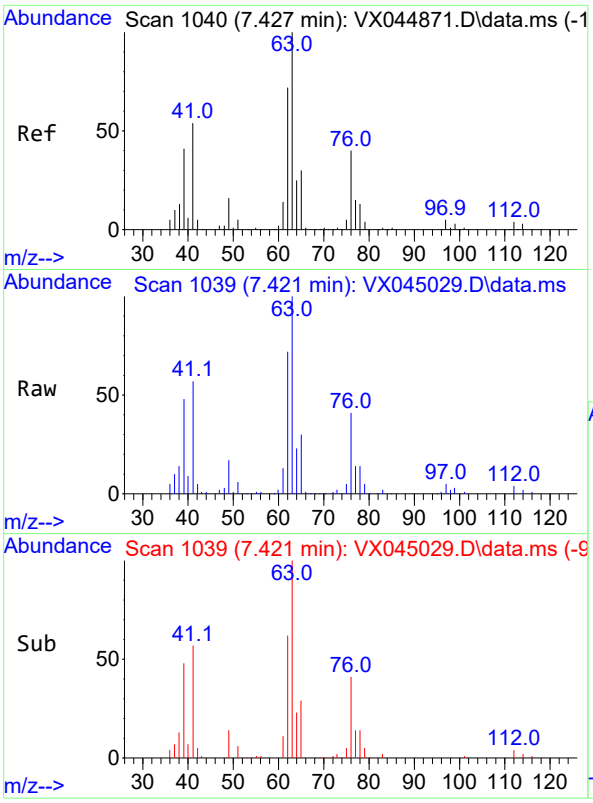


#44
Trichloroethene
Concen: 50.64 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:130 Resp: 63990

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	202.4

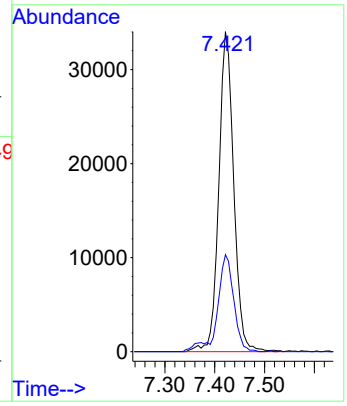




#45
1,2-Dichloropropane
Concen: 51.54 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 63 Resp: 7088

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 02/26/2025
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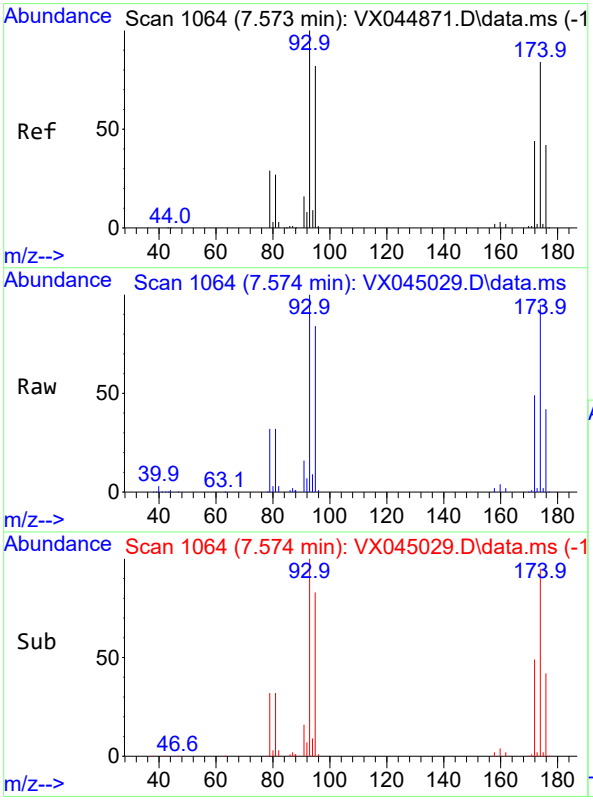
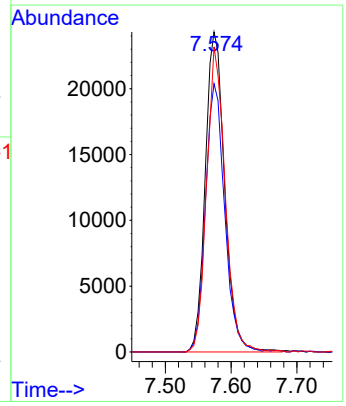
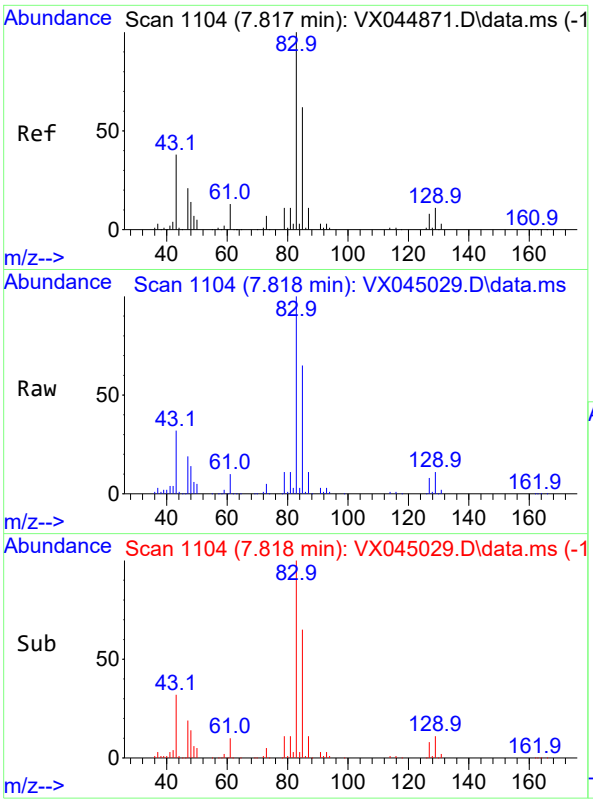


#46
Dibromomethane
Concen: 52.22 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 93 Resp: 49809

Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.2	99.4
174	91.3	69.9	104.9

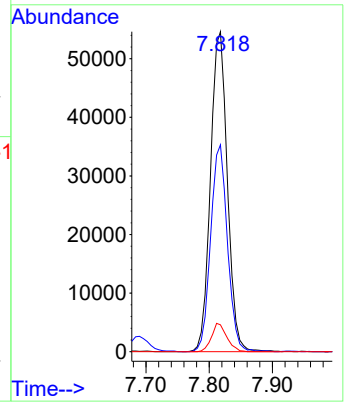




#47
Bromodichloromethane
Concen: 54.96 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 83 Resp: 10151

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.0	75.0
127	8.4	6.4	9.6



Instrument :
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ClientSampleId :
VSTDCCC050

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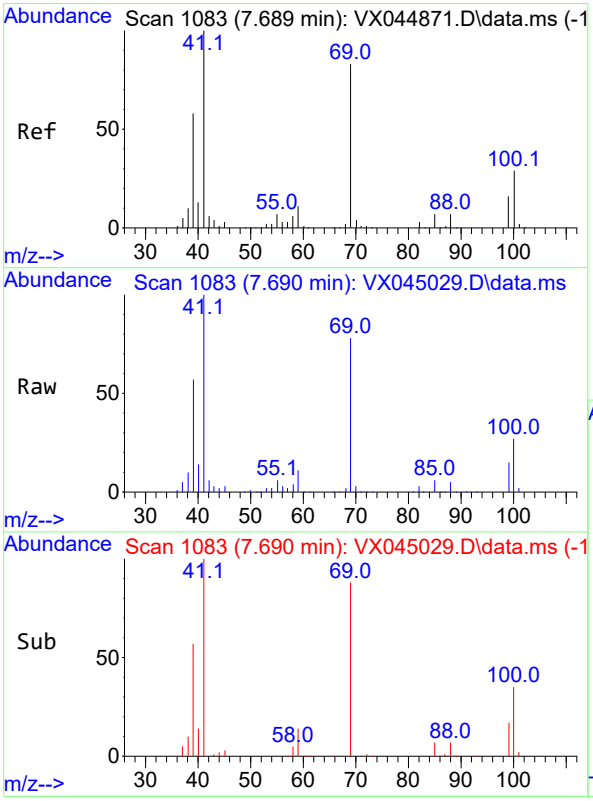
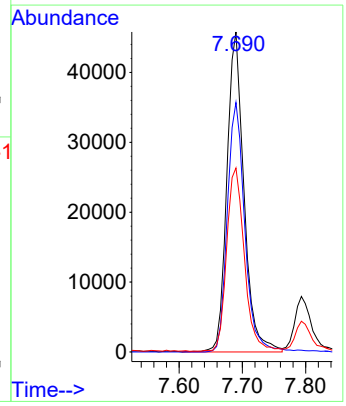
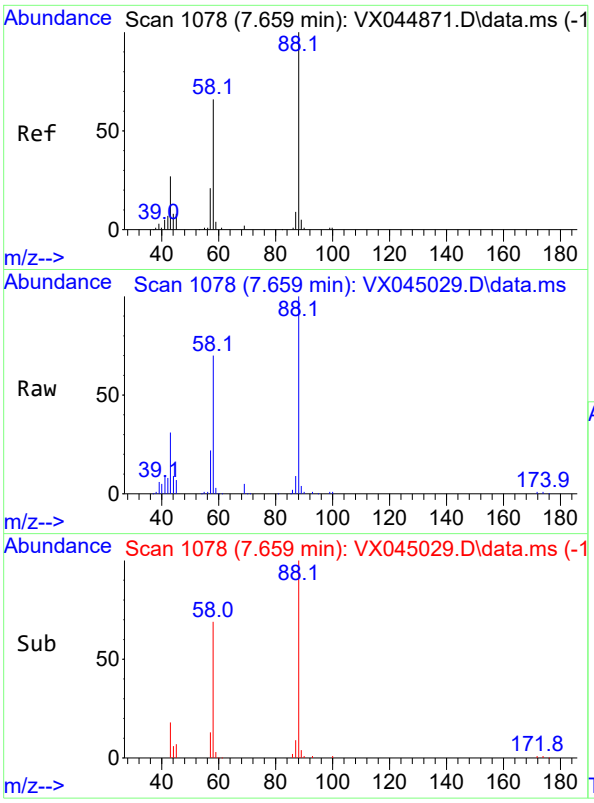


#48
Methyl methacrylate
Concen: 57.15 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 41 Resp: 85683

Ion	Ratio	Lower	Upper
41	100		
69	79.4	65.8	98.8
39	59.3	46.4	69.6

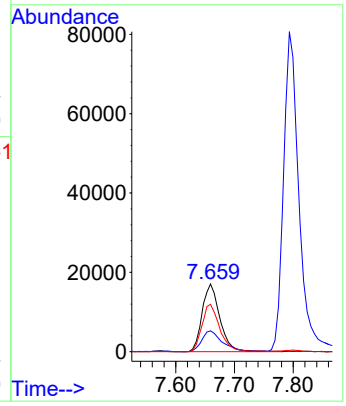




#49
1,4-Dioxane
Concen: 1108.26 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 88 Resp: 3565

Ion	Ratio	Lower	Upper
88	100		
43	36.1	26.6	39.8
58	70.8	55.9	83.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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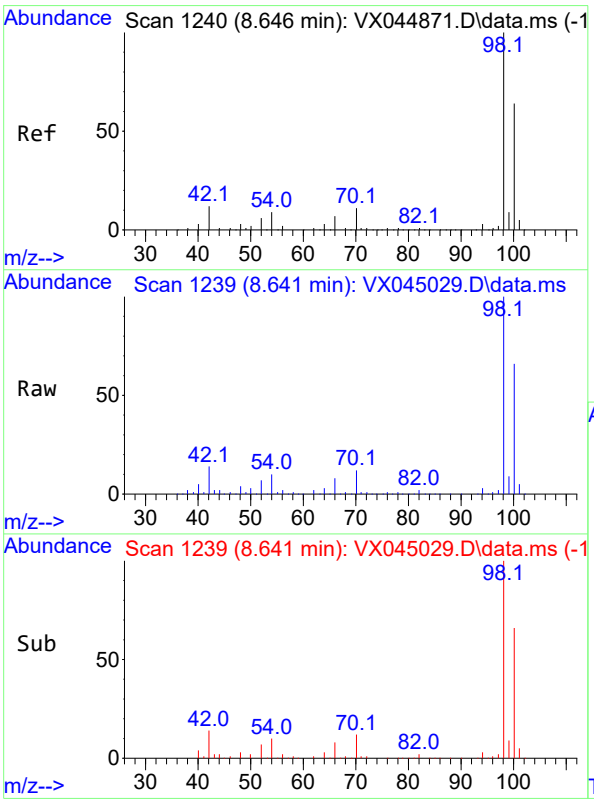
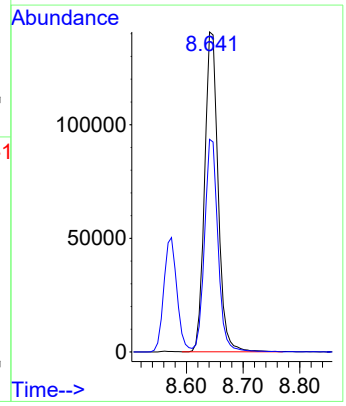
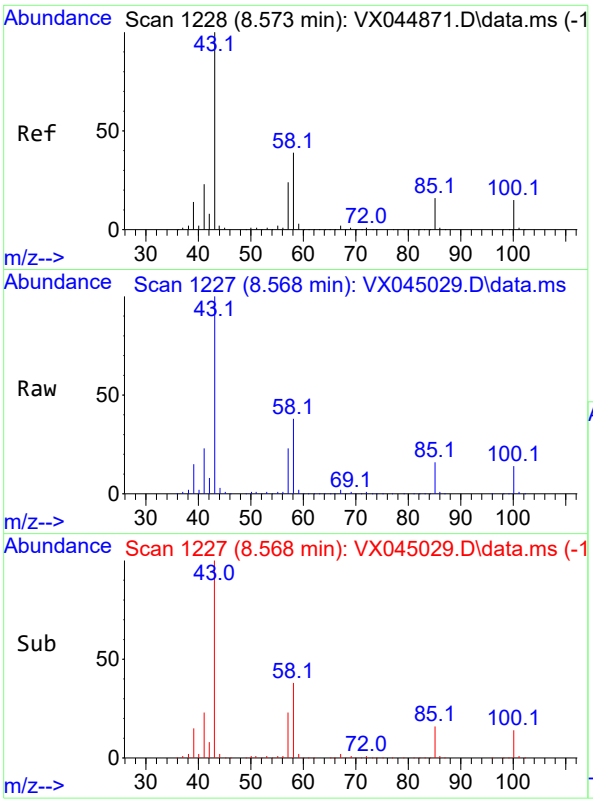


#50
Toluene-d8
Concen: 50.24 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 98 Resp: 233128

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.7	79.1

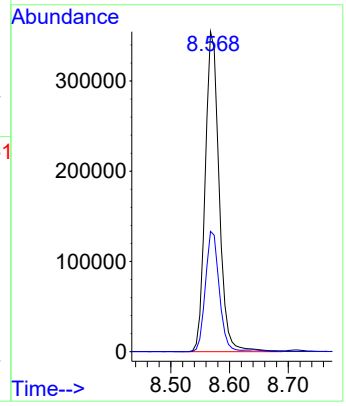




#51
4-Methyl-2-Pentanone
Concen: 301.51 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 58288

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.8	46.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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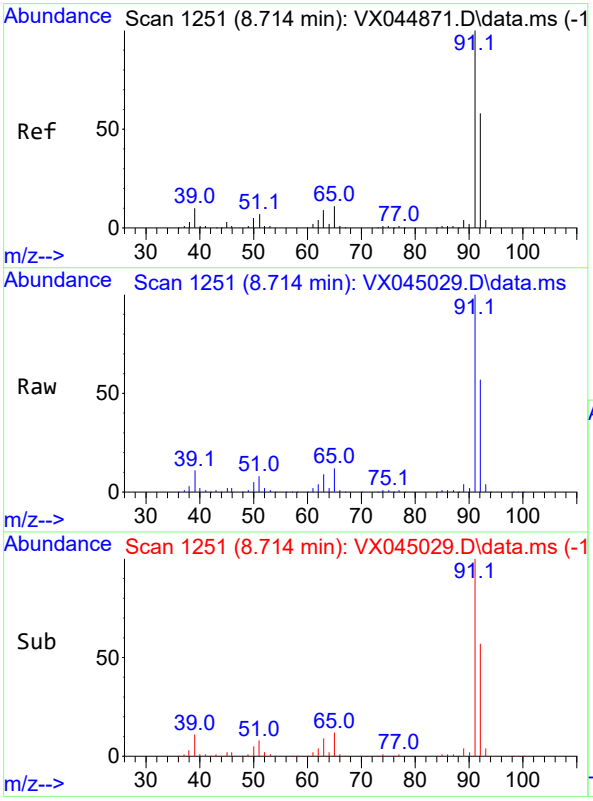
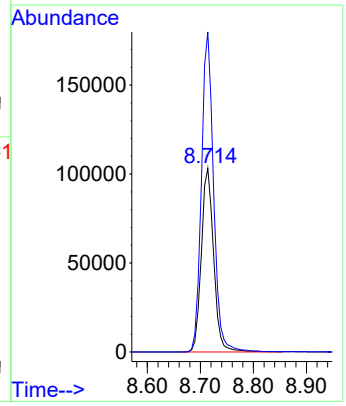
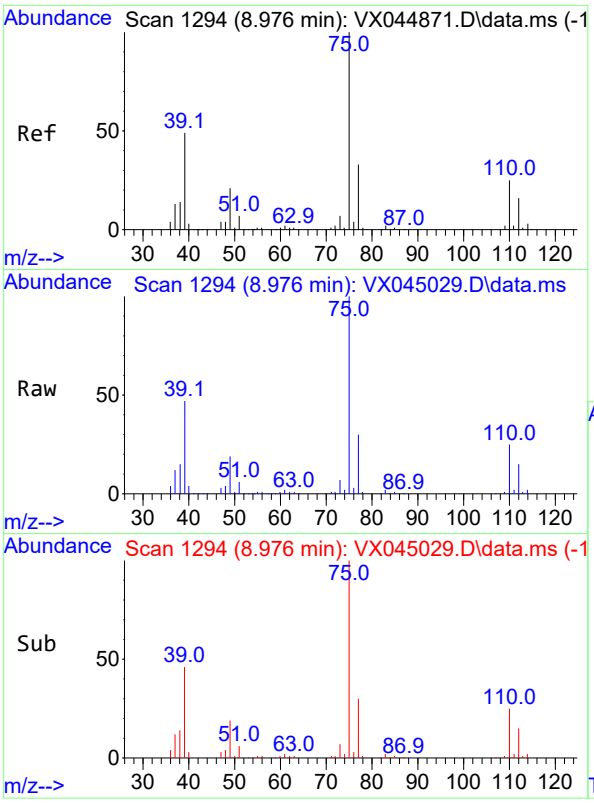


#52
Toluene
Concen: 50.56 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 92 Resp: 166447

Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.4	206.2

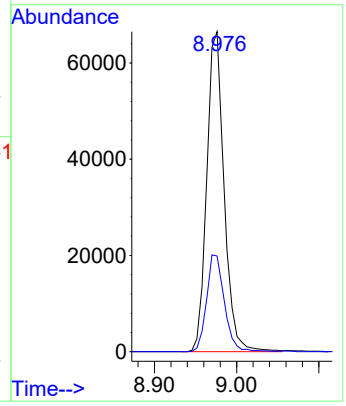




#53
t-1,3-Dichloropropene
Concen: 52.04 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 9726

Ion	Ratio	Lower	Upper
75	100		
77	29.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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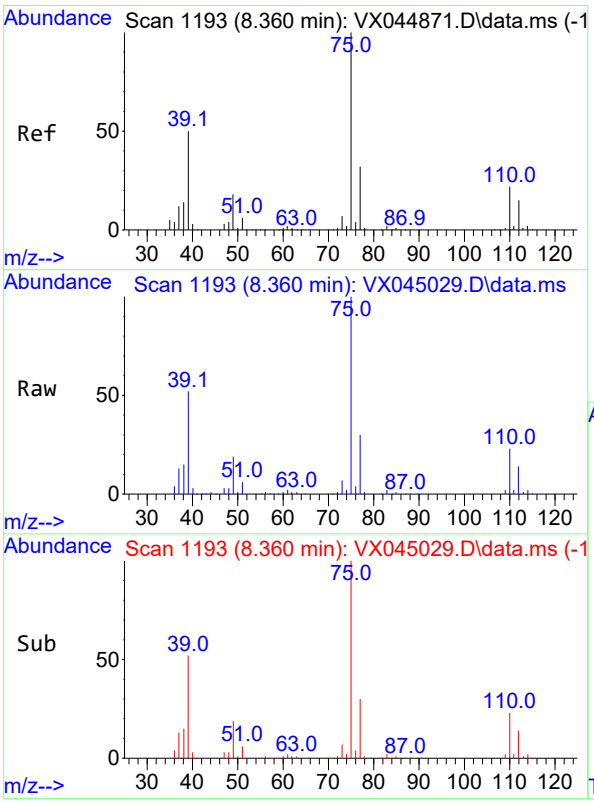
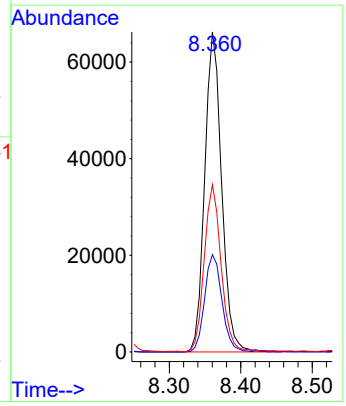
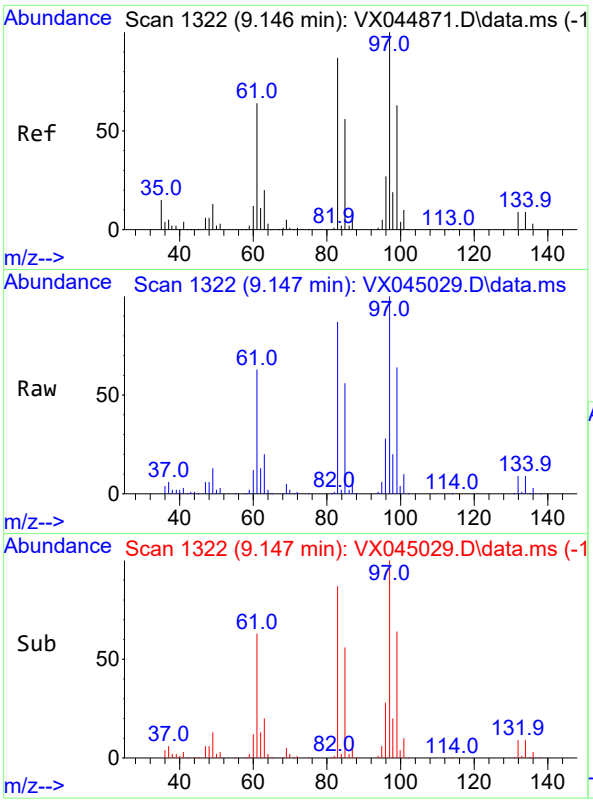


#54
cis-1,3-Dichloropropene
Concen: 52.19 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 108760

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.3	37.9
39	52.2	40.0	60.0

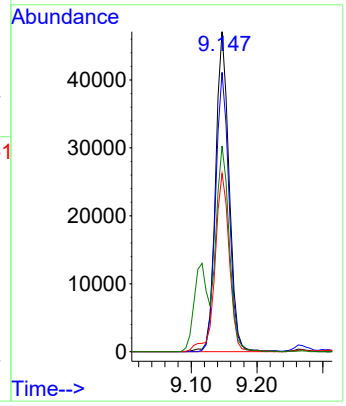




#55
1,1,2-Trichloroethane
Concen: 53.14 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 97 Resp: 6725

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.6
85	55.7	44.8	67.2
99	64.3	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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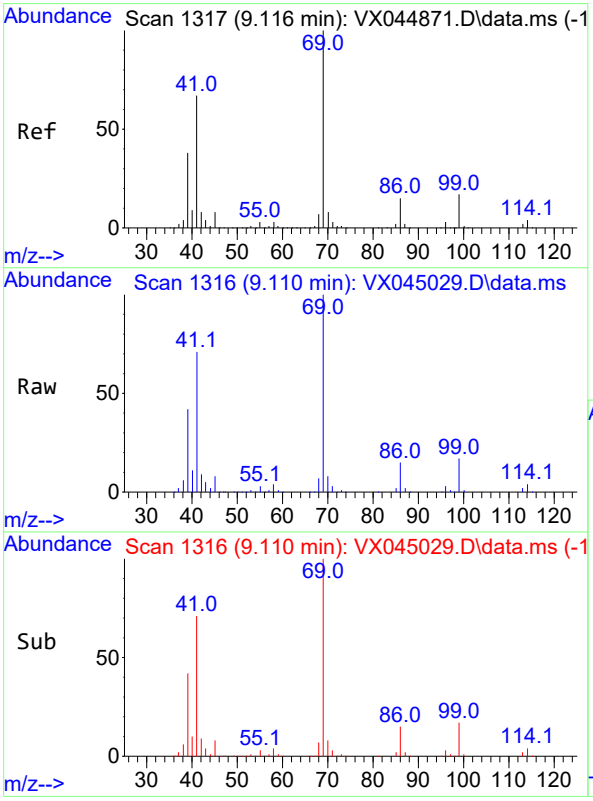
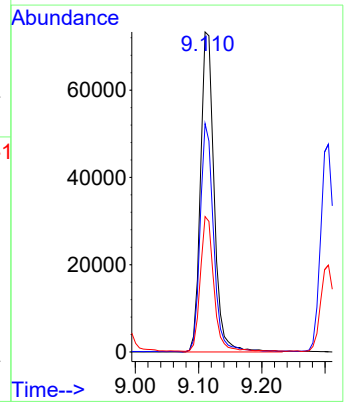
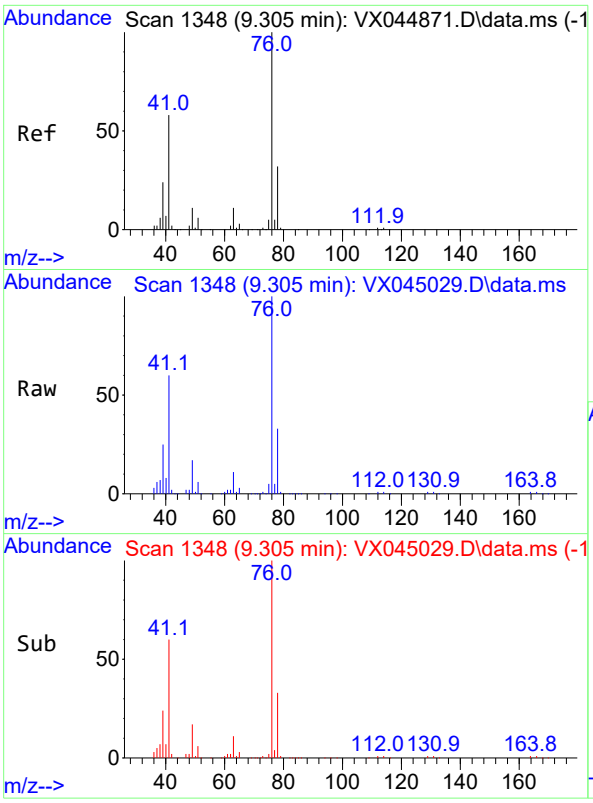


#56
Ethyl methacrylate
Concen: 54.05 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 69 Resp: 110482

Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.2	82.8
39	41.8	30.8	46.2

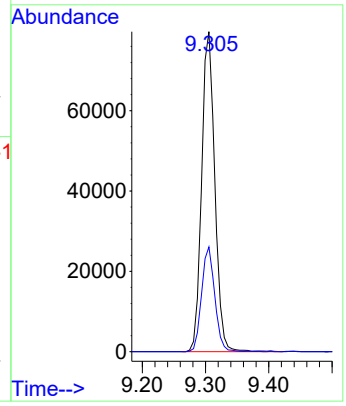




#57
1,3-Dichloropropane
Concen: 52.11 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 76 Resp: 11540

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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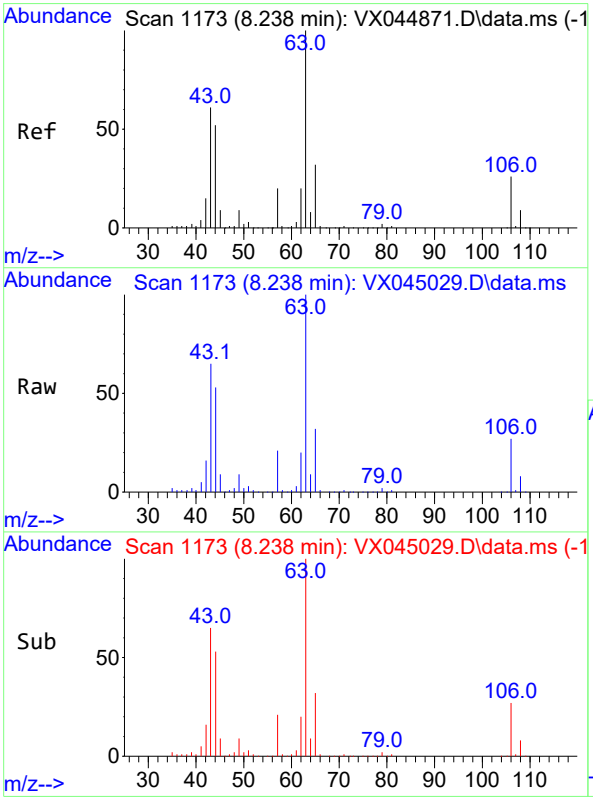
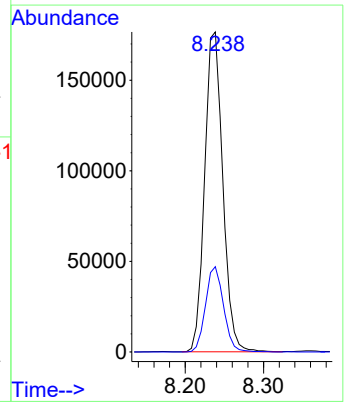
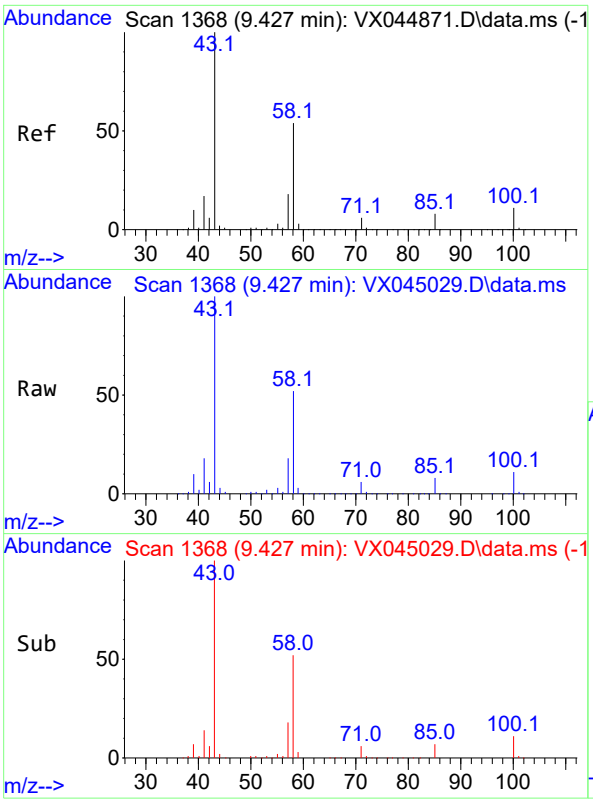


#58
2-Chloroethyl Vinyl ether
Concen: 282.70 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 63 Resp: 283740

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.3	31.9

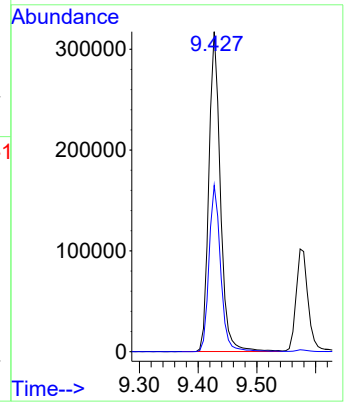




#59
2-Hexanone
Concen: 310.51 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 43251

Ion	Ratio	Lower	Upper
43	100		
58	52.6	27.5	82.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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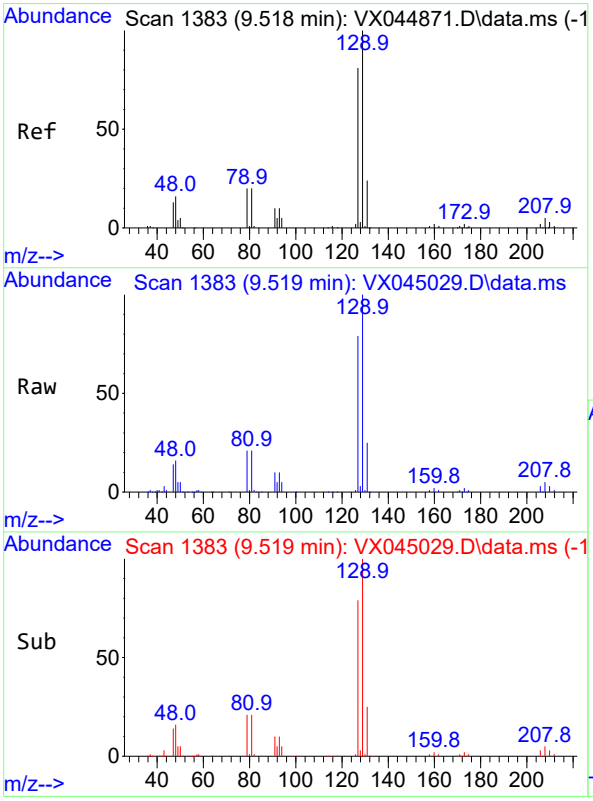
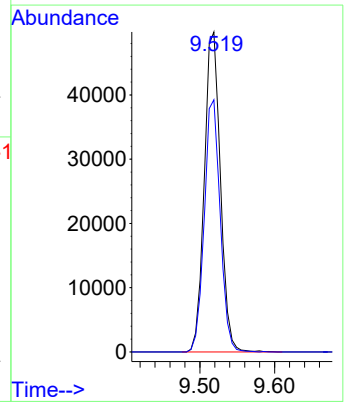
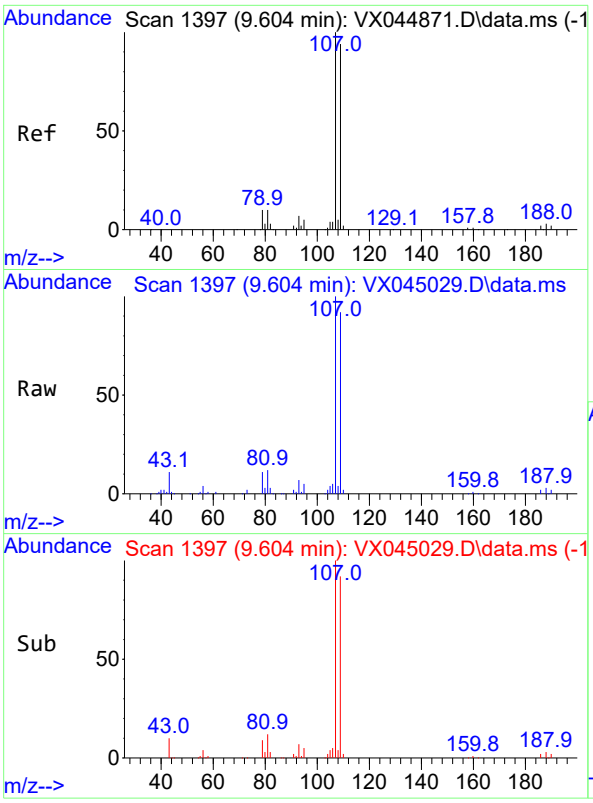


#60
Dibromochloromethane
Concen: 54.99 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:129 Resp: 74430

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.3





#61
1,2-Dibromoethane
Concen: 53.75 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:107 Resp: 6895

Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.9	113.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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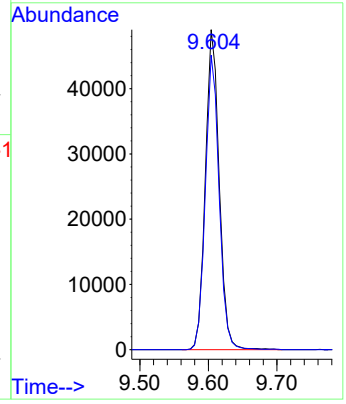
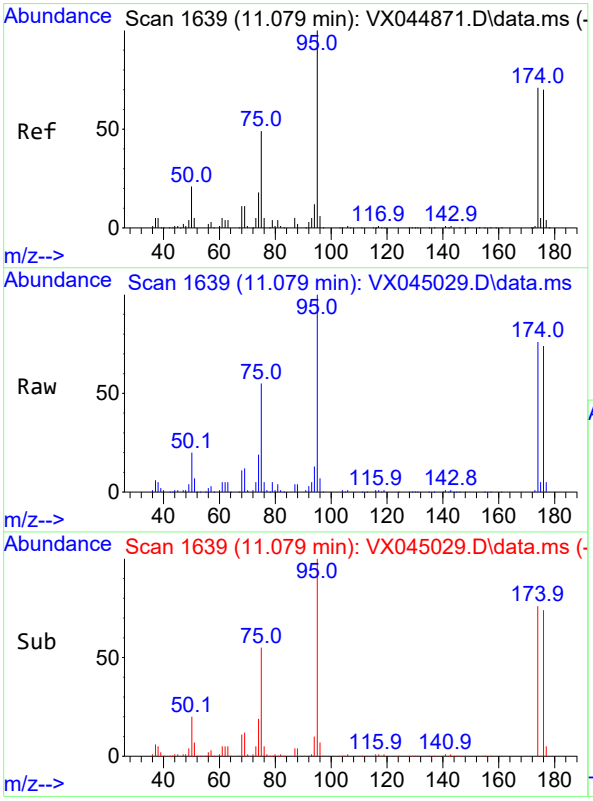
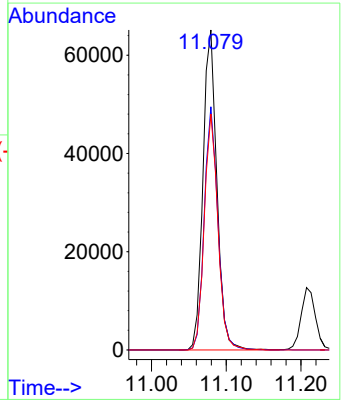


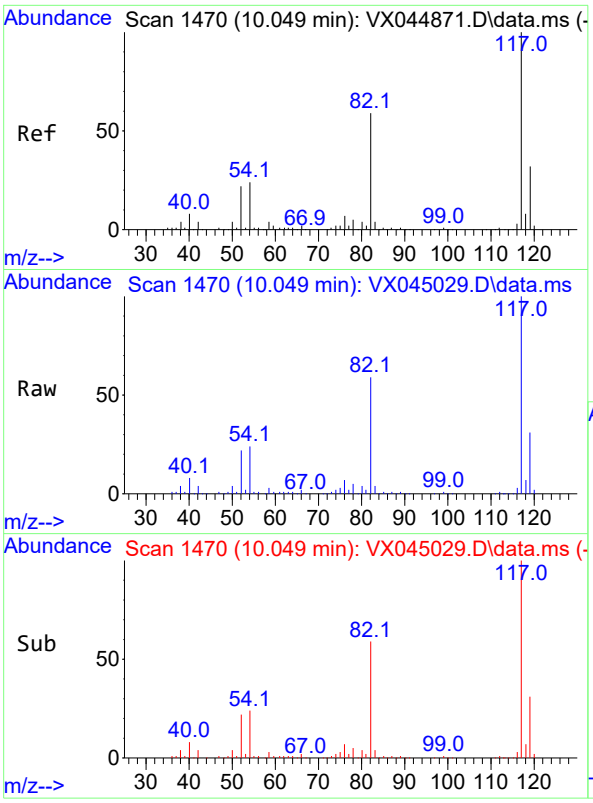


#62
4-Bromofluorobenzene
Concen: 53.74 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 95 Resp: 84075

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	142.6
176	72.5	0.0	141.6

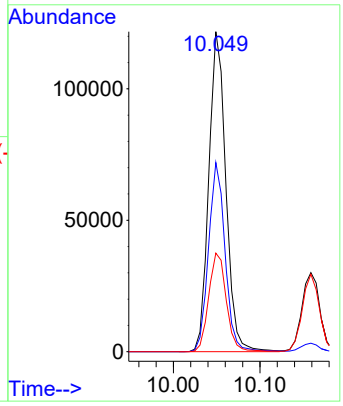




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:117 Resp: 16633

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.5	71.3
119	30.8	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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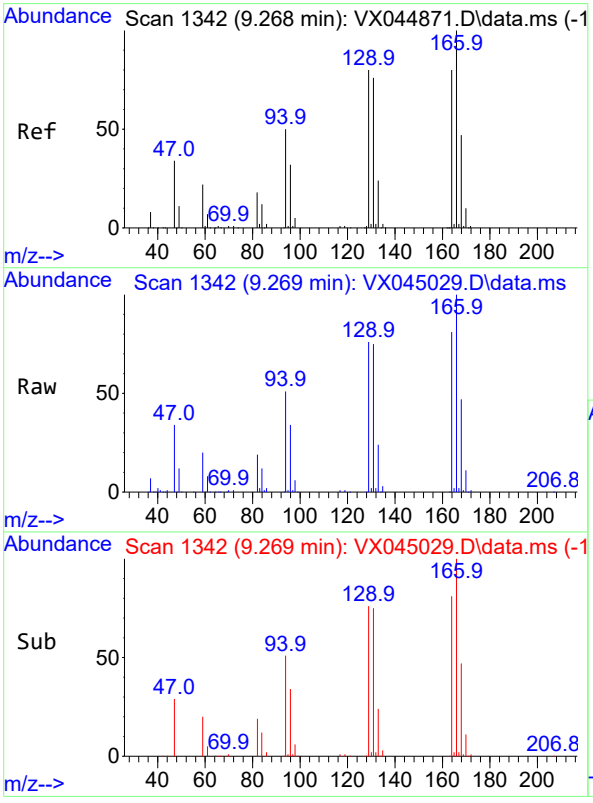
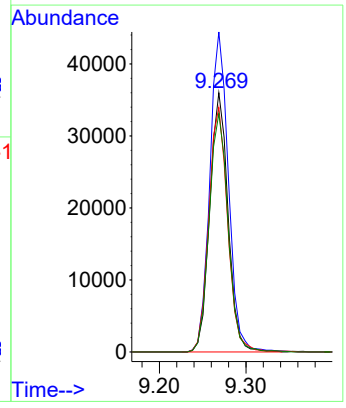
Supervised By :Mahesh Dadoda 02/26/2025

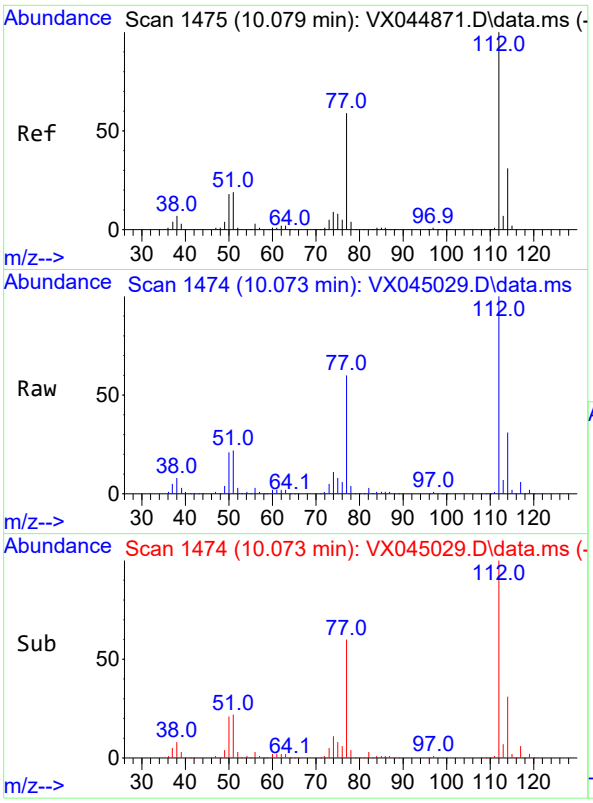


#64
Tetrachloroethene
Concen: 50.51 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:164 Resp: 52979

Ion	Ratio	Lower	Upper
164	100		
166	123.4	100.4	150.6
129	94.3	79.9	119.9
131	92.0	75.9	113.9

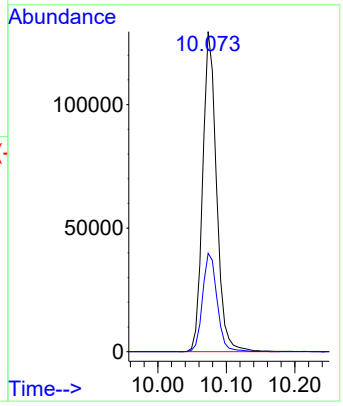




#65
Chlorobenzene
Concen: 51.05 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:112 Resp: 18239

Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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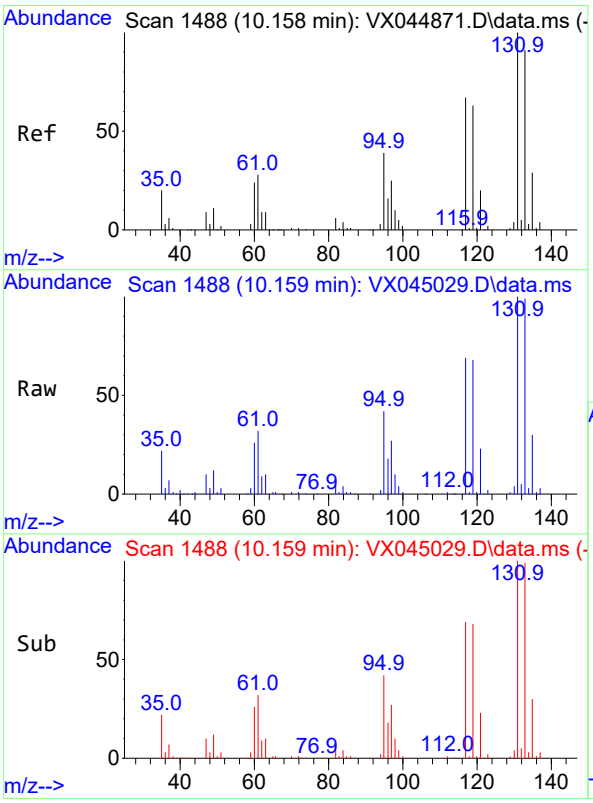
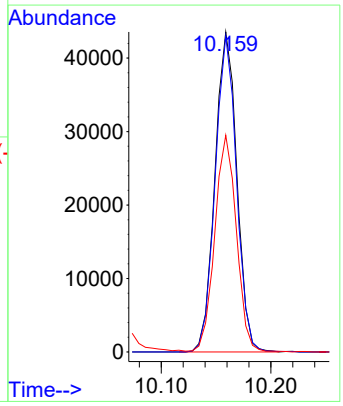
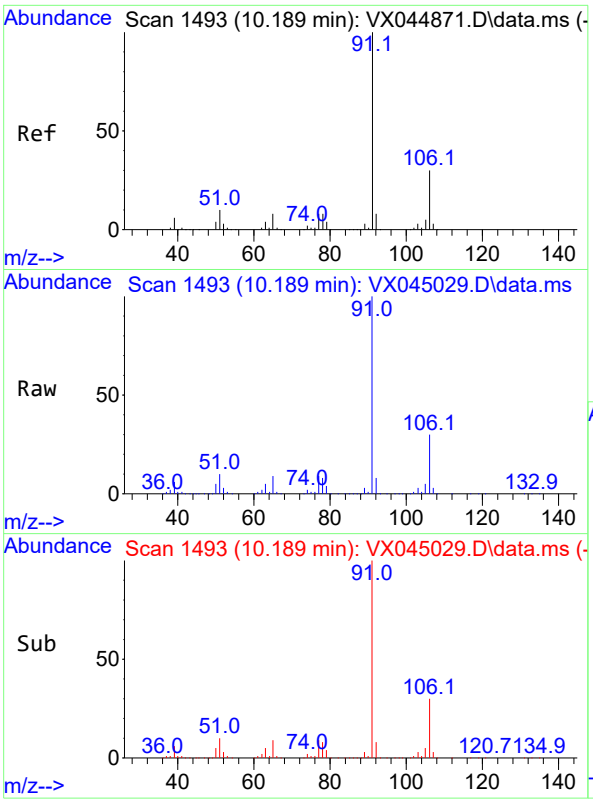


#66
1,1,1,2-Tetrachloroethane
Concen: 52.57 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:131 Resp: 60454

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.1	141.3
119	67.0	33.6	100.6

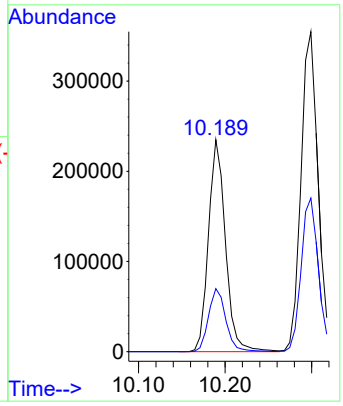




#67
Ethyl Benzene
Concen: 50.84 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 32050

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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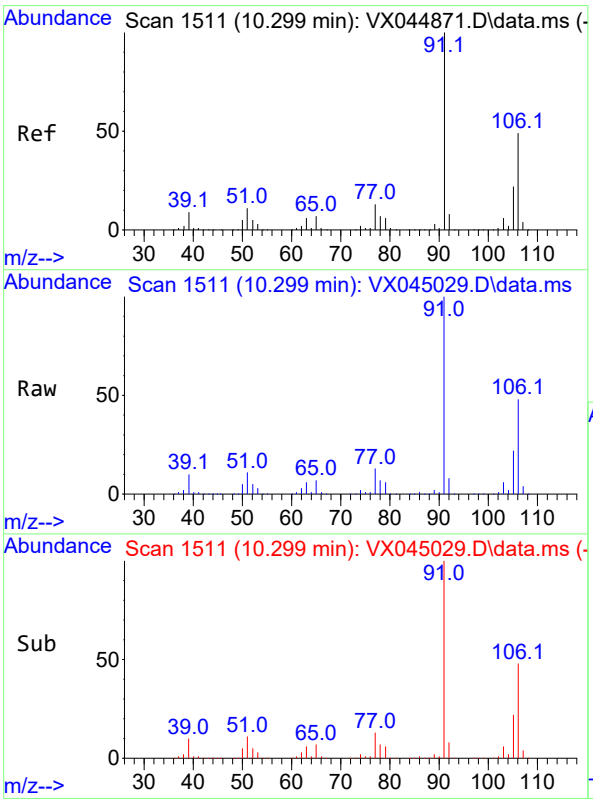
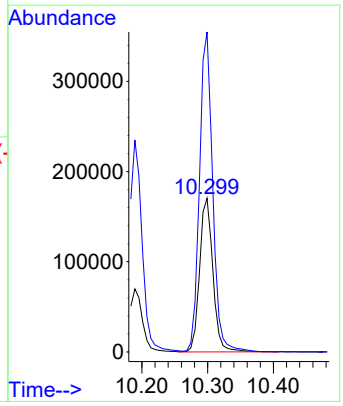
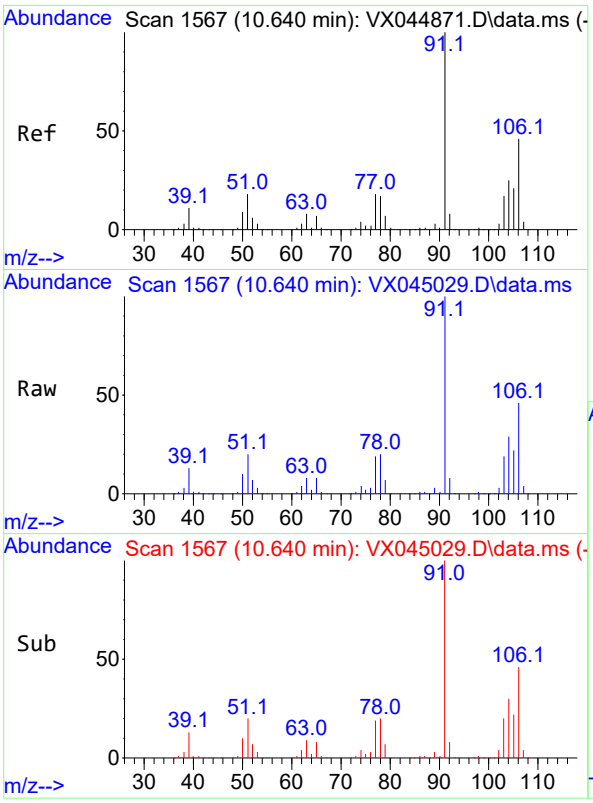


#68
m/p-Xylenes
Concen: 102.93 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:106 Resp: 239374

Ion	Ratio	Lower	Upper
106	100		
91	206.6	164.3	246.5

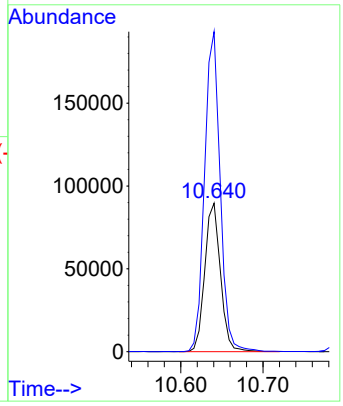




#69
o-Xylene
Concen: 51.03 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:106 Resp: 11907

Ion	Ratio	Lower	Upper
106	100		
91	214.3	108.5	325.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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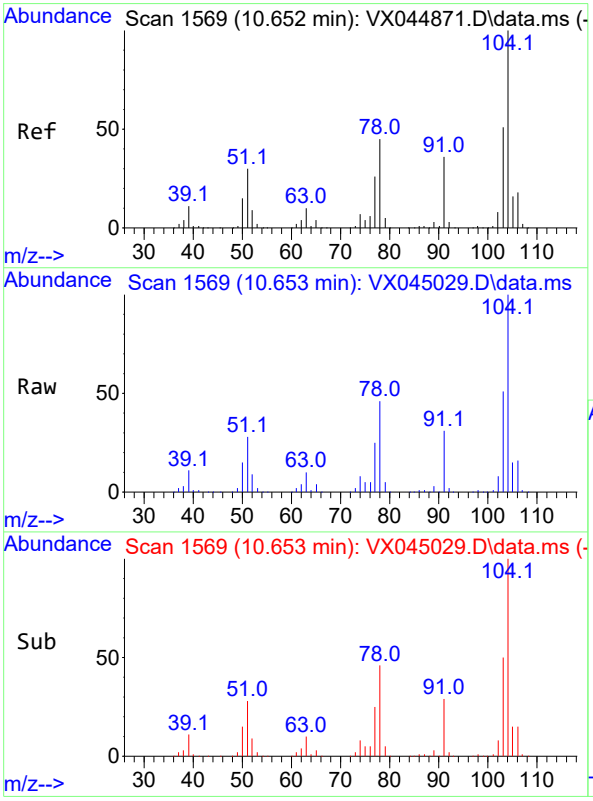
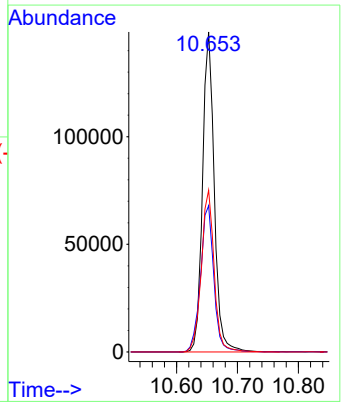
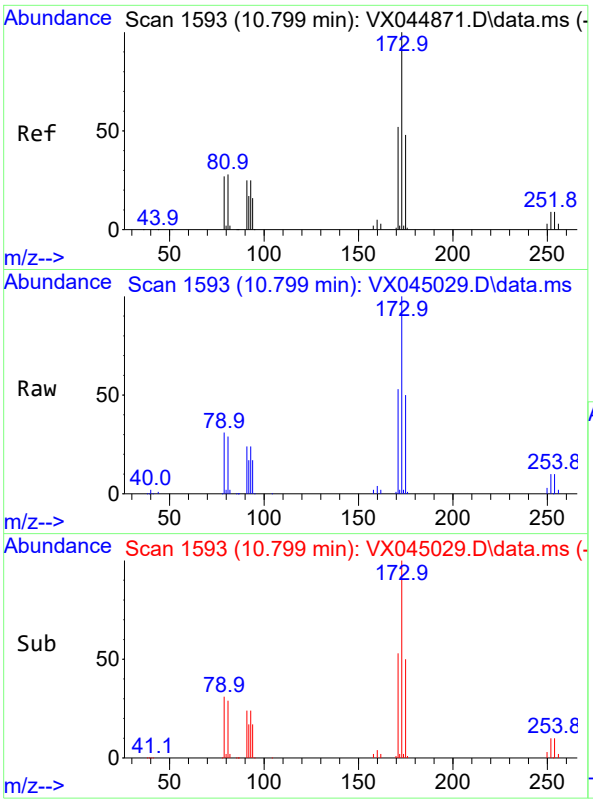


#70
Styrene
Concen: 53.09 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:104 Resp: 199603

Ion	Ratio	Lower	Upper
104	100		
78	52.0	40.5	60.7
103	55.3	43.6	65.4

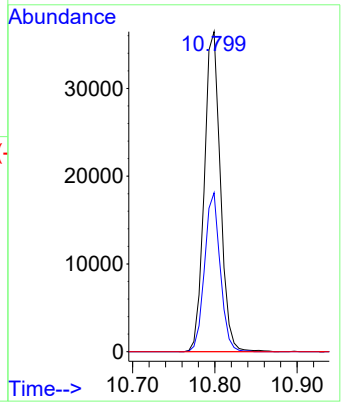




#71
Bromoform
Concen: 57.66 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:173 Resp: 4948

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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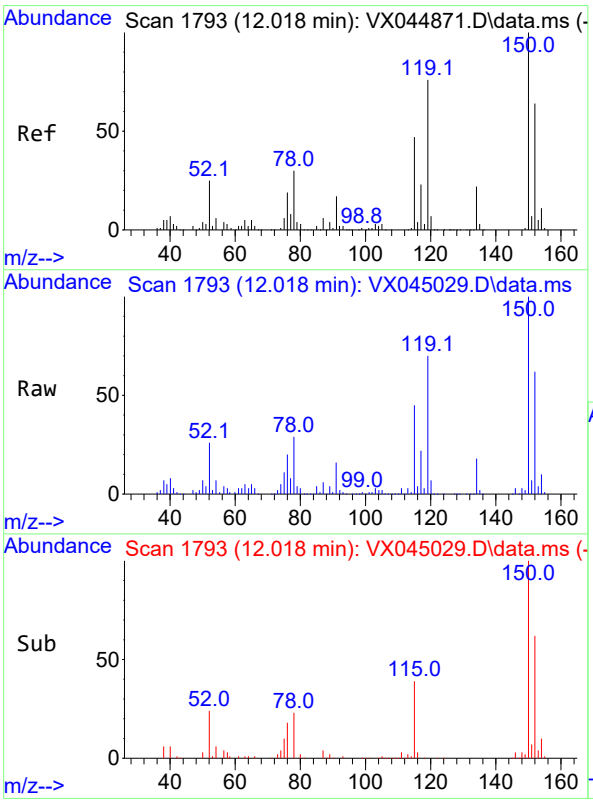
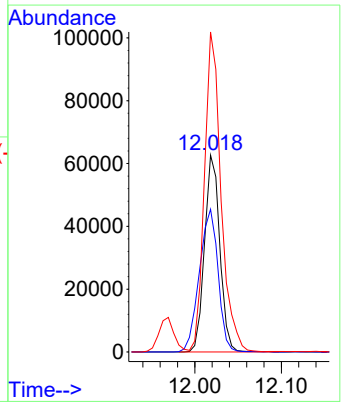
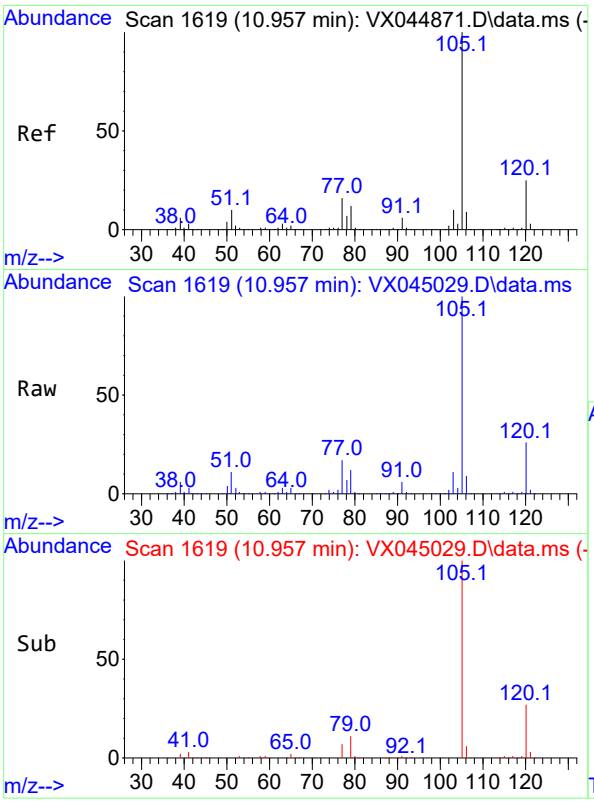


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:152 Resp: 76720

Ion	Ratio	Lower	Upper
152	100		
115	89.0	43.4	130.1
150	176.1	0.0	350.4

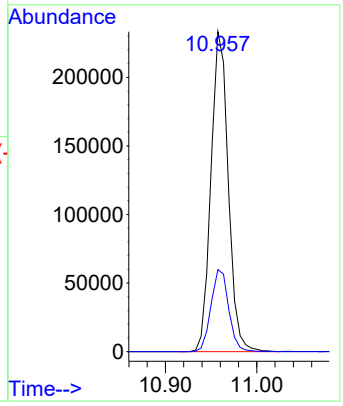




#73
Isopropylbenzene
Concen: 49.54 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 30603

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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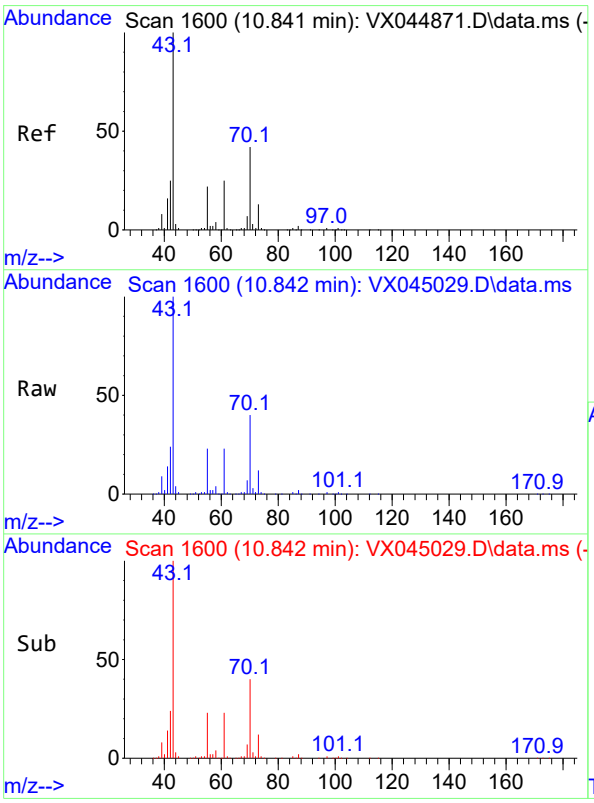
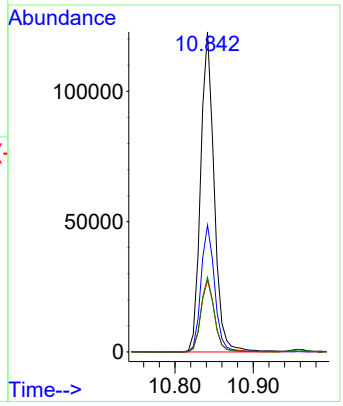
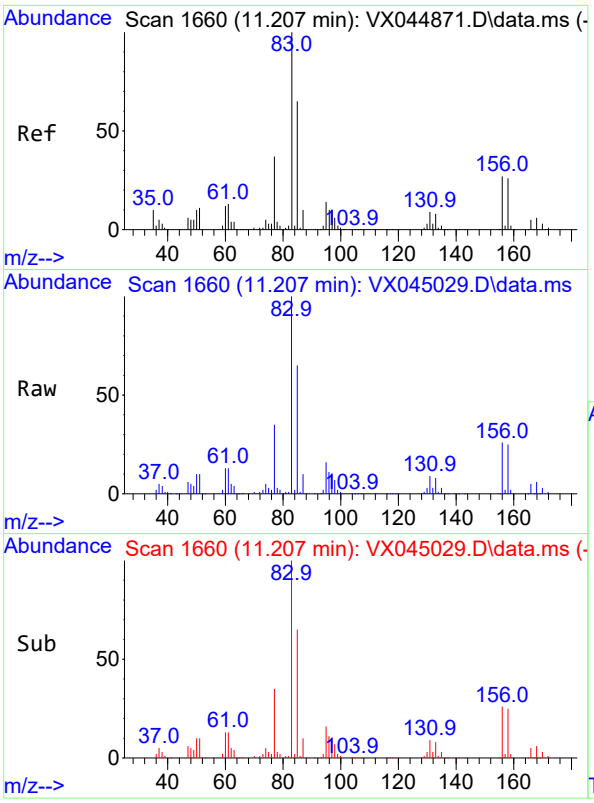


#74
N-amyl acetate
Concen: 52.79 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 147566

Ion	Ratio	Lower	Upper
43	100		
70	39.9	33.7	50.5
55	22.7	18.6	27.8
61	23.0	19.1	28.7

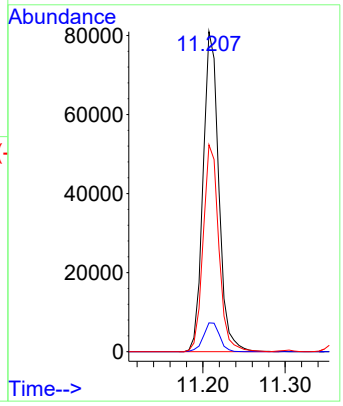




#75
1,1,2,2-Tetrachloroethane
Concen: 50.43 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 83 Resp: 10706

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.5
85	64.6	32.3	96.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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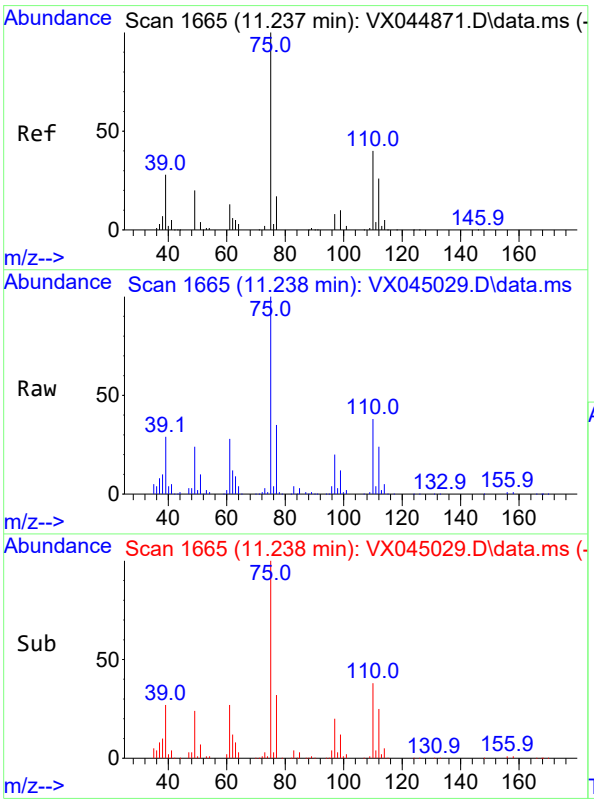
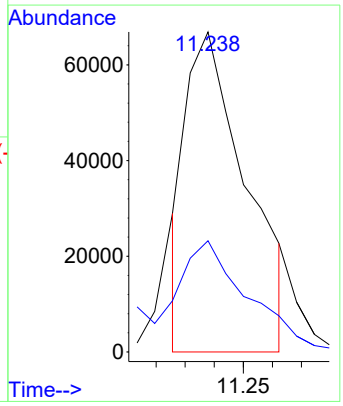
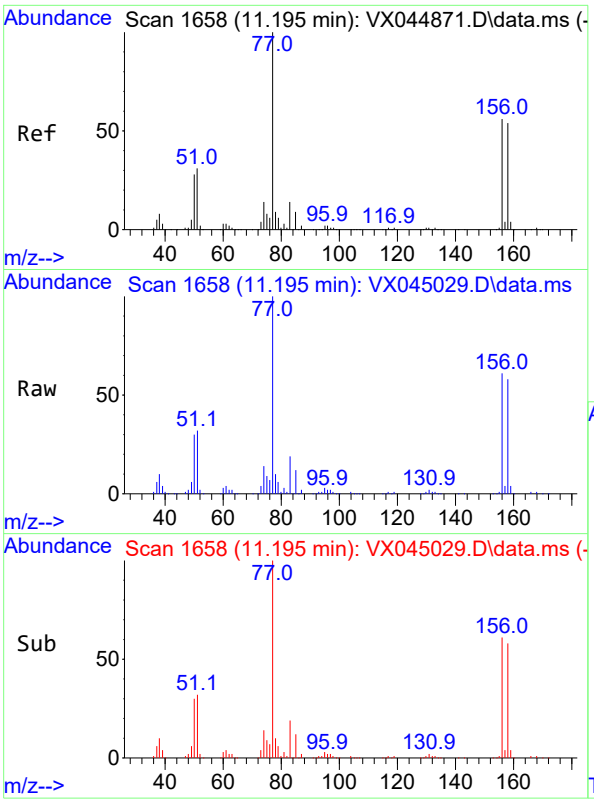


#76
1,2,3-Trichloropropane
Concen: 56.58 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 96249

Ion	Ratio	Lower	Upper
75	100		
77	39.5	21.9	65.7

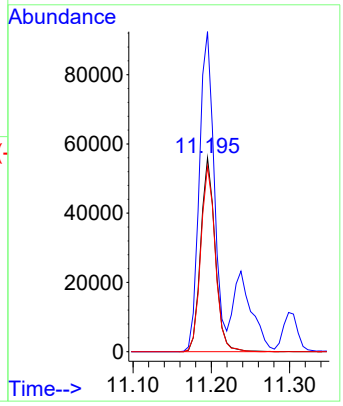




#77
Bromobenzene
Concen: 51.29 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:156 Resp: 7183

Ion	Ratio	Lower	Upper
156	100		
77	170.2	88.4	265.3
158	96.3	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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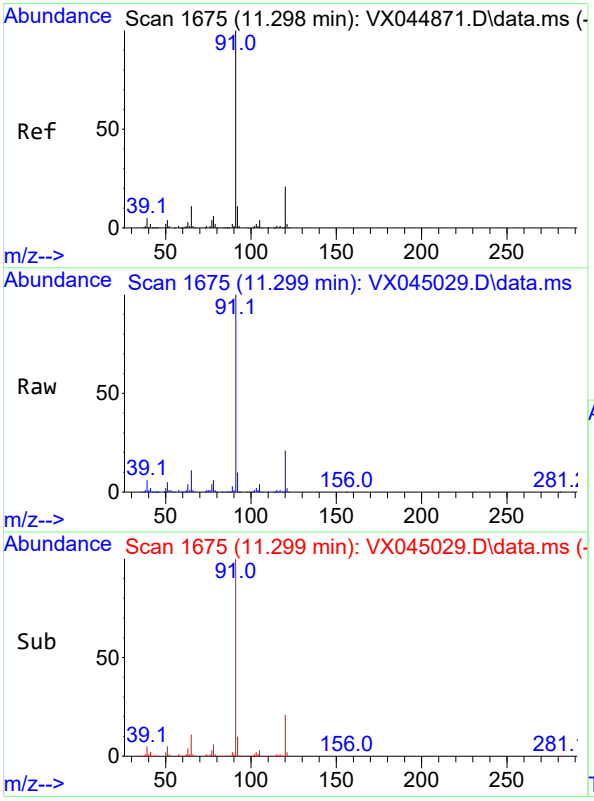
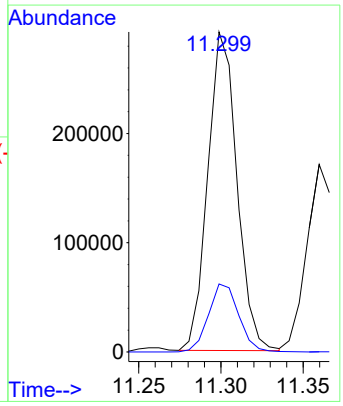
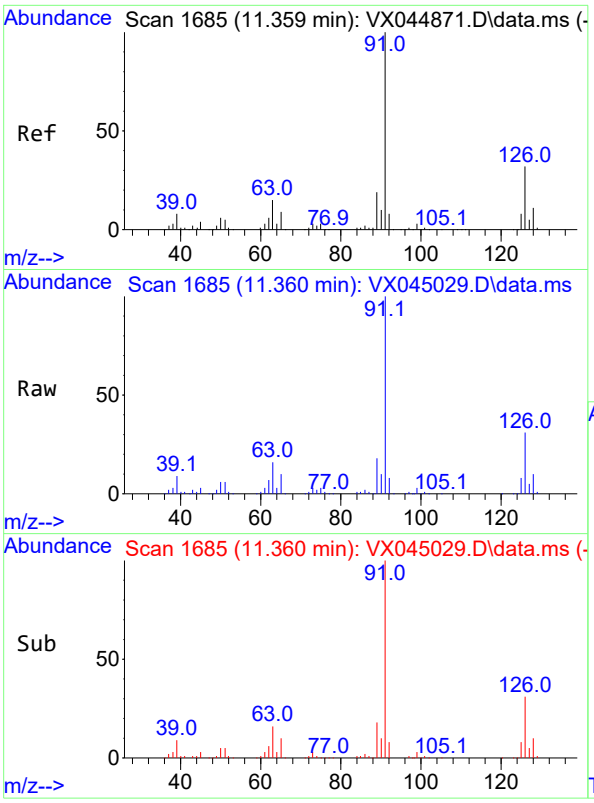


#78
n-propylbenzene
Concen: 50.33 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 358862

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3

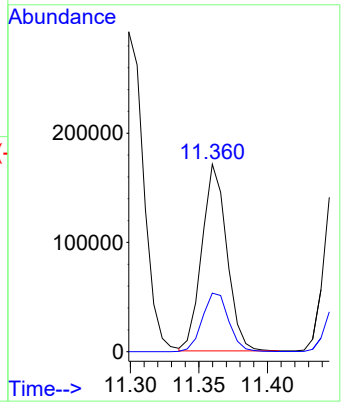




#79
2-Chlorotoluene
Concen: 49.41 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 21651

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.2	48.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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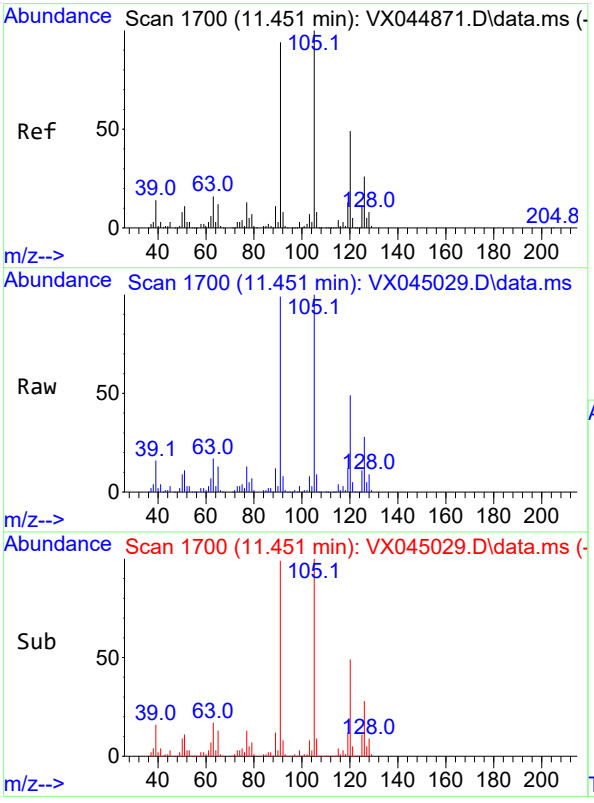
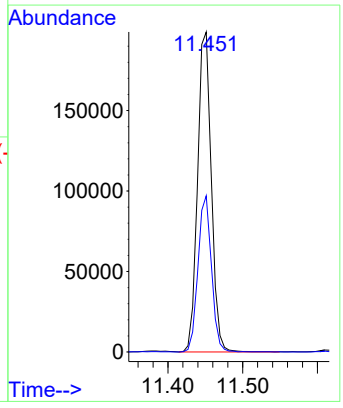
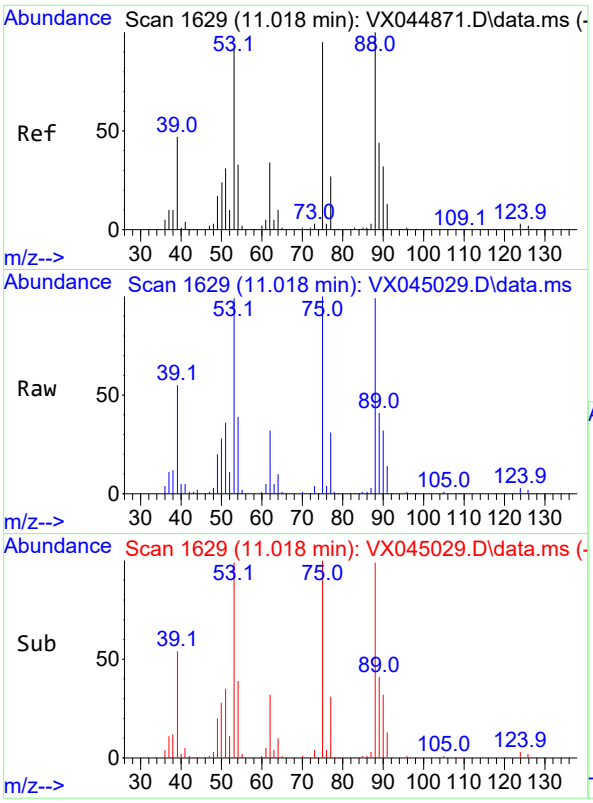


#80
1,3,5-Trimethylbenzene
Concen: 50.54 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 253369

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.0	72.0

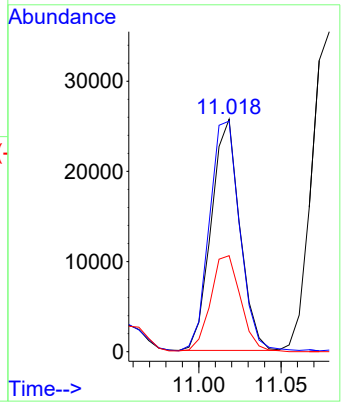




#81
trans-1,4-Dichloro-2-butene
Concen: 46.91 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 3101

Ion	Ratio	Lower	Upper
75	100		
53	107.7	78.0	117.0
89	43.8	36.6	54.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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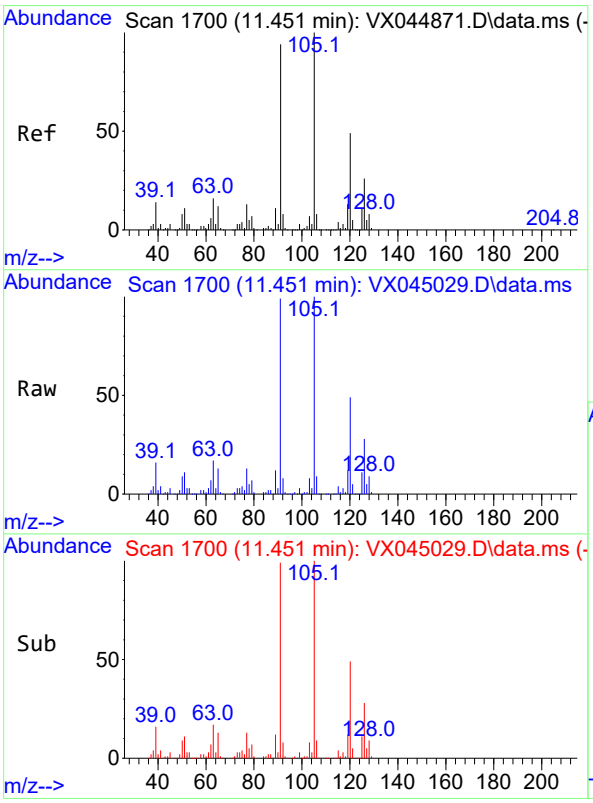
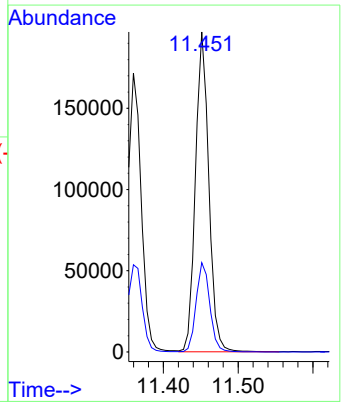
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

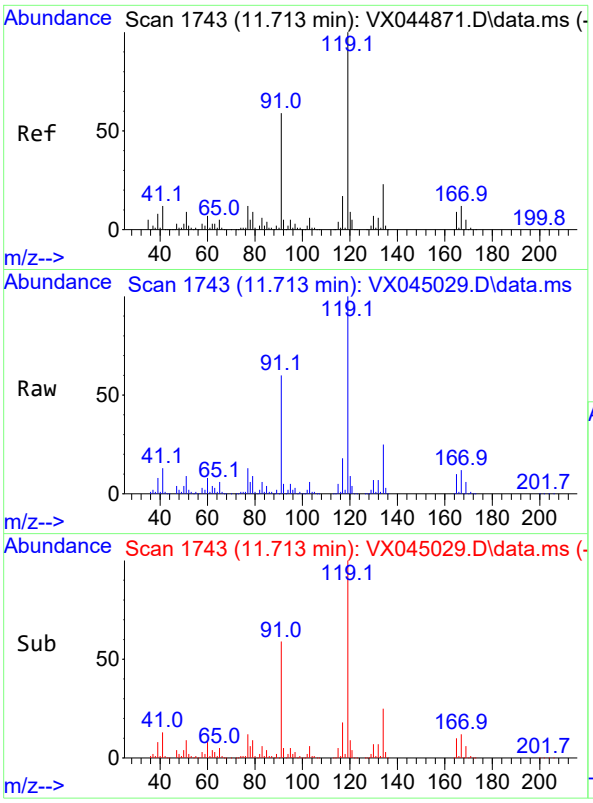


#82
4-Chlorotoluene
Concen: 50.29 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 243811

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6

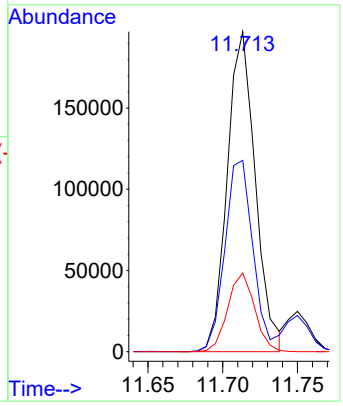




#83
tert-Butylbenzene
Concen: 50.83 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:119 Resp: 25776

Ion	Ratio	Lower	Upper
119	100		
91	59.1	29.1	87.4
134	23.5	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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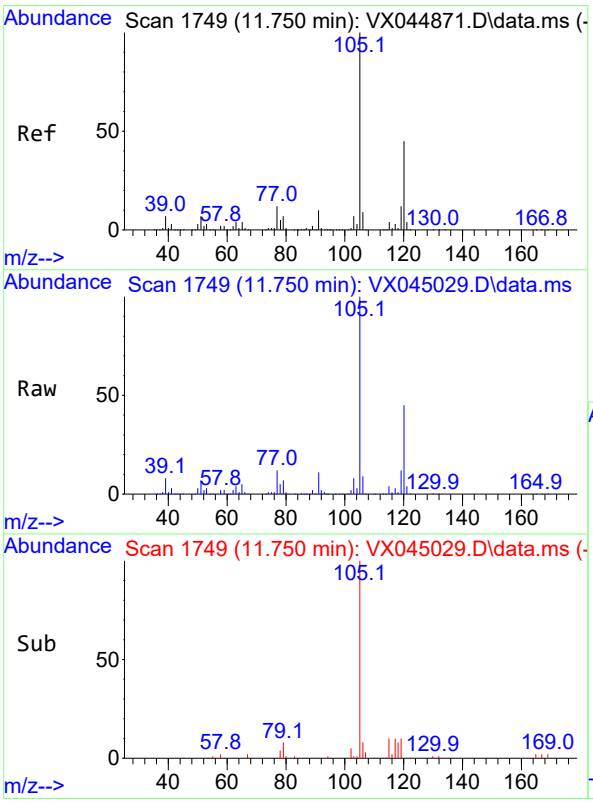
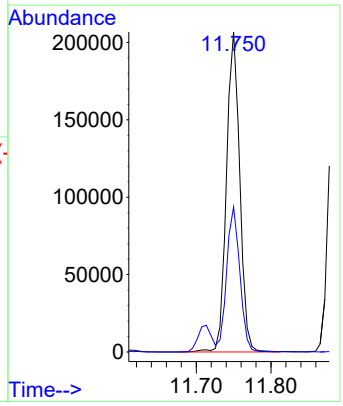
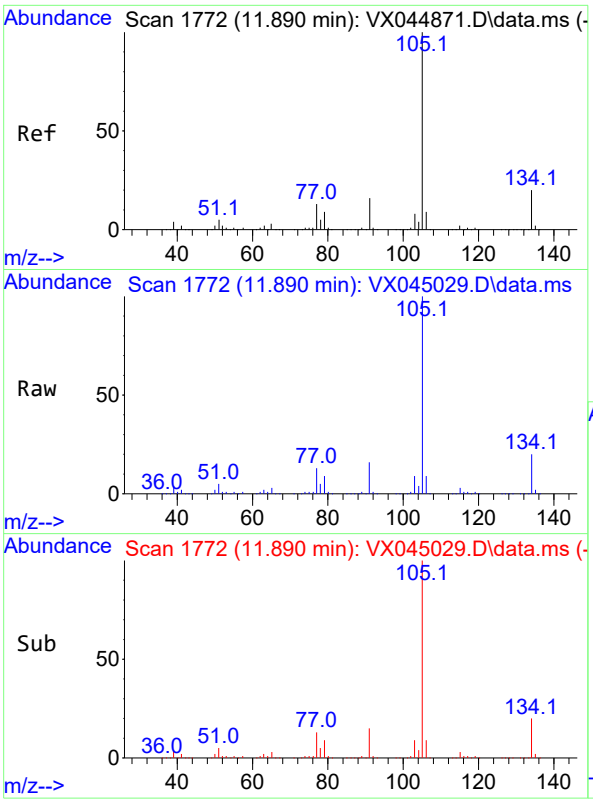


#84
1,2,4-Trimethylbenzene
Concen: 51.59 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 255246

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.0

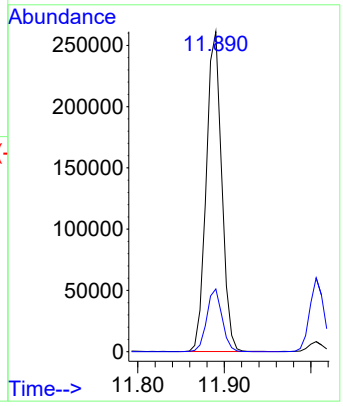




#85
sec-Butylbenzene
Concen: 51.43 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 32297

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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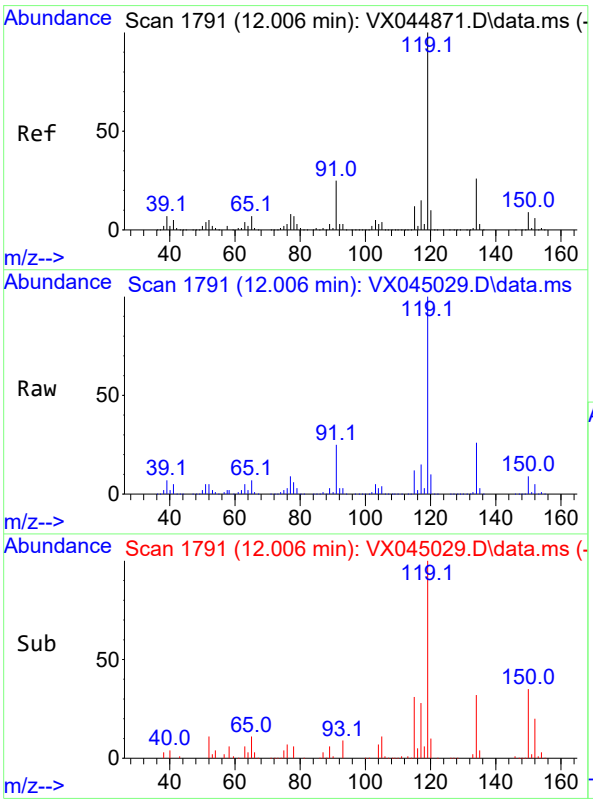
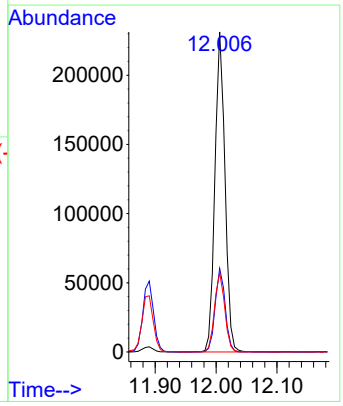
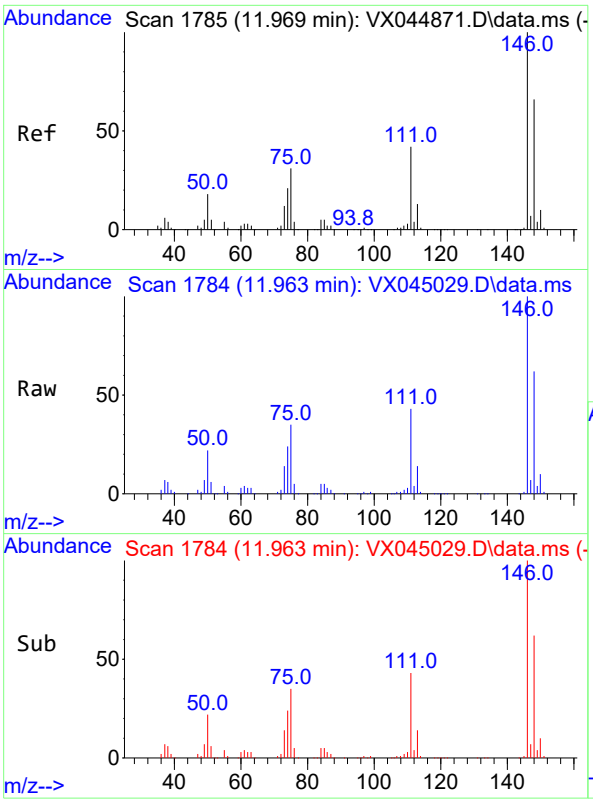


#86
p-Isopropyltoluene
Concen: 52.51 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:119 Resp: 265185

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.9	12.1	36.3

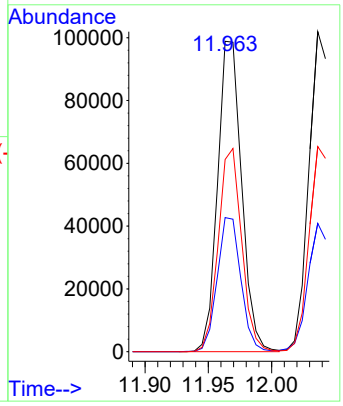




#87
1,3-Dichlorobenzene
Concen: 50.69 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:146 Resp: 13055

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.2	63.6
148	63.7	32.5	97.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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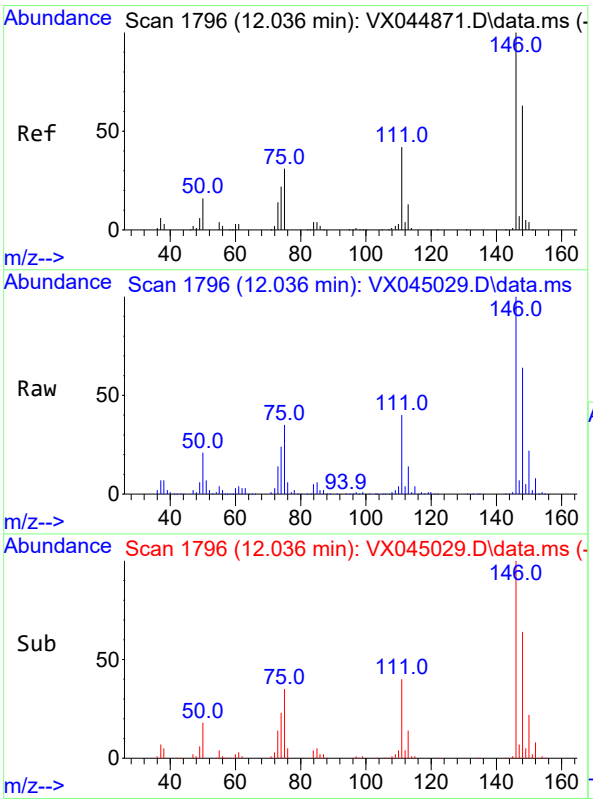
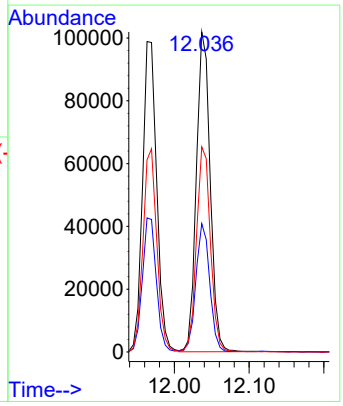
Supervised By :Mahesh Dadoda 02/26/2025

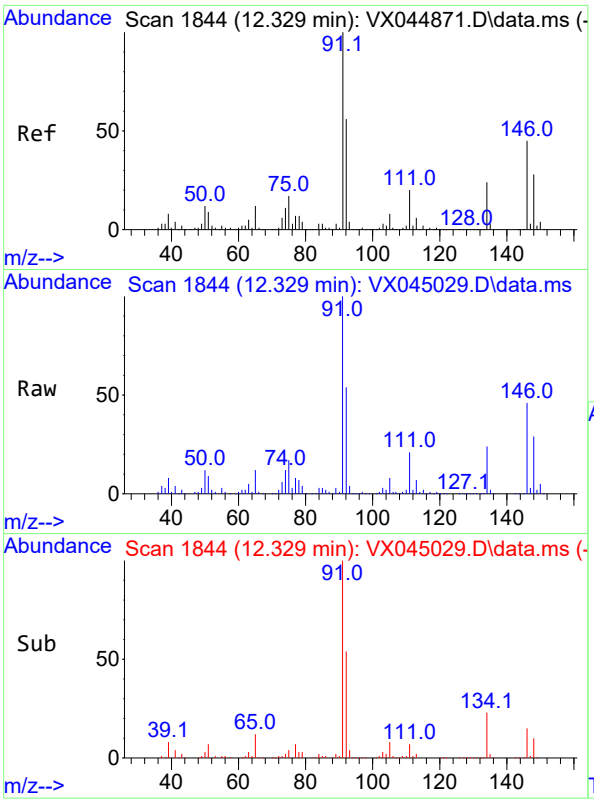


#88
1,4-Dichlorobenzene
Concen: 50.16 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:146 Resp: 130623

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	64.9	32.0	96.0

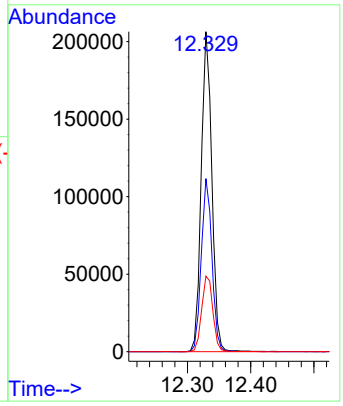




#89
n-Butylbenzene
Concen: 54.13 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 24183

Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.6
134	24.8	12.1	36.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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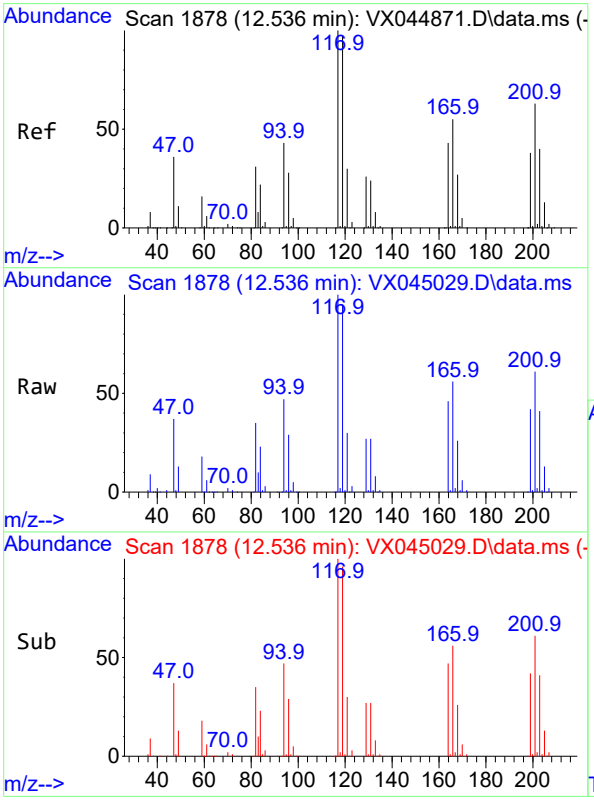
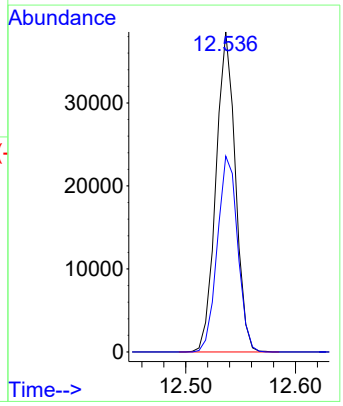
Supervised By :Mahesh Dadoda 02/26/2025

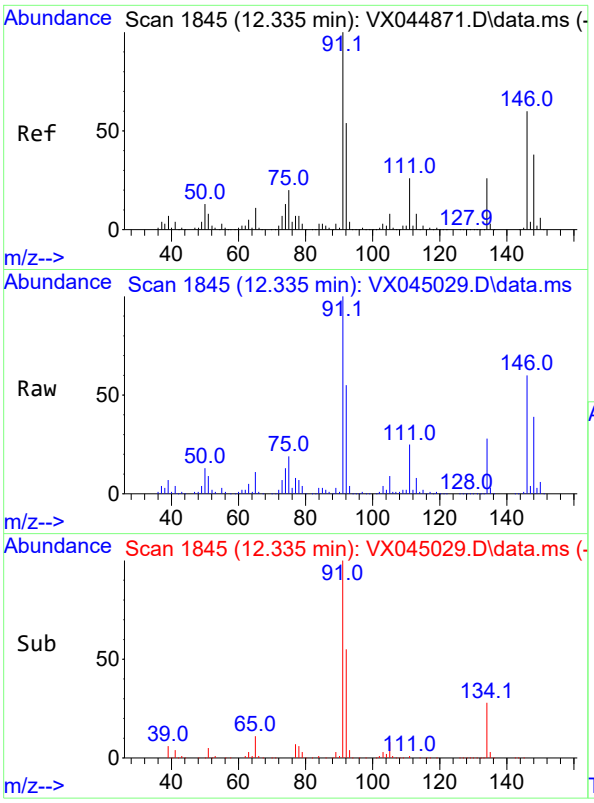


#90
Hexachloroethane
Concen: 50.23 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:117 Resp: 47494

Ion	Ratio	Lower	Upper
117	100		
201	64.1	32.5	97.5

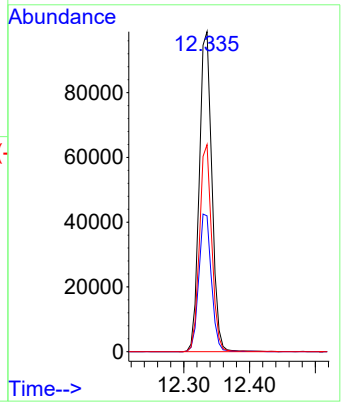




#91
1,2-Dichlorobenzene
Concen: 51.91 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:146 Resp: 13139

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.4
148	62.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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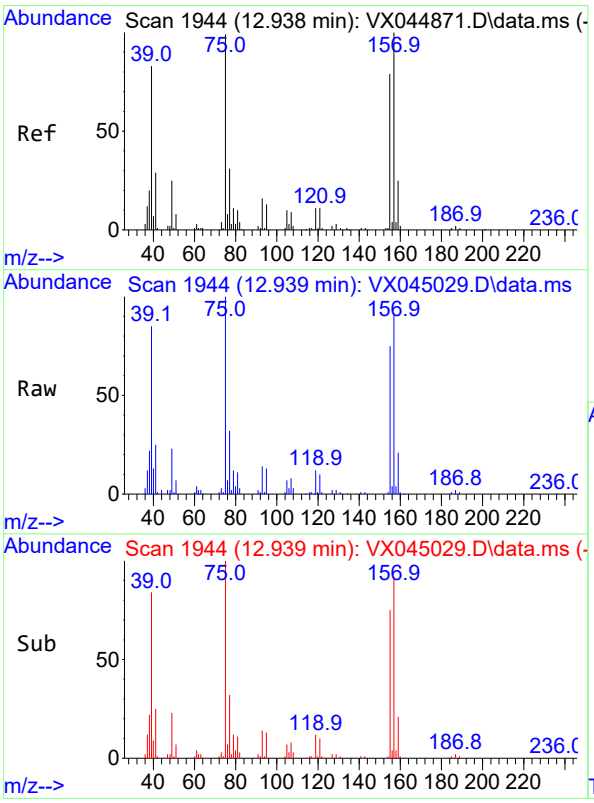
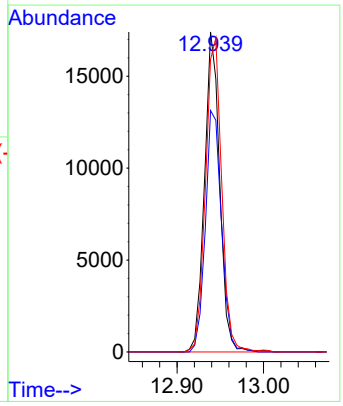
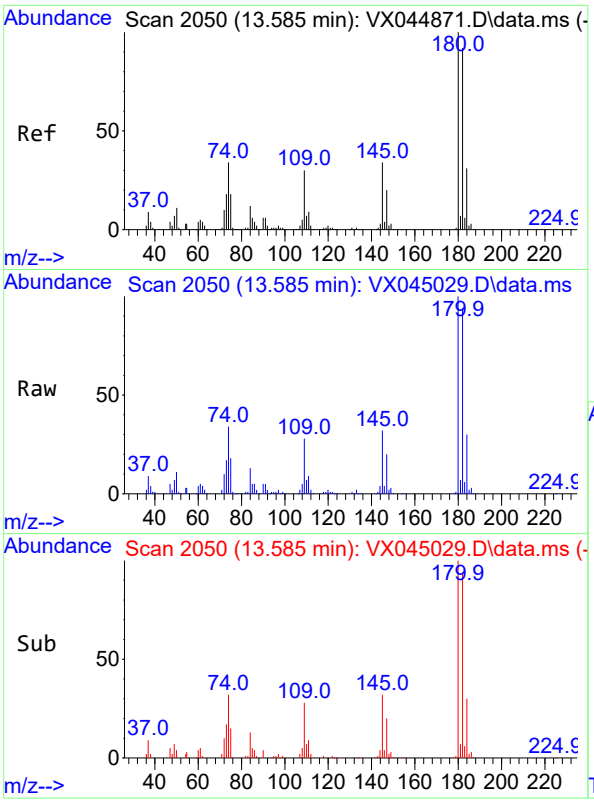


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.76 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 21216

Ion	Ratio	Lower	Upper
75	100		
155	80.2	40.5	121.4
157	104.5	51.4	154.3

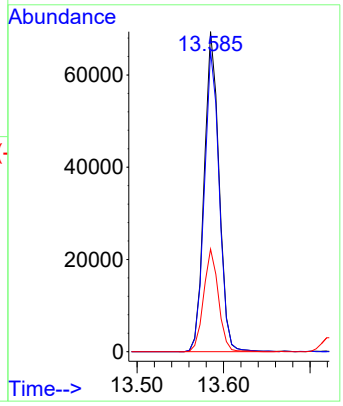




#93
1,2,4-Trichlorobenzene
Concen: 53.82 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:180 Resp: 8242

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.6	142.8
145	31.9	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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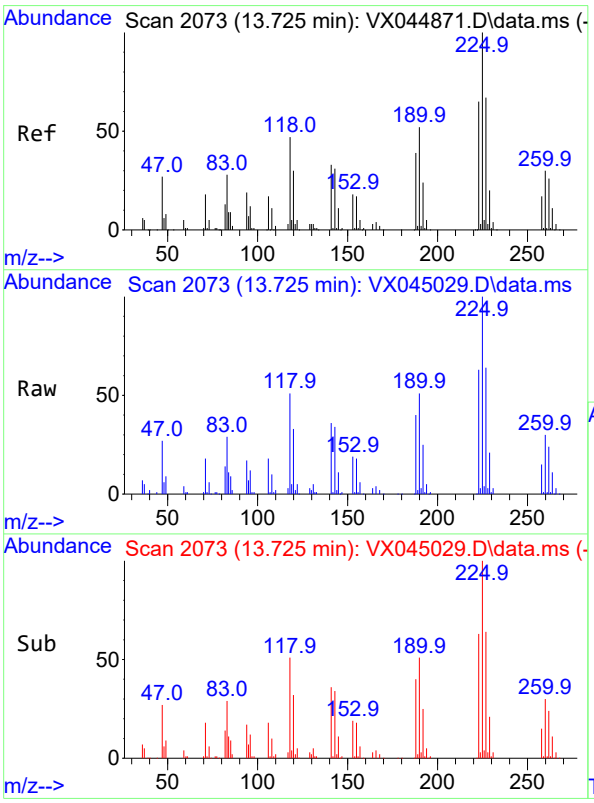
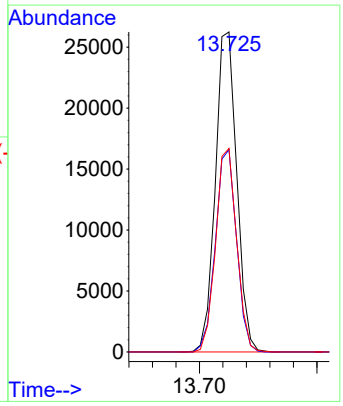
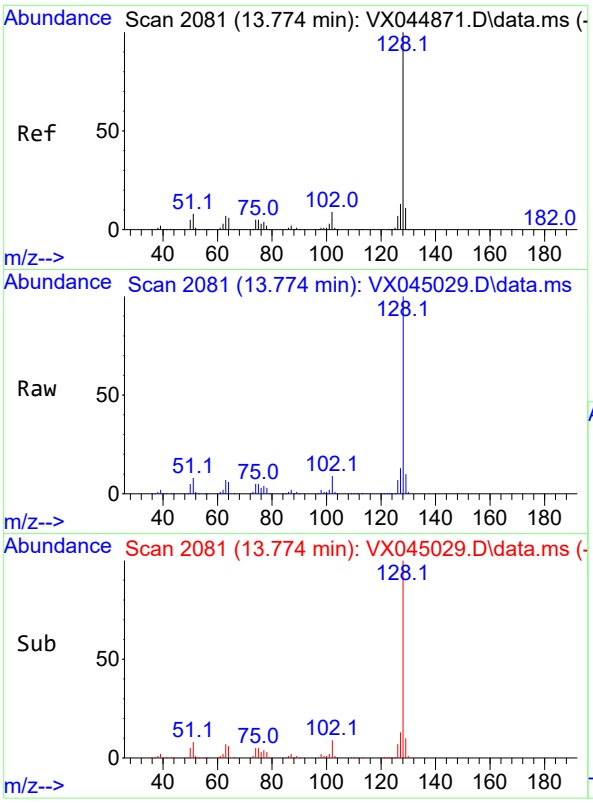


#94
Hexachlorobutadiene
Concen: 54.72 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:225 Resp: 33272

Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.4	94.2
227	62.2	32.3	96.8

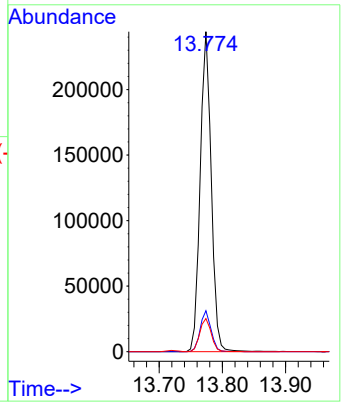




#95
Naphthalene
Concen: 53.70 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:128 Resp: 29734

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.8	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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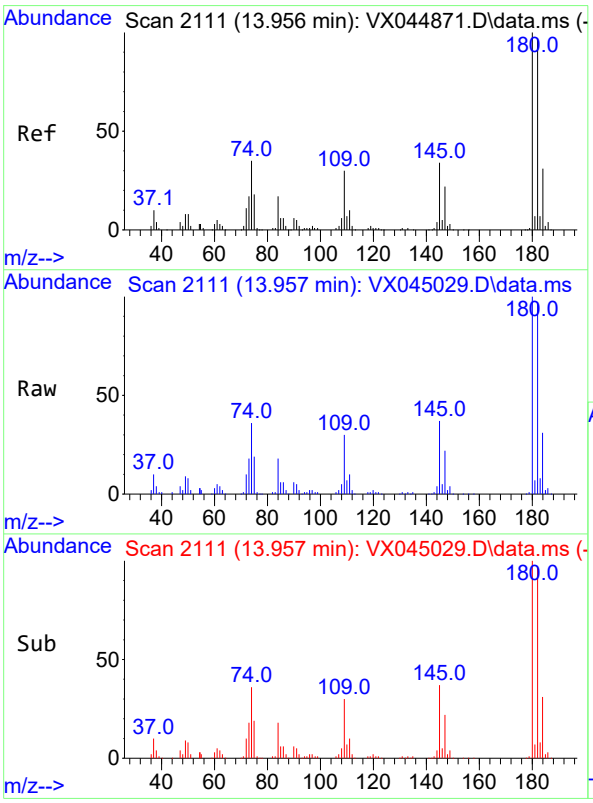
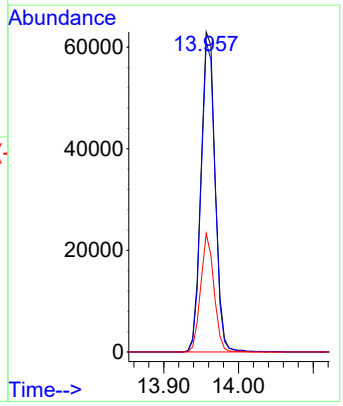


#96
1,2,3-Trichlorobenzene
Concen: 53.83 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:180 Resp: 83085

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	34.5	17.1	51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	86	0.00
2	T	Dichlorodifluoromethane	0.701	0.678	3.3	83	0.00
3	P	Chloromethane	0.854	0.745	12.8	76	0.00
4	C	Vinyl Chloride	0.827	0.732	11.5#	78	0.00
5	T	Bromomethane	0.247	0.252	-2.0	87	0.00
6	T	Chloroethane	0.307	0.346	-12.7	87	0.00
7	T	Trichlorofluoromethane	1.046	1.033	1.2	86	0.00
8	T	Diethyl Ether	0.379	0.372	1.8	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.617	2.4	85	0.00
10	T	Methyl Iodide	0.819	0.608	25.8#	62	0.00
11	T	Tert butyl alcohol	0.136	0.132	2.9	83	0.00
12	CM	1,1-Dichloroethene	0.644	0.593	7.9#	81	0.00
13	T	Acrolein	0.140	0.077	45.0#	47#	0.00
14	T	Allyl chloride	1.165	1.110	4.7	83	0.00
15	T	Acrylonitrile	0.363	0.385	-6.1	88	0.00
16	T	Acetone	0.294	0.364	-23.8	107	0.00
17	T	Carbon Disulfide	1.767	1.454	17.7	71	0.00
18	T	Methyl Acetate	0.928	1.092	-17.7	100	0.00
19	T	Methyl tert-butyl Ether	2.050	1.972	3.8	83	0.00
20	T	Methylene Chloride	0.721	0.673	6.7	82	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.582	8.2	78	0.00
22	T	Diisopropyl ether	2.203	2.208	-0.2	85	0.00
23	T	Vinyl Acetate	1.796	1.781	0.8	82	0.00
24	P	1,1-Dichloroethane	1.233	1.194	3.2	84	0.00
25	T	2-Butanone	0.478	0.544	-13.8	93	0.00
26	T	2,2-Dichloropropane	0.978	0.903	7.7	82	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.721	5.4	82	0.00
28	T	Bromochloromethane	0.593	0.499	15.9	74	0.00
29	T	Tetrahydrofuran	0.317	0.343	-8.2	90	0.00
30	C	Chloroform	1.196	1.170	2.2#	86	0.00
31	T	Cyclohexane	1.137	1.019	10.4	78	0.00
32	T	1,1,1-Trichloroethane	1.014	0.979	3.5	84	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.737	-0.7	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35	S	Dibromofluoromethane	0.325	0.348	-7.1	88	0.00
36	T	1,1-Dichloropropene	0.469	0.456	2.8	80	-0.01
37	T	Ethyl Acetate	0.522	0.566	-8.4	87	0.00
38	T	Carbon Tetrachloride	0.460	0.478	-3.9	85	0.00
39	T	Methylcyclohexane	0.606	0.609	-0.5	79	0.00
40	TM	Benzene	1.465	1.459	0.4	80	0.00
41	T	Methacrylonitrile	0.279	0.327	-17.2	88	0.00
42	TM	1,2-Dichloroethane	0.467	0.504	-7.9	86	0.00
43	T	Isopropyl Acetate	0.842	0.927	-10.1	85	0.00
44	TM	Trichloroethene	0.335	0.339	-1.2	82	0.00
45	C	1,2-Dichloropropane	0.364	0.376	-3.3#	83	0.00
46	T	Dibromomethane	0.253	0.264	-4.3	84	0.00
47	T	Bromodichloromethane	0.489	0.538	-10.0	87	0.00
48	T	Methyl methacrylate	0.397	0.454	-14.4	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	85	0.00
50	S	Toluene-d8	1.229	1.235	-0.5	81	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.618	-20.7	90	0.00
52	CM	Toluene	0.872	0.882	-1.1#	79	0.00
53	T	t-1,3-Dichloropropene	0.495	0.515	-4.0	81	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.576	-4.3	81	0.00
55	T	1,1,2-Trichloroethane	0.335	0.356	-6.3	84	0.00
56	T	Ethyl methacrylate	0.542	0.585	-7.9	82	0.00
57	T	1,3-Dichloropropane	0.587	0.611	-4.1	82	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.301	-13.2	84	0.00
59	T	2-Hexanone	0.369	0.458	-24.1	92	0.00
60	T	Dibromochloromethane	0.359	0.394	-9.7	85	0.00
61	T	1,2-Dibromoethane	0.340	0.365	-7.4	84	0.00
62	S	4-Bromofluorobenzene	0.414	0.445	-7.5	83	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
64	T	Tetrachloroethene	0.315	0.319	-1.3	83	0.00
65	PM	Chlorobenzene	1.074	1.097	-2.1	81	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.363	-4.9	83	0.00
67	C	Ethyl Benzene	1.895	1.927	-1.7#	81	0.00
68	T	m/p-Xylenes	0.699	0.720	-3.0	81	0.00
69	T	o-Xylene	0.701	0.716	-2.1	82	0.00
70	T	Styrene	1.130	1.200	-6.2	81	0.00
71	P	Bromoform	0.258	0.297	-15.1	86	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
73	T	Isopropylbenzene	4.026	3.989	0.9	82	0.00
74	T	N-amyl acetate	1.822	1.923	-5.5	84	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.395	-0.9	85	0.00
76	T	1,2,3-Trichloropropane	1.109	1.182	-6.6	88	0.00
77	T	Bromobenzene	0.913	0.936	-2.5	85	0.00
78	T	n-propylbenzene	4.647	4.678	-0.7	82	0.00
79	T	2-Chlorotoluene	2.856	2.822	1.2	82	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.303	-1.1	82	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.404	6.3	77	0.00
82	T	4-Chlorotoluene	3.160	3.178	-0.6	82	0.00
83	T	tert-Butylbenzene	3.305	3.360	-1.7	84	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.327	-3.2	82	0.00
85	T	sec-Butylbenzene	4.093	4.210	-2.9	84	0.00
86	T	p-Isopropyltoluene	3.291	3.457	-5.0	84	0.00
87	T	1,3-Dichlorobenzene	1.678	1.702	-1.4	84	0.00
88	T	1,4-Dichlorobenzene	1.697	1.703	-0.4	84	0.00
89	T	n-Butylbenzene	2.912	3.152	-8.2	84	0.00
90	T	Hexachloroethane	0.616	0.619	-0.5	83	0.00
91	T	1,2-Dichlorobenzene	1.650	1.713	-3.8	85	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.277	-9.9	89	0.00
93	T	1,2,4-Trichlorobenzene	0.998	1.074	-7.6	88	0.00
94	T	Hexachlorobutadiene	0.396	0.434	-9.6	94	0.00
95	T	Naphthalene	3.608	3.876	-7.4	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.083	-7.7	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	86	0.00
2	T	Dichlorodifluoromethane	50.000	48.325	3.3	83	0.00
3	P	Chloromethane	50.000	43.641	12.7	76	0.00
4	C	Vinyl Chloride	50.000	44.262	11.5#	78	0.00
5	T	Bromomethane	50.000	50.858	-1.7	87	0.00
6	T	Chloroethane	50.000	54.935	-9.9	87	0.00
7	T	Trichlorofluoromethane	50.000	49.375	1.3	86	0.00
8	T	Diethyl Ether	50.000	49.070	1.9	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.843	2.3	85	0.00
10	T	Methyl Iodide	50.000	37.102	25.8#	62	0.00
11	T	Tert butyl alcohol	250.000	242.666	2.9	83	0.00
12	CM	1,1-Dichloroethene	50.000	45.975	8.0#	81	0.00
13	T	Acrolein	250.000	138.096	44.8#	47	0.00
14	T	Allyl chloride	50.000	47.664	4.7	83	0.00
15	T	Acrylonitrile	250.000	265.353	-6.1	88	0.00
16	T	Acetone	250.000	308.999	-23.6	107	0.00
17	T	Carbon Disulfide	50.000	41.125	17.8	71	0.00
18	T	Methyl Acetate	50.000	58.830	-17.7	100	0.00
19	T	Methyl tert-butyl Ether	50.000	48.094	3.8	83	0.00
20	T	Methylene Chloride	50.000	46.681	6.6	82	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.895	8.2	78	0.00
22	T	Diisopropyl ether	50.000	50.110	-0.2	85	0.00
23	T	Vinyl Acetate	250.000	247.805	0.9	82	0.00
24	P	1,1-Dichloroethane	50.000	48.441	3.1	84	0.00
25	T	2-Butanone	250.000	284.540	-13.8	93	0.00
26	T	2,2-Dichloropropane	50.000	46.181	7.6	82	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.310	5.4	82	0.00
28	T	Bromochloromethane	50.000	42.098	15.8	74	0.00
29	T	Tetrahydrofuran	250.000	270.334	-8.1	90	0.00
30	C	Chloroform	50.000	48.935	2.1#	86	0.00
31	T	Cyclohexane	50.000	44.815	10.4	78	0.00
32	T	1,1,1-Trichloroethane	50.000	48.255	3.5	84	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.334	-0.7	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35	S	Dibromofluoromethane	50.000	53.583	-7.2	88	0.00
36	T	1,1-Dichloropropene	50.000	48.612	2.8	80	-0.01
37	T	Ethyl Acetate	50.000	54.239	-8.5	87	0.00
38	T	Carbon Tetrachloride	50.000	52.043	-4.1	85	0.00
39	T	Methylcyclohexane	50.000	50.213	-0.4	79	0.00
40	TM	Benzene	50.000	49.801	0.4	80	0.00
41	T	Methacrylonitrile	50.000	58.641	-17.3	88	0.00
42	TM	1,2-Dichloroethane	50.000	54.001	-8.0	86	0.00
43	T	Isopropyl Acetate	50.000	55.008	-10.0	85	0.00
44	TM	Trichloroethene	50.000	50.640	-1.3	82	0.00
45	C	1,2-Dichloropropane	50.000	51.537	-3.1#	83	0.00
46	T	Dibromomethane	50.000	52.221	-4.4	84	0.00
47	T	Bromodichloromethane	50.000	54.965	-9.9	87	0.00
48	T	Methyl methacrylate	50.000	57.145	-14.3	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1108.259	-10.8	85	0.00
50	S	Toluene-d8	50.000	50.240	-0.5	81	0.00
51	T	4-Methyl-2-Pentanone	250.000	301.506	-20.6	90	0.00
52	CM	Toluene	50.000	50.555	-1.1#	79	0.00
53	T	t-1,3-Dichloropropene	50.000	52.043	-4.1	81	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.194	-4.4	81	0.00
55	T	1,1,2-Trichloroethane	50.000	53.137	-6.3	84	0.00
56	T	Ethyl methacrylate	50.000	54.048	-8.1	82	0.00
57	T	1,3-Dichloropropane	50.000	52.114	-4.2	82	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	282.696	-13.1	84	0.00
59	T	2-Hexanone	250.000	310.511	-24.2	92	0.00
60	T	Dibromochloromethane	50.000	54.989	-10.0	85	0.00
61	T	1,2-Dibromoethane	50.000	53.751	-7.5	84	0.00
62	S	4-Bromofluorobenzene	50.000	53.745	-7.5	83	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	81	0.00
64	T	Tetrachloroethene	50.000	50.505	-1.0	83	0.00
65	PM	Chlorobenzene	50.000	51.053	-2.1	81	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.573	-5.1	83	0.00
67	C	Ethyl Benzene	50.000	50.837	-1.7#	81	0.00
68	T	m/p-Xylenes	100.000	102.928	-2.9	81	0.00
69	T	o-Xylene	50.000	51.027	-2.1	82	0.00
70	T	Styrene	50.000	53.091	-6.2	81	0.00
71	P	Bromoform	50.000	57.661	-15.3	86	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	83	0.00
73	T	Isopropylbenzene	50.000	49.541	0.9	82	0.00
74	T	N-amyl acetate	50.000	52.789	-5.6	84	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.435	-0.9	85	0.00
76	T	1,2,3-Trichloropropane	50.000	53.305	-6.6	88	0.00
77	T	Bromobenzene	50.000	51.295	-2.6	85	0.00
78	T	n-propylbenzene	50.000	50.330	-0.7	82	0.00
79	T	2-Chlorotoluene	50.000	49.409	1.2	82	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.543	-1.1	82	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.906	6.2	77	0.00
82	T	4-Chlorotoluene	50.000	50.290	-0.6	82	0.00
83	T	tert-Butylbenzene	50.000	50.829	-1.7	84	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.588	-3.2	82	0.00
85	T	sec-Butylbenzene	50.000	51.431	-2.9	84	0.00
86	T	p-Isopropyltoluene	50.000	52.511	-5.0	84	0.00
87	T	1,3-Dichlorobenzene	50.000	50.690	-1.4	84	0.00
88	T	1,4-Dichlorobenzene	50.000	50.162	-0.3	84	0.00
89	T	n-Butylbenzene	50.000	54.129	-8.3	84	0.00
90	T	Hexachloroethane	50.000	50.227	-0.5	83	0.00
91	T	1,2-Dichlorobenzene	50.000	51.908	-3.8	85	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.762	-9.5	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.815	-7.6	88	0.00
94	T	Hexachlorobutadiene	50.000	54.720	-9.4	94	0.00
95	T	Naphthalene	50.000	53.704	-7.4	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.834	-7.7	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_X Calibration Date/Time: 02/25/2025 16:28

Lab File ID: VX045042.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.854	0.726	0.1	-14.99	50
Vinyl Chloride	0.827	0.730		-11.73	50
Bromomethane	0.247	0.257		4.05	50
Chloroethane	0.307	0.394		28.34	50
Trichlorofluoromethane	1.046	1.033		-1.24	50
1,1,2-Trichlorotrifluoroethane	0.632	0.618		-2.21	50
1,1-Dichloroethene	0.644	0.588		-8.7	50
Acetone	0.294	0.351		19.39	50
Carbon Disulfide	1.767	1.404		-20.54	50
Methyl tert-butyl Ether	2.050	1.999		-2.49	50
Methylene Chloride	0.721	0.693		-3.88	50
trans-1,2-Dichloroethene	0.634	0.586		-7.57	50
1,1-Dichloroethane	1.233	1.217	0.1	-1.3	50
2-Butanone	0.478	0.582		21.76	50
Carbon Tetrachloride	0.460	0.456		-0.87	50
cis-1,2-Dichloroethene	0.762	0.735		-3.54	50
Chloroform	1.196	1.210		1.17	50
1,1,1-Trichloroethane	1.014	0.999		-1.48	50
Methylcyclohexane	0.606	0.586		-3.3	50
Benzene	1.465	1.440		-1.71	50
1,2-Dichloroethane	0.467	0.512		9.64	50
Trichloroethene	0.335	0.332		-0.9	50
1,2-Dichloropropane	0.364	0.369		1.37	50
Bromodichloromethane	0.489	0.527		7.77	50
4-Methyl-2-Pentanone	0.512	0.643		25.59	50
Toluene	0.872	0.881		1.03	50
t-1,3-Dichloropropene	0.495	0.493		-0.4	50
cis-1,3-Dichloropropene	0.552	0.553		0.18	50
1,1,2-Trichloroethane	0.335	0.357		6.57	50
2-Hexanone	0.369	0.477		29.27	50
Dibromochloromethane	0.359	0.388		8.08	50
Tetrachloroethene	0.315	0.301		-4.44	50
Chlorobenzene	1.074	1.075	0.3	0.09	50
Ethyl Benzene	1.895	1.889		-0.32	50
m/p-Xylenes	0.699	0.704		0.71	50
o-Xylene	0.701	0.697		-0.57	50
Styrene	1.130	1.186		4.96	50
Bromoform	0.258	0.284	0.1	10.08	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_X Calibration Date/Time: 02/25/2025 16:28

Lab File ID: VX045042.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.026	3.925		-2.51	50
1,1,2,2-Tetrachloroethane	1.383	1.401	0.3	1.3	50
1,3-Dichlorobenzene	1.678	1.635		-2.56	50
1,4-Dichlorobenzene	1.697	1.651		-2.71	50
1,2-Dichlorobenzene	1.650	1.641		-0.55	50
1,2-Dichloroethane-d4	0.732	0.643		-12.16	50
Dibromofluoromethane	0.325	0.287		-11.69	50
Toluene-d8	1.229	1.046		-14.89	50
4-Bromofluorobenzene	0.414	0.377		-8.94	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	101525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181291	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65263	43.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 87.820%			
35) Dibromofluoromethane	5.385	113	52051	44.160	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.320%			
50) Toluene-d8	8.647	98	189599	42.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 85.080%#			
62) 4-Bromofluorobenzene	11.079	95	68375	45.505	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	67197	47.191	ug/l	99
3) Chloromethane	1.307	50	73673	42.510	ug/l	98
4) Vinyl Chloride	1.374	62	74122	44.148	ug/l	99
5) Bromomethane	1.593	94	26080	51.910	ug/l	97
6) Chloroethane	1.666	64	40050	65.667	ug/l	99
7) Trichlorofluoromethane	1.874	101	104892	49.402	ug/l	99
8) Diethyl Ether	2.130	74	38078	49.451	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	62754	48.918	ug/l	98
10) Methyl Iodide	2.440	142	67667	40.700	ug/l	98
11) Tert butyl alcohol	2.977	59	77483	281.037	ug/l	100
12) 1,1-Dichloroethene	2.306	96	59655	45.588	ug/l	95
13) Acrolein	2.233	56	72712	255.616	ug/l	99
14) Allyl chloride	2.654	41	113275	47.898	ug/l	97
15) Acrylonitrile	3.062	53	210213	285.568	ug/l	98
16) Acetone	2.386	43	178266	298.382	ug/l	97
17) Carbon Disulfide	2.501	76	142557	39.728	ug/l	100
18) Methyl Acetate	2.703	43	118283	62.739	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	202983	48.753	ug/l	99
20) Methylene Chloride	2.782	84	70354	48.077	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	59522	46.216	ug/l	95
22) Diisopropyl ether	3.757	45	227456	50.838	ug/l	94
23) Vinyl Acetate	3.721	43	923900	253.291	ug/l	99
24) 1,1-Dichloroethane	3.605	63	123599	49.371	ug/l	100
25) 2-Butanone	4.556	43	295559	304.657	ug/l	95
26) 2,2-Dichloropropane	4.465	77	83886	42.253	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	74648	48.253	ug/l	99
28) Bromochloromethane	4.891	49	55770	46.355	ug/l	99
29) Tetrahydrofuran	5.001	42	190035	294.997	ug/l	98
30) Chloroform	5.086	83	122880	50.613	ug/l	100
31) Cyclohexane	5.458	56	104875	45.441	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	101440	49.259	ug/l	98
36) 1,1-Dichloropropene	5.684	75	81048	47.660	ug/l	100
37) Ethyl Acetate	4.714	43	107870	57.029	ug/l	99
38) Carbon Tetrachloride	5.672	117	82597	49.565	ug/l	97
39) Methylcyclohexane	7.373	83	106224	48.316	ug/l	98
40) Benzene	6.031	78	261113	49.173	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	61329	60.575	ug/l		98
42) 1,2-Dichloroethane	6.080	62	92805	54.837	ug/l		99
43) Isopropyl Acetate	6.336	43	166895	54.640	ug/l		99
44) Trichloroethene	7.123	130	60229	49.623	ug/l		97
45) 1,2-Dichloropropane	7.427	63	66819	50.580	ug/l		99
46) Dibromomethane	7.580	93	48023	52.418	ug/l		99
47) Bromodichloromethane	7.818	83	95545	53.860	ug/l		98
48) Methyl methacrylate	7.690	41	84221	58.478	ug/l		96
49) 1,4-Dioxane	7.659	88	38186	1235.809	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	583086	314.005	ug/l		97
52) Toluene	8.714	92	159793	50.528	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	89317	49.754	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	100279	50.101	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	64638	53.170	ug/l		98
56) Ethyl methacrylate	9.116	69	107605	54.804	ug/l		98
57) 1,3-Dichloropropane	9.305	76	112282	52.787	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	247138	256.347	ug/l		100
59) 2-Hexanone	9.427	43	432203	323.037	ug/l		97
60) Dibromochloromethane	9.518	129	70395	54.145	ug/l		99
61) 1,2-Dibromoethane	9.610	107	65764	53.373	ug/l		97
64) Tetrachloroethene	9.269	164	49089	47.807	ug/l		98
65) Chlorobenzene	10.079	112	174998	50.041	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57484	51.070	ug/l		99
67) Ethyl Benzene	10.189	91	307513	49.830	ug/l		99
68) m/p-Xylenes	10.299	106	229102	100.639	ug/l		100
69) o-Xylene	10.640	106	113531	49.701	ug/l		99
70) Styrene	10.652	104	193148	52.483	ug/l		99
71) Bromoform	10.799	173	46194	54.990	ug/l	#	99
73) Isopropylbenzene	10.963	105	296079	48.748	ug/l		99
74) N-amyl acetate	10.841	43	143282	52.132	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	105710	50.649	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	86868m	51.941	ug/l		
77) Bromobenzene	11.195	156	68416	49.685	ug/l		97
78) n-propylbenzene	11.305	91	344974	49.208	ug/l		100
79) 2-Chlorotoluene	11.360	91	207089	48.064	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	239463	48.584	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	28287	43.508	ug/l		92
82) 4-Chlorotoluene	11.451	91	233290	48.941	ug/l		99
83) tert-Butylbenzene	11.713	119	247205	49.578	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	246524	50.676	ug/l		100
85) sec-Butylbenzene	11.890	105	311825	50.503	ug/l		100
86) p-Isopropyltoluene	12.006	119	252793	50.912	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	123315	48.698	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	124506	48.630	ug/l		100
89) n-Butylbenzene	12.329	91	229601	52.268	ug/l		99
90) Hexachloroethane	12.536	117	44121	47.456	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	123772	49.733	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21247	55.778	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	75398	50.067	ug/l		98
94) Hexachlorobutadiene	13.725	225	31425	52.565	ug/l		98
95) Naphthalene	13.774	128	282517	51.898	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	76093	50.145	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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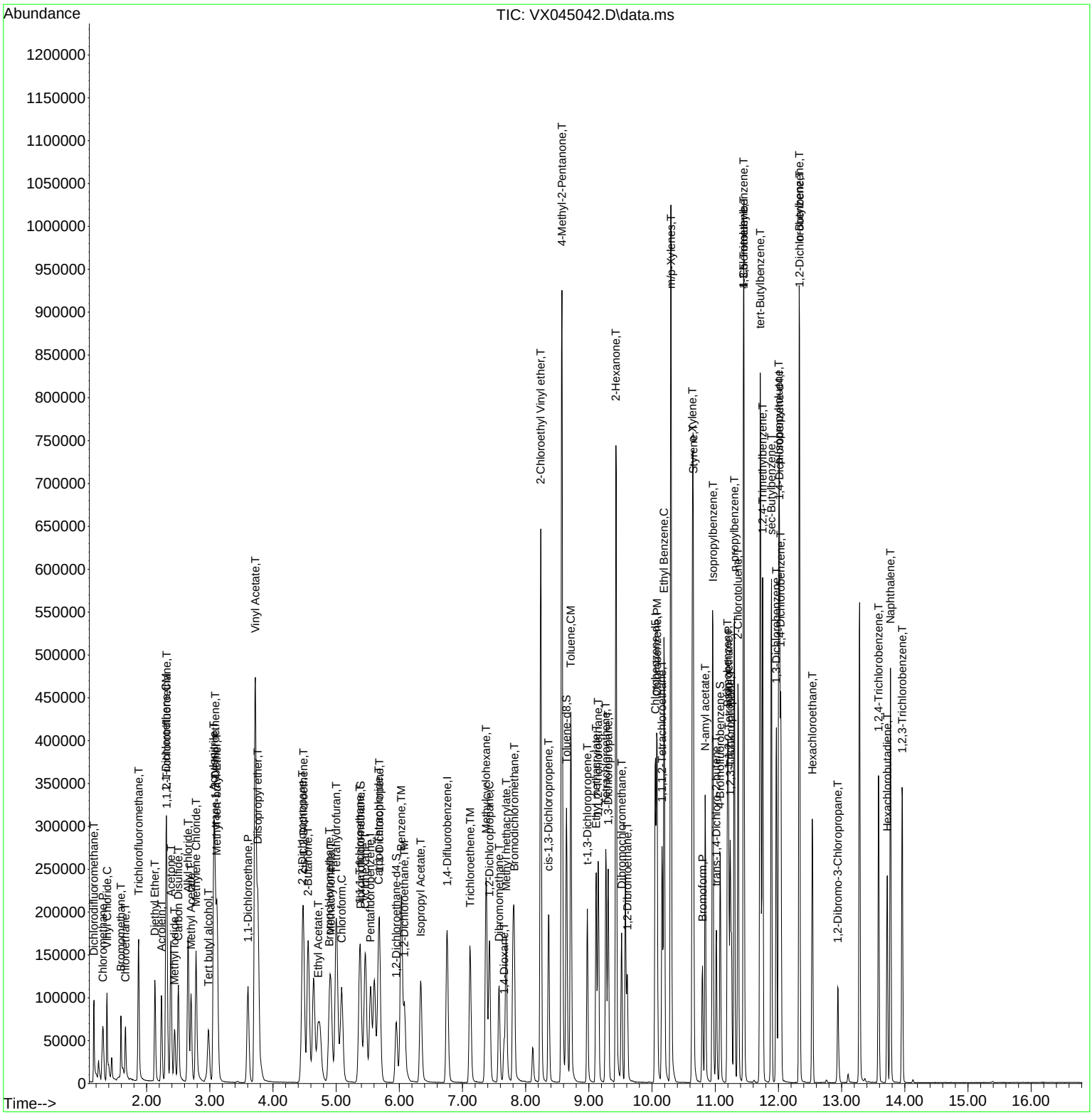
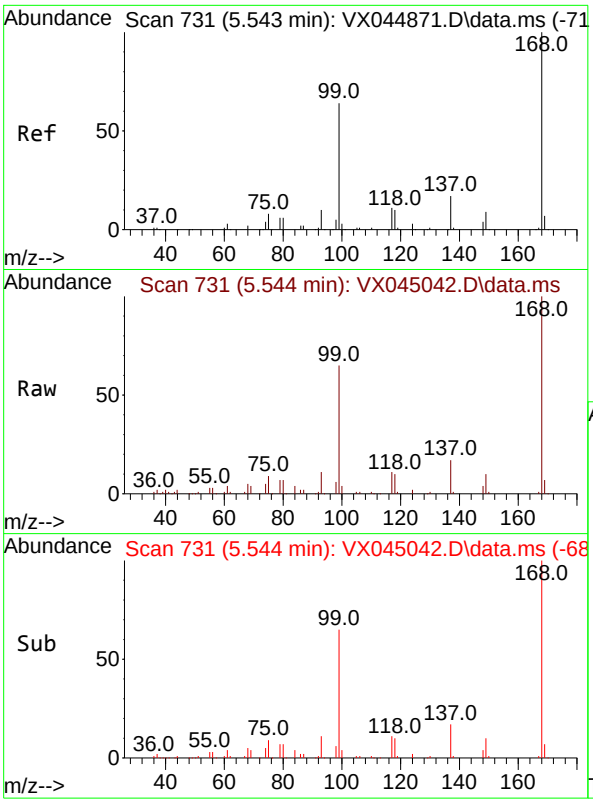
Supervised By :Mahesh Dadoda 02/26/2025

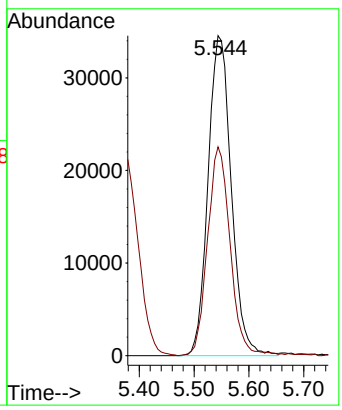




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:168 Resp: 10152

Ion	Ratio	Lower	Upper
168	100		
99	65.2	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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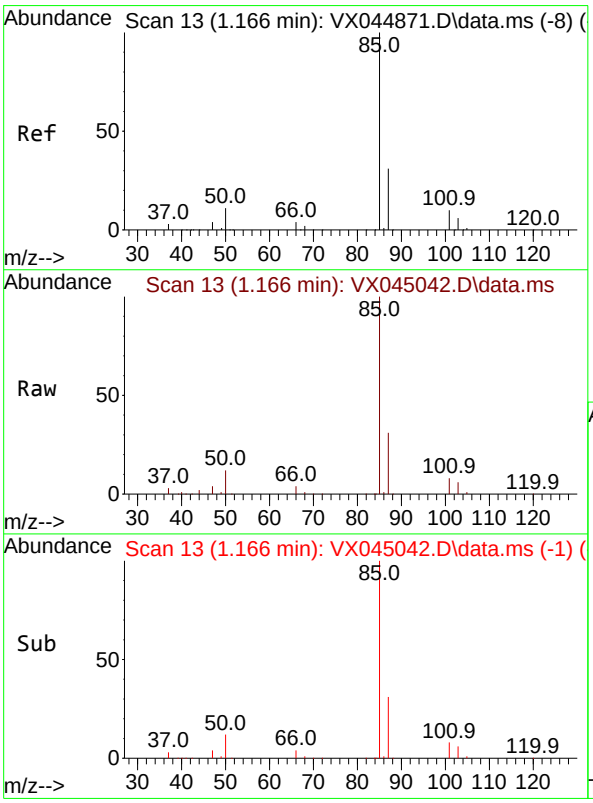
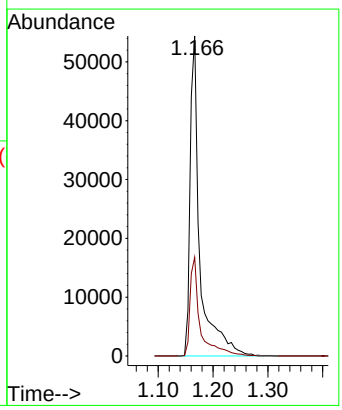
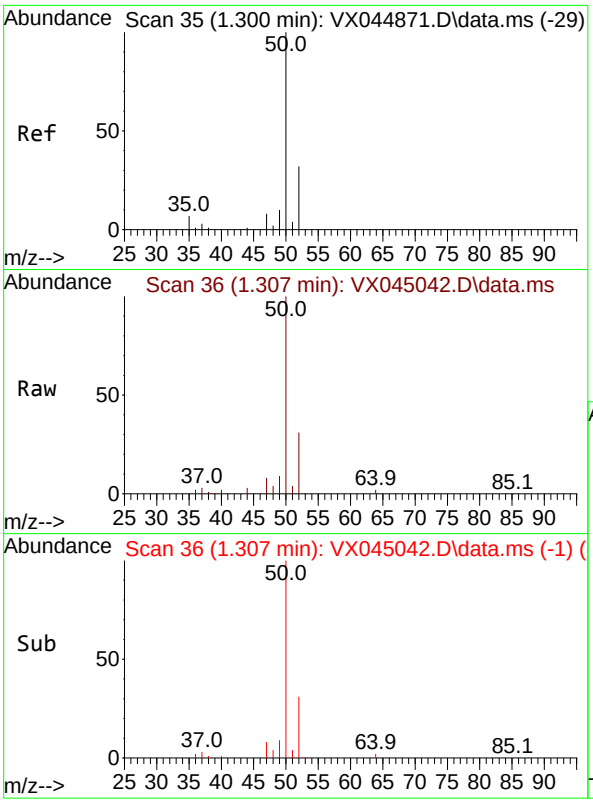


#2
Dichlorodifluoromethane
Concen: 47.191 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 85 Resp: 67197

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.8	47.3

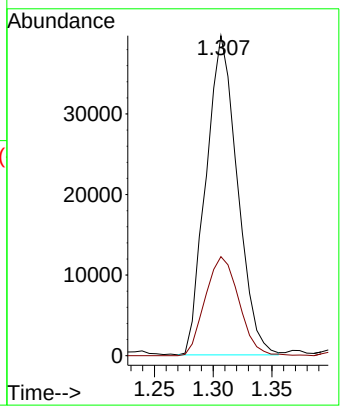




#3
Chloromethane
Concen: 42.510 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 50 Resp: 7367

Ion	Ratio	Lower	Upper
50	100		
52	31.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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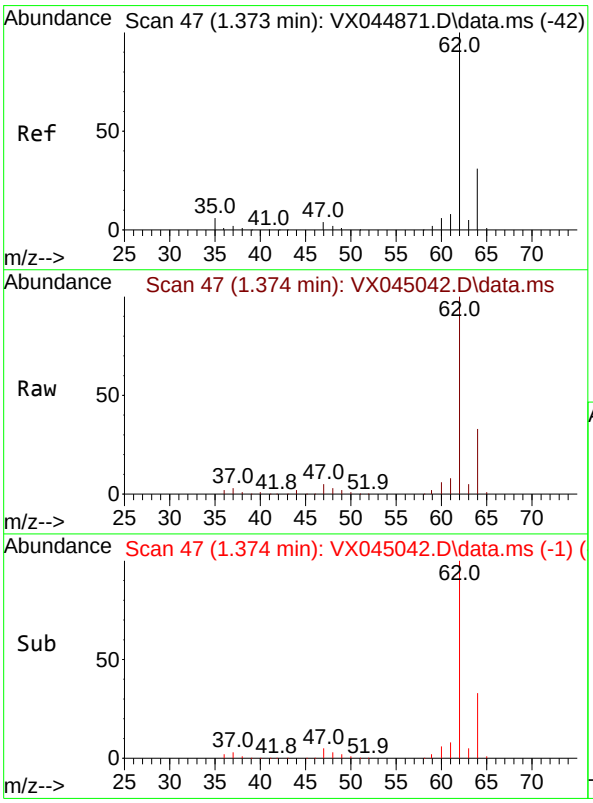
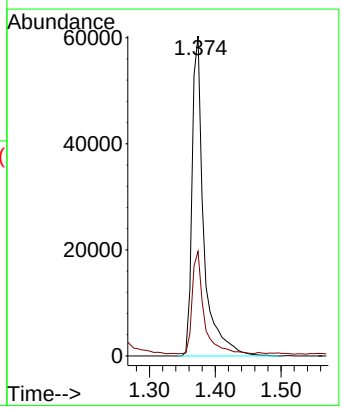
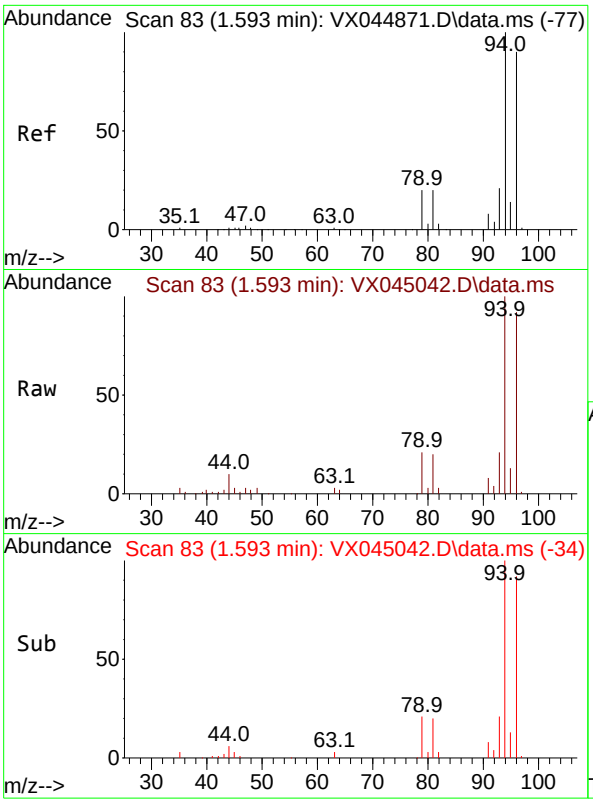


#4
Vinyl Chloride
Concen: 44.148 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 62 Resp: 74122

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.4	38.0

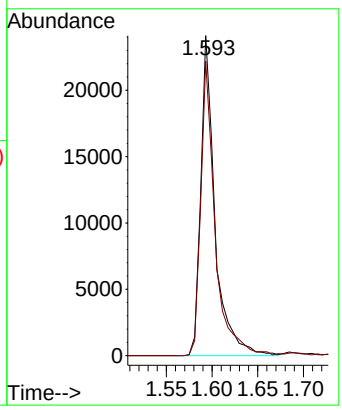




#5
Bromomethane
Concen: 51.910 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 94 Resp: 2608

Ion	Ratio	Lower	Upper
94	100		
96	92.1	71.6	107.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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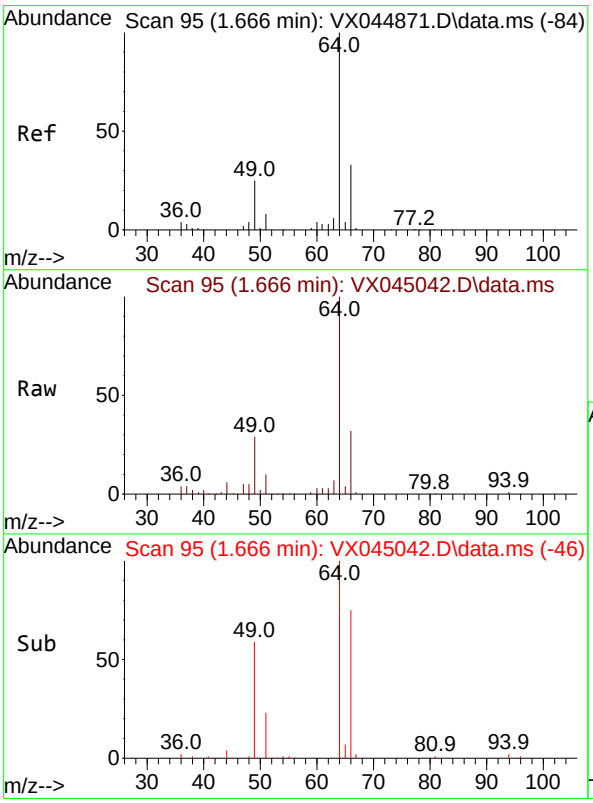
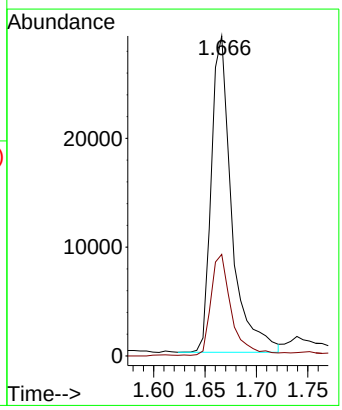
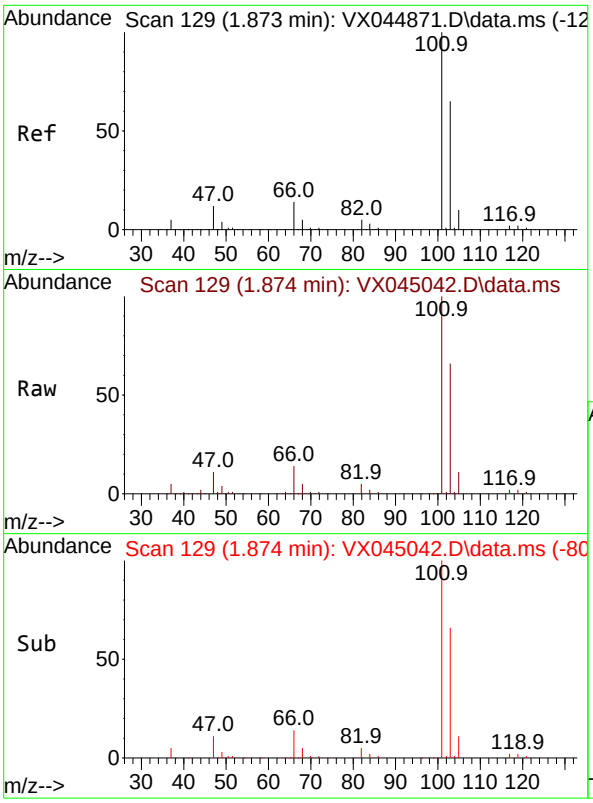


#6
Chloroethane
Concen: 65.667 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 64 Resp: 40050

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.9	38.9

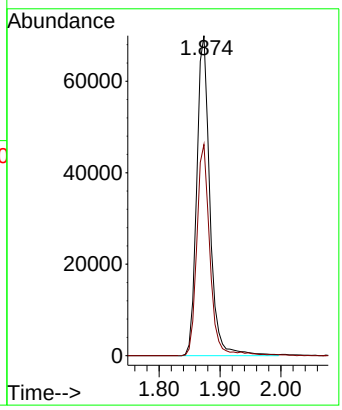




#7
Trichlorofluoromethane
Concen: 49.402 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:101 Resp: 10489

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.4	78.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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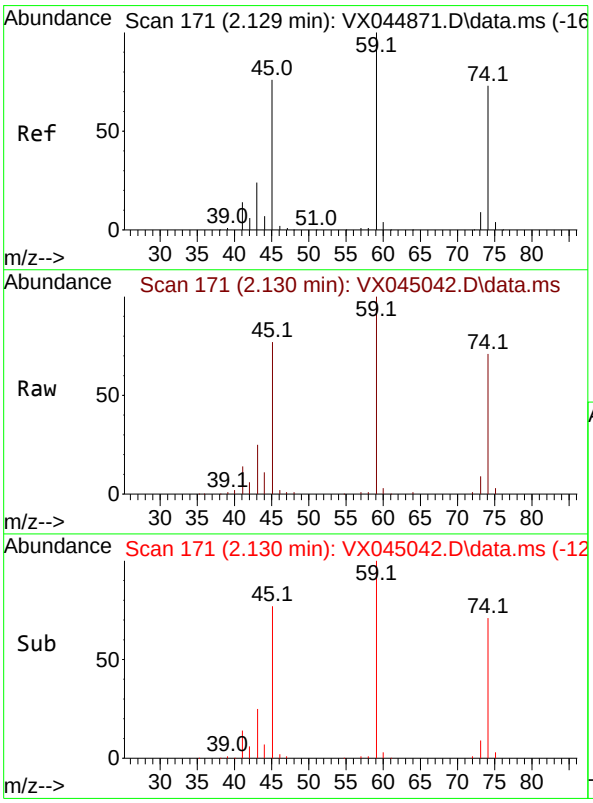
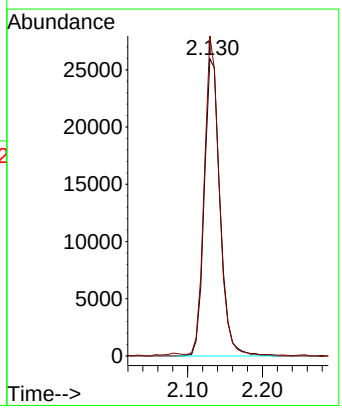
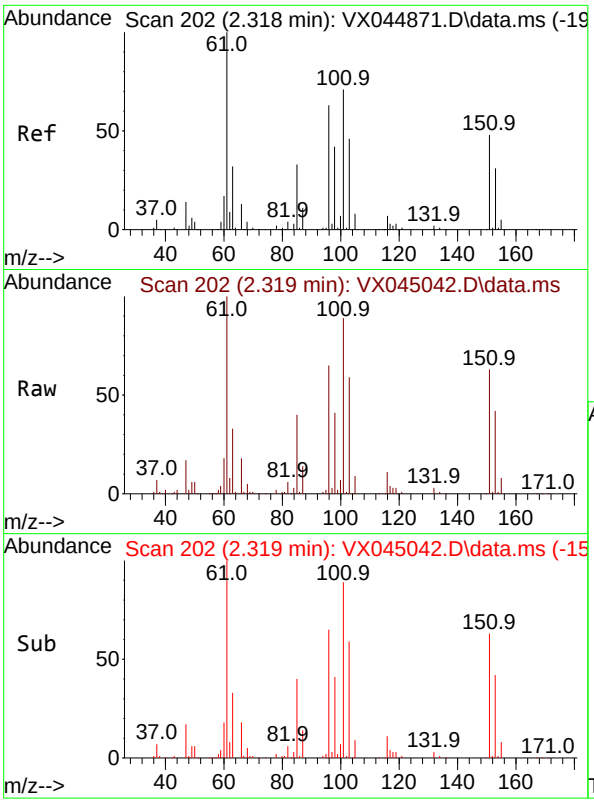


#8
Diethyl Ether
Concen: 49.451 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 74 Resp: 38078

Ion	Ratio	Lower	Upper
74	100		
45	103.7	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.918 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

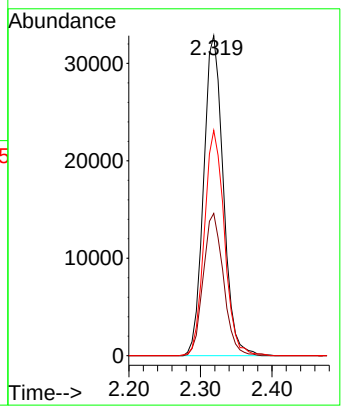
Tgt Ion:101 Resp: 6275

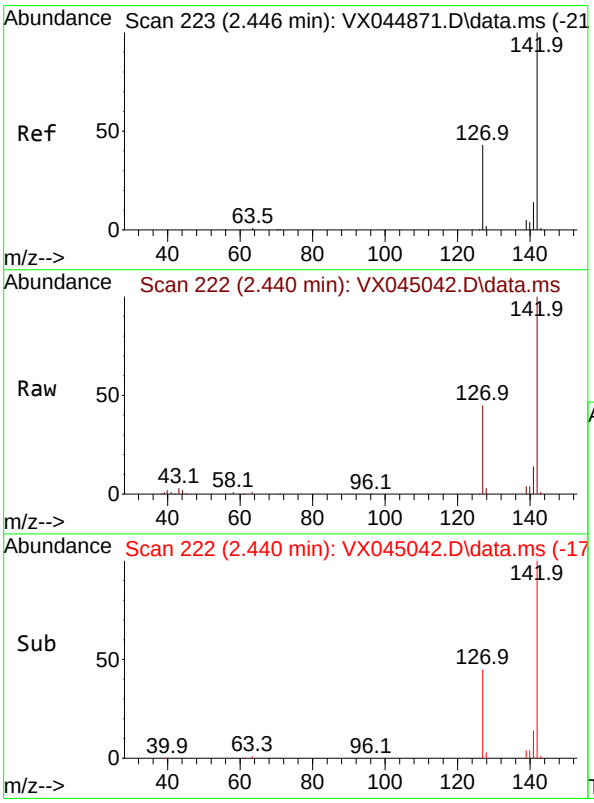
Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.7	53.5
151	71.9	56.0	84.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

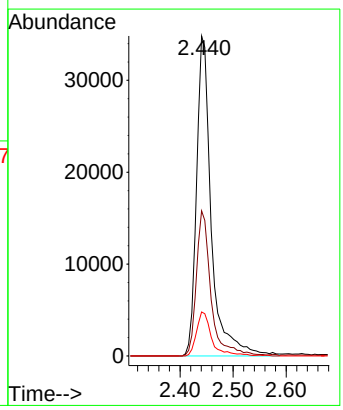


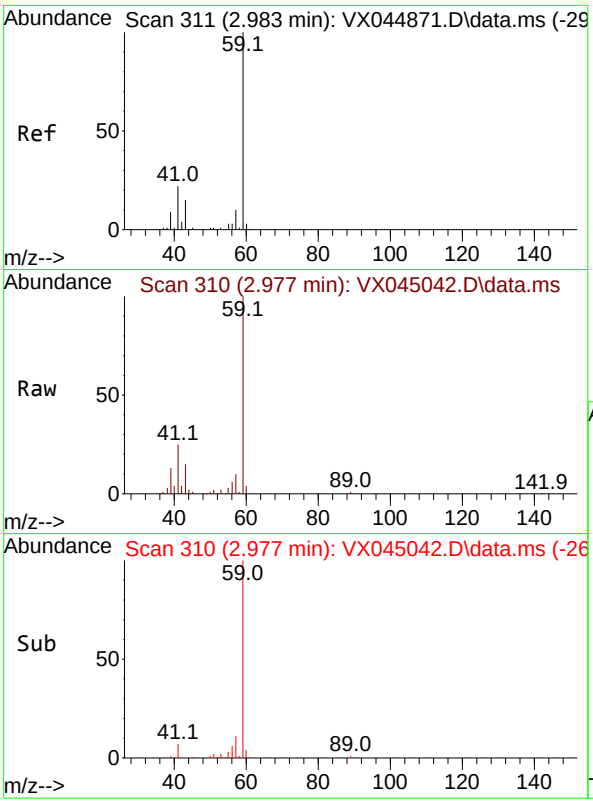


#10
Methyl Iodide
Concen: 40.700 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:142 Resp: 67667

Ion	Ratio	Lower	Upper
142	100		
127	44.7	34.3	51.5
141	14.1	11.4	17.2

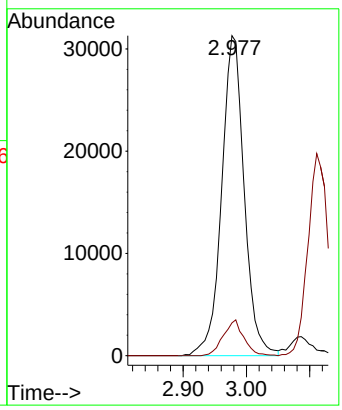




#11
Tert butyl alcohol
Concen: 281.037 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 59 Resp: 7748

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 02/26/2025
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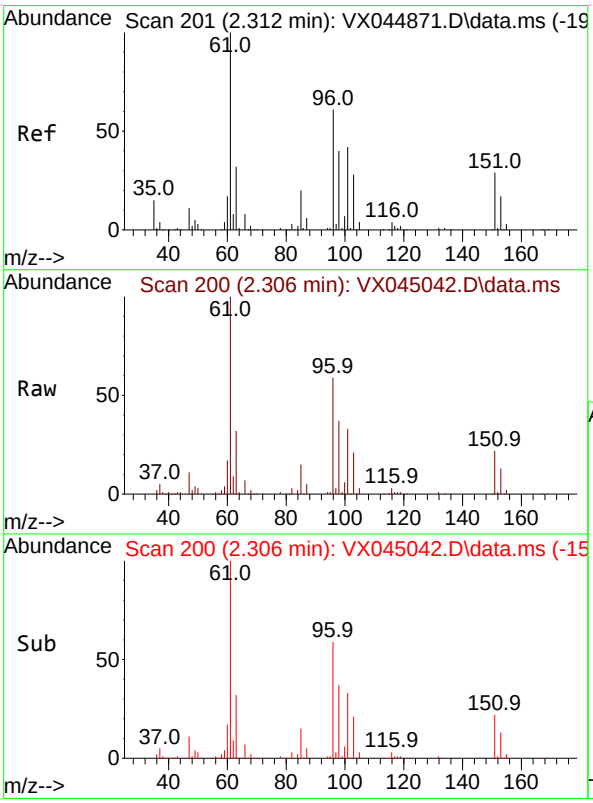
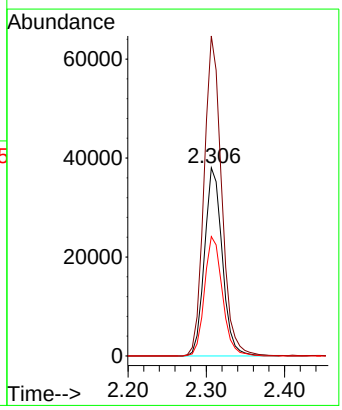
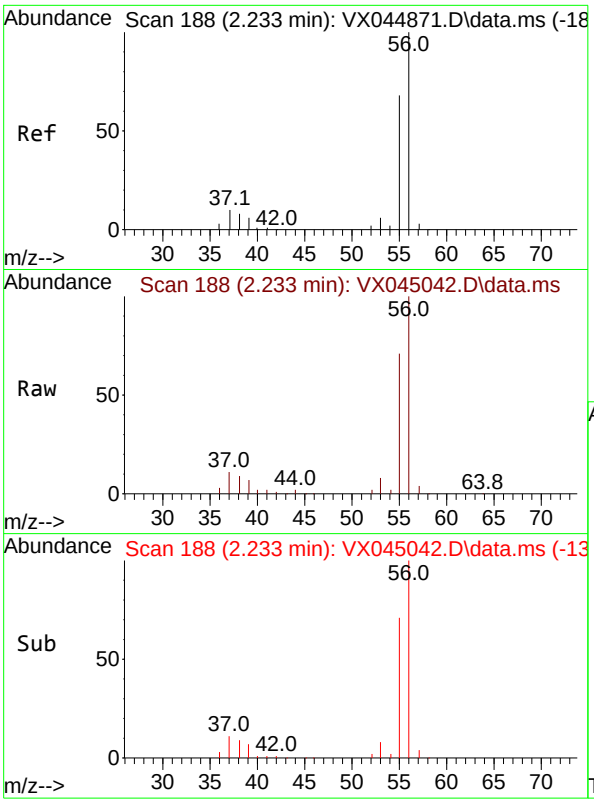


#12
1,1-Dichloroethene
Concen: 45.588 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 96 Resp: 59655

Ion	Ratio	Lower	Upper
96	100		
61	170.1	130.2	195.4
98	63.4	52.2	78.4





#13
Acrolein
Concen: 255.616 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 56 Resp: 7271

Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.7	83.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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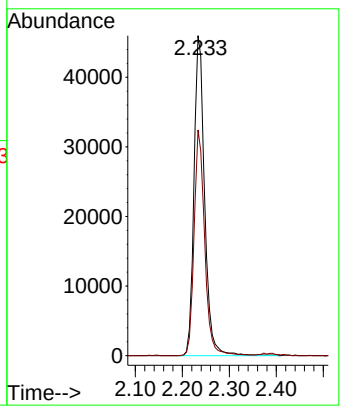
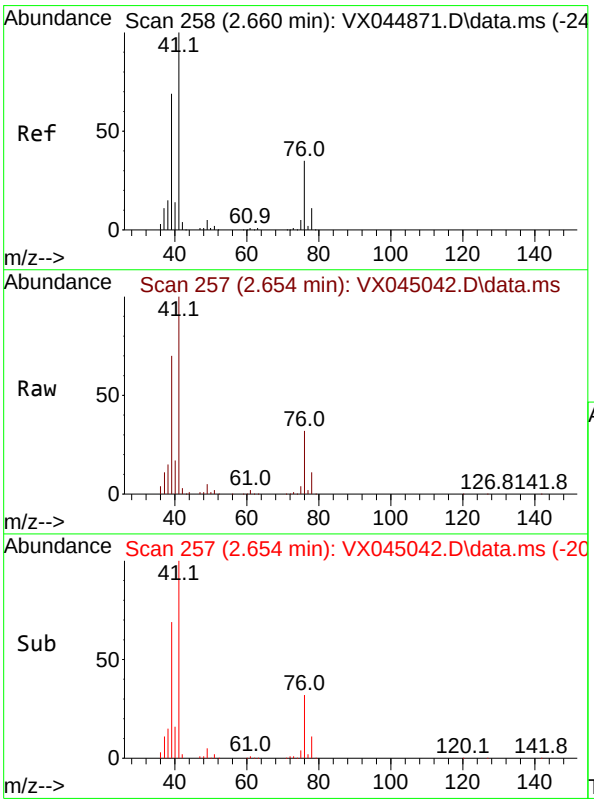
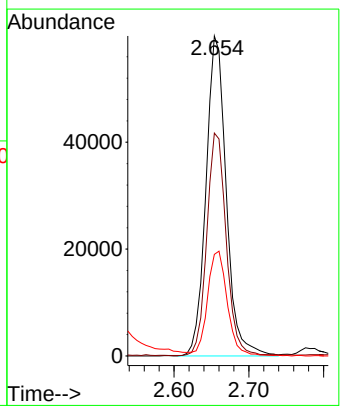


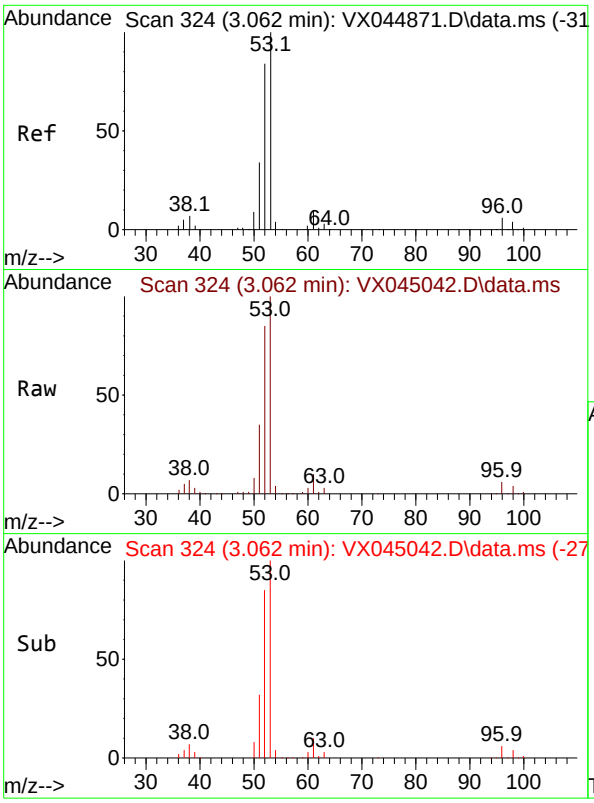


#14
Allyl chloride
Concen: 47.898 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 41 Resp: 113275

Ion	Ratio	Lower	Upper
41	100		
39	66.5	51.4	77.2
76	32.2	27.0	40.4





#15
Acrylonitrile
Concen: 285.568 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 53 Resp: 21021

Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.0	97.6
51	36.4	28.0	42.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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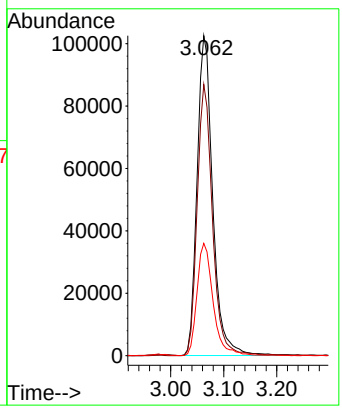
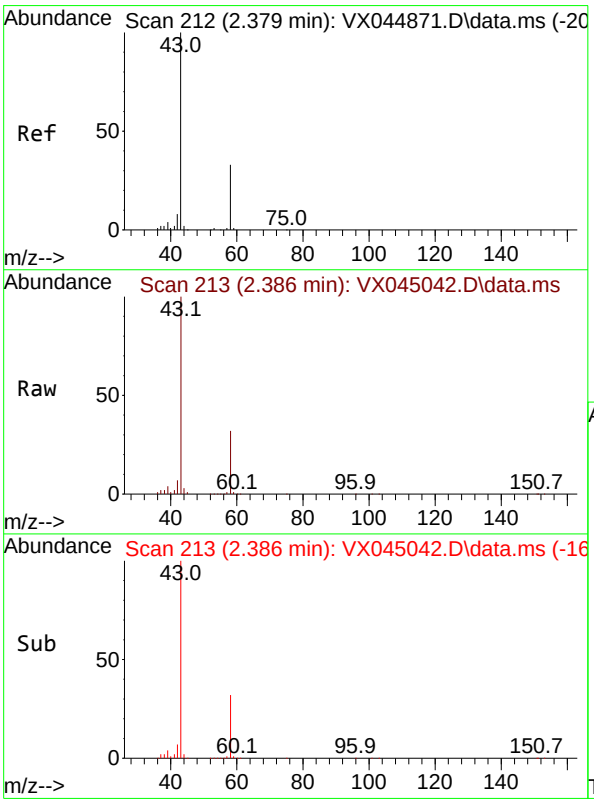
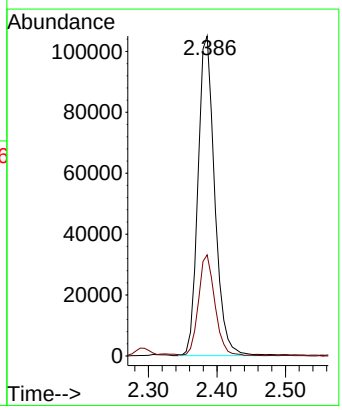


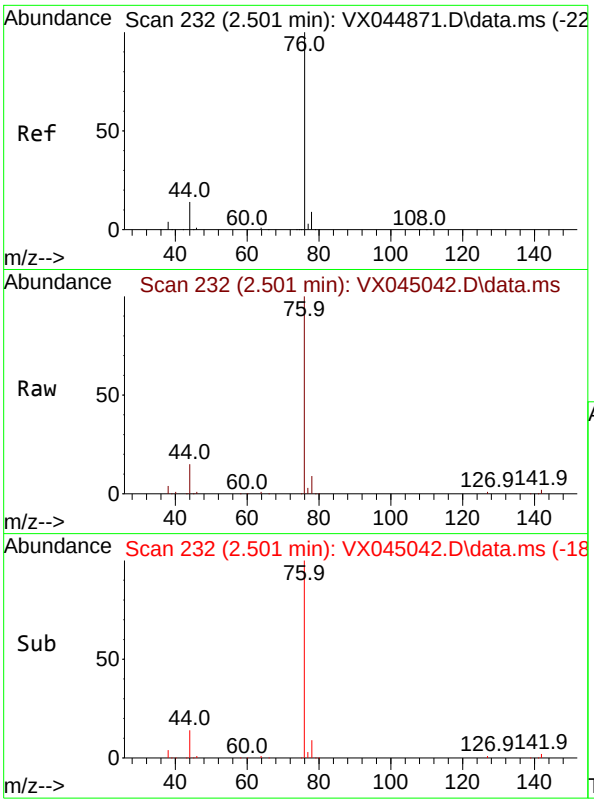


#16
Acetone
Concen: 298.382 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 178266

Ion	Ratio	Lower	Upper
43	100		
58	31.5	26.5	39.7





#17
Carbon Disulfide
Concen: 39.728 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 76 Resp: 14255

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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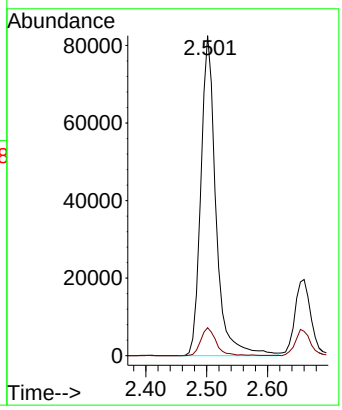
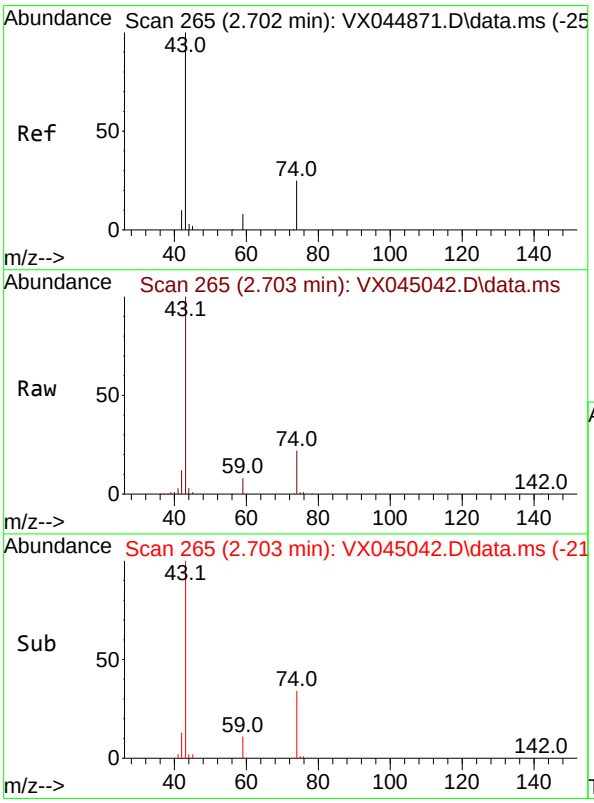
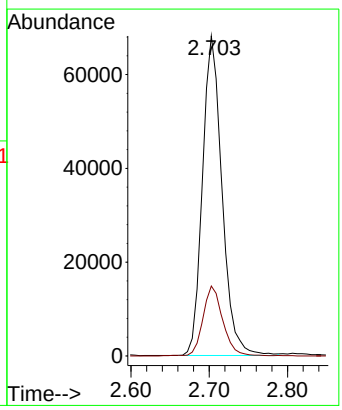


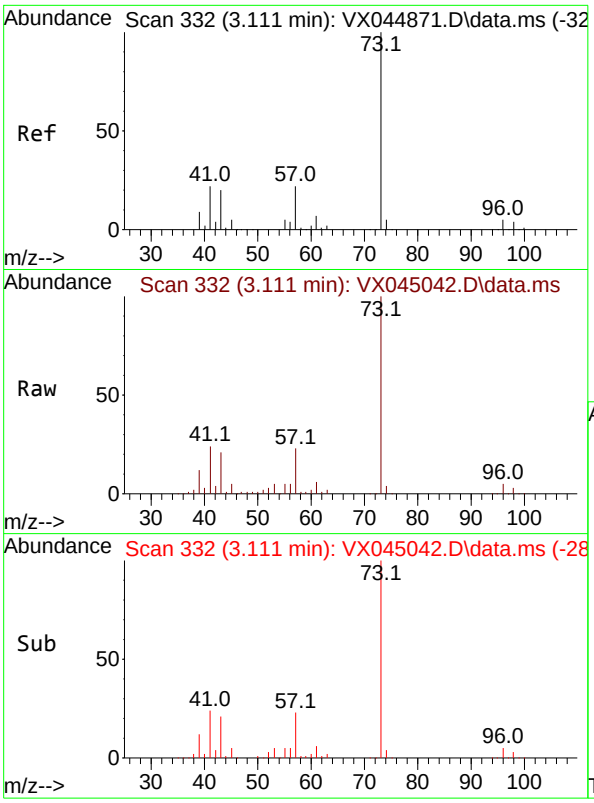


#18
Methyl Acetate
Concen: 62.739 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 118283

Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.9	28.3

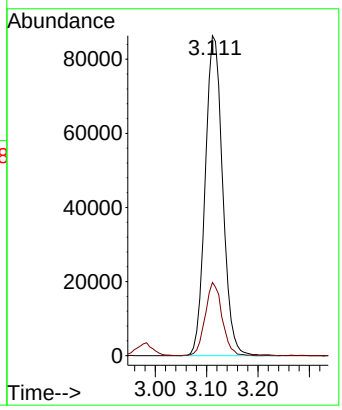




#19
Methyl tert-butyl Ether
Concen: 48.753 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 73 Resp: 20298

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.9	26.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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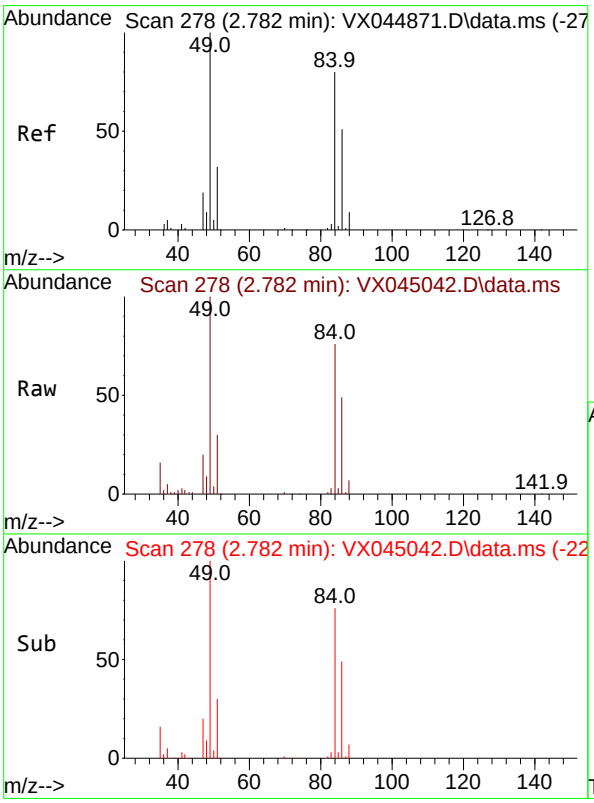
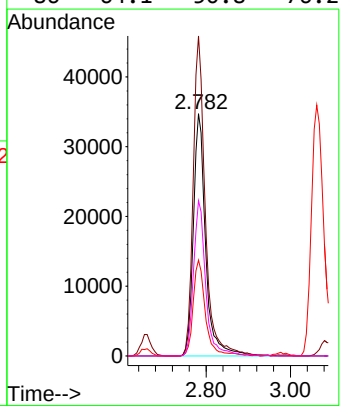
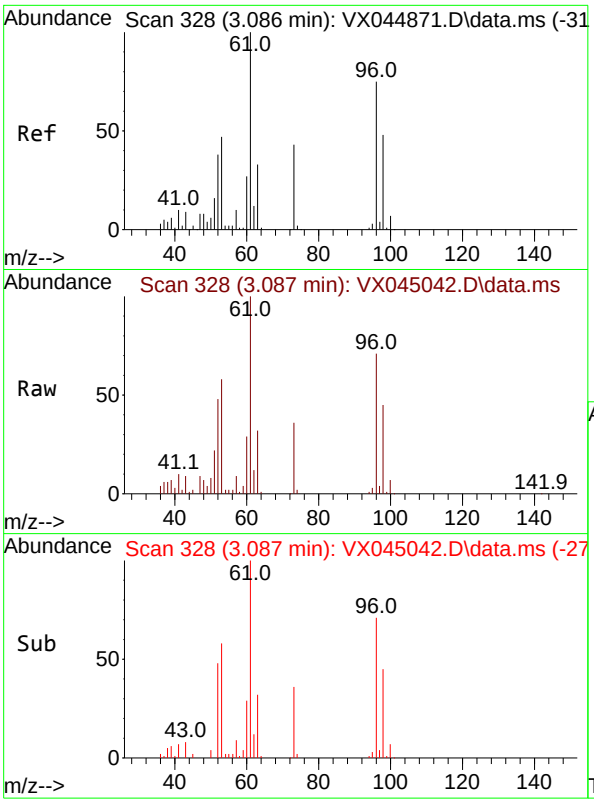


#20
Methylene Chloride
Concen: 48.077 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 84 Resp: 70354

Ion	Ratio	Lower	Upper
84	100		
49	132.1	100.1	150.1
51	39.6	31.7	47.5
86	64.1	50.8	76.2





#21
trans-1,2-Dichloroethene
Concen: 46.216 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 96 Resp: 5952

Ion	Ratio	Lower	Upper
96	100		
61	141.3	106.0	159.0
98	64.2	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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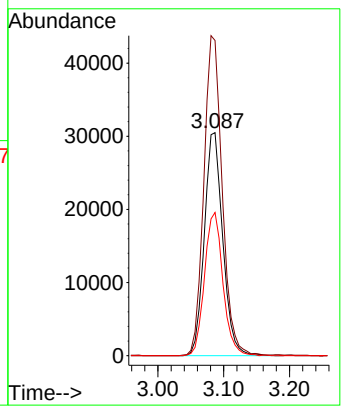
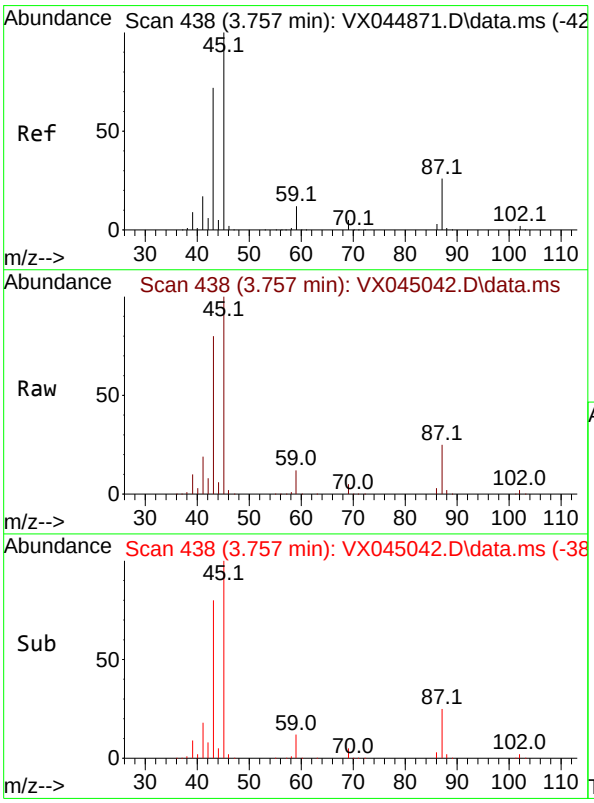
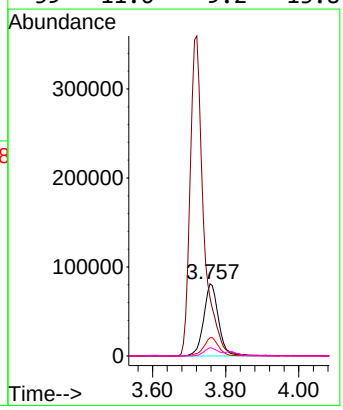


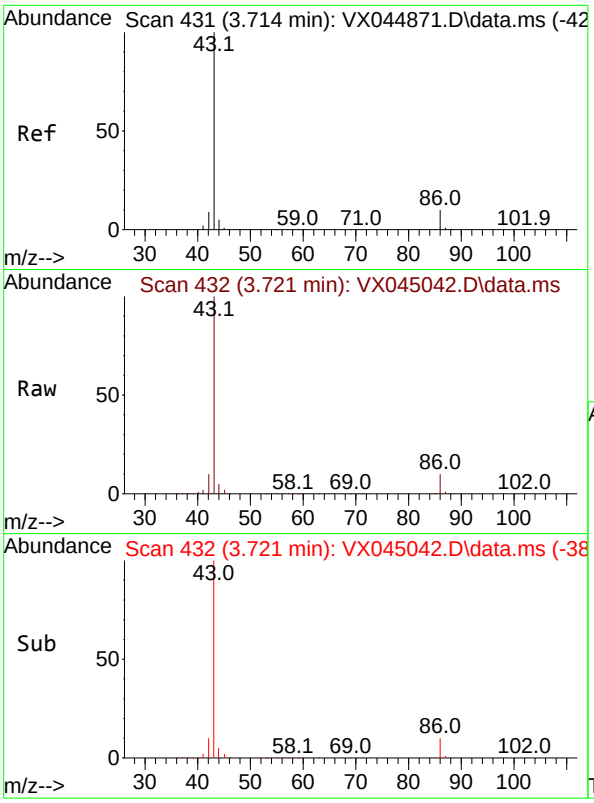


#22
Diisopropyl ether
Concen: 50.838 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 45 Resp: 227456

Ion	Ratio	Lower	Upper
45	100		
43	79.6	58.0	87.0
87	25.2	20.7	31.1
59	11.6	9.2	13.8





#23
Vinyl Acetate
Concen: 253.291 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 92390

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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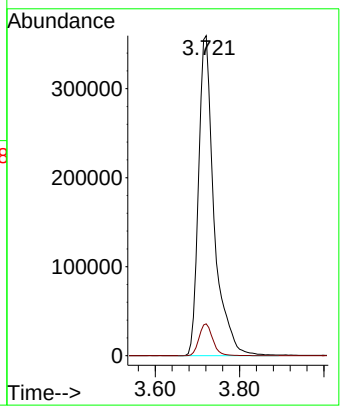
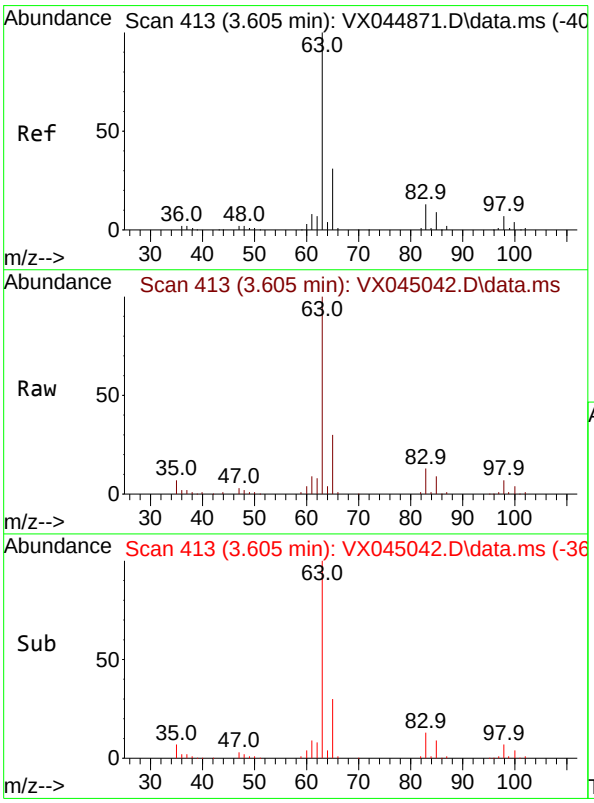
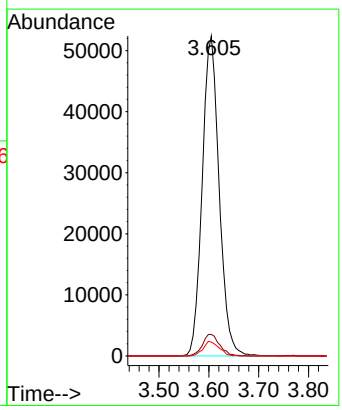


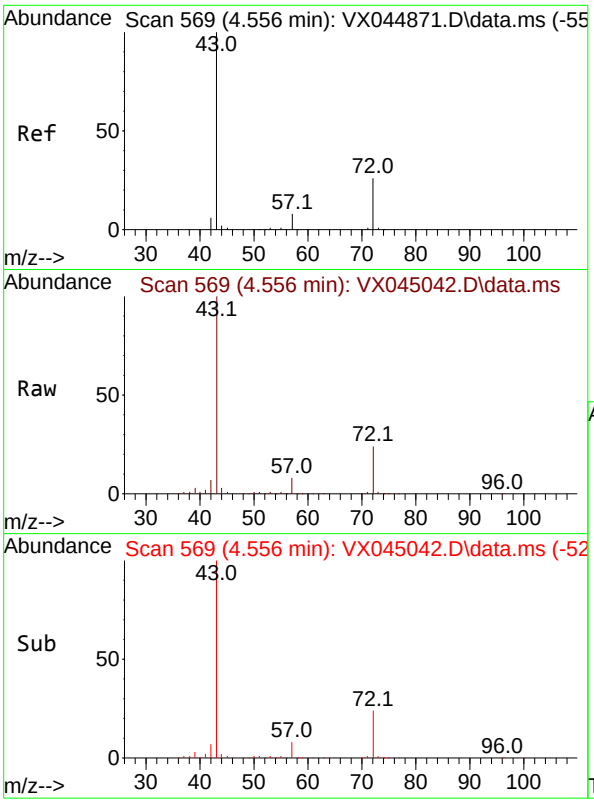


#24
1,1-Dichloroethane
Concen: 49.371 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 63 Resp: 123599

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.3	9.9
100	4.4	2.1	6.5

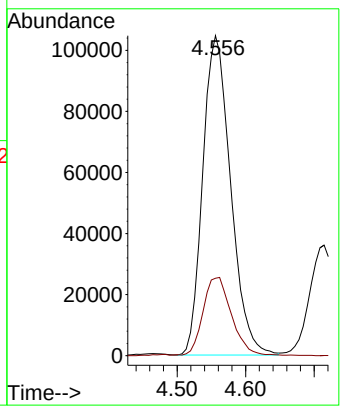




#25
2-Butanone
Concen: 304.657 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 29555

Ion	Ratio	Lower	Upper
43	100		
72	24.0	21.2	31.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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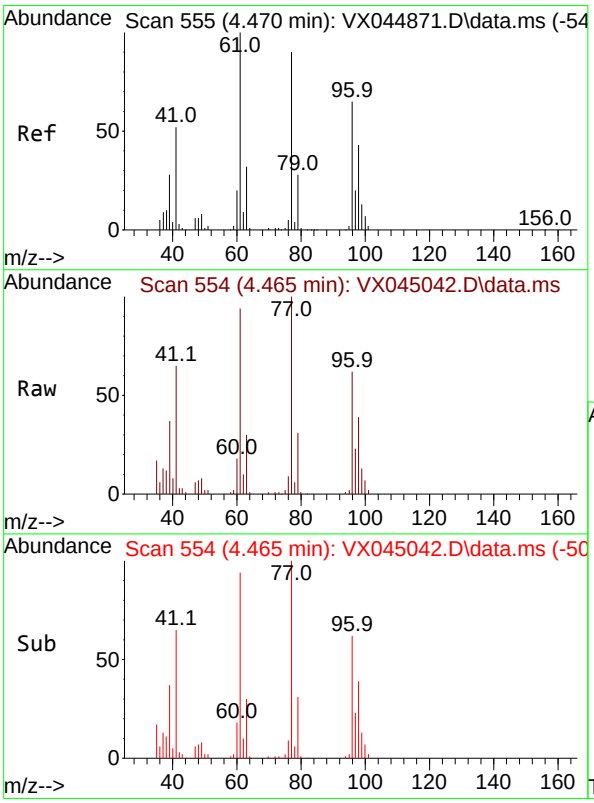
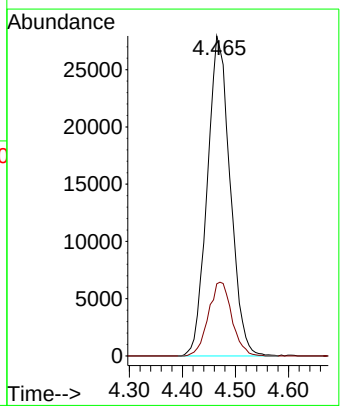
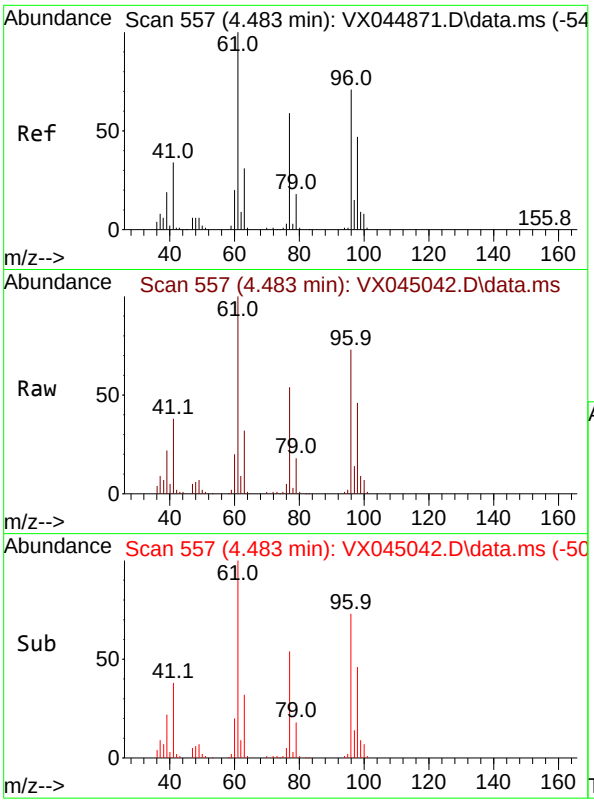


#26
2,2-Dichloropropane
Concen: 42.253 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 77 Resp: 83886

Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.8	35.3





#27
cis-1,2-Dichloroethene
Concen: 48.253 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 96 Resp: 7464

Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	294.0
98	65.0	0.0	131.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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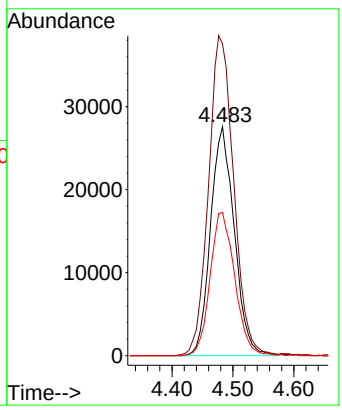
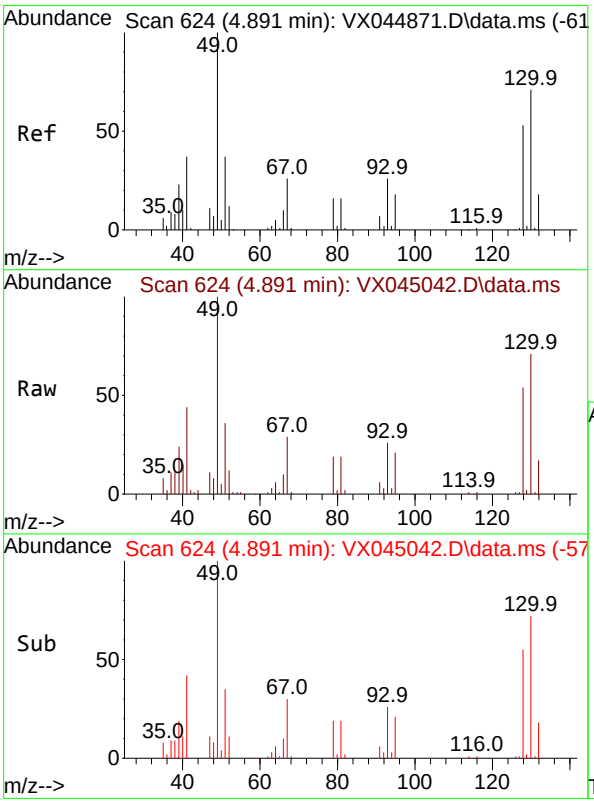
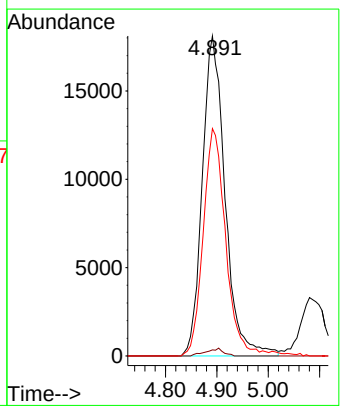


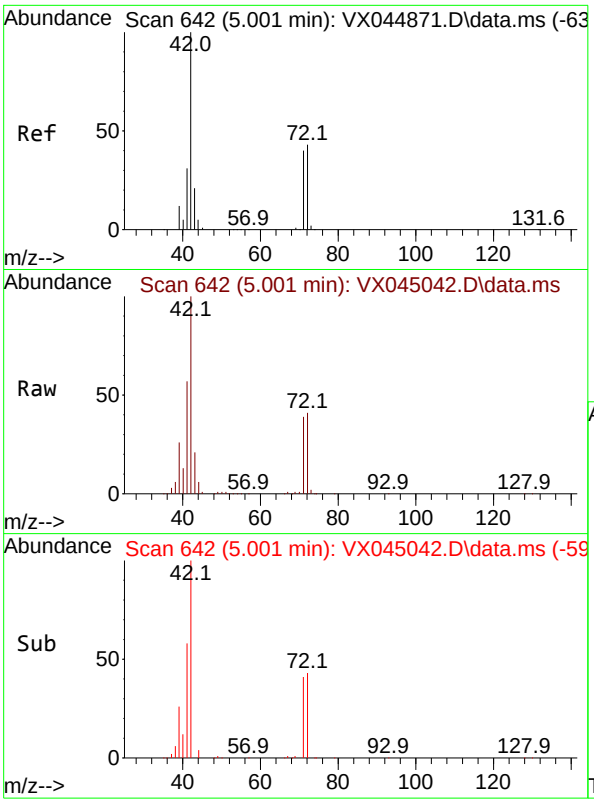


#28
Bromochloromethane
Concen: 46.355 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 49 Resp: 55770

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.8	56.7	85.1

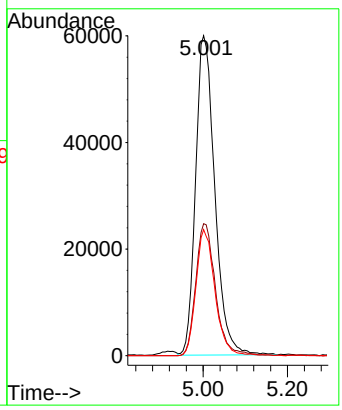




#29
Tetrahydrofuran
Concen: 294.997 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 42 Resp: 19003

Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.0	52.4
71	39.1	32.6	48.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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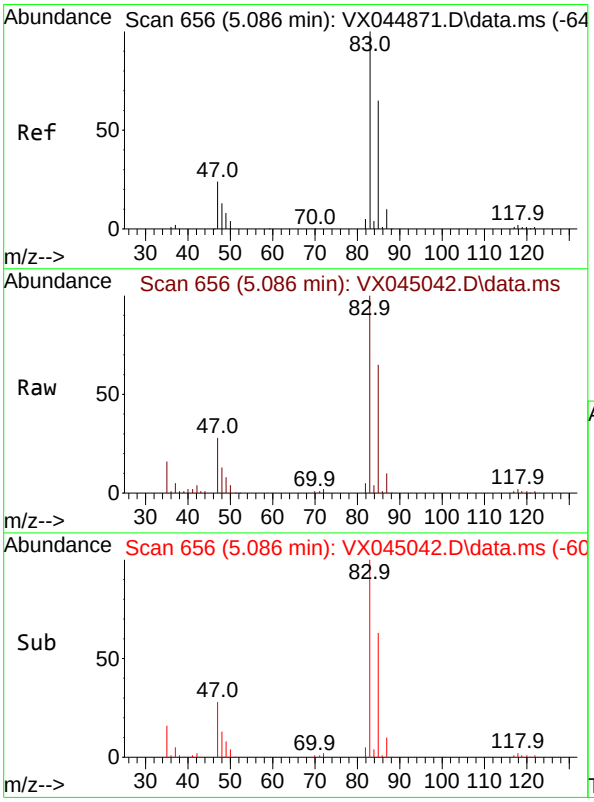
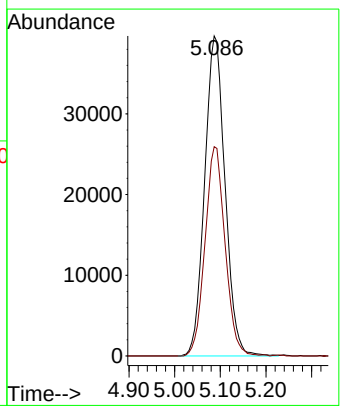
Supervised By :Mahesh Dadoda 02/26/2025

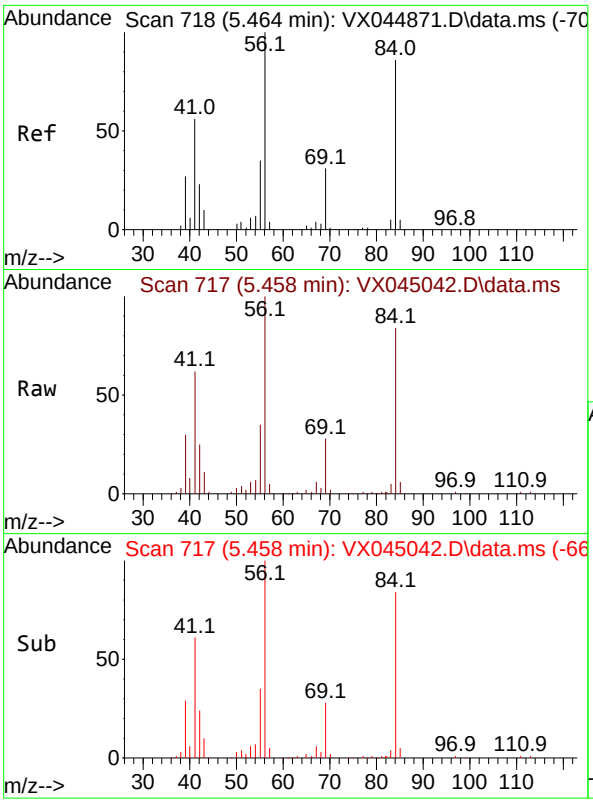


#30
Chloroform
Concen: 50.613 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 83 Resp: 122880

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.1	78.1

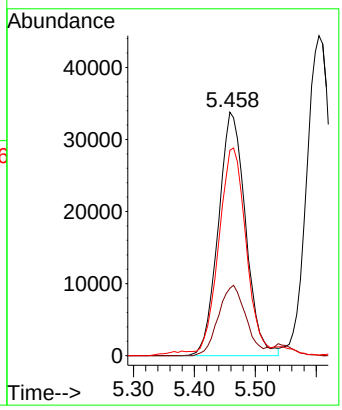




#31
Cyclohexane
Concen: 45.441 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 56 Resp: 10487

Ion	Ratio	Lower	Upper
56	100		
69	27.7	24.4	36.6
84	83.0	69.0	103.6



Instrument :
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ClientSampleId :
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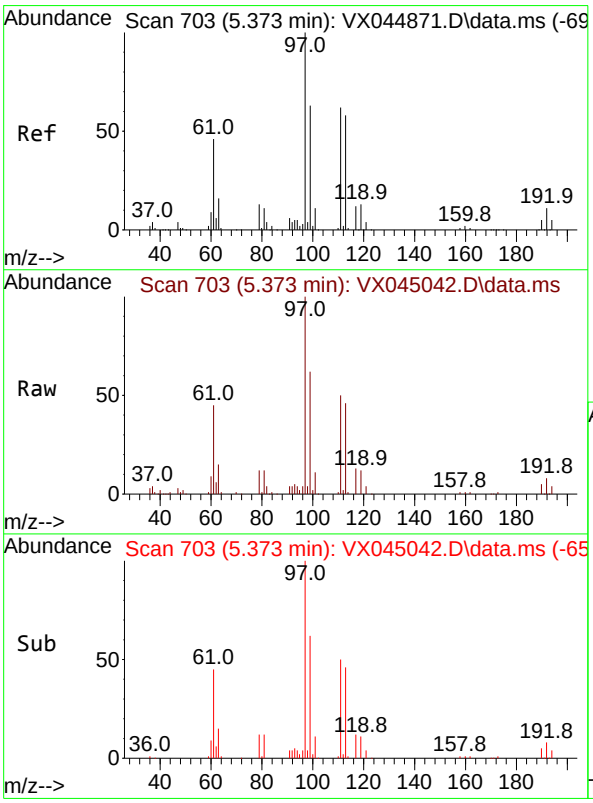
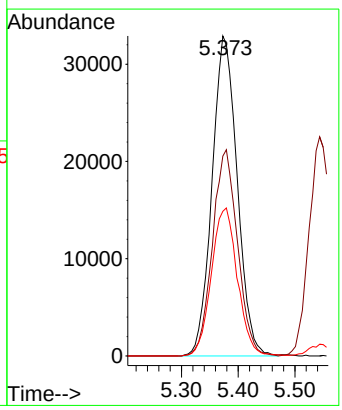
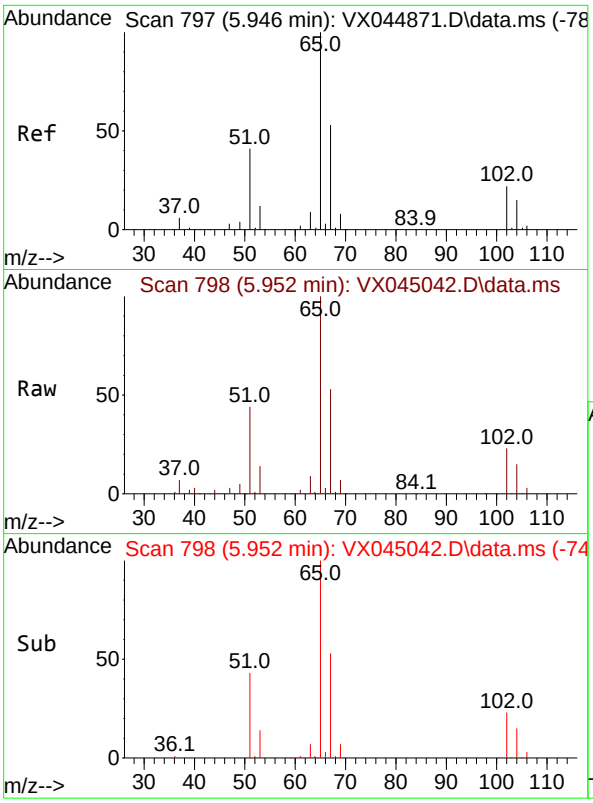


#32
1,1,1-Trichloroethane
Concen: 49.259 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 97 Resp: 101440

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	48.0	36.6	55.0

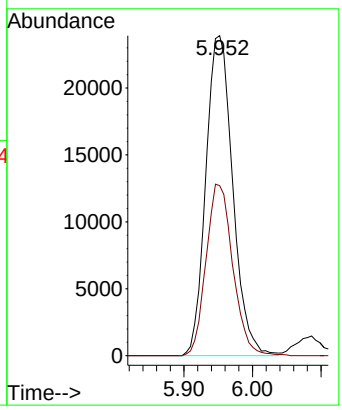




#33
1,2-Dichloroethane-d4
Concen: 43.914 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 65 Resp: 6526

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.2



Instrument :
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ClientSampleId :
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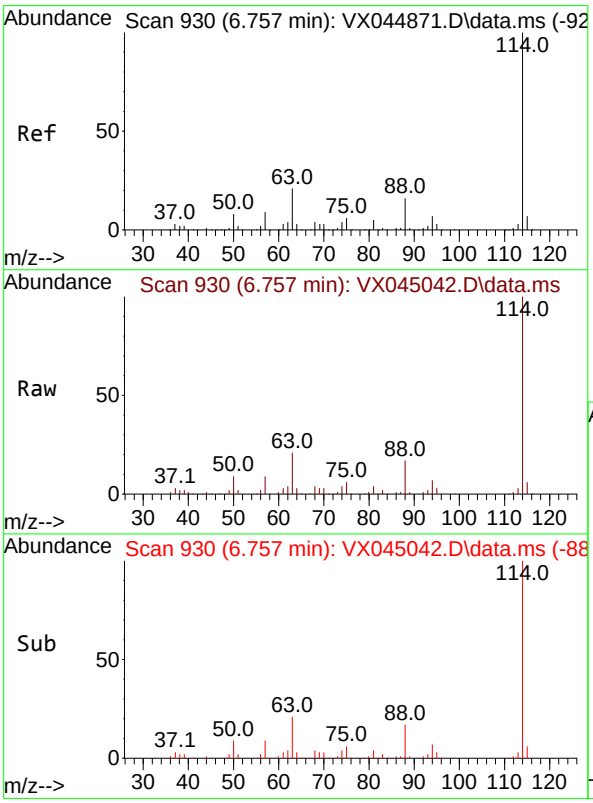
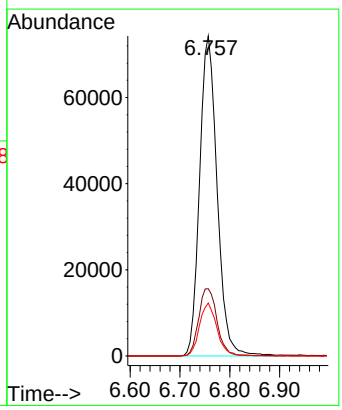
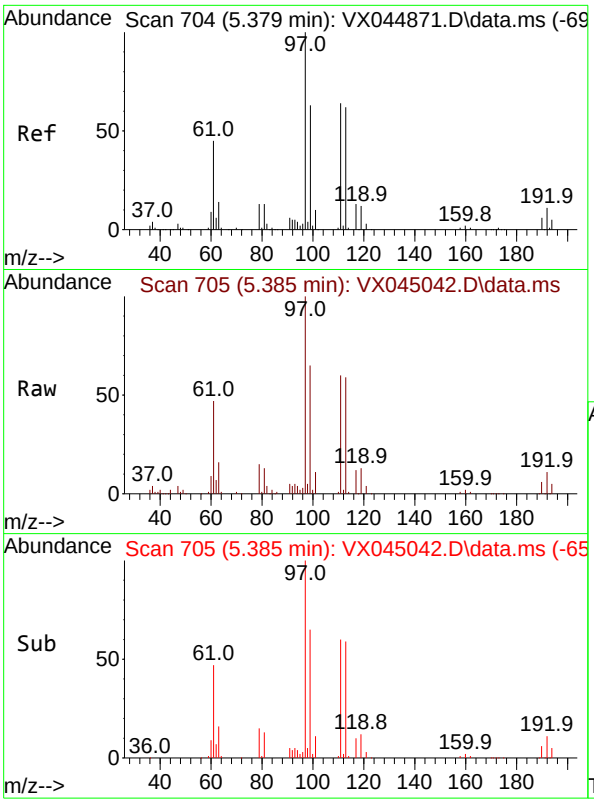


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:114 Resp: 181291

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.4
88	16.6	0.0	31.4

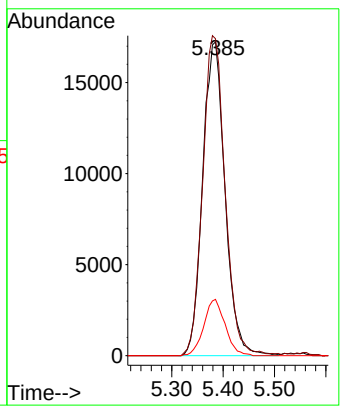




#35
Dibromofluoromethane
Concen: 44.160 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:113 Resp: 5205

Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.5	125.3
192	17.1	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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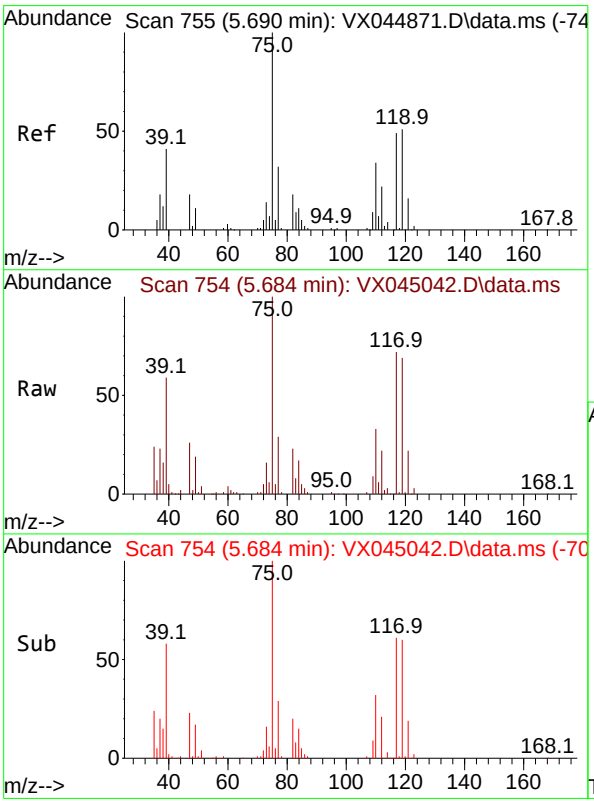
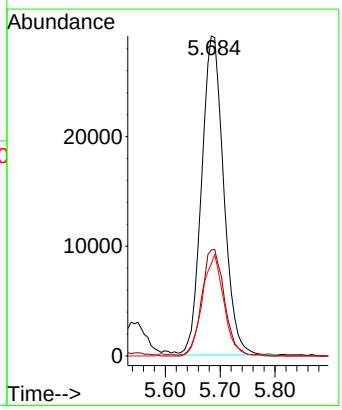
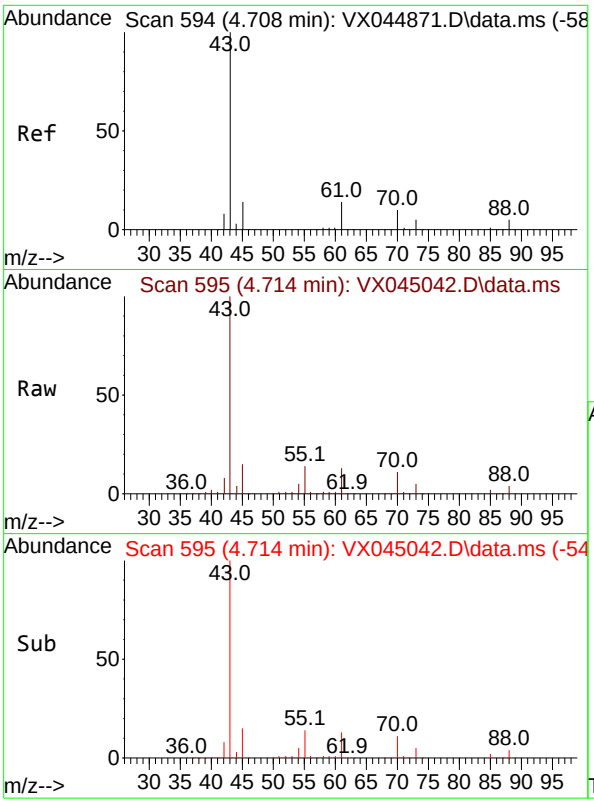


#36
1,1-Dichloropropene
Concen: 47.660 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 81048

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.2	51.6
77	31.1	24.6	37.0

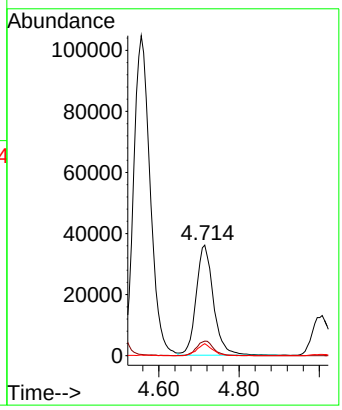




#37
Ethyl Acetate
Concen: 57.029 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 10787

Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	9.8	8.2	12.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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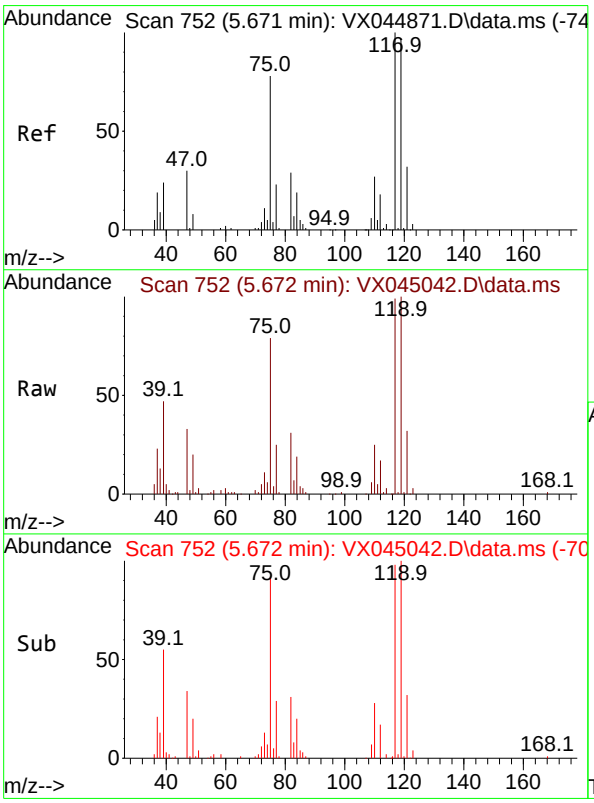
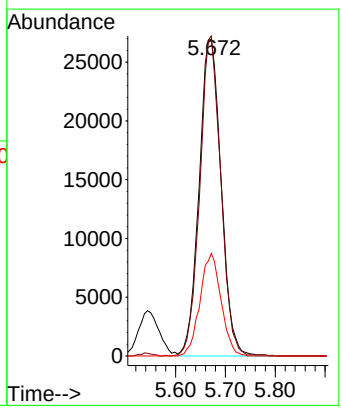
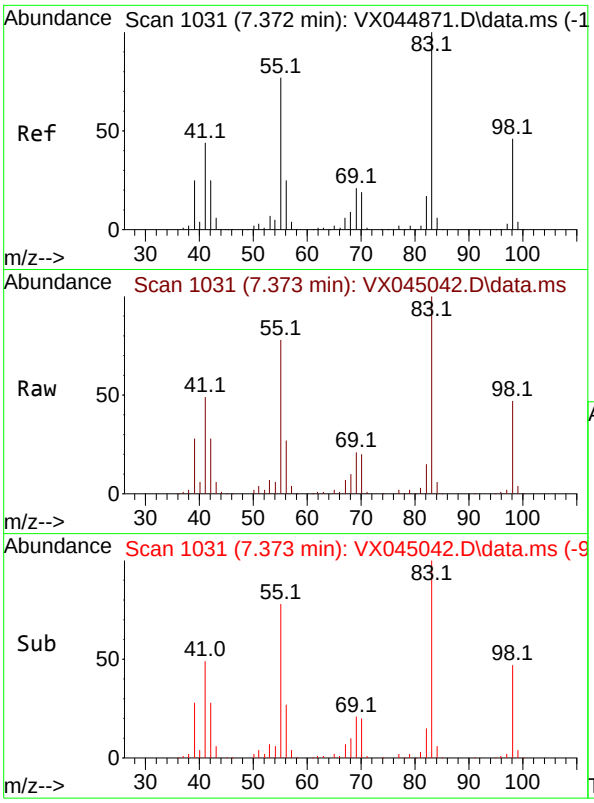


#38
Carbon Tetrachloride
Concen: 49.565 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:117 Resp: 82597

Ion	Ratio	Lower	Upper
117	100		
119	101.0	77.5	116.3
121	32.4	25.6	38.4

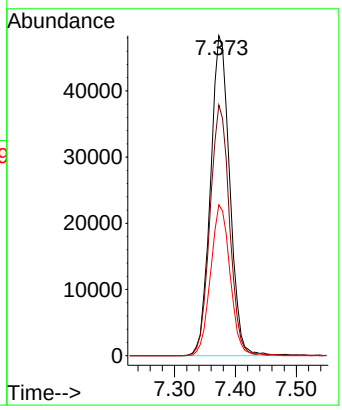




#39
Methylcyclohexane
Concen: 48.316 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 83 Resp: 10622

Ion	Ratio	Lower	Upper
83	100		
55	78.3	61.3	91.9
98	47.1	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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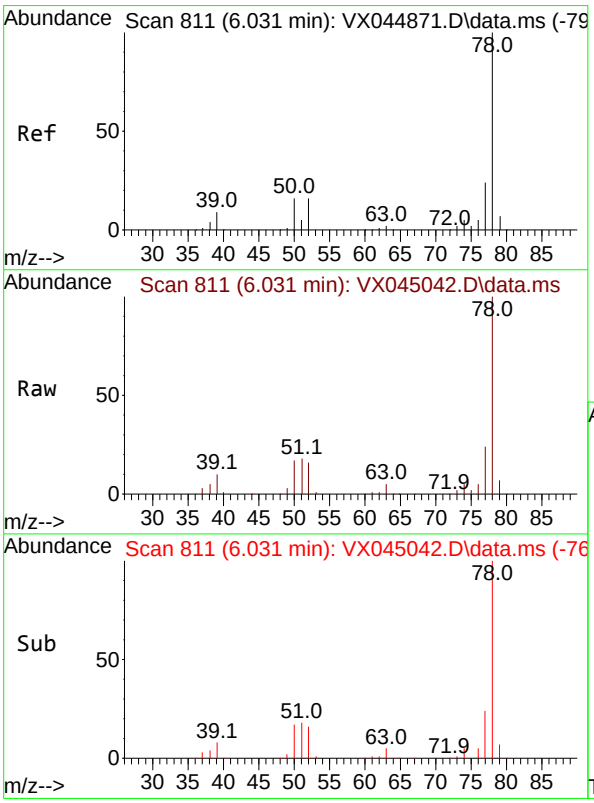
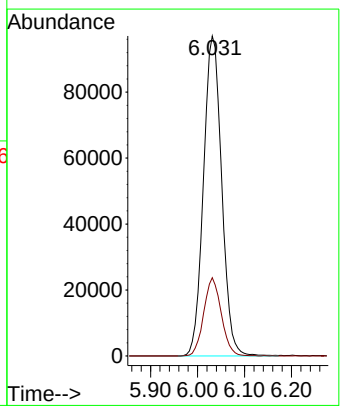
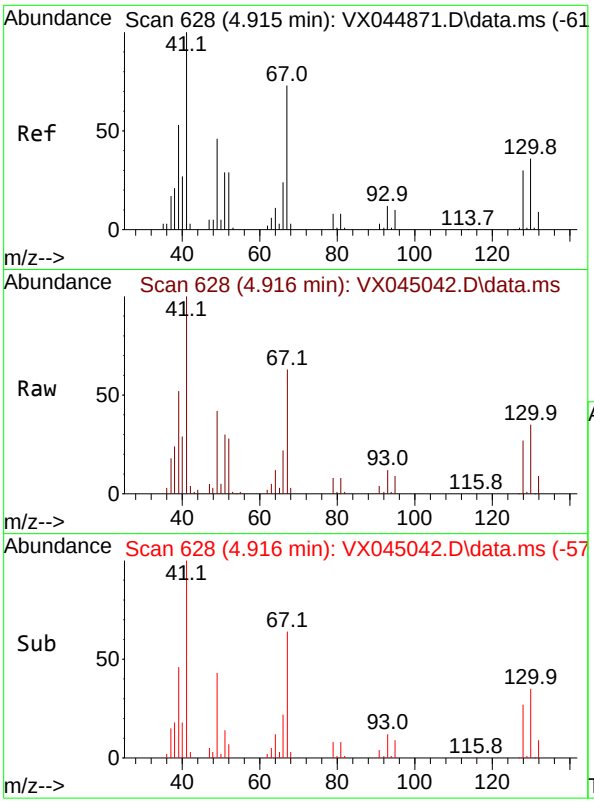


#40
Benzene
Concen: 49.173 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 78 Resp: 261113

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6

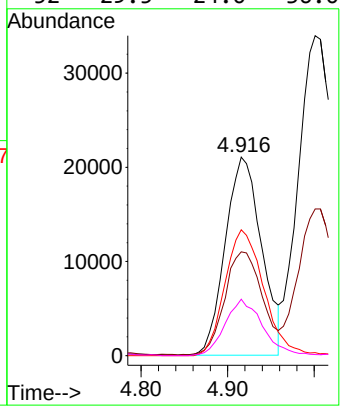




#41
Methacrylonitrile
Concen: 60.575 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 41 Resp: 6132

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.1	64.7
67	68.3	57.0	85.6
52	29.5	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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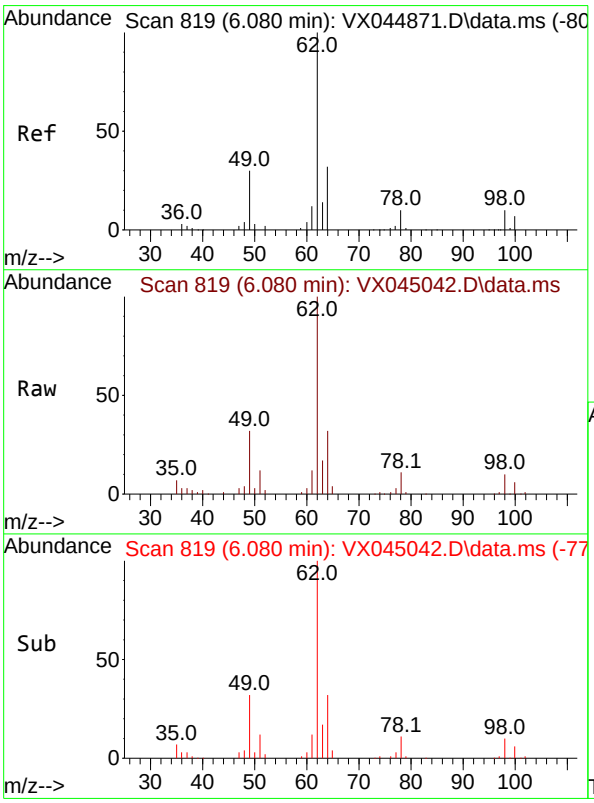
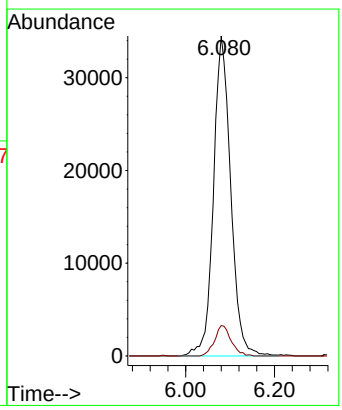
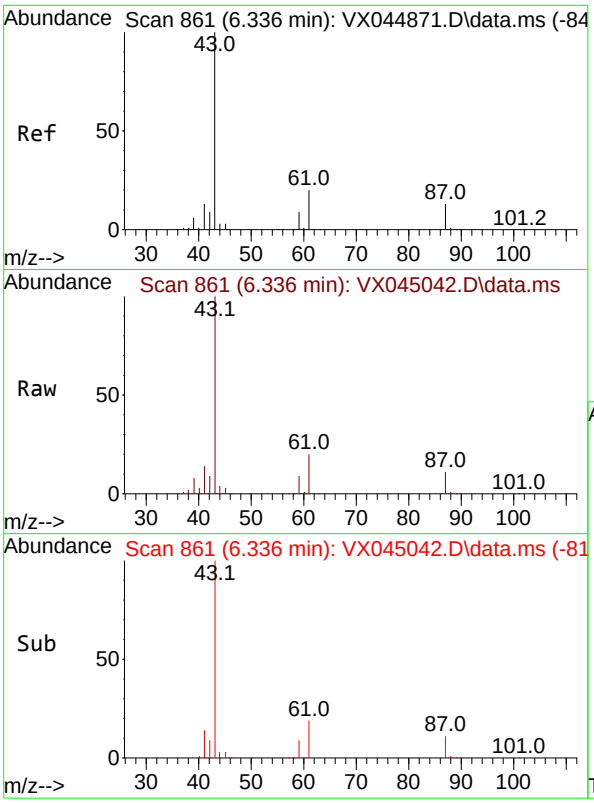


#42
1,2-Dichloroethane
Concen: 54.837 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 62 Resp: 92805

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.4

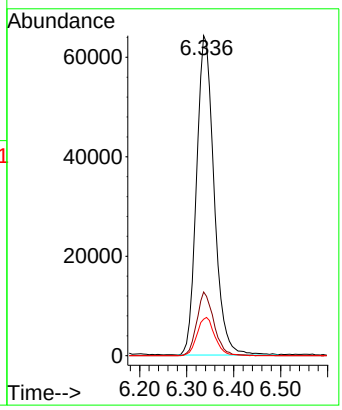




#43
Isopropyl Acetate
Concen: 54.640 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 16689

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.8	23.8
87	12.1	10.0	15.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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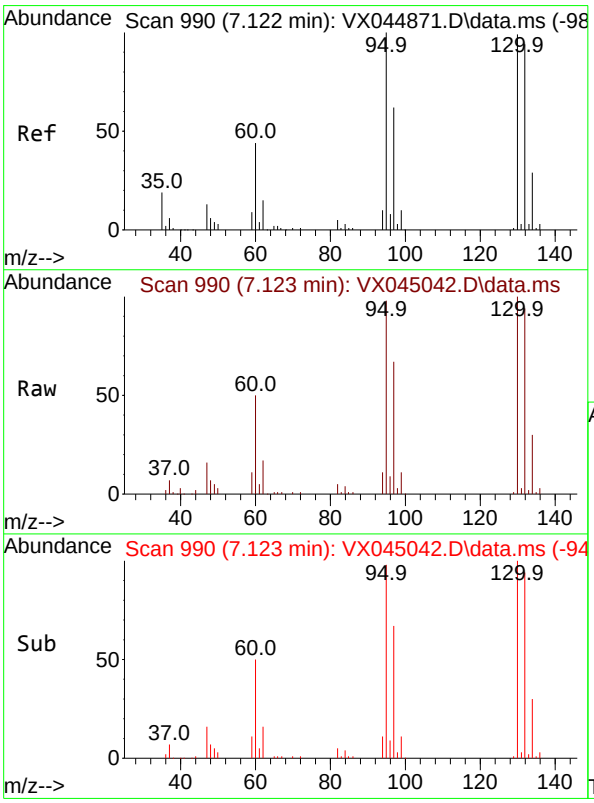
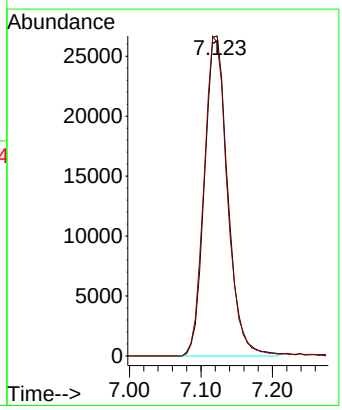
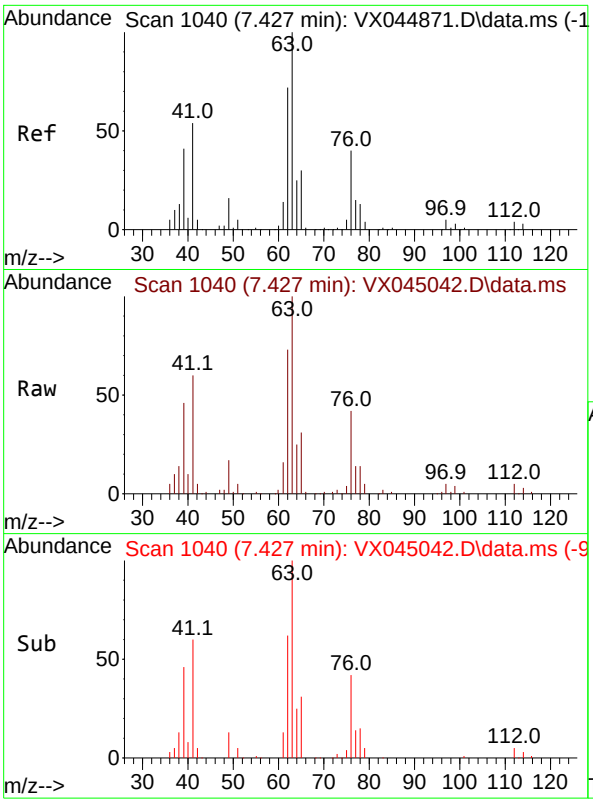


#44
Trichloroethene
Concen: 49.623 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:130 Resp: 60229

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	202.4

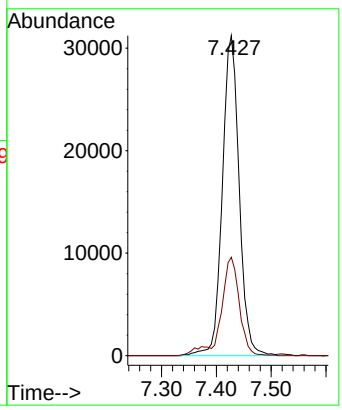




#45
1,2-Dichloropropane
Concen: 50.580 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 63 Resp: 6681

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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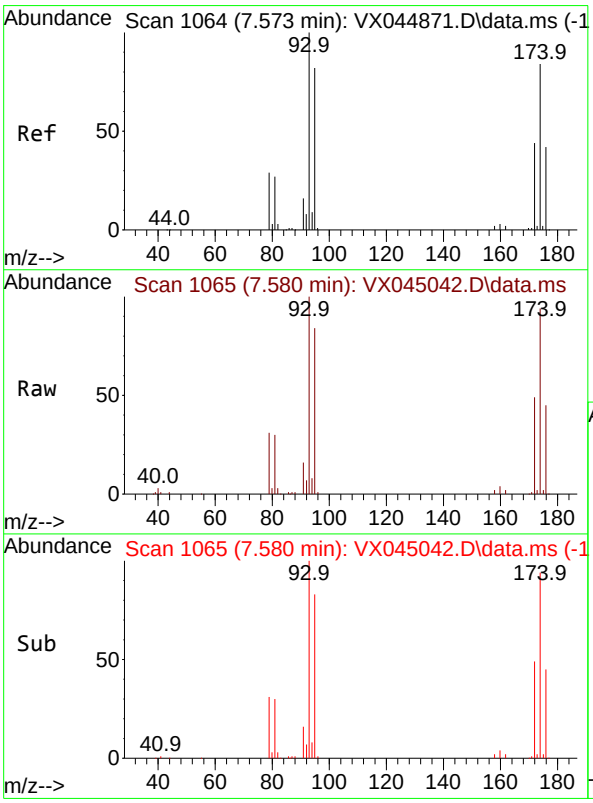
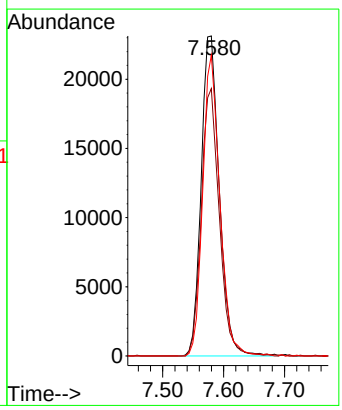
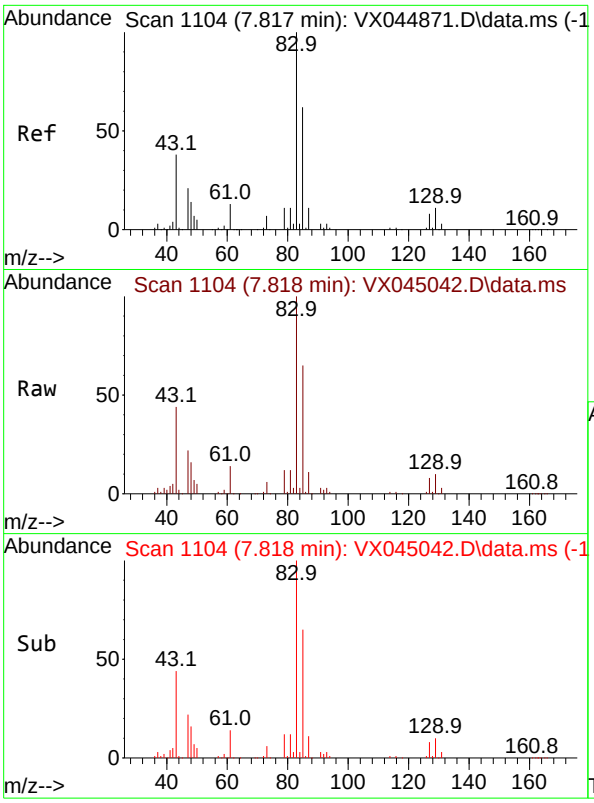


#46
Dibromomethane
Concen: 52.418 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 93 Resp: 48023

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.2	99.4
174	88.8	69.9	104.9

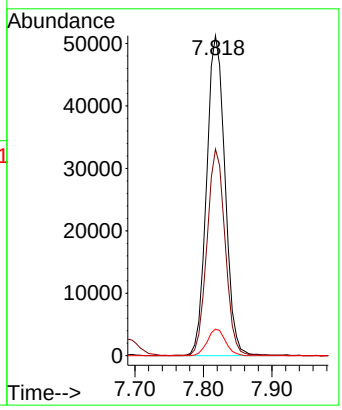




#47
Bromodichloromethane
Concen: 53.860 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 83 Resp: 9554

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.0	75.0
127	8.3	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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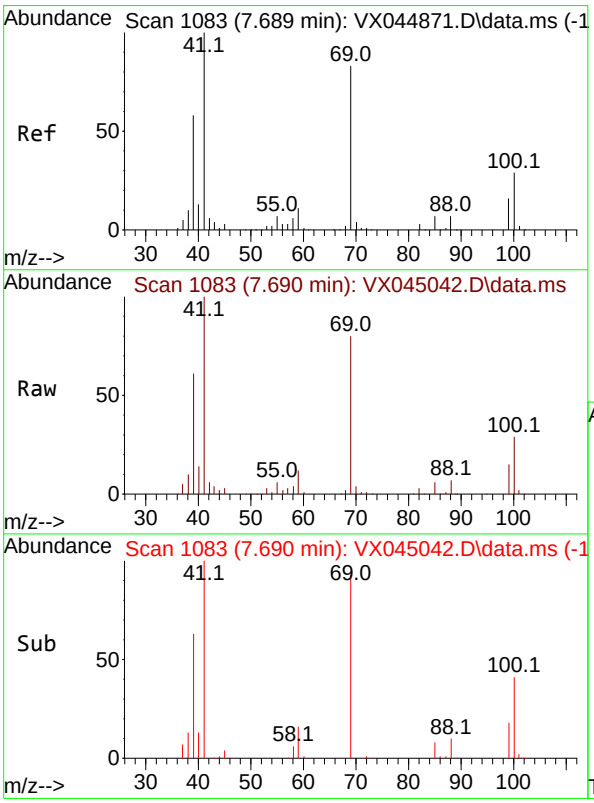
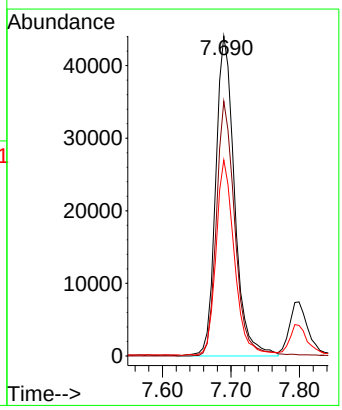
Supervised By :Mahesh Dadoda 02/26/2025

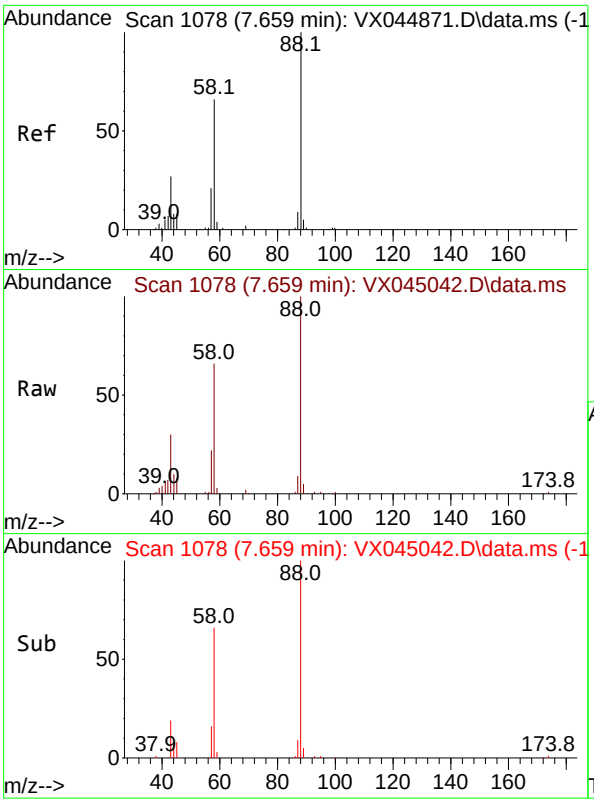


#48
Methyl methacrylate
Concen: 58.478 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 41 Resp: 84221

Ion	Ratio	Lower	Upper
41	100		
69	77.6	65.8	98.8
39	59.4	46.4	69.6

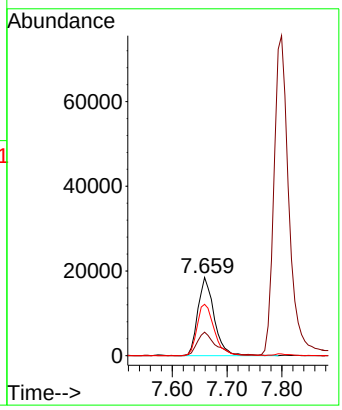




#49
1,4-Dioxane
Concen: 1235.809 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 88 Resp: 3818

Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.6	39.8
58	69.1	55.9	83.9



Instrument :
MSVOA_X
ClientSampleId :
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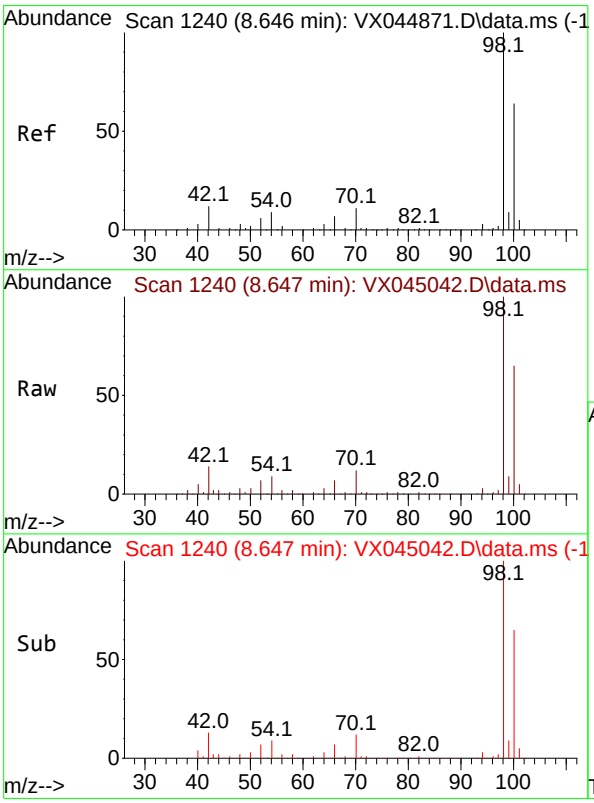
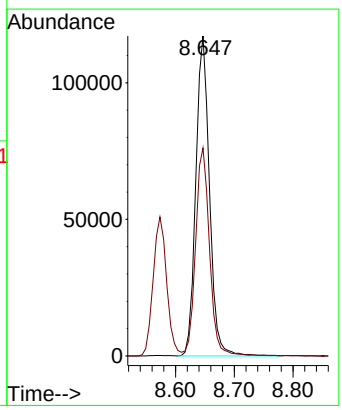
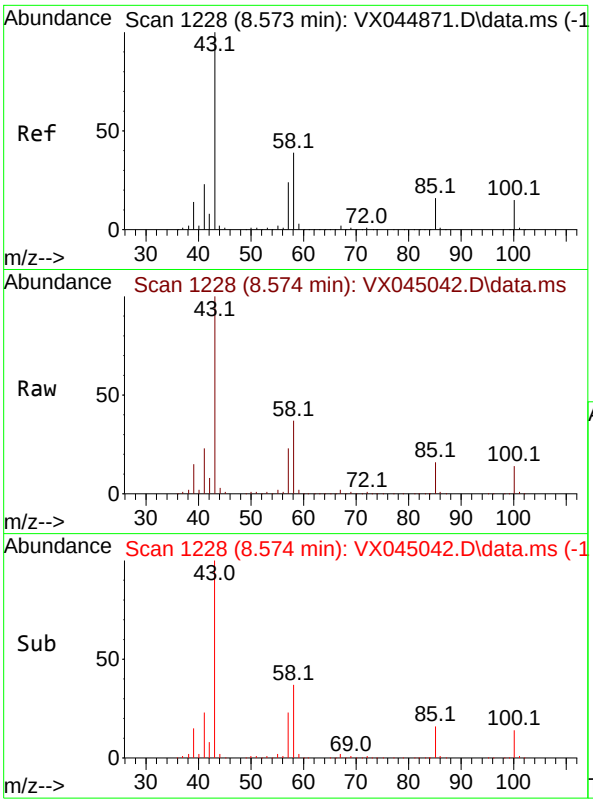


#50
Toluene-d8
Concen: 42.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 98 Resp: 189599

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1

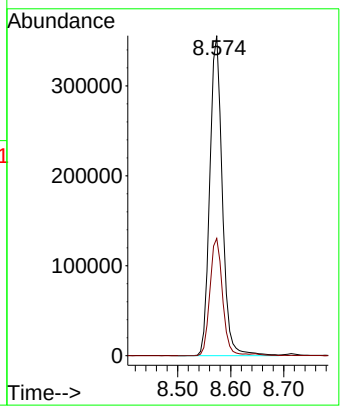




#51
4-Methyl-2-Pentanone
Concen: 314.005 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 58308

Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.8	46.2



Instrument :
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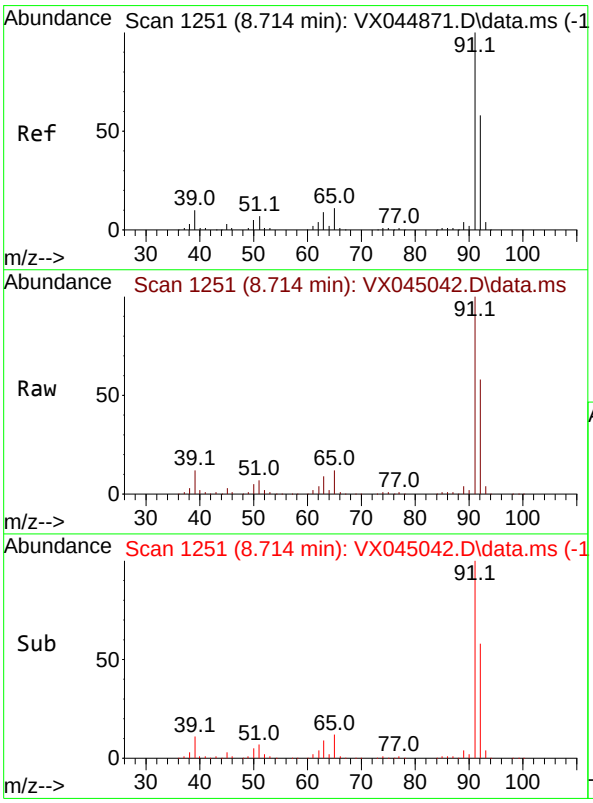
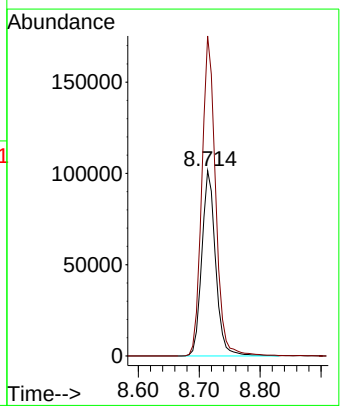
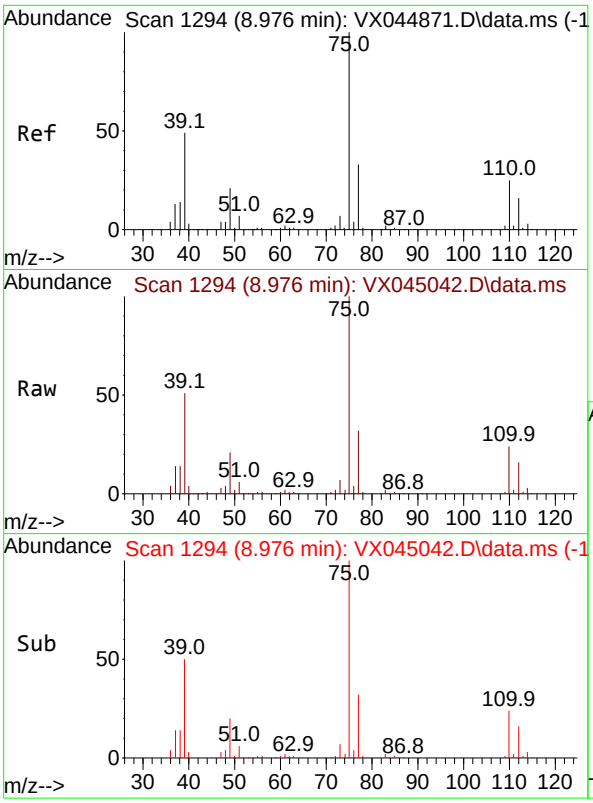


#52
Toluene
Concen: 50.528 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 92 Resp: 159793

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.4	206.2

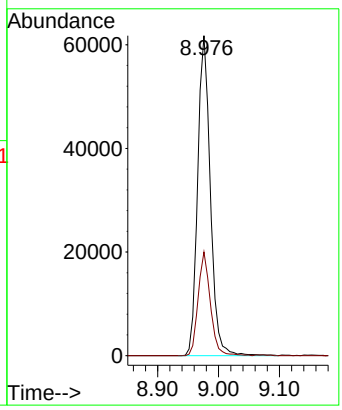




#53
t-1,3-Dichloropropene
Concen: 49.754 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 8931

Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.0	39.0



Instrument :
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ClientSampleId :
VSTDCCC050EC

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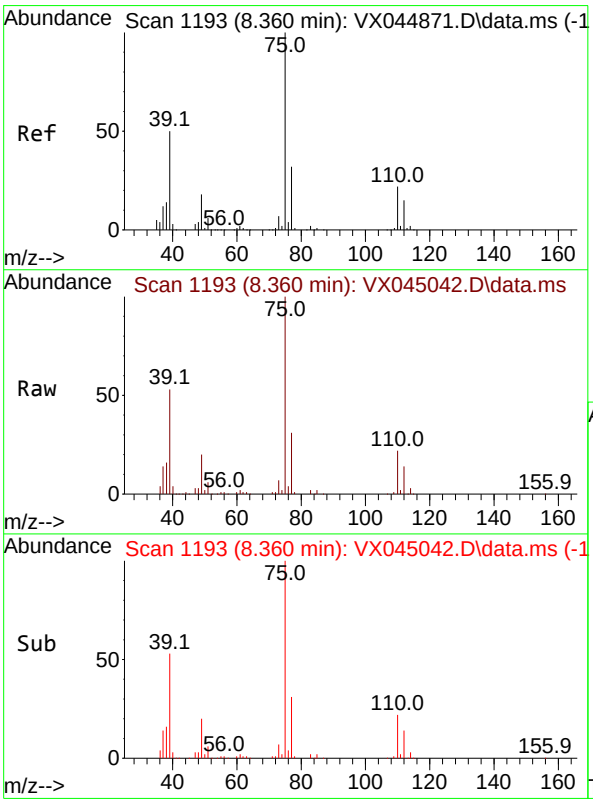
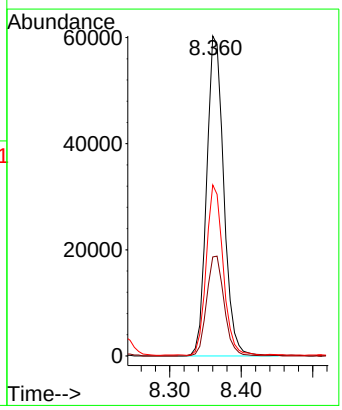
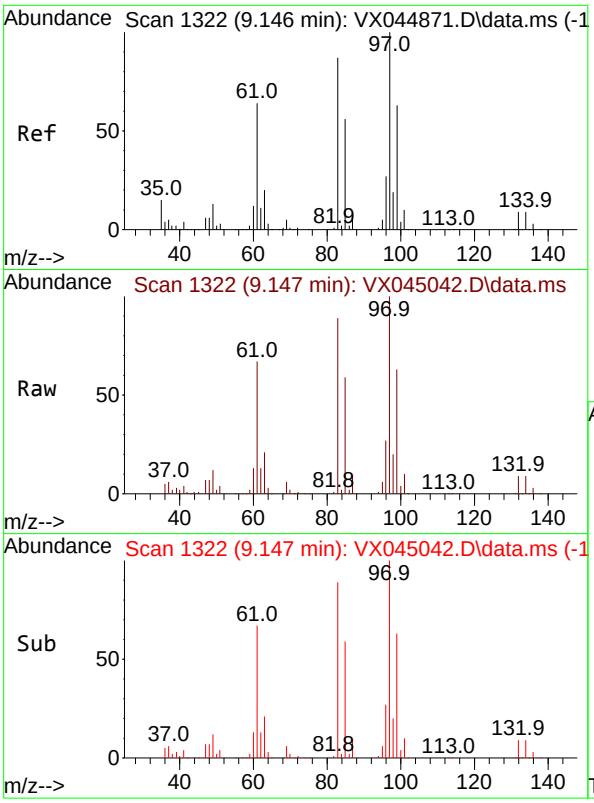


#54
cis-1,3-Dichloropropene
Concen: 50.101 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 100279

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.3	37.9
39	53.1	40.0	60.0

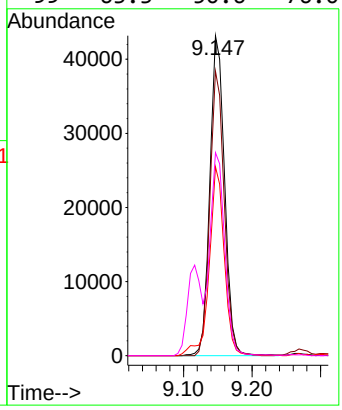




#55
1,1,2-Trichloroethane
Concen: 53.170 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 97 Resp: 6463

Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.8	104.6
85	59.0	44.8	67.2
99	63.3	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
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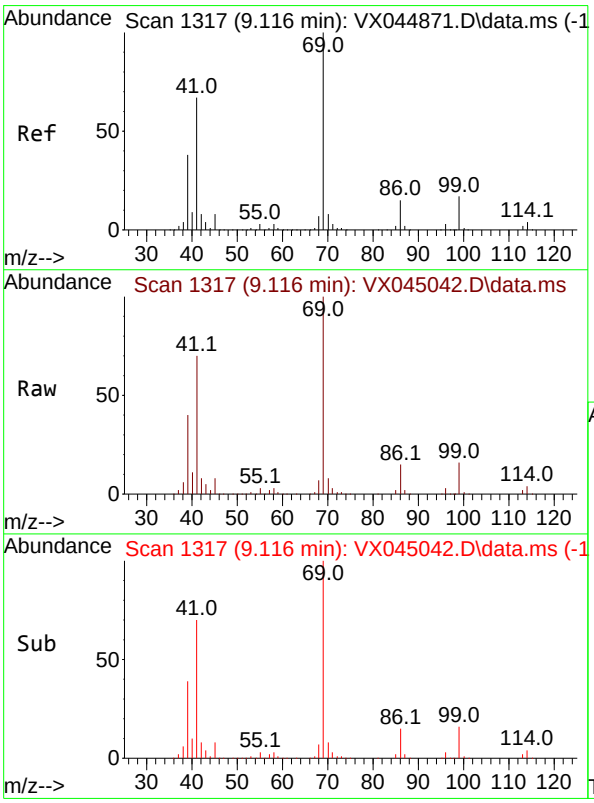
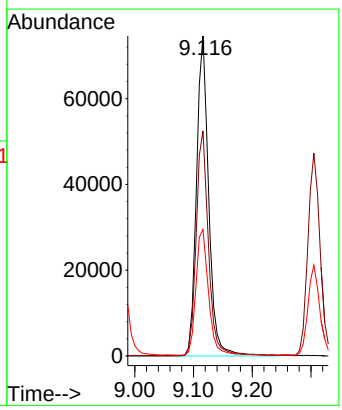
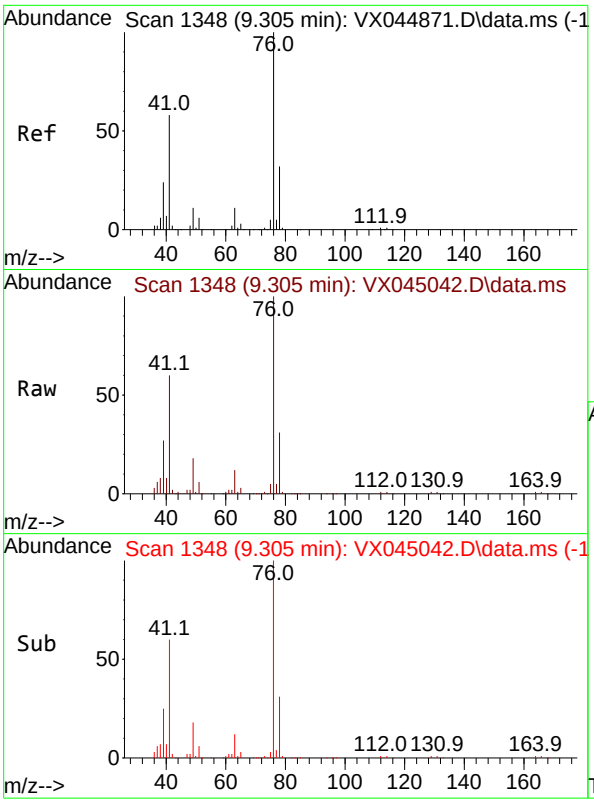


#56
Ethyl methacrylate
Concen: 54.804 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 69 Resp: 107605

Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.2	82.8
39	41.0	30.8	46.2

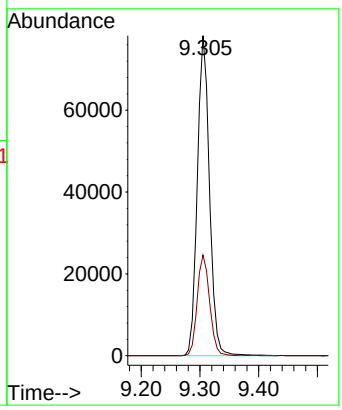




#57
1,3-Dichloropropane
Concen: 52.787 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 76 Resp: 11228

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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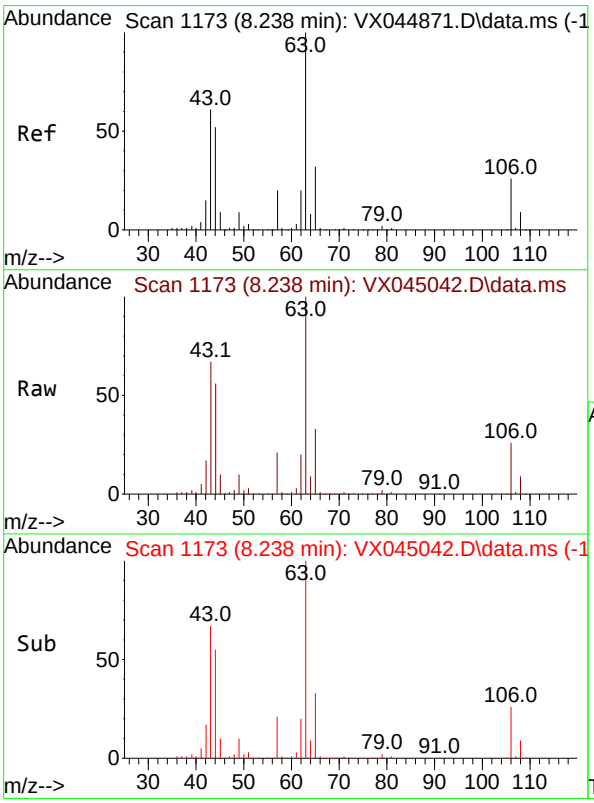
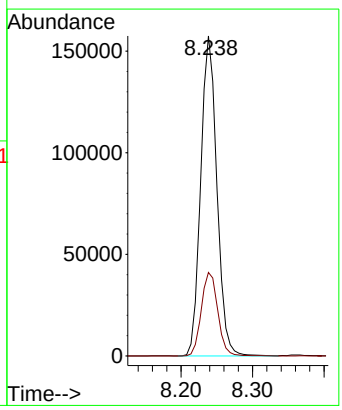
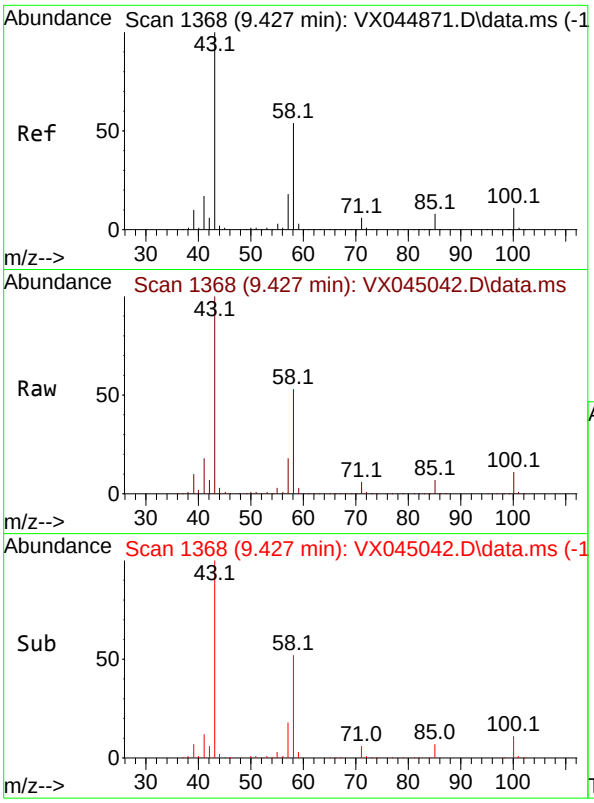


#58
2-Chloroethyl Vinyl ether
Concen: 256.347 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 63 Resp: 247138

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.3	31.9





#59
2-Hexanone
Concen: 323.037 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 43220

Ion	Ratio	Lower	Upper
43	100		
58	52.8	27.5	82.4

Instrument :
MSVOA_X
ClientSampleId :
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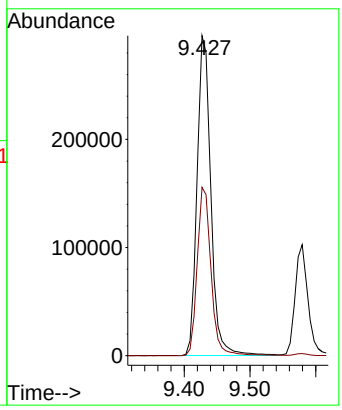
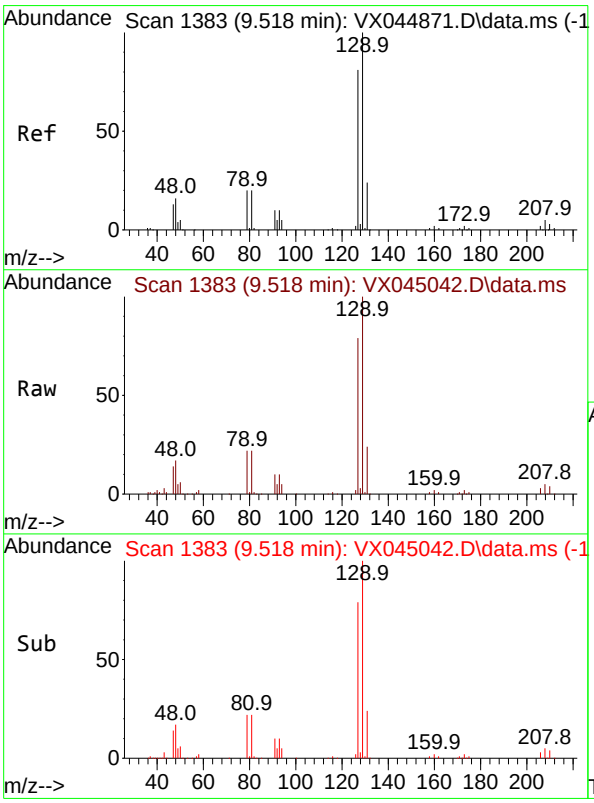
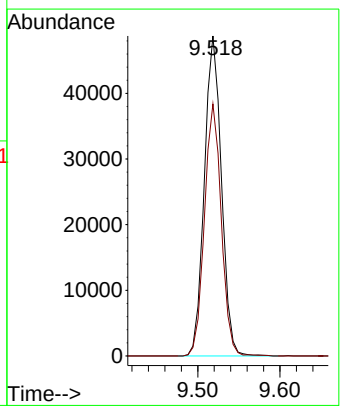


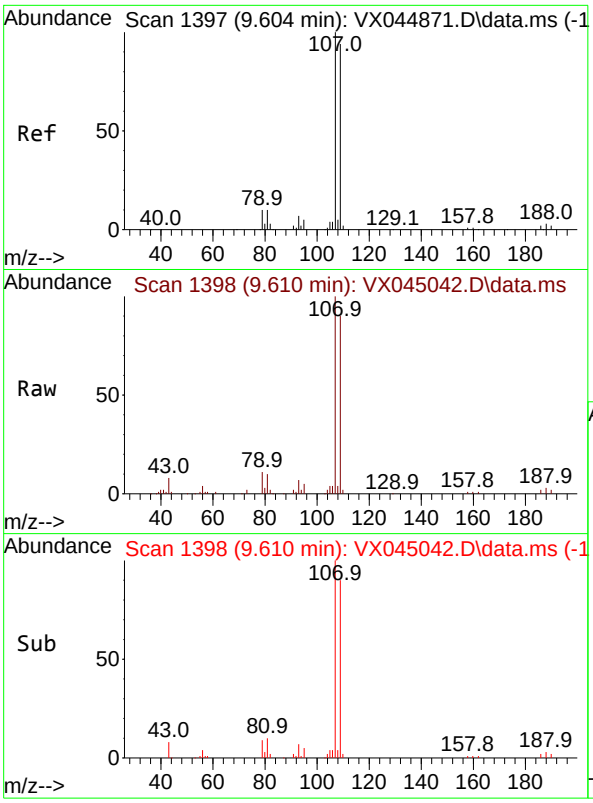


#60
Dibromochloromethane
Concen: 54.145 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:129 Resp: 70395

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.3

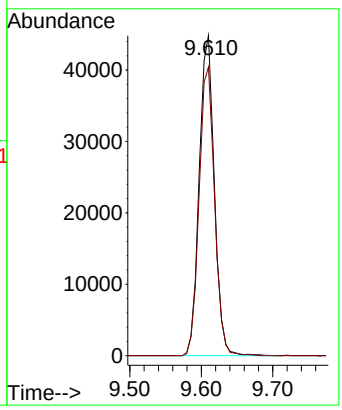




#61
1,2-Dibromoethane
Concen: 53.373 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:107 Resp: 6576

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
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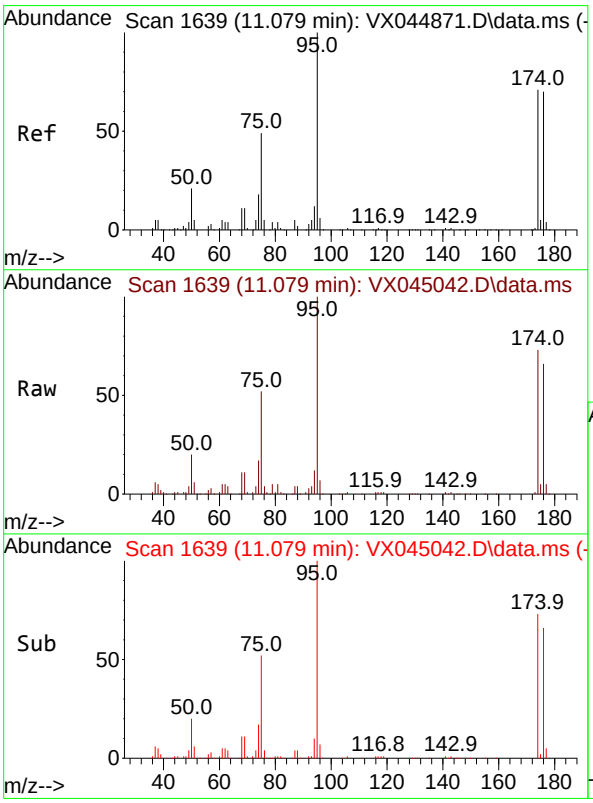
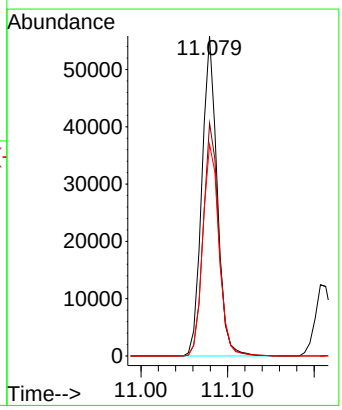
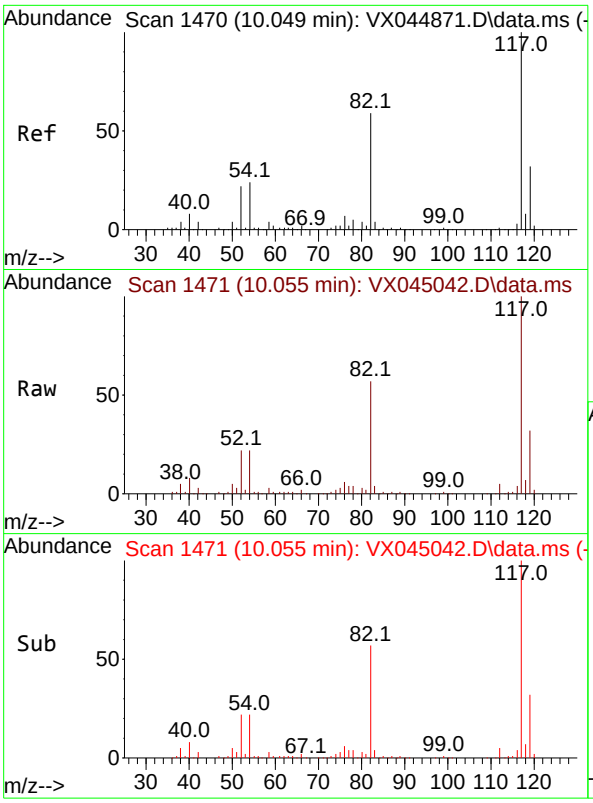


#62
4-Bromofluorobenzene
Concen: 45.505 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 95 Resp: 68375

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	142.6
176	70.4	0.0	141.6

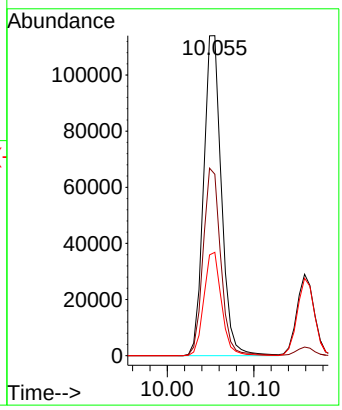




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:117 Resp: 16281

Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.5	71.3
119	32.3	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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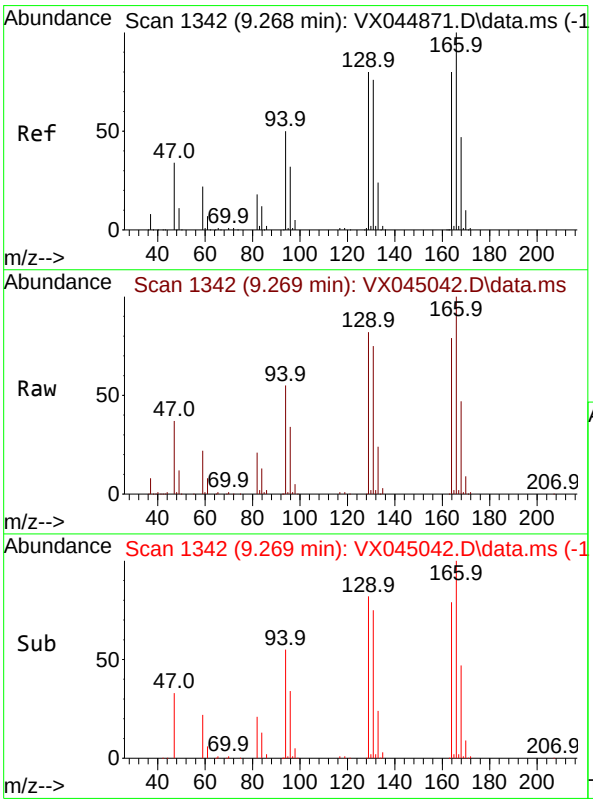
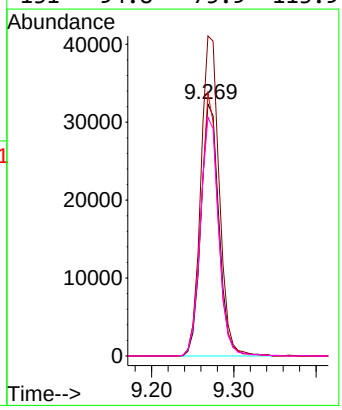
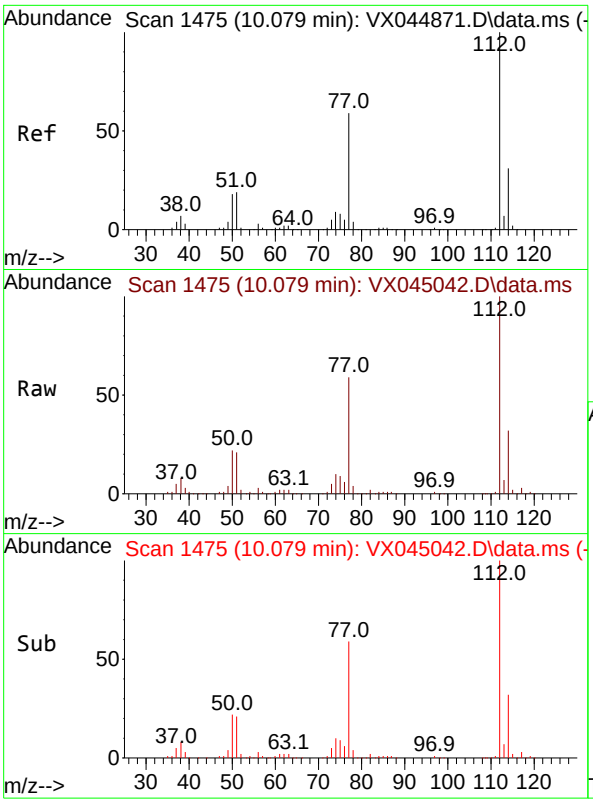


#64
Tetrachloroethene
Concen: 47.807 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:164 Resp: 49089

Ion	Ratio	Lower	Upper
164	100		
166	127.1	100.4	150.6
129	104.1	79.9	119.9
131	94.8	75.9	113.9

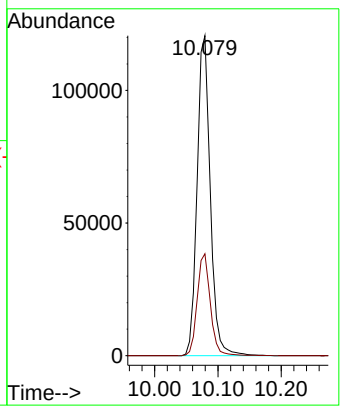




#65
Chlorobenzene
Concen: 50.041 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:112 Resp: 17499

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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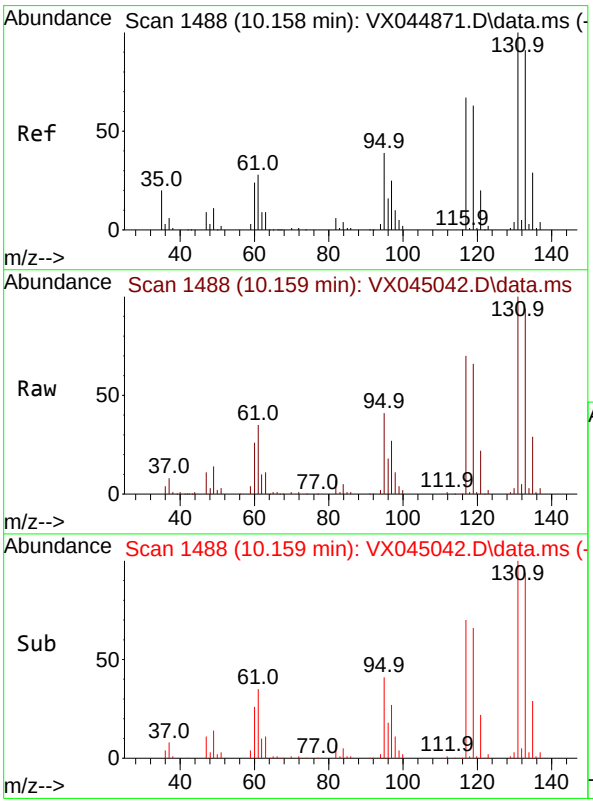
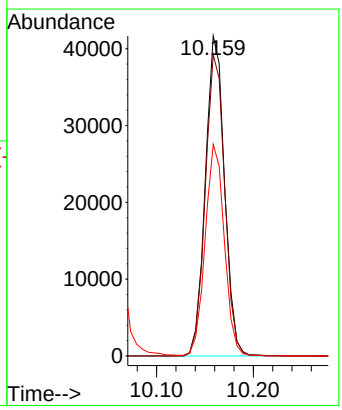
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

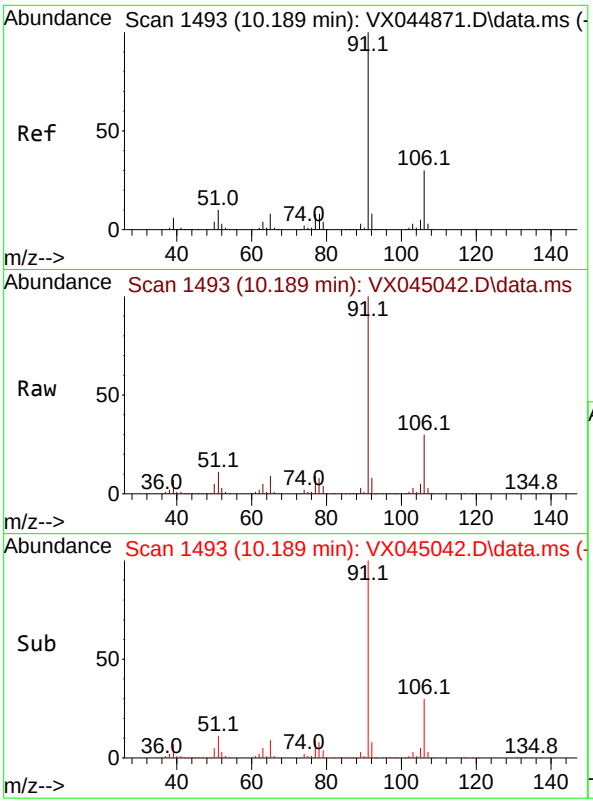


#66
1,1,1,2-Tetrachloroethane
Concen: 51.070 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:131 Resp: 57484

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.1	141.3
119	66.2	33.6	100.6

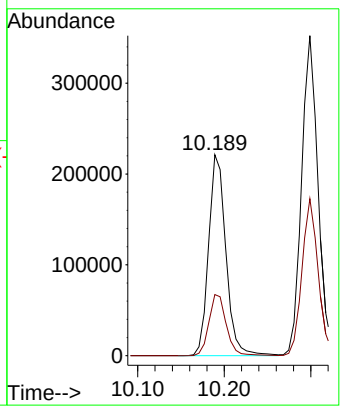




#67
Ethyl Benzene
Concen: 49.830 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 91 Resp: 30751

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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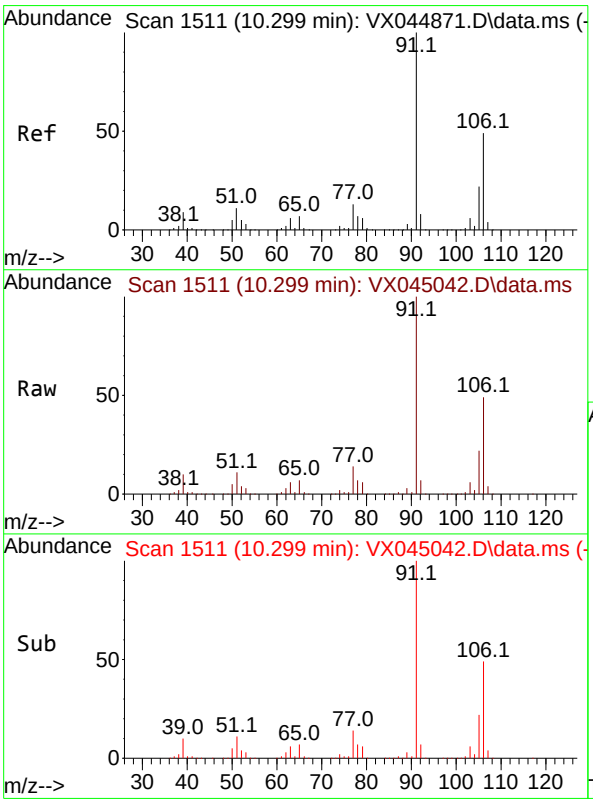
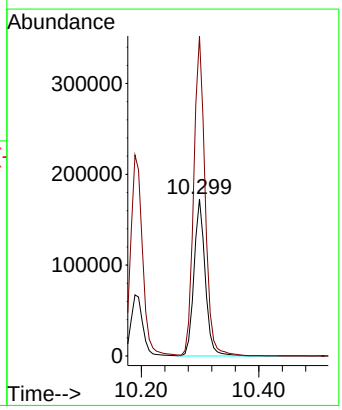
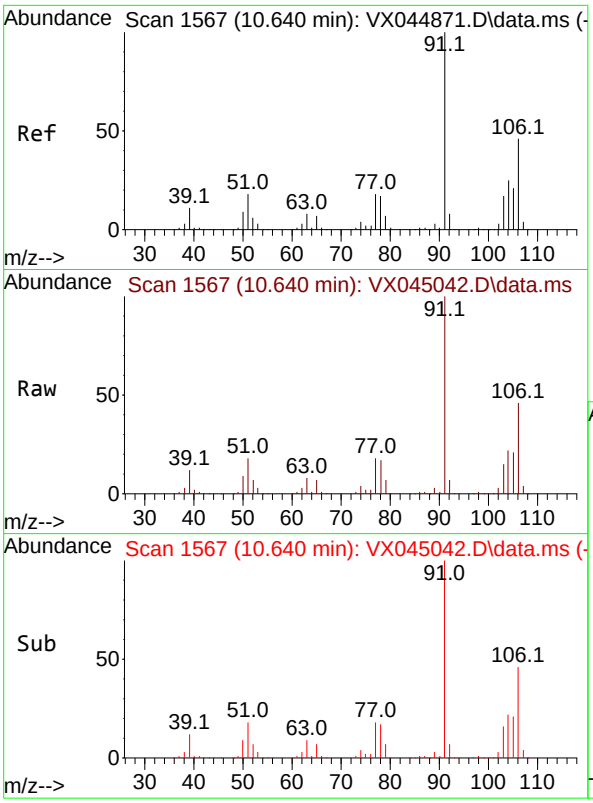


#68
m/p-Xylenes
Concen: 100.639 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:106 Resp: 229102

Ion	Ratio	Lower	Upper
106	100		
91	206.0	164.3	246.5

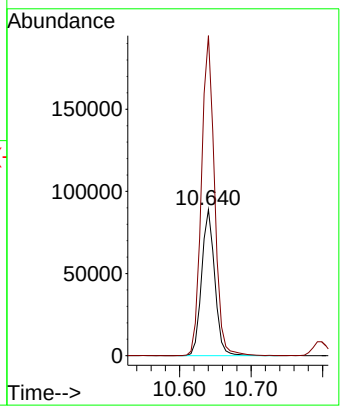




#69
o-Xylene
Concen: 49.701 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:106 Resp: 11353

Ion	Ratio	Lower	Upper
106	100		
91	218.4	108.5	325.5



Instrument :
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ClientSampleId :
VSTDCCC050EC

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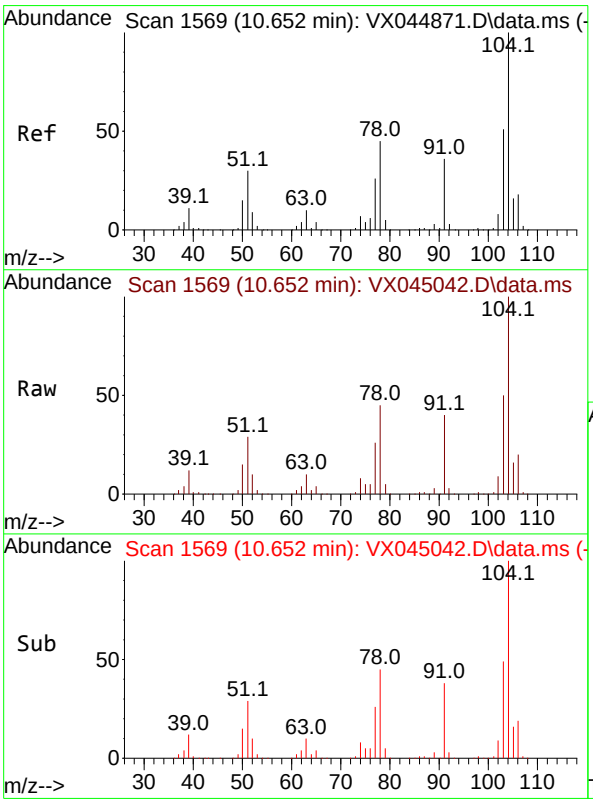
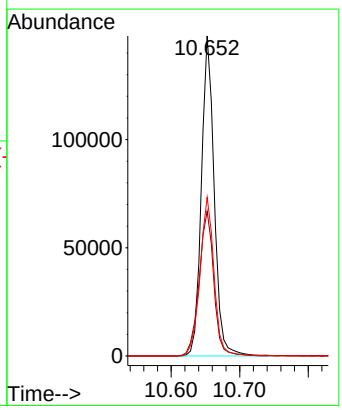
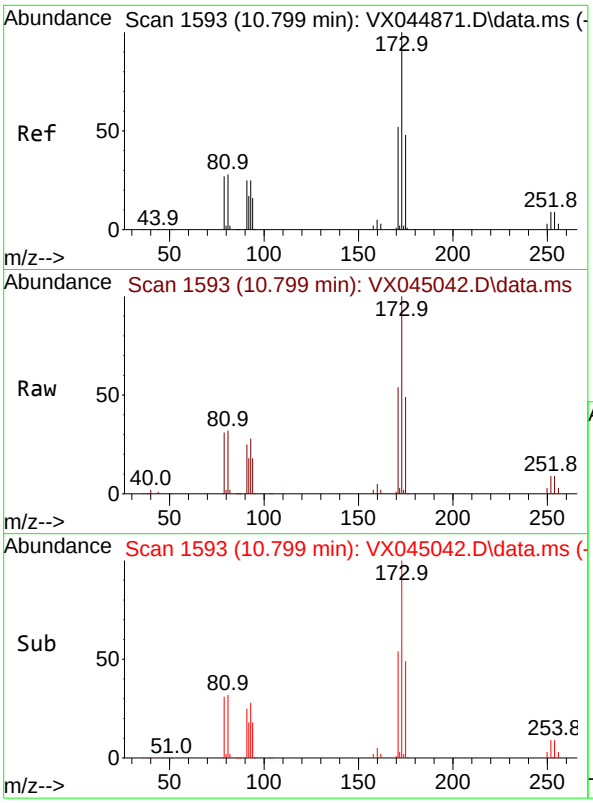


#70
Styrene
Concen: 52.483 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:104 Resp: 193148

Ion	Ratio	Lower	Upper
104	100		
78	51.8	40.5	60.7
103	54.2	43.6	65.4

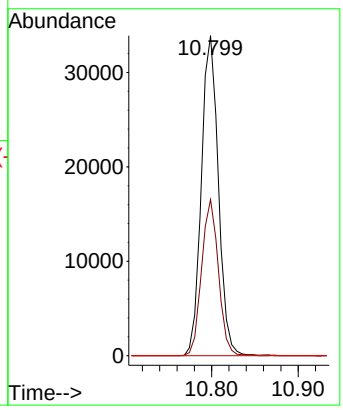




#71
Bromoform
Concen: 54.990 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:173 Resp: 4619

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
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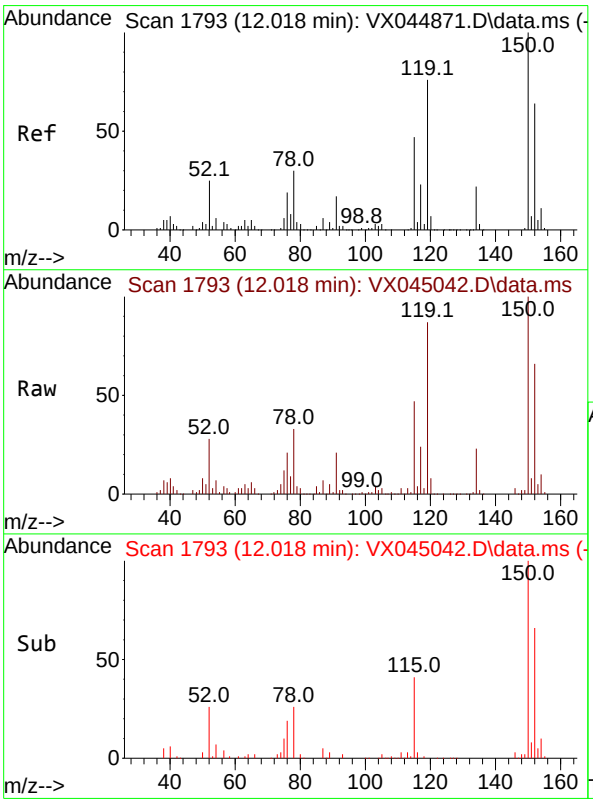
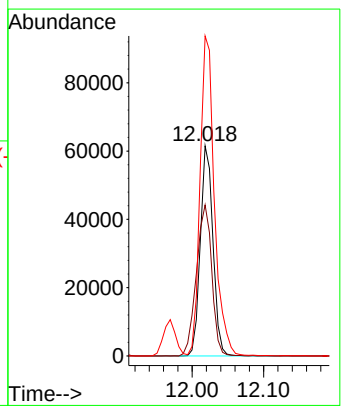
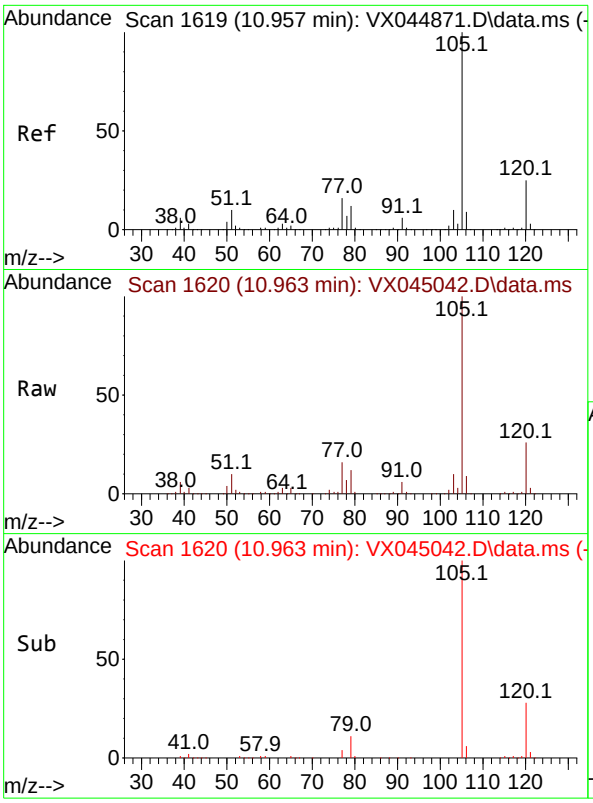


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:152 Resp: 75432

Ion	Ratio	Lower	Upper
152	100		
115	87.7	43.4	130.1
150	172.4	0.0	350.4

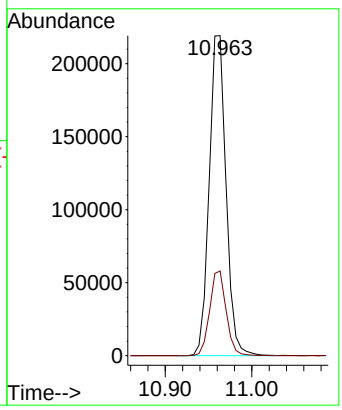




#73
Isopropylbenzene
Concen: 48.748 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:105 Resp: 29607

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5



Instrument :
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ClientSampleId :
VSTDCCC050EC

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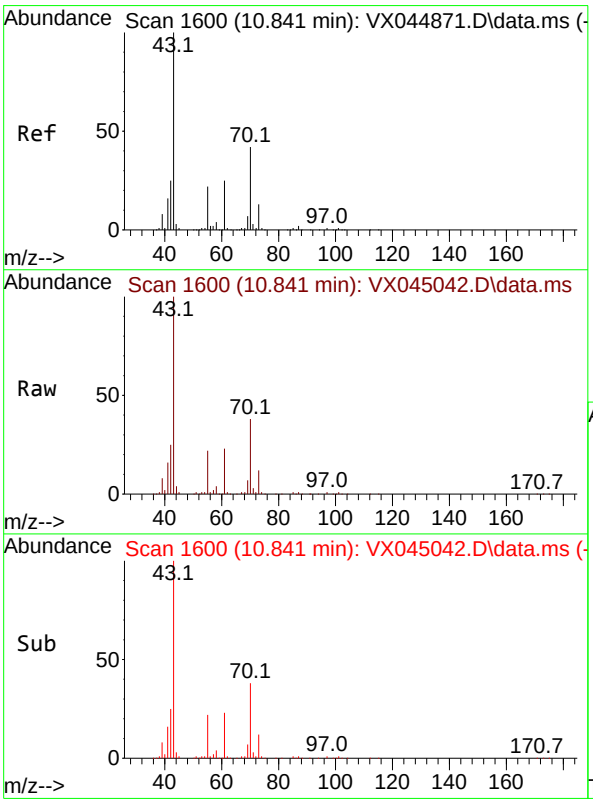
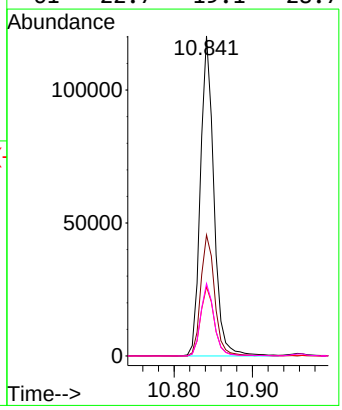
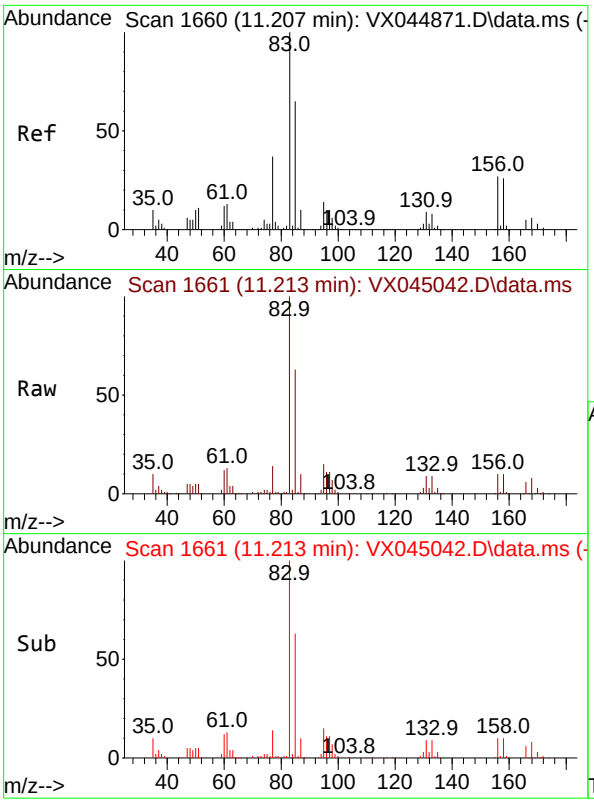


#74
N-amyl acetate
Concen: 52.132 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 143282

Ion	Ratio	Lower	Upper
43	100		
70	39.1	33.7	50.5
55	22.3	18.6	27.8
61	22.7	19.1	28.7

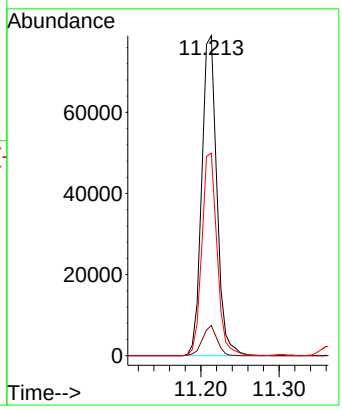




#75
1,1,2,2-Tetrachloroethane
Concen: 50.649 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 83 Resp: 10571

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.5
85	63.8	32.3	96.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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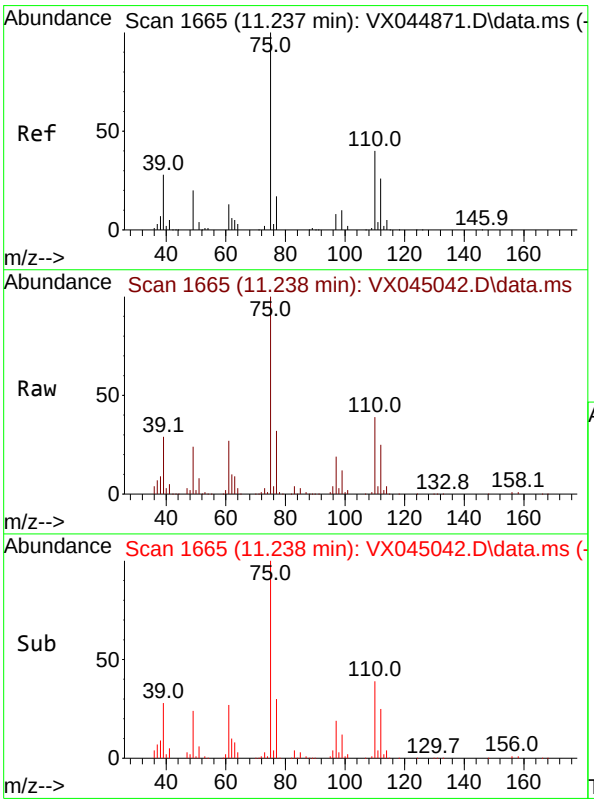
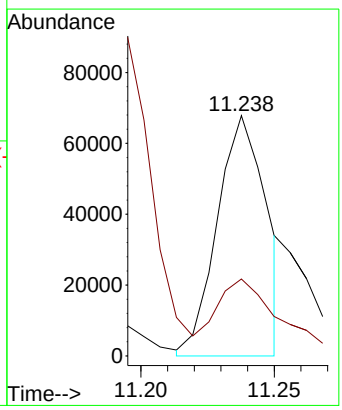
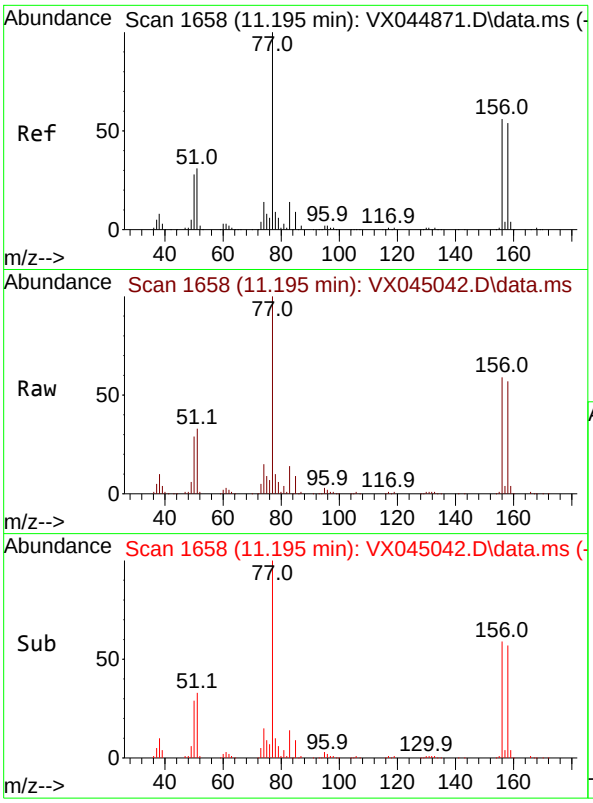


#76
1,2,3-Trichloropropane
Concen: 51.941 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 86868

Ion	Ratio	Lower	Upper
75	100		
77	41.8	21.9	65.7

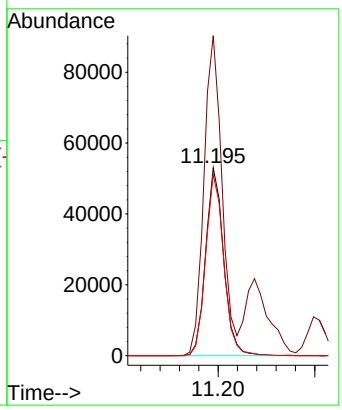




#77
Bromobenzene
Concen: 49.685 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:156 Resp: 6841

Ion	Ratio	Lower	Upper
156	100		
77	171.7	88.4	265.3
158	97.4	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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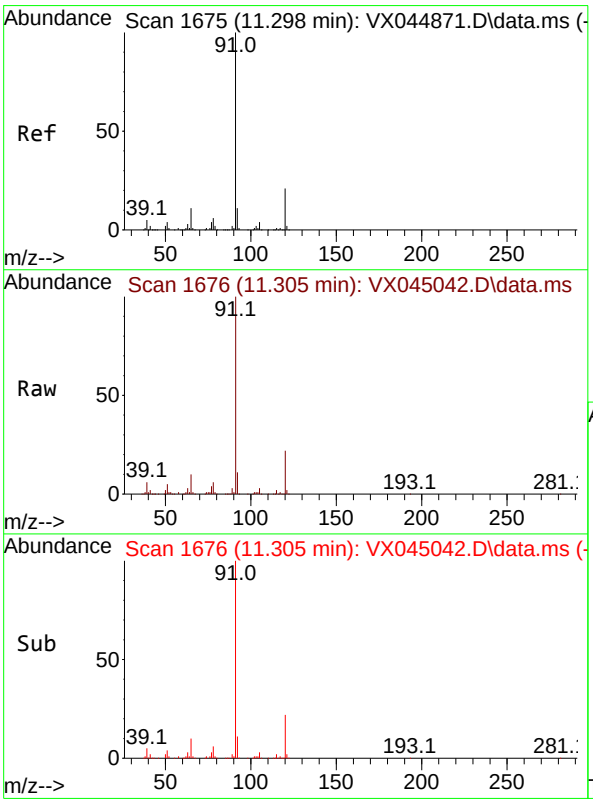
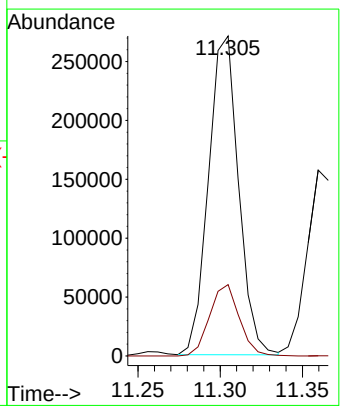
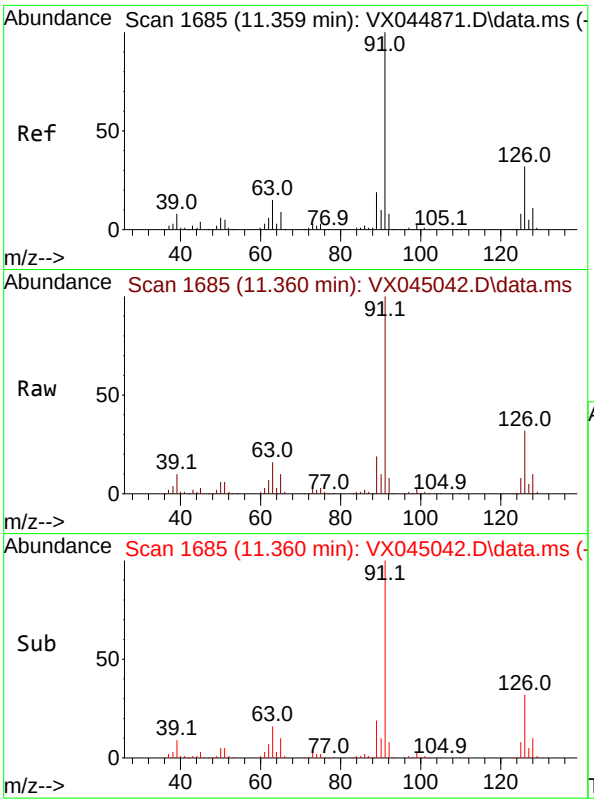


#78
n-propylbenzene
Concen: 49.208 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 91 Resp: 344974

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3





#79
2-Chlorotoluene
Concen: 48.064 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 91 Resp: 20708

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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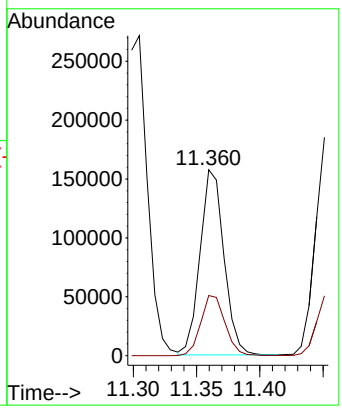
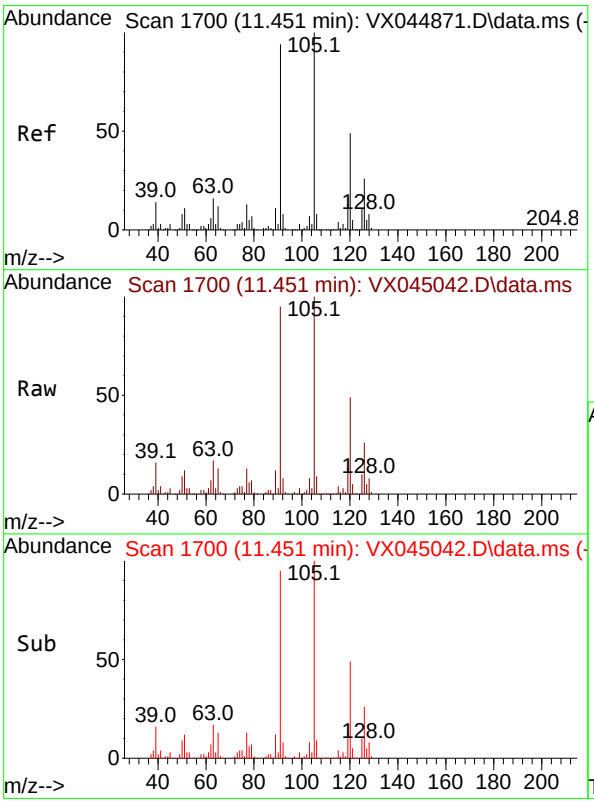
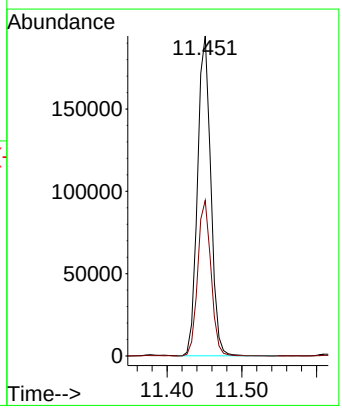


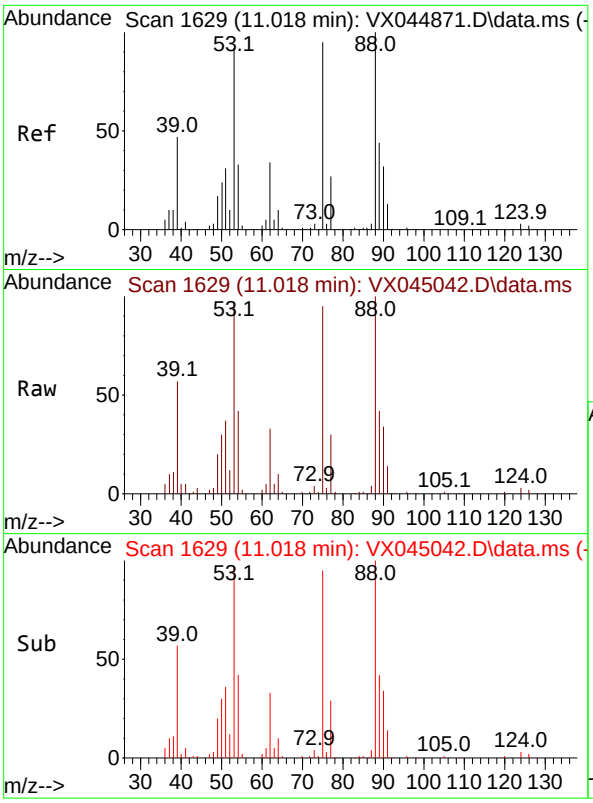


#80
1,3,5-Trimethylbenzene
Concen: 48.584 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:105 Resp: 239463

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 43.508 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 2828

Ion	Ratio	Lower	Upper
75	100		
53	107.6	78.0	117.0
89	43.8	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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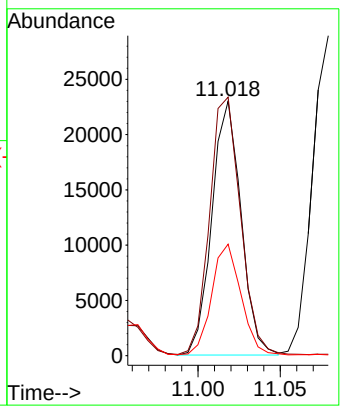
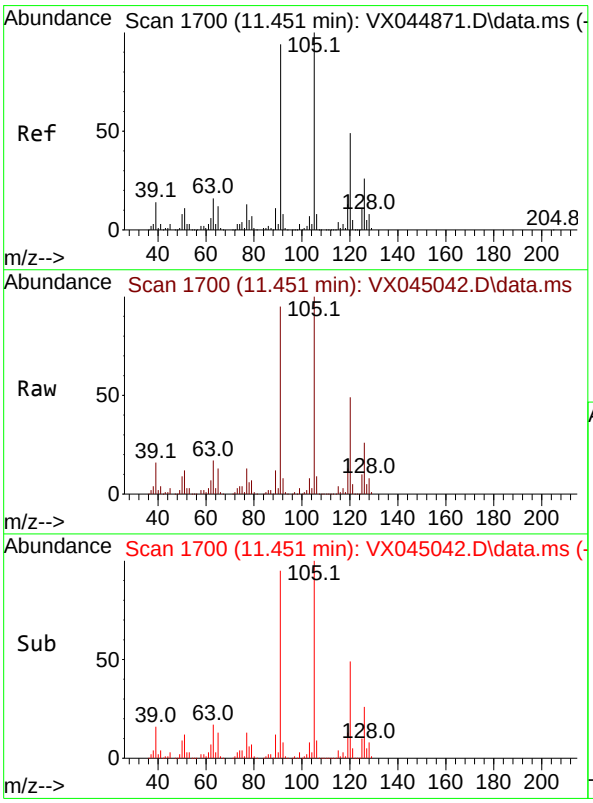
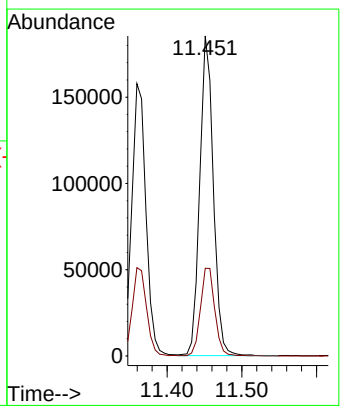


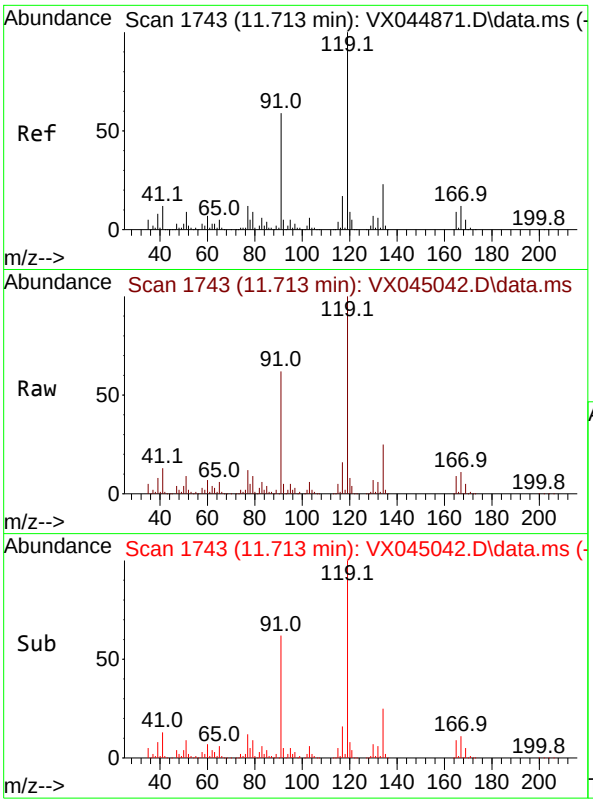


#82
4-Chlorotoluene
Concen: 48.941 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 91 Resp: 233290

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.2	42.6

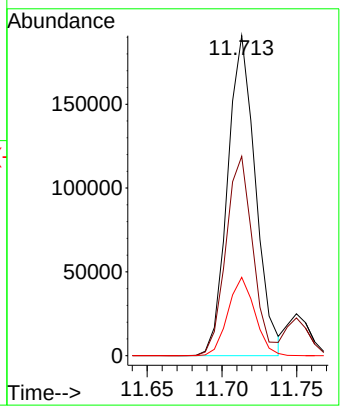




#83
tert-Butylbenzene
Concen: 49.578 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:119 Resp: 24720

Ion	Ratio	Lower	Upper
119	100		
91	61.0	29.1	87.4
134	23.6	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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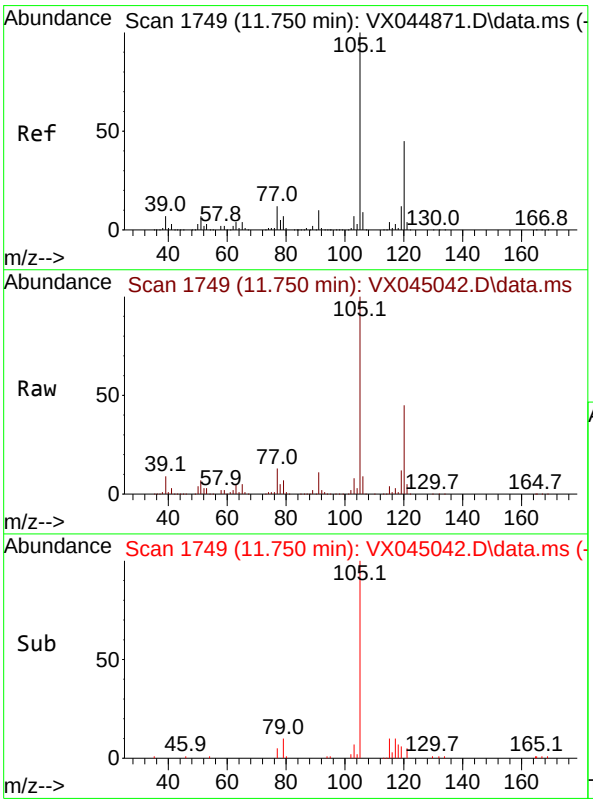
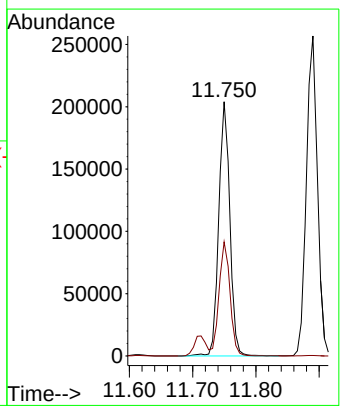
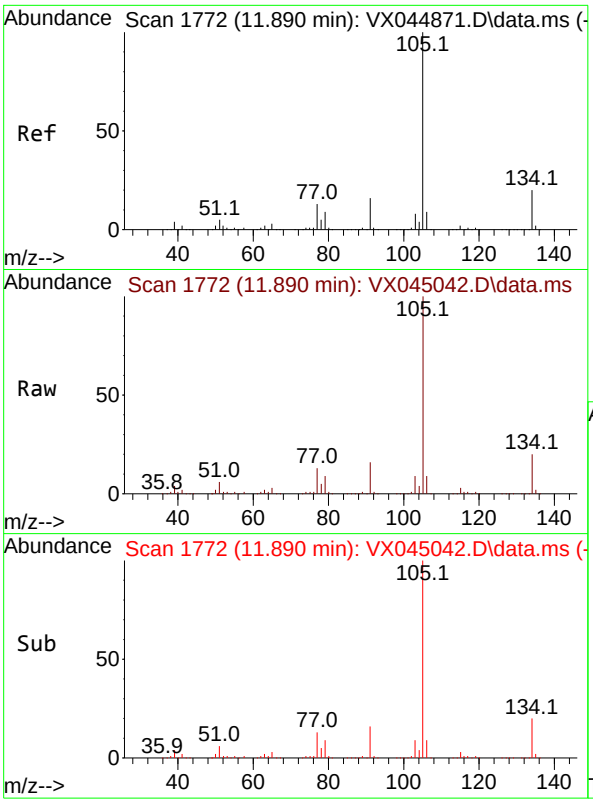


#84
1,2,4-Trimethylbenzene
Concen: 50.676 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:105 Resp: 246524

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0

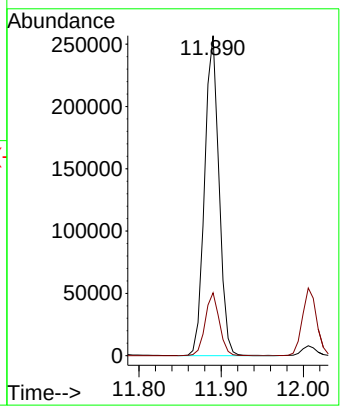




#85
sec-Butylbenzene
Concen: 50.503 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:105 Resp: 31182

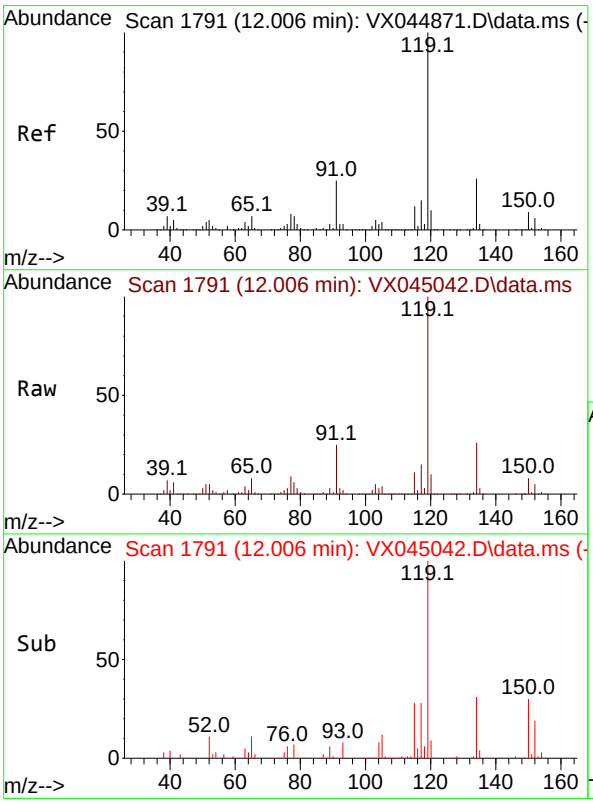
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

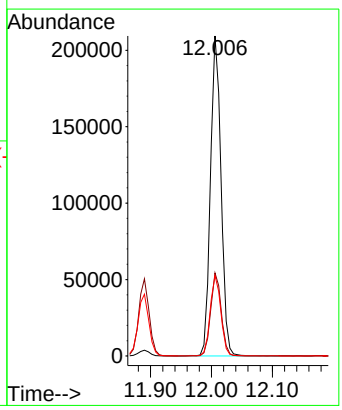
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

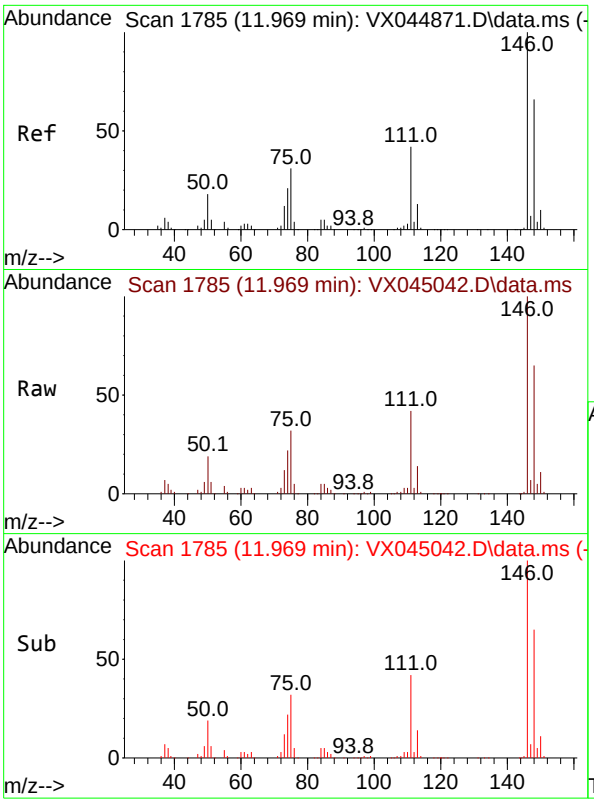


#86
p-Isopropyltoluene
Concen: 50.912 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:119 Resp: 252793

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	25.3	12.1	36.3

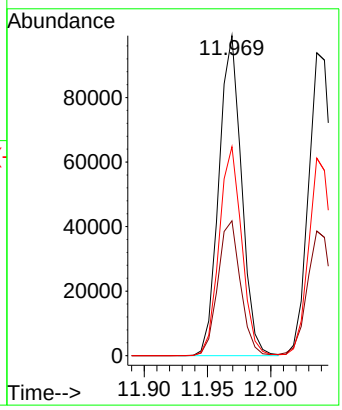




#87
1,3-Dichlorobenzene
Concen: 48.698 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:146 Resp: 12331

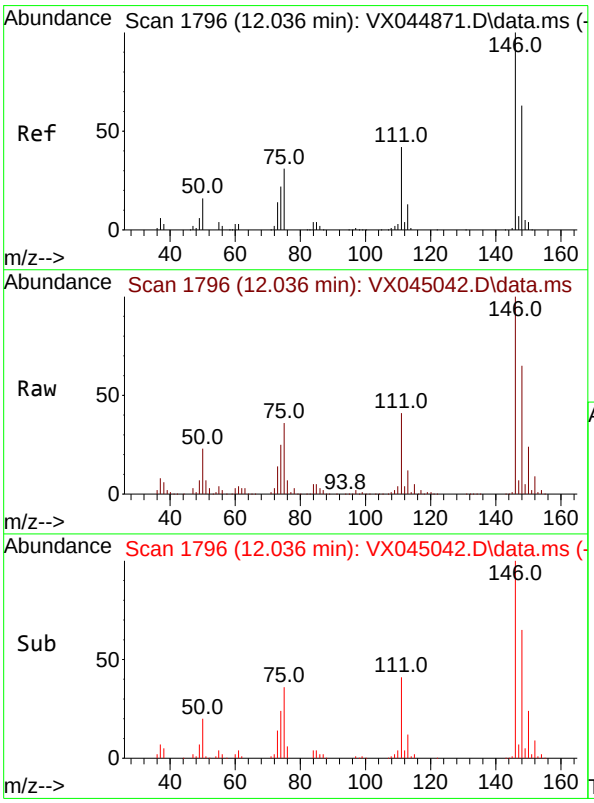
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	65.2	32.5	97.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

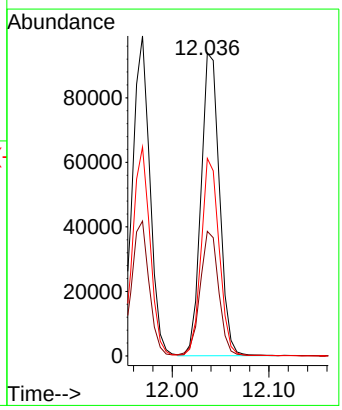
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

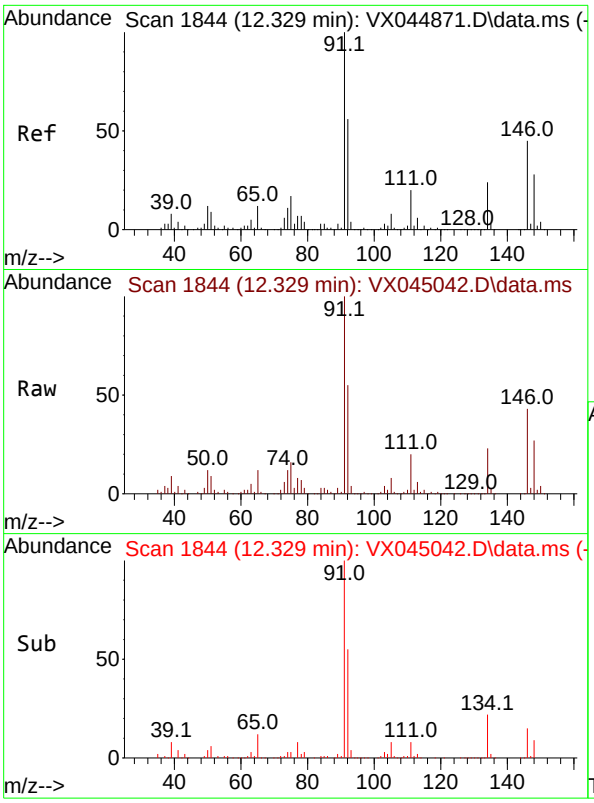


#88
1,4-Dichlorobenzene
Concen: 48.630 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:146 Resp: 124506

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	64.1	32.0	96.0

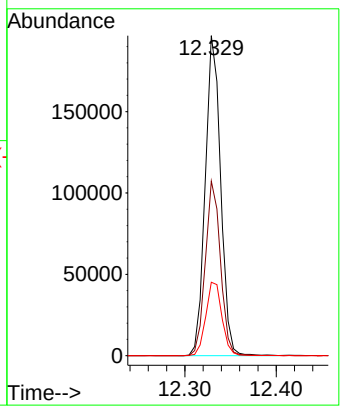




#89
n-Butylbenzene
Concen: 52.268 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 91 Resp: 22960

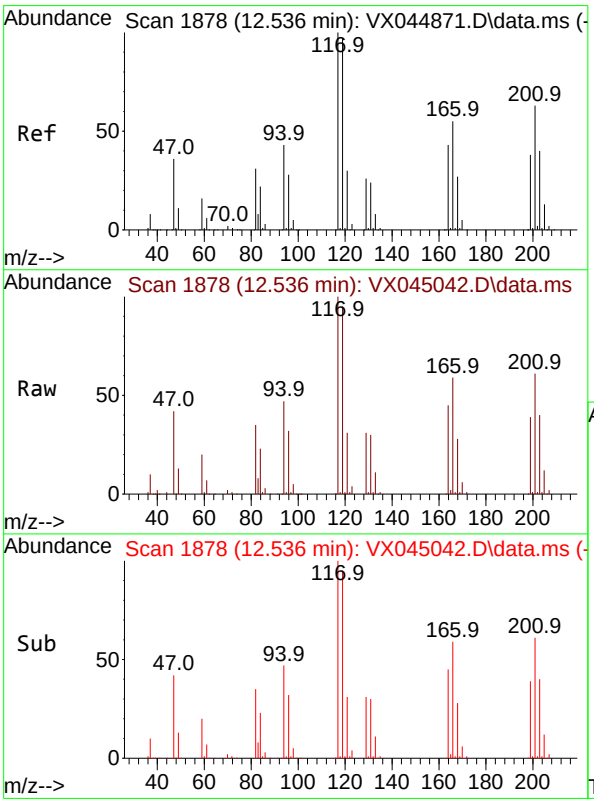
Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	24.1	12.1	36.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

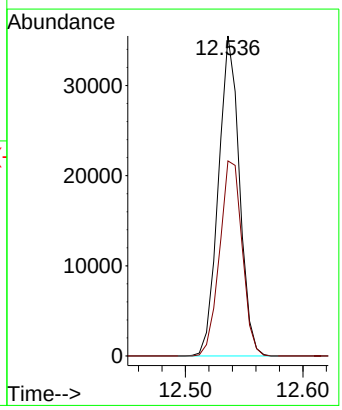
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

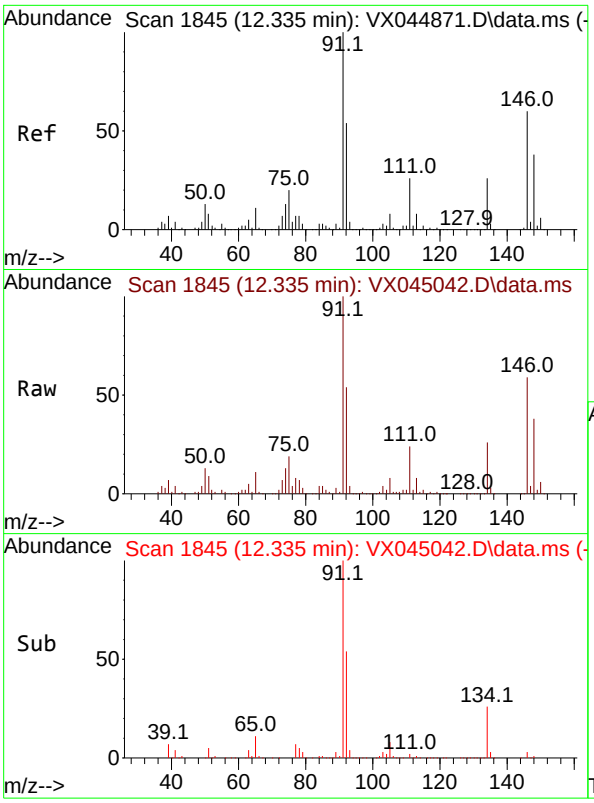


#90
Hexachloroethane
Concen: 47.456 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:117 Resp: 44121

Ion	Ratio	Lower	Upper
117	100		
201	65.3	32.5	97.5

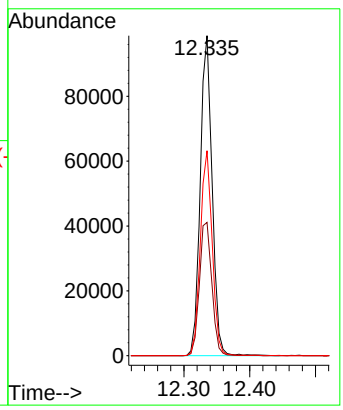




#91
1,2-Dichlorobenzene
Concen: 49.733 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:146 Resp: 12377

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	64.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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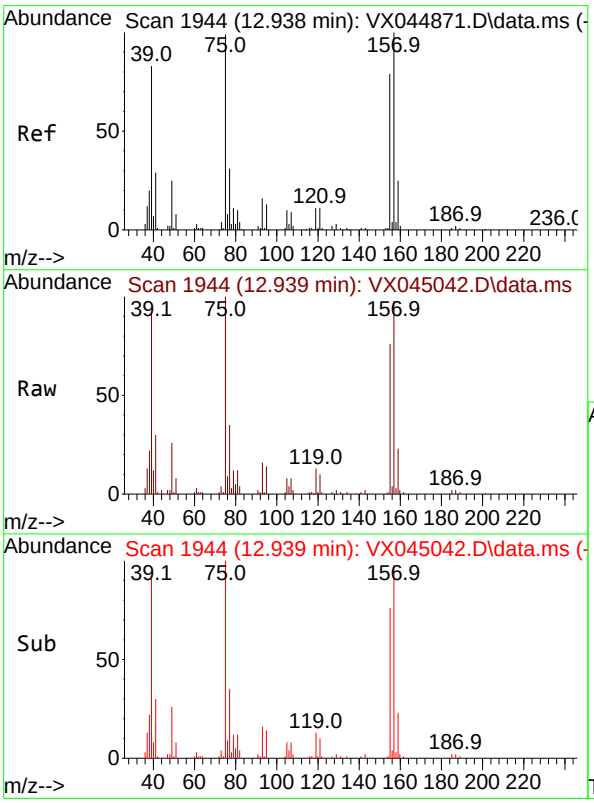
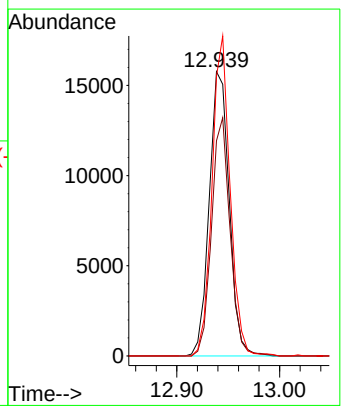
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

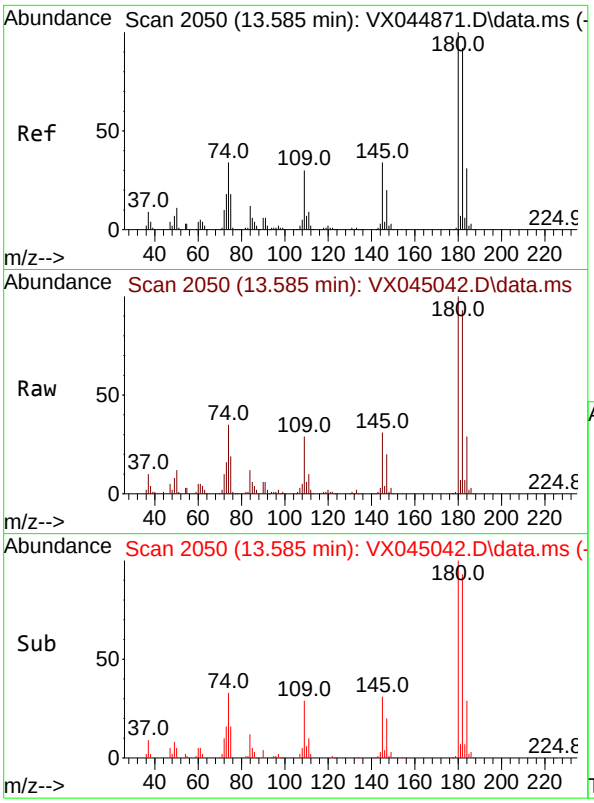


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.778 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 21247

Ion	Ratio	Lower	Upper
75	100		
155	77.8	40.5	121.4
157	102.0	51.4	154.3

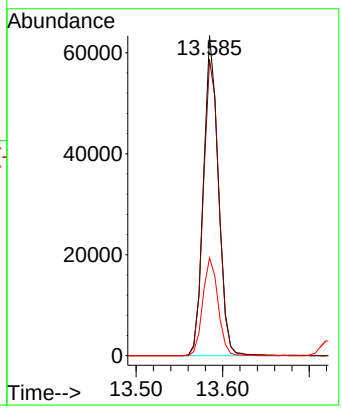




#93
1,2,4-Trichlorobenzene
Concen: 50.067 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:180 Resp: 7539

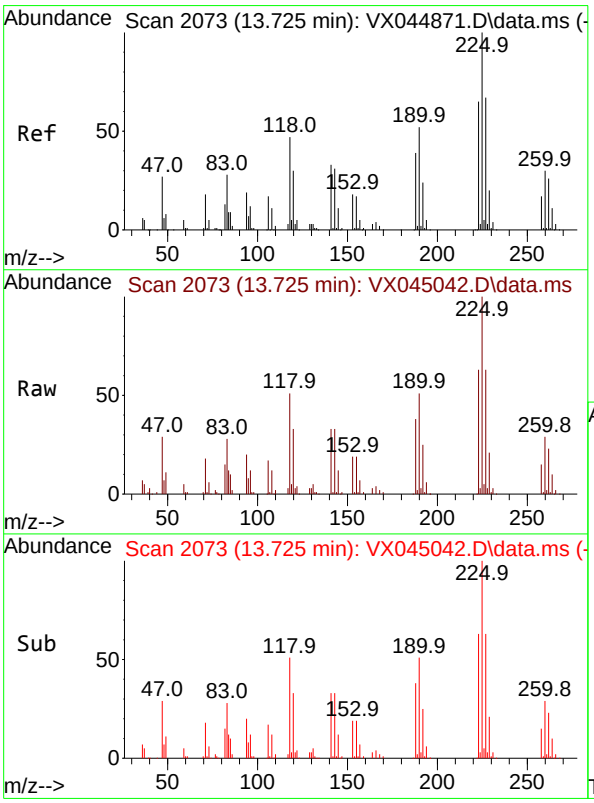
Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.6	142.8
145	31.3	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

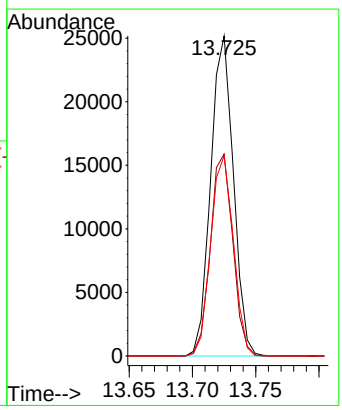
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

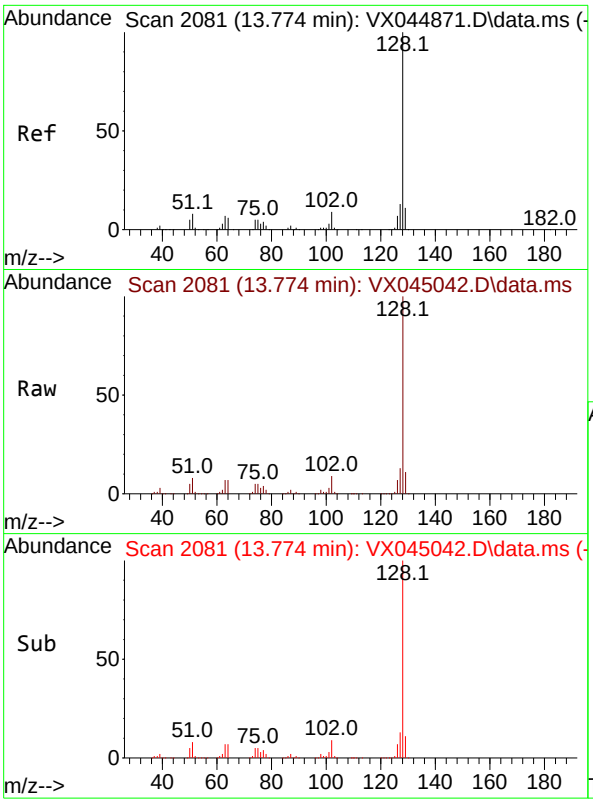


#94
Hexachlorobutadiene
Concen: 52.565 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:225 Resp: 31425

Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.4	94.2
227	62.4	32.3	96.8

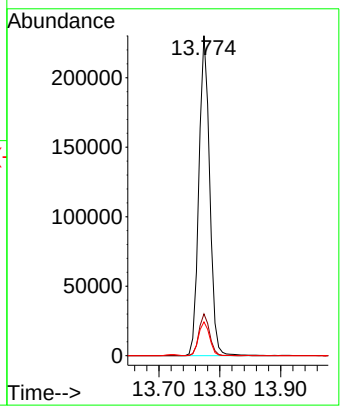




#95
Naphthalene
Concen: 51.898 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:128 Resp: 28251

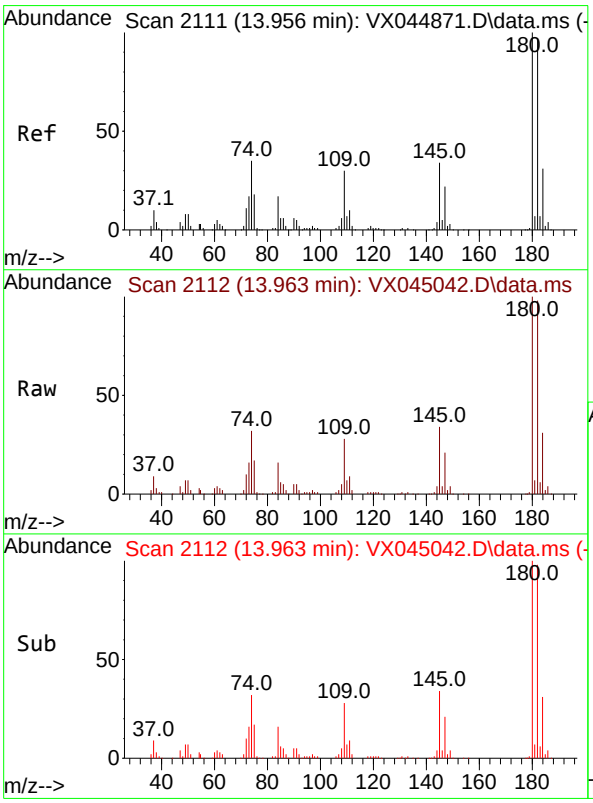
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.8	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

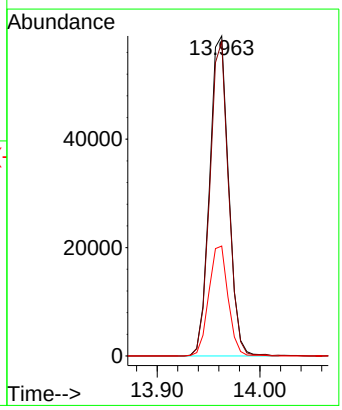
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.145 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:180 Resp: 76093

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	34.9	17.1	51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	79	0.00
2	T	Dichlorodifluoromethane	0.701	0.662	5.6	75	0.00
3	P	Chloromethane	0.854	0.726	15.0	68	0.00
4	C	Vinyl Chloride	0.827	0.730	11.7#	72	0.00
5	T	Bromomethane	0.247	0.257	-4.0	82	0.00
6	T	Chloroethane	0.307	0.394	-28.3#	92	0.00
7	T	Trichlorofluoromethane	1.046	1.033	1.2	80	0.00
8	T	Diethyl Ether	0.379	0.375	1.1	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.618	2.2	78	0.00
10	T	Methyl Iodide	0.819	0.667	18.6	62	0.00
11	T	Tert butyl alcohol	0.136	0.153	-12.5	89	0.00
12	CM	1,1-Dichloroethene	0.644	0.588	8.7#	74	0.00
13	T	Acrolein	0.140	0.143	-2.1	80	0.00
14	T	Allyl chloride	1.165	1.116	4.2	77	0.00
15	T	Acrylonitrile	0.363	0.414	-14.0	87	0.00
16	T	Acetone	0.294	0.351	-19.4	95	0.00
17	T	Carbon Disulfide	1.767	1.404	20.5	63	0.00
18	T	Methyl Acetate	0.928	1.165	-25.5#	98	0.00
19	T	Methyl tert-butyl Ether	2.050	1.999	2.5	78	0.00
20	T	Methylene Chloride	0.721	0.693	3.9	78	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.586	7.6	73	0.00
22	T	Diisopropyl ether	2.203	2.240	-1.7	79	0.00
23	T	Vinyl Acetate	1.796	1.820	-1.3	78	0.00
24	P	1,1-Dichloroethane	1.233	1.217	1.3	79	0.00
25	T	2-Butanone	0.478	0.582	-21.8	91	0.00
26	T	2,2-Dichloropropane	0.978	0.826	15.5	69	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.735	3.5	77	0.00
28	T	Bromochloromethane	0.593	0.549	7.4	75	0.00
29	T	Tetrahydrofuran	0.317	0.374	-18.0	90	0.00
30	C	Chloroform	1.196	1.210	-1.2#	82	0.00
31	T	Cyclohexane	1.137	1.033	9.1	73	0.00
32	T	1,1,1-Trichloroethane	1.014	0.999	1.5	79	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.643	12.2	70	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.00
35	S	Dibromofluoromethane	0.325	0.287	11.7	69	0.00
36	T	1,1-Dichloropropene	0.469	0.447	4.7	75	0.00
37	T	Ethyl Acetate	0.522	0.595	-14.0	88	0.00
38	T	Carbon Tetrachloride	0.460	0.456	0.9	78	0.00
39	T	Methylcyclohexane	0.606	0.586	3.3	73	0.00
40	TM	Benzene	1.465	1.440	1.7	76	0.00
41	T	Methacrylonitrile	0.279	0.338	-21.1	87	0.00
42	TM	1,2-Dichloroethane	0.467	0.512	-9.6	84	0.00
43	T	Isopropyl Acetate	0.842	0.921	-9.4	82	0.00
44	TM	Trichloroethene	0.335	0.332	0.9	77	0.00
45	C	1,2-Dichloropropane	0.364	0.369	-1.4#	78	0.00
46	T	Dibromomethane	0.253	0.265	-4.7	81	0.00
47	T	Bromodichloromethane	0.489	0.527	-7.8	82	0.00
48	T	Methyl methacrylate	0.397	0.465	-17.1	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.011	-22.2	91	0.00
50	S	Toluene-d8	1.229	1.046	14.9	65	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.643	-25.6#	90	0.00
52	CM	Toluene	0.872	0.881	-1.0#	76	0.00
53	T	t-1,3-Dichloropropene	0.495	0.493	0.4	74	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.553	-0.2	74	0.00
55	T	1,1,2-Trichloroethane	0.335	0.357	-6.6	81	0.00
56	T	Ethyl methacrylate	0.542	0.594	-9.6	80	0.00
57	T	1,3-Dichloropropane	0.587	0.619	-5.5	79	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.273	-2.6	73	0.00
59	T	2-Hexanone	0.369	0.477	-29.3#	92	0.00
60	T	Dibromochloromethane	0.359	0.388	-8.1	81	0.00
61	T	1,2-Dibromoethane	0.340	0.363	-6.8	80	0.00
62	S	4-Bromofluorobenzene	0.414	0.377	8.9	68	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
64	T	Tetrachloroethene	0.315	0.301	4.4	77	0.00
65	PM	Chlorobenzene	1.074	1.075	-0.1	78	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.353	-2.0	79	0.00
67	C	Ethyl Benzene	1.895	1.889	0.3#	78	0.00
68	T	m/p-Xylenes	0.699	0.704	-0.7	77	0.00
69	T	o-Xylene	0.701	0.697	0.6	78	0.00
70	T	Styrene	1.130	1.186	-5.0	79	0.00
71	P	Bromoform	0.258	0.284	-10.1	80	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
73	T	Isopropylbenzene	4.026	3.925	2.5	79	0.00
74	T	N-amyl acetate	1.822	1.899	-4.2	81	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.401	-1.3	84	0.00
76	T	1,2,3-Trichloropropane	1.109	1.152	-3.9	85	0.00
77	T	Bromobenzene	0.913	0.907	0.7	81	0.00
78	T	n-propylbenzene	4.647	4.573	1.6	79	0.00
79	T	2-Chlorotoluene	2.856	2.745	3.9	79	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.175	2.8	78	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.375	13.0	70	0.00
82	T	4-Chlorotoluene	3.160	3.093	2.1	79	0.00
83	T	tert-Butylbenzene	3.305	3.277	0.8	81	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.268	-1.3	79	0.00
85	T	sec-Butylbenzene	4.093	4.134	-1.0	81	0.00
86	T	p-Isopropyltoluene	3.291	3.351	-1.8	80	0.00
87	T	1,3-Dichlorobenzene	1.678	1.635	2.6	79	0.00
88	T	1,4-Dichlorobenzene	1.697	1.651	2.7	80	0.00
89	T	n-Butylbenzene	2.912	3.044	-4.5	80	0.00
90	T	Hexachloroethane	0.616	0.585	5.0	77	0.00
91	T	1,2-Dichlorobenzene	1.650	1.641	0.5	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.282	-11.9	89	0.00
93	T	1,2,4-Trichlorobenzene	0.998	1.000	-0.2	80	0.00
94	T	Hexachlorobutadiene	0.396	0.417	-5.3	89	0.00
95	T	Naphthalene	3.608	3.745	-3.8	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.009	-0.3	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	79	0.00
2	T	Dichlorodifluoromethane	50.000	47.191	5.6	75	0.00
3	P	Chloromethane	50.000	42.510	15.0	68	0.00
4	C	Vinyl Chloride	50.000	44.148	11.7#	72	0.00
5	T	Bromomethane	50.000	51.910	-3.8	82	0.00
6	T	Chloroethane	50.000	65.667	-31.3#	92	0.00
7	T	Trichlorofluoromethane	50.000	49.402	1.2	80	0.00
8	T	Diethyl Ether	50.000	49.451	1.1	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.918	2.2	78	0.00
10	T	Methyl Iodide	50.000	40.700	18.6	62	0.00
11	T	Tert butyl alcohol	250.000	281.037	-12.4	89	0.00
12	CM	1,1-Dichloroethene	50.000	45.588	8.8#	74	0.00
13	T	Acrolein	250.000	255.616	-2.2	80	0.00
14	T	Allyl chloride	50.000	47.898	4.2	77	0.00
15	T	Acrylonitrile	250.000	285.568	-14.2	87	0.00
16	T	Acetone	250.000	298.382	-19.4	95	0.00
17	T	Carbon Disulfide	50.000	39.728	20.5	63	0.00
18	T	Methyl Acetate	50.000	62.739	-25.5#	98	0.00
19	T	Methyl tert-butyl Ether	50.000	48.753	2.5	78	0.00
20	T	Methylene Chloride	50.000	48.077	3.8	78	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.216	7.6	73	0.00
22	T	Diisopropyl ether	50.000	50.838	-1.7	79	0.00
23	T	Vinyl Acetate	250.000	253.291	-1.3	78	0.00
24	P	1,1-Dichloroethane	50.000	49.371	1.3	79	0.00
25	T	2-Butanone	250.000	304.657	-21.9	91	0.00
26	T	2,2-Dichloropropane	50.000	42.253	15.5	69	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.253	3.5	77	0.00
28	T	Bromochloromethane	50.000	46.355	7.3	75	0.00
29	T	Tetrahydrofuran	250.000	294.997	-18.0	90	0.00
30	C	Chloroform	50.000	50.613	-1.2#	82	0.00
31	T	Cyclohexane	50.000	45.441	9.1	73	0.00
32	T	1,1,1-Trichloroethane	50.000	49.259	1.5	79	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.914	12.2	70	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	78	0.00
35	S	Dibromofluoromethane	50.000	44.160	11.7	69	0.00
36	T	1,1-Dichloropropene	50.000	47.660	4.7	75	0.00
37	T	Ethyl Acetate	50.000	57.029	-14.1	88	0.00
38	T	Carbon Tetrachloride	50.000	49.565	0.9	78	0.00
39	T	Methylcyclohexane	50.000	48.316	3.4	73	0.00
40	TM	Benzene	50.000	49.173	1.7	76	0.00
41	T	Methacrylonitrile	50.000	60.575	-21.2	87	0.00
42	TM	1,2-Dichloroethane	50.000	54.837	-9.7	84	0.00
43	T	Isopropyl Acetate	50.000	54.640	-9.3	82	0.00
44	TM	Trichloroethene	50.000	49.623	0.8	77	0.00
45	C	1,2-Dichloropropane	50.000	50.580	-1.2#	78	0.00
46	T	Dibromomethane	50.000	52.418	-4.8	81	0.00
47	T	Bromodichloromethane	50.000	53.860	-7.7	82	0.00
48	T	Methyl methacrylate	50.000	58.478	-17.0	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1235.809	-23.6	91	0.00
50	S	Toluene-d8	50.000	42.538	14.9	65	0.00
51	T	4-Methyl-2-Pentanone	250.000	314.005	-25.6#	90	0.00
52	CM	Toluene	50.000	50.528	-1.1#	76	0.00
53	T	t-1,3-Dichloropropene	50.000	49.754	0.5	74	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.101	-0.2	74	0.00
55	T	1,1,2-Trichloroethane	50.000	53.170	-6.3	81	0.00
56	T	Ethyl methacrylate	50.000	54.804	-9.6	80	0.00
57	T	1,3-Dichloropropane	50.000	52.787	-5.6	79	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	256.347	-2.5	73	0.00
59	T	2-Hexanone	250.000	323.037	-29.2#	92	0.00
60	T	Dibromochloromethane	50.000	54.145	-8.3	81	0.00
61	T	1,2-Dibromoethane	50.000	53.373	-6.7	80	0.00
62	S	4-Bromofluorobenzene	50.000	45.505	9.0	68	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	80	0.00
64	T	Tetrachloroethene	50.000	47.807	4.4	77	0.00
65	PM	Chlorobenzene	50.000	50.041	-0.1	78	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.070	-2.1	79	0.00
67	C	Ethyl Benzene	50.000	49.830	0.3#	78	0.00
68	T	m/p-Xylenes	100.000	100.639	-0.6	77	0.00
69	T	o-Xylene	50.000	49.701	0.6	78	0.00
70	T	Styrene	50.000	52.483	-5.0	79	0.00
71	P	Bromoform	50.000	54.990	-10.0	80	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	81	0.00
73	T	Isopropylbenzene	50.000	48.748	2.5	79	0.00
74	T	N-amyl acetate	50.000	52.132	-4.3	81	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.649	-1.3	84	0.00
76	T	1,2,3-Trichloropropane	50.000	51.941	-3.9	85	0.00
77	T	Bromobenzene	50.000	49.685	0.6	81	0.00
78	T	n-propylbenzene	50.000	49.208	1.6	79	0.00
79	T	2-Chlorotoluene	50.000	48.064	3.9	79	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.584	2.8	78	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.508	13.0	70	0.00
82	T	4-Chlorotoluene	50.000	48.941	2.1	79	0.00
83	T	tert-Butylbenzene	50.000	49.578	0.8	81	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.676	-1.4	79	0.00
85	T	sec-Butylbenzene	50.000	50.503	-1.0	81	0.00
86	T	p-Isopropyltoluene	50.000	50.912	-1.8	80	0.00
87	T	1,3-Dichlorobenzene	50.000	48.698	2.6	79	0.00
88	T	1,4-Dichlorobenzene	50.000	48.630	2.7	80	0.00
89	T	n-Butylbenzene	50.000	52.268	-4.5	80	0.00
90	T	Hexachloroethane	50.000	47.456	5.1	77	0.00
91	T	1,2-Dichlorobenzene	50.000	49.733	0.5	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	55.778	-11.6	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.067	-0.1	80	0.00
94	T	Hexachlorobutadiene	50.000	52.565	-5.1	89	0.00
95	T	Naphthalene	50.000	51.898	-3.8	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.145	-0.3	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_X Calibration Date/Time: 02/28/2025 10:32

Lab File ID: VX045077.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.770	0.741	0.1	-3.77	20
Vinyl Chloride	0.764	0.729		-4.58	20
Bromomethane	0.300	0.282		-6	20
Chloroethane	0.352	0.283		-19.6	20
Trichlorofluoromethane	1.012	0.999		-1.28	20
1,1,2-Trichlorotrifluoroethane	0.581	0.595		2.41	20
1,1-Dichloroethene	0.614	0.584		-4.89	20
Acetone	0.369	0.312		-15.45	20
Carbon Disulfide	1.636	1.571		-3.97	20
Methyl tert-butyl Ether	2.061	1.935		-6.11	20
Methylene Chloride	0.731	0.667		-8.76	20
trans-1,2-Dichloroethene	0.607	0.586		-3.46	20
1,1-Dichloroethane	1.247	1.167	0.1	-6.41	20
2-Butanone	0.555	0.512		-7.75	20
Carbon Tetrachloride	0.465	0.459		-1.29	20
cis-1,2-Dichloroethene	0.749	0.712		-4.94	20
Chloroform	1.239	1.140		-7.99	20
1,1,1-Trichloroethane	1.000	0.948		-5.2	20
Methylcyclohexane	0.549	0.617		12.39	20
Benzene	1.448	1.433		-1.04	20
1,2-Dichloroethane	0.521	0.494		-5.18	20
Trichloroethene	0.340	0.328		-3.53	20
1,2-Dichloropropane	0.372	0.358		-3.76	20
Bromodichloromethane	0.516	0.508		-1.55	20
4-Methyl-2-Pentanone	0.587	0.565		-3.75	20
Toluene	0.849	0.870		2.47	20
t-1,3-Dichloropropene	0.431	0.483		12.06	20
cis-1,3-Dichloropropene	0.503	0.551		9.54	20
1,1,2-Trichloroethane	0.350	0.330		-5.71	20
2-Hexanone	0.425	0.411		-3.29	20
Dibromochloromethane	0.366	0.367		0.27	20
Tetrachloroethene	0.320	0.319		-0.31	20
Chlorobenzene	1.058	1.039	0.3	-1.8	20
Ethyl Benzene	1.843	1.879		1.95	20
m/p-Xylenes	0.675	0.694		2.82	20
o-Xylene	0.681	0.685		0.59	20
Styrene	1.101	1.143		3.82	20
Bromoform	0.266	0.268	0.1	0.75	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_X Calibration Date/Time: 02/28/2025 10:32

Lab File ID: VX045077.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.903	3.973		1.79	20
1,1,2,2-Tetrachloroethane	1.432	1.334	0.3	-6.84	20
1,3-Dichlorobenzene	1.643	1.660		1.03	20
1,4-Dichlorobenzene	1.662	1.653		-0.54	20
1,2-Dichlorobenzene	1.648	1.652		0.24	20
1,2-Dichloroethane-d4	0.795	0.733		-7.8	20
Dibromofluoromethane	0.334	0.331		-0.9	20
Toluene-d8	1.212	1.209		-0.25	20
4-Bromofluorobenzene	0.402	0.404		0.5	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	111989	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	196414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82143	46.113	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.220%			
35) Dibromofluoromethane	5.373	113	65054	49.532	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	8.647	98	237369	49.853	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.700%			
62) 4-Bromofluorobenzene	11.079	95	79413	50.332	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	70744	50.185	ug/l	96
3) Chloromethane	1.300	50	83018	48.123	ug/l	100
4) Vinyl Chloride	1.374	62	81653	47.712	ug/l	98
5) Bromomethane	1.593	94	31592	46.959	ug/l	98
6) Chloroethane	1.660	64	31648	40.092	ug/l	99
7) Trichlorofluoromethane	1.867	101	111880	49.383	ug/l	98
8) Diethyl Ether	2.136	74	40610	45.828	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.312	101	66640	51.199	ug/l	99
10) Methyl Iodide	2.440	142	76401	46.970	ug/l	98
11) Tert butyl alcohol	2.995	59	71200m	211.016	ug/l	
12) 1,1-Dichloroethene	2.306	96	65383	47.513	ug/l	98
13) Acrolein	2.233	56	101424	260.033	ug/l	99
14) Allyl chloride	2.654	41	121309	49.523	ug/l	99
15) Acrylonitrile	3.062	53	203403	224.925	ug/l	99
16) Acetone	2.386	43	174653	211.319	ug/l	98
17) Carbon Disulfide	2.501	76	175990	48.016	ug/l	97
18) Methyl Acetate	2.703	43	88925	44.725	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	216663	46.929	ug/l	97
20) Methylene Chloride	2.782	84	74677	45.613	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	65595	48.249	ug/l	99
22) Diisopropyl ether	3.757	45	240622	48.301	ug/l	93
23) Vinyl Acetate	3.715	43	1044255	251.185	ug/l	99
24) 1,1-Dichloroethane	3.599	63	130733	46.825	ug/l	99
25) 2-Butanone	4.556	43	286458	230.258	ug/l	100
26) 2,2-Dichloropropane	4.464	77	95125	72.639	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	79716	47.500	ug/l	97
28) Bromochloromethane	4.891	49	61824	46.457	ug/l	98
29) Tetrahydrofuran	5.001	42	187451	224.369	ug/l	100
30) Chloroform	5.086	83	127656	46.017	ug/l	98
31) Cyclohexane	5.458	56	120742	49.820	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	106176	47.389	ug/l	99
36) 1,1-Dichloropropene	5.684	75	88691	49.241	ug/l	99
37) Ethyl Acetate	4.714	43	110594	47.651	ug/l	98
38) Carbon Tetrachloride	5.665	117	90184	49.318	ug/l	97
39) Methylcyclohexane	7.372	83	121207	56.161	ug/l	98
40) Benzene	6.031	78	281425	49.480	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	60396	48.126	ug/l		98
42) 1,2-Dichloroethane	6.080	62	97091	47.405	ug/l		100
43) Isopropyl Acetate	6.336	43	172076	50.139	ug/l		100
44) Trichloroethene	7.116	130	64399	48.221	ug/l		99
45) 1,2-Dichloropropane	7.421	63	70234	48.028	ug/l		99
46) Dibromomethane	7.574	93	50957	49.300	ug/l		98
47) Bromodichloromethane	7.818	83	99834	49.243	ug/l		99
48) Methyl methacrylate	7.689	41	86144	50.032	ug/l		100
49) 1,4-Dioxane	7.659	88	33152	912.798	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	554547	240.651	ug/l		100
52) Toluene	8.714	92	170814	51.187	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	94873	55.975	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	108220	54.755	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	64904	47.245	ug/l		98
56) Ethyl methacrylate	9.116	69	107621	51.537	ug/l		100
57) 1,3-Dichloropropane	9.305	76	115487	48.576	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	273540	268.530	ug/l		99
59) 2-Hexanone	9.427	43	403729	241.811	ug/l		99
60) Dibromochloromethane	9.518	129	72136	50.220	ug/l		99
61) 1,2-Dibromoethane	9.604	107	67190	48.992	ug/l		98
64) Tetrachloroethene	9.268	164	54912	49.741	ug/l		94
65) Chlorobenzene	10.073	112	179056	49.093	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	59227	48.762	ug/l		98
67) Ethyl Benzene	10.189	91	323851	50.959	ug/l		98
68) m/p-Xylenes	10.299	106	239135	102.789	ug/l		99
69) o-Xylene	10.640	106	118067	50.318	ug/l		98
70) Styrene	10.652	104	197009	51.891	ug/l		99
71) Bromoform	10.799	173	46267	50.513	ug/l	#	97
73) Isopropylbenzene	10.957	105	303194	50.901	ug/l		100
74) N-amyl acetate	10.841	43	145178	51.942	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	101813	46.579	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	83360m	46.931	ug/l		
77) Bromobenzene	11.195	156	69846	49.698	ug/l		98
78) n-propylbenzene	11.299	91	354229	52.644	ug/l		100
79) 2-Chlorotoluene	11.360	91	209700	48.935	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	247465	51.381	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	28438	54.791	ug/l		98
82) 4-Chlorotoluene	11.451	91	235030	50.324	ug/l		99
83) tert-Butylbenzene	11.713	119	249434	50.405	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	249084	51.398	ug/l		99
85) sec-Butylbenzene	11.890	105	314975	53.135	ug/l		99
86) p-Isopropyltoluene	12.006	119	256666	53.578	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	126673	50.525	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	126155	49.736	ug/l		99
89) n-Butylbenzene	12.329	91	234896	56.931	ug/l		100
90) Hexachloroethane	12.536	117	44665	51.547	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	126089	50.134	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20546	48.248	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	78708	54.961	ug/l		100
94) Hexachlorobutadiene	13.725	225	30769	52.406	ug/l		97
95) Naphthalene	13.774	128	288129	52.367	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	79762	52.796	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/03/2025
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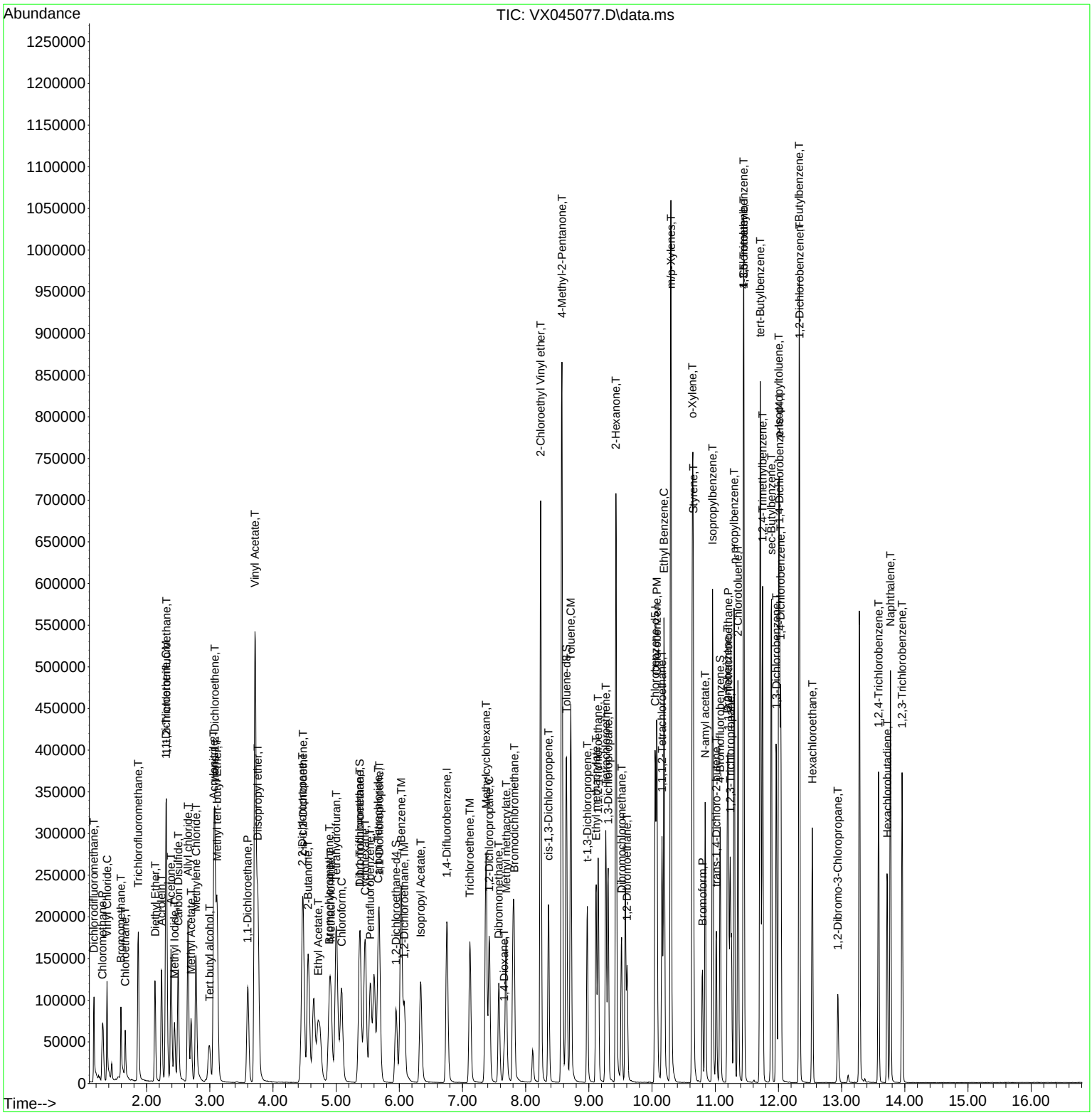
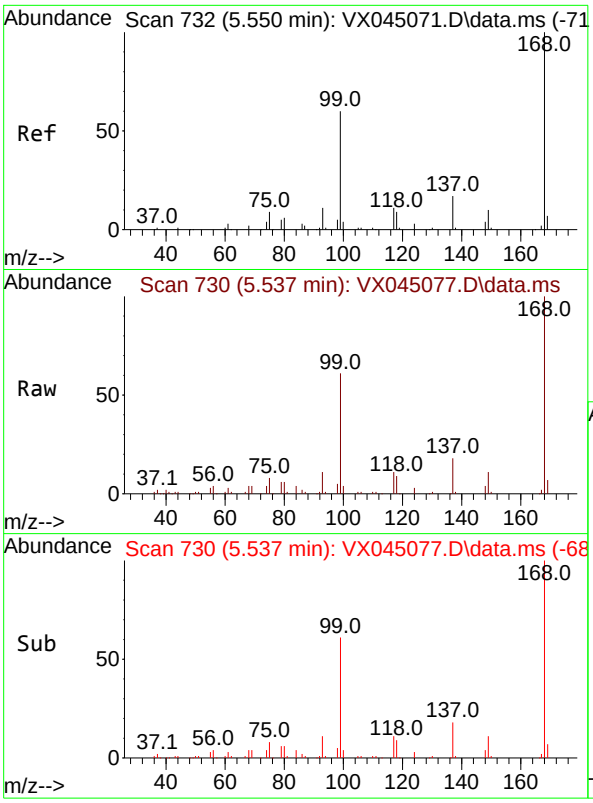
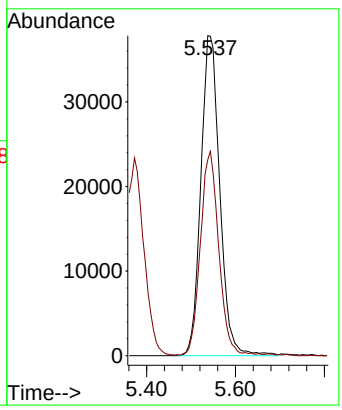




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:168 Resp: 11198

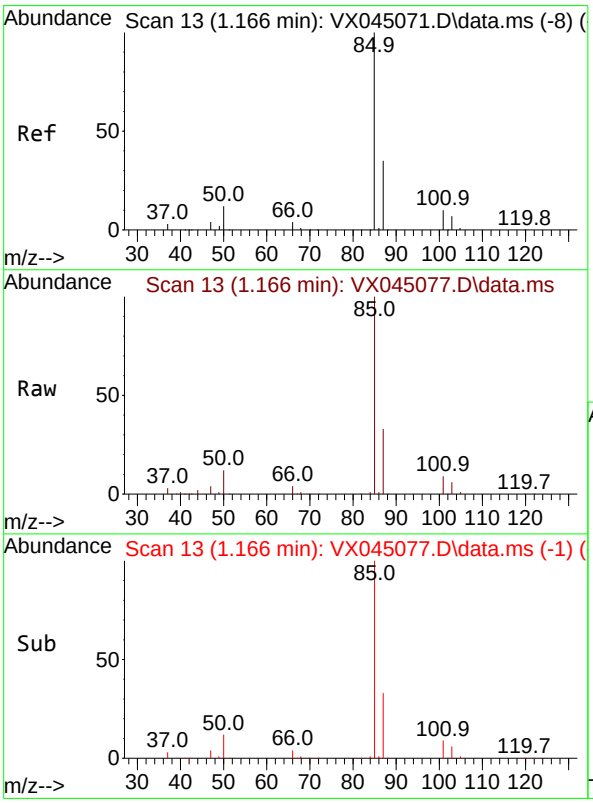
Ion	Ratio	Lower	Upper
168	100		
99	60.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

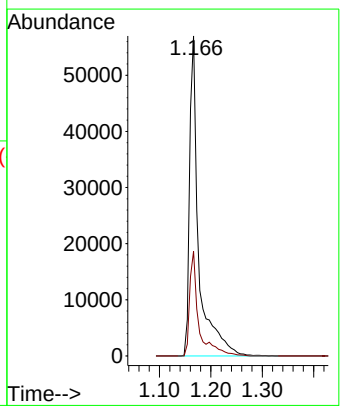
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

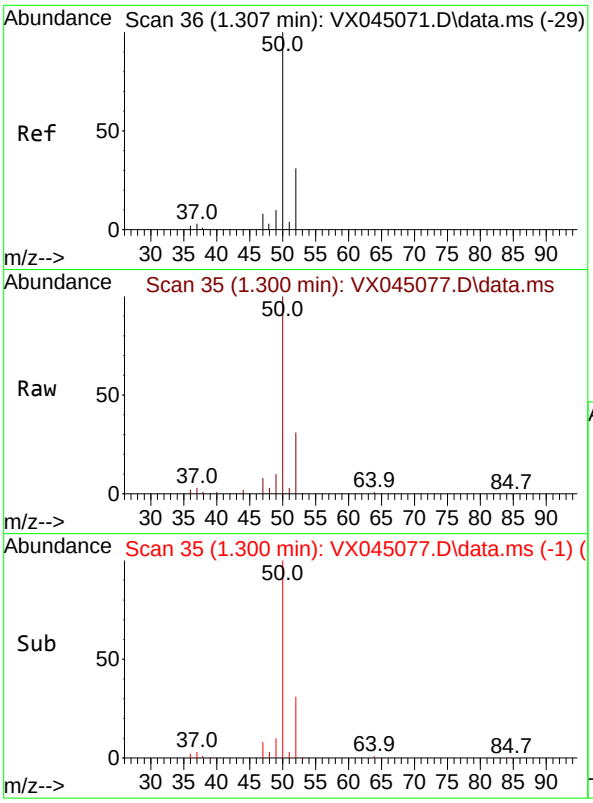


#2
Dichlorodifluoromethane
Concen: 50.185 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 85 Resp: 70744

Ion	Ratio	Lower	Upper
85	100		
87	32.7	17.4	52.3

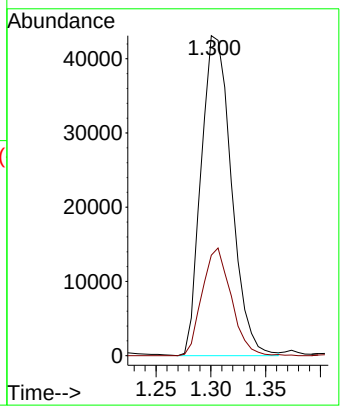




#3
Chloromethane
Concen: 48.123 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 50 Resp: 8301

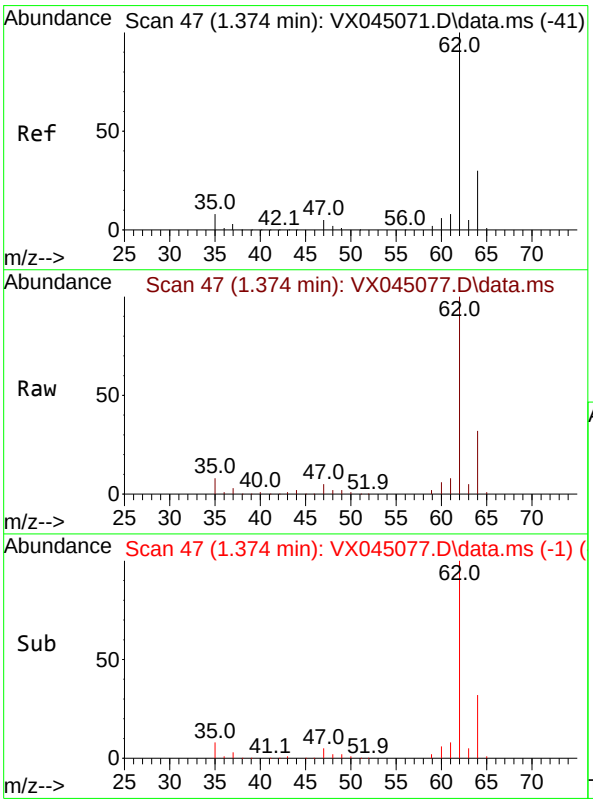
Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

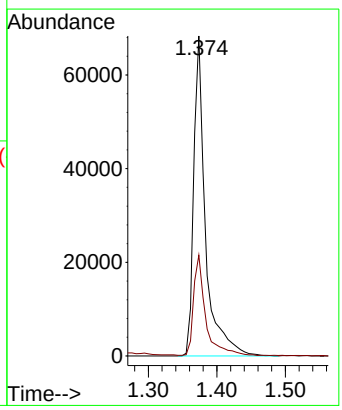
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

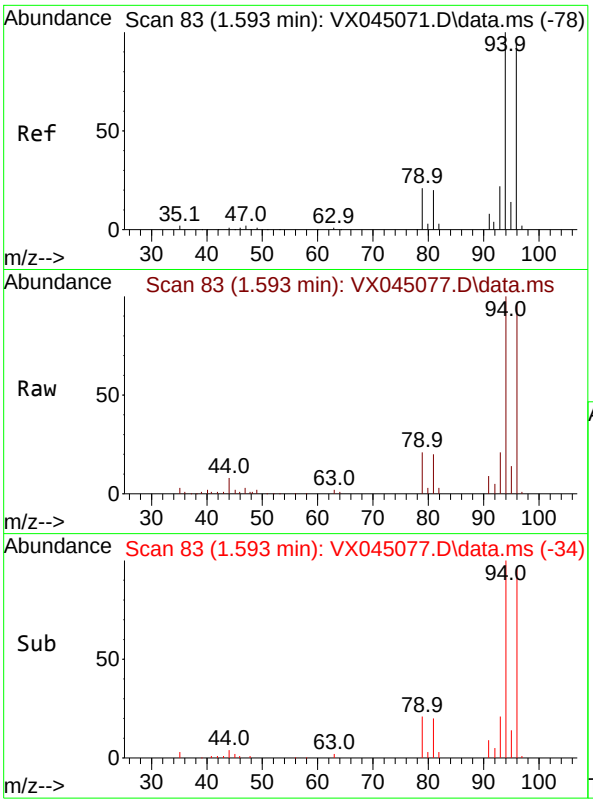


#4
Vinyl Chloride
Concen: 47.712 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 62 Resp: 81653

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5

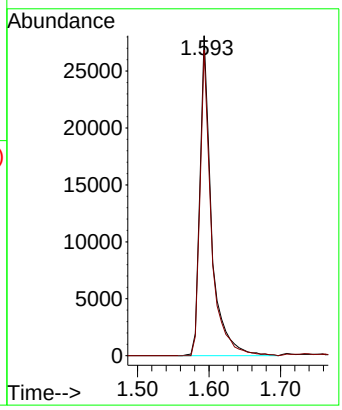




#5
Bromomethane
Concen: 46.959 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 94 Resp: 3159

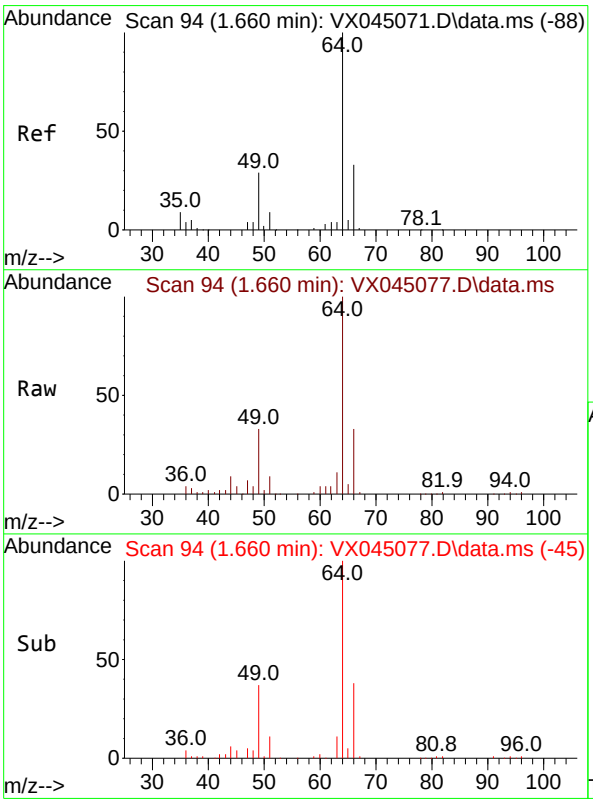
Ion	Ratio	Lower	Upper
94	100		
96	95.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

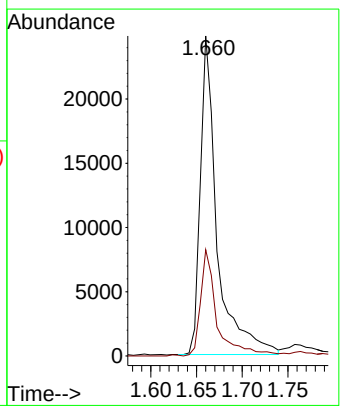
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

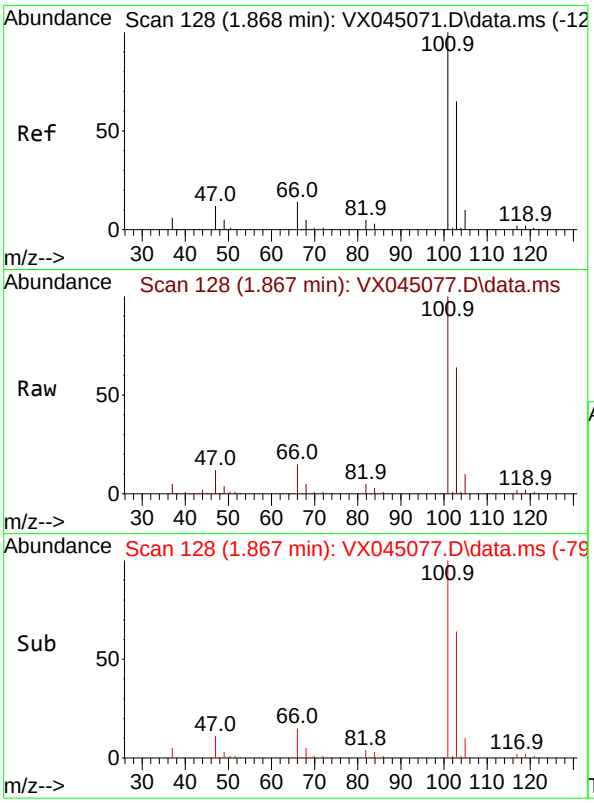


#6
Chloroethane
Concen: 40.092 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 64 Resp: 31648

Ion	Ratio	Lower	Upper
64	100		
66	33.1	26.7	40.1

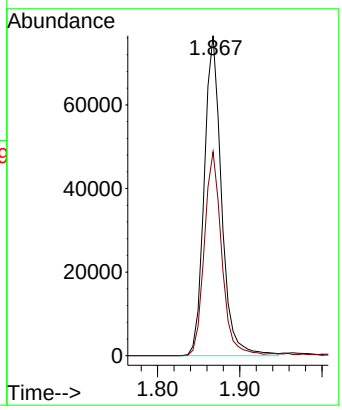




#7
Trichlorofluoromethane
Concen: 49.383 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:101 Resp: 11188

Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
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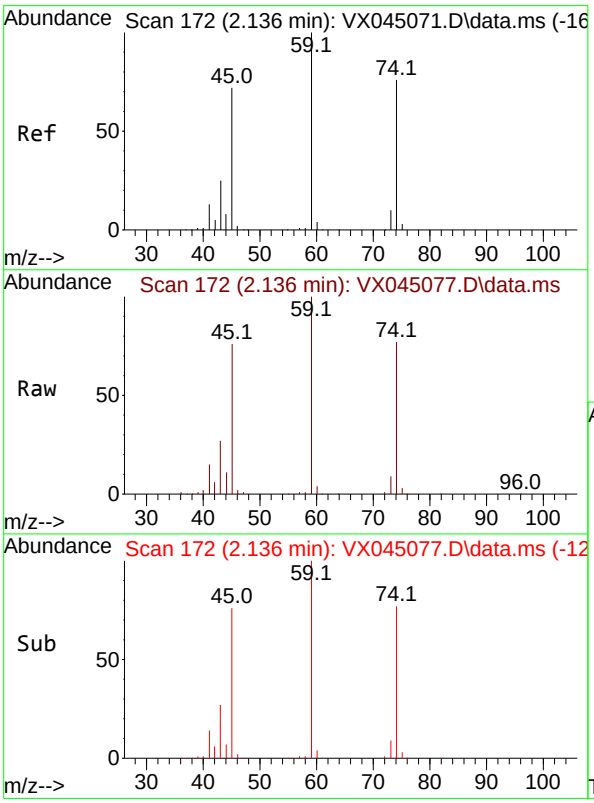
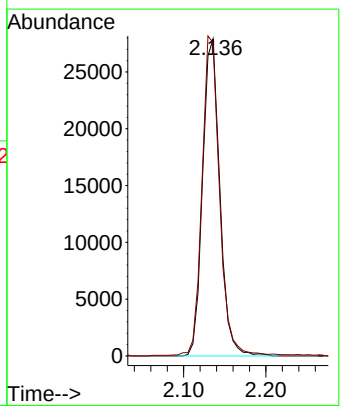
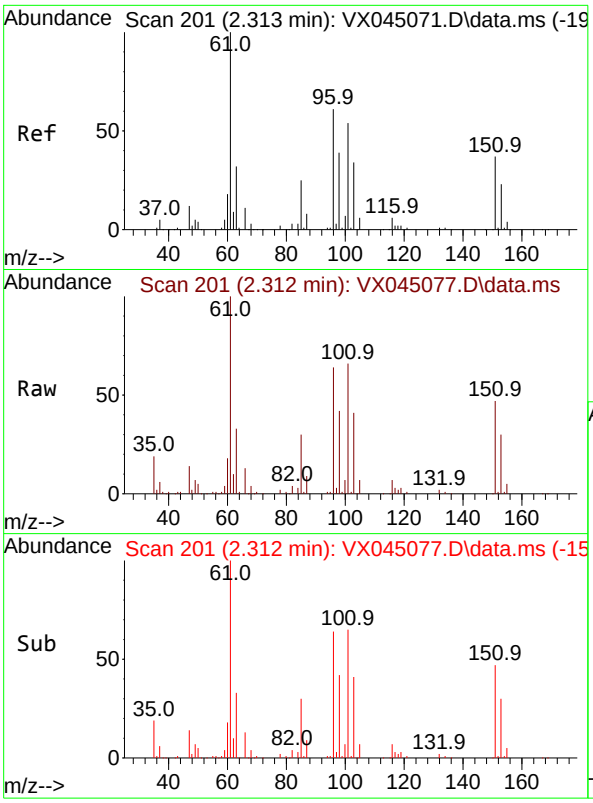


#8
Diethyl Ether
Concen: 45.828 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 74 Resp: 40610

Ion	Ratio	Lower	Upper
74	100		
45	103.8	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.199 ug/l
RT: 2.312 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

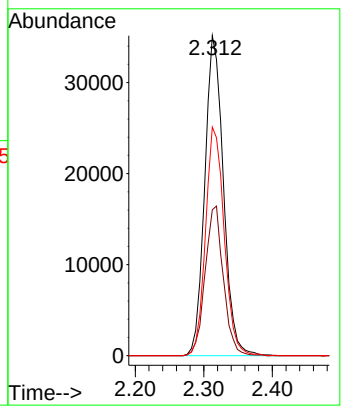
Tgt Ion:101 Resp: 6664(

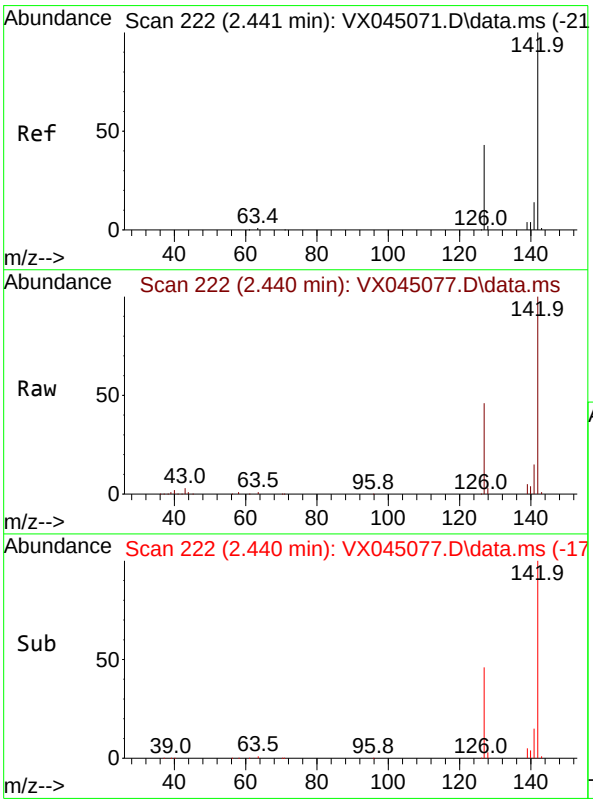
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	71.6	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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

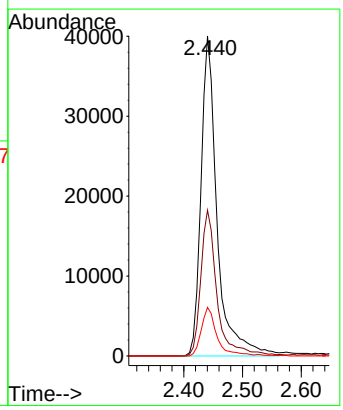


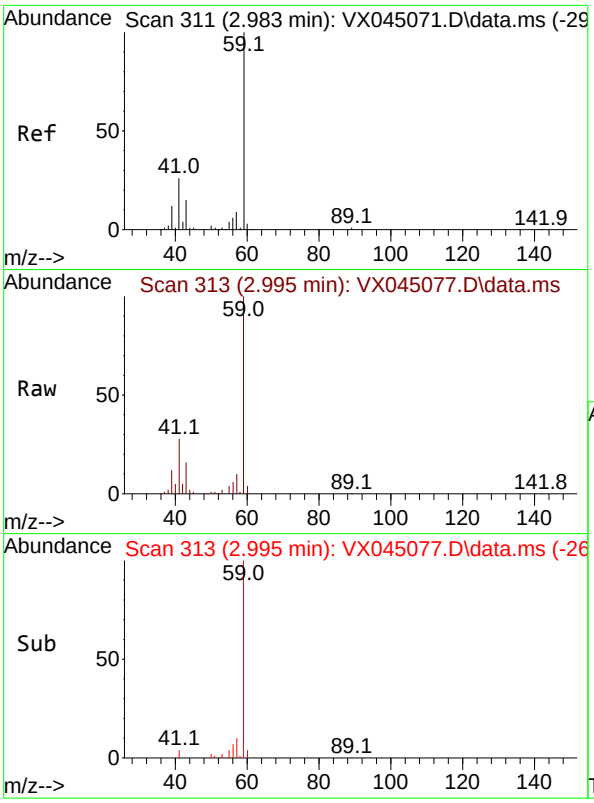


#10
Methyl Iodide
Concen: 46.970 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:142 Resp: 76401

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.4	53.2
141	14.6	11.6	17.4

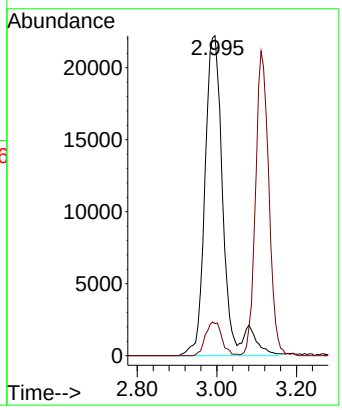




#11
Tert butyl alcohol
Concen: 211.016 ug/l m
RT: 2.995 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 59 Resp: 7120

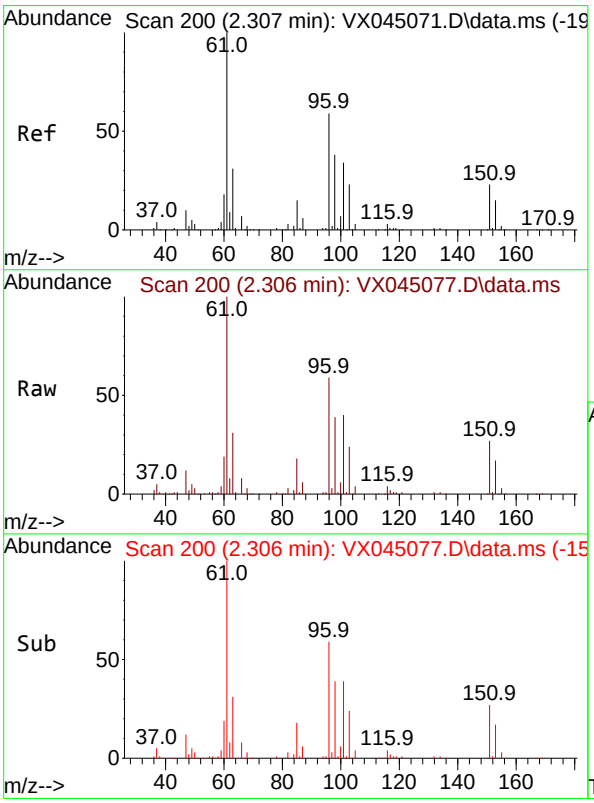
Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

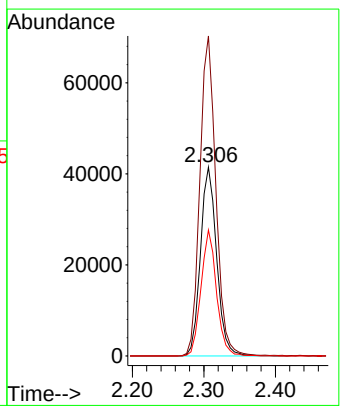
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

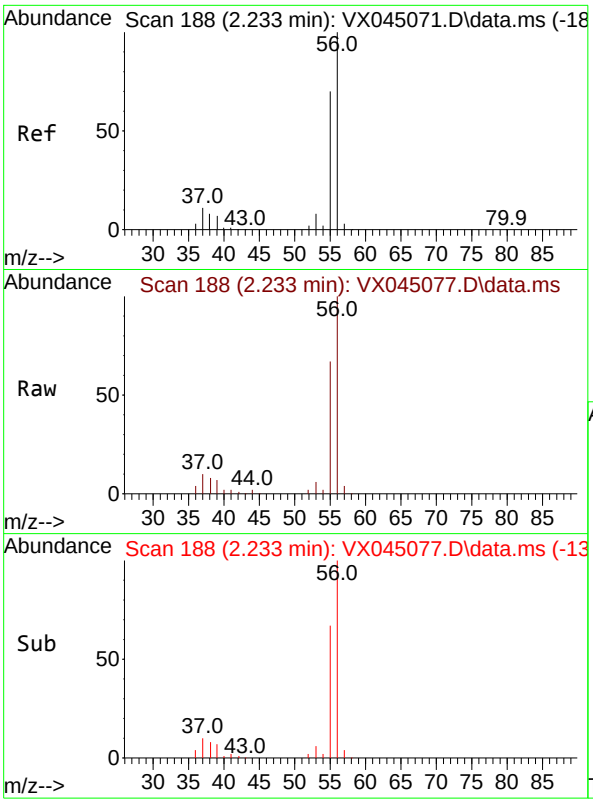


#12
1,1-Dichloroethene
Concen: 47.513 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 96 Resp: 65383

Ion	Ratio	Lower	Upper
96	100		
61	169.5	134.6	202.0
98	66.7	51.0	76.6

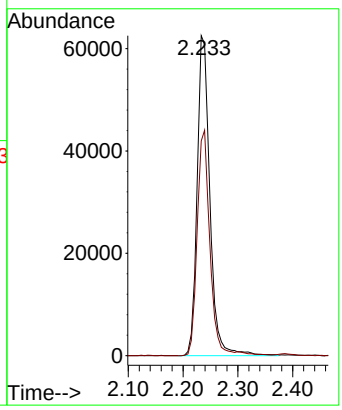




#13
Acrolein
Concen: 260.033 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 56 Resp: 10142

Ion	Ratio	Lower	Upper
56	100		
55	69.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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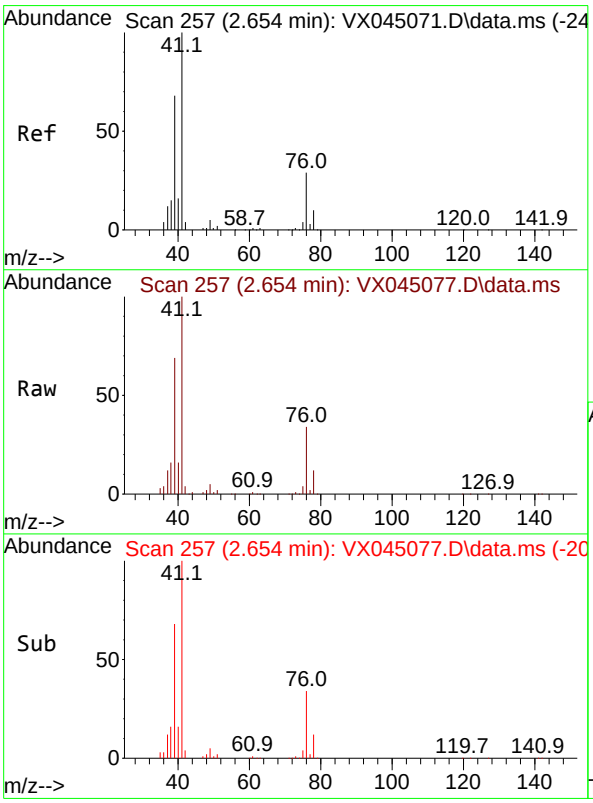
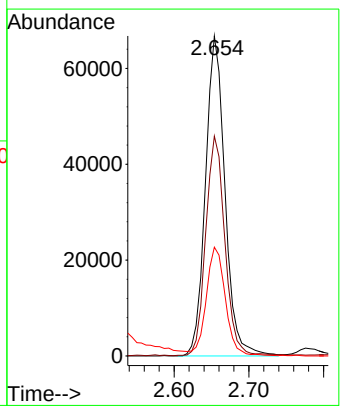
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

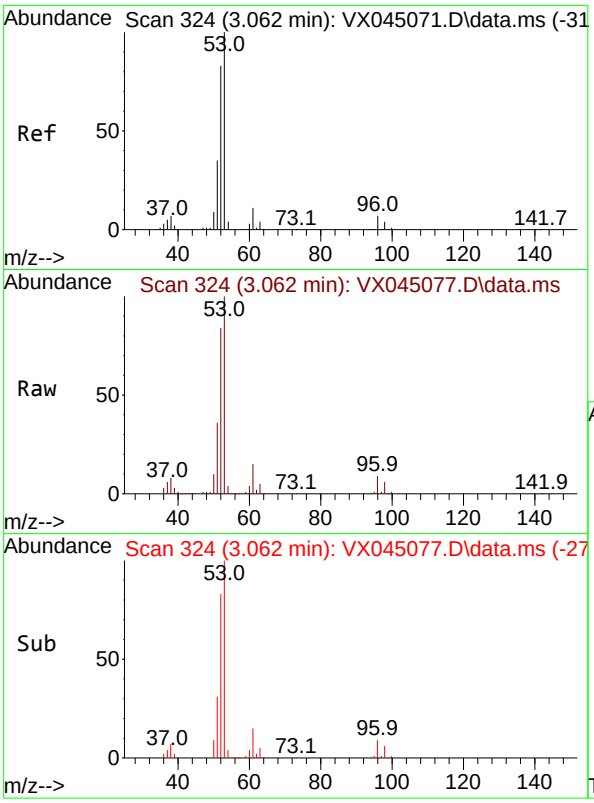


#14
Allyl chloride
Concen: 49.523 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 41 Resp: 121309

Ion	Ratio	Lower	Upper
41	100		
39	67.2	53.8	80.8
76	33.1	25.2	37.8





#15
Acrylonitrile
Concen: 224.925 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 53 Resp: 20340

Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.2	99.2
51	36.1	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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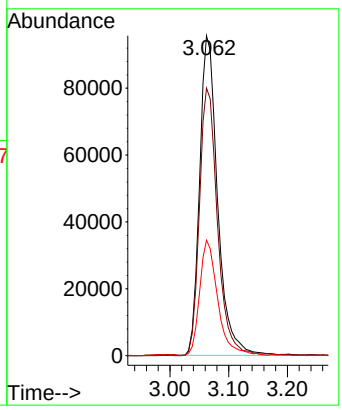
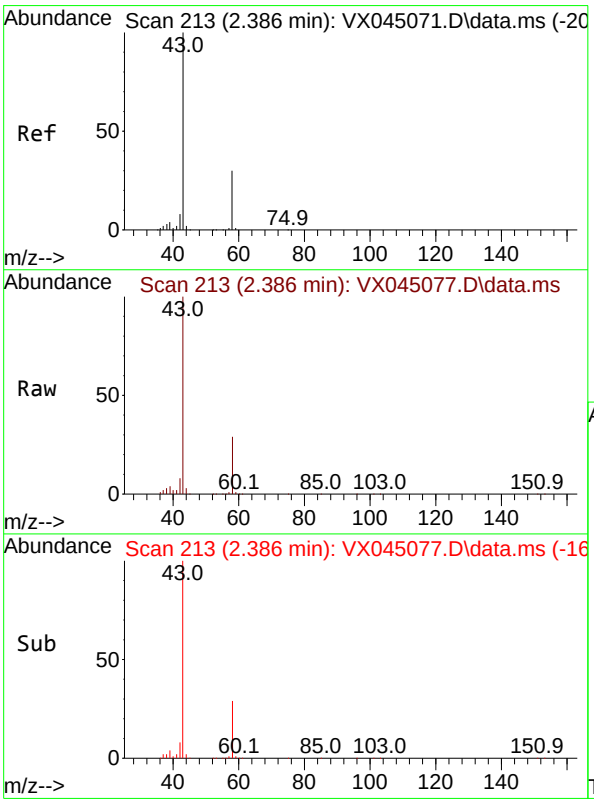
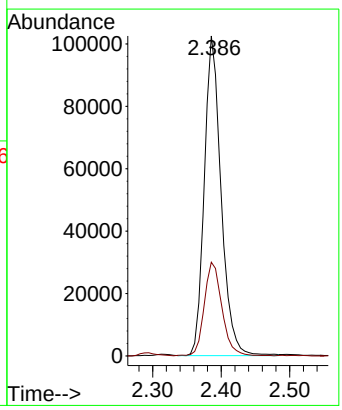


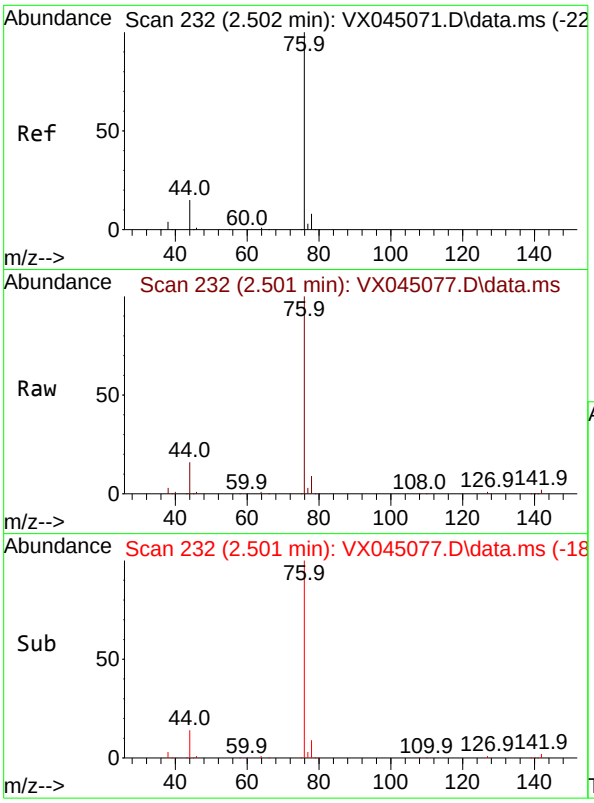


#16
Acetone
Concen: 211.319 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 174653

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.2	36.4

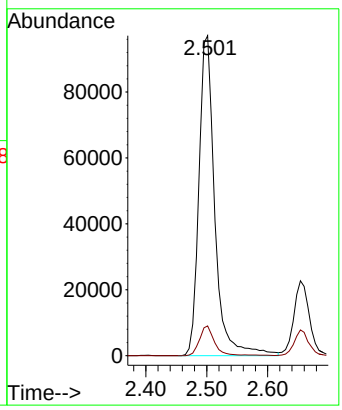




#17
Carbon Disulfide
Concen: 48.016 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 76 Resp: 17599

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8



Instrument :
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ClientSampleId :
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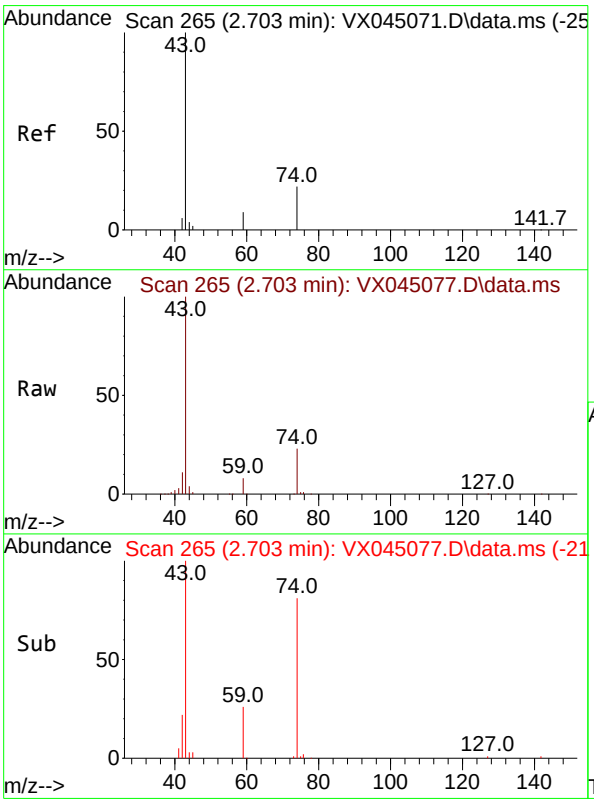
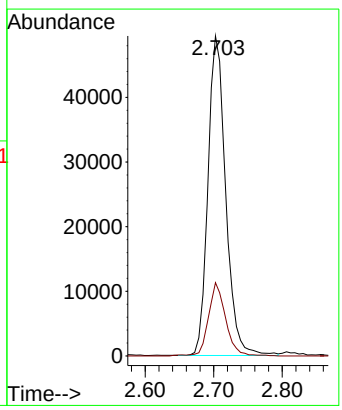
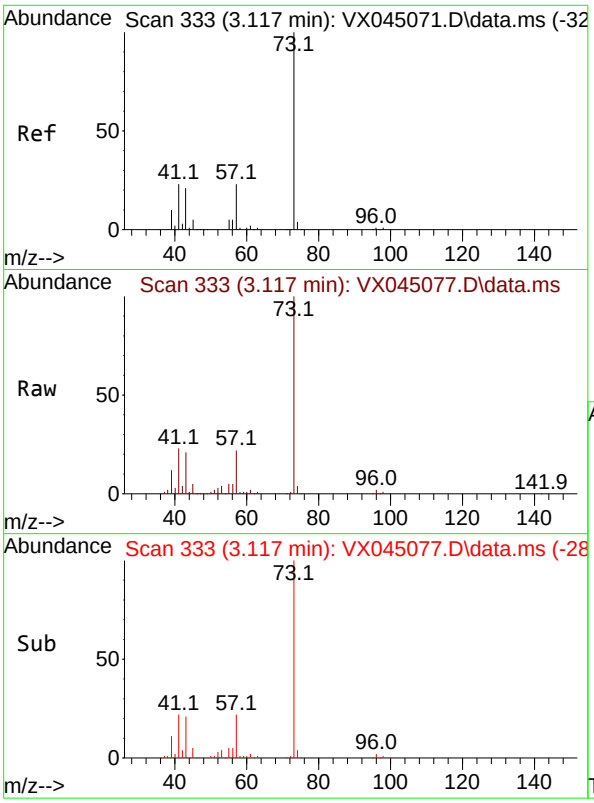


#18
Methyl Acetate
Concen: 44.725 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 88925

Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 46.929 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 73 Resp: 21666

Ion	Ratio	Lower	Upper
73	100		
57	21.5	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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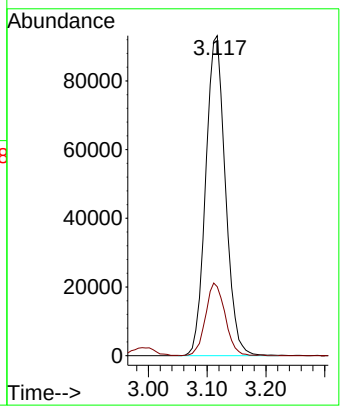
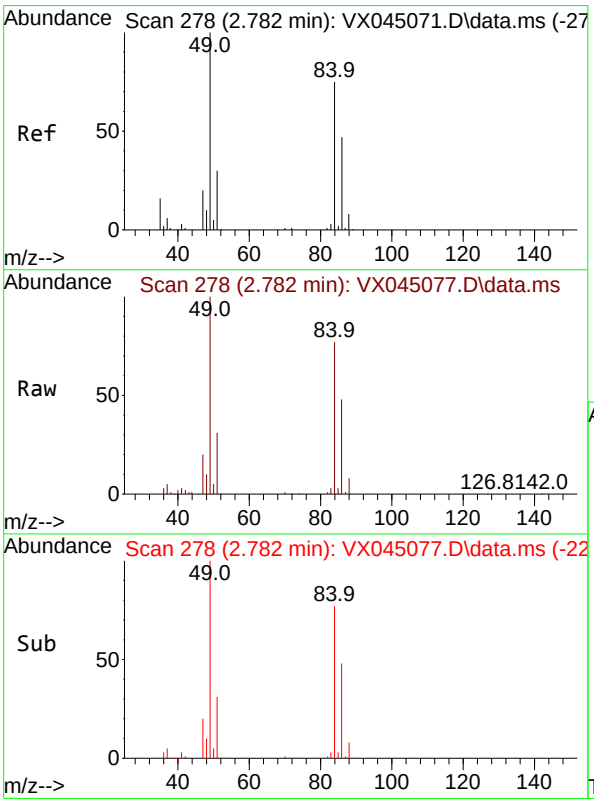
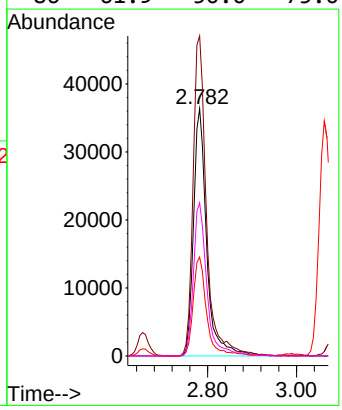


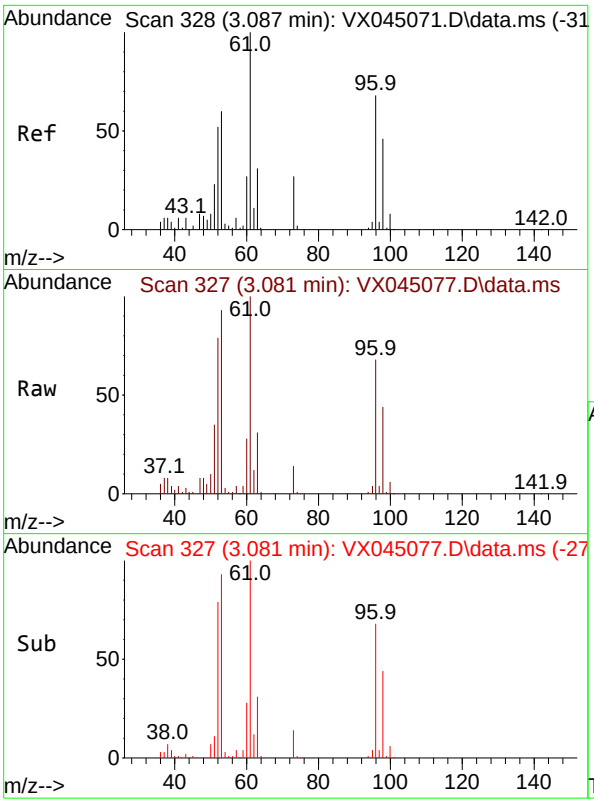


#20
Methylene Chloride
Concen: 45.613 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 84 Resp: 74677

Ion	Ratio	Lower	Upper
84	100		
49	129.4	106.5	159.7
51	40.0	32.1	48.1
86	61.9	50.0	75.0

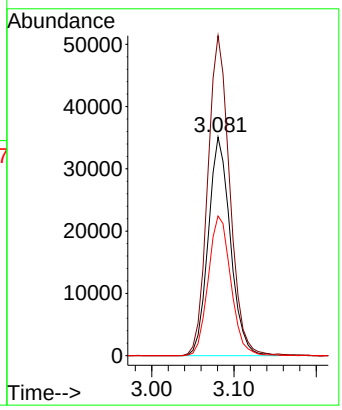




#21
trans-1,2-Dichloroethene
Concen: 48.249 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 96 Resp: 6559

Ion	Ratio	Lower	Upper
96	100		
61	146.4	117.0	175.4
98	64.0	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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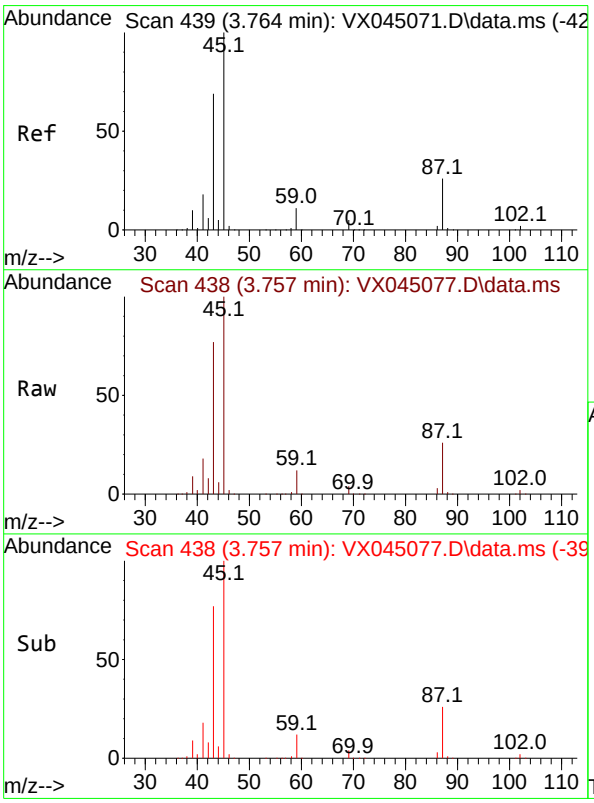
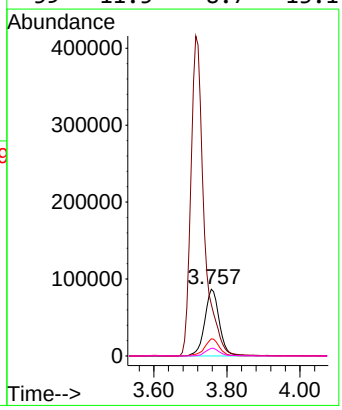
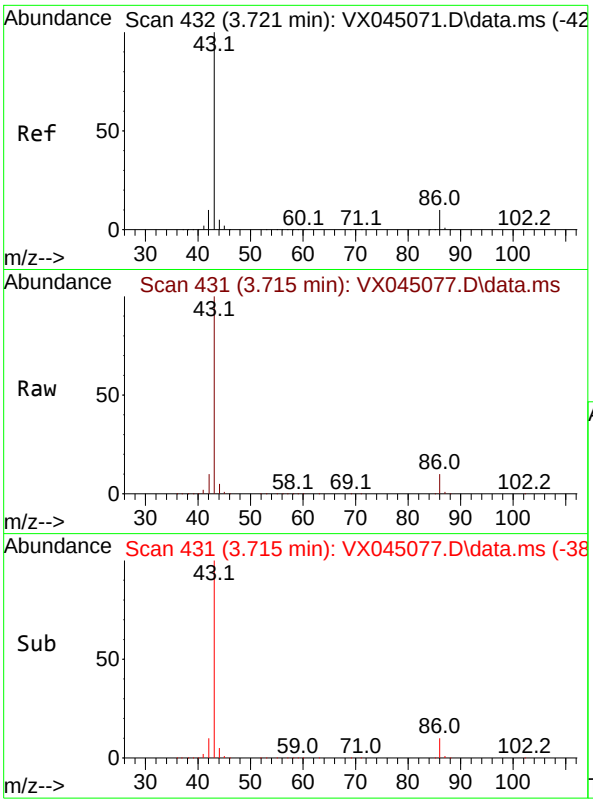


#22
Diisopropyl ether
Concen: 48.301 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 45 Resp: 240622

Ion	Ratio	Lower	Upper
45	100		
43	76.9	54.9	82.3
87	25.7	21.0	31.4
59	11.5	8.7	13.1

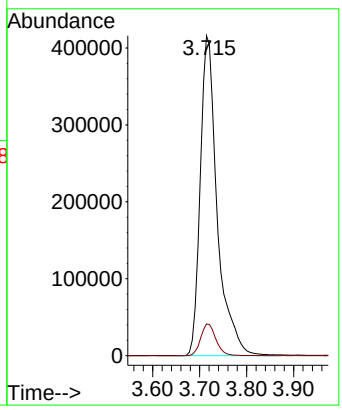




#23
Vinyl Acetate
Concen: 251.185 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 104425

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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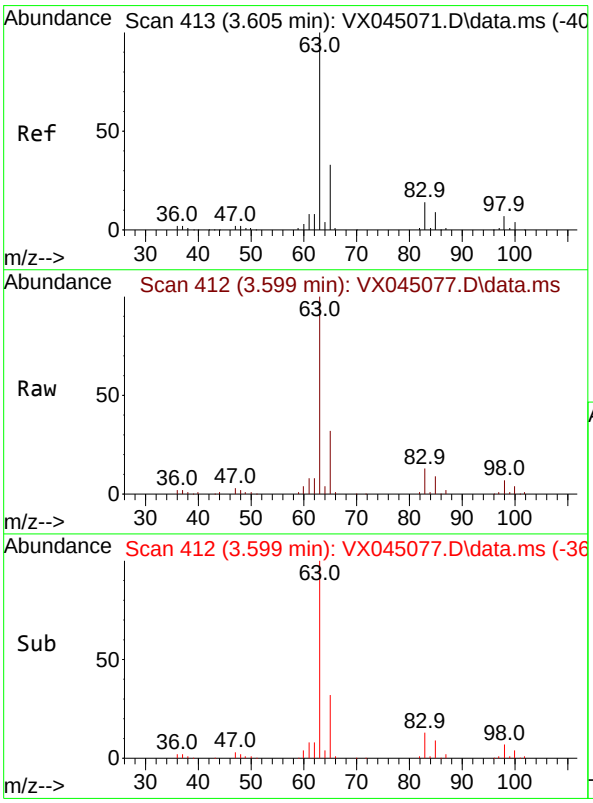
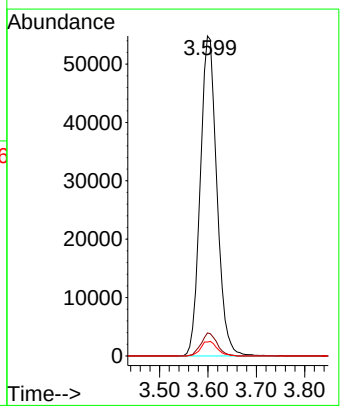
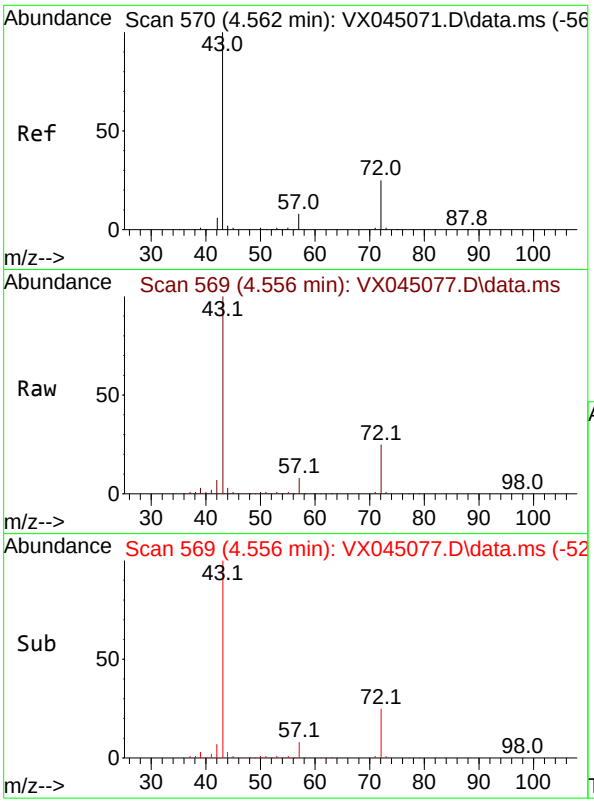


#24
1,1-Dichloroethane
Concen: 46.825 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 63 Resp: 130733

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.2
100	4.4	2.1	6.5





#25
2-Butanone
Concen: 230.258 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 28645

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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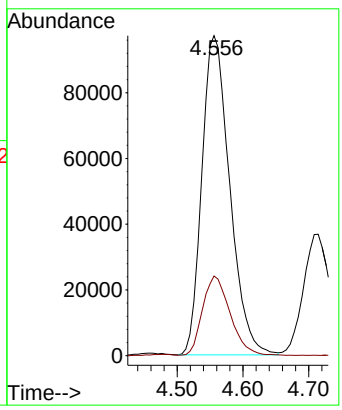
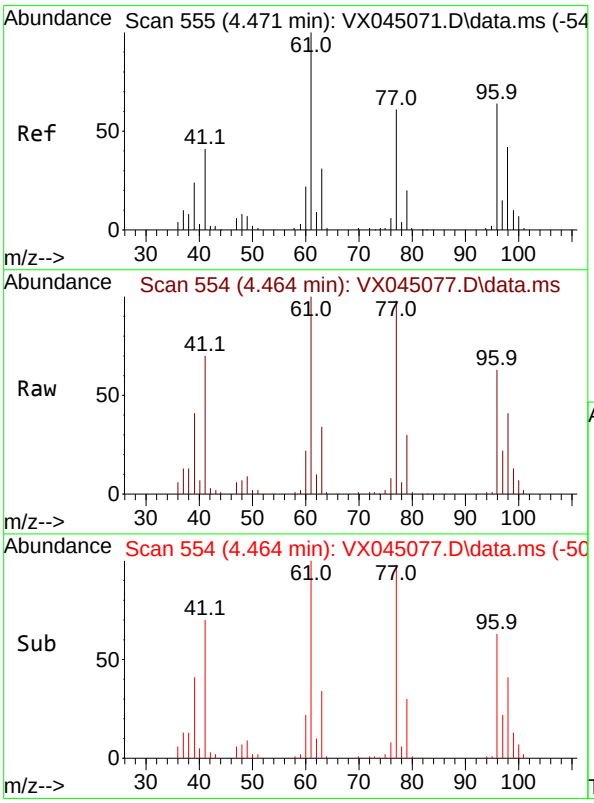
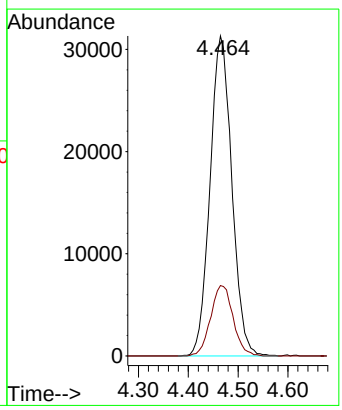


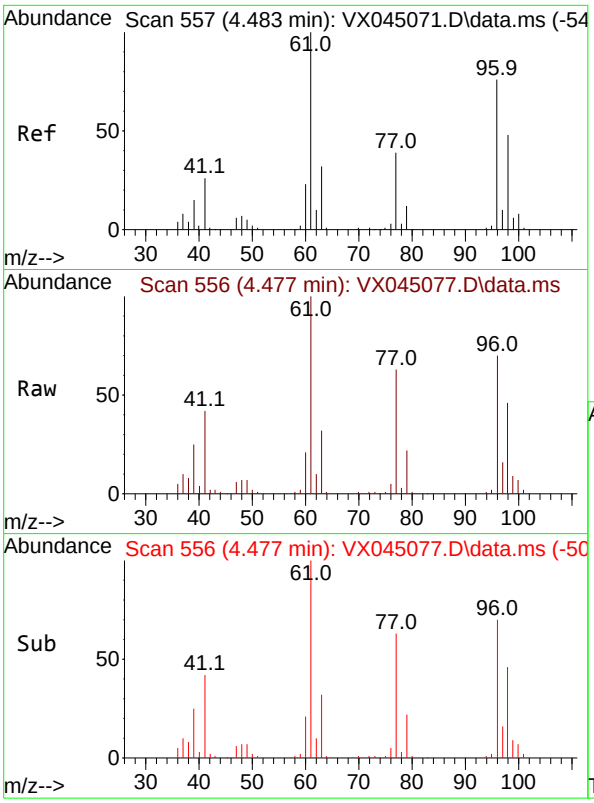


#26
2,2-Dichloropropane
Concen: 72.639 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 77 Resp: 95125

Ion	Ratio	Lower	Upper
77	100		
97	22.7	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 47.500 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 96 Resp: 7971

Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	283.2
98	64.4	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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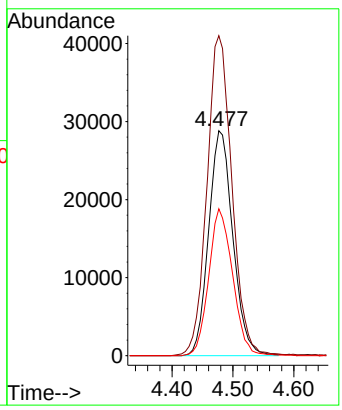
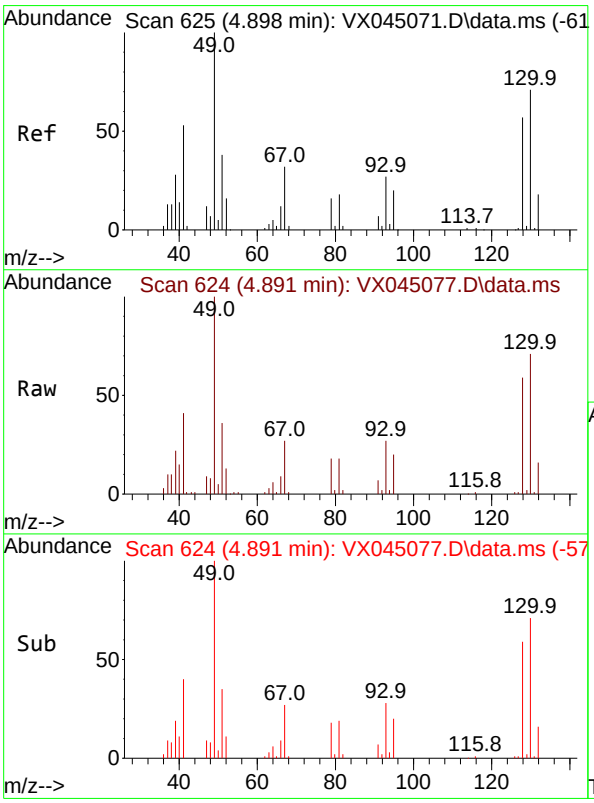
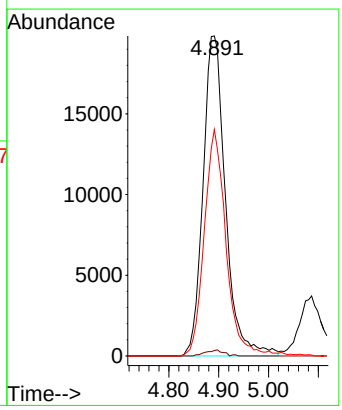


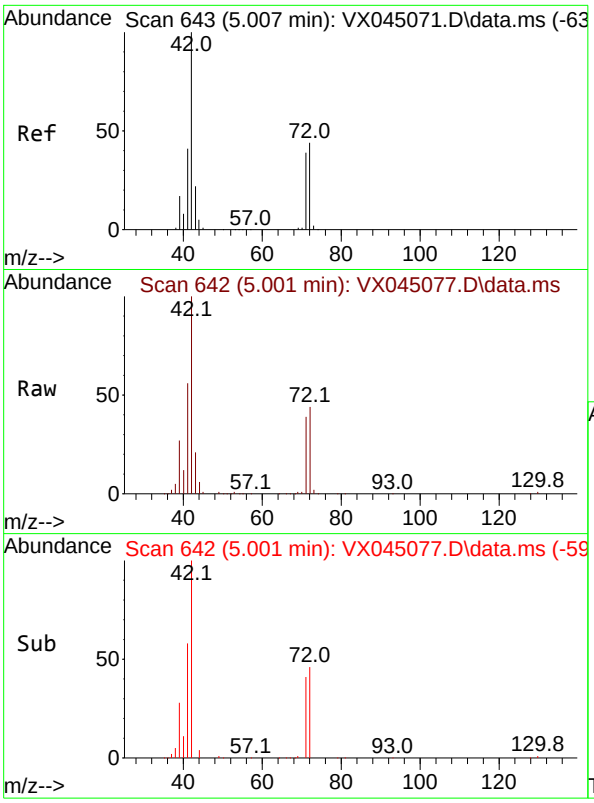


#28
Bromochloromethane
Concen: 46.457 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 49 Resp: 61824

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	68.6	56.1	84.1

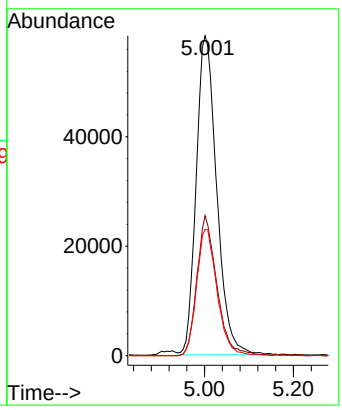




#29
Tetrahydrofuran
Concen: 224.369 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 42 Resp: 18745

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.5	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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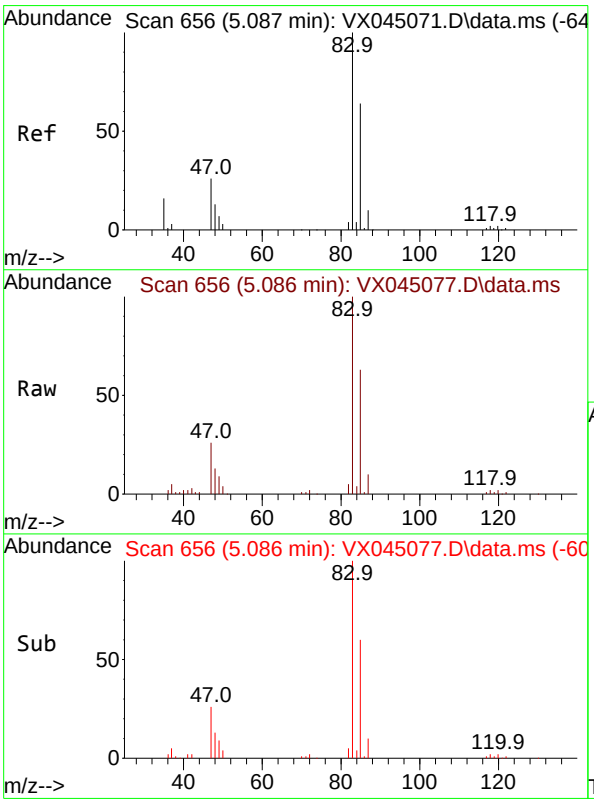
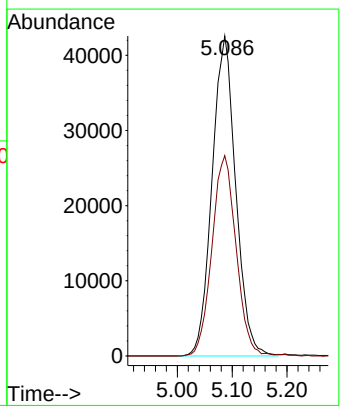
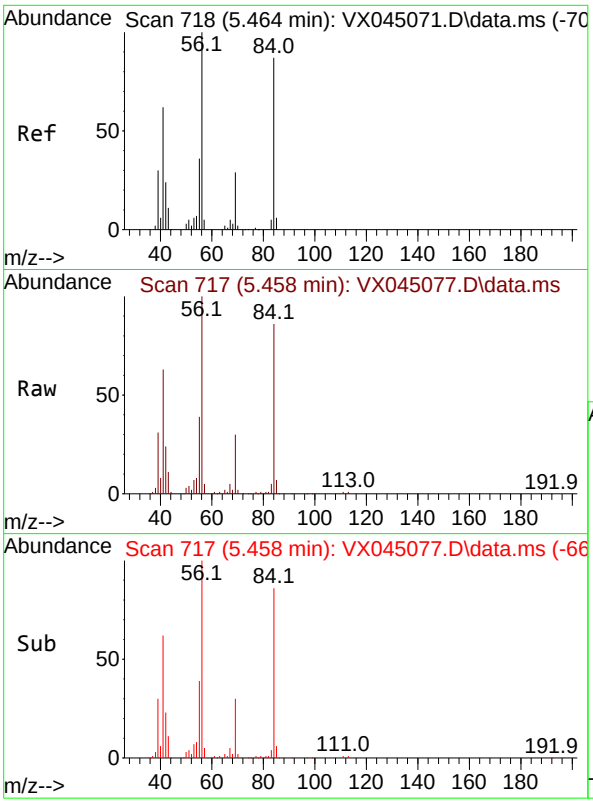


#30
Chloroform
Concen: 46.017 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 83 Resp: 127656

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.4	77.2

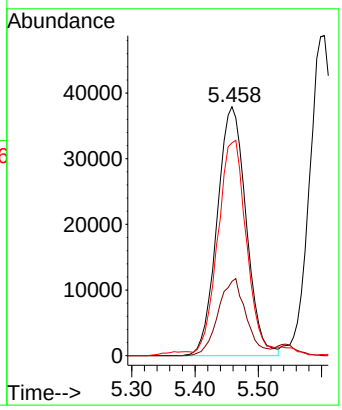




#31
Cyclohexane
Concen: 49.820 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 56 Resp: 12074

Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.4	35.2
84	84.1	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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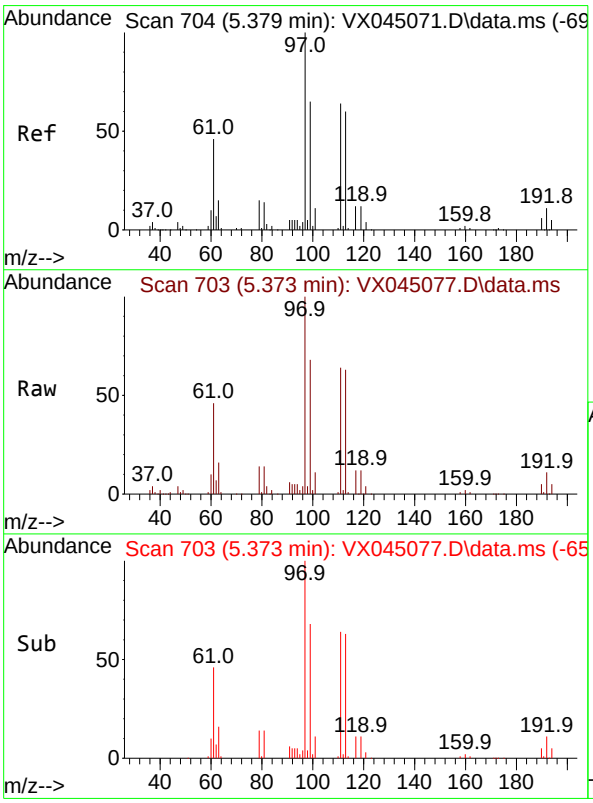
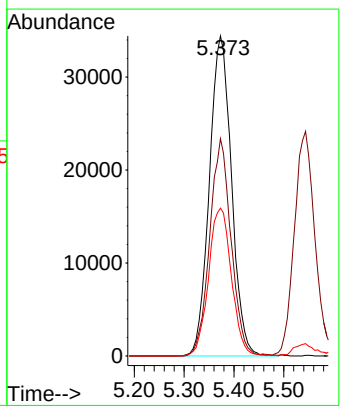
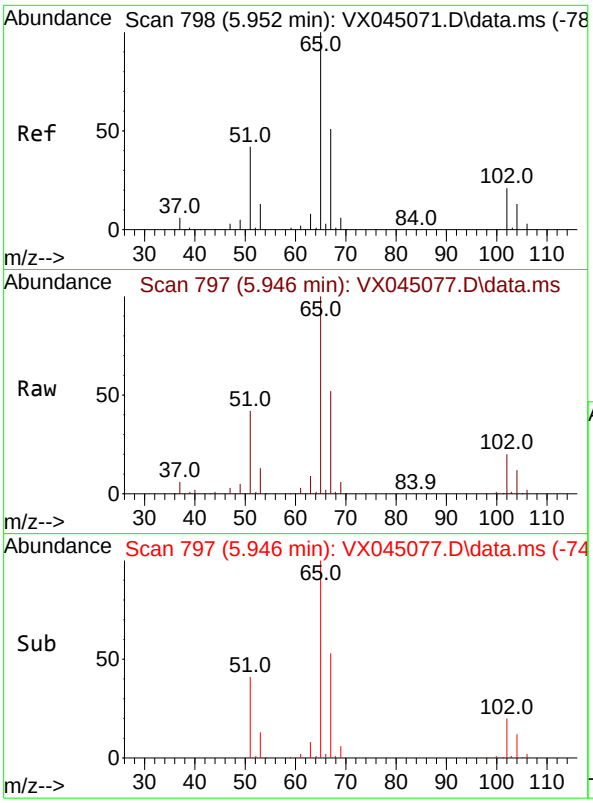


#32
1,1,1-Trichloroethane
Concen: 47.389 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 97 Resp: 106176

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.6	77.4
61	47.9	38.4	57.6

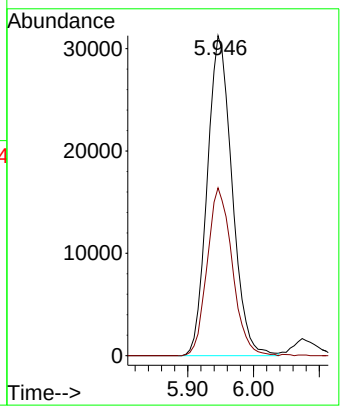




#33
1,2-Dichloroethane-d4
Concen: 46.113 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 65 Resp: 8214

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.2



Instrument :
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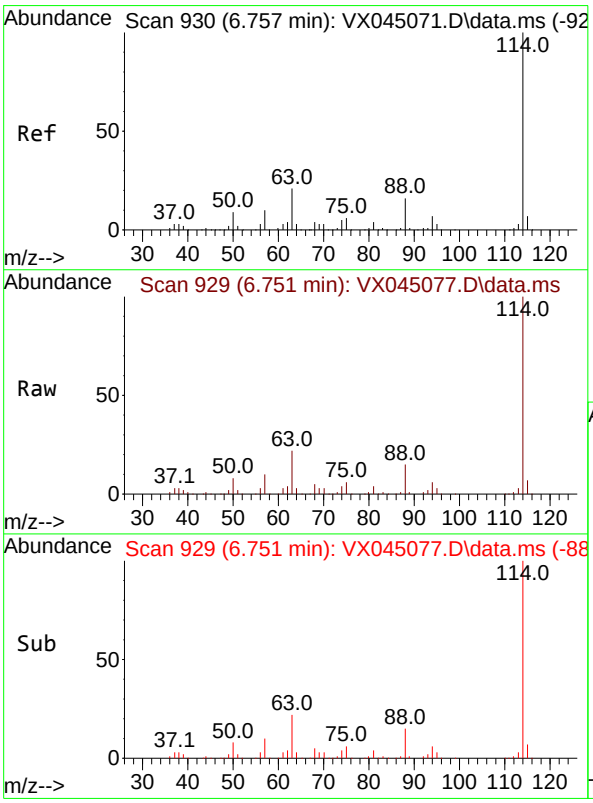
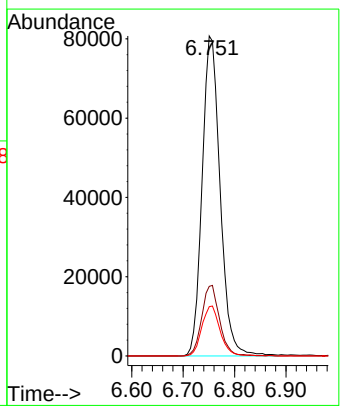
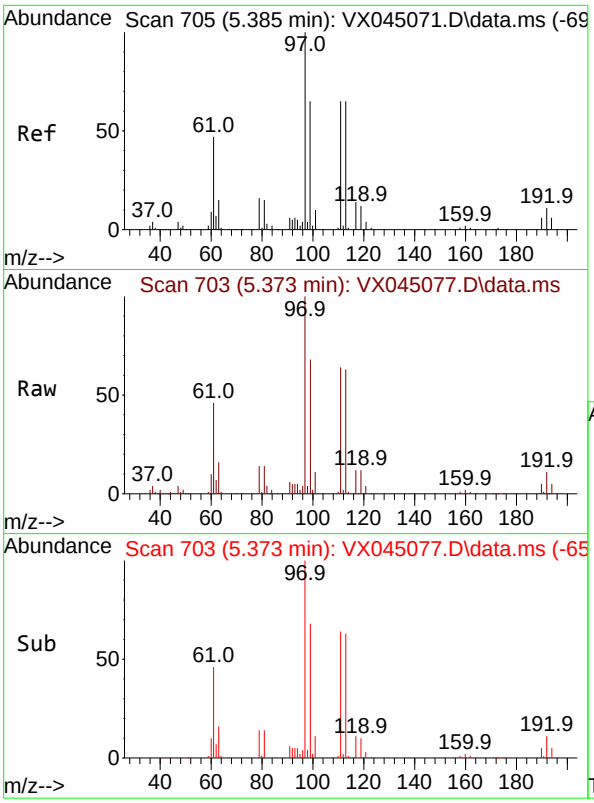


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:114 Resp: 196414

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	15.4	0.0	32.8

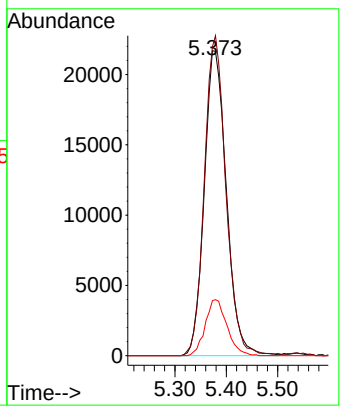




#35
Dibromofluoromethane
Concen: 49.532 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:113 Resp: 6505

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	18.0	14.3	21.5



Instrument :
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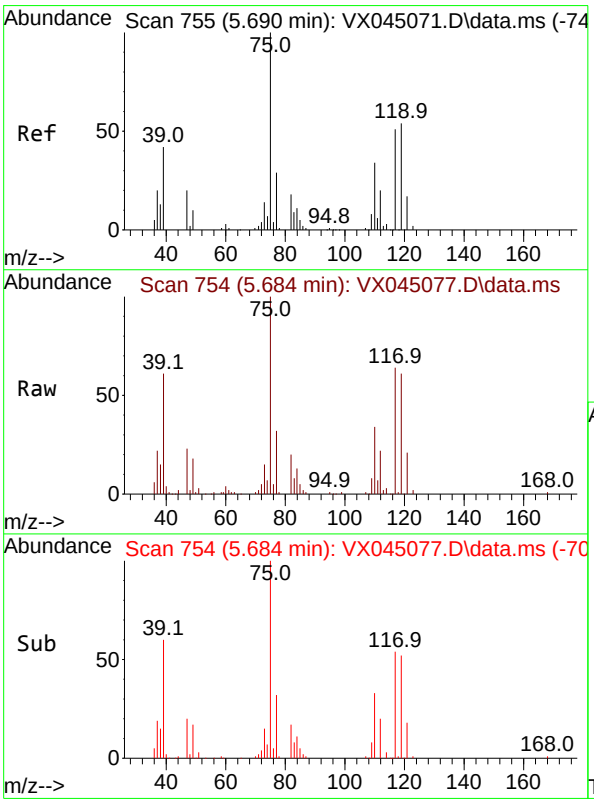
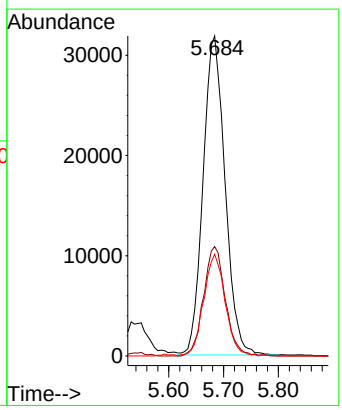
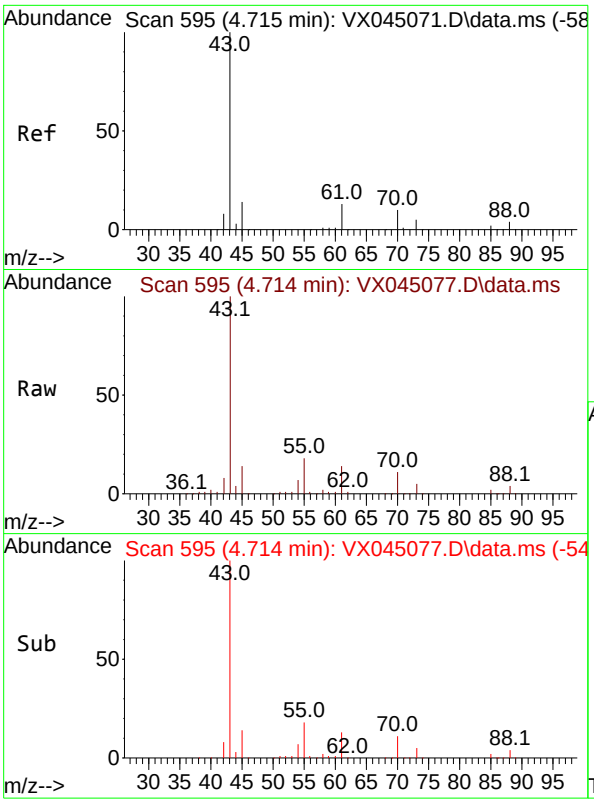


#36
1,1-Dichloropropene
Concen: 49.241 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 88691

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	31.1	24.5	36.7

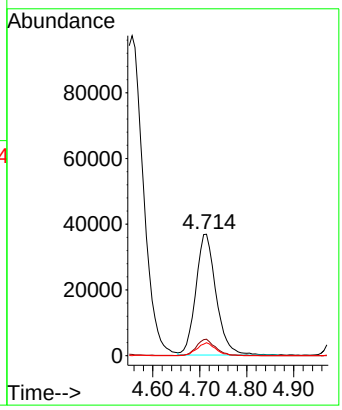




#37
Ethyl Acetate
Concen: 47.651 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 11059

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.8	16.2
70	9.9	7.7	11.5



Instrument :
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ClientSampleId :
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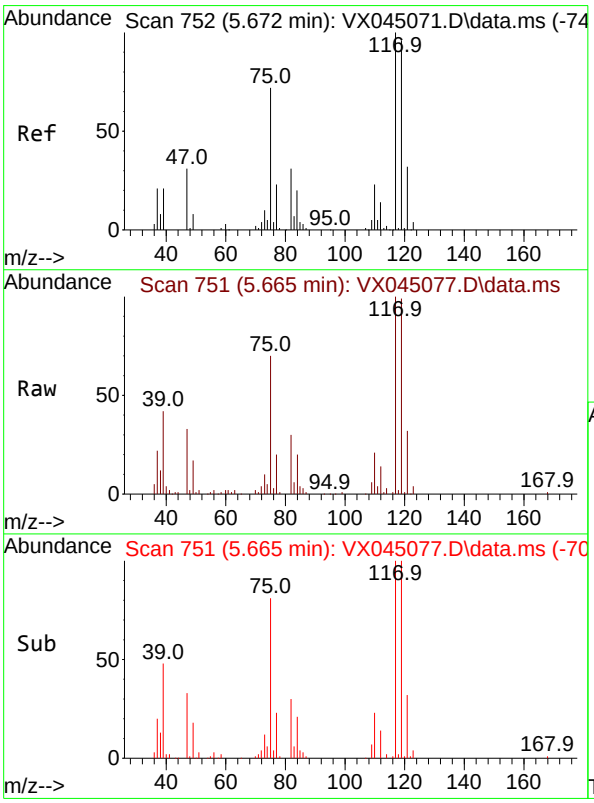
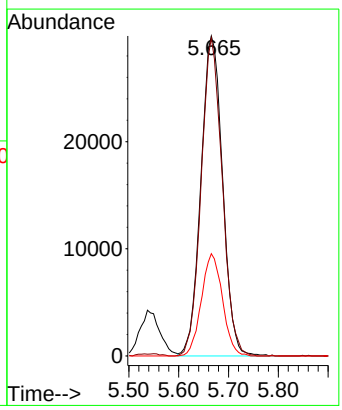
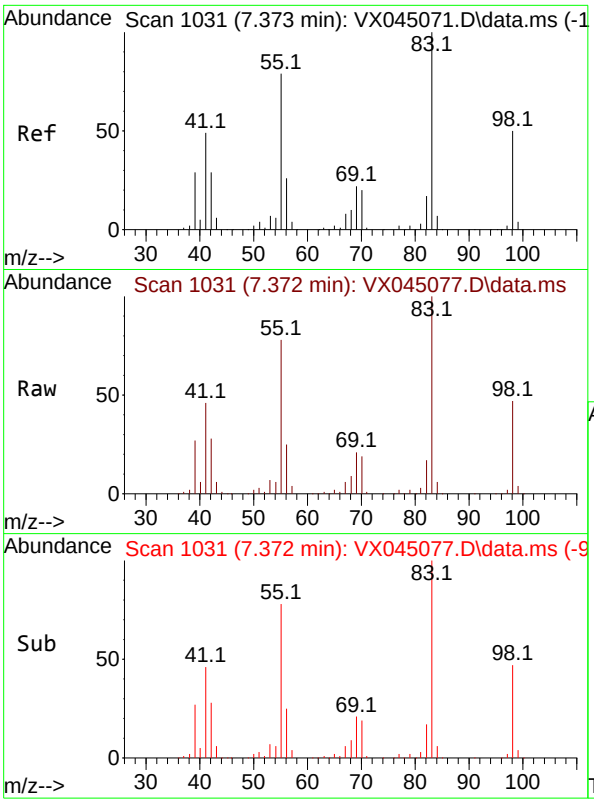


#38
Carbon Tetrachloride
Concen: 49.318 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:117 Resp: 90184

Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.7	115.1
121	32.0	25.5	38.3

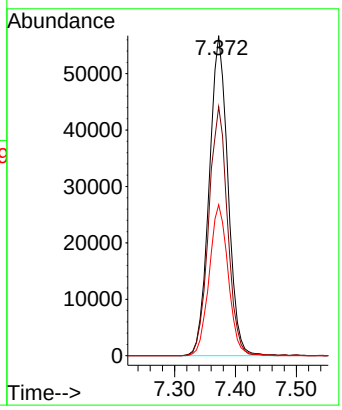




#39
Methylcyclohexane
Concen: 56.161 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 83 Resp: 12120

Ion	Ratio	Lower	Upper
83	100		
55	77.8	63.0	94.4
98	47.2	39.7	59.5



Instrument :
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ClientSampleId :
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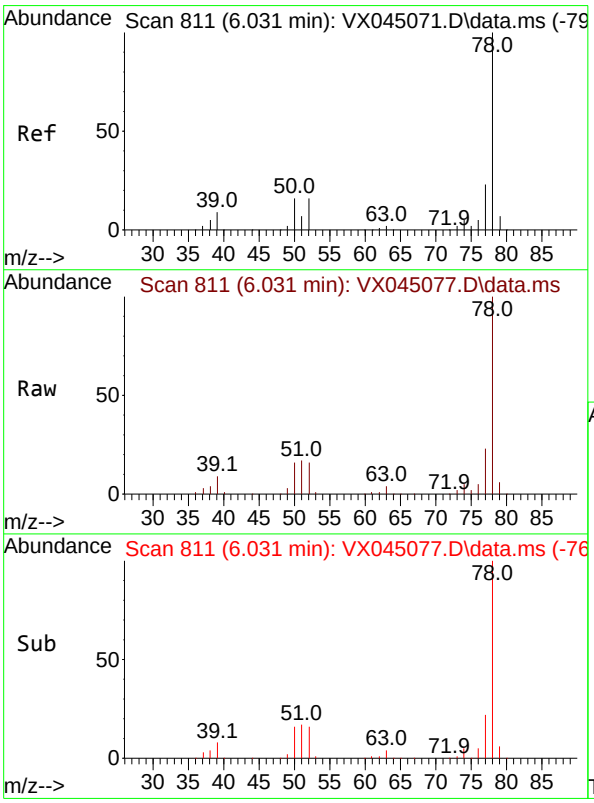
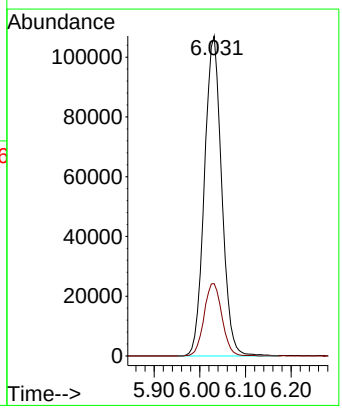
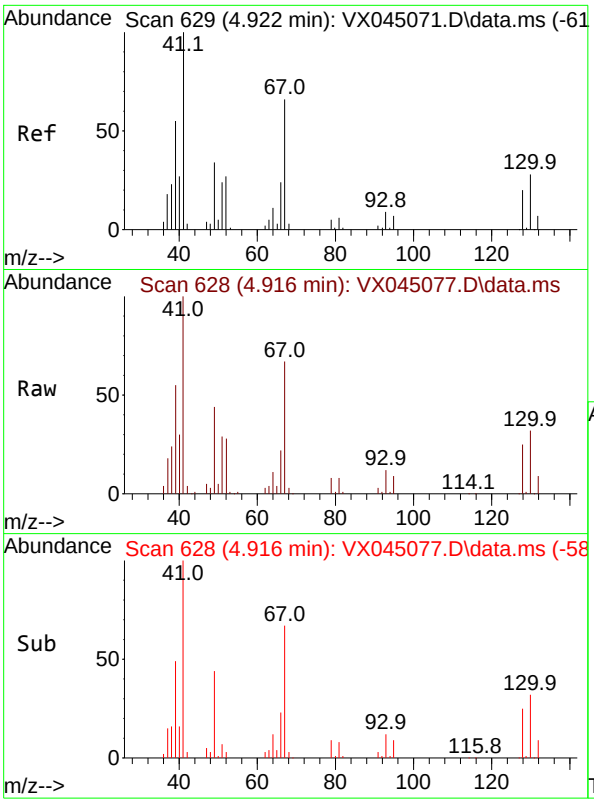


#40
Benzene
Concen: 49.480 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 78 Resp: 281425

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.8	28.2

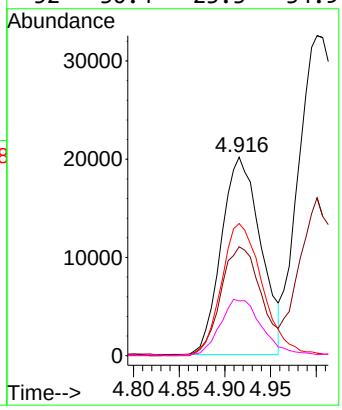




#41
Methacrylonitrile
Concen: 48.126 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 41 Resp: 6039

Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.6	67.0
67	69.8	53.9	80.9
52	30.4	23.3	34.9



Instrument :
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ClientSampleId :
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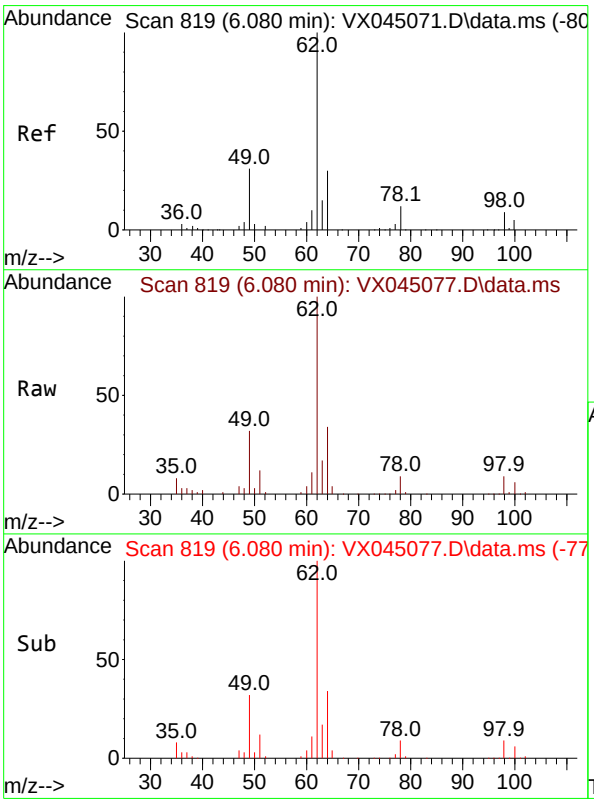
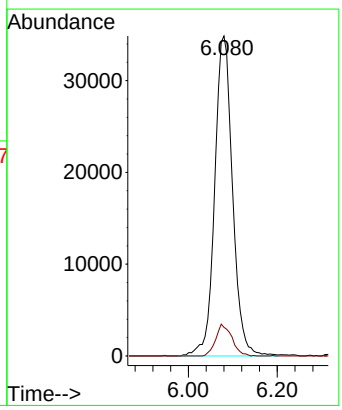
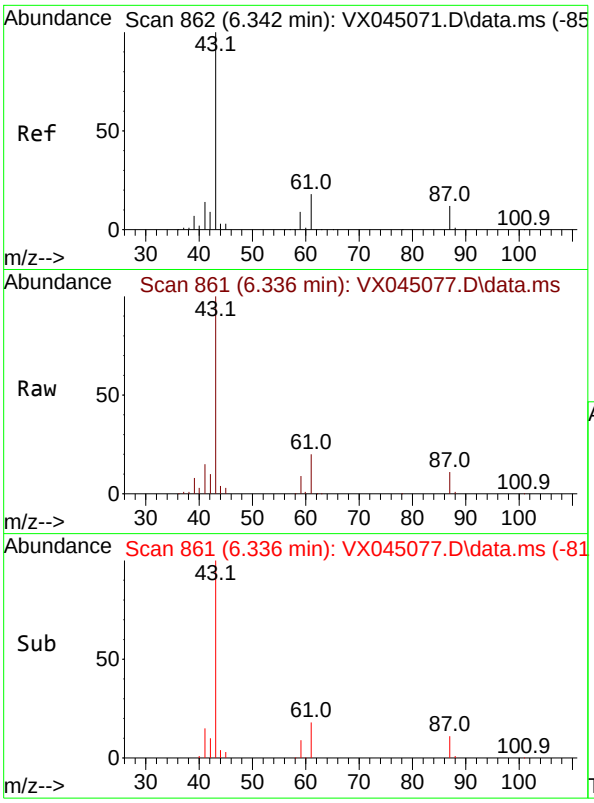


#42
1,2-Dichloroethane
Concen: 47.405 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 62 Resp: 97091

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43
Isopropyl Acetate
Concen: 50.139 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 17207

Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	11.8	9.4	14.2

Instrument :
MSVOA_X
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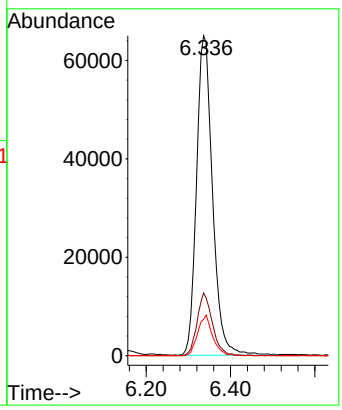
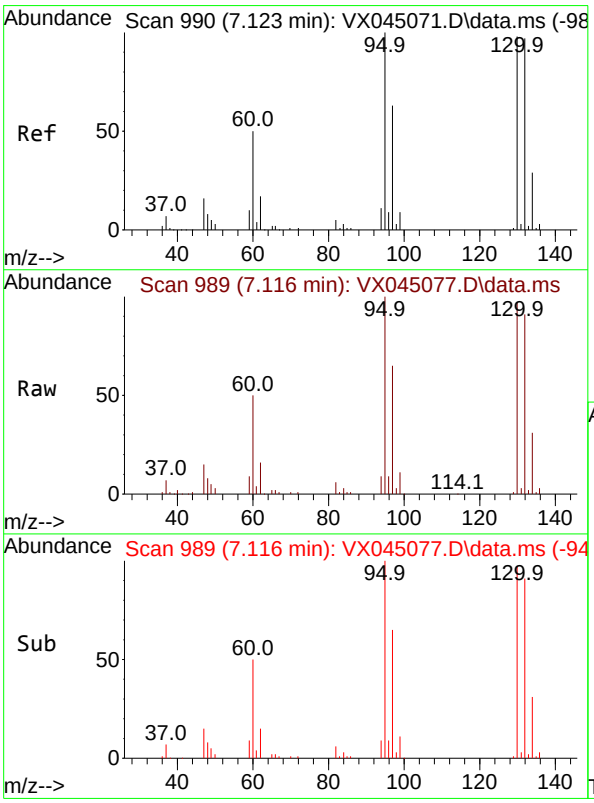
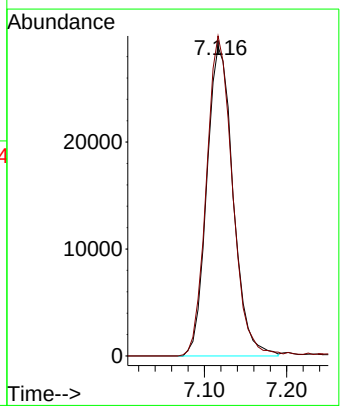


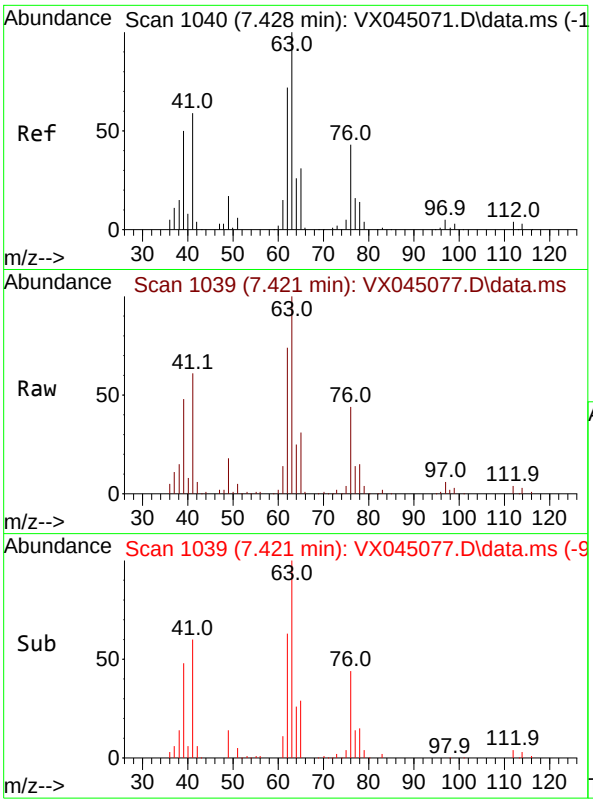


#44
Trichloroethene
Concen: 48.221 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:130 Resp: 64399

Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	205.0

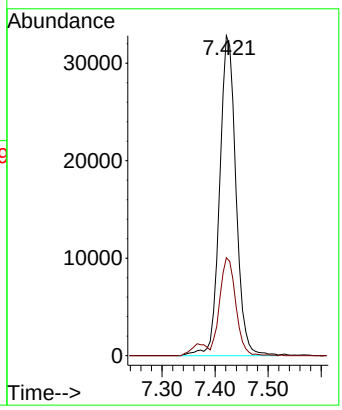




#45
1,2-Dichloropropane
Concen: 48.028 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 63 Resp: 7023

Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.7	37.1



Instrument :
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ClientSampleId :
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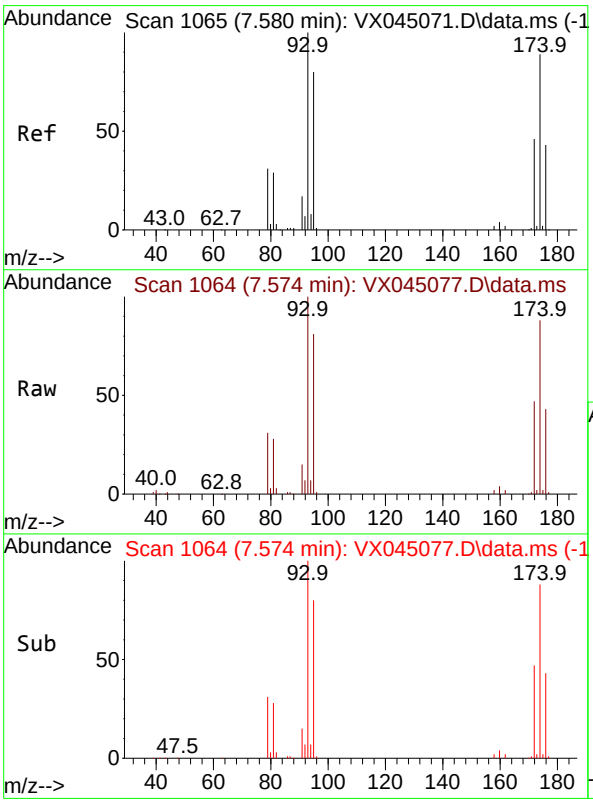
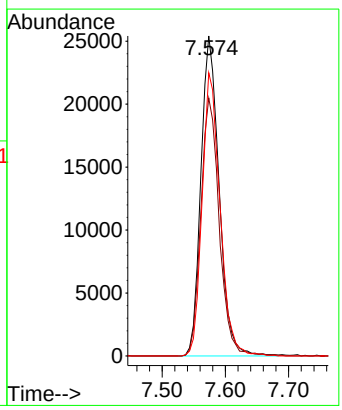
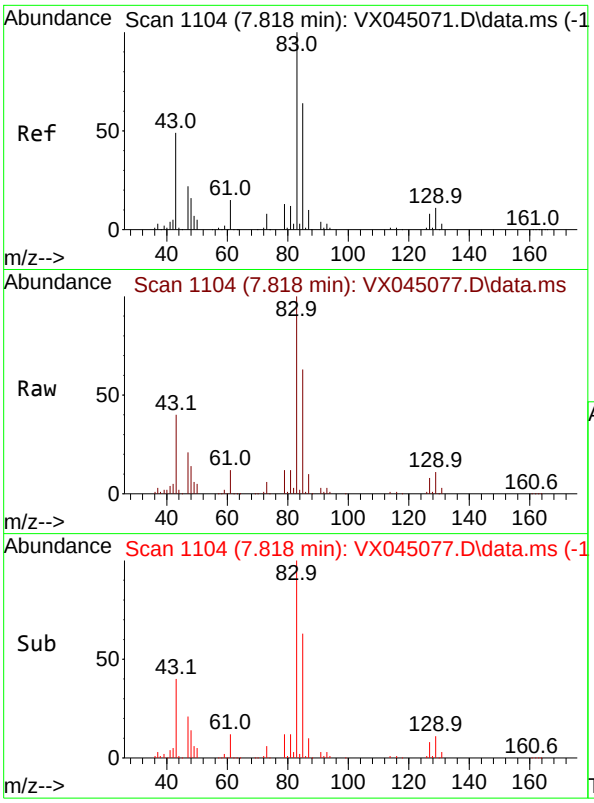


#46
Dibromomethane
Concen: 49.300 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 93 Resp: 50957

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.8	98.8
174	87.1	72.2	108.2

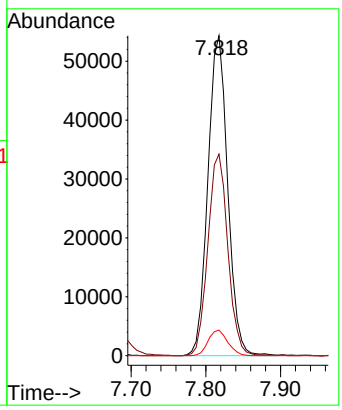




#47
Bromodichloromethane
Concen: 49.243 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 83 Resp: 9983

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	8.0	6.4	9.6



Instrument :
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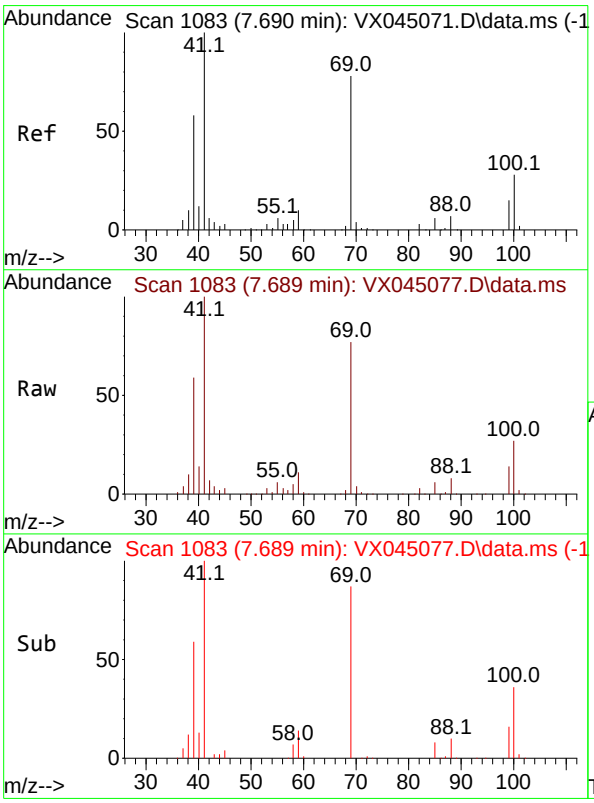
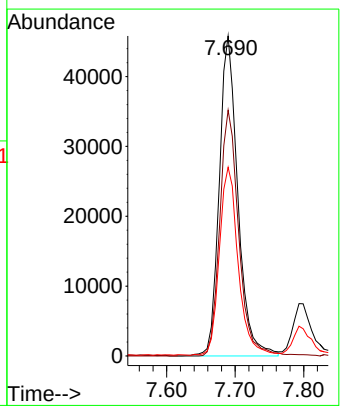
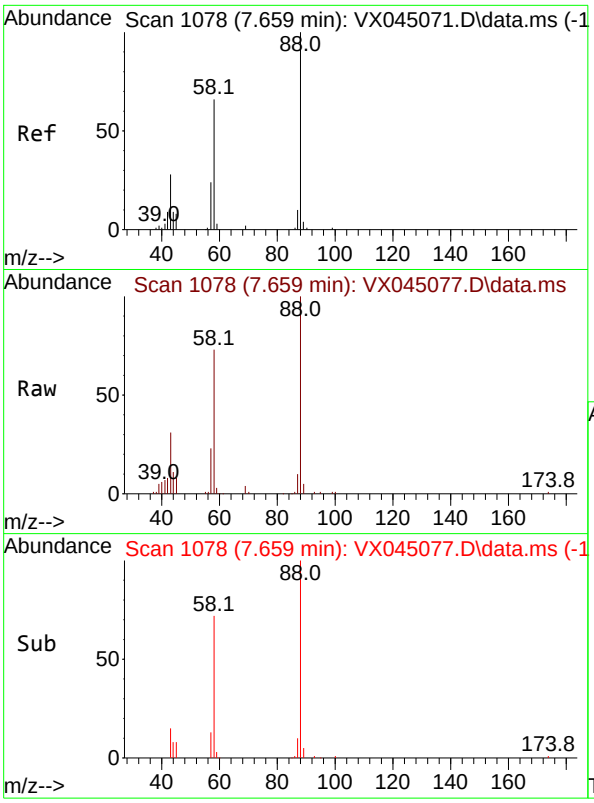


#48
Methyl methacrylate
Concen: 50.032 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 41 Resp: 86144

Ion	Ratio	Lower	Upper
41	100		
69	78.3	63.0	94.6
39	59.5	47.5	71.3

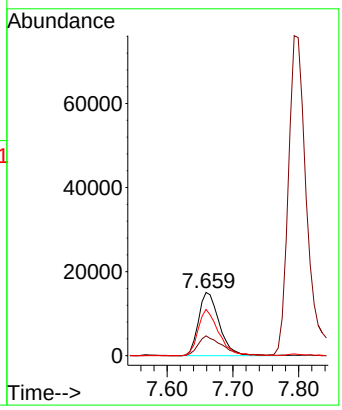




#49
1,4-Dioxane
Concen: 912.798 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 88 Resp: 3315

Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.7	43.1
58	72.2	55.8	83.8



Instrument :
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ClientSampleId :
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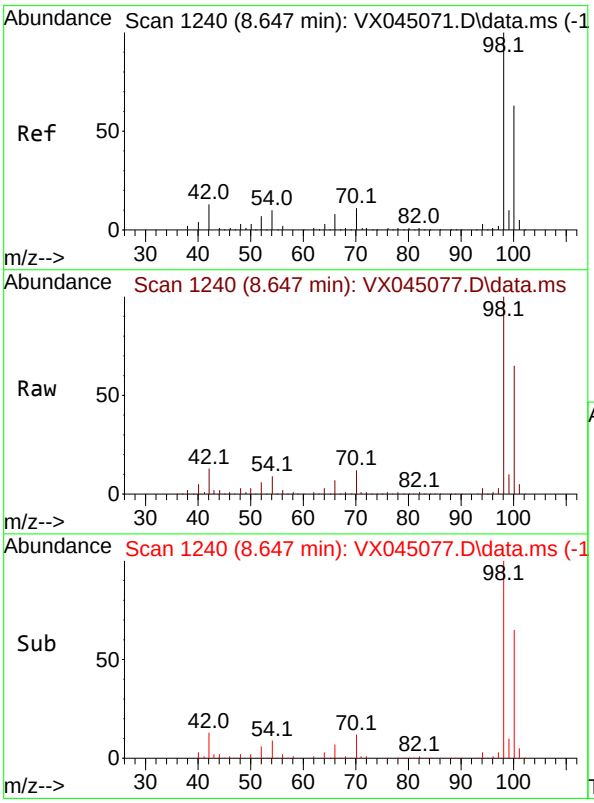
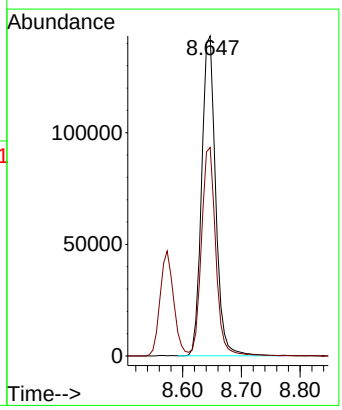
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

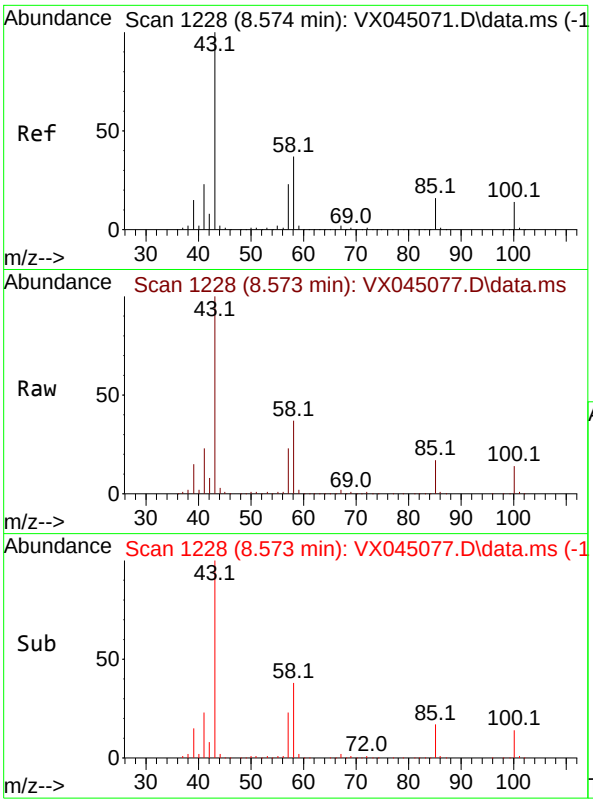


#50
Toluene-d8
Concen: 49.853 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 98 Resp: 237369

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.0	78.0

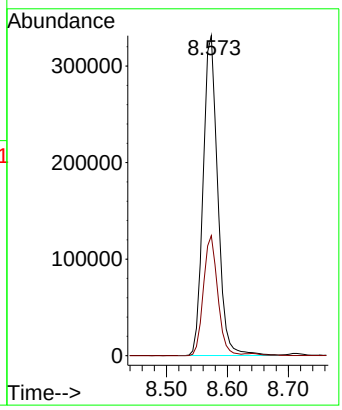




#51
4-Methyl-2-Pentanone
Concen: 240.651 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 55454

Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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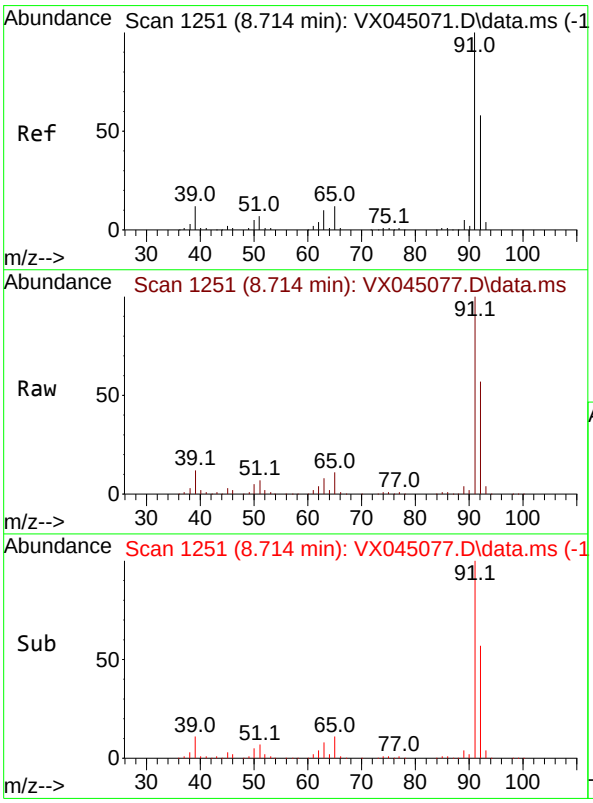
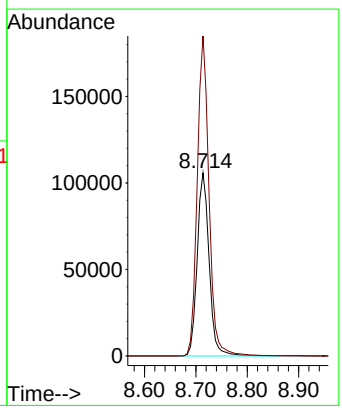
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

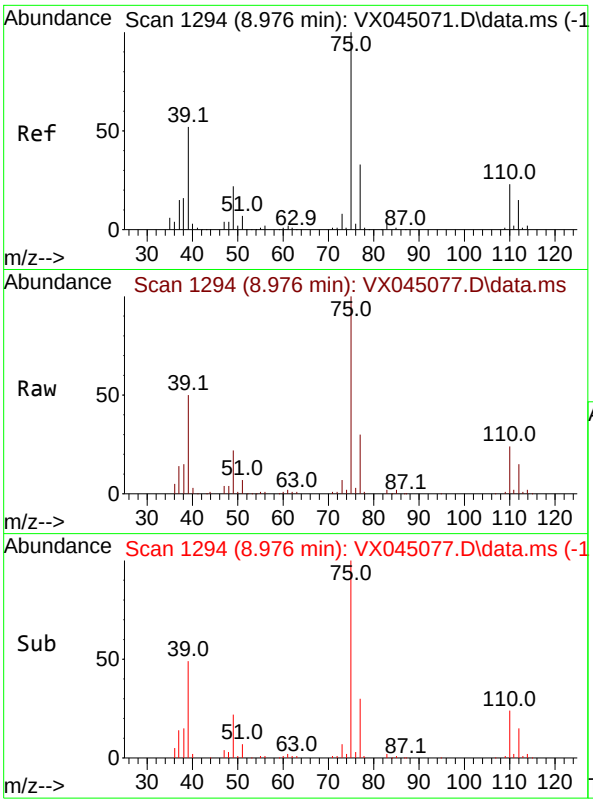


#52
Toluene
Concen: 51.187 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 92 Resp: 170814

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3

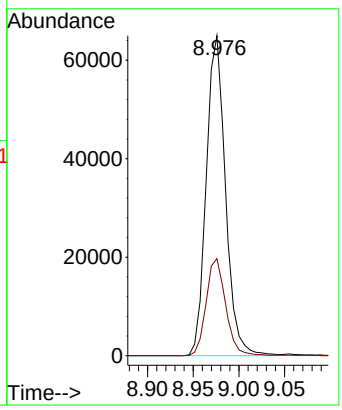




#53
t-1,3-Dichloropropene
Concen: 55.975 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 9487

Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.5	39.7



Instrument :
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ClientSampleId :
VSTDCCC050

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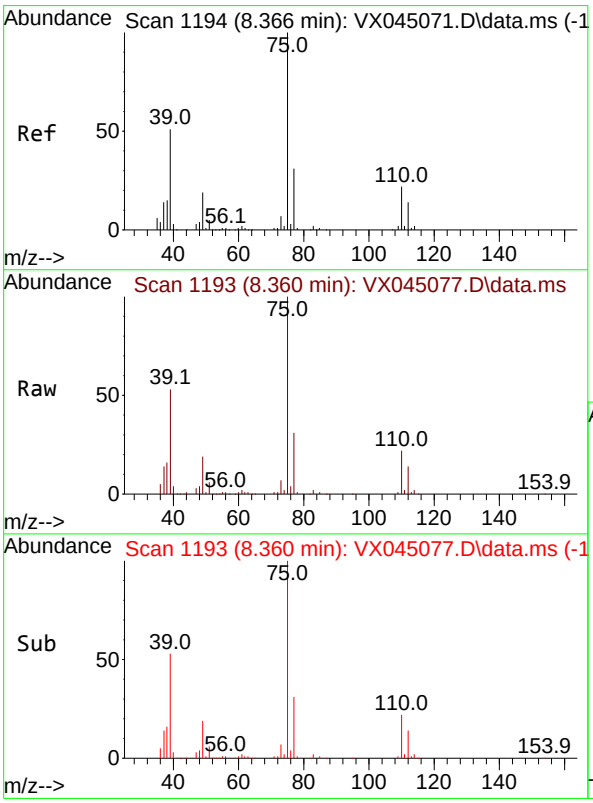
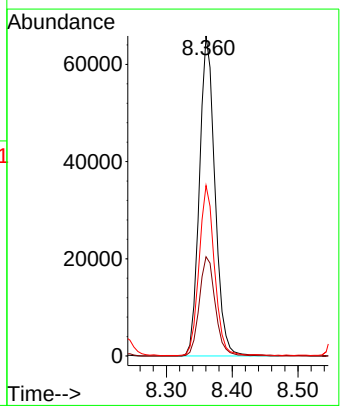
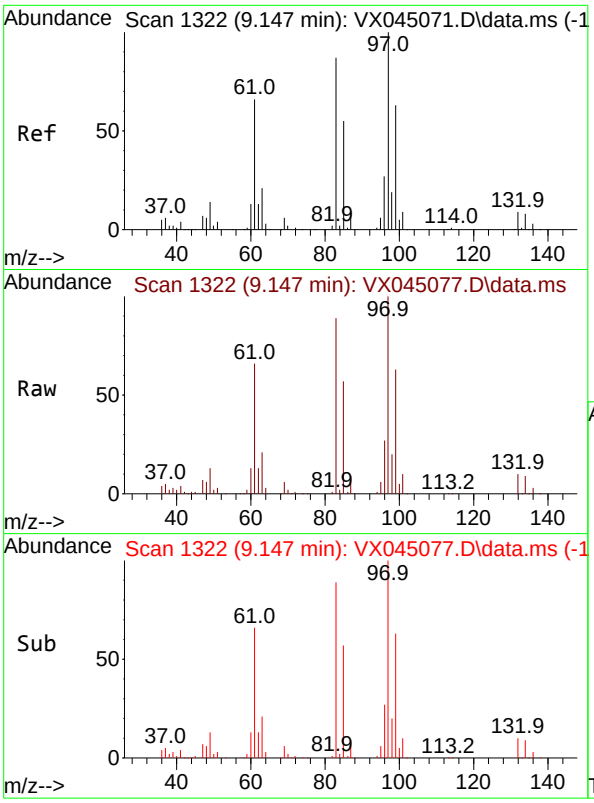


#54
cis-1,3-Dichloropropene
Concen: 54.755 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 108220

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.7	37.1
39	53.1	40.7	61.1

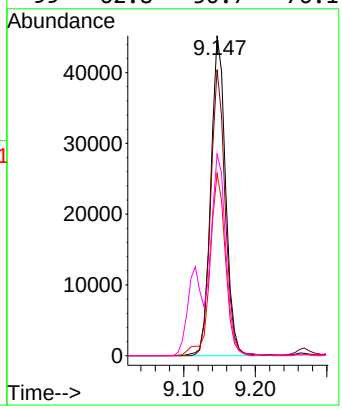




#55
1,1,2-Trichloroethane
Concen: 47.245 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 97 Resp: 6490

Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.4	104.2
85	57.0	44.1	66.1
99	62.8	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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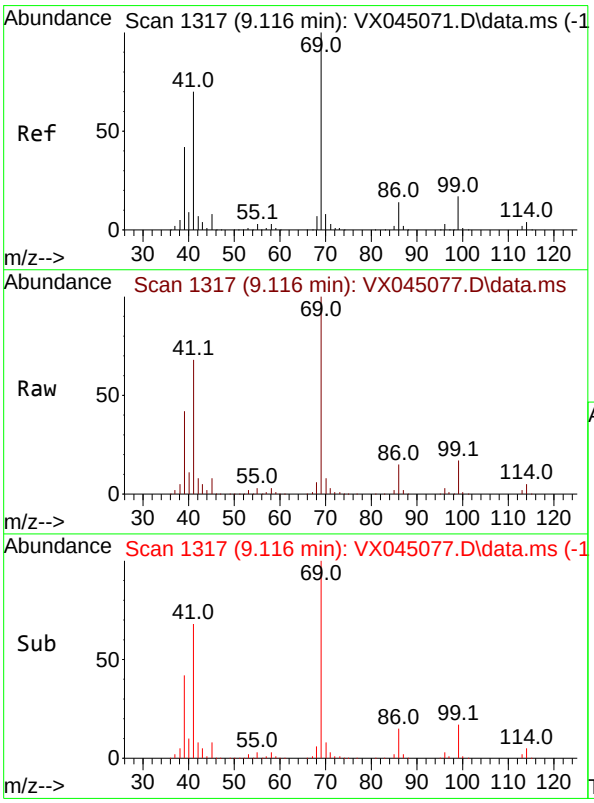
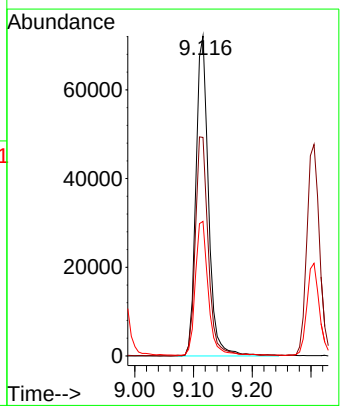
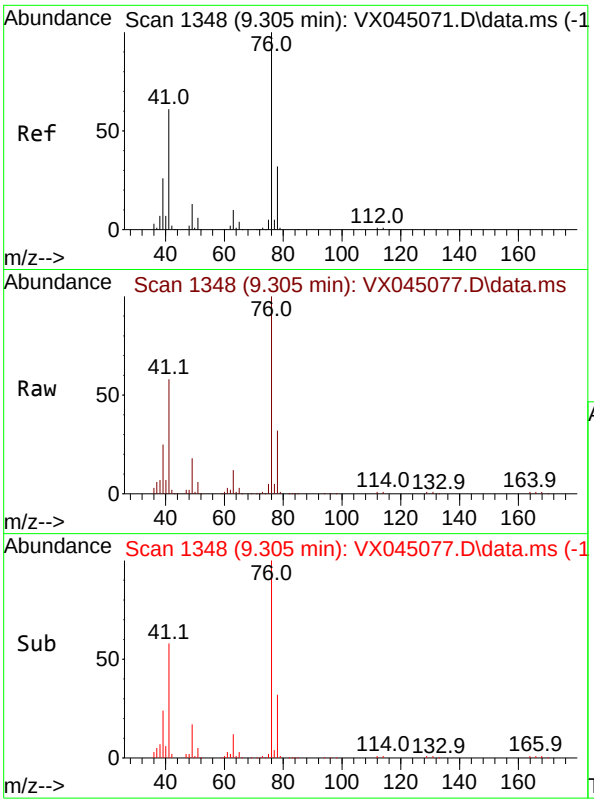


#56
Ethyl methacrylate
Concen: 51.537 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 69 Resp: 107621

Ion	Ratio	Lower	Upper
69	100		
41	70.8	57.0	85.4
39	43.0	34.2	51.4

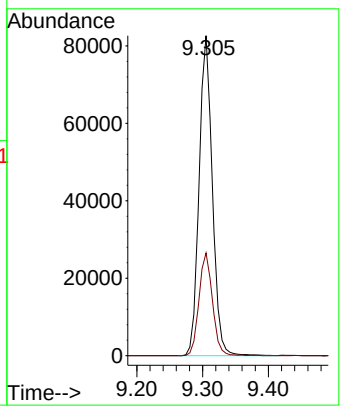




#57
1,3-Dichloropropane
Concen: 48.576 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 76 Resp: 11548

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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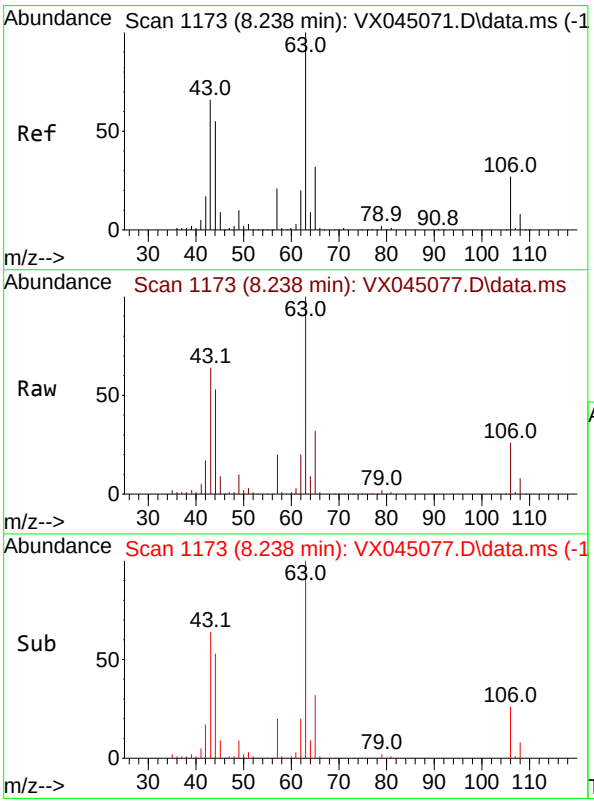
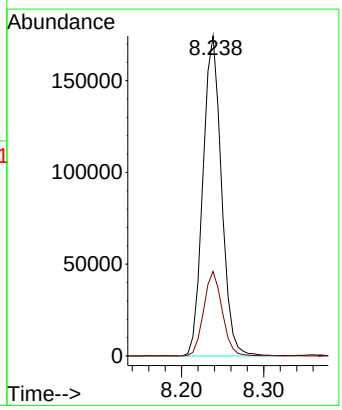
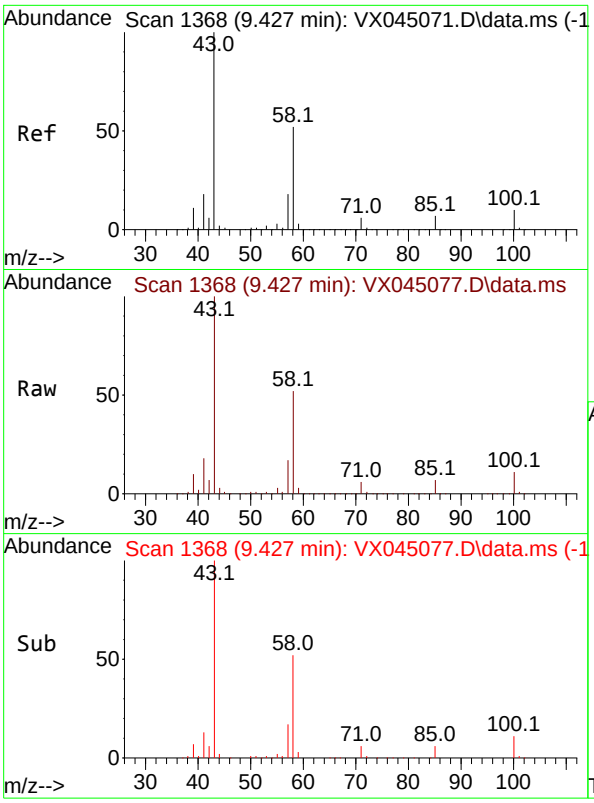


#58
2-Chloroethyl Vinyl ether
Concen: 268.530 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 63 Resp: 273540

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.5	32.3

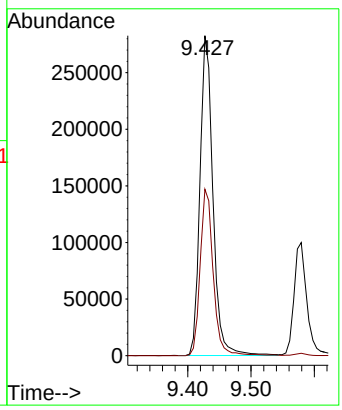




#59
2-Hexanone
Concen: 241.811 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 40372

Ion	Ratio	Lower	Upper
43	100		
58	52.4	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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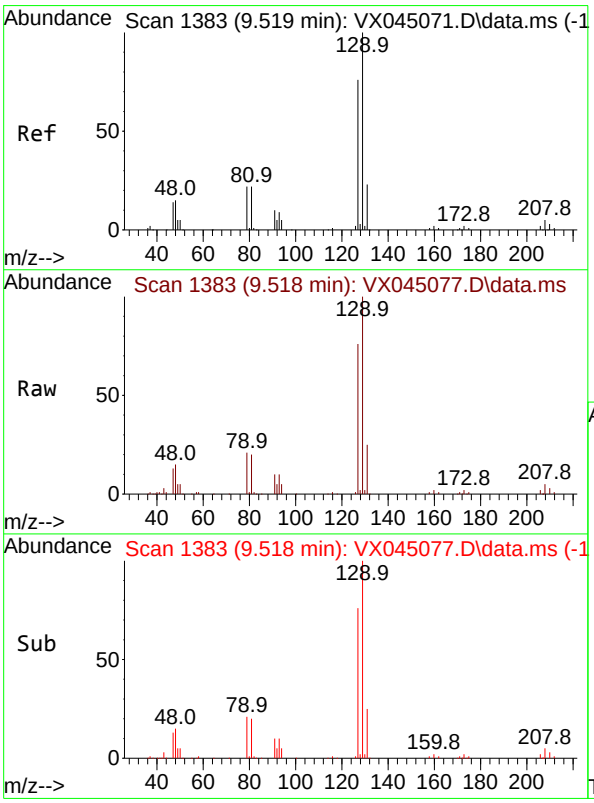
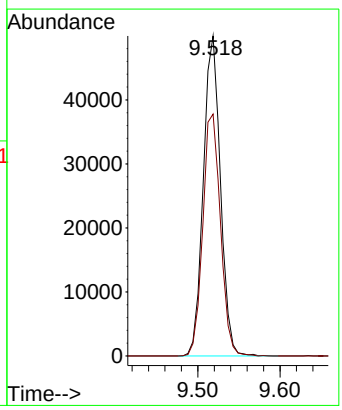
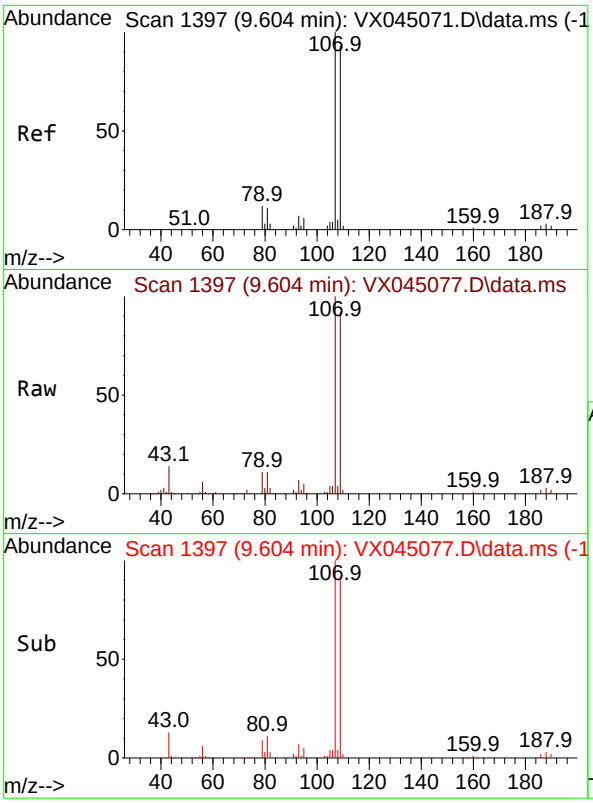


#60
Dibromochloromethane
Concen: 50.220 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:129 Resp: 72136

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.5	115.5

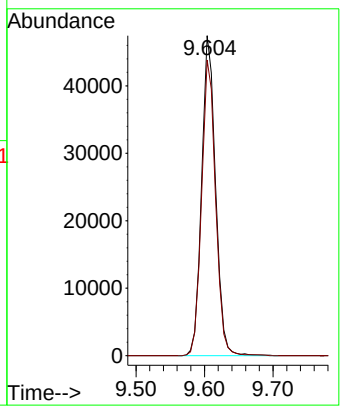




#61
1,2-Dibromoethane
Concen: 48.992 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:107 Resp: 6719

Ion	Ratio	Lower	Upper
107	100		
109	92.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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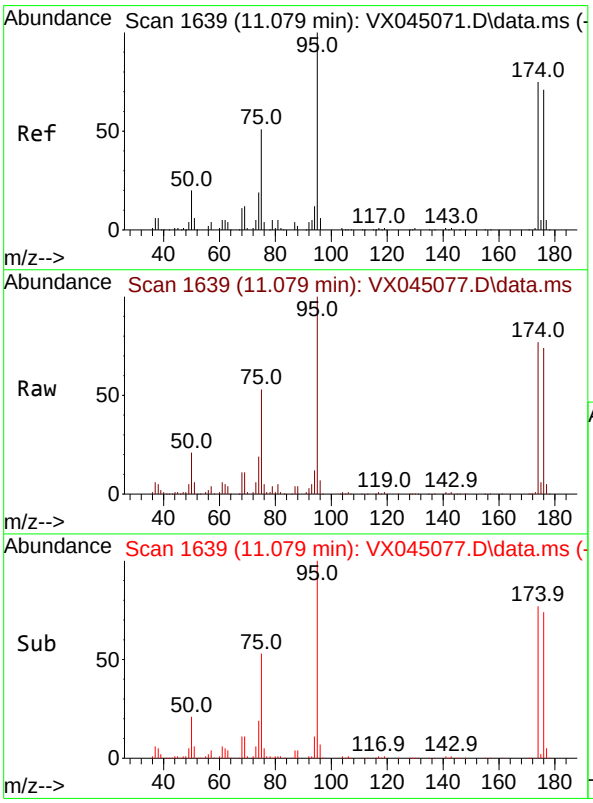
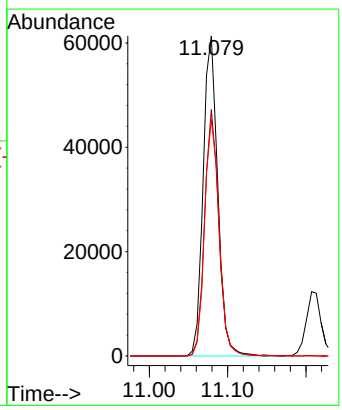
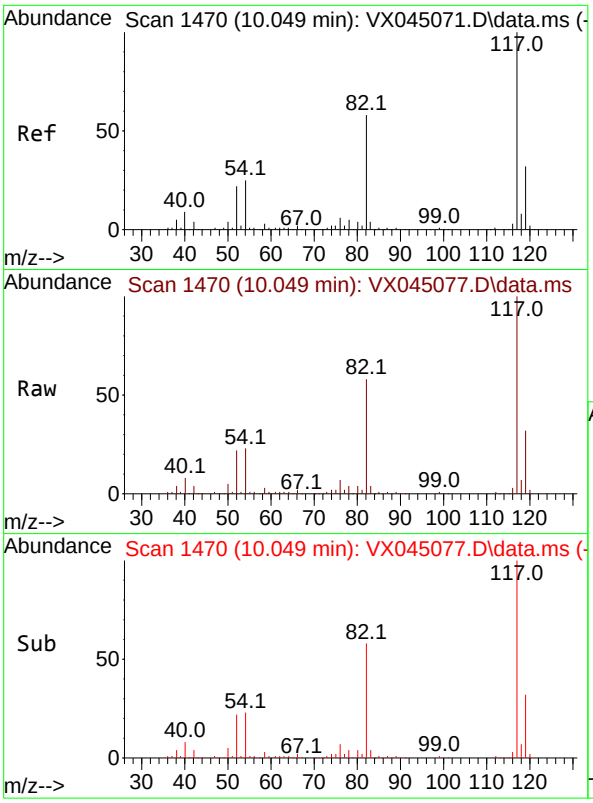


#62
4-Bromofluorobenzene
Concen: 50.332 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 95 Resp: 79413

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	148.2
176	73.4	0.0	141.4

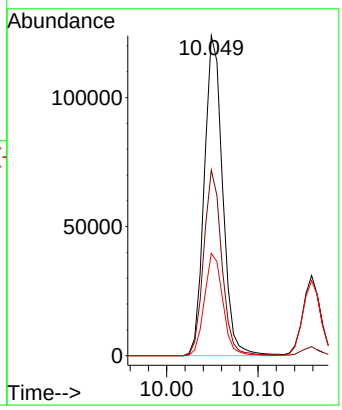




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:117 Resp: 17236

Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.3	69.5
119	32.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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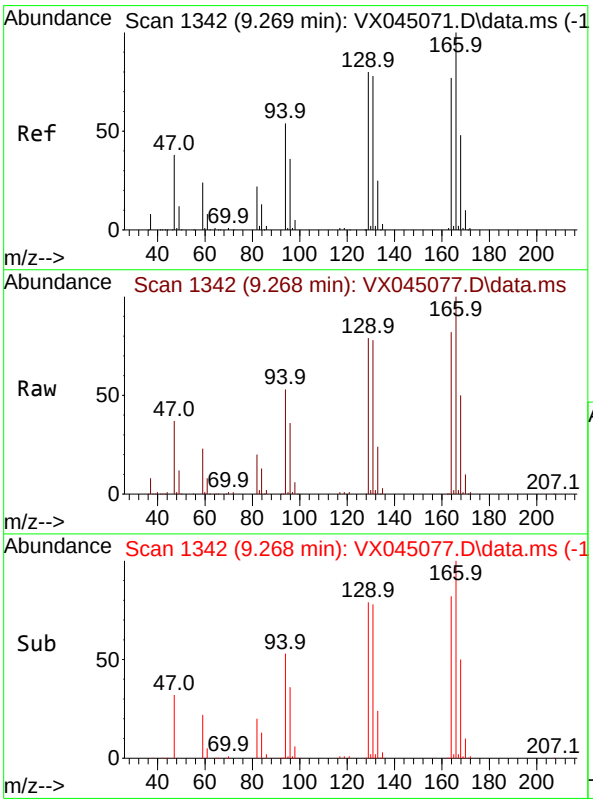
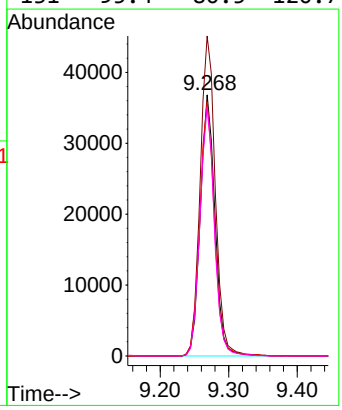
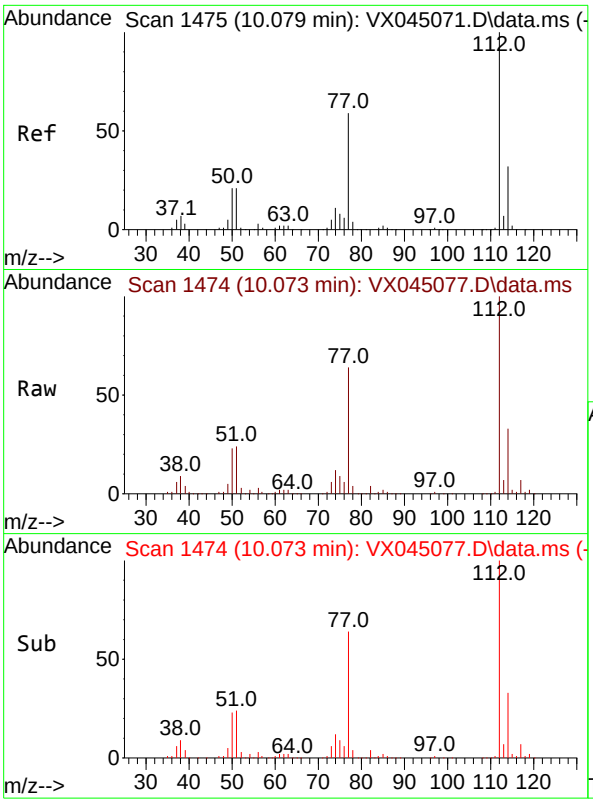


#64
Tetrachloroethene
Concen: 49.741 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:164 Resp: 54912

Ion	Ratio	Lower	Upper
164	100		
166	122.5	103.6	155.4
129	97.4	82.7	124.1
131	95.4	80.5	120.7

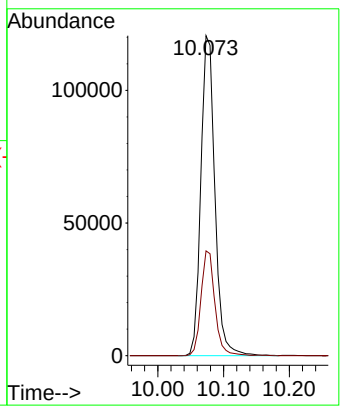




#65
Chlorobenzene
Concen: 49.093 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:112 Resp: 17905

Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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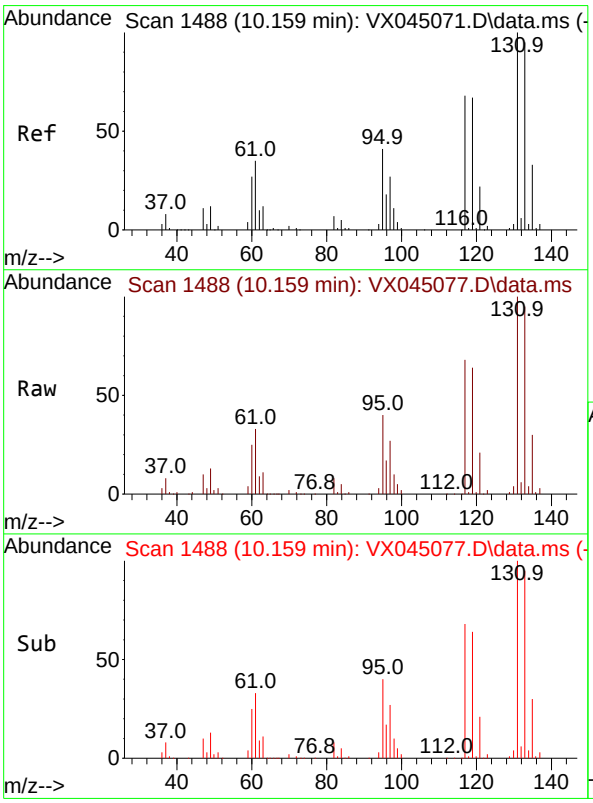
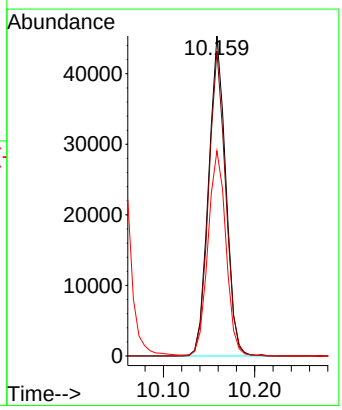
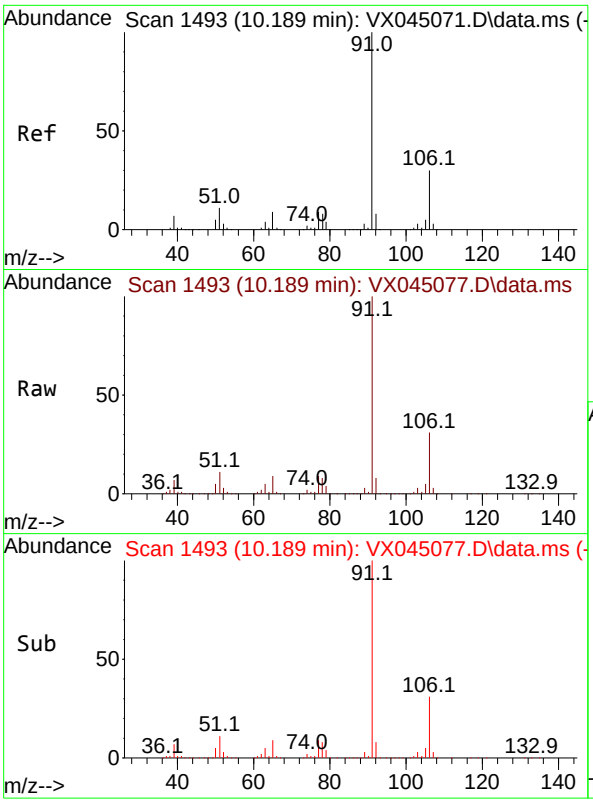


#66
1,1,1,2-Tetrachloroethane
Concen: 48.762 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:131 Resp: 59227

Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.6	145.9
119	66.8	33.9	101.7





#67
Ethyl Benzene
Concen: 50.959 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 91 Resp: 32385

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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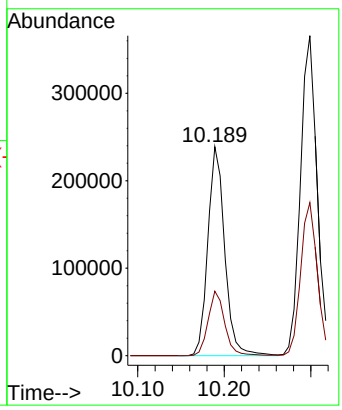
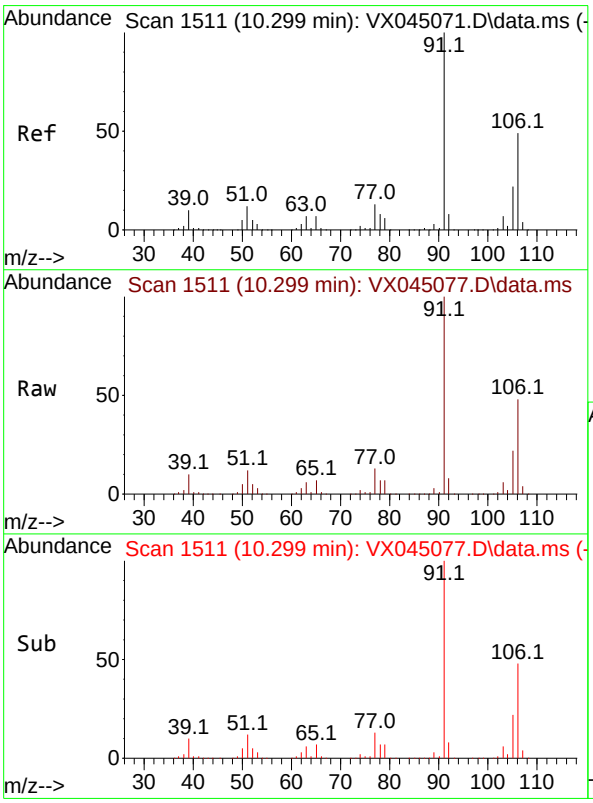
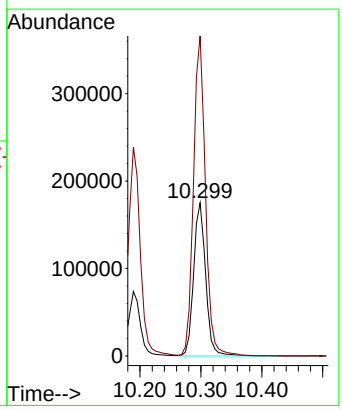


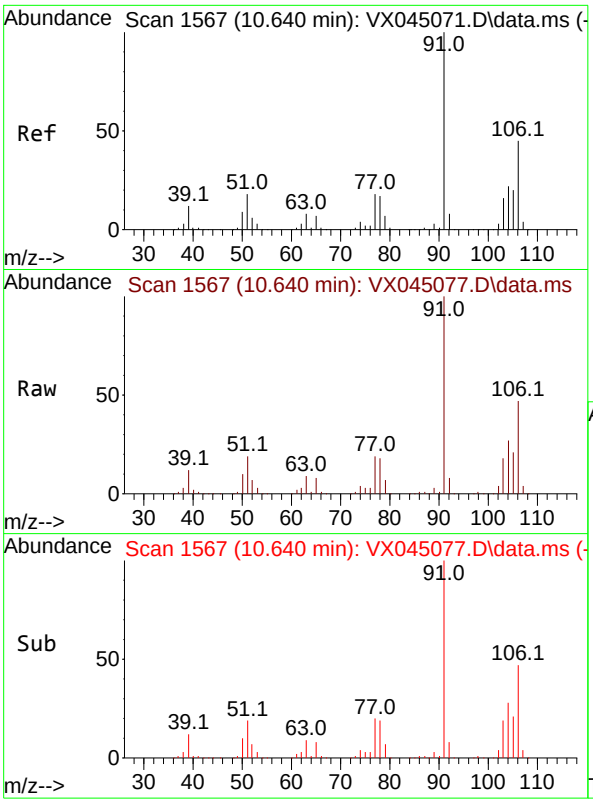


#68
m/p-Xylenes
Concen: 102.789 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:106 Resp: 239135

Ion	Ratio	Lower	Upper
106	100		
91	208.3	165.4	248.0

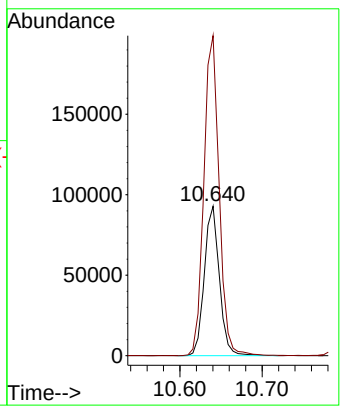




#69
o-Xylene
Concen: 50.318 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:106 Resp: 11806

Ion	Ratio	Lower	Upper
106	100		
91	217.0	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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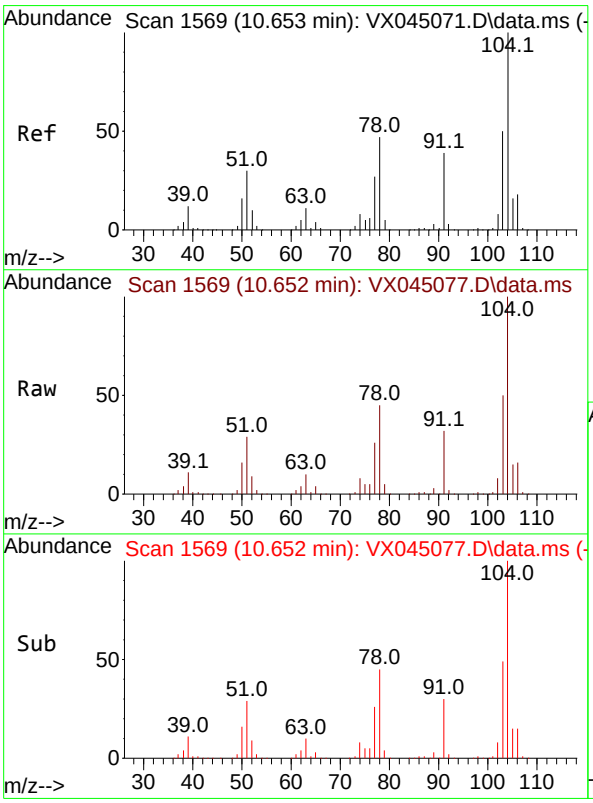
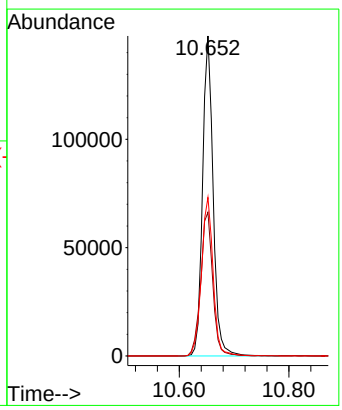
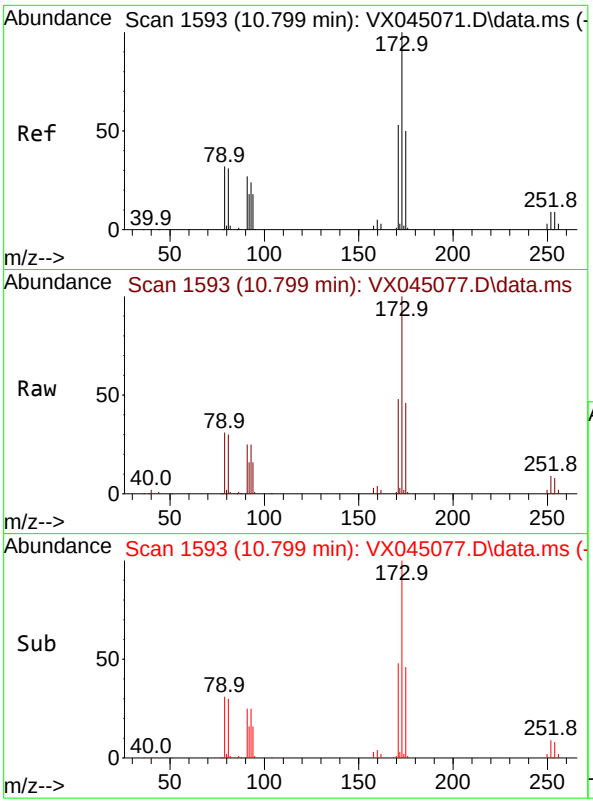


#70
Styrene
Concen: 51.891 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:104 Resp: 197009

Ion	Ratio	Lower	Upper
104	100		
78	51.2	42.2	63.4
103	55.1	43.8	65.8

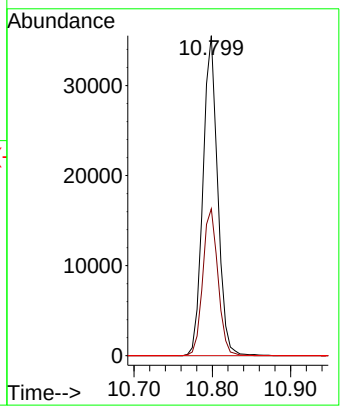




#71
Bromoform
Concen: 50.513 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:173 Resp: 4626

Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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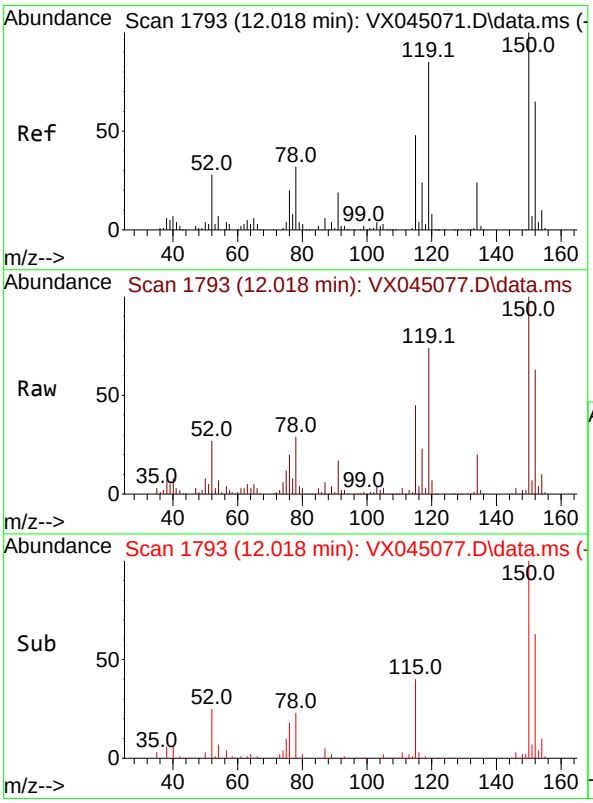
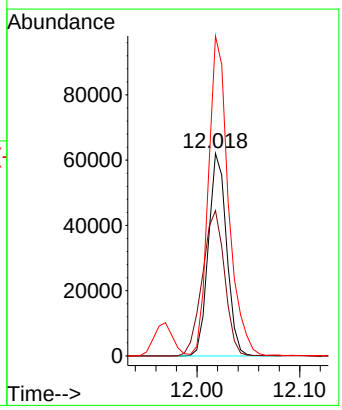
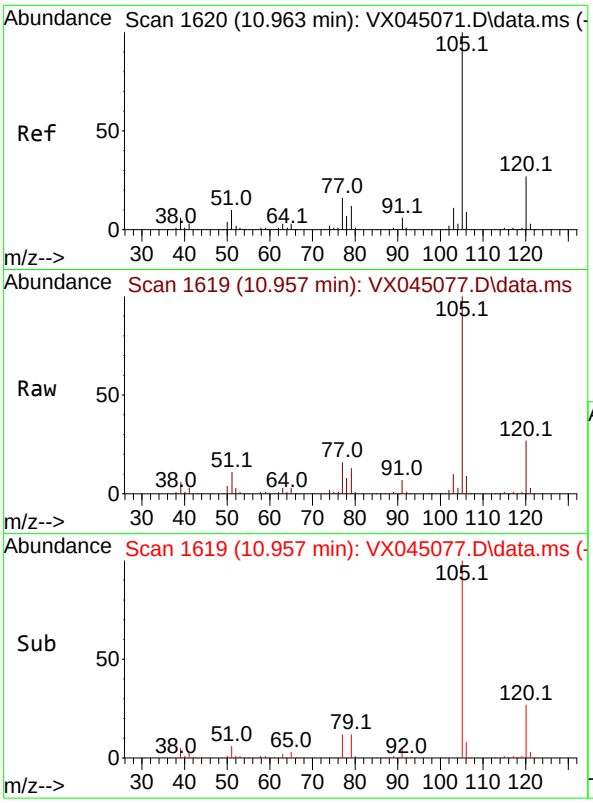


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:152 Resp: 76314

Ion	Ratio	Lower	Upper
152	100		
115	87.8	44.2	132.6
150	174.2	0.0	349.0

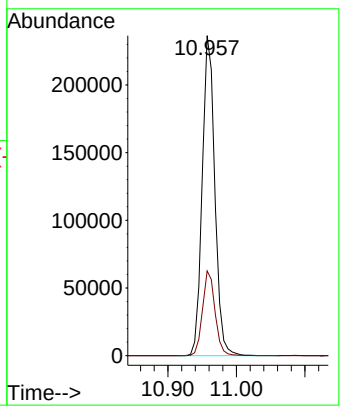




#73
Isopropylbenzene
Concen: 50.901 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:105 Resp: 30319

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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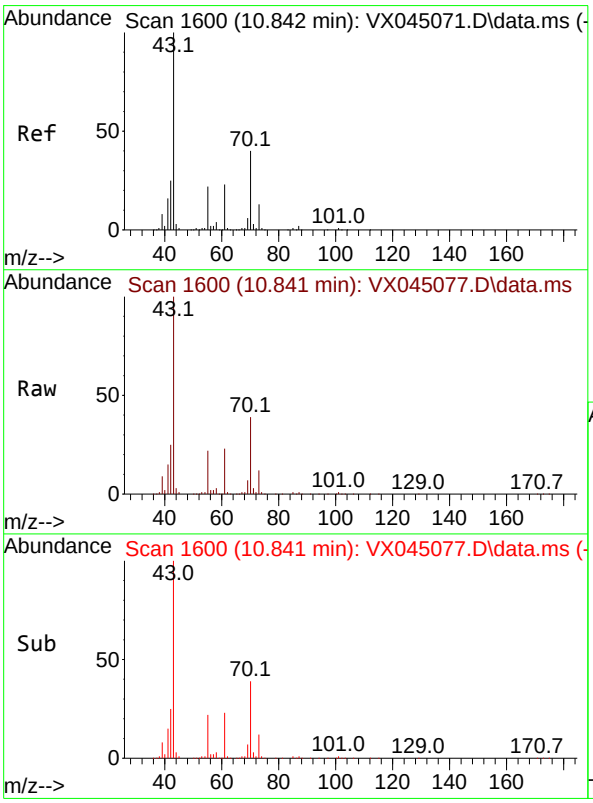
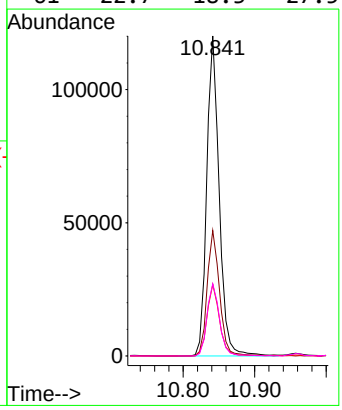
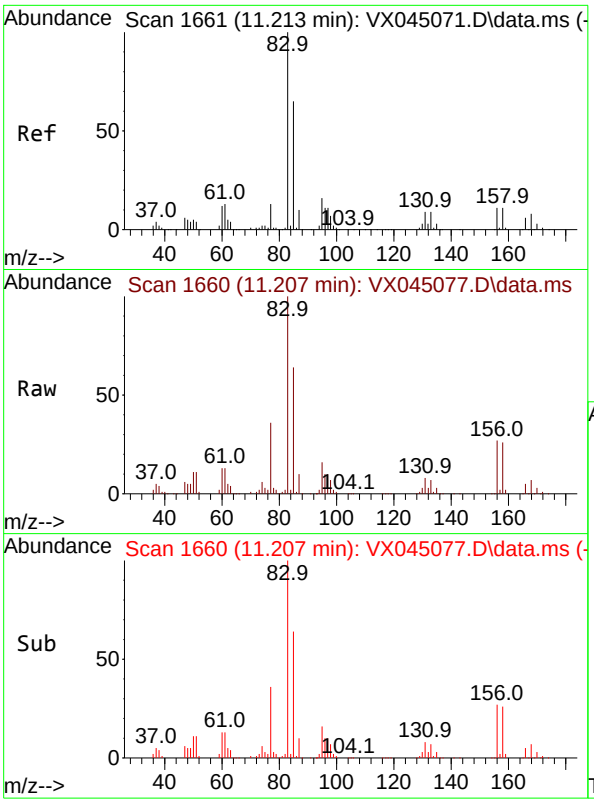


#74
N-amyl acetate
Concen: 51.942 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 145178

Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.8	47.6
55	22.5	18.3	27.5
61	22.7	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 46.579 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 83 Resp: 10181

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	64.9	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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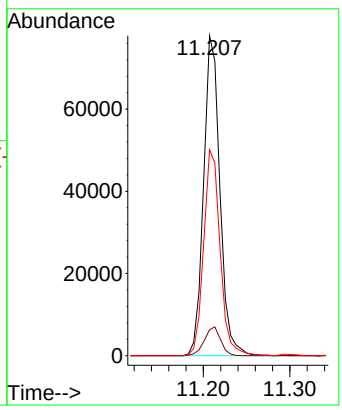
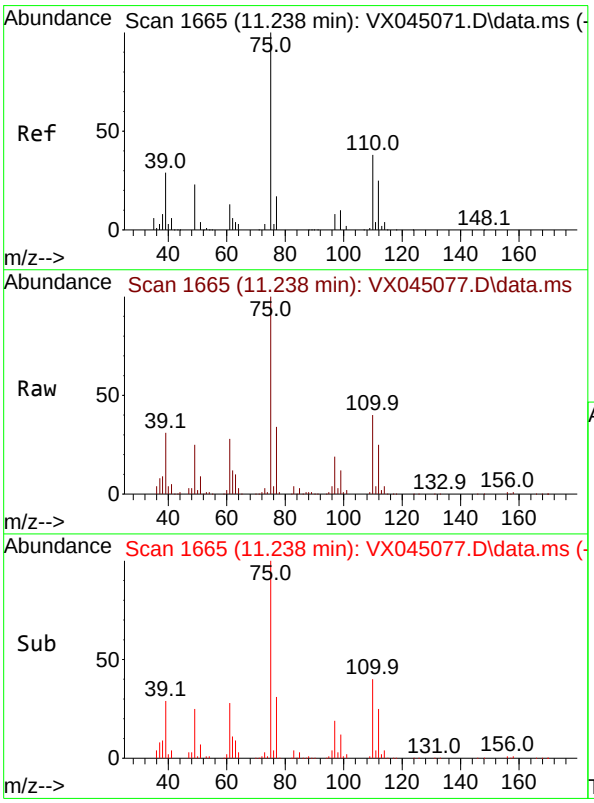
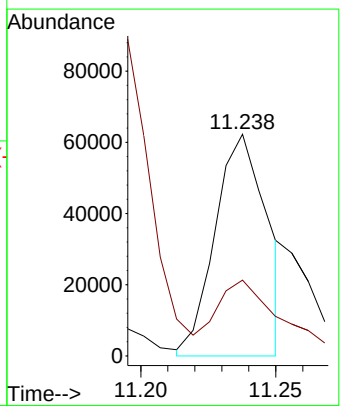


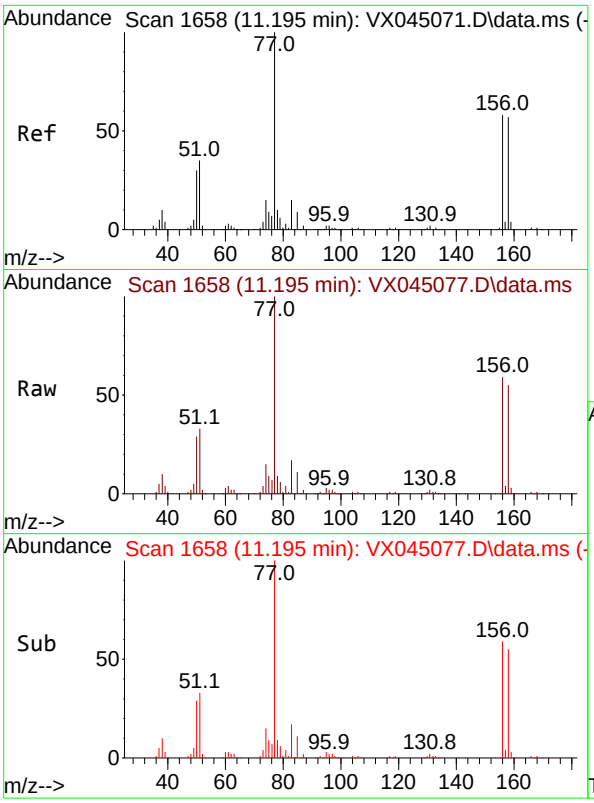


#76
1,2,3-Trichloropropane
Concen: 46.931 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 83360

Ion	Ratio	Lower	Upper
75	100		
77	43.0	20.7	62.1

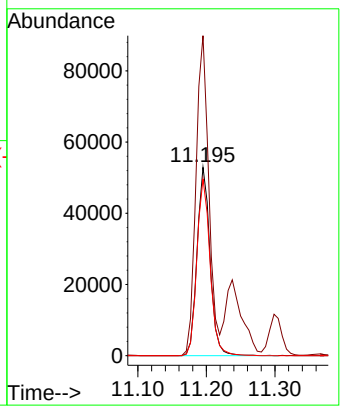




#77
Bromobenzene
Concen: 49.698 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:156 Resp: 6984

Ion	Ratio	Lower	Upper
156	100		
77	168.4	85.8	257.4
158	95.6	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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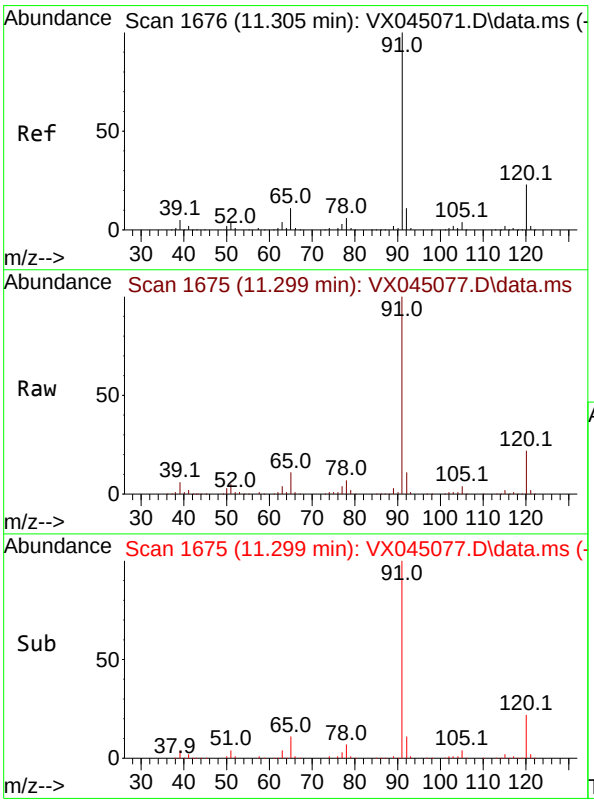
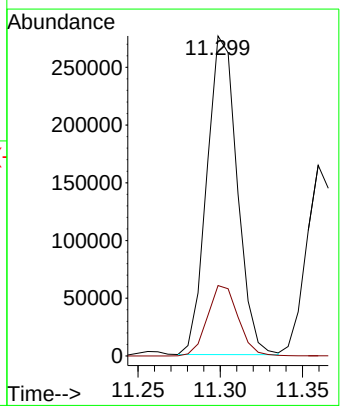
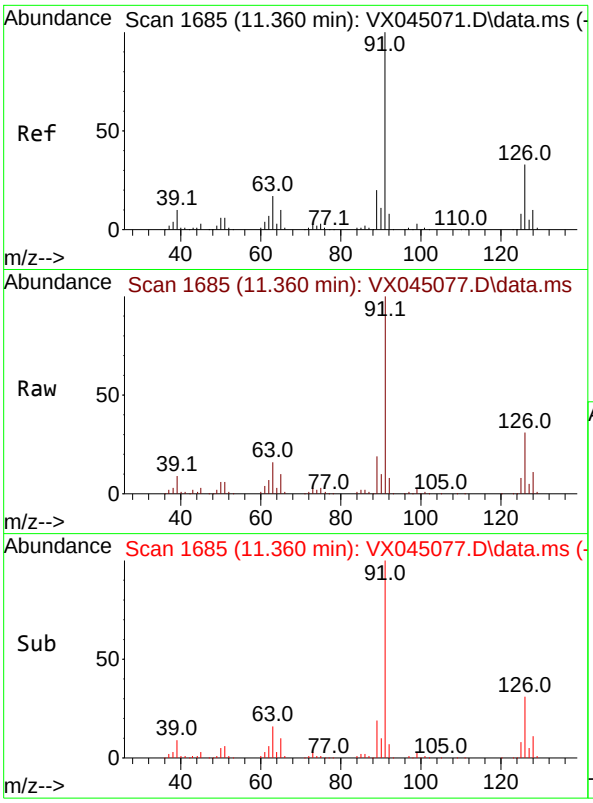


#78
n-propylbenzene
Concen: 52.644 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 91 Resp: 354229

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.6

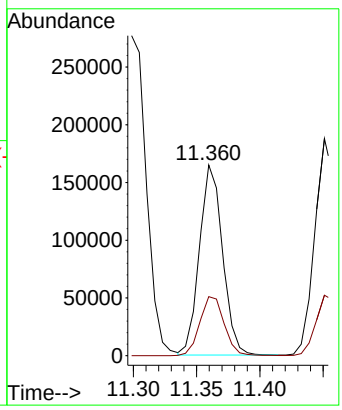




#79
2-Chlorotoluene
Concen: 48.935 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 91 Resp: 20970

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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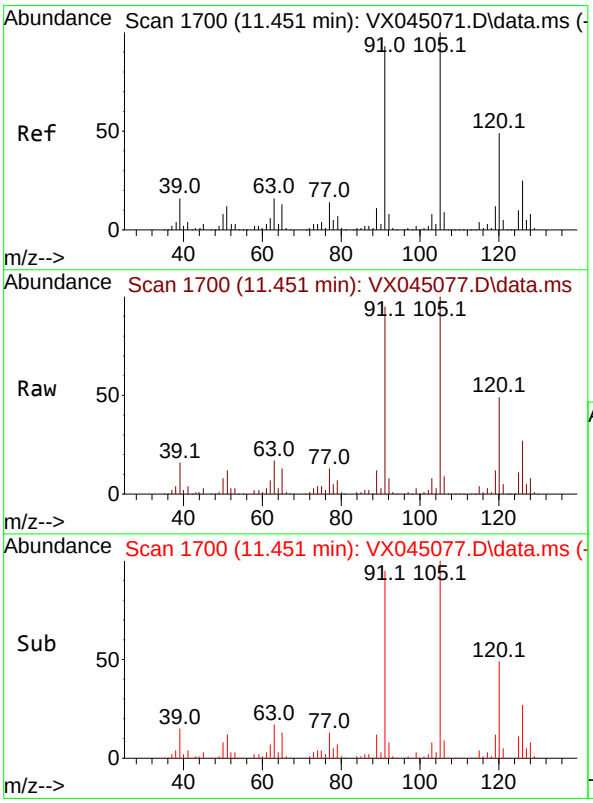
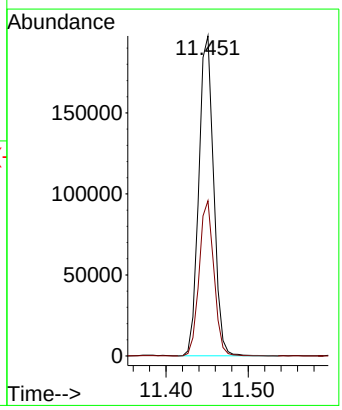
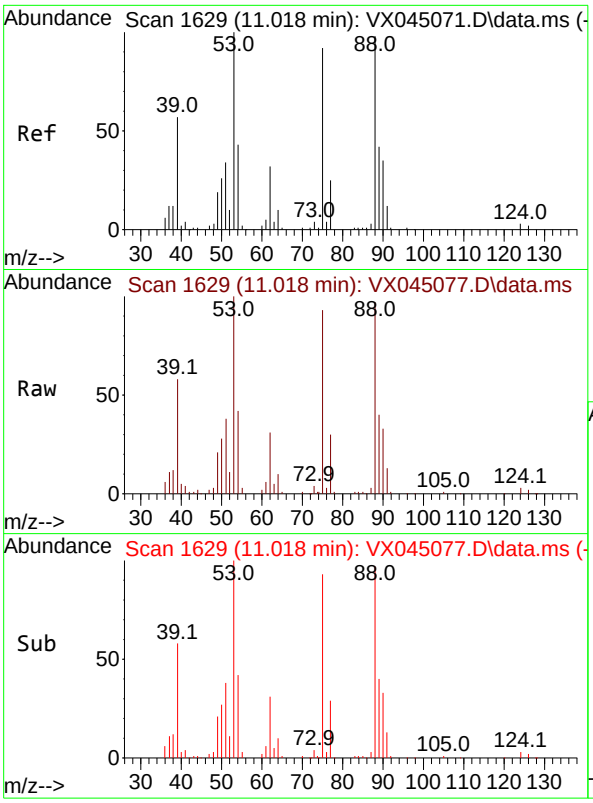


#80
1,3,5-Trimethylbenzene
Concen: 51.381 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:105 Resp: 247465

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.2

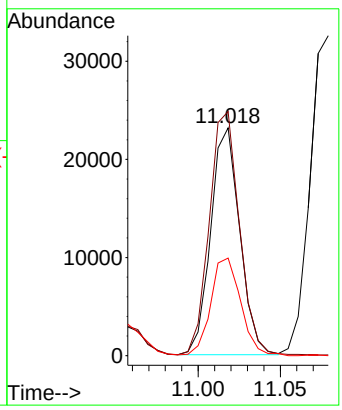




#81
trans-1,4-Dichloro-2-butene
Concen: 54.791 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 2843

Ion	Ratio	Lower	Upper
75	100		
53	112.4	88.5	132.7
89	44.4	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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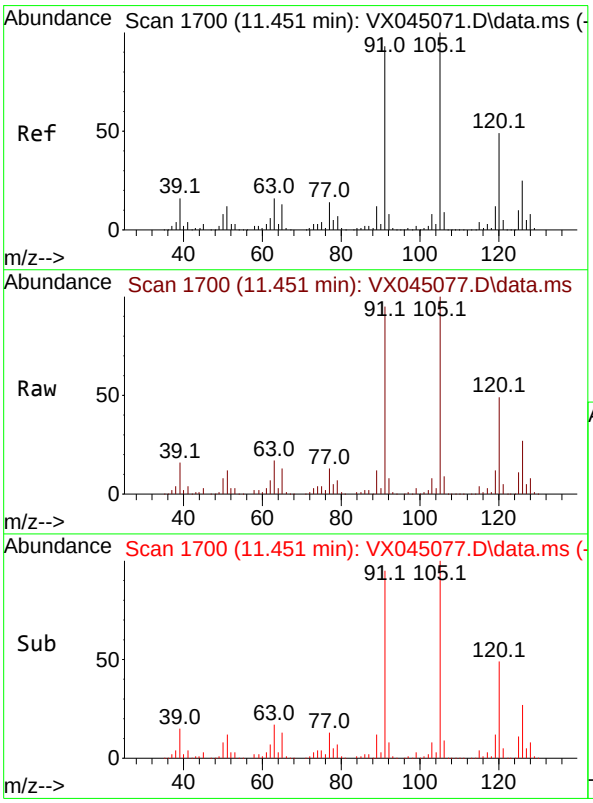
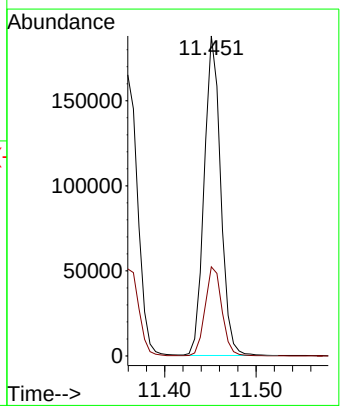
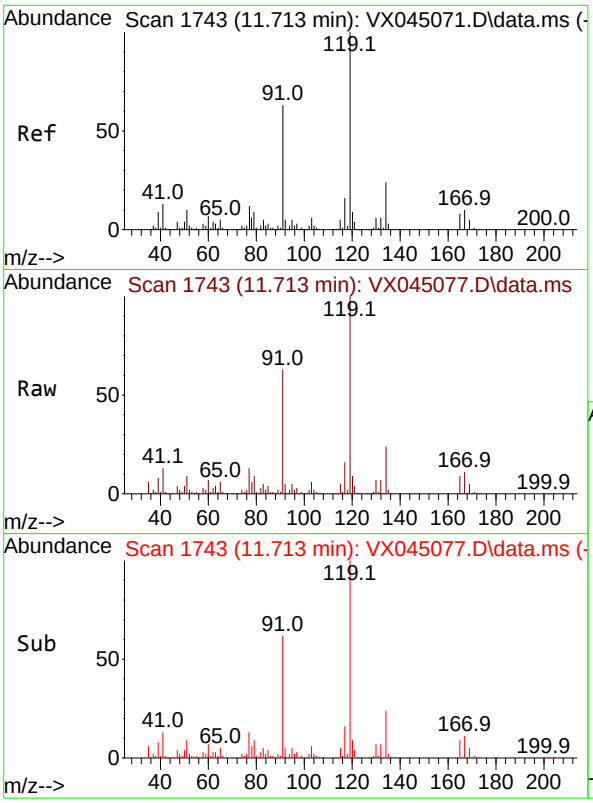


#82
4-Chlorotoluene
Concen: 50.324 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 91 Resp: 235030

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.1	42.4

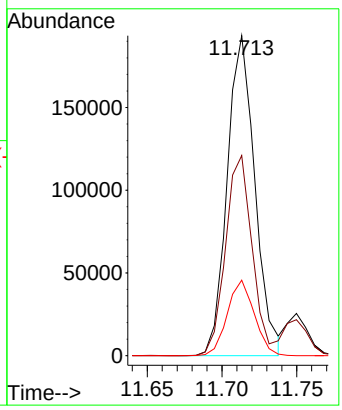




#83
tert-Butylbenzene
Concen: 50.405 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:119 Resp: 24943

Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.7	92.1
134	23.0	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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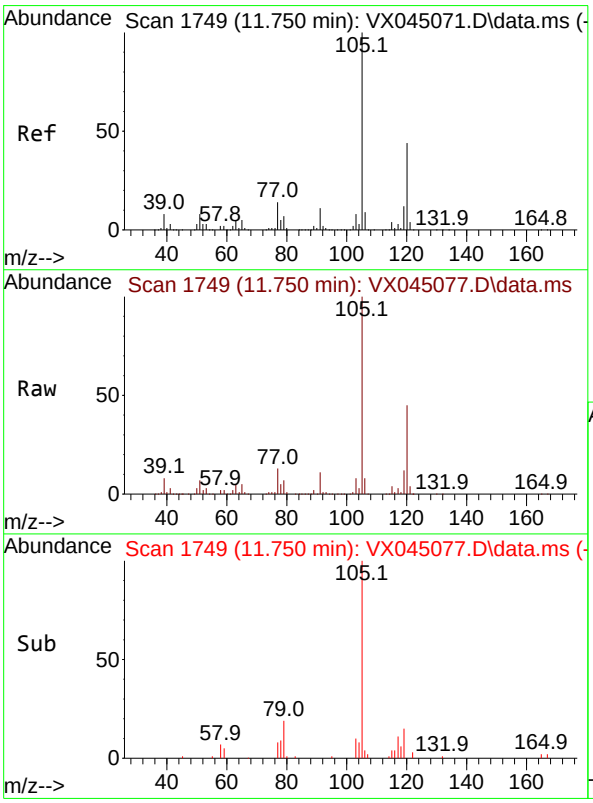
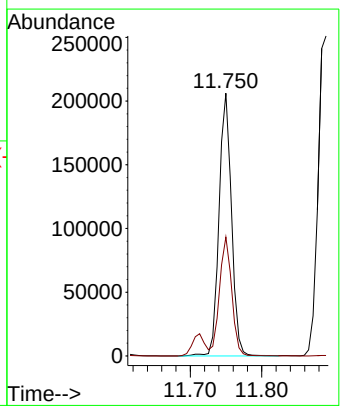
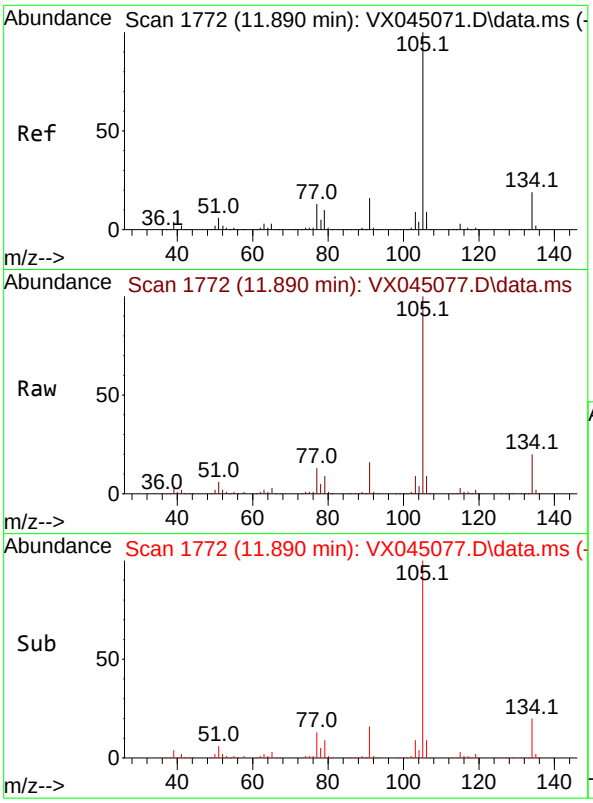


#84
1,2,4-Trimethylbenzene
Concen: 51.398 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:105 Resp: 249084

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.1





#85
sec-Butylbenzene
Concen: 53.135 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:105 Resp: 31497

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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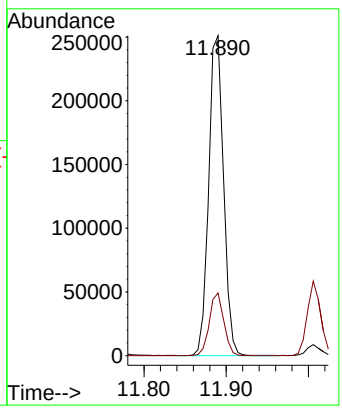
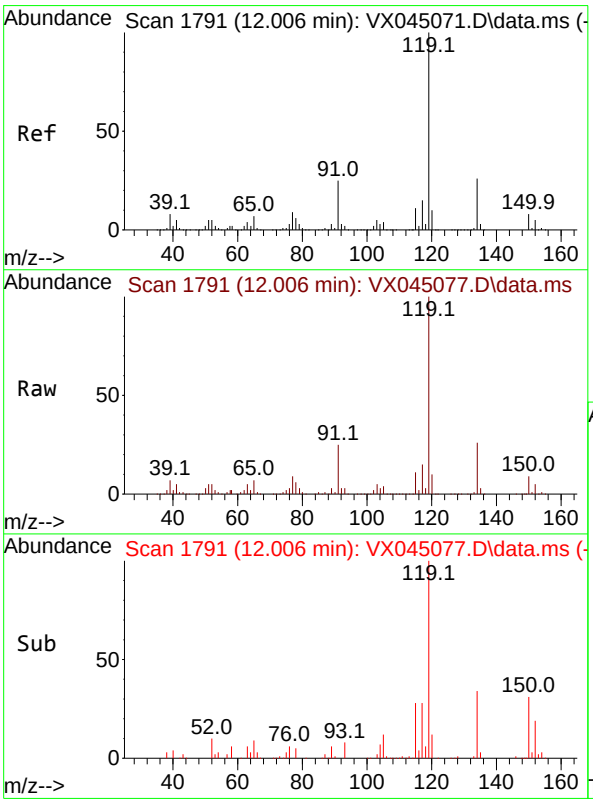
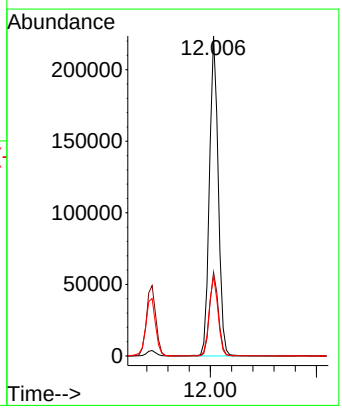


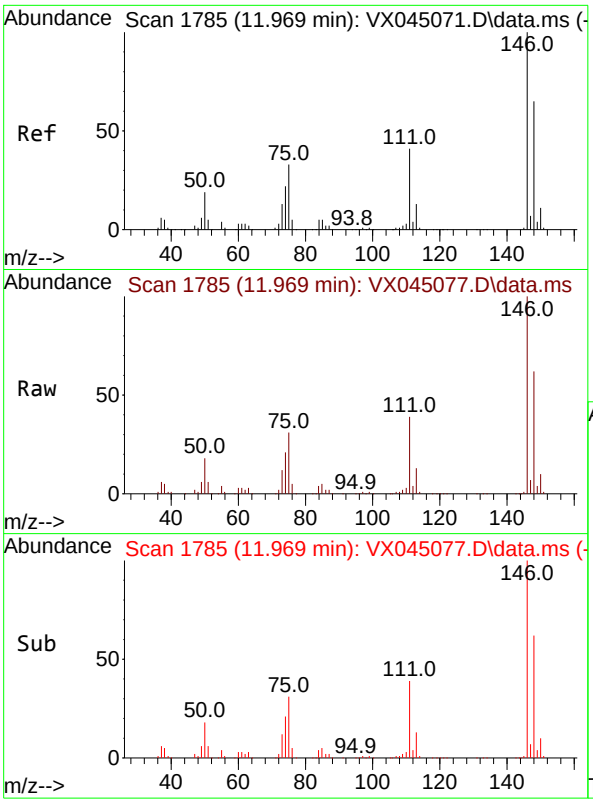


#86
p-Isopropyltoluene
Concen: 53.578 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:119 Resp: 256666

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	24.9	12.7	38.0

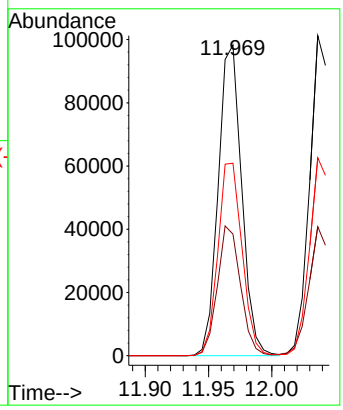




#87
1,3-Dichlorobenzene
Concen: 50.525 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:146 Resp: 12667

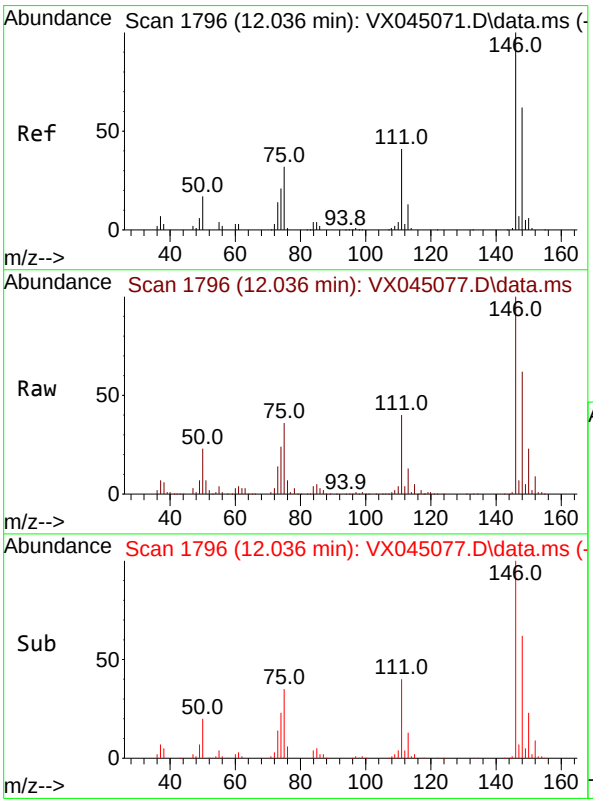
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.4
148	64.0	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

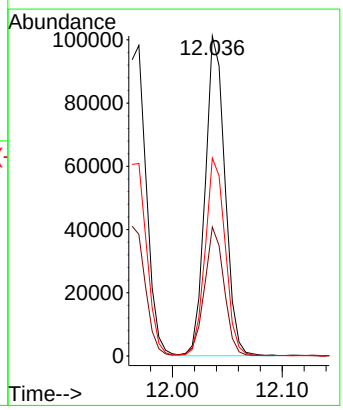
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

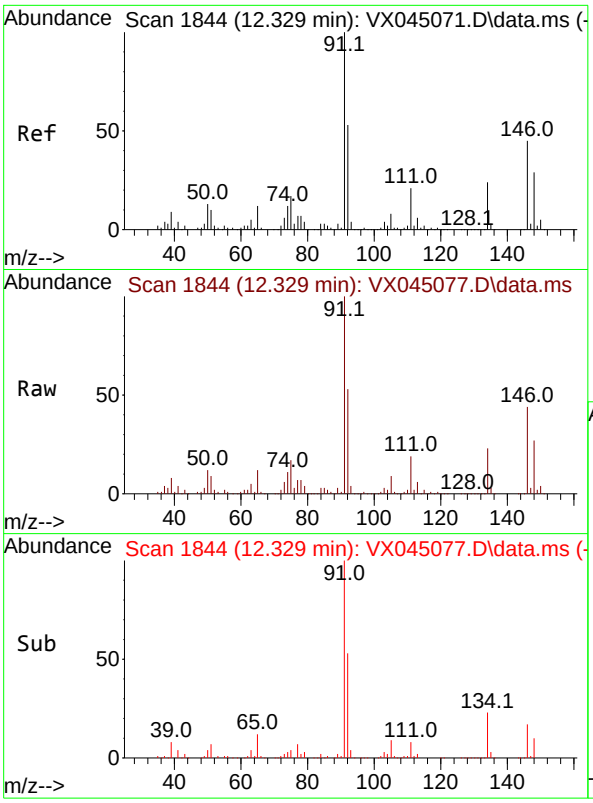


#88
1,4-Dichlorobenzene
Concen: 49.736 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:146 Resp: 126155

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.5
148	62.9	31.9	95.9

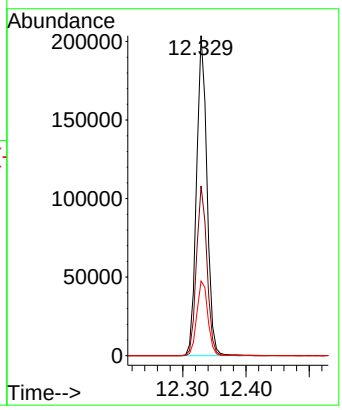




#89
n-Butylbenzene
Concen: 56.931 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 91 Resp: 23489

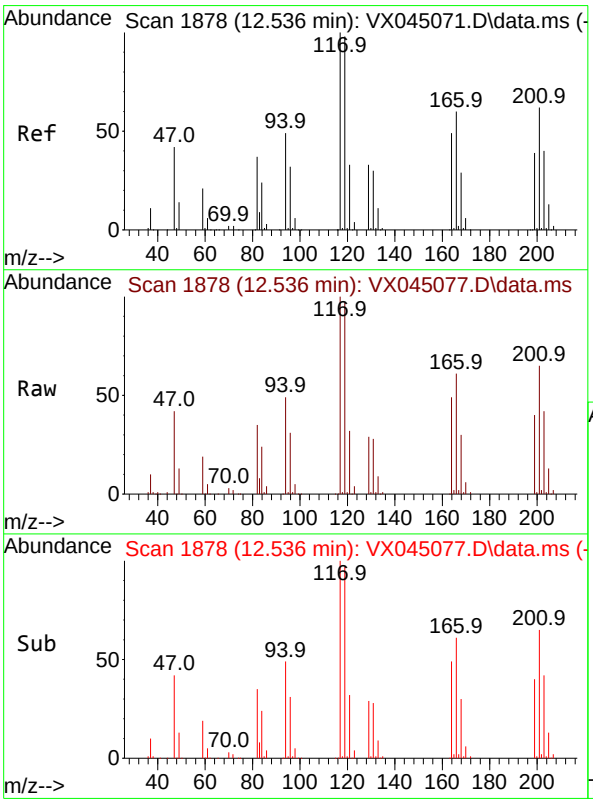
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.0
134	24.5	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

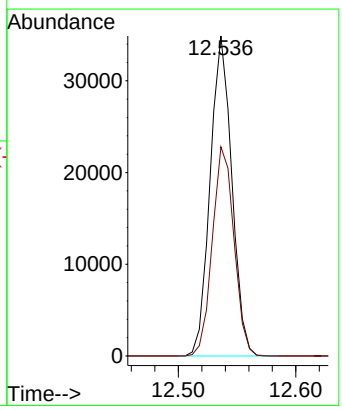
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

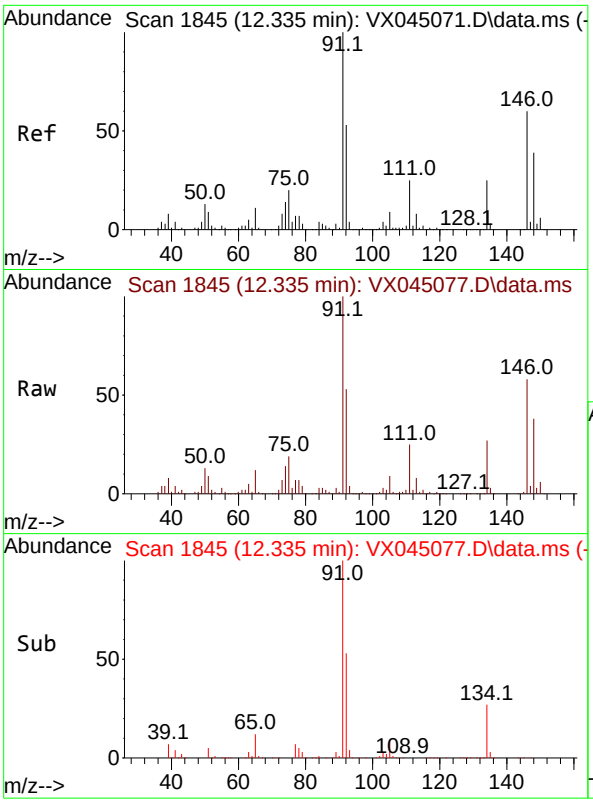


#90
Hexachloroethane
Concen: 51.547 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:117 Resp: 44665

Ion	Ratio	Lower	Upper
117	100		
201	65.4	31.9	95.9

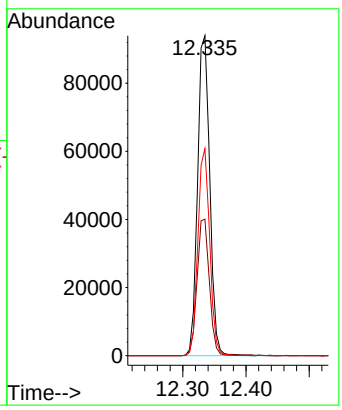




#91
1,2-Dichlorobenzene
Concen: 50.134 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:146 Resp: 12608

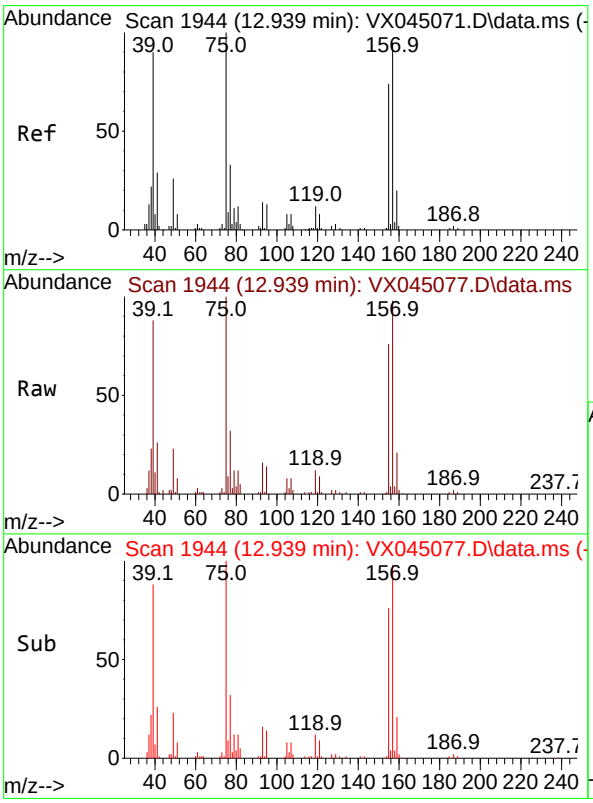
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	65.0
148	62.8	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

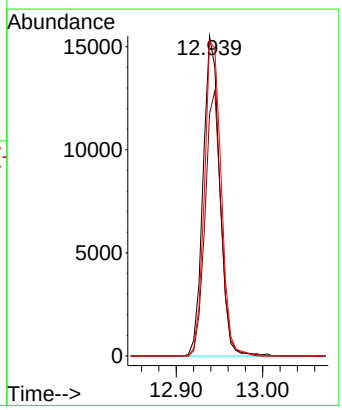
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

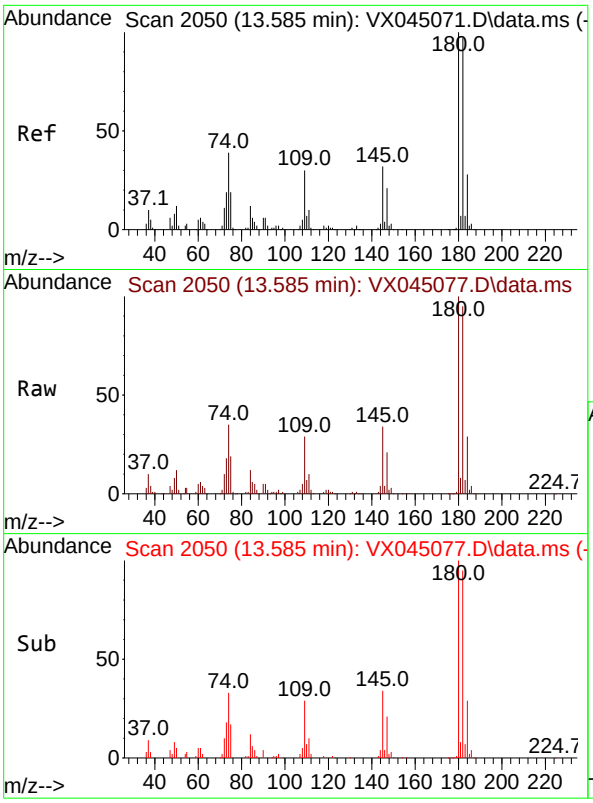


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.248 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 20546

Ion	Ratio	Lower	Upper
75	100		
155	80.4	39.6	118.7
157	99.9	51.1	153.4

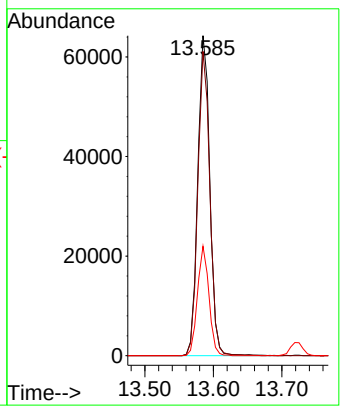




#93
1,2,4-Trichlorobenzene
Concen: 54.961 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:180 Resp: 7870

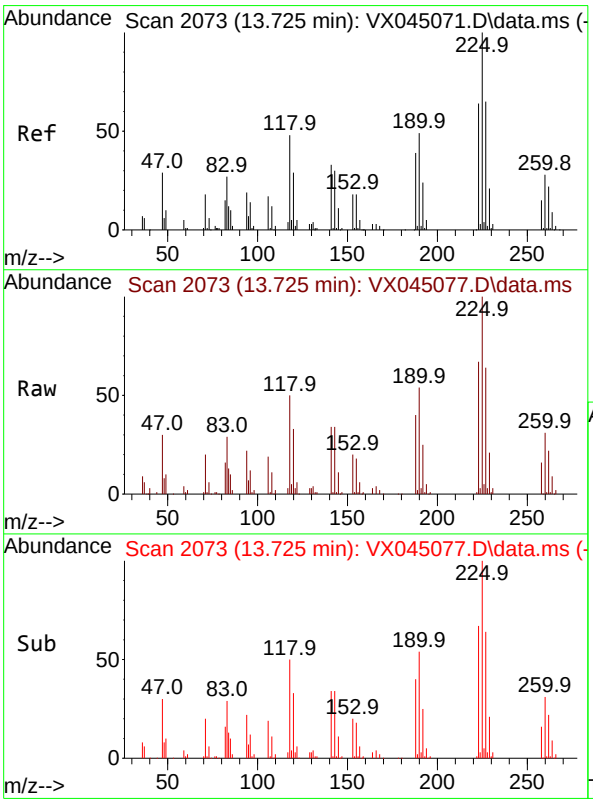
Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.9
145	32.7	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

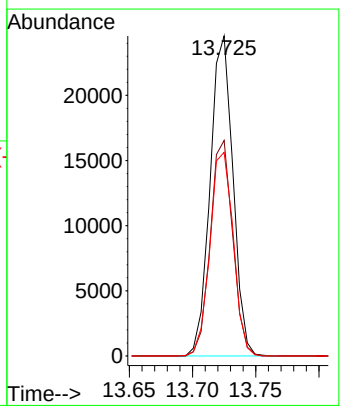
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

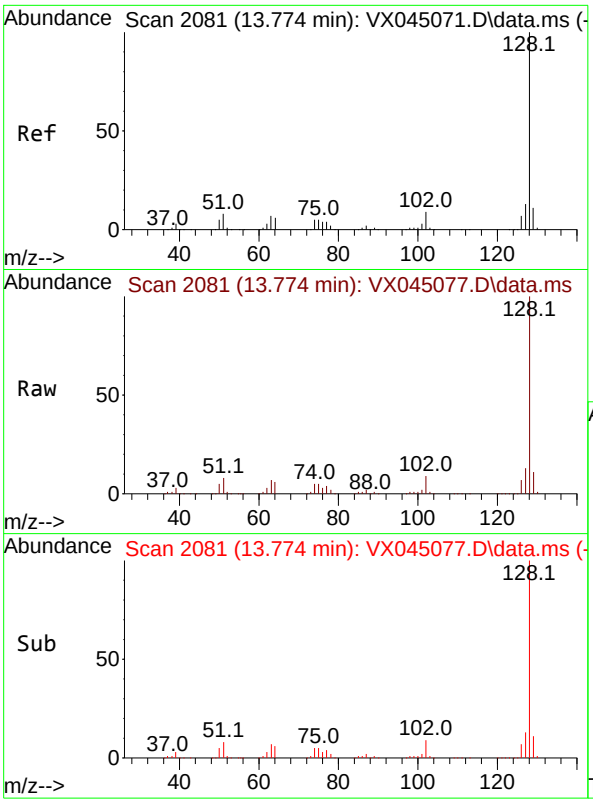


#94
Hexachlorobutadiene
Concen: 52.406 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:225 Resp: 30769

Ion	Ratio	Lower	Upper
225	100		
223	66.2	31.9	95.7
227	65.1	31.4	94.0

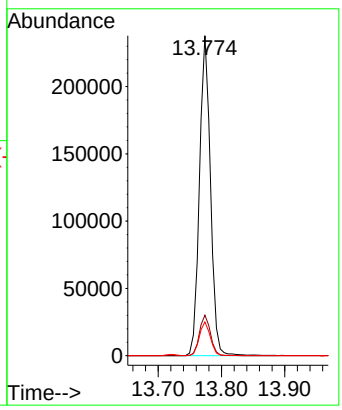




#95
Naphthalene
Concen: 52.367 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:128 Resp: 28812

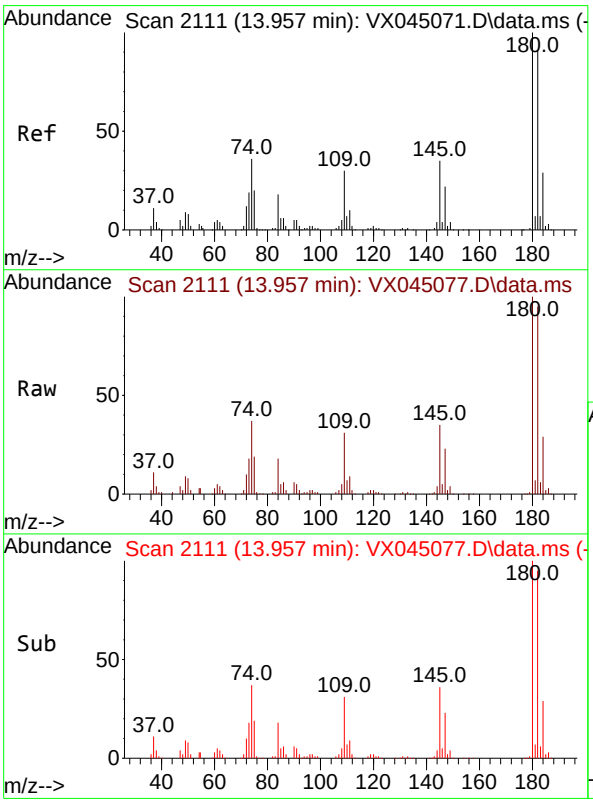
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.6	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

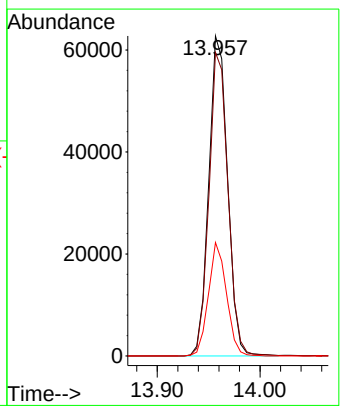
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.796 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:180 Resp: 79762

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.6
145	34.1	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	108	-0.01
2	T	Dichlorodifluoromethane	0.629	0.632	-0.5	109	0.00
3	P	Chloromethane	0.770	0.741	3.8	107	0.00
4	C	Vinyl Chloride	0.764	0.729	4.6#	104	0.00
5	T	Bromomethane	0.300	0.282	6.0	105	0.00
6	T	Chloroethane	0.352	0.283	19.6	82	0.00
7	T	Trichlorofluoromethane	1.011	0.999	1.2	103	0.00
8	T	Diethyl Ether	0.396	0.363	8.3	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.595	-2.4	109	0.00
10	T	Methyl Iodide	0.726	0.682	6.1	96	0.00
11	T	Tert butyl alcohol	0.151	0.127	15.9	103	0.01
12	CM	1,1-Dichloroethene	0.614	0.584	4.9#	102	0.00
13	T	Acrolein	0.174	0.181	-4.0	113	0.00
14	T	Allyl chloride	1.094	1.083	1.0	106	0.00
15	T	Acrylonitrile	0.404	0.363	10.1	96	0.00
16	T	Acetone	0.369	0.312	15.4	96	0.00
17	T	Carbon Disulfide	1.636	1.571	4.0	103	0.00
18	T	Methyl Acetate	0.888	0.794	10.6	99	0.00
19	T	Methyl tert-butyl Ether	2.061	1.935	6.1	101	0.00
20	T	Methylene Chloride	0.731	0.667	8.8	104	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.586	3.5	101	0.00
22	T	Diisopropyl ether	2.224	2.149	3.4	102	0.00
23	T	Vinyl Acetate	1.856	1.865	-0.5	103	0.00
24	P	1,1-Dichloroethane	1.247	1.167	6.4	102	0.00
25	T	2-Butanone	0.555	0.512	7.7	96	0.00
26	T	2,2-Dichloropropane	0.585	0.849	-45.1#	154#	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.712	4.9	101	0.00
28	T	Bromochloromethane	0.594	0.552	7.1	99	0.00
29	T	Tetrahydrofuran	0.373	0.335	10.2	97	0.00
30	C	Chloroform	1.239	1.140	8.0#	99	0.00
31	T	Cyclohexane	1.082	1.078	0.4	106	0.00
32	T	1,1,1-Trichloroethane	1.000	0.948	5.2	100	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.733	7.8	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.334	0.331	0.9	106	-0.01
36	T	1,1-Dichloropropene	0.459	0.452	1.5	102	0.00
37	T	Ethyl Acetate	0.591	0.563	4.7	98	0.00
38	T	Carbon Tetrachloride	0.465	0.459	1.3	104	0.00
39	T	Methylcyclohexane	0.549	0.617	-12.4	111	0.00
40	TM	Benzene	1.448	1.433	1.0	101	0.00
41	T	Methacrylonitrile	0.319	0.307	3.8	95	0.00
42	TM	1,2-Dichloroethane	0.521	0.494	5.2	99	0.00
43	T	Isopropyl Acetate	0.874	0.876	-0.2	99	0.00
44	TM	Trichloroethene	0.340	0.328	3.5	101	0.00
45	C	1,2-Dichloropropane	0.372	0.358	3.8#	102	0.00
46	T	Dibromomethane	0.263	0.259	1.5	102	0.00
47	T	Bromodichloromethane	0.516	0.508	1.6	102	0.00
48	T	Methyl methacrylate	0.438	0.439	-0.2	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.008	11.1	95	0.00
50	S	Toluene-d8	1.212	1.209	0.2	105	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.565	3.7	98	0.00
52	CM	Toluene	0.849	0.870	-2.5#	102	0.00
53	T	t-1,3-Dichloropropene	0.431	0.483	-12.1	109	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.551	-9.5	109	0.00
55	T	1,1,2-Trichloroethane	0.350	0.330	5.7	98	0.00
56	T	Ethyl methacrylate	0.532	0.548	-3.0	101	0.00
57	T	1,3-Dichloropropane	0.605	0.588	2.8	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.279	-7.7	103	0.00
59	T	2-Hexanone	0.425	0.411	3.3	97	0.00
60	T	Dibromochloromethane	0.366	0.367	-0.3	101	0.00
61	T	1,2-Dibromoethane	0.349	0.342	2.0	101	0.00
62	S	4-Bromofluorobenzene	0.402	0.404	-0.5	106	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64	T	Tetrachloroethene	0.320	0.319	0.3	105	0.00
65	PM	Chlorobenzene	1.058	1.039	1.8	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.344	2.3	103	0.00
67	C	Ethyl Benzene	1.843	1.879	-2.0#	102	0.00
68	T	m/p-Xylenes	0.675	0.694	-2.8	102	0.00
69	T	o-Xylene	0.681	0.685	-0.6	103	0.00
70	T	Styrene	1.101	1.143	-3.8	103	0.00
71	P	Bromoform	0.266	0.268	-0.8	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.903	3.973	-1.8	103	0.00
74	T	N-amyl acetate	1.831	1.902	-3.9	103	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.334	6.8	101	0.00
76	T	1,2,3-Trichloropropane	1.164	1.092	6.2	102	0.00
77	T	Bromobenzene	0.921	0.915	0.7	104	0.00
78	T	n-propylbenzene	4.409	4.642	-5.3	103	0.00
79	T	2-Chlorotoluene	2.808	2.748	2.1	103	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.243	-2.8	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.373	-9.7	118	0.00
82	T	4-Chlorotoluene	3.060	3.080	-0.7	102	0.00
83	T	tert-Butylbenzene	3.242	3.269	-0.8	104	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.264	-2.8	103	0.00
85	T	sec-Butylbenzene	3.884	4.127	-6.3	105	0.00
86	T	p-Isopropyltoluene	3.139	3.363	-7.1	105	0.00
87	T	1,3-Dichlorobenzene	1.643	1.660	-1.0	107	0.00
88	T	1,4-Dichlorobenzene	1.662	1.653	0.5	105	0.00
89	T	n-Butylbenzene	2.703	3.078	-13.9	109	0.00
90	T	Hexachloroethane	0.568	0.585	-3.0	104	0.00
91	T	1,2-Dichlorobenzene	1.648	1.652	-0.2	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.269	3.6	100	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.031	-9.9	109	0.00
94	T	Hexachlorobutadiene	0.385	0.403	-4.7	110	0.00
95	T	Naphthalene	3.605	3.776	-4.7	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.045	-5.6	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	108	-0.01
2	T	Dichlorodifluoromethane	50.000	50.185	-0.4	109	0.00
3	P	Chloromethane	50.000	48.123	3.8	107	0.00
4	C	Vinyl Chloride	50.000	47.712	4.6#	104	0.00
5	T	Bromomethane	50.000	46.959	6.1	105	0.00
6	T	Chloroethane	50.000	40.092	19.8	82	0.00
7	T	Trichlorofluoromethane	50.000	49.383	1.2	103	0.00
8	T	Diethyl Ether	50.000	45.828	8.3	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.199	-2.4	109	0.00
10	T	Methyl Iodide	50.000	46.970	6.1	96	0.00
11	T	Tert butyl alcohol	250.000	211.016	15.6	103	0.01
12	CM	1,1-Dichloroethene	50.000	47.513	5.0#	102	0.00
13	T	Acrolein	250.000	260.033	-4.0	113	0.00
14	T	Allyl chloride	50.000	49.523	1.0	106	0.00
15	T	Acrylonitrile	250.000	224.925	10.0	96	0.00
16	T	Acetone	250.000	211.319	15.5	96	0.00
17	T	Carbon Disulfide	50.000	48.016	4.0	103	0.00
18	T	Methyl Acetate	50.000	44.725	10.5	99	0.00
19	T	Methyl tert-butyl Ether	50.000	46.929	6.1	101	0.00
20	T	Methylene Chloride	50.000	45.613	8.8	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.249	3.5	101	0.00
22	T	Diisopropyl ether	50.000	48.301	3.4	102	0.00
23	T	Vinyl Acetate	250.000	251.185	-0.5	103	0.00
24	P	1,1-Dichloroethane	50.000	46.825	6.3	102	0.00
25	T	2-Butanone	250.000	230.258	7.9	96	0.00
26	T	2,2-Dichloropropane	50.000	72.639	-45.3#	154	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.500	5.0	101	0.00
28	T	Bromochloromethane	50.000	46.457	7.1	99	0.00
29	T	Tetrahydrofuran	250.000	224.369	10.3	97	0.00
30	C	Chloroform	50.000	46.017	8.0#	99	0.00
31	T	Cyclohexane	50.000	49.820	0.4	106	0.00
32	T	1,1,1-Trichloroethane	50.000	47.389	5.2	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.113	7.8	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	49.532	0.9	106	-0.01
36	T	1,1-Dichloropropene	50.000	49.241	1.5	102	0.00
37	T	Ethyl Acetate	50.000	47.651	4.7	98	0.00
38	T	Carbon Tetrachloride	50.000	49.318	1.4	104	0.00
39	T	Methylcyclohexane	50.000	56.161	-12.3	111	0.00
40	TM	Benzene	50.000	49.480	1.0	101	0.00
41	T	Methacrylonitrile	50.000	48.126	3.7	95	0.00
42	TM	1,2-Dichloroethane	50.000	47.405	5.2	99	0.00
43	T	Isopropyl Acetate	50.000	50.139	-0.3	99	0.00
44	TM	Trichloroethene	50.000	48.221	3.6	101	0.00
45	C	1,2-Dichloropropane	50.000	48.028	3.9#	102	0.00
46	T	Dibromomethane	50.000	49.300	1.4	102	0.00
47	T	Bromodichloromethane	50.000	49.243	1.5	102	0.00
48	T	Methyl methacrylate	50.000	50.032	-0.1	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	912.798	8.7	95	0.00
50	S	Toluene-d8	50.000	49.853	0.3	105	0.00
51	T	4-Methyl-2-Pentanone	250.000	240.651	3.7	98	0.00
52	CM	Toluene	50.000	51.187	-2.4#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	55.975	-12.0	109	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.755	-9.5	109	0.00
55	T	1,1,2-Trichloroethane	50.000	47.245	5.5	98	0.00
56	T	Ethyl methacrylate	50.000	51.537	-3.1	101	0.00
57	T	1,3-Dichloropropane	50.000	48.576	2.8	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.530	-7.4	103	0.00
59	T	2-Hexanone	250.000	241.811	3.3	97	0.00
60	T	Dibromochloromethane	50.000	50.220	-0.4	101	0.00
61	T	1,2-Dibromoethane	50.000	48.992	2.0	101	0.00
62	S	4-Bromofluorobenzene	50.000	50.332	-0.7	106	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	106	0.00
64	T	Tetrachloroethene	50.000	49.741	0.5	105	0.00
65	PM	Chlorobenzene	50.000	49.093	1.8	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.762	2.5	103	0.00
67	C	Ethyl Benzene	50.000	50.959	-1.9#	102	0.00
68	T	m/p-Xylenes	100.000	102.789	-2.8	102	0.00
69	T	o-Xylene	50.000	50.318	-0.6	103	0.00
70	T	Styrene	50.000	51.891	-3.8	103	0.00
71	P	Bromoform	50.000	50.513	-1.0	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	50.901	-1.8	103	0.00
74	T	N-amyl acetate	50.000	51.942	-3.9	103	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.579	6.8	101	0.00
76	T	1,2,3-Trichloropropane	50.000	46.931	6.1	102	0.00
77	T	Bromobenzene	50.000	49.698	0.6	104	0.00
78	T	n-propylbenzene	50.000	52.644	-5.3	103	0.00
79	T	2-Chlorotoluene	50.000	48.935	2.1	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.381	-2.8	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.791	-9.6	118	0.00
82	T	4-Chlorotoluene	50.000	50.324	-0.6	102	0.00
83	T	tert-Butylbenzene	50.000	50.405	-0.8	104	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.398	-2.8	103	0.00
85	T	sec-Butylbenzene	50.000	53.135	-6.3	105	0.00
86	T	p-Isopropyltoluene	50.000	53.578	-7.2	105	0.00
87	T	1,3-Dichlorobenzene	50.000	50.525	-1.0	107	0.00
88	T	1,4-Dichlorobenzene	50.000	49.736	0.5	105	0.00
89	T	n-Butylbenzene	50.000	56.931	-13.9	109	0.00
90	T	Hexachloroethane	50.000	51.547	-3.1	104	0.00
91	T	1,2-Dichlorobenzene	50.000	50.134	-0.3	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.248	3.5	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.961	-9.9	109	0.00
94	T	Hexachlorobutadiene	50.000	52.406	-4.8	110	0.00
95	T	Naphthalene	50.000	52.367	-4.7	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.796	-5.6	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_X Calibration Date/Time: 02/28/2025 18:50

Lab File ID: VX045098.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.770	0.696	0.1	-9.61	50
Vinyl Chloride	0.764	0.736		-3.66	50
Bromomethane	0.300	0.261		-13	50
Chloroethane	0.352	0.305		-13.35	50
Trichlorofluoromethane	1.012	0.992		-1.98	50
1,1,2-Trichlorotrifluoroethane	0.581	0.602		3.61	50
1,1-Dichloroethene	0.614	0.600		-2.28	50
Acetone	0.369	0.330		-10.57	50
Carbon Disulfide	1.636	1.572		-3.91	50
Methyl tert-butyl Ether	2.061	2.046		-0.73	50
Methylene Chloride	0.731	0.691		-5.47	50
trans-1,2-Dichloroethene	0.607	0.624		2.8	50
1,1-Dichloroethane	1.247	1.237	0.1	-0.8	50
2-Butanone	0.555	0.536		-3.42	50
Carbon Tetrachloride	0.465	0.475		2.15	50
cis-1,2-Dichloroethene	0.749	0.756		0.94	50
Chloroform	1.239	1.219		-1.61	50
1,1,1-Trichloroethane	1.000	1.013		1.3	50
Methylcyclohexane	0.549	0.612		11.48	50
Benzene	1.448	1.471		1.59	50
1,2-Dichloroethane	0.521	0.520		-0.19	50
Trichloroethene	0.340	0.344		1.18	50
1,2-Dichloropropane	0.372	0.372		0	50
Bromodichloromethane	0.516	0.518		0.39	50
4-Methyl-2-Pentanone	0.587	0.582		-0.85	50
Toluene	0.849	0.879		3.53	50
t-1,3-Dichloropropene	0.431	0.460		6.73	50
cis-1,3-Dichloropropene	0.503	0.536		6.56	50
1,1,2-Trichloroethane	0.350	0.342		-2.29	50
2-Hexanone	0.425	0.430		1.18	50
Dibromochloromethane	0.366	0.364		-0.55	50
Tetrachloroethene	0.320	0.334		4.38	50
Chlorobenzene	1.058	1.084	0.3	2.46	50
Ethyl Benzene	1.843	1.942		5.37	50
m/p-Xylenes	0.675	0.717		6.22	50
o-Xylene	0.681	0.694		1.91	50
Styrene	1.101	1.166		5.9	50
Bromoform	0.266	0.275	0.1	3.38	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_X Calibration Date/Time: 02/28/2025 18:50

Lab File ID: VX045098.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.903	4.046		3.66	50
1,1,2,2-Tetrachloroethane	1.432	1.422	0.3	-0.7	50
1,3-Dichlorobenzene	1.643	1.677		2.07	50
1,4-Dichlorobenzene	1.662	1.661		-0.06	50
1,2-Dichlorobenzene	1.648	1.681		2	50
1,2-Dichloroethane-d4	0.795	0.780		-1.89	50
Dibromofluoromethane	0.334	0.338		1.2	50
Toluene-d8	1.212	1.211		-0.08	50
4-Bromofluorobenzene	0.402	0.392		-2.49	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79368	49.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.100%			
35) Dibromofluoromethane	5.379	113	61111	50.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.980%			
50) Toluene-d8	8.647	98	219202	49.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.900%			
62) 4-Bromofluorobenzene	11.079	95	71007	48.831	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61893	48.332	ug/l	96
3) Chloromethane	1.307	50	70827	45.195	ug/l	96
4) Vinyl Chloride	1.374	62	74859	48.152	ug/l	96
5) Bromomethane	1.593	94	26503	43.366	ug/l	99
6) Chloroethane	1.660	64	31071	43.329	ug/l	96
7) Trichlorofluoromethane	1.861	101	100933	49.043	ug/l	98
8) Diethyl Ether	2.136	74	38500	47.827	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61197	51.757	ug/l	100
10) Methyl Iodide	2.441	142	77481	52.436	ug/l	97
11) Tert butyl alcohol	3.001	59	58663	191.387	ug/l	99
12) 1,1-Dichloroethene	2.306	96	61068	48.851	ug/l	96
13) Acrolein	2.239	56	92932	262.281	ug/l	100
14) Allyl chloride	2.654	41	112846	50.713	ug/l	99
15) Acrylonitrile	3.068	53	194959	237.322	ug/l	99
16) Acetone	2.392	43	167728	223.399	ug/l	99
17) Carbon Disulfide	2.495	76	159949	48.039	ug/l	98
18) Methyl Acetate	2.709	43	86076	47.656	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	208116	49.622	ug/l	99
20) Methylene Chloride	2.782	84	70283	47.257	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	63435	51.365	ug/l	96
22) Diisopropyl ether	3.763	45	230741	50.987	ug/l	96
23) Vinyl Acetate	3.721	43	981372	259.857	ug/l	99
24) 1,1-Dichloroethane	3.605	63	125852	49.621	ug/l	99
25) 2-Butanone	4.562	43	272874	241.451	ug/l	100
26) 2,2-Dichloropropane	4.465	77	74982	63.029	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	76889	50.434	ug/l	98
28) Bromochloromethane	4.891	49	60168	49.771	ug/l	99
29) Tetrahydrofuran	5.007	42	180661	238.042	ug/l	100
30) Chloroform	5.086	83	123972	49.194	ug/l	96
31) Cyclohexane	5.464	56	113565	51.583	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	103034	50.622	ug/l	99
36) 1,1-Dichloropropene	5.684	75	84609	50.969	ug/l	99
37) Ethyl Acetate	4.721	43	103765	48.511	ug/l	99
38) Carbon Tetrachloride	5.672	117	85957	51.004	ug/l	96
39) Methylcyclohexane	7.373	83	110750	55.680	ug/l	99
40) Benzene	6.031	78	266243	50.791	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	58866	50.896	ug/l		99
42) 1,2-Dichloroethane	6.086	62	94209	49.909	ug/l		100
43) Isopropyl Acetate	6.342	43	161644	51.105	ug/l		100
44) Trichloroethene	7.123	130	62206	50.539	ug/l		96
45) 1,2-Dichloropropane	7.427	63	67418	50.023	ug/l		98
46) Dibromomethane	7.580	93	48257	50.658	ug/l		100
47) Bromodichloromethane	7.818	83	93700	50.147	ug/l		99
48) Methyl methacrylate	7.690	41	79010	49.791	ug/l		99
49) 1,4-Dioxane	7.665	88	31583	943.544	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	527009	248.148	ug/l		100
52) Toluene	8.714	92	159122	51.738	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	83188	53.255	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	97016	53.261	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	61955	48.933	ug/l		98
56) Ethyl methacrylate	9.116	69	97958	50.898	ug/l		99
57) 1,3-Dichloropropane	9.305	76	107915	49.251	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	251496	267.883	ug/l		99
59) 2-Hexanone	9.433	43	389623	253.206	ug/l		100
60) Dibromochloromethane	9.519	129	65842	49.736	ug/l		99
61) 1,2-Dibromoethane	9.610	107	62692	49.600	ug/l		97
64) Tetrachloroethene	9.269	164	50788	52.227	ug/l		96
65) Chlorobenzene	10.079	112	164623	51.239	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53906	50.382	ug/l		99
67) Ethyl Benzene	10.189	91	294898	52.678	ug/l		99
68) m/p-Xylenes	10.299	106	217787	106.271	ug/l		100
69) o-Xylene	10.640	106	105354	50.972	ug/l		100
70) Styrene	10.652	104	177099	52.954	ug/l		100
71) Bromoform	10.799	173	41684	51.664	ug/l	#	98
73) Isopropylbenzene	10.957	105	274956	51.833	ug/l		100
74) N-amyl acetate	10.841	43	132916	53.399	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	96646	49.649	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	76731m	48.508	ug/l		
77) Bromobenzene	11.195	156	62546	49.973	ug/l		100
78) n-propylbenzene	11.299	91	316831	52.873	ug/l		100
79) 2-Chlorotoluene	11.360	91	189914	49.764	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	221858	51.725	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	22598	48.890	ug/l		95
82) 4-Chlorotoluene	11.451	91	213820	51.409	ug/l		100
83) tert-Butylbenzene	11.713	119	222604	50.511	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	226285	52.432	ug/l		100
85) sec-Butylbenzene	11.890	105	280591	53.152	ug/l		99
86) p-Isopropyltoluene	12.006	119	227625	53.355	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	113992	51.054	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	112871	49.967	ug/l		99
89) n-Butylbenzene	12.329	91	202412	55.087	ug/l		99
90) Hexachloroethane	12.536	117	39104	50.675	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	114225	50.999	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19590	51.657	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	69773	54.709	ug/l		99
94) Hexachlorobutadiene	13.725	225	27166	51.956	ug/l		99
95) Naphthalene	13.774	128	267416	54.575	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	72423	53.829	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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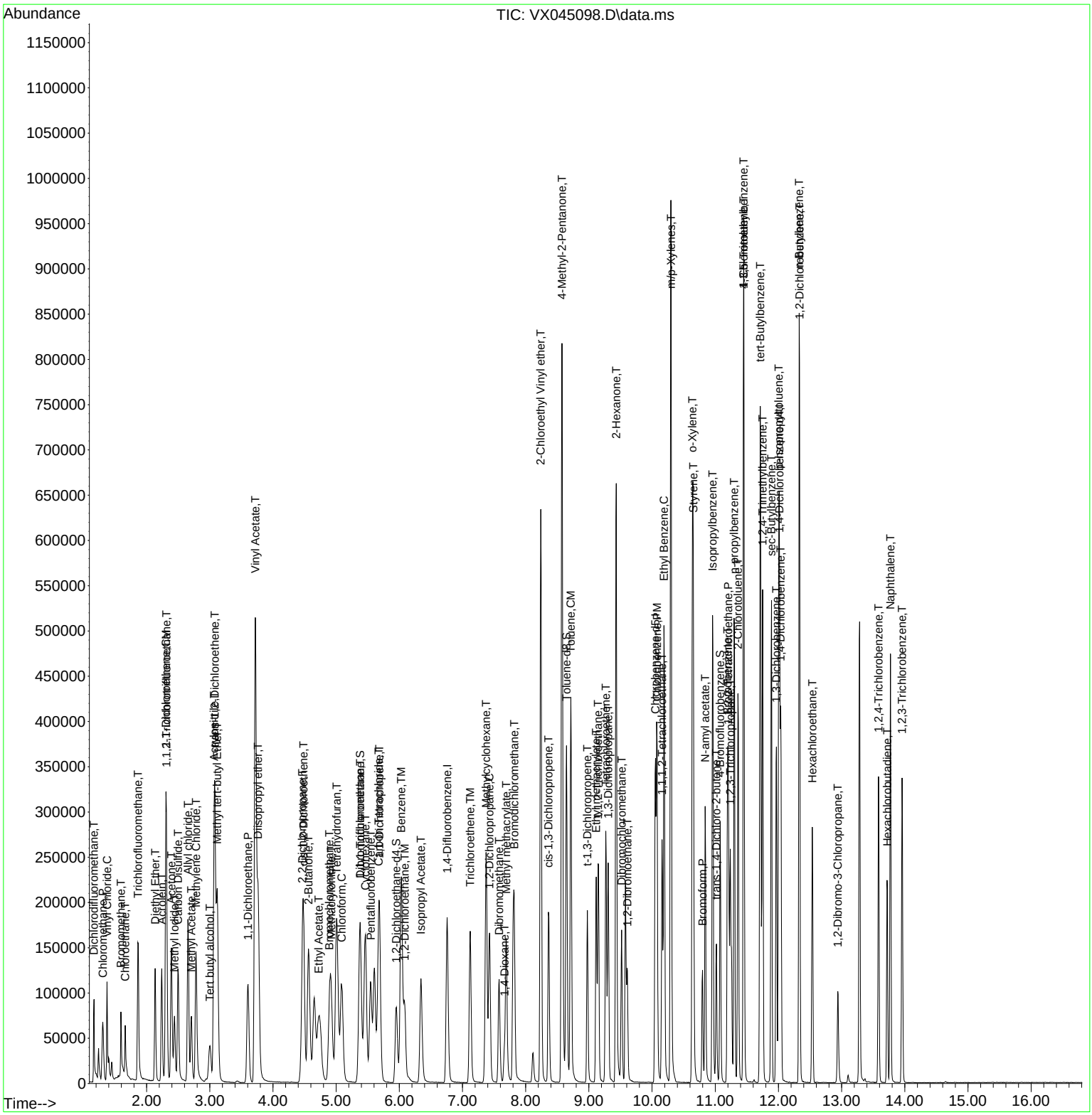
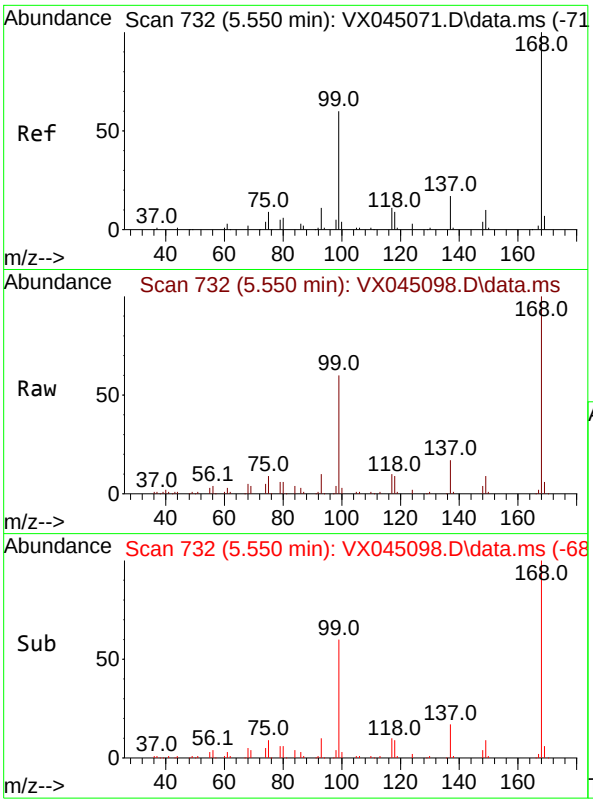
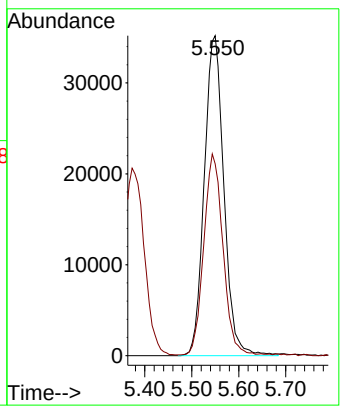




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:168 Resp: 10173

Ion	Ratio	Lower	Upper
168	100		
99	59.7	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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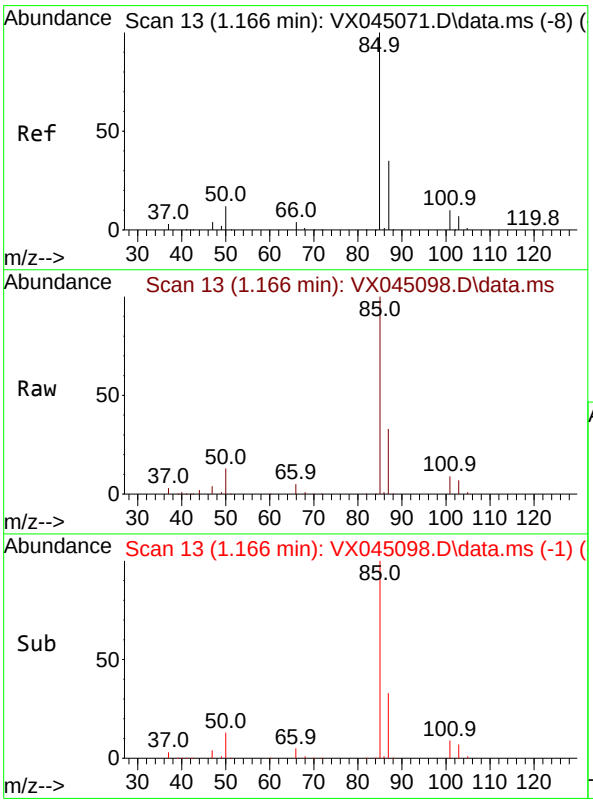
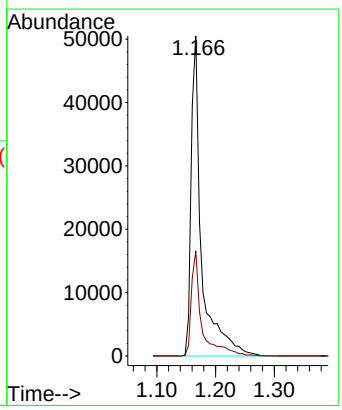
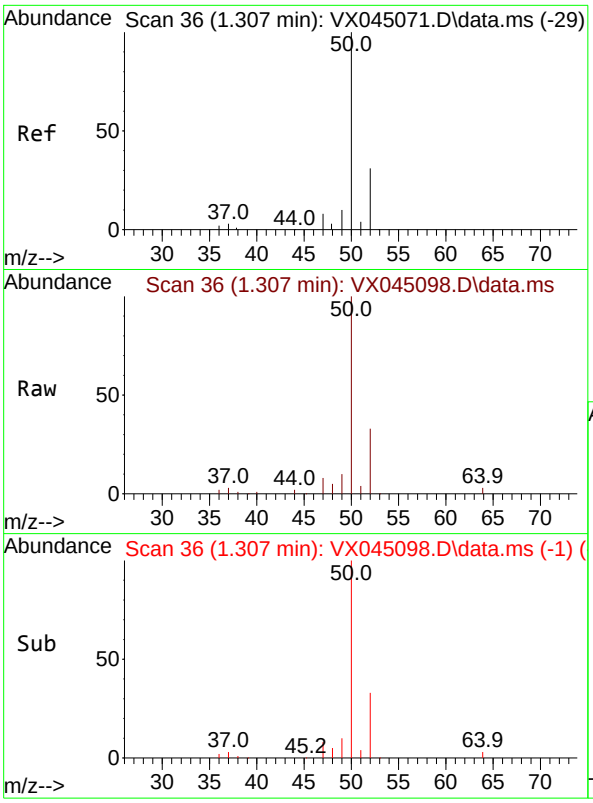


#2
Dichlorodifluoromethane
Concen: 48.332 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 85 Resp: 61893

Ion	Ratio	Lower	Upper
85	100		
87	32.9	17.4	52.3

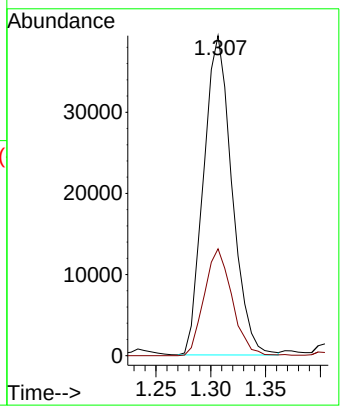




#3
Chloromethane
Concen: 45.195 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 50 Resp: 7082

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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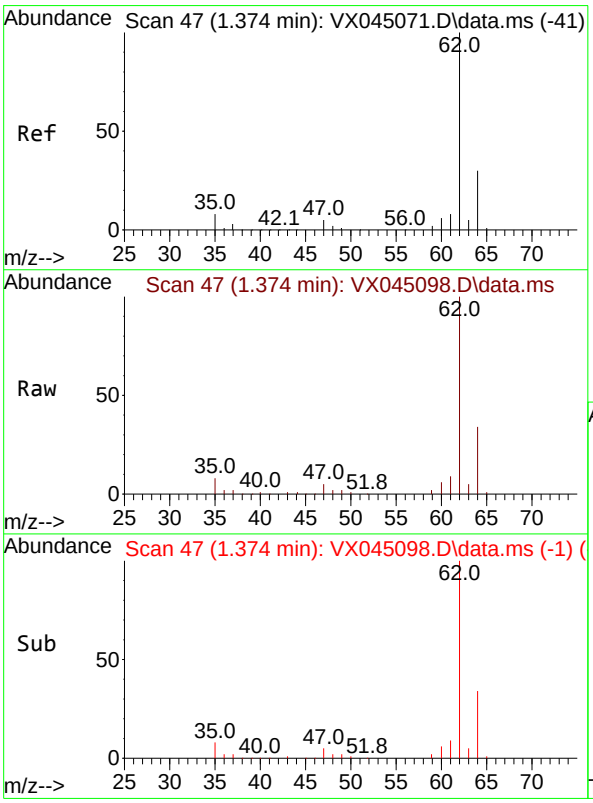
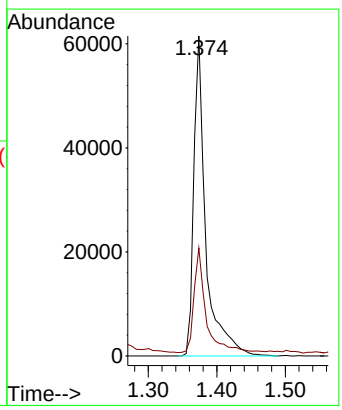
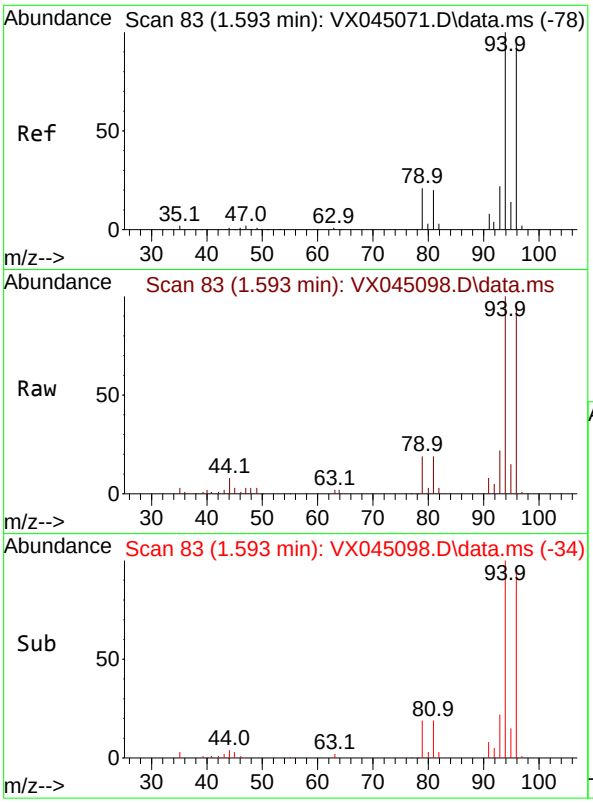


#4
Vinyl Chloride
Concen: 48.152 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 62 Resp: 74859

Ion	Ratio	Lower	Upper
62	100		
64	32.7	24.3	36.5

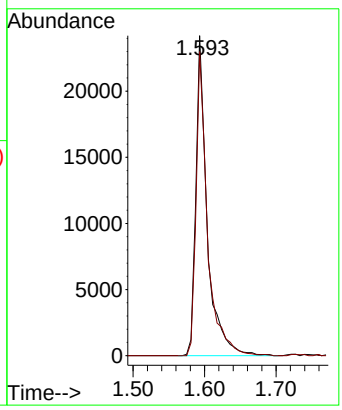




#5
Bromomethane
Concen: 43.366 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 94 Resp: 2650

Ion	Ratio	Lower	Upper
94	100		
96	95.0	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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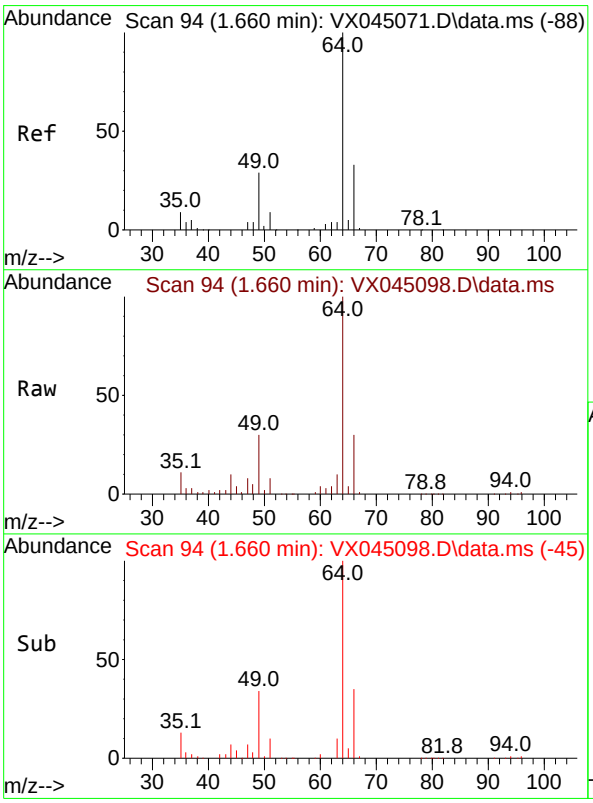
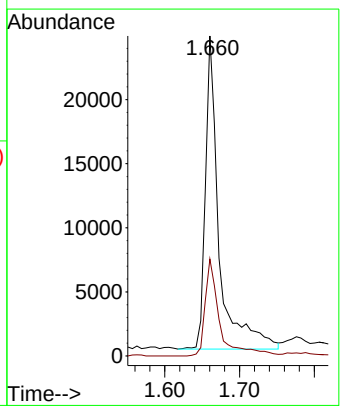
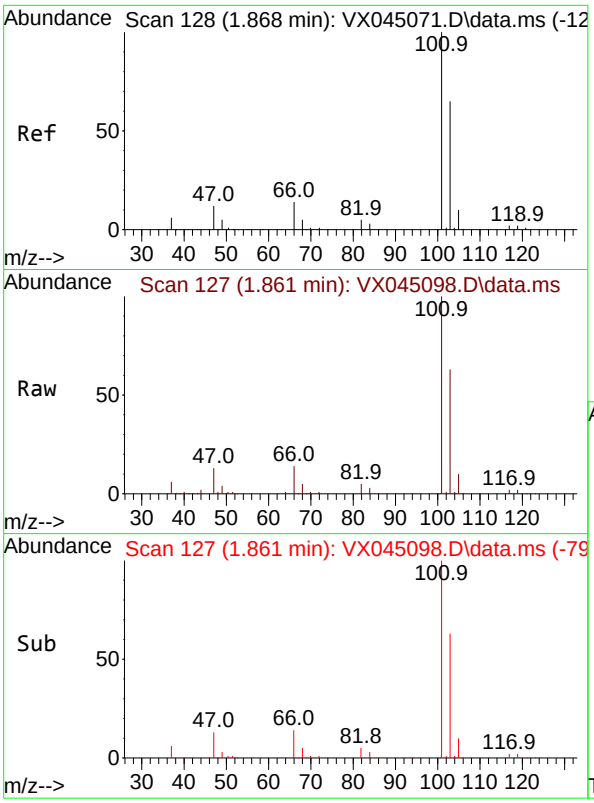


#6
Chloroethane
Concen: 43.329 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 64 Resp: 31071

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.7	40.1





#7
Trichlorofluoromethane
Concen: 49.043 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:101 Resp: 10093

Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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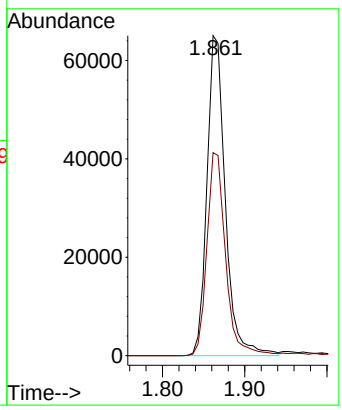
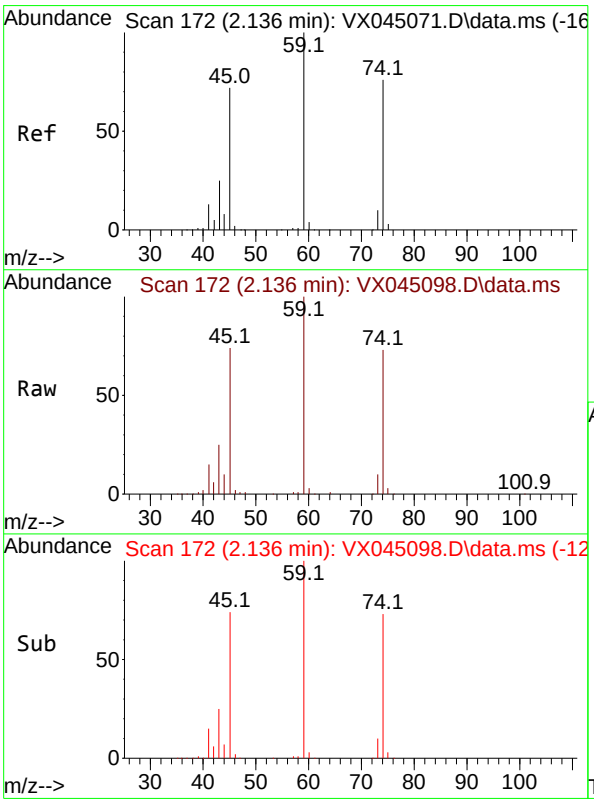
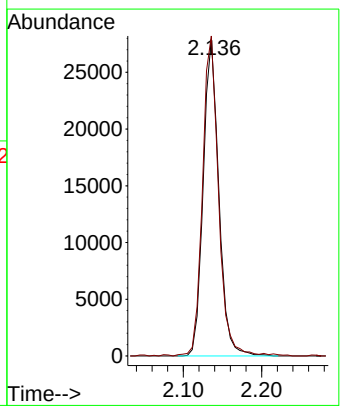


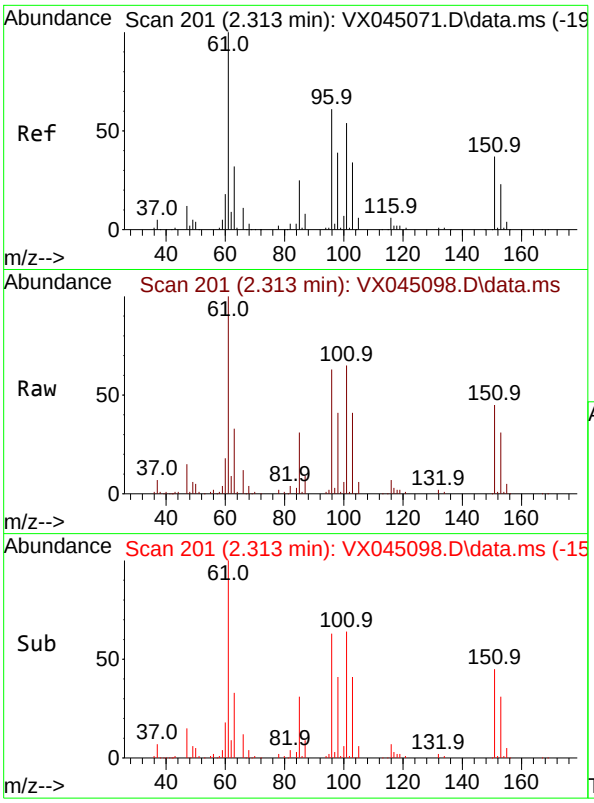


#8
Diethyl Ether
Concen: 47.827 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 74 Resp: 38500

Ion	Ratio	Lower	Upper
74	100		
45	103.2	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.757 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:101 Resp: 6119

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.2	54.4
151	70.5	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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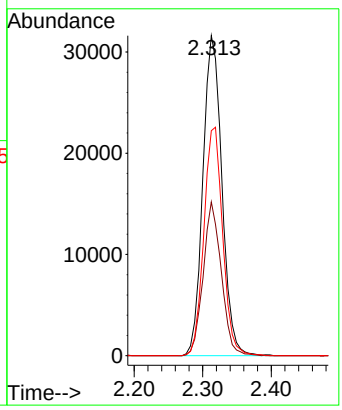
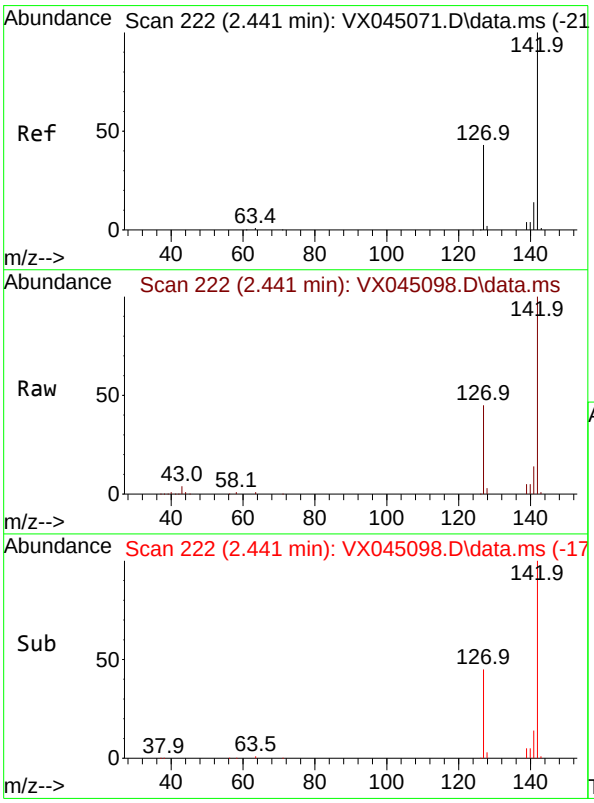
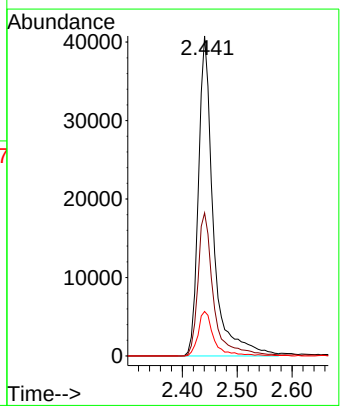


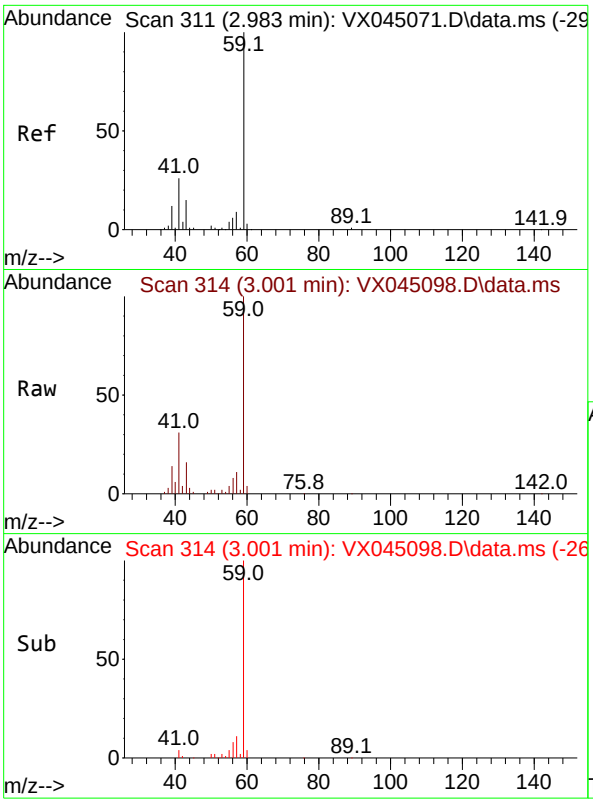


#10
Methyl Iodide
Concen: 52.436 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:142 Resp: 77481

Ion	Ratio	Lower	Upper
142	100		
127	46.5	35.4	53.2
141	14.8	11.6	17.4

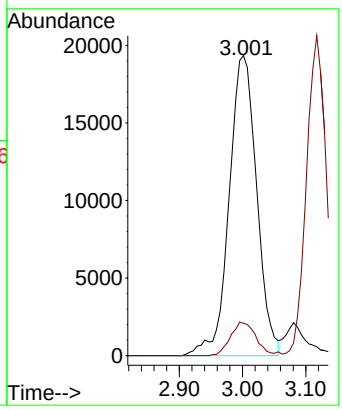




#11
Tert butyl alcohol
Concen: 191.387 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 59 Resp: 5866

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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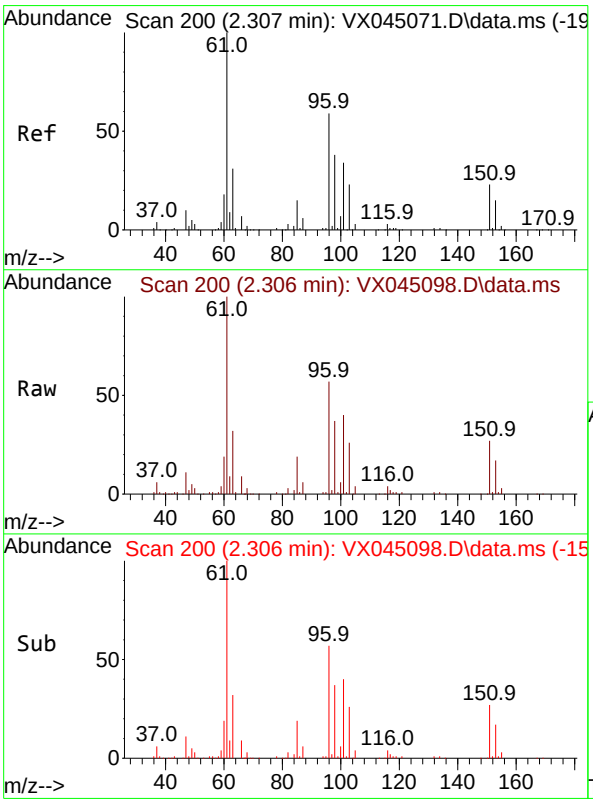
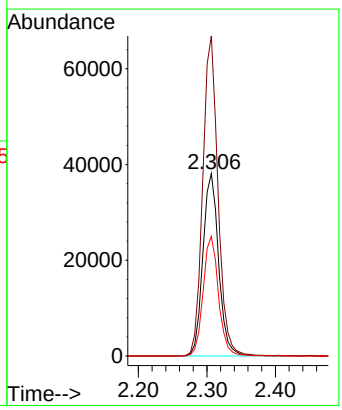
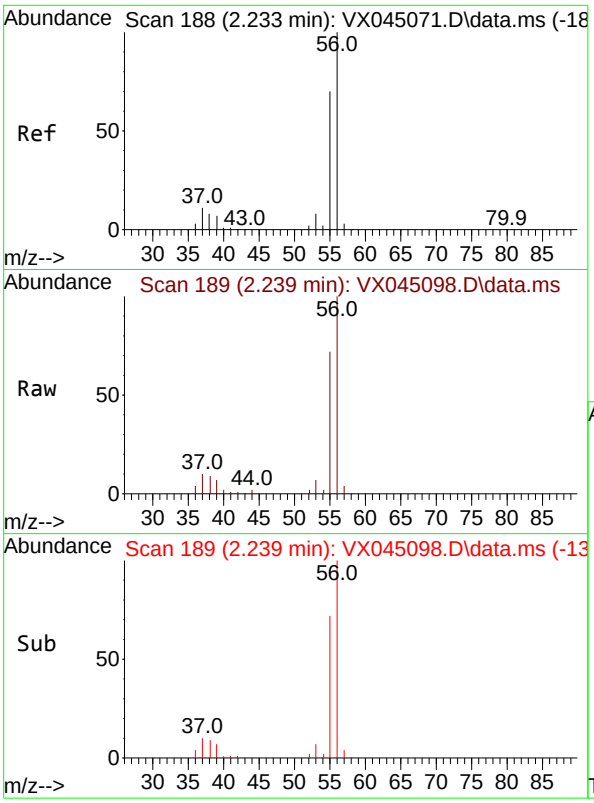


#12
1,1-Dichloroethene
Concen: 48.851 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 96 Resp: 61068

Ion	Ratio	Lower	Upper
96	100		
61	175.4	134.6	202.0
98	65.6	51.0	76.6

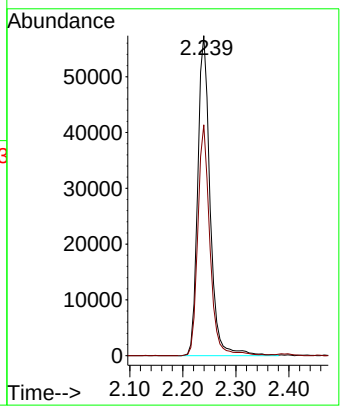




#13
Acrolein
Concen: 262.281 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 56 Resp: 9293

Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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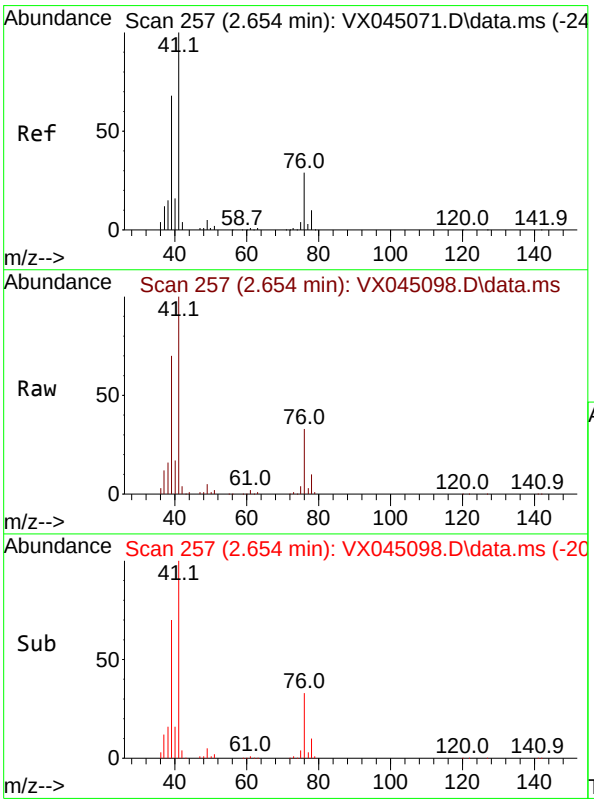
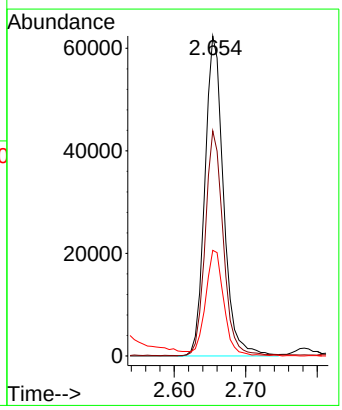
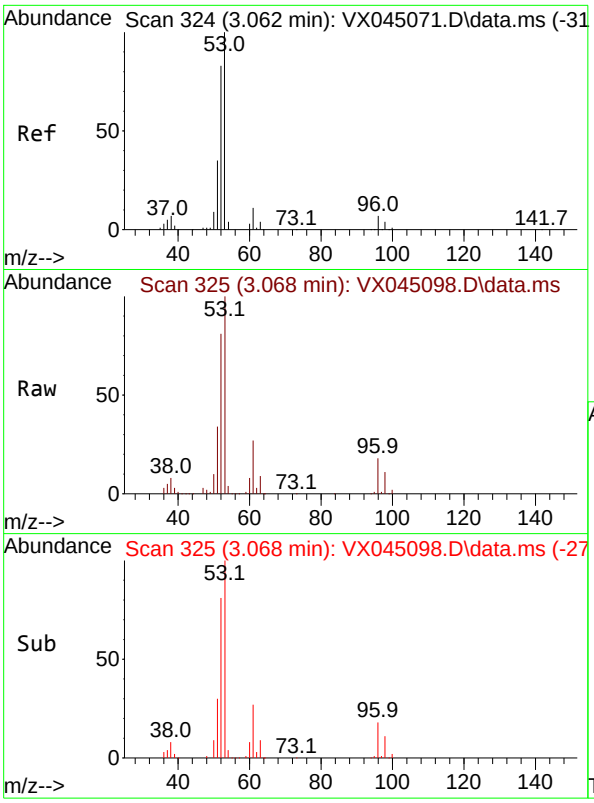


#14
Allyl chloride
Concen: 50.713 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 41 Resp: 112846

Ion	Ratio	Lower	Upper
41	100		
39	67.8	53.8	80.8
76	32.4	25.2	37.8

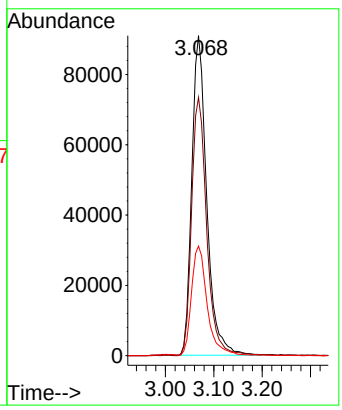




#15
Acrylonitrile
Concen: 237.322 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 53 Resp: 19495

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.2
51	36.2	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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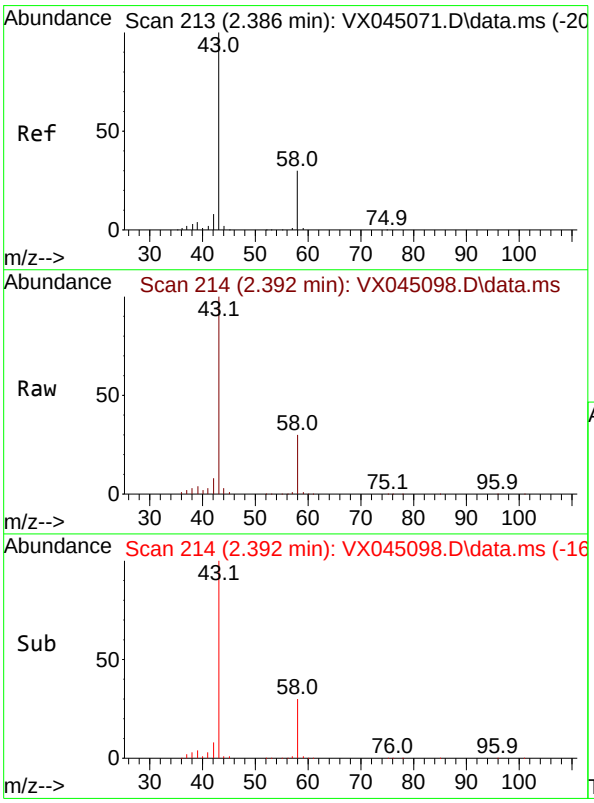
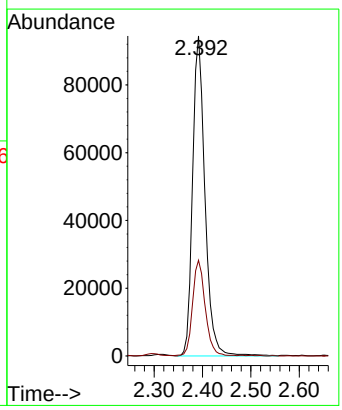
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

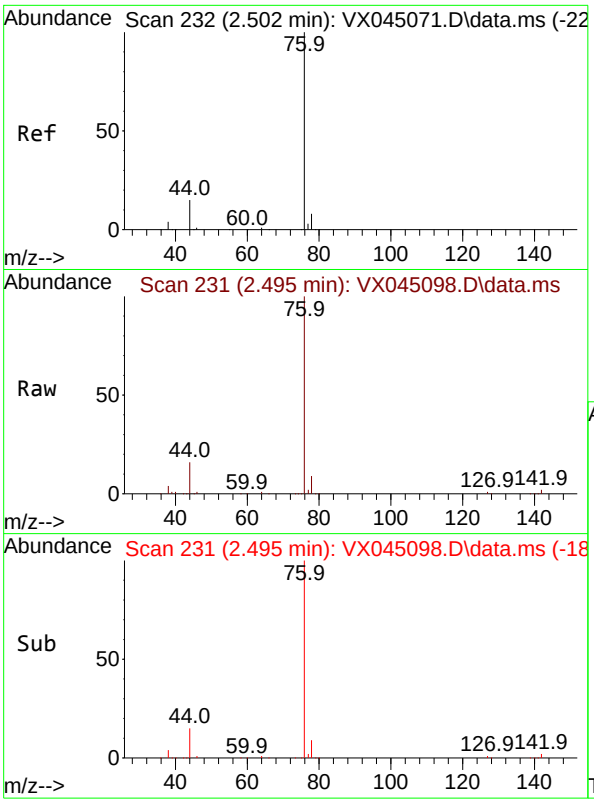


#16
Acetone
Concen: 223.399 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 167728

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.2	36.4





#17
Carbon Disulfide
Concen: 48.039 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 76 Resp: 15994

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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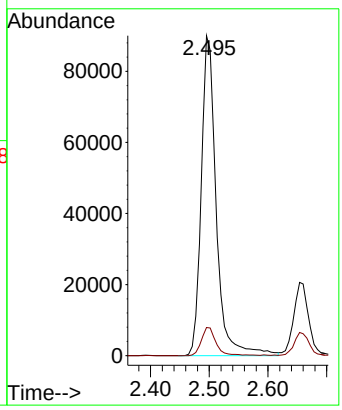
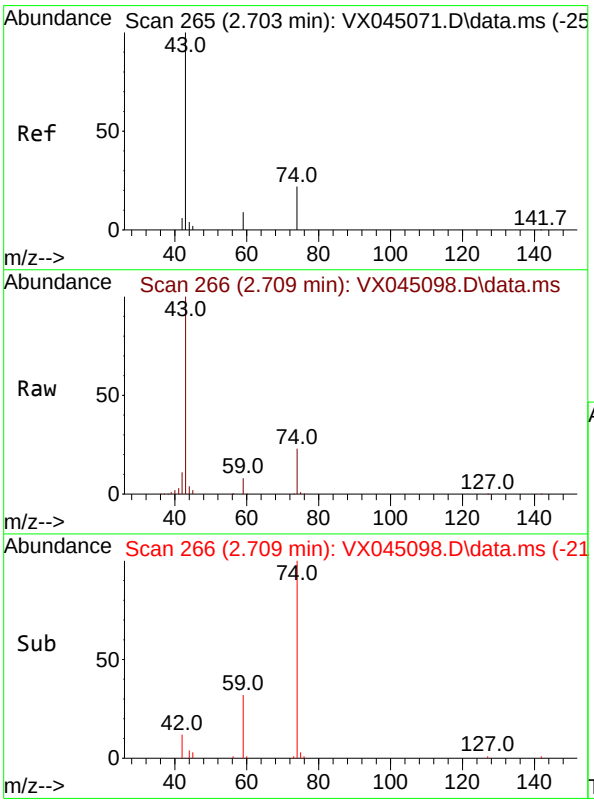
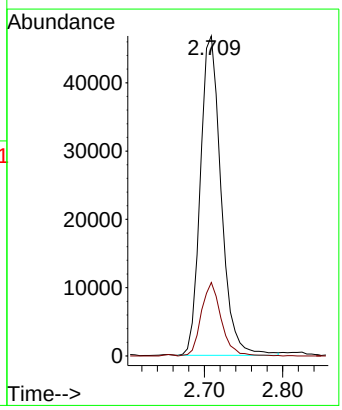


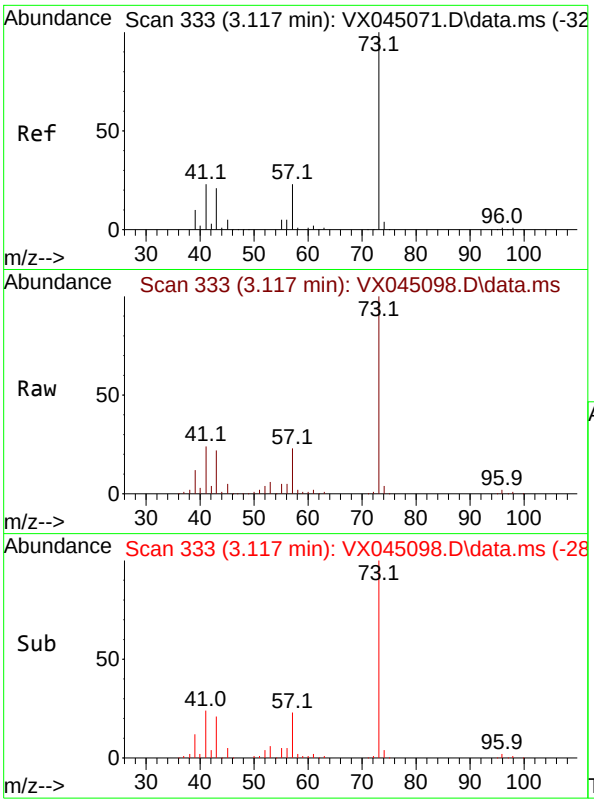


#18
Methyl Acetate
Concen: 47.656 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 86076

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

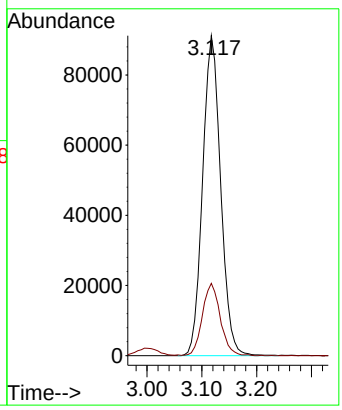




#19
Methyl tert-butyl Ether
Concen: 49.622 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 73 Resp: 20811

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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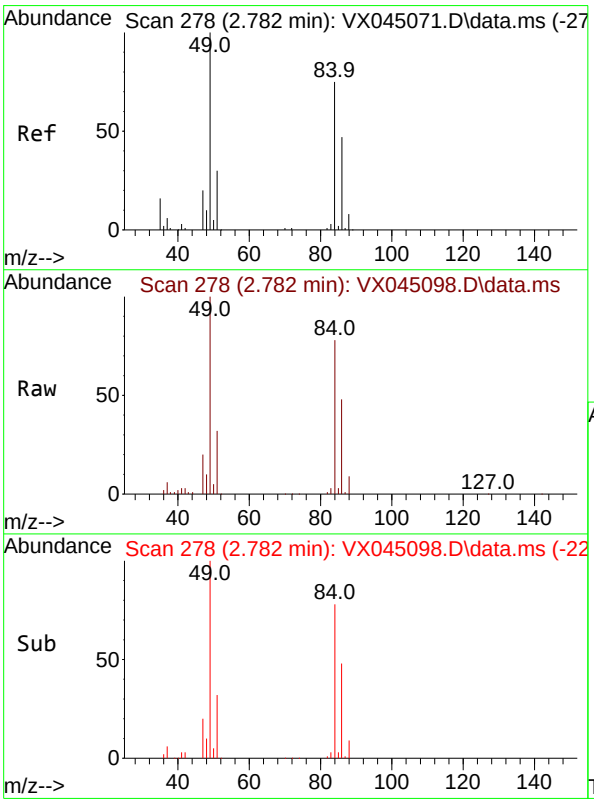
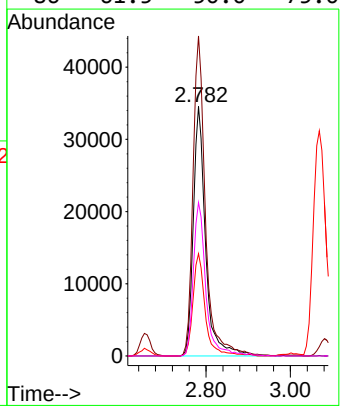
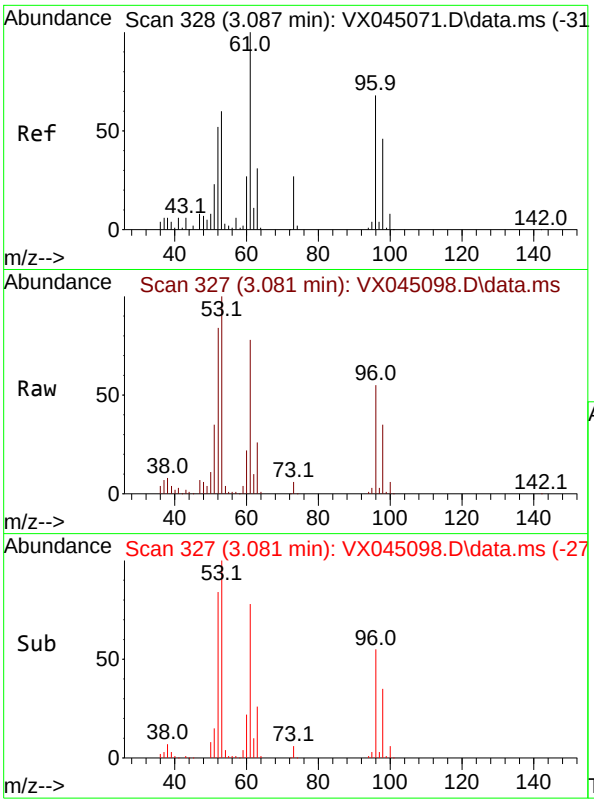


#20
Methylene Chloride
Concen: 47.257 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 84 Resp: 70283

Ion	Ratio	Lower	Upper
84	100		
49	128.3	106.5	159.7
51	41.0	32.1	48.1
86	61.5	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 51.365 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 96 Resp: 6343

Ion	Ratio	Lower	Upper
96	100		
61	140.3	117.0	175.4
98	63.9	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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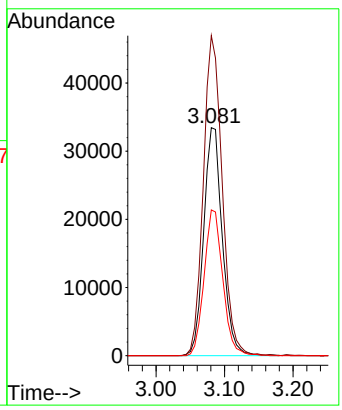
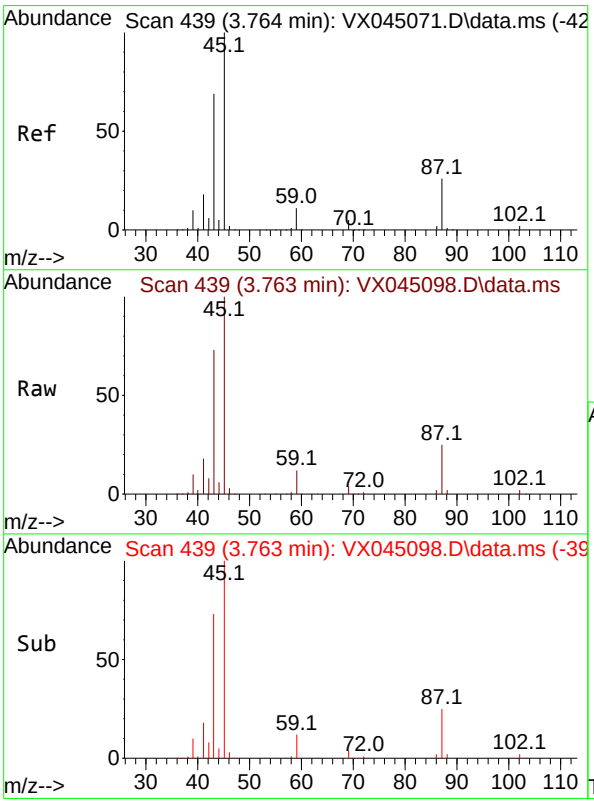
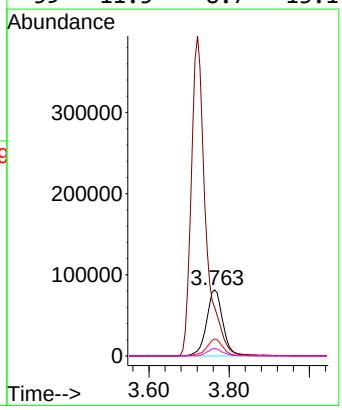


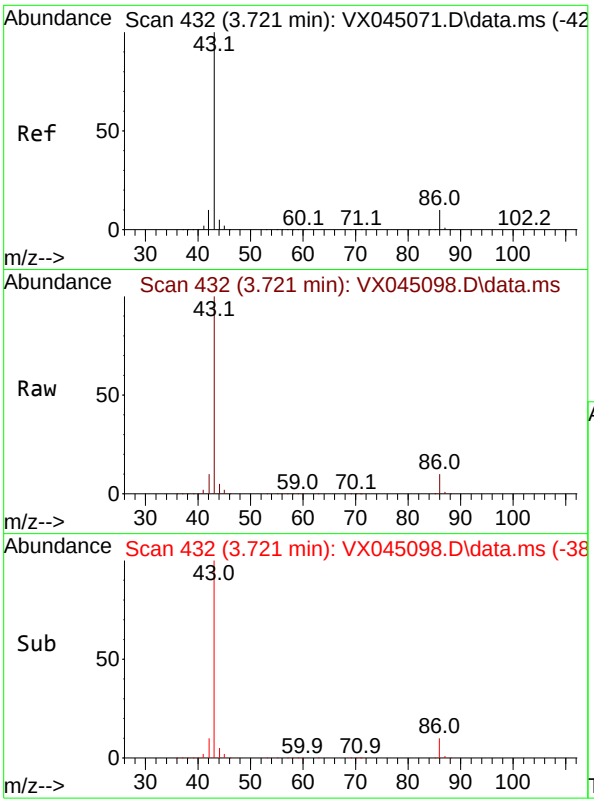


#22
Diisopropyl ether
Concen: 50.987 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 45 Resp: 230741

Ion	Ratio	Lower	Upper
45	100		
43	73.1	54.9	82.3
87	25.3	21.0	31.4
59	11.5	8.7	13.1





#23
Vinyl Acetate
Concen: 259.857 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 98137

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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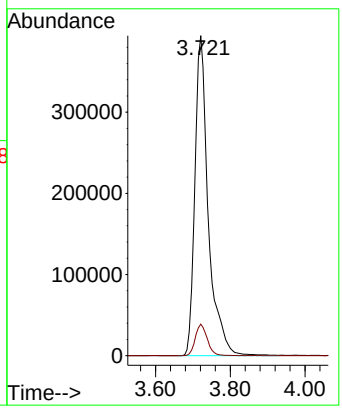
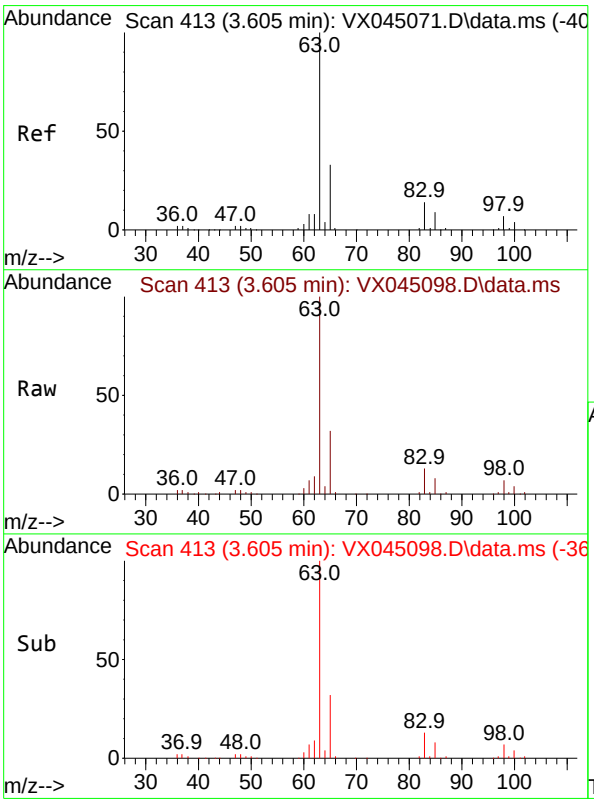
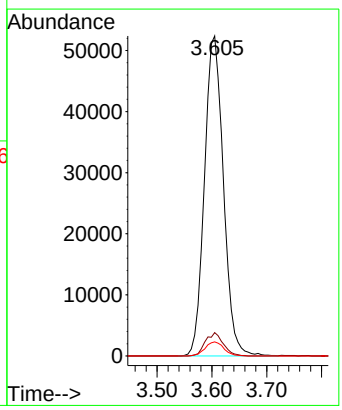


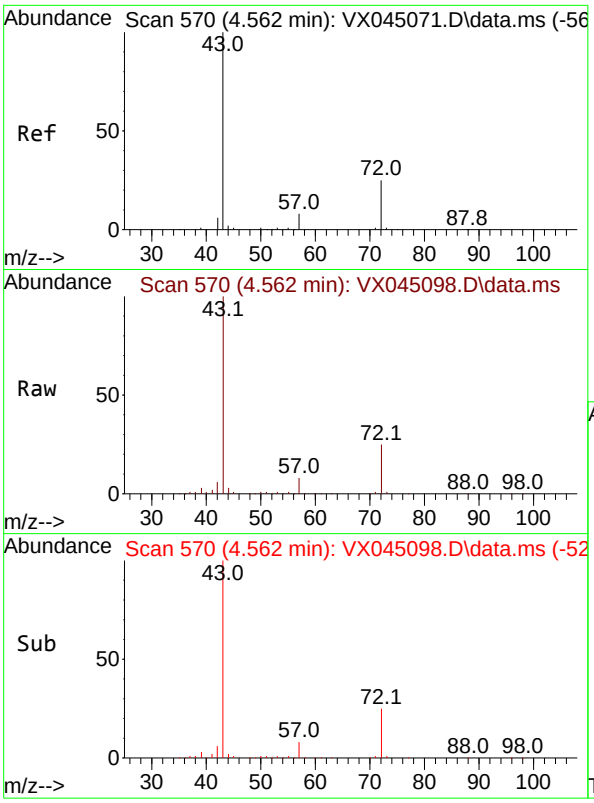


#24
1,1-Dichloroethane
Concen: 49.621 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 63 Resp: 125852

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.4	2.1	6.5





#25
2-Butanone
Concen: 241.451 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 27287

Ion	Ratio	Lower	Upper
43	100		
72	24.9	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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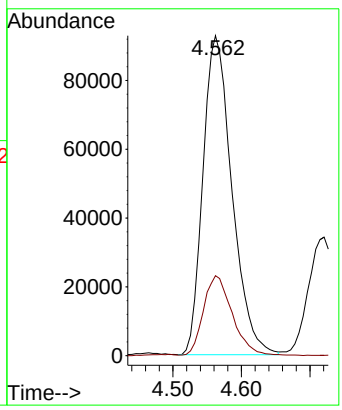
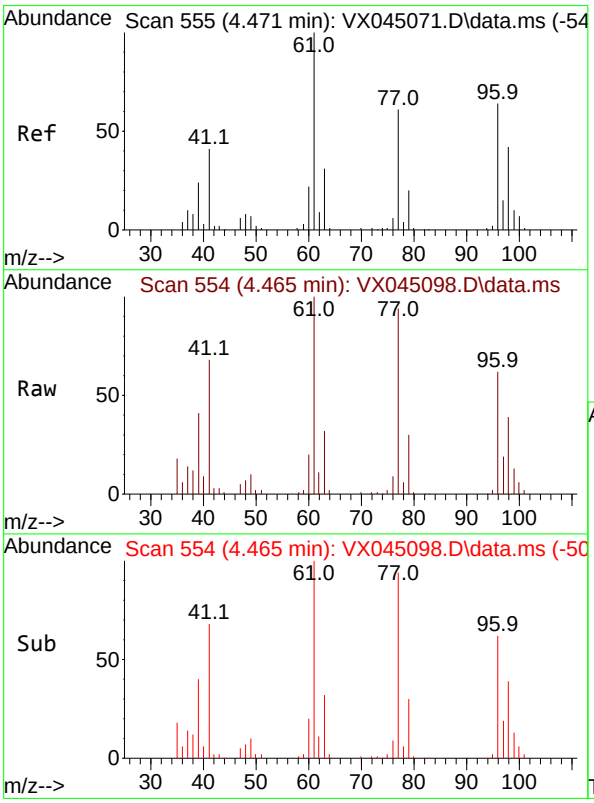
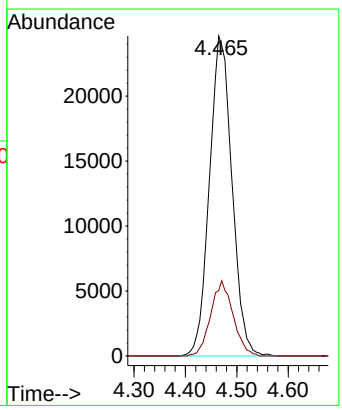


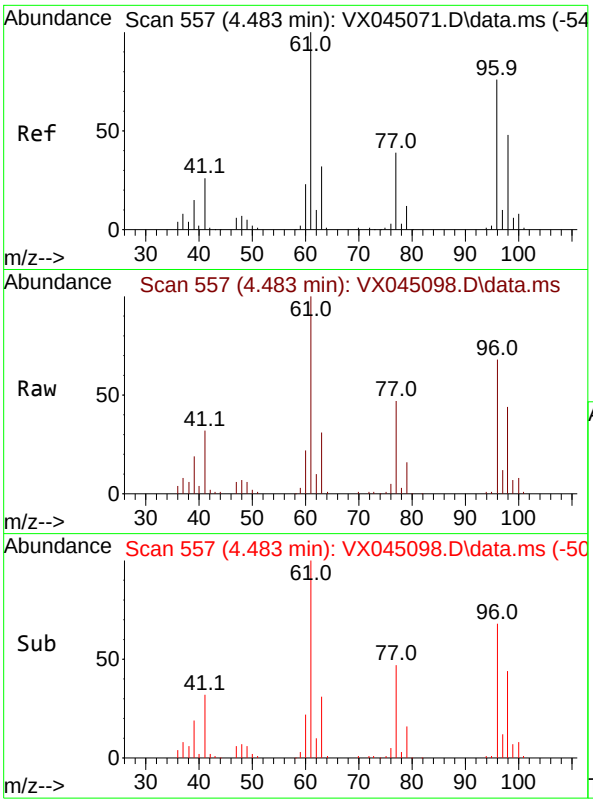


#26
2,2-Dichloropropane
Concen: 63.029 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 77 Resp: 74982

Ion	Ratio	Lower	Upper
77	100		
97	23.3	12.4	37.0

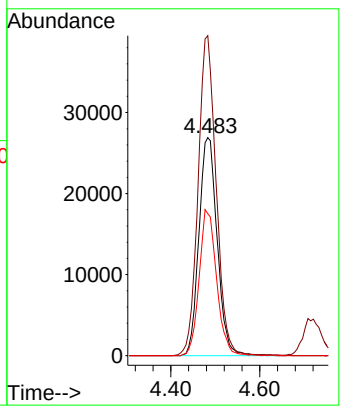




#27
cis-1,2-Dichloroethene
Concen: 50.434 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 96 Resp: 7688

Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	283.2
98	64.0	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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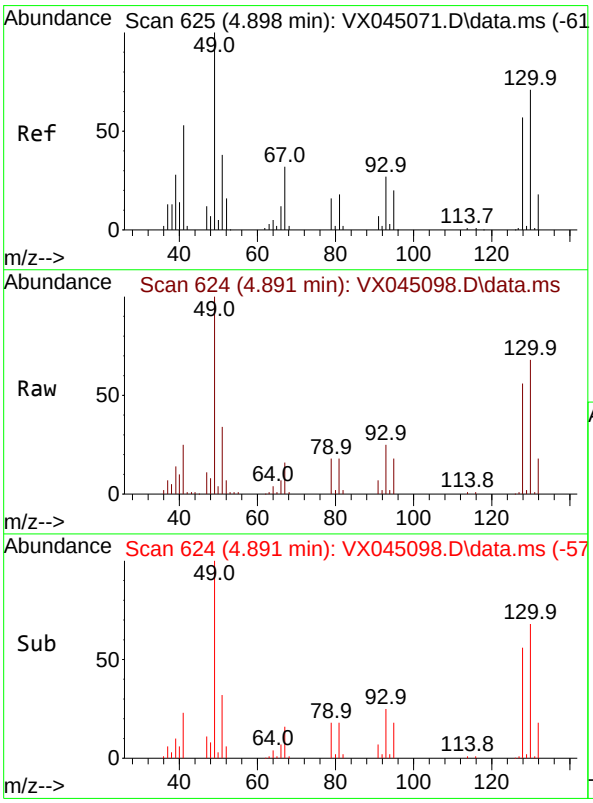
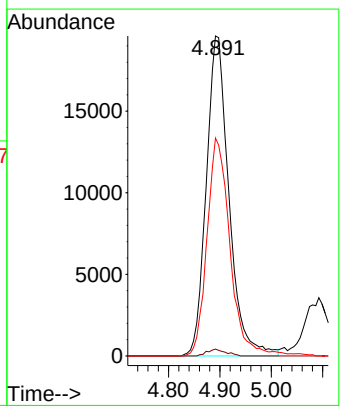
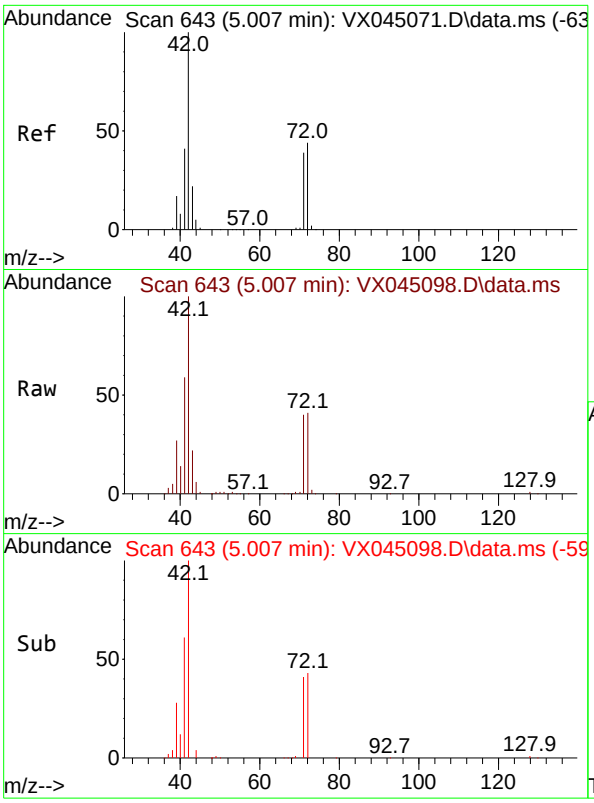


#28
Bromochloromethane
Concen: 49.771 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 49 Resp: 60168

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	69.0	56.1	84.1

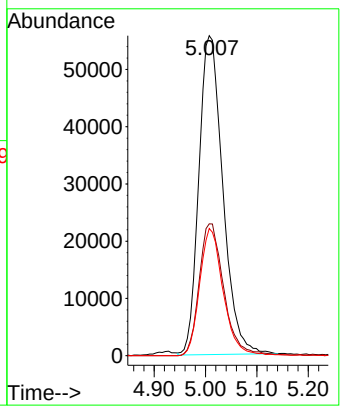




#29
Tetrahydrofuran
Concen: 238.042 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 42 Resp: 18066

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.1	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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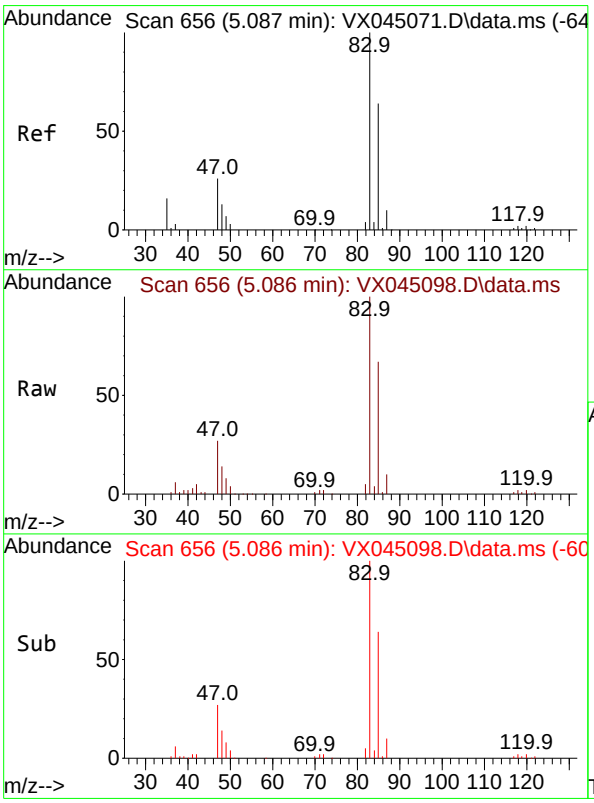
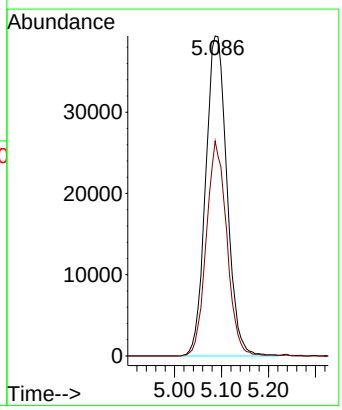
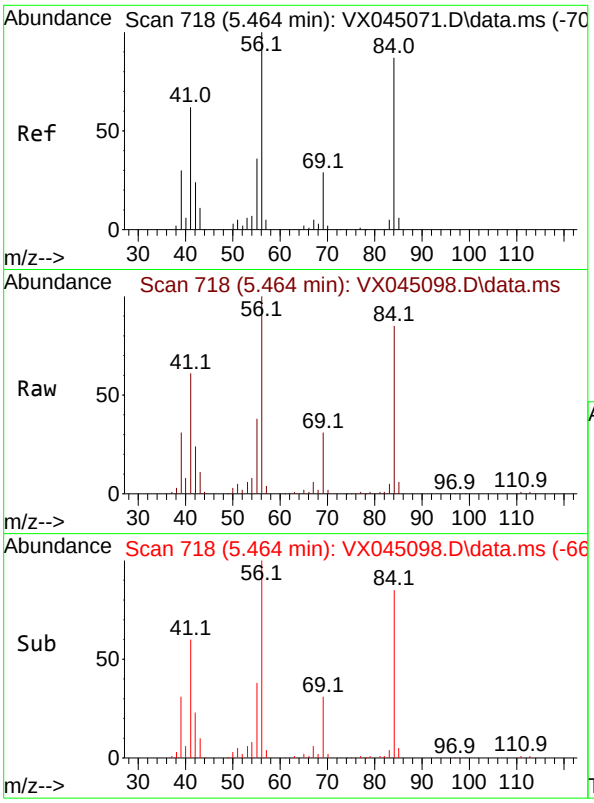


#30
Chloroform
Concen: 49.194 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 83 Resp: 123972

Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.4	77.2





#31
Cyclohexane
Concen: 51.583 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 56 Resp: 11356

Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.4	35.2
84	83.5	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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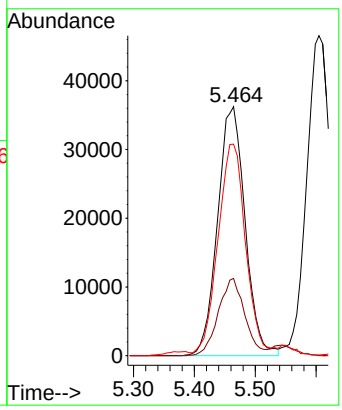
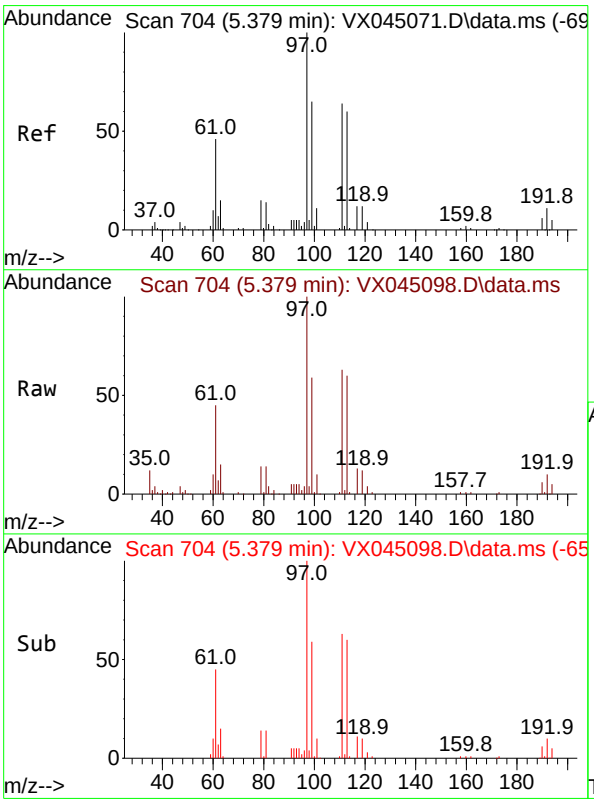
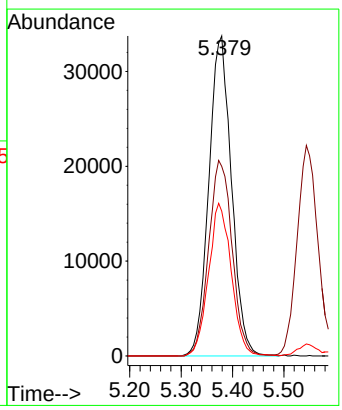


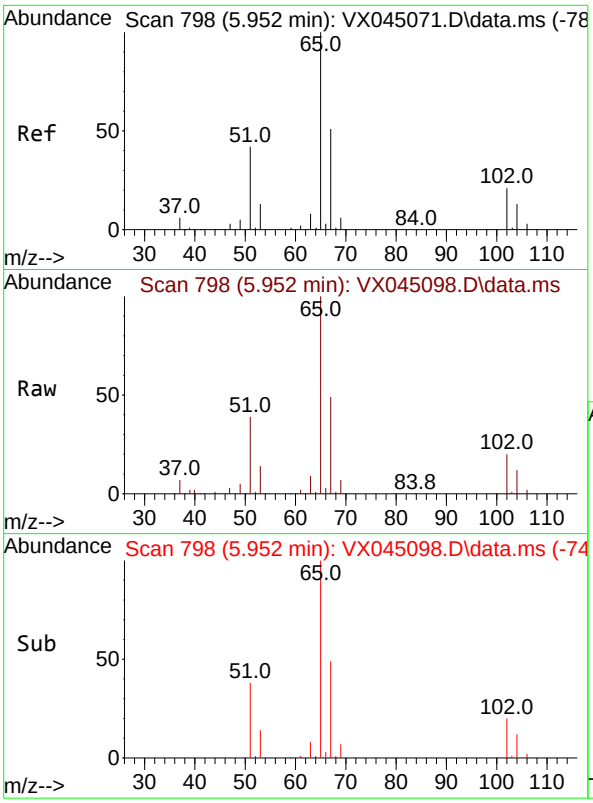


#32
1,1,1-Trichloroethane
Concen: 50.622 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 97 Resp: 103034

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	48.0	38.4	57.6

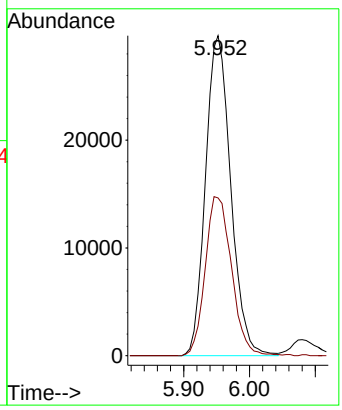




#33
1,2-Dichloroethane-d4
Concen: 49.047 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 65 Resp: 7936

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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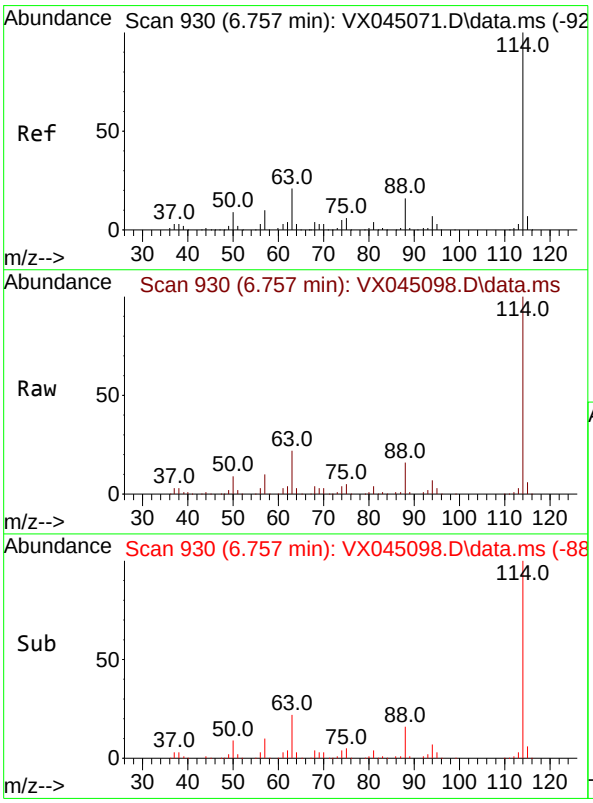
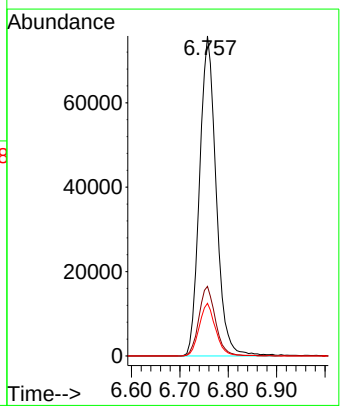
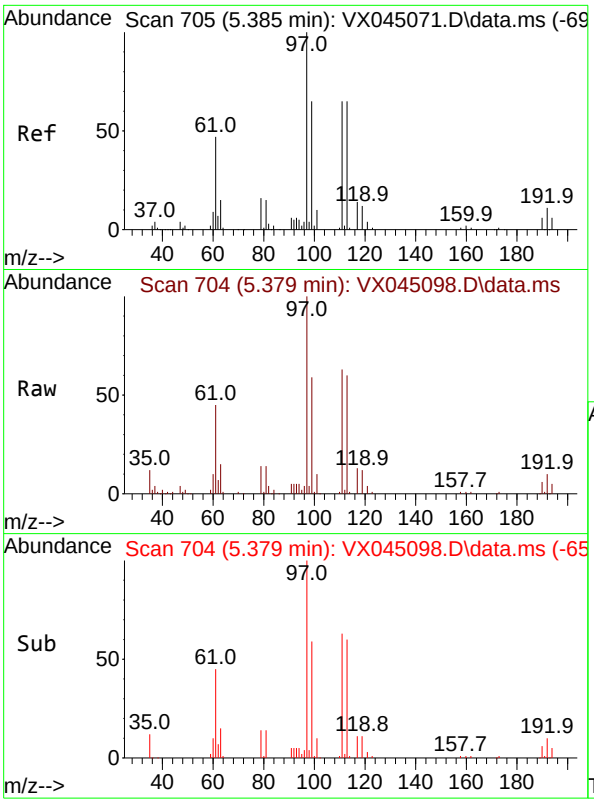


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:114 Resp: 181021

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	16.5	0.0	32.8

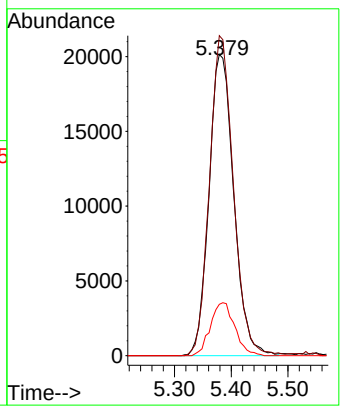




#35
Dibromofluoromethane
Concen: 50.487 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:113 Resp: 6111

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.3	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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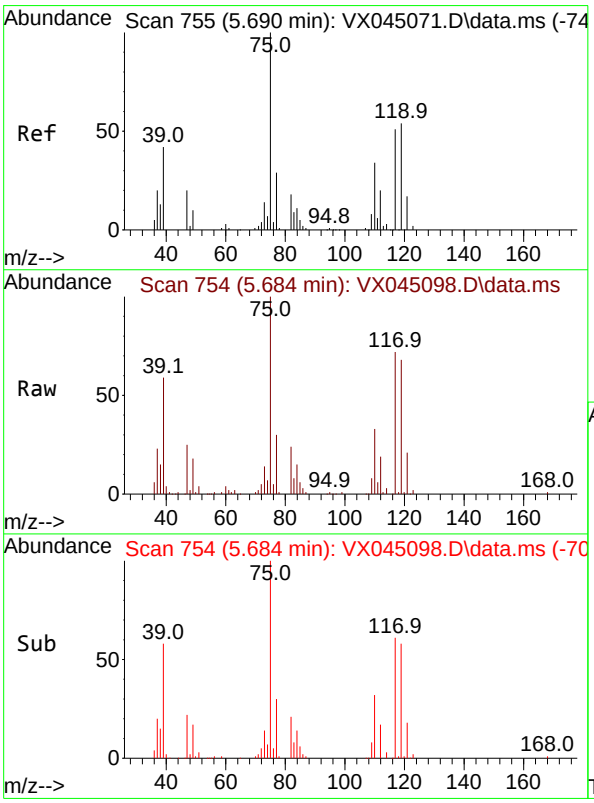
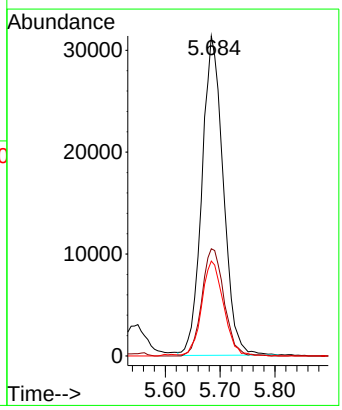
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

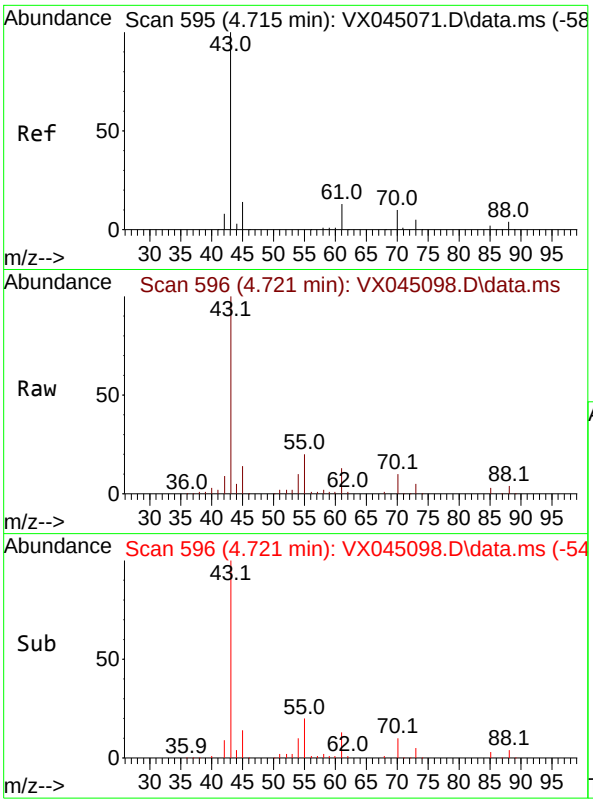


#36
1,1-Dichloropropene
Concen: 50.969 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 84609

Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.9	50.6
77	30.4	24.5	36.7





#37
Ethyl Acetate
Concen: 48.511 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 10376

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.8	16.2
70	9.7	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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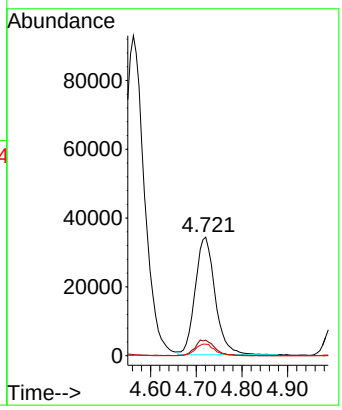
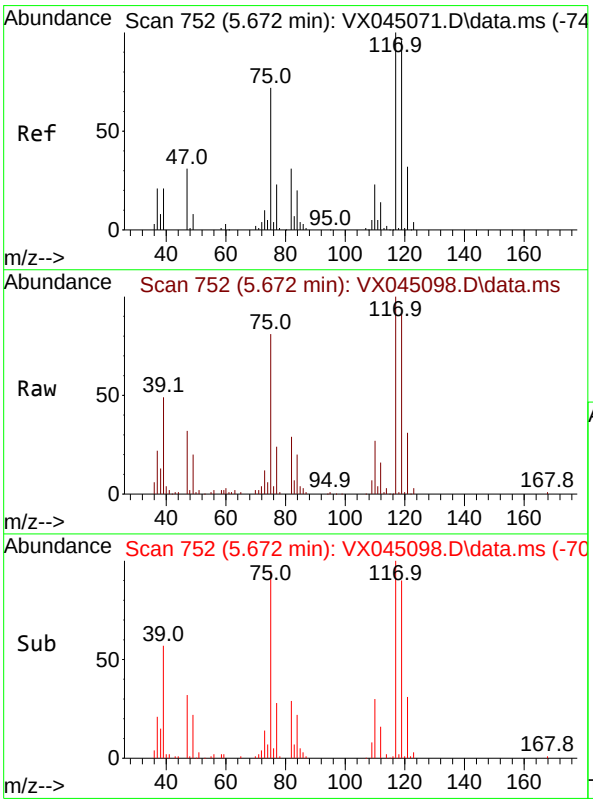
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

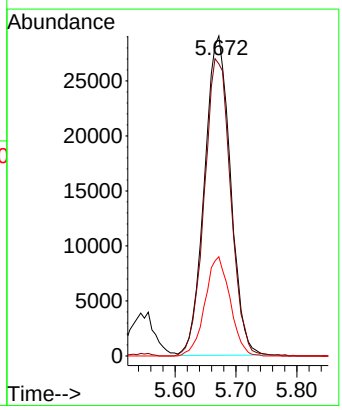


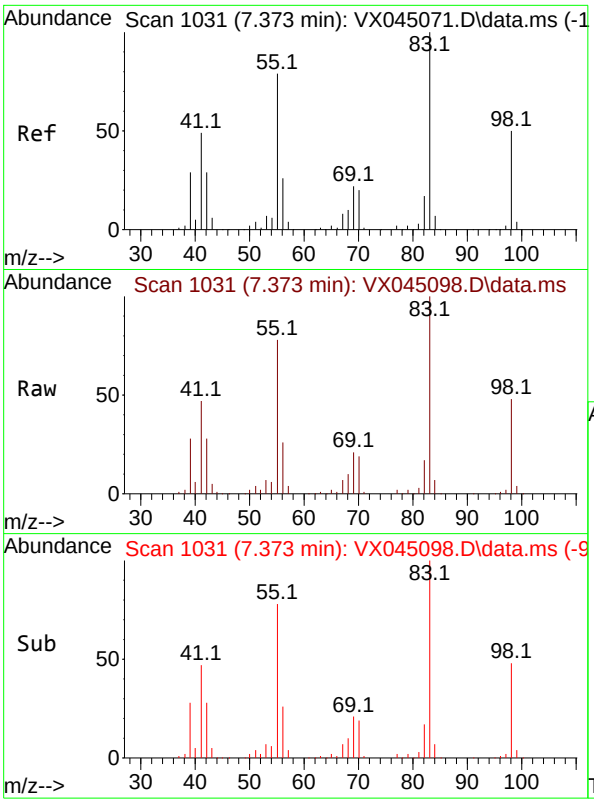


#38
Carbon Tetrachloride
Concen: 51.004 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:117 Resp: 85957

Ion	Ratio	Lower	Upper
117	100		
119	91.2	76.7	115.1
121	31.1	25.5	38.3

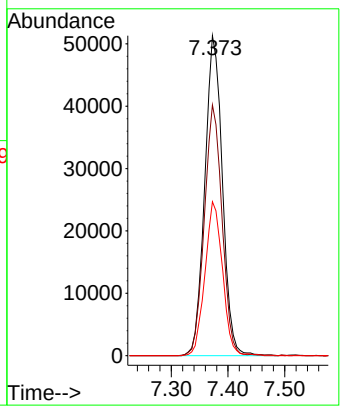




#39
Methylcyclohexane
Concen: 55.680 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 83 Resp: 11075

Ion	Ratio	Lower	Upper
83	100		
55	78.4	63.0	94.4
98	48.1	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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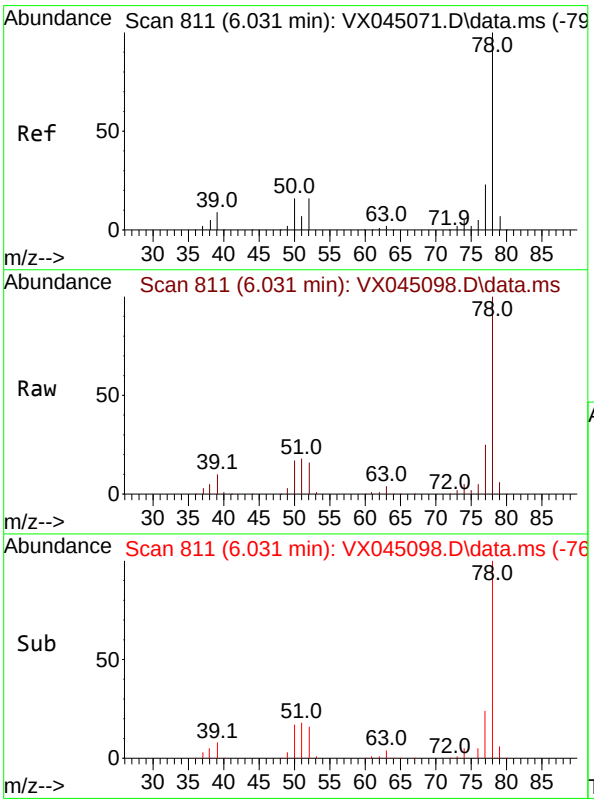
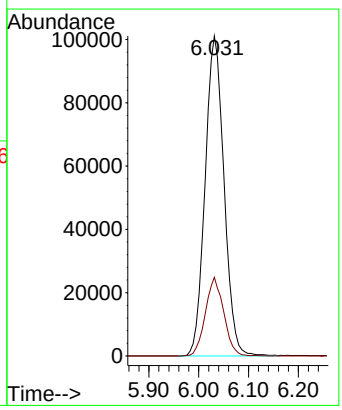
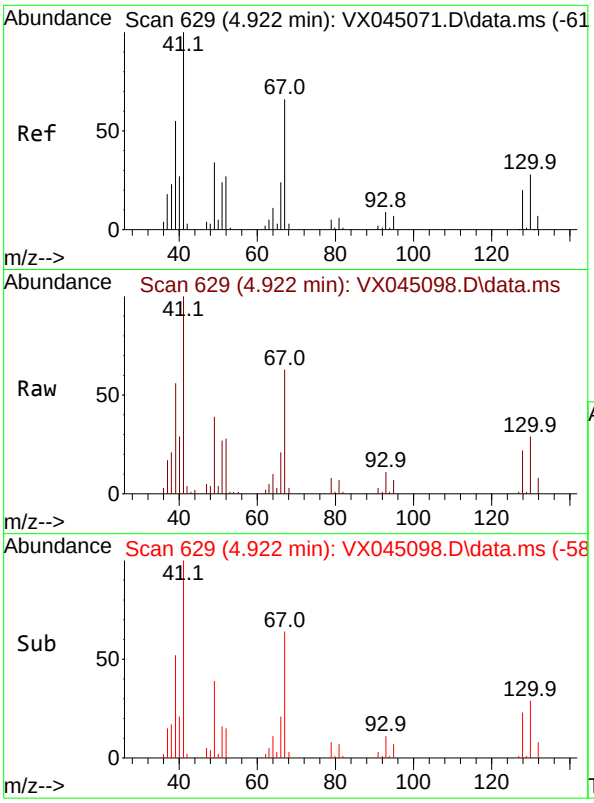


#40
Benzene
Concen: 50.791 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 78 Resp: 266243

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2

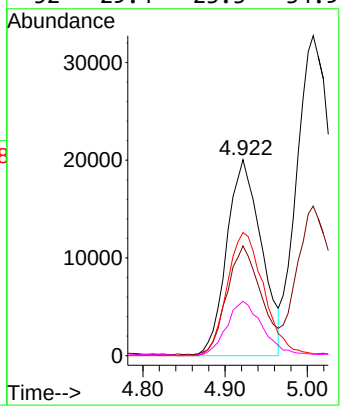




#41
Methacrylonitrile
Concen: 50.896 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 41 Resp: 5886

Ion	Ratio	Lower	Upper
41	100		
39	54.4	44.6	67.0
67	67.0	53.9	80.9
52	29.4	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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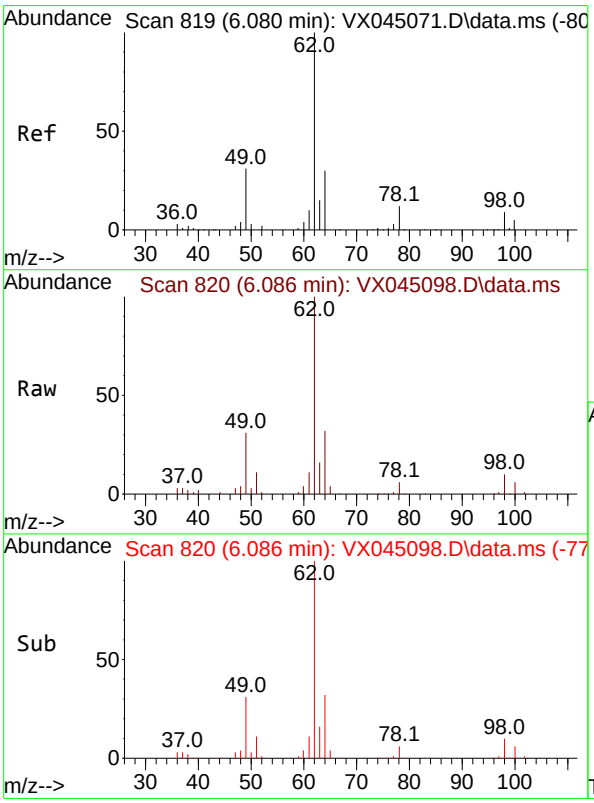
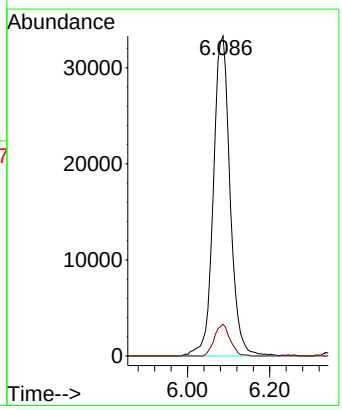
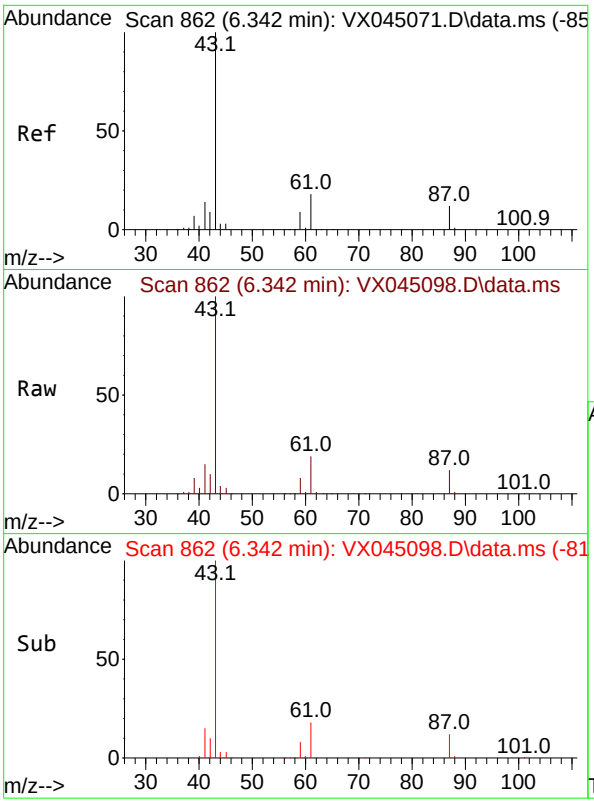


#42
1,2-Dichloroethane
Concen: 49.909 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 62 Resp: 94209

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43
Isopropyl Acetate
Concen: 51.105 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 16164

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 03/03/2025
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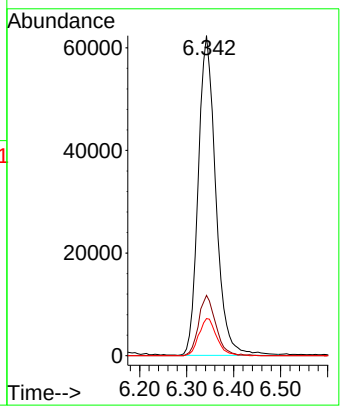
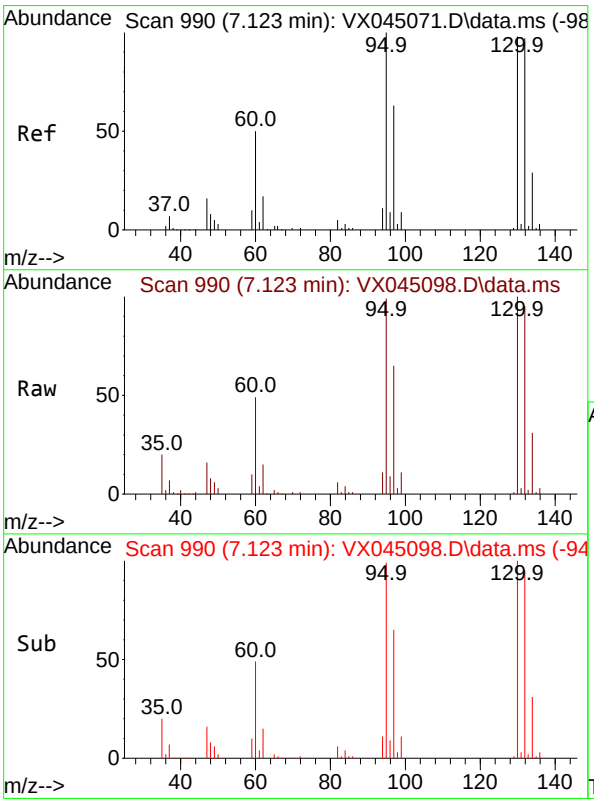
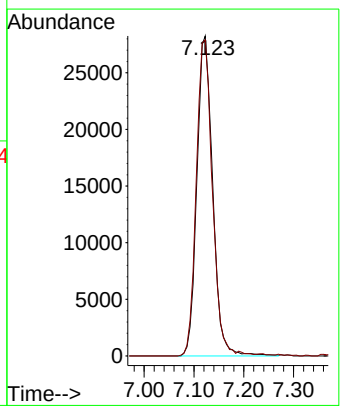


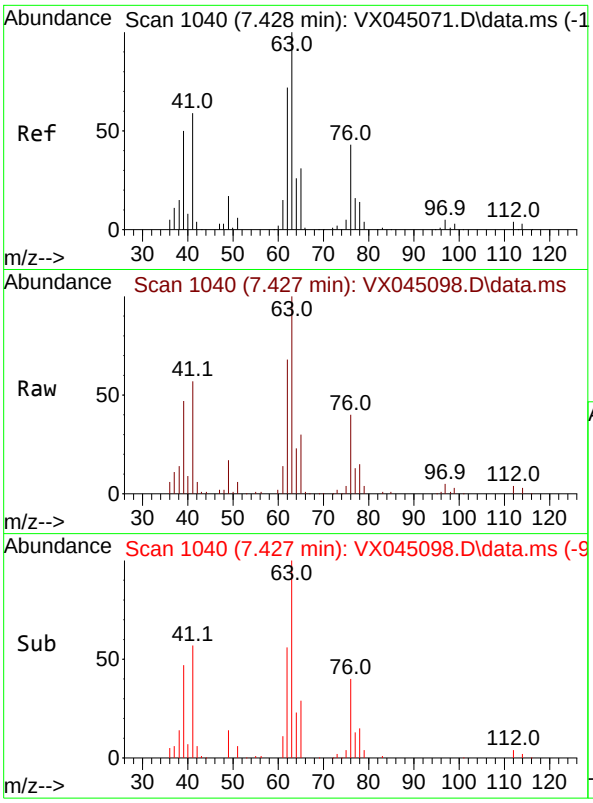


#44
Trichloroethene
Concen: 50.539 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:130 Resp: 62206

Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	205.0

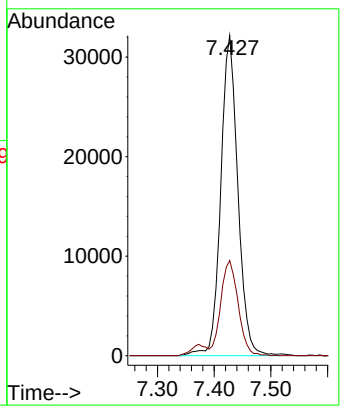




#45
1,2-Dichloropropane
Concen: 50.023 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 63 Resp: 6741

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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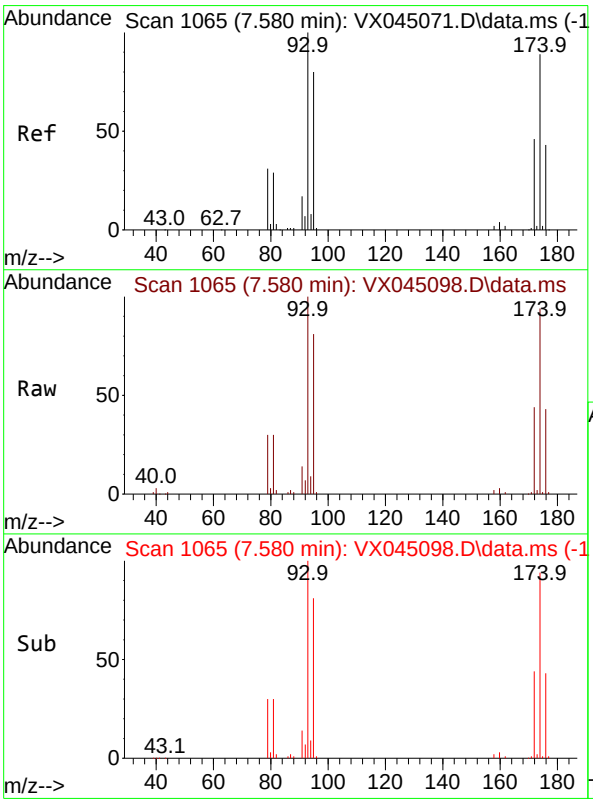
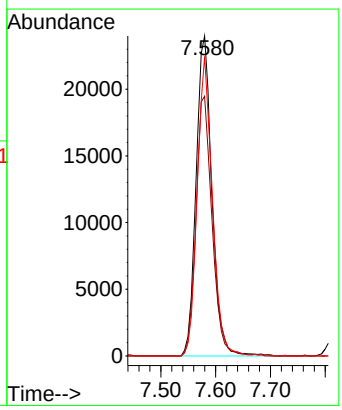
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

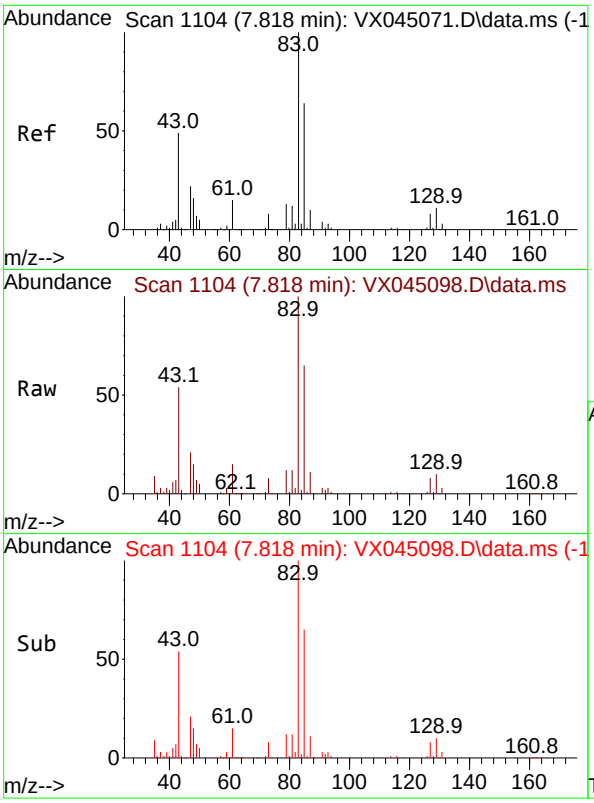


#46
Dibromomethane
Concen: 50.658 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 93 Resp: 48257

Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.8	98.8
174	89.8	72.2	108.2

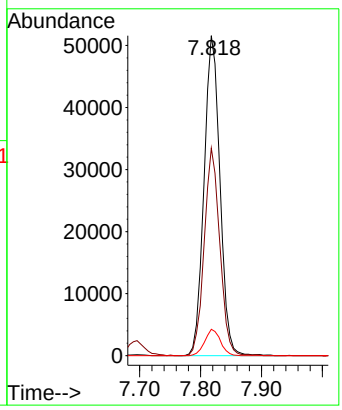




#47
Bromodichloromethane
Concen: 50.147 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 83 Resp: 9370

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7
127	8.2	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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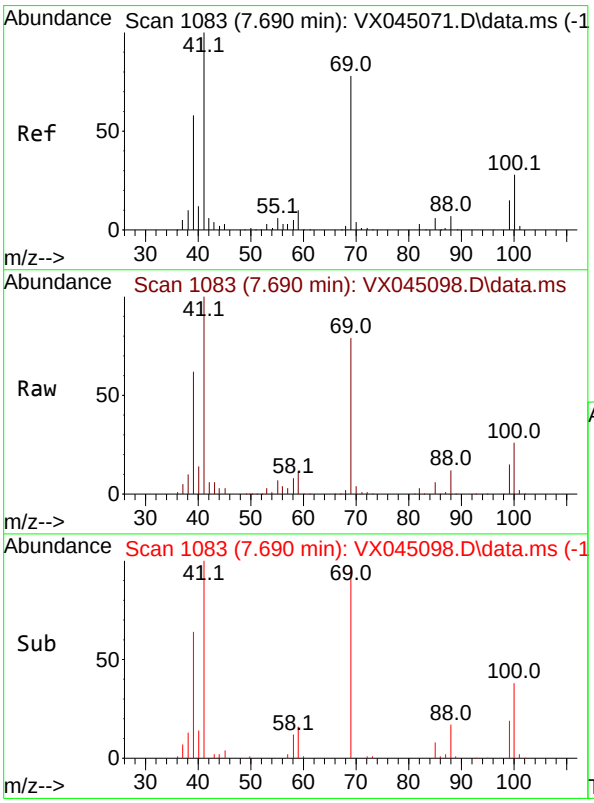
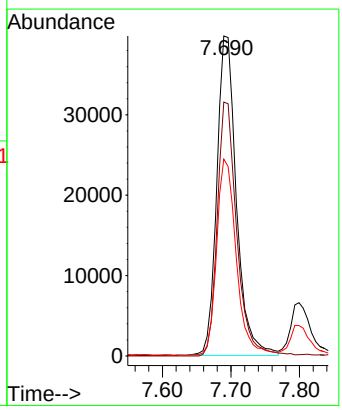
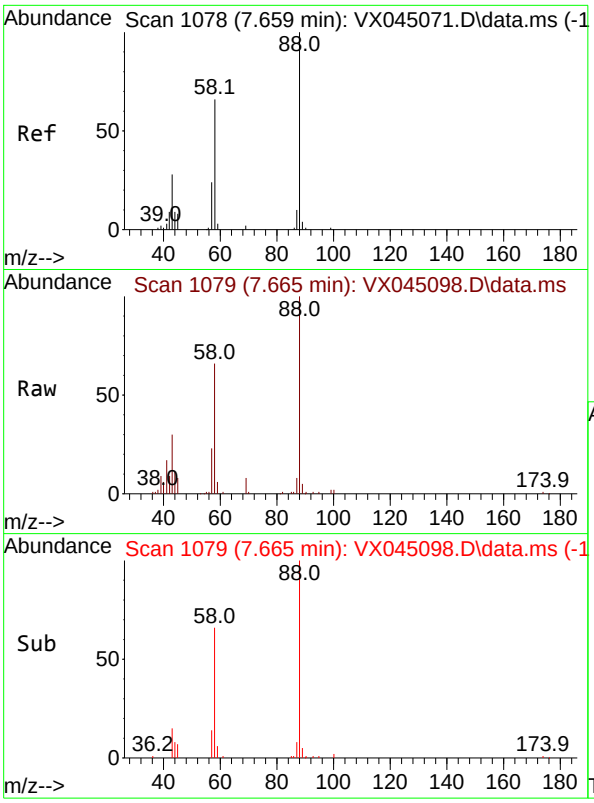


#48
Methyl methacrylate
Concen: 49.791 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 41 Resp: 79010

Ion	Ratio	Lower	Upper
41	100		
69	78.7	63.0	94.6
39	61.2	47.5	71.3





#49
1,4-Dioxane
Concen: 943.544 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 88 Resp: 3158

Ion	Ratio	Lower	Upper
88	100		
43	35.8	28.7	43.1
58	71.7	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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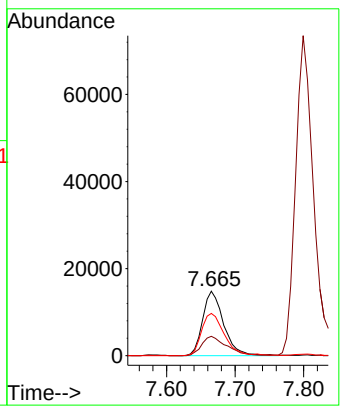
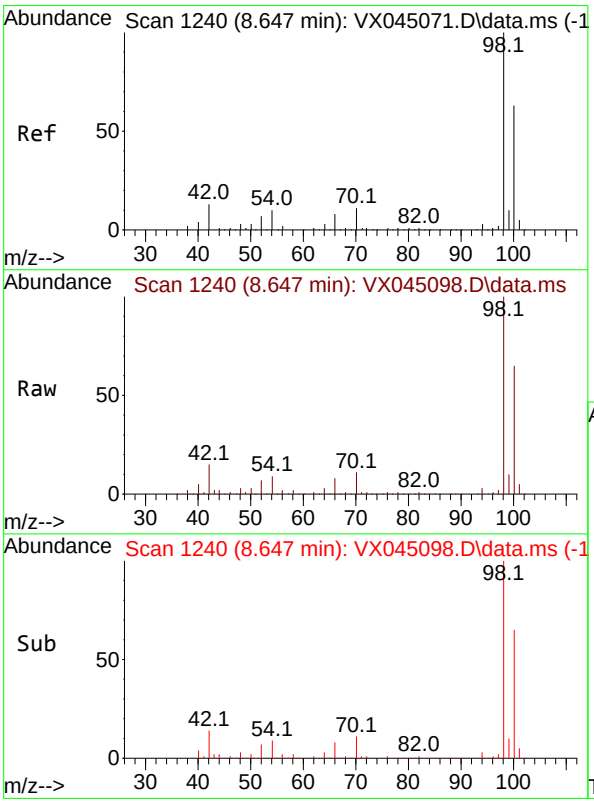
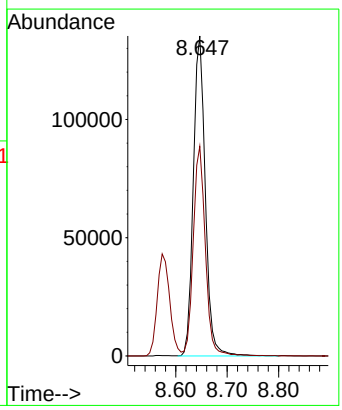


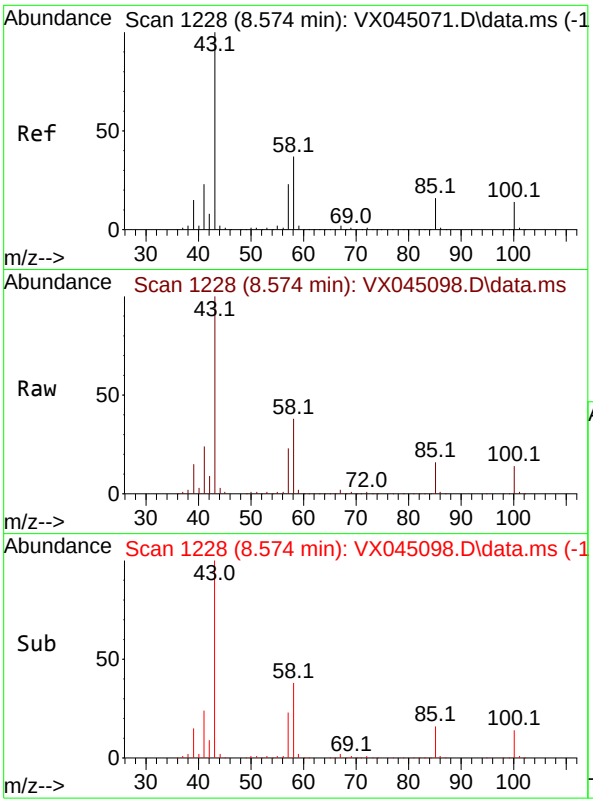


#50
Toluene-d8
Concen: 49.952 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 98 Resp: 219202

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.0	78.0

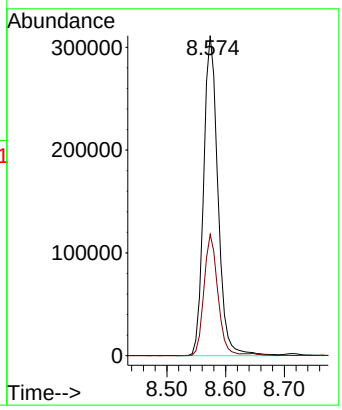




#51
4-Methyl-2-Pentanone
Concen: 248.148 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 52700

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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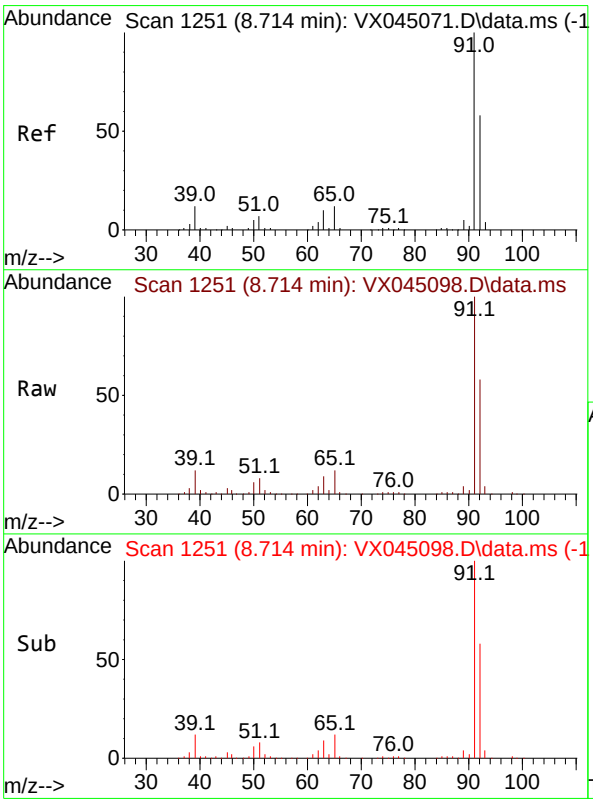
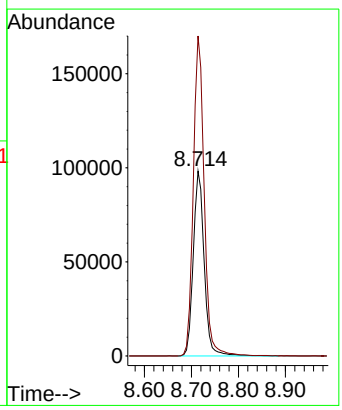
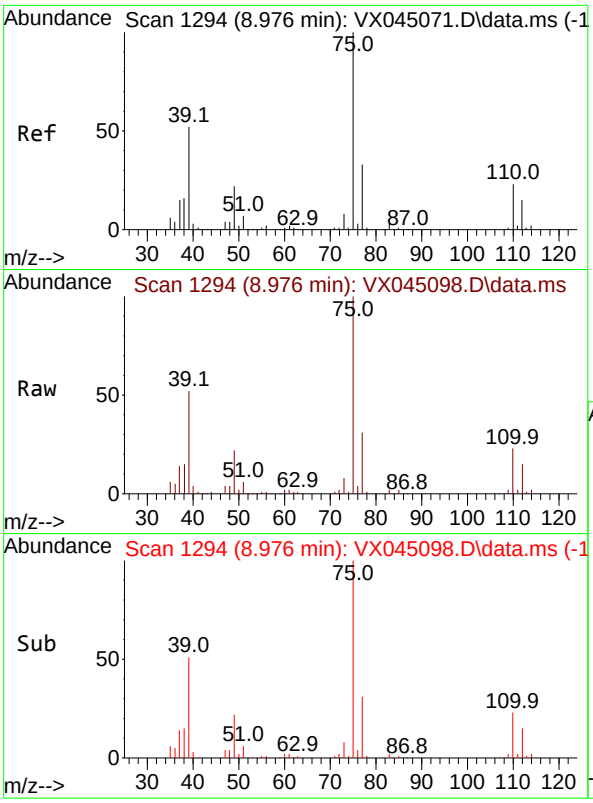


#52
Toluene
Concen: 51.738 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 92 Resp: 159122

Ion	Ratio	Lower	Upper
92	100		
91	172.4	138.9	208.3

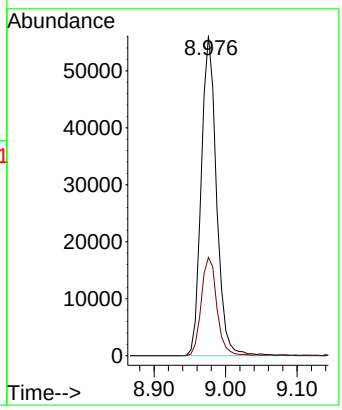




#53
t-1,3-Dichloropropene
Concen: 53.255 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 8318

Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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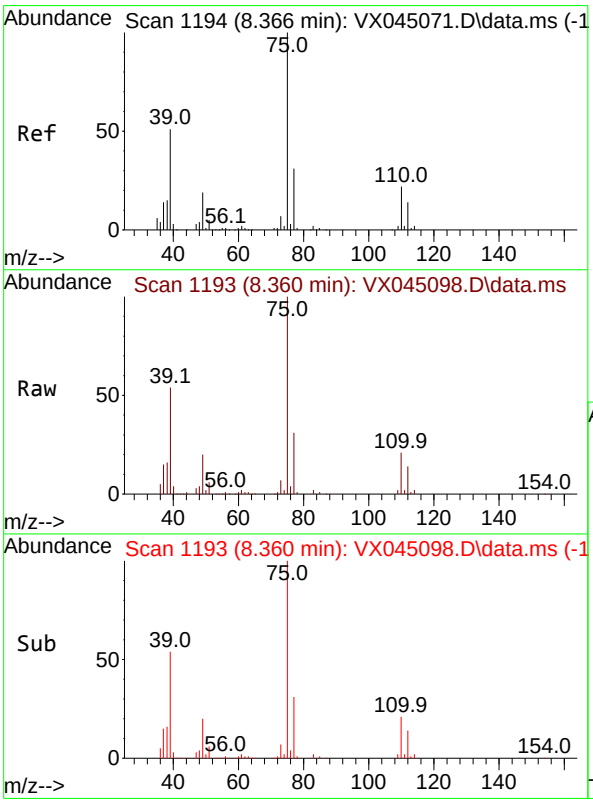
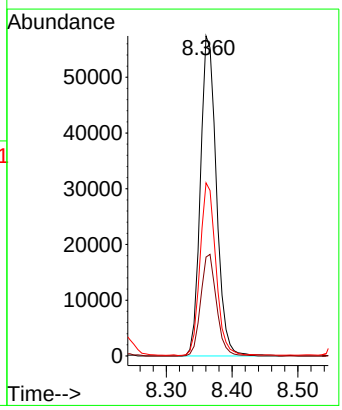
Supervised By :Mahesh Dadoda 03/03/2025

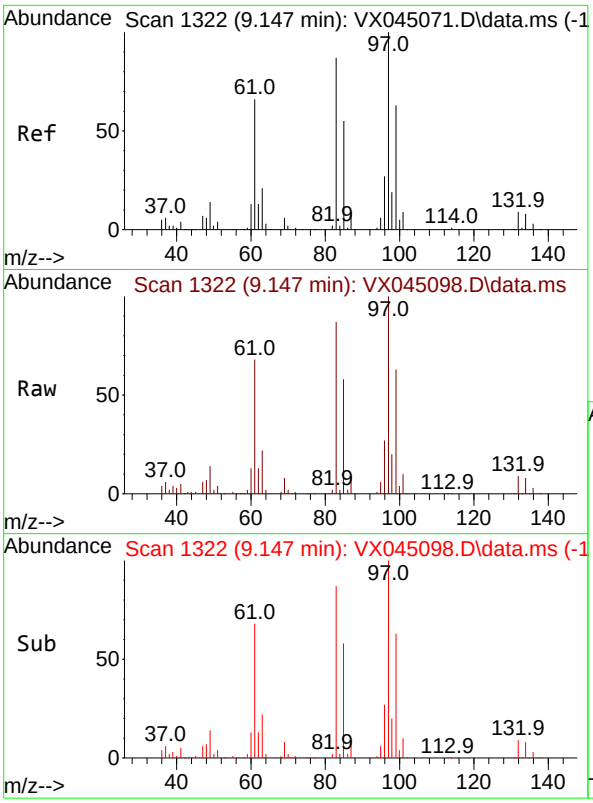


#54
cis-1,3-Dichloropropene
Concen: 53.261 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 97016

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	53.9	40.7	61.1

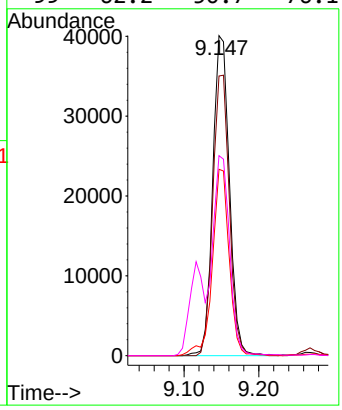




#55
1,1,2-Trichloroethane
Concen: 48.933 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 97 Resp: 6195

Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.4	104.2
85	58.2	44.1	66.1
99	62.2	50.7	76.1



Instrument :
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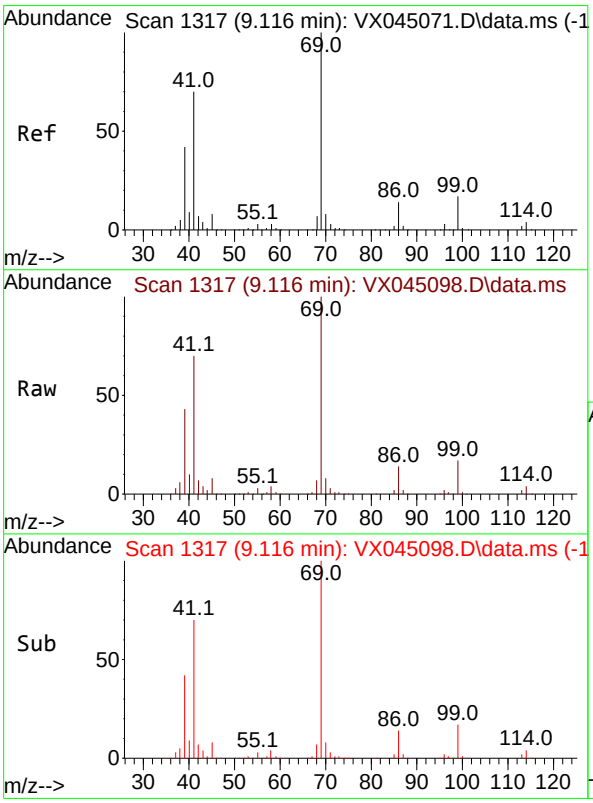
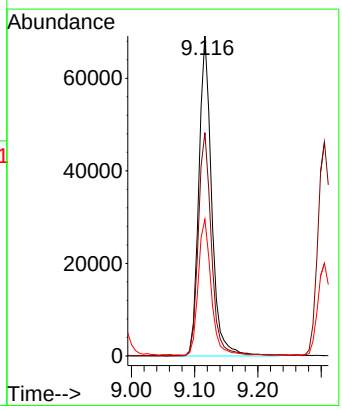
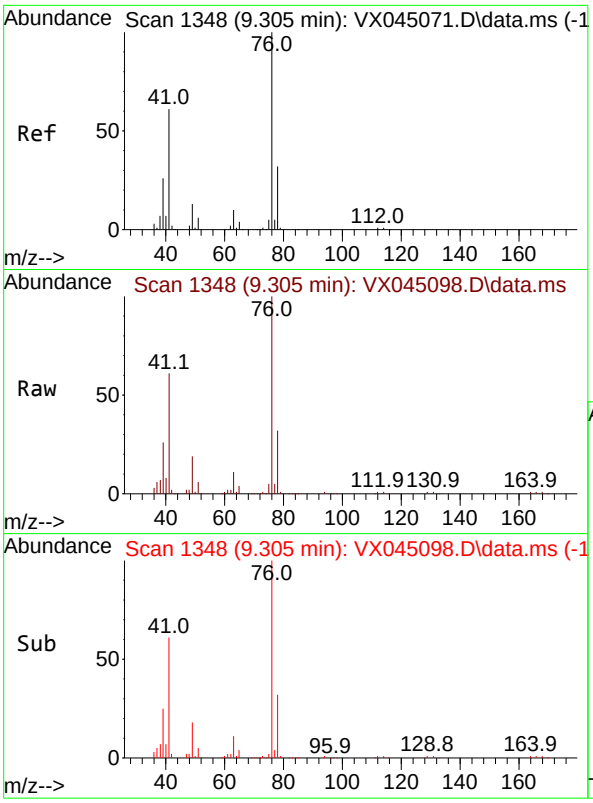


#56
Ethyl methacrylate
Concen: 50.898 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 69 Resp: 97958

Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.0	85.4
39	42.2	34.2	51.4





#57
1,3-Dichloropropane
Concen: 49.251 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 76 Resp: 10791

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

Instrument :
MSVOA_X
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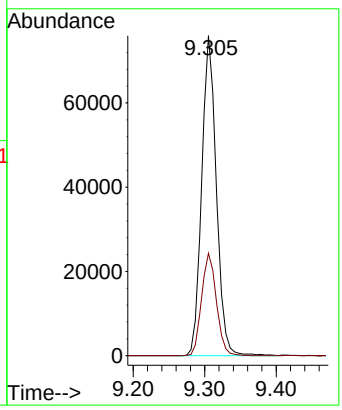
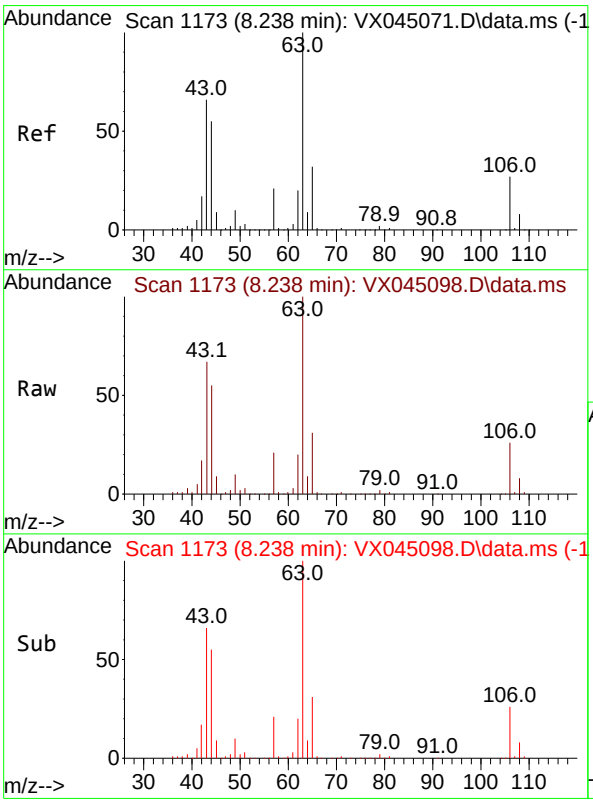
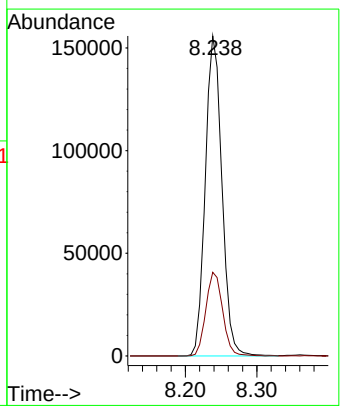


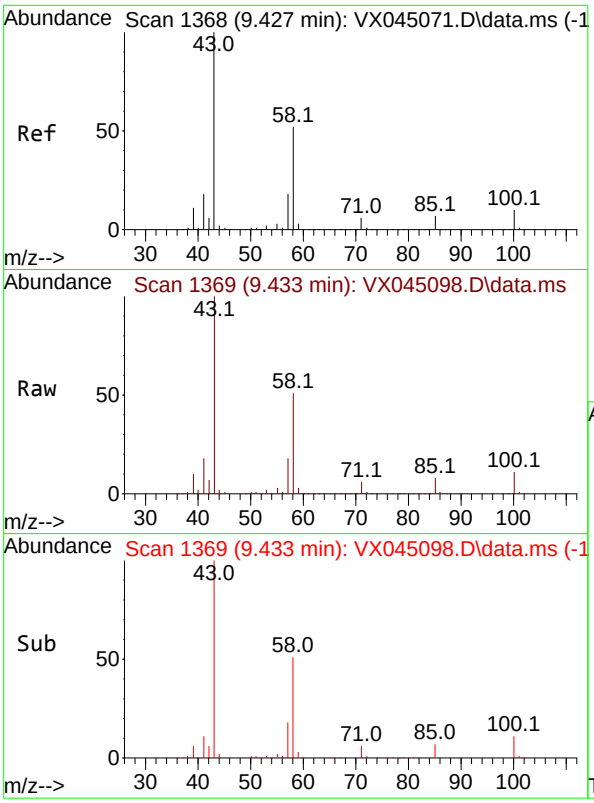


#58
2-Chloroethyl Vinyl ether
Concen: 267.883 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 63 Resp: 251496

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3





#59
2-Hexanone
Concen: 253.206 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 38962

Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
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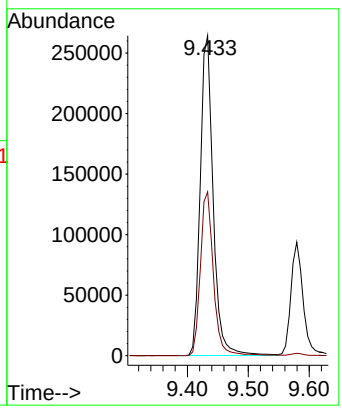
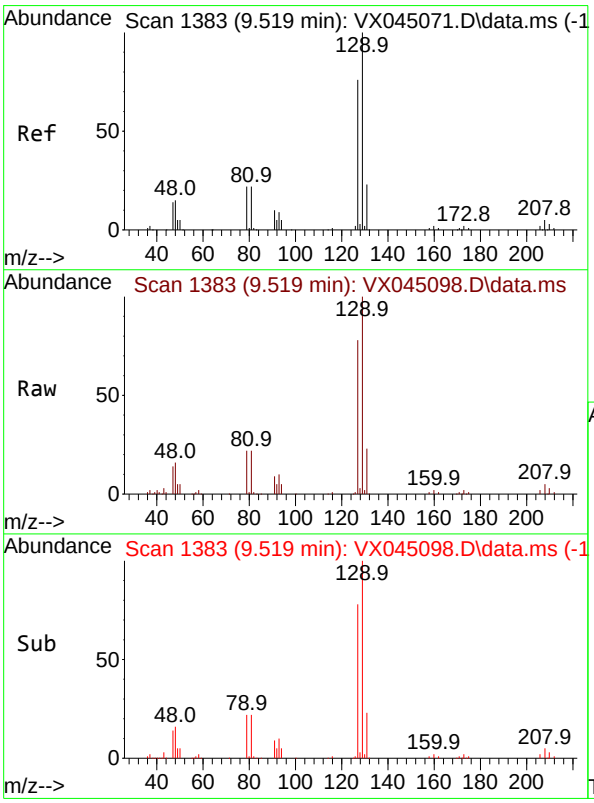
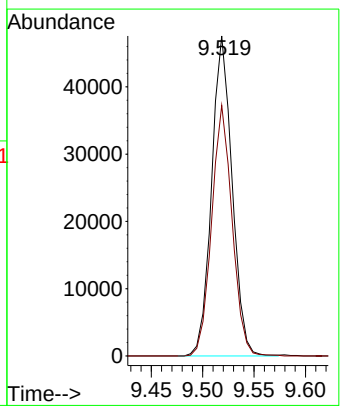


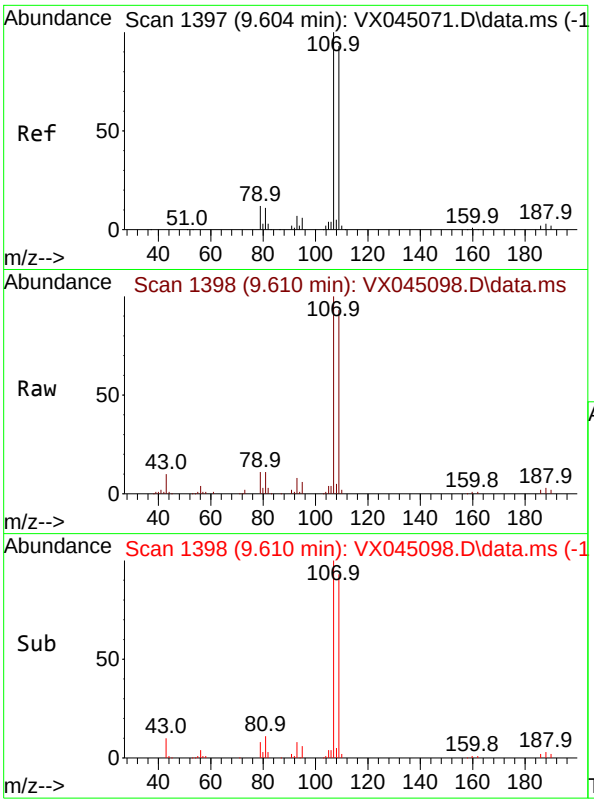


#60
Dibromochloromethane
Concen: 49.736 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:129 Resp: 65842

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.5	115.5

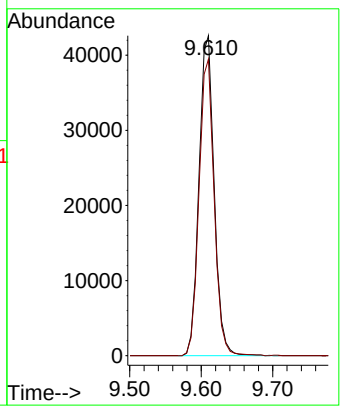




#61
1,2-Dibromoethane
Concen: 49.600 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:107 Resp: 6269

Ion	Ratio	Lower	Upper
107	100		
109	92.5	76.1	114.1



Instrument :
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ClientSampleId :
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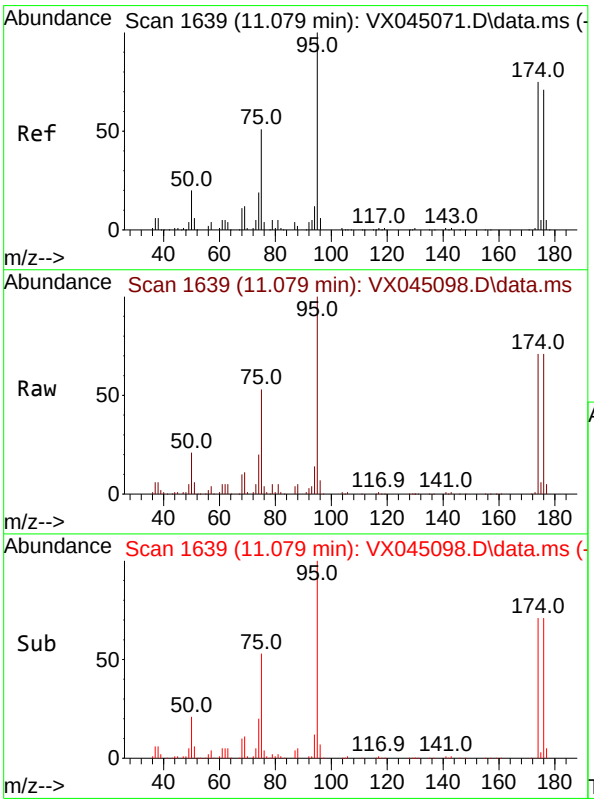
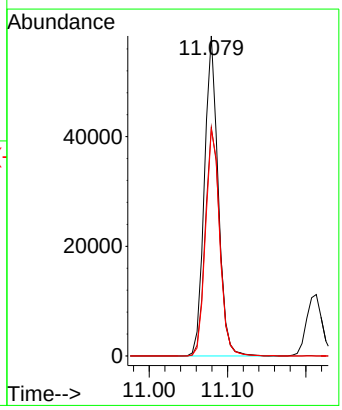
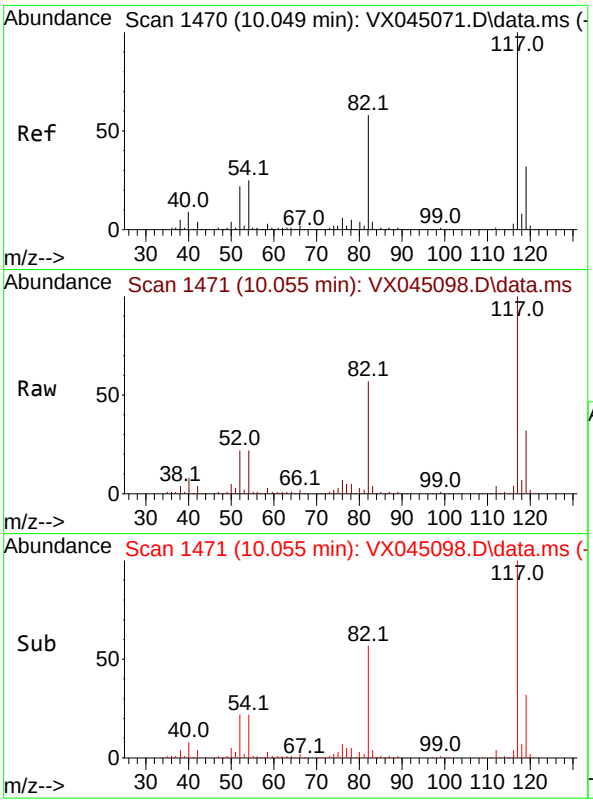


#62
4-Bromofluorobenzene
Concen: 48.831 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 95 Resp: 71007

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	148.2
176	72.9	0.0	141.4

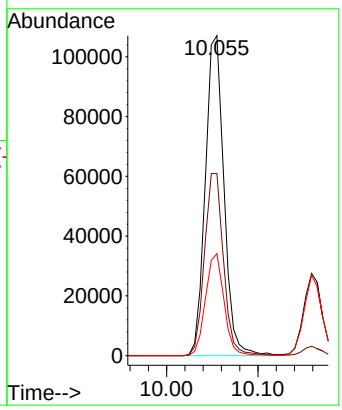




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:117 Resp: 15183

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.3	69.5
119	31.9	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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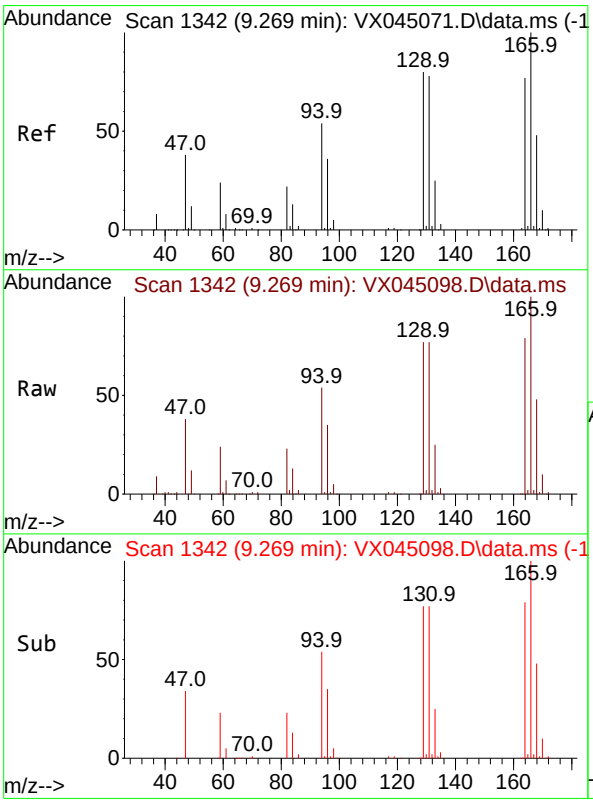
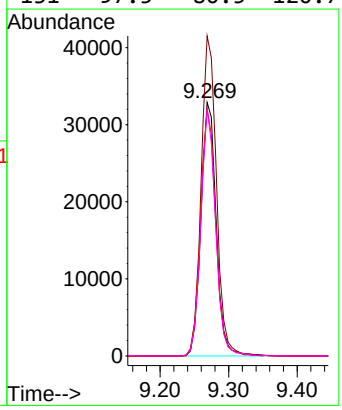
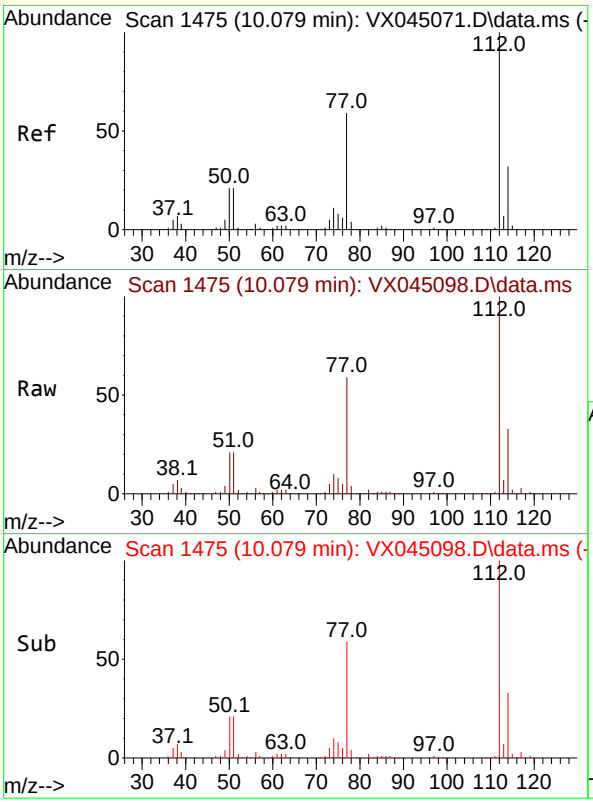


#64
Tetrachloroethene
Concen: 52.227 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:164 Resp: 50788

Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.6	155.4
129	97.4	82.7	124.1
131	97.5	80.5	120.7

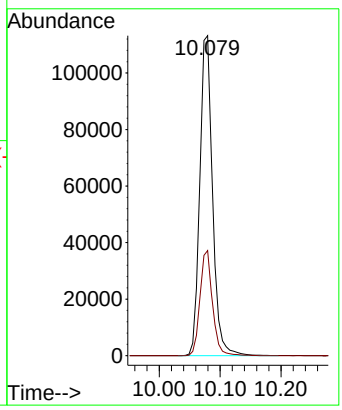




#65
Chlorobenzene
Concen: 51.239 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:112 Resp: 16462

Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.0	39.0



Instrument :
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ClientSampleId :
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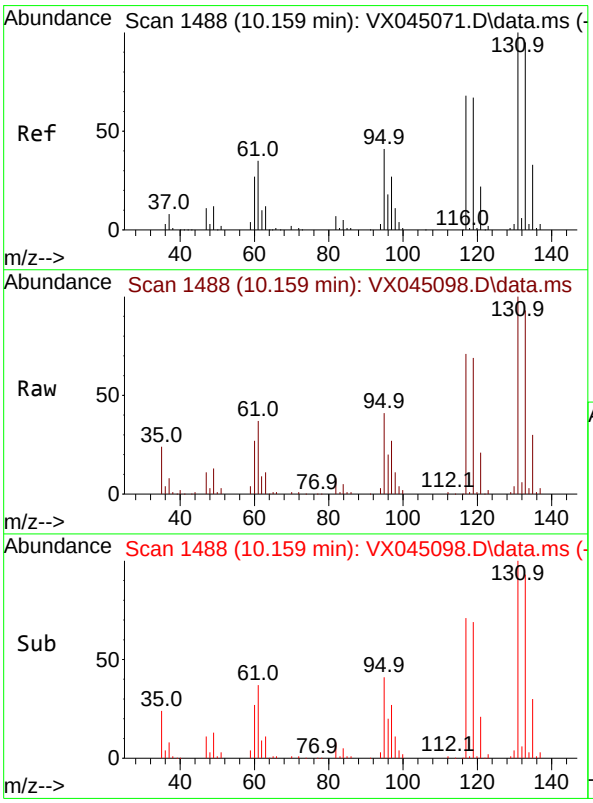
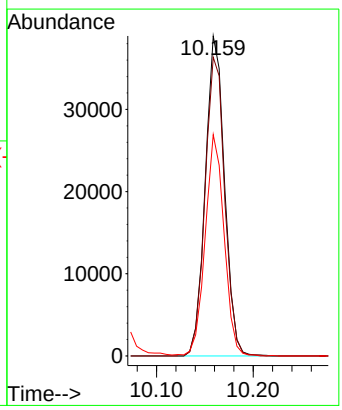
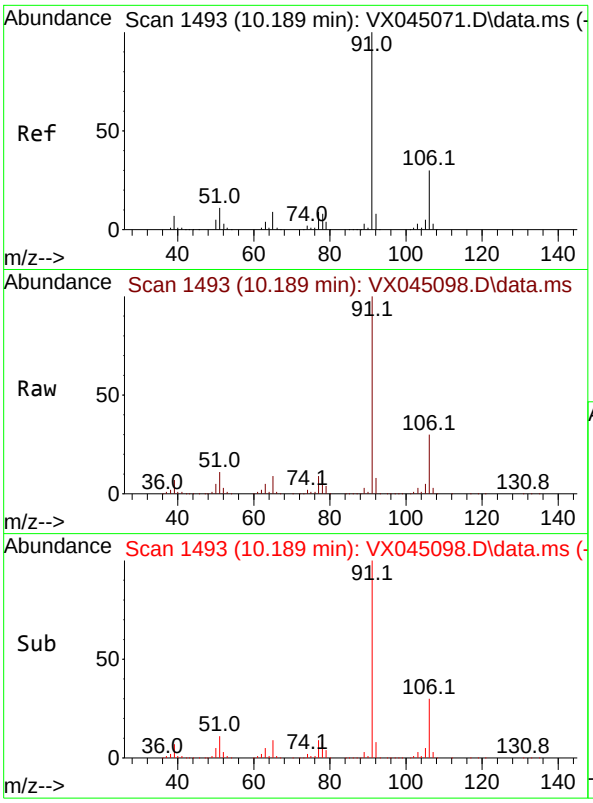


#66
1,1,1,2-Tetrachloroethane
Concen: 50.382 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:131 Resp: 53906

Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.6	145.9
119	68.0	33.9	101.7

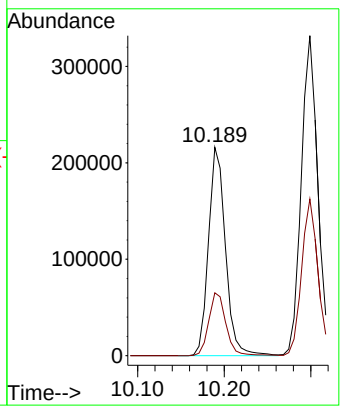




#67
Ethyl Benzene
Concen: 52.678 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 91 Resp: 29489

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.9	35.9



Instrument :
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ClientSampleId :
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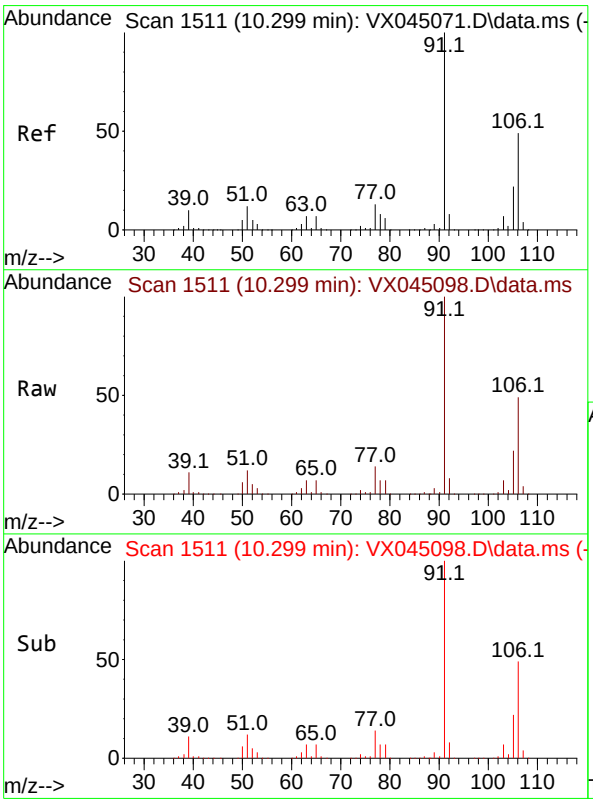
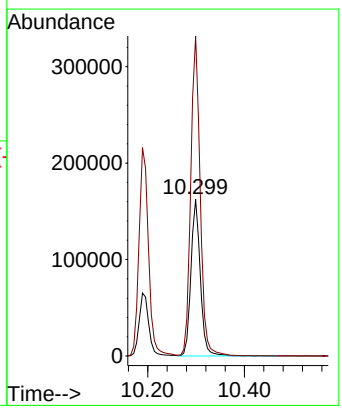
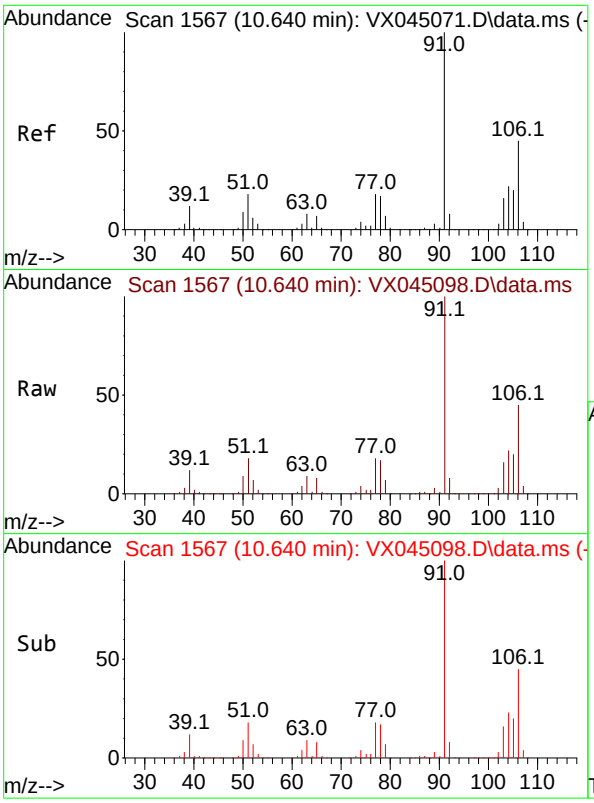


#68
m/p-Xylenes
Concen: 106.271 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:106 Resp: 217787

Ion	Ratio	Lower	Upper
106	100		
91	206.1	165.4	248.0

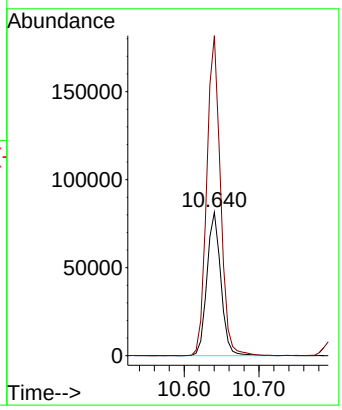




#69
o-Xylene
Concen: 50.972 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:106 Resp: 10535

Ion	Ratio	Lower	Upper
106	100		
91	220.4	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
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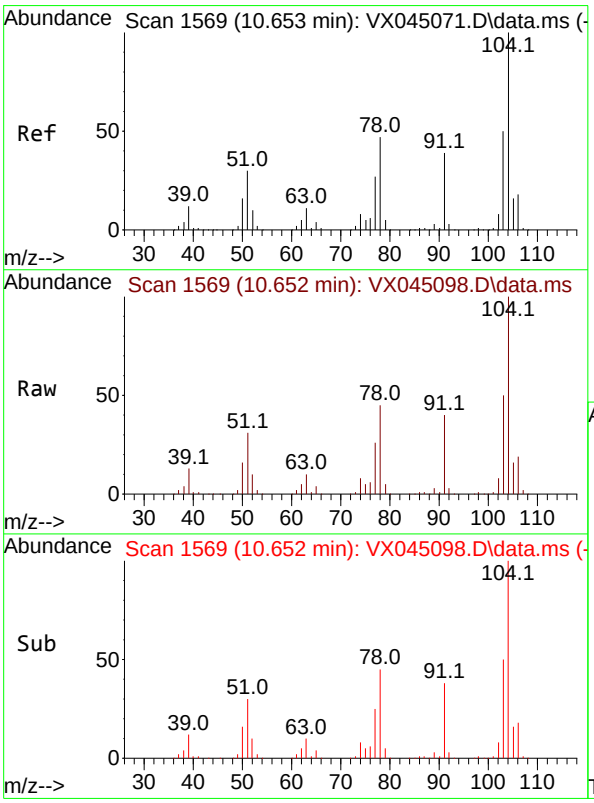
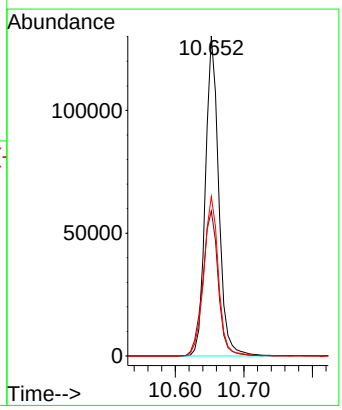
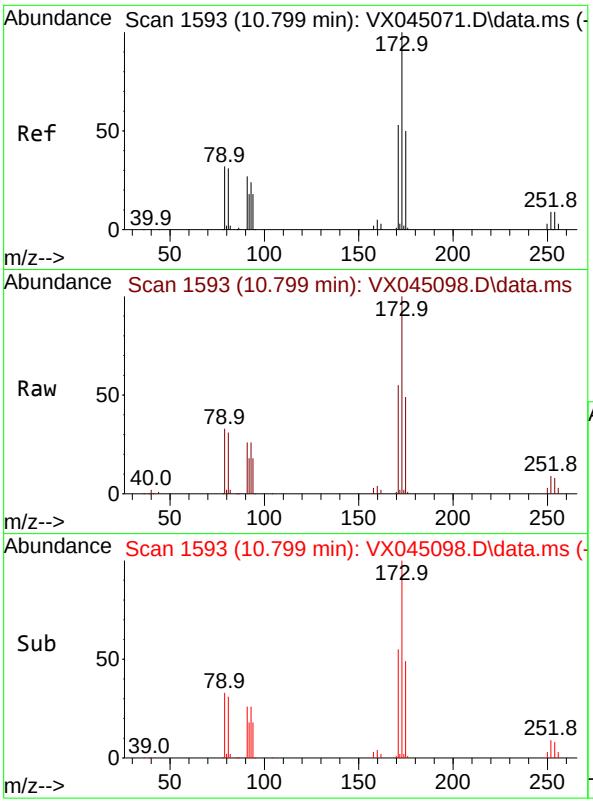


#70
Styrene
Concen: 52.954 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:104 Resp: 177099

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.2	63.4
103	54.6	43.8	65.8

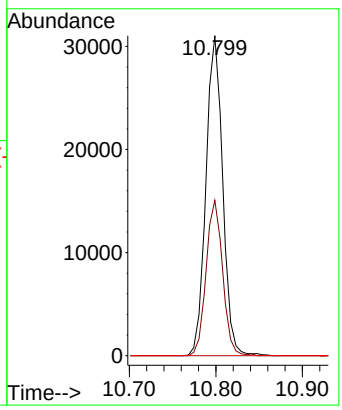




#71
Bromoform
Concen: 51.664 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:173 Resp: 4168

Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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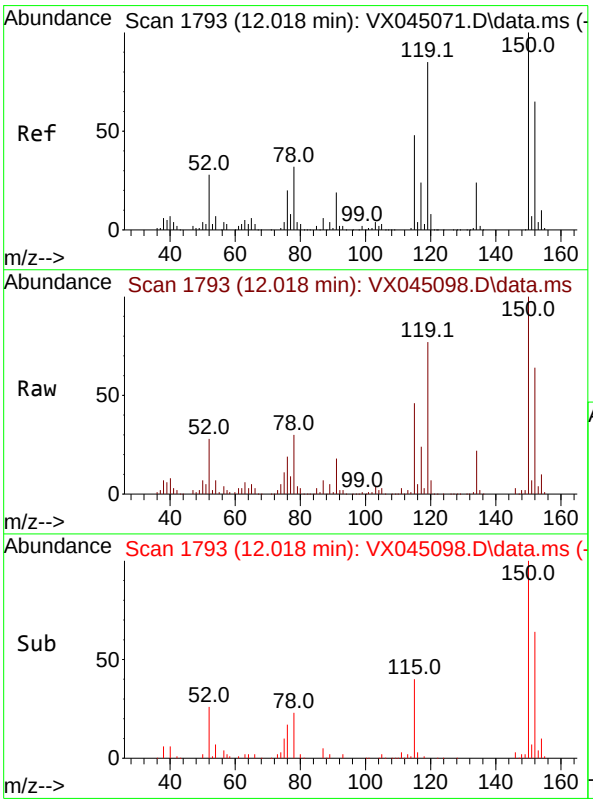
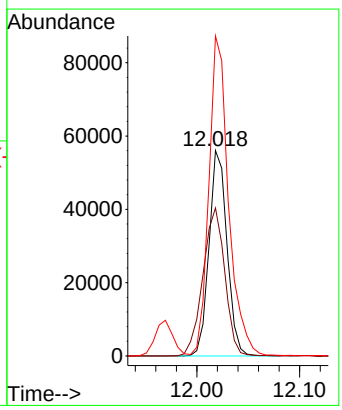
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

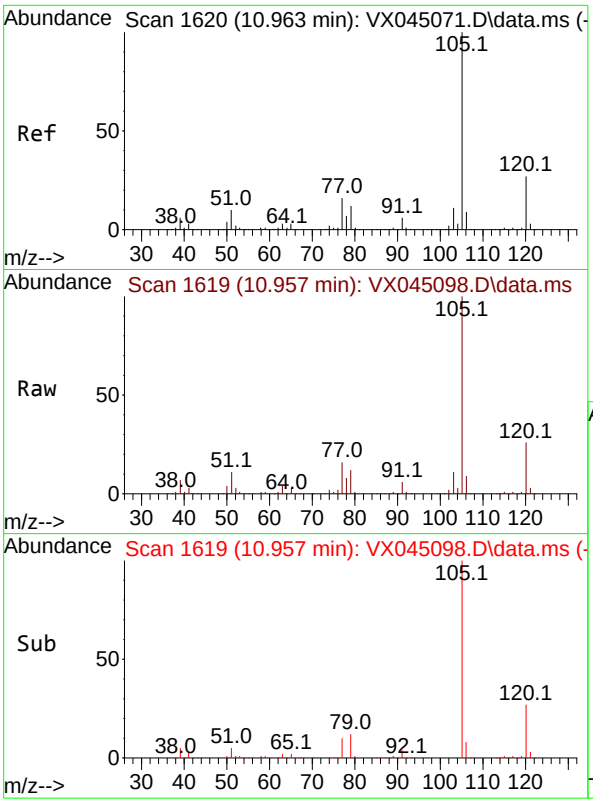


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:152 Resp: 67962

Ion	Ratio	Lower	Upper
152	100		
115	88.0	44.2	132.6
150	171.3	0.0	349.0

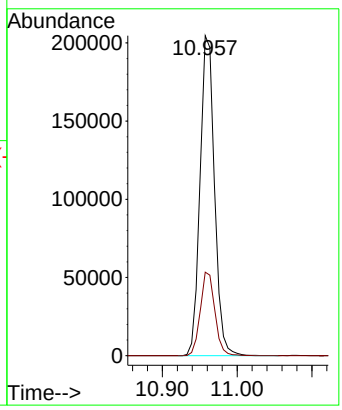




#73
Isopropylbenzene
Concen: 51.833 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:105 Resp: 27495

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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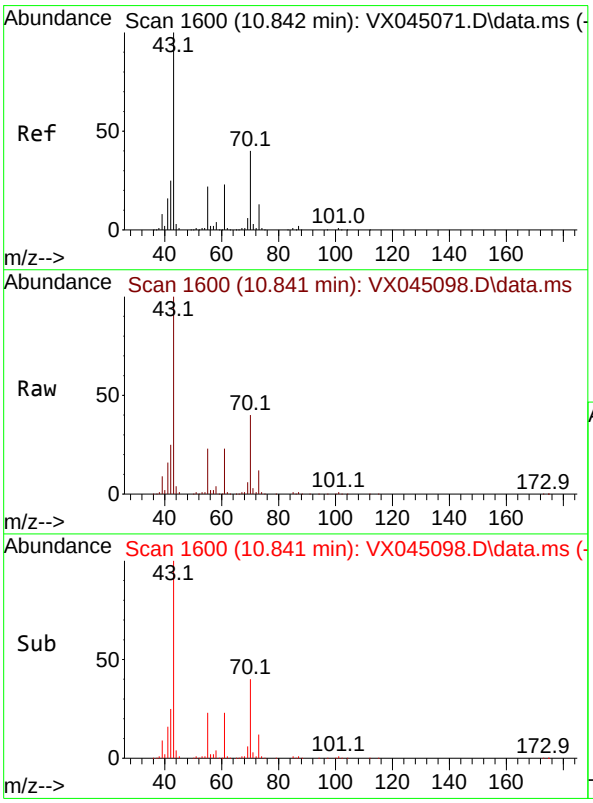
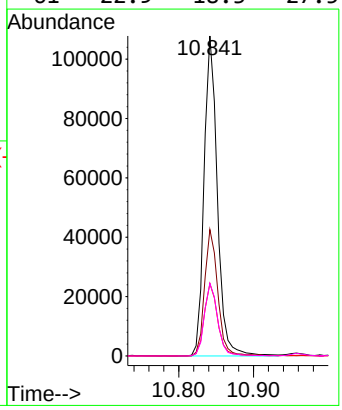
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

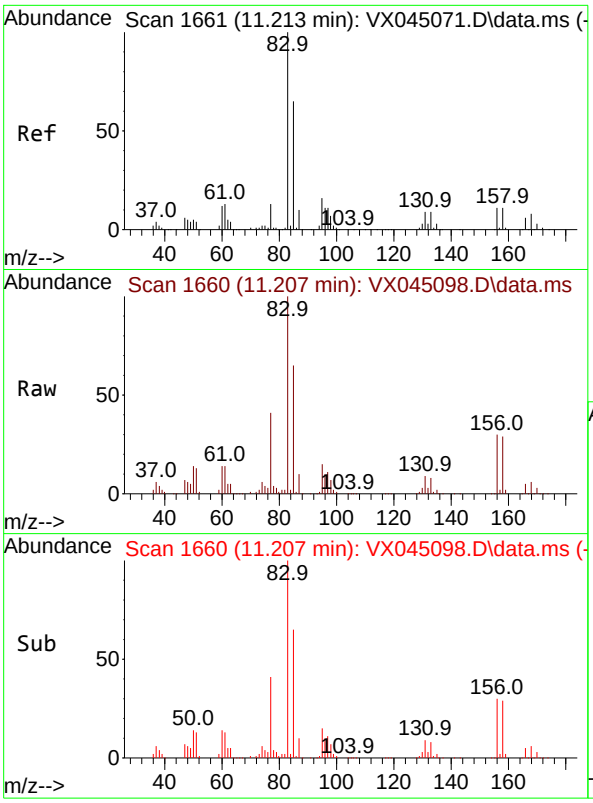


#74
N-amyl acetate
Concen: 53.399 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 132916

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	23.1	18.3	27.5
61	22.9	18.3	27.5

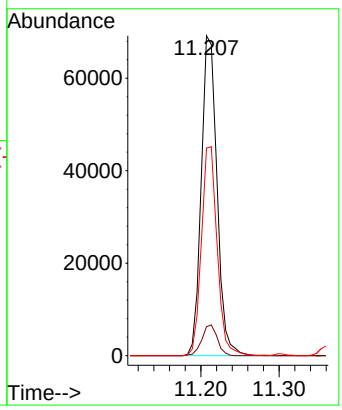




#75
1,1,2,2-Tetrachloroethane
Concen: 49.649 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 83 Resp: 9664

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	65.3	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/03/2025
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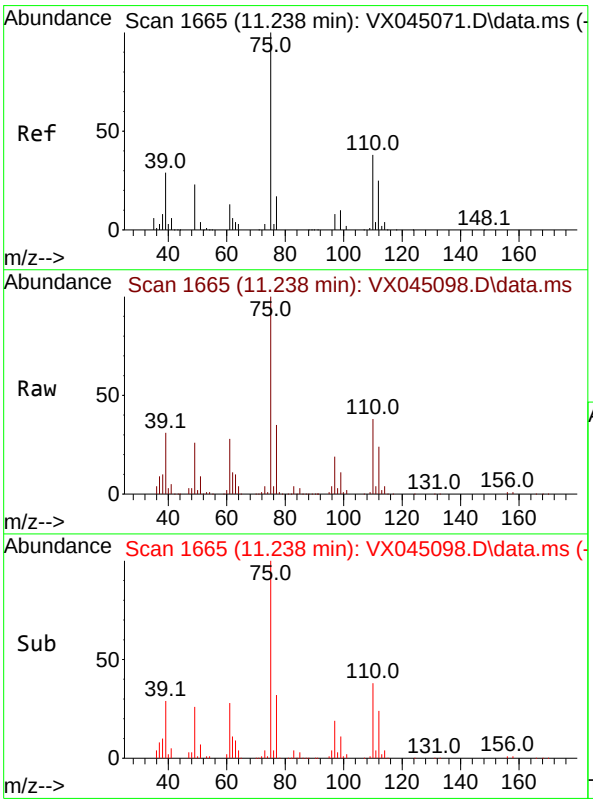
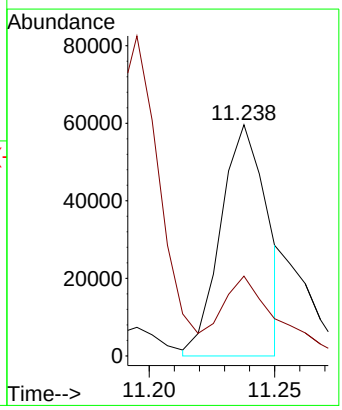
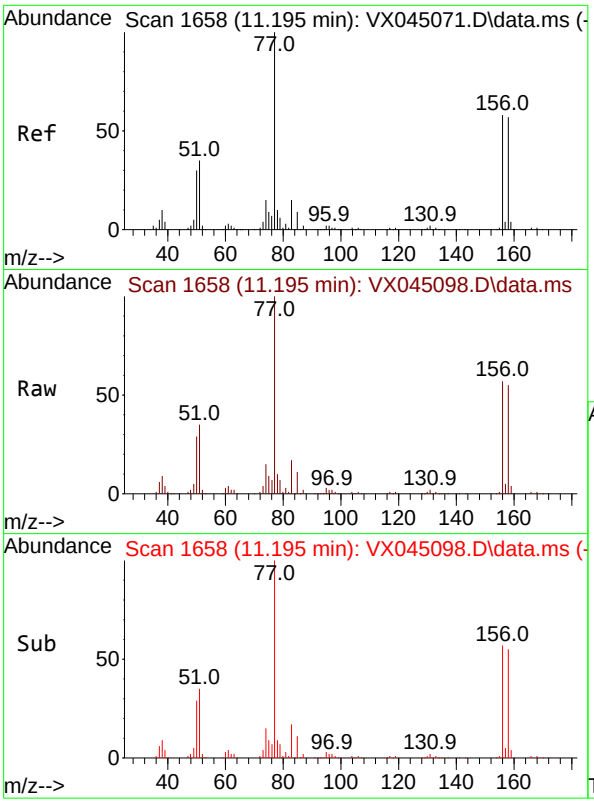


#76
1,2,3-Trichloropropane
Concen: 48.508 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 76731

Ion	Ratio	Lower	Upper
75	100		
77	41.5	20.7	62.1

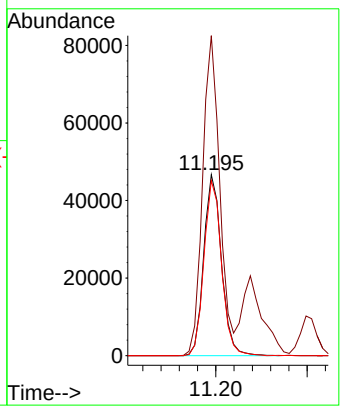




#77
Bromobenzene
Concen: 49.973 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:156 Resp: 6254

Ion	Ratio	Lower	Upper
156	100		
77	171.3	85.8	257.4
158	96.2	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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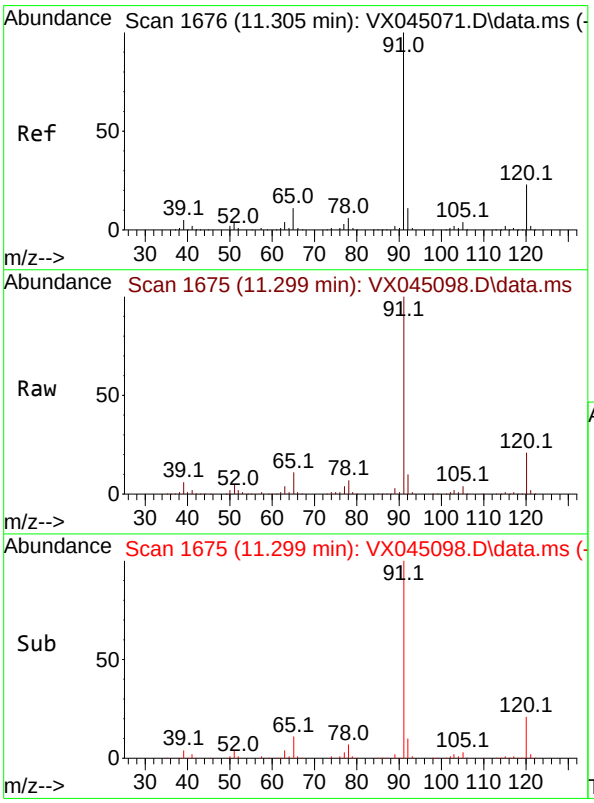
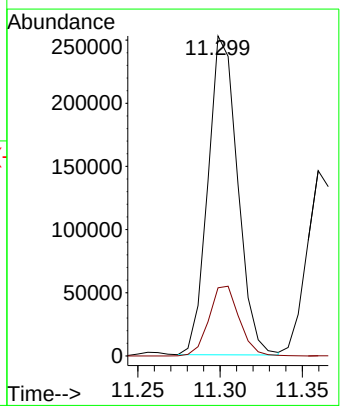
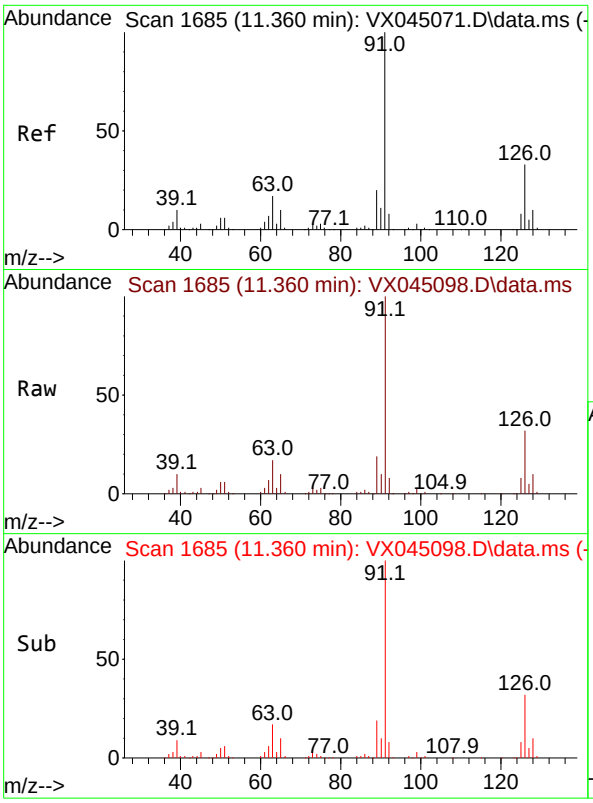


#78
n-propylbenzene
Concen: 52.873 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 91 Resp: 316831

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6

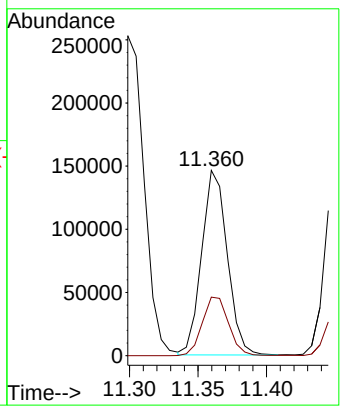




#79
2-Chlorotoluene
Concen: 49.764 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 91 Resp: 18991

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 03/03/2025
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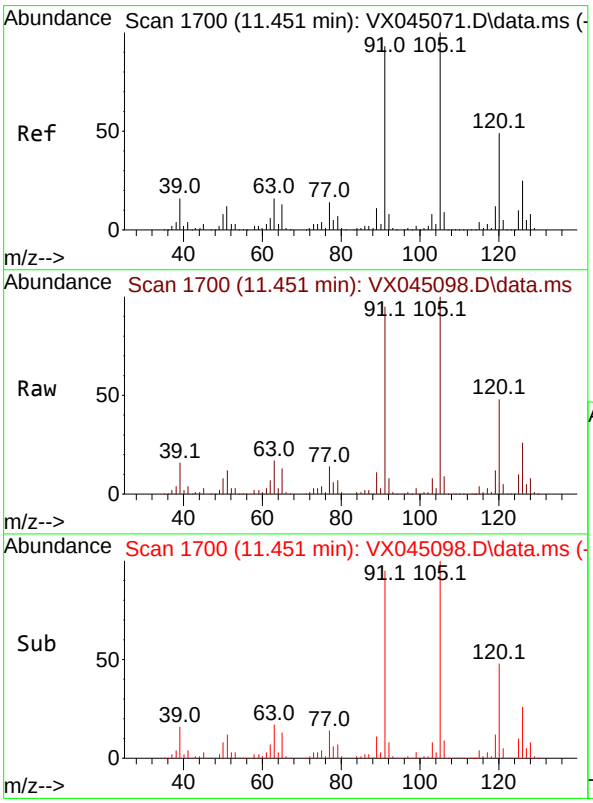
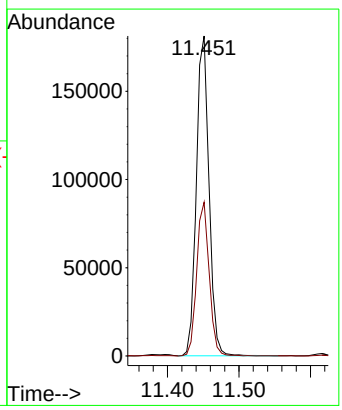
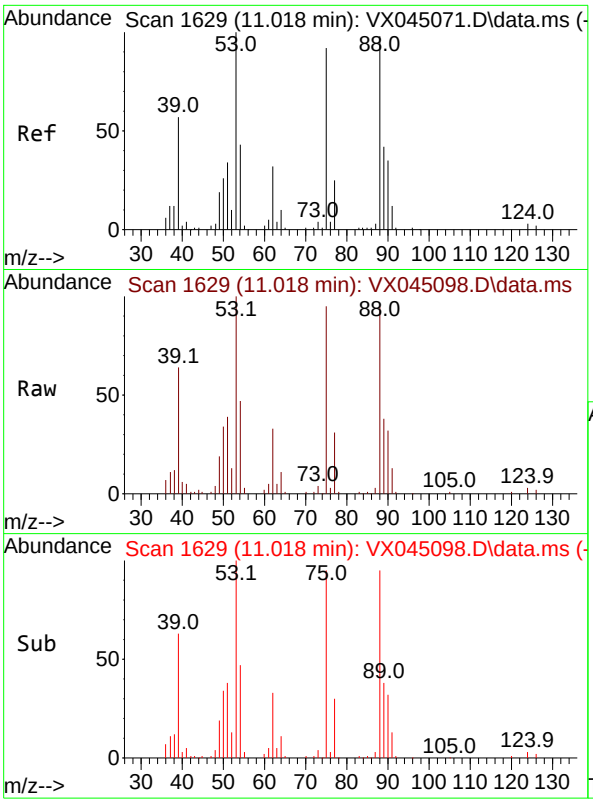


#80
1,3,5-Trimethylbenzene
Concen: 51.725 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:105 Resp: 221858

Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.1	72.2

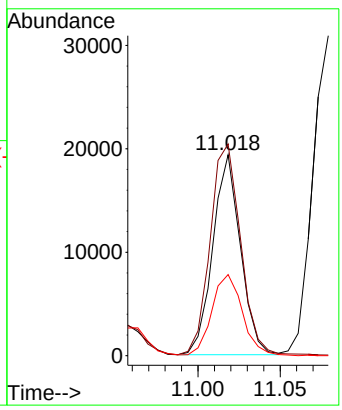




#81
trans-1,4-Dichloro-2-butene
Concen: 48.890 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 2259

Ion	Ratio	Lower	Upper
75	100		
53	117.7	88.5	132.7
89	45.0	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 03/03/2025
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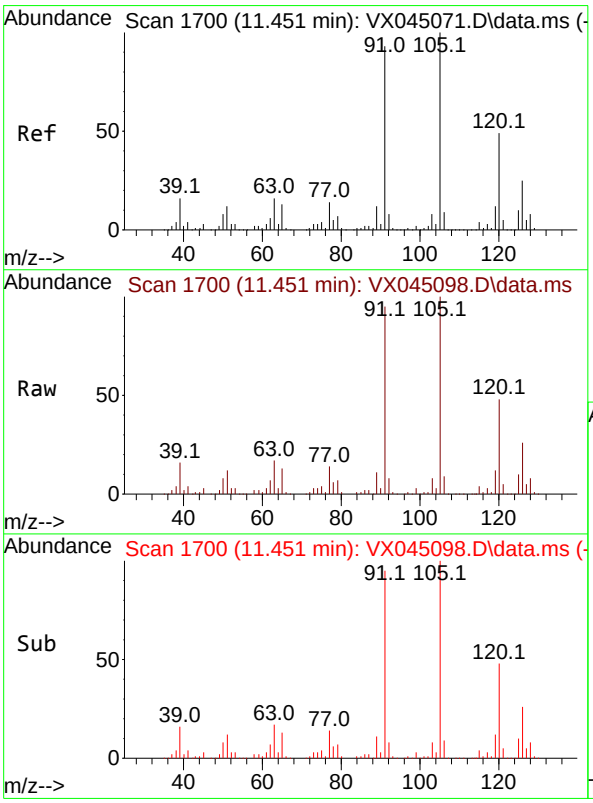
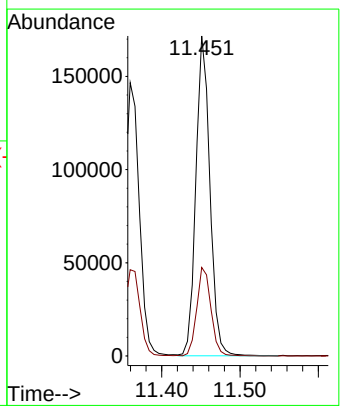
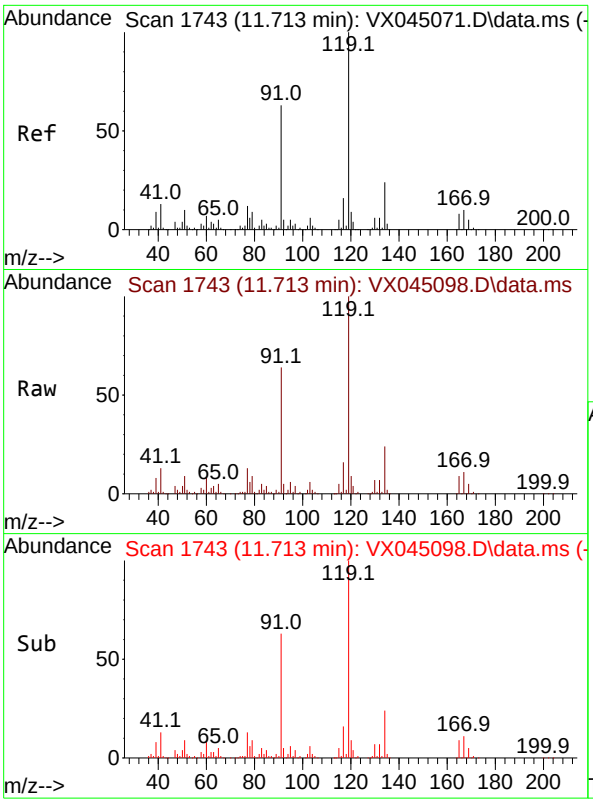


#82
4-Chlorotoluene
Concen: 51.409 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 91 Resp: 213820

Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.4

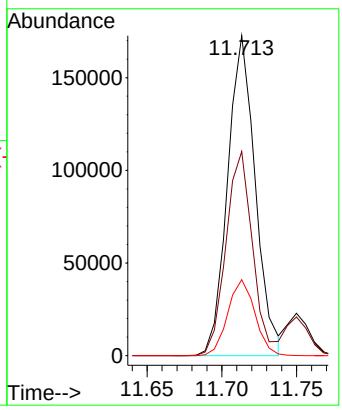




#83
tert-Butylbenzene
Concen: 50.511 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:119 Resp: 22260

Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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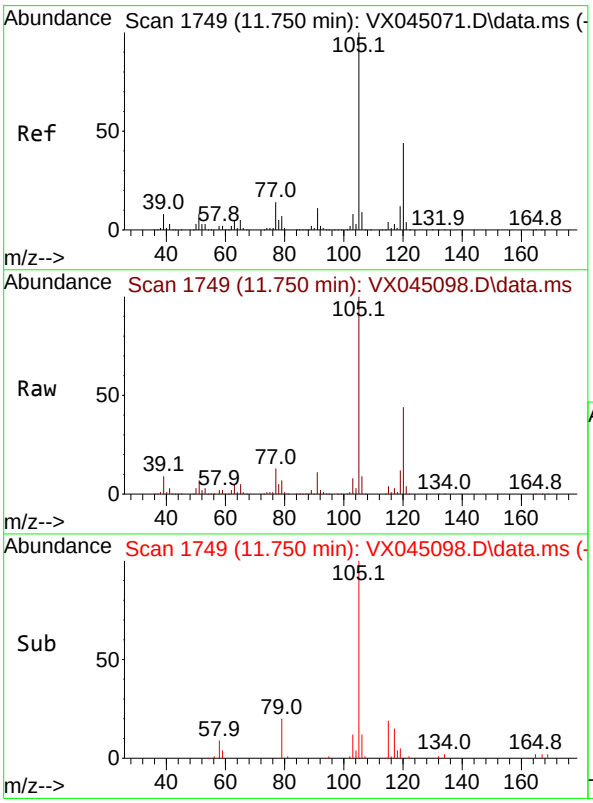
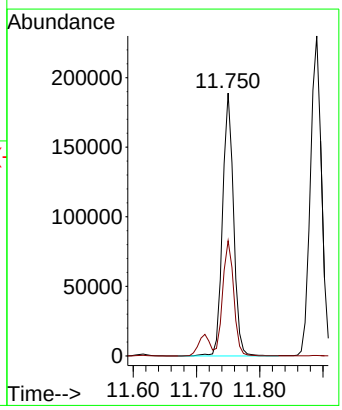
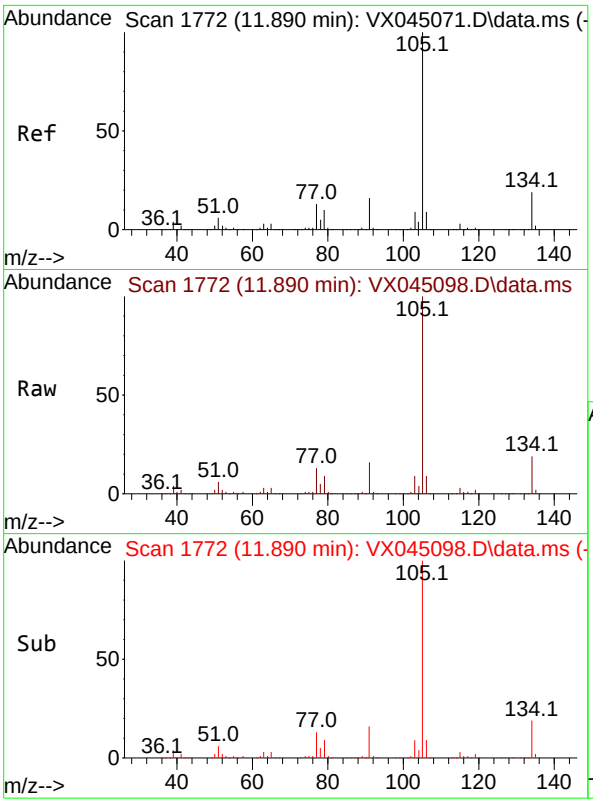


#84
1,2,4-Trimethylbenzene
Concen: 52.432 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:105 Resp: 226285

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1





#85
sec-Butylbenzene
Concen: 53.152 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:105 Resp: 28059

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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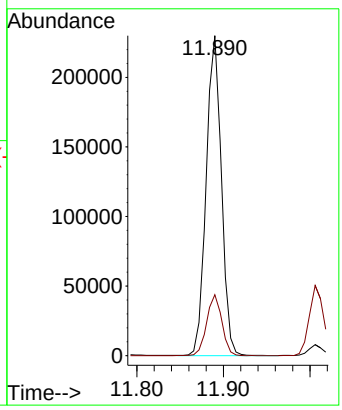
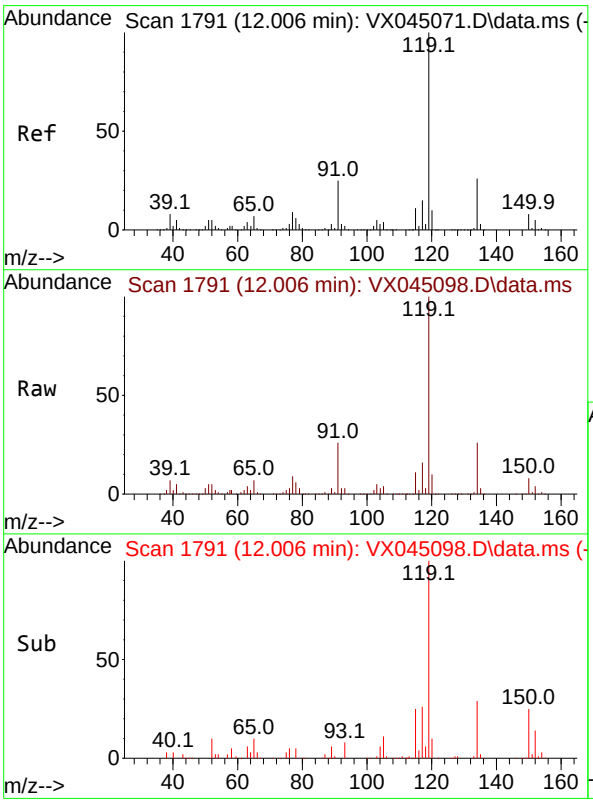
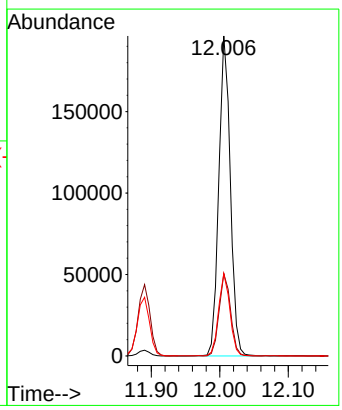


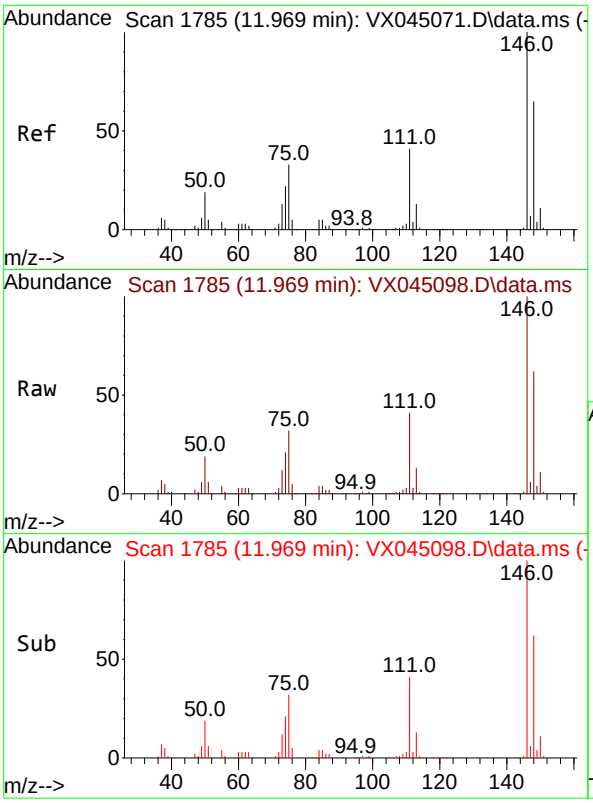


#86
p-Isopropyltoluene
Concen: 53.355 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:119 Resp: 227625

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.3	12.7	38.0





#87
1,3-Dichlorobenzene
Concen: 51.054 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:146 Resp: 11399

Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.4
148	62.1	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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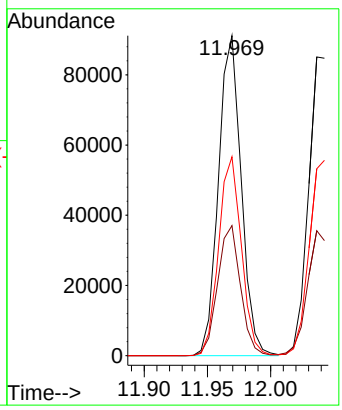
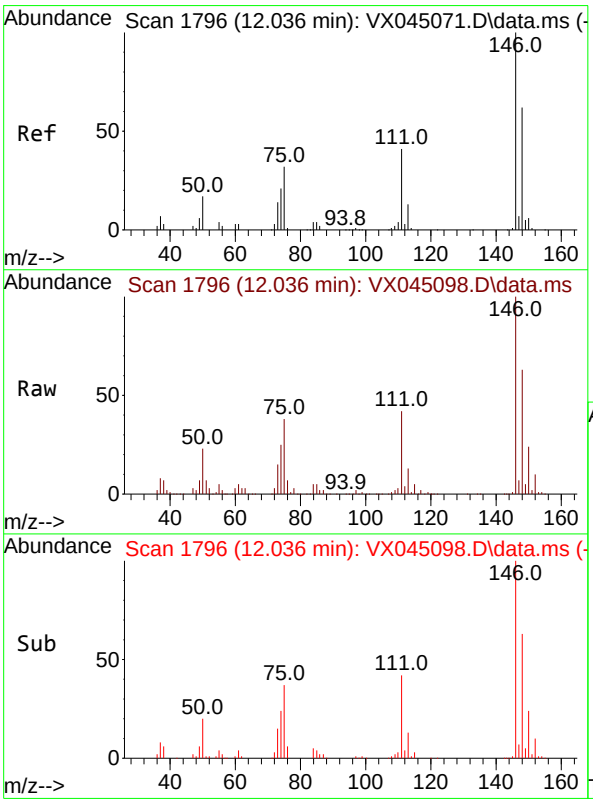
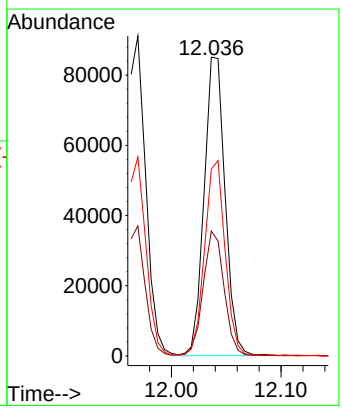


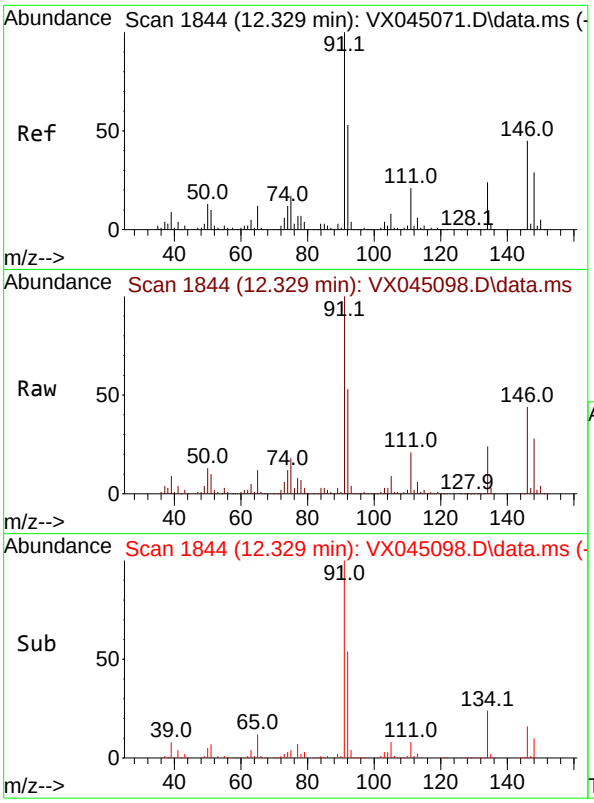


#88
1,4-Dichlorobenzene
Concen: 49.967 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:146 Resp: 112871

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.2	60.5
148	63.9	31.9	95.9





#89
n-Butylbenzene
Concen: 55.087 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 91 Resp: 20241

Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.6	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/03/2025
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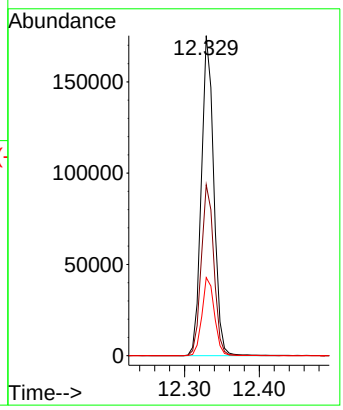
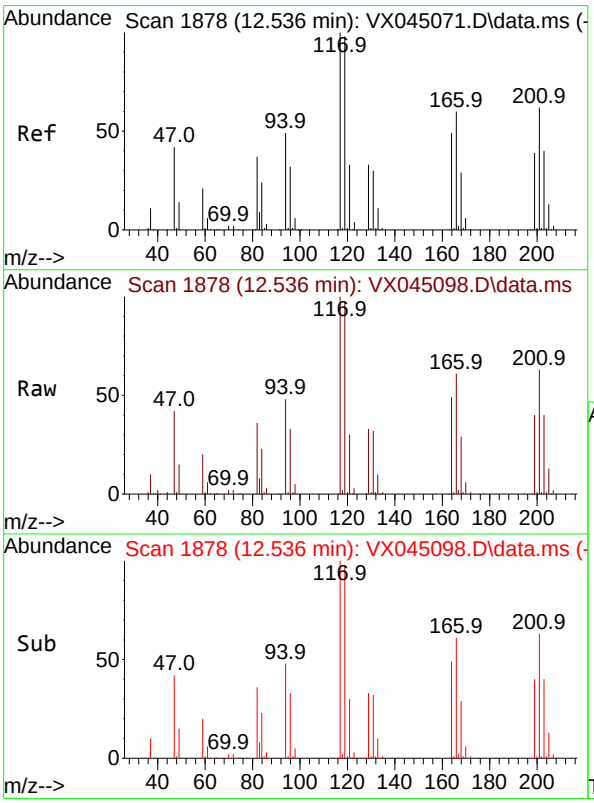
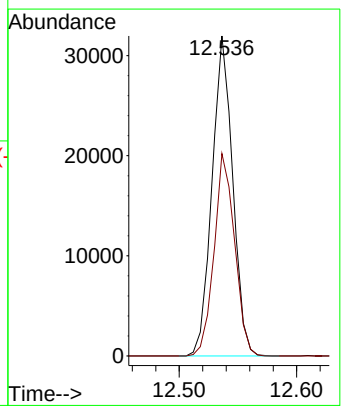


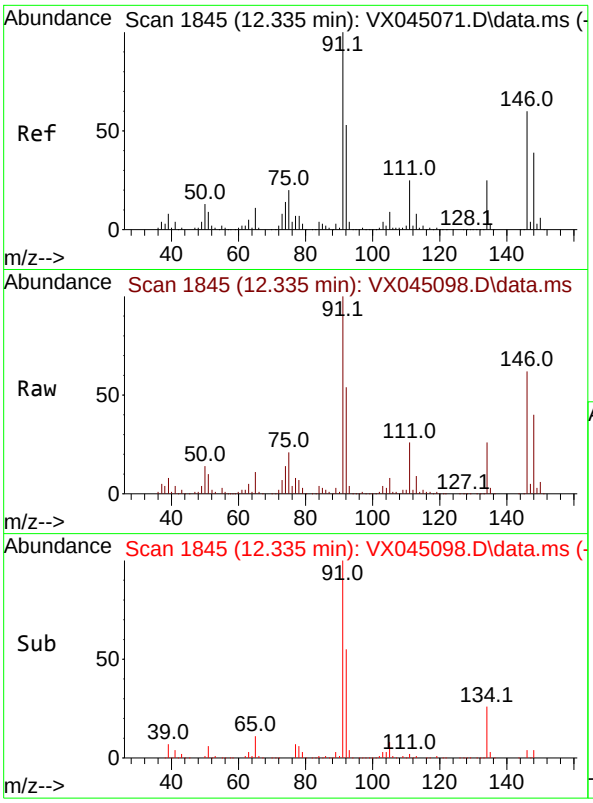


#90
Hexachloroethane
Concen: 50.675 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:117 Resp: 39104

Ion	Ratio	Lower	Upper
117	100		
201	62.8	31.9	95.9

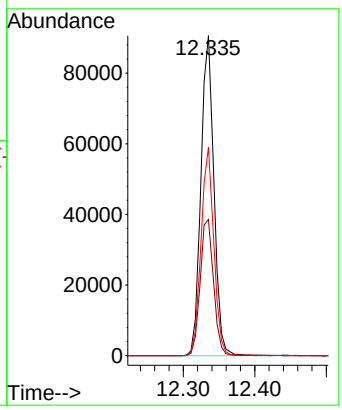




#91
1,2-Dichlorobenzene
Concen: 50.999 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:146 Resp: 11422

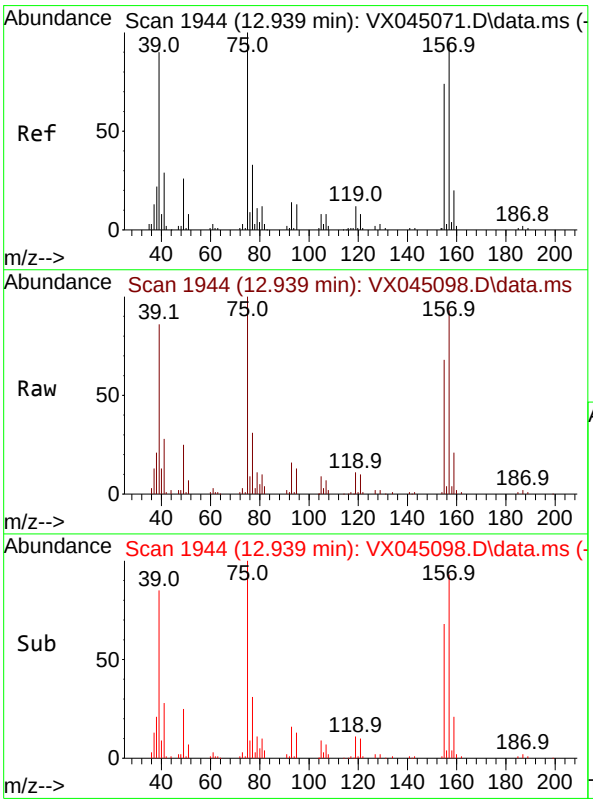
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	64.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

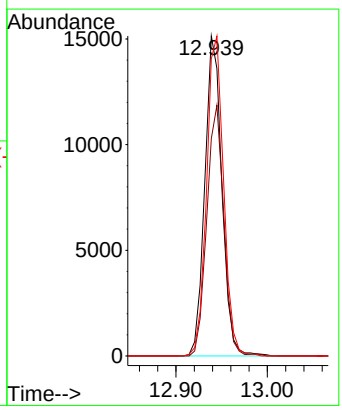
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

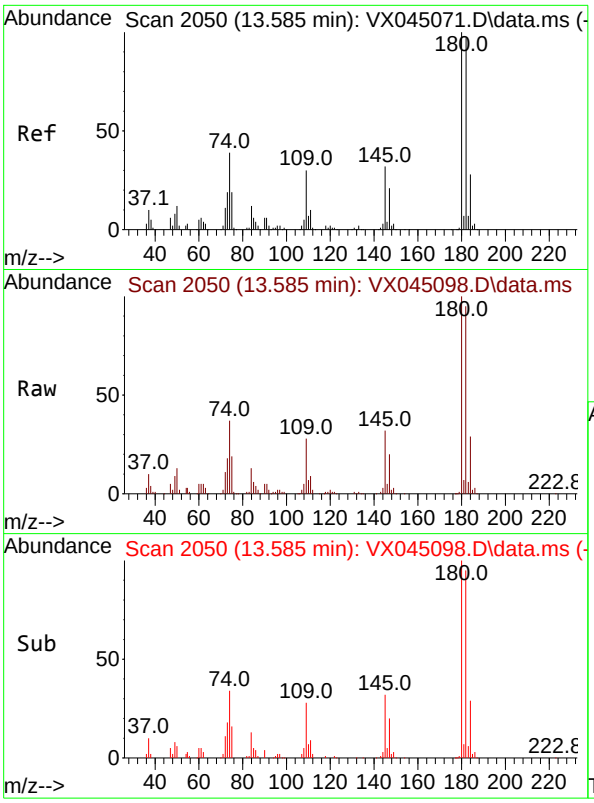


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.657 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 19590

Ion	Ratio	Lower	Upper
75	100		
155	78.1	39.6	118.7
157	99.5	51.1	153.4

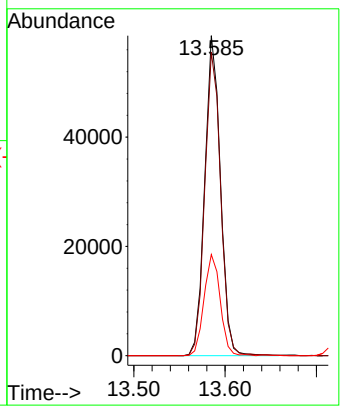




#93
1,2,4-Trichlorobenzene
Concen: 54.709 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:180 Resp: 6977

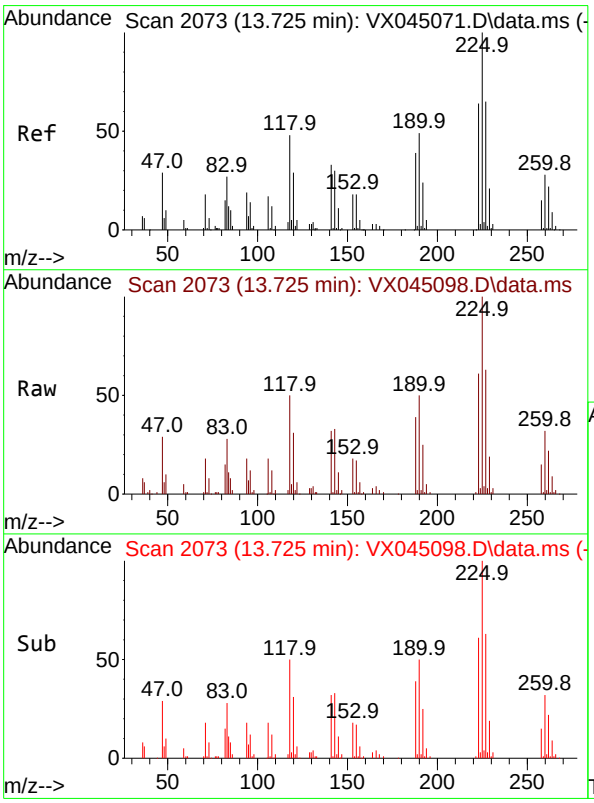
Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.9
145	32.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

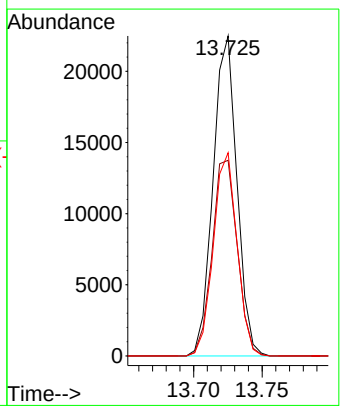
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

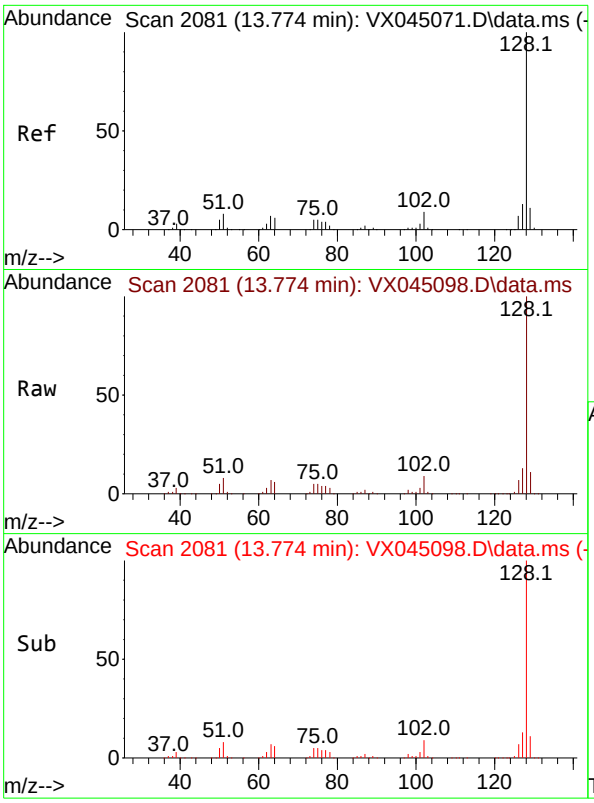


#94
Hexachlorobutadiene
Concen: 51.956 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:225 Resp: 27166

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.7
227	63.1	31.4	94.0

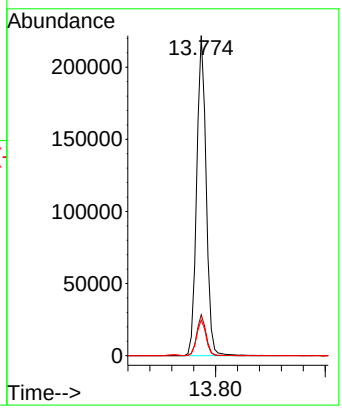




#95
Naphthalene
Concen: 54.575 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:128 Resp: 26741

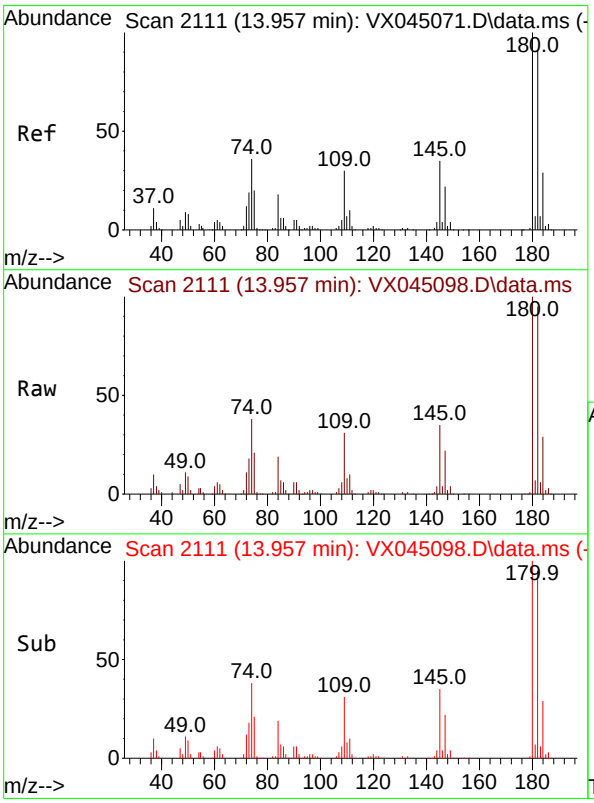
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	11.0	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

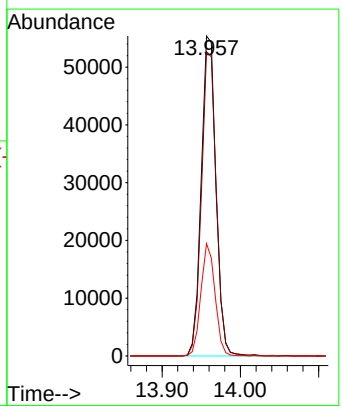
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.829 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:180 Resp: 72423

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	33.7	17.0	50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	99	0.00
2	T	Dichlorodifluoromethane	0.629	0.608	3.3	96	0.00
3	P	Chloromethane	0.770	0.696	9.6	91	0.00
4	C	Vinyl Chloride	0.764	0.736	3.7#	95	0.00
5	T	Bromomethane	0.300	0.261	13.0	88	0.00
6	T	Chloroethane	0.352	0.305	13.4	81	0.00
7	T	Trichlorofluoromethane	1.011	0.992	1.9	93	0.00
8	T	Diethyl Ether	0.396	0.378	4.5	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.602	-3.6	100	0.00
10	T	Methyl Iodide	0.726	0.762	-5.0	98	0.00
11	T	Tert butyl alcohol	0.151	0.115	23.8	85	0.02
12	CM	1,1-Dichloroethene	0.614	0.600	2.3#	95	0.00
13	T	Acrolein	0.174	0.183	-5.2	104	0.00
14	T	Allyl chloride	1.094	1.109	-1.4	99	0.00
15	T	Acrylonitrile	0.404	0.383	5.2	92	0.00
16	T	Acetone	0.369	0.330	10.6	92	0.00
17	T	Carbon Disulfide	1.636	1.572	3.9	93	0.00
18	T	Methyl Acetate	0.888	0.846	4.7	96	0.00
19	T	Methyl tert-butyl Ether	2.061	2.046	0.7	97	0.00
20	T	Methylene Chloride	0.731	0.691	5.5	98	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.624	-2.8	97	0.00
22	T	Diisopropyl ether	2.224	2.268	-2.0	98	0.00
23	T	Vinyl Acetate	1.856	1.929	-3.9	96	0.00
24	P	1,1-Dichloroethane	1.247	1.237	0.8	98	0.00
25	T	2-Butanone	0.555	0.536	3.4	91	0.00
26	T	2,2-Dichloropropane	0.585	0.737	-26.0#	122	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.756	-0.9	98	0.00
28	T	Bromochloromethane	0.594	0.591	0.5	97	0.00
29	T	Tetrahydrofuran	0.373	0.355	4.8	94	0.00
30	C	Chloroform	1.239	1.219	1.6#	96	0.00
31	T	Cyclohexane	1.082	1.116	-3.1	99	0.00
32	T	1,1,1-Trichloroethane	1.000	1.013	-1.3	98	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.780	1.9	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.334	0.338	-1.2	100	0.00
36	T	1,1-Dichloropropene	0.459	0.467	-1.7	97	0.00
37	T	Ethyl Acetate	0.591	0.573	3.0	92	0.00
38	T	Carbon Tetrachloride	0.465	0.475	-2.2	99	0.00
39	T	Methylcyclohexane	0.549	0.612	-11.5	102	0.00
40	TM	Benzene	1.448	1.471	-1.6	95	0.00
41	T	Methacrylonitrile	0.319	0.325	-1.9	93	0.00
42	TM	1,2-Dichloroethane	0.521	0.520	0.2	96	0.00
43	T	Isopropyl Acetate	0.874	0.893	-2.2	93	0.00
44	TM	Trichloroethene	0.340	0.344	-1.2	98	0.00
45	C	1,2-Dichloropropane	0.372	0.372	0.0	98	0.00
46	T	Dibromomethane	0.263	0.267	-1.5	96	0.00
47	T	Bromodichloromethane	0.516	0.518	-0.4	96	0.00
48	T	Methyl methacrylate	0.438	0.436	0.5	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	90	0.00
50	S	Toluene-d8	1.212	1.211	0.1	97	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.582	0.9	93	0.00
52	CM	Toluene	0.849	0.879	-3.5#	95	0.00
53	T	t-1,3-Dichloropropene	0.431	0.460	-6.7	95	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.536	-6.6	97	0.00
55	T	1,1,2-Trichloroethane	0.350	0.342	2.3	93	0.00
56	T	Ethyl methacrylate	0.532	0.541	-1.7	92	0.00
57	T	1,3-Dichloropropane	0.605	0.596	1.5	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.278	-7.3	95	0.00
59	T	2-Hexanone	0.425	0.430	-1.2	93	0.00
60	T	Dibromochloromethane	0.366	0.364	0.5	92	0.00
61	T	1,2-Dibromoethane	0.349	0.346	0.9	95	0.00
62	S	4-Bromofluorobenzene	0.402	0.392	2.5	95	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.320	0.334	-4.4	97	0.00
65	PM	Chlorobenzene	1.058	1.084	-2.5	93	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.355	-0.9	94	0.00
67	C	Ethyl Benzene	1.843	1.942	-5.4#	93	0.00
68	T	m/p-Xylenes	0.675	0.717	-6.2	93	0.00
69	T	o-Xylene	0.681	0.694	-1.9	92	0.00
70	T	Styrene	1.101	1.166	-5.9	93	0.00
71	P	Bromoform	0.266	0.275	-3.4	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.903	4.046	-3.7	93	0.00
74	T	N-amyl acetate	1.831	1.956	-6.8	94	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.422	0.7	96	0.00
76	T	1,2,3-Trichloropropane	1.164	1.129	3.0	94	0.00
77	T	Bromobenzene	0.921	0.920	0.1	93	0.00
78	T	n-propylbenzene	4.409	4.662	-5.7	93	0.00
79	T	2-Chlorotoluene	2.808	2.794	0.5	93	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.264	-3.4	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.333	2.1	94	0.00
82	T	4-Chlorotoluene	3.060	3.146	-2.8	93	0.00
83	T	tert-Butylbenzene	3.242	3.275	-1.0	93	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.330	-4.9	94	0.00
85	T	sec-Butylbenzene	3.884	4.129	-6.3	93	0.00
86	T	p-Isopropyltoluene	3.139	3.349	-6.7	93	0.00
87	T	1,3-Dichlorobenzene	1.643	1.677	-2.1	96	0.00
88	T	1,4-Dichlorobenzene	1.662	1.661	0.1	94	0.00
89	T	n-Butylbenzene	2.703	2.978	-10.2	94	0.00
90	T	Hexachloroethane	0.568	0.575	-1.2	91	0.00
91	T	1,2-Dichlorobenzene	1.648	1.681	-2.0	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.288	-3.2	95	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.027	-9.5	97	0.00
94	T	Hexachlorobutadiene	0.385	0.400	-3.9	97	0.00
95	T	Naphthalene	3.605	3.935	-9.2	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.066	-7.7	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	99	0.00
2	T	Dichlorodifluoromethane	50.000	48.332	3.3	96	0.00
3	P	Chloromethane	50.000	45.195	9.6	91	0.00
4	C	Vinyl Chloride	50.000	48.152	3.7#	95	0.00
5	T	Bromomethane	50.000	43.366	13.3	88	0.00
6	T	Chloroethane	50.000	43.329	13.3	81	0.00
7	T	Trichlorofluoromethane	50.000	49.043	1.9	93	0.00
8	T	Diethyl Ether	50.000	47.827	4.3	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.757	-3.5	100	0.00
10	T	Methyl Iodide	50.000	52.436	-4.9	98	0.00
11	T	Tert butyl alcohol	250.000	191.387	23.4	85	0.02
12	CM	1,1-Dichloroethene	50.000	48.851	2.3#	95	0.00
13	T	Acrolein	250.000	262.281	-4.9	104	0.00
14	T	Allyl chloride	50.000	50.713	-1.4	99	0.00
15	T	Acrylonitrile	250.000	237.322	5.1	92	0.00
16	T	Acetone	250.000	223.399	10.6	92	0.00
17	T	Carbon Disulfide	50.000	48.039	3.9	93	0.00
18	T	Methyl Acetate	50.000	47.656	4.7	96	0.00
19	T	Methyl tert-butyl Ether	50.000	49.622	0.8	97	0.00
20	T	Methylene Chloride	50.000	47.257	5.5	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.365	-2.7	97	0.00
22	T	Diisopropyl ether	50.000	50.987	-2.0	98	0.00
23	T	Vinyl Acetate	250.000	259.857	-3.9	96	0.00
24	P	1,1-Dichloroethane	50.000	49.621	0.8	98	0.00
25	T	2-Butanone	250.000	241.451	3.4	91	0.00
26	T	2,2-Dichloropropane	50.000	63.029	-26.1#	122	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.434	-0.9	98	0.00
28	T	Bromochloromethane	50.000	49.771	0.5	97	0.00
29	T	Tetrahydrofuran	250.000	238.042	4.8	94	0.00
30	C	Chloroform	50.000	49.194	1.6#	96	0.00
31	T	Cyclohexane	50.000	51.583	-3.2	99	0.00
32	T	1,1,1-Trichloroethane	50.000	50.622	-1.2	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.047	1.9	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	50.487	-1.0	100	0.00
36	T	1,1-Dichloropropene	50.000	50.969	-1.9	97	0.00
37	T	Ethyl Acetate	50.000	48.511	3.0	92	0.00
38	T	Carbon Tetrachloride	50.000	51.004	-2.0	99	0.00
39	T	Methylcyclohexane	50.000	55.680	-11.4	102	0.00
40	TM	Benzene	50.000	50.791	-1.6	95	0.00
41	T	Methacrylonitrile	50.000	50.896	-1.8	93	0.00
42	TM	1,2-Dichloroethane	50.000	49.909	0.2	96	0.00
43	T	Isopropyl Acetate	50.000	51.105	-2.2	93	0.00
44	TM	Trichloroethene	50.000	50.539	-1.1	98	0.00
45	C	1,2-Dichloropropane	50.000	50.023	-0.0#	98	0.00
46	T	Dibromomethane	50.000	50.658	-1.3	96	0.00
47	T	Bromodichloromethane	50.000	50.147	-0.3	96	0.00
48	T	Methyl methacrylate	50.000	49.791	0.4	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	943.544	5.6	90	0.00
50	S	Toluene-d8	50.000	49.952	0.1	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	248.148	0.7	93	0.00
52	CM	Toluene	50.000	51.738	-3.5#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	53.255	-6.5	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.261	-6.5	97	0.00
55	T	1,1,2-Trichloroethane	50.000	48.933	2.1	93	0.00
56	T	Ethyl methacrylate	50.000	50.898	-1.8	92	0.00
57	T	1,3-Dichloropropane	50.000	49.251	1.5	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	267.883	-7.2	95	0.00
59	T	2-Hexanone	250.000	253.206	-1.3	93	0.00
60	T	Dibromochloromethane	50.000	49.736	0.5	92	0.00
61	T	1,2-Dibromoethane	50.000	49.600	0.8	95	0.00
62	S	4-Bromofluorobenzene	50.000	48.831	2.3	95	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	52.227	-4.5	97	0.00
65	PM	Chlorobenzene	50.000	51.239	-2.5	93	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.382	-0.8	94	0.00
67	C	Ethyl Benzene	50.000	52.678	-5.4#	93	0.00
68	T	m/p-Xylenes	100.000	106.271	-6.3	93	0.00
69	T	o-Xylene	50.000	50.972	-1.9	92	0.00
70	T	Styrene	50.000	52.954	-5.9	93	0.00
71	P	Bromoform	50.000	51.664	-3.3	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	51.833	-3.7	93	0.00
74	T	N-amyl acetate	50.000	53.399	-6.8	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.649	0.7	96	0.00
76	T	1,2,3-Trichloropropane	50.000	48.508	3.0	94	0.00
77	T	Bromobenzene	50.000	49.973	0.1	93	0.00
78	T	n-propylbenzene	50.000	52.873	-5.7	93	0.00
79	T	2-Chlorotoluene	50.000	49.764	0.5	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.725	-3.5	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.890	2.2	94	0.00
82	T	4-Chlorotoluene	50.000	51.409	-2.8	93	0.00
83	T	tert-Butylbenzene	50.000	50.511	-1.0	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.432	-4.9	94	0.00
85	T	sec-Butylbenzene	50.000	53.152	-6.3	93	0.00
86	T	p-Isopropyltoluene	50.000	53.355	-6.7	93	0.00
87	T	1,3-Dichlorobenzene	50.000	51.054	-2.1	96	0.00
88	T	1,4-Dichlorobenzene	50.000	49.967	0.1	94	0.00
89	T	n-Butylbenzene	50.000	55.087	-10.2	94	0.00
90	T	Hexachloroethane	50.000	50.675	-1.3	91	0.00
91	T	1,2-Dichlorobenzene	50.000	50.999	-2.0	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.657	-3.3	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.709	-9.4	97	0.00
94	T	Hexachlorobutadiene	50.000	51.956	-3.9	97	0.00
95	T	Naphthalene	50.000	54.575	-9.2	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.829	-7.7	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_Y Calibration Date/Time: 02/26/2025 10:11

Lab File ID: VY021320.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.612	0.581	0.1	-5.07	20
Vinyl Chloride	0.601	0.586		-2.5	20
Bromomethane	0.399	0.370		-7.27	20
Chloroethane	0.373	0.363		-2.68	20
Trichlorofluoromethane	0.908	0.866		-4.63	20
1,1,2-Trichlorotrifluoroethane	0.525	0.496		-5.52	20
1,1-Dichloroethene	0.503	0.487		-3.18	20
Acetone	0.109	0.113		3.67	20
Carbon Disulfide	1.671	1.628		-2.57	20
Methyl tert-butyl Ether	1.329	1.308		-1.58	20
Methylene Chloride	0.588	0.533		-9.35	20
trans-1,2-Dichloroethene	0.554	0.540		-2.53	20
1,1-Dichloroethane	1.040	1.021	0.1	-1.83	20
2-Butanone	0.164	0.162		-1.22	20
Carbon Tetrachloride	0.554	0.536		-3.25	20
cis-1,2-Dichloroethene	0.632	0.633		0.16	20
Chloroform	1.054	1.038		-1.52	20
1,1,1-Trichloroethane	0.960	0.936		-2.5	20
Methylcyclohexane	0.623	0.578		-7.22	20
Benzene	1.456	1.415		-2.82	20
1,2-Dichloroethane	0.413	0.396		-4.12	20
Trichloroethene	0.364	0.355		-2.47	20
1,2-Dichloropropane	0.350	0.341		-2.57	20
Bromodichloromethane	0.511	0.494		-3.33	20
4-Methyl-2-Pentanone	0.243	0.234		-3.7	20
Toluene	0.904	0.892		-1.33	20
t-1,3-Dichloropropene	0.468	0.468		0	20
cis-1,3-Dichloropropene	0.552	0.543		-1.63	20
1,1,2-Trichloroethane	0.249	0.236		-5.22	20
2-Hexanone	0.159	0.159		0	20
Dibromochloromethane	0.340	0.332		-2.35	20
Tetrachloroethene	0.378	0.359		-5.03	20
Chlorobenzene	1.122	1.091	0.3	-2.76	20
Ethyl Benzene	1.988	1.972		-0.81	20
m/p-Xylenes	0.748	0.735		-1.74	20
o-Xylene	0.701	0.696		-0.71	20
Styrene	1.166	1.176		0.86	20
Bromoform	0.225	0.217	0.1	-3.56	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_Y Calibration Date/Time: 02/26/2025 10:11

Lab File ID: VY021320.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.759	3.742		-0.45	20
1,1,2,2-Tetrachloroethane	0.663	0.639	0.3	-3.62	20
1,3-Dichlorobenzene	1.730	1.676		-3.12	20
1,4-Dichlorobenzene	1.709	1.633		-4.45	20
1,2-Dichlorobenzene	1.515	1.469		-3.04	20
1,2-Dichloroethane-d4	0.567	0.544		-4.06	20
Dibromofluoromethane	0.328	0.320		-2.44	20
Toluene-d8	1.267	1.257		-0.79	20
4-Bromofluorobenzene	0.426	0.420		-1.41	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	193888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	308714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	268805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	131935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105547	47.987	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.980%			
35) Dibromofluoromethane	7.634	113	98654	48.743	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.480%			
50) Toluene-d8	10.109	98	387966	49.599	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.200%			
62) 4-Bromofluorobenzene	12.408	95	129754	49.290	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	85738	46.640	ug/l	96
3) Chloromethane	2.068	50	112705	47.473	ug/l	98
4) Vinyl Chloride	2.202	62	113710	48.798	ug/l	98
5) Bromomethane	2.598	94	71789	46.361	ug/l	99
6) Chloroethane	2.739	64	70476	48.772	ug/l	99
7) Trichlorofluoromethane	3.062	101	167868	47.701	ug/l	96
8) Diethyl Ether	3.452	74	52323	49.537	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	96104	47.169	ug/l	99
10) Methyl Iodide	4.007	142	111918	52.212	ug/l	99
11) Tert butyl alcohol	4.854	59	34212	202.221	ug/l	98
12) 1,1-Dichloroethene	3.793	96	94447	48.413	ug/l	99
13) Acrolein	3.653	56	5526	42.624	ug/l	99
14) Allyl chloride	4.385	41	173778	50.242	ug/l	98
15) Acrylonitrile	5.061	53	112963	241.892	ug/l	99
16) Acetone	3.867	43	109810	260.267	ug/l	100
17) Carbon Disulfide	4.110	76	315561	48.712	ug/l	100
18) Methyl Acetate	4.385	43	49846	48.342	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	253623	49.206	ug/l	99
20) Methylene Chloride	4.616	84	103268	45.263	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	104607	48.708	ug/l	99
22) Diisopropyl ether	6.019	45	361038	50.442	ug/l	98
23) Vinyl Acetate	5.958	43	1065848	249.197	ug/l	99
24) 1,1-Dichloroethane	5.915	63	197949	49.069	ug/l	98
25) 2-Butanone	6.890	43	157281	246.999	ug/l	98
26) 2,2-Dichloropropane	6.890	77	180065	49.191	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	122751	50.053	ug/l	99
28) Bromochloromethane	7.244	49	84337	47.247	ug/l	98
29) Tetrahydrofuran	7.262	42	99242	238.435	ug/l	100
30) Chloroform	7.421	83	201334	49.253	ug/l	99
31) Cyclohexane	7.701	56	178746	46.094	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	181553	48.795	ug/l	98
36) 1,1-Dichloropropene	7.835	75	146702	48.254	ug/l	100
37) Ethyl Acetate	6.982	43	72710	48.080	ug/l	100
38) Carbon Tetrachloride	7.817	117	165430	48.402	ug/l	98
39) Methylcyclohexane	9.109	83	178508	46.422	ug/l	97
40) Benzene	8.079	78	436709	48.593	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	36160	42.766	ug/l		91
42) 1,2-Dichloroethane	8.158	62	122335	47.978	ug/l		99
43) Isopropyl Acetate	8.195	43	140455	47.984	ug/l		99
44) Trichloroethene	8.866	130	109499	48.665	ug/l		100
45) 1,2-Dichloropropane	9.140	63	105190	48.637	ug/l		100
46) Dibromomethane	9.231	93	56977	48.195	ug/l		99
47) Bromodichloromethane	9.427	83	152416	48.352	ug/l		99
48) Methyl methacrylate	9.219	41	66362	48.481	ug/l		98
49) 1,4-Dioxane	9.231	88	12417	944.605	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	360891	240.853	ug/l		100
52) Toluene	10.170	92	275527	49.351	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	144366	49.988	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	167718	49.192	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	72899	47.334	ug/l		98
56) Ethyl methacrylate	10.439	69	108485	50.979	ug/l		100
57) 1,3-Dichloropropane	10.719	76	132919	49.183	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	239640	234.614	ug/l		100
59) 2-Hexanone	10.762	43	245501	249.476	ug/l		99
60) Dibromochloromethane	10.908	129	102499	48.867	ug/l		100
61) 1,2-Dibromoethane	11.018	107	69304	47.532	ug/l		98
64) Tetrachloroethene	10.646	164	96416	47.455	ug/l		98
65) Chlorobenzene	11.444	112	293397	48.625	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	104152	49.295	ug/l		100
67) Ethyl Benzene	11.518	91	530215	49.609	ug/l		99
68) m/p-Xylenes	11.627	106	395166	98.298	ug/l		99
69) o-Xylene	11.957	106	187084	49.676	ug/l		98
70) Styrene	11.969	104	316002	50.431	ug/l		100
71) Bromoform	12.133	173	58316	48.247	ug/l	#	99
73) Isopropylbenzene	12.255	105	493694	49.774	ug/l		99
74) N-amyl acetate	12.072	43	128988	51.162	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	84288	48.150	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	52897m	40.055	ug/l		
77) Bromobenzene	12.536	156	114266	49.529	ug/l		99
78) n-propylbenzene	12.597	91	595911	49.510	ug/l		100
79) 2-Chlorotoluene	12.682	91	339722	49.181	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	403527	49.604	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	29544	49.724	ug/l		99
82) 4-Chlorotoluene	12.780	91	353786	49.408	ug/l		99
83) tert-Butylbenzene	12.999	119	358344	48.765	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	403288	49.846	ug/l		100
85) sec-Butylbenzene	13.176	105	515970	48.069	ug/l		100
86) p-Isopropyltoluene	13.292	119	435539	48.594	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	221110	48.450	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	215487	47.797	ug/l		100
89) n-Butylbenzene	13.621	91	408995	48.491	ug/l		100
90) Hexachloroethane	13.883	117	88564	47.306	ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	193750	48.457	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13100	47.306	ug/l		97
93) 1,2,4-Trichlorobenzene	14.926	180	116572	47.769	ug/l		99
94) Hexachlorobutadiene	15.029	225	70063	45.603	ug/l		99
95) Naphthalene	15.145	128	205892	50.937	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	98515	47.779	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

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

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

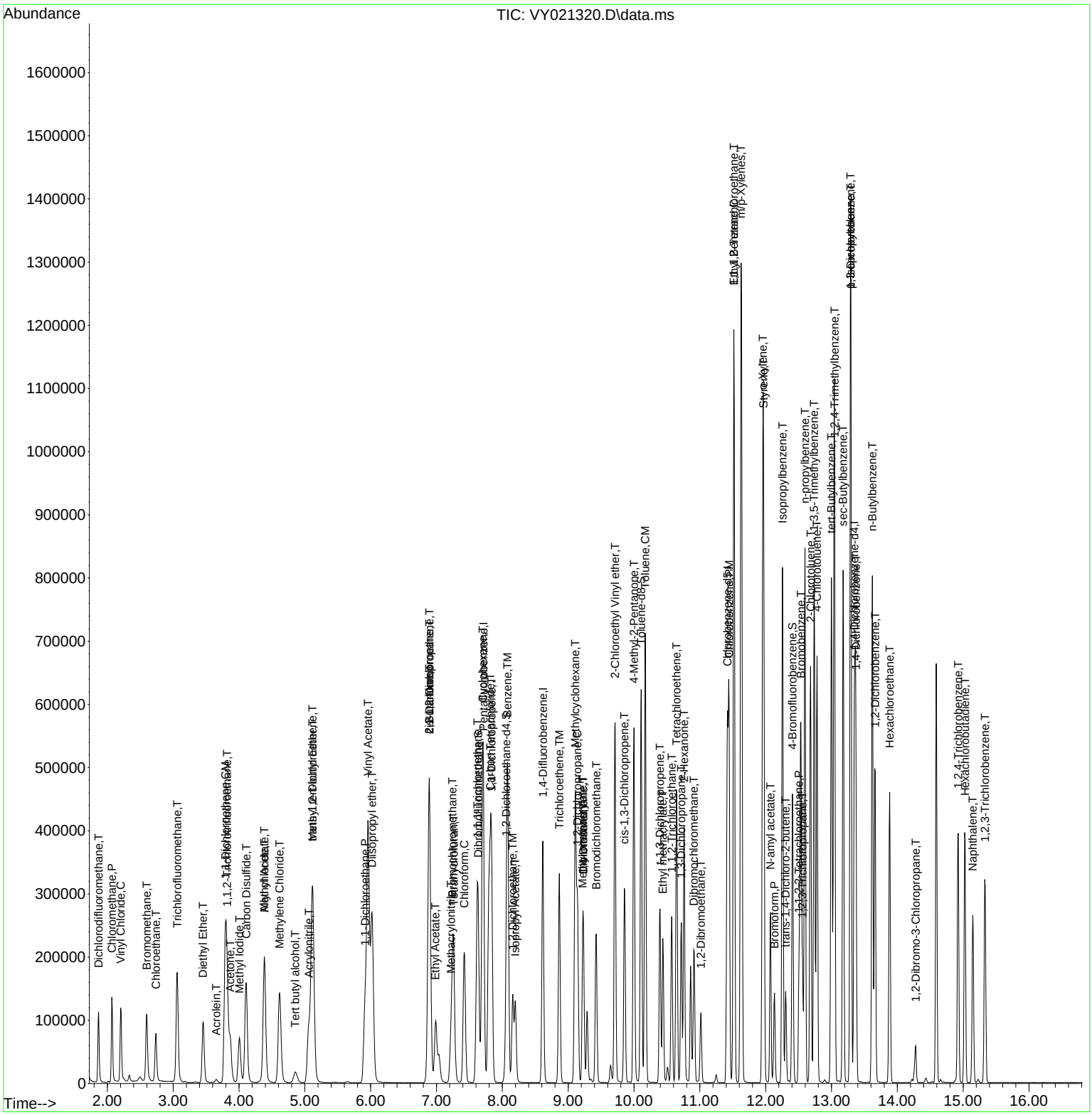
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

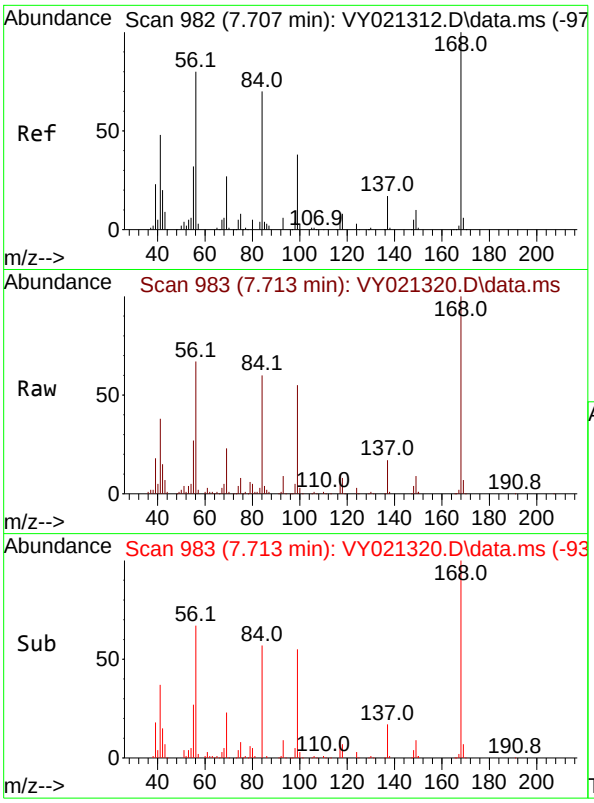
Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

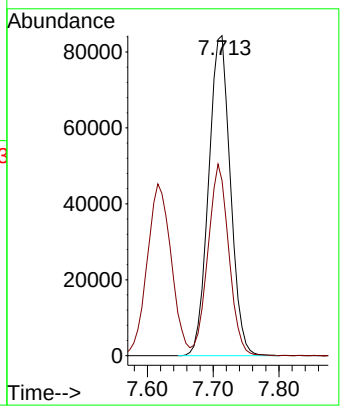




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:168 Resp: 19388

Ion	Ratio	Lower	Upper
168	100		
99	54.7	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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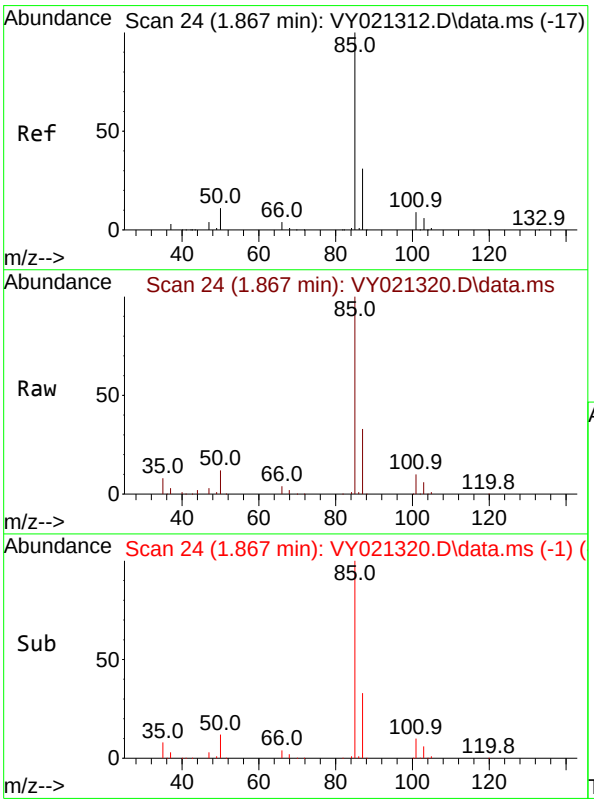
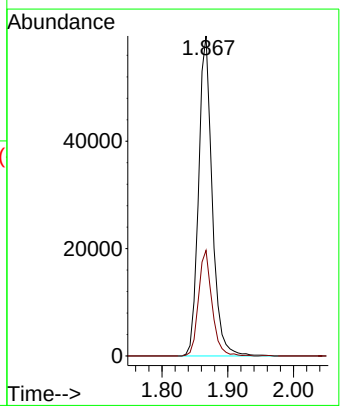
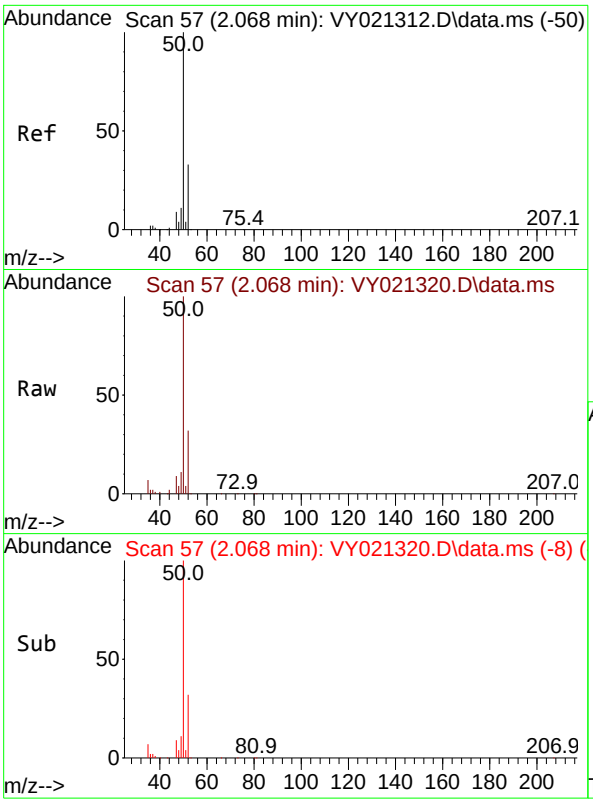


#2
Dichlorodifluoromethane
Concen: 46.640 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 85 Resp: 85738

Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.4	46.4

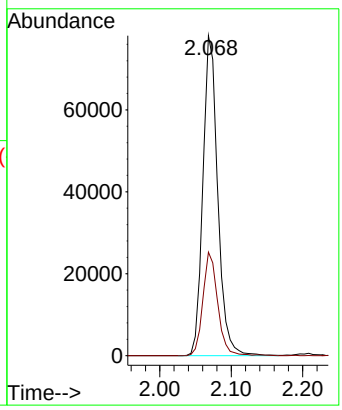




#3
Chloromethane
Concen: 47.473 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 50 Resp: 11270

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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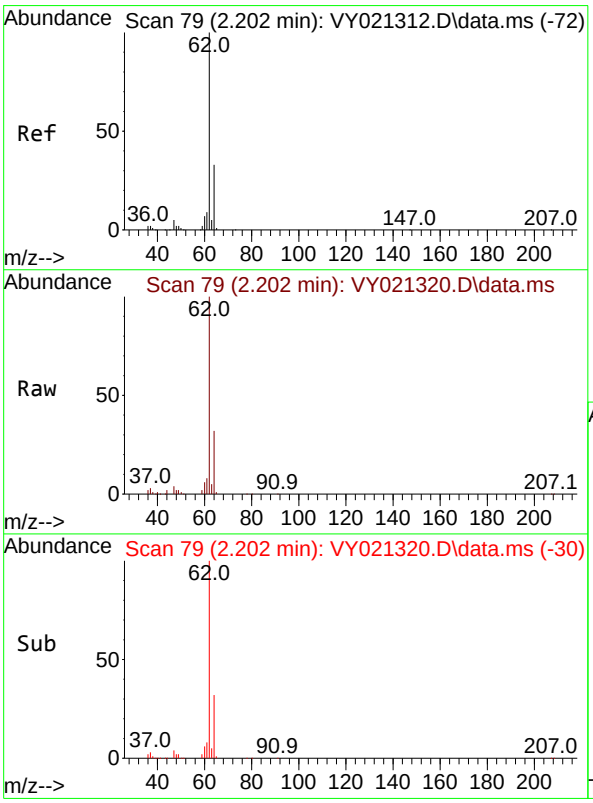
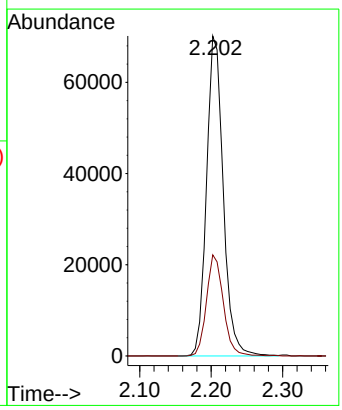
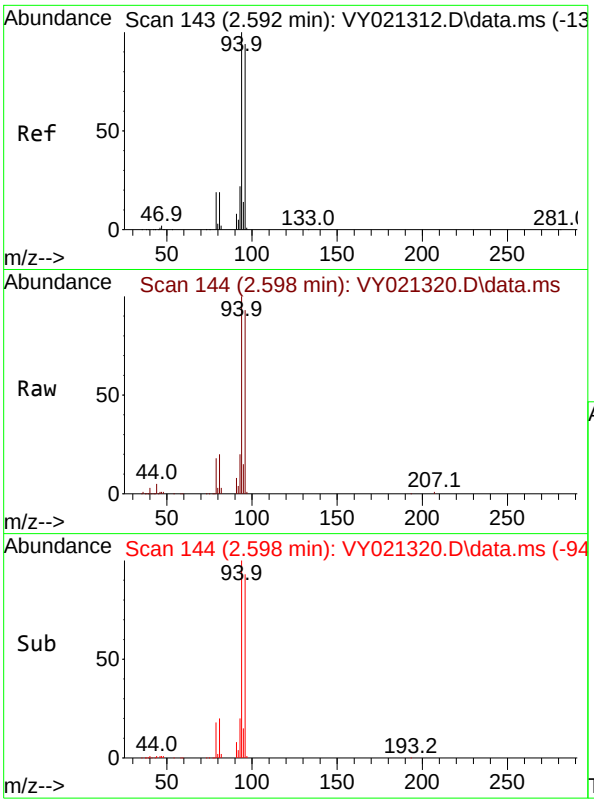


#4
Vinyl Chloride
Concen: 48.798 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 62 Resp: 113710

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.3	39.5

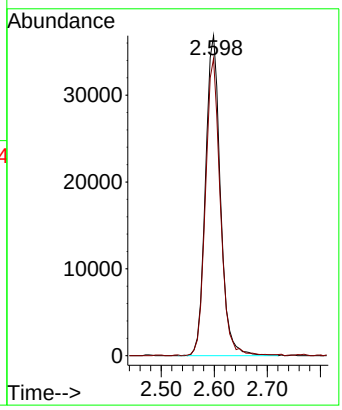




#5
Bromomethane
Concen: 46.361 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 94 Resp: 7178

Ion	Ratio	Lower	Upper
94	100		
96	92.6	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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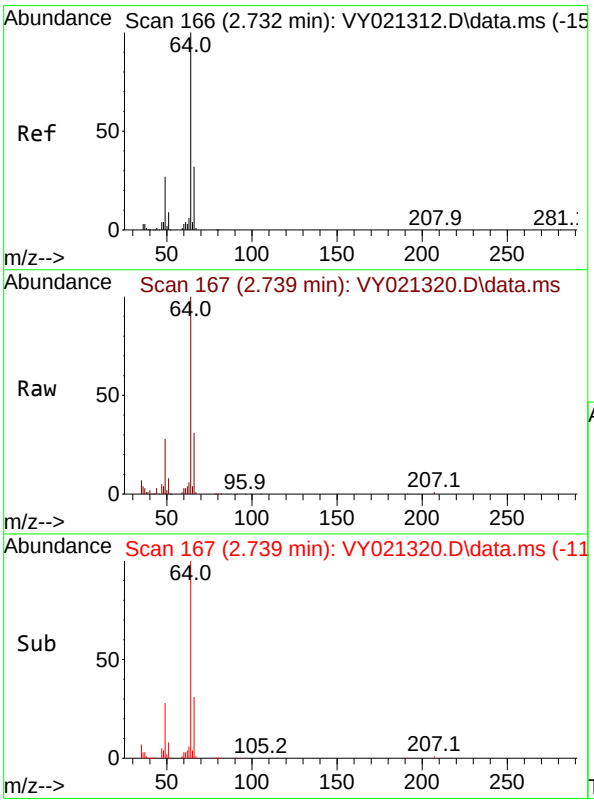
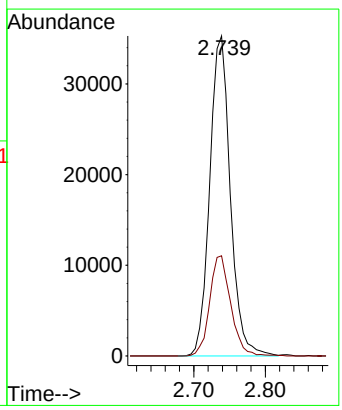
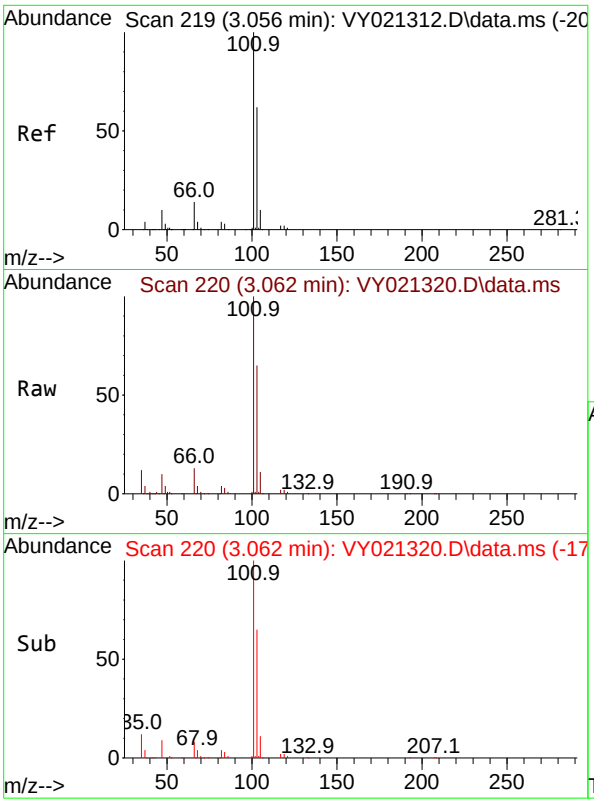


#6
Chloroethane
Concen: 48.772 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 64 Resp: 70476

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.4	38.0

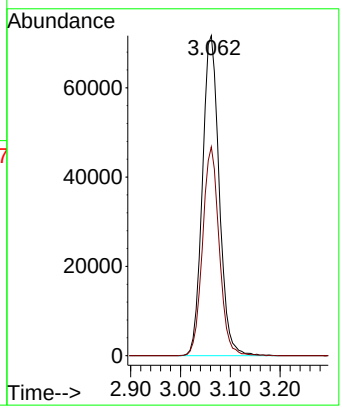




#7
Trichlorofluoromethane
Concen: 47.701 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:101 Resp: 16786

Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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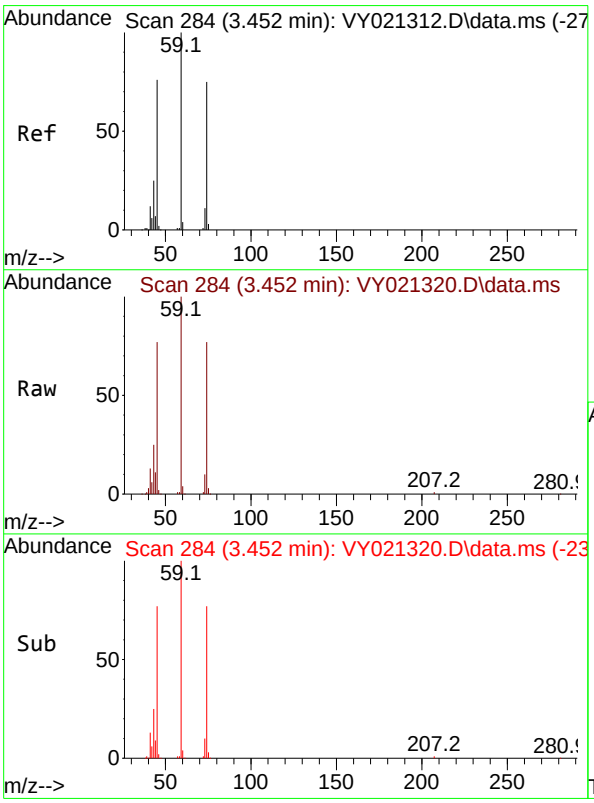
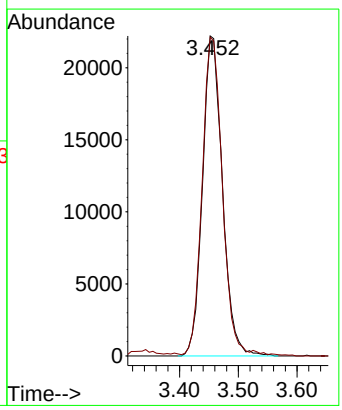
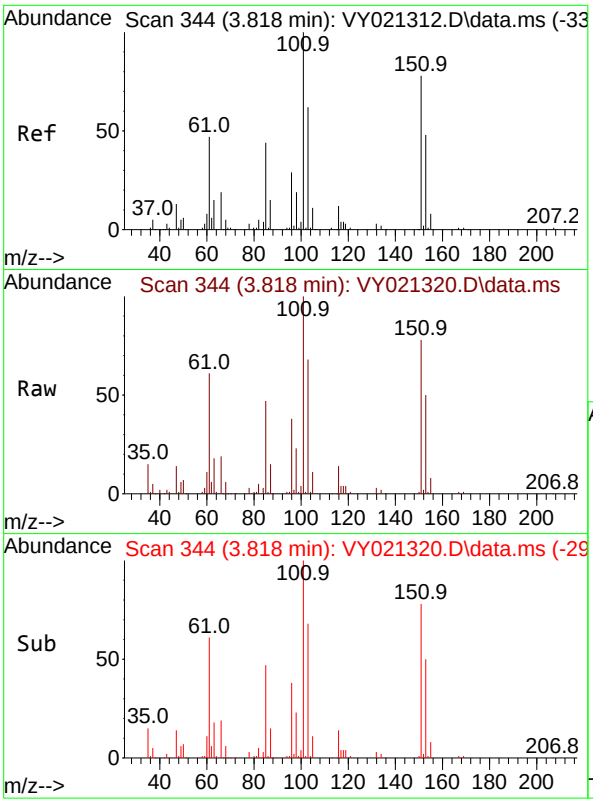


#8
Diethyl Ether
Concen: 49.537 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 74 Resp: 52323

Ion	Ratio	Lower	Upper
74	100		
45	99.2	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.169 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:101 Resp: 9610

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	77.0	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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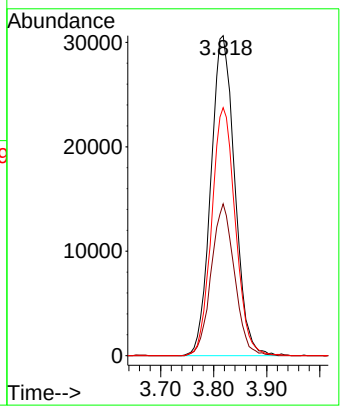
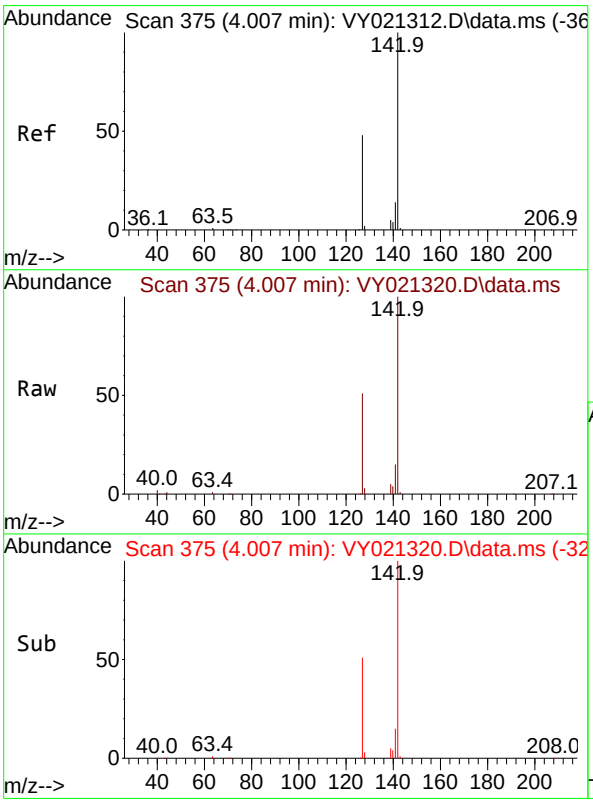
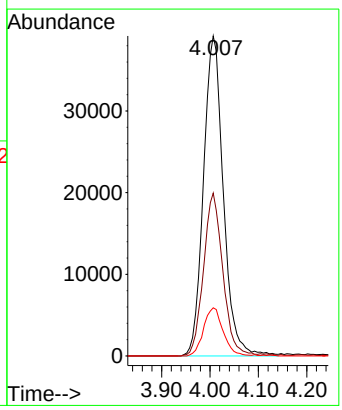


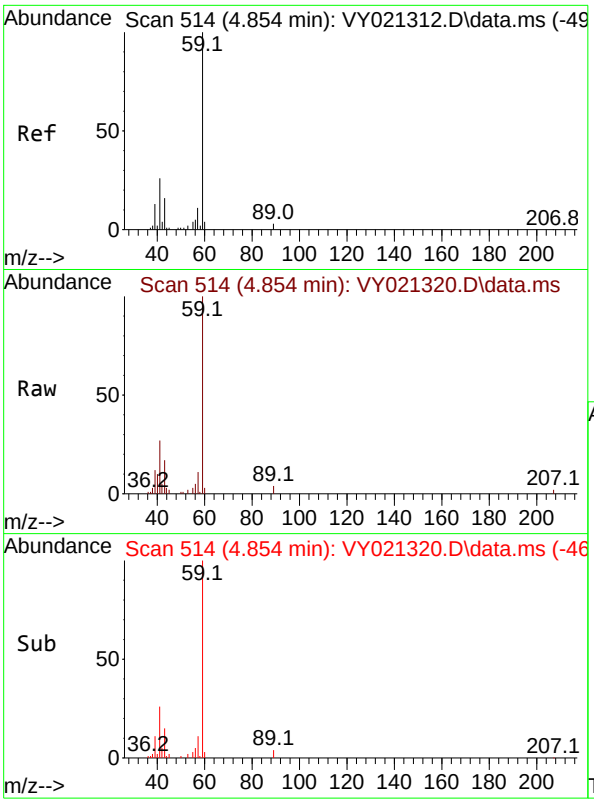


#10
Methyl Iodide
Concen: 52.212 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:142 Resp: 111918

Ion	Ratio	Lower	Upper
142	100		
127	49.4	39.2	58.8
141	14.8	11.4	17.2

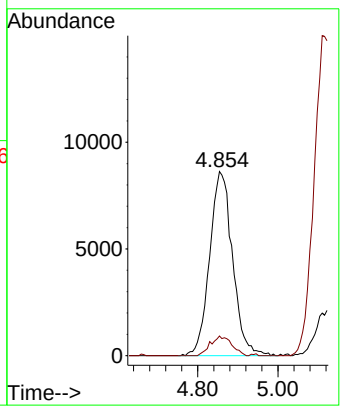




#11
Tert butyl alcohol
Concen: 202.221 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 59 Resp: 3421

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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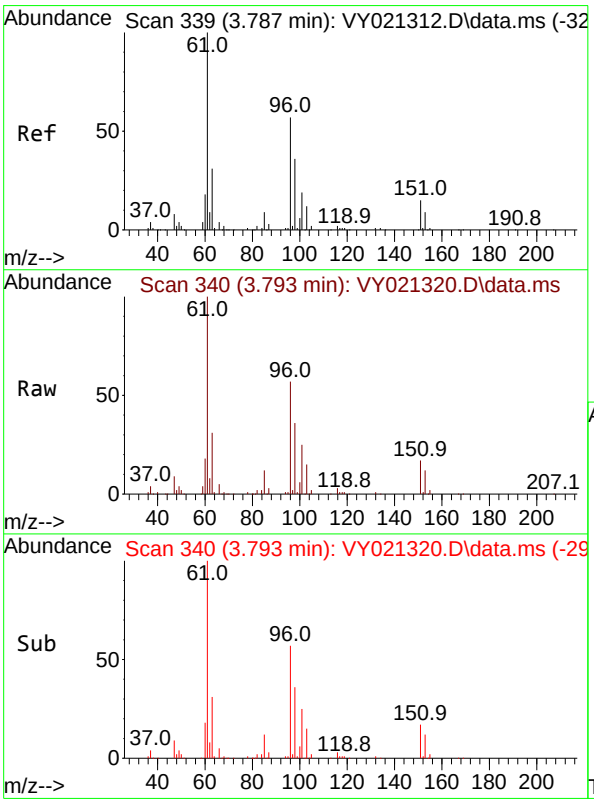
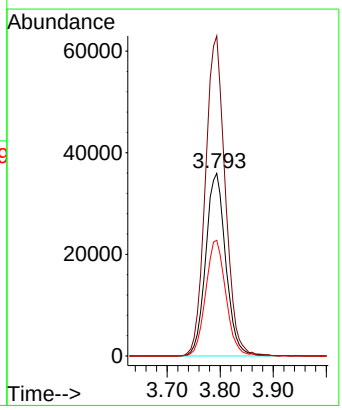
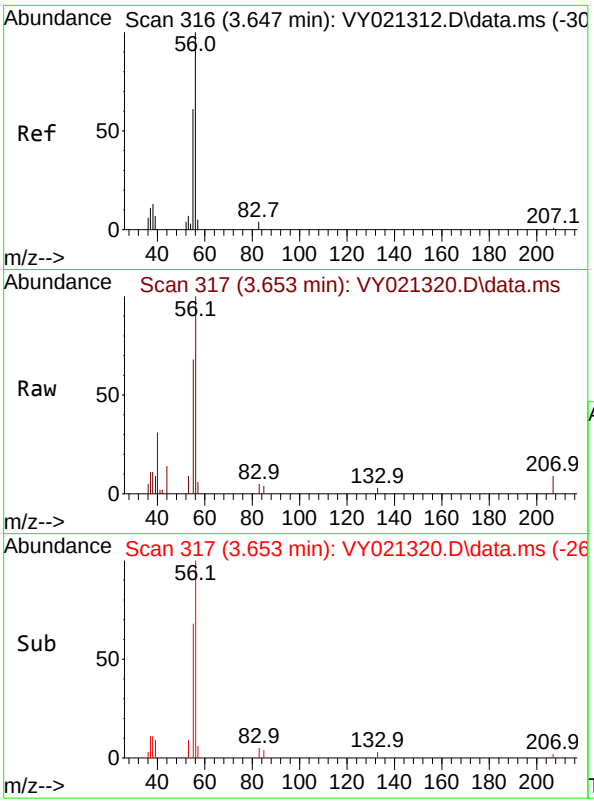


#12
1,1-Dichloroethene
Concen: 48.413 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 96 Resp: 94447

Ion	Ratio	Lower	Upper
96	100		
61	175.2	139.7	209.5
98	63.3	49.7	74.5

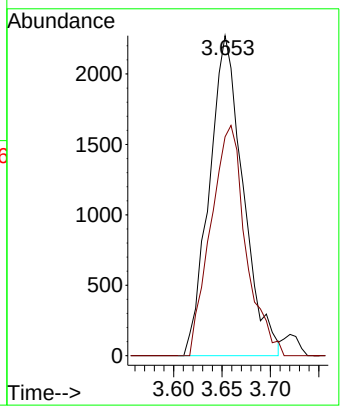




#13
Acrolein
Concen: 42.624 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 56 Resp: 552

Ion	Ratio	Lower	Upper
56	100		
55	74.4	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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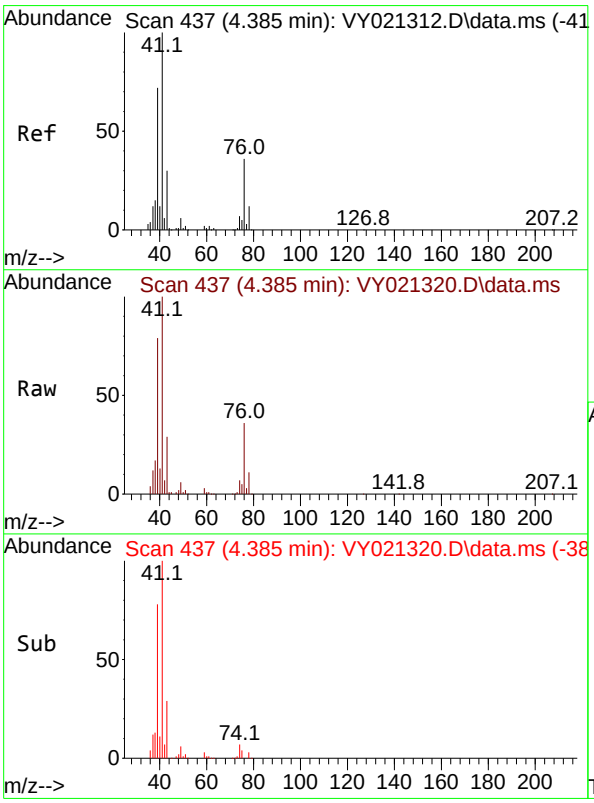
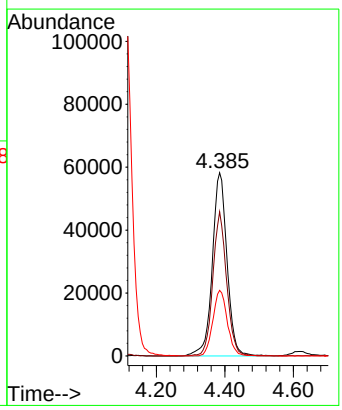
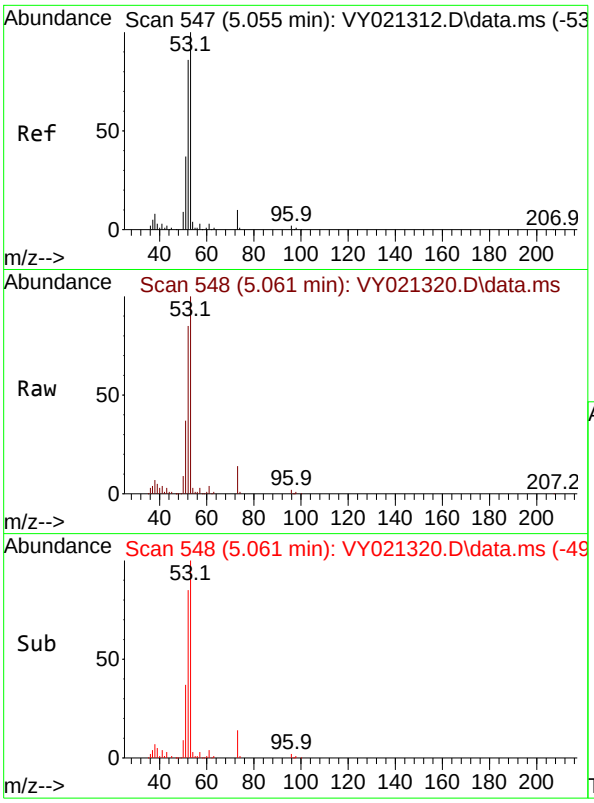


#14
Allyl chloride
Concen: 50.242 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 173778

Ion	Ratio	Lower	Upper
41	100		
39	73.8	60.0	90.0
76	35.2	29.0	43.6

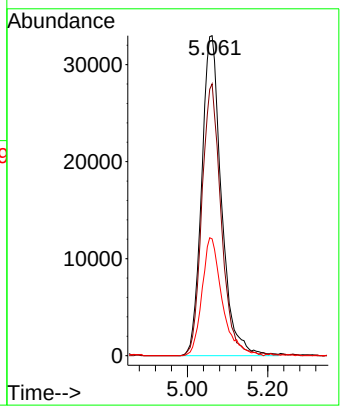




#15
Acrylonitrile
Concen: 241.892 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 53 Resp: 11296

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.7	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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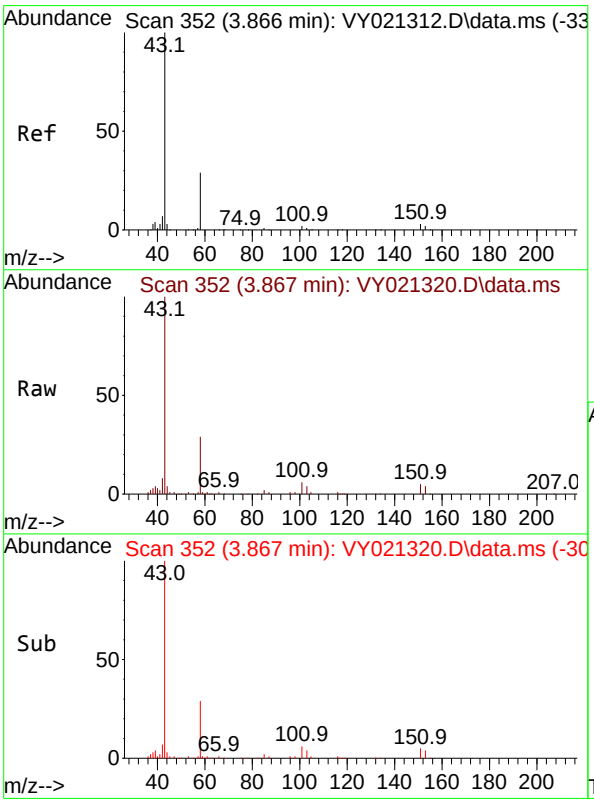
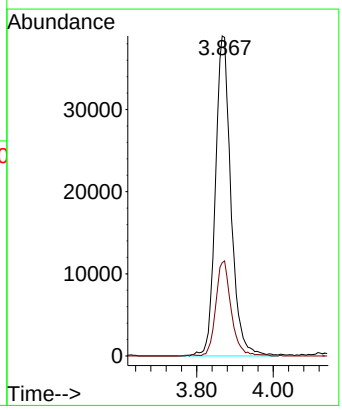
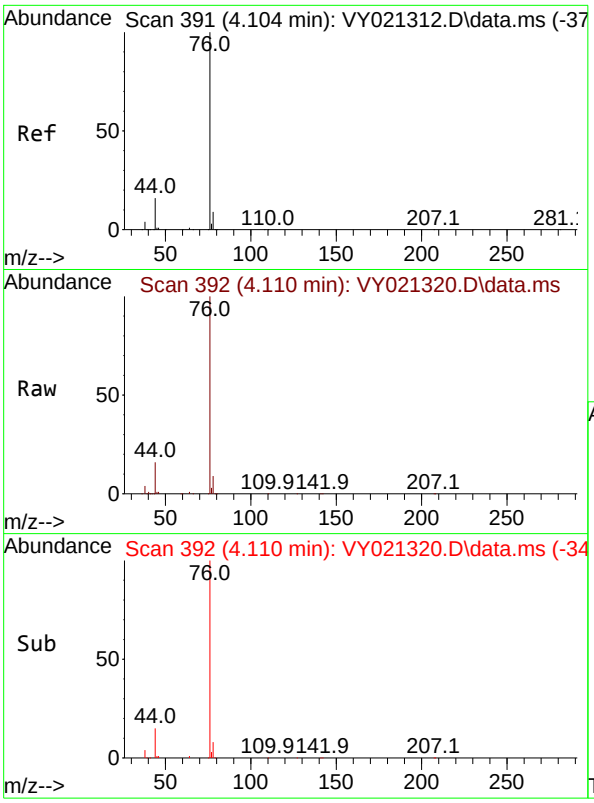


#16
Acetone
Concen: 260.267 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 109810

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.5	35.3

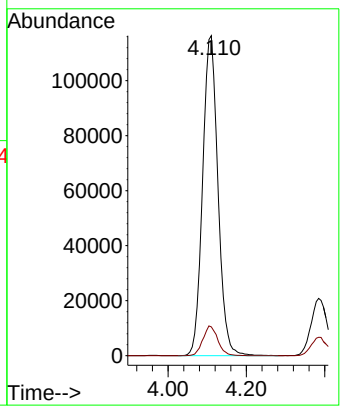




#17
Carbon Disulfide
Concen: 48.712 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 76 Resp: 31556

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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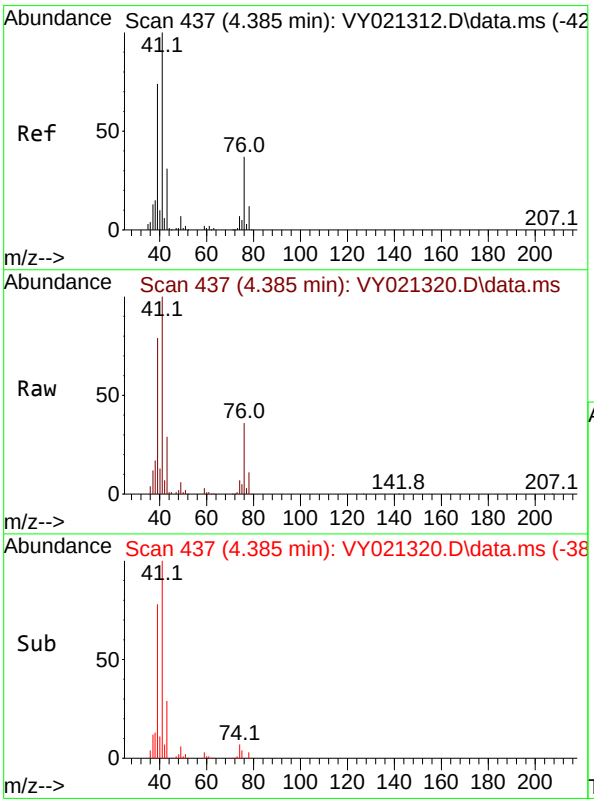
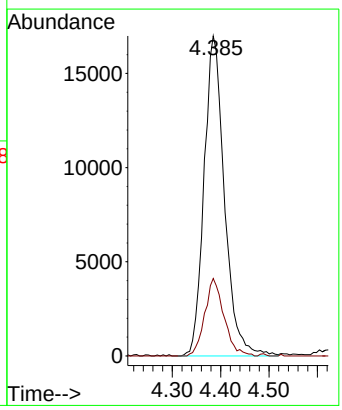
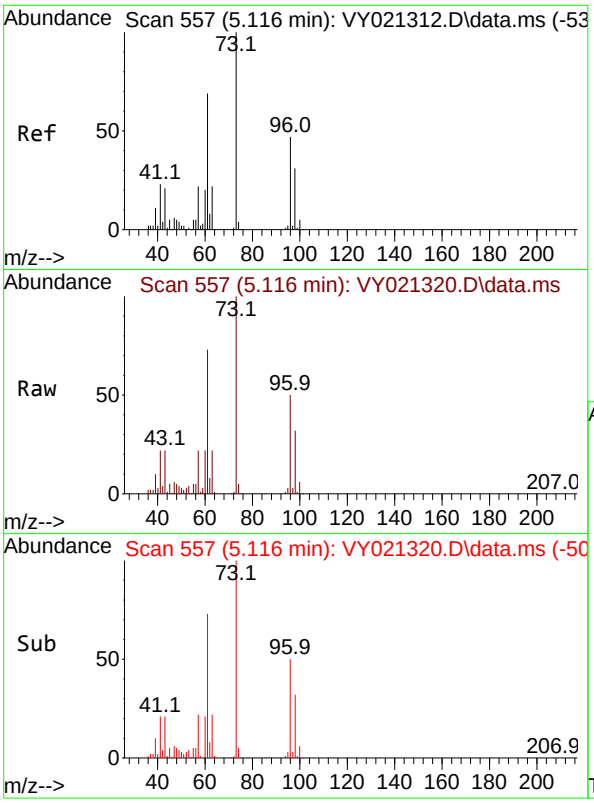


#18
Methyl Acetate
Concen: 48.342 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 49846

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.7	26.5

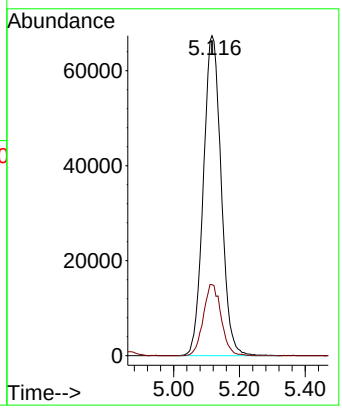




#19
Methyl tert-butyl Ether
Concen: 49.206 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 73 Resp: 25362

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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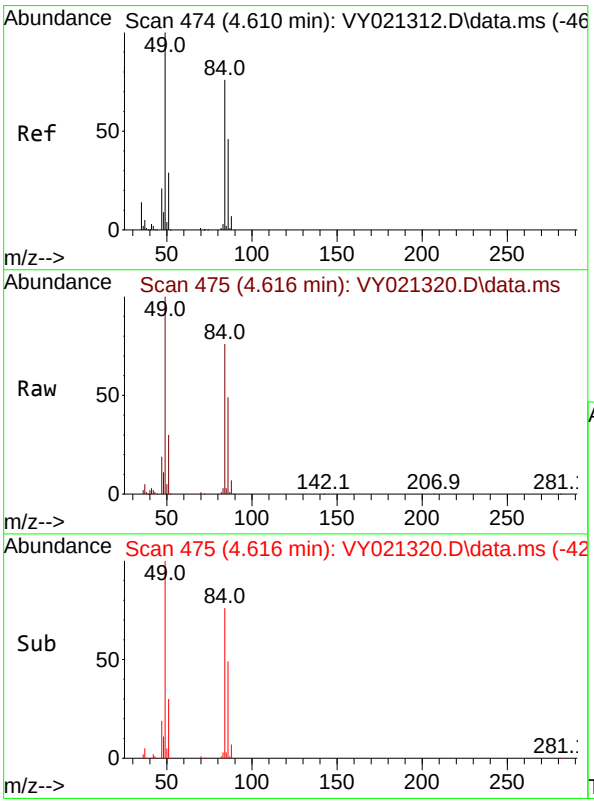
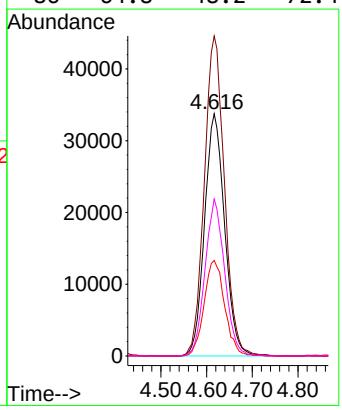
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

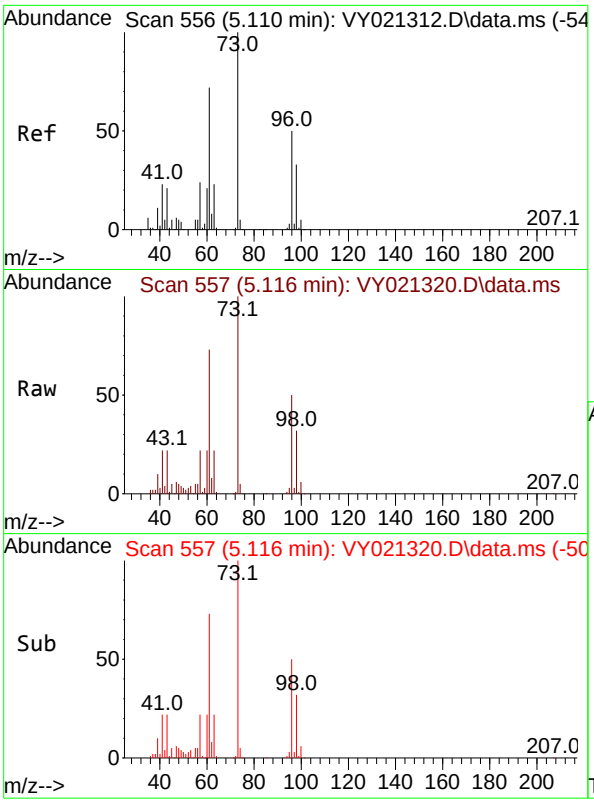


#20
Methylene Chloride
Concen: 45.263 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 84 Resp: 103268

Ion	Ratio	Lower	Upper
84	100		
49	132.1	105.1	157.7
51	39.5	31.0	46.4
86	64.8	48.2	72.4

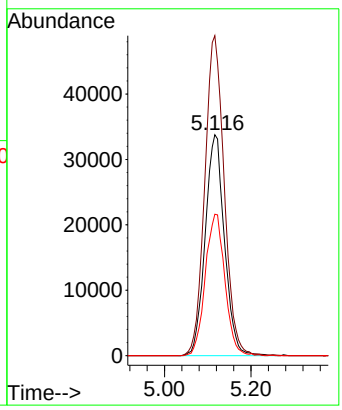




#21
trans-1,2-Dichloroethene
Concen: 48.708 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 96 Resp: 10460

Ion	Ratio	Lower	Upper
96	100		
61	144.8	116.3	174.5
98	64.0	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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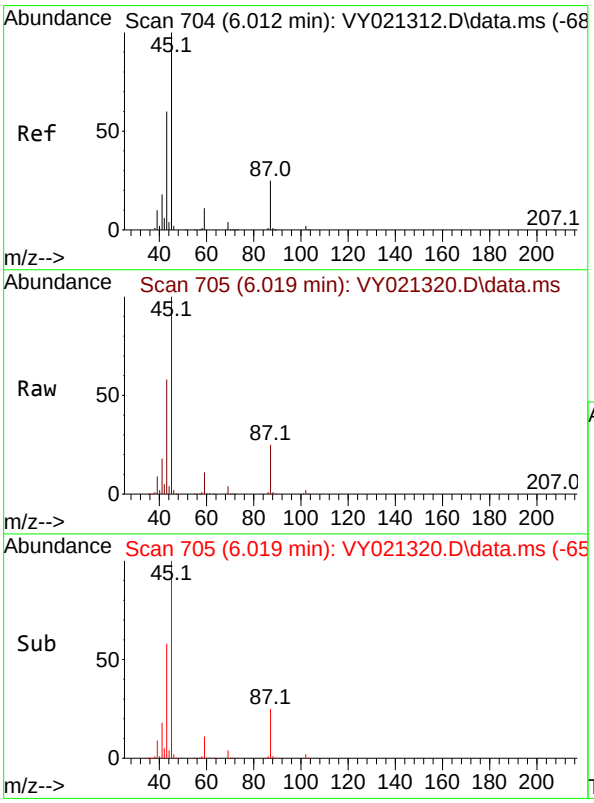
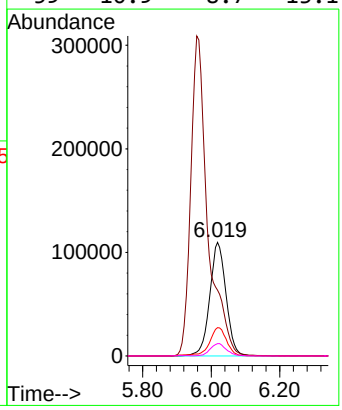
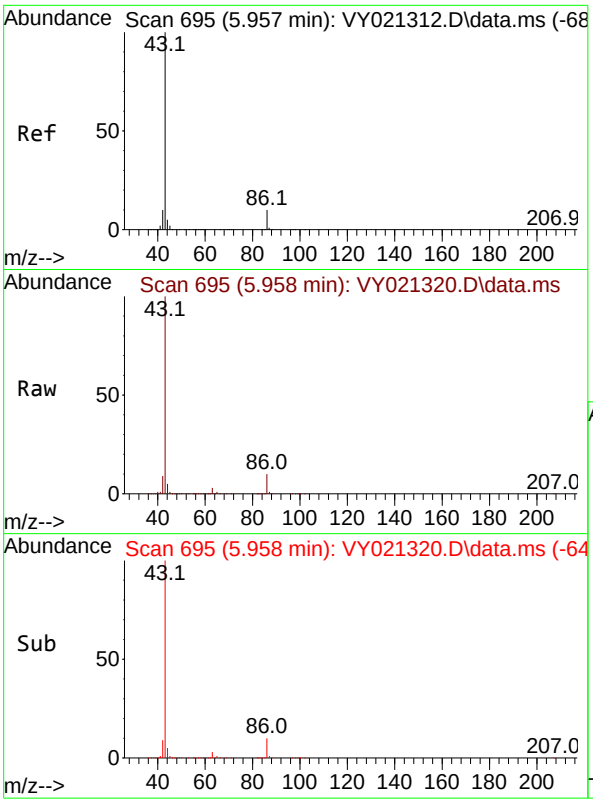


#22
Diisopropyl ether
Concen: 50.442 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 45 Resp: 361038

Ion	Ratio	Lower	Upper
45	100		
43	57.7	48.2	72.4
87	24.9	20.3	30.5
59	10.9	8.7	13.1

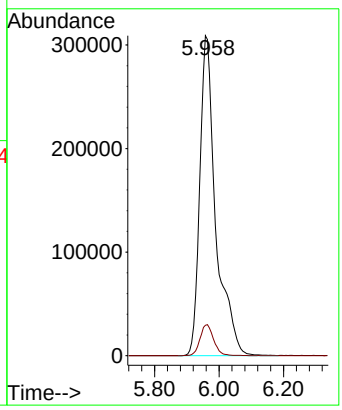




#23
Vinyl Acetate
Concen: 249.197 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 106584

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.0	12.0



Instrument :
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ClientSampleId :
VSTDCCC050

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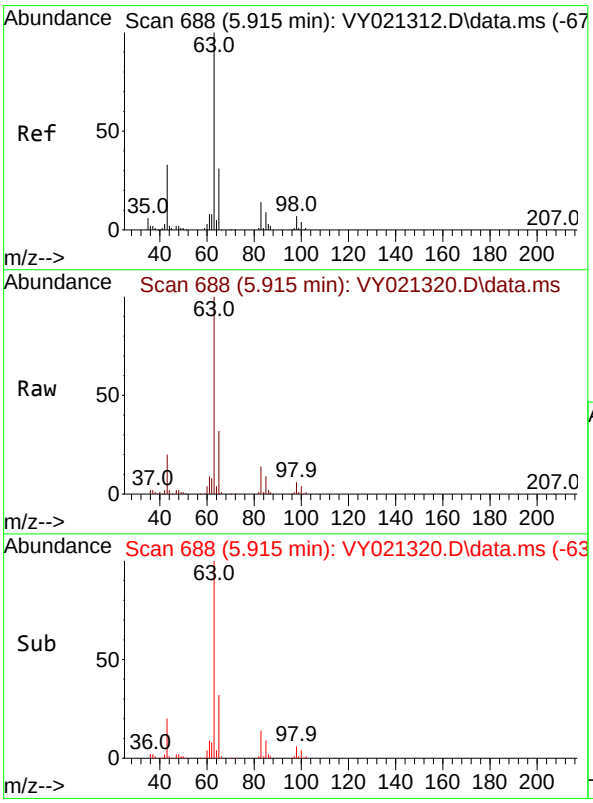
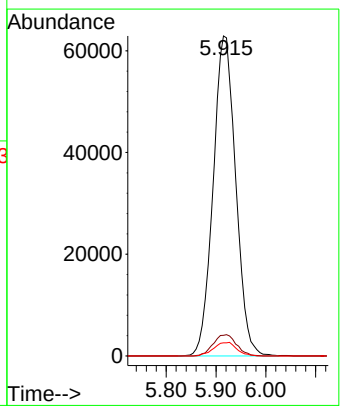
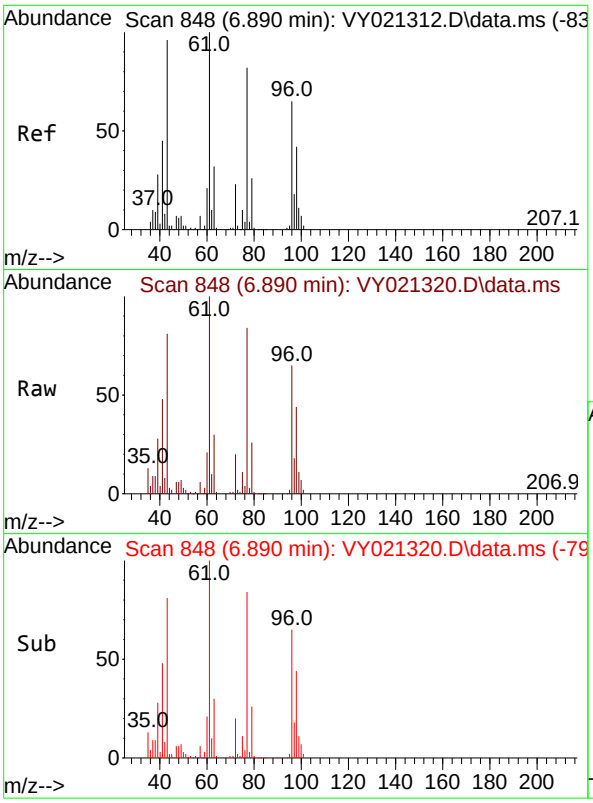


#24
1,1-Dichloroethane
Concen: 49.069 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 197949

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.7	11.1
100	4.1	2.1	6.5





#25
2-Butanone
Concen: 246.999 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 15728

Ion	Ratio	Lower	Upper
43	100		
72	24.5	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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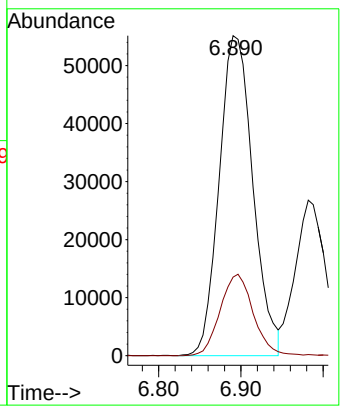
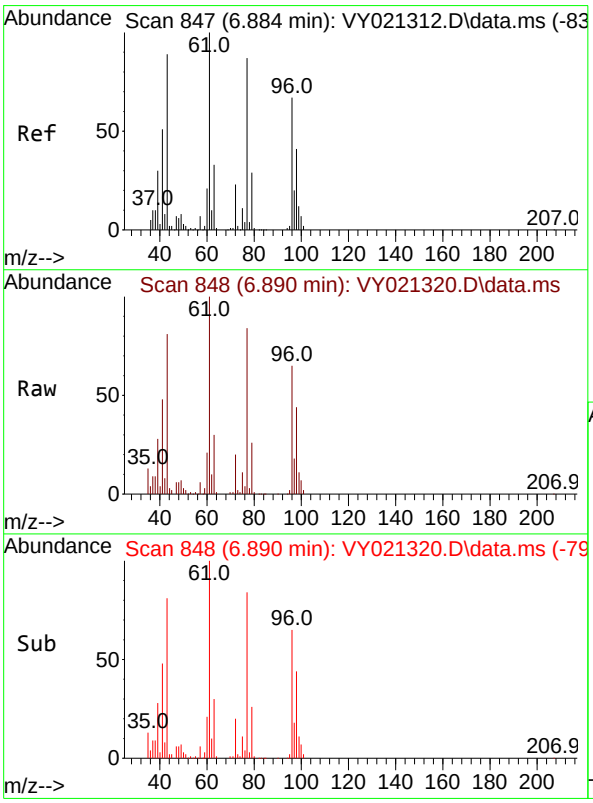
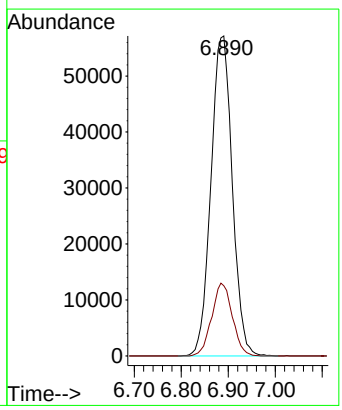


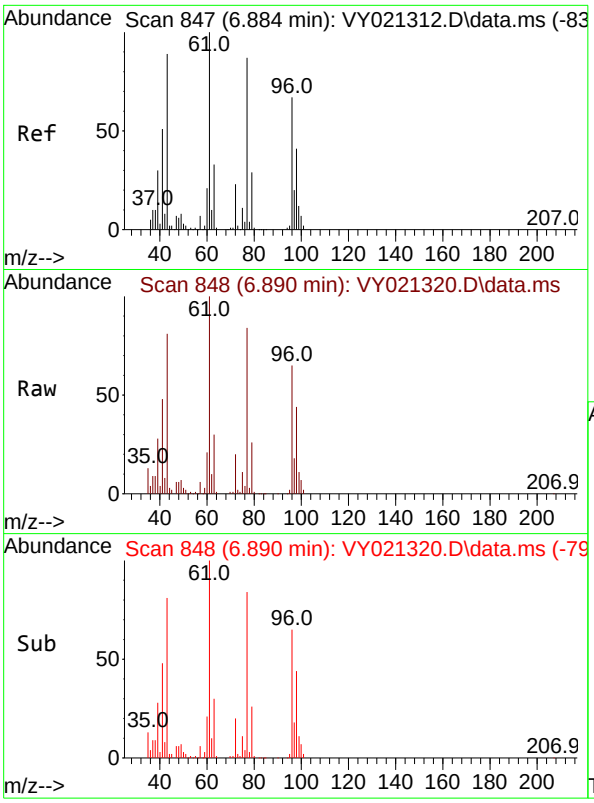


#26
2,2-Dichloropropane
Concen: 49.191 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 77 Resp: 180065

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7

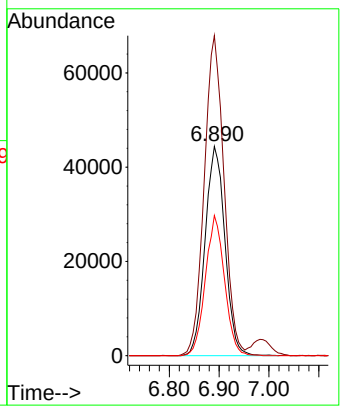




#27
cis-1,2-Dichloroethene
Concen: 50.053 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 96 Resp: 12275

Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	308.0
98	64.6	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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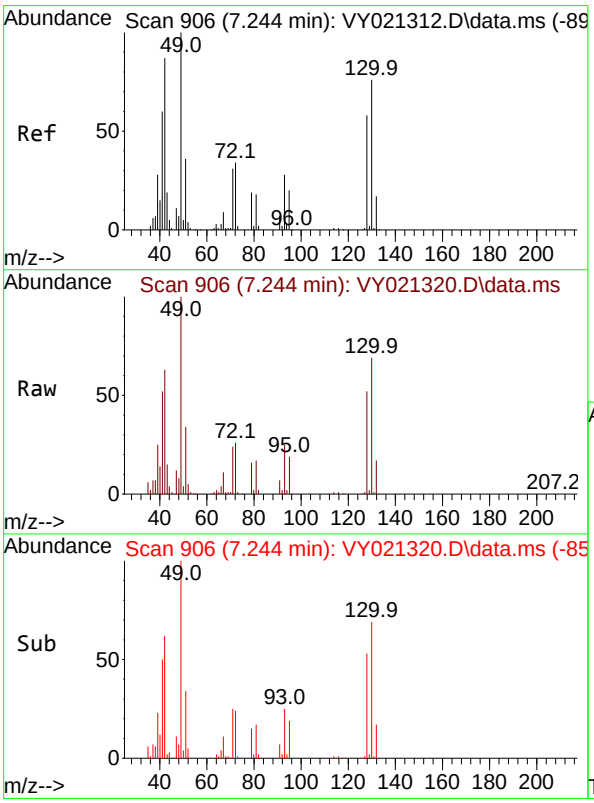
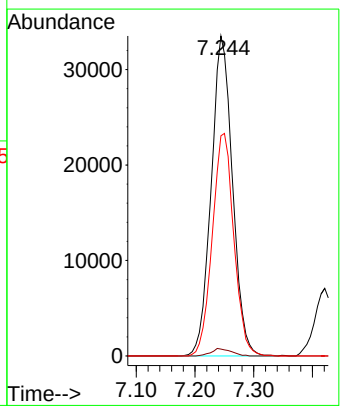
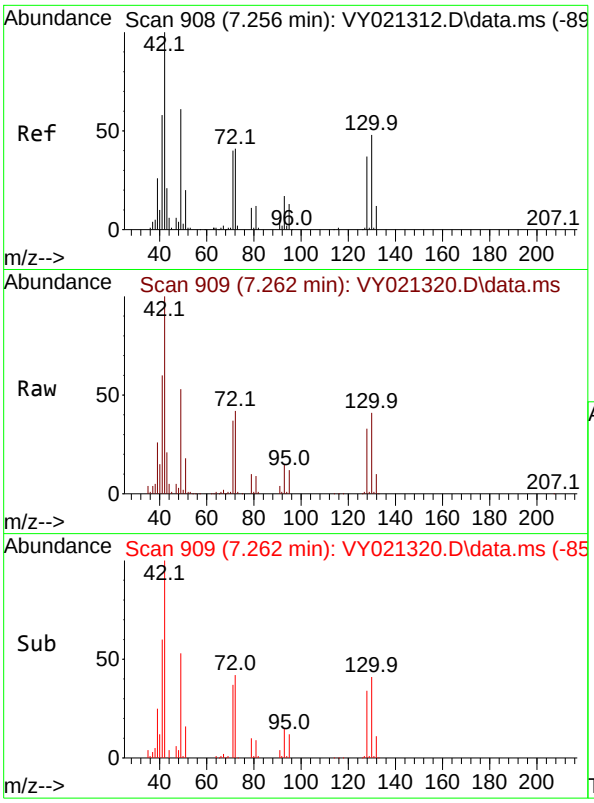


#28
Bromochloromethane
Concen: 47.247 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 49 Resp: 84337

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	70.3	57.8	86.6

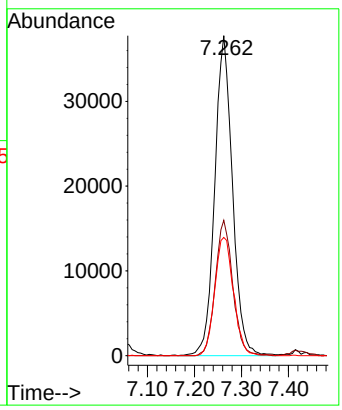




#29
Tetrahydrofuran
Concen: 238.435 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 42 Resp: 9924

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.1	49.7
71	39.1	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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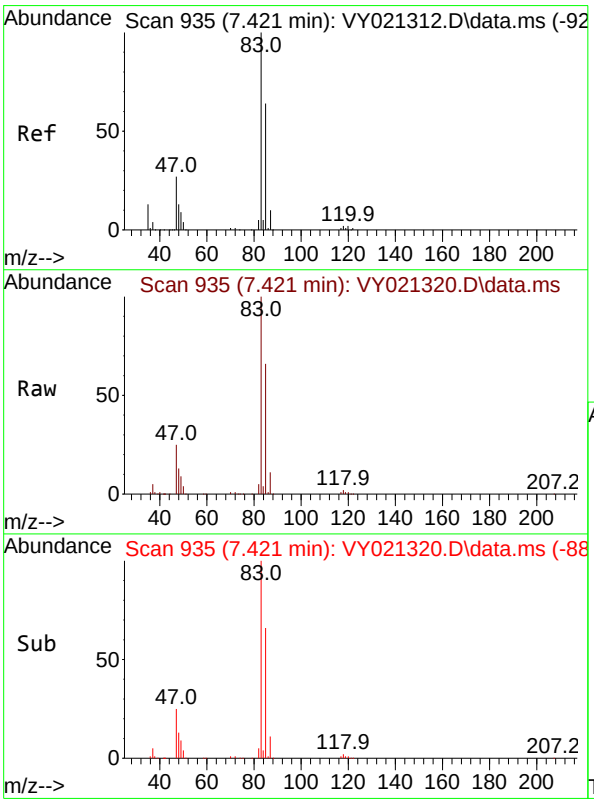
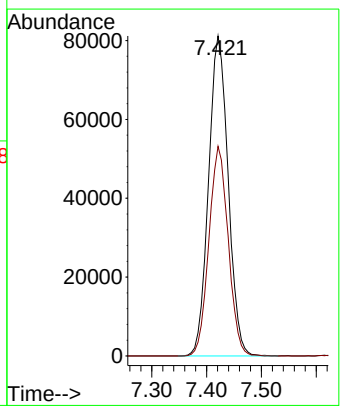
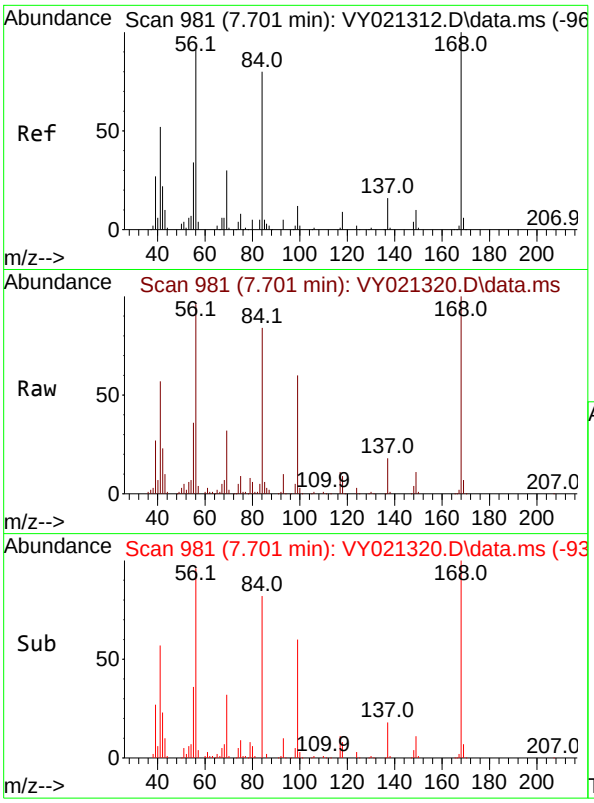


#30
Chloroform
Concen: 49.253 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 201334

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.6	77.4

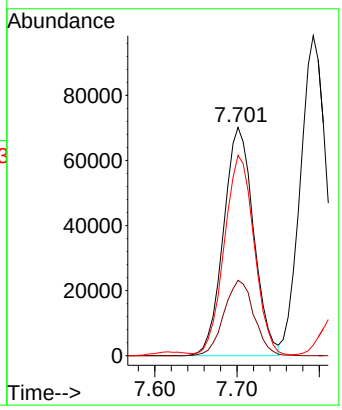




#31
Cyclohexane
Concen: 46.094 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 56 Resp: 17874

Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	86.1	70.2	105.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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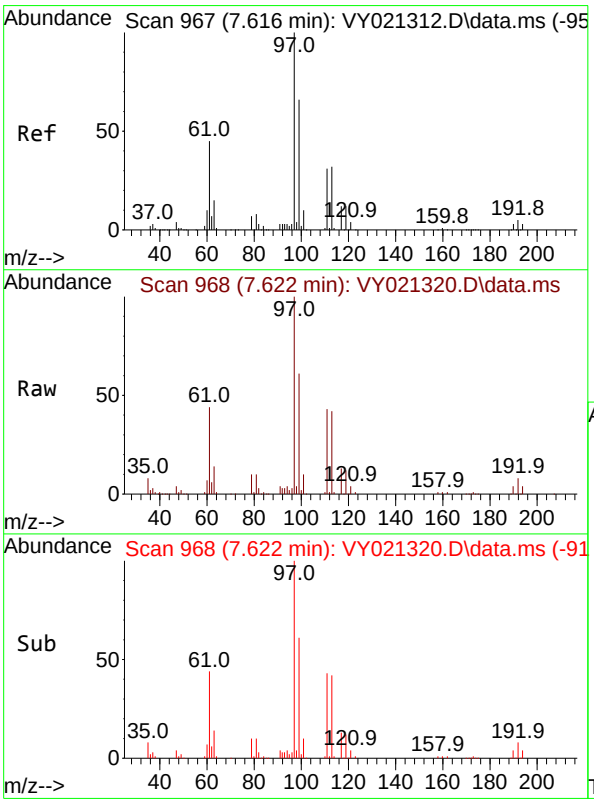
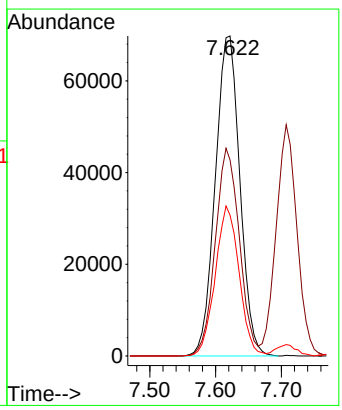
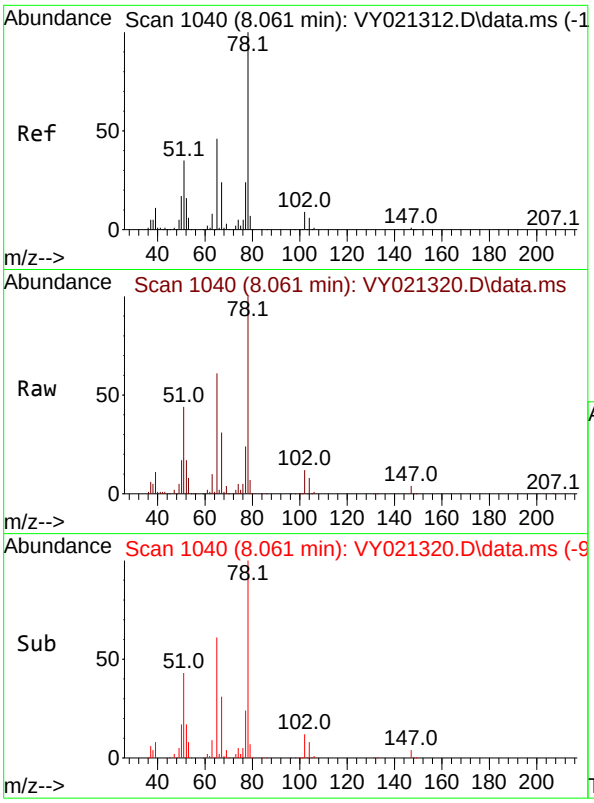


#32
1,1,1-Trichloroethane
Concen: 48.795 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 97 Resp: 181553

Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.4	78.6
61	45.6	36.2	54.2

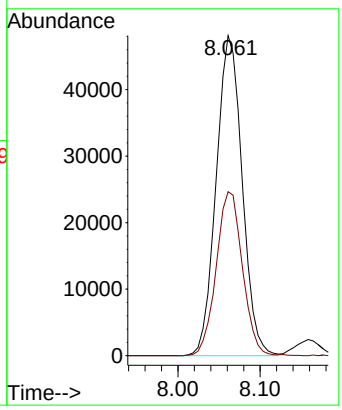




#33
1,2-Dichloroethane-d4
Concen: 47.987 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 65 Resp: 10554

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
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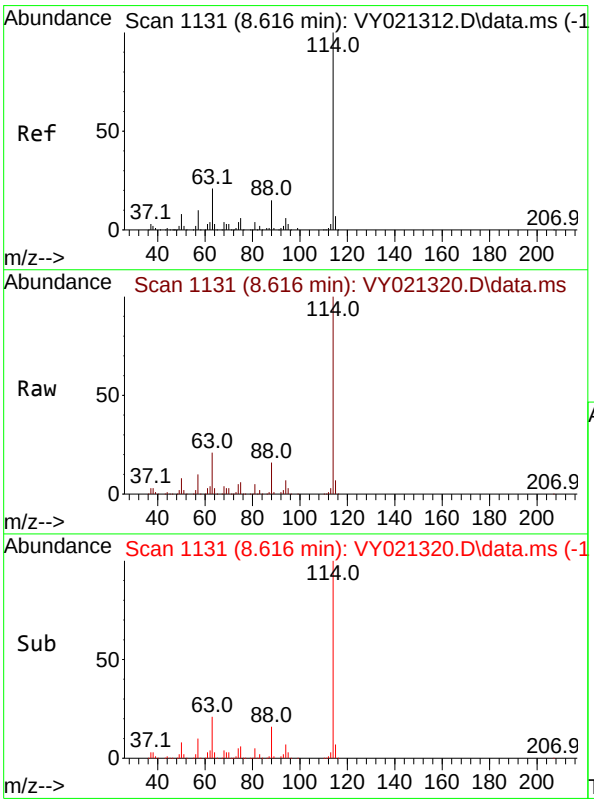
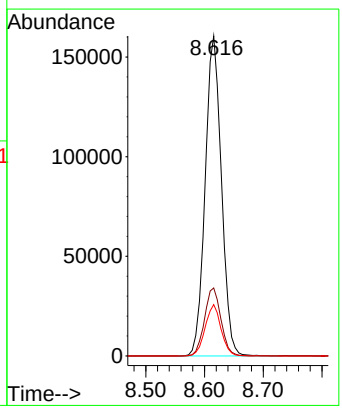
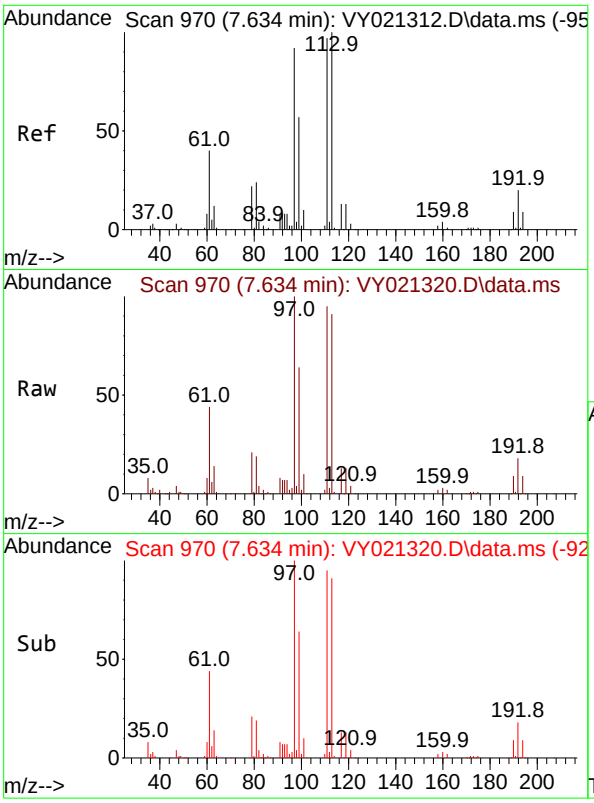


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:114 Resp: 308714

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.2
88	16.0	0.0	29.8

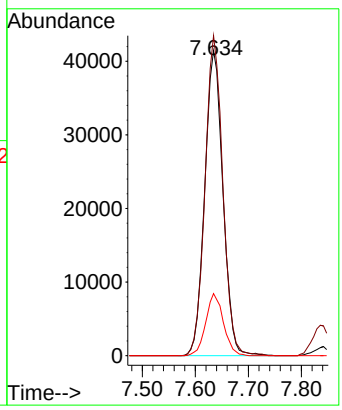




#35
Dibromofluoromethane
Concen: 48.743 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:113 Resp: 9865

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.0	121.6
192	19.8	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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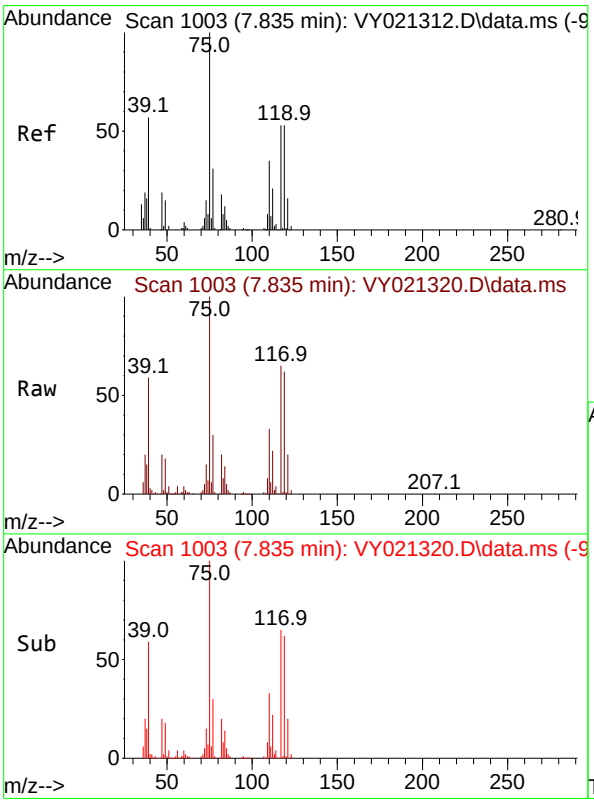
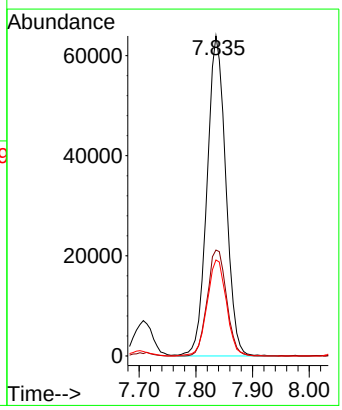
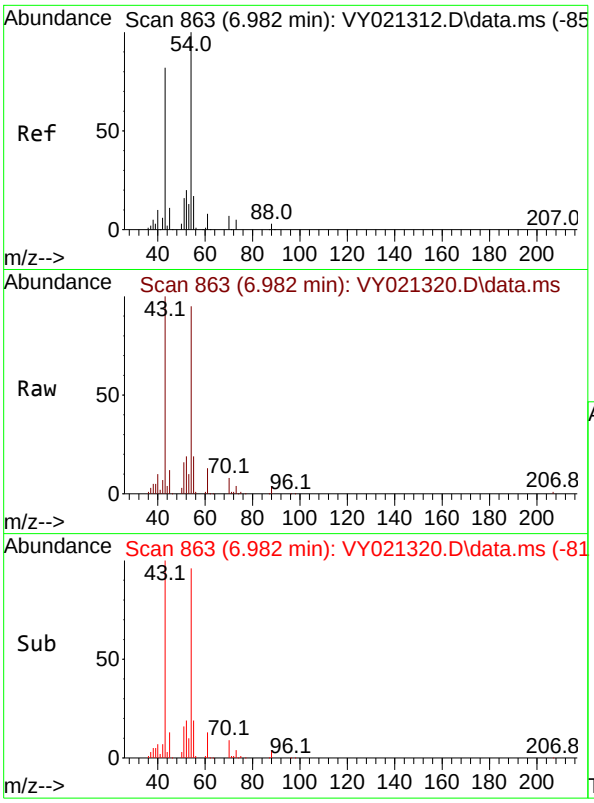


#36
1,1-Dichloropropene
Concen: 48.254 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 146702

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.9	50.7
77	30.9	24.6	36.8





#37
Ethyl Acetate
Concen: 48.080 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 7271

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.2	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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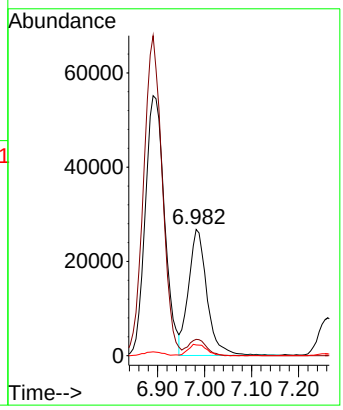
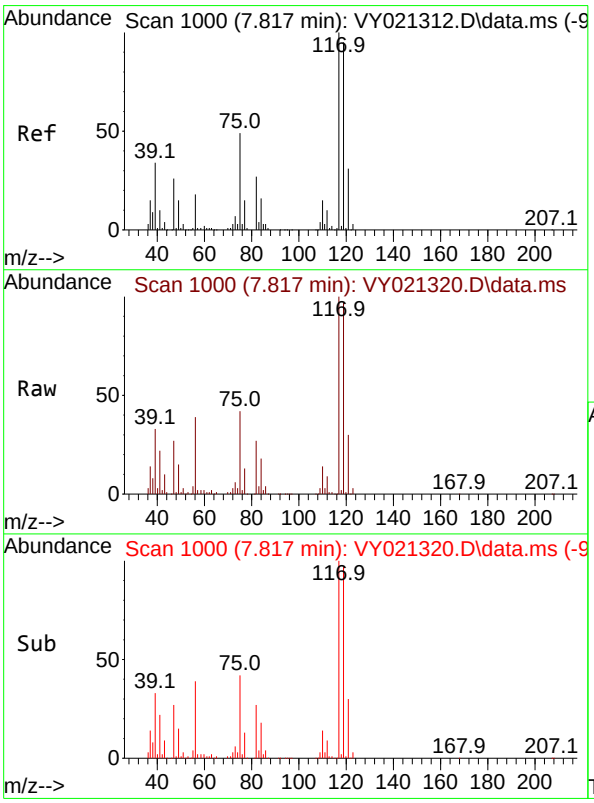
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

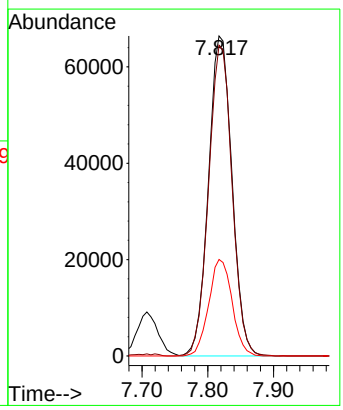


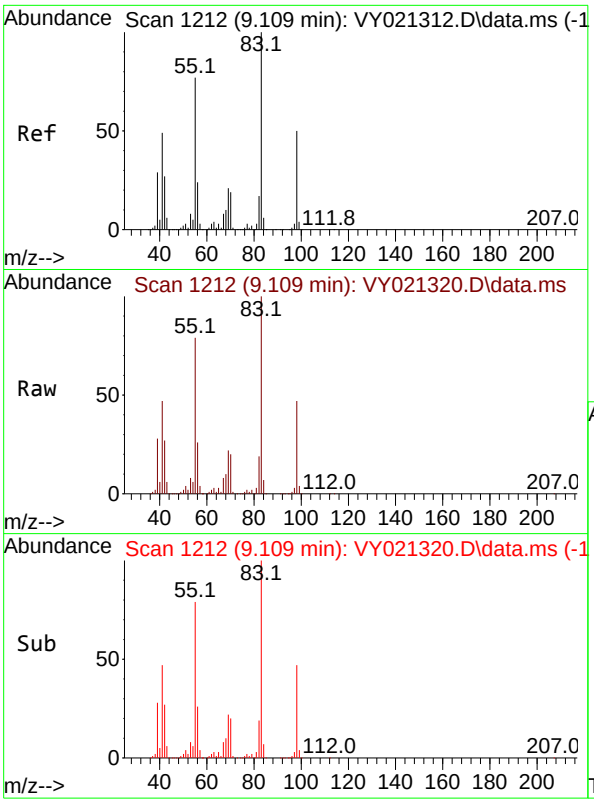


#38
Carbon Tetrachloride
Concen: 48.402 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 165430

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.0	114.0
121	30.1	24.9	37.3





#39
Methylcyclohexane
Concen: 46.422 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 17850

Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.3	91.9
98	47.3	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
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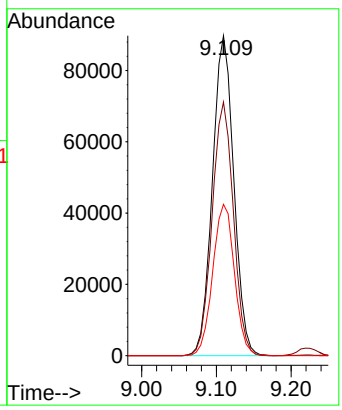
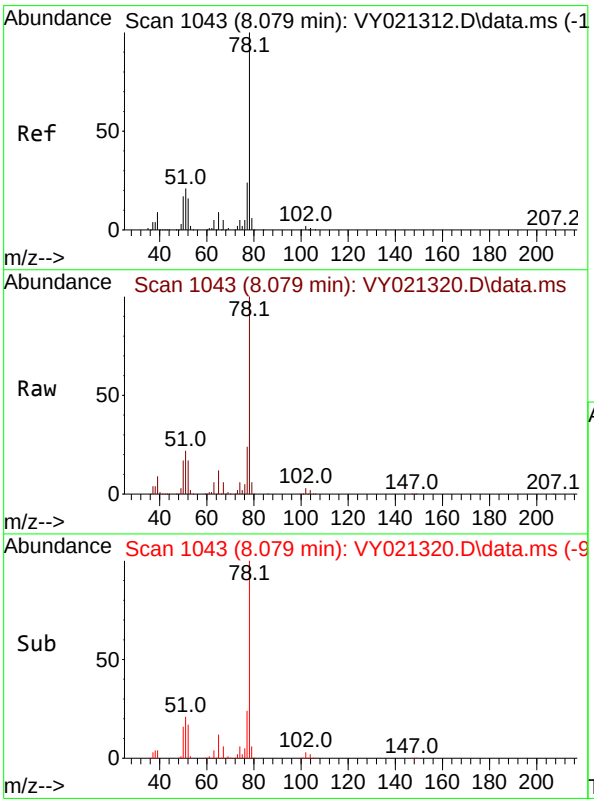
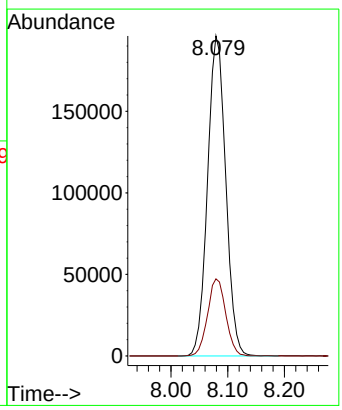


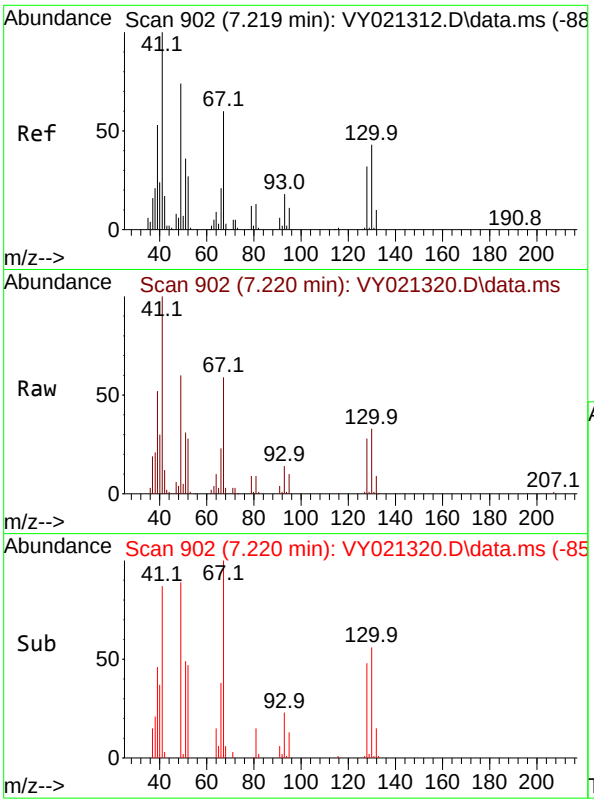


#40
Benzene
Concen: 48.593 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 78 Resp: 436709

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8

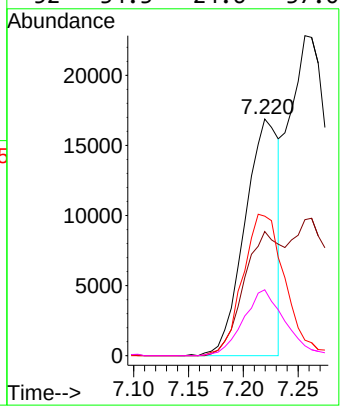




#41
Methacrylonitrile
Concen: 42.766 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 3616

Ion	Ratio	Lower	Upper
41	100		
39	61.0	42.3	63.5
67	75.4	54.8	82.2
52	34.3	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
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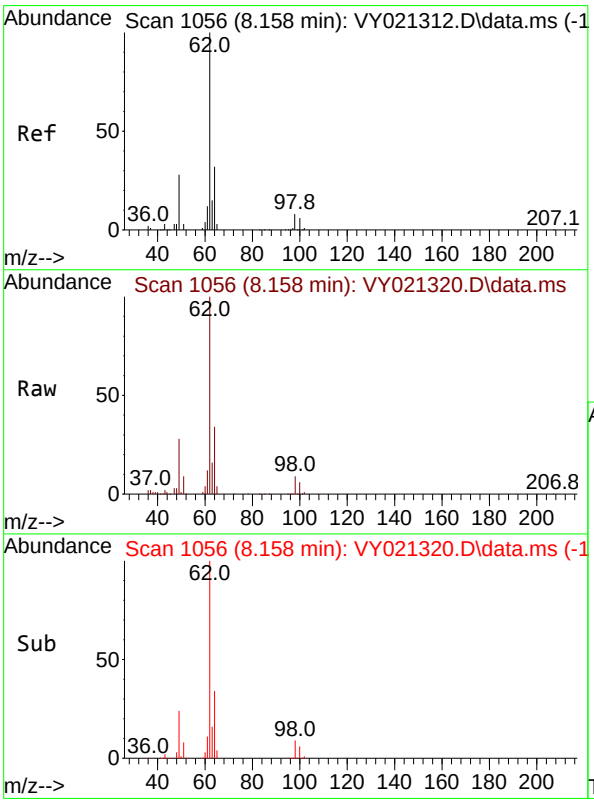
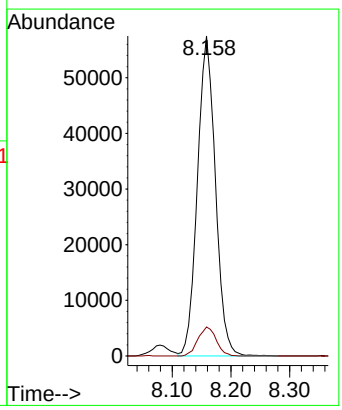
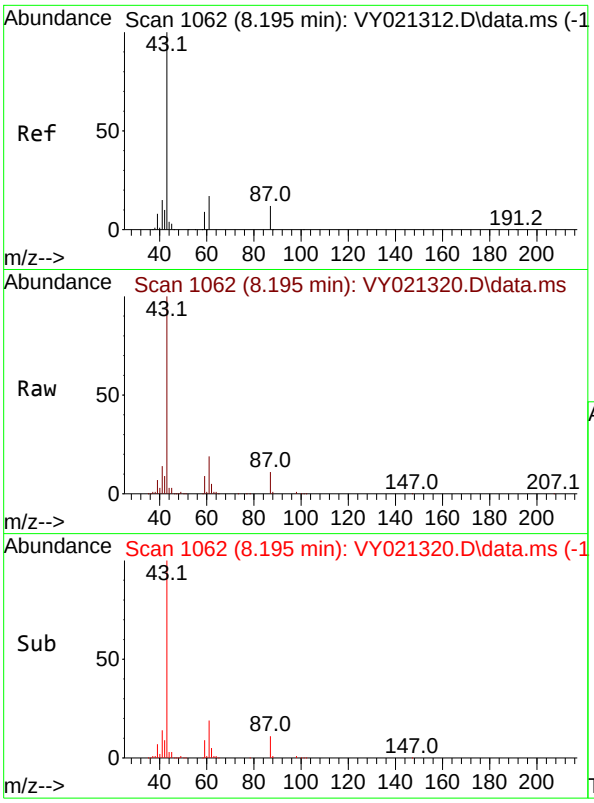


#42
1,2-Dichloroethane
Concen: 47.978 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 62 Resp: 122335

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.6

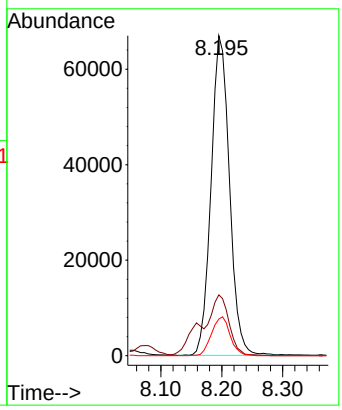




#43
Isopropyl Acetate
Concen: 47.984 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 14045

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.0	22.6
87	12.3	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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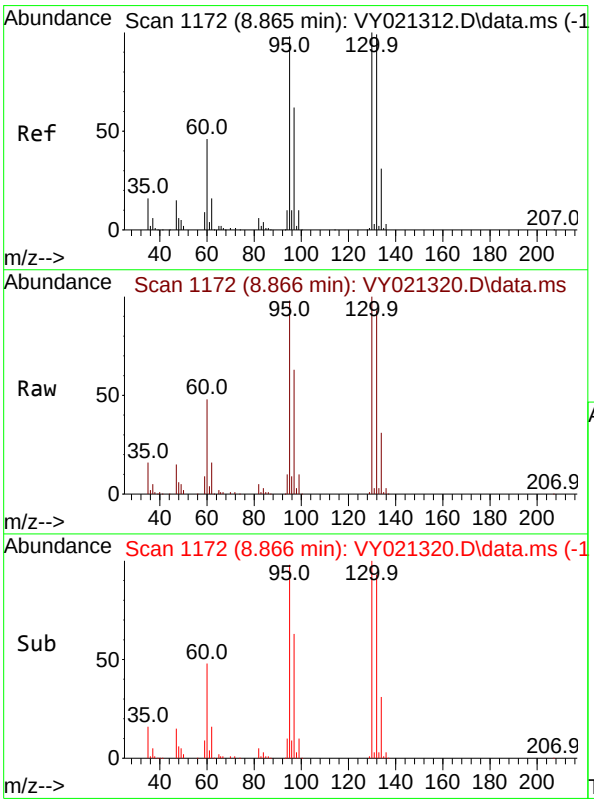
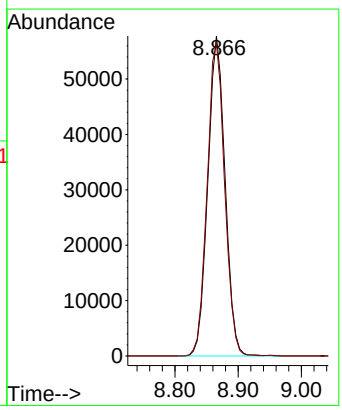
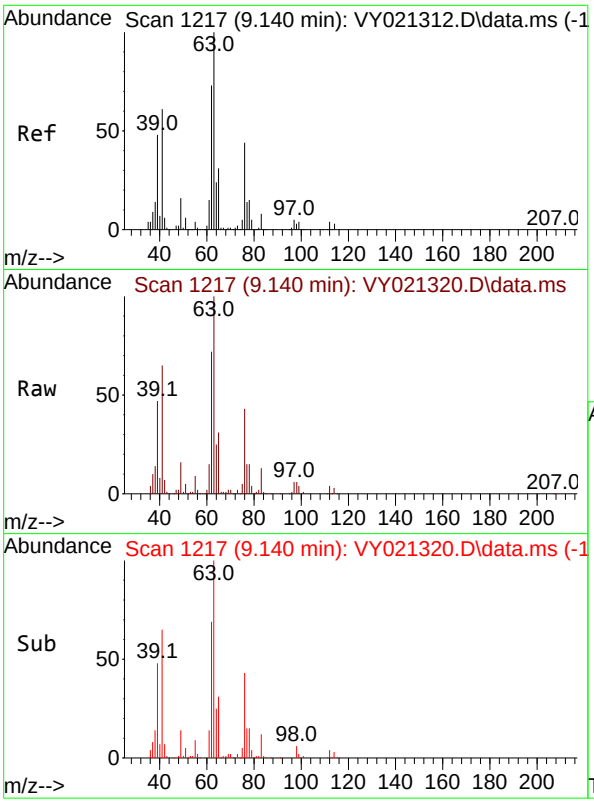


#44
Trichloroethene
Concen: 48.665 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:130 Resp: 109499

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	196.0

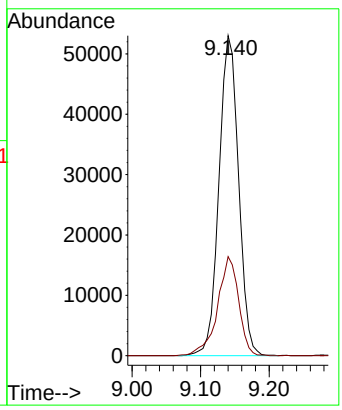




#45
1,2-Dichloropropane
Concen: 48.637 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 10519

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	36.8



Instrument :
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ClientSampleId :
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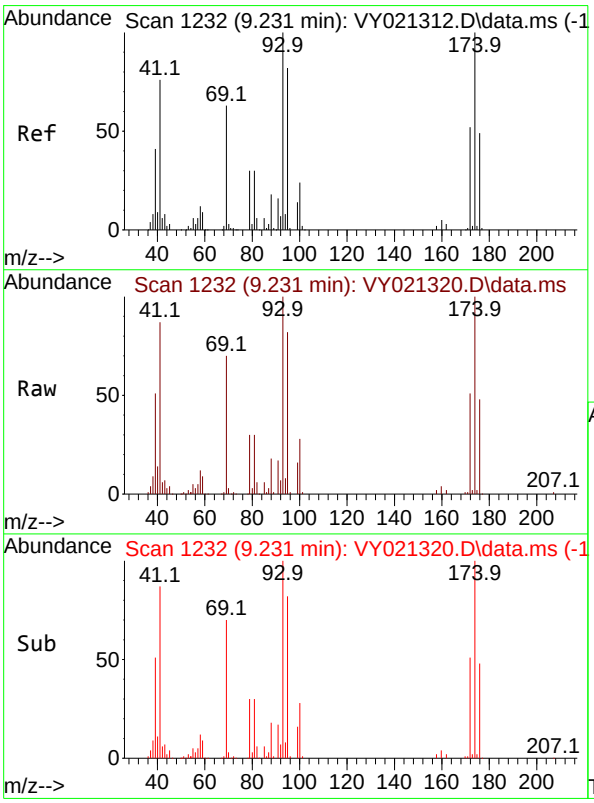
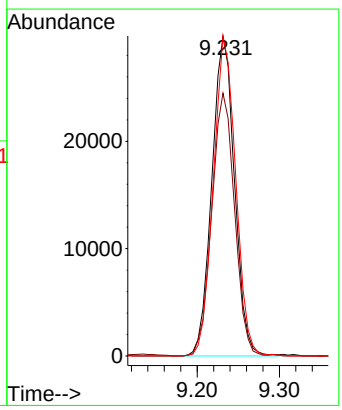
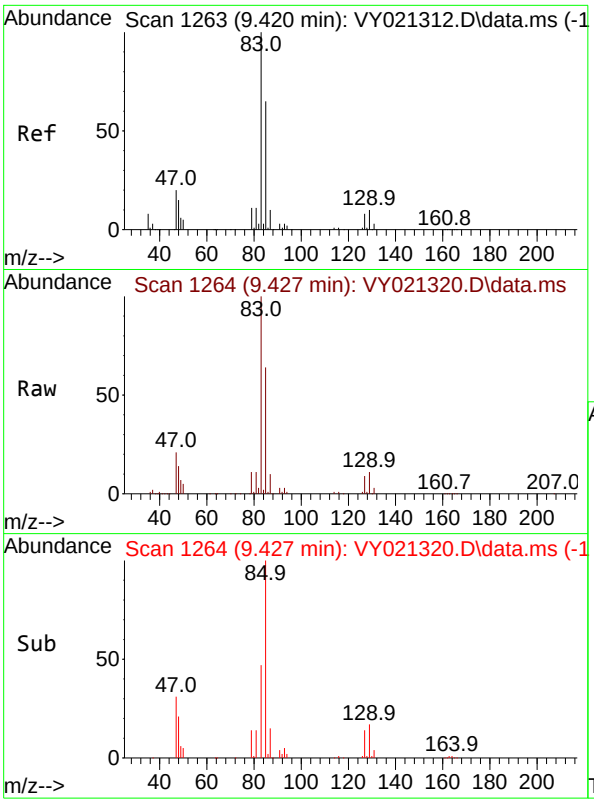


#46
Dibromomethane
Concen: 48.195 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 93 Resp: 56977

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.4	99.6
174	98.8	78.2	117.2

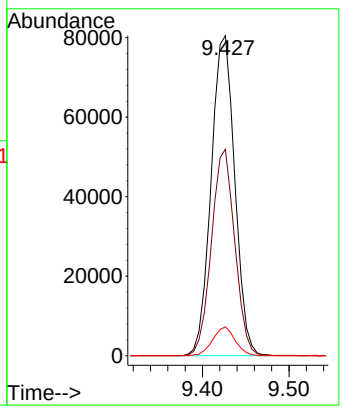




#47
Bromodichloromethane
Concen: 48.352 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 15241

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8
127	9.0	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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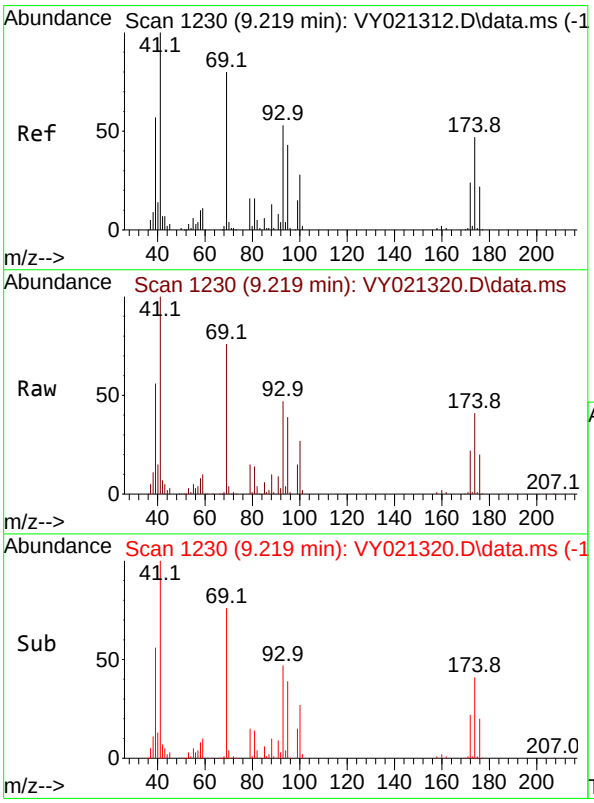
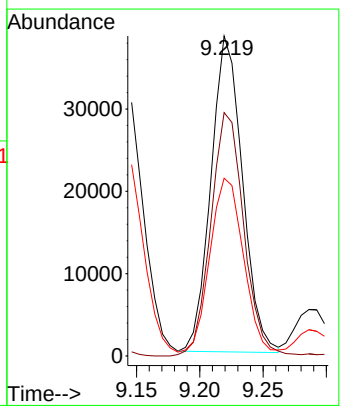
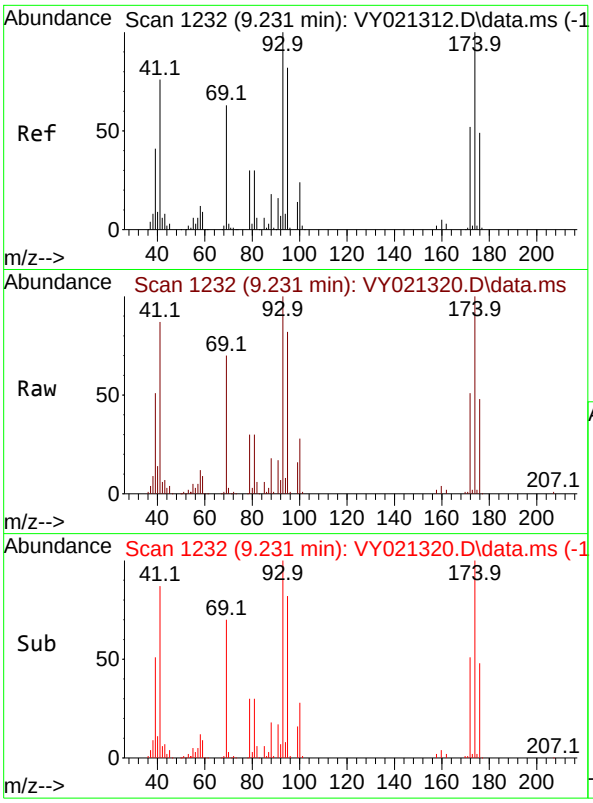


#48
Methyl methacrylate
Concen: 48.481 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 66362

Ion	Ratio	Lower	Upper
41	100		
69	80.7	63.3	94.9
39	58.6	45.0	67.6





#49
1,4-Dioxane
Concen: 944.605 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 88 Resp: 1241

Ion	Ratio	Lower	Upper
88	100		
43	35.7	34.8	52.2
58	74.3	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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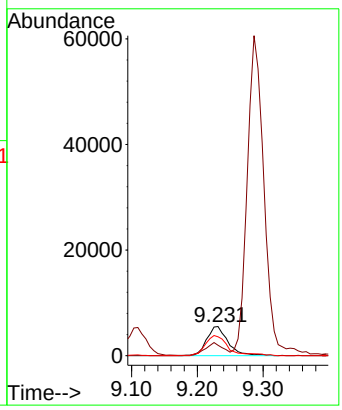
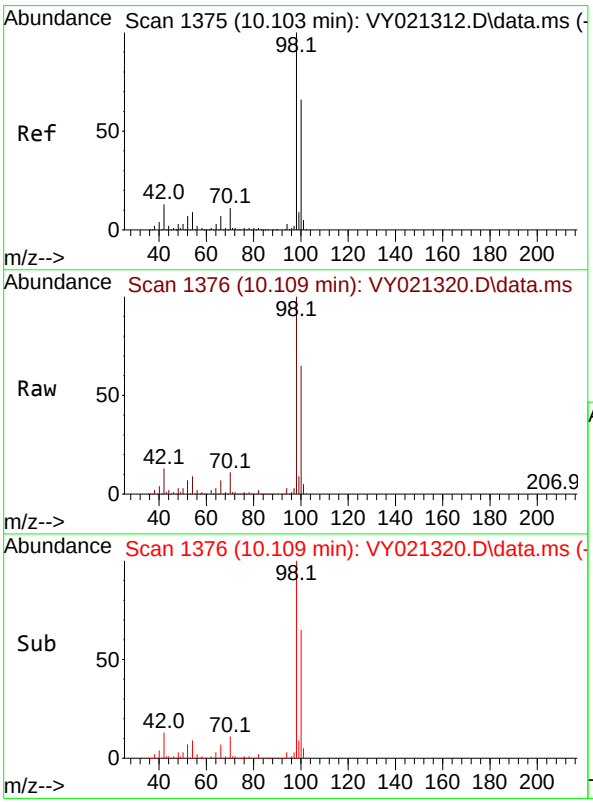
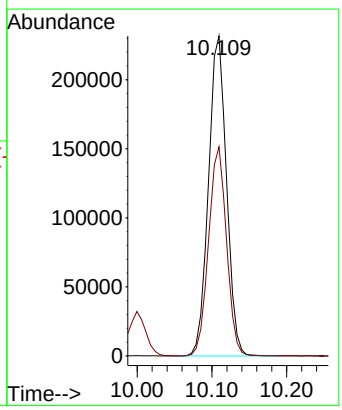


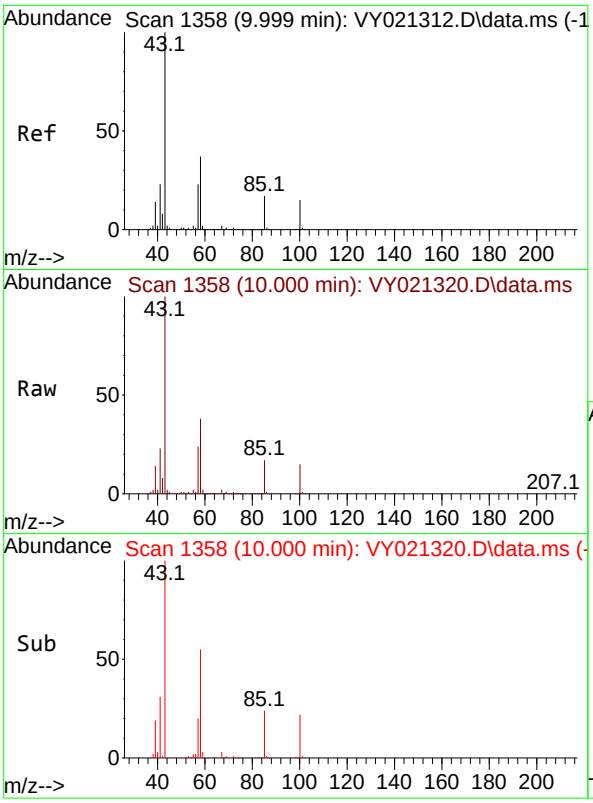


#50
Toluene-d8
Concen: 49.599 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 98 Resp: 387966

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6

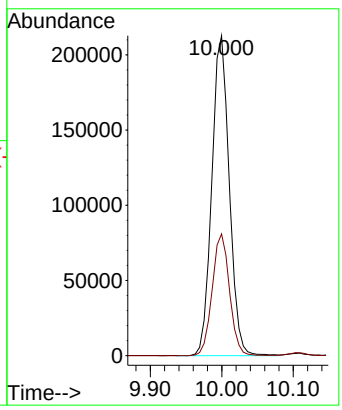




#51
4-Methyl-2-Pentanone
Concen: 240.853 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 36089

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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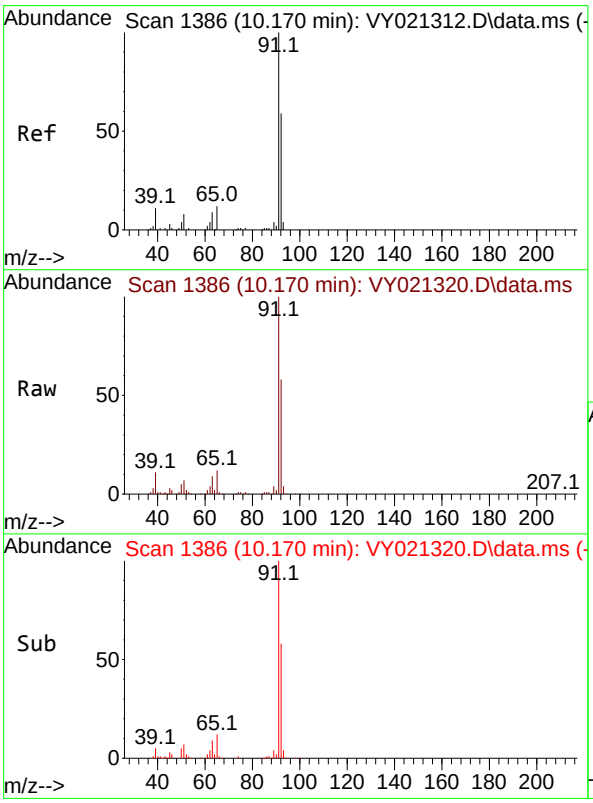
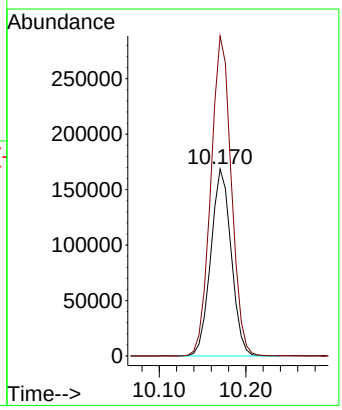
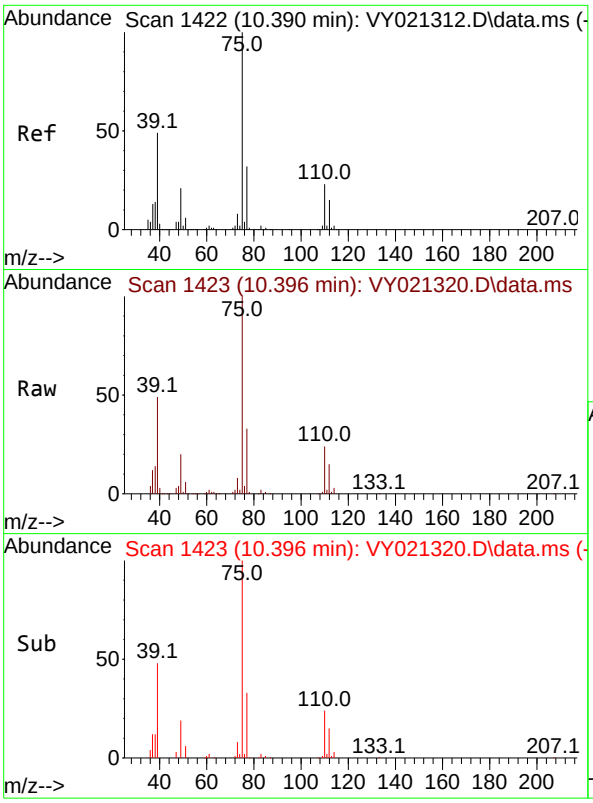


#52
Toluene
Concen: 49.351 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 92 Resp: 275527

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.8	206.8

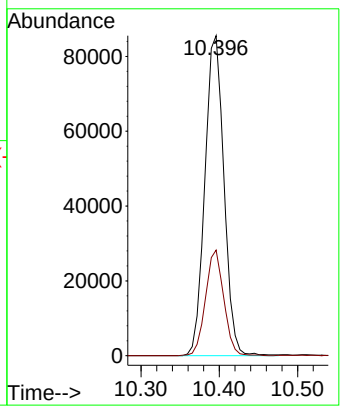




#53
t-1,3-Dichloropropene
Concen: 49.988 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 14436

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9



Instrument :
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ClientSampleId :
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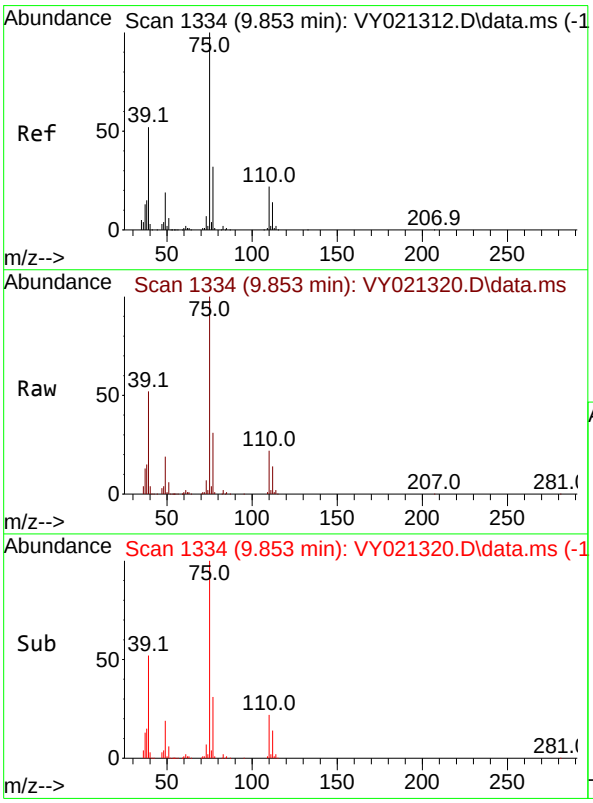
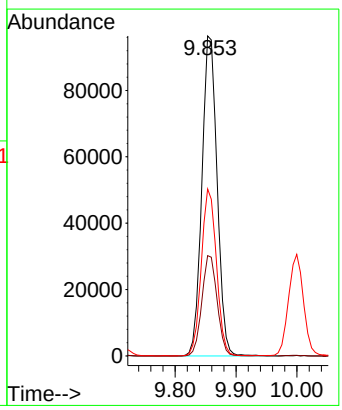
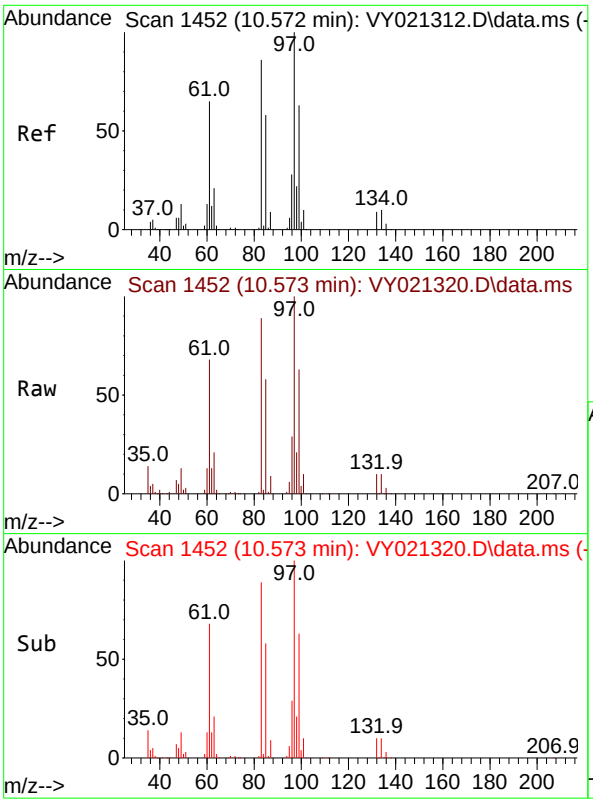


#54
cis-1,3-Dichloropropene
Concen: 49.192 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 167718

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5
39	52.1	41.8	62.6

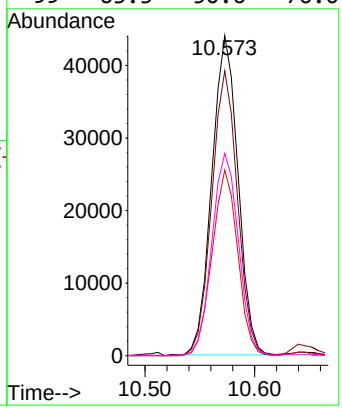




#55
1,1,2-Trichloroethane
Concen: 47.334 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 97 Resp: 7289

Ion	Ratio	Lower	Upper
97	100		
83	89.2	68.7	103.1
85	58.2	46.3	69.5
99	63.3	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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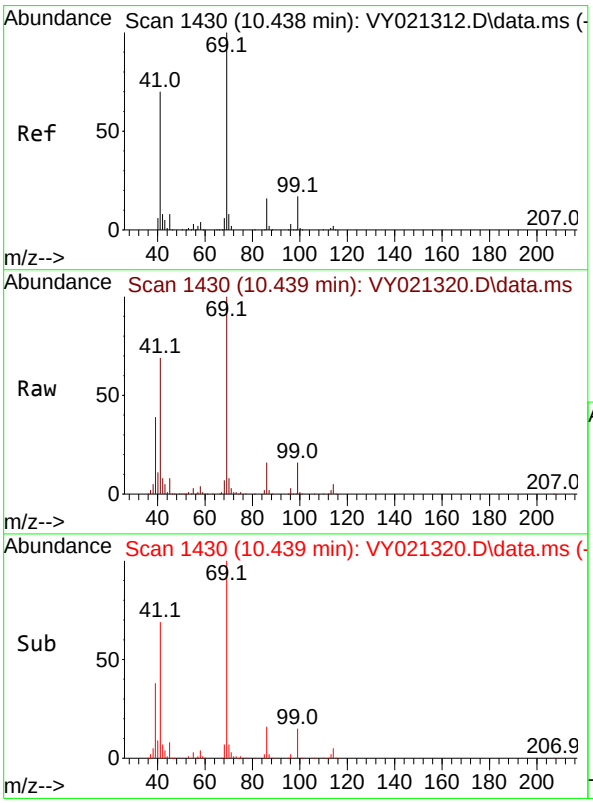
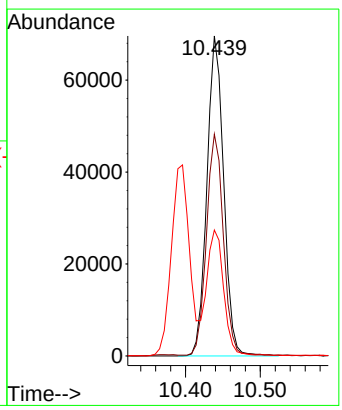
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

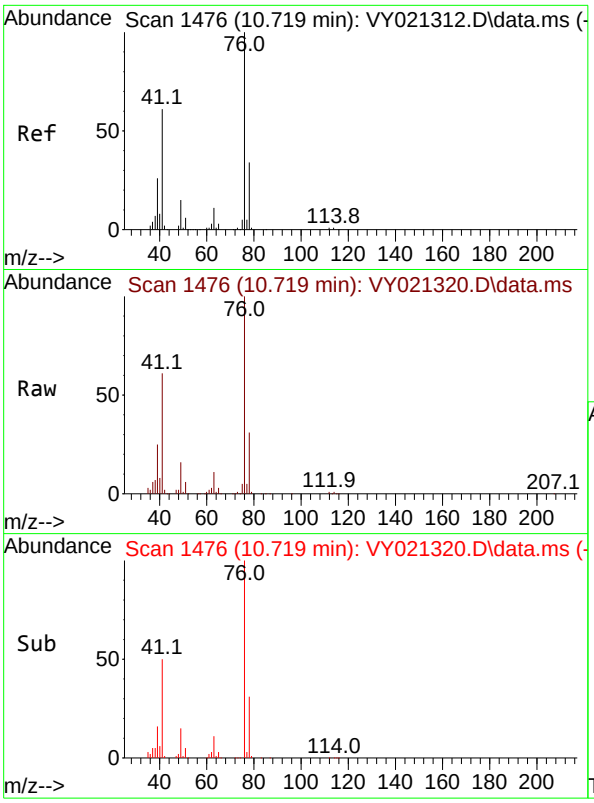


#56
Ethyl methacrylate
Concen: 50.979 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 69 Resp: 108485

Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.2	84.4
39	41.3	32.7	49.1

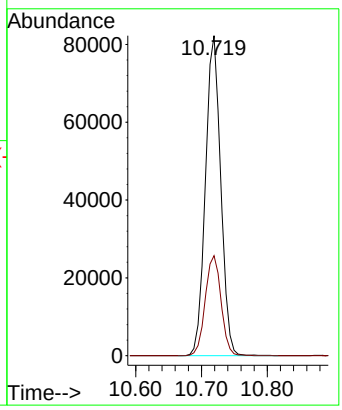




#57
1,3-Dichloropropane
Concen: 49.183 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 76 Resp: 13291

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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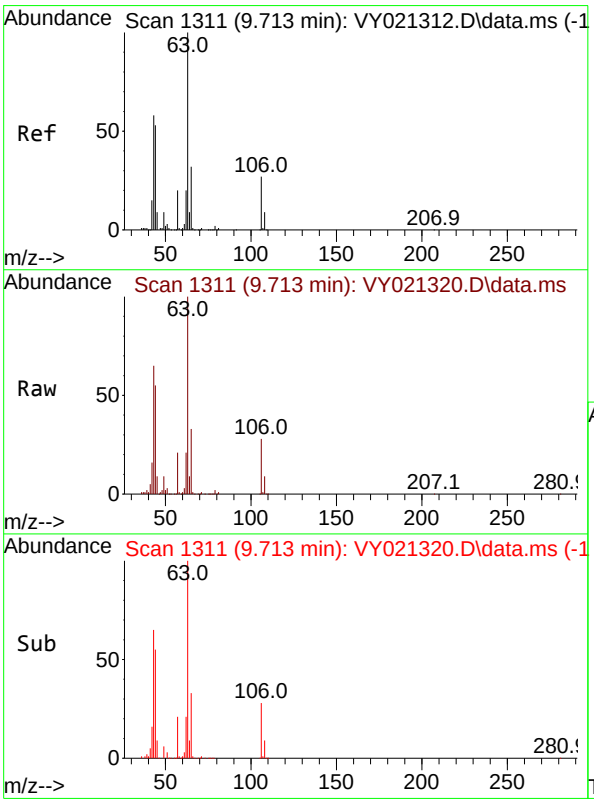
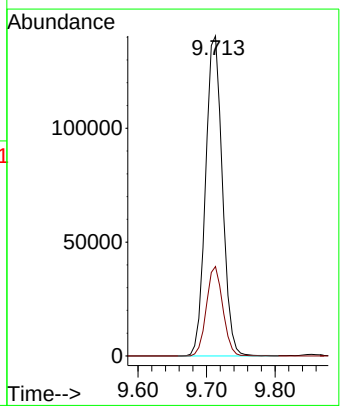
Supervised By :Mahesh Dadoda 02/27/2025

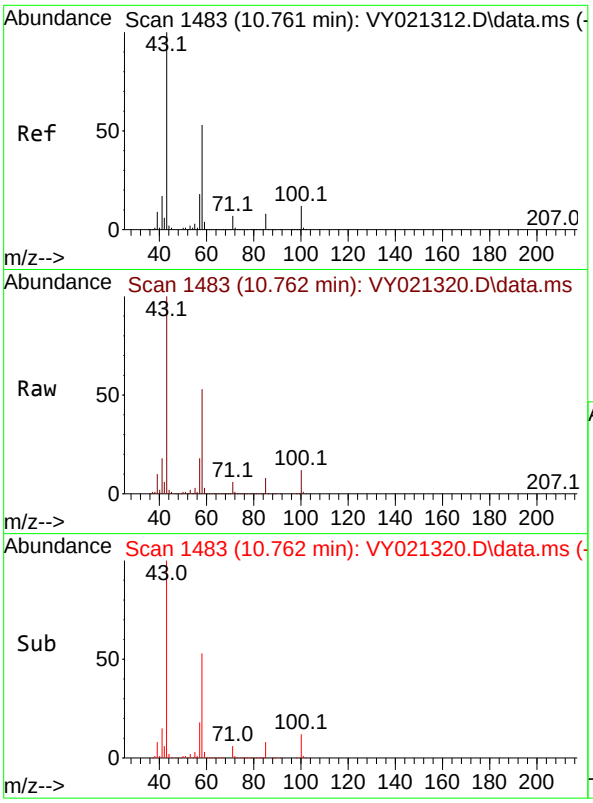


#58
2-Chloroethyl Vinyl ether
Concen: 234.614 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 239640

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.7	32.5

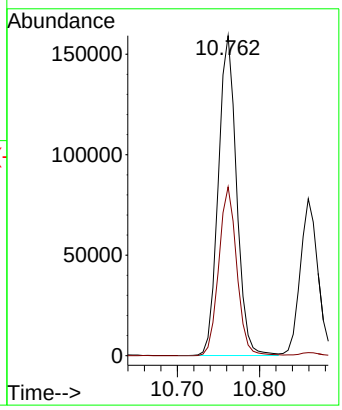




#59
2-Hexanone
Concen: 249.476 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 24550

Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.9	77.6



Instrument :
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ClientSampleId :
VSTDCCC050

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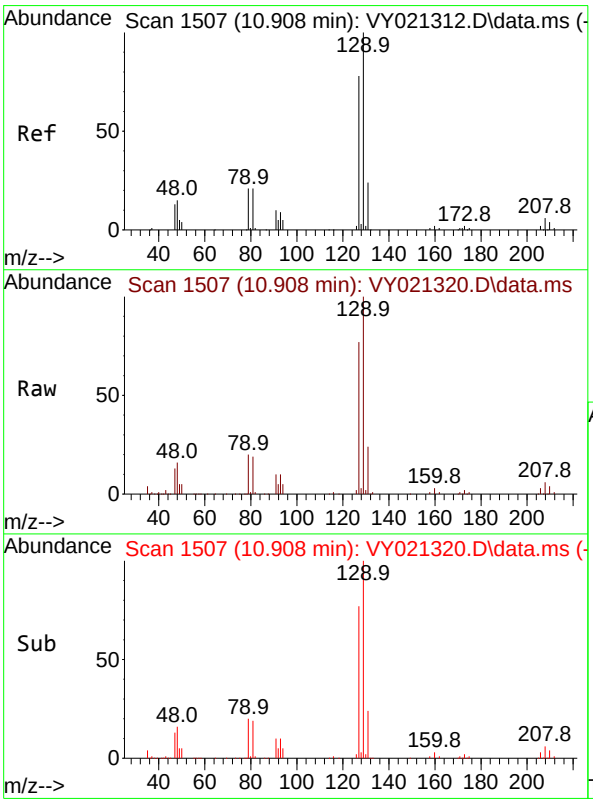
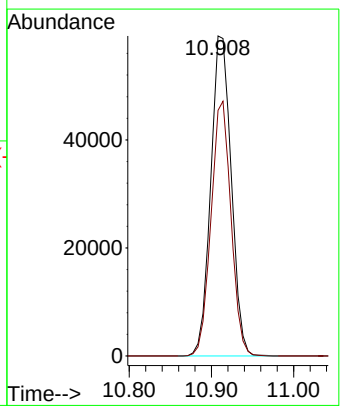
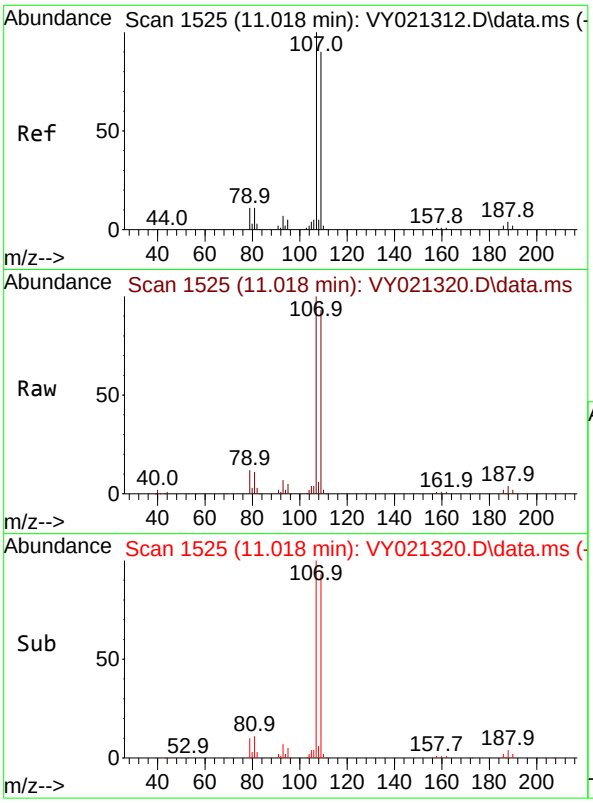


#60
Dibromochloromethane
Concen: 48.867 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:129 Resp: 102499

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.8	116.4

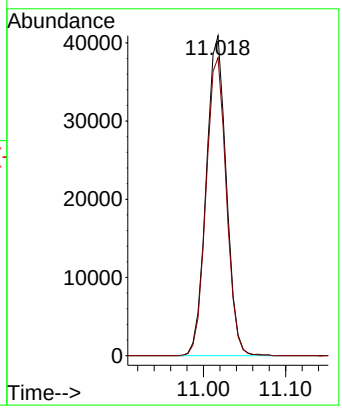




#61
1,2-Dibromoethane
Concen: 47.532 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:107 Resp: 6930

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.8	110.8



Instrument :
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ClientSampleId :
VSTDCCC050

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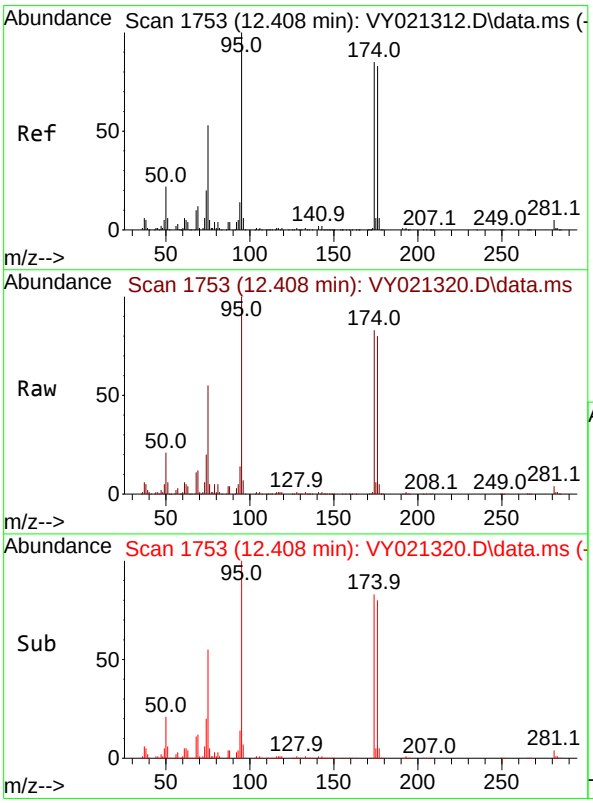
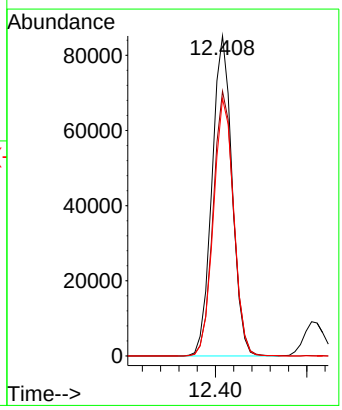
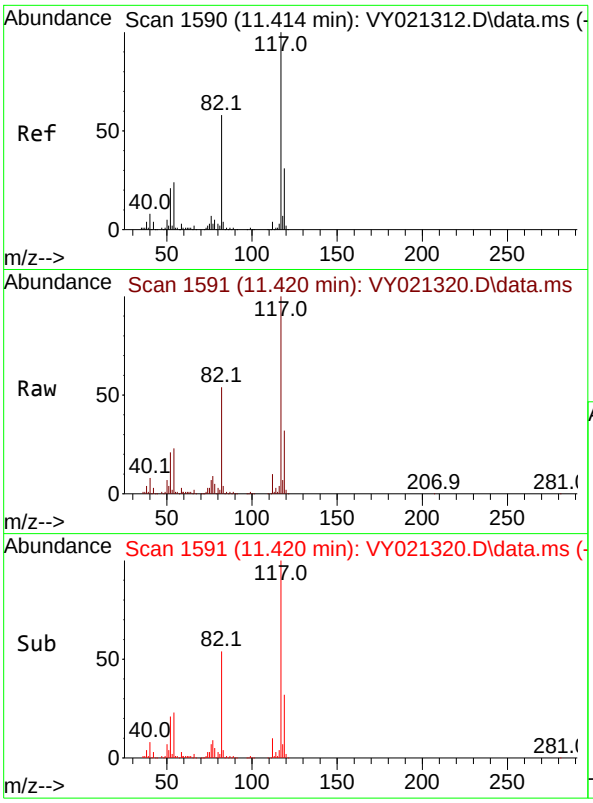


#62
4-Bromofluorobenzene
Concen: 49.290 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 95 Resp: 129754

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	168.0
176	81.2	0.0	162.6

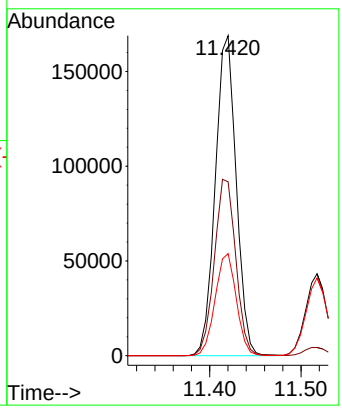




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 26880

Ion	Ratio	Lower	Upper
117	100		
82	54.3	46.2	69.4
119	31.9	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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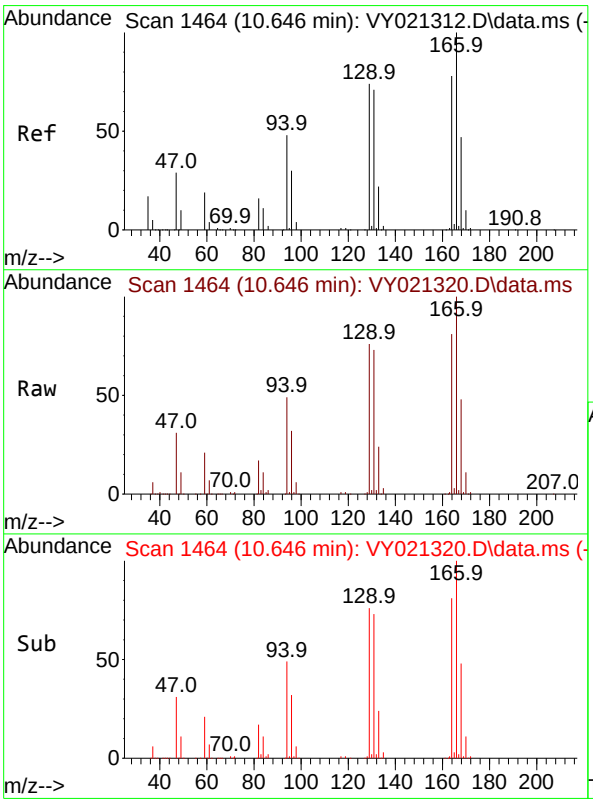
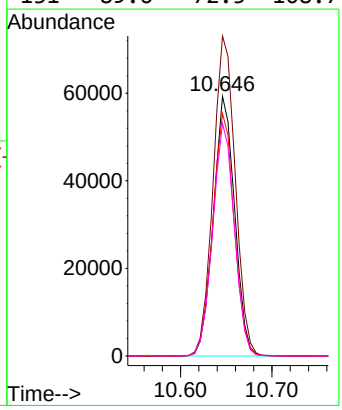
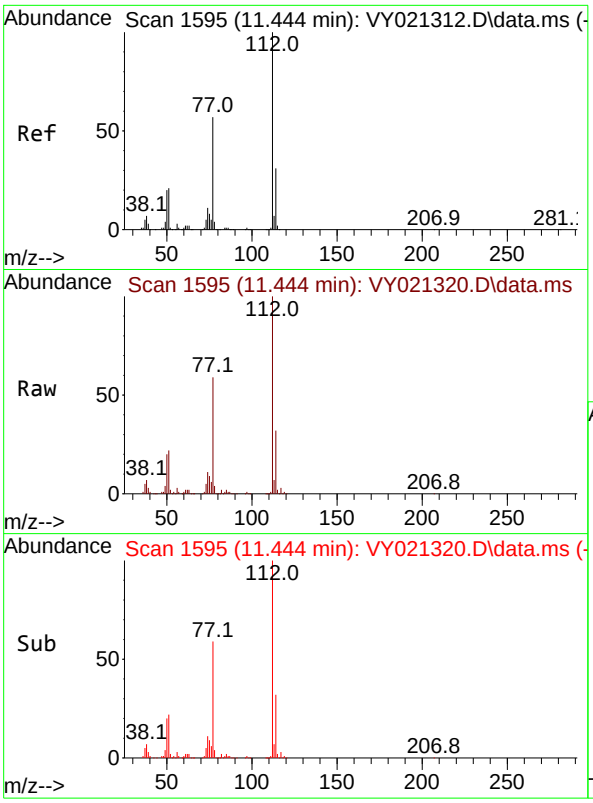


#64
Tetrachloroethene
Concen: 47.455 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:164 Resp: 96416

Ion	Ratio	Lower	Upper
164	100		
166	123.2	101.9	152.9
129	93.3	75.5	113.3
131	89.6	72.5	108.7

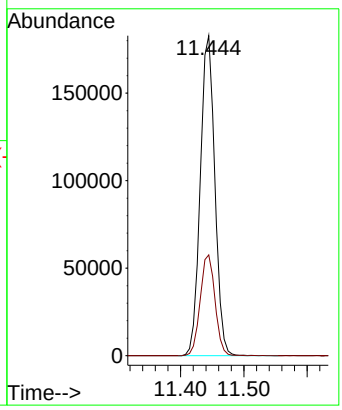




#65
Chlorobenzene
Concen: 48.625 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:112 Resp: 29339

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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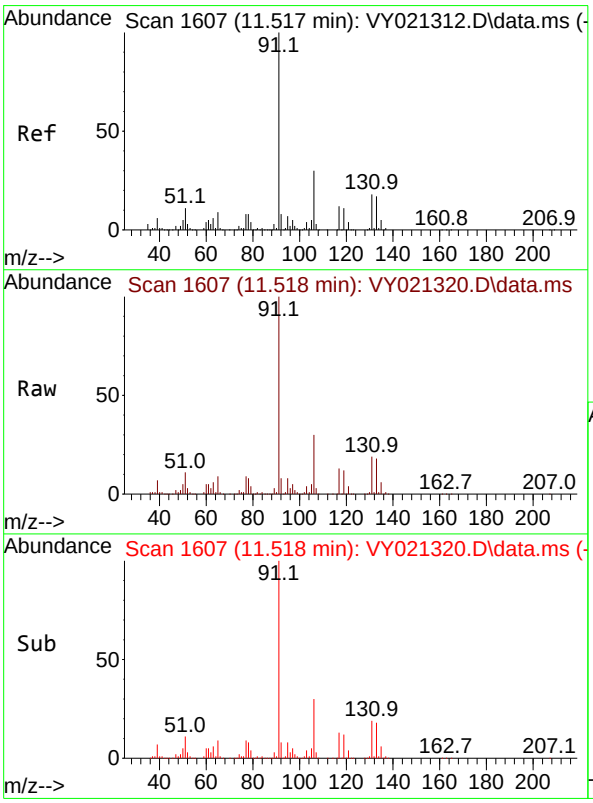
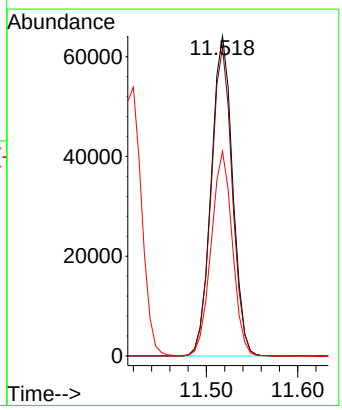
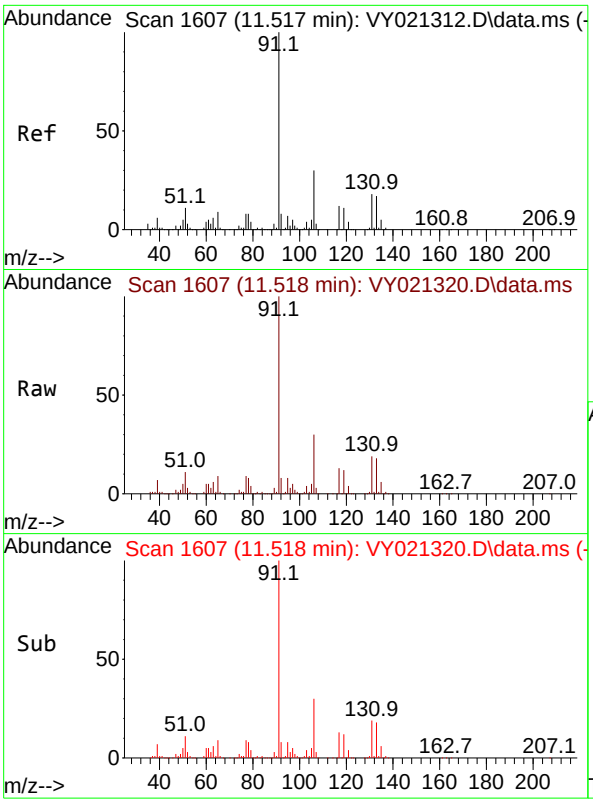


#66
1,1,1,2-Tetrachloroethane
Concen: 49.295 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:131 Resp: 104152

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.9	143.6
119	63.4	31.7	95.1

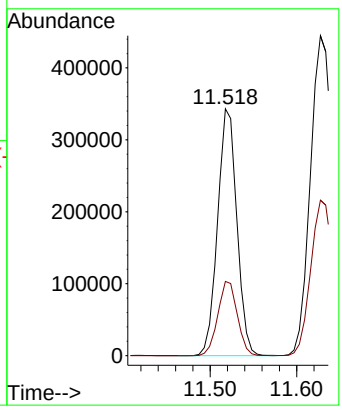




#67
Ethyl Benzene
Concen: 49.609 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 53021

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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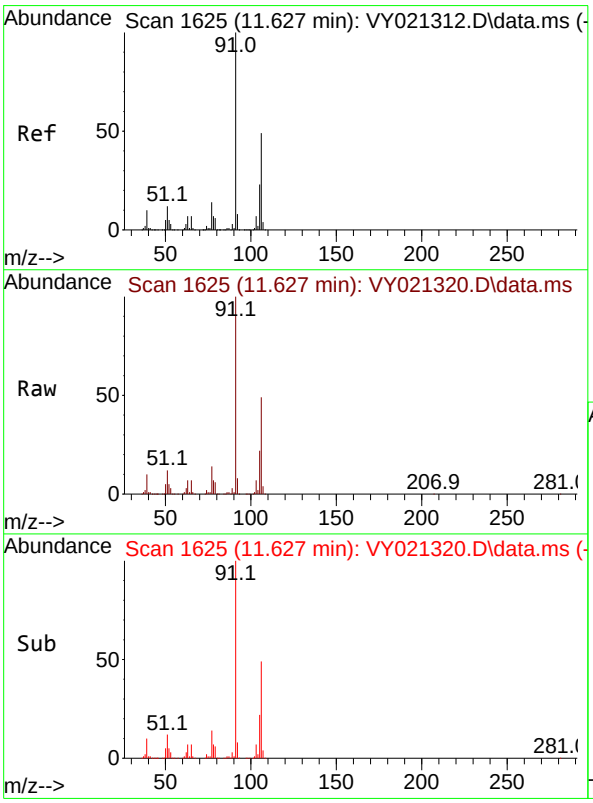
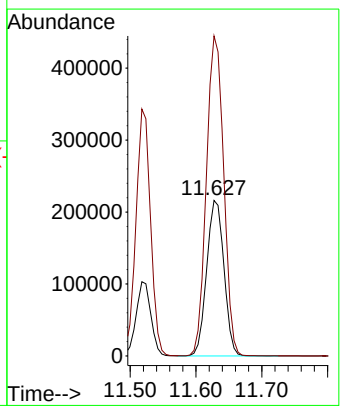
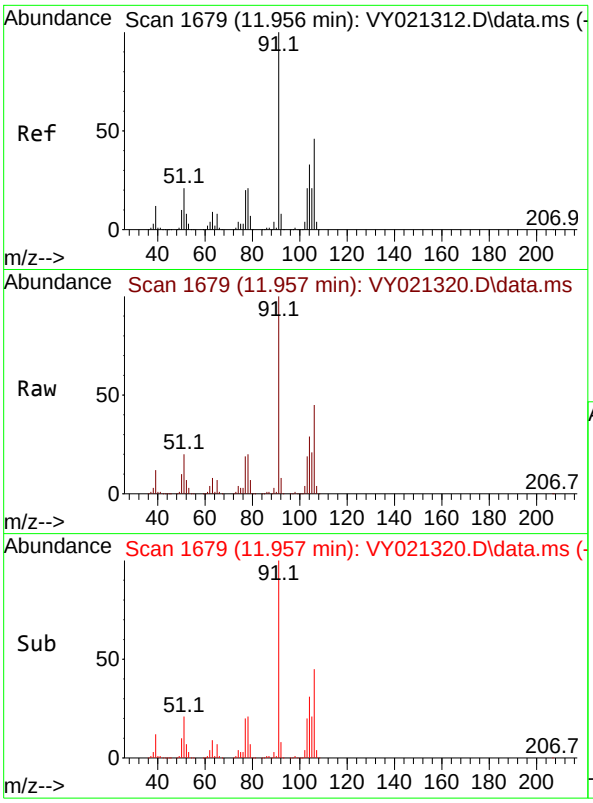


#68
m/p-Xylenes
Concen: 98.298 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:106 Resp: 395166

Ion	Ratio	Lower	Upper
106	100		
91	206.2	163.9	245.9

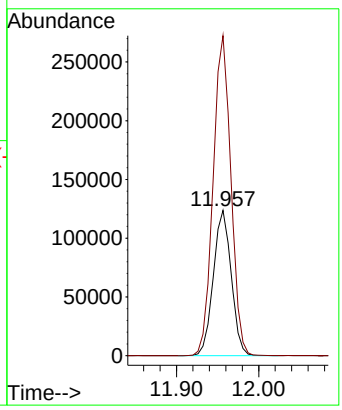




#69
o-Xylene
Concen: 49.676 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:106 Resp: 18708

Ion	Ratio	Lower	Upper
106	100		
91	219.4	108.1	324.2



Instrument :
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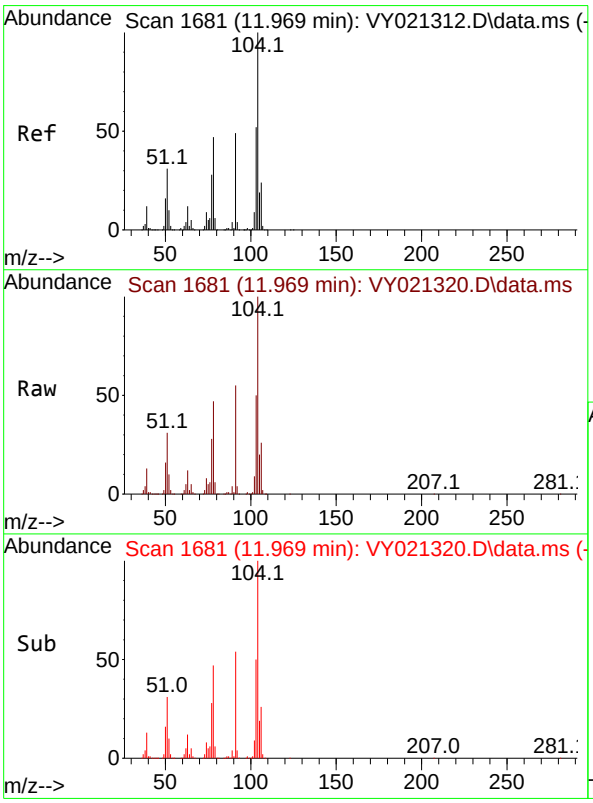
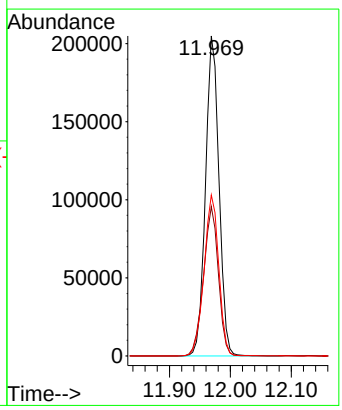
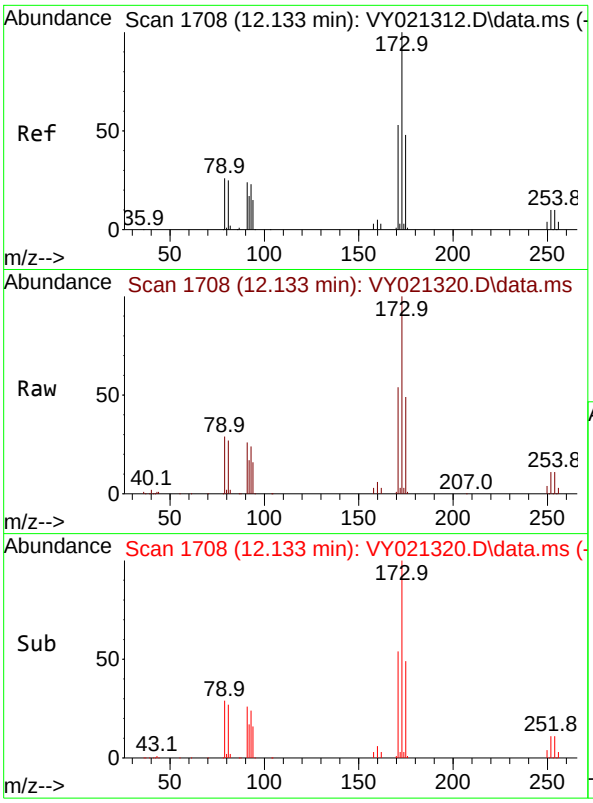


#70
Styrene
Concen: 50.431 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:104 Resp: 316002

Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.3	61.9
103	54.9	43.9	65.9

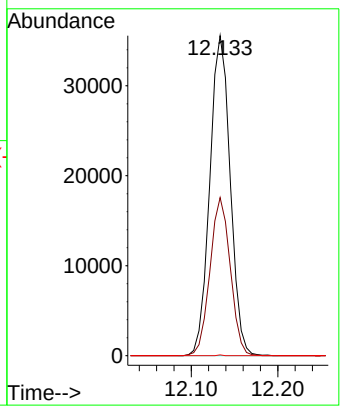




#71
Bromoform
Concen: 48.247 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:173 Resp: 5831

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
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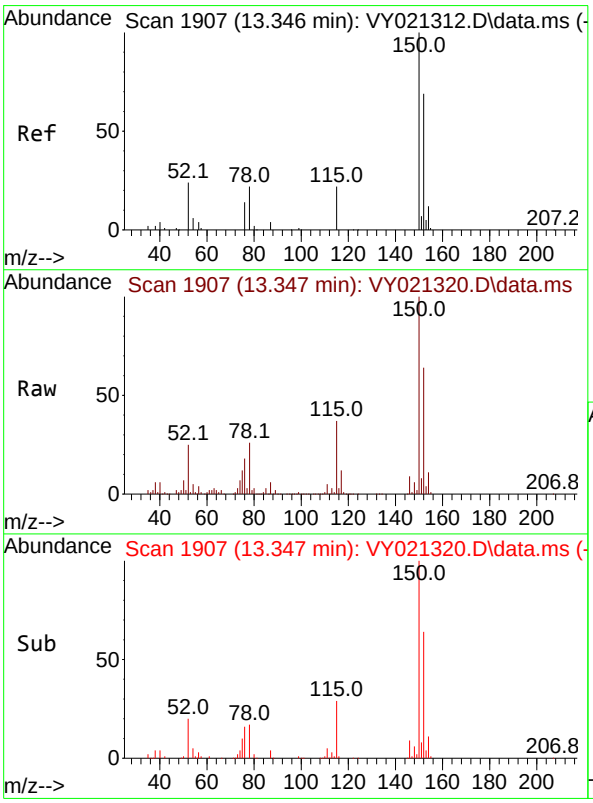
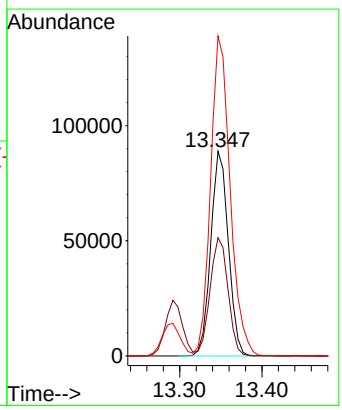
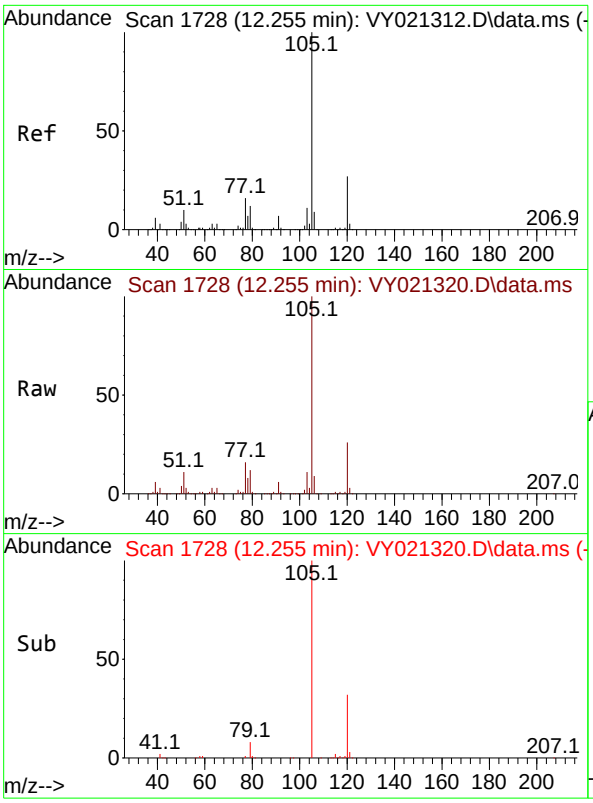


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:152 Resp: 131935

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	173.7	0.0	347.4

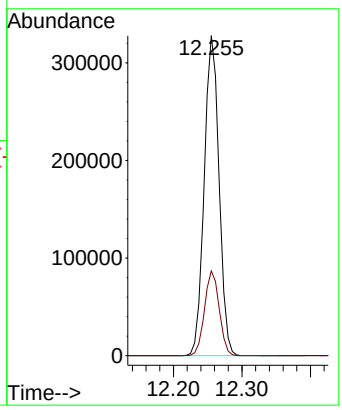




#73
Isopropylbenzene
Concen: 49.774 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 49369

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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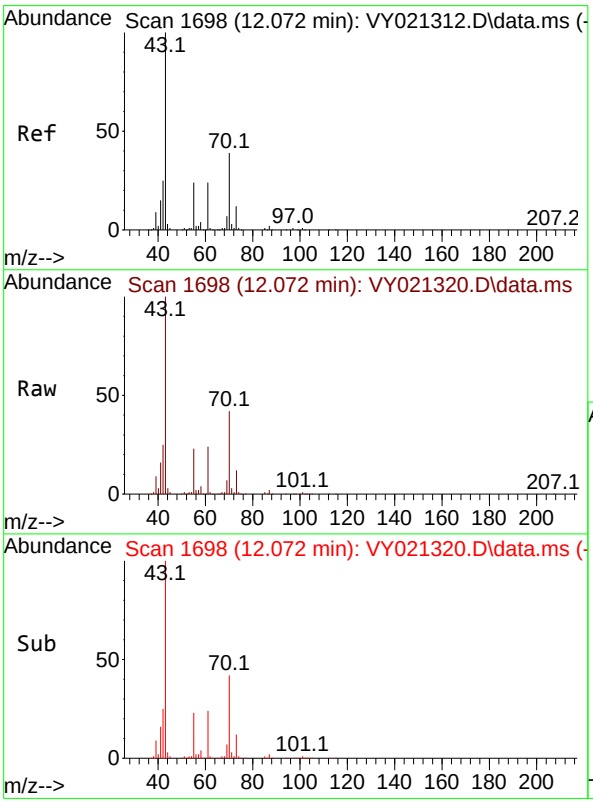
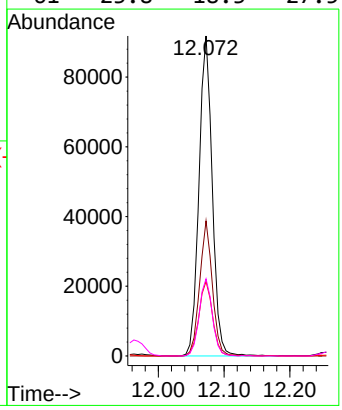
Supervised By :Mahesh Dadoda 02/27/2025

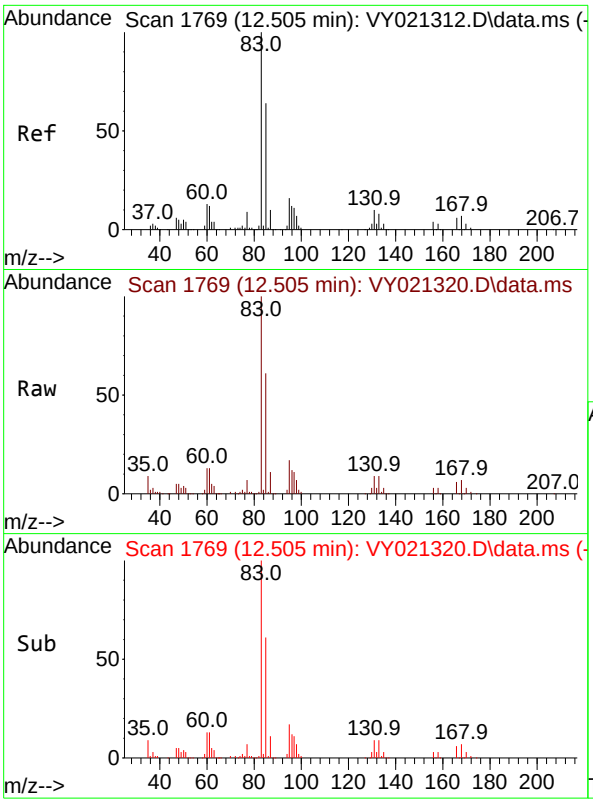


#74
N-amyl acetate
Concen: 51.162 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 128988

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.2	48.2
55	24.1	19.6	29.4
61	23.8	18.3	27.5

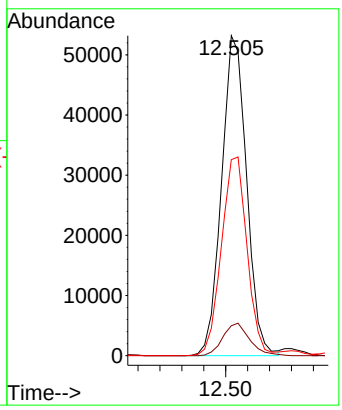




#75
1,1,2,2-Tetrachloroethane
Concen: 48.150 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 8428

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	63.7	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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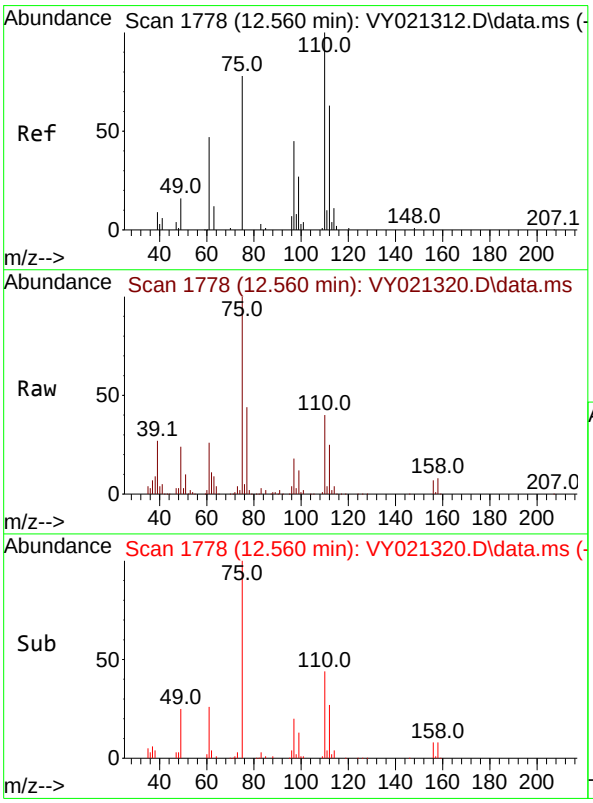
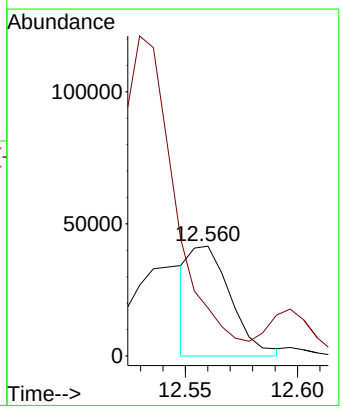
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

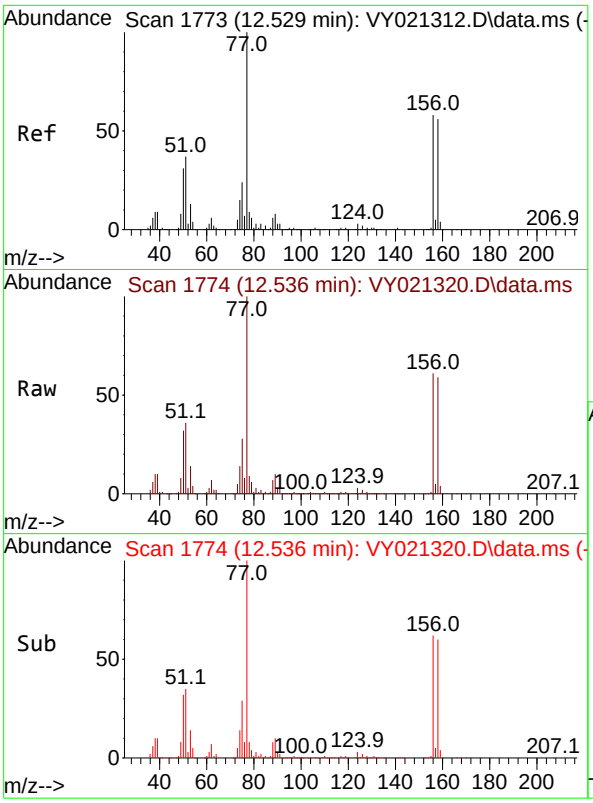


#76
1,2,3-Trichloropropane
Concen: 40.055 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 52897

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

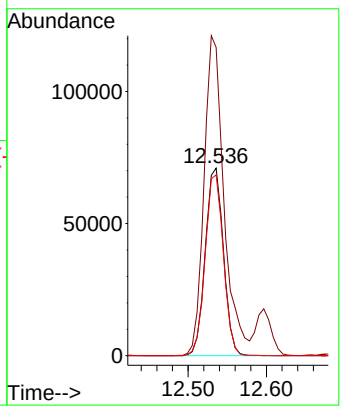




#77
Bromobenzene
Concen: 49.529 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:156 Resp: 11426

Ion	Ratio	Lower	Upper
156	100		
77	187.3	94.0	282.1
158	96.8	48.7	146.1



Instrument :
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ClientSampleId :
VSTDCCC050

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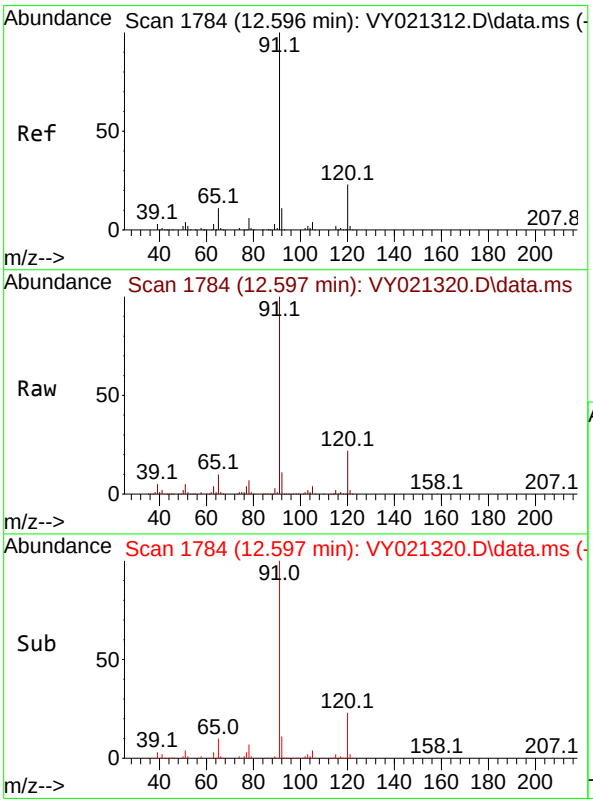
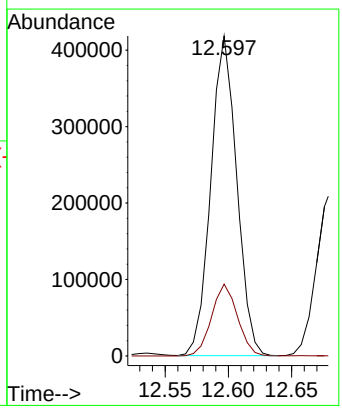
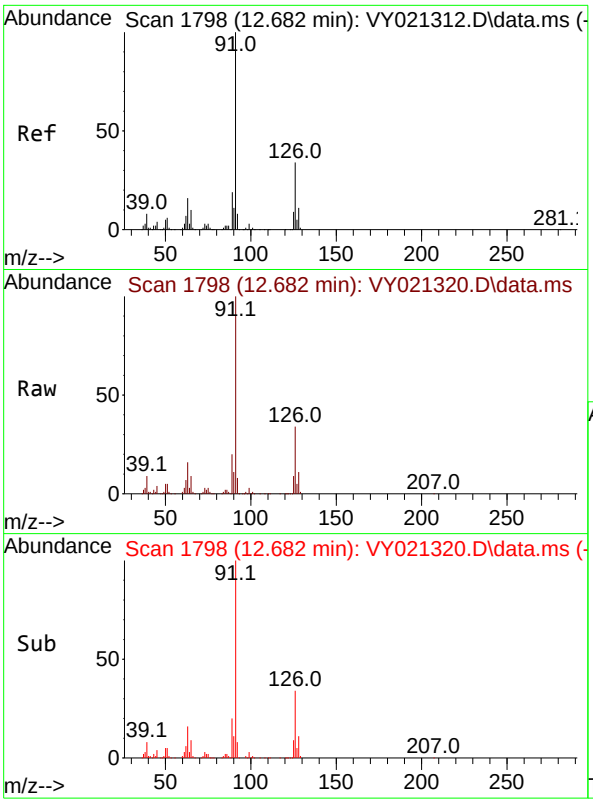


#78
n-propylbenzene
Concen: 49.510 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 595911

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5

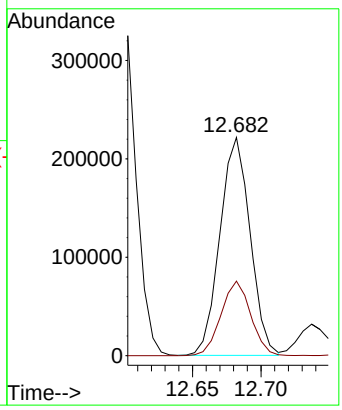




#79
2-Chlorotoluene
Concen: 49.181 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 33972

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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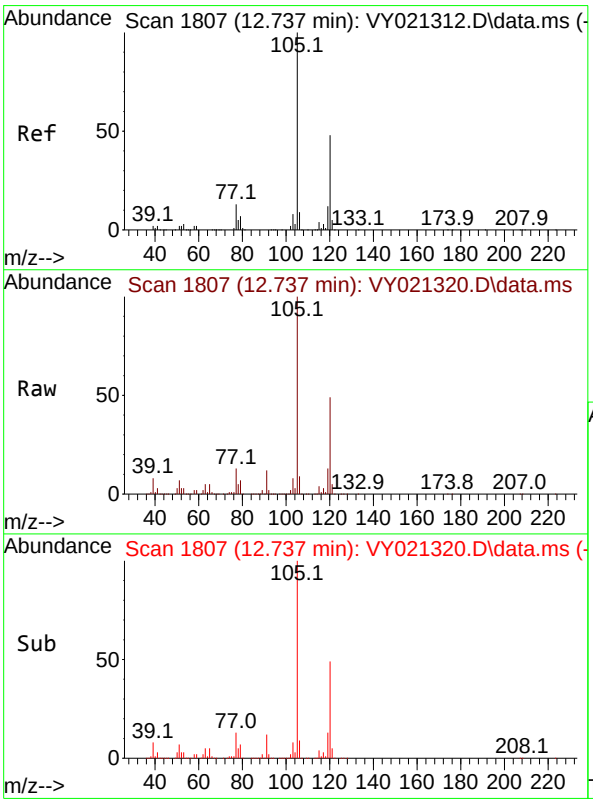
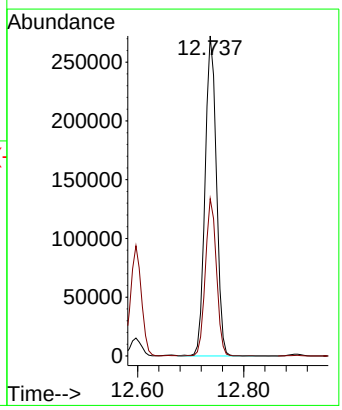
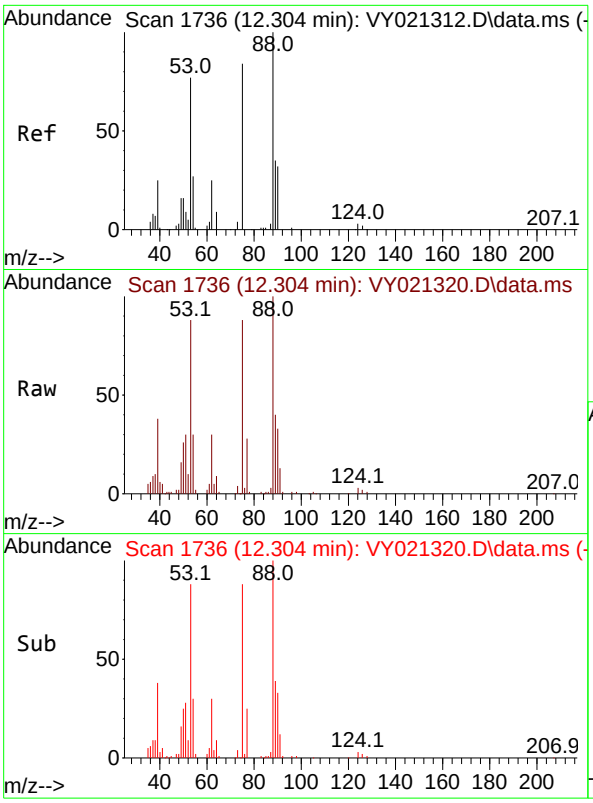


#80
1,3,5-Trimethylbenzene
Concen: 49.604 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 403527

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 49.724 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 2954

Ion	Ratio	Lower	Upper
75	100		
53	100.2	79.1	118.7
89	44.9	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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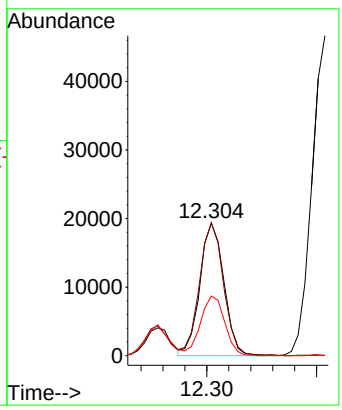
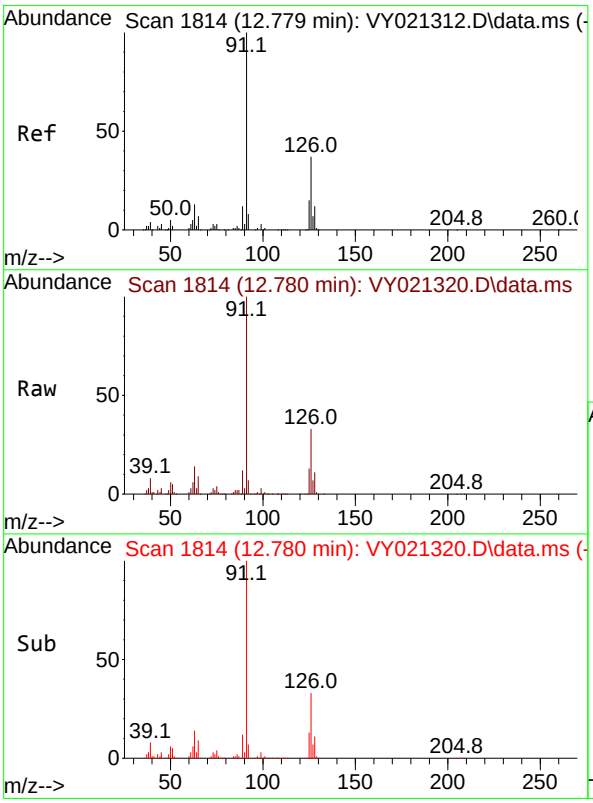
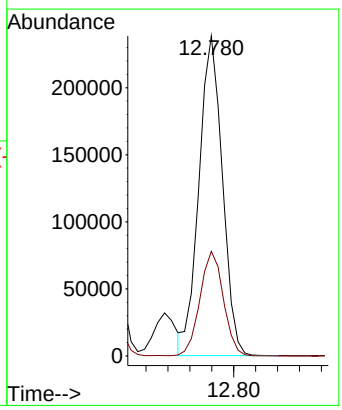


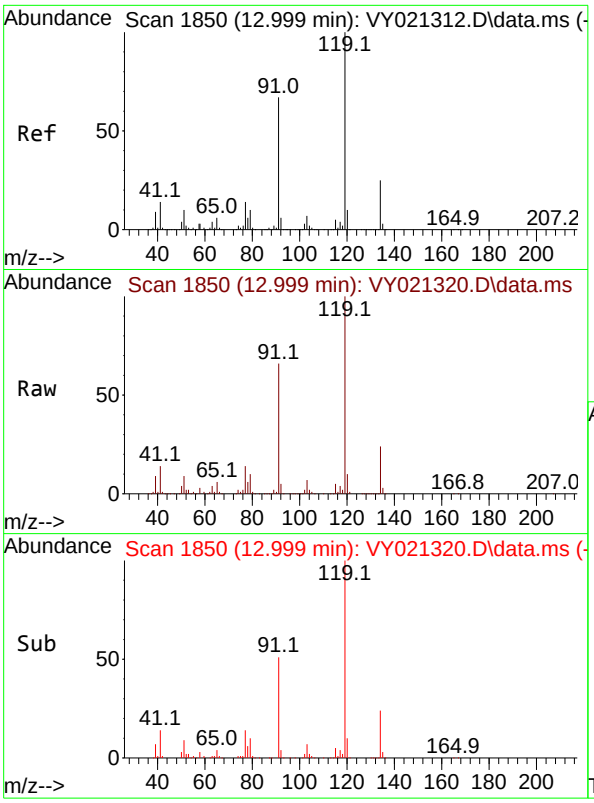


#82
4-Chlorotoluene
Concen: 49.408 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 353786

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.8	50.4

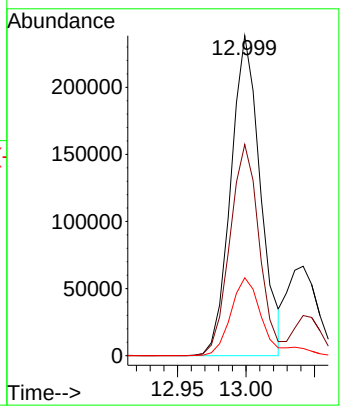




#83
tert-Butylbenzene
Concen: 48.765 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:119 Resp: 35834

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.7	98.1
134	26.5	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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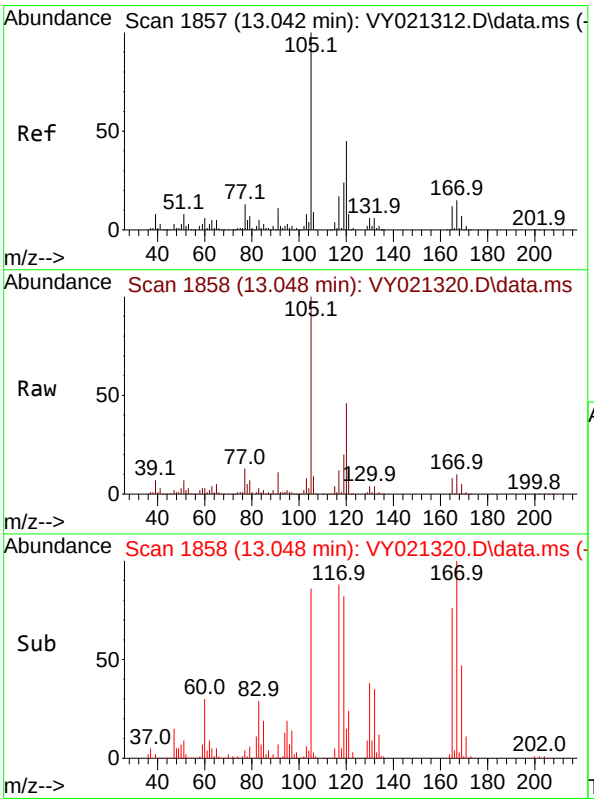
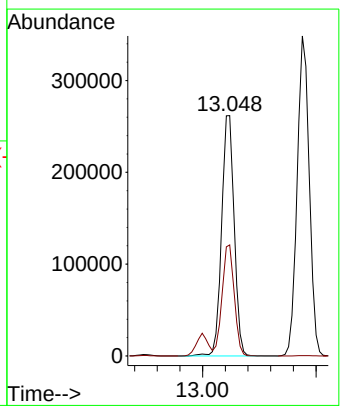
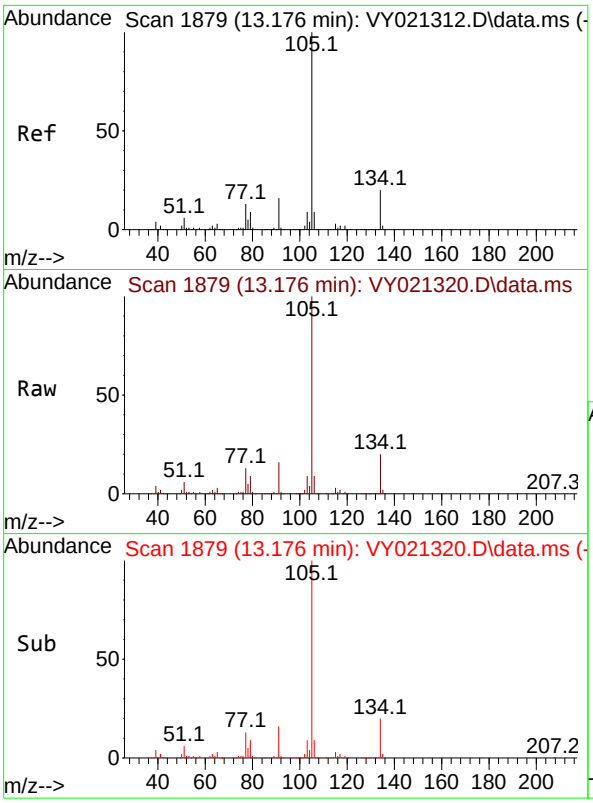


#84
1,2,4-Trimethylbenzene
Concen: 49.846 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 403288

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3

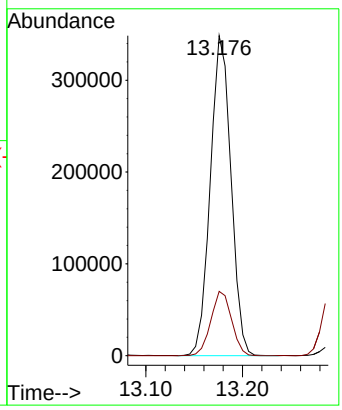




#85
sec-Butylbenzene
Concen: 48.069 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 51597

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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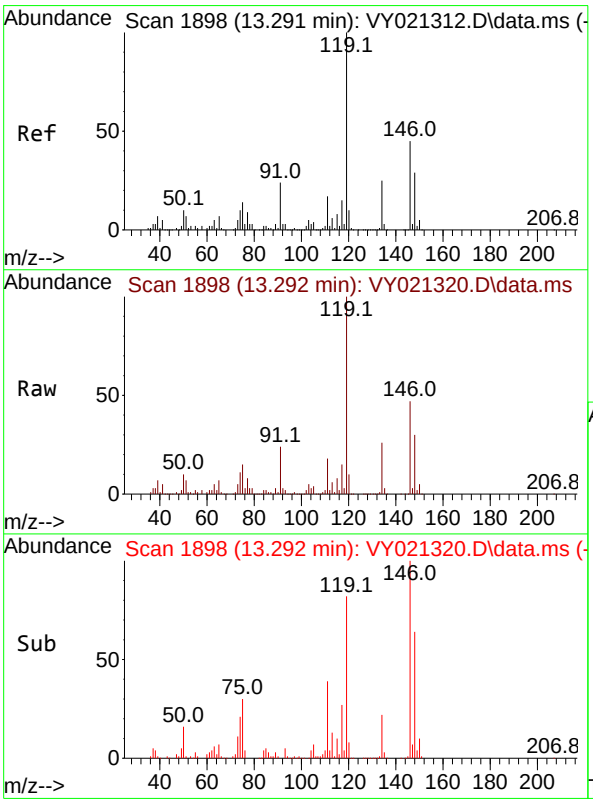
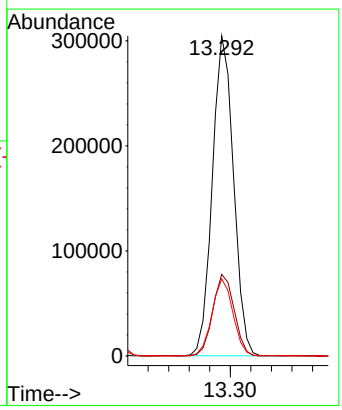
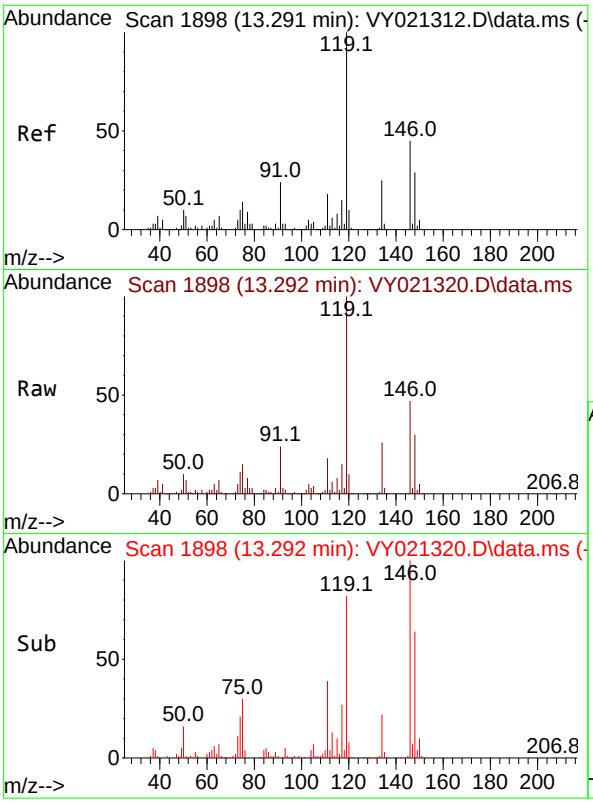


#86
p-Isopropyltoluene
Concen: 48.594 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:119 Resp: 435539

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	23.8	12.0	36.1

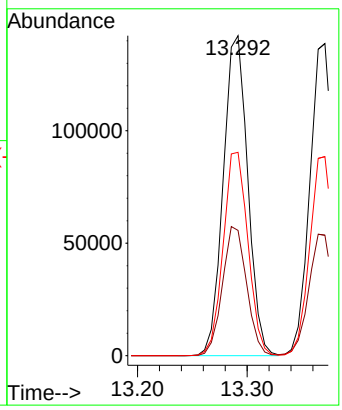




#87
1,3-Dichlorobenzene
Concen: 48.450 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:146 Resp: 22111

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.2	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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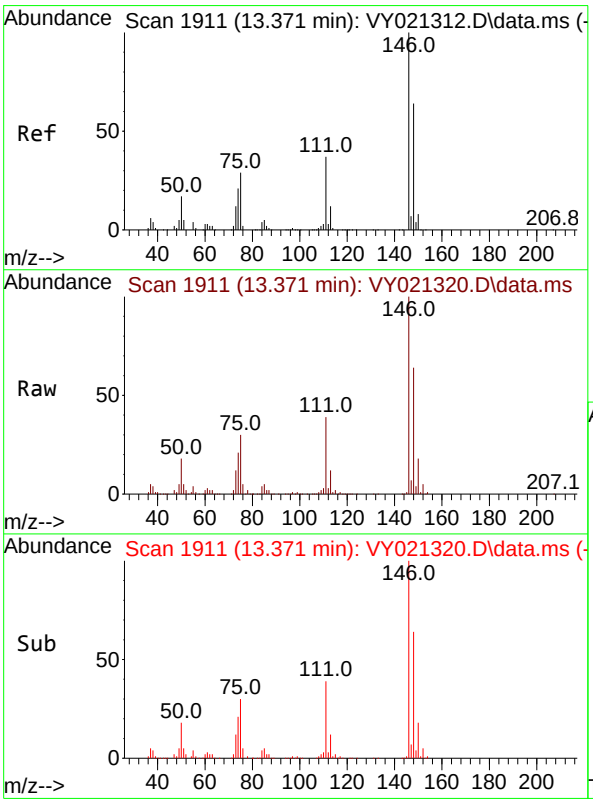
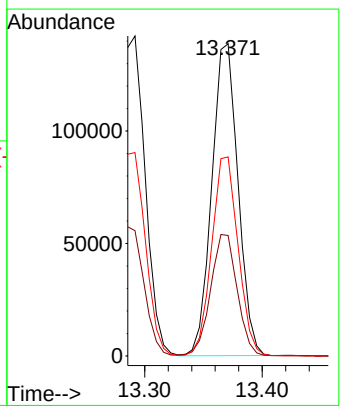
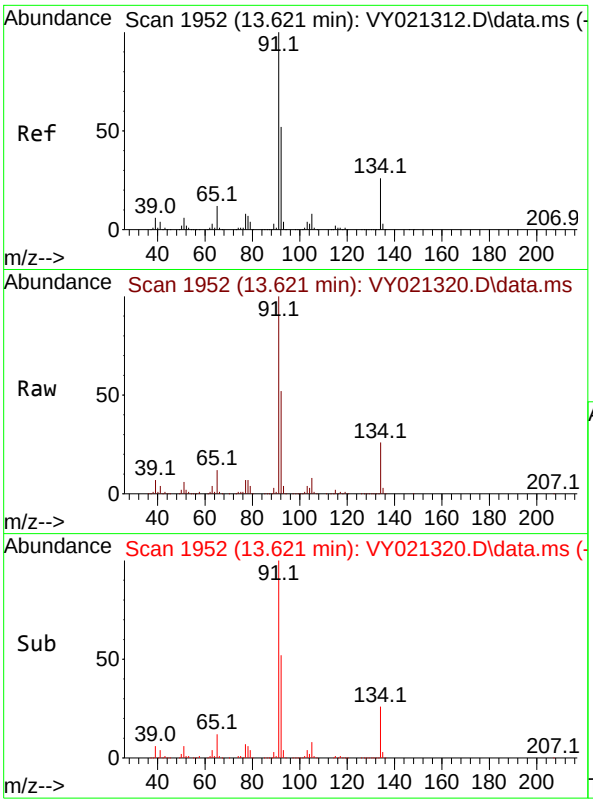


#88
1,4-Dichlorobenzene
Concen: 47.797 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:146 Resp: 215487

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.5	58.5
148	64.5	32.0	96.2

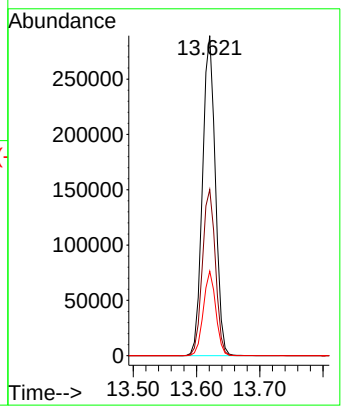




#89
n-Butylbenzene
Concen: 48.491 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 40899

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	25.6	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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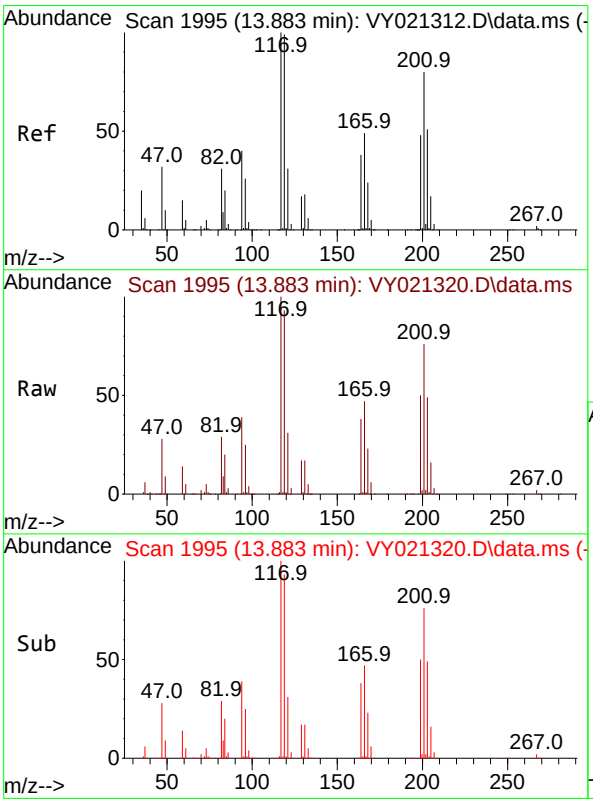
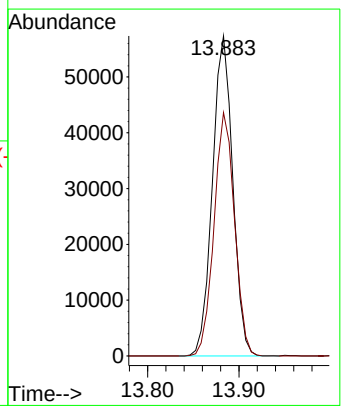
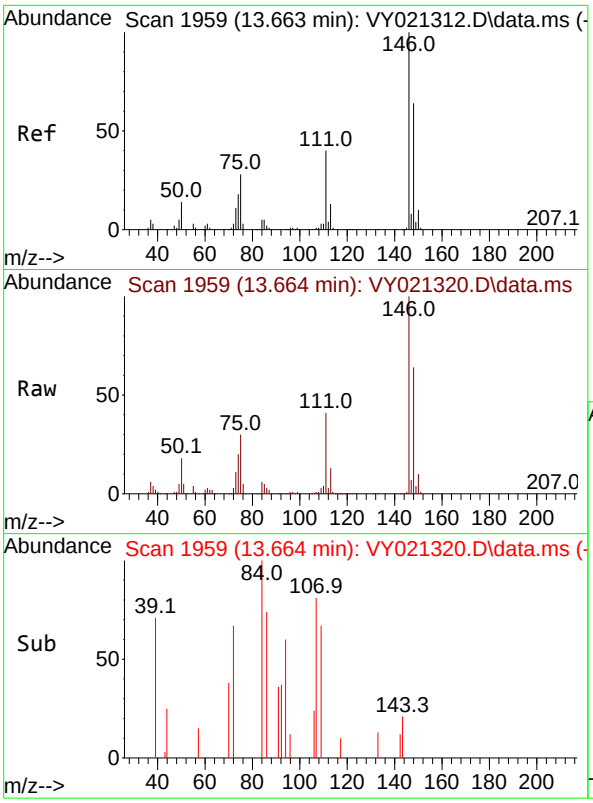


#90
Hexachloroethane
Concen: 47.306 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 88564

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2

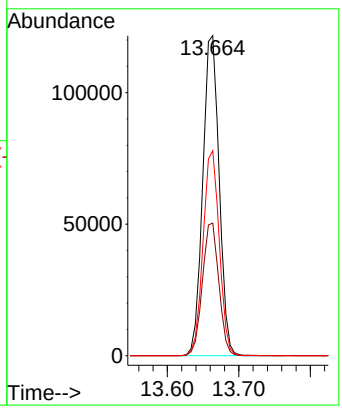




#91
1,2-Dichlorobenzene
Concen: 48.457 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:146 Resp: 19375

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.7	62.1
148	63.4	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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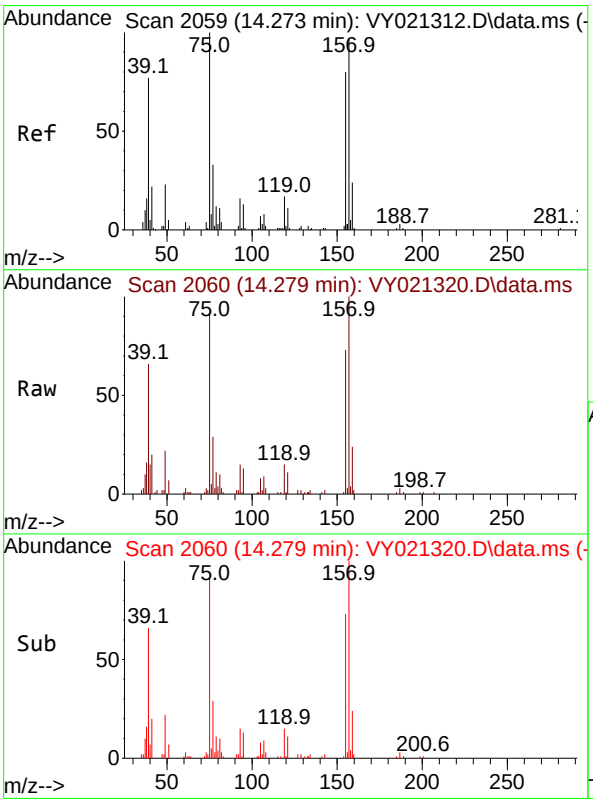
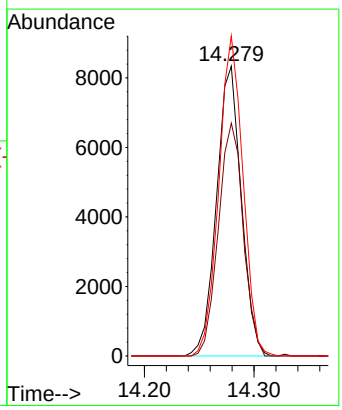
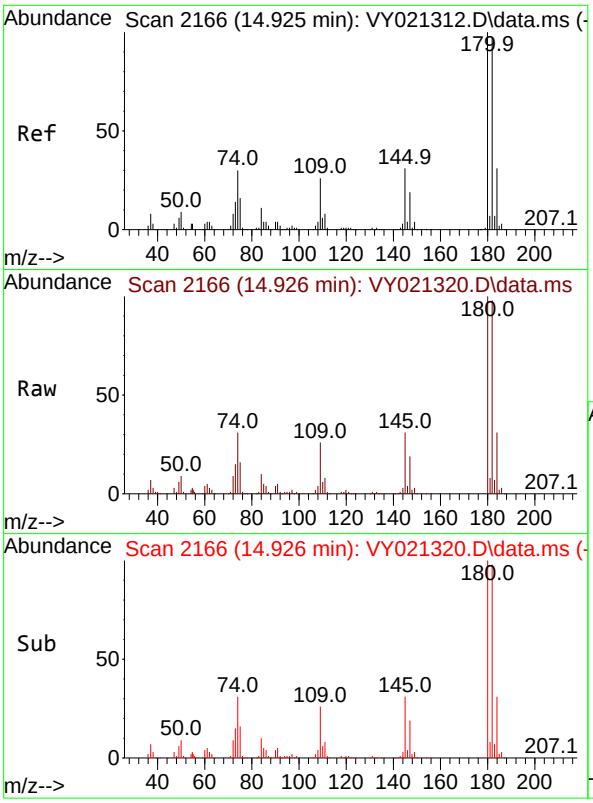


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.306 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 13100

Ion	Ratio	Lower	Upper
75	100		
155	80.5	41.9	125.6
157	107.7	52.5	157.6

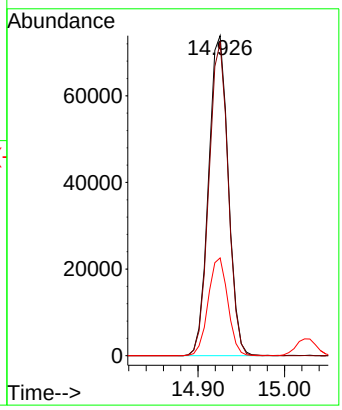




#93
1,2,4-Trichlorobenzene
Concen: 47.769 ug/l
RT: 14.926 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:180 Resp: 11657

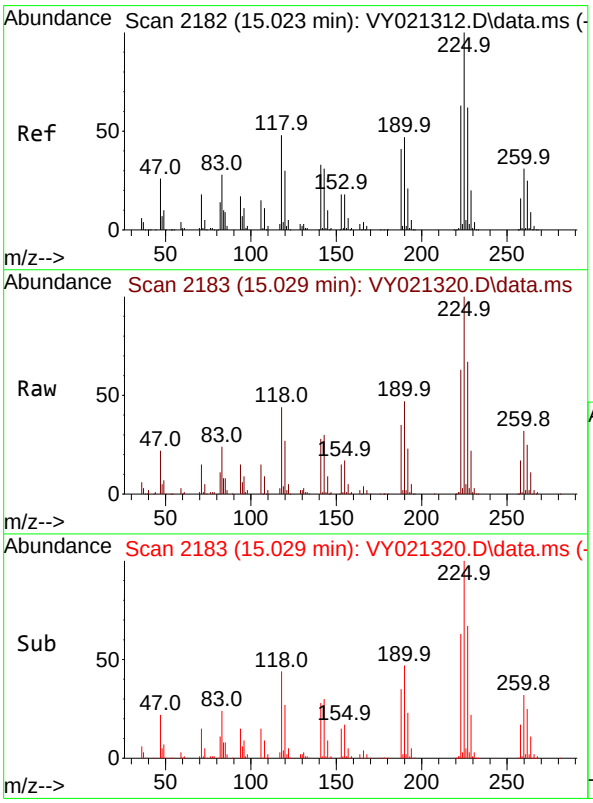
Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.7
145	30.4	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

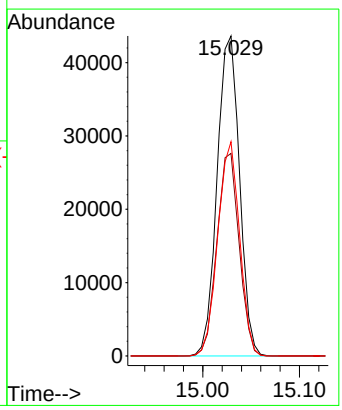
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

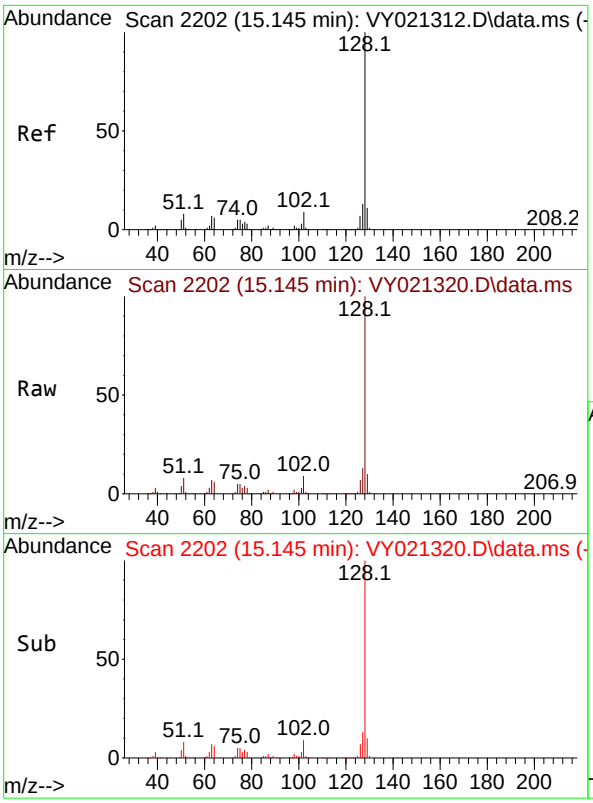


#94
Hexachlorobutadiene
Concen: 45.603 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:225 Resp: 70063

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.8	95.4
227	65.3	31.9	95.7

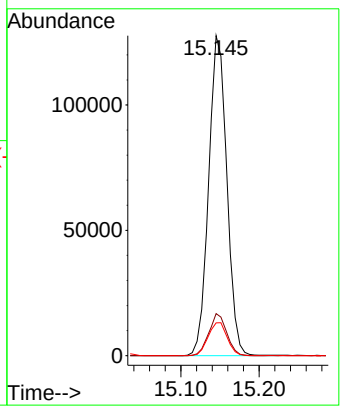




#95
Naphthalene
Concen: 50.937 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:128 Resp: 20589

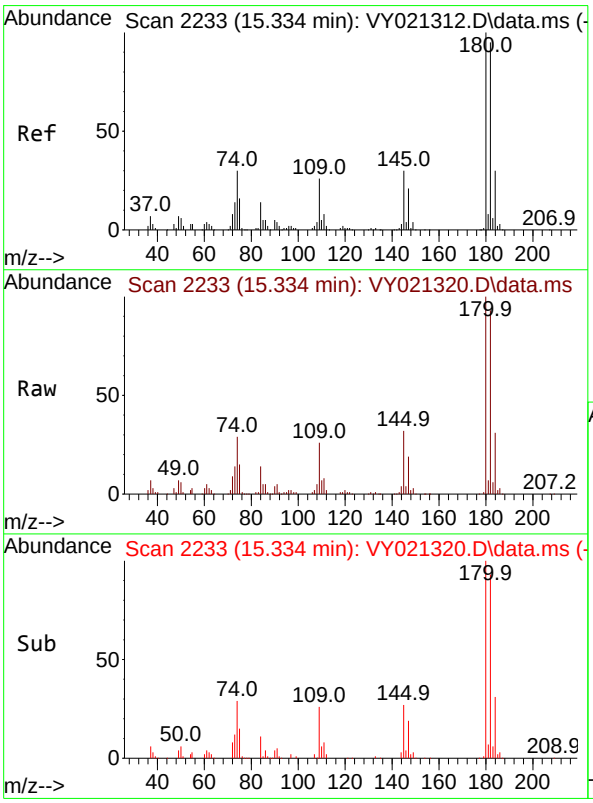
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

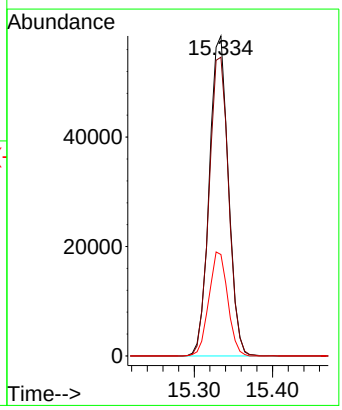
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.779 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:180 Resp: 98515

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	32.2	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	111	0.00
2	T	Dichlorodifluoromethane	0.474	0.442	6.8	99	0.00
3	P	Chloromethane	0.612	0.581	5.1	107	0.00
4	C	Vinyl Chloride	0.601	0.586	2.5#	103	0.00
5	T	Bromomethane	0.399	0.370	7.3	106	0.00
6	T	Chloroethane	0.373	0.363	2.7	103	0.00
7	T	Trichlorofluoromethane	0.908	0.866	4.6	102	0.00
8	T	Diethyl Ether	0.272	0.270	0.7	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.525	0.496	5.5	102	0.00
10	T	Methyl Iodide	0.553	0.577	-4.3	100	0.00
11	T	Tert butyl alcohol	0.044	0.035	20.5	97	0.00
12	CM	1,1-Dichloroethene	0.503	0.487	3.2#	104	0.00
13	T	Acrolein	0.033	0.006	81.8#	94	0.00
14	T	Allyl chloride	0.892	0.896	-0.4	107	0.00
15	T	Acrylonitrile	0.120	0.117	2.5	101	0.00
16	T	Acetone	0.109	0.113	-3.7	98	0.00
17	T	Carbon Disulfide	1.671	1.628	2.6	104	0.00
18	T	Methyl Acetate	0.266	0.257	3.4	103	0.00
19	T	Methyl tert-butyl Ether	1.329	1.308	1.6	103	0.00
20	T	Methylene Chloride	0.588	0.533	9.4	101	0.00
21	T	trans-1,2-Dichloroethene	0.554	0.540	2.5	104	0.00
22	T	Diisopropyl ether	1.846	1.862	-0.9	105	0.00
23	T	Vinyl Acetate	1.103	1.099	0.4	102	0.00
24	P	1,1-Dichloroethane	1.040	1.021	1.8	104	0.00
25	T	2-Butanone	0.164	0.162	1.2	98	0.00
26	T	2,2-Dichloropropane	0.944	0.929	1.6	106	0.00
27	T	cis-1,2-Dichloroethene	0.632	0.633	-0.2	105	0.00
28	T	Bromochloromethane	0.460	0.435	5.4	106	0.00
29	T	Tetrahydrofuran	0.107	0.102	4.7	99	0.00
30	C	Chloroform	1.054	1.038	1.5#	105	0.00
31	T	Cyclohexane	1.000	0.922	7.8	103	0.00
32	T	1,1,1-Trichloroethane	0.960	0.936	2.5	105	0.00
33	S	1,2-Dichloroethane-d4	0.567	0.544	4.1	109	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	113	0.00
35	S	Dibromofluoromethane	0.328	0.320	2.4	111	0.00
36	T	1,1-Dichloropropene	0.492	0.475	3.5	104	0.00
37	T	Ethyl Acetate	0.245	0.236	3.7	104	0.00
38	T	Carbon Tetrachloride	0.554	0.536	3.2	104	0.00
39	T	Methylcyclohexane	0.623	0.578	7.2	99	0.00
40	TM	Benzene	1.456	1.415	2.8	105	0.00
41	T	Methacrylonitrile	0.137	0.117	14.6	90	0.00
42	TM	1,2-Dichloroethane	0.413	0.396	4.1	104	0.00
43	T	Isopropyl Acetate	0.474	0.455	4.0	100	0.00
44	TM	Trichloroethene	0.364	0.355	2.5	105	0.00
45	C	1,2-Dichloropropane	0.350	0.341	2.6#	104	0.00
46	T	Dibromomethane	0.191	0.185	3.1	103	0.00
47	T	Bromodichloromethane	0.511	0.494	3.3	103	0.00
48	T	Methyl methacrylate	0.222	0.215	3.2	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	102	0.00
50	S	Toluene-d8	1.267	1.257	0.8	114	0.00
51	T	4-Methyl-2-Pentanone	0.243	0.234	3.7	99	0.00
52	CM	Toluene	0.904	0.892	1.3#	105	0.00
53	T	t-1,3-Dichloropropene	0.468	0.468	0.0	103	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.543	1.6	104	0.00
55	T	1,1,2-Trichloroethane	0.249	0.236	5.2	100	0.00
56	T	Ethyl methacrylate	0.345	0.351	-1.7	101	0.00
57	T	1,3-Dichloropropane	0.438	0.431	1.6	104	0.00
58	T	2-Chloroethyl Vinyl ether	0.165	0.155	6.1	92	0.00
59	T	2-Hexanone	0.159	0.159	0.0	98	0.00
60	T	Dibromochloromethane	0.340	0.332	2.4	102	0.00
61	T	1,2-Dibromoethane	0.236	0.224	5.1	100	0.00
62	S	4-Bromofluorobenzene	0.426	0.420	1.4	112	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00
64	T	Tetrachloroethene	0.378	0.359	5.0	103	0.00
65	PM	Chlorobenzene	1.122	1.091	2.8	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.393	0.387	1.5	105	0.00
67	C	Ethyl Benzene	1.988	1.972	0.8#	104	0.00
68	T	m/p-Xylenes	0.748	0.735	1.7	103	0.00
69	T	o-Xylene	0.701	0.696	0.7	103	0.00
70	T	Styrene	1.166	1.176	-0.9	103	0.00
71	P	Bromoform	0.225	0.217	3.6	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73	T	Isopropylbenzene	3.759	3.742	0.5	102	0.00
74	T	N-amyl acetate	0.955	0.978	-2.4	100	0.00
75	P	1,1,2,2-Tetrachloroethane	0.663	0.639	3.6	99	0.00
76	T	1,2,3-Trichloropropane	0.500	0.401	19.8	83	0.00
77	T	Bromobenzene	0.874	0.866	0.9	103	0.00
78	T	n-propylbenzene	4.561	4.517	1.0	101	0.00
79	T	2-Chlorotoluene	2.618	2.575	1.6	103	0.00
80	T	1,3,5-Trimethylbenzene	3.083	3.059	0.8	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.225	0.224	0.4	100	0.00
82	T	4-Chlorotoluene	2.714	2.682	1.2	103	0.00
83	T	tert-Butylbenzene	2.785	2.716	2.5	102	0.00
84	T	1,2,4-Trimethylbenzene	3.066	3.057	0.3	102	0.00
85	T	sec-Butylbenzene	4.068	3.911	3.9	100	0.00
86	T	p-Isopropyltoluene	3.397	3.301	2.8	100	0.00
87	T	1,3-Dichlorobenzene	1.730	1.676	3.1	101	0.00
88	T	1,4-Dichlorobenzene	1.709	1.633	4.4	101	0.00
89	T	n-Butylbenzene	3.196	3.100	3.0	98	0.00
90	T	Hexachloroethane	0.710	0.671	5.5	101	0.00
91	T	1,2-Dichlorobenzene	1.515	1.469	3.0	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.105	0.099	5.7	95	0.00
93	T	1,2,4-Trichlorobenzene	0.925	0.884	4.4	99	0.00
94	T	Hexachlorobutadiene	0.582	0.531	8.8	97	0.00
95	T	Naphthalene	1.532	1.561	-1.9	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.781	0.747	4.4	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	111	0.00
2	T	Dichlorodifluoromethane	50.000	46.640	6.7	99	0.00
3	P	Chloromethane	50.000	47.473	5.1	107	0.00
4	C	Vinyl Chloride	50.000	48.798	2.4#	103	0.00
5	T	Bromomethane	50.000	46.361	7.3	106	0.00
6	T	Chloroethane	50.000	48.772	2.5	103	0.00
7	T	Trichlorofluoromethane	50.000	47.701	4.6	102	0.00
8	T	Diethyl Ether	50.000	49.537	0.9	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.169	5.7	102	0.00
10	T	Methyl Iodide	50.000	52.212	-4.4	100	0.00
11	T	Tert butyl alcohol	250.000	202.221	19.1	97	0.00
12	CM	1,1-Dichloroethene	50.000	48.413	3.2#	104	0.00
13	T	Acrolein	250.000	42.624	83.0#	94	0.00
14	T	Allyl chloride	50.000	50.242	-0.5	107	0.00
15	T	Acrylonitrile	250.000	241.892	3.2	101	0.00
16	T	Acetone	250.000	260.267	-4.1	98	0.00
17	T	Carbon Disulfide	50.000	48.712	2.6	104	0.00
18	T	Methyl Acetate	50.000	48.342	3.3	103	0.00
19	T	Methyl tert-butyl Ether	50.000	49.206	1.6	103	0.00
20	T	Methylene Chloride	50.000	45.263	9.5	101	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.708	2.6	104	0.00
22	T	Diisopropyl ether	50.000	50.442	-0.9	105	0.00
23	T	Vinyl Acetate	250.000	249.197	0.3	102	0.00
24	P	1,1-Dichloroethane	50.000	49.069	1.9	104	0.00
25	T	2-Butanone	250.000	246.999	1.2	98	0.00
26	T	2,2-Dichloropropane	50.000	49.191	1.6	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.053	-0.1	105	0.00
28	T	Bromochloromethane	50.000	47.247	5.5	106	0.00
29	T	Tetrahydrofuran	250.000	238.435	4.6	99	0.00
30	C	Chloroform	50.000	49.253	1.5#	105	0.00
31	T	Cyclohexane	50.000	46.094	7.8	103	0.00
32	T	1,1,1-Trichloroethane	50.000	48.795	2.4	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.987	4.0	109	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	113	0.00
35	S	Dibromofluoromethane	50.000	48.743	2.5	111	0.00
36	T	1,1-Dichloropropene	50.000	48.254	3.5	104	0.00
37	T	Ethyl Acetate	50.000	48.080	3.8	104	0.00
38	T	Carbon Tetrachloride	50.000	48.402	3.2	104	0.00
39	T	Methylcyclohexane	50.000	46.422	7.2	99	0.00
40	TM	Benzene	50.000	48.593	2.8	105	0.00
41	T	Methacrylonitrile	50.000	42.766	14.5	90	0.00
42	TM	1,2-Dichloroethane	50.000	47.978	4.0	104	0.00
43	T	Isopropyl Acetate	50.000	47.984	4.0	100	0.00
44	TM	Trichloroethene	50.000	48.665	2.7	105	0.00
45	C	1,2-Dichloropropane	50.000	48.637	2.7#	104	0.00
46	T	Dibromomethane	50.000	48.195	3.6	103	0.00
47	T	Bromodichloromethane	50.000	48.352	3.3	103	0.00
48	T	Methyl methacrylate	50.000	48.481	3.0	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	944.605	5.5	102	0.00
50	S	Toluene-d8	50.000	49.599	0.8	114	0.00
51	T	4-Methyl-2-Pentanone	250.000	240.853	3.7	99	0.00
52	CM	Toluene	50.000	49.351	1.3#	105	0.00
53	T	t-1,3-Dichloropropene	50.000	49.988	0.0	103	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.192	1.6	104	0.00
55	T	1,1,2-Trichloroethane	50.000	47.334	5.3	100	0.00
56	T	Ethyl methacrylate	50.000	50.979	-2.0	101	0.00
57	T	1,3-Dichloropropane	50.000	49.183	1.6	104	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	234.614	6.2	92	0.00
59	T	2-Hexanone	250.000	249.476	0.2	98	0.00
60	T	Dibromochloromethane	50.000	48.867	2.3	102	0.00
61	T	1,2-Dibromoethane	50.000	47.532	4.9	100	0.00
62	S	4-Bromofluorobenzene	50.000	49.290	1.4	112	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	112	0.00
64	T	Tetrachloroethene	50.000	47.455	5.1	103	0.00
65	PM	Chlorobenzene	50.000	48.625	2.8	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.295	1.4	105	0.00
67	C	Ethyl Benzene	50.000	49.609	0.8#	104	0.00
68	T	m/p-Xylenes	100.000	98.298	1.7	103	0.00
69	T	o-Xylene	50.000	49.676	0.6	103	0.00
70	T	Styrene	50.000	50.431	-0.9	103	0.00
71	P	Bromoform	50.000	48.247	3.5	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73	T	Isopropylbenzene	50.000	49.774	0.5	102	0.00
74	T	N-amyl acetate	50.000	51.162	-2.3	100	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.150	3.7	99	0.00
76	T	1,2,3-Trichloropropane	50.000	40.055	19.9	83	0.00
77	T	Bromobenzene	50.000	49.529	0.9	103	0.00
78	T	n-propylbenzene	50.000	49.510	1.0	101	0.00
79	T	2-Chlorotoluene	50.000	49.181	1.6	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.604	0.8	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.724	0.6	100	0.00
82	T	4-Chlorotoluene	50.000	49.408	1.2	103	0.00
83	T	tert-Butylbenzene	50.000	48.765	2.5	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.846	0.3	102	0.00
85	T	sec-Butylbenzene	50.000	48.069	3.9	100	0.00
86	T	p-Isopropyltoluene	50.000	48.594	2.8	100	0.00
87	T	1,3-Dichlorobenzene	50.000	48.450	3.1	101	0.00
88	T	1,4-Dichlorobenzene	50.000	47.797	4.4	101	0.00
89	T	n-Butylbenzene	50.000	48.491	3.0	98	0.00
90	T	Hexachloroethane	50.000	47.306	5.4	101	0.00
91	T	1,2-Dichlorobenzene	50.000	48.457	3.1	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.306	5.4	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.769	4.5	99	0.00
94	T	Hexachlorobutadiene	50.000	45.603	8.8	97	0.00
95	T	Naphthalene	50.000	50.937	-1.9	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.779	4.4	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_Y Calibration Date/Time: 02/26/2025 20:06

Lab File ID: VY021344.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.612	0.566	0.1	-7.52	50
Vinyl Chloride	0.601	0.577		-3.99	50
Bromomethane	0.399	0.382		-4.26	50
Chloroethane	0.373	0.374		0.27	50
Trichlorofluoromethane	0.908	0.871		-4.07	50
1,1,2-Trichlorotrifluoroethane	0.525	0.494		-5.91	50
1,1-Dichloroethene	0.503	0.489		-2.78	50
Acetone	0.109	0.098		-10.09	50
Carbon Disulfide	1.671	1.626		-2.69	50
Methyl tert-butyl Ether	1.329	1.439		8.28	50
Methylene Chloride	0.588	0.567		-3.57	50
trans-1,2-Dichloroethene	0.554	0.566		2.17	50
1,1-Dichloroethane	1.040	1.051	0.1	1.06	50
2-Butanone	0.164	0.166		1.22	50
Carbon Tetrachloride	0.554	0.520		-6.14	50
cis-1,2-Dichloroethene	0.632	0.663		4.91	50
Chloroform	1.054	1.085		2.94	50
1,1,1-Trichloroethane	0.960	0.958		-0.21	50
Methylcyclohexane	0.623	0.557		-10.59	50
Benzene	1.456	1.421		-2.4	50
1,2-Dichloroethane	0.413	0.419		1.45	50
Trichloroethene	0.364	0.352		-3.3	50
1,2-Dichloropropane	0.350	0.341		-2.57	50
Bromodichloromethane	0.511	0.511		0	50
4-Methyl-2-Pentanone	0.243	0.248		2.06	50
Toluene	0.904	0.897		-0.77	50
t-1,3-Dichloropropene	0.468	0.465		-0.64	50
cis-1,3-Dichloropropene	0.552	0.534		-3.26	50
1,1,2-Trichloroethane	0.249	0.254		2.01	50
2-Hexanone	0.159	0.166		4.4	50
Dibromochloromethane	0.340	0.345		1.47	50
Tetrachloroethene	0.378	0.354		-6.35	50
Chlorobenzene	1.122	1.085	0.3	-3.3	50
Ethyl Benzene	1.988	1.913		-3.77	50
m/p-Xylenes	0.748	0.722		-3.48	50
o-Xylene	0.701	0.694		-1	50
Styrene	1.166	1.170		0.26	50
Bromoform	0.225	0.225	0.1	0	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1401 SAS No.: Q1401 SDG No.: Q1401

Instrument ID: MSVOA_Y Calibration Date/Time: 02/26/2025 20:06

Lab File ID: VY021344.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:40 16:49

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.759	3.702		-1.52	50
1,1,2,2-Tetrachloroethane	0.663	0.666	0.3	0.45	50
1,3-Dichlorobenzene	1.730	1.669		-3.53	50
1,4-Dichlorobenzene	1.709	1.629		-4.68	50
1,2-Dichlorobenzene	1.515	1.475		-2.64	50
1,2-Dichloroethane-d4	0.567	0.529		-6.7	50
Dibromofluoromethane	0.328	0.298		-9.15	50
Toluene-d8	1.267	1.131		-10.73	50
4-Bromofluorobenzene	0.426	0.383		-10.09	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	209132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	343428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	305969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110600	46.619	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.240%			
35) Dibromofluoromethane	7.634	113	102286	45.429	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.860%			
50) Toluene-d8	10.103	98	388525	44.650	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 89.300%			
62) 4-Bromofluorobenzene	12.408	95	131584	44.933	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	89202	44.987	ug/l	100
3) Chloromethane	2.068	50	118305	46.199	ug/l	100
4) Vinyl Chloride	2.202	62	120584	47.976	ug/l	98
5) Bromomethane	2.592	94	79891	47.832	ug/l	99
6) Chloroethane	2.733	64	78213	50.180	ug/l	98
7) Trichlorofluoromethane	3.056	101	182167	47.991	ug/l	98
8) Diethyl Ether	3.452	74	60683	53.265	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	103386	47.044	ug/l	99
10) Methyl Iodide	4.007	142	132681	57.386	ug/l	99
11) Tert butyl alcohol	4.854	59	42284	231.715	ug/l	99
12) 1,1-Dichloroethene	3.787	96	102196	48.566	ug/l	99
13) Acrolein	3.653	56	6424	45.939	ug/l	96
14) Allyl chloride	4.385	41	183341	49.143	ug/l	99
15) Acrylonitrile	5.055	53	130861	259.792	ug/l	99
16) Acetone	3.866	43	102355	224.914	ug/l	98
17) Carbon Disulfide	4.104	76	340079	48.671	ug/l	100
18) Methyl Acetate	4.385	43	59440	53.445	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	300902	54.123	ug/l	100
20) Methylene Chloride	4.616	84	118498	48.152	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	118319	51.077	ug/l	97
22) Diisopropyl ether	6.019	45	402879	52.185	ug/l	98
23) Vinyl Acetate	5.958	43	1195161	259.062	ug/l	100
24) 1,1-Dichloroethane	5.915	63	219734	50.498	ug/l	99
25) 2-Butanone	6.890	43	173965	253.286	ug/l	99
26) 2,2-Dichloropropane	6.884	77	170930	43.292	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	138734	52.447	ug/l	97
28) Bromochloromethane	7.244	49	93313	48.465	ug/l	97
29) Tetrahydrofuran	7.262	42	117269	261.209	ug/l	99
30) Chloroform	7.421	83	226821	51.443	ug/l	99
31) Cyclohexane	7.701	56	184463	44.101	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	200425	49.940	ug/l	98
36) 1,1-Dichloropropene	7.835	75	158713	46.928	ug/l	99
37) Ethyl Acetate	6.982	43	82433	48.999	ug/l	99
38) Carbon Tetrachloride	7.817	117	178448	46.933	ug/l	99
39) Methylcyclohexane	9.109	83	191242	44.707	ug/l	99
40) Benzene	8.079	78	488113	48.823	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	50830	54.039	ug/l		93
42) 1,2-Dichloroethane	8.158	62	143731	50.672	ug/l		99
43) Isopropyl Acetate	8.195	43	162361	49.861	ug/l		99
44) Trichloroethene	8.866	130	120825	48.271	ug/l		99
45) 1,2-Dichloropropane	9.140	63	117257	48.736	ug/l		99
46) Dibromomethane	9.231	93	66414	50.499	ug/l		99
47) Bromodichloromethane	9.420	83	175634	50.086	ug/l		98
48) Methyl methacrylate	9.219	41	77080	50.619	ug/l		97
49) 1,4-Dioxane	9.225	88	14855	1015.844	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.000	43	425033	254.988	ug/l		99
52) Toluene	10.170	92	307967	49.585	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	159678	49.701	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	183344	48.340	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	87133	50.858	ug/l		99
56) Ethyl methacrylate	10.438	69	127215	53.738	ug/l		98
57) 1,3-Dichloropropane	10.713	76	152781	50.818	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	292101	257.068	ug/l		99
59) 2-Hexanone	10.755	43	285133	260.462	ug/l		99
60) Dibromochloromethane	10.908	129	118508	50.788	ug/l		99
61) 1,2-Dibromoethane	11.012	107	82050	50.586	ug/l		98
64) Tetrachloroethene	10.646	164	108193	46.783	ug/l		99
65) Chlorobenzene	11.444	112	331937	48.330	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	118595	49.313	ug/l		100
67) Ethyl Benzene	11.518	91	585231	48.106	ug/l		100
68) m/p-Xylenes	11.627	106	441830	96.556	ug/l		100
69) o-Xylene	11.956	106	212382	49.544	ug/l		100
70) Styrene	11.969	104	357830	50.170	ug/l		100
71) Bromoform	12.133	173	68887	50.071	ug/l		99
73) Isopropylbenzene	12.255	105	548496	49.240	ug/l		100
74) N-amyl acetate	12.072	43	146735	51.825	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	98641	50.176	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	72307m	48.754	ug/l		
77) Bromobenzene	12.530	156	130762	50.469	ug/l		98
78) n-propylbenzene	12.597	91	647434	47.897	ug/l		99
79) 2-Chlorotoluene	12.676	91	381569	49.187	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	448101	49.048	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	31668	47.460	ug/l		97
82) 4-Chlorotoluene	12.773	91	392065	48.755	ug/l		99
83) tert-Butylbenzene	12.999	119	405401	49.124	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	449054	49.422	ug/l		99
85) sec-Butylbenzene	13.176	105	564734	46.848	ug/l		99
86) p-Isopropyltoluene	13.292	119	477095	47.399	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	247228	48.238	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	241313	47.661	ug/l		99
89) n-Butylbenzene	13.615	91	431776	45.583	ug/l		100
90) Hexachloroethane	13.883	117	97989	46.606	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	218493	48.659	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15872	51.037	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	127534	46.535	ug/l		99
94) Hexachlorobutadiene	15.023	225	74574	43.221	ug/l		99
95) Naphthalene	15.145	128	230889	50.863	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	109952	47.484	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

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

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

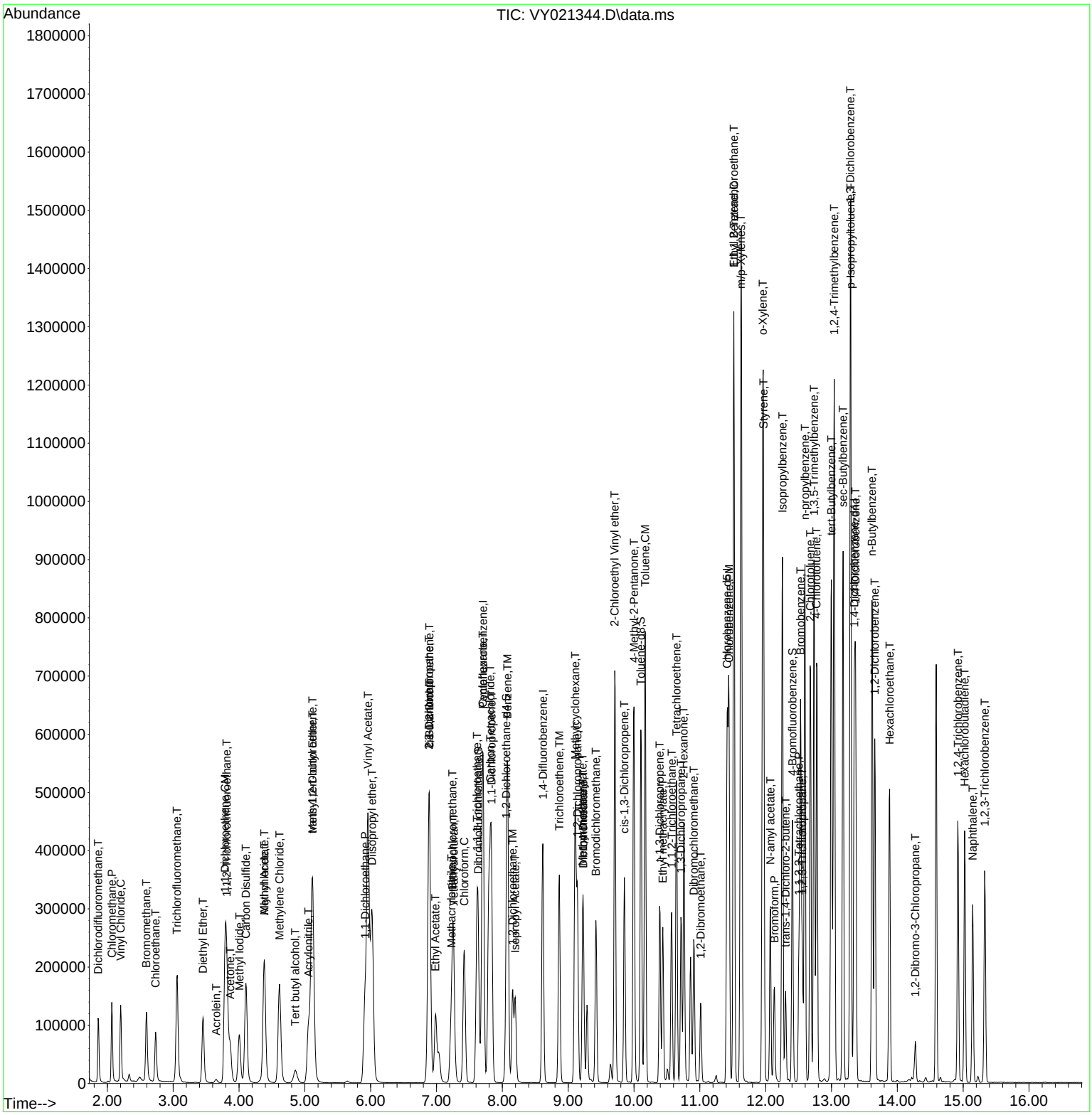
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

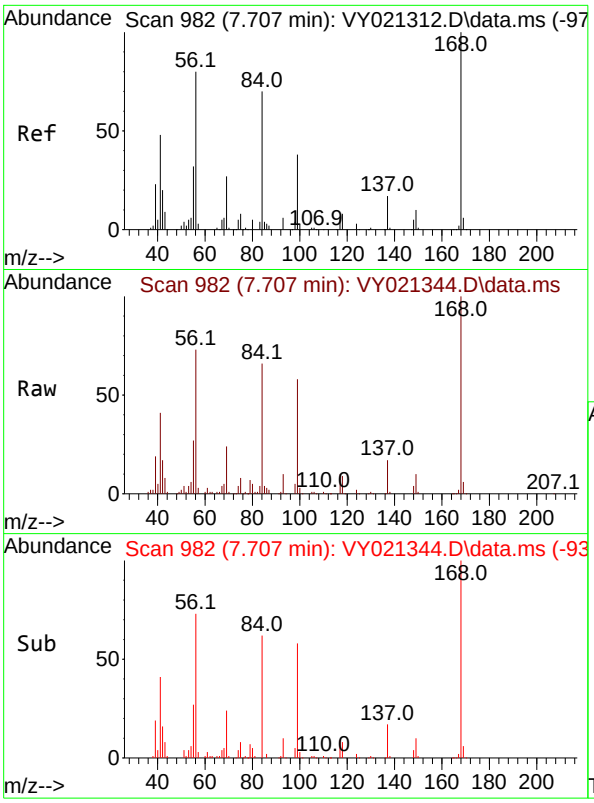
Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

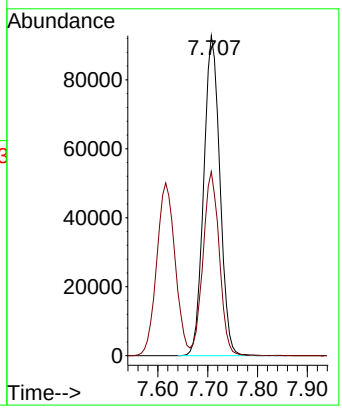




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:168 Resp: 20913

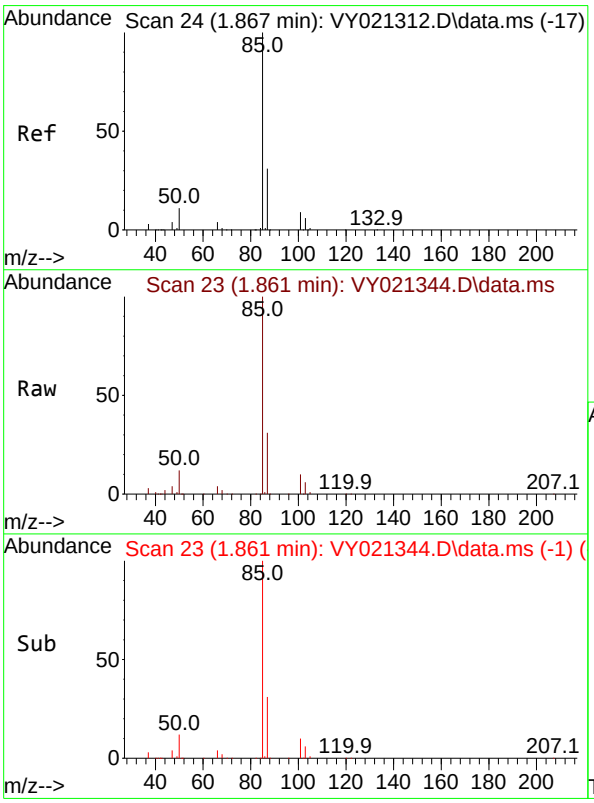
Ion	Ratio	Lower	Upper
168	100		
99	57.4	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

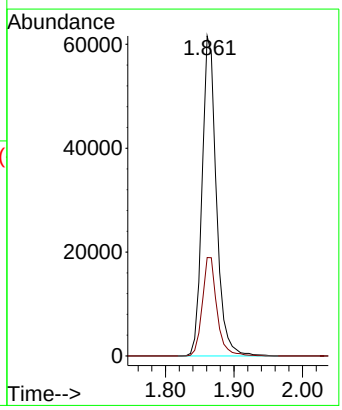
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

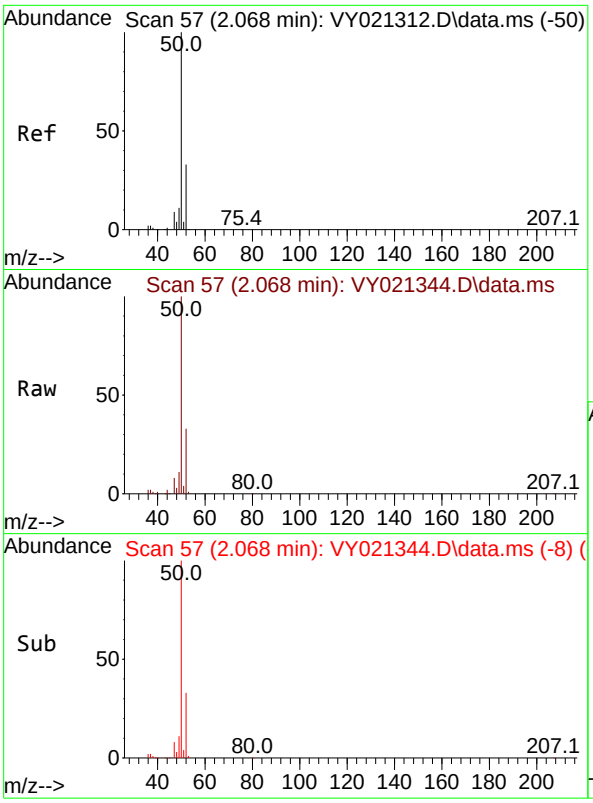


#2
Dichlorodifluoromethane
Concen: 44.987 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 85 Resp: 89202

Ion	Ratio	Lower	Upper
85	100		
87	30.7	15.4	46.4

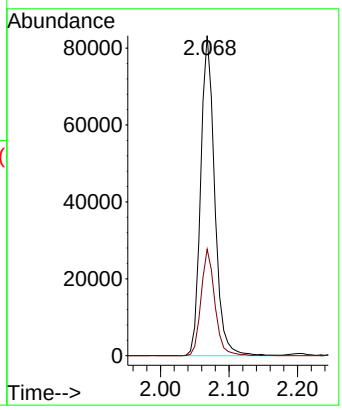




#3
Chloromethane
Concen: 46.199 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 50 Resp: 11830

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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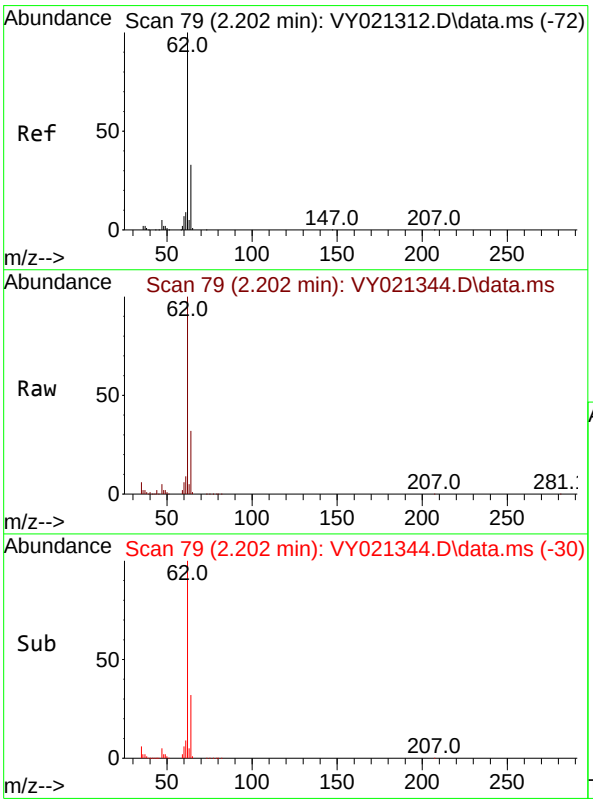
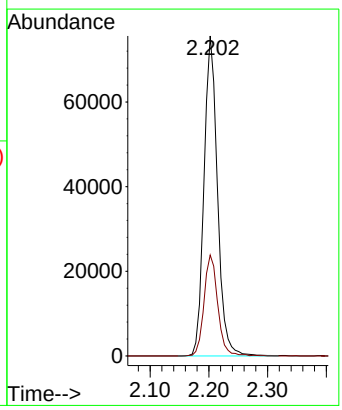
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

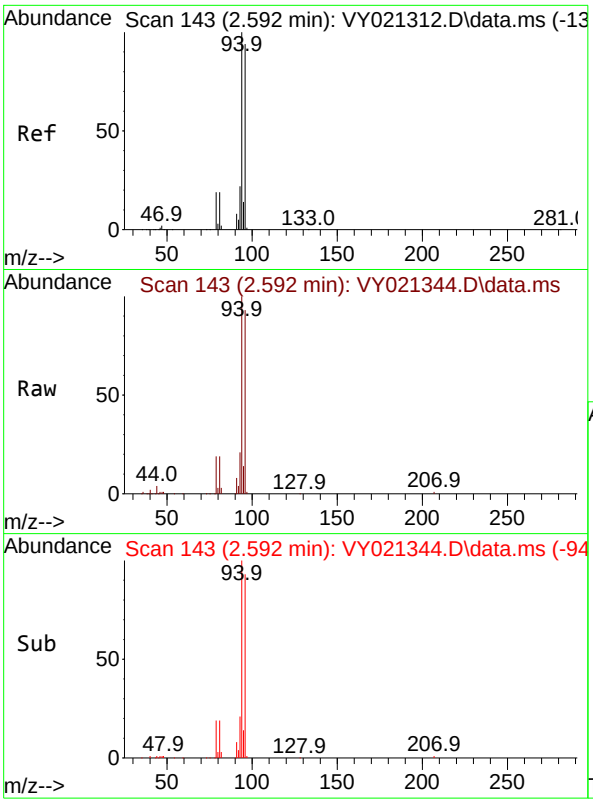


#4
Vinyl Chloride
Concen: 47.976 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 62 Resp: 120584

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.3	39.5

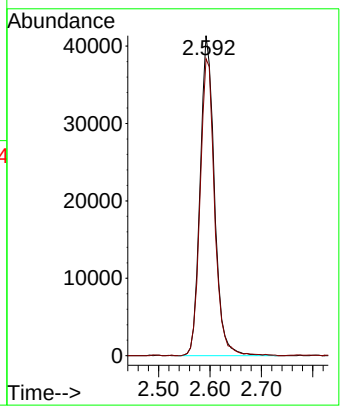




#5
Bromomethane
Concen: 47.832 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 94 Resp: 7989

Ion	Ratio	Lower	Upper
94	100		
96	92.8	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Romaben Patel 02/27/2025
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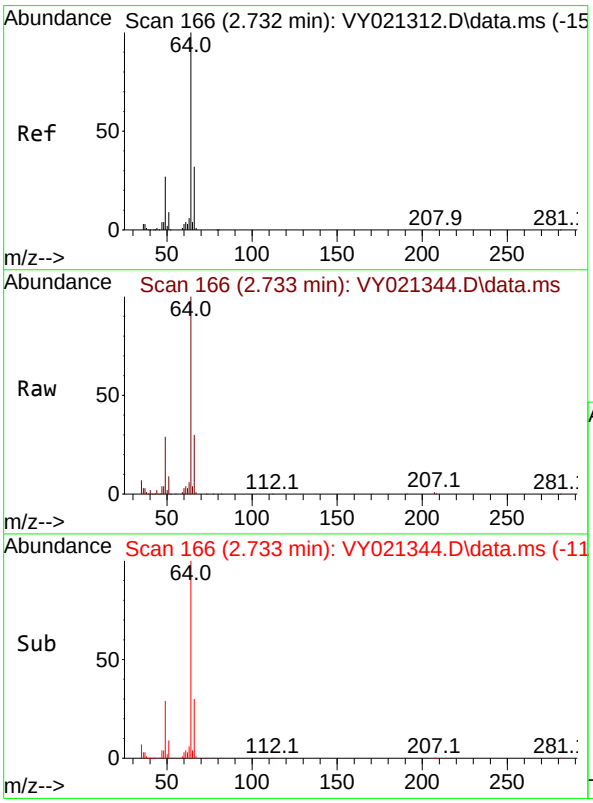
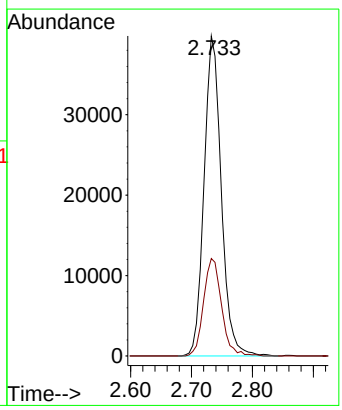
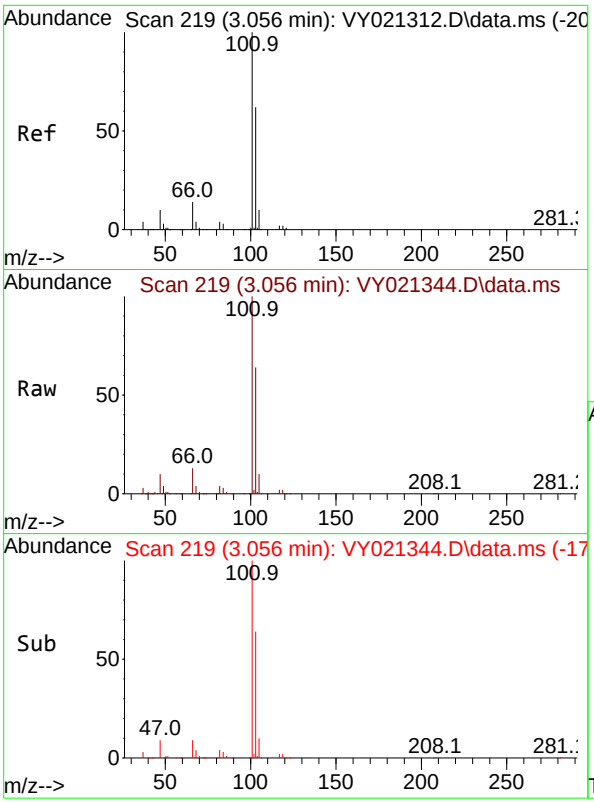


#6
Chloroethane
Concen: 50.180 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 64 Resp: 78213

Ion	Ratio	Lower	Upper
64	100		
66	30.4	25.4	38.0





#7
Trichlorofluoromethane
Concen: 47.991 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:101 Resp: 18216

Ion	Ratio	Lower	Upper
101	100		
103	63.8	49.7	74.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Romaben Patel 02/27/2025
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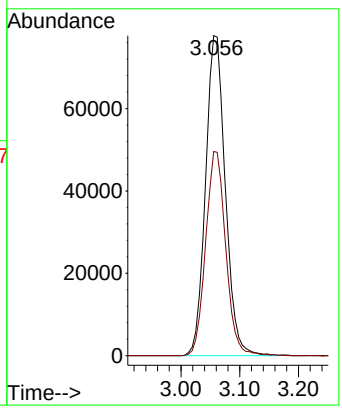
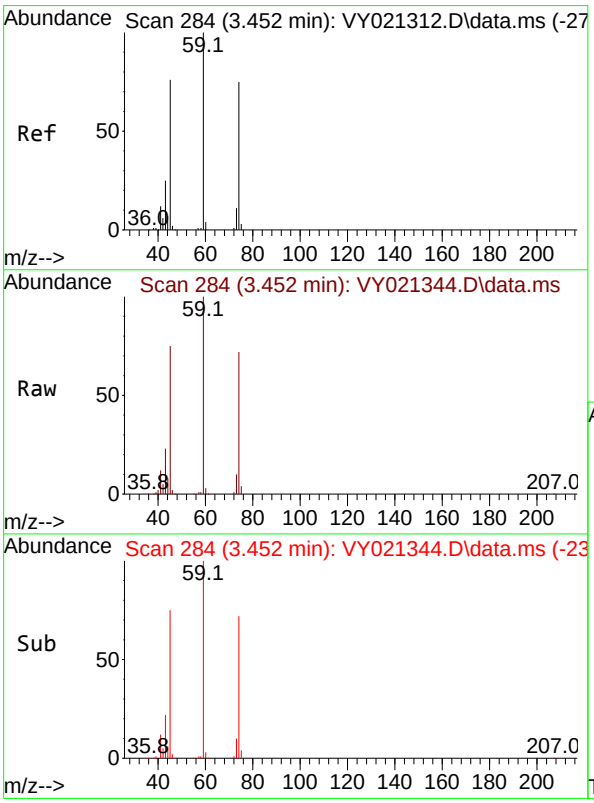
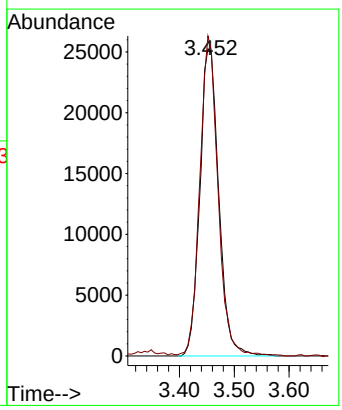


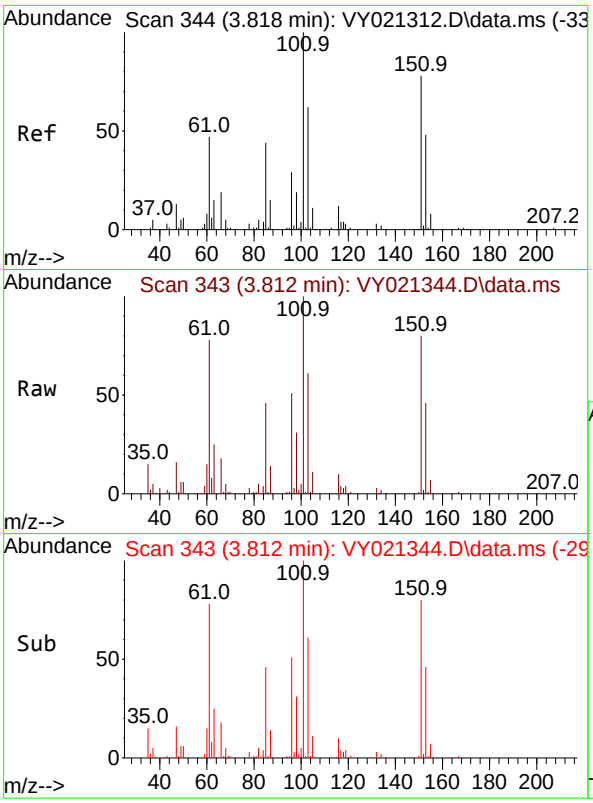


#8
Diethyl Ether
Concen: 53.265 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 74 Resp: 60683

Ion	Ratio	Lower	Upper
74	100		
45	99.3	50.3	150.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.044 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:101 Resp: 10338

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	79.0	62.6	94.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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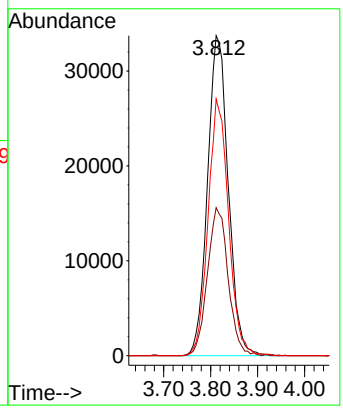
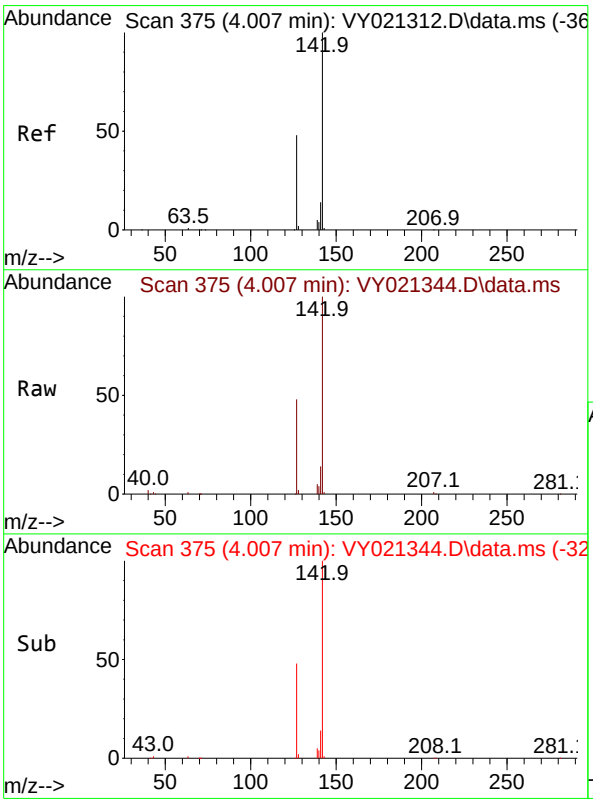
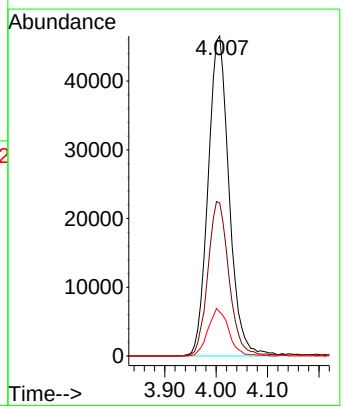


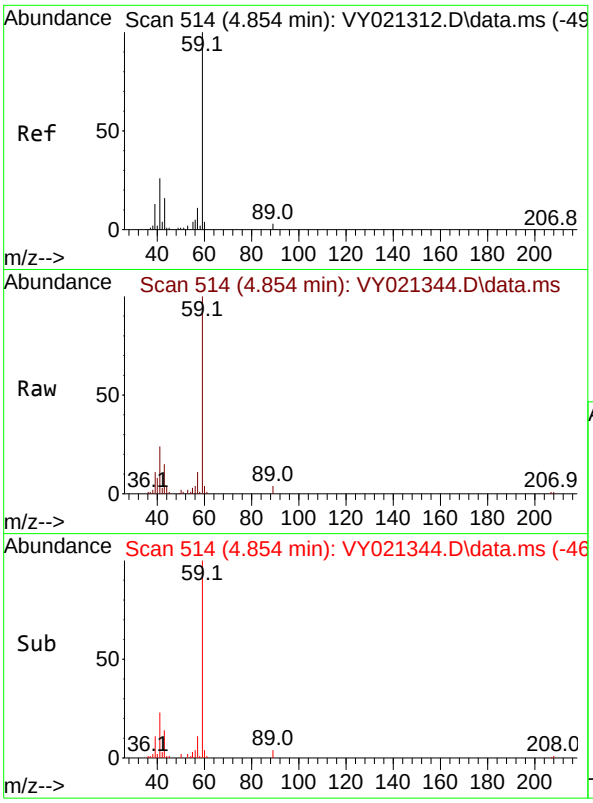


#10
Methyl Iodide
Concen: 57.386 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:142 Resp: 132681

Ion	Ratio	Lower	Upper
142	100		
127	48.5	39.2	58.8
141	14.5	11.4	17.2

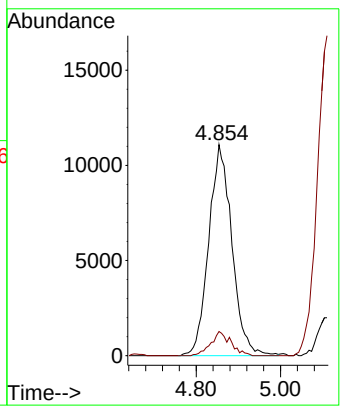




#11
Tert butyl alcohol
Concen: 231.715 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 59 Resp: 4228

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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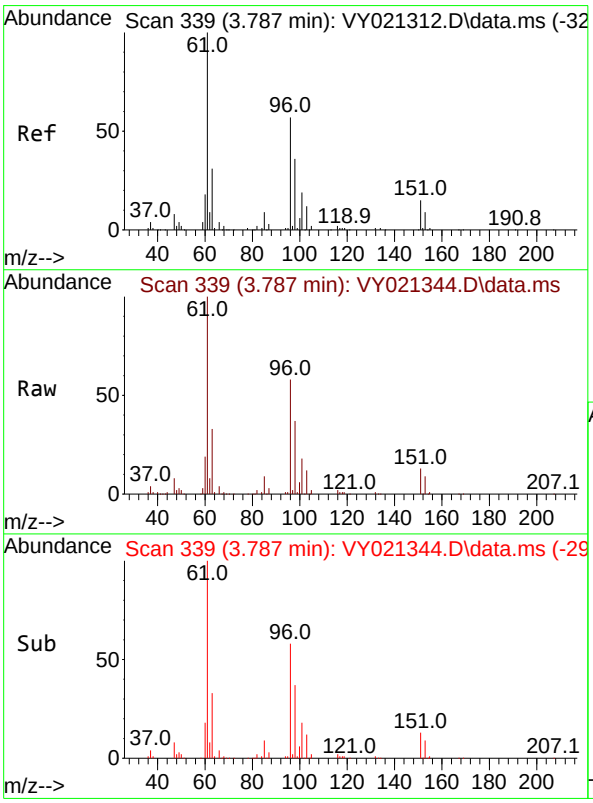
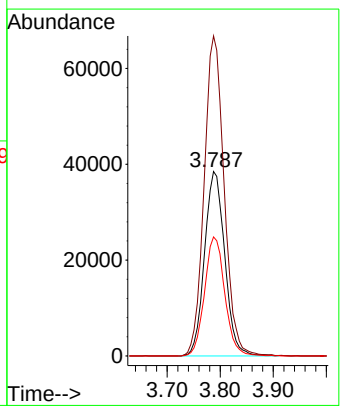
Supervised By :Mahesh Dadoda 02/27/2025

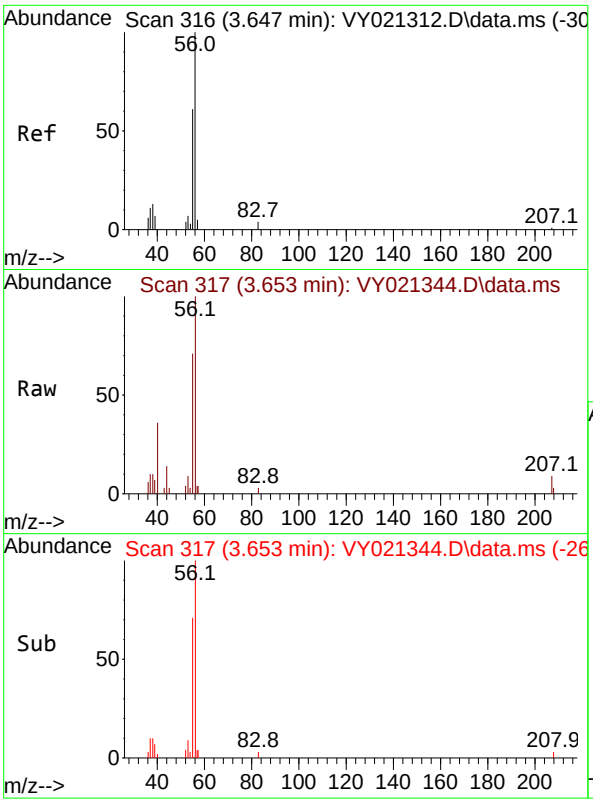


#12
1,1-Dichloroethene
Concen: 48.566 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 96 Resp: 102196

Ion	Ratio	Lower	Upper
96	100		
61	173.5	139.7	209.5
98	64.6	49.7	74.5

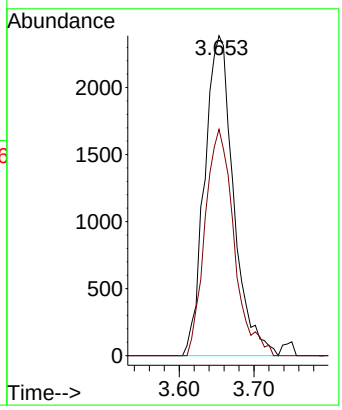




#13
Acrolein
Concen: 45.939 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 56 Resp: 642

Ion	Ratio	Lower	Upper
56	100		
55	70.7	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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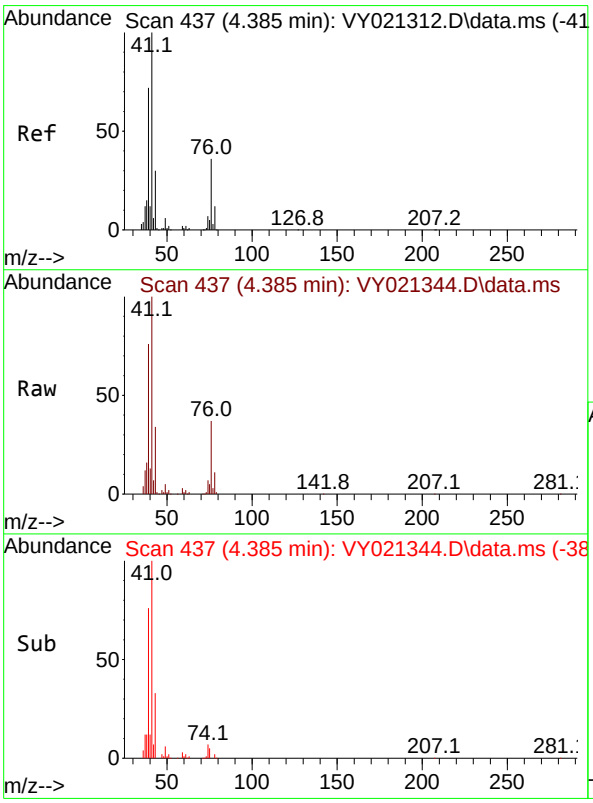
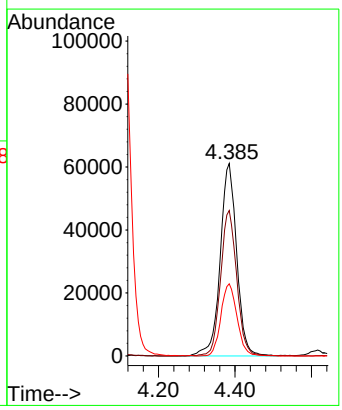
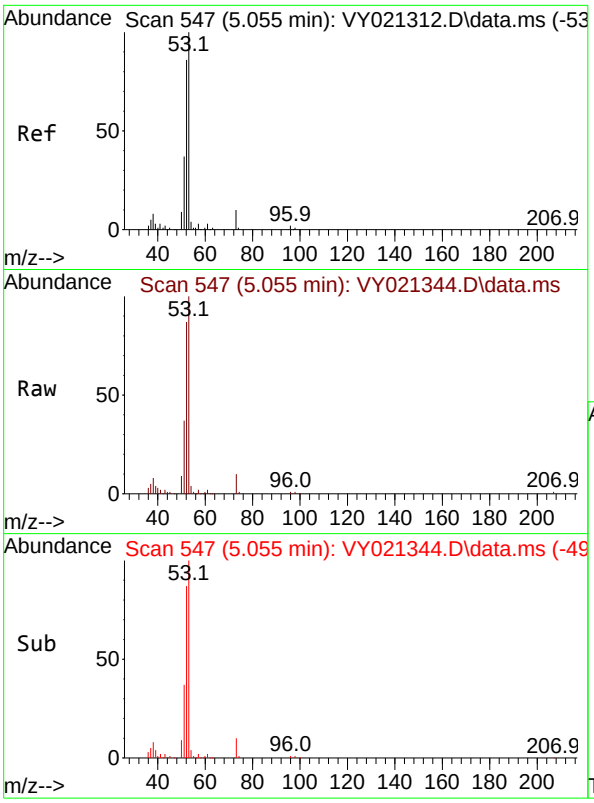


#14
Allyl chloride
Concen: 49.143 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 183341

Ion	Ratio	Lower	Upper
41	100		
39	74.0	60.0	90.0
76	36.6	29.0	43.6





#15
Acrylonitrile
Concen: 259.792 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 53 Resp: 13086

Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.5	98.3
51	38.1	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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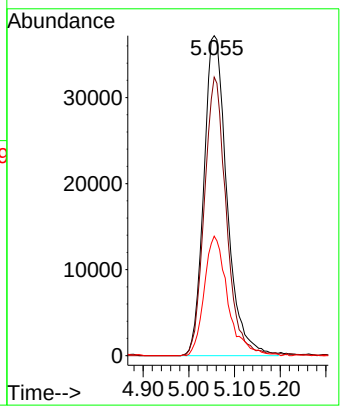
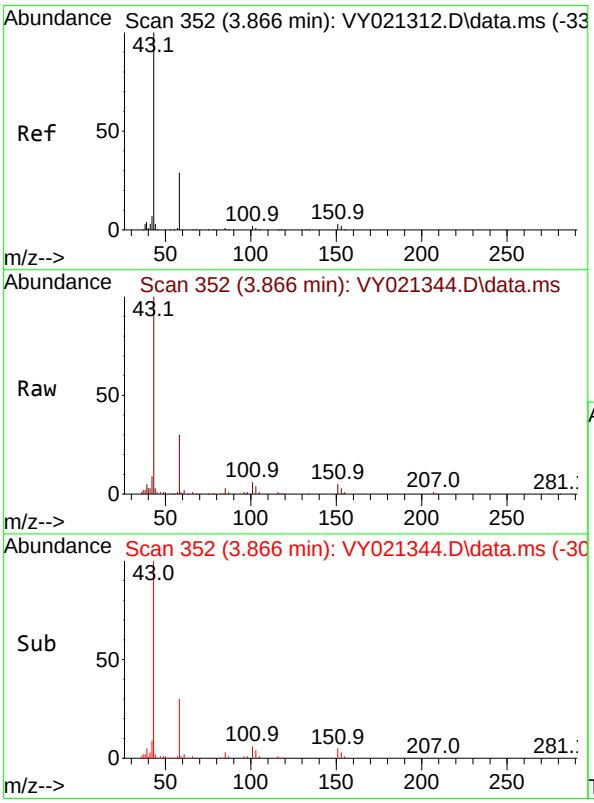
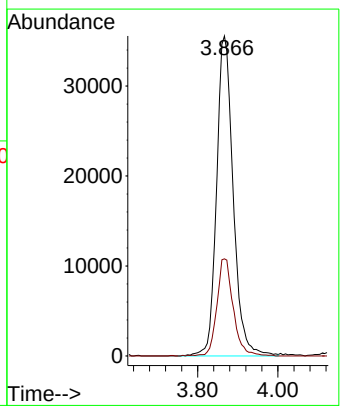


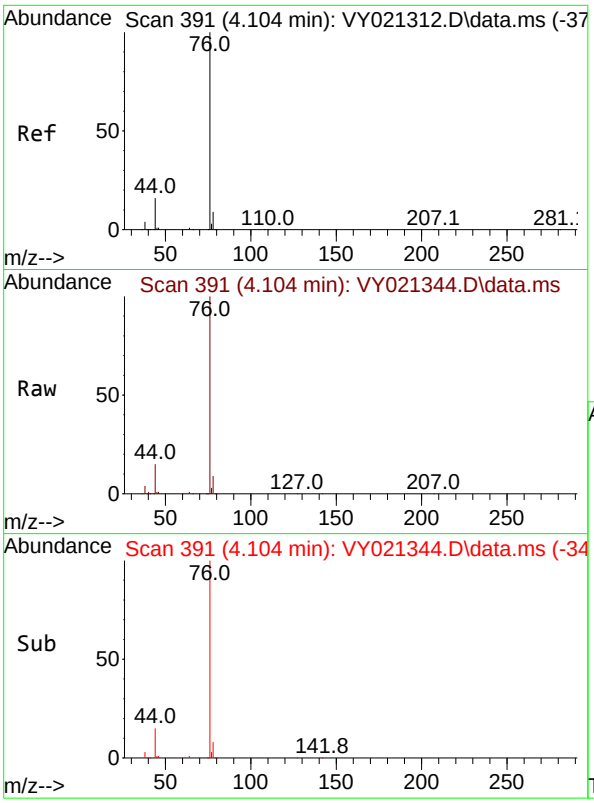


#16
Acetone
Concen: 224.914 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 102355

Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.5	35.3





#17
Carbon Disulfide
Concen: 48.671 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 76 Resp: 34007

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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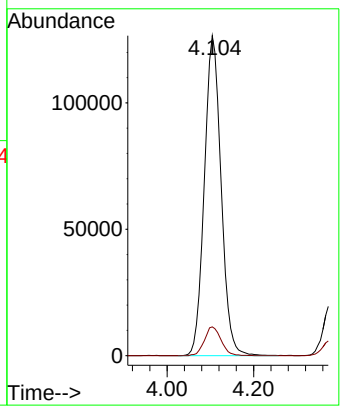
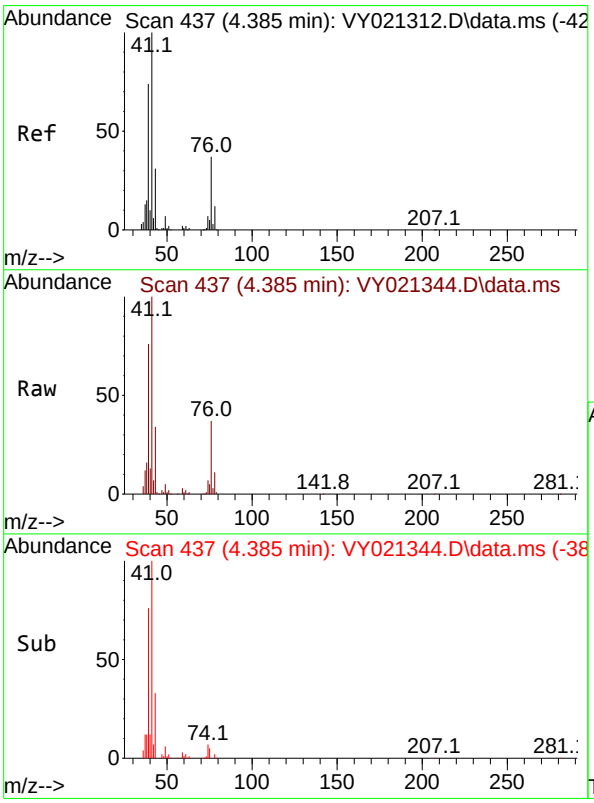
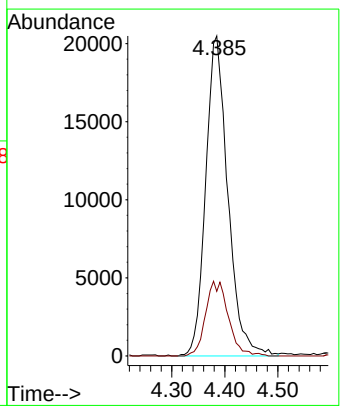


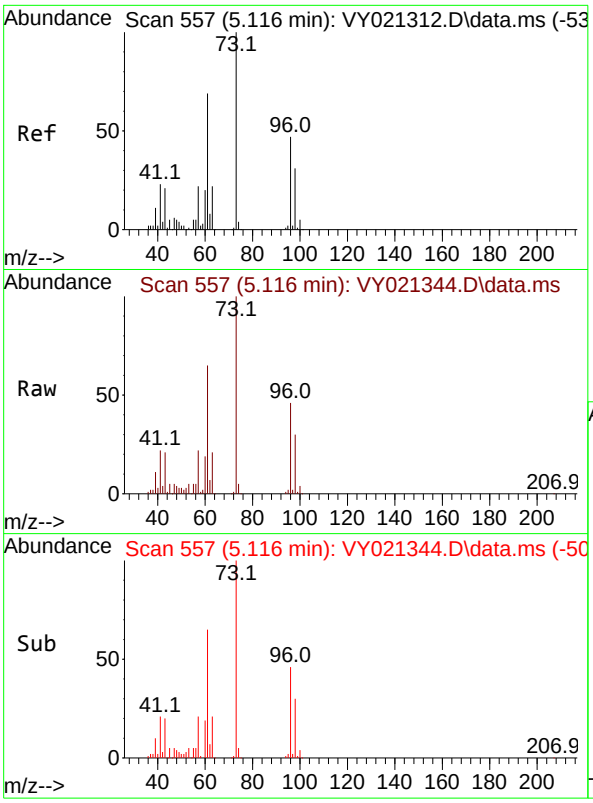


#18
Methyl Acetate
Concen: 53.445 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 59440

Ion	Ratio	Lower	Upper
43	100		
74	24.0	17.7	26.5

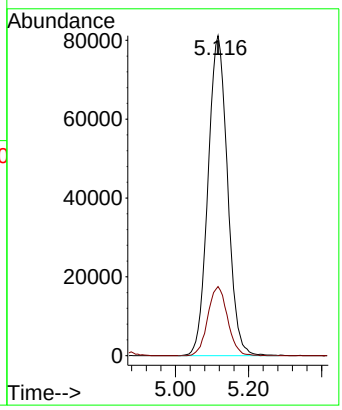




#19
Methyl tert-butyl Ether
Concen: 54.123 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 73 Resp: 30090

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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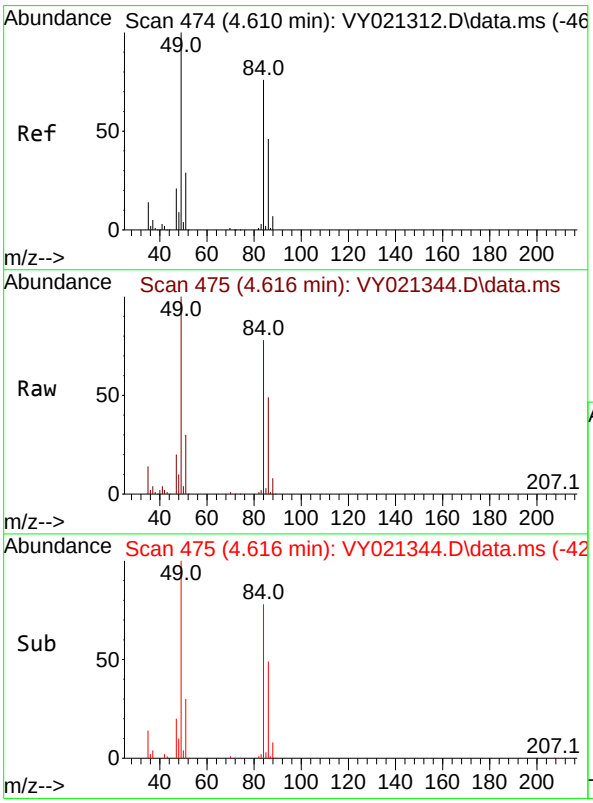
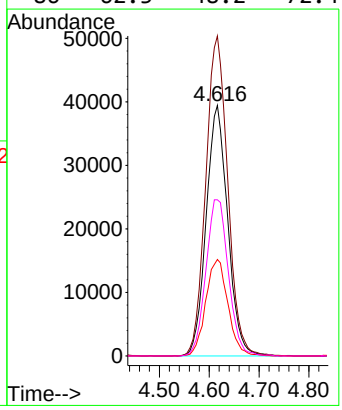
Supervised By :Mahesh Dadoda 02/27/2025

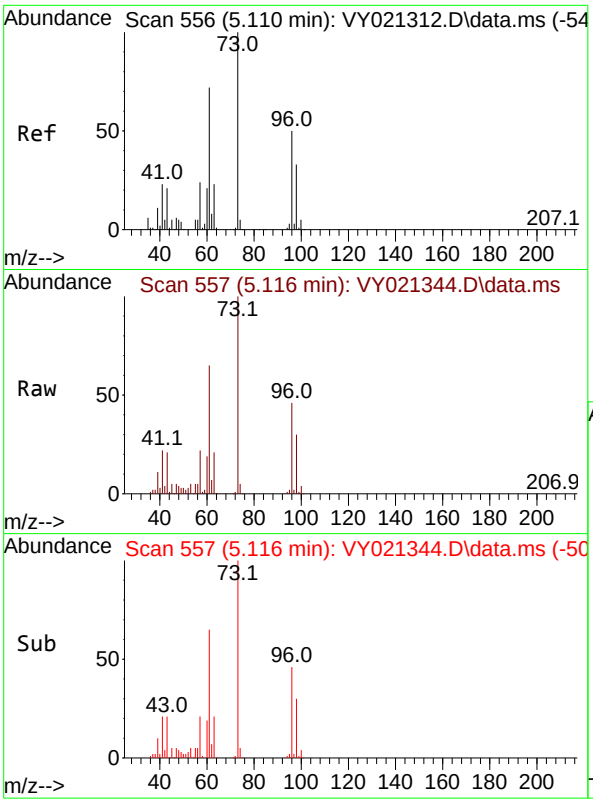


#20
Methylene Chloride
Concen: 48.152 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 84 Resp: 118498

Ion	Ratio	Lower	Upper
84	100		
49	127.7	105.1	157.7
51	38.5	31.0	46.4
86	62.3	48.2	72.4

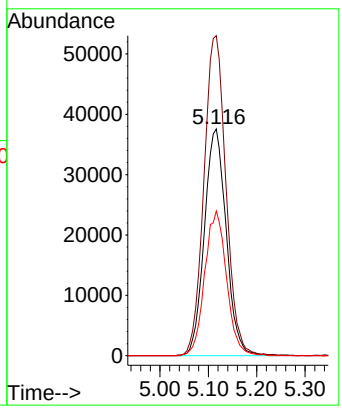




#21
trans-1,2-Dichloroethene
Concen: 51.077 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 96 Resp: 11831

Ion	Ratio	Lower	Upper
96	100		
61	141.0	116.3	174.5
98	63.8	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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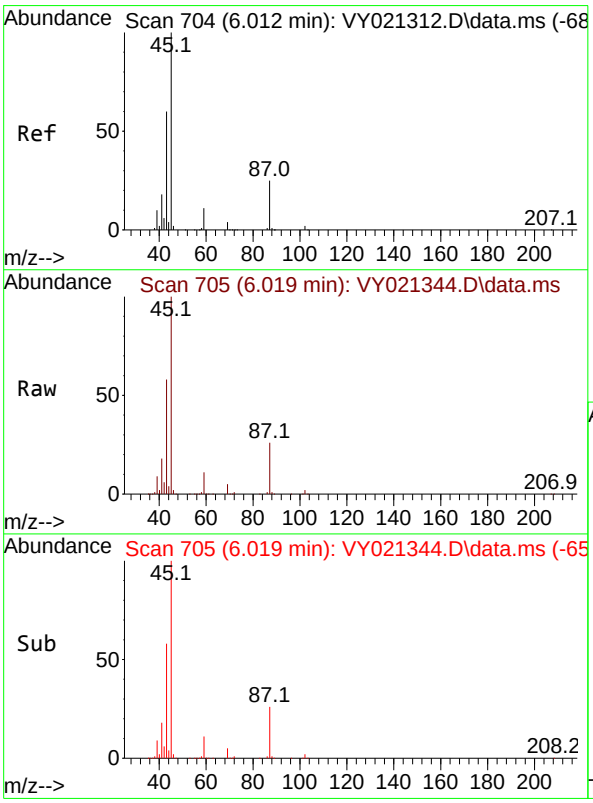
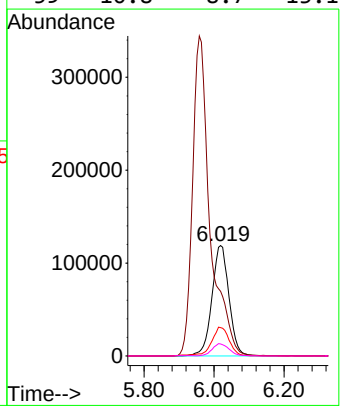
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

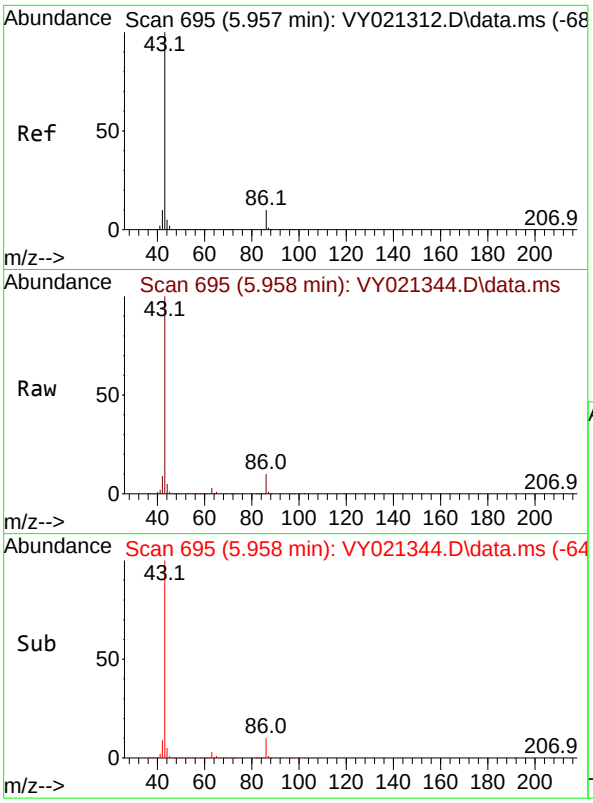


#22
Diisopropyl ether
Concen: 52.185 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 45 Resp: 402879

Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.2	72.4
87	25.7	20.3	30.5
59	10.8	8.7	13.1





#23
Vinyl Acetate
Concen: 259.062 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 119516

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
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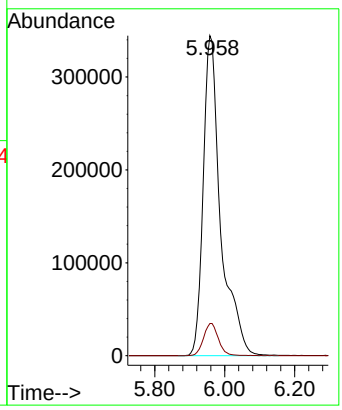
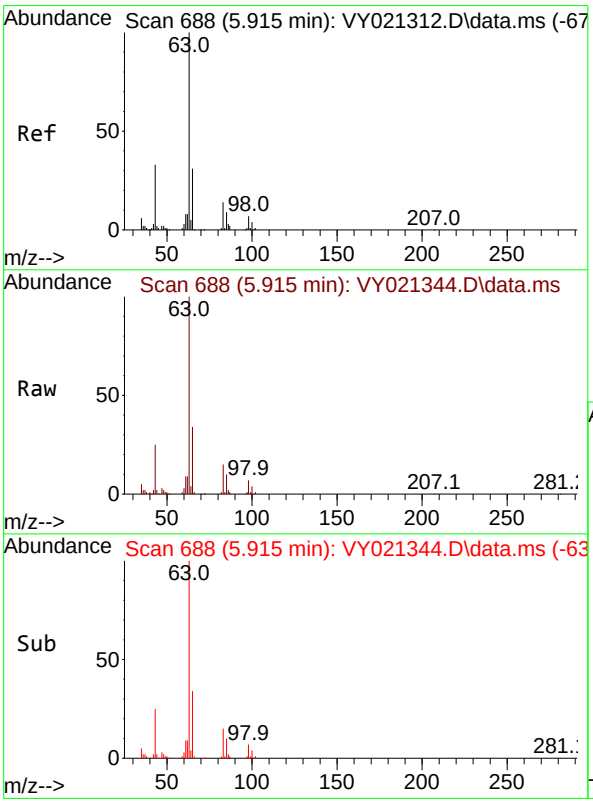
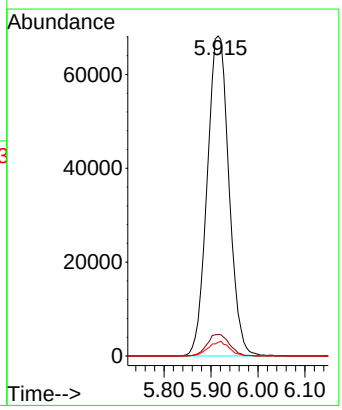


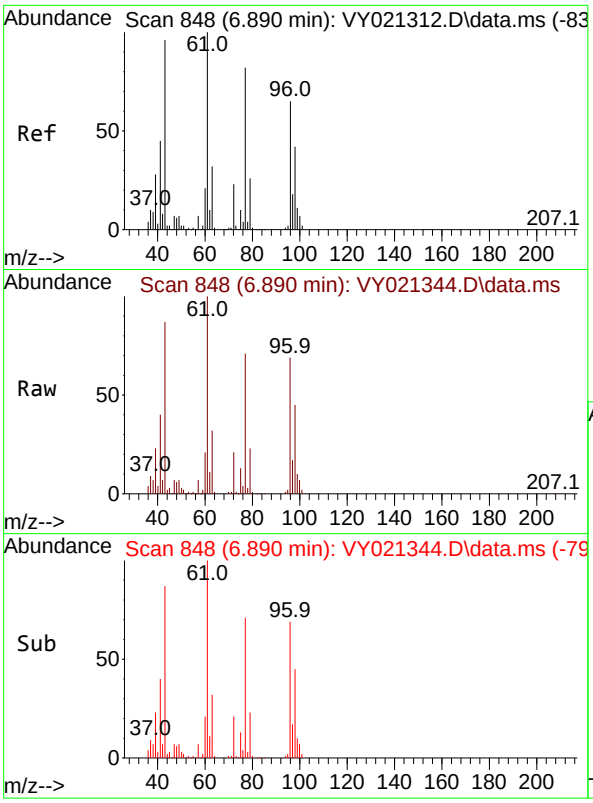


#24
1,1-Dichloroethane
Concen: 50.498 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 219734

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.7	11.1
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 253.286 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 17396

Ion	Ratio	Lower	Upper
43	100		
72	24.4	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
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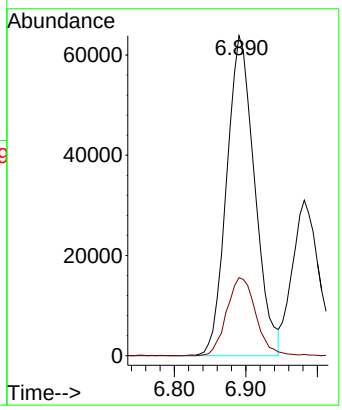
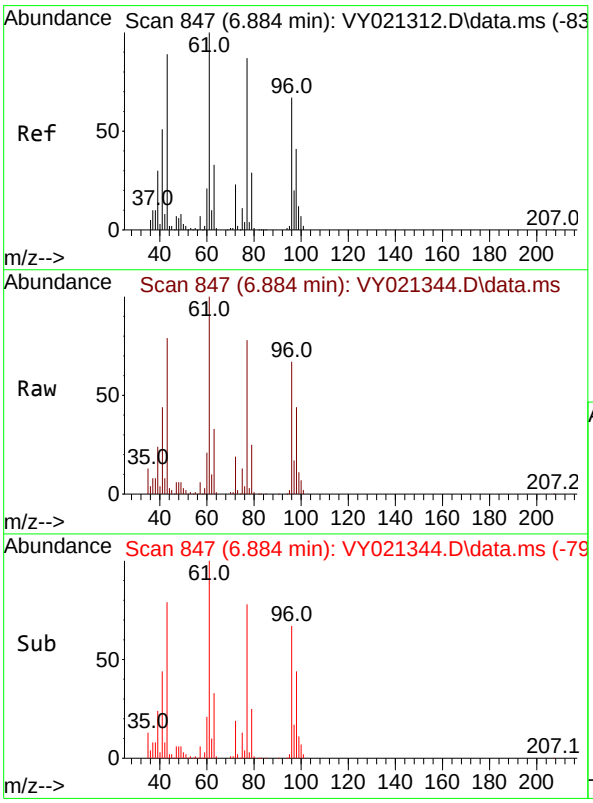
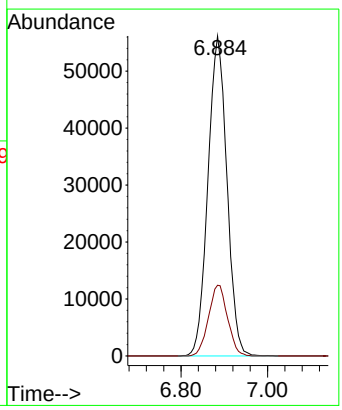


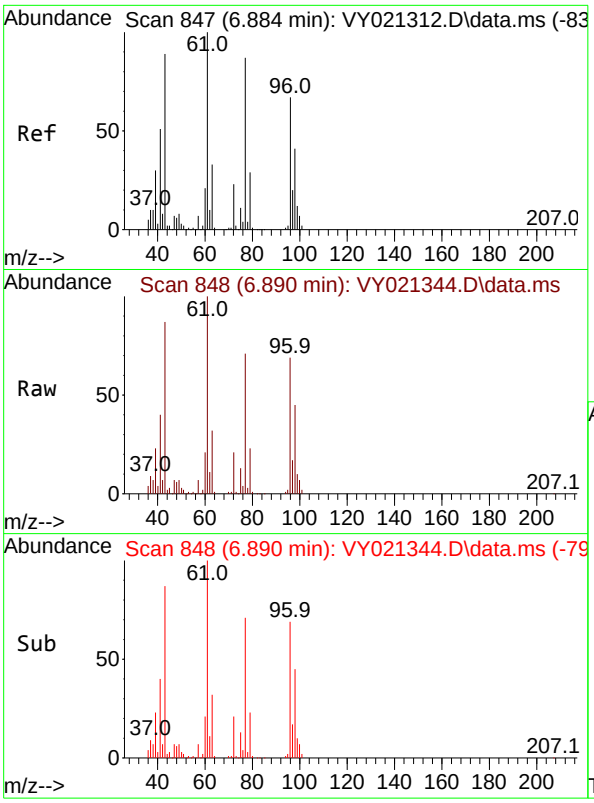


#26
2,2-Dichloropropane
Concen: 43.292 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 77 Resp: 170930

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7

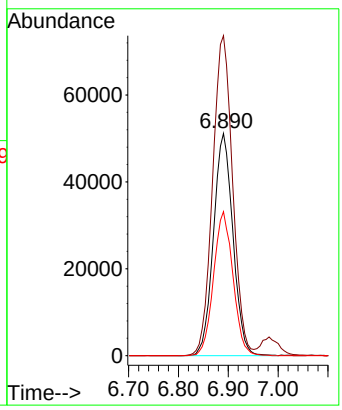




#27
cis-1,2-Dichloroethene
Concen: 52.447 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 96 Resp: 13873

Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	308.0
98	64.7	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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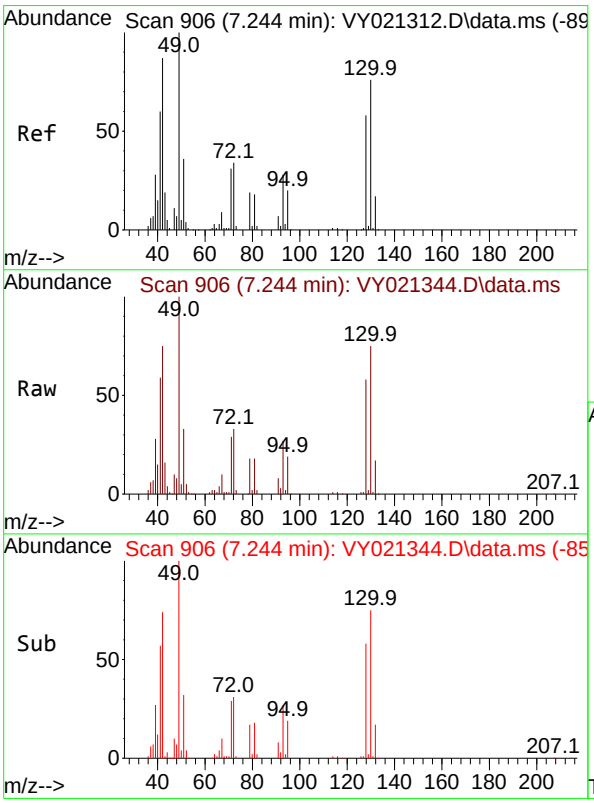
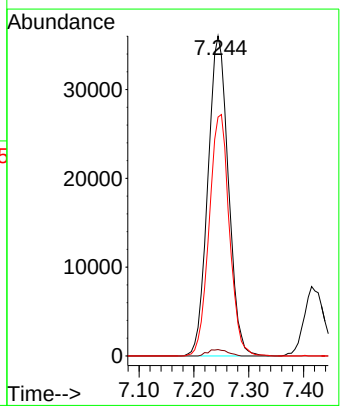
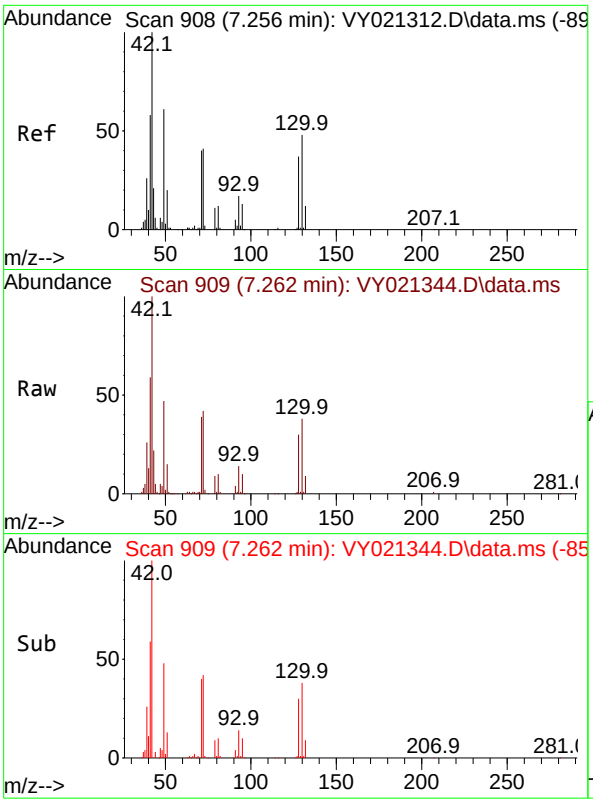


#28
Bromochloromethane
Concen: 48.465 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 49 Resp: 93313

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	74.6	57.8	86.6

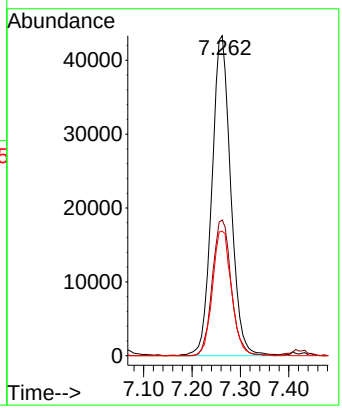




#29
Tetrahydrofuran
Concen: 261.209 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 42 Resp: 11726

Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.1	49.7
71	39.3	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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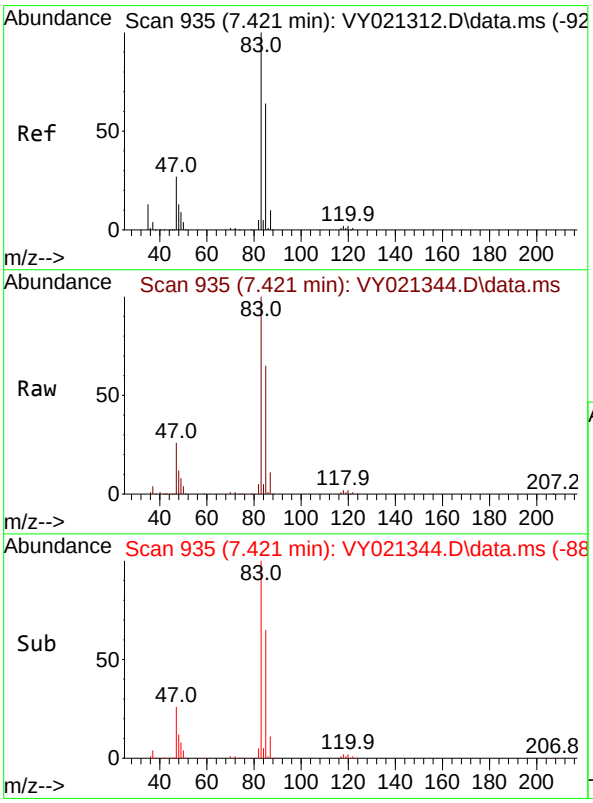
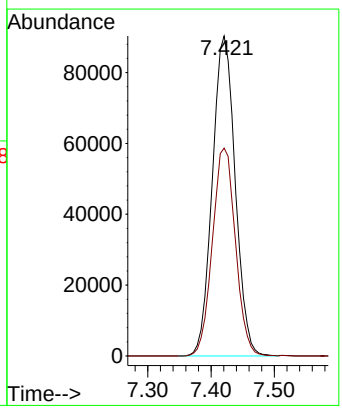
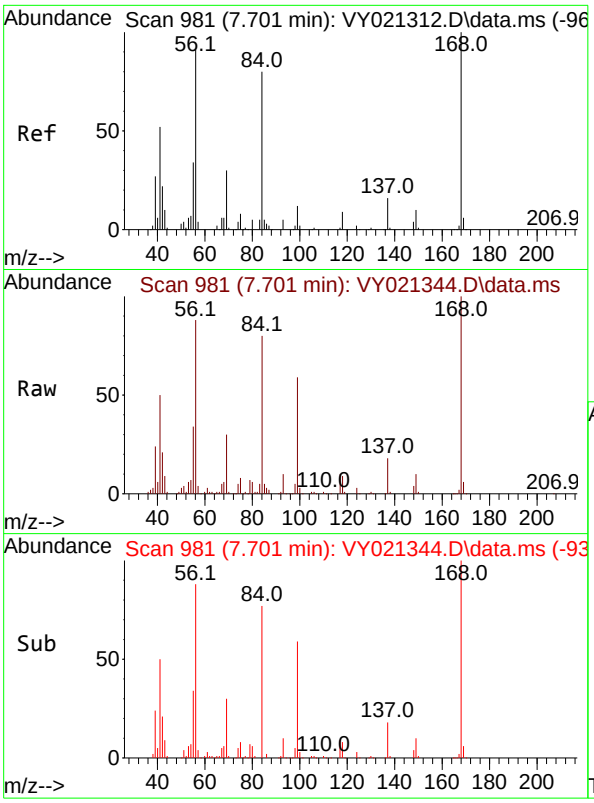


#30
Chloroform
Concen: 51.443 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 226821

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4





#31
Cyclohexane
Concen: 44.101 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 56 Resp: 18446

Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.2	39.4
84	89.5	70.2	105.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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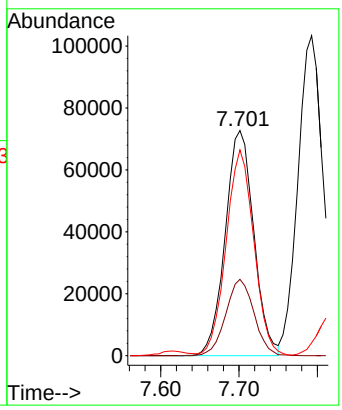
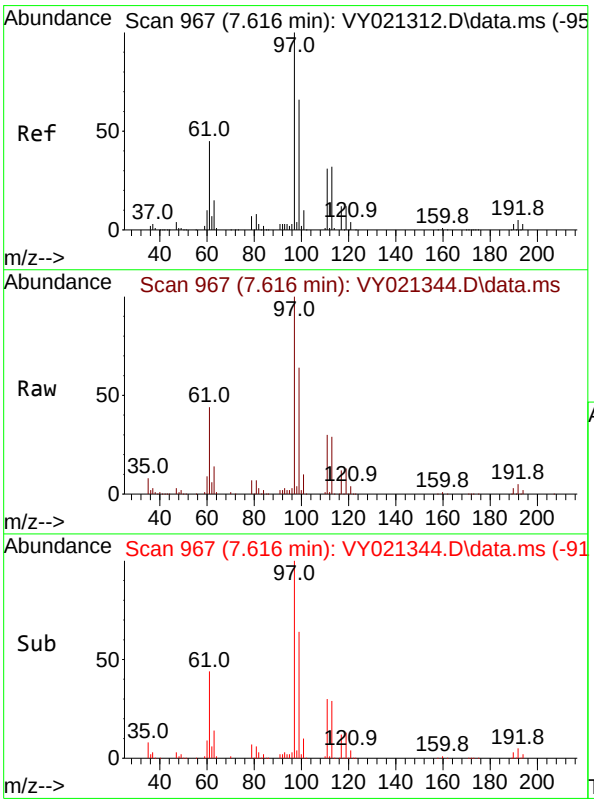
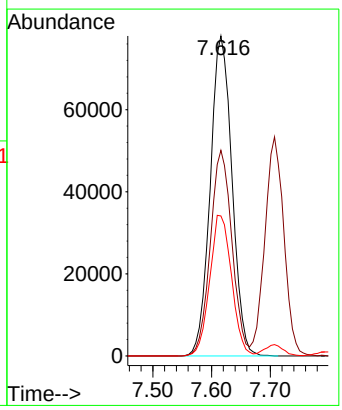


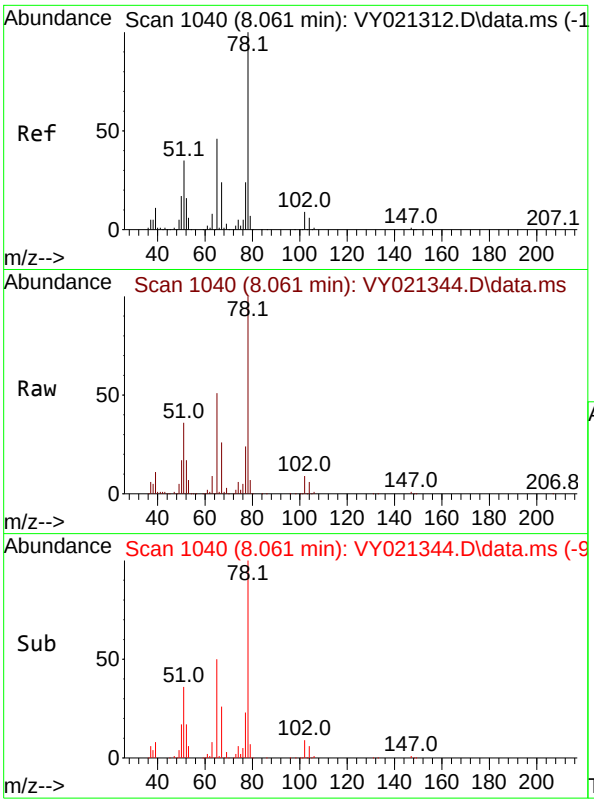


#32
1,1,1-Trichloroethane
Concen: 49.940 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 97 Resp: 200425

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.4	78.6
61	44.2	36.2	54.2

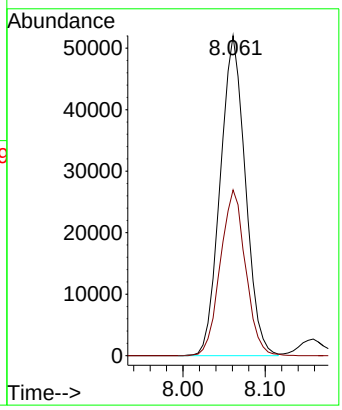




#33
1,2-Dichloroethane-d4
Concen: 46.619 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 65 Resp: 11060

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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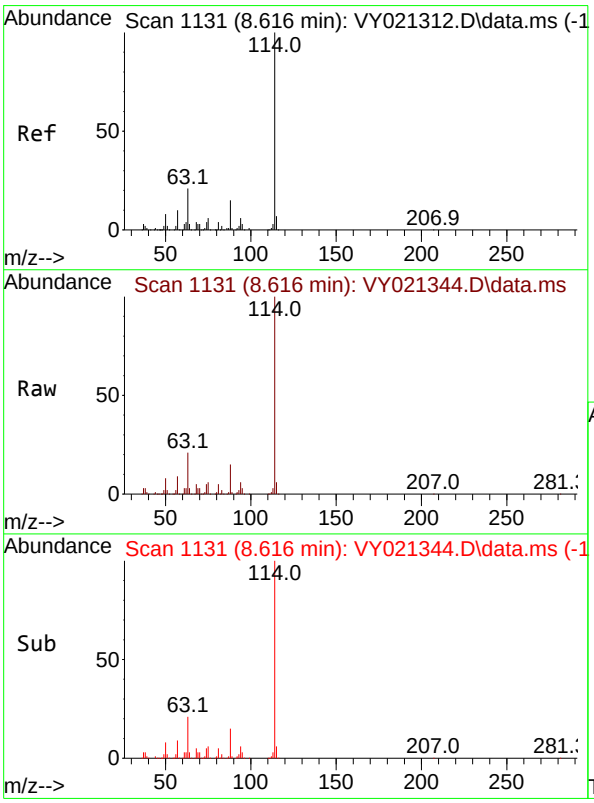
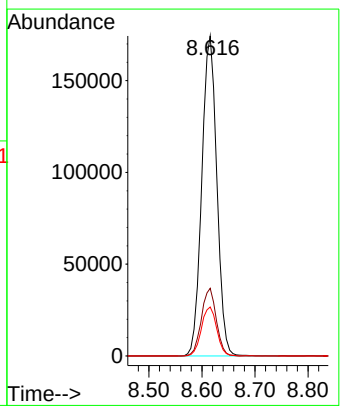
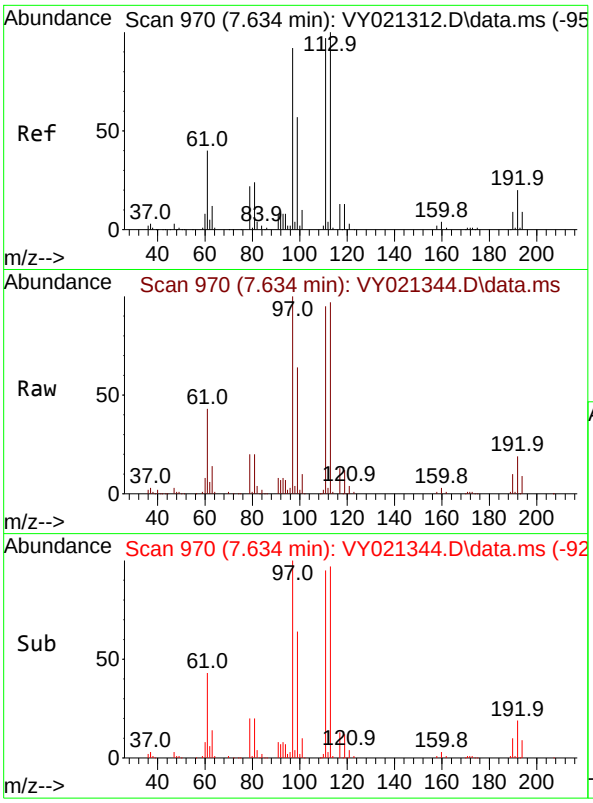


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:114 Resp: 343428

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.2
88	15.3	0.0	29.8

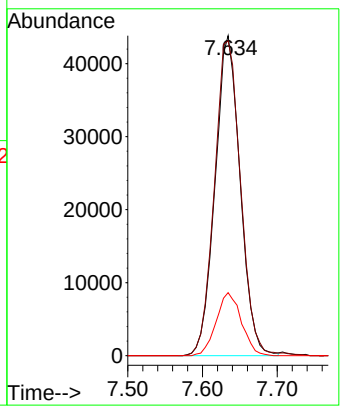




#35
Dibromofluoromethane
Concen: 45.429 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:113 Resp: 10228

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.6
192	19.8	15.8	23.8



Instrument :
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ClientSampleId :
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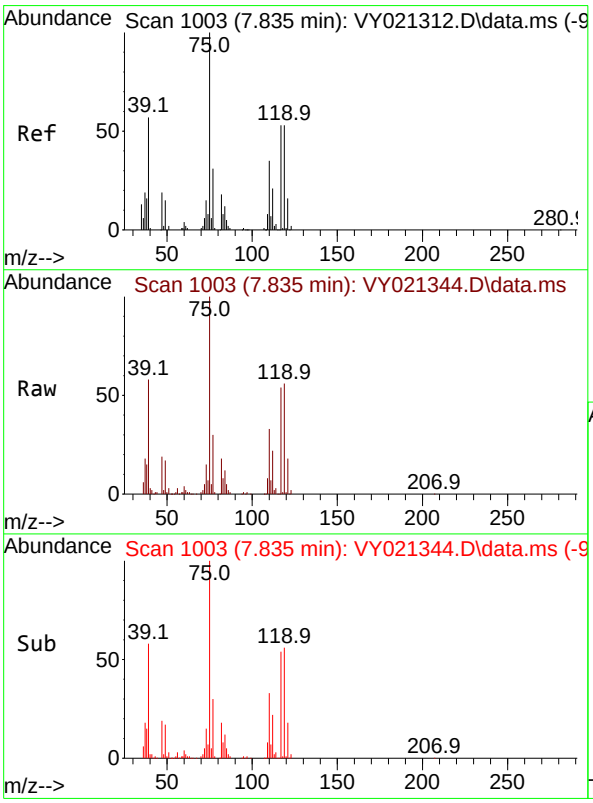
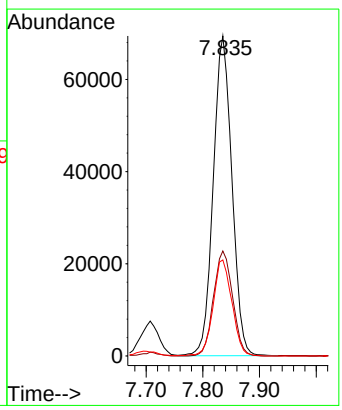
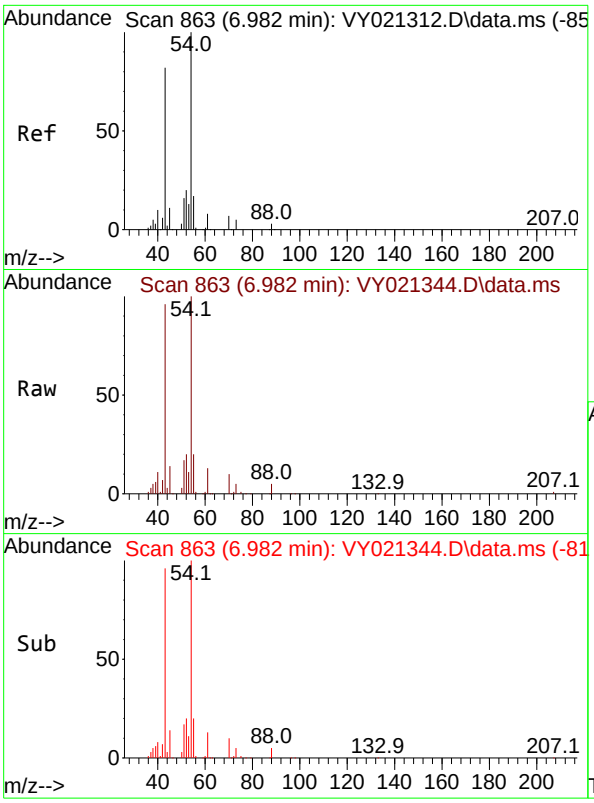


#36
1,1-Dichloropropene
Concen: 46.928 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 158713

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	30.3	24.6	36.8





#37
Ethyl Acetate
Concen: 48.999 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 8243

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	10.0	7.5	11.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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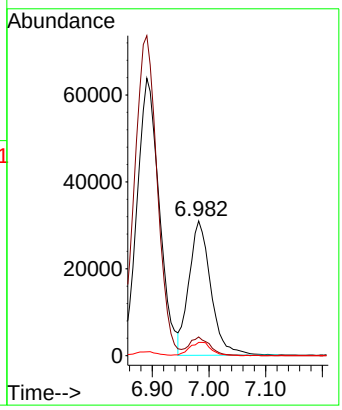
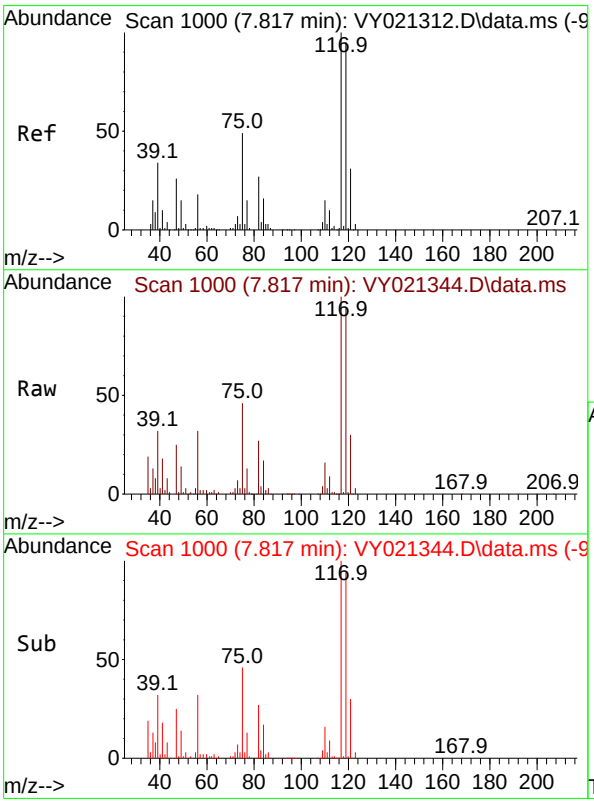
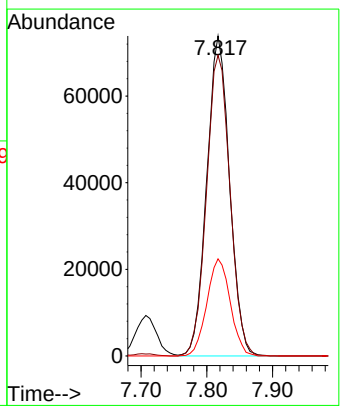


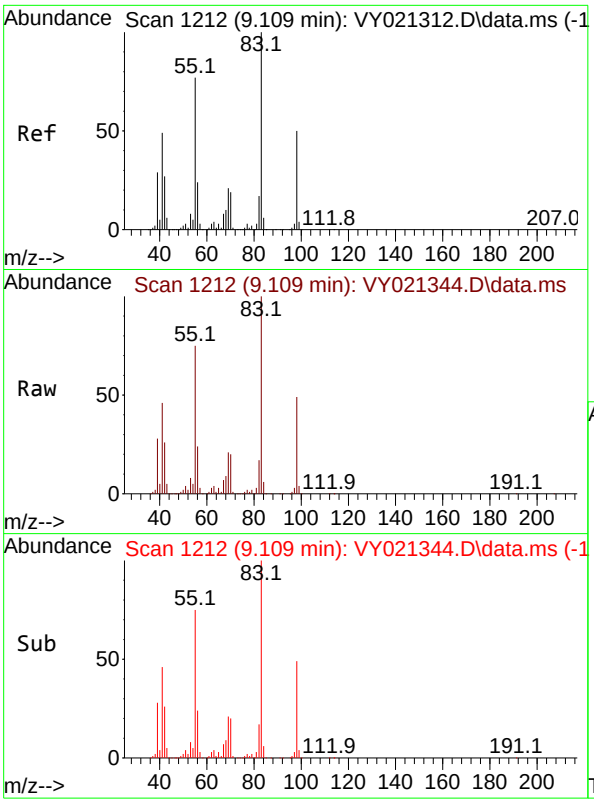


#38
Carbon Tetrachloride
Concen: 46.933 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 178448

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.0	114.0
121	30.4	24.9	37.3





#39
Methylcyclohexane
Concen: 44.707 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 19124

Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.3	91.9
98	49.0	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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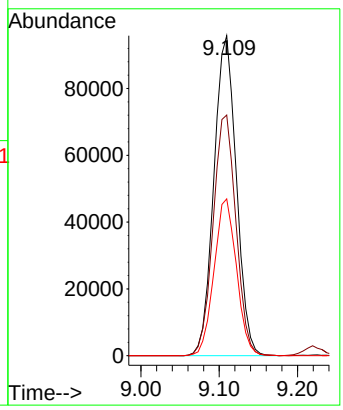
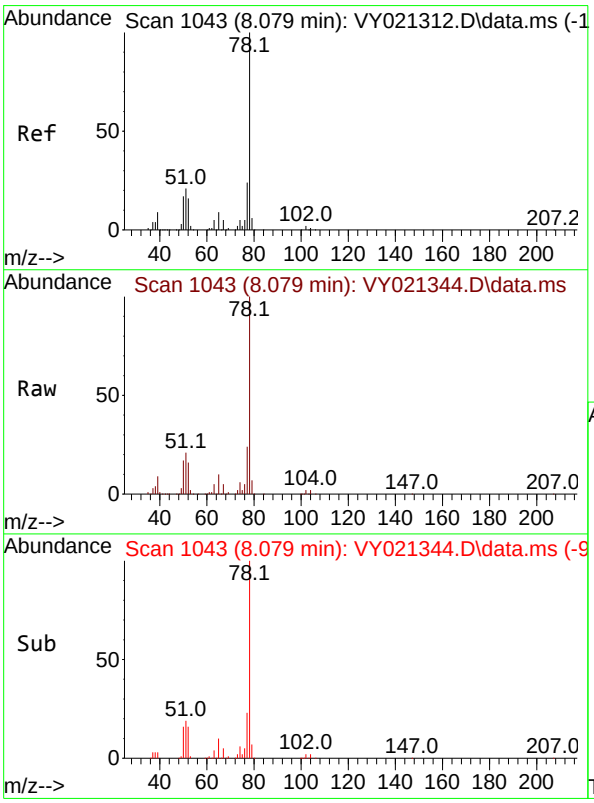
Supervised By :Mahesh Dadoda 02/27/2025

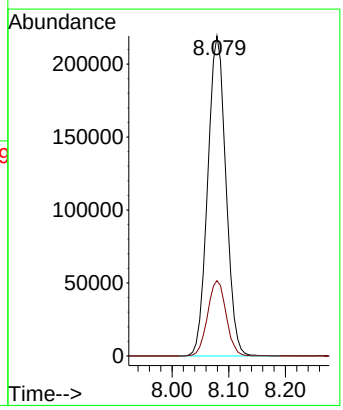


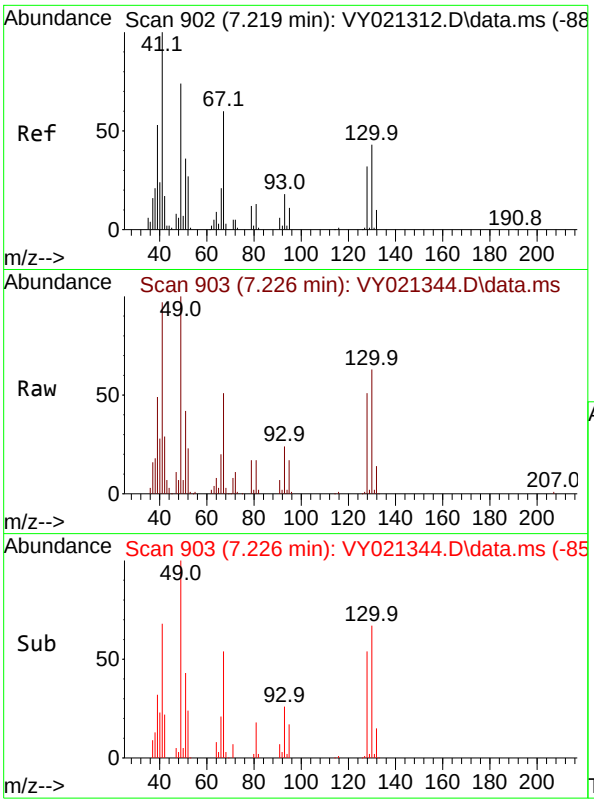


#40
Benzene
Concen: 48.823 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 78 Resp: 488113

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8

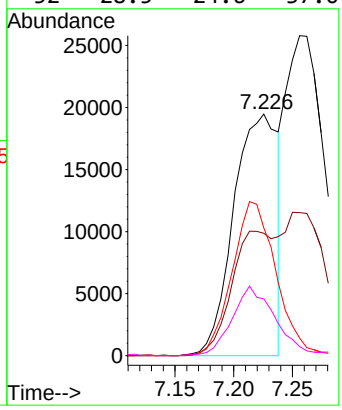




#41
Methacrylonitrile
Concen: 54.039 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 5083

Ion	Ratio	Lower	Upper
41	100		
39	46.4	42.3	63.5
67	63.7	54.8	82.2
52	28.5	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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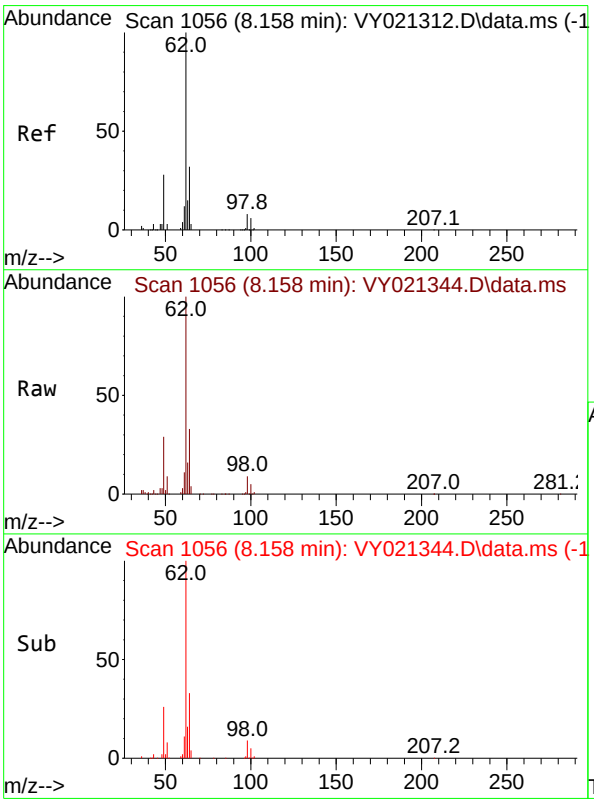
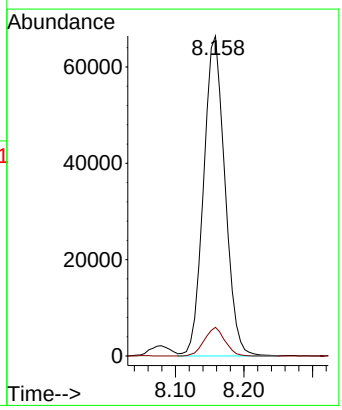
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

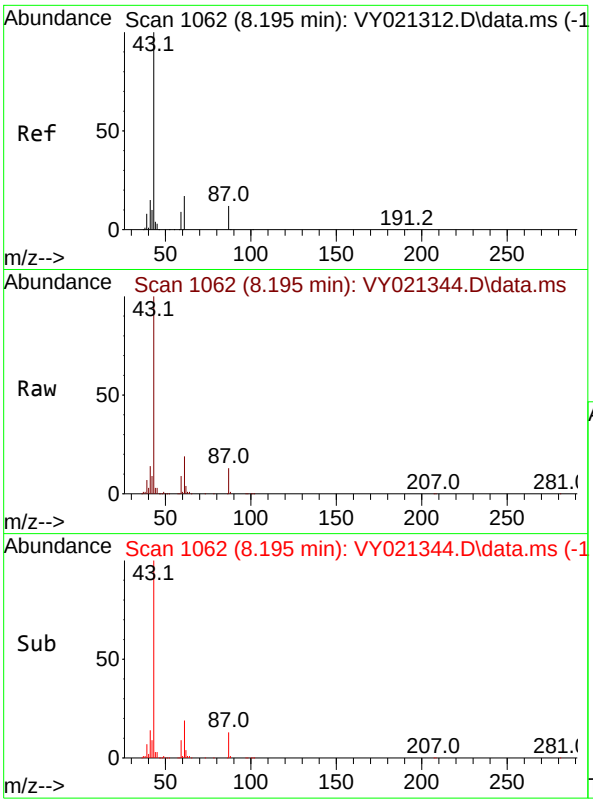


#42
1,2-Dichloroethane
Concen: 50.672 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 62 Resp: 143731

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6

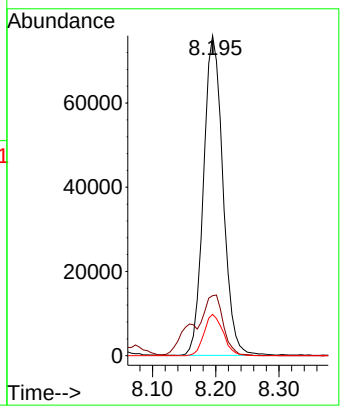




#43
Isopropyl Acetate
Concen: 49.861 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 16236

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.0	22.6
87	12.7	10.0	15.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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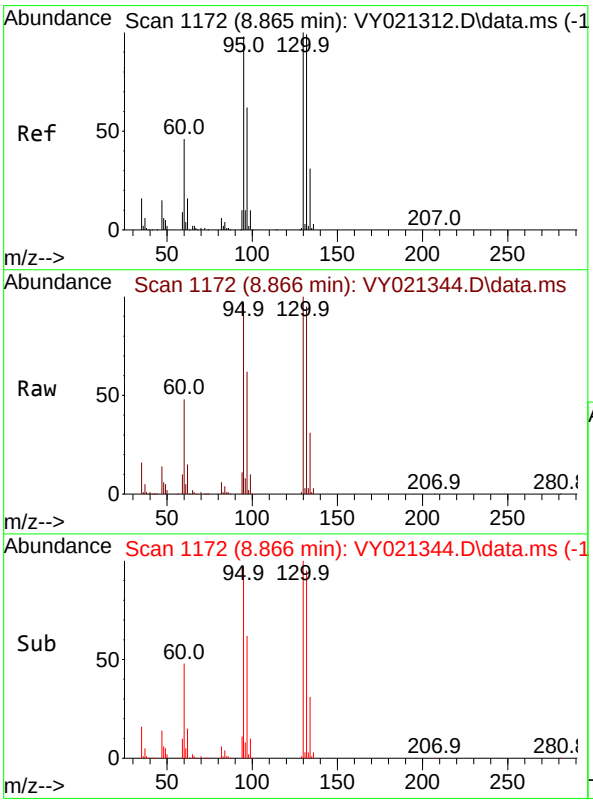
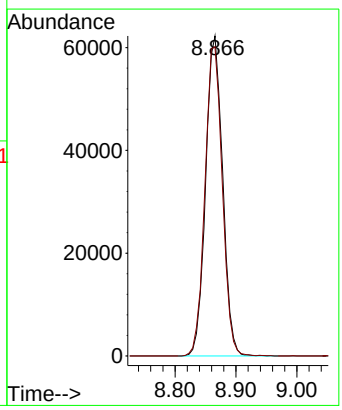
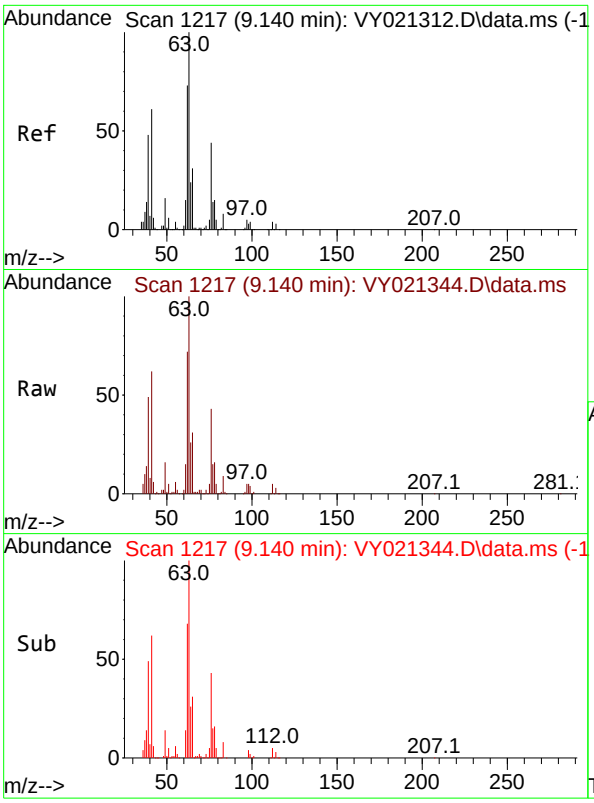


#44
Trichloroethene
Concen: 48.271 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:130 Resp: 120825

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	196.0





#45
1,2-Dichloropropane
Concen: 48.736 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 11725

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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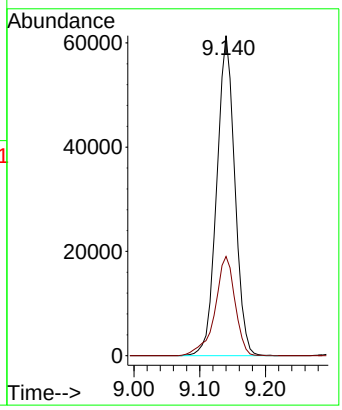
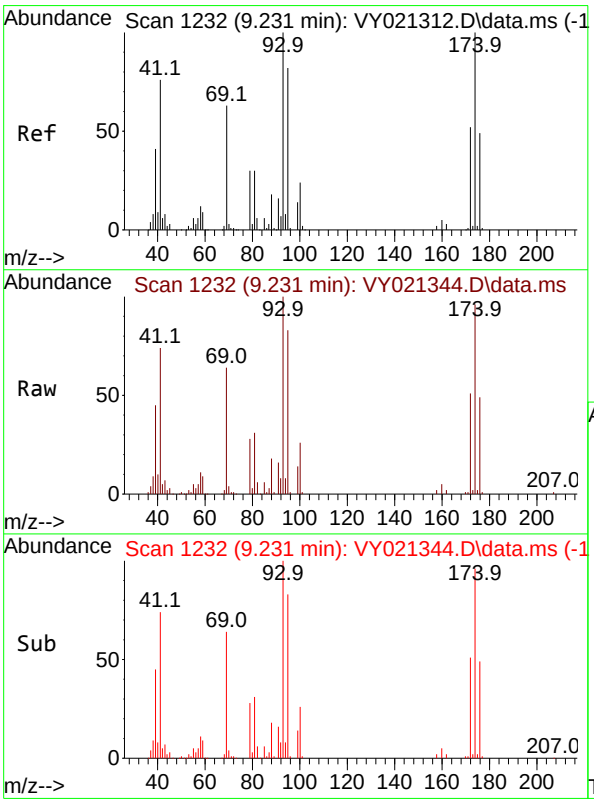
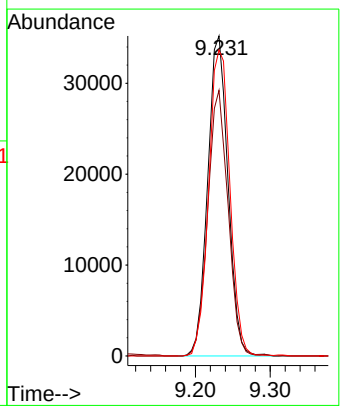


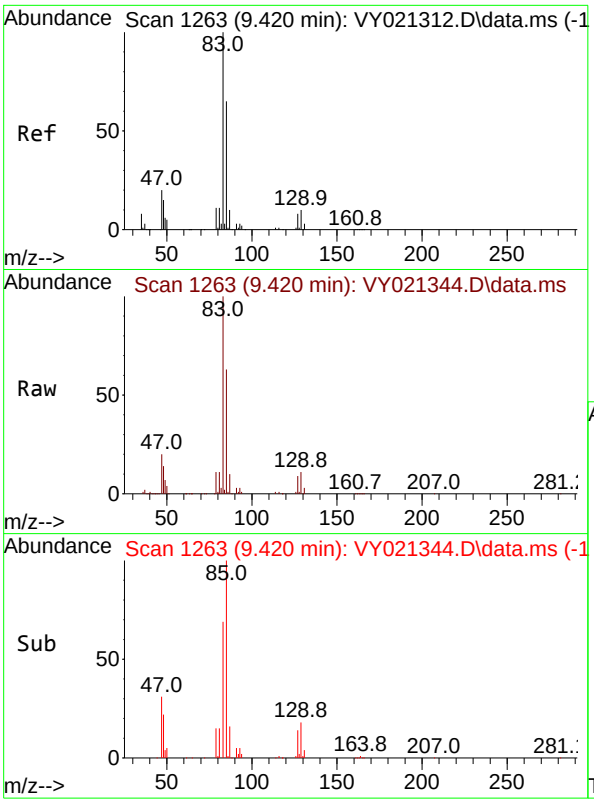


#46
Dibromomethane
Concen: 50.499 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 93 Resp: 66414

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	100.3	78.2	117.2

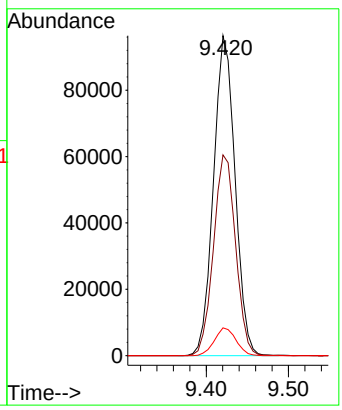




#47
Bromodichloromethane
Concen: 50.086 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 17563

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.8
127	8.7	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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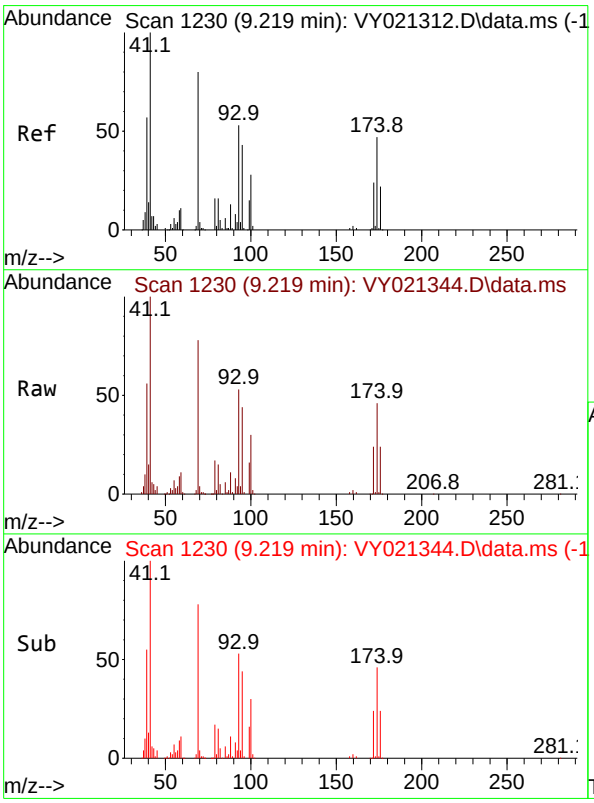
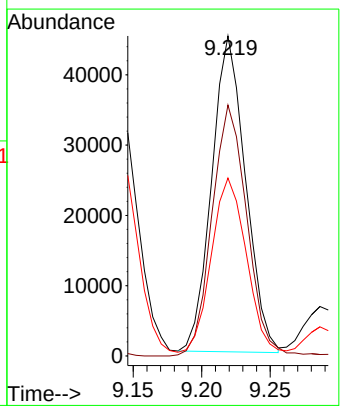
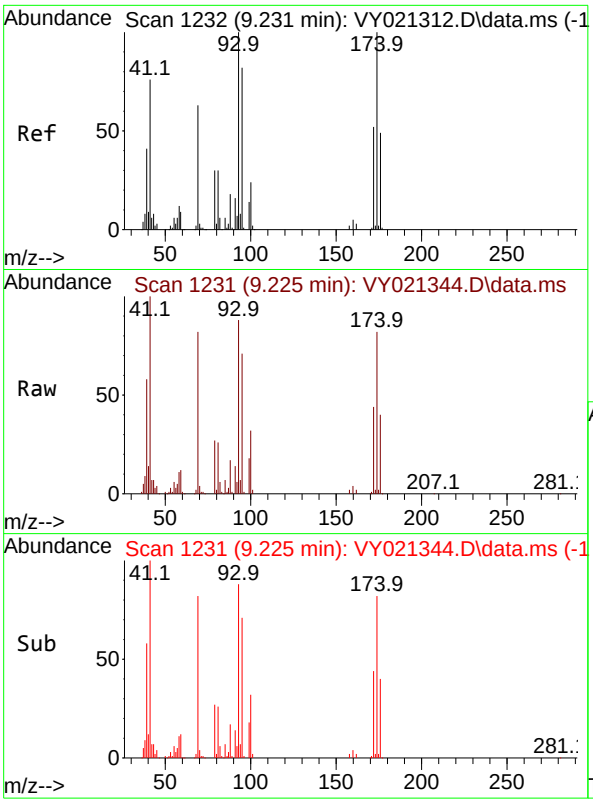


#48
Methyl methacrylate
Concen: 50.619 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 77080

Ion	Ratio	Lower	Upper
41	100		
69	82.7	63.3	94.9
39	57.1	45.0	67.6





#49
1,4-Dioxane
Concen: 1015.844 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 88 Resp: 1485

Ion	Ratio	Lower	Upper
88	100		
43	34.7	34.8	52.2
58	72.1	59.8	89.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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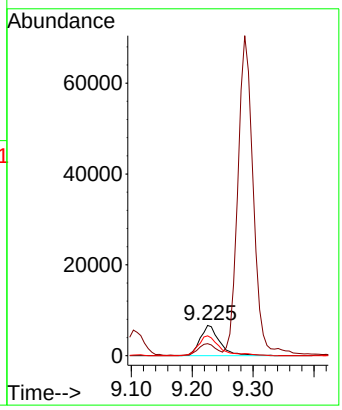
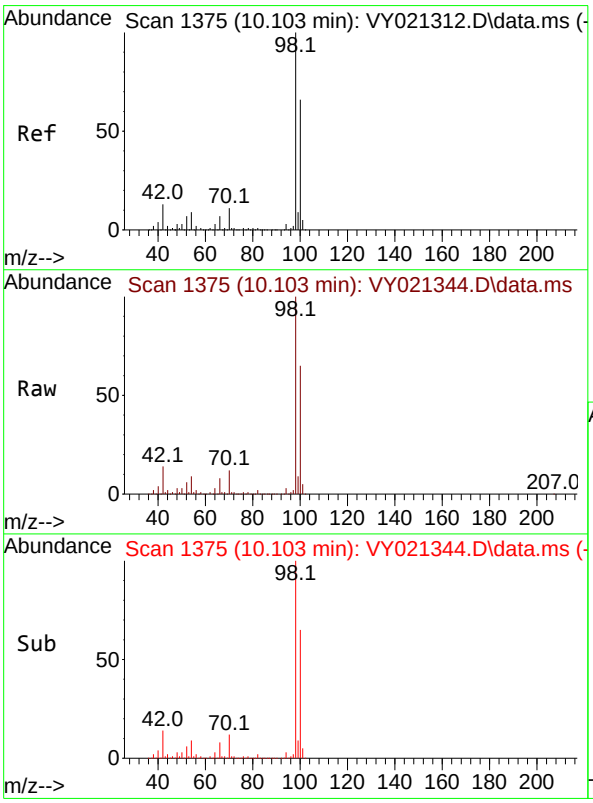
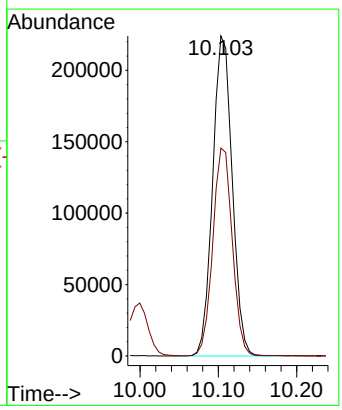


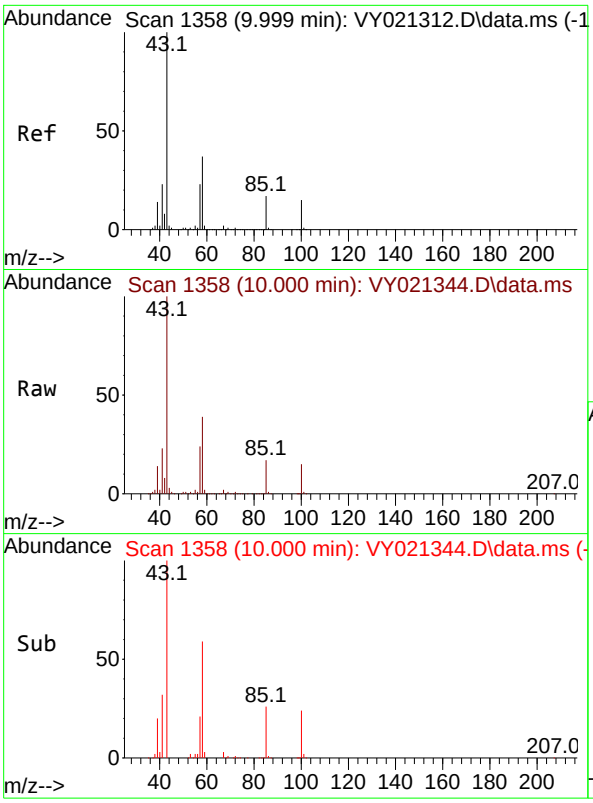


#50
Toluene-d8
Concen: 44.650 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 98 Resp: 388525

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6

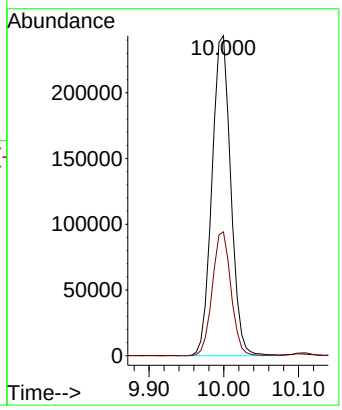




#51
4-Methyl-2-Pentanone
Concen: 254.988 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 42503

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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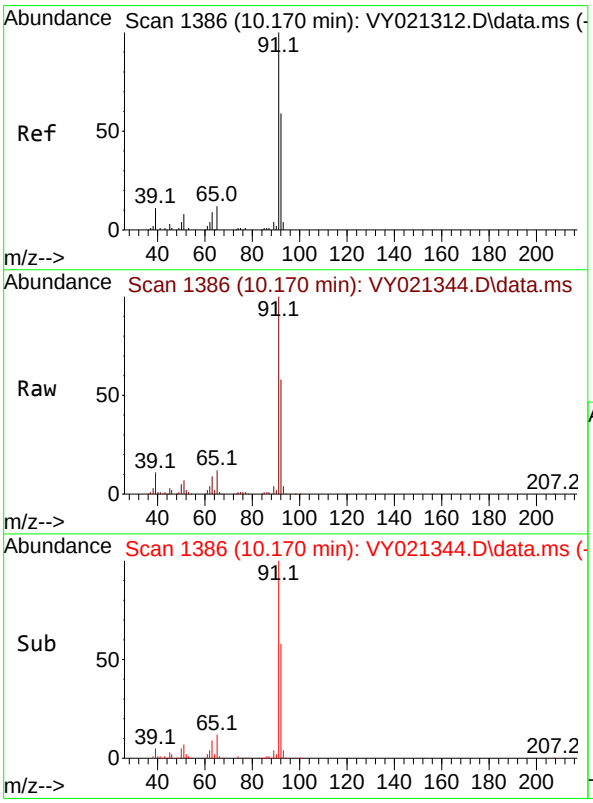
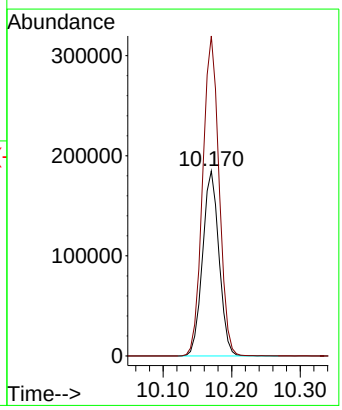
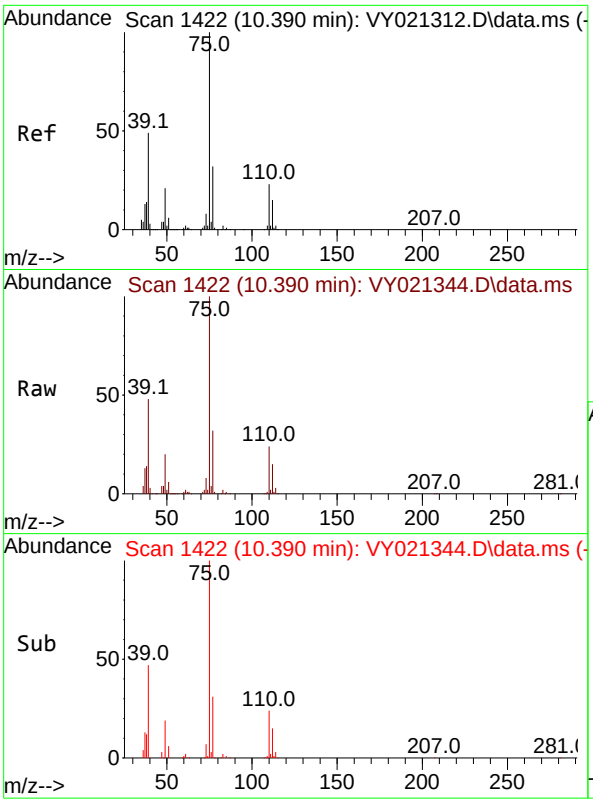


#52
Toluene
Concen: 49.585 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 92 Resp: 307967

Ion	Ratio	Lower	Upper
92	100		
91	173.1	137.8	206.8

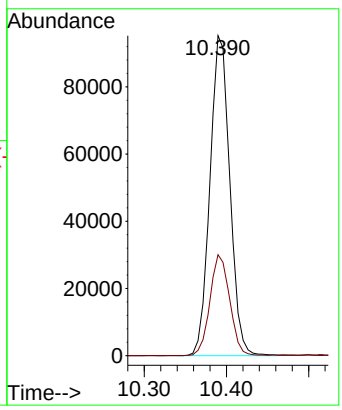




#53
t-1,3-Dichloropropene
Concen: 49.701 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 15967

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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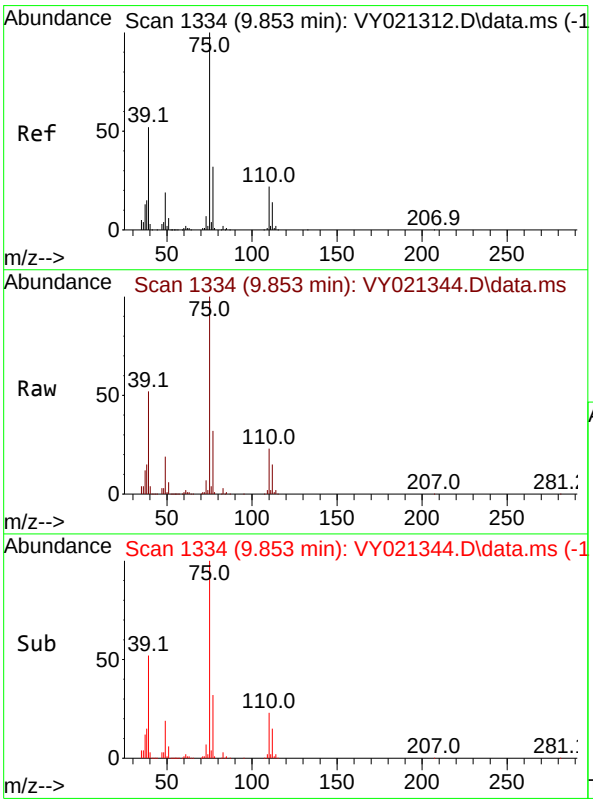
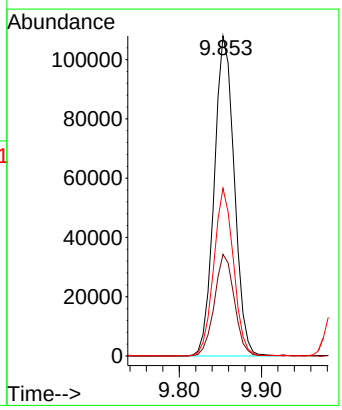
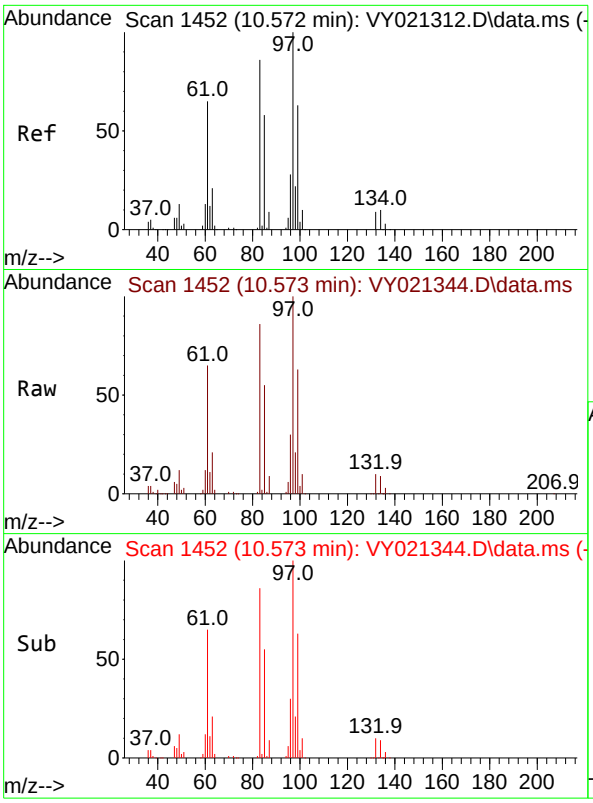


#54
cis-1,3-Dichloropropene
Concen: 48.340 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 183344

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	52.3	41.8	62.6

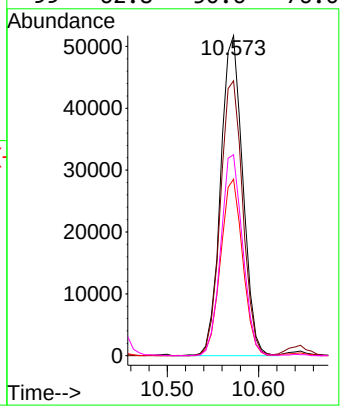




#55
1,1,2-Trichloroethane
Concen: 50.858 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 97 Resp: 8713

Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.7	103.1
85	55.1	46.3	69.5
99	62.8	50.6	76.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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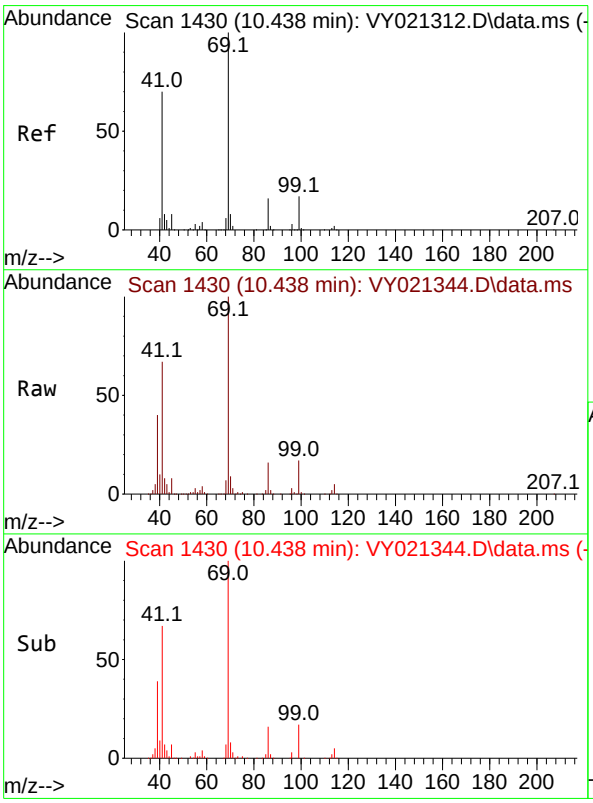
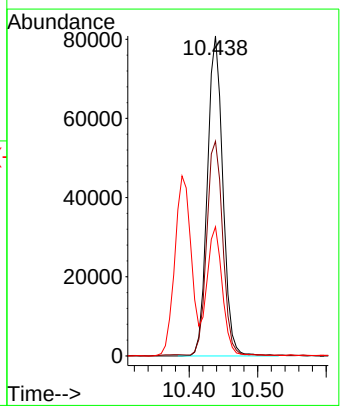
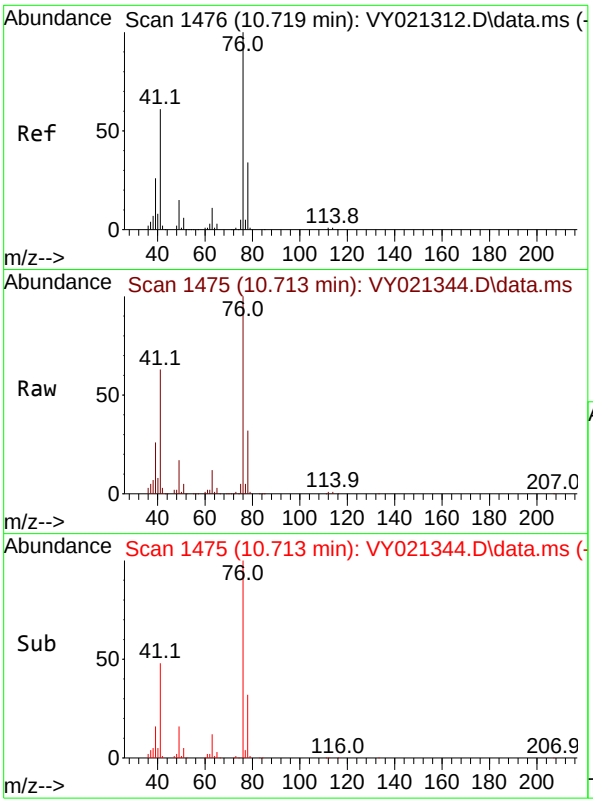


#56
Ethyl methacrylate
Concen: 53.738 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 69 Resp: 127215

Ion	Ratio	Lower	Upper
69	100		
41	68.8	56.2	84.4
39	40.0	32.7	49.1





#57
1,3-Dichloropropane
Concen: 50.818 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 76 Resp: 15278

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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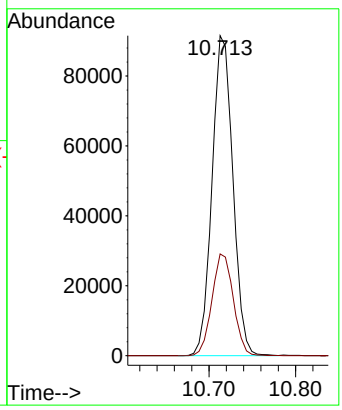
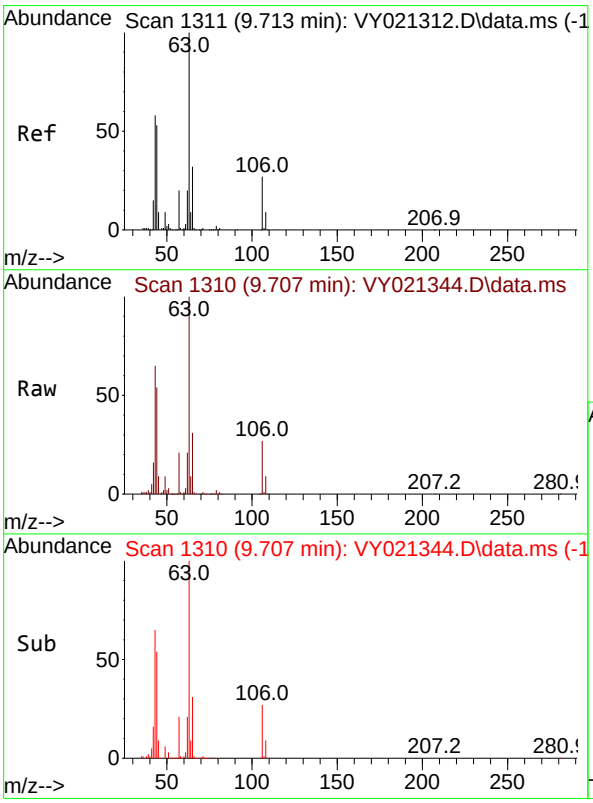
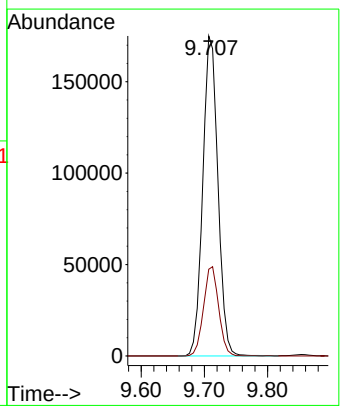


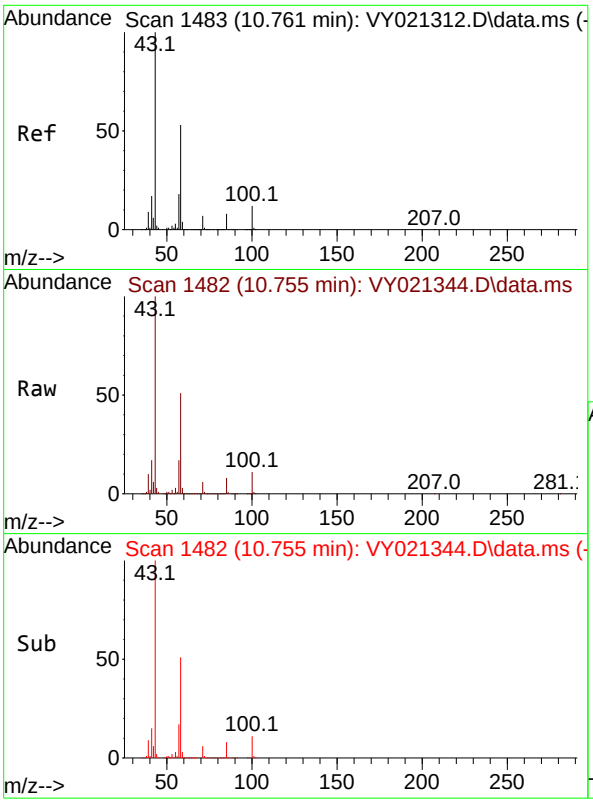


#58
2-Chloroethyl Vinyl ether
Concen: 257.068 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 292101

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.7	32.5





#59
2-Hexanone
Concen: 260.462 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 28513

Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.9	77.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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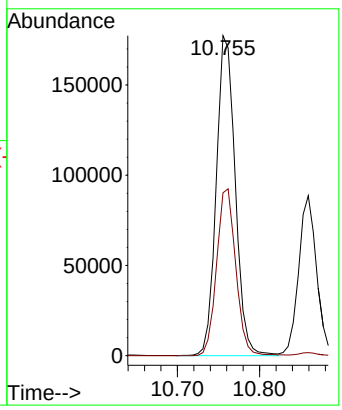
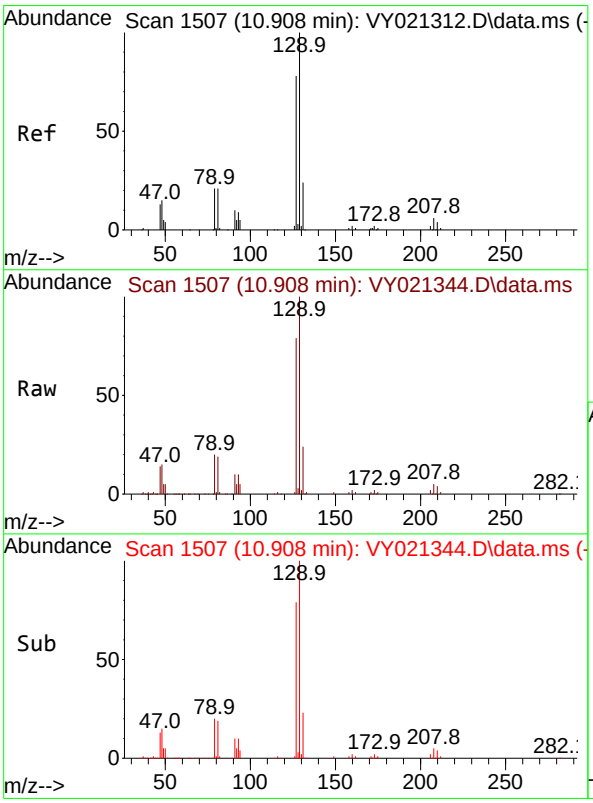
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

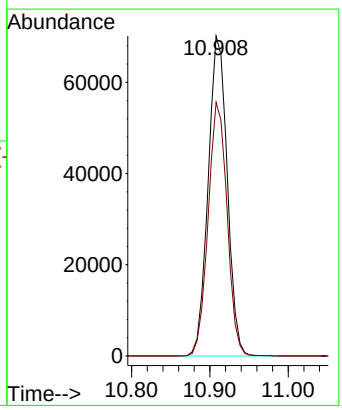


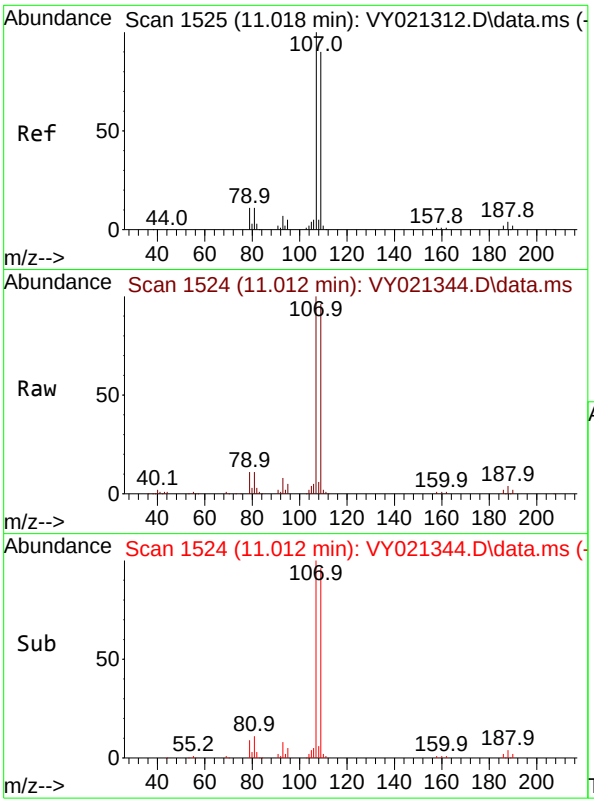


#60
Dibromochloromethane
Concen: 50.788 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:129 Resp: 118508

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.8	116.4





#61
1,2-Dibromoethane
Concen: 50.586 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:107 Resp: 8205

Ion	Ratio	Lower	Upper
107	100		
109	94.7	73.8	110.8

Instrument :
MSVOA_Y
ClientSampleId :
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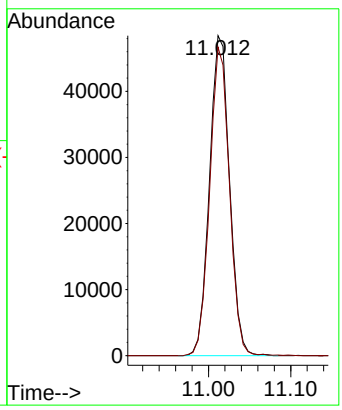
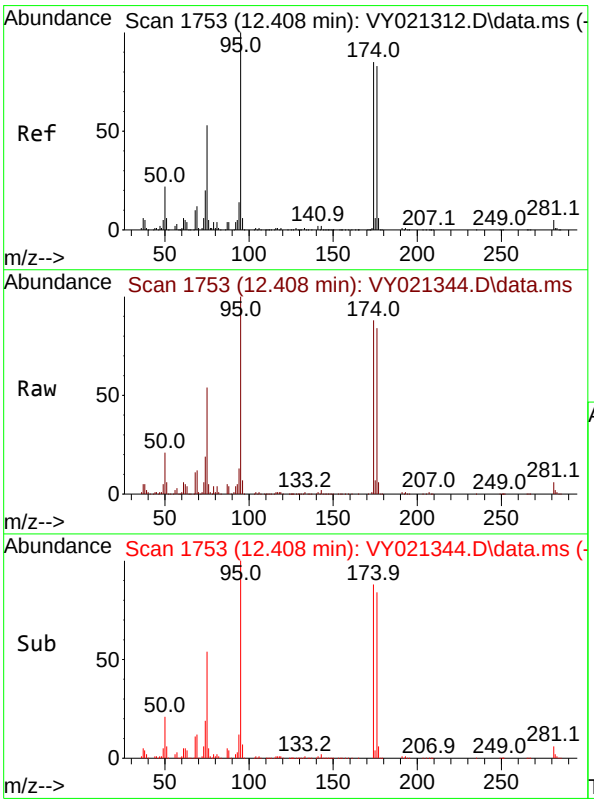
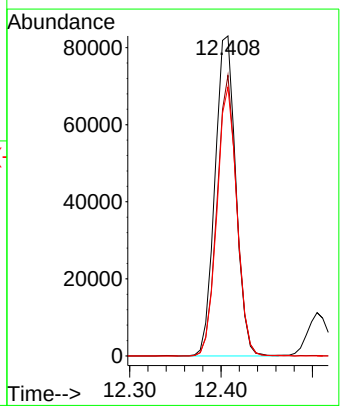


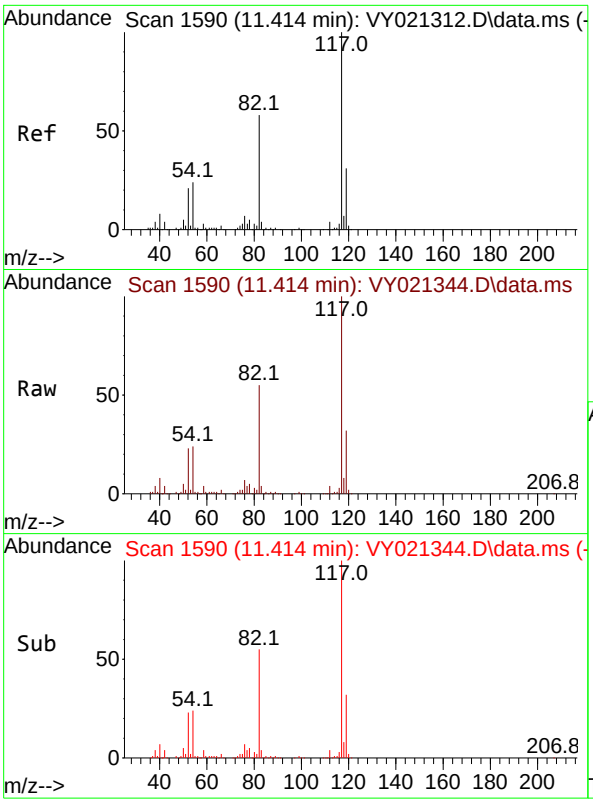


#62
4-Bromofluorobenzene
Concen: 44.933 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 95 Resp: 131584

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	168.0
176	80.5	0.0	162.6

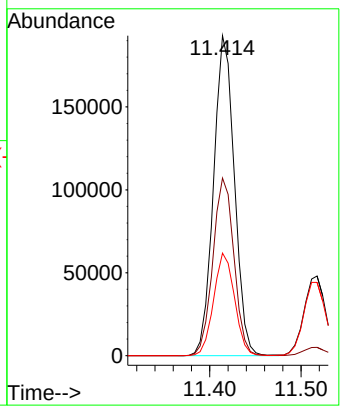




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 30596

Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.2	69.4
119	32.0	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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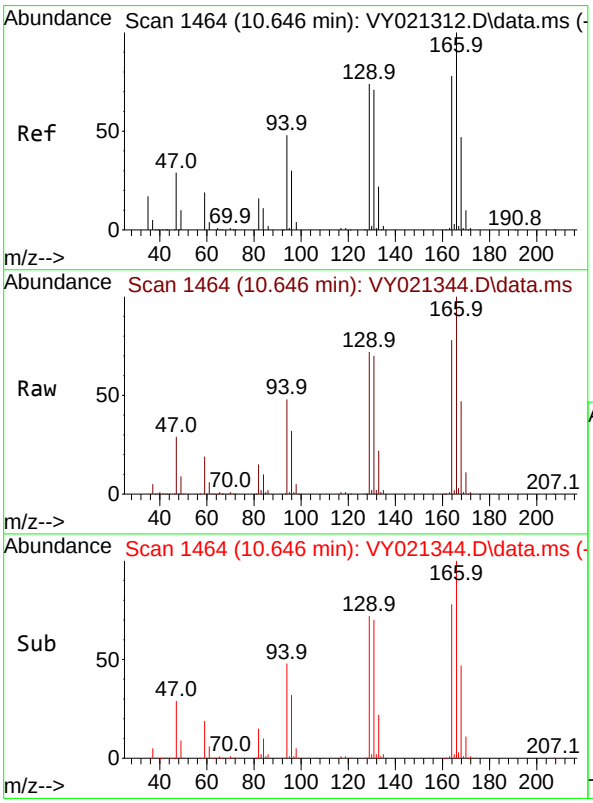
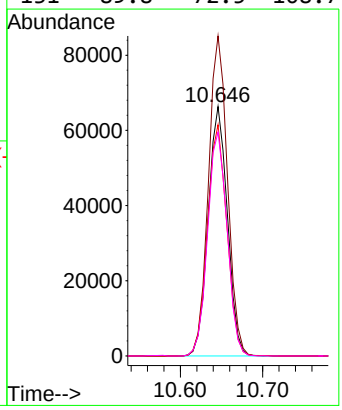
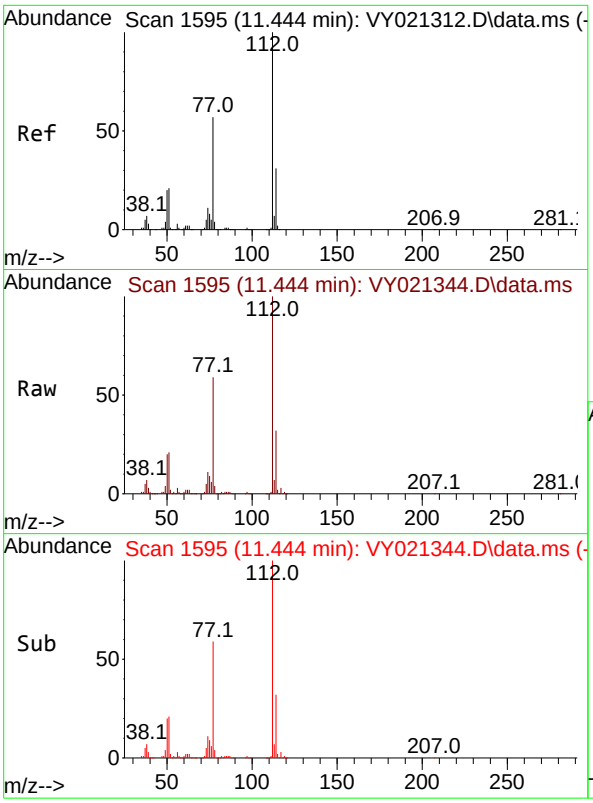


#64
Tetrachloroethene
Concen: 46.783 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:164 Resp: 108193

Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.9	152.9
129	92.7	75.5	113.3
131	89.8	72.5	108.7

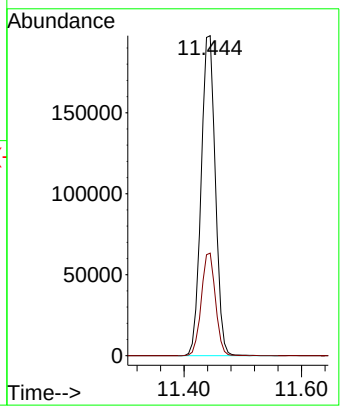




#65
Chlorobenzene
Concen: 48.330 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:112 Resp: 33193

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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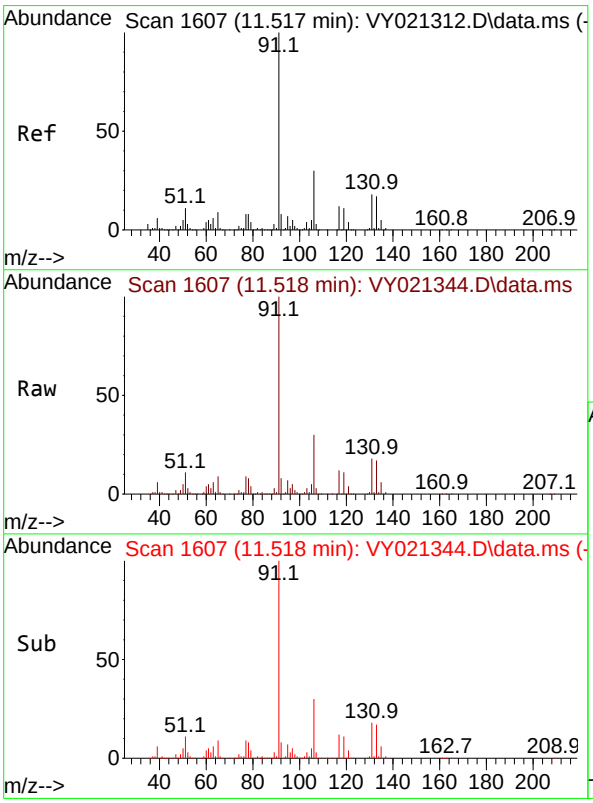
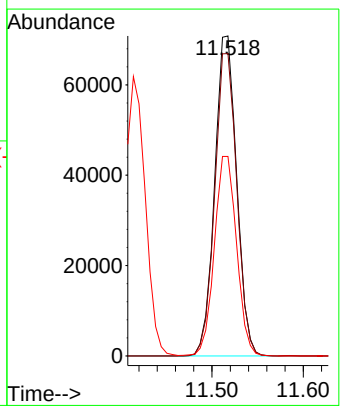
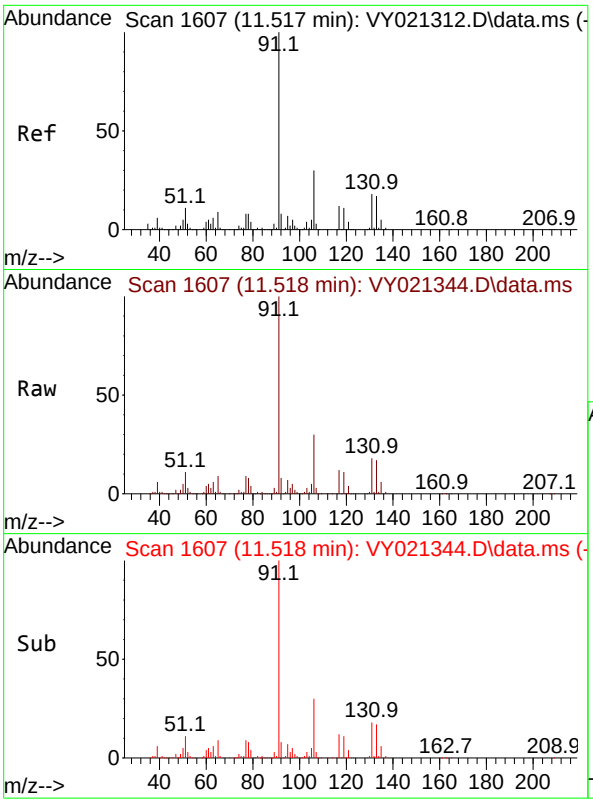


#66
1,1,1,2-Tetrachloroethane
Concen: 49.313 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:131 Resp: 118595

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.9	143.6
119	63.2	31.7	95.1

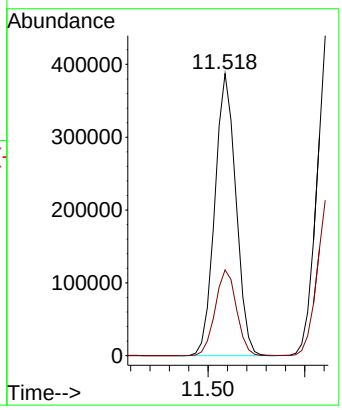




#67
Ethyl Benzene
Concen: 48.106 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 58523

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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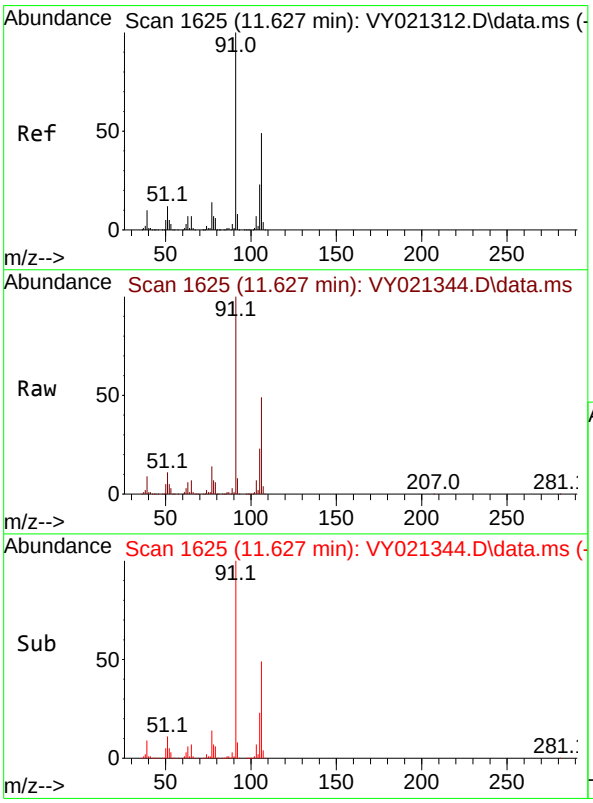
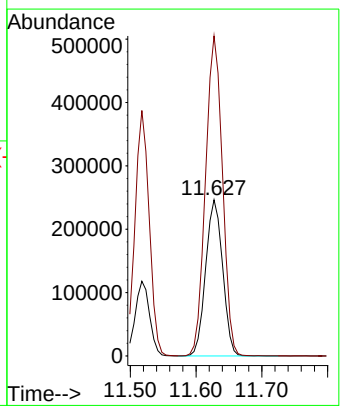
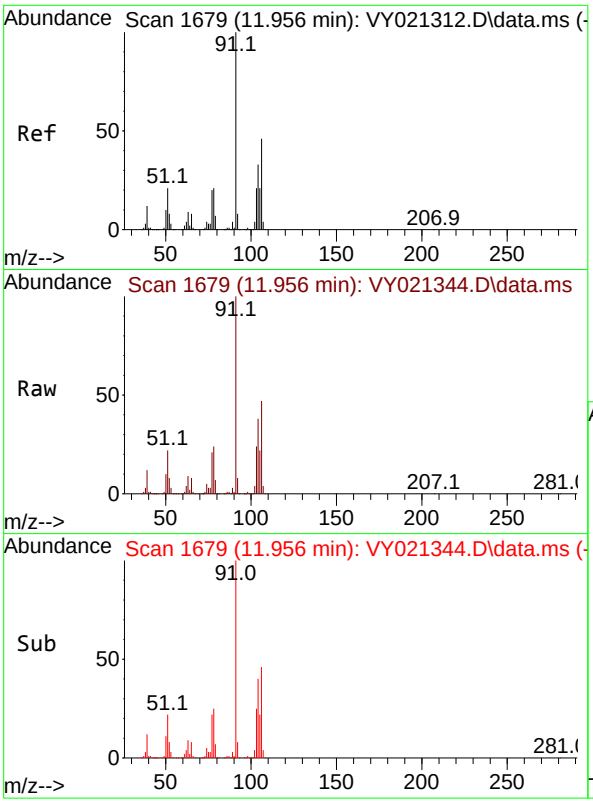


#68
m/p-Xylenes
Concen: 96.556 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:106 Resp: 441830

Ion	Ratio	Lower	Upper
106	100		
91	205.2	163.9	245.9





#69
o-Xylene
Concen: 49.544 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:106 Resp: 21238

Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.1	324.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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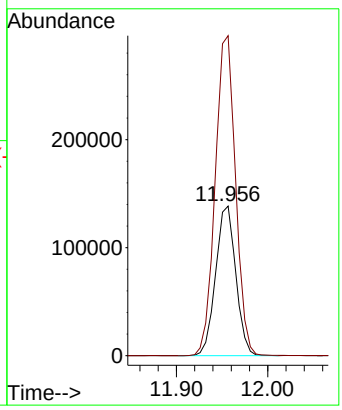
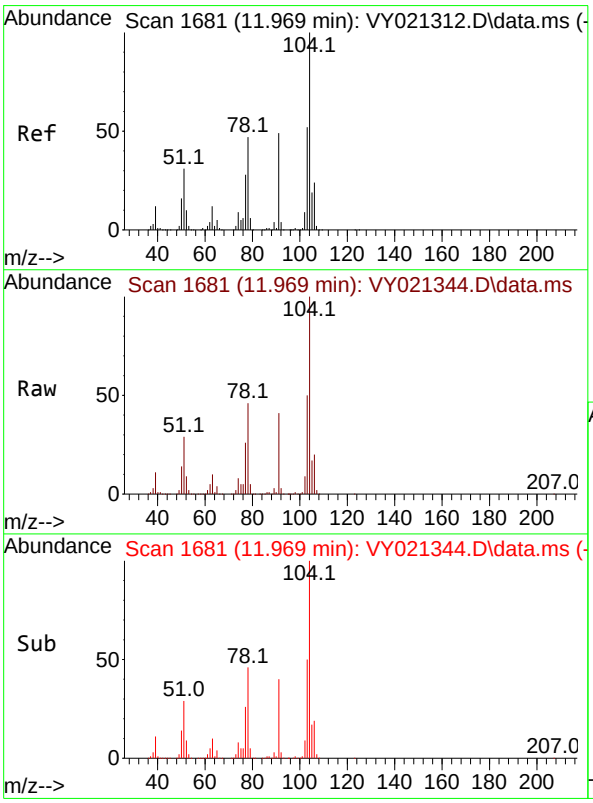
Supervised By :Mahesh Dadoda 02/27/2025

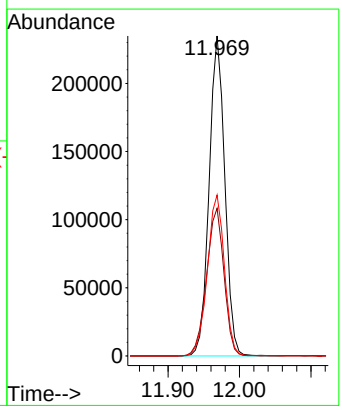


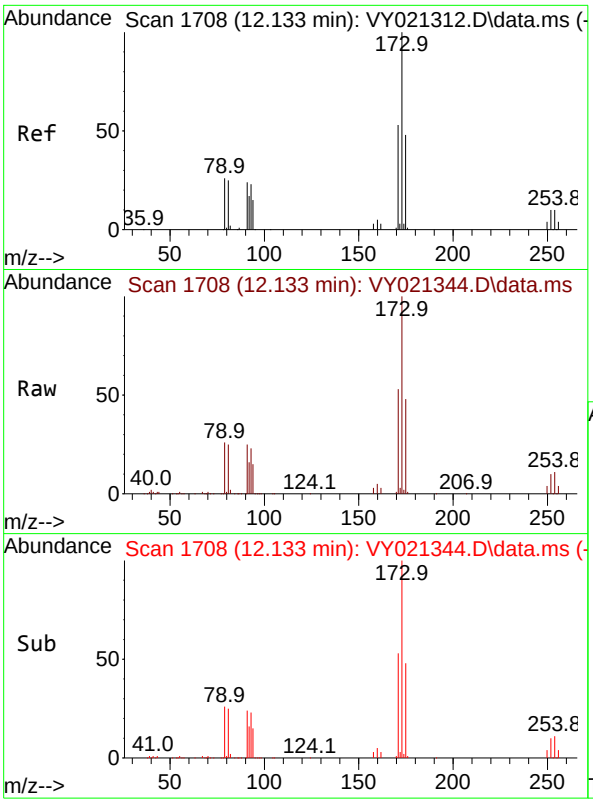


#70
Styrene
Concen: 50.170 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:104 Resp: 357830

Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.3	61.9
103	54.8	43.9	65.9

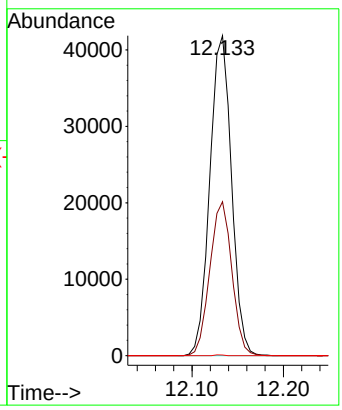




#71
Bromoform
Concen: 50.071 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:173 Resp: 6888

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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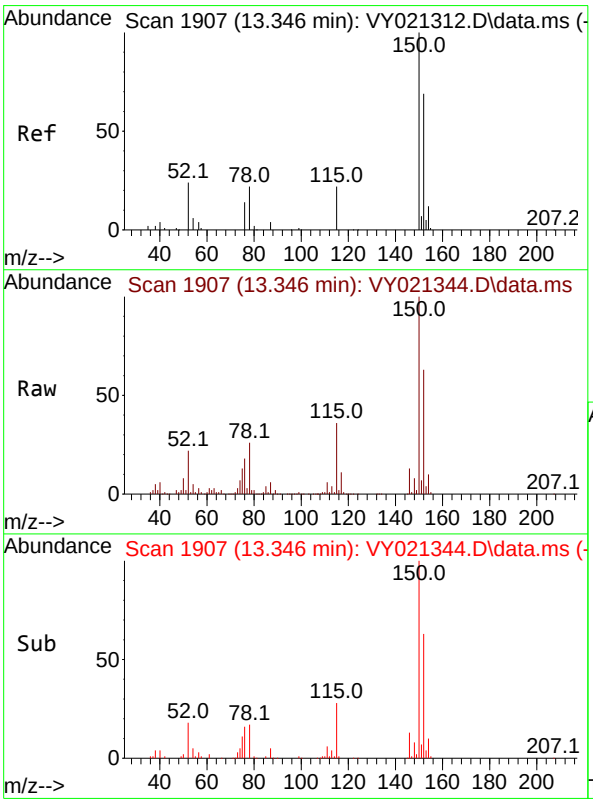
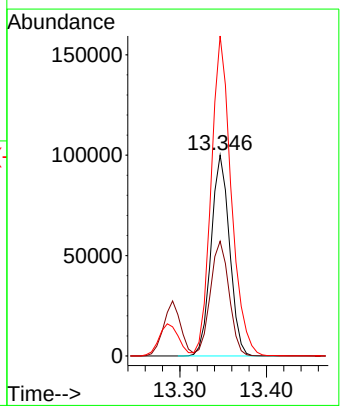
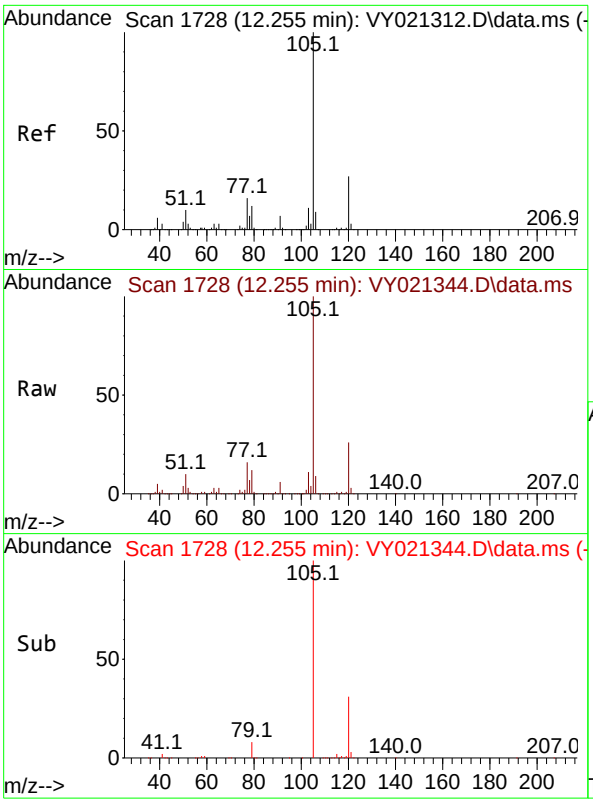


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:152 Resp: 148168

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.3	88.0
150	173.1	0.0	347.4

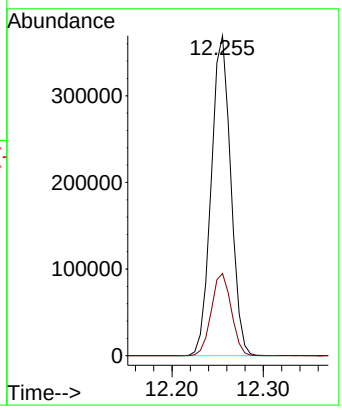




#73
Isopropylbenzene
Concen: 49.240 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 54849

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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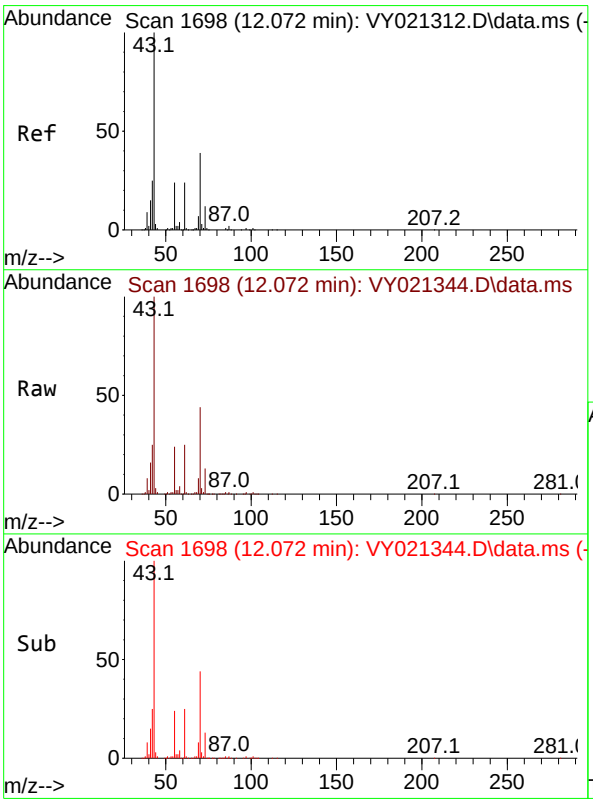
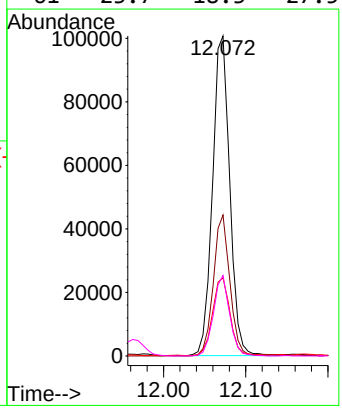
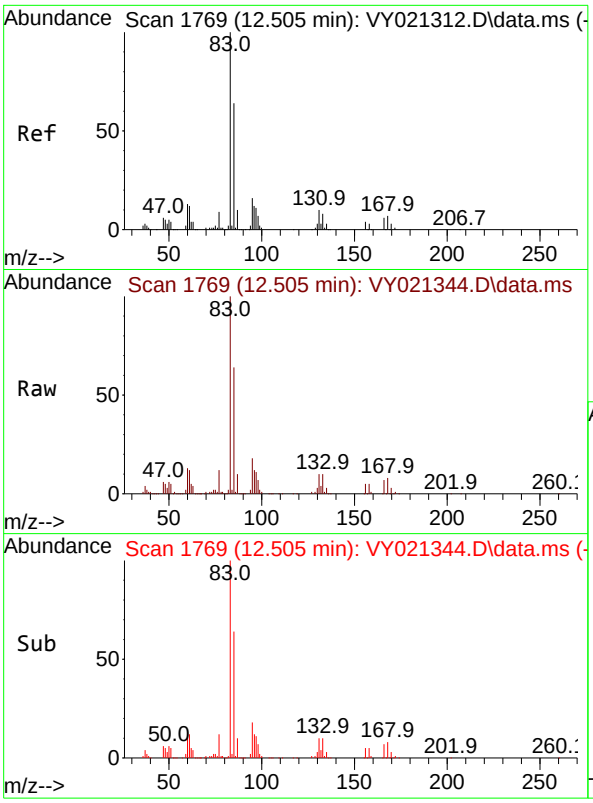


#74
N-amyl acetate
Concen: 51.825 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 146735

Ion	Ratio	Lower	Upper
43	100		
70	42.1	32.2	48.2
55	24.8	19.6	29.4
61	23.7	18.3	27.5

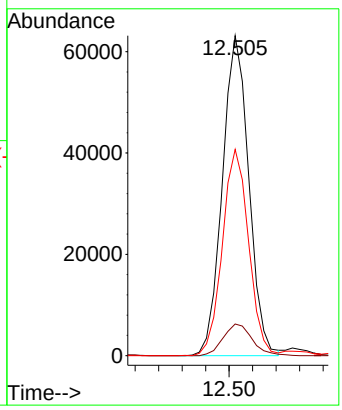




#75
1,1,2,2-Tetrachloroethane
Concen: 50.176 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 9864

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.2	15.6
85	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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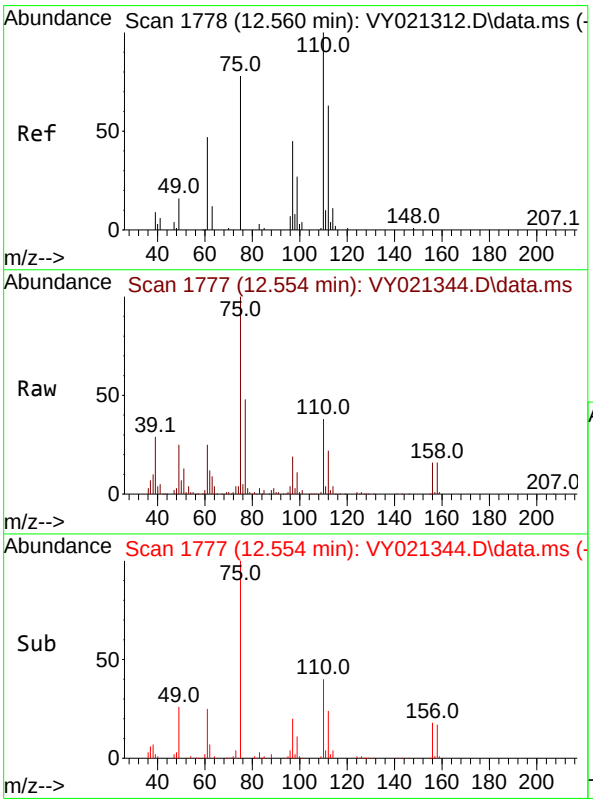
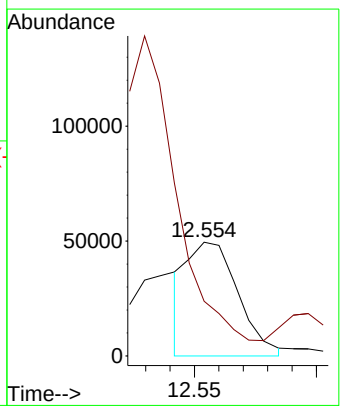
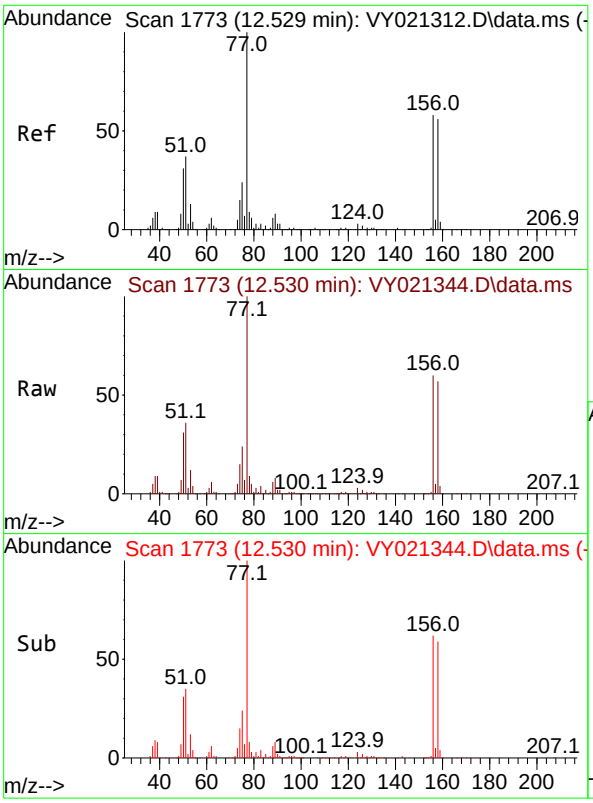


#76
1,2,3-Trichloropropane
Concen: 48.754 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 72307

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

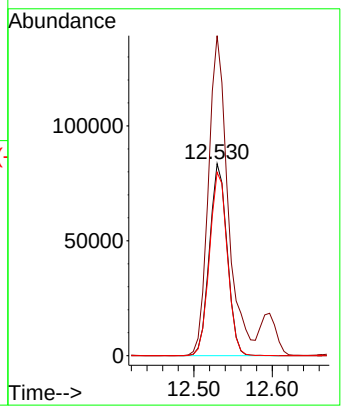




#77
Bromobenzene
Concen: 50.469 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:156 Resp: 13076

Ion	Ratio	Lower	Upper
156	100		
77	184.7	94.0	282.1
158	96.6	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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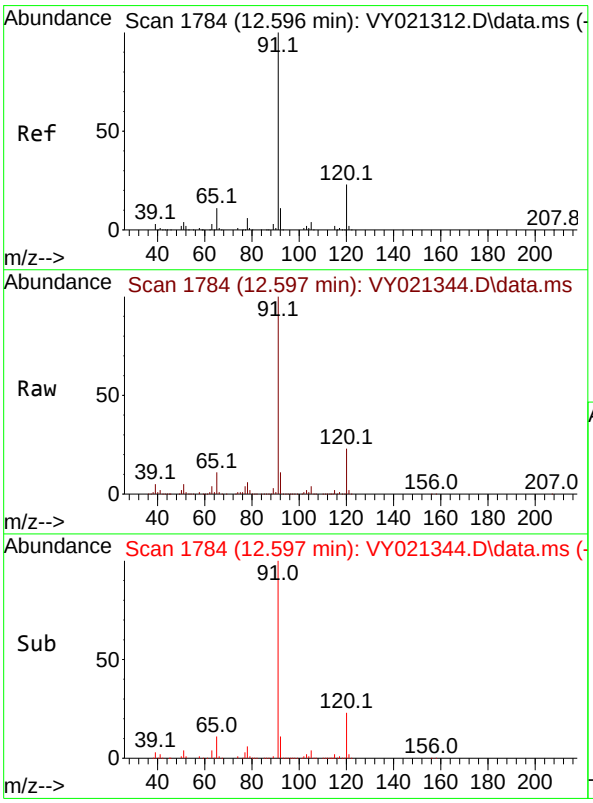
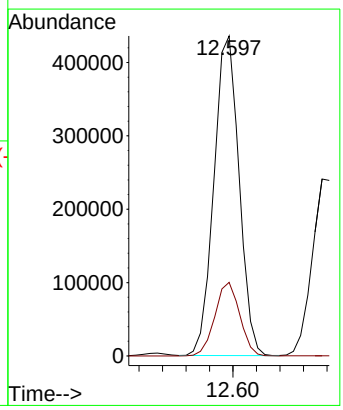
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

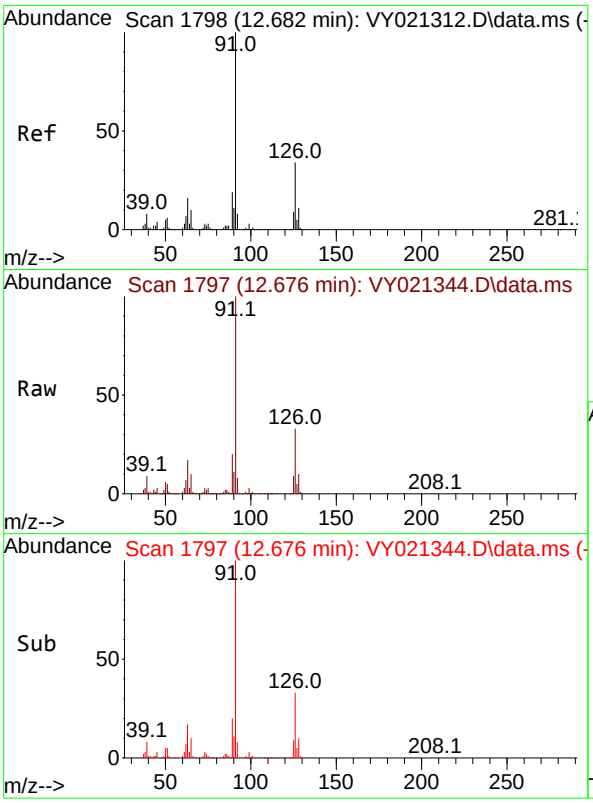


#78
n-propylbenzene
Concen: 47.897 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 647434

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.5





#79
2-Chlorotoluene
Concen: 49.187 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 38156

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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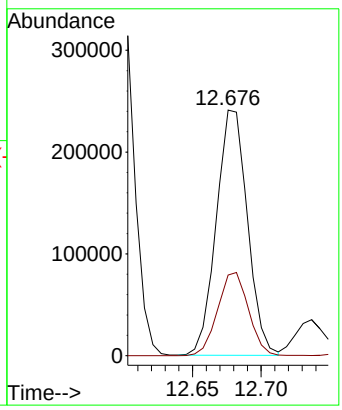
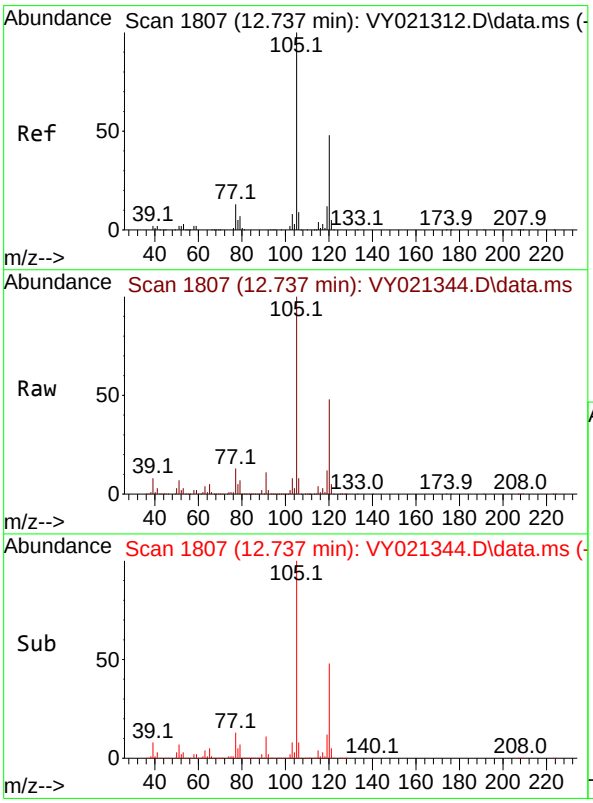
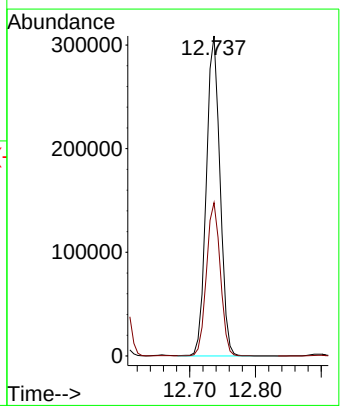


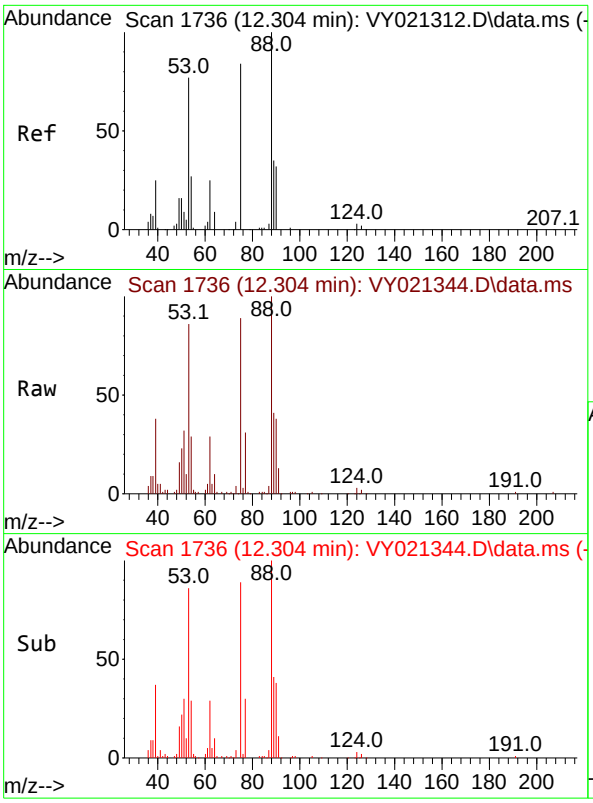


#80
1,3,5-Trimethylbenzene
Concen: 49.048 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 448101

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 47.460 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 3166

Ion	Ratio	Lower	Upper
75	100		
53	95.9	79.1	118.7
89	46.7	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
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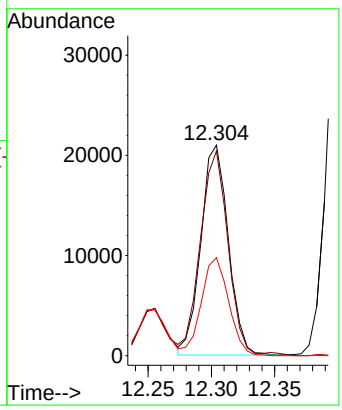
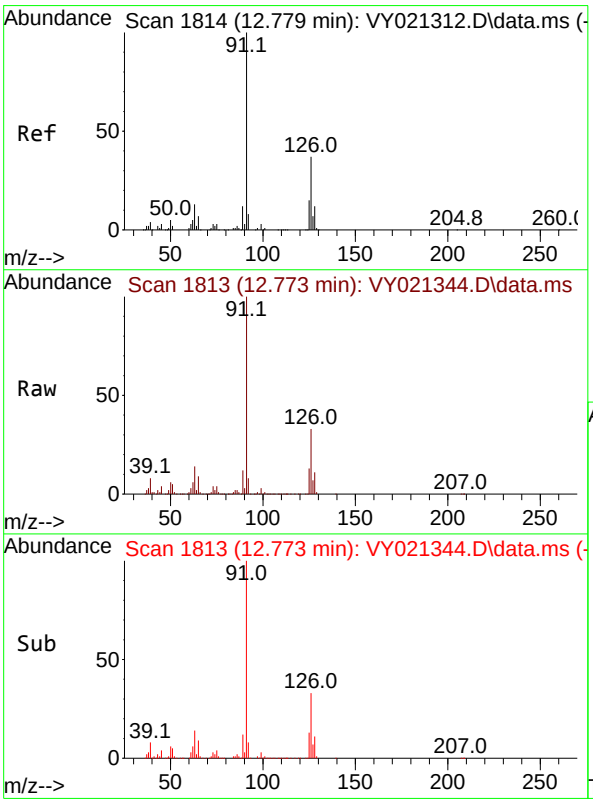
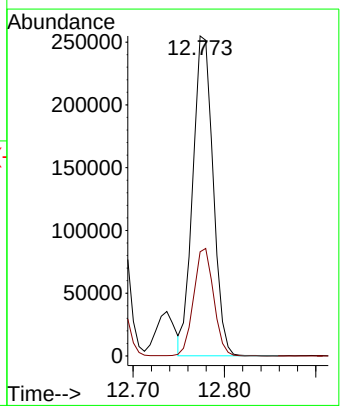


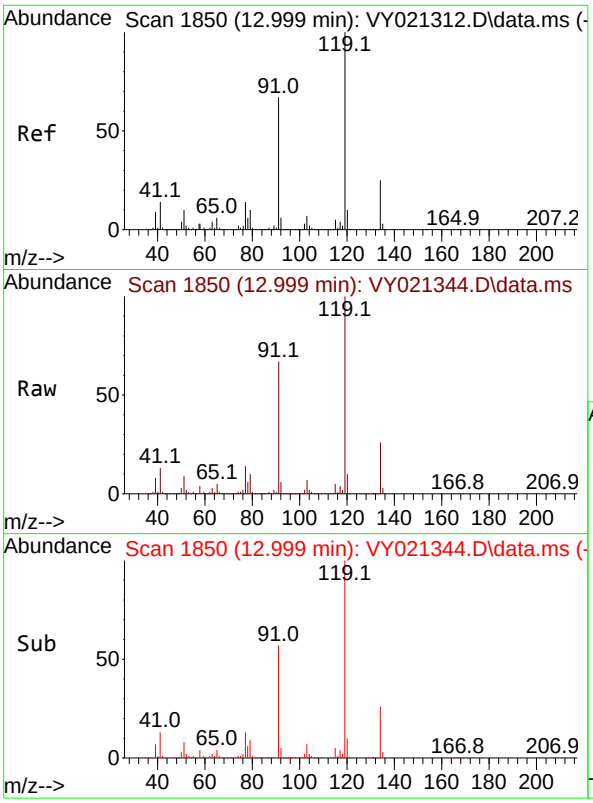


#82
4-Chlorotoluene
Concen: 48.755 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 392065

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4

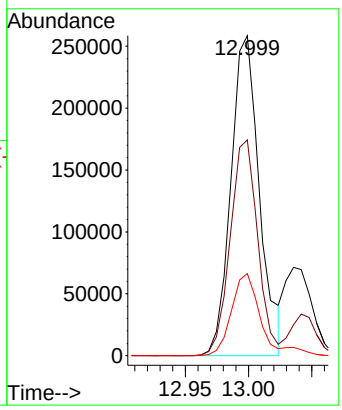




#83
tert-Butylbenzene
Concen: 49.124 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:119 Resp: 40540

Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.7	98.1
134	26.5	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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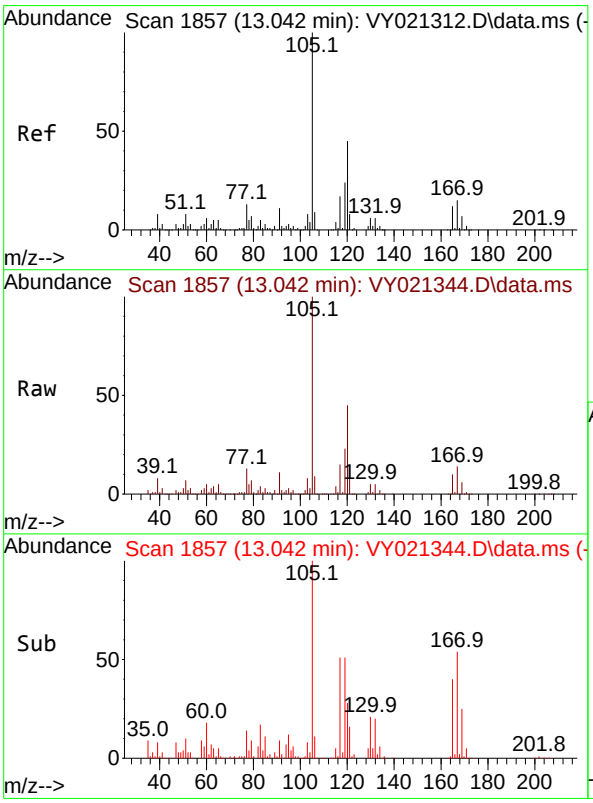
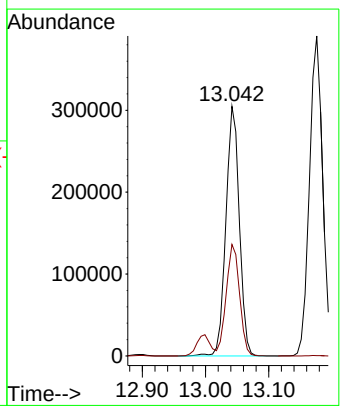
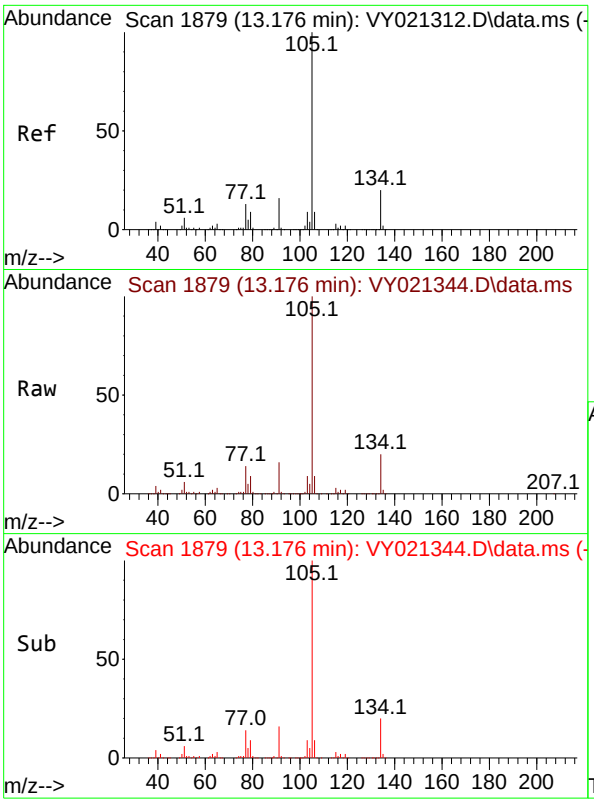


#84
1,2,4-Trimethylbenzene
Concen: 49.422 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 449054

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3

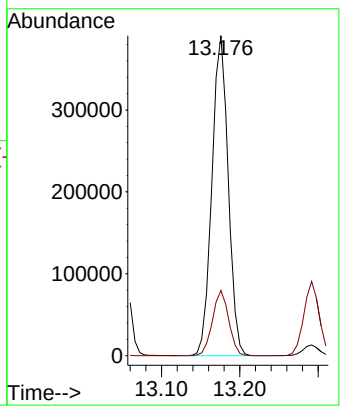




#85
sec-Butylbenzene
Concen: 46.848 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 56473

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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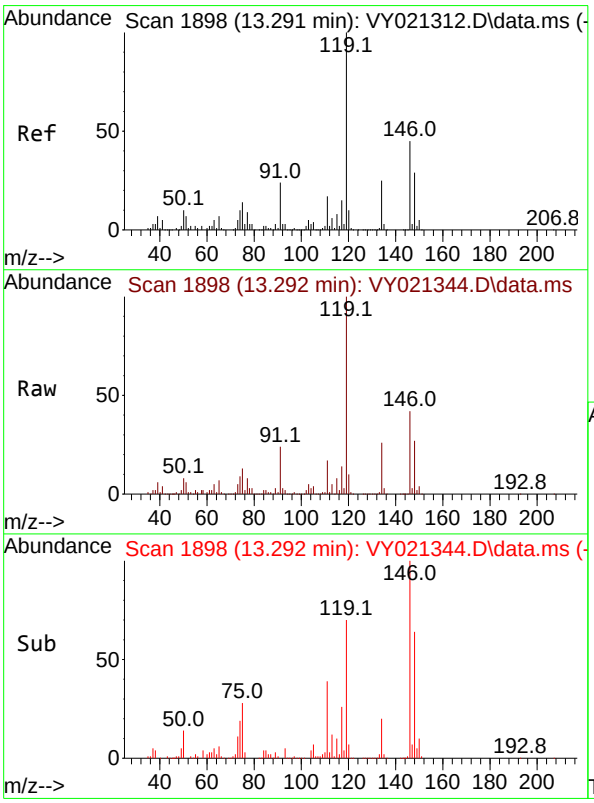
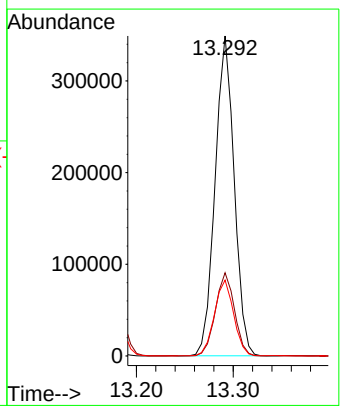
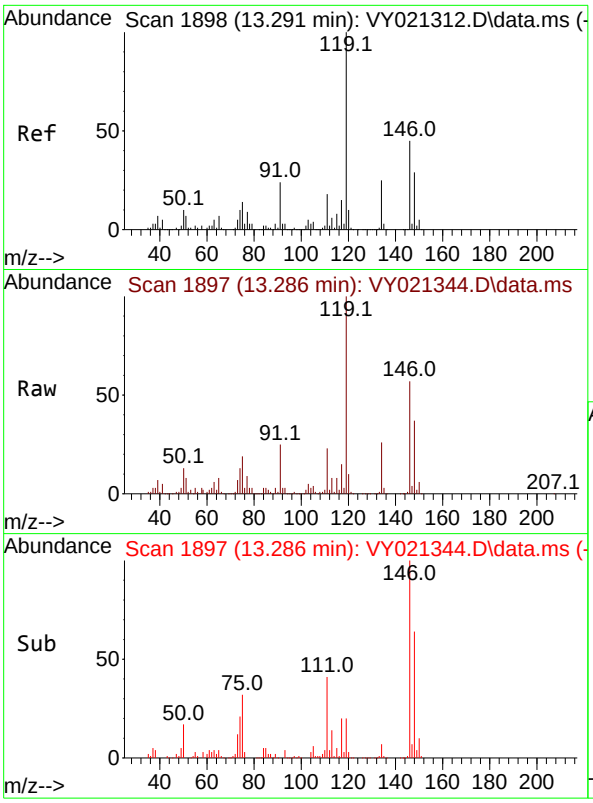


#86
p-Isopropyltoluene
Concen: 47.399 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:119 Resp: 477095

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	23.9	12.0	36.1

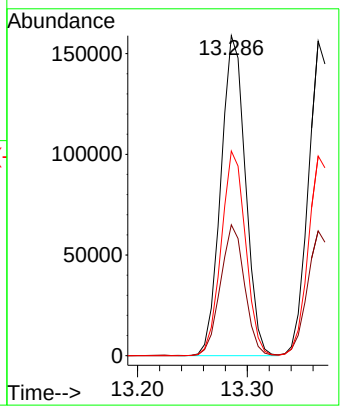




#87
1,3-Dichlorobenzene
Concen: 48.238 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:146 Resp: 24722

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.3	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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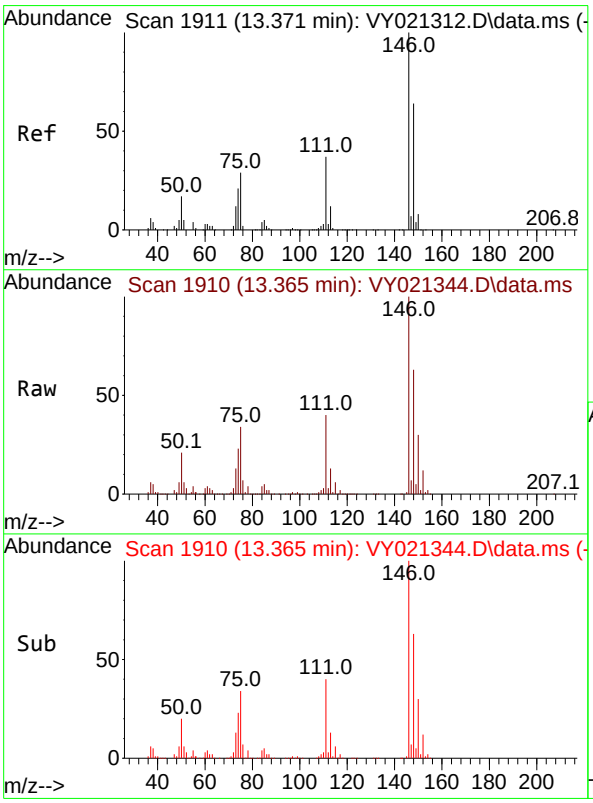
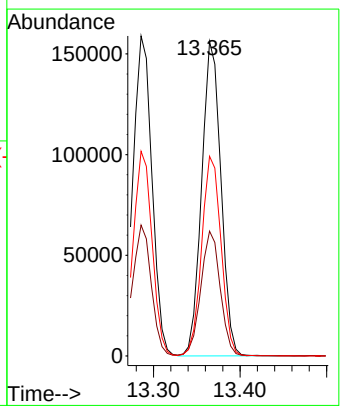
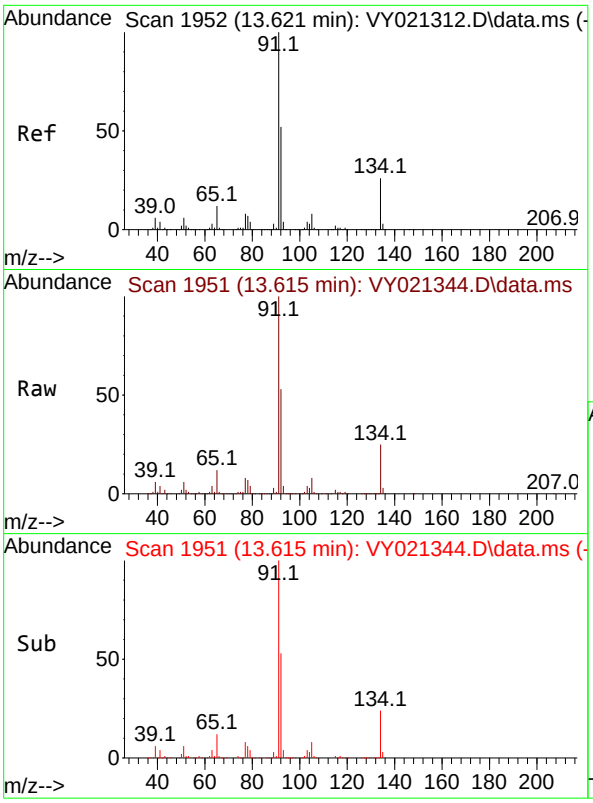


#88
1,4-Dichlorobenzene
Concen: 47.661 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:146 Resp: 241313

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.5	58.5
148	64.0	32.0	96.2

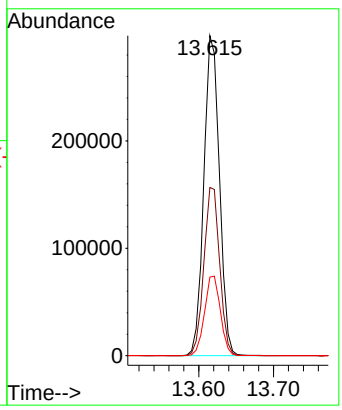




#89
n-Butylbenzene
Concen: 45.583 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 43177

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	25.3	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
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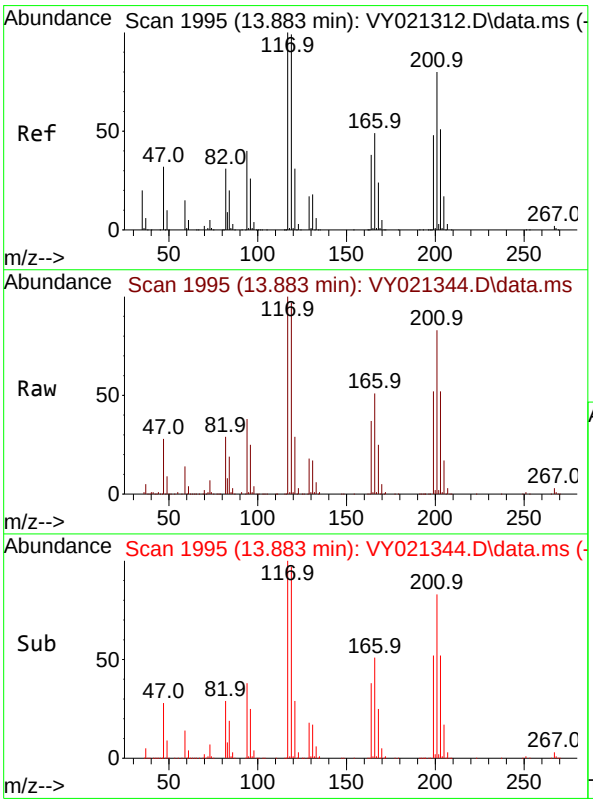
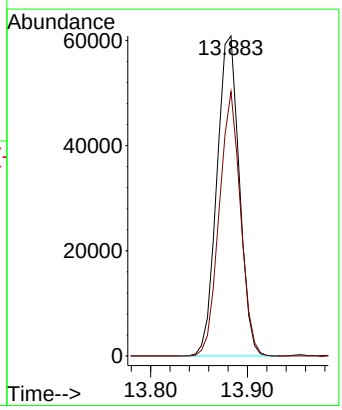
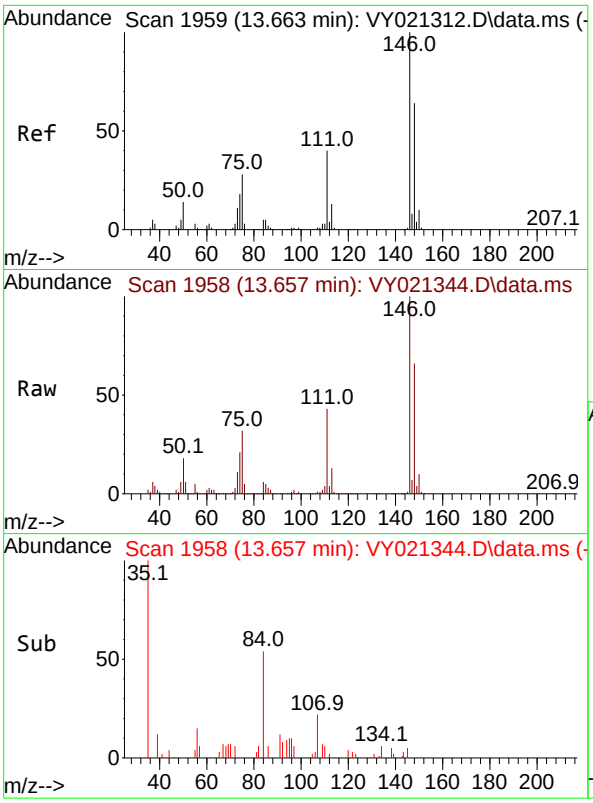


#90
Hexachloroethane
Concen: 46.606 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 97989

Ion	Ratio	Lower	Upper
117	100		
201	78.2	38.4	115.2

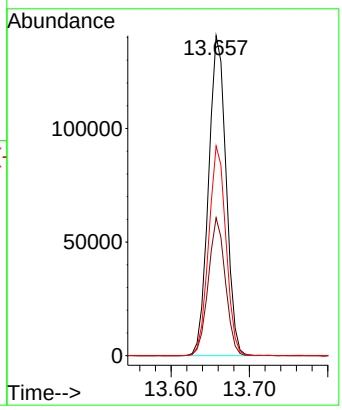




#91
1,2-Dichlorobenzene
Concen: 48.659 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:146 Resp: 21849

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	64.6	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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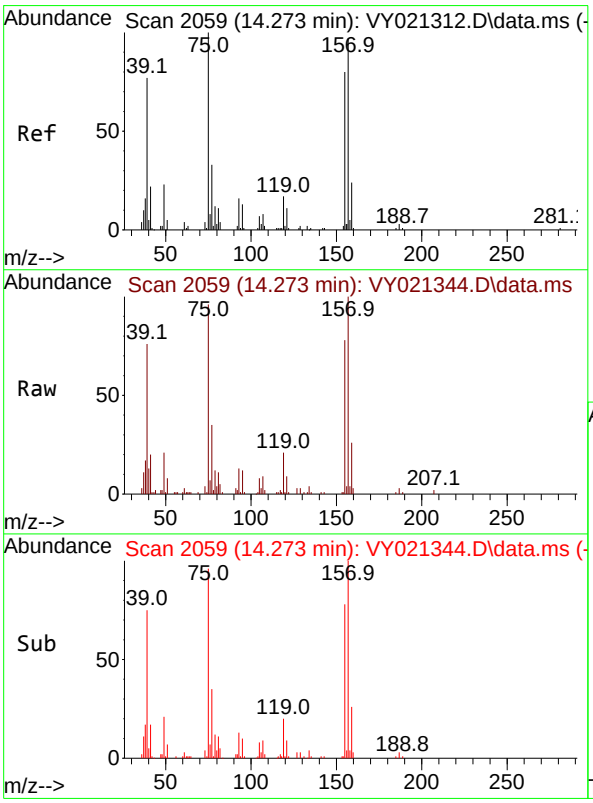
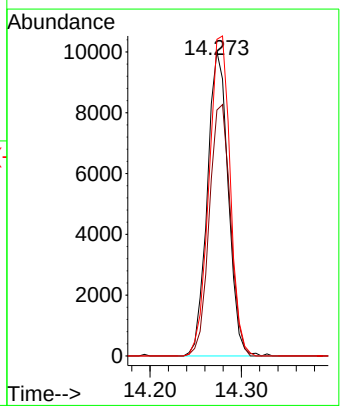
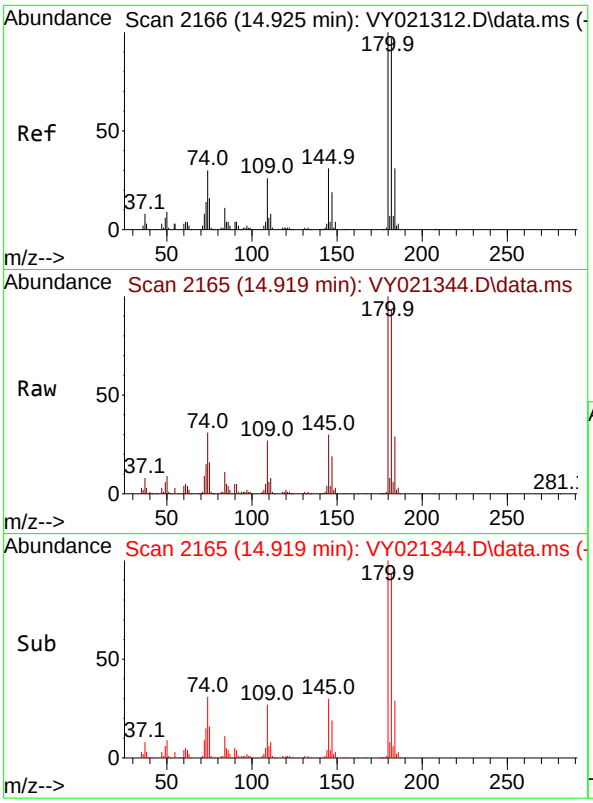


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.037 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 15872

Ion	Ratio	Lower	Upper
75	100		
155	83.3	41.9	125.6
157	106.6	52.5	157.6

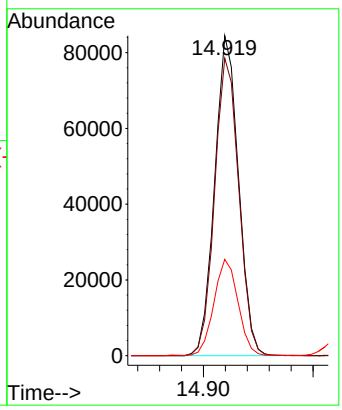




#93
1,2,4-Trichlorobenzene
Concen: 46.535 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:180 Resp: 12753

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.7
145	30.6	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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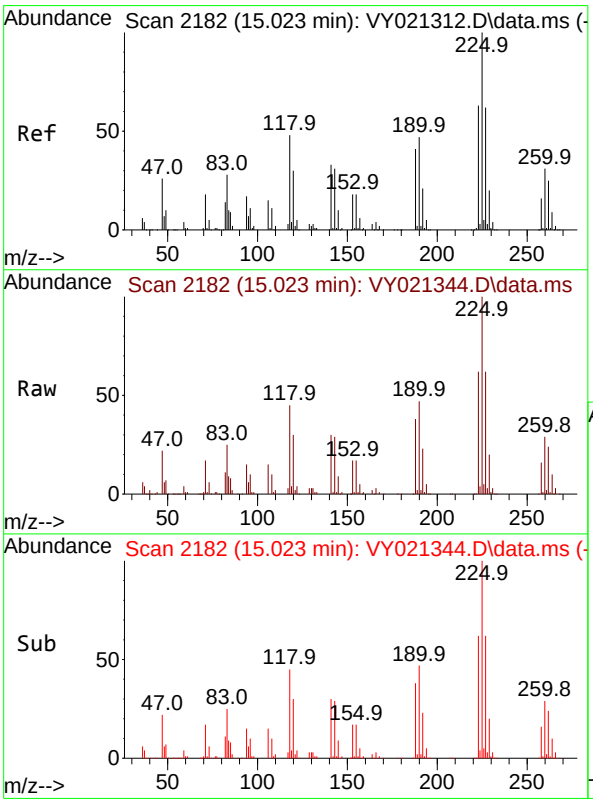
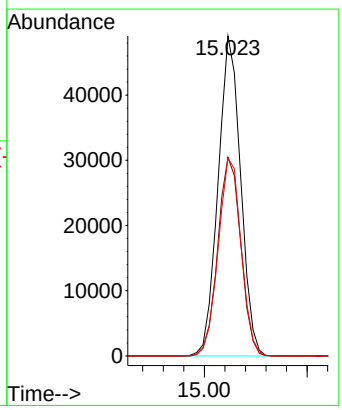
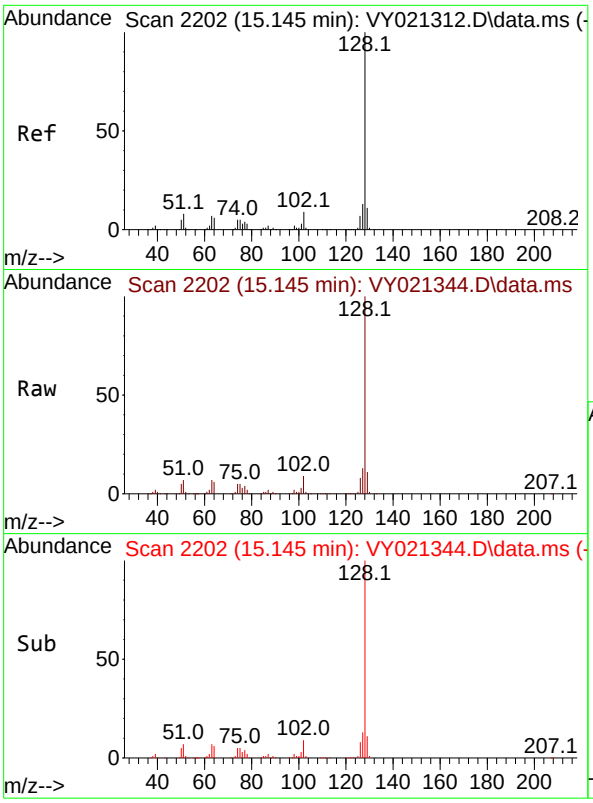


#94
Hexachlorobutadiene
Concen: 43.221 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:225 Resp: 74574

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	95.4
227	63.0	31.9	95.7

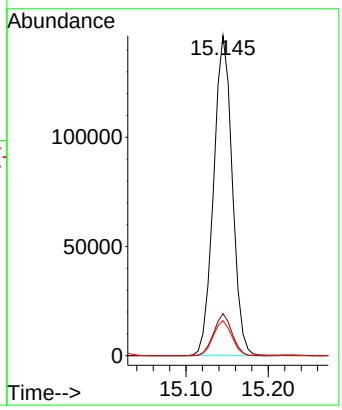




#95
Naphthalene
Concen: 50.863 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:128 Resp: 23088

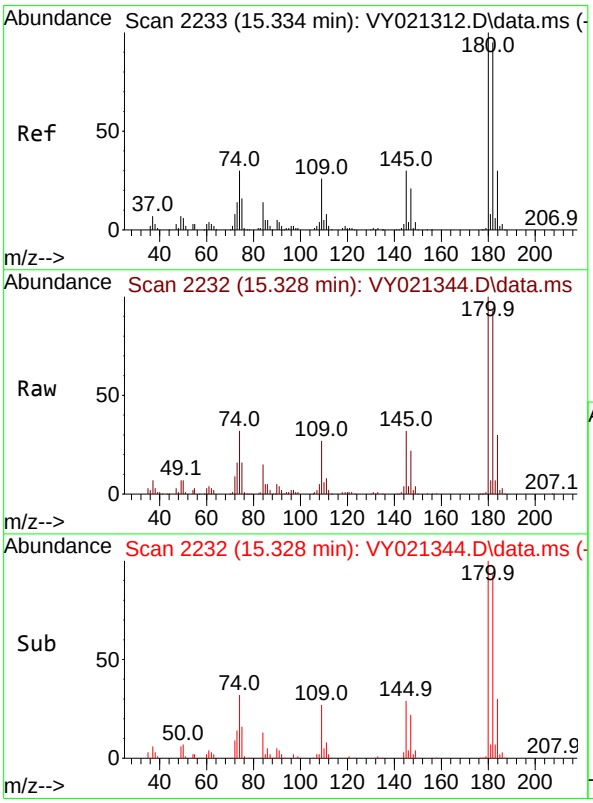
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

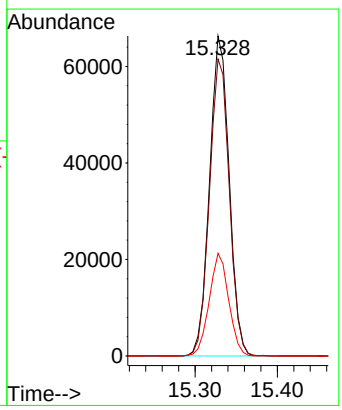
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.484 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:180 Resp: 109952

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.3	144.9
145	31.9	16.1	48.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	119	0.00
2	T	Dichlorodifluoromethane	0.474	0.427	9.9	103	0.00
3	P	Chloromethane	0.612	0.566	7.5	112	0.00
4	C	Vinyl Chloride	0.601	0.577	4.0#	110	0.00
5	T	Bromomethane	0.399	0.382	4.3	118	0.00
6	T	Chloroethane	0.373	0.374	-0.3	114	0.00
7	T	Trichlorofluoromethane	0.908	0.871	4.1	111	0.00
8	T	Diethyl Ether	0.272	0.290	-6.6	121	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.525	0.494	5.9	110	0.00
10	T	Methyl Iodide	0.553	0.634	-14.6	119	0.00
11	T	Tert butyl alcohol	0.044	0.040	9.1	120	0.00
12	CM	1,1-Dichloroethene	0.503	0.489	2.8#	113	0.00
13	T	Acrolein	0.033	0.006	81.8#	110	0.00
14	T	Allyl chloride	0.892	0.877	1.7	113	0.00
15	T	Acrylonitrile	0.120	0.125	-4.2	117	0.00
16	T	Acetone	0.109	0.098	10.1	91	0.00
17	T	Carbon Disulfide	1.671	1.626	2.7	112	0.00
18	T	Methyl Acetate	0.266	0.284	-6.8	123	0.00
19	T	Methyl tert-butyl Ether	1.329	1.439	-8.3	122	0.00
20	T	Methylene Chloride	0.588	0.567	3.6	116	0.00
21	T	trans-1,2-Dichloroethene	0.554	0.566	-2.2	118	0.00
22	T	Diisopropyl ether	1.846	1.926	-4.3	117	0.00
23	T	Vinyl Acetate	1.103	1.143	-3.6	115	0.00
24	P	1,1-Dichloroethane	1.040	1.051	-1.1	116	0.00
25	T	2-Butanone	0.164	0.166	-1.2	109	0.00
26	T	2,2-Dichloropropane	0.944	0.817	13.5	100	0.00
27	T	cis-1,2-Dichloroethene	0.632	0.663	-4.9	119	0.00
28	T	Bromochloromethane	0.460	0.446	3.0	117	0.00
29	T	Tetrahydrofuran	0.107	0.112	-4.7	117	0.00
30	C	Chloroform	1.054	1.085	-2.9#	118	0.00
31	T	Cyclohexane	1.000	0.882	11.8	106	0.00
32	T	1,1,1-Trichloroethane	0.960	0.958	0.2	116	0.00
33	S	1,2-Dichloroethane-d4	0.567	0.529	6.7	114	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	126	0.00
35	S	Dibromofluoromethane	0.328	0.298	9.1	116	0.00
36	T	1,1-Dichloropropene	0.492	0.462	6.1	113	0.00
37	T	Ethyl Acetate	0.245	0.240	2.0	117	0.00
38	T	Carbon Tetrachloride	0.554	0.520	6.1	113	0.00
39	T	Methylcyclohexane	0.623	0.557	10.6	106	0.00
40	TM	Benzene	1.456	1.421	2.4	117	0.00
41	T	Methacrylonitrile	0.137	0.148	-8.0	127	0.00
42	TM	1,2-Dichloroethane	0.413	0.419	-1.5	122	0.00
43	T	Isopropyl Acetate	0.474	0.473	0.2	116	0.00
44	TM	Trichloroethene	0.364	0.352	3.3	116	0.00
45	C	1,2-Dichloropropane	0.350	0.341	2.6#	116	0.00
46	T	Dibromomethane	0.191	0.193	-1.0	120	0.00
47	T	Bromodichloromethane	0.511	0.511	0.0	119	0.00
48	T	Methyl methacrylate	0.222	0.224	-0.9	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	122	0.00
50	S	Toluene-d8	1.267	1.131	10.7	114	0.00
51	T	4-Methyl-2-Pentanone	0.243	0.248	-2.1	117	0.00
52	CM	Toluene	0.904	0.897	0.8#	117	0.00
53	T	t-1,3-Dichloropropene	0.468	0.465	0.6	114	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.534	3.3	114	0.00
55	T	1,1,2-Trichloroethane	0.249	0.254	-2.0	120	0.00
56	T	Ethyl methacrylate	0.345	0.370	-7.2	119	0.00
57	T	1,3-Dichloropropane	0.438	0.445	-1.6	120	0.00
58	T	2-Chloroethyl Vinyl ether	0.165	0.170	-3.0	112	0.00
59	T	2-Hexanone	0.159	0.166	-4.4	114	0.00
60	T	Dibromochloromethane	0.340	0.345	-1.5	118	0.00
61	T	1,2-Dibromoethane	0.236	0.239	-1.3	119	0.00
62	S	4-Bromofluorobenzene	0.426	0.383	10.1	114	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	128	0.00
64	T	Tetrachloroethene	0.378	0.354	6.3	116	0.00
65	PM	Chlorobenzene	1.122	1.085	3.3	118	0.00
66	T	1,1,1,2-Tetrachloroethane	0.393	0.388	1.3	120	0.00
67	C	Ethyl Benzene	1.988	1.913	3.8#	115	0.00
68	T	m/p-Xylenes	0.748	0.722	3.5	115	0.00
69	T	o-Xylene	0.701	0.694	1.0	117	0.00
70	T	Styrene	1.166	1.169	-0.3	117	0.00
71	P	Bromoform	0.225	0.225	0.0	117	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
73	T	Isopropylbenzene	3.759	3.702	1.5	113	0.00
74	T	N-amyl acetate	0.955	0.990	-3.7	114	0.00
75	P	1,1,2,2-Tetrachloroethane	0.663	0.666	-0.5	116	0.00
76	T	1,2,3-Trichloropropane	0.500	0.488	2.4	114	0.00
77	T	Bromobenzene	0.874	0.883	-1.0	118	0.00
78	T	n-propylbenzene	4.561	4.370	4.2	110	0.00
79	T	2-Chlorotoluene	2.618	2.575	1.6	115	0.00
80	T	1,3,5-Trimethylbenzene	3.083	3.024	1.9	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.225	0.214	4.9	107	0.00
82	T	4-Chlorotoluene	2.714	2.646	2.5	114	0.00
83	T	tert-Butylbenzene	2.785	2.736	1.8	115	0.00
84	T	1,2,4-Trimethylbenzene	3.066	3.031	1.1	114	0.00
85	T	sec-Butylbenzene	4.068	3.811	6.3	109	0.00
86	T	p-Isopropyltoluene	3.397	3.220	5.2	109	0.00
87	T	1,3-Dichlorobenzene	1.730	1.669	3.5	113	0.00
88	T	1,4-Dichlorobenzene	1.709	1.629	4.7	113	0.00
89	T	n-Butylbenzene	3.196	2.914	8.8	104	0.00
90	T	Hexachloroethane	0.710	0.661	6.9	112	0.00
91	T	1,2-Dichlorobenzene	1.515	1.475	2.6	114	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.105	0.107	-1.9	115	0.00
93	T	1,2,4-Trichlorobenzene	0.925	0.861	6.9	108	0.00
94	T	Hexachlorobutadiene	0.582	0.503	13.6	104	0.00
95	T	Naphthalene	1.532	1.558	-1.7	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.781	0.742	5.0	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	119	0.00
2	T	Dichlorodifluoromethane	50.000	44.987	10.0	103	0.00
3	P	Chloromethane	50.000	46.199	7.6	112	0.00
4	C	Vinyl Chloride	50.000	47.976	4.0#	110	0.00
5	T	Bromomethane	50.000	47.832	4.3	118	0.00
6	T	Chloroethane	50.000	50.180	-0.4	114	0.00
7	T	Trichlorofluoromethane	50.000	47.991	4.0	111	0.00
8	T	Diethyl Ether	50.000	53.265	-6.5	121	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.044	5.9	110	0.00
10	T	Methyl Iodide	50.000	57.386	-14.8	119	0.00
11	T	Tert butyl alcohol	250.000	231.715	7.3	120	0.00
12	CM	1,1-Dichloroethene	50.000	48.566	2.9#	113	0.00
13	T	Acrolein	250.000	45.939	81.6#	110	0.00
14	T	Allyl chloride	50.000	49.143	1.7	113	0.00
15	T	Acrylonitrile	250.000	259.792	-3.9	117	0.00
16	T	Acetone	250.000	224.914	10.0	91	0.00
17	T	Carbon Disulfide	50.000	48.671	2.7	112	0.00
18	T	Methyl Acetate	50.000	53.445	-6.9	123	0.00
19	T	Methyl tert-butyl Ether	50.000	54.123	-8.2	122	0.00
20	T	Methylene Chloride	50.000	48.152	3.7	116	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.077	-2.2	118	0.00
22	T	Diisopropyl ether	50.000	52.185	-4.4	117	0.00
23	T	Vinyl Acetate	250.000	259.062	-3.6	115	0.00
24	P	1,1-Dichloroethane	50.000	50.498	-1.0	116	0.00
25	T	2-Butanone	250.000	253.286	-1.3	109	0.00
26	T	2,2-Dichloropropane	50.000	43.292	13.4	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.447	-4.9	119	0.00
28	T	Bromochloromethane	50.000	48.465	3.1	117	0.00
29	T	Tetrahydrofuran	250.000	261.209	-4.5	117	0.00
30	C	Chloroform	50.000	51.443	-2.9#	118	0.00
31	T	Cyclohexane	50.000	44.101	11.8	106	0.00
32	T	1,1,1-Trichloroethane	50.000	49.940	0.1	116	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.619	6.8	114	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	126	0.00
35	S	Dibromofluoromethane	50.000	45.429	9.1	116	0.00
36	T	1,1-Dichloropropene	50.000	46.928	6.1	113	0.00
37	T	Ethyl Acetate	50.000	48.999	2.0	117	0.00
38	T	Carbon Tetrachloride	50.000	46.933	6.1	113	0.00
39	T	Methylcyclohexane	50.000	44.707	10.6	106	0.00
40	TM	Benzene	50.000	48.823	2.4	117	0.00
41	T	Methacrylonitrile	50.000	54.039	-8.1	127	0.00
42	TM	1,2-Dichloroethane	50.000	50.672	-1.3	122	0.00
43	T	Isopropyl Acetate	50.000	49.861	0.3	116	0.00
44	TM	Trichloroethene	50.000	48.271	3.5	116	0.00
45	C	1,2-Dichloropropane	50.000	48.736	2.5#	116	0.00
46	T	Dibromomethane	50.000	50.499	-1.0	120	0.00
47	T	Bromodichloromethane	50.000	50.086	-0.2	119	0.00
48	T	Methyl methacrylate	50.000	50.619	-1.2	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1015.844	-1.6	122	0.00
50	S	Toluene-d8	50.000	44.650	10.7	114	0.00
51	T	4-Methyl-2-Pentanone	250.000	254.988	-2.0	117	0.00
52	CM	Toluene	50.000	49.585	0.8#	117	0.00
53	T	t-1,3-Dichloropropene	50.000	49.701	0.6	114	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.340	3.3	114	0.00
55	T	1,1,2-Trichloroethane	50.000	50.858	-1.7	120	0.00
56	T	Ethyl methacrylate	50.000	53.738	-7.5	119	0.00
57	T	1,3-Dichloropropane	50.000	50.818	-1.6	120	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	257.068	-2.8	112	0.00
59	T	2-Hexanone	250.000	260.462	-4.2	114	0.00
60	T	Dibromochloromethane	50.000	50.788	-1.6	118	0.00
61	T	1,2-Dibromoethane	50.000	50.586	-1.2	119	0.00
62	S	4-Bromofluorobenzene	50.000	44.933	10.1	114	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	128	0.00
64	T	Tetrachloroethene	50.000	46.783	6.4	116	0.00
65	PM	Chlorobenzene	50.000	48.330	3.3	118	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.313	1.4	120	0.00
67	C	Ethyl Benzene	50.000	48.106	3.8#	115	0.00
68	T	m/p-Xylenes	100.000	96.556	3.4	115	0.00
69	T	o-Xylene	50.000	49.544	0.9	117	0.00
70	T	Styrene	50.000	50.170	-0.3	117	0.00
71	P	Bromoform	50.000	50.071	-0.1	117	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	122	0.00
73	T	Isopropylbenzene	50.000	49.240	1.5	113	0.00
74	T	N-amyl acetate	50.000	51.825	-3.7	114	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.176	-0.4	116	0.00
76	T	1,2,3-Trichloropropane	50.000	48.754	2.5	114	0.00
77	T	Bromobenzene	50.000	50.469	-0.9	118	0.00
78	T	n-propylbenzene	50.000	47.897	4.2	110	0.00
79	T	2-Chlorotoluene	50.000	49.187	1.6	115	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.048	1.9	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.460	5.1	107	0.00
82	T	4-Chlorotoluene	50.000	48.755	2.5	114	0.00
83	T	tert-Butylbenzene	50.000	49.124	1.8	115	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.422	1.2	114	0.00
85	T	sec-Butylbenzene	50.000	46.848	6.3	109	0.00
86	T	p-Isopropyltoluene	50.000	47.399	5.2	109	0.00
87	T	1,3-Dichlorobenzene	50.000	48.238	3.5	113	0.00
88	T	1,4-Dichlorobenzene	50.000	47.661	4.7	113	0.00
89	T	n-Butylbenzene	50.000	45.583	8.8	104	0.00
90	T	Hexachloroethane	50.000	46.606	6.8	112	0.00
91	T	1,2-Dichlorobenzene	50.000	48.659	2.7	114	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.037	-2.1	115	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.535	6.9	108	0.00
94	T	Hexachlorobutadiene	50.000	43.221	13.6	104	0.00
95	T	Naphthalene	50.000	50.863	-1.7	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.484	5.0	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

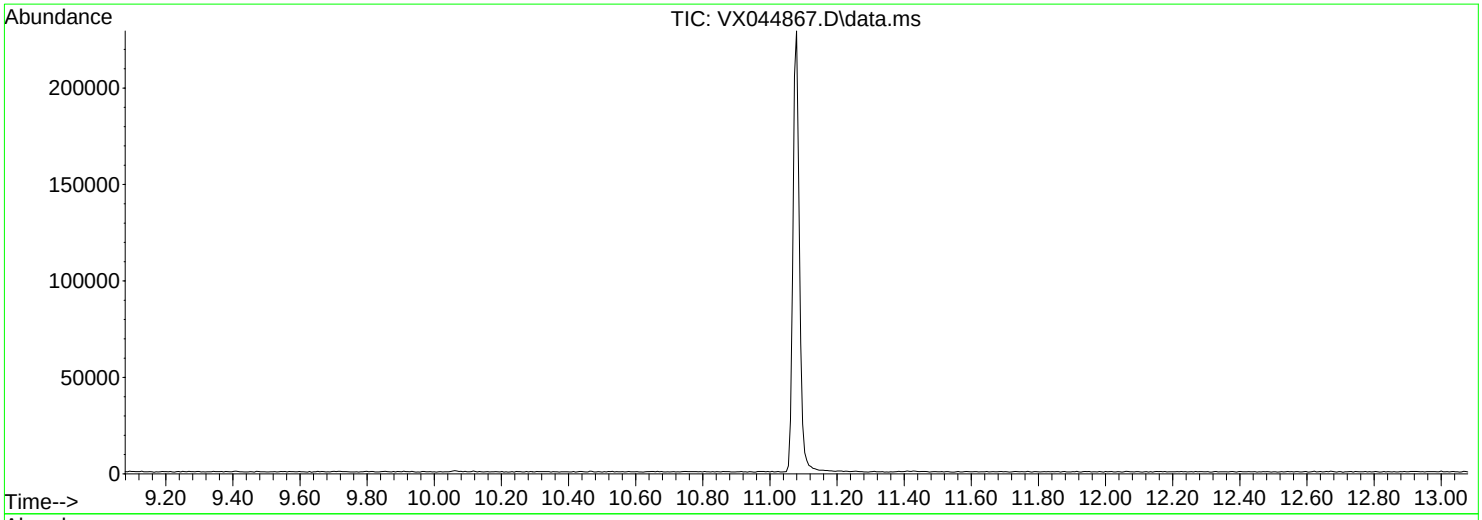
Sample Results: **VX044867.D**

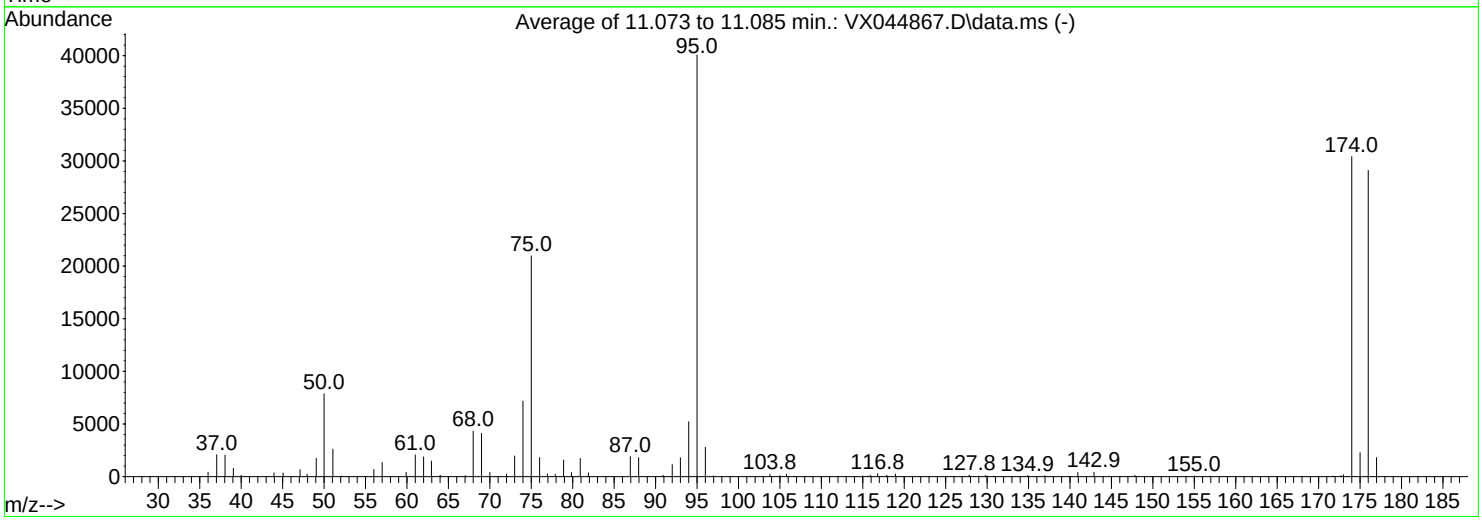
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044867.D
Acq On : 10 Feb 2025 09:35
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

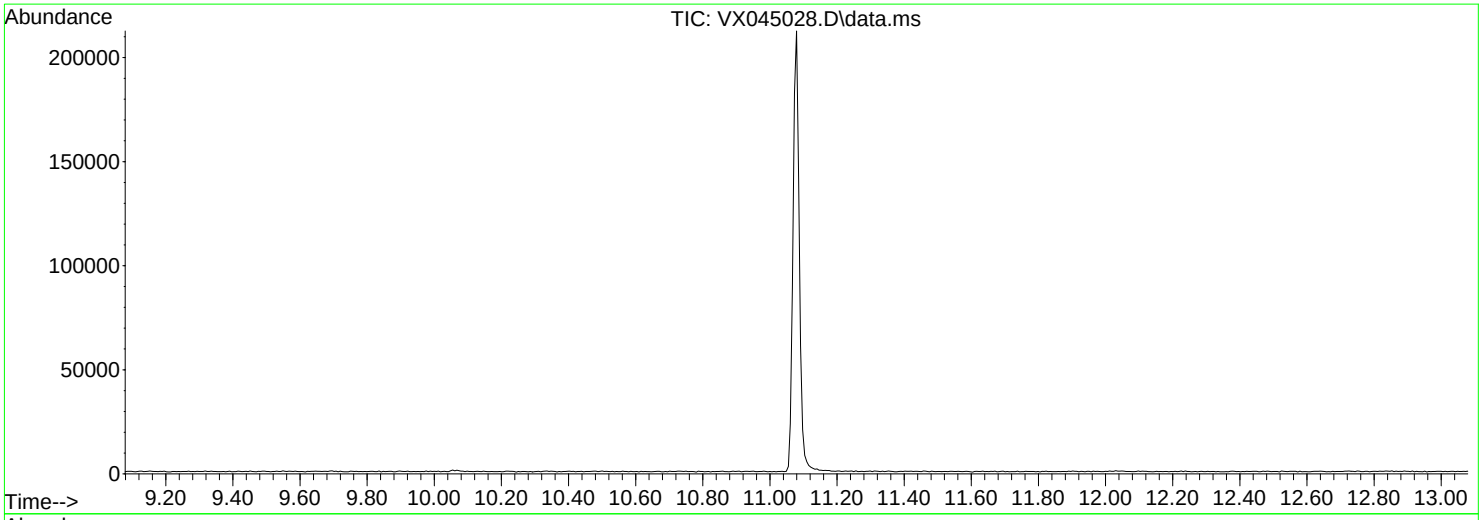
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	7876	PASS
75	95	30	60	52.3	20977	PASS
95	95	100	100	100.0	40077	PASS
96	95	5	9	6.9	2783	PASS
173	174	0.00	2	0.6	186	PASS
174	95	50	100	75.9	30400	PASS
175	174	5	9	7.5	2286	PASS
176	174	95	101	95.7	29104	PASS
177	176	5	9	6.2	1810	PASS

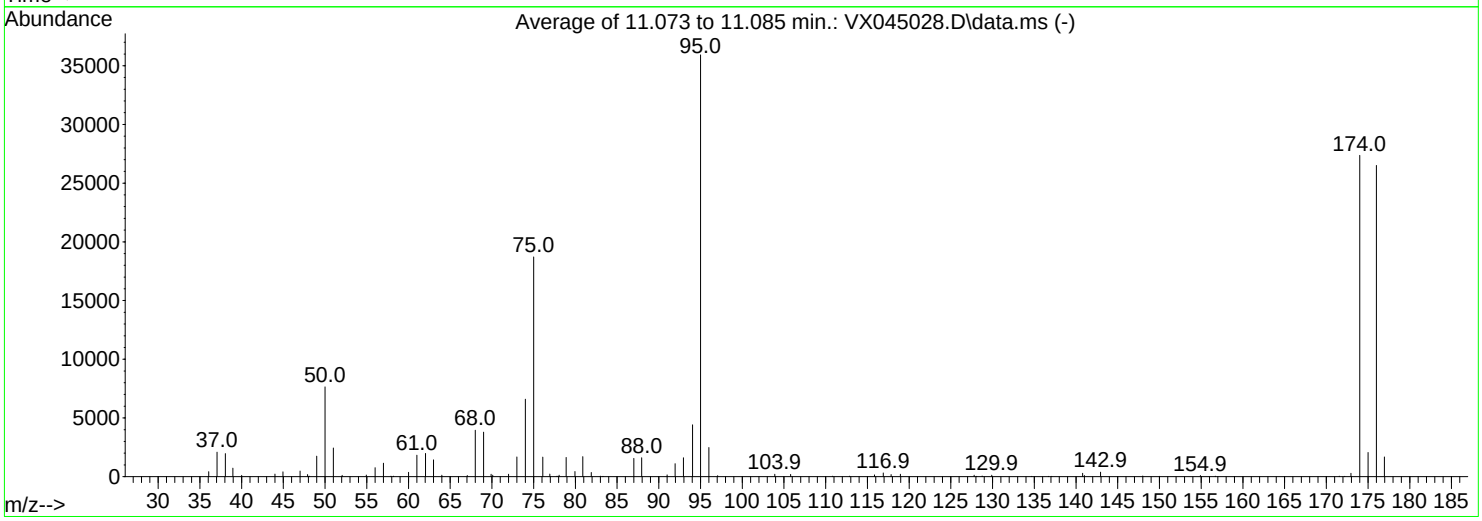
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045028.D
Acq On : 25 Feb 2025 09:30
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.3	7648	PASS
75	95	30	60	52.1	18718	PASS
95	95	100	100	100.0	35928	PASS
96	95	5	9	6.9	2482	PASS
173	174	0.00	2	1.0	281	PASS
174	95	50	100	76.2	27363	PASS
175	174	5	9	7.5	2061	PASS
176	174	95	101	96.9	26515	PASS
177	176	5	9	6.3	1671	PASS

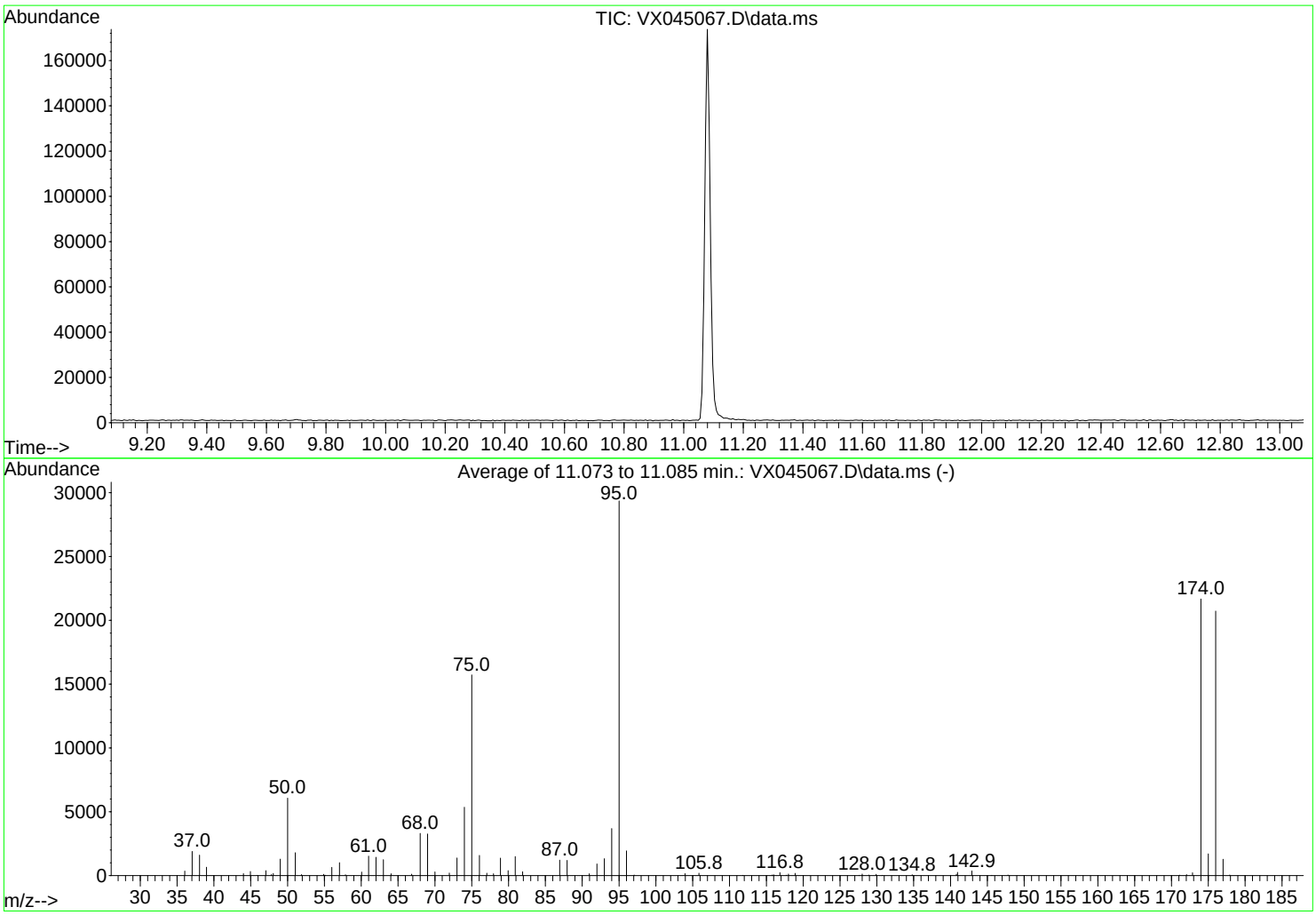
Sample Results: **VX045067.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045067.D
Acq On : 28 Feb 2025 01:03
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

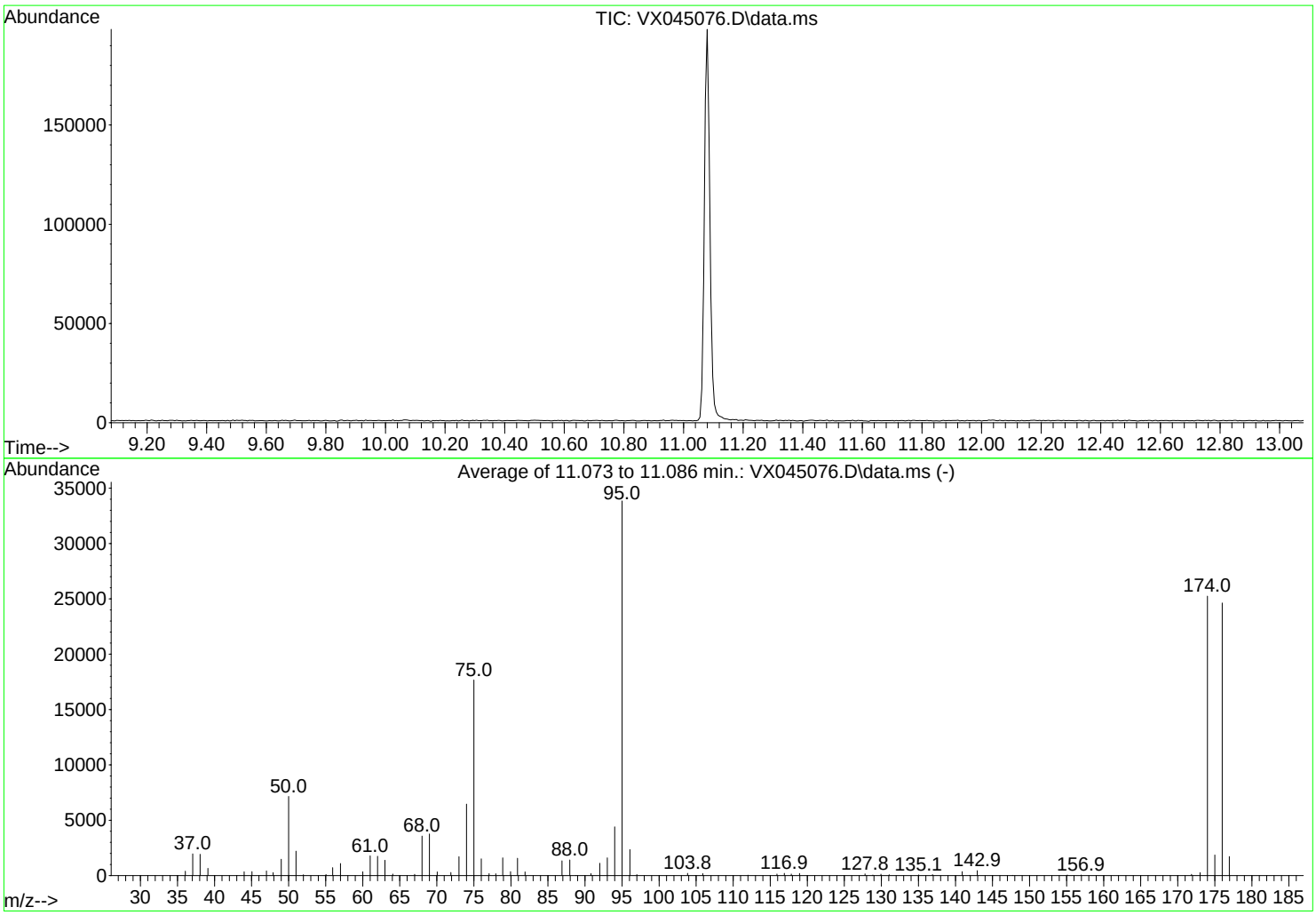
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	6072	PASS
75	95	30	60	53.6	15726	PASS
95	95	100	100	100.0	29360	PASS
96	95	5	9	6.6	1942	PASS
173	174	0.00	2	1.0	219	PASS
174	95	50	100	73.8	21677	PASS
175	174	5	9	7.9	1702	PASS
176	174	95	101	95.6	20723	PASS
177	176	5	9	6.2	1277	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045076.D
Acq On : 28 Feb 2025 10:03
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

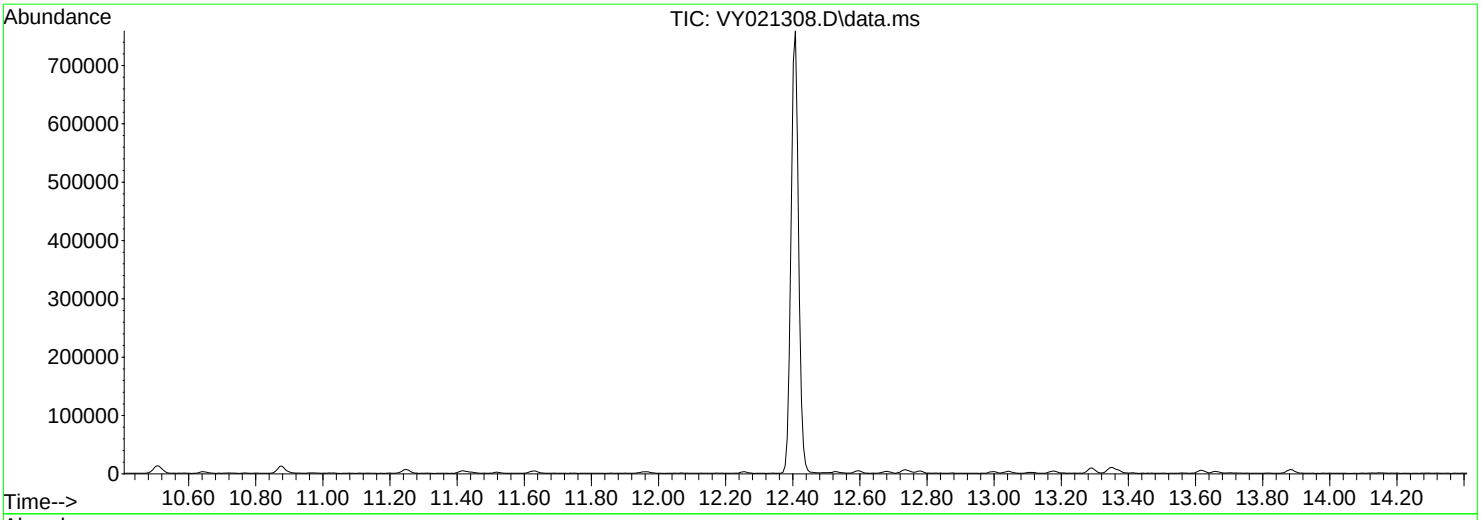
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.1	7149	PASS
75	95	30	60	52.2	17664	PASS
95	95	100	100	100.0	33848	PASS
96	95	5	9	6.9	2351	PASS
173	174	0.00	2	1.0	264	PASS
174	95	50	100	74.6	25245	PASS
175	174	5	9	7.4	1861	PASS
176	174	95	101	97.6	24632	PASS
177	176	5	9	7.0	1725	PASS

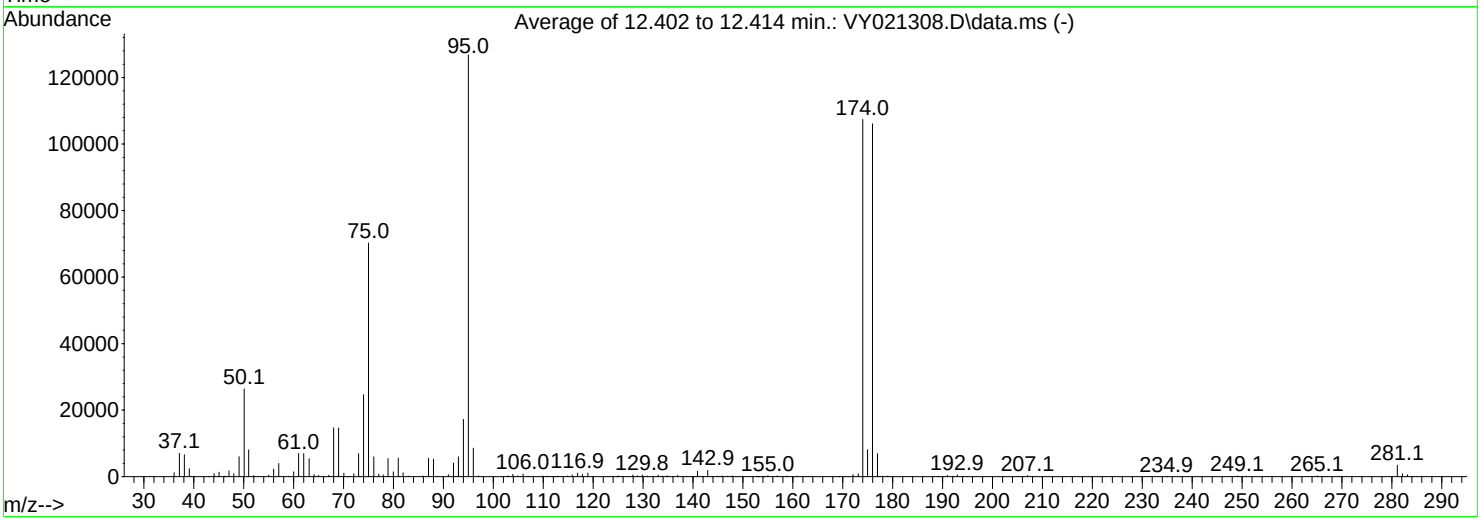
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021308.D
Acq On : 25 Feb 2025 12:10
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

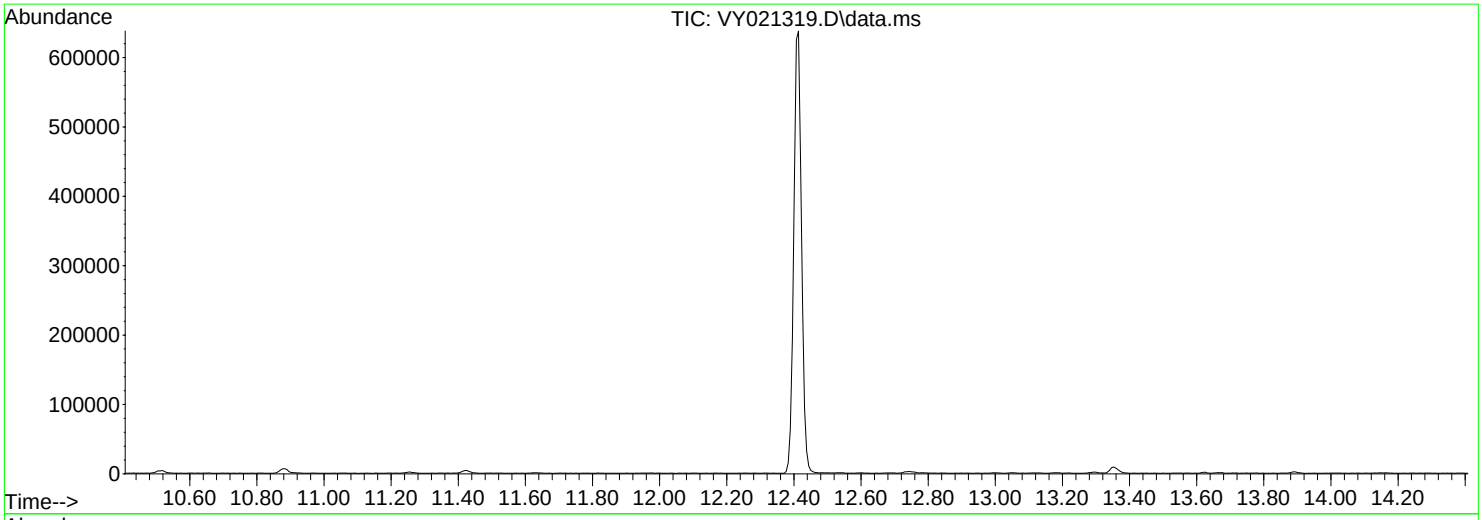
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	26379	PASS
75	95	30	60	55.4	70224	PASS
95	95	100	100	100.0	126829	PASS
96	95	5	9	6.7	8546	PASS
173	174	0.00	2	0.8	855	PASS
174	95	50	100	84.7	107419	PASS
175	174	5	9	7.5	8085	PASS
176	174	95	101	98.8	106077	PASS
177	176	5	9	6.5	6929	PASS

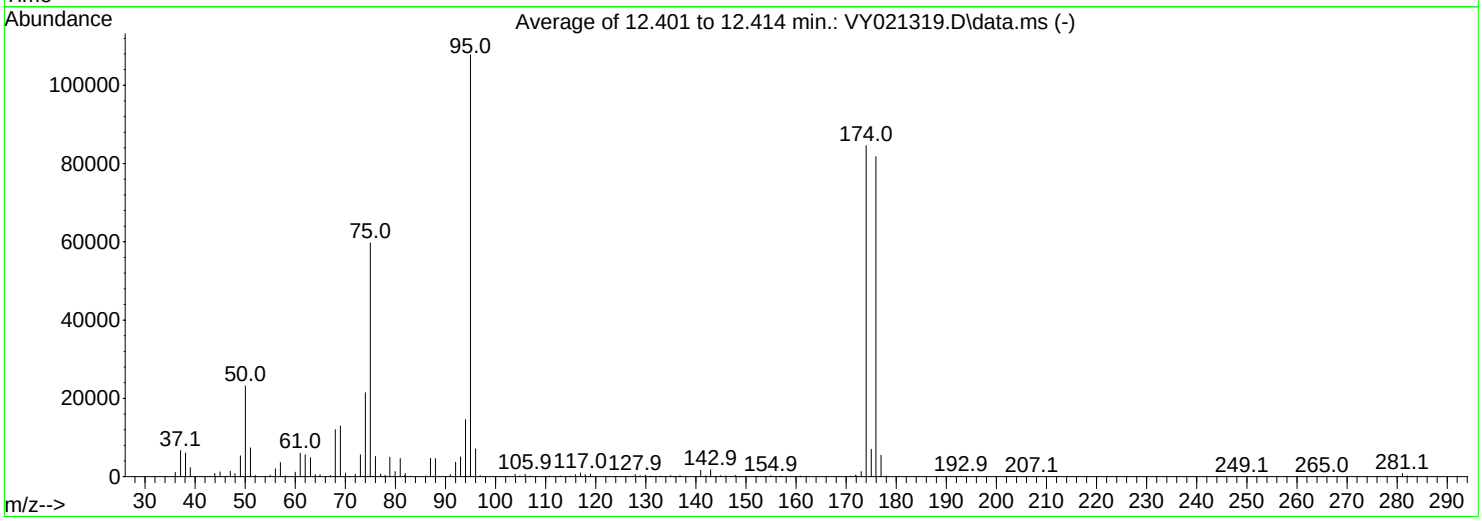
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021319.D
Acq On : 26 Feb 2025 09:12
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Title : SW846 8260
Last Update : Wed Feb 26 02:09:13 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	23171	PASS
75	95	30	60	55.4	59717	PASS
95	95	100	100	100.0	107776	PASS
96	95	5	9	6.6	7086	PASS
173	174	0.00	2	1.5	1306	PASS
174	95	50	100	78.5	84589	PASS
175	174	5	9	8.3	7013	PASS
176	174	95	101	96.7	81784	PASS
177	176	5	9	6.7	5470	PASS

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0225WBL01	SDG No.:	Q1401
Lab Sample ID:	VX0225WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045031.D	1		02/25/25 12:07	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0225WBL01	SDG No.:	Q1401
Lab Sample ID:	VX0225WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045031.D	1		02/25/25 12:07	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	79400	5.55				
540-36-3	1,4-Difluorobenzene	159000	6.757				
3114-55-4	Chlorobenzene-d5	143000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	58400	12.018				

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0225WBL01	SDG No.:	Q1401
Lab Sample ID:	VX0225WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045031.D	1		02/25/25 12:07	VX022525

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045031.D
Acq On : 25 Feb 2025 12:07
Operator : JC/MD
Sample : VX0225WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Quant Time: Feb 25 12:33:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	79395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159366	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	142850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58355	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62289	53.60	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.20%			
35) Dibromofluoromethane	5.379	113	52139	50.32	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.64%			
50) Toluene-d8	8.647	98	189606	48.39	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.78%			
62) 4-Bromofluorobenzene	11.079	95	62773	47.52	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.04%			

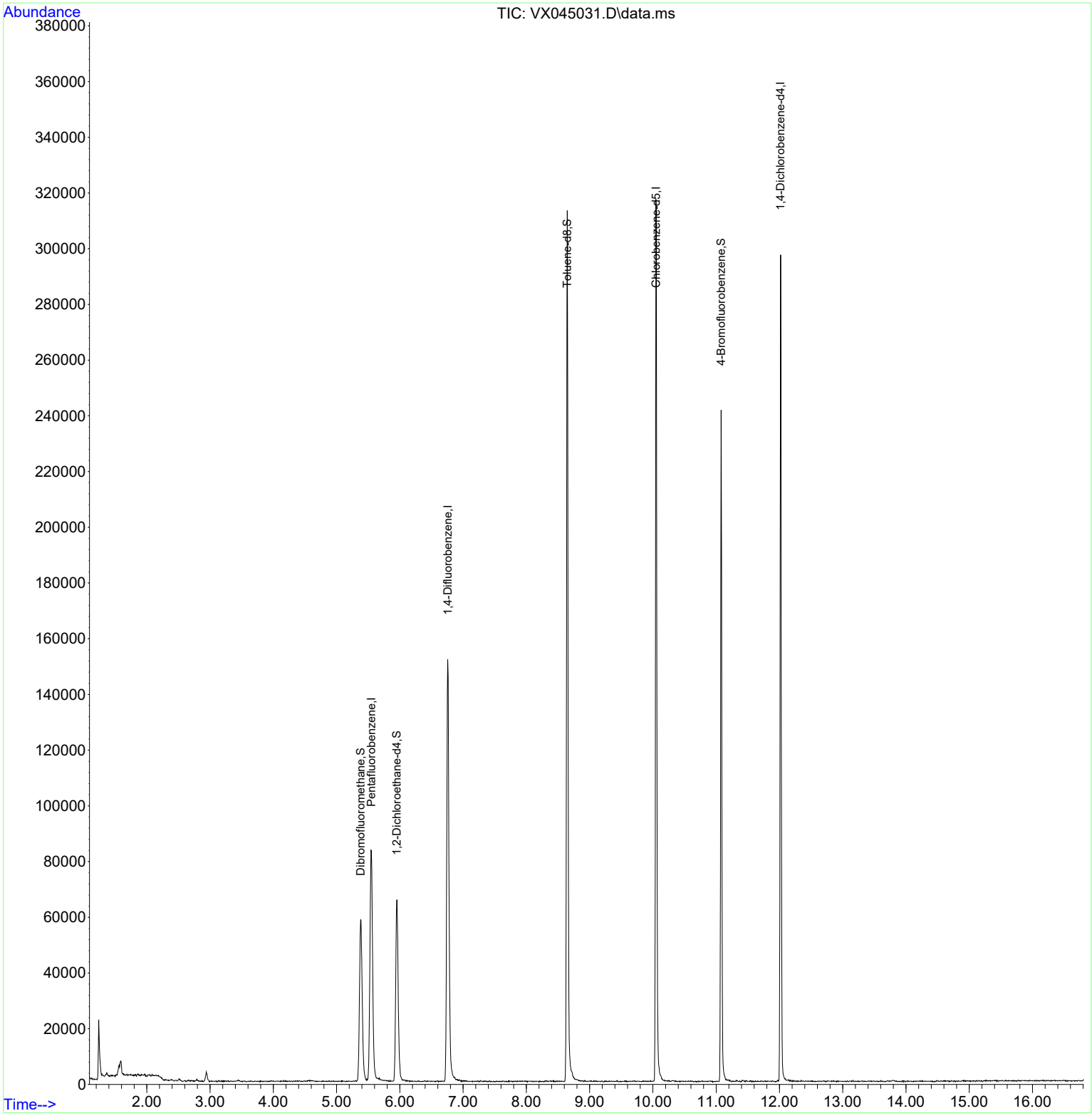
Target Compounds	Qvalue

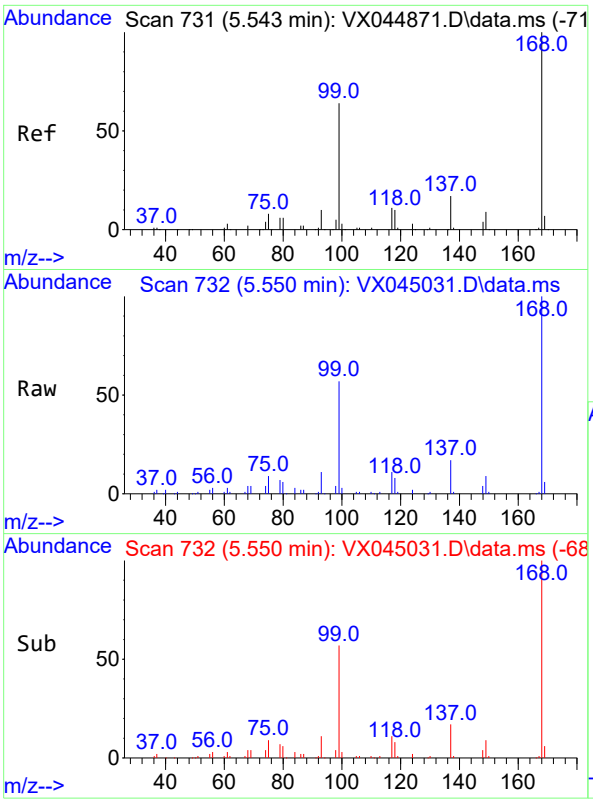
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045031.D
Acq On : 25 Feb 2025 12:07
Operator : JC/MD
Sample : VX0225WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Quant Time: Feb 25 12:33:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



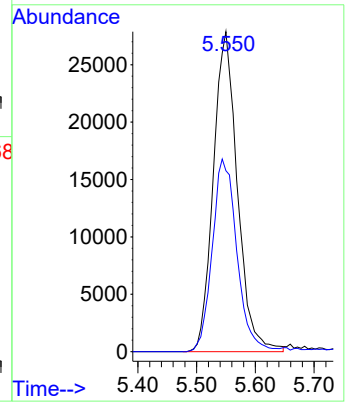


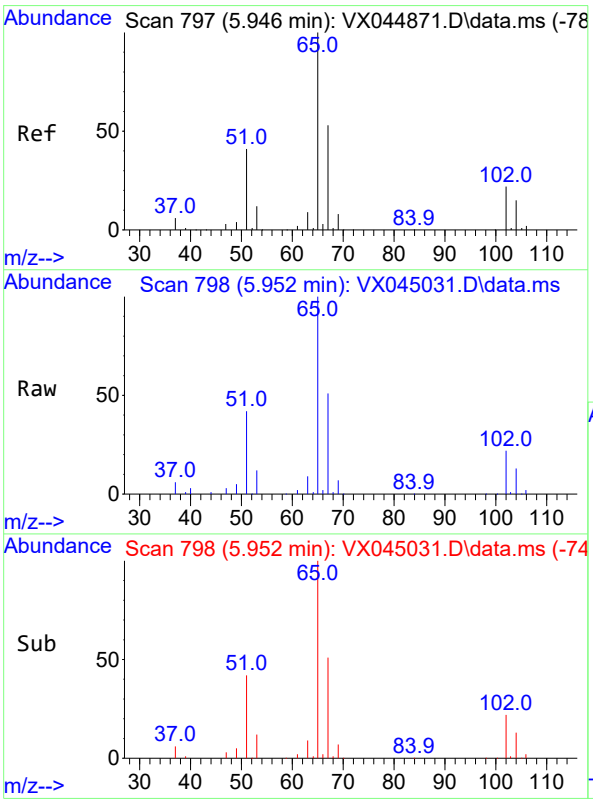
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX045031.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Tgt Ion:168 Resp: 79395

Ion	Ratio	Lower	Upper
168	100		
99	56.5	51.2	76.8

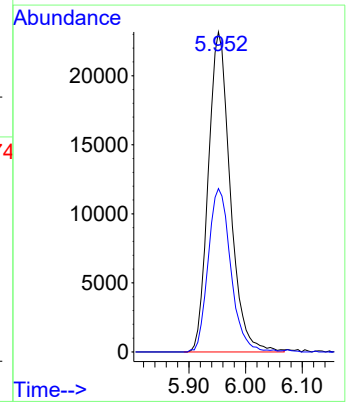


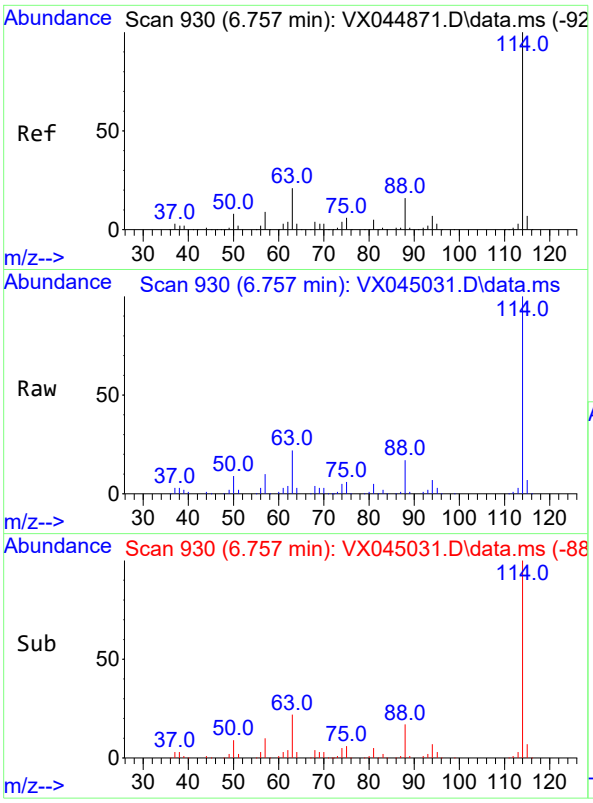


#33
1,2-Dichloroethane-d4
Concen: 53.60 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX045031.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 65 Resp: 62289

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	108.2



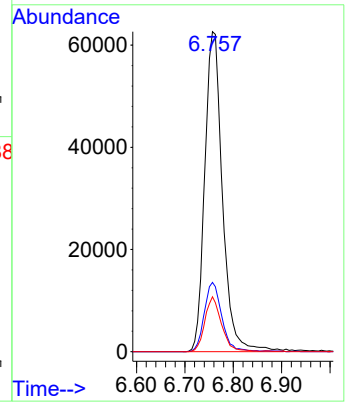


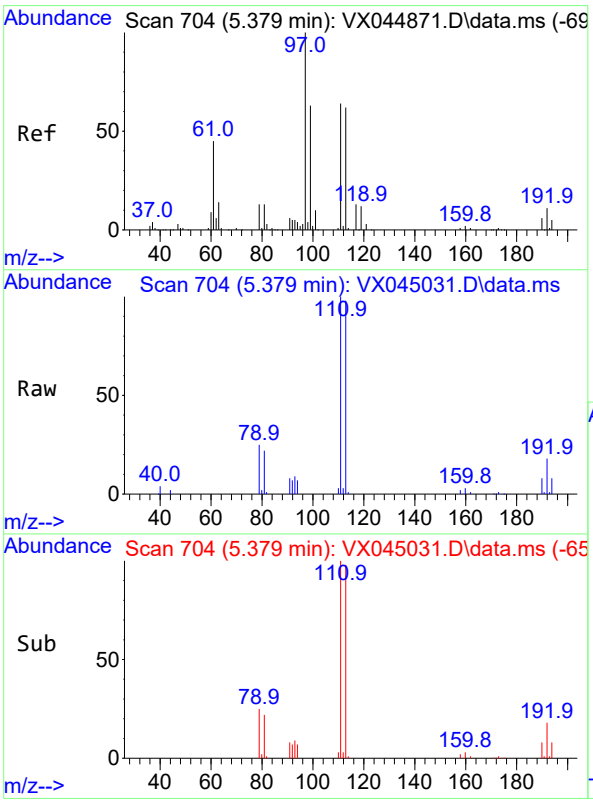
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045031.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Tgt Ion:114 Resp: 159366

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	42.4
88	17.2	0.0	31.4

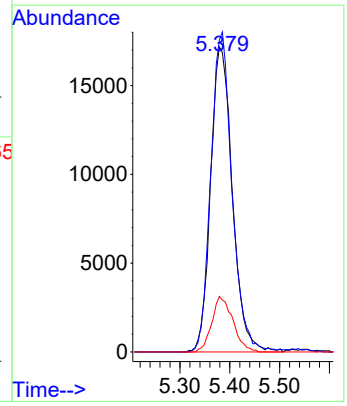


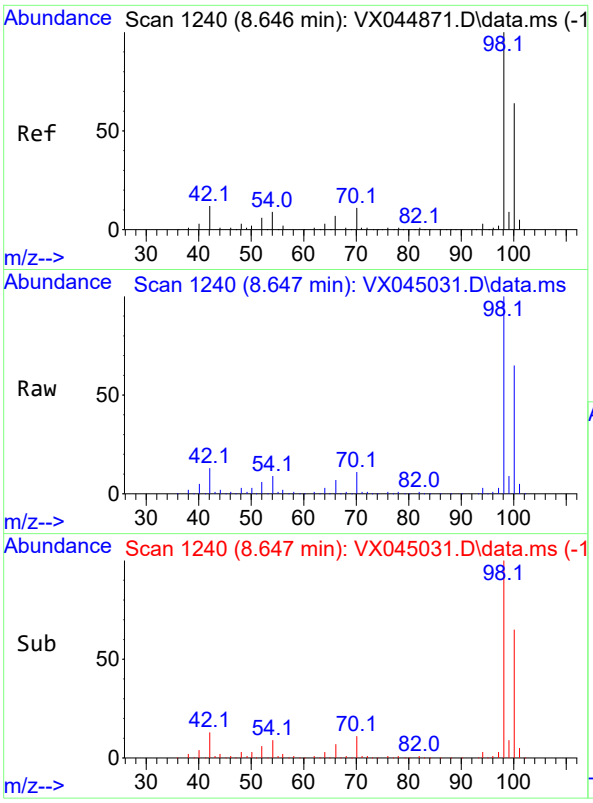


#35
Dibromofluoromethane
Concen: 50.32 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045031.D
Acq: 25 Feb 2025 12:07

Tgt Ion:113 Resp: 52139

Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.5	125.3
192	17.6	14.4	21.6



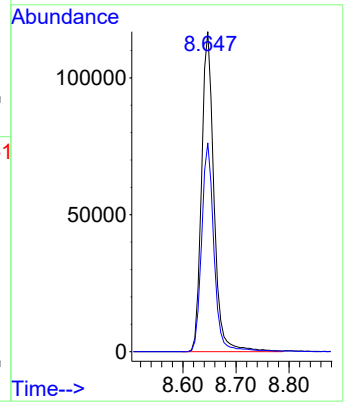


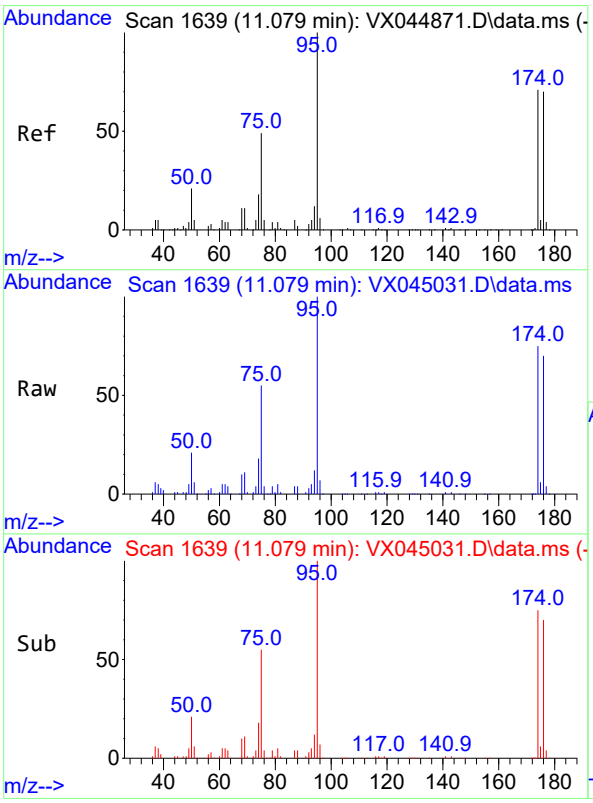
#50
Toluene-d8
Concen: 48.39 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045031.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Tgt Ion: 98 Resp: 189606

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

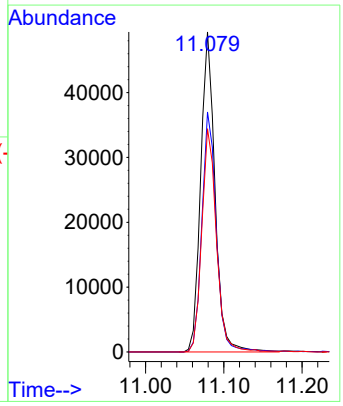


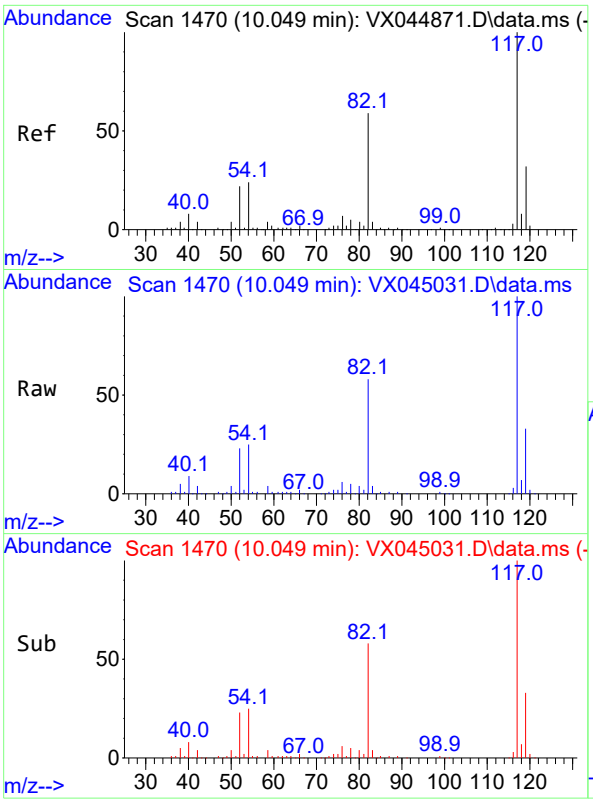


#62
4-Bromofluorobenzene
Concen: 47.52 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045031.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 95 Resp: 62773

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	142.6
176	71.2	0.0	141.6



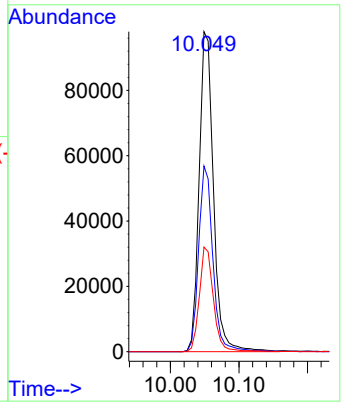


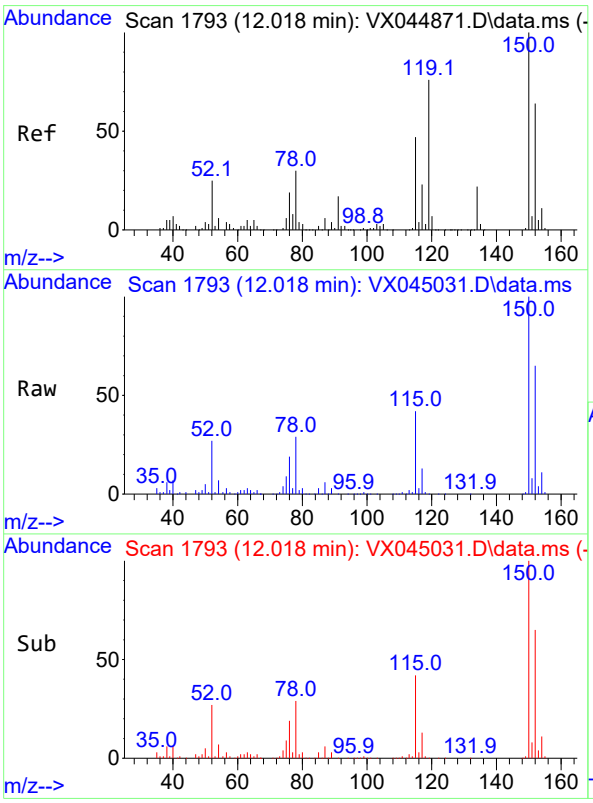
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045031.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Tgt Ion:117 Resp: 142850

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.5	71.3
119	32.7	25.4	38.0

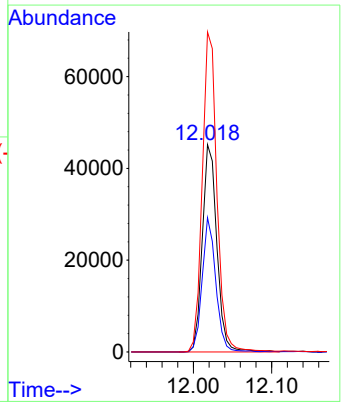




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045031.D
Acq: 25 Feb 2025 12:07

Tgt Ion:152 Resp: 58355

Ion	Ratio	Lower	Upper
152	100		
115	60.7	43.4	130.1
150	155.0	0.0	350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045031.D
Acq On : 25 Feb 2025 12:07
Operator : JC/MD
Sample : VX0225WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

Signal : TIC: VX045031.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	32	rBV	21585	31148	6.10%	1.169%
2	1.563	73	78	79	rBV3	3605	5414	1.06%	0.203%
3	1.587	79	82	87	rVB5	4768	7850	1.54%	0.295%
4	2.940	297	304	312	rVB2	3582	7586	1.49%	0.285%
5	5.379	693	704	719	rBV	58025	172629	33.79%	6.480%
6	5.544	721	731	751	rVV	82636	242122	47.40%	9.089%
7	5.952	788	798	811	rBV2	65120	174987	34.25%	6.569%
8	6.757	922	930	947	rBV	151438	375714	73.55%	14.104%
9	8.647	1233	1240	1262	rBV	312615	510838	100.00%	19.176%
10	10.049	1465	1470	1490	rBV	316434	453723	88.82%	17.032%
11	11.079	1634	1639	1651	rBV	240960	308728	60.44%	11.589%
12	12.018	1788	1793	1808	rBV	296675	373222	73.06%	14.010%

Sum of corrected areas: 2663961

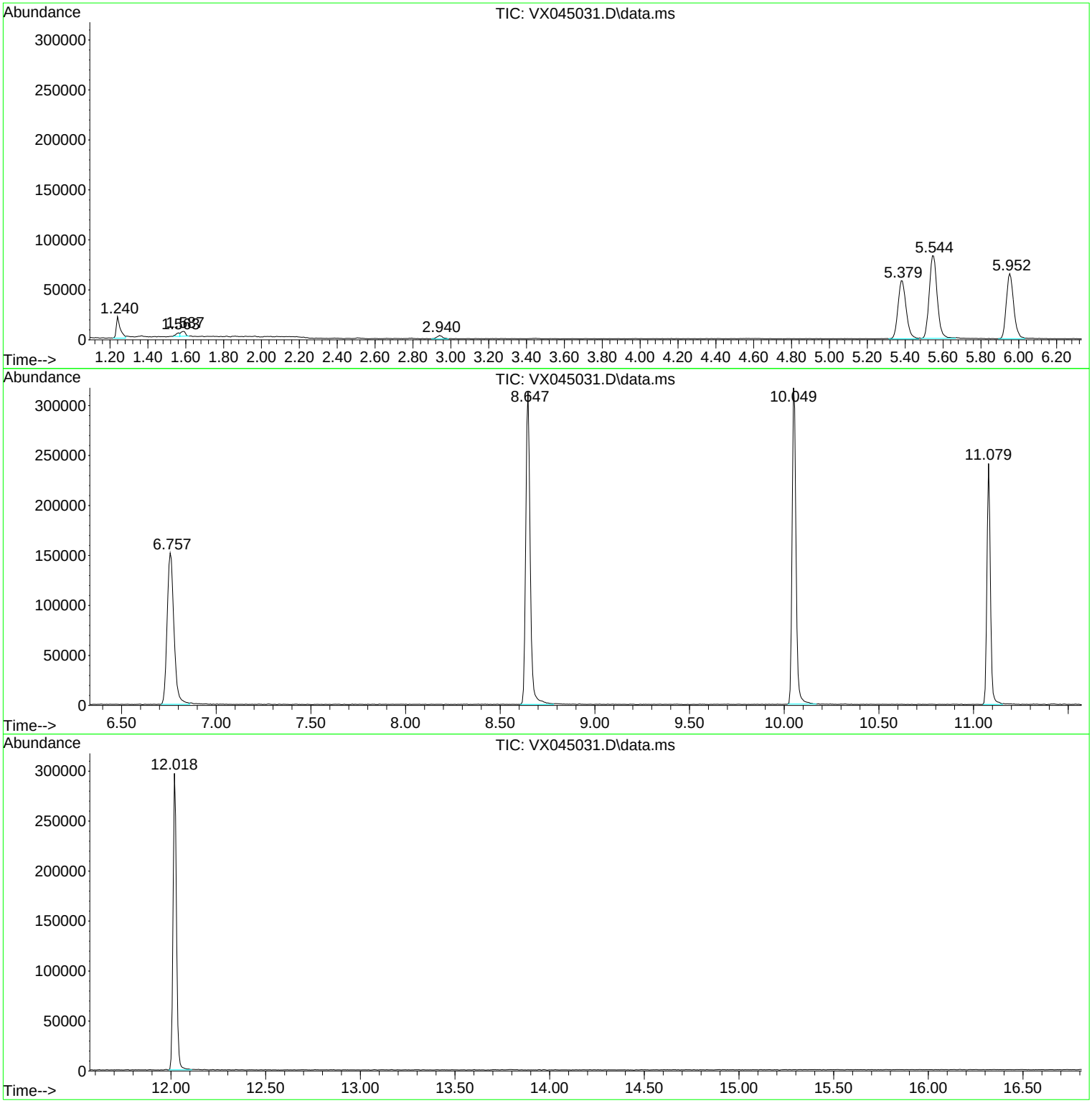
Sample Results: **VX045031.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045031.D
Acq On : 25 Feb 2025 12:07
Operator : JC/MD
Sample : VX0225WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045031.D
Acq On : 25 Feb 2025 12:07
Operator : JC/MD
Sample : VX0225WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045031.D
Acq On : 25 Feb 2025 12:07
Operator : JC/MD
Sample : VX0225WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0228WBL01	SDG No.:	Q1401
Lab Sample ID:	VX0228WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045079.D	1		02/28/25 11:23	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0228WBL01	SDG No.:	Q1401
Lab Sample ID:	VX0228WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045079.D	1		02/28/25 11:23	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	76400	5.544				
540-36-3	1,4-Difluorobenzene	149000	6.757				
3114-55-4	Chlorobenzene-d5	137000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	59700	12.018				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045079.D
Acq On : 28 Feb 2025 11:23
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	76430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	149381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60807	50.017	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.040%			
35) Dibromofluoromethane	5.385	113	50912	50.970	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.940%			
50) Toluene-d8	8.647	98	184348	50.907	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	11.079	95	63967	53.307	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.620%			

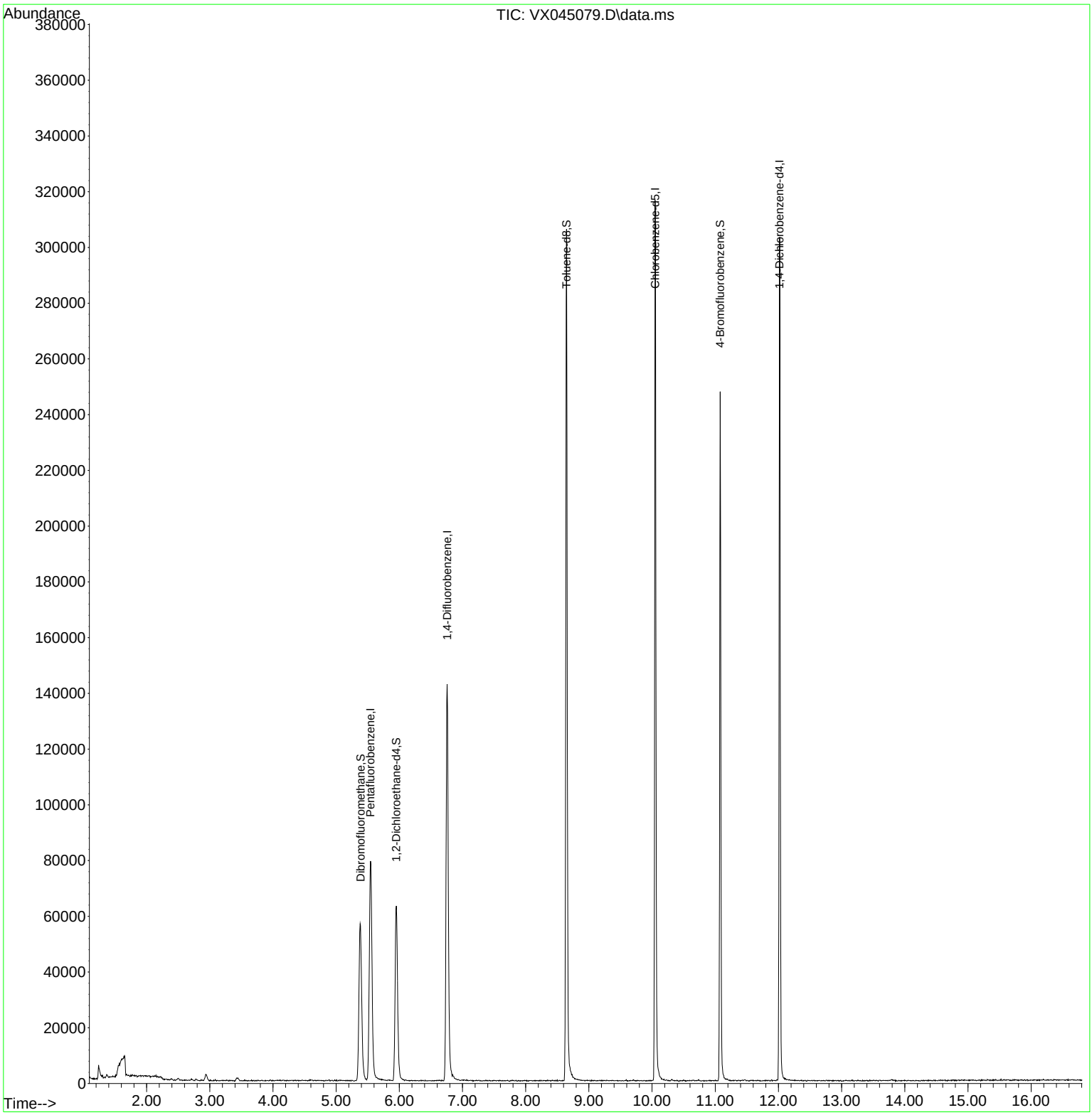
Target Compounds Qvalue

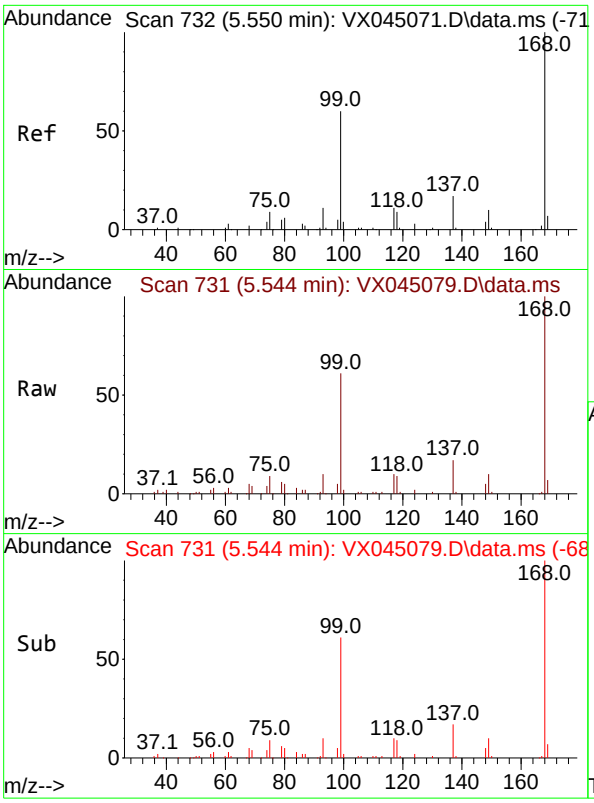
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045079.D
Acq On : 28 Feb 2025 11:23
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

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



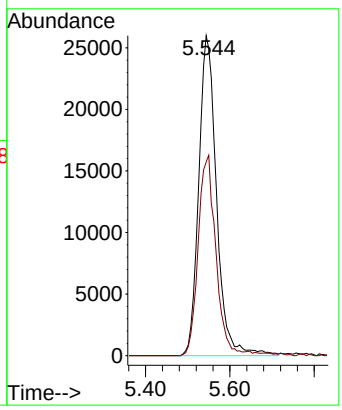


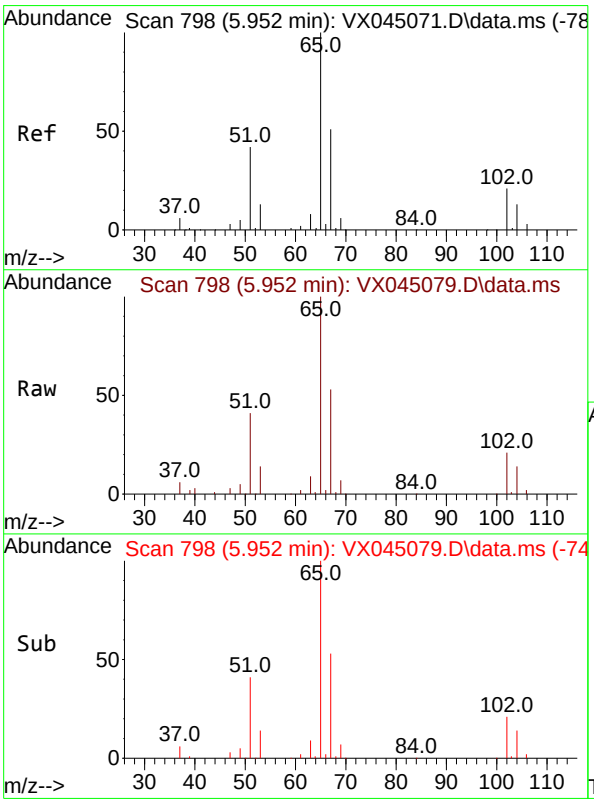
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045079.D
Acq: 28 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

Tgt Ion:168 Resp: 76430

Ion	Ratio	Lower	Upper
168	100		
99	60.6	48.2	72.4

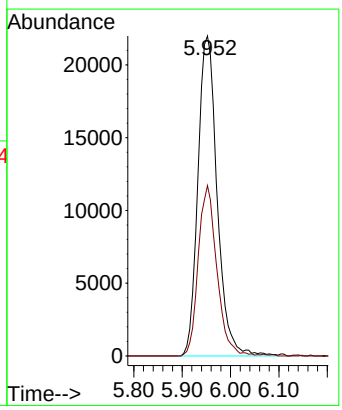


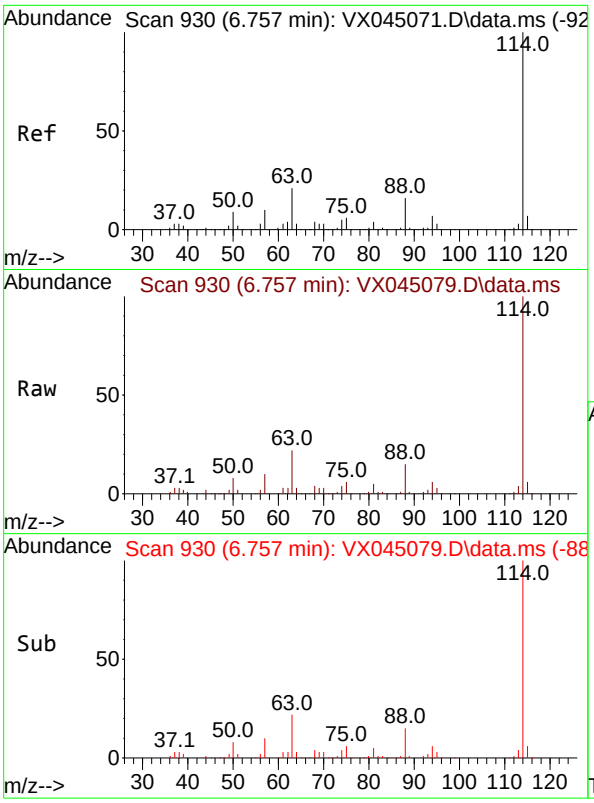


#33
1,2-Dichloroethane-d4
Concen: 50.017 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045079.D
Acq: 28 Feb 2025 11:23

Tgt Ion: 65 Resp: 60807

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	106.2



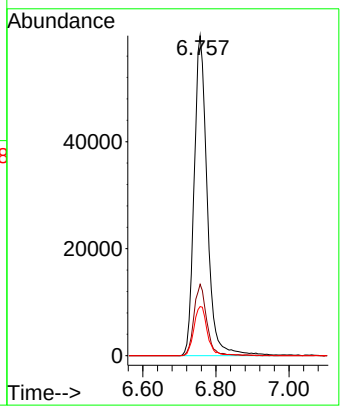


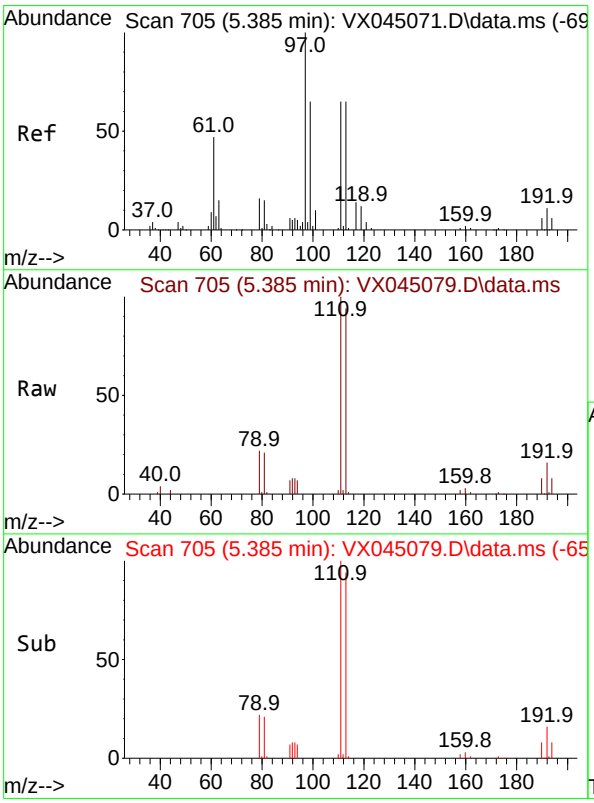
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045079.D
Acq: 28 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

Tgt Ion:114 Resp: 149381

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	15.4	0.0	32.8

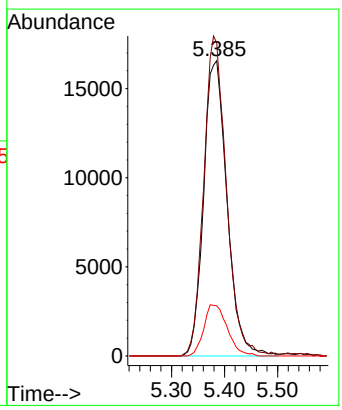


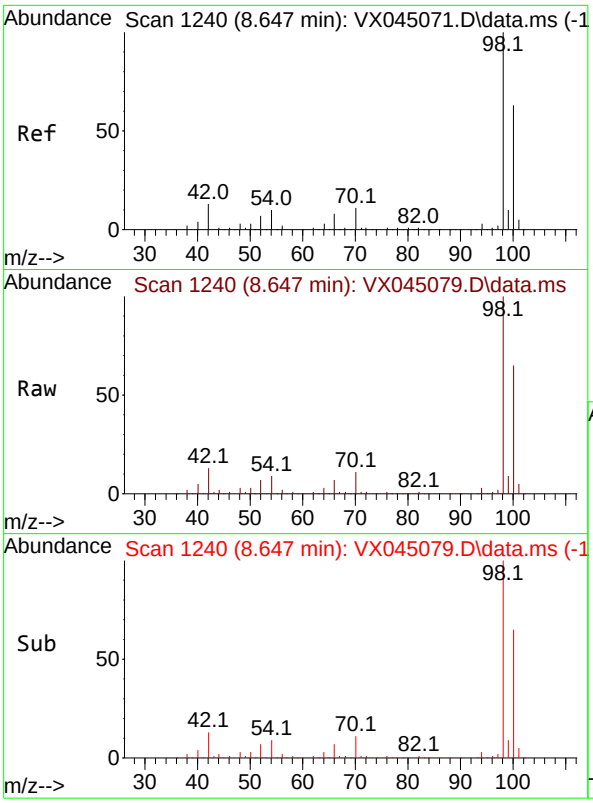


#35
Dibromofluoromethane
Concen: 50.970 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045079.D
Acq: 28 Feb 2025 11:23

Tgt Ion:113 Resp: 50912

Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.8	122.6
192	17.3	14.3	21.5



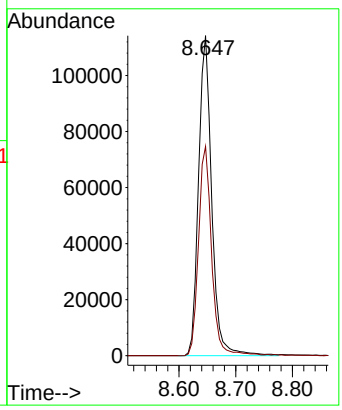


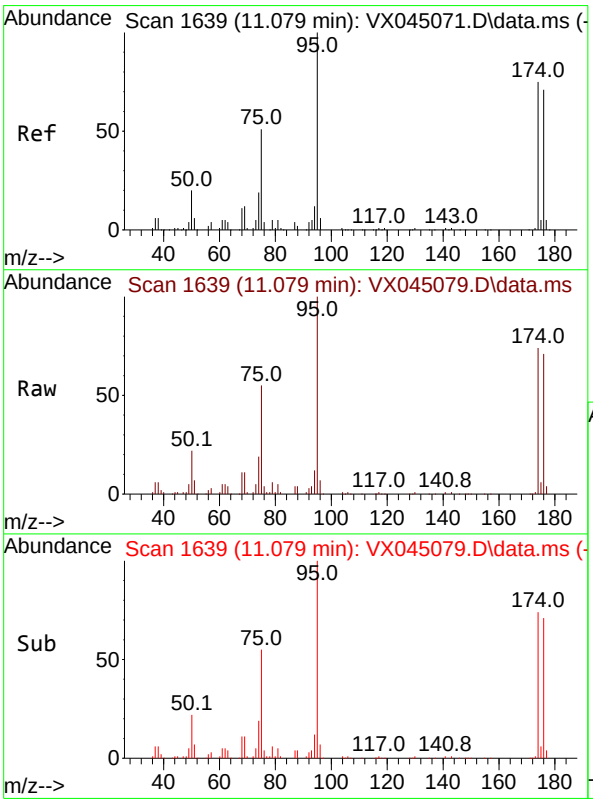
#50
Toluene-d8
Concen: 50.907 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045079.D
Acq: 28 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

Tgt Ion: 98 Resp: 184348

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

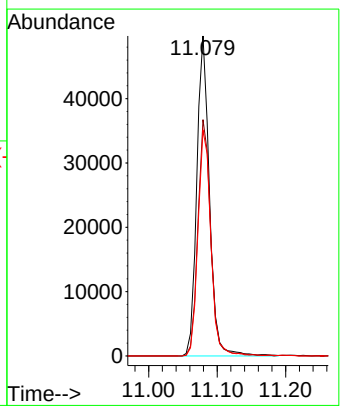


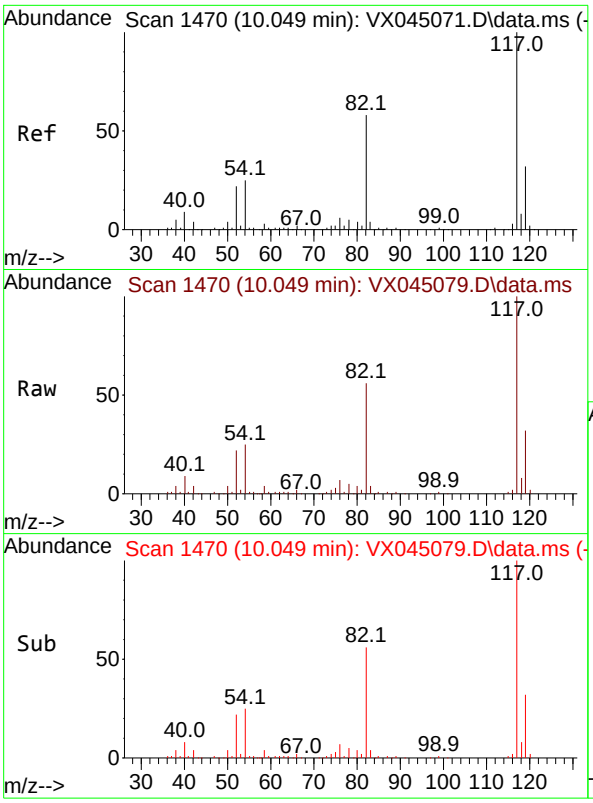


#62
4-Bromofluorobenzene
Concen: 53.307 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045079.D
Acq: 28 Feb 2025 11:23

Tgt Ion: 95 Resp: 63967

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	148.2
176	72.0	0.0	141.4



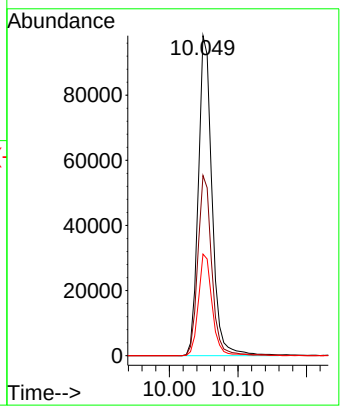


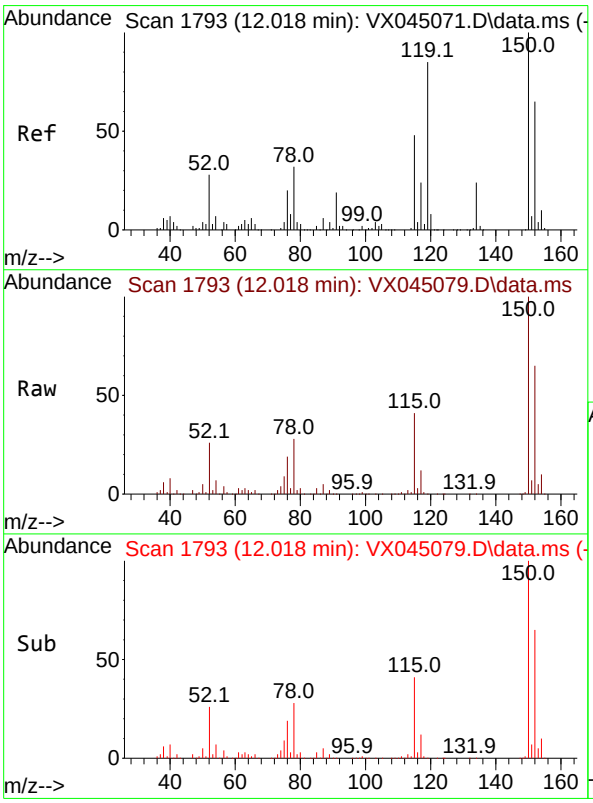
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045079.D
Acq: 28 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

Tgt Ion:117 Resp: 137180

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.3	69.5
119	31.8	25.7	38.5

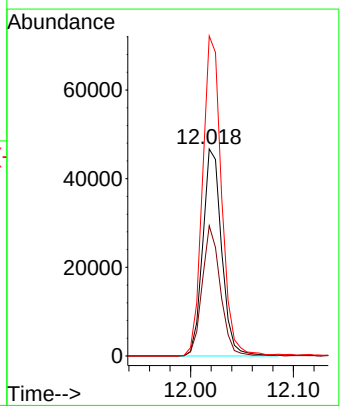




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045079.D
Acq: 28 Feb 2025 11:23

Tgt Ion:152 Resp: 59690

Ion	Ratio	Lower	Upper
152	100		
115	61.0	44.2	132.6
150	155.3	0.0	349.0



Sample Results: **VX045079.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045079.D
Acq On : 28 Feb 2025 11:23
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260

Signal : TIC: VX045079.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	33	rBV2	5155	10309	2.08%	0.401%
2	1.550	71	76	77	rBV3	3715	4993	1.01%	0.194%
3	2.934	297	303	313	rVB3	2413	6057	1.22%	0.235%
4	5.379	693	704	718	rBV2	56363	169918	34.26%	6.602%
5	5.544	721	731	746	rBV	78513	230077	46.39%	8.939%
6	5.952	789	798	819	rVB2	62701	171866	34.66%	6.678%
7	6.757	920	930	943	rBV	142345	350769	70.73%	13.629%
8	8.647	1233	1240	1253	rBV	305517	495929	100.00%	19.269%
9	10.049	1465	1470	1484	rBV	315776	436998	88.12%	16.979%
10	11.079	1634	1639	1650	rBV	247131	315742	63.67%	12.268%
11	12.018	1788	1793	1805	rBV	302493	381118	76.85%	14.808%

Sum of corrected areas: 2573776

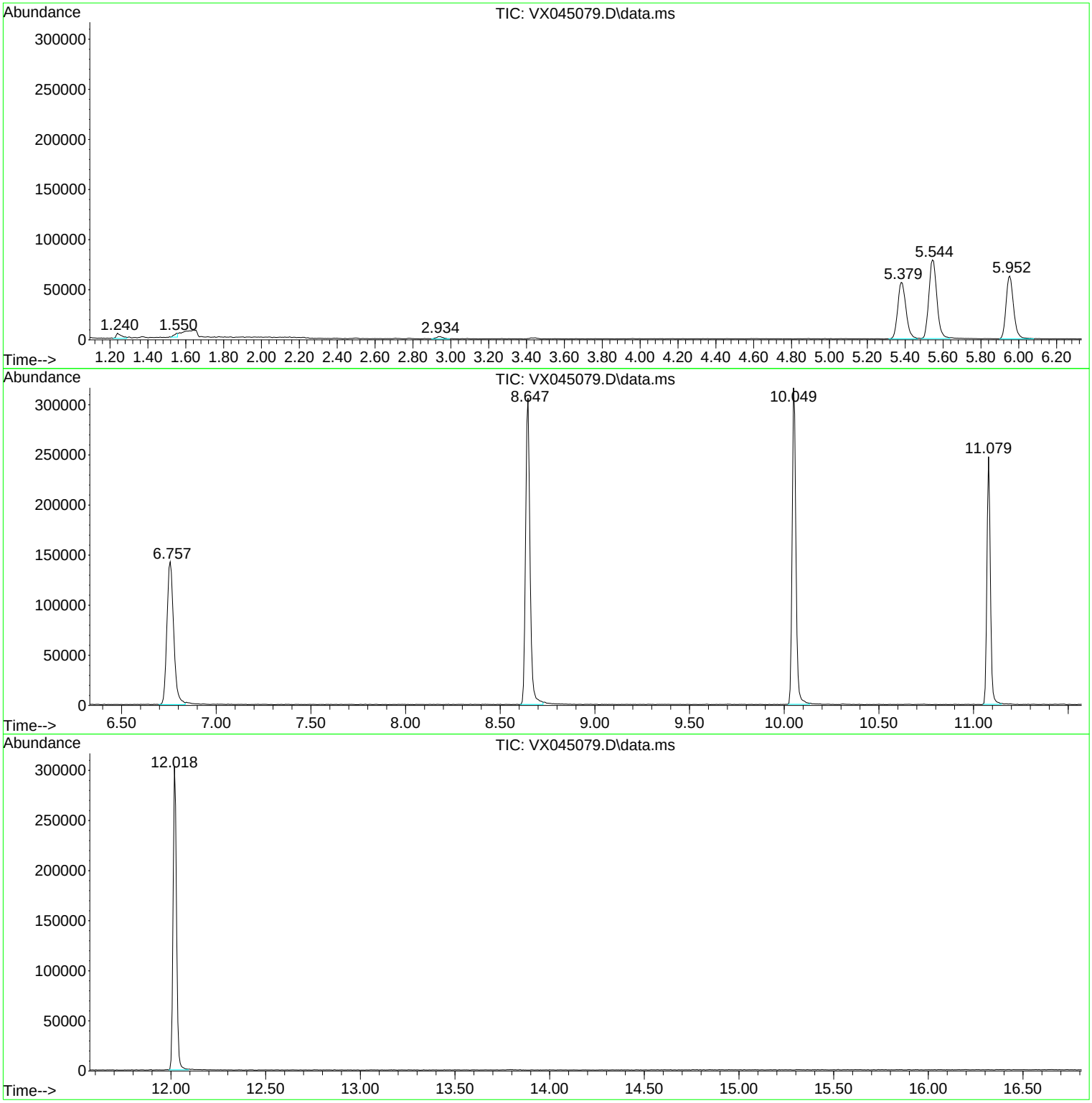
Sample Results: **VX045079.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045079.D
Acq On : 28 Feb 2025 11:23
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045079.D
Acq On : 28 Feb 2025 11:23
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045079.D
Acq On : 28 Feb 2025 11:23
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY0226SBL01	SDG No.:	Q1401
Lab Sample ID:	VY0226SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021321.D	1		02/26/25 10:50	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	2.50	U	1.20	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	2.50	U	0.77	2.50	5.00	ug/Kg
74-83-9	Bromomethane	4.00	U	1.00	4.00	5.00	ug/Kg
75-00-3	Chloroethane	2.50	U	1.00	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	4.00	U	0.91	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	0.78	2.50	5.00	ug/Kg
67-64-1	Acetone	20.0	U	6.20	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	4.00	U	1.30	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.67	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	8.00	U	3.40	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.84	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.63	2.50	5.00	ug/Kg
78-93-3	2-Butanone	20.0	U	5.70	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.87	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.61	2.50	5.00	ug/Kg
67-66-3	Chloroform	4.00	U	0.67	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.78	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	2.50	U	0.87	2.50	5.00	ug/Kg
71-43-2	Benzene	2.50	U	0.72	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.61	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.75	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.66	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	2.50	U	0.56	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	4.40	12.5	25.0	ug/Kg
108-88-3	Toluene	2.50	U	0.67	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.50	U	0.60	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.57	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.84	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	12.5	U	4.80	12.5	25.0	ug/Kg

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY0226SBL01	SDG No.:	Q1401
Lab Sample ID:	VY0226SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021321.D	1		02/26/25 10:50	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	2.50	U	0.65	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	0.89	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.74	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.62	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	5.00	U	1.40	5.00	10.0	ug/Kg
95-47-6	o-Xylene	2.50	U	0.70	2.50	5.00	ug/Kg
100-42-5	Styrene	2.50	U	0.60	2.50	5.00	ug/Kg
75-25-2	Bromoform	2.50	U	0.81	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	2.50	U	0.67	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1.10	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	0.74	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	0.80	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	0.59	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.1		71 - 136		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.1		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		79 - 119		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	251000	7.713				
540-36-3	1,4-Difluorobenzene	484000	8.615				
3114-55-4	Chlorobenzene-d5	470000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	192000	13.346				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Quant Time: Feb 27 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	251129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	483695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	470141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	192201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151228	53.084	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.160%			
35) Dibromofluoromethane	7.634	113	156988	49.505	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.020%			
50) Toluene-d8	10.109	98	601618	49.089	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.180%			
62) 4-Bromofluorobenzene	12.407	95	206622	50.096	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.200%			

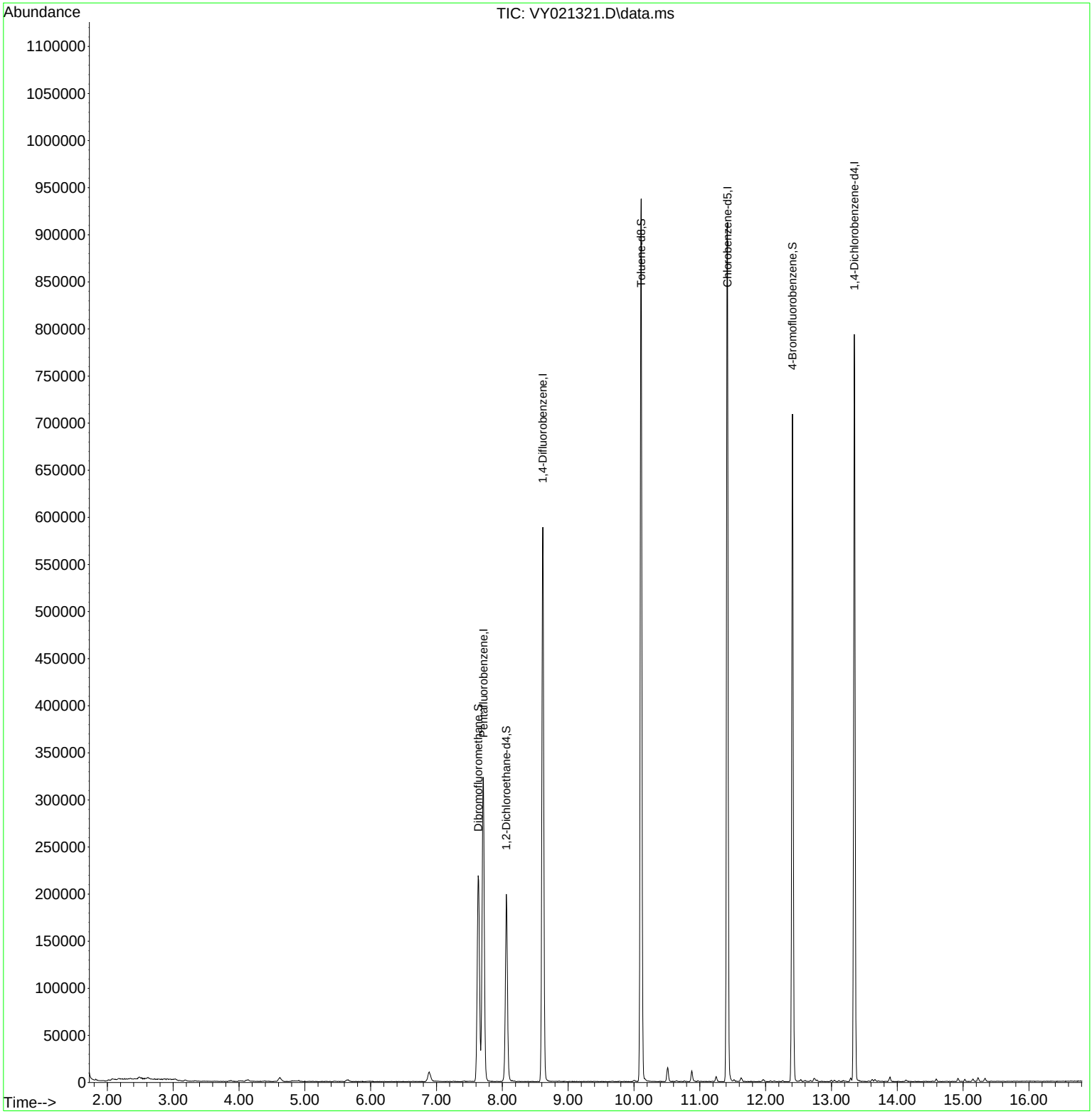
Target Compounds Qvalue

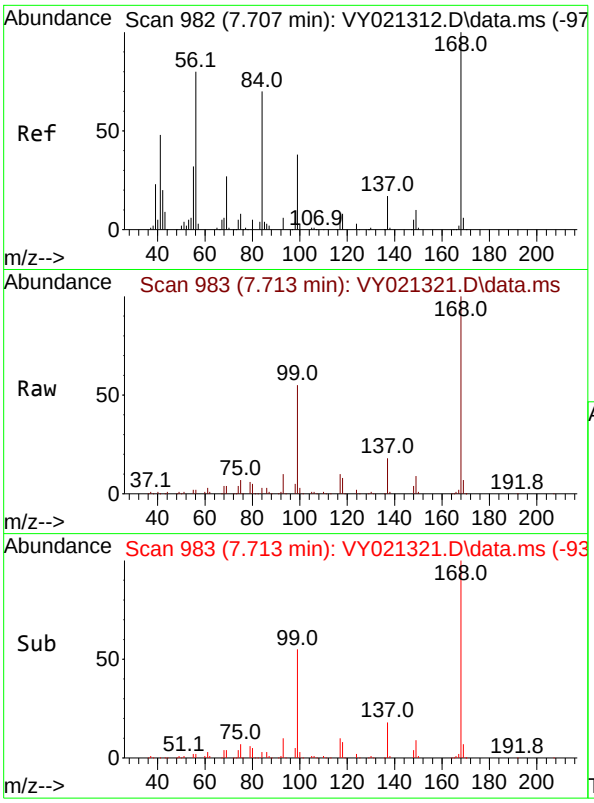
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Quant Time: Feb 27 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



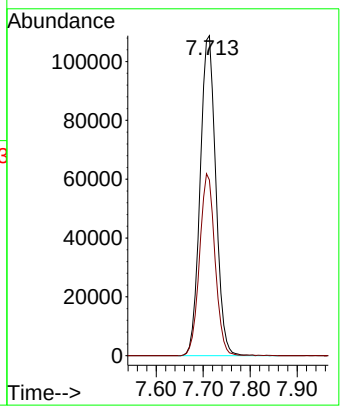


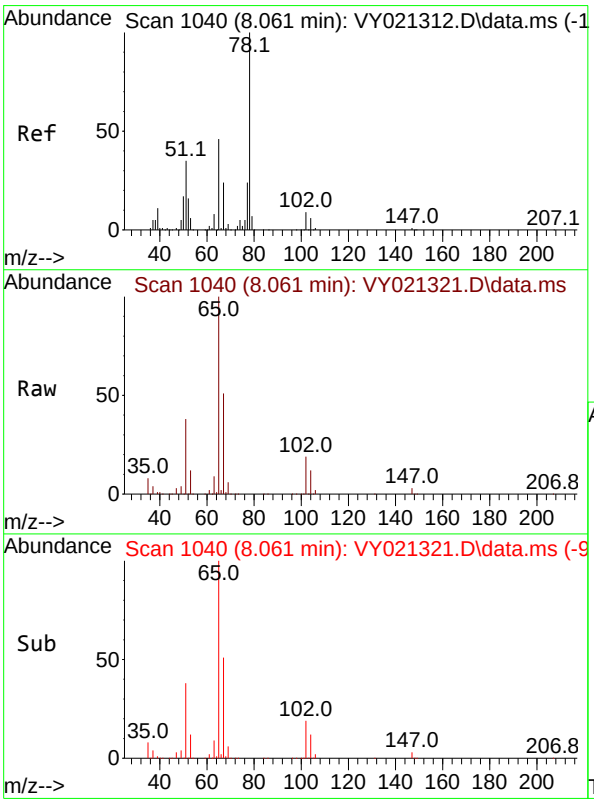
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Tgt Ion:168 Resp: 251129

Ion	Ratio	Lower	Upper
168	100		
99	54.9	47.1	70.7

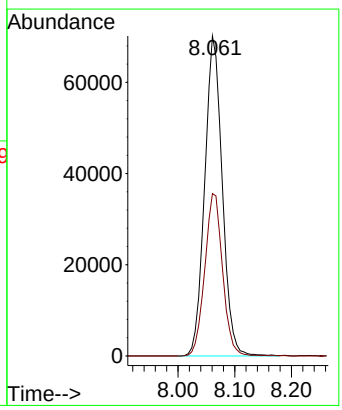


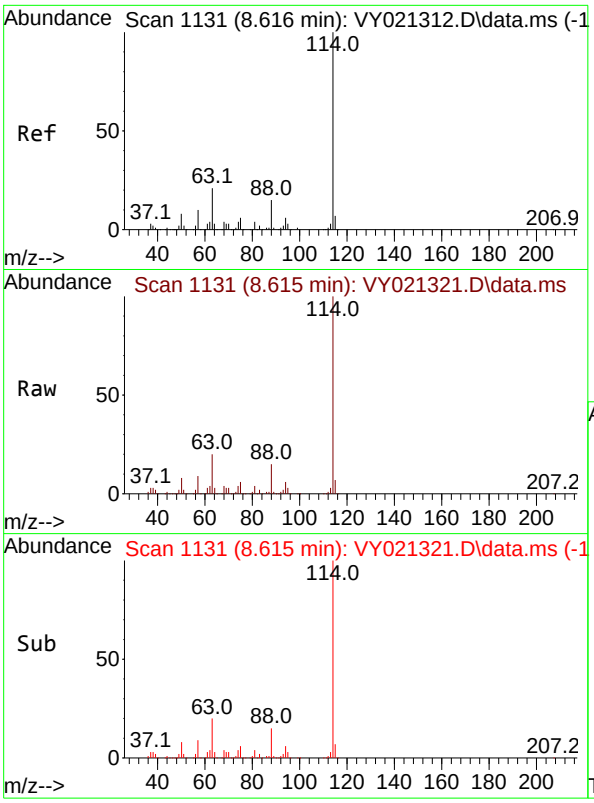


#33
1,2-Dichloroethane-d4
Concen: 53.084 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Tgt Ion: 65 Resp: 151228

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.6



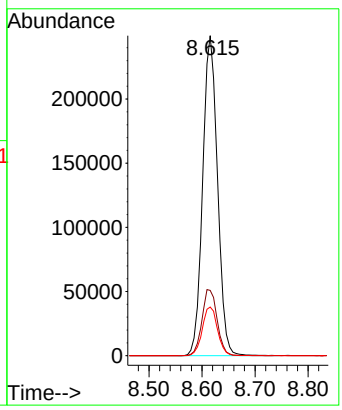


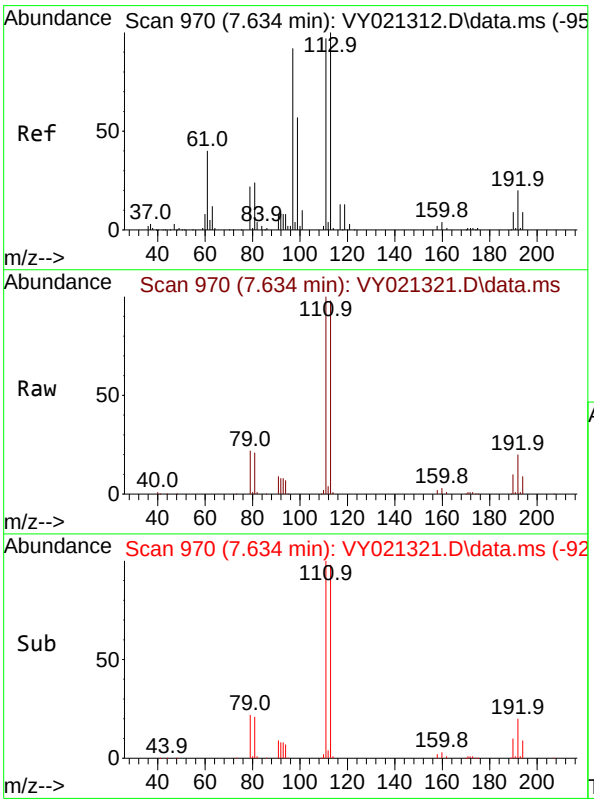
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Tgt Ion:114 Resp: 483695

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.2
88	15.2	0.0	29.8

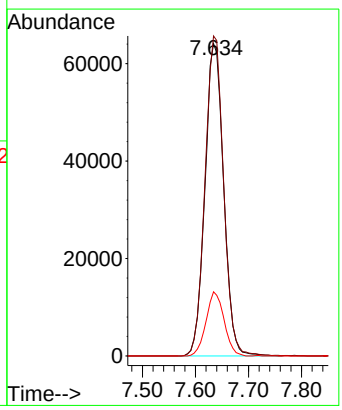


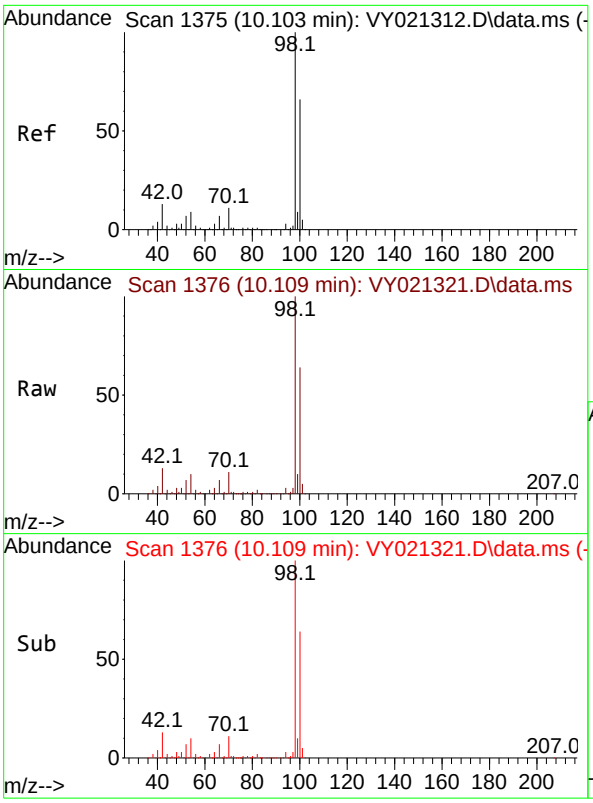


#35
Dibromofluoromethane
Concen: 49.505 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Tgt Ion:113 Resp: 156988

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.6
192	19.8	15.8	23.8



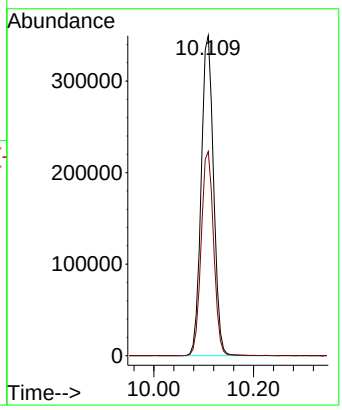


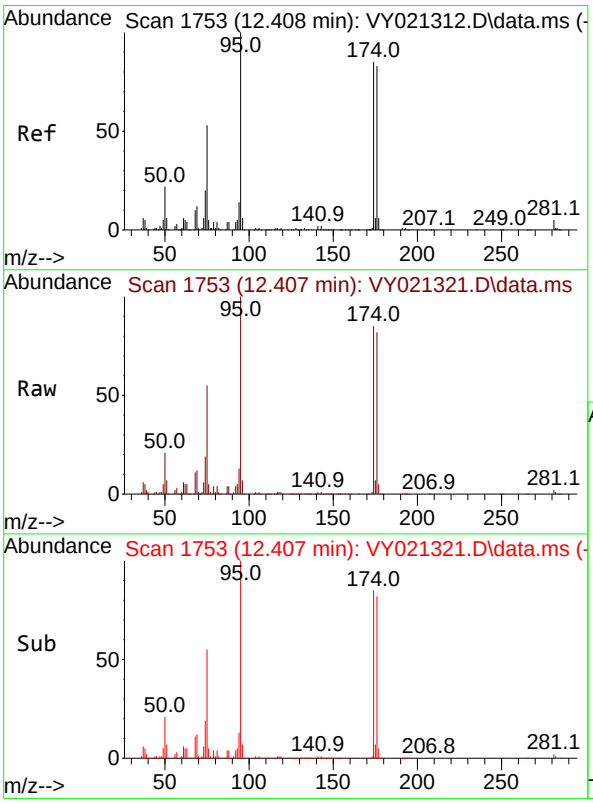
#50
Toluene-d8
Concen: 49.089 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Tgt Ion: 98 Resp: 601618

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.4	78.6

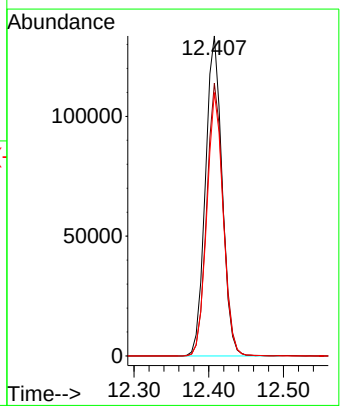


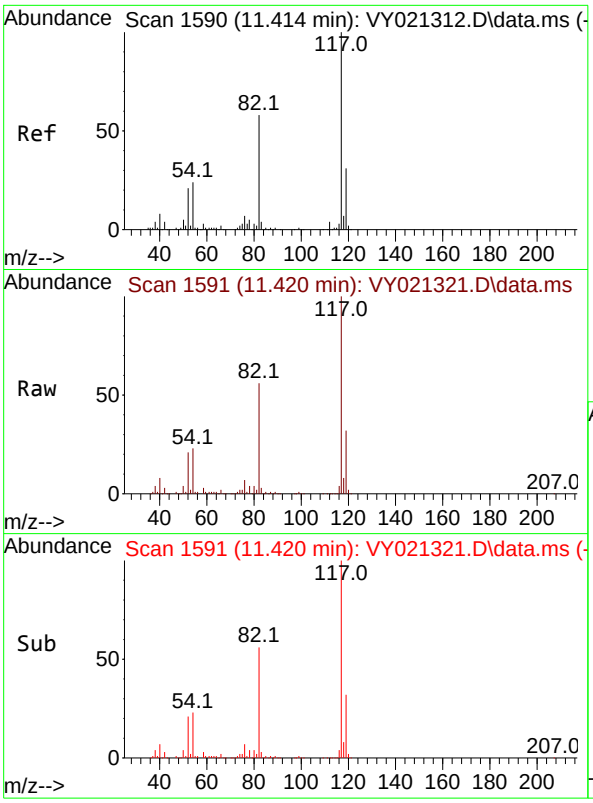


#62
4-Bromofluorobenzene
Concen: 50.096 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Tgt Ion: 95 Resp: 206622

Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	168.0
176	80.7	0.0	162.6



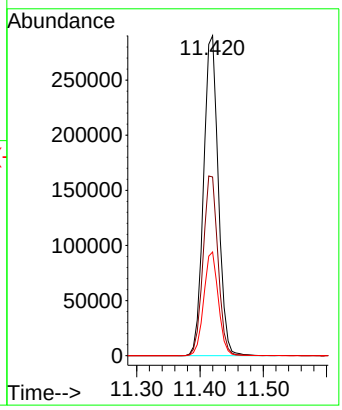


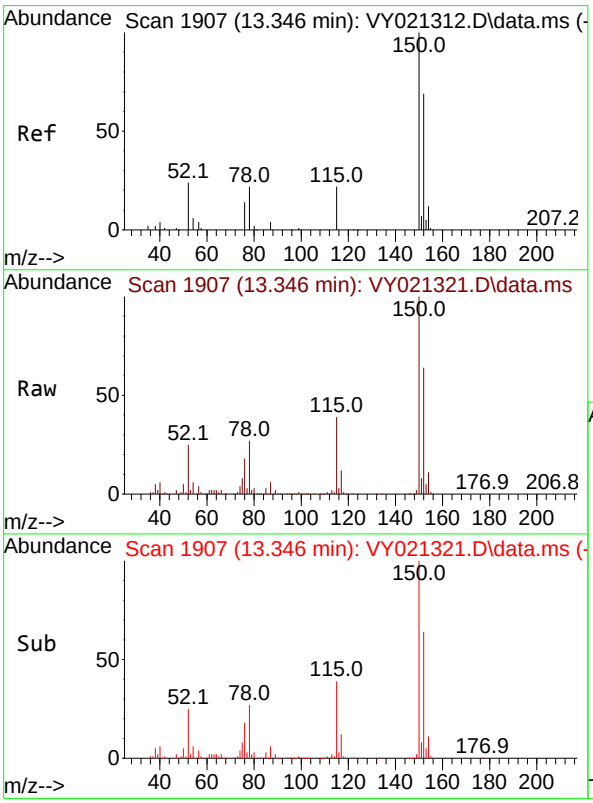
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Tgt Ion:117 Resp: 470141

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.2	69.4
119	32.4	24.9	37.3

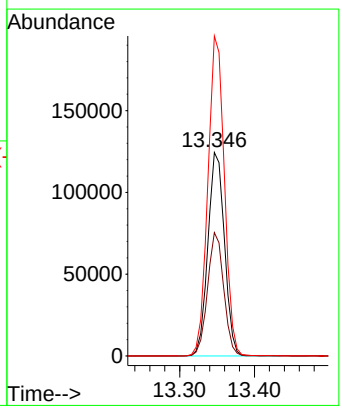




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021321.D
Acq: 26 Feb 2025 10:50

Tgt Ion:152 Resp: 192201

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	156.2	0.0	347.4



Sample Results: **VY021321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Title : SW846 8260

Signal : TIC: VY021321.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	837	848	858	rBV	10339	32583	2.00%	0.388%
2	7.634	959	970	976	rBV	218621	526717	32.34%	6.272%
3	7.707	976	982	995	rVB	322770	750354	46.06%	8.935%
4	8.061	1027	1040	1053	rBV	199017	436262	26.78%	5.195%
5	8.615	1121	1131	1146	rBV	588653	1157316	71.05%	13.781%
6	10.109	1368	1376	1393	rBV	937010	1628919	100.00%	19.397%
7	10.511	1434	1442	1451	rVB2	14814	27683	1.70%	0.330%
8	10.877	1496	1502	1512	rVB	11354	19861	1.22%	0.237%
9	11.420	1583	1591	1603	rBV	912084	1502567	92.24%	17.893%
10	12.407	1746	1753	1765	rBV	708516	1114080	68.39%	13.266%
11	13.346	1901	1907	1918	rVB	792294	1201379	73.75%	14.306%

Sum of corrected areas: 8397721

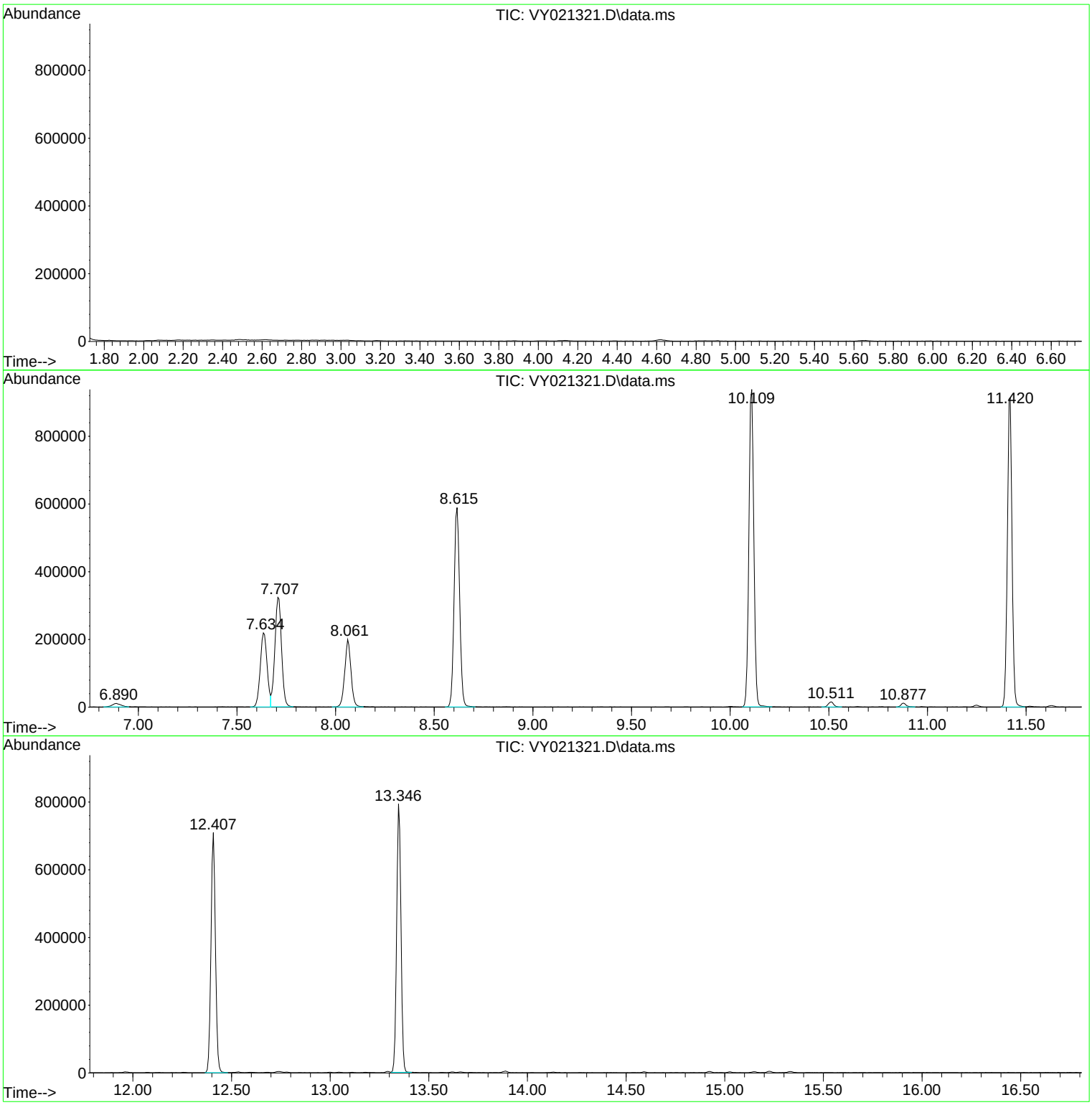
Sample Results: **VY021321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021321.D
Acq On : 26 Feb 2025 10:50
Operator : SY/MD
Sample : VY0226SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0225WBS01	SDG No.:	Q1401
Lab Sample ID:	VX0225WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045032.D	1		02/25/25 12:30	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	15.3		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.1		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.0		0.26	0.75	1.00	ug/L
67-64-1	Acetone	110		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.3		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.8		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.5		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.7		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	120		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.6		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.2		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.1		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.3		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.4		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.6		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.7		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0225WBS01	SDG No.:	Q1401
Lab Sample ID:	VX0225WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045032.D	1		02/25/25 12:30	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.2		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.8		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.5		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.0		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	21.0		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.2		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.0		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	113000	5.55				
540-36-3	1,4-Difluorobenzene	200000	6.757				
3114-55-4	Chlorobenzene-d5	175000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	80200	12.018				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045032.D
Acq On : 25 Feb 2025 12:30
Operator : JC/MD
Sample : VX0225WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 26 03:13:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	112915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	200483	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	175398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87564	52.977	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.960%			
35) Dibromofluoromethane	5.379	113	68805	52.786	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.580%			
50) Toluene-d8	8.647	98	249185	50.555	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.120%			
62) 4-Bromofluorobenzene	11.079	95	85680	51.563	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	28050	17.712	ug/l	100
3) Chloromethane	1.307	50	29473	15.291	ug/l	97
4) Vinyl Chloride	1.374	62	30981	16.591	ug/l	99
5) Bromomethane	1.593	94	11486	20.556	ug/l	97
6) Chloroethane	1.672	64	16625	21.104	ug/l	98
7) Trichlorofluoromethane	1.880	101	43909	18.594	ug/l	97
8) Diethyl Ether	2.136	74	16376	19.122	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	27245	19.096	ug/l	100
10) Methyl Iodide	2.447	142	25726	13.913	ug/l	96
11) Tert butyl alcohol	2.971	59	33544	109.394	ug/l	99
12) 1,1-Dichloroethene	2.312	96	24745	17.002	ug/l	97
13) Acrolein	2.233	56	25019	79.081	ug/l	97
14) Allyl chloride	2.660	41	47611	18.101	ug/l	96
15) Acrylonitrile	3.062	53	87273	106.598	ug/l	98
16) Acetone	2.380	43	75220	113.203	ug/l	96
17) Carbon Disulfide	2.501	76	61168	15.327	ug/l	99
18) Methyl Acetate	2.703	43	51568	24.593	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	86972	18.782	ug/l	98
20) Methylene Chloride	2.782	84	30031	18.452	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	25284	17.651	ug/l	92
22) Diisopropyl ether	3.757	45	96394	19.371	ug/l #	86
23) Vinyl Acetate	3.721	43	389594	96.035	ug/l	100
24) 1,1-Dichloroethane	3.605	63	51948	18.657	ug/l	99
25) 2-Butanone	4.556	43	125165	116.004	ug/l	95
26) 2,2-Dichloropropane	4.471	77	39084	17.701	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	32345	18.799	ug/l	98
28) Bromochloromethane	4.897	49	28300	21.150	ug/l	99
29) Tetrahydrofuran	5.007	42	82477	115.117	ug/l	96
30) Chloroform	5.092	83	52851	19.573	ug/l	92
31) Cyclohexane	5.470	56	43850	17.083	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	42871	18.718	ug/l	98
36) 1,1-Dichloropropene	5.690	75	35238	18.738	ug/l	98
37) Ethyl Acetate	4.714	43	44803	21.419	ug/l	99
38) Carbon Tetrachloride	5.672	117	36171	19.628	ug/l	95
39) Methylcyclohexane	7.373	83	44297	18.220	ug/l	99
40) Benzene	6.031	78	112321	19.128	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045032.D
Acq On : 25 Feb 2025 12:30
Operator : JC/MD
Sample : VX0225WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 26 03:13:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	25608	22.872	ug/l		98
42) 1,2-Dichloroethane	6.086	62	39901	21.320	ug/l		99
43) Isopropyl Acetate	6.342	43	72051	21.331	ug/l		98
44) Trichloroethene	7.123	130	25763	19.194	ug/l		99
45) 1,2-Dichloropropane	7.427	63	28923	19.798	ug/l		96
46) Dibromomethane	7.580	93	20964	20.692	ug/l		98
47) Bromodichloromethane	7.818	83	40022	20.401	ug/l		99
48) Methyl methacrylate	7.690	41	34929	21.931	ug/l		97
49) 1,4-Dioxane	7.659	88	15255	446.435	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	244157	118.897	ug/l		97
52) Toluene	8.714	92	68535	19.597	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	37069	18.673	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	42772	19.324	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	27858	20.722	ug/l		97
56) Ethyl methacrylate	9.116	69	43256	19.922	ug/l		97
57) 1,3-Dichloropropane	9.305	76	48017	20.413	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	93678	87.867	ug/l		100
59) 2-Hexanone	9.427	43	178305	120.511	ug/l		97
60) Dibromochloromethane	9.518	129	29060	20.212	ug/l		99
61) 1,2-Dibromoethane	9.610	107	27734	20.354	ug/l		98
64) Tetrachloroethene	9.275	164	21268	19.227	ug/l		95
65) Chlorobenzene	10.079	112	73498	19.510	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	23471	19.356	ug/l		97
67) Ethyl Benzene	10.189	91	126463	19.022	ug/l		99
68) m/p-Xylenes	10.299	106	95213	38.825	ug/l		100
69) o-Xylene	10.640	106	47911	19.470	ug/l		100
70) Styrene	10.652	104	79389	20.025	ug/l		99
71) Bromoform	10.799	173	18971	20.964	ug/l	#	100
73) Isopropylbenzene	10.957	105	122826	19.026	ug/l		100
74) N-amyl acetate	10.841	43	56740	19.423	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	43721	19.709	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	35383m	19.905	ug/l		
77) Bromobenzene	11.195	156	29066	19.860	ug/l		93
78) n-propylbenzene	11.305	91	140796	18.896	ug/l		100
79) 2-Chlorotoluene	11.360	91	85351	18.638	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	101697	19.413	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	11282	16.327	ug/l		87
82) 4-Chlorotoluene	11.451	91	95392	18.828	ug/l		98
83) tert-Butylbenzene	11.713	119	103475	19.525	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	101154	19.564	ug/l		98
85) sec-Butylbenzene	11.890	105	125785	19.167	ug/l		100
86) p-Isopropyltoluene	12.006	119	100881	19.116	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	50150	18.633	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	50714	18.636	ug/l		99
89) n-Butylbenzene	12.329	91	87150	18.666	ug/l		99
90) Hexachloroethane	12.536	117	18072	18.288	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	50875	19.233	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8167	20.172	ug/l		98
93) 1,2,4-Trichlorobenzene	13.591	180	28457	17.779	ug/l		99
94) Hexachlorobutadiene	13.725	225	12009	18.900	ug/l		98
95) Naphthalene	13.774	128	109343	18.898	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	29764	18.454	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045032.D
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Operator : JC/MD
Sample : VX0225WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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Instrument :
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ClientSampleId :
VX0225WBS01

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

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

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ClientSampleId :
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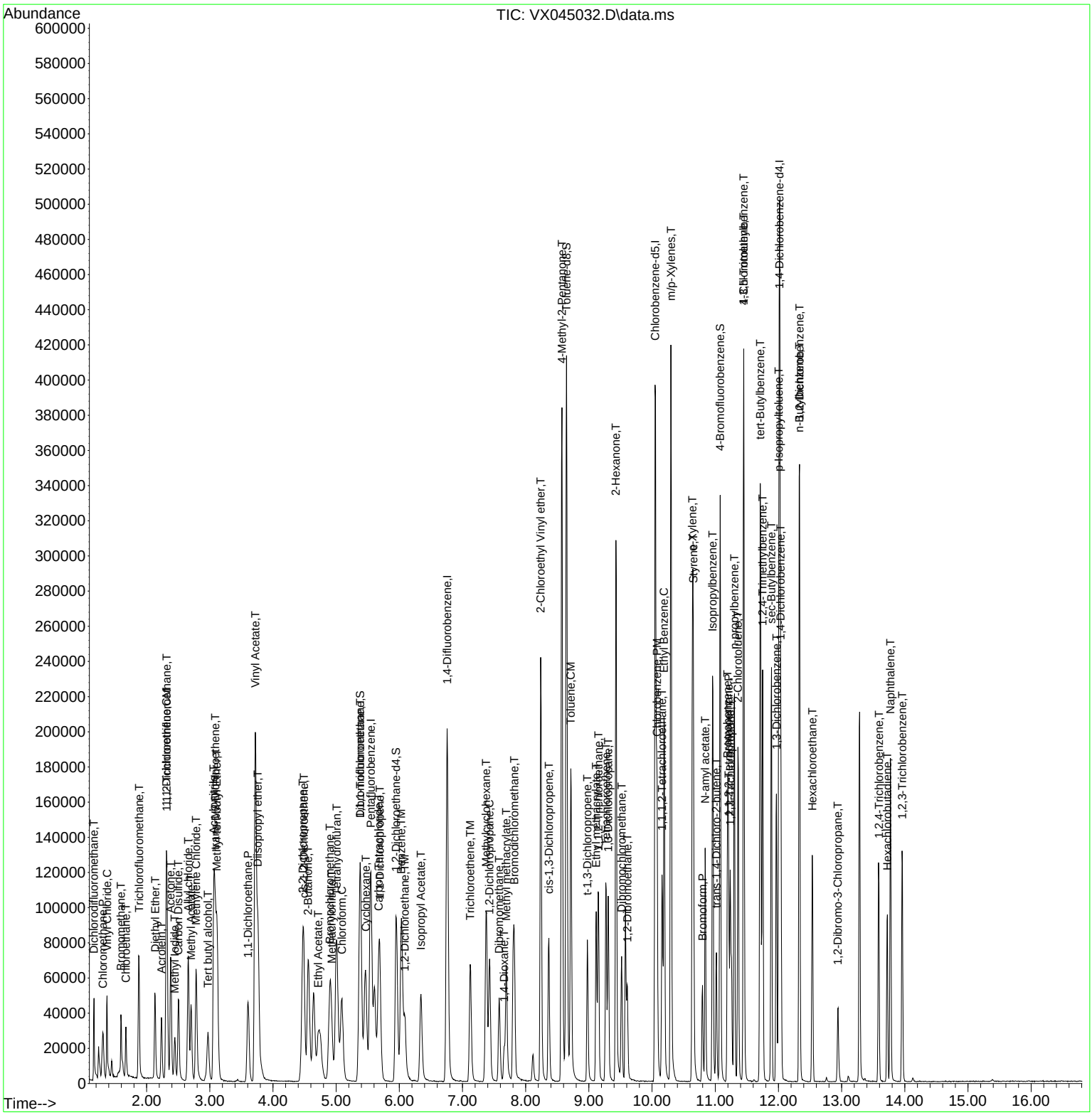
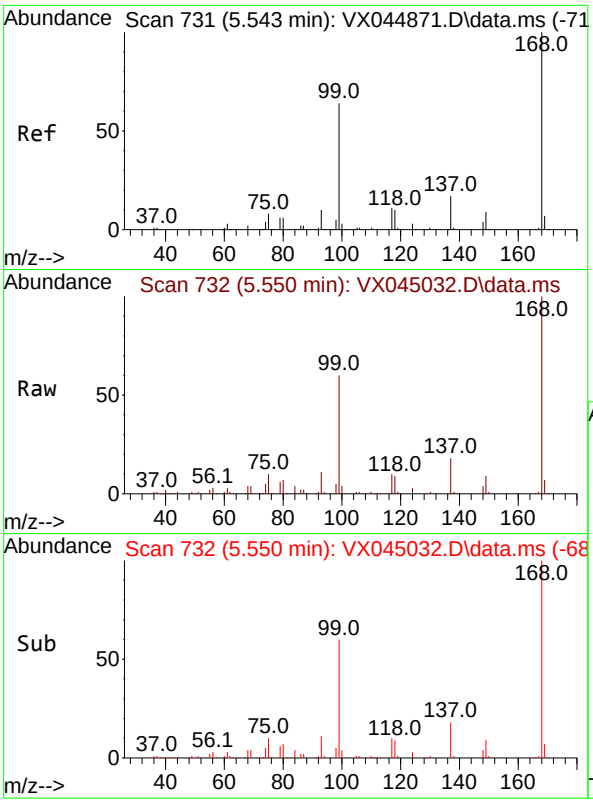
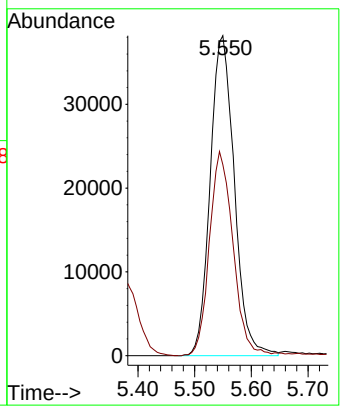




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:168 Resp: 11291

Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.2	76.8



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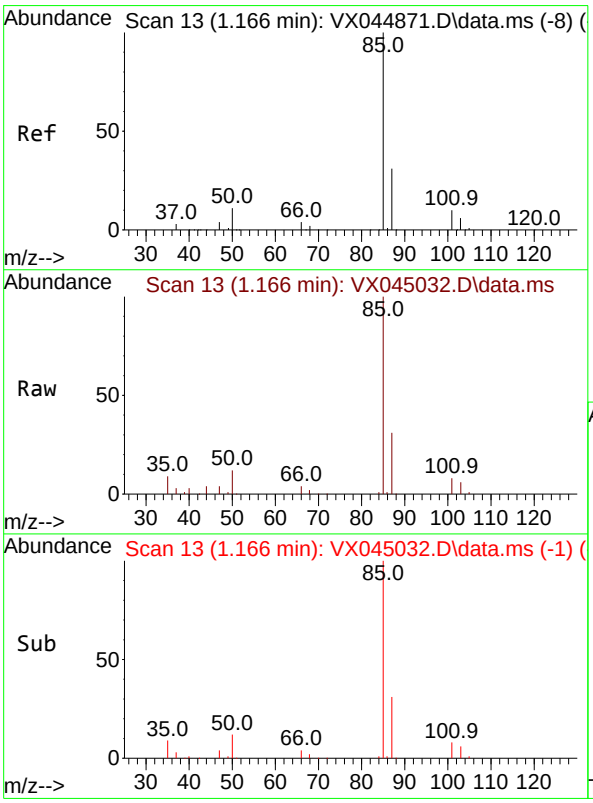
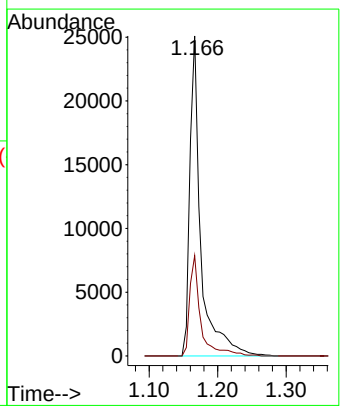
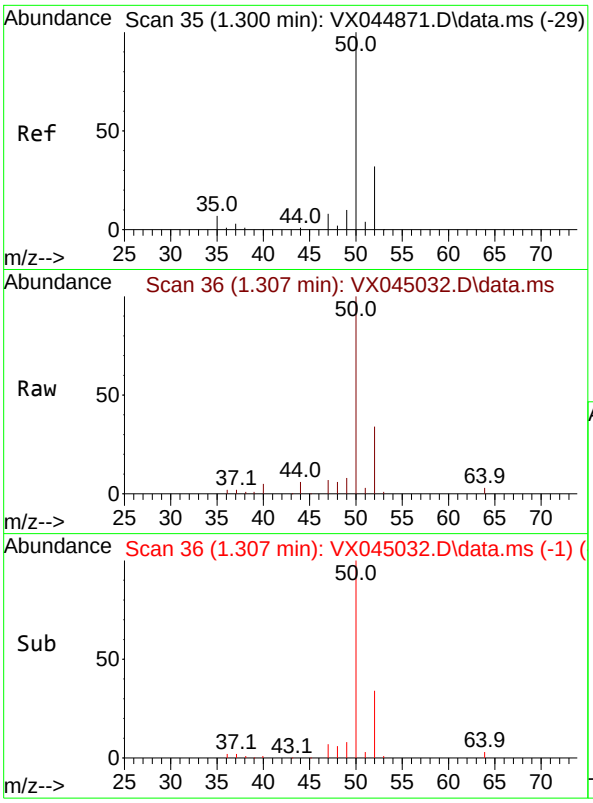


#2
Dichlorodifluoromethane
Concen: 17.712 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 85 Resp: 28050

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.8	47.3

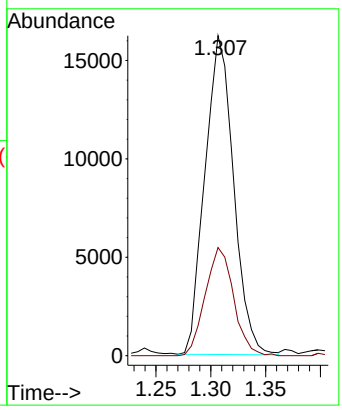




#3
Chloromethane
Concen: 15.291 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 50 Resp: 2947

Ion	Ratio	Lower	Upper
50	100		
52	34.0	25.9	38.9



Instrument :
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ClientSampleId :
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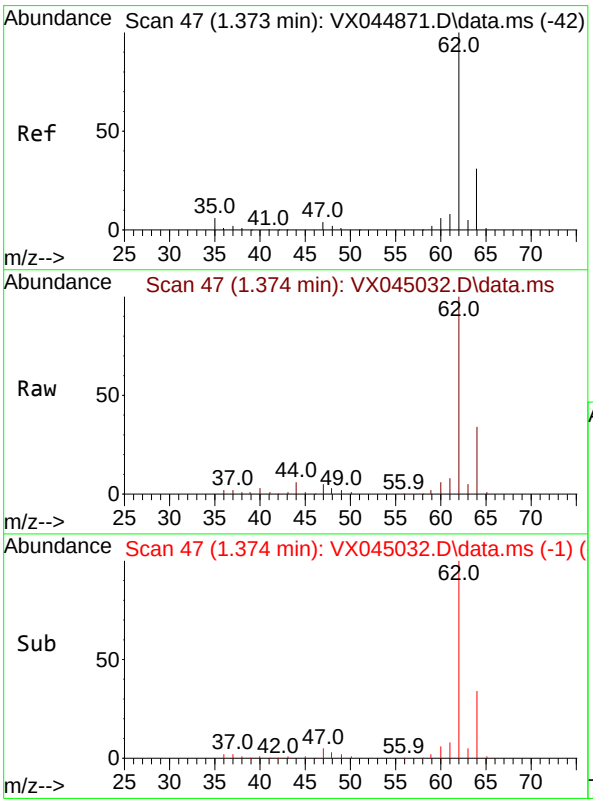
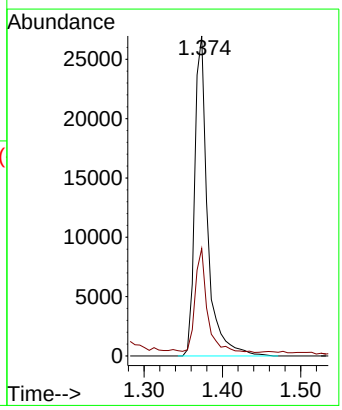
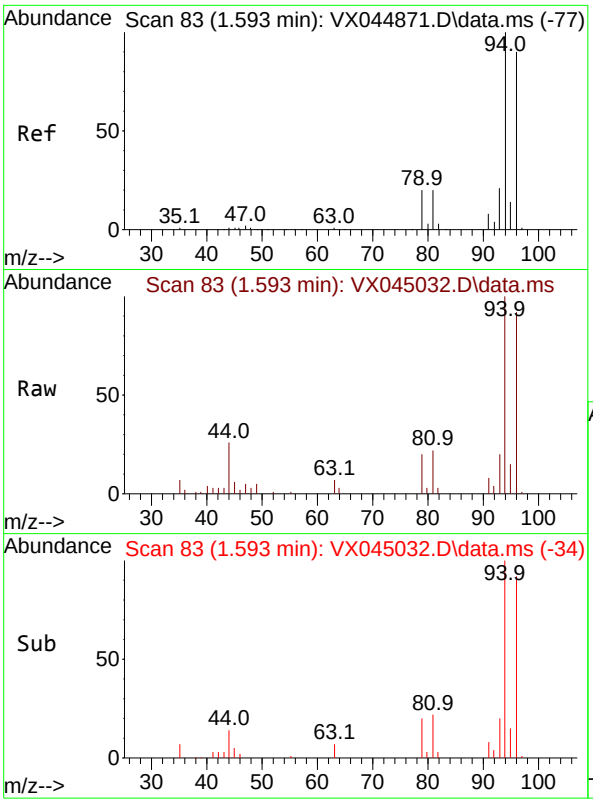


#4
Vinyl Chloride
Concen: 16.591 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 62 Resp: 30981

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.4	38.0

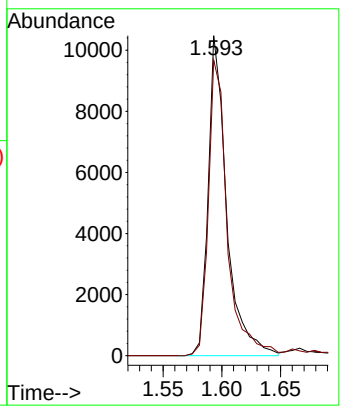




#5
Bromomethane
Concen: 20.556 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 94 Resp: 1148

Ion	Ratio	Lower	Upper
94	100		
96	92.4	71.6	107.4



Instrument :
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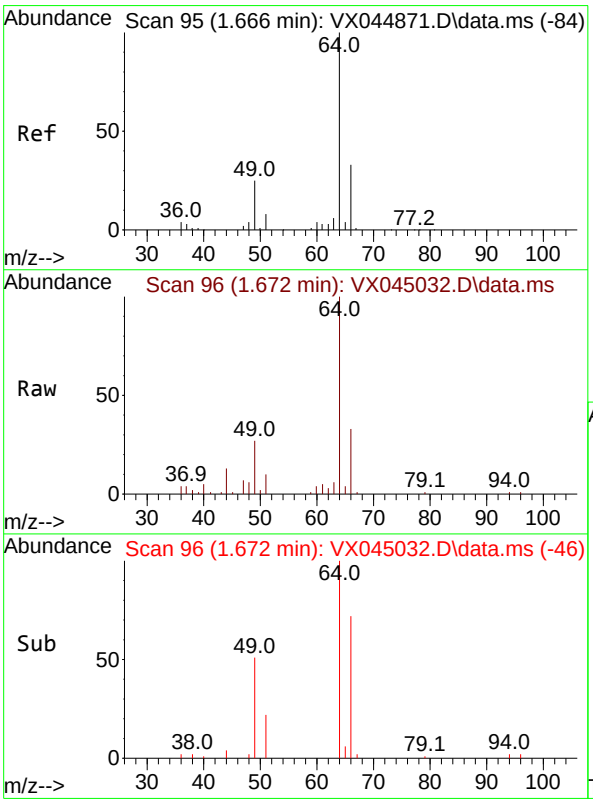
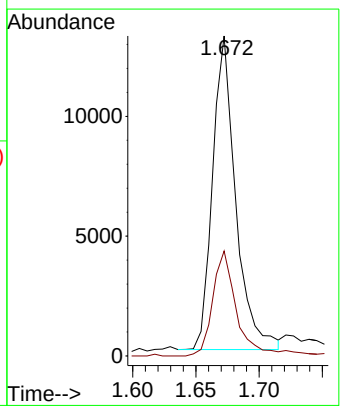
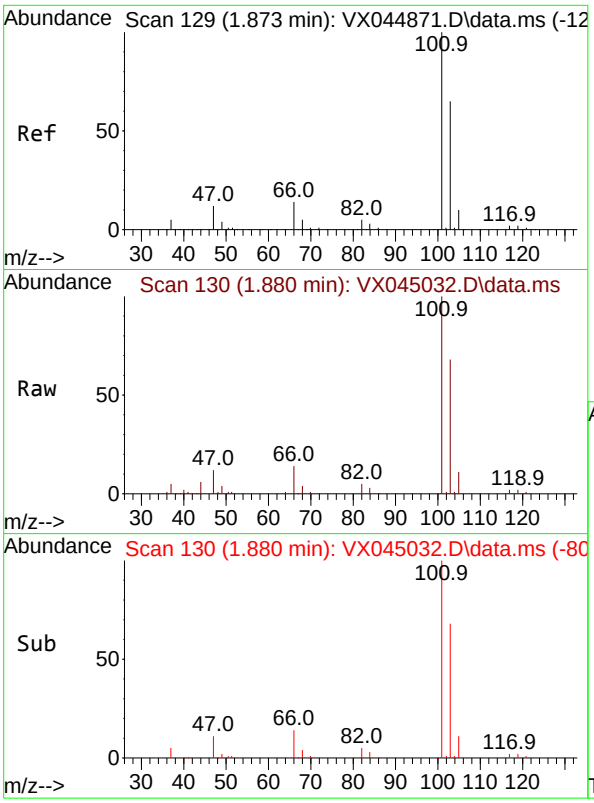


#6
Chloroethane
Concen: 21.104 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 64 Resp: 16625

Ion	Ratio	Lower	Upper
64	100		
66	33.5	25.9	38.9

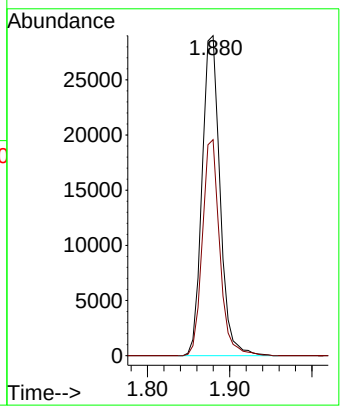




#7
Trichlorofluoromethane
Concen: 18.594 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:101 Resp: 4390

Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.4	78.6



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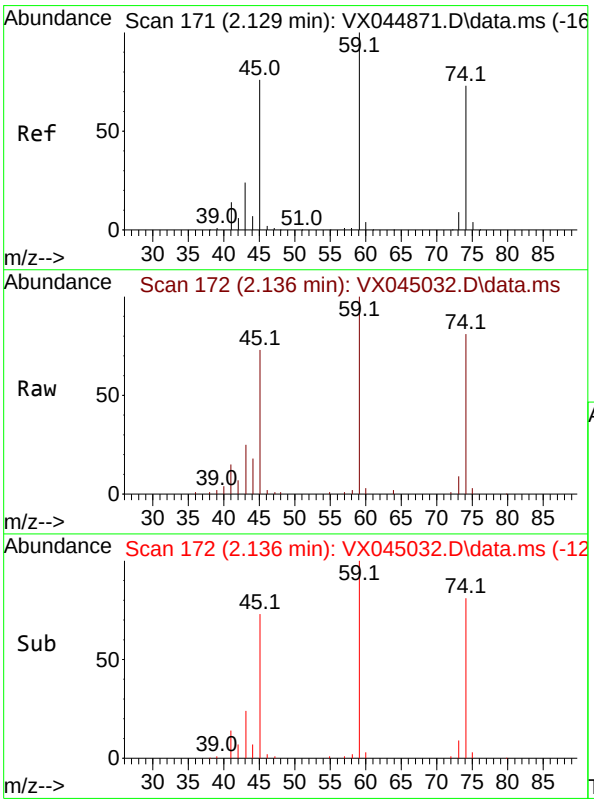
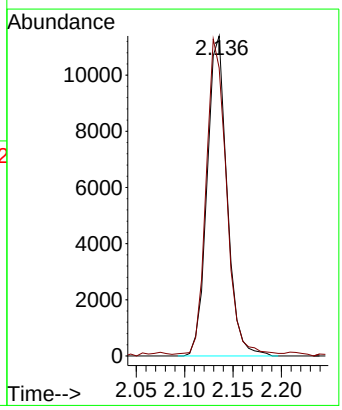
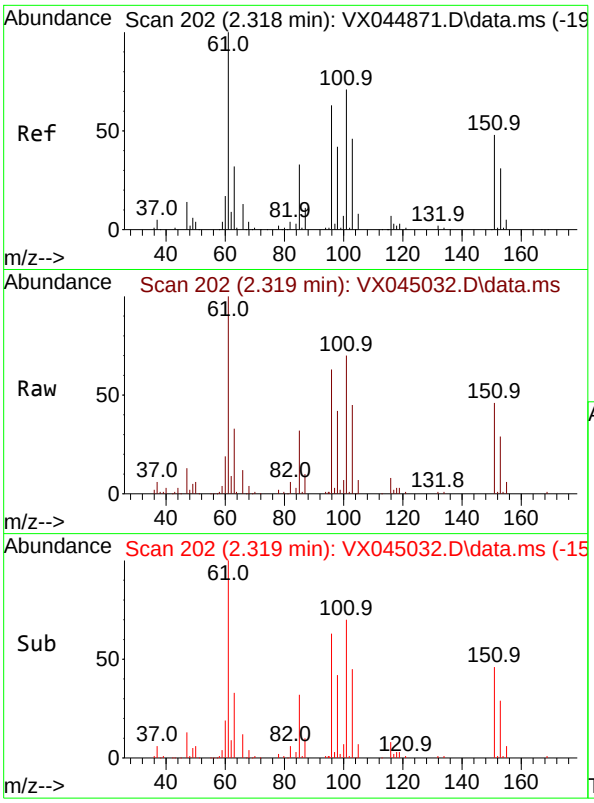


#8
Diethyl Ether
Concen: 19.122 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.007 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 74 Resp: 16376

Ion	Ratio	Lower	Upper
74	100		
45	99.4	51.1	153.4

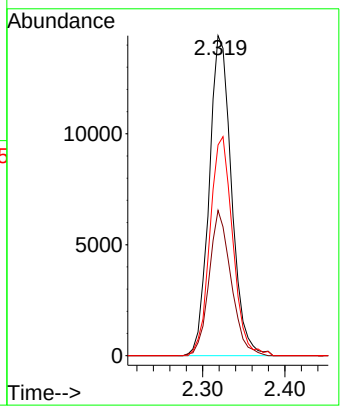




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.096 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:101 Resp: 2724

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.7	53.5
151	70.0	56.0	84.0



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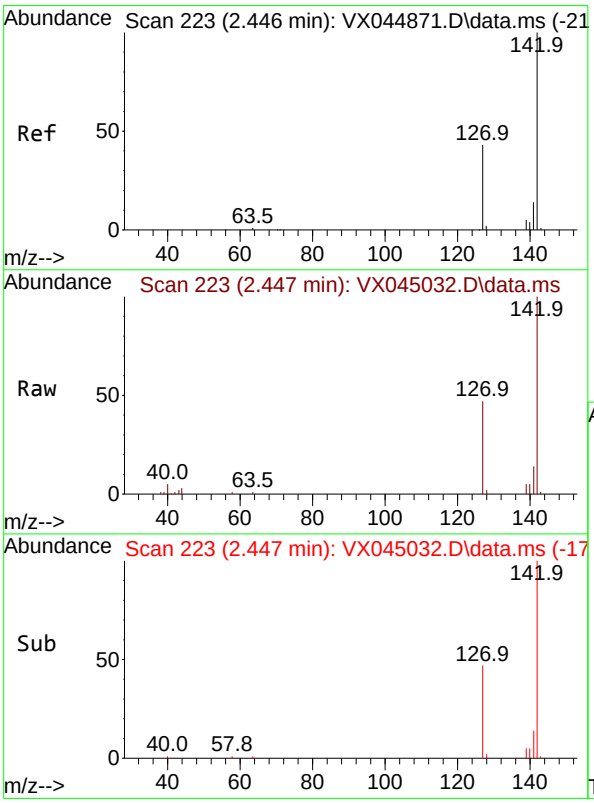
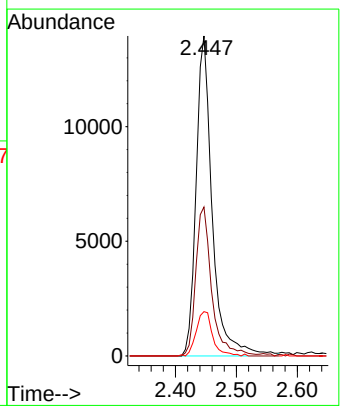
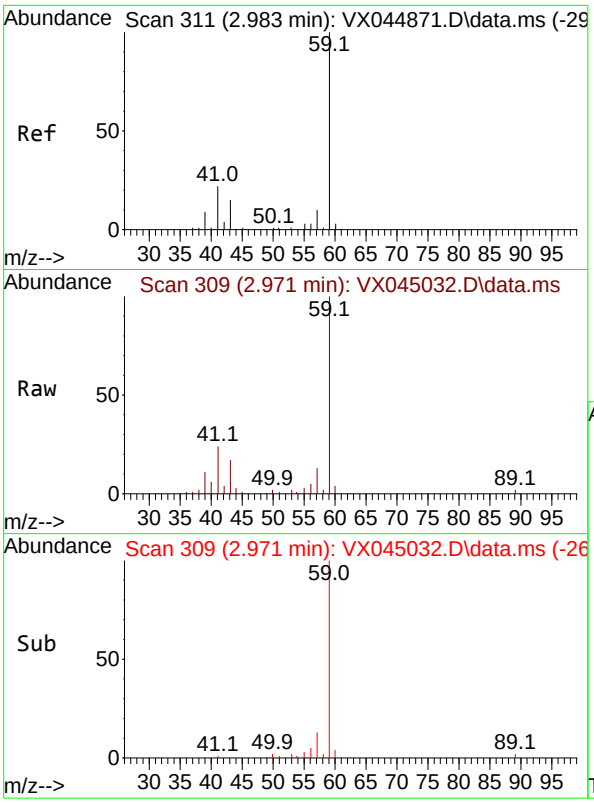


#10
Methyl Iodide
Concen: 13.913 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:142 Resp: 25726

Ion	Ratio	Lower	Upper
142	100		
127	45.9	34.3	51.5
141	14.1	11.4	17.2

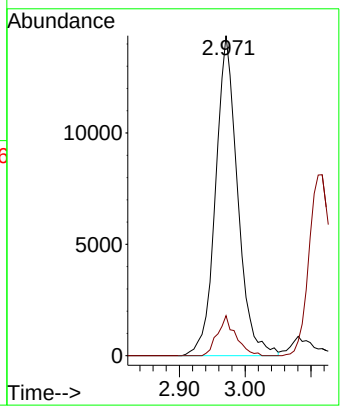




#11
Tert butyl alcohol
Concen: 109.394 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 59 Resp: 3354

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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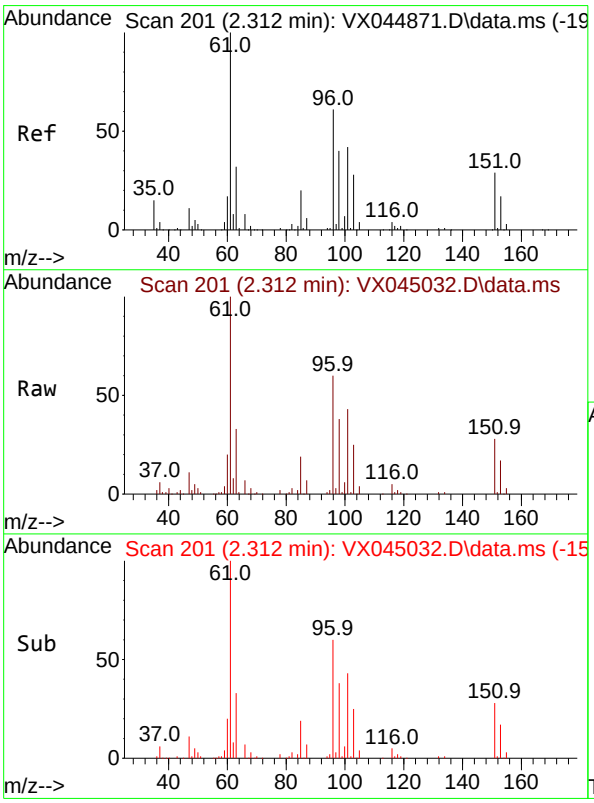
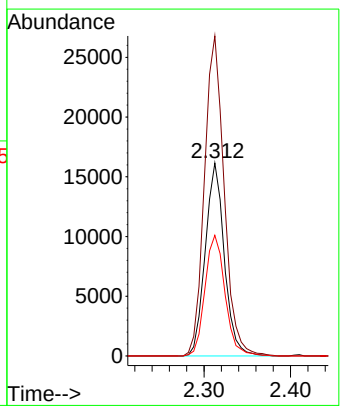
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

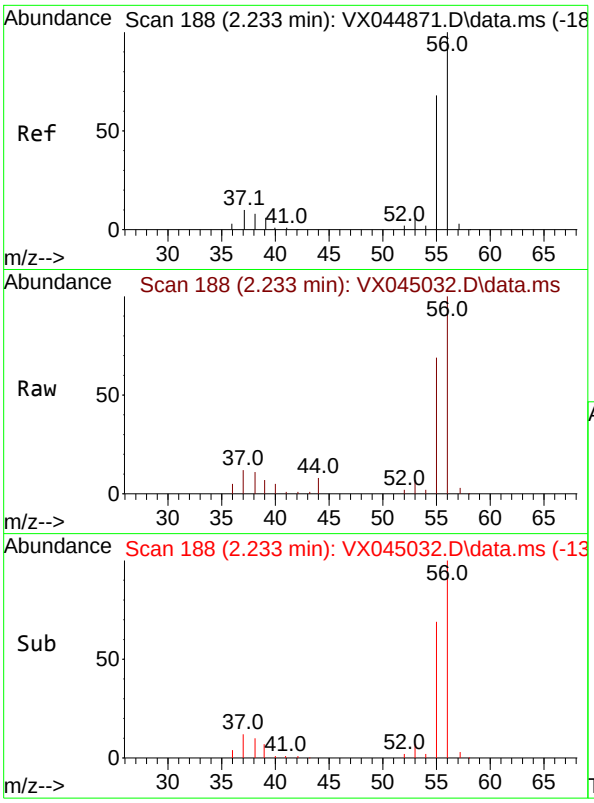


#12
1,1-Dichloroethene
Concen: 17.002 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 96 Resp: 24745

Ion	Ratio	Lower	Upper
96	100		
61	165.9	130.2	195.4
98	62.5	52.2	78.4

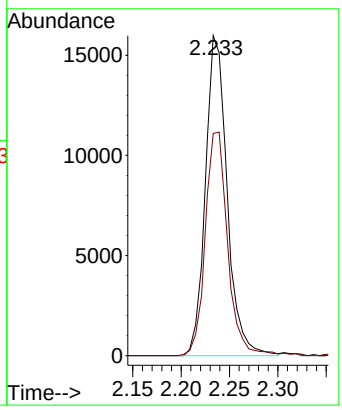




#13
Acrolein
Concen: 79.081 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 56 Resp: 2501

Ion	Ratio	Lower	Upper
56	100		
55	72.2	55.7	83.5



Instrument :
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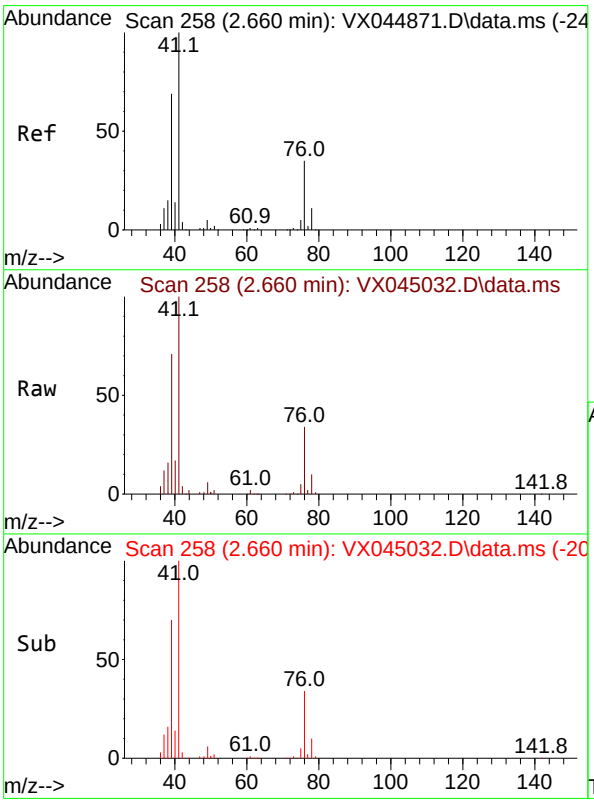
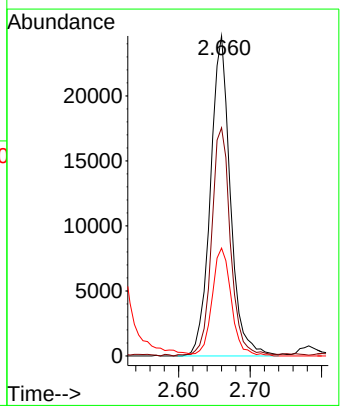
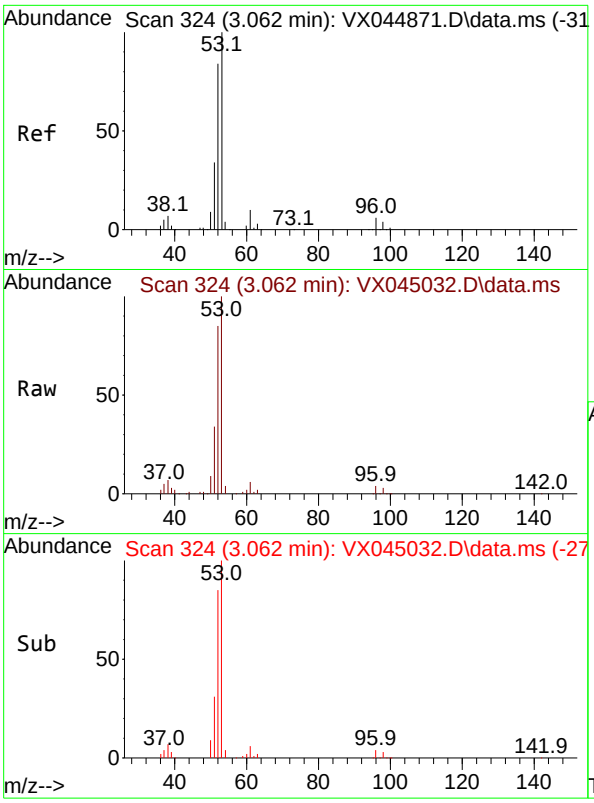


#14
Allyl chloride
Concen: 18.101 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 41 Resp: 47611

Ion	Ratio	Lower	Upper
41	100		
39	67.9	51.4	77.2
76	32.5	27.0	40.4





#15
Acrylonitrile
Concen: 106.598 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 53 Resp: 8727

Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.0	97.6
51	36.5	28.0	42.0

Instrument :
MSVOA_X
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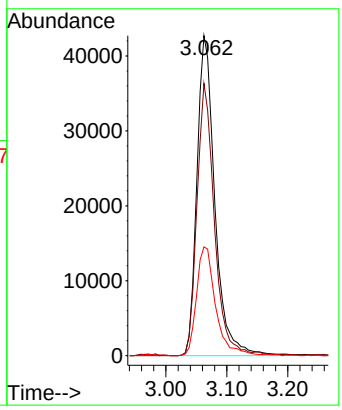
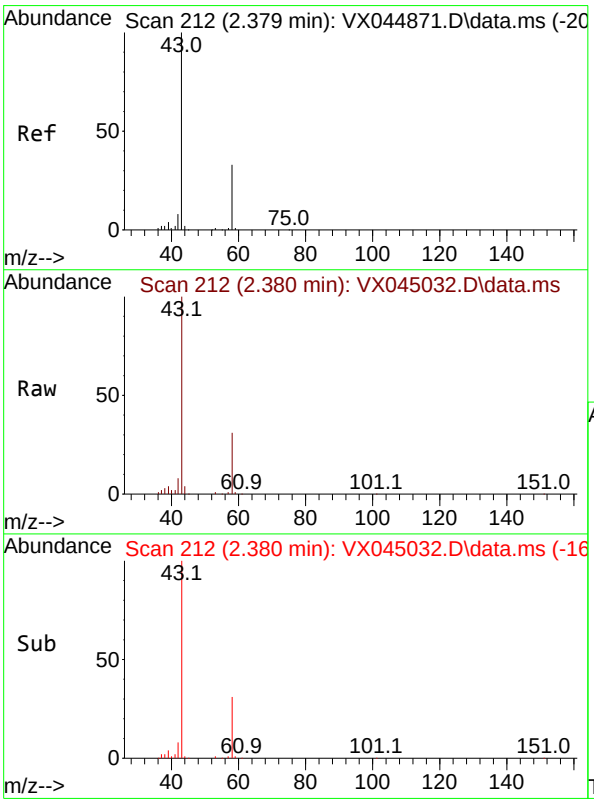
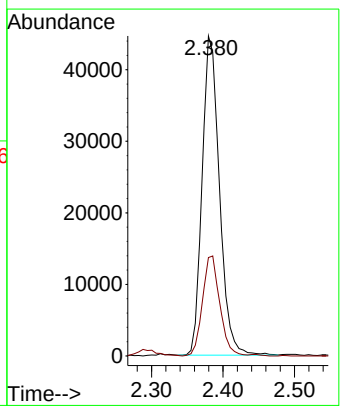


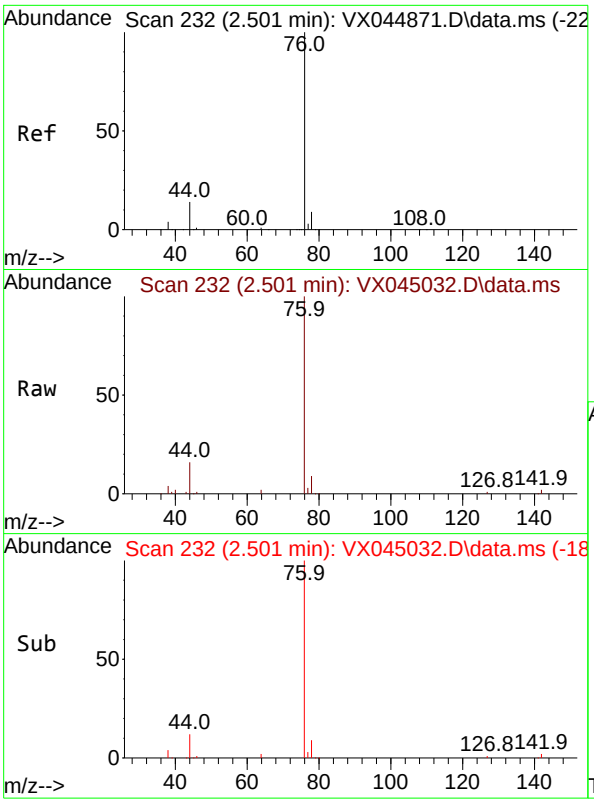


#16
Acetone
Concen: 113.203 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 75220

Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.5	39.7





#17
Carbon Disulfide
Concen: 15.327 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 76 Resp: 6116

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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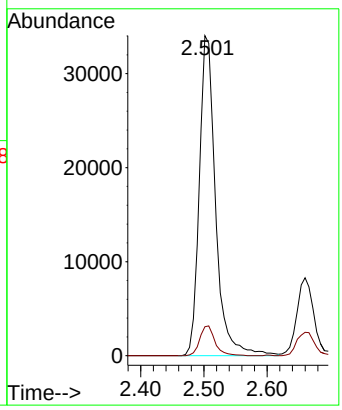
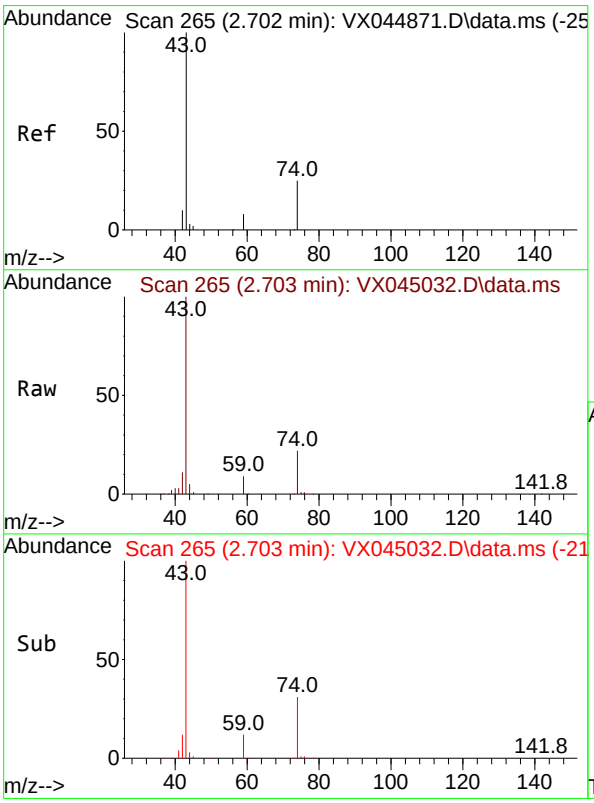
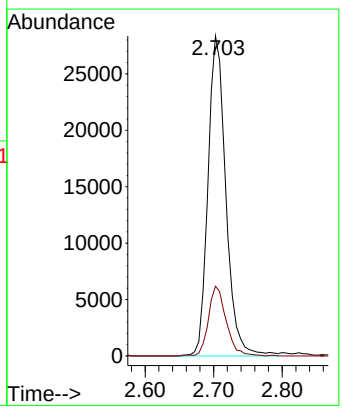


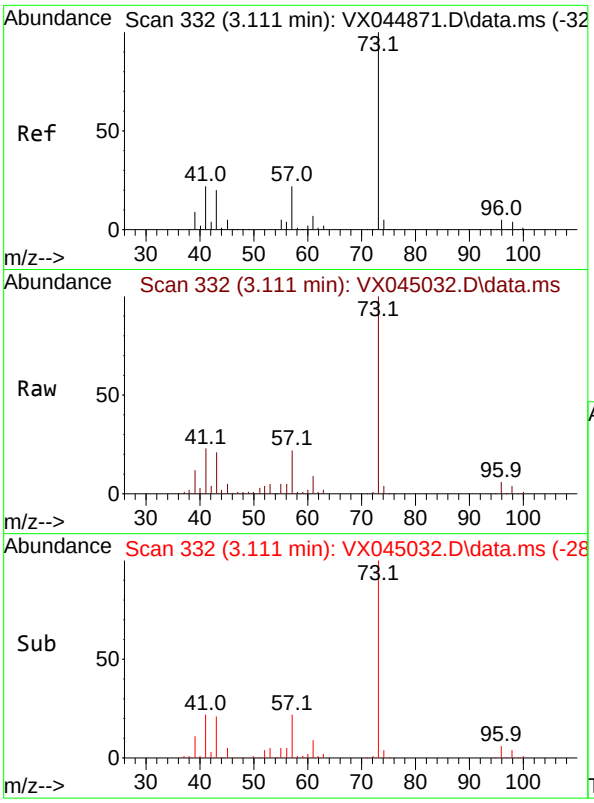


#18
Methyl Acetate
Concen: 24.593 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 51568

Ion	Ratio	Lower	Upper
43	100		
74	21.6	18.9	28.3

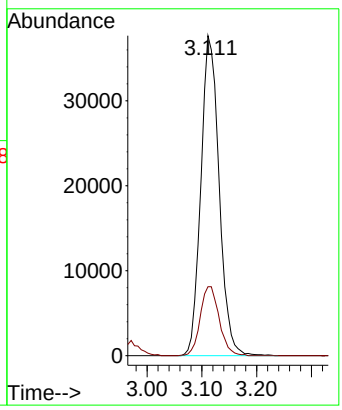




#19
Methyl tert-butyl Ether
Concen: 18.782 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 73 Resp: 8697

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.9	26.9



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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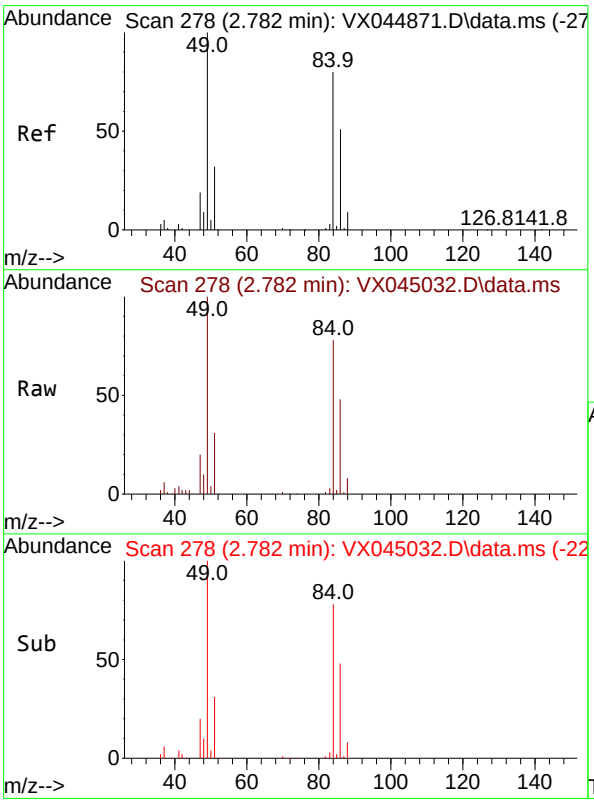
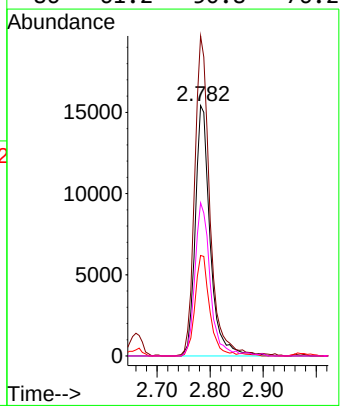
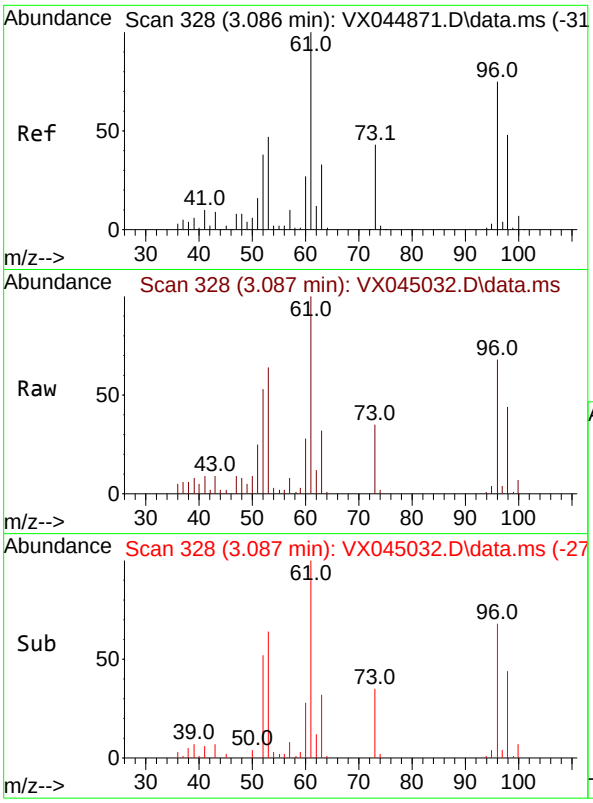


#20
Methylene Chloride
Concen: 18.452 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 84 Resp: 30031

Ion	Ratio	Lower	Upper
84	100		
49	127.4	100.1	150.1
51	40.1	31.7	47.5
86	61.2	50.8	76.2

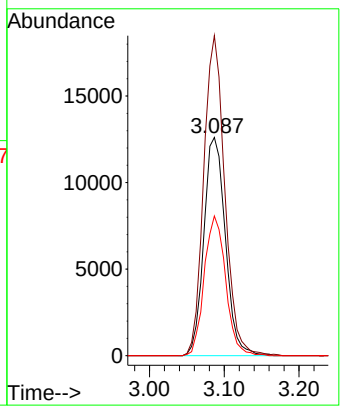




#21
trans-1,2-Dichloroethene
Concen: 17.651 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 96 Resp: 2528

Ion	Ratio	Lower	Upper
96	100		
61	146.7	106.0	159.0
98	64.1	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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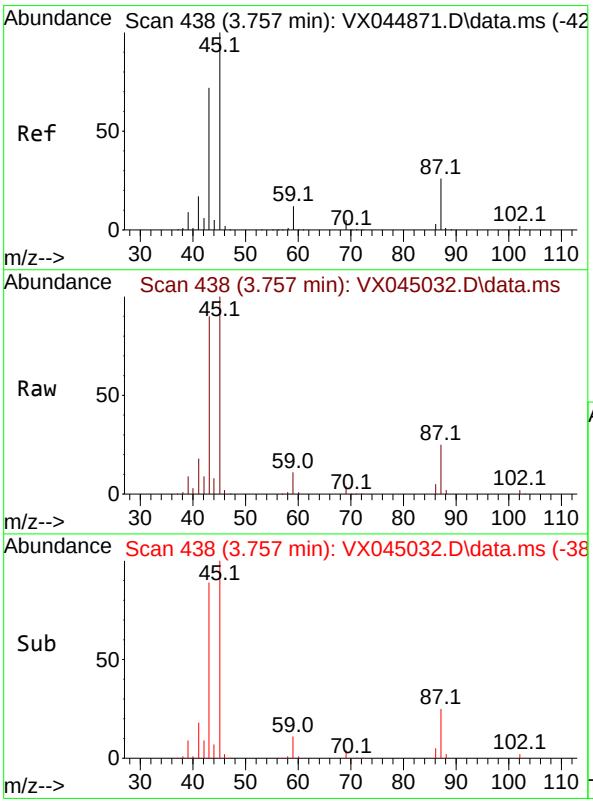
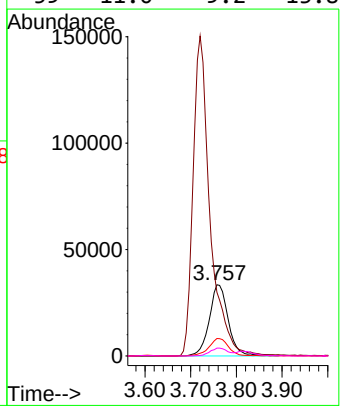
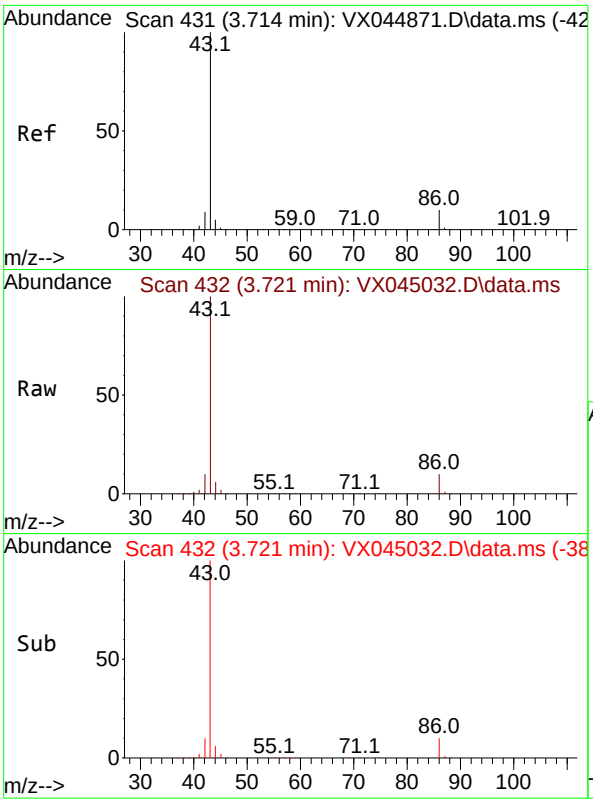


#22
Diisopropyl ether
Concen: 19.371 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 45 Resp: 96394

Ion	Ratio	Lower	Upper
45	100		
43	89.3	58.0	87.0#
87	24.6	20.7	31.1
59	11.0	9.2	13.8

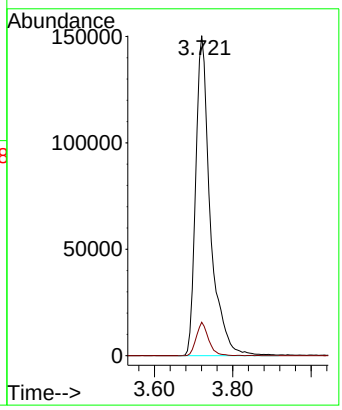




#23
Vinyl Acetate
Concen: 96.035 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 38959

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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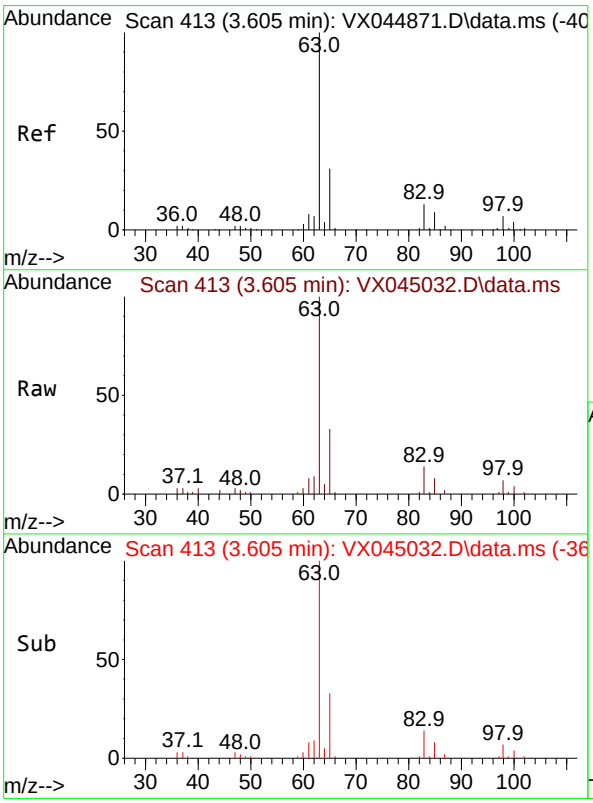
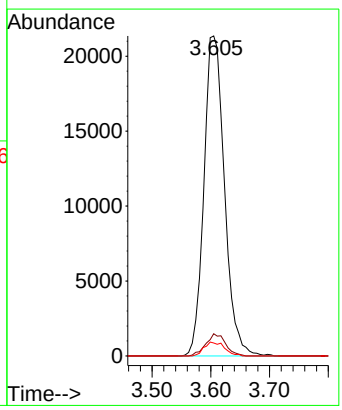
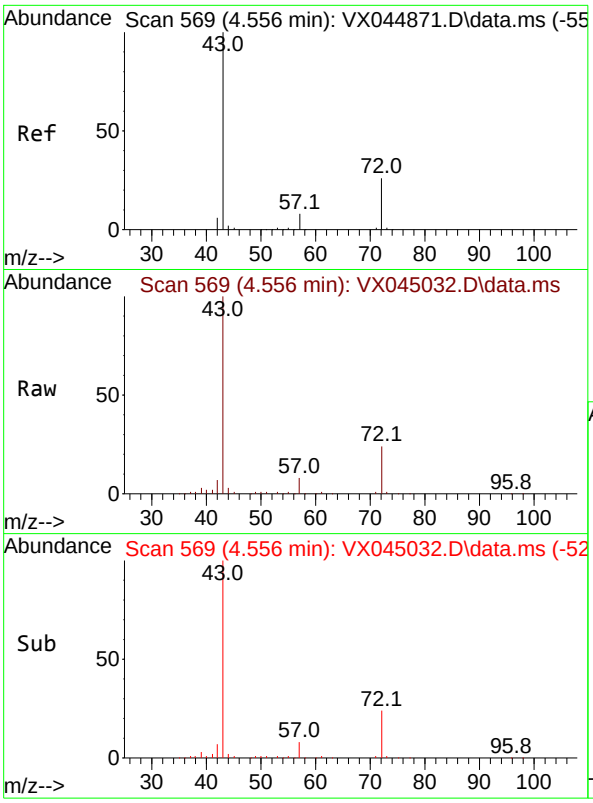


#24
1,1-Dichloroethane
Concen: 18.657 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 63 Resp: 51948

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.9
100	4.1	2.1	6.5

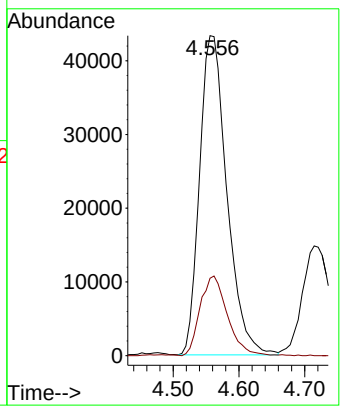




#25
2-Butanone
Concen: 116.004 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 12516

Ion	Ratio	Lower	Upper
43	100		
72	24.1	21.2	31.8



Instrument :
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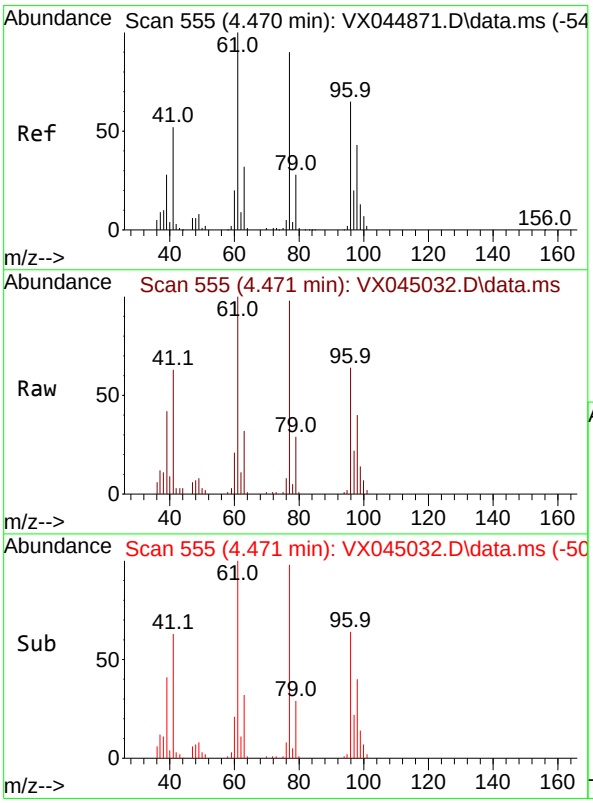
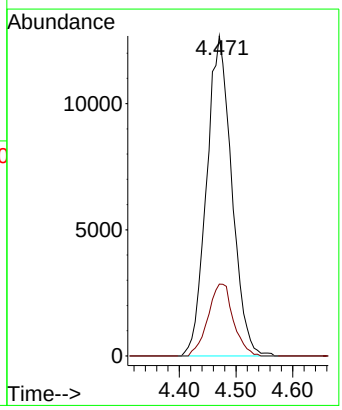
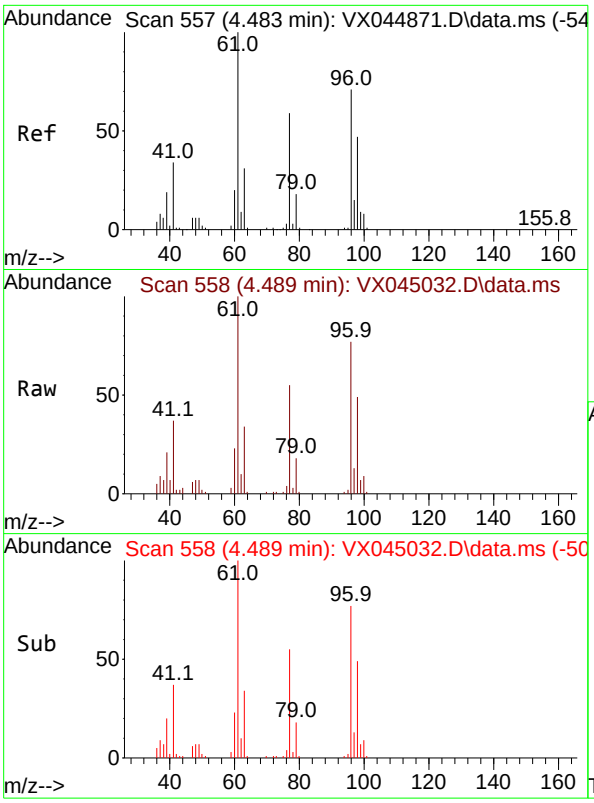


#26
2,2-Dichloropropane
Concen: 17.701 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 77 Resp: 39084

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.8	35.3

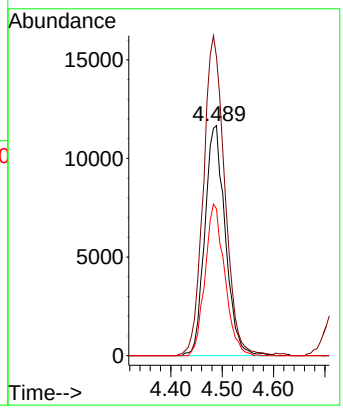




#27
cis-1,2-Dichloroethene
Concen: 18.799 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 96 Resp: 3234

Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	294.0
98	63.1	0.0	131.2



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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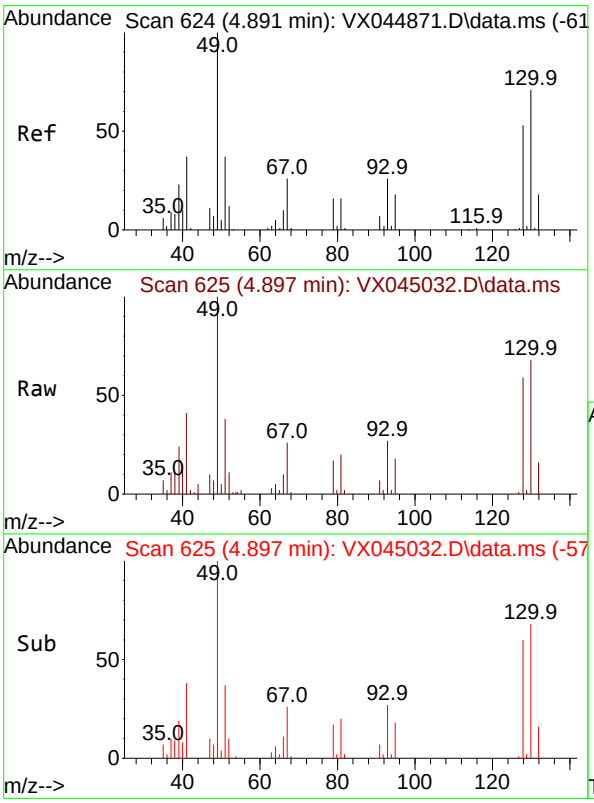
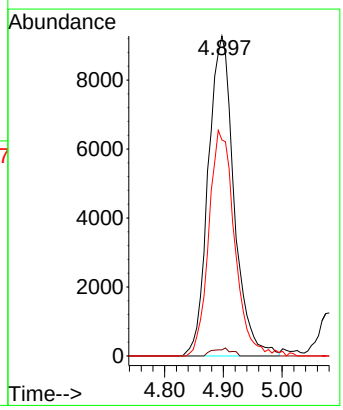
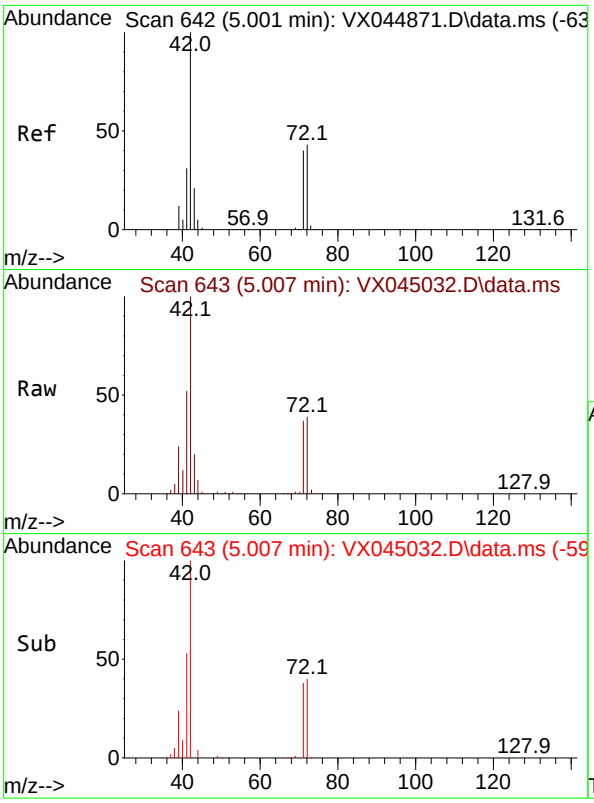


#28
Bromochloromethane
Concen: 21.150 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 49 Resp: 28300

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.9	56.7	85.1

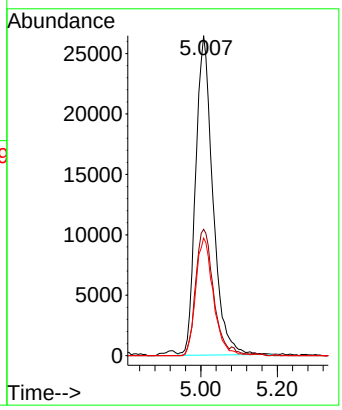




#29
Tetrahydrofuran
Concen: 115.117 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 42 Resp: 8247

Ion	Ratio	Lower	Upper
42	100		
72	41.6	35.0	52.4
71	37.8	32.6	48.8



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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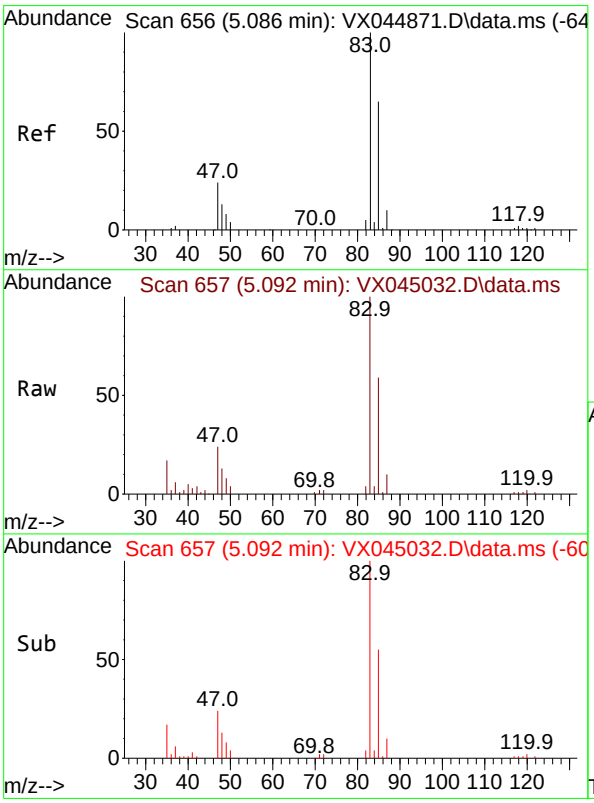
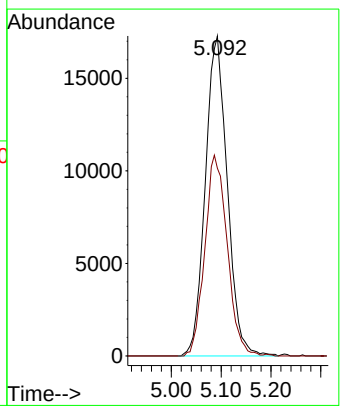
Supervised By :Mahesh Dadoda 02/26/2025

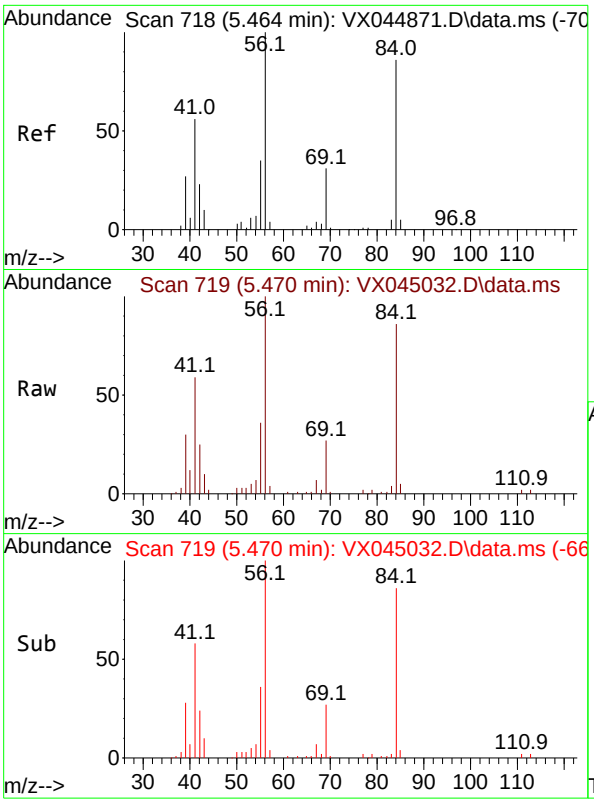


#30
Chloroform
Concen: 19.573 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 83 Resp: 52851

Ion	Ratio	Lower	Upper
83	100		
85	58.7	52.1	78.1

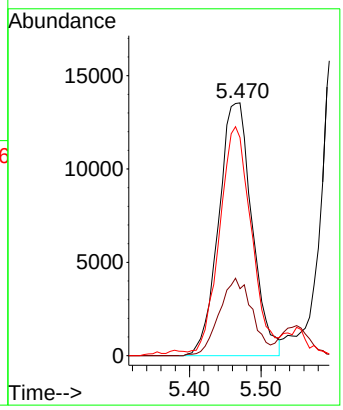




#31
Cyclohexane
Concen: 17.083 ug/l
RT: 5.470 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 56 Resp: 4385

Ion	Ratio	Lower	Upper
56	100		
69	26.5	24.4	36.6
84	84.5	69.0	103.6



Instrument :
MSVOA_X
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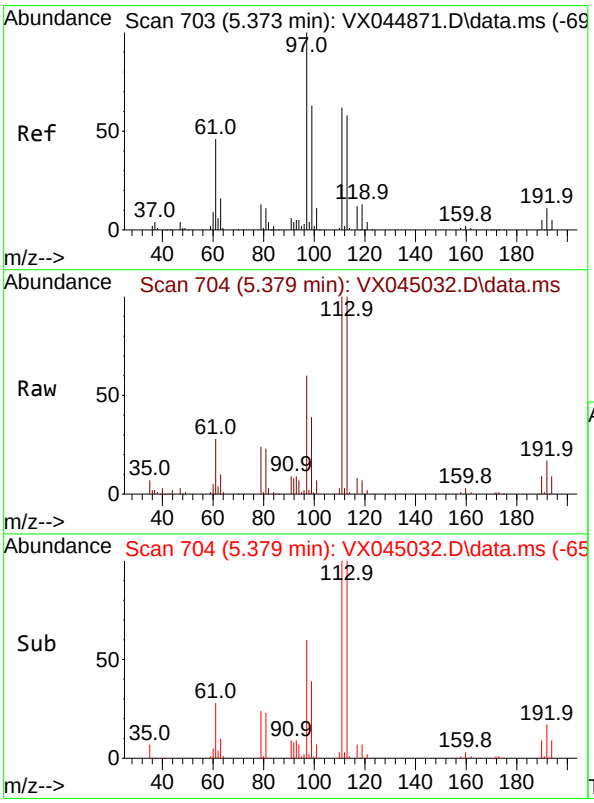
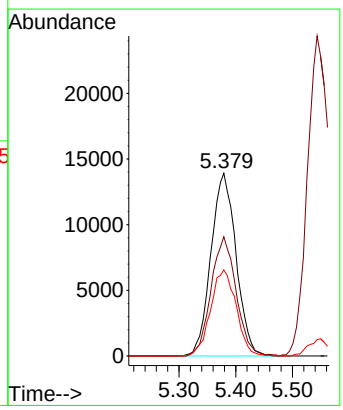
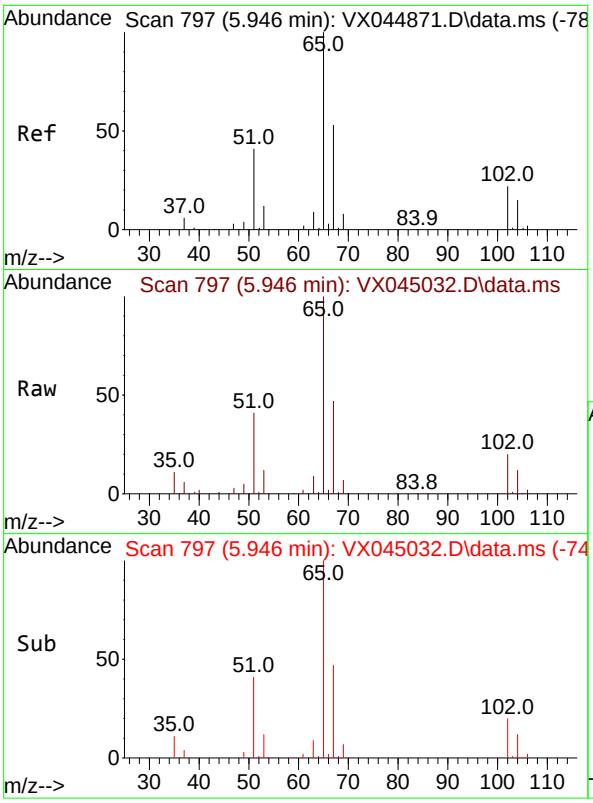


#32
1,1,1-Trichloroethane
Concen: 18.718 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 97 Resp: 42871

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	47.8	36.6	55.0

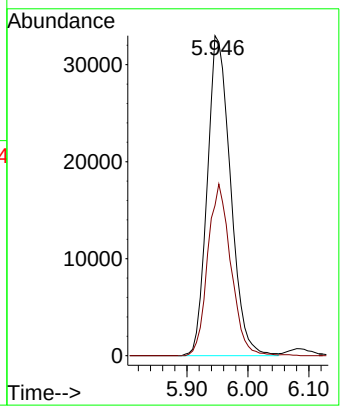




#33
1,2-Dichloroethane-d4
Concen: 52.977 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 65 Resp: 8756

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.2



Instrument :
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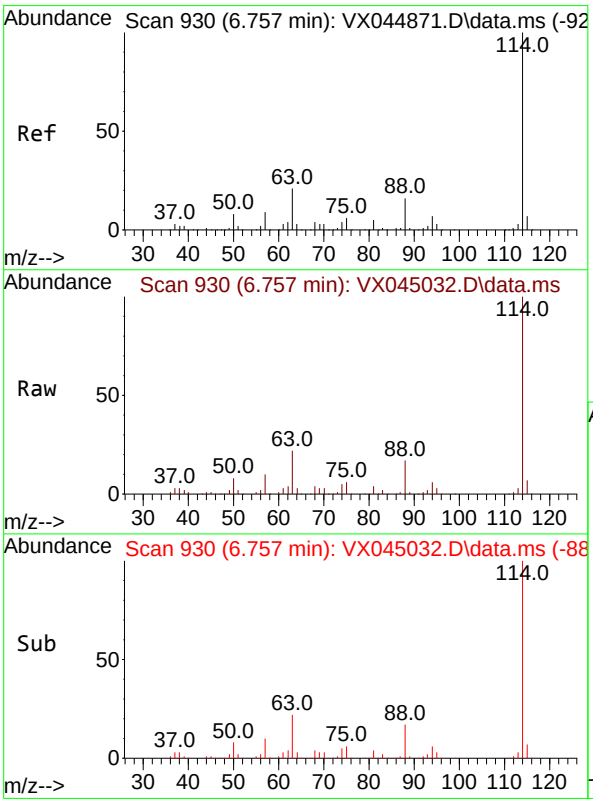
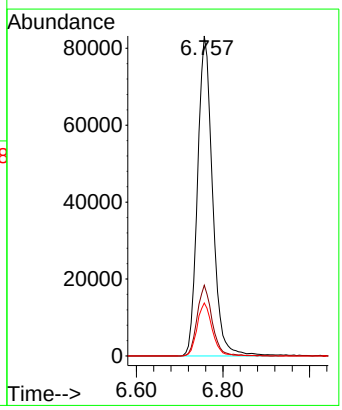
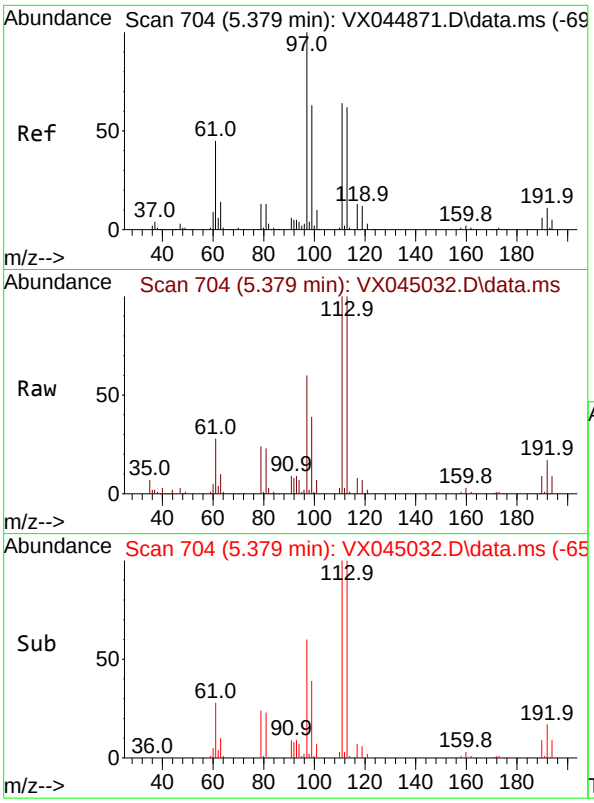


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:114 Resp: 200483

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.4
88	16.6	0.0	31.4

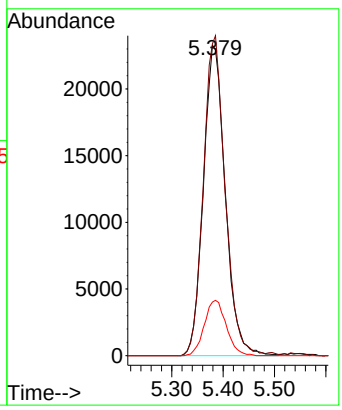




#35
Dibromofluoromethane
Concen: 52.786 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:113 Resp: 6880

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.5	125.3
192	17.9	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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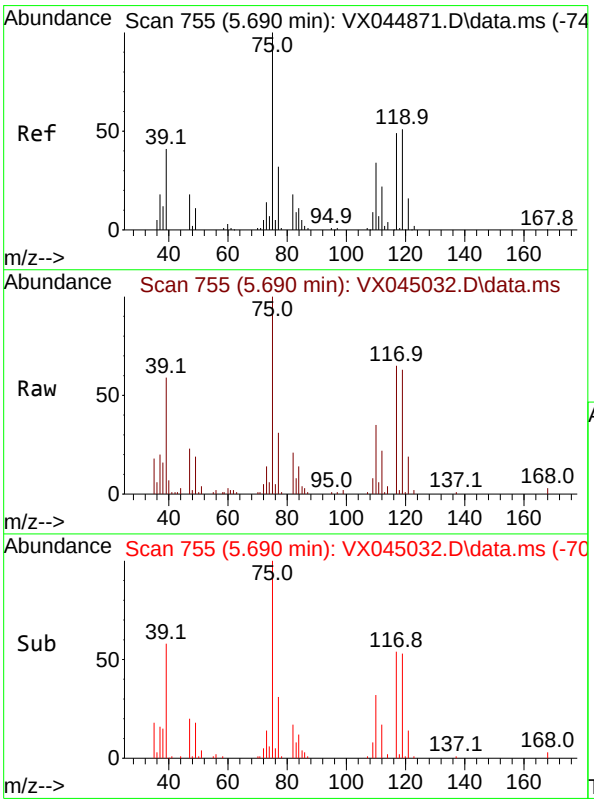
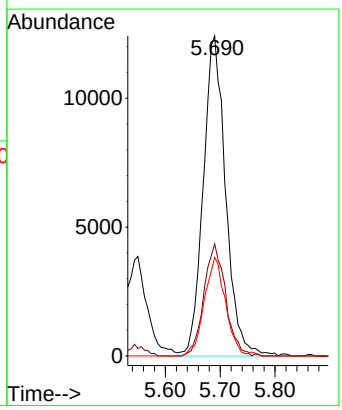
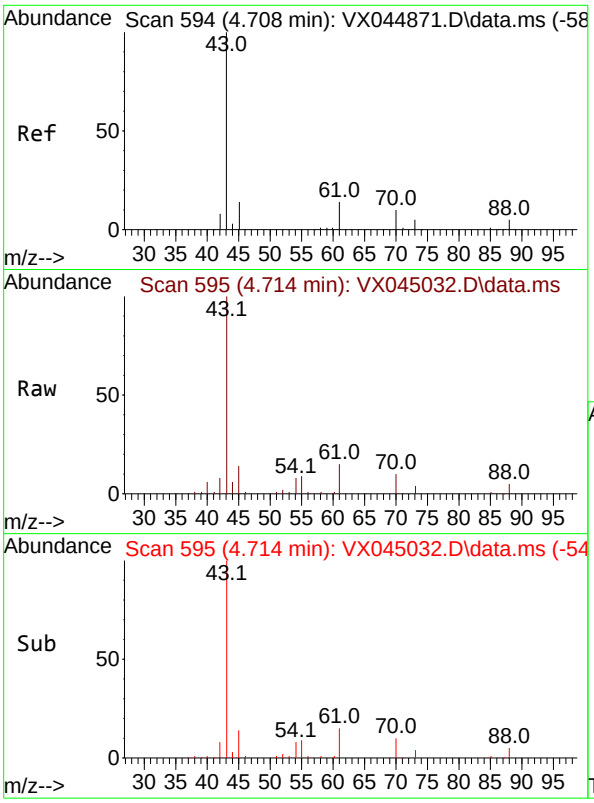


#36
1,1-Dichloropropene
Concen: 18.738 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 35238

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.2	51.6
77	29.1	24.6	37.0

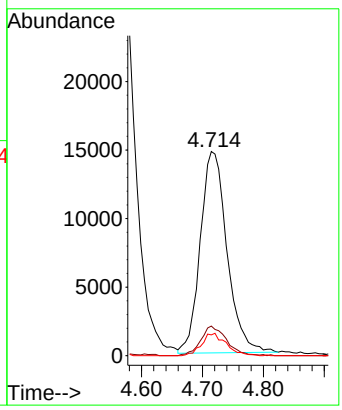




#37
Ethyl Acetate
Concen: 21.419 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 4480

Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.1	8.2	12.2



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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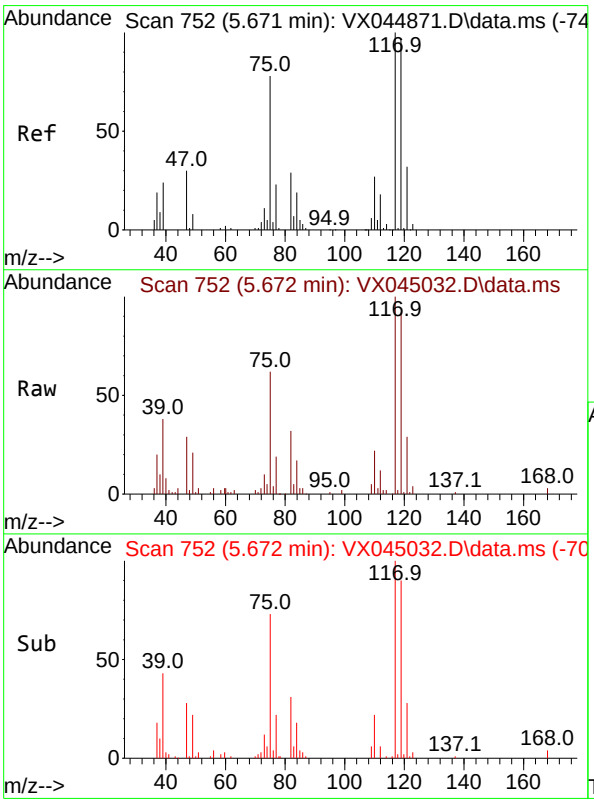
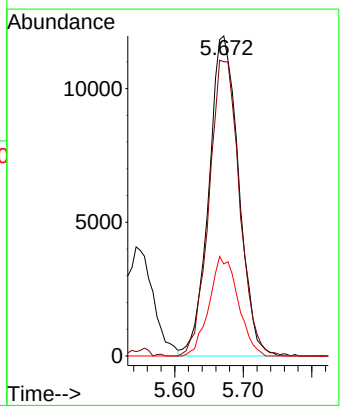
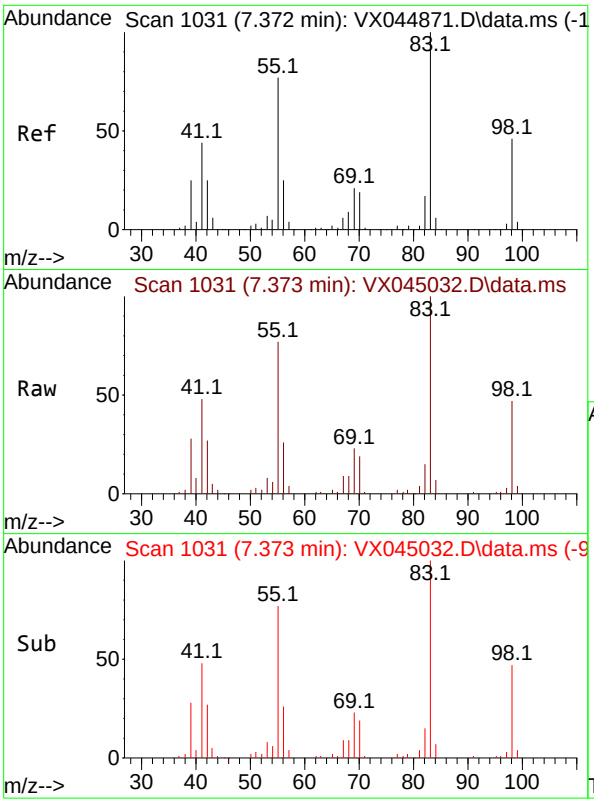


#38
Carbon Tetrachloride
Concen: 19.628 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:117 Resp: 36171

Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.5	116.3
121	28.7	25.6	38.4

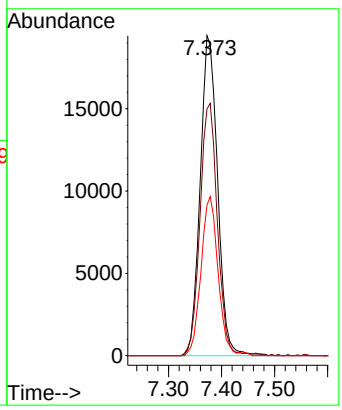




#39
Methylcyclohexane
Concen: 18.220 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 83 Resp: 4429

Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.3	91.9
98	47.1	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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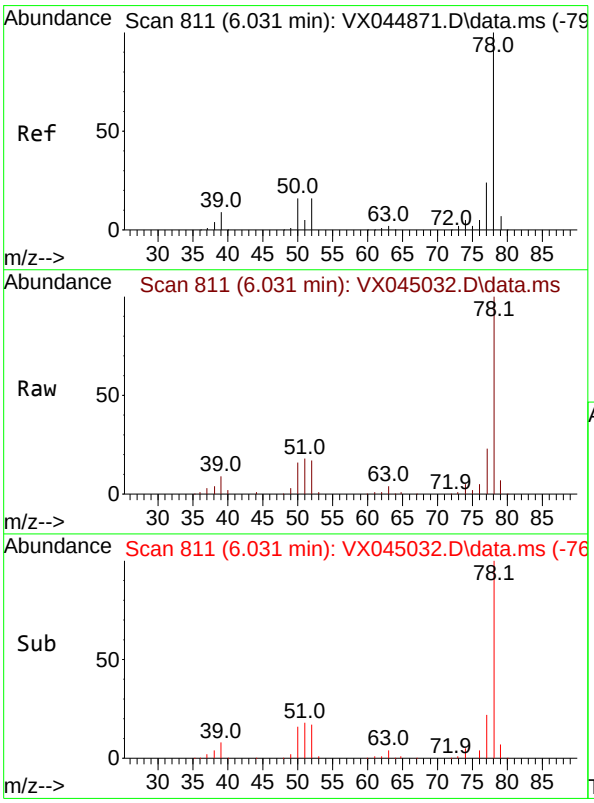
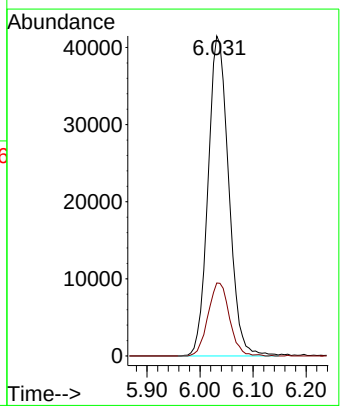
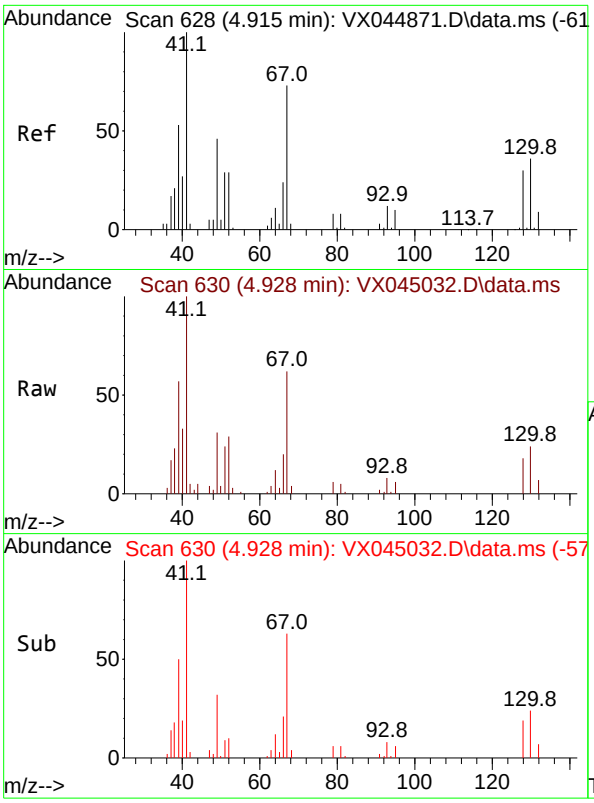


#40
Benzene
Concen: 19.128 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 78 Resp: 112321

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.6

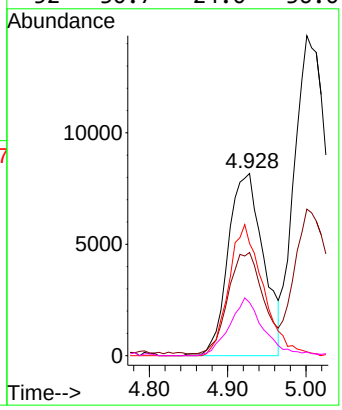




#41
Methacrylonitrile
Concen: 22.872 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 41 Resp: 2560

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.1	64.7
67	69.9	57.0	85.6
52	30.7	24.0	36.0



Instrument :
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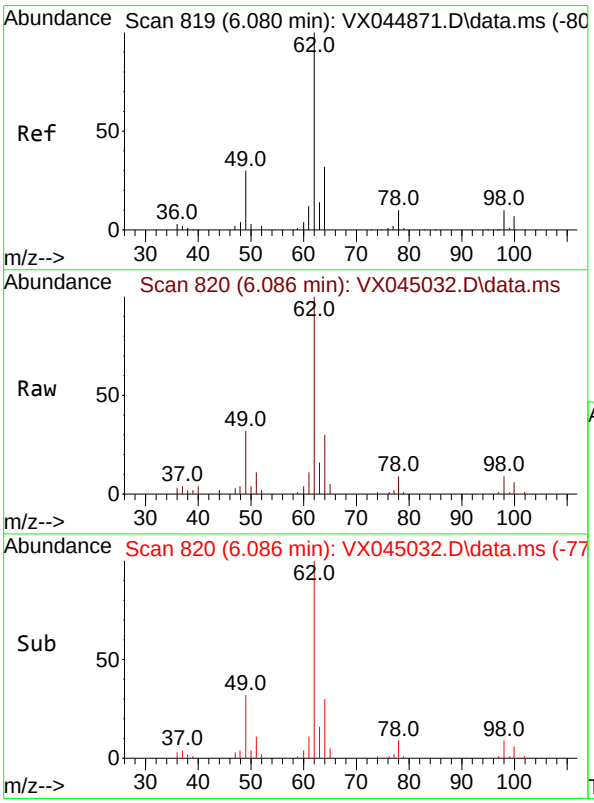
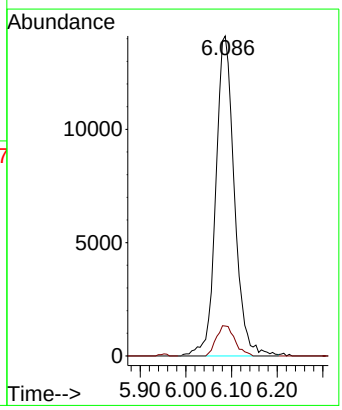
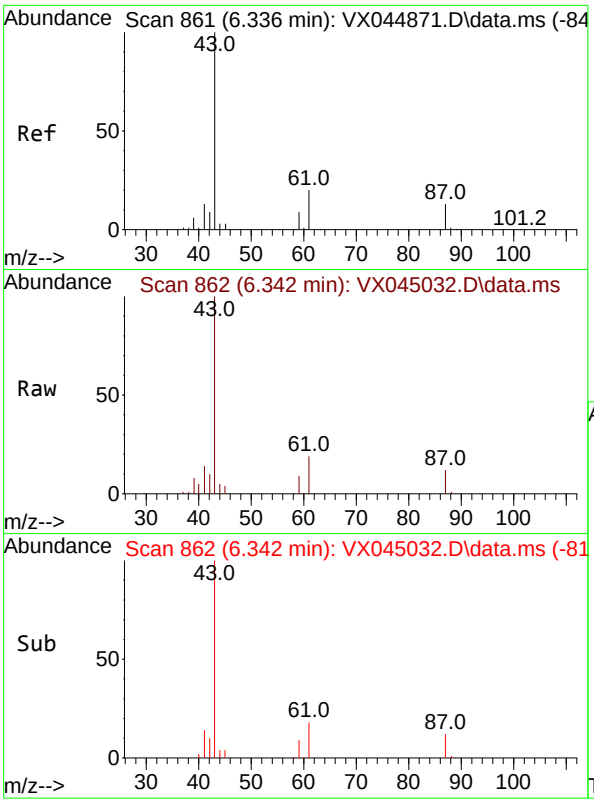


#42
1,2-Dichloroethane
Concen: 21.320 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 62 Resp: 39901

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4





#43
Isopropyl Acetate
Concen: 21.331 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 7205

Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.8	23.8
87	11.9	10.0	15.0

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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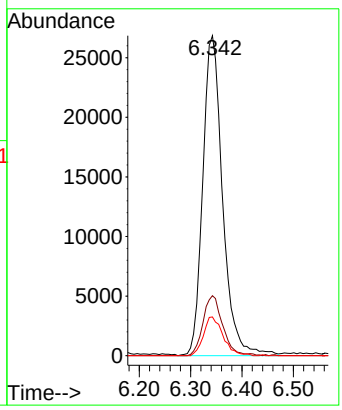
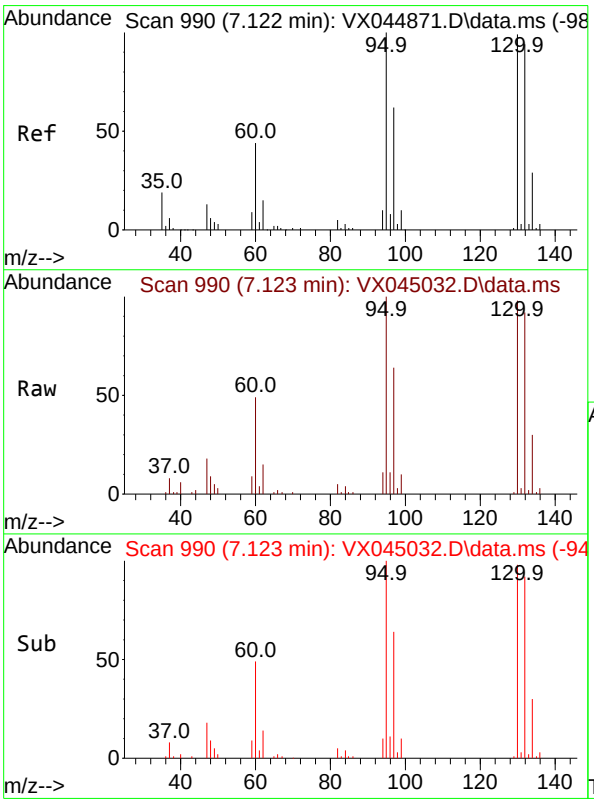
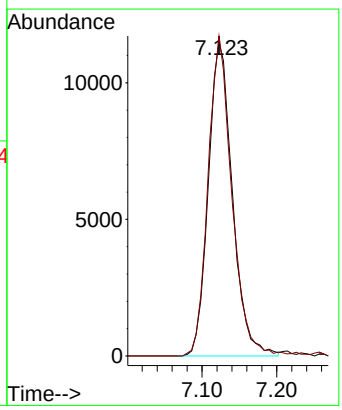


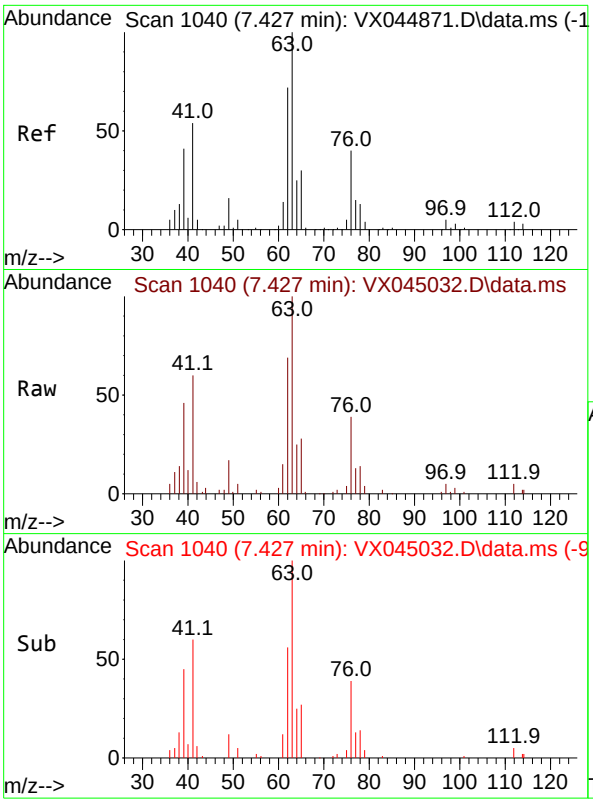


#44
Trichloroethene
Concen: 19.194 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:130 Resp: 25763

Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	202.4

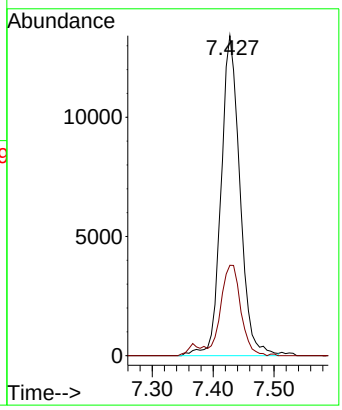




#45
1,2-Dichloropropane
Concen: 19.798 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 63 Resp: 2892

Ion	Ratio	Lower	Upper
63	100		
65	28.2	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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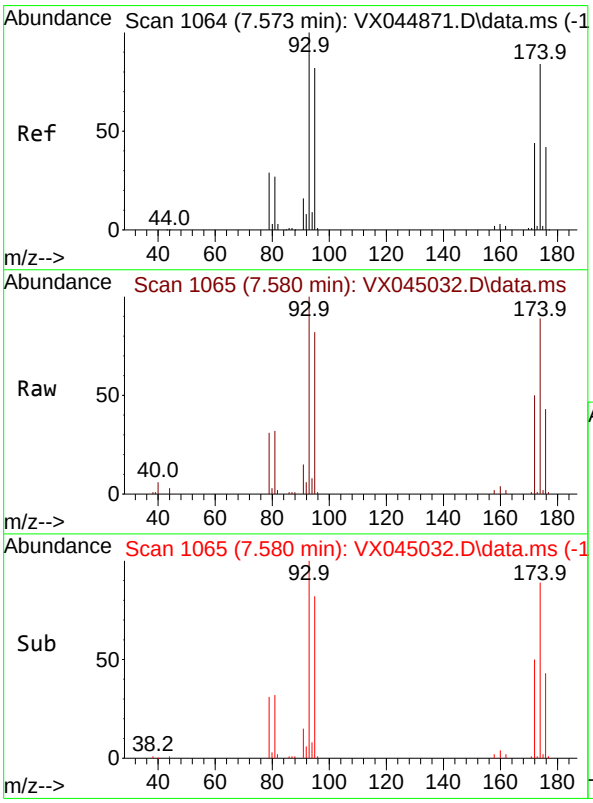
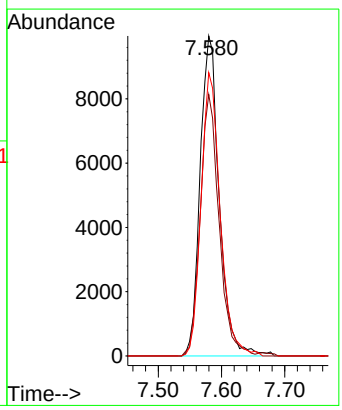
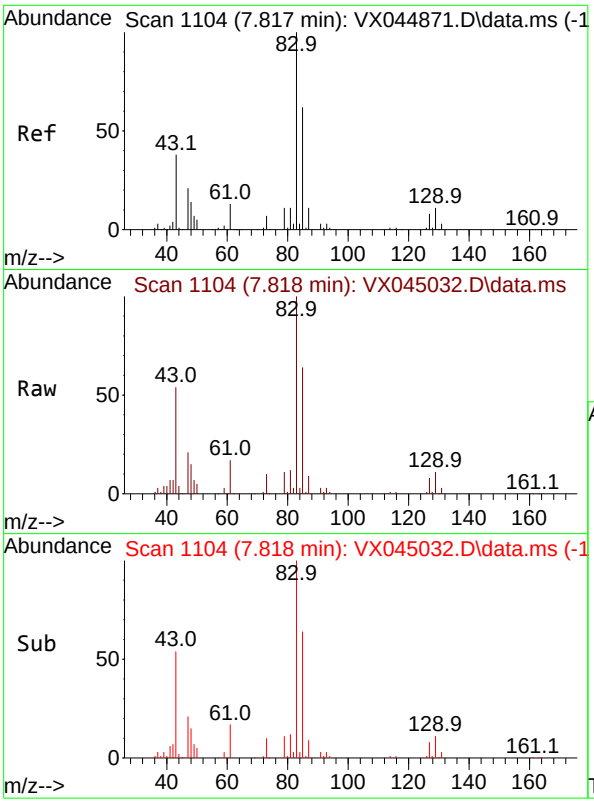


#46
Dibromomethane
Concen: 20.692 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 93 Resp: 20964

Ion	Ratio	Lower	Upper
93	100		
95	80.4	66.2	99.4
174	88.4	69.9	104.9

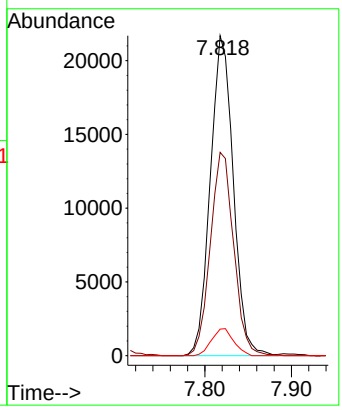




#47
Bromodichloromethane
Concen: 20.401 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 83 Resp: 4002

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.0	75.0
127	8.3	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Manual Integrations
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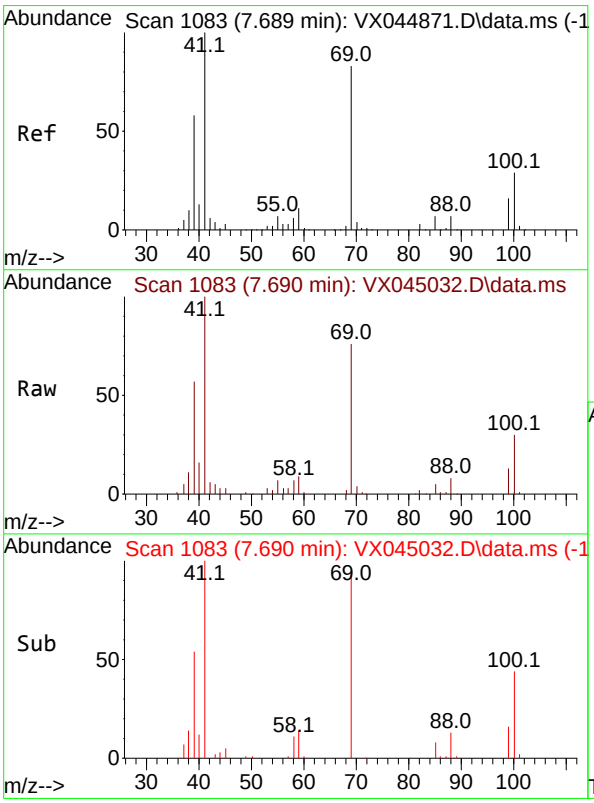
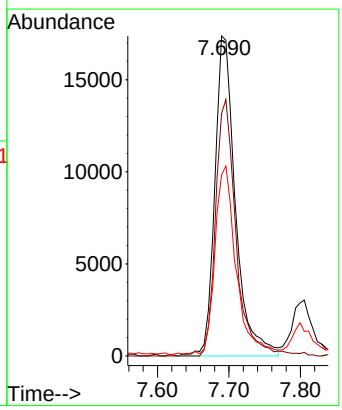
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

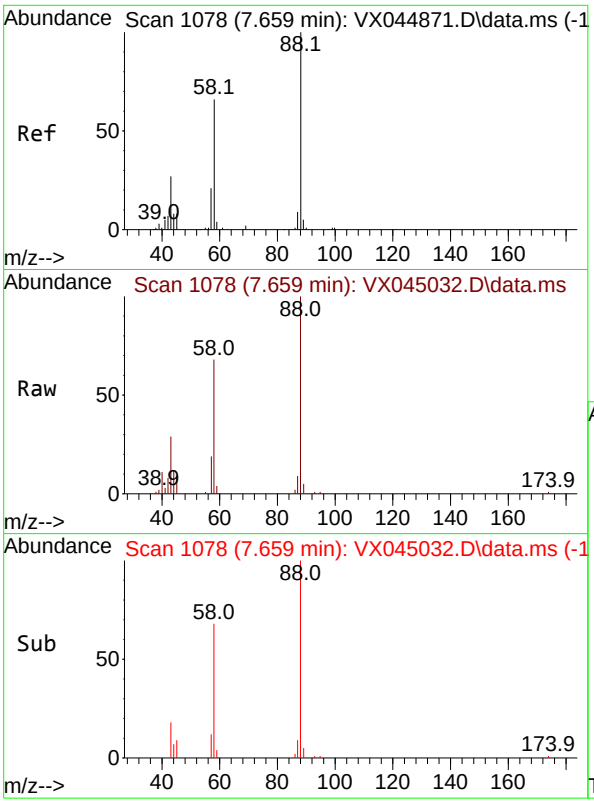


#48
Methyl methacrylate
Concen: 21.931 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 41 Resp: 34929

Ion	Ratio	Lower	Upper
41	100		
69	79.2	65.8	98.8
39	59.4	46.4	69.6

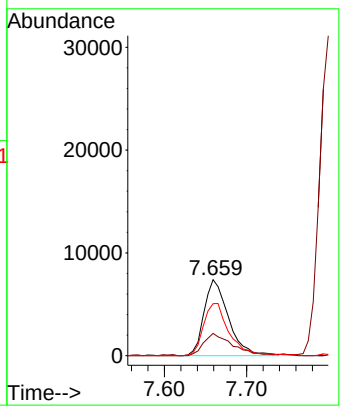




#49
1,4-Dioxane
Concen: 446.435 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 88 Resp: 1525

Ion	Ratio	Lower	Upper
88	100		
43	34.4	26.6	39.8
58	72.4	55.9	83.9



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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Reviewed By :John Carlone 02/26/2025
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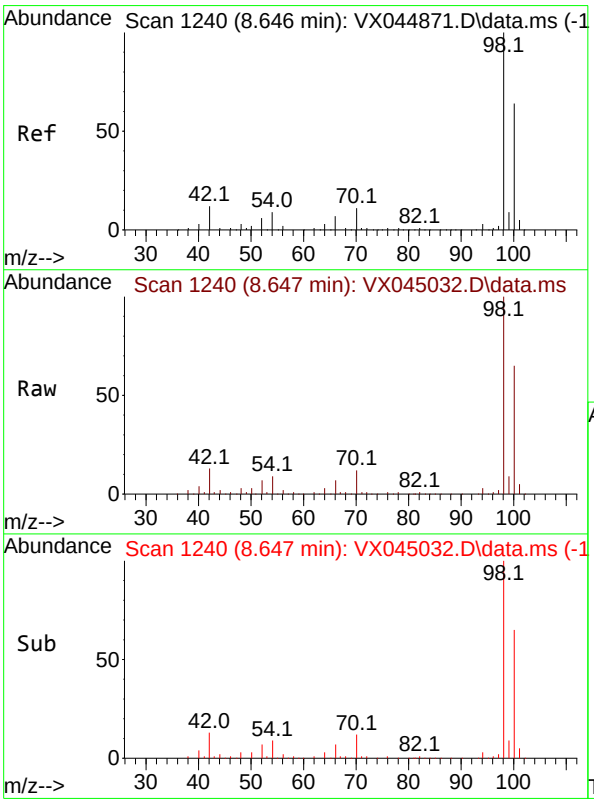
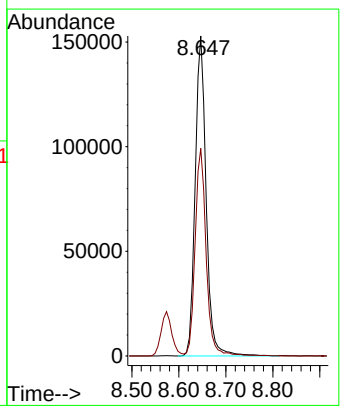
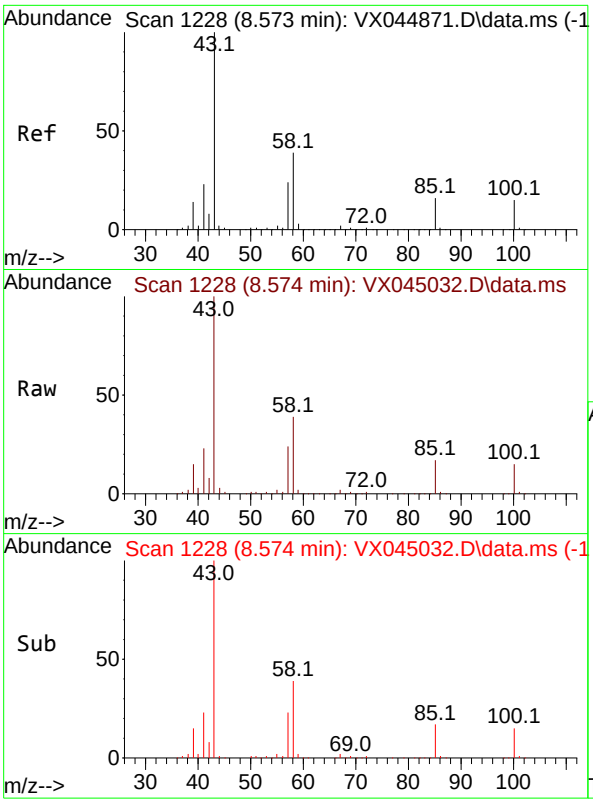


#50
Toluene-d8
Concen: 50.555 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 98 Resp: 249185

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1

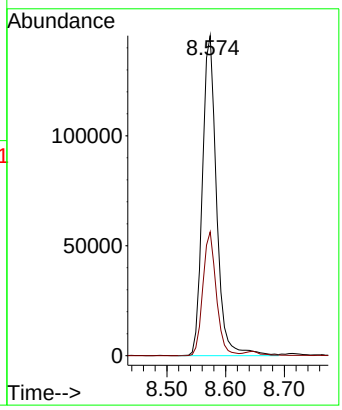




#51
4-Methyl-2-Pentanone
Concen: 118.897 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 24415

Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.8	46.2



Instrument :
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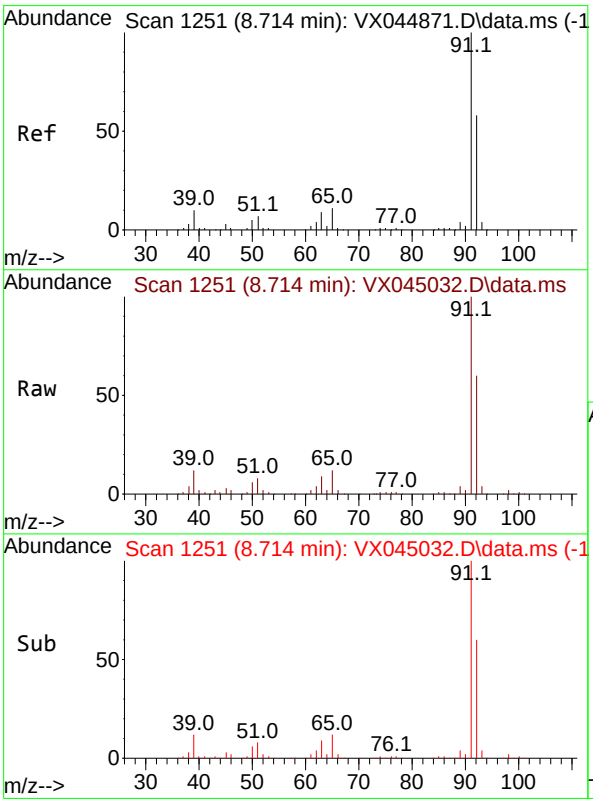
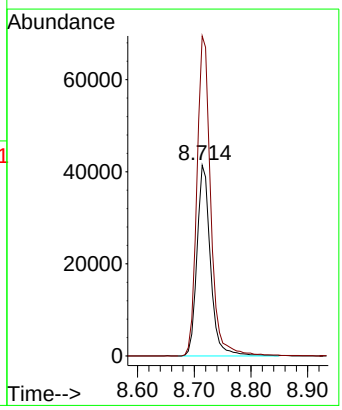
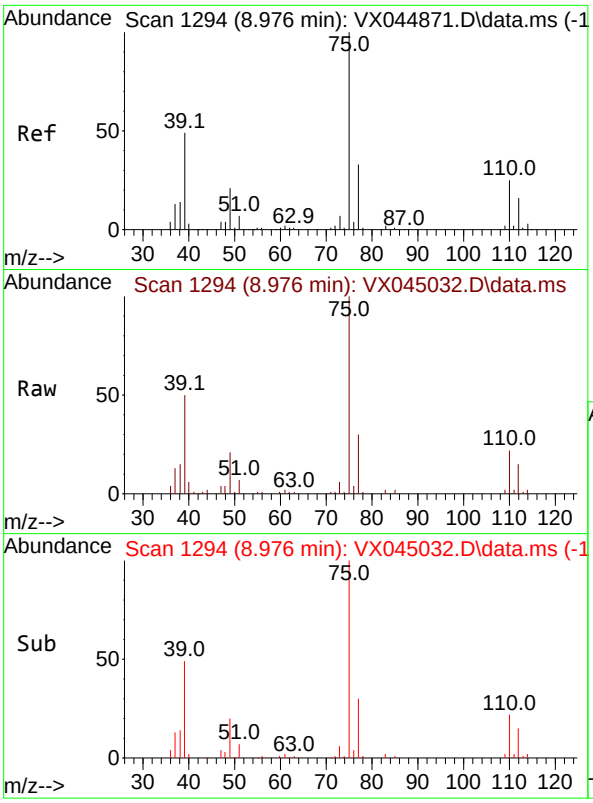


#52
Toluene
Concen: 19.597 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 92 Resp: 68535

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.4	206.2

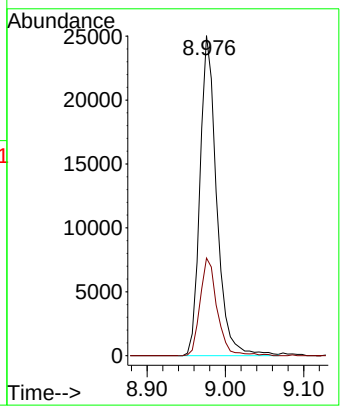




#53
t-1,3-Dichloropropene
Concen: 18.673 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 3706

Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.0	39.0



Instrument :
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ClientSampleId :
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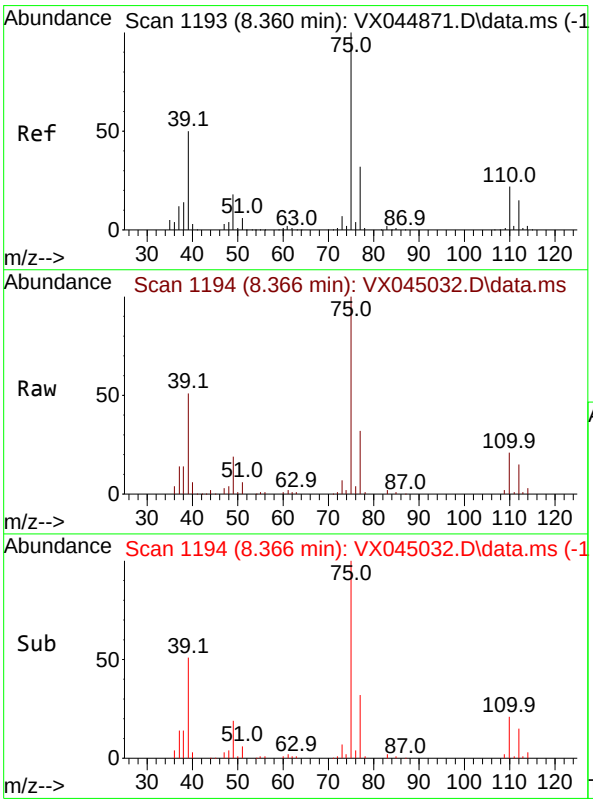
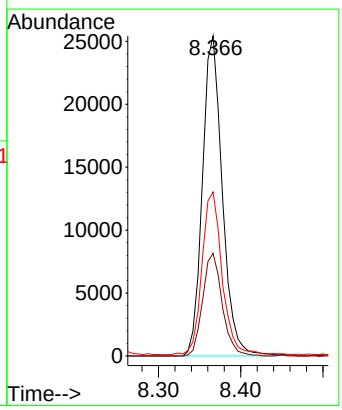
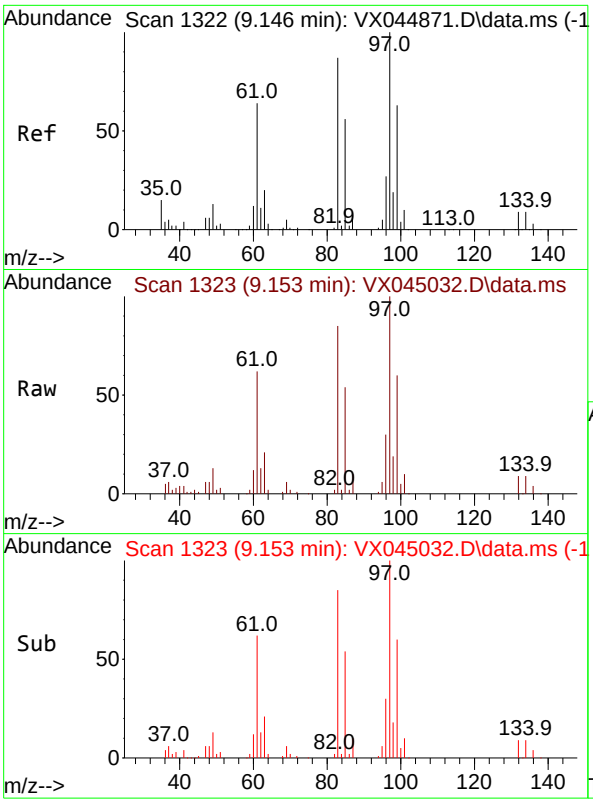


#54
cis-1,3-Dichloropropene
Concen: 19.324 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 42772

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9
39	50.5	40.0	60.0

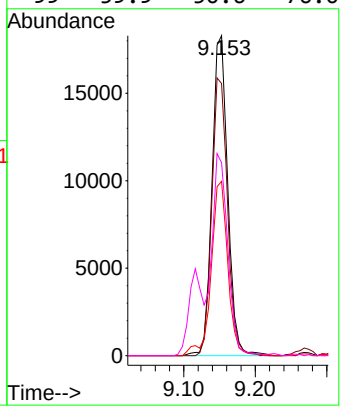




#55
1,1,2-Trichloroethane
Concen: 20.722 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 97 Resp: 2785

Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.8	104.6
85	54.5	44.8	67.2
99	59.9	50.6	76.0



Instrument :
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ClientSampleId :
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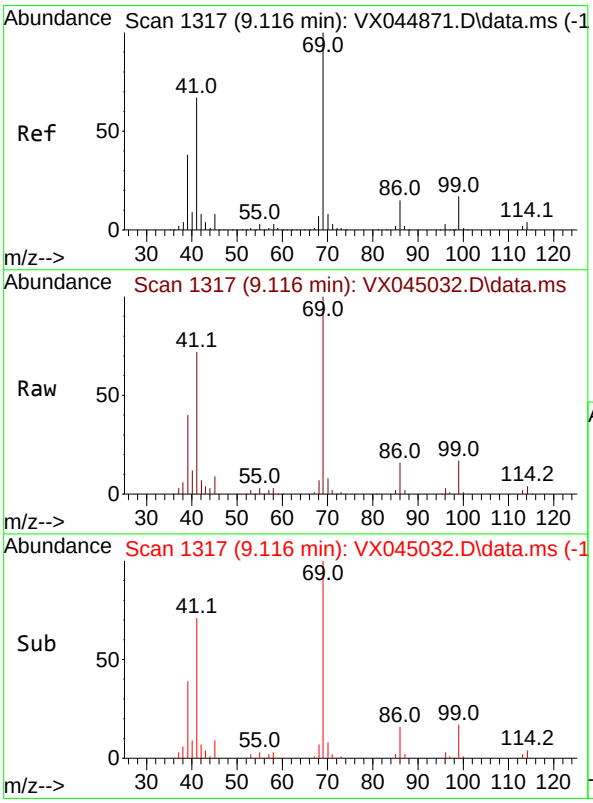
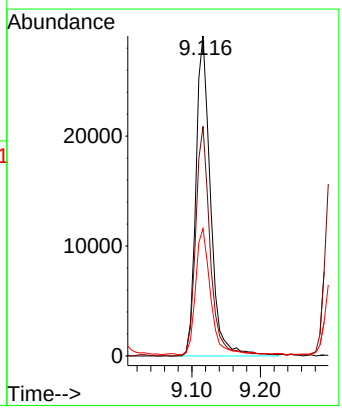
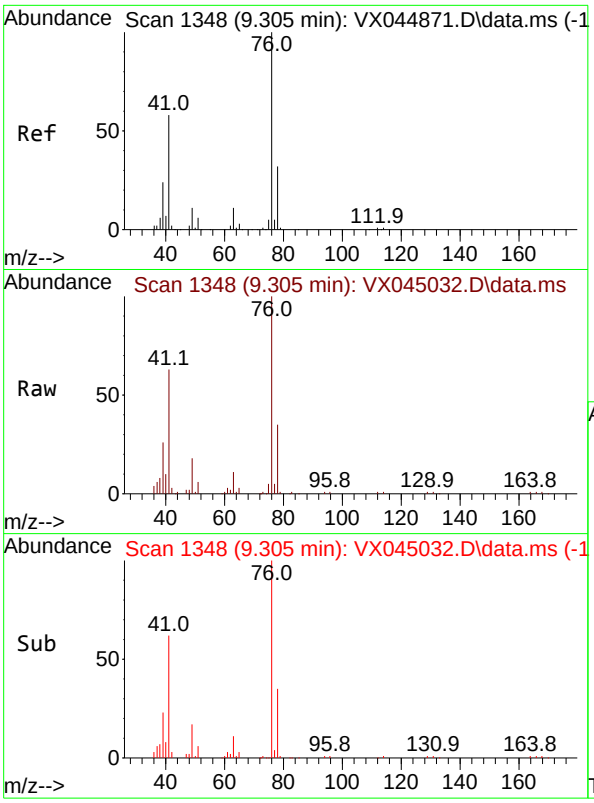


#56
Ethyl methacrylate
Concen: 19.922 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 69 Resp: 43256

Ion	Ratio	Lower	Upper
69	100		
41	71.8	55.2	82.8
39	40.3	30.8	46.2





#57
1,3-Dichloropropane
Concen: 20.413 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 76 Resp: 4801

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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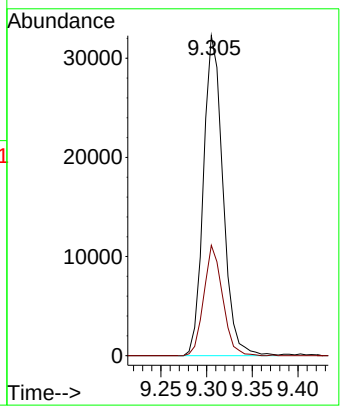
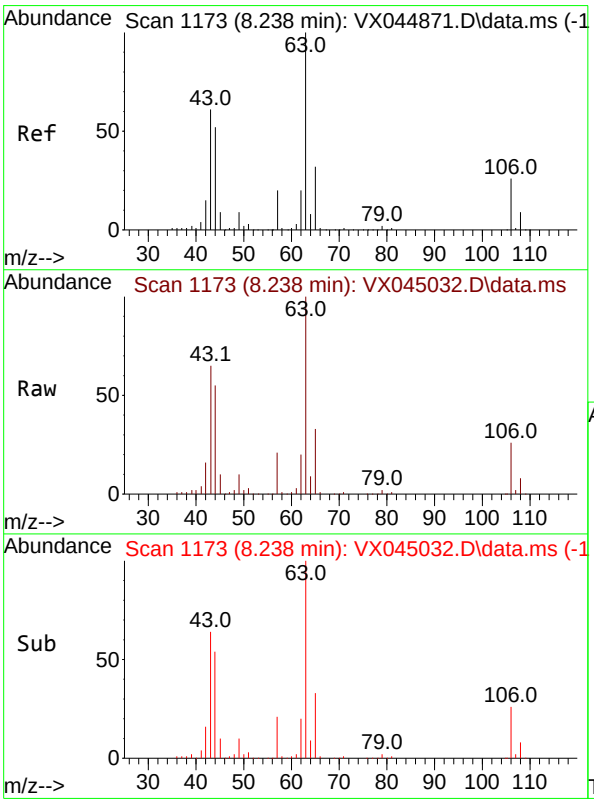
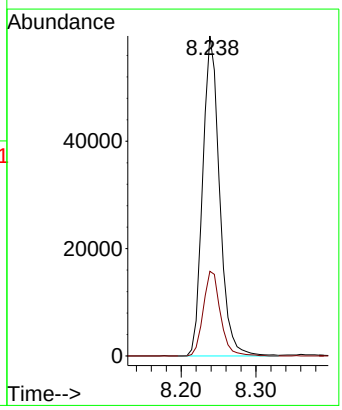


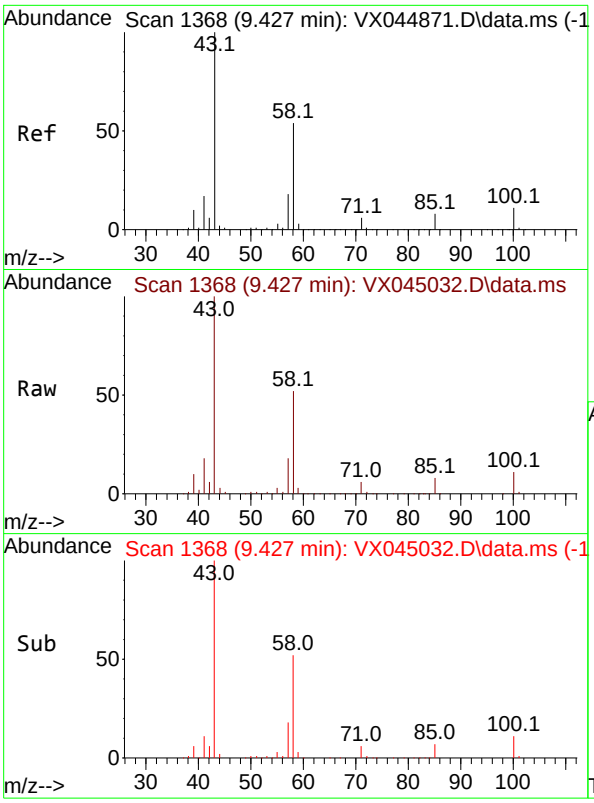


#58
2-Chloroethyl Vinyl ether
Concen: 87.867 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 63 Resp: 93678

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.3	31.9

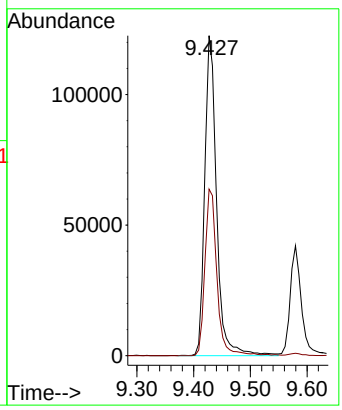




#59
2-Hexanone
Concen: 120.511 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 17830

Ion	Ratio	Lower	Upper
43	100		
58	52.8	27.5	82.4



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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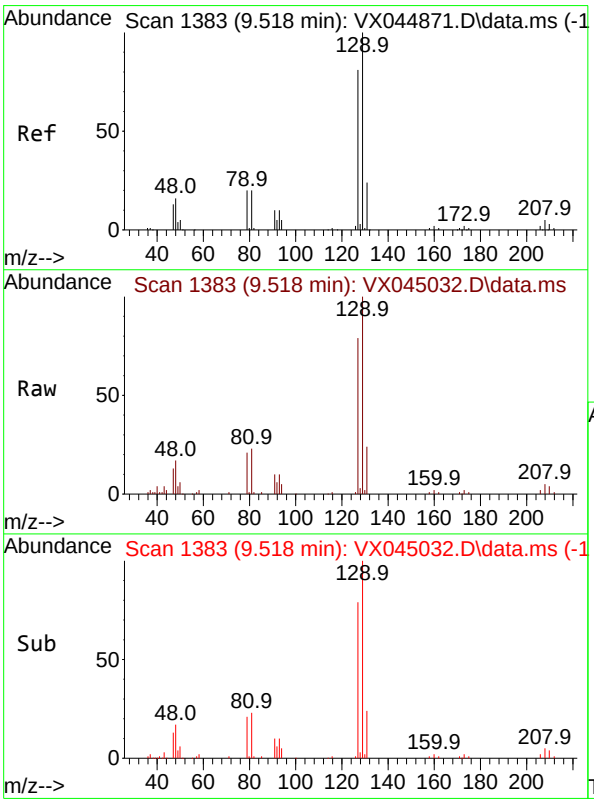
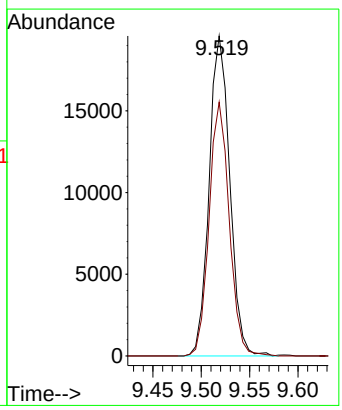
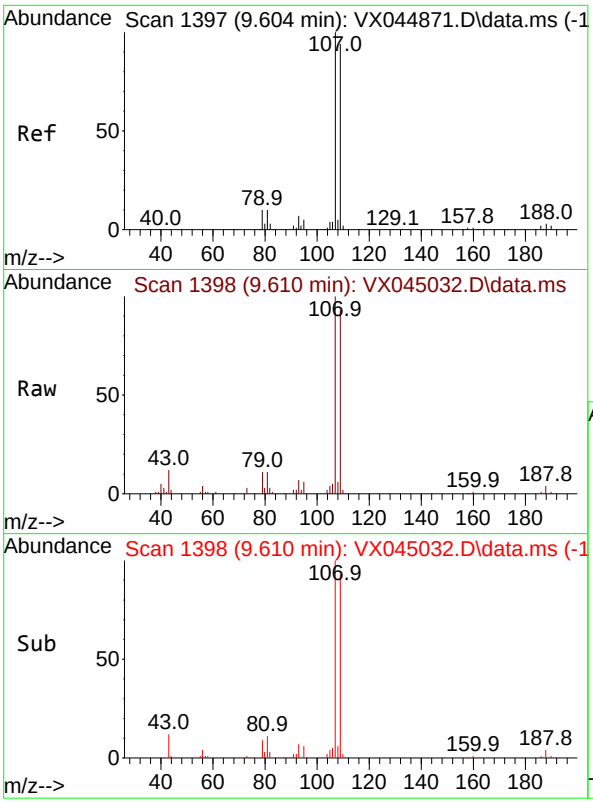


#60
Dibromochloromethane
Concen: 20.212 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:129 Resp: 29060

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.1	117.3

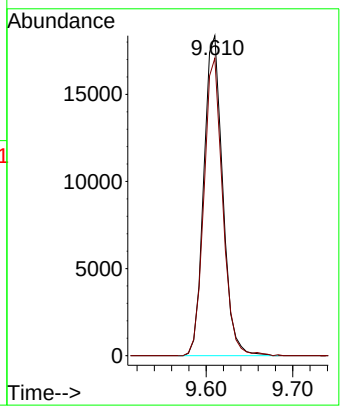




#61
1,2-Dibromoethane
Concen: 20.354 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:107 Resp: 2773

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.9	113.9



Instrument :
MSVOA_X
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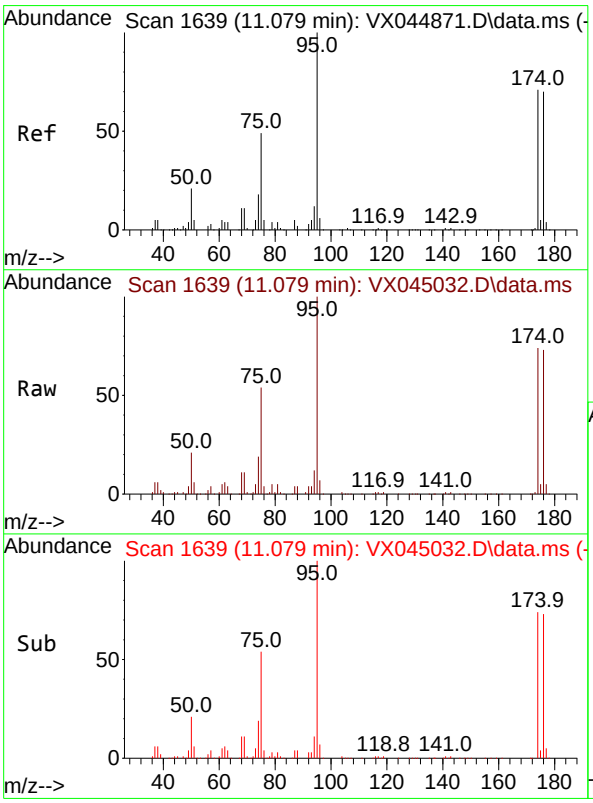
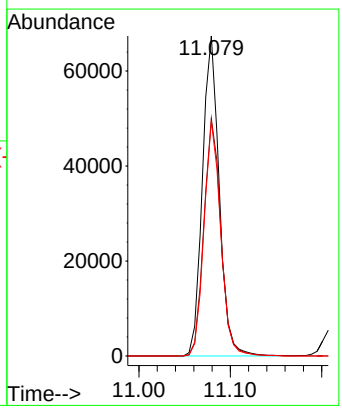
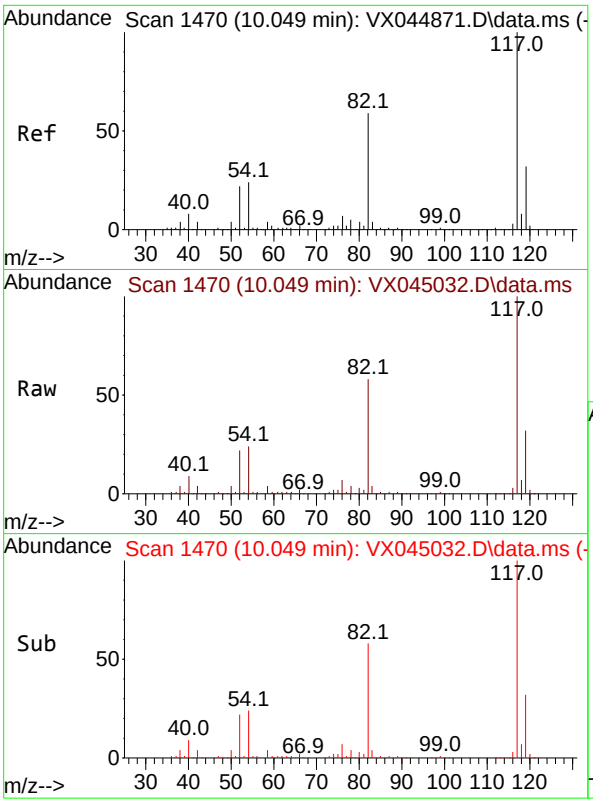


#62
4-Bromofluorobenzene
Concen: 51.563 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 95 Resp: 85680

Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	142.6
176	72.8	0.0	141.6

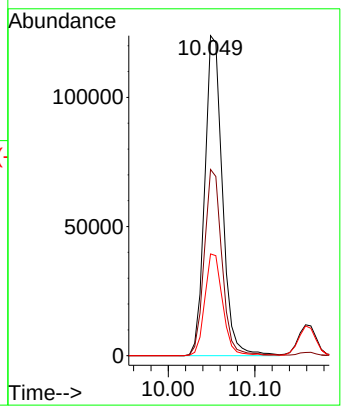




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:117 Resp: 17539

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.5	71.3
119	31.8	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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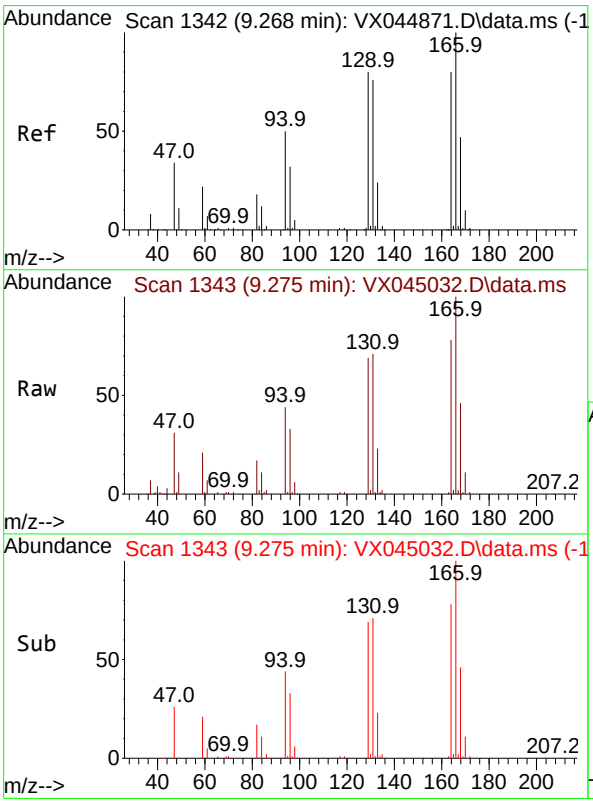
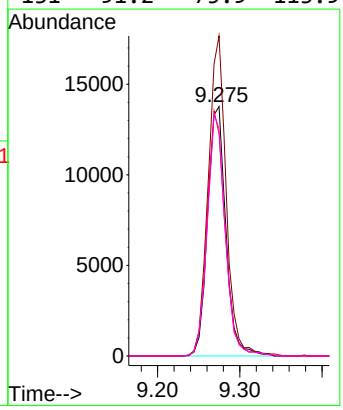
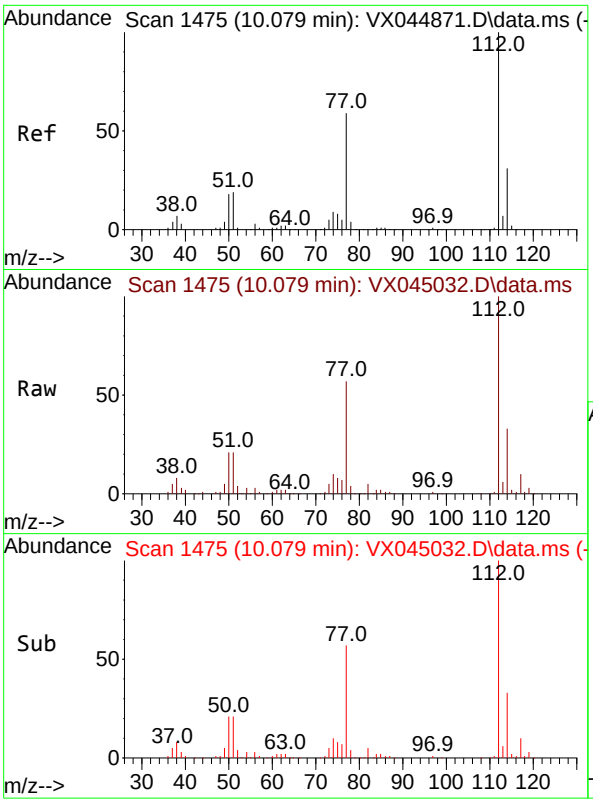


#64
Tetrachloroethene
Concen: 19.227 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:164 Resp: 21268

Ion	Ratio	Lower	Upper
164	100		
166	128.3	100.4	150.6
129	89.1	79.9	119.9
131	91.2	75.9	113.9

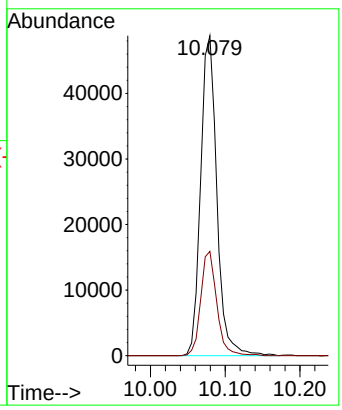




#65
Chlorobenzene
Concen: 19.510 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:112 Resp: 7349

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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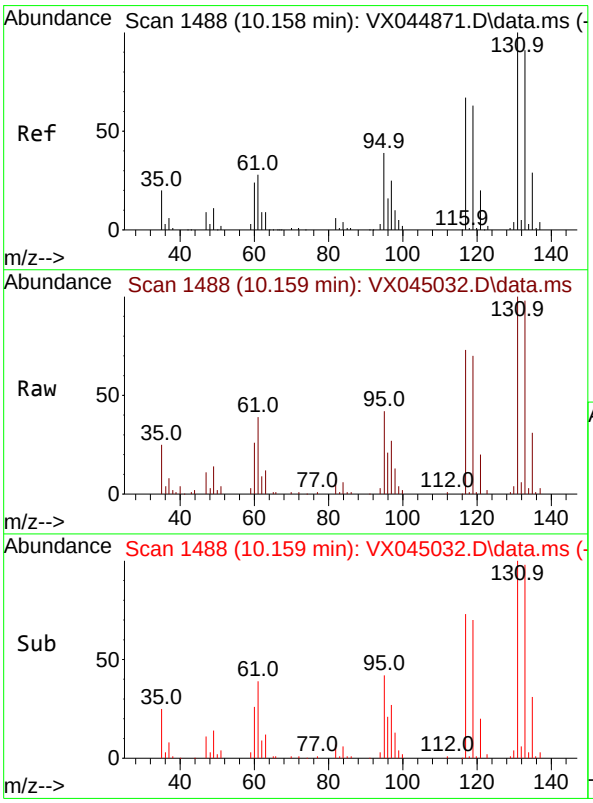
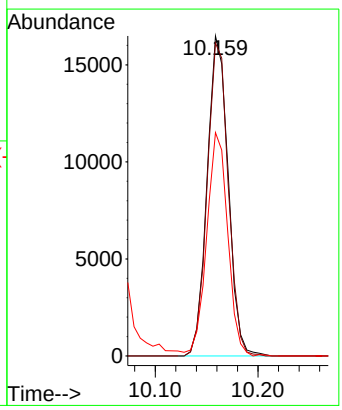
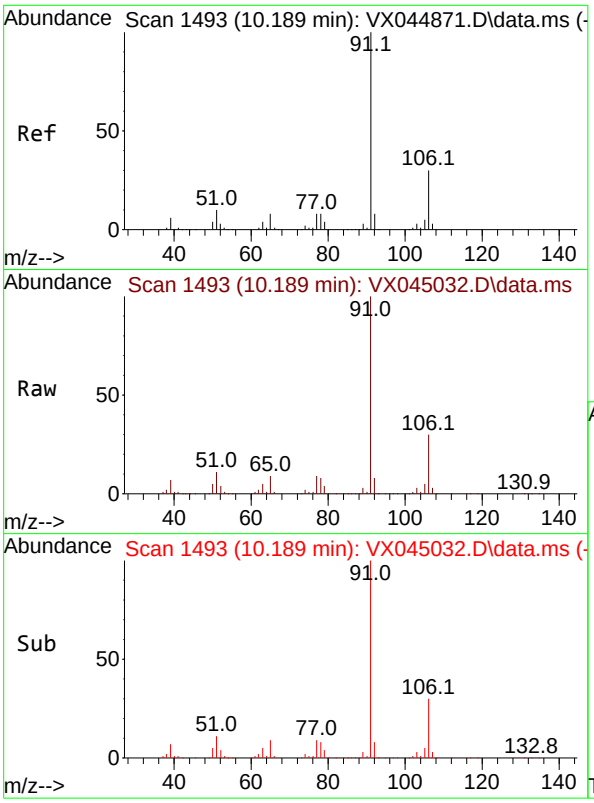


#66
1,1,1,2-Tetrachloroethane
Concen: 19.356 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:131 Resp: 23471

Ion	Ratio	Lower	Upper
131	100		
133	97.9	47.1	141.3
119	69.4	33.6	100.6

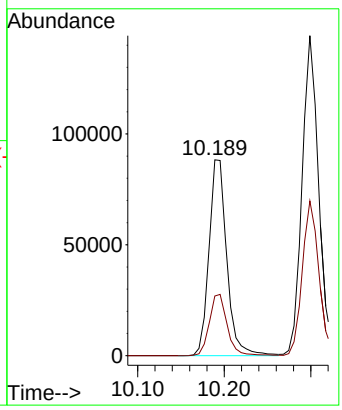




#67
Ethyl Benzene
Concen: 19.022 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 91 Resp: 12646

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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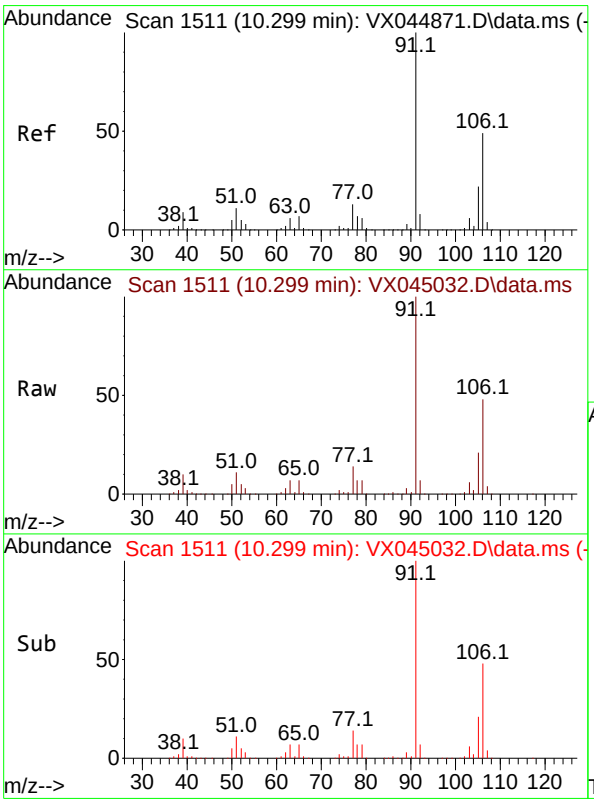
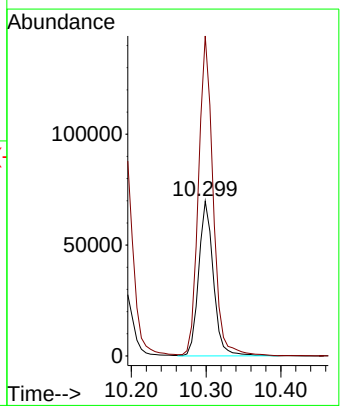
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

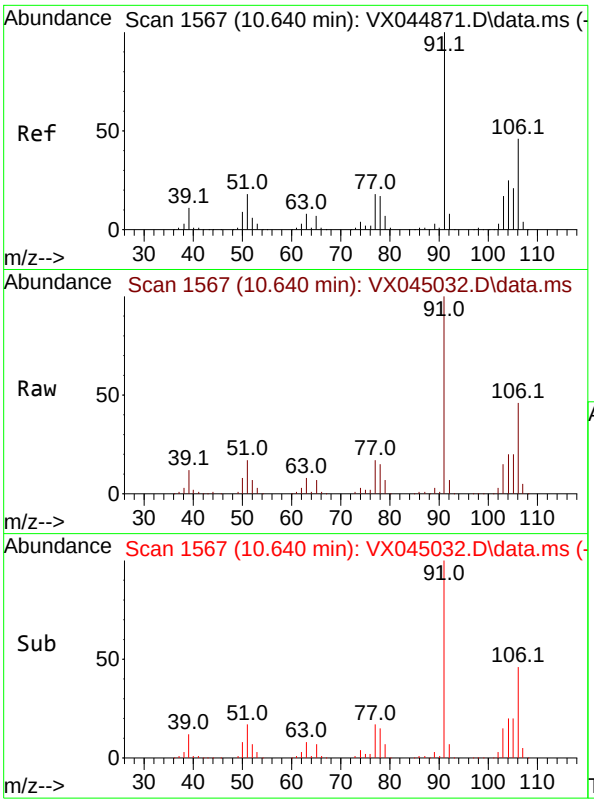


#68
m/p-Xylenes
Concen: 38.825 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:106 Resp: 95213

Ion	Ratio	Lower	Upper
106	100		
91	205.8	164.3	246.5

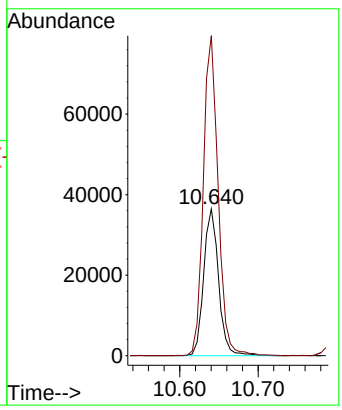




#69
o-Xylene
Concen: 19.470 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:106 Resp: 4791

Ion	Ratio	Lower	Upper
106	100		
91	216.9	108.5	325.5



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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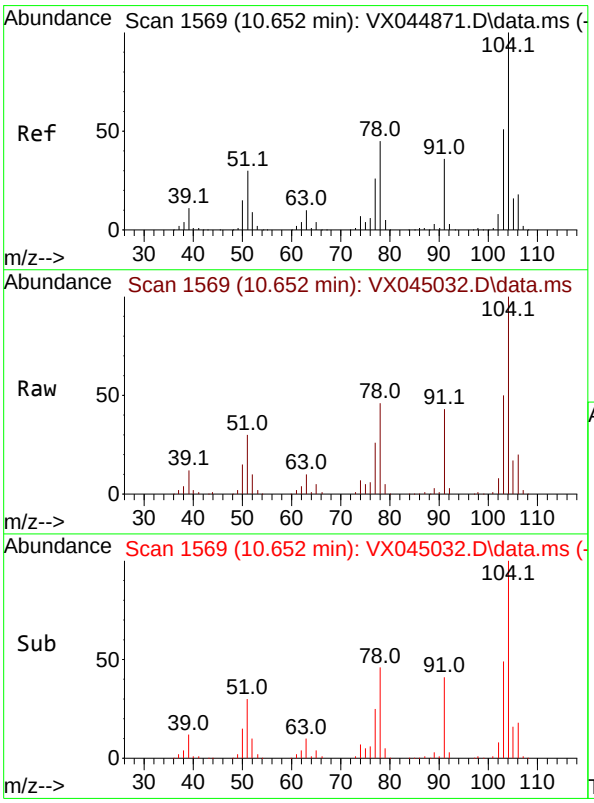
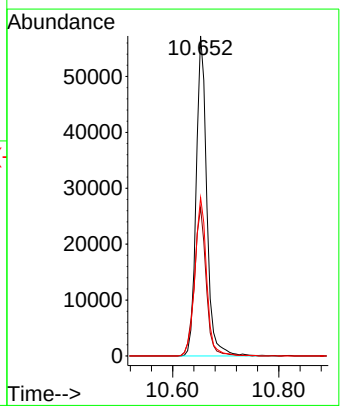
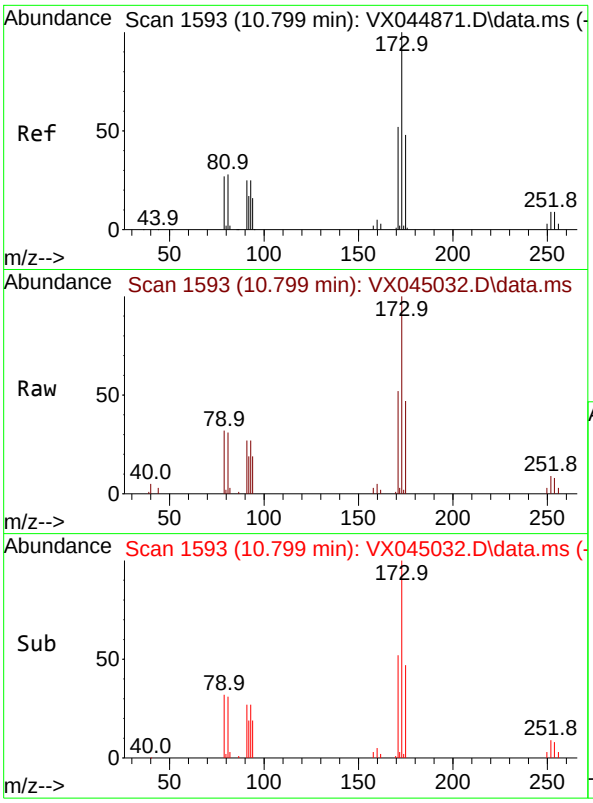


#70
Styrene
Concen: 20.025 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:104 Resp: 79389

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.5	60.7
103	54.8	43.6	65.4

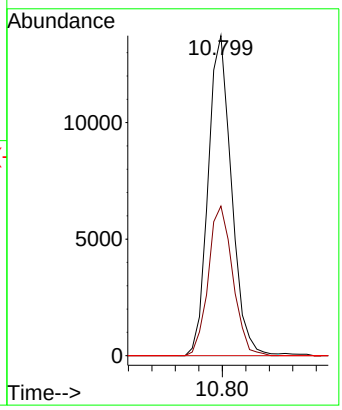




#71
Bromoform
Concen: 20.964 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:173 Resp: 1897

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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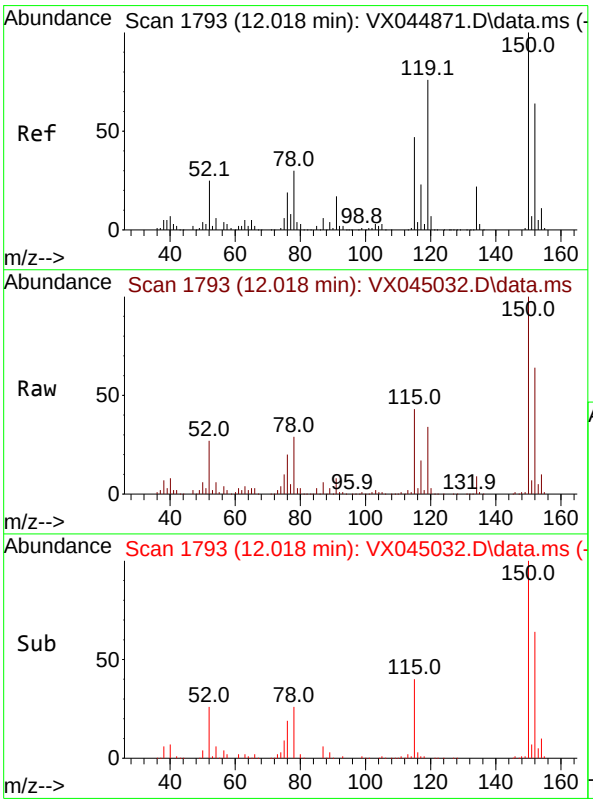
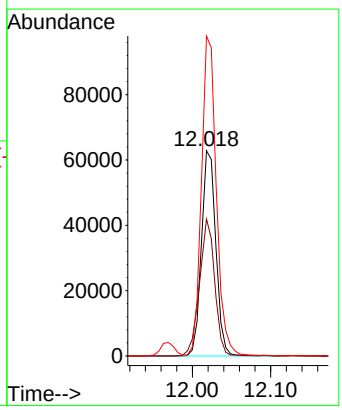
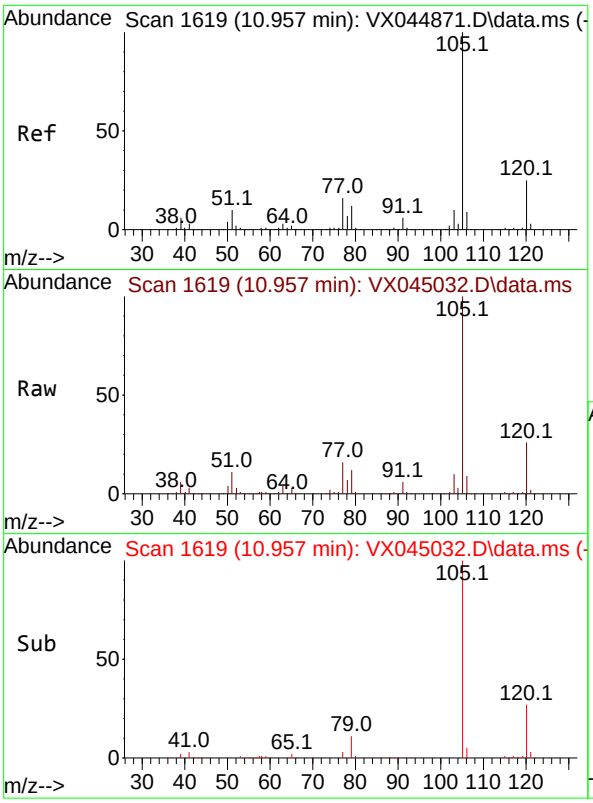


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:152 Resp: 80174

Ion	Ratio	Lower	Upper
152	100		
115	70.2	43.4	130.1
150	161.2	0.0	350.4

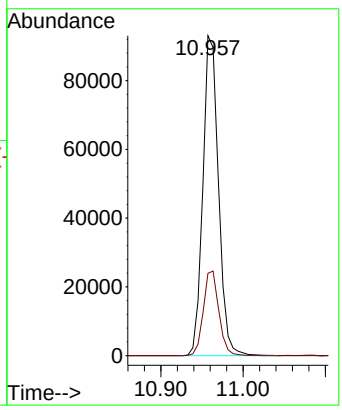




#73
Isopropylbenzene
Concen: 19.026 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:105 Resp: 12282

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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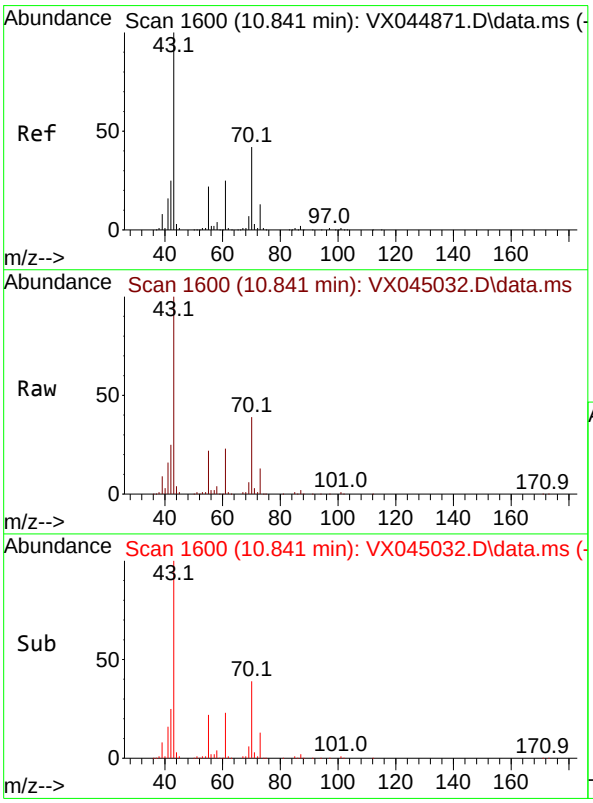
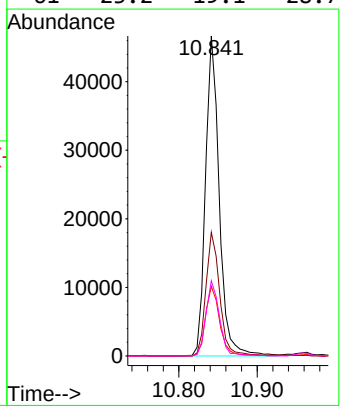
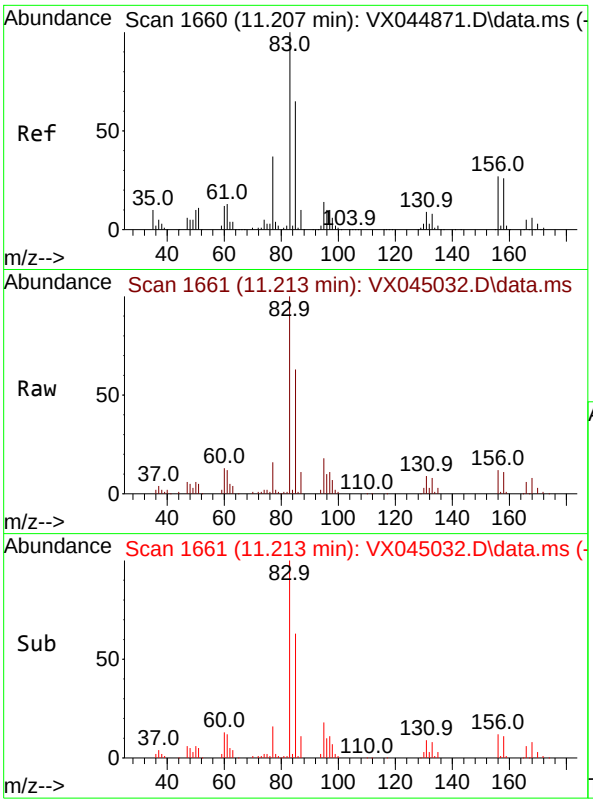


#74
N-amyl acetate
Concen: 19.423 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 56740

Ion	Ratio	Lower	Upper
43	100		
70	38.8	33.7	50.5
55	22.6	18.6	27.8
61	23.2	19.1	28.7

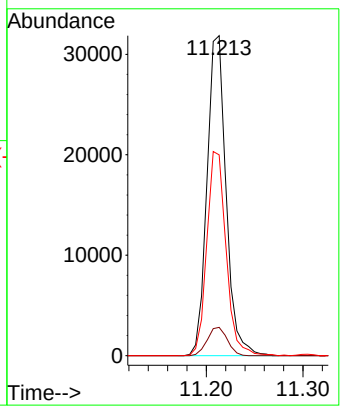




#75
1,1,2,2-Tetrachloroethane
Concen: 19.709 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 83 Resp: 4372

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.5
85	64.5	32.3	96.8



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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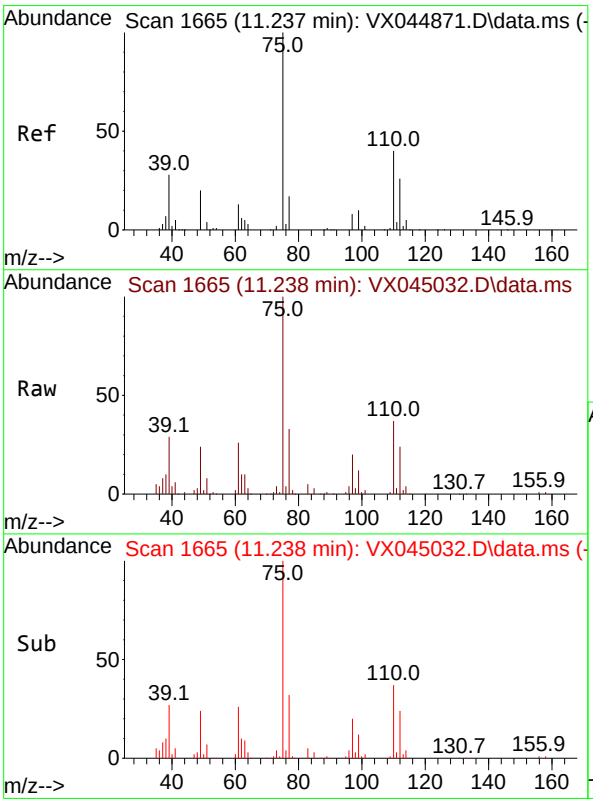
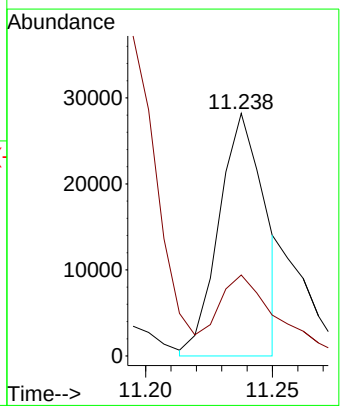
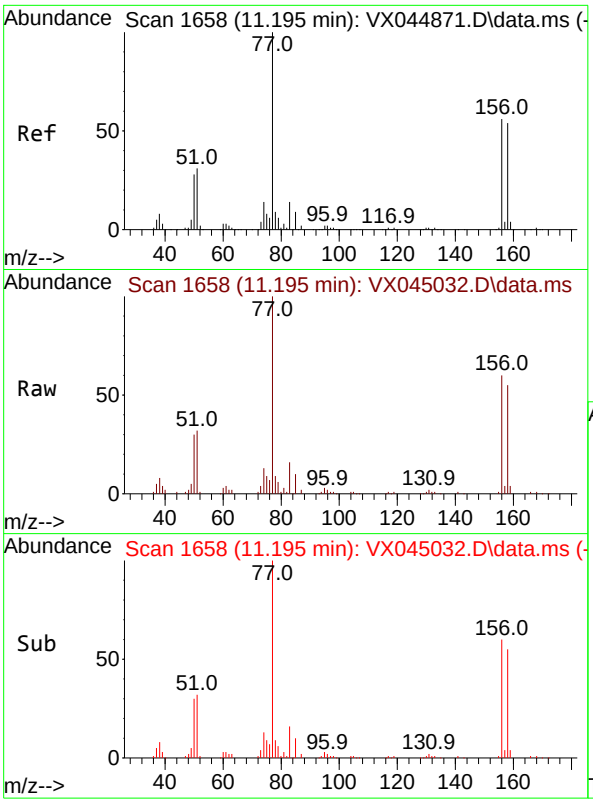


#76
1,2,3-Trichloropropane
Concen: 19.905 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 35383

Ion	Ratio	Lower	Upper
75	100		
77	42.9	21.9	65.7

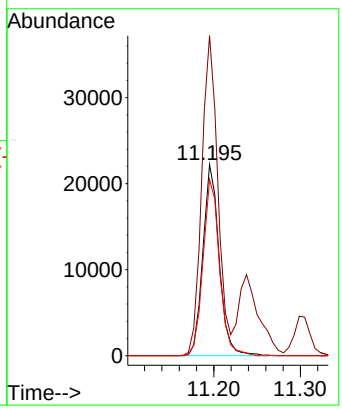




#77
Bromobenzene
Concen: 19.860 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:156 Resp: 2906

Ion	Ratio	Lower	Upper
156	100		
77	165.1	88.4	265.3
158	92.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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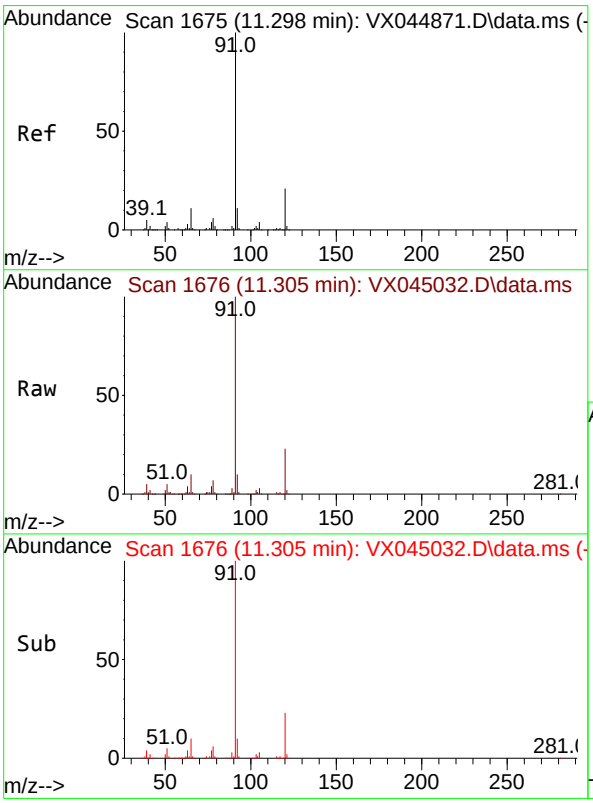
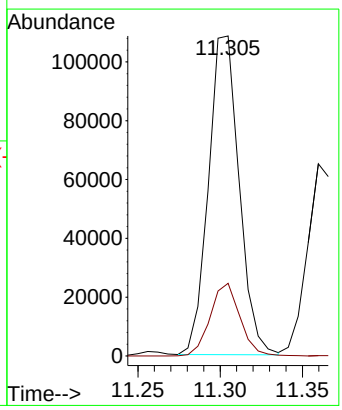
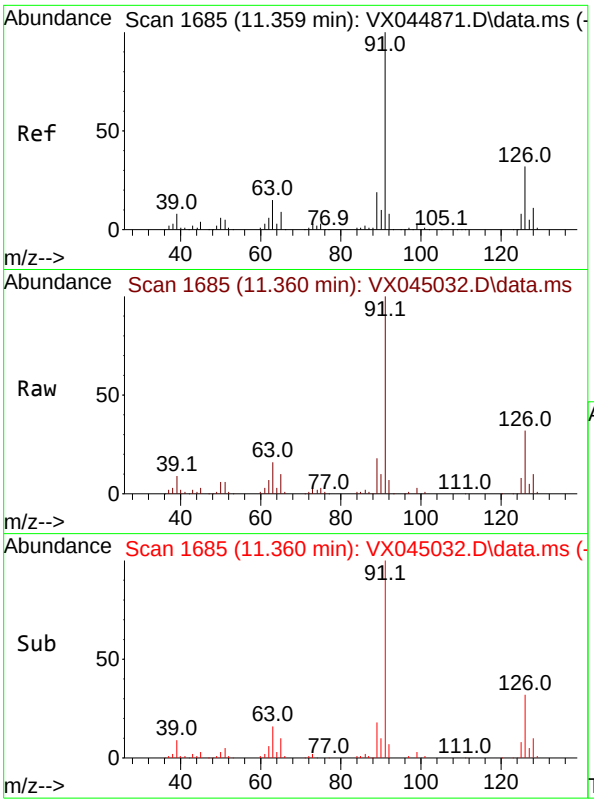


#78
n-propylbenzene
Concen: 18.896 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 91 Resp: 140796

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3





#79
2-Chlorotoluene
Concen: 18.638 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 91 Resp: 8535

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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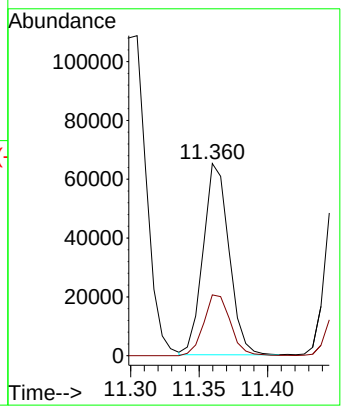
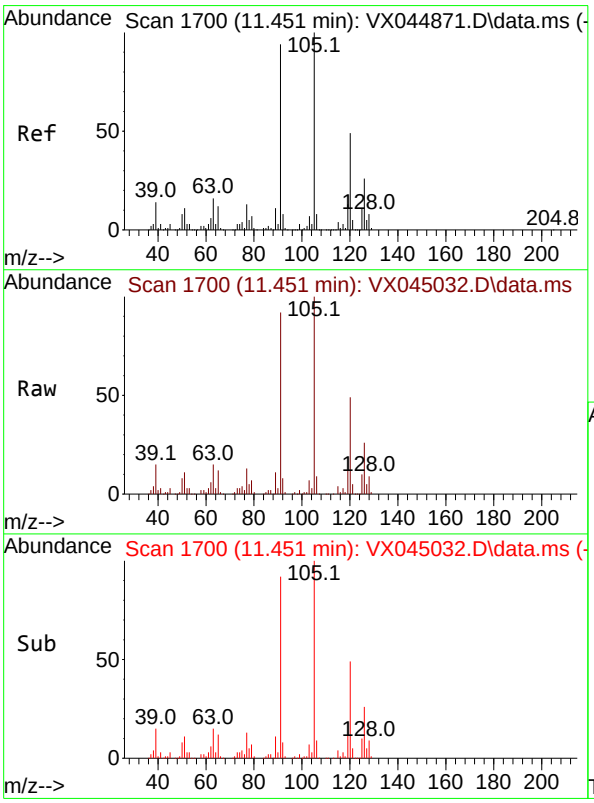
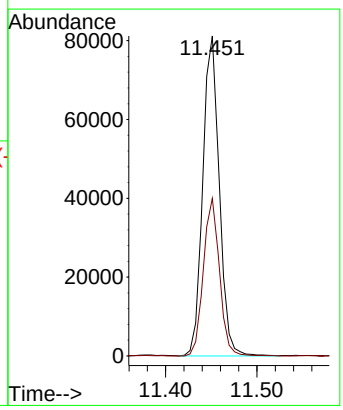


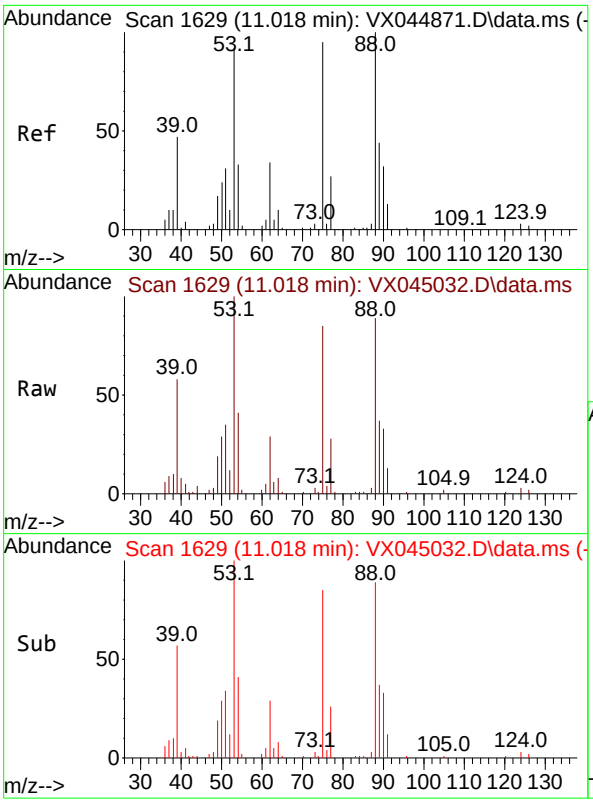


#80
1,3,5-Trimethylbenzene
Concen: 19.413 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:105 Resp: 101697

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 16.327 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 1128

Ion	Ratio	Lower	Upper
75	100		
53	115.7	78.0	117.0
89	44.1	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

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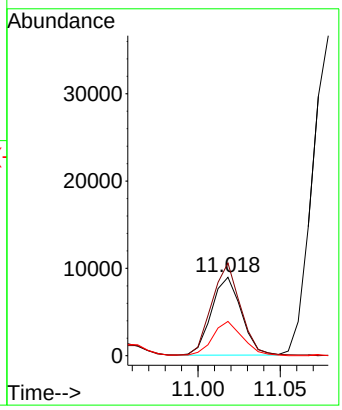
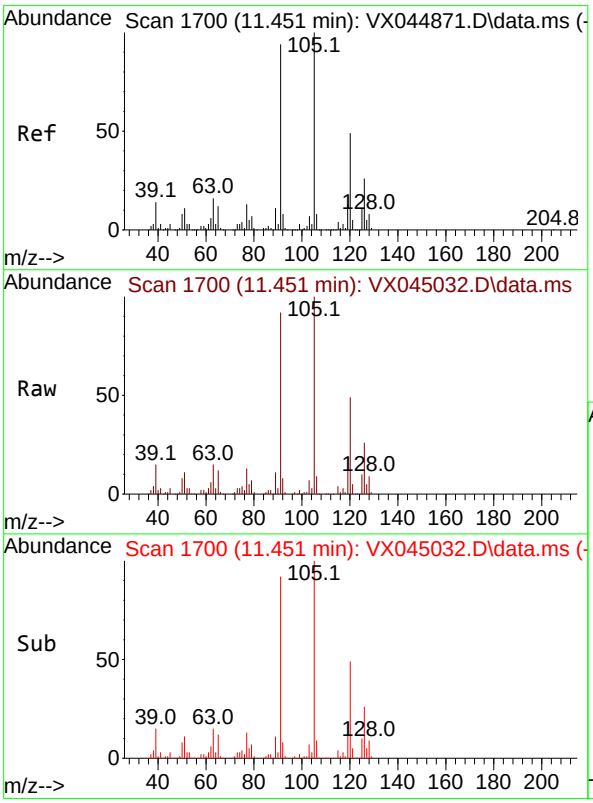
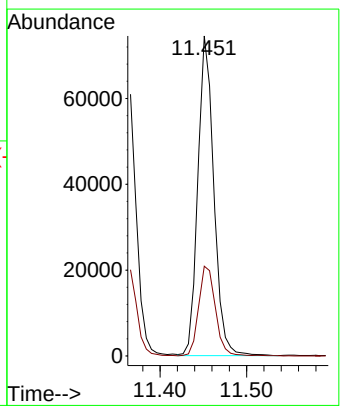


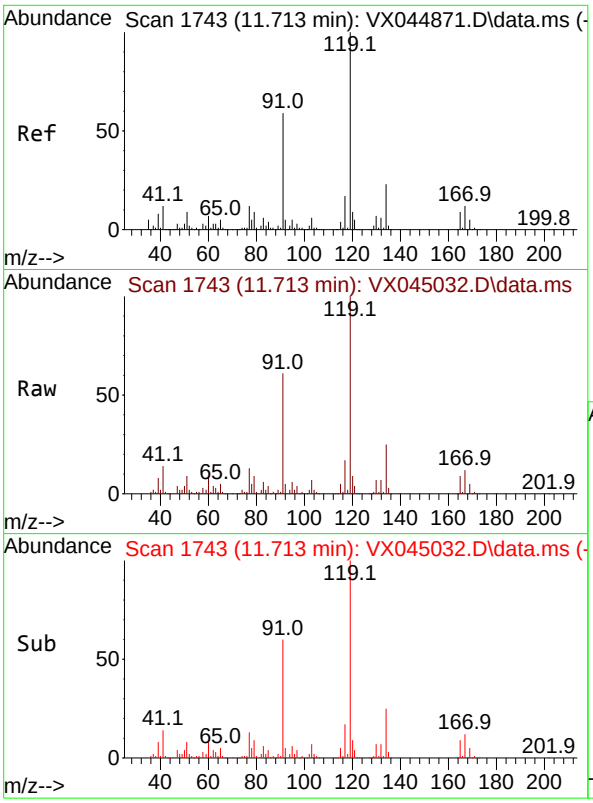


#82
4-Chlorotoluene
Concen: 18.828 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 91 Resp: 95392

Ion	Ratio	Lower	Upper
91	100		
126	29.7	14.2	42.6

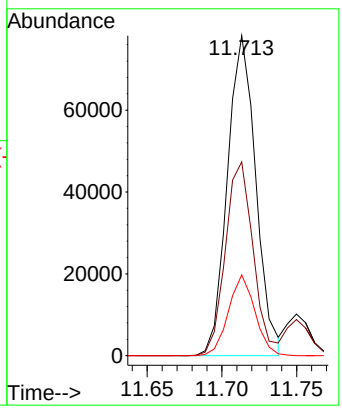




#83
tert-Butylbenzene
Concen: 19.525 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:119 Resp: 10347

Ion	Ratio	Lower	Upper
119	100		
91	59.5	29.1	87.4
134	23.5	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Manual Integrations
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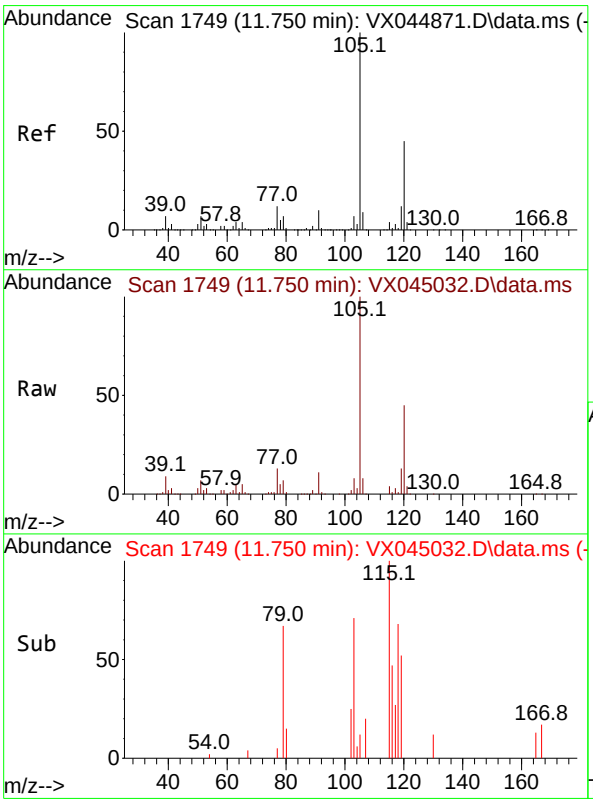
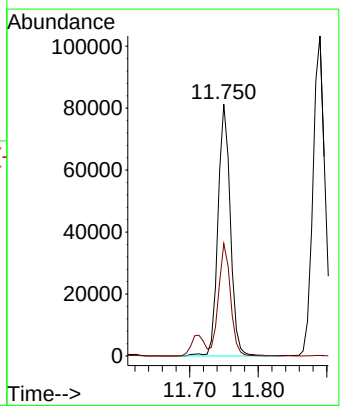
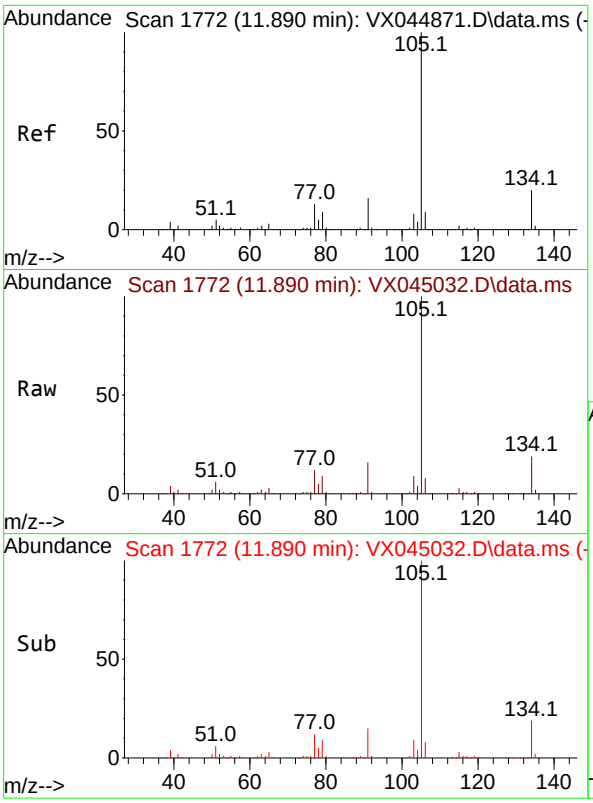


#84
1,2,4-Trimethylbenzene
Concen: 19.564 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:105 Resp: 101154

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.4	67.0

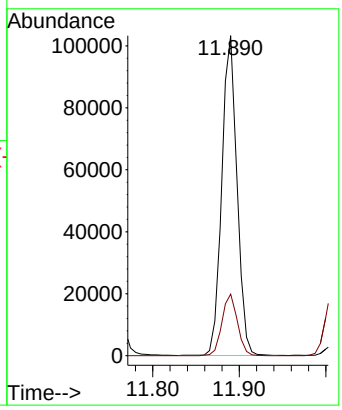




#85
sec-Butylbenzene
Concen: 19.167 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:105 Resp: 12578

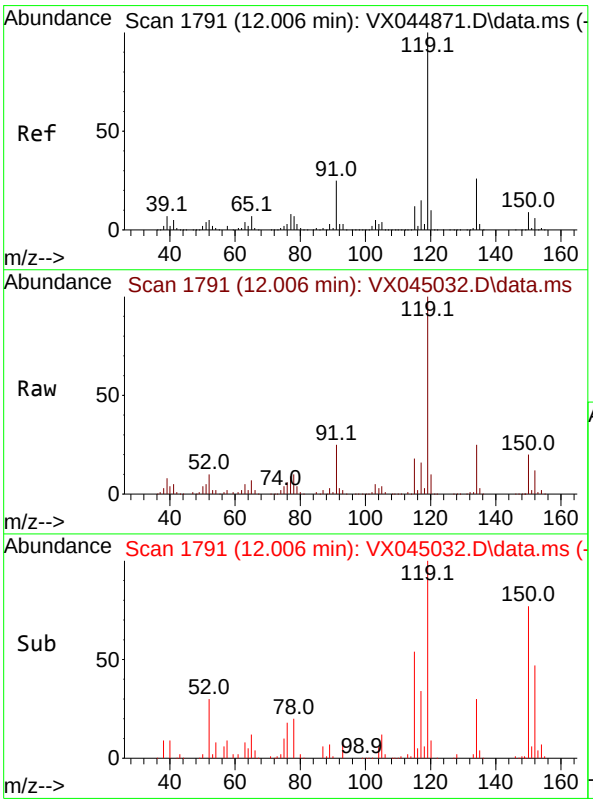
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Manual Integrations
APPROVED

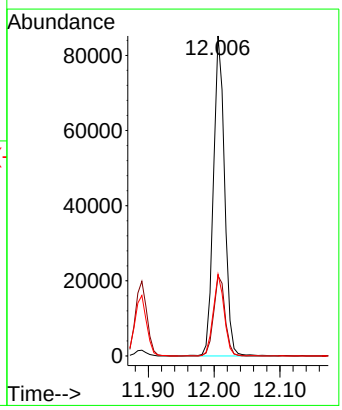
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

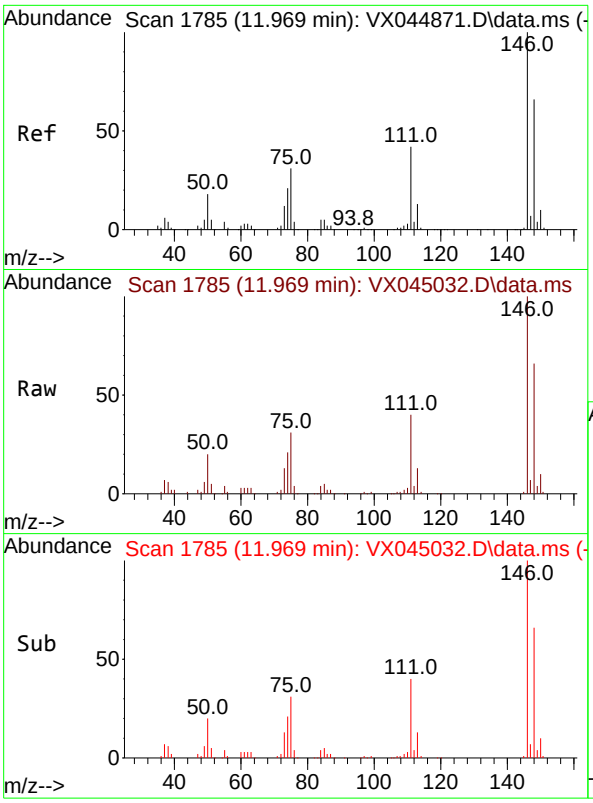


#86
p-Isopropyltoluene
Concen: 19.116 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:119 Resp: 100881

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	38.9
91	25.0	12.1	36.3

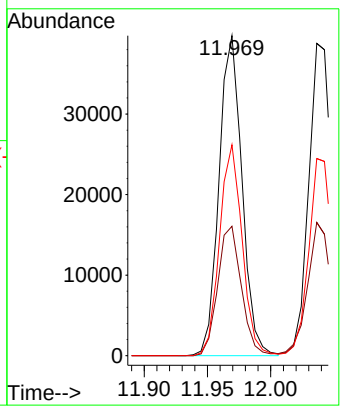




#87
1,3-Dichlorobenzene
Concen: 18.633 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:146 Resp: 5015

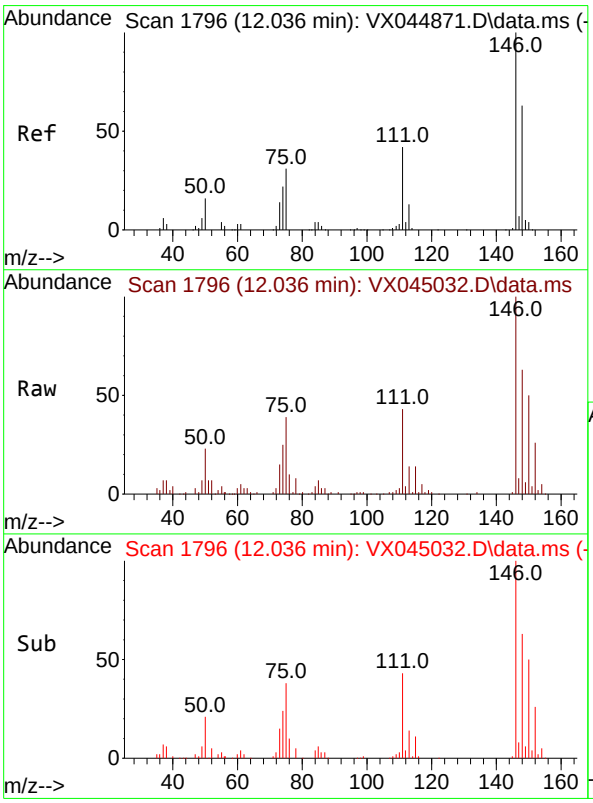
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.2	63.6
148	64.9	32.5	97.5



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Manual Integrations
APPROVED

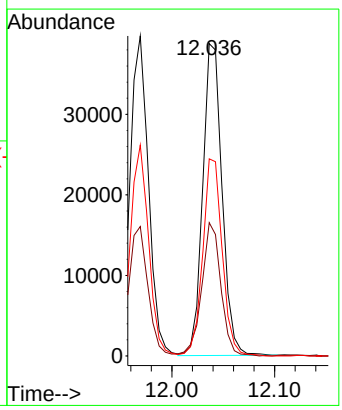
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

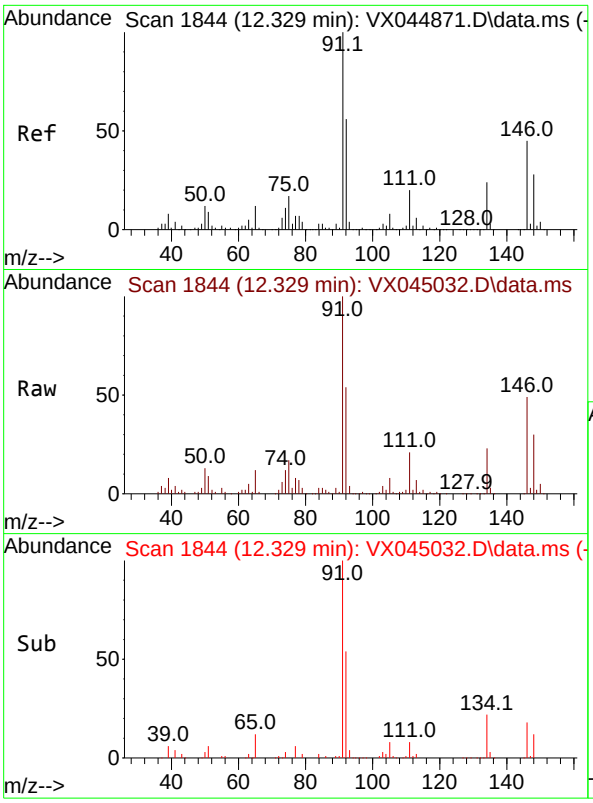


#88
1,4-Dichlorobenzene
Concen: 18.636 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:146 Resp: 50714

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.4	61.3
148	63.9	32.0	96.0

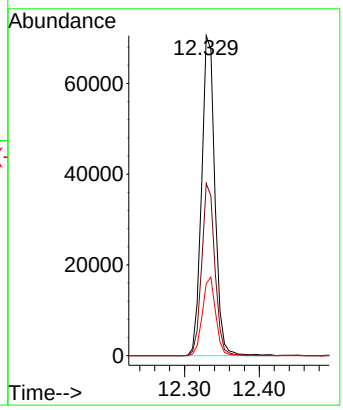




#89
n-Butylbenzene
Concen: 18.666 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 91 Resp: 8715

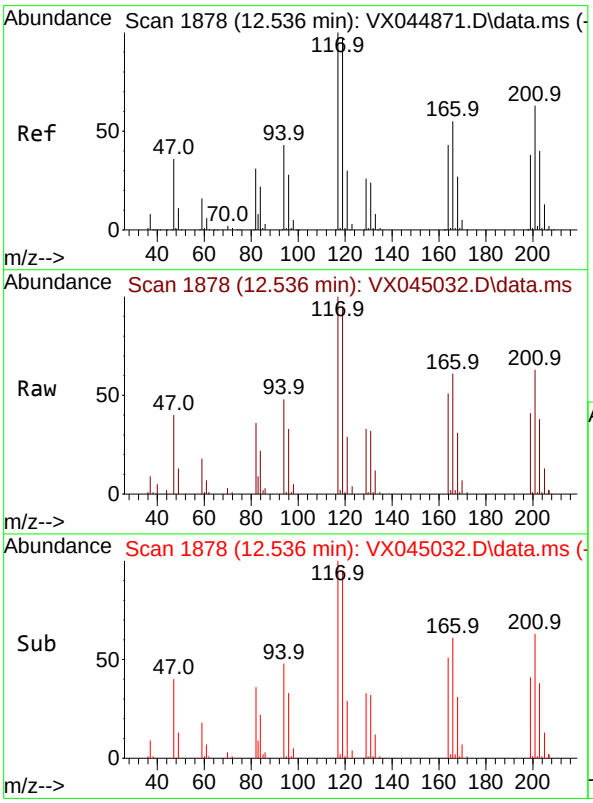
Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.2	81.6
134	24.5	12.1	36.3



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Manual Integrations
APPROVED

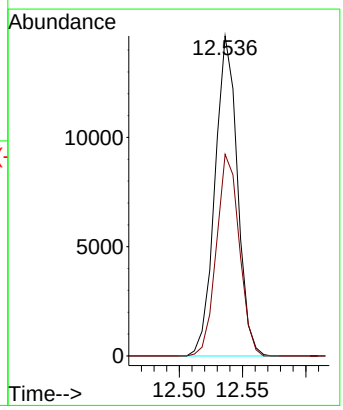
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

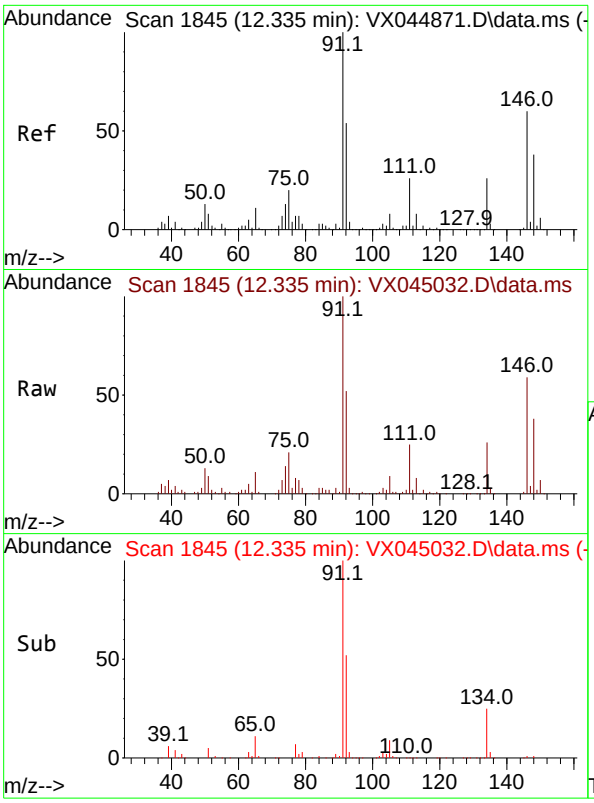


#90
Hexachloroethane
Concen: 18.288 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:117 Resp: 18072

Ion	Ratio	Lower	Upper
117	100		
201	64.1	32.5	97.5

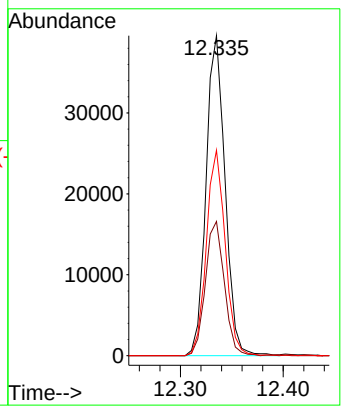




#91
1,2-Dichlorobenzene
Concen: 19.233 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:146 Resp: 5087

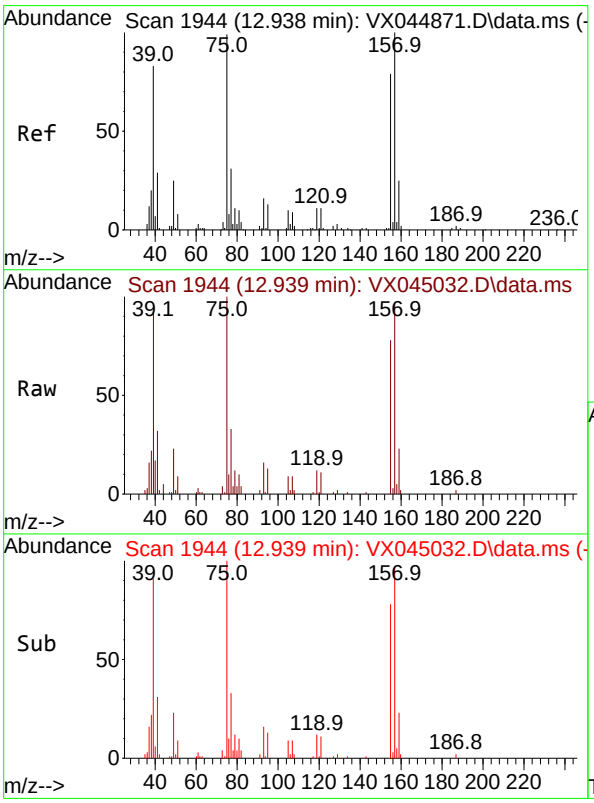
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.8	65.4
148	63.6	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Manual Integrations
APPROVED

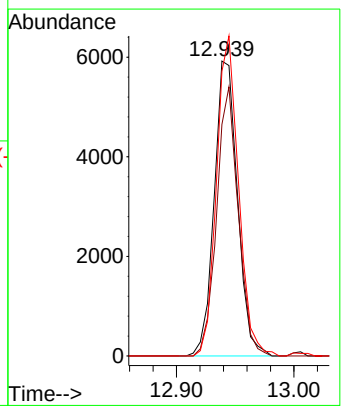
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

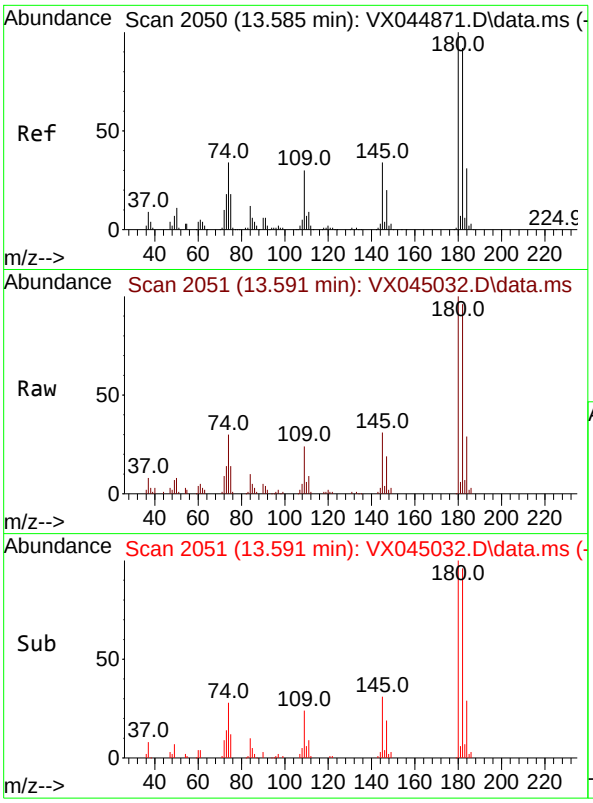


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.172 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 8167

Ion	Ratio	Lower	Upper
75	100		
155	84.6	40.5	121.4
157	102.6	51.4	154.3

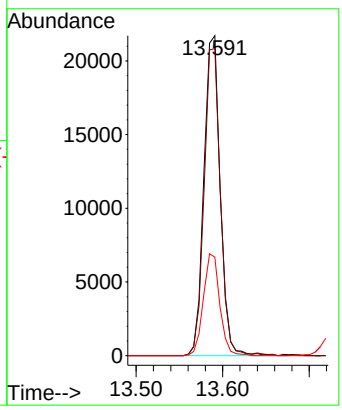




#93
1,2,4-Trichlorobenzene
Concen: 17.779 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:180 Resp: 2845

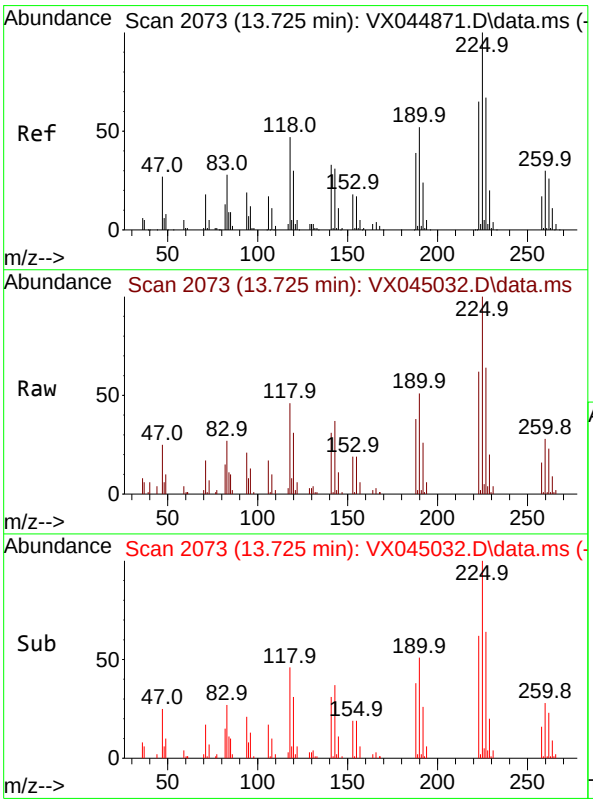
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	32.0	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Manual Integrations APPROVED

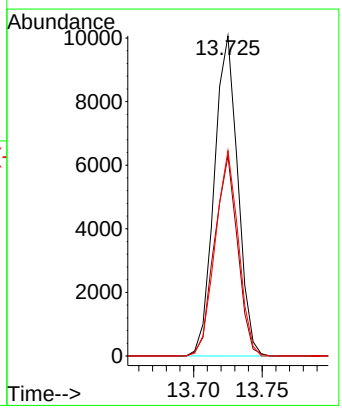
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

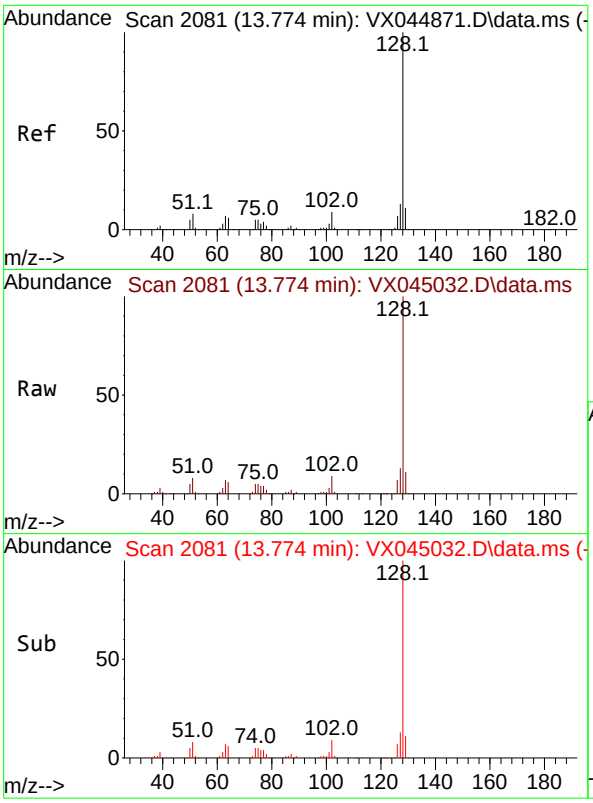


#94
Hexachlorobutadiene
Concen: 18.900 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:225 Resp: 12009

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.2
227	63.0	32.3	96.8

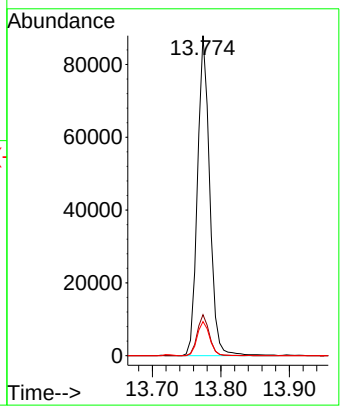




#95
Naphthalene
Concen: 18.898 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:128 Resp: 10934

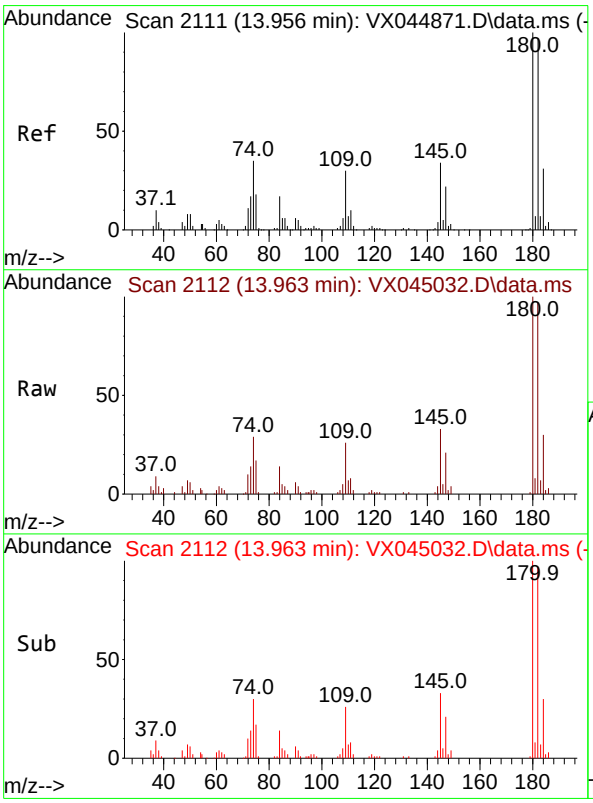
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Manual Integrations APPROVED

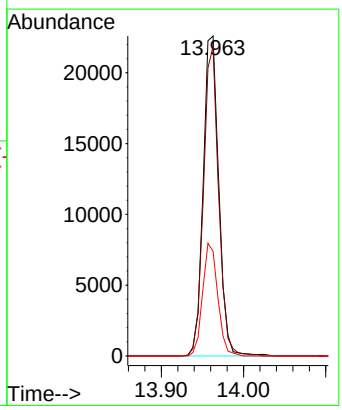
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.454 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:180 Resp: 29764

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.9	143.6
145	34.2	17.1	51.3



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0228WBS01	SDG No.:	Q1401
Lab Sample ID:	VX0228WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045080.D	1		02/28/25 11:46	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	18.6		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	17.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	16.6		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.26	0.75	1.00	ug/L
67-64-1	Acetone	83.3		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.7		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.9		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.9		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.6		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.9		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	91.6		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.5		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.2		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	18.1		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.2		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.8		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.0		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.6		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.6		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.6		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.6		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.5		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.1		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	97.0		1.10	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0228WBS01	SDG No.:	Q1401
Lab Sample ID:	VX0228WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045080.D	1		02/28/25 11:46	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	18.5		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.1		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.7		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	18.2		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.4		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.3		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.9		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	108000	5.544				
540-36-3	1,4-Difluorobenzene	193000	6.757				
3114-55-4	Chlorobenzene-d5	169000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	76500	12.018				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045080.D
Acq On : 28 Feb 2025 11:46
Operator : JC/MD
Sample : VX0228WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	108329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	192724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	169474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80881	46.938	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.880%			
35) Dibromofluoromethane	5.379	113	62124	48.207	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.420%			
50) Toluene-d8	8.647	98	233874	50.059	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.120%			
62) 4-Bromofluorobenzene	11.079	95	78964	51.005	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25993	19.062	ug/l	98
3) Chloromethane	1.301	50	31053	18.608	ug/l	96
4) Vinyl Chloride	1.374	62	30398	18.363	ug/l	96
5) Bromomethane	1.593	94	11496	17.665	ug/l	98
6) Chloroethane	1.660	64	12662	16.582	ug/l	99
7) Trichlorofluoromethane	1.868	101	40845	18.638	ug/l	100
8) Diethyl Ether	2.136	74	14376	16.771	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	25054	19.899	ug/l	99
10) Methyl Iodide	2.441	142	27491	17.472	ug/l	97
11) Tert butyl alcohol	2.995	59	26171	80.184	ug/l	99
12) 1,1-Dichloroethene	2.306	96	24097	18.103	ug/l	97
13) Acrolein	2.239	56	42643	113.023	ug/l	98
14) Allyl chloride	2.654	41	44238	18.670	ug/l	99
15) Acrylonitrile	3.069	53	78022	89.193	ug/l	98
16) Acetone	2.386	43	66572	83.269	ug/l	100
17) Carbon Disulfide	2.502	76	62721	17.691	ug/l	97
18) Methyl Acetate	2.709	43	33660	17.501	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	79756	17.859	ug/l	98
20) Methylene Chloride	2.782	84	28274	17.853	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	24403	18.556	ug/l	95
22) Diisopropyl ether	3.764	45	89611	18.596	ug/l	94
23) Vinyl Acetate	3.721	43	377536	93.881	ug/l	99
24) 1,1-Dichloroethane	3.599	63	48272	17.874	ug/l	99
25) 2-Butanone	4.562	43	110248	91.613	ug/l	100
26) 2,2-Dichloropropane	4.471	77	33053	26.092	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	29539	18.196	ug/l	96
28) Bromochloromethane	4.891	49	22404	17.404	ug/l	98
29) Tetrahydrofuran	5.007	42	71331	88.264	ug/l	99
30) Chloroform	5.086	83	48521	18.082	ug/l	97
31) Cyclohexane	5.458	56	45303	19.324	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	39336	18.150	ug/l	99
36) 1,1-Dichloropropene	5.684	75	33230	18.803	ug/l	99
37) Ethyl Acetate	4.715	43	40562	17.811	ug/l	98
38) Carbon Tetrachloride	5.666	117	33280	18.548	ug/l	96
39) Methylcyclohexane	7.373	83	44081	20.816	ug/l	97
40) Benzene	6.031	78	106228	19.035	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045080.D
Acq On : 28 Feb 2025 11:46
Operator : JC/MD
Sample : VX0228WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	22360	18.159	ug/l		97
42) 1,2-Dichloroethane	6.086	62	37297	18.559	ug/l		100
43) Isopropyl Acetate	6.342	43	64239	19.076	ug/l		99
44) Trichloroethene	7.123	130	24390	18.612	ug/l		93
45) 1,2-Dichloropropane	7.428	63	26709	18.614	ug/l		96
46) Dibromomethane	7.580	93	19218	18.949	ug/l		99
47) Bromodichloromethane	7.818	83	37048	18.624	ug/l		99
48) Methyl methacrylate	7.690	41	30953	18.322	ug/l		97
49) 1,4-Dioxane	7.665	88	13158	369.225	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	216153	95.598	ug/l		100
52) Toluene	8.714	92	64270	19.628	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	32395	19.479	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	38727	19.970	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	25711	19.074	ug/l		98
56) Ethyl methacrylate	9.116	69	38638	18.857	ug/l		99
57) 1,3-Dichloropropane	9.305	76	44044	18.881	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	99991	100.039	ug/l		99
59) 2-Hexanone	9.433	43	158894	96.991	ug/l		100
60) Dibromochloromethane	9.519	129	26039	18.475	ug/l		96
61) 1,2-Dibromoethane	9.610	107	25976	19.303	ug/l		97
64) Tetrachloroethene	9.269	164	20636	19.012	ug/l		98
65) Chlorobenzene	10.079	112	70182	19.571	ug/l		95
66) 1,1,1,2-Tetrachloroethane	10.159	131	21951	18.381	ug/l		98
67) Ethyl Benzene	10.189	91	121335	19.418	ug/l		100
68) m/p-Xylenes	10.299	106	91808	40.136	ug/l		99
69) o-Xylene	10.640	106	45354	19.659	ug/l		98
70) Styrene	10.653	104	75515	20.230	ug/l		98
71) Bromoform	10.799	173	16386	18.196	ug/l	#	99
73) Isopropylbenzene	10.957	105	115731	19.389	ug/l		100
74) N-amyl acetate	10.842	43	53161	18.981	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	40107	18.311	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	31765m	17.847	ug/l		
77) Bromobenzene	11.195	156	26840	19.058	ug/l		99
78) n-propylbenzene	11.305	91	135011	20.023	ug/l		100
79) 2-Chlorotoluene	11.360	91	81025	18.869	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	96986	20.095	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9262	17.808	ug/l		90
82) 4-Chlorotoluene	11.451	91	90109	19.254	ug/l		98
83) tert-Butylbenzene	11.713	119	95461	19.251	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	95268	19.618	ug/l		99
85) sec-Butylbenzene	11.890	105	118388	19.930	ug/l		99
86) p-Isopropyltoluene	12.006	119	97752	20.363	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	48888	19.459	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	49240	19.373	ug/l		99
89) n-Butylbenzene	12.329	91	84515	20.441	ug/l		100
90) Hexachloroethane	12.536	117	16106	18.549	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	48893	19.400	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7561	17.719	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	28247	19.684	ug/l		99
94) Hexachlorobutadiene	13.725	225	11980	20.362	ug/l		99
95) Naphthalene	13.774	128	106065	19.237	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	30059	19.855	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045080.D
Acq On : 28 Feb 2025 11:46
Operator : JC/MD
Sample : VX0228WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045080.D
Acq On : 28 Feb 2025 11:46
Operator : JC/MD
Sample : VX0228WBS01
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ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations APPROVED

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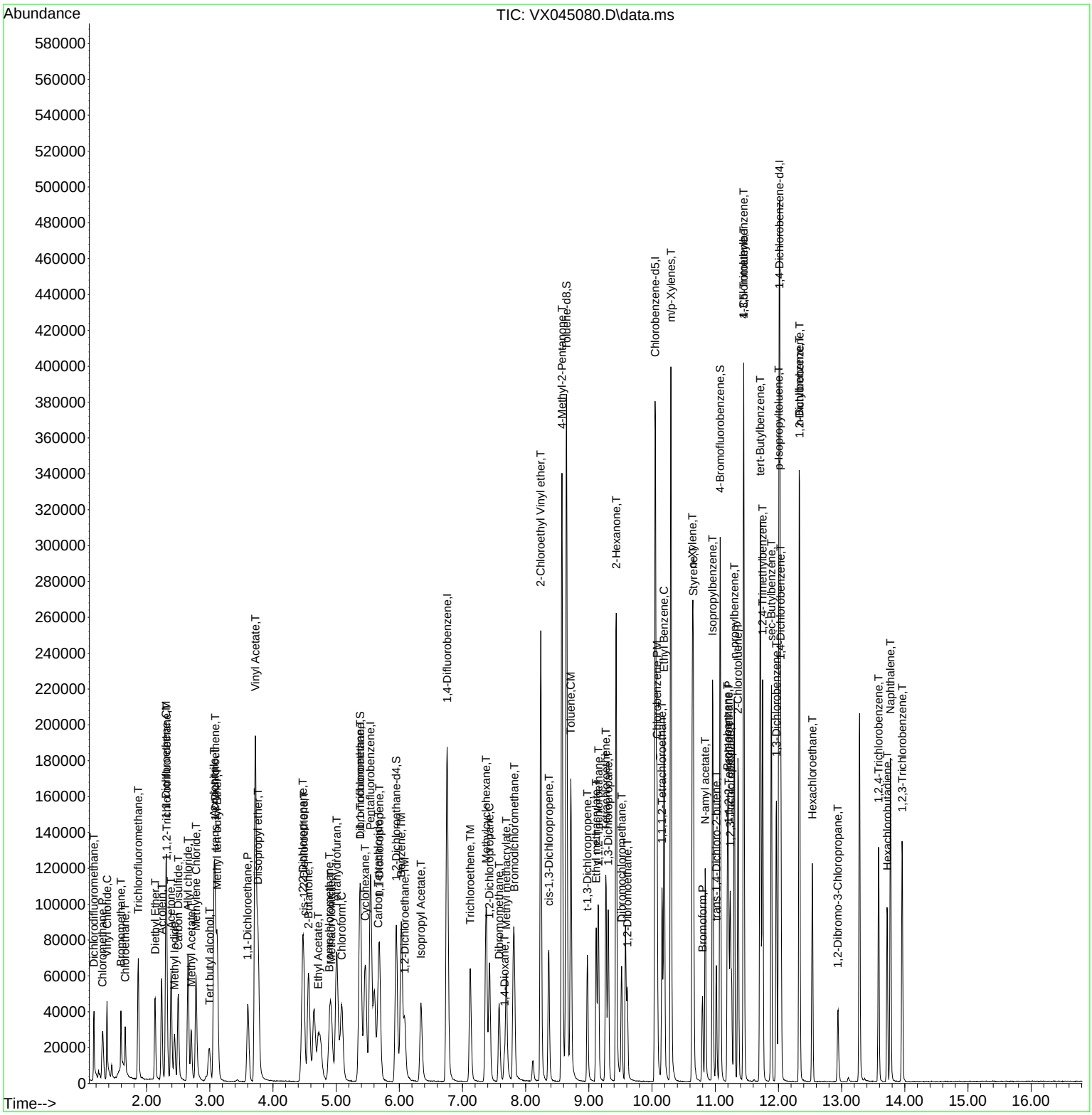
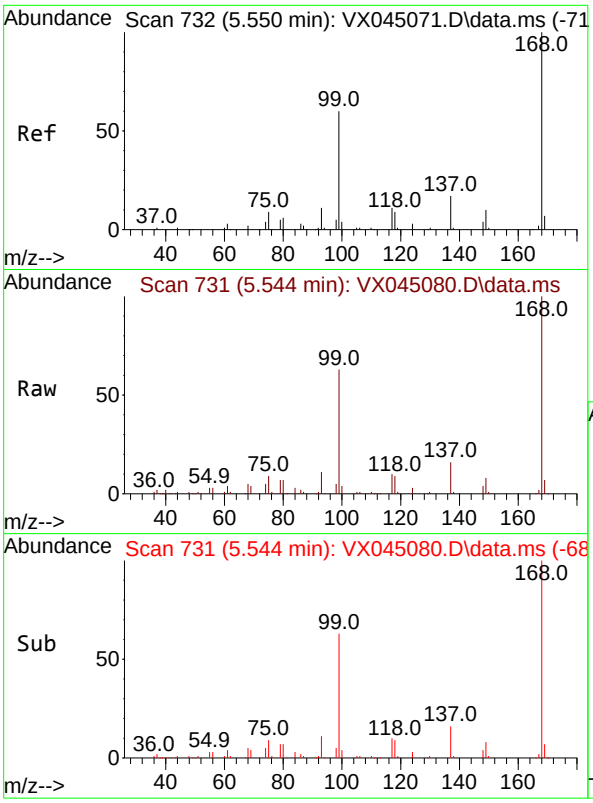
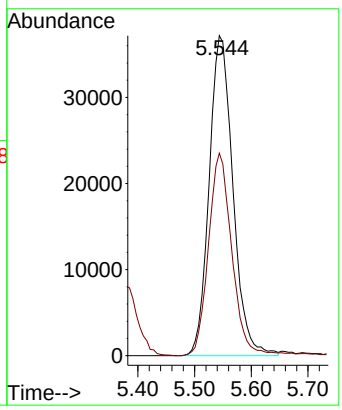




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:168 Resp: 10832

Ion	Ratio	Lower	Upper
168	100		
99	63.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
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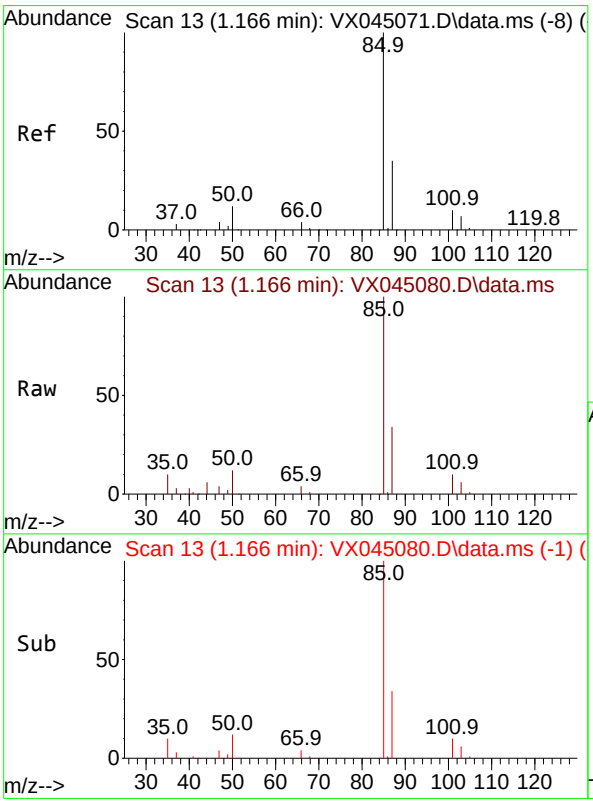
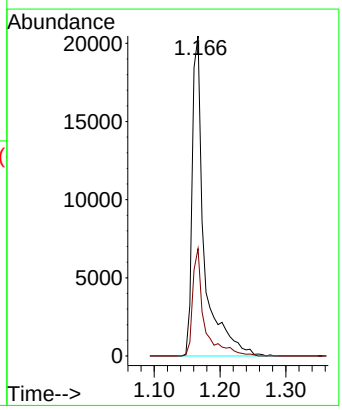
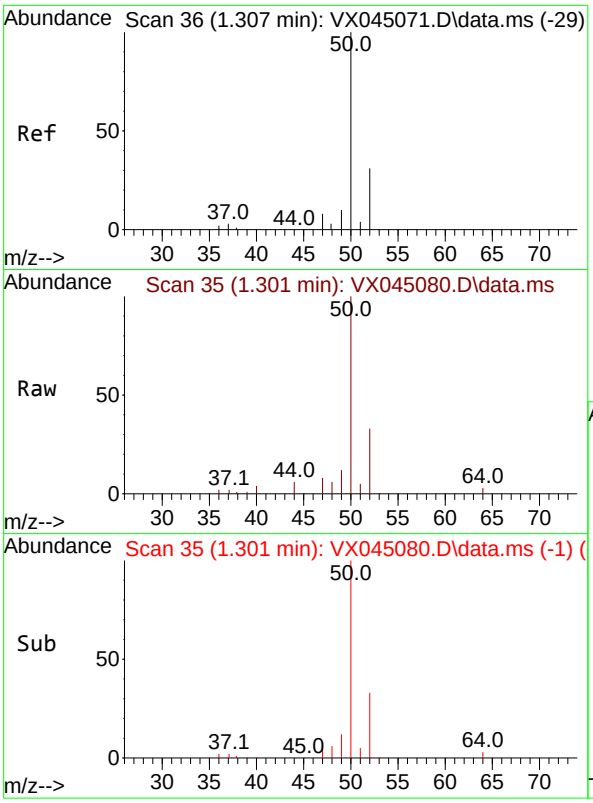


#2
Dichlorodifluoromethane
Concen: 19.062 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 85 Resp: 25993

Ion	Ratio	Lower	Upper
85	100		
87	33.5	17.4	52.3

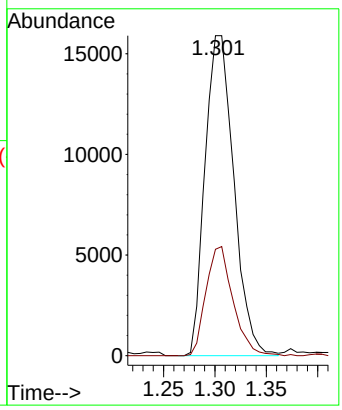




#3
Chloromethane
Concen: 18.608 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 50 Resp: 3105

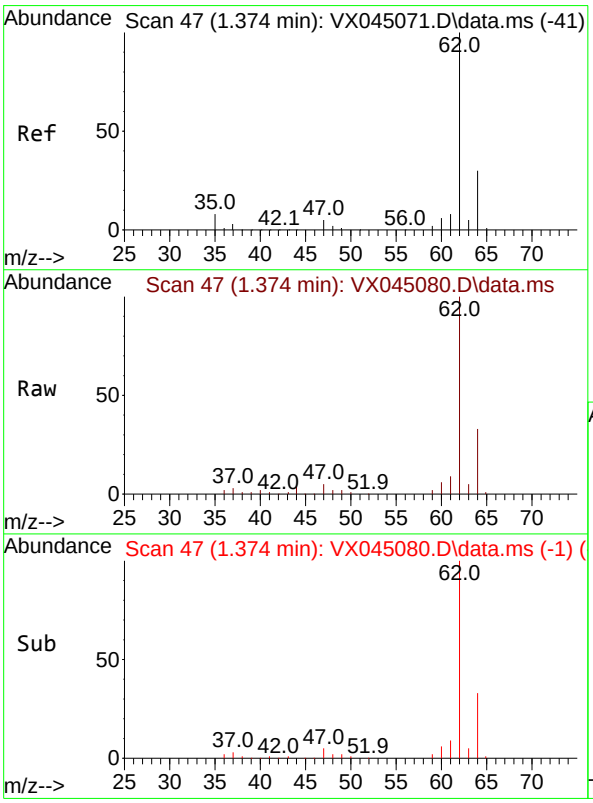
Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
APPROVED

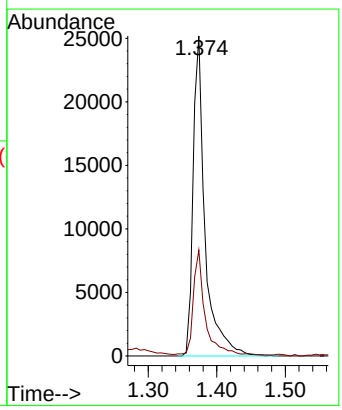
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

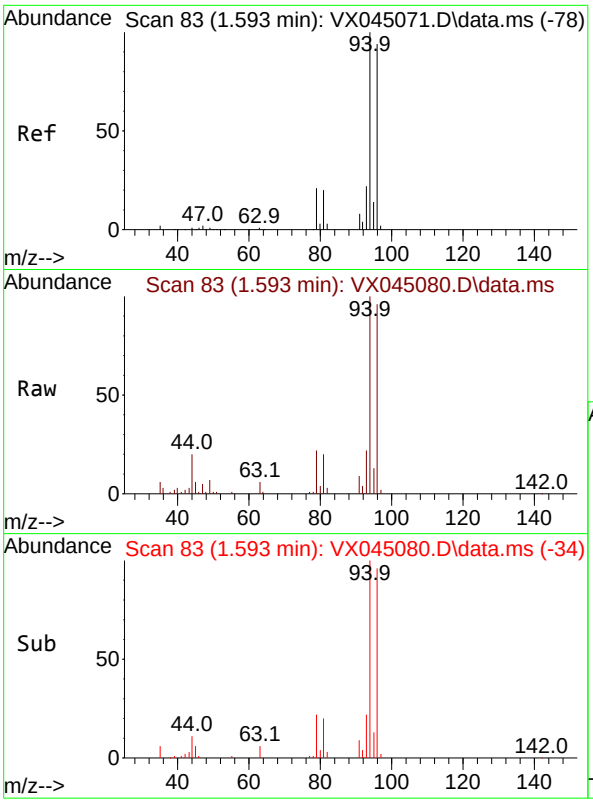


#4
Vinyl Chloride
Concen: 18.363 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 62 Resp: 30398

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.3	36.5

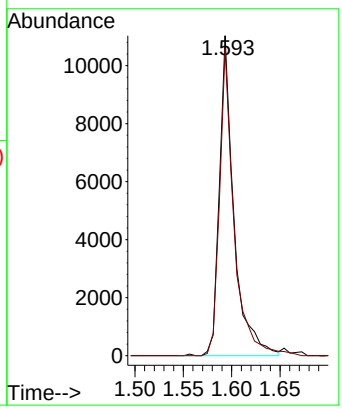




#5
Bromomethane
Concen: 17.665 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 94 Resp: 1149

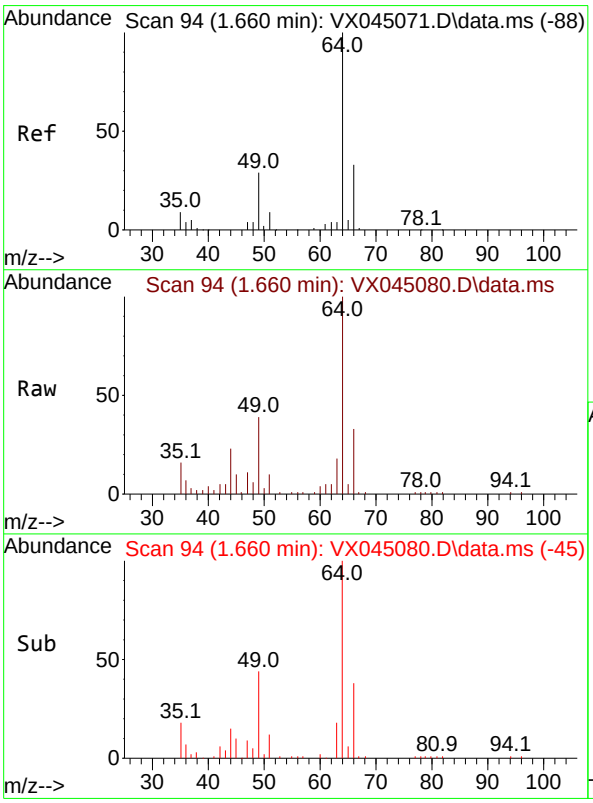
Ion	Ratio	Lower	Upper
94	100		
96	95.9	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
APPROVED

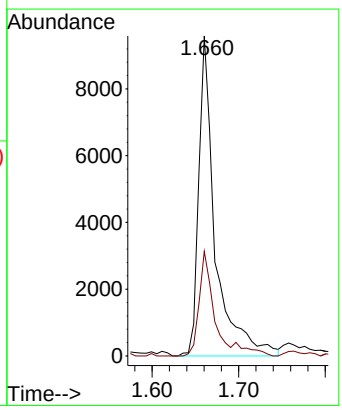
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

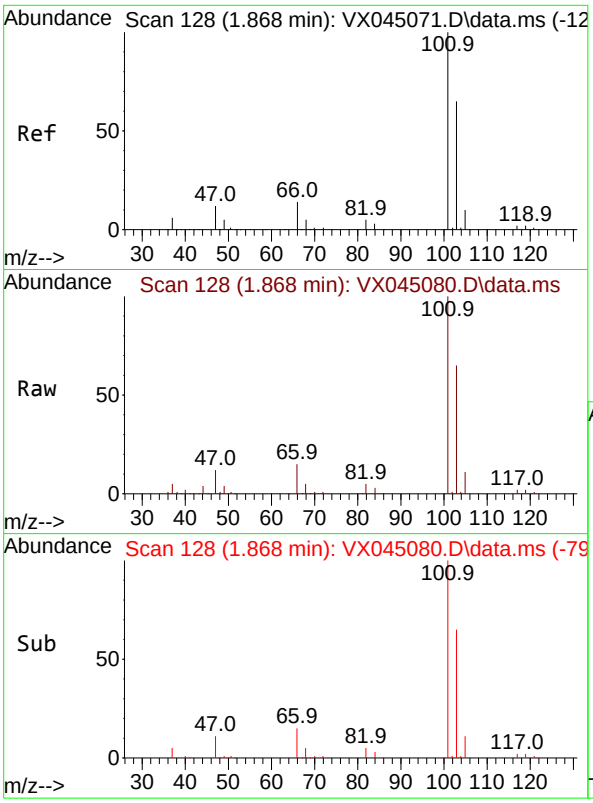


#6
Chloroethane
Concen: 16.582 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 64 Resp: 12662

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.7	40.1

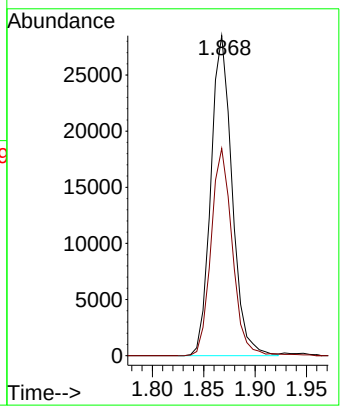




#7
Trichlorofluoromethane
Concen: 18.638 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:101 Resp: 4084

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
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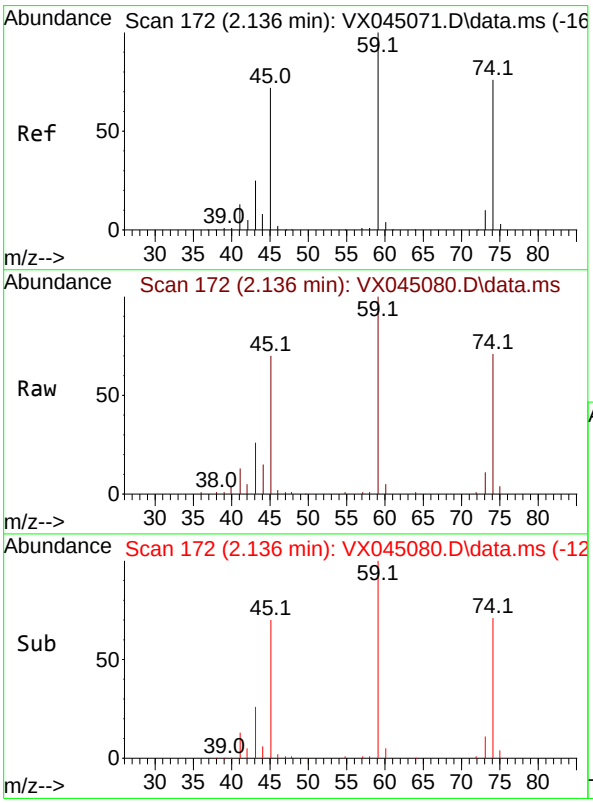
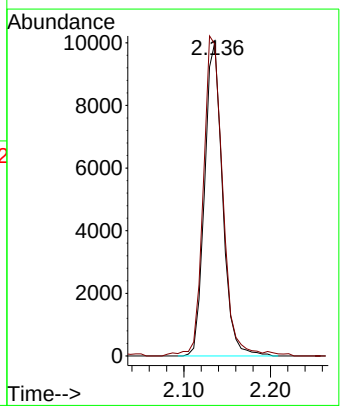
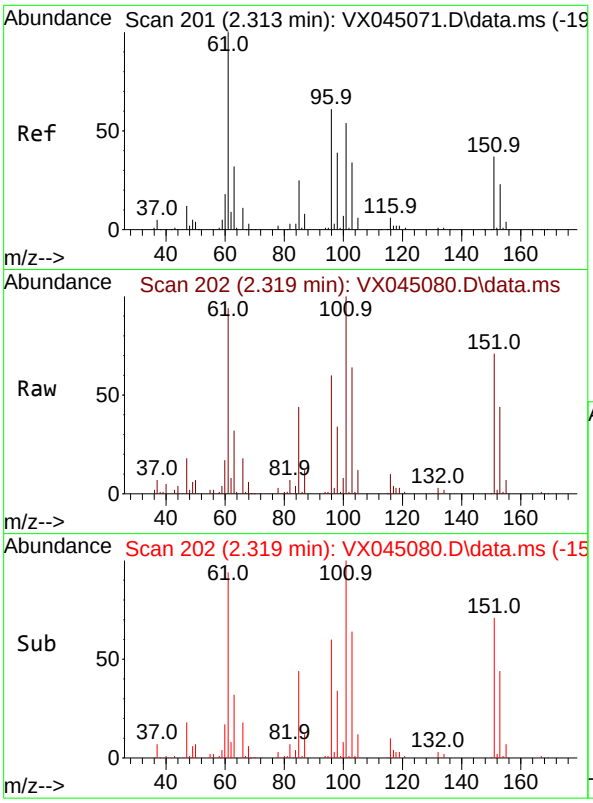


#8
Diethyl Ether
Concen: 16.771 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 74 Resp: 14376

Ion	Ratio	Lower	Upper
74	100		
45	111.0	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.899 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:101 Resp: 2505

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.4
151	69.8	56.4	84.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
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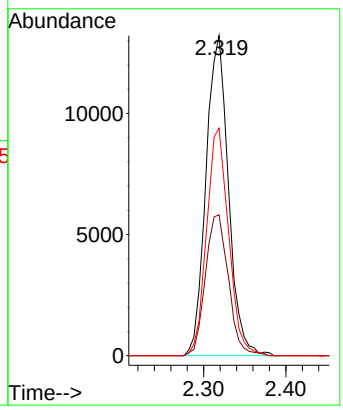
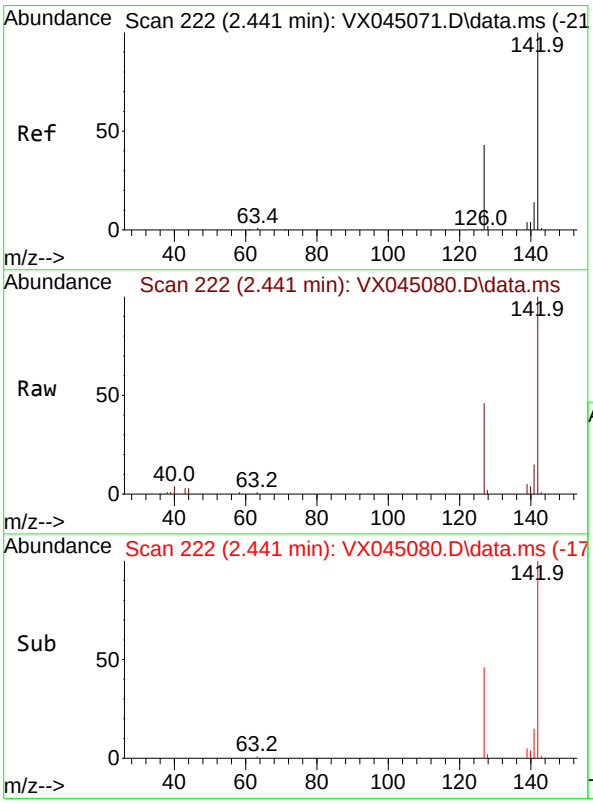
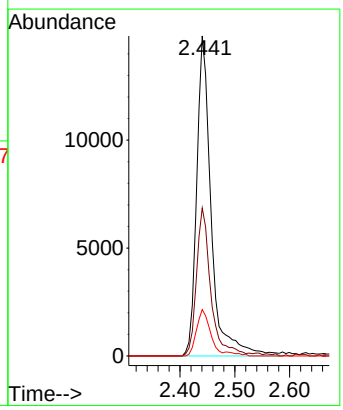


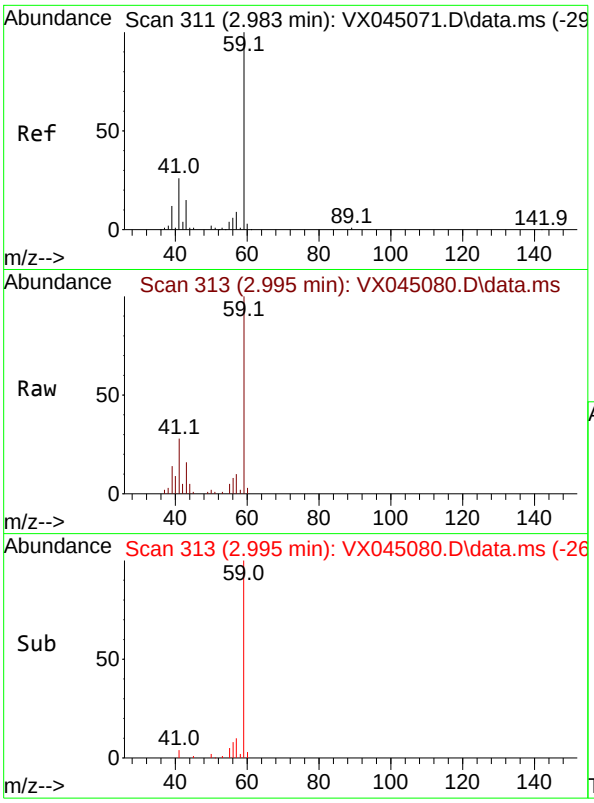


#10
Methyl Iodide
Concen: 17.472 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:142 Resp: 27491

Ion	Ratio	Lower	Upper
142	100		
127	46.4	35.4	53.2
141	14.7	11.6	17.4

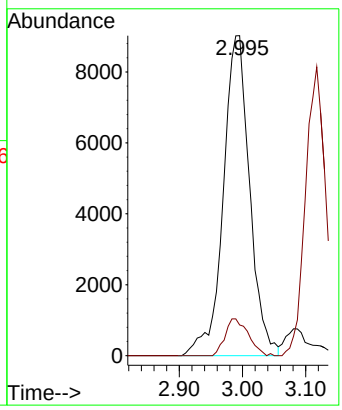




#11
Tert butyl alcohol
Concen: 80.184 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 59 Resp: 2617

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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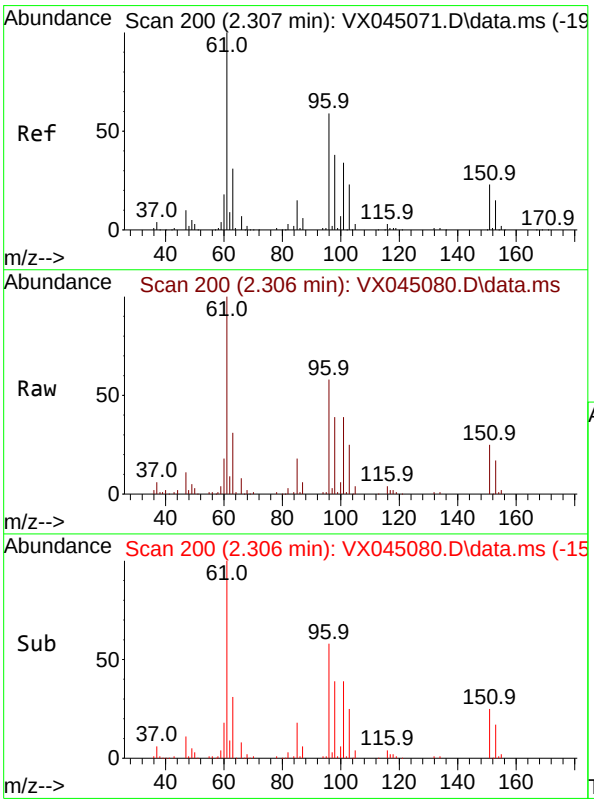
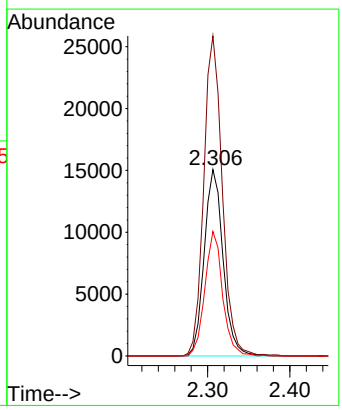
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

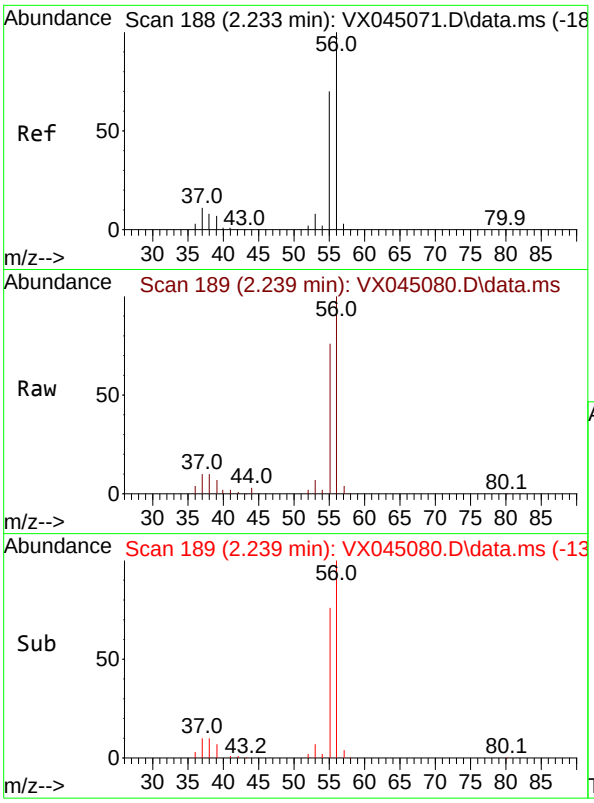


#12
1,1-Dichloroethene
Concen: 18.103 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 96 Resp: 24097

Ion	Ratio	Lower	Upper
96	100		
61	171.7	134.6	202.0
98	66.8	51.0	76.6

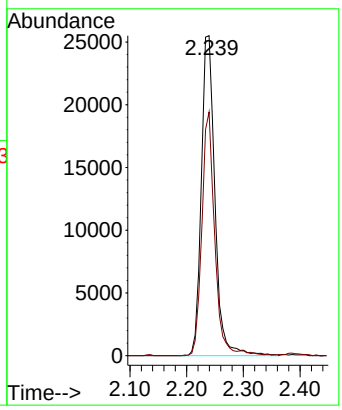




#13
Acrolein
Concen: 113.023 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 56 Resp: 4264

Ion	Ratio	Lower	Upper
56	100		
55	72.2	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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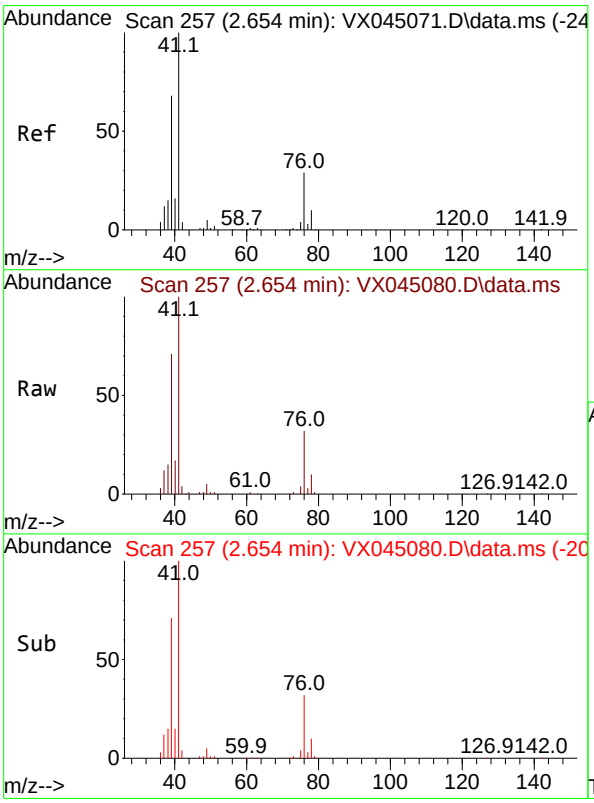
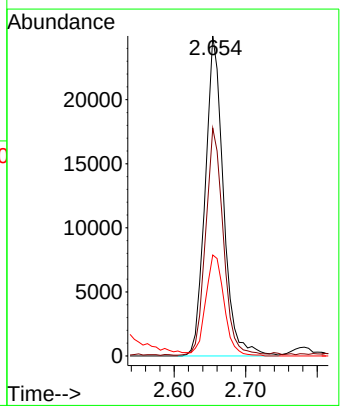
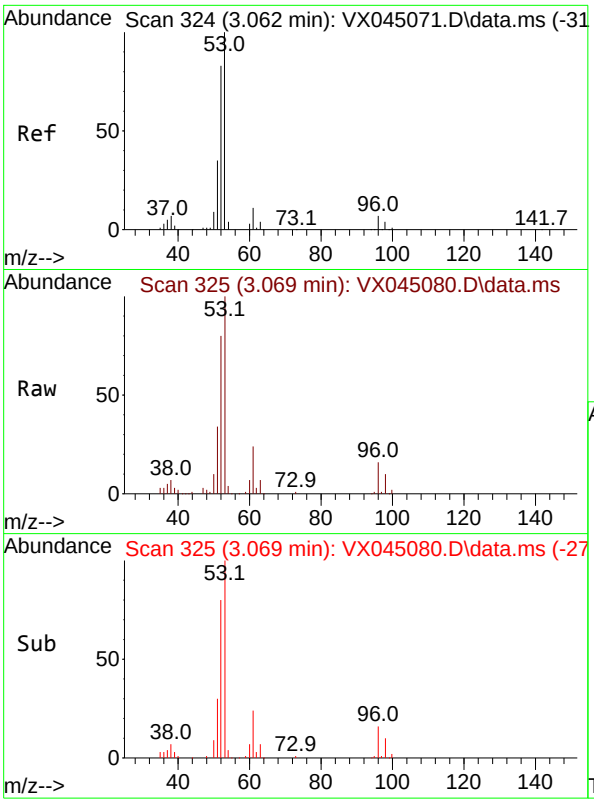


#14
Allyl chloride
Concen: 18.670 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 41 Resp: 44238

Ion	Ratio	Lower	Upper
41	100		
39	68.6	53.8	80.8
76	32.0	25.2	37.8

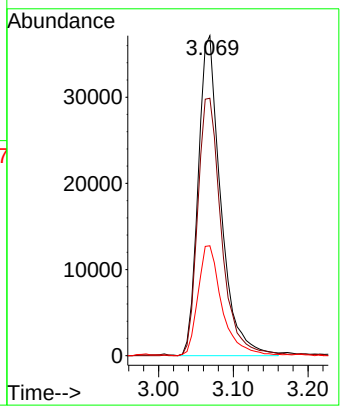




#15
Acrylonitrile
Concen: 89.193 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 53 Resp: 7802

Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.2	99.2
51	36.7	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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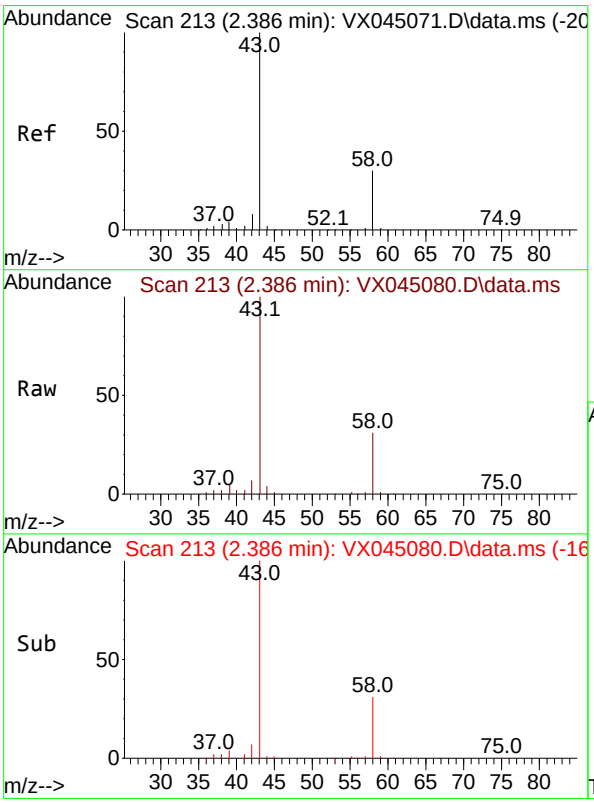
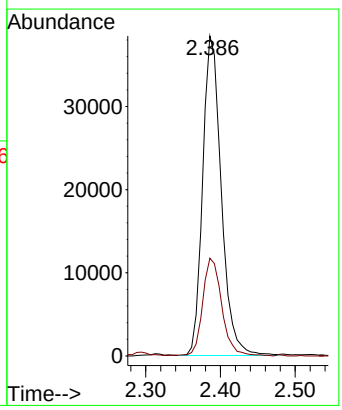
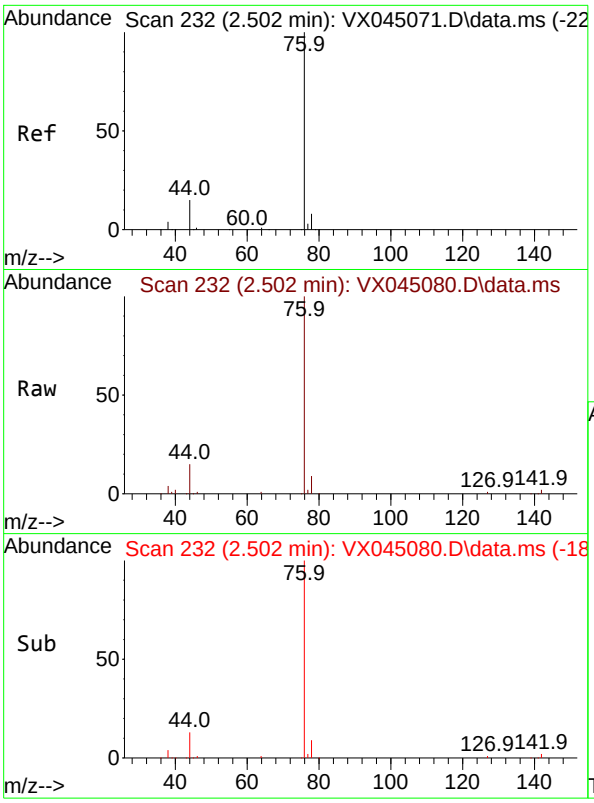


#16
Acetone
Concen: 83.269 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 66572

Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.2	36.4





#17
Carbon Disulfide
Concen: 17.691 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 76 Resp: 6272

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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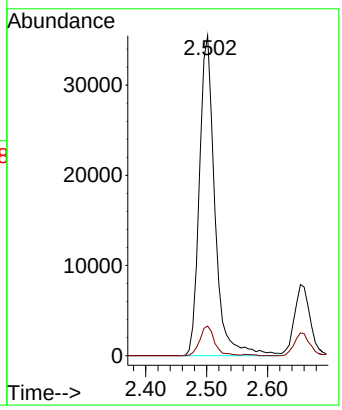
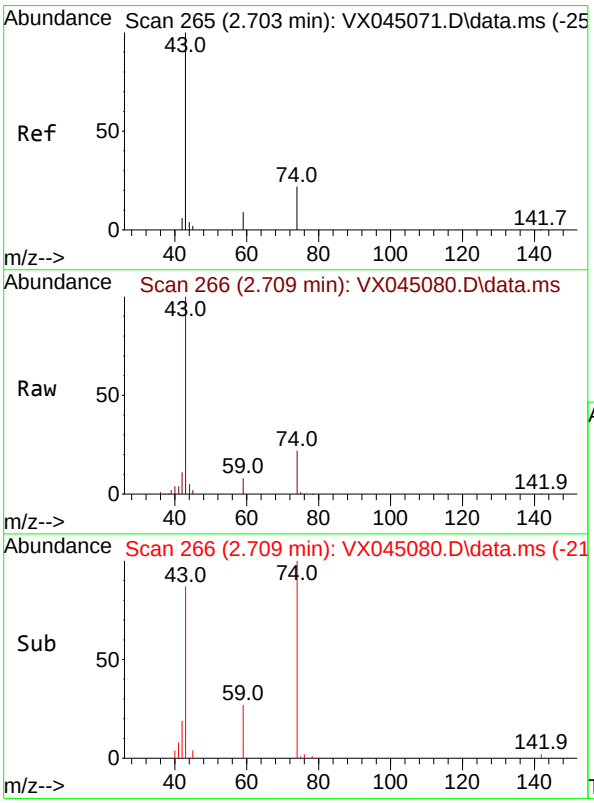
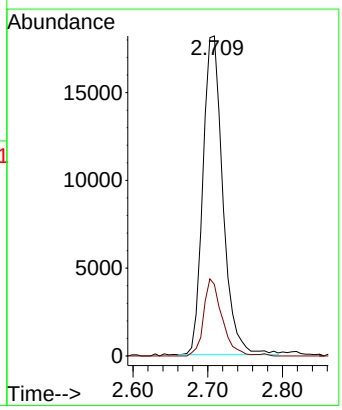


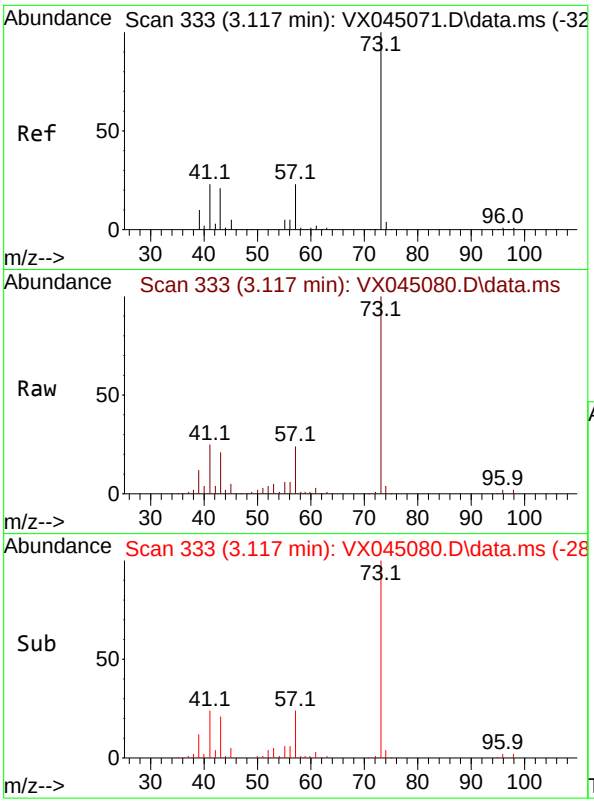


#18
Methyl Acetate
Concen: 17.501 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 33660

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

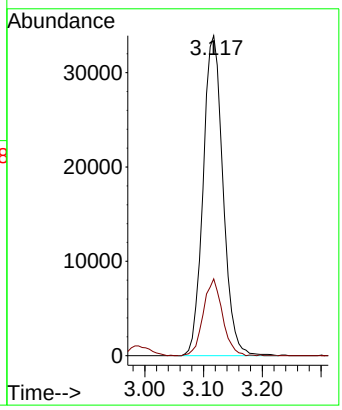




#19
Methyl tert-butyl Ether
Concen: 17.859 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 73 Resp: 7975

Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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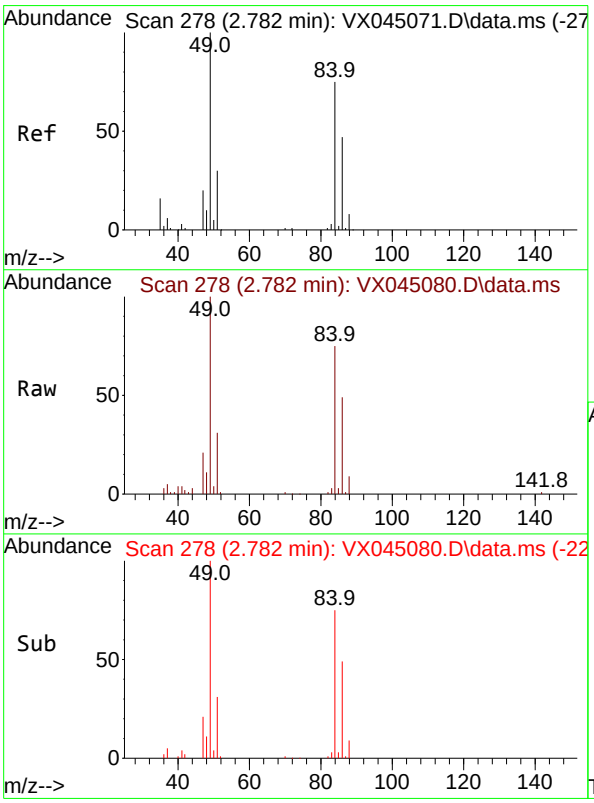
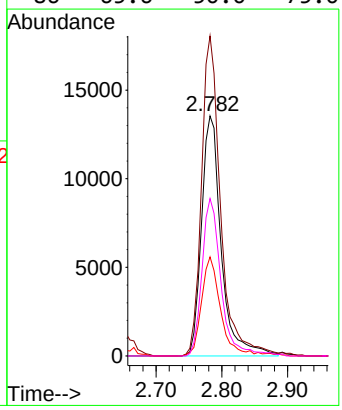
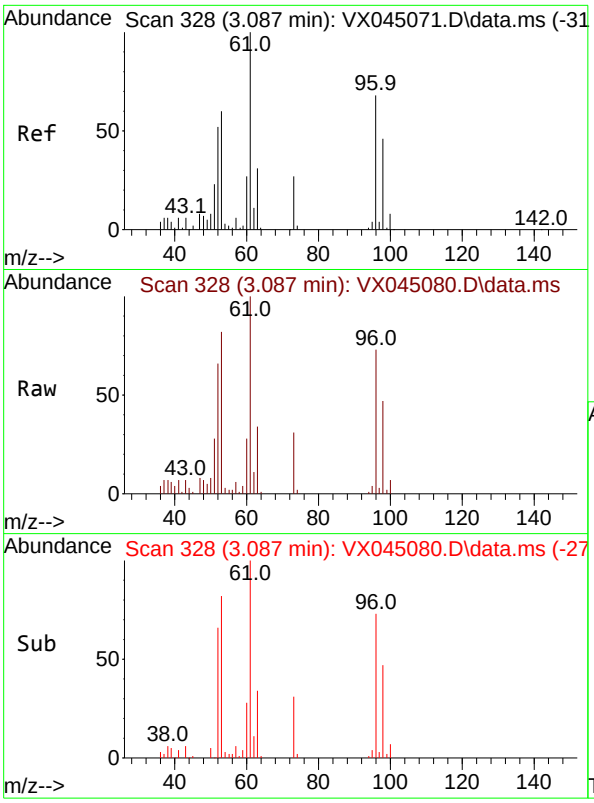


#20
Methylene Chloride
Concen: 17.853 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 84 Resp: 28274

Ion	Ratio	Lower	Upper
84	100		
49	133.4	106.5	159.7
51	41.3	32.1	48.1
86	65.6	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 18.556 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 96 Resp: 2440

Ion	Ratio	Lower	Upper
96	100		
61	137.9	117.0	175.4
98	65.2	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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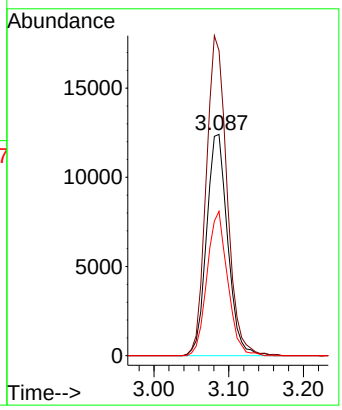
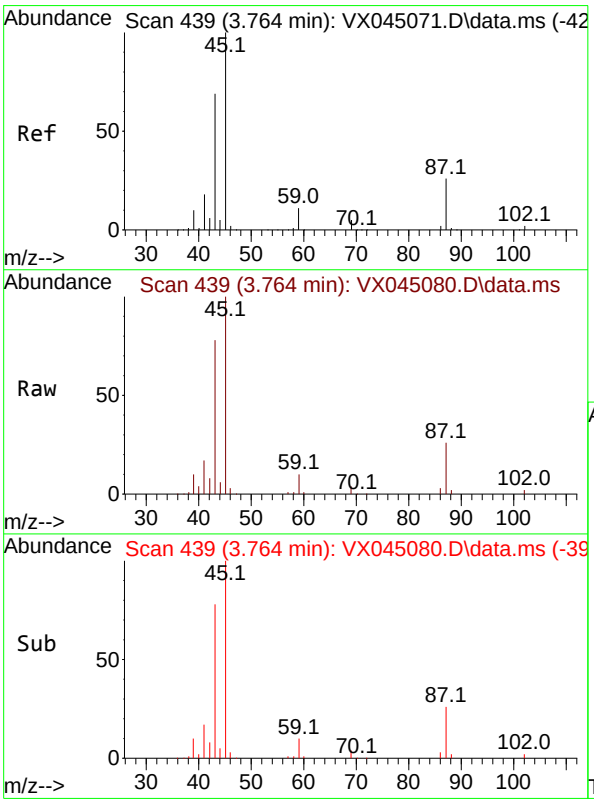
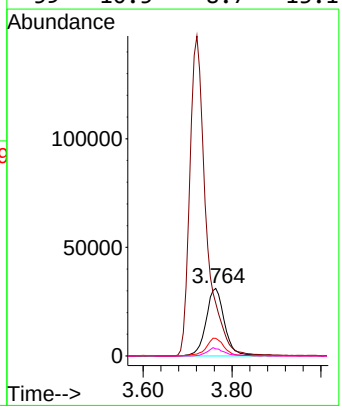


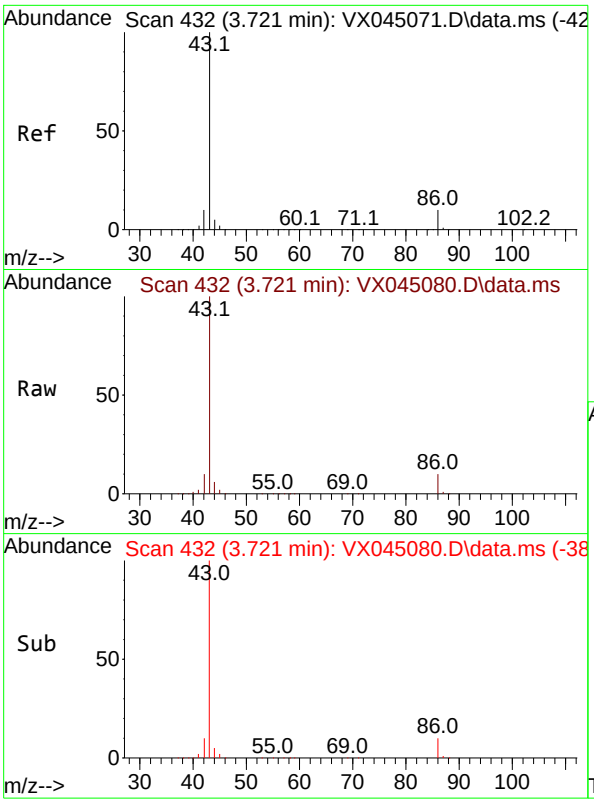


#22
Diisopropyl ether
Concen: 18.596 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 45 Resp: 89611

Ion	Ratio	Lower	Upper
45	100		
43	76.4	54.9	82.3
87	26.0	21.0	31.4
59	10.5	8.7	13.1





#23
Vinyl Acetate
Concen: 93.881 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 37753

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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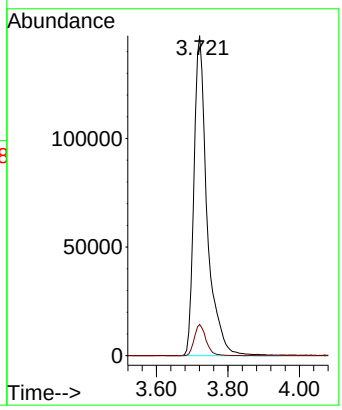
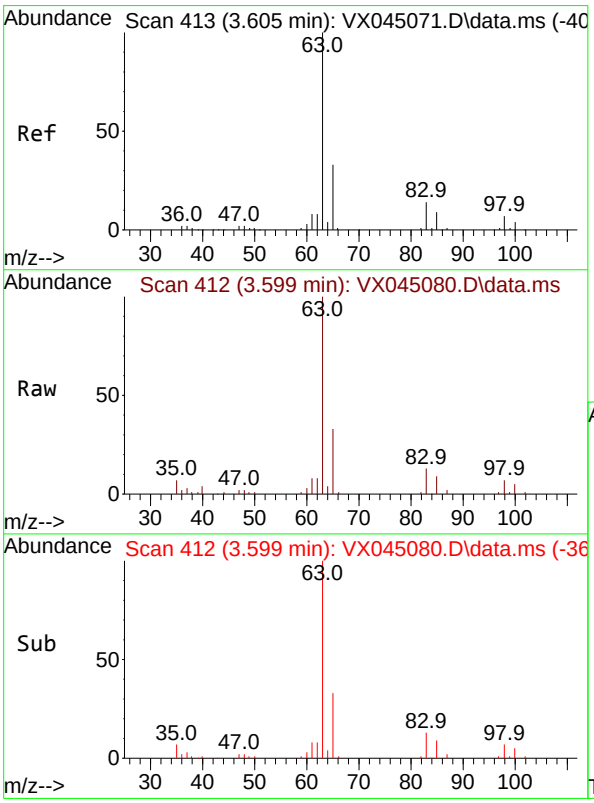
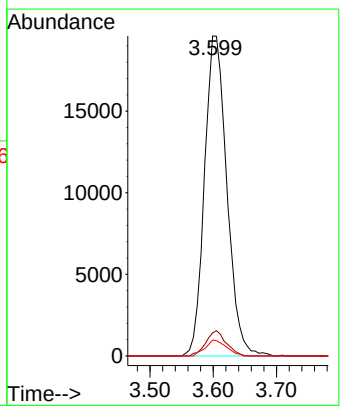


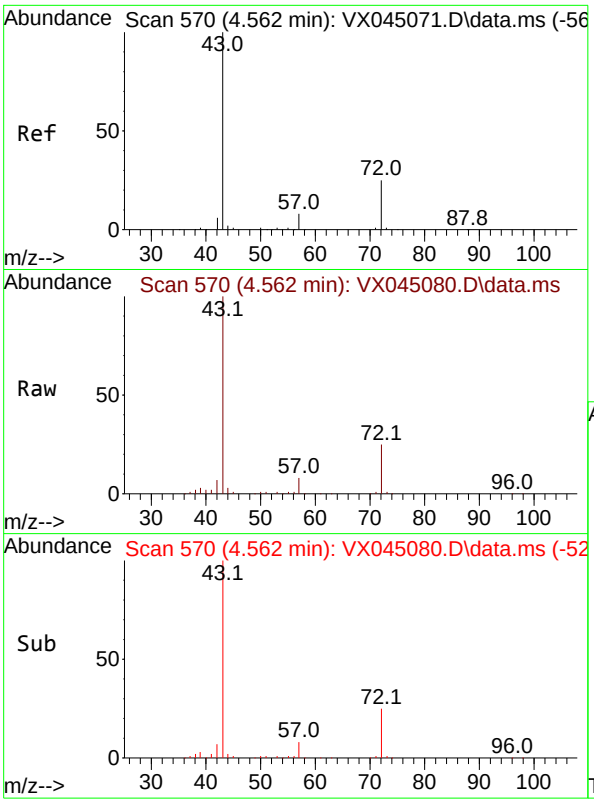


#24
1,1-Dichloroethane
Concen: 17.874 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 63 Resp: 48272

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.2
100	4.9	2.1	6.5





#25
2-Butanone
Concen: 91.613 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 11024

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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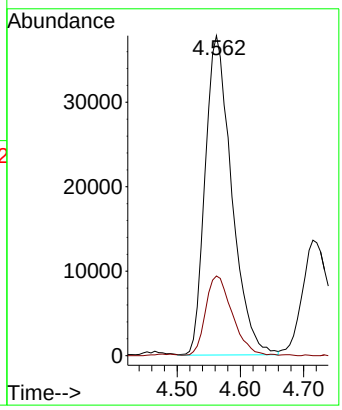
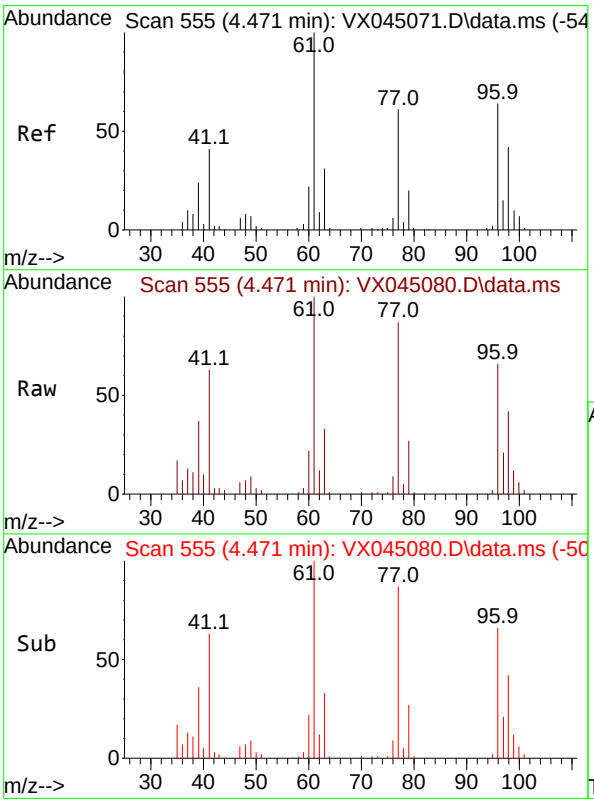
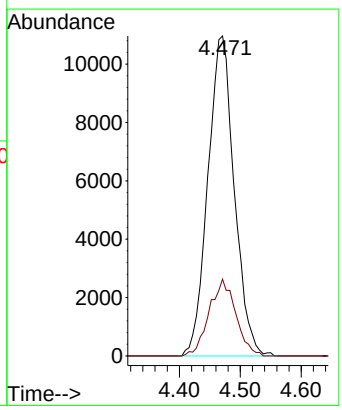


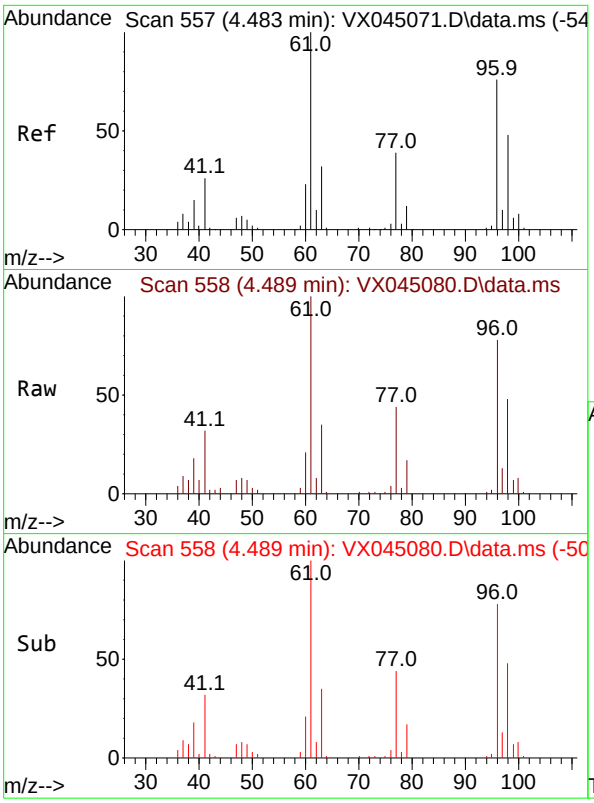


#26
2,2-Dichloropropane
Concen: 26.092 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 77 Resp: 33053

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0

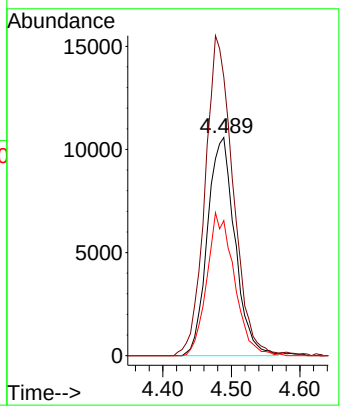




#27
cis-1,2-Dichloroethene
Concen: 18.196 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 96 Resp: 2953

Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	283.2
98	65.1	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
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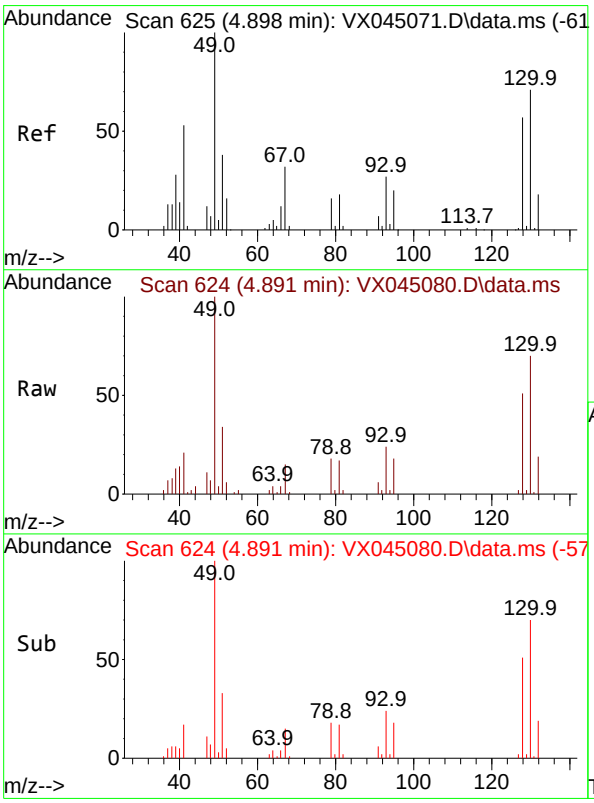
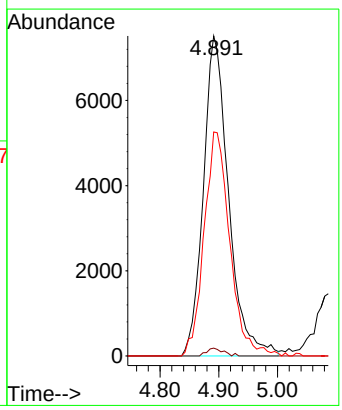
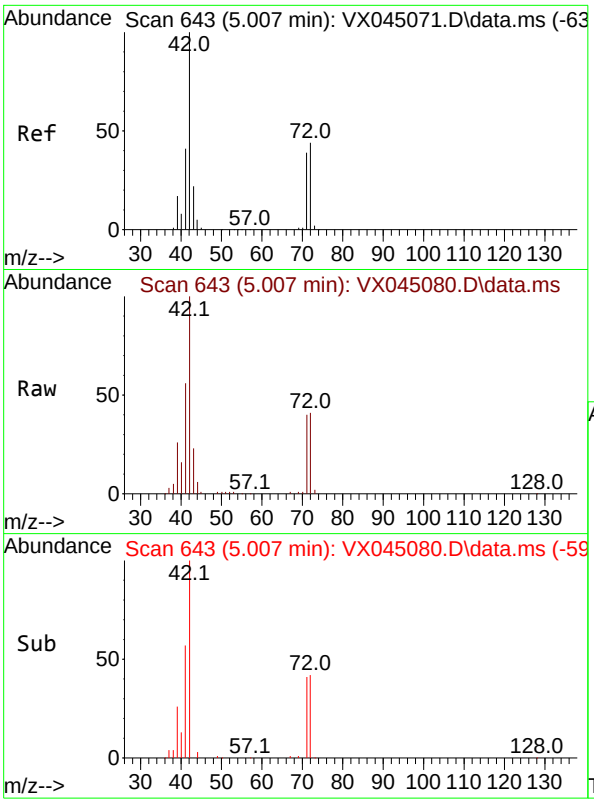


#28
Bromochloromethane
Concen: 17.404 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 49 Resp: 22404

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	71.5	56.1	84.1

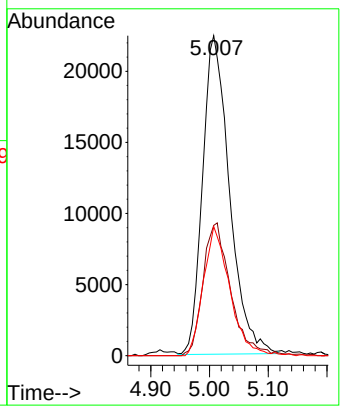




#29
Tetrahydrofuran
Concen: 88.264 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 42 Resp: 7133

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.1	51.1
71	39.9	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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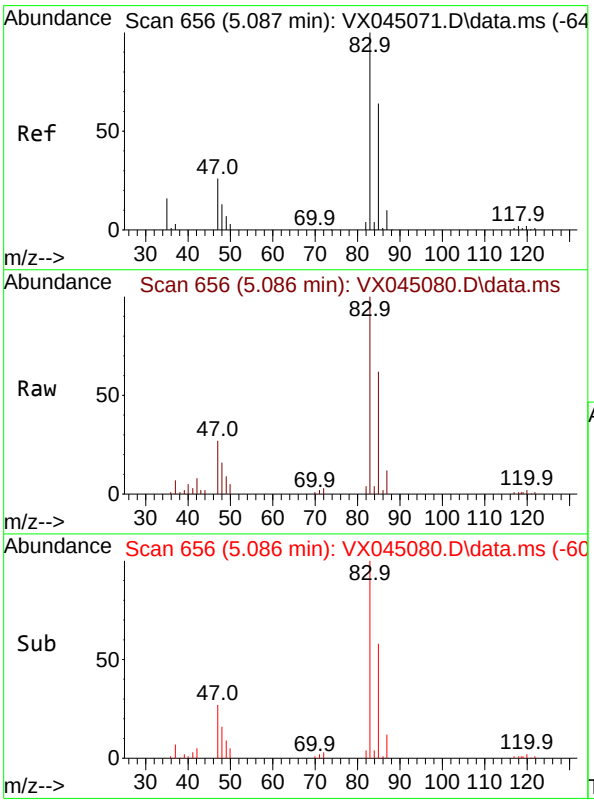
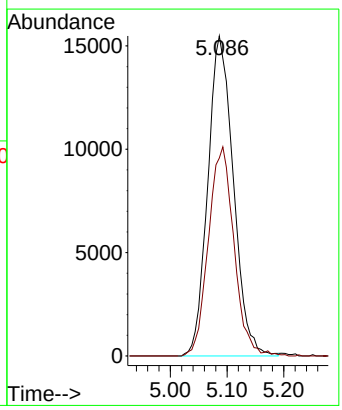
Supervised By :Mahesh Dadoda 03/03/2025

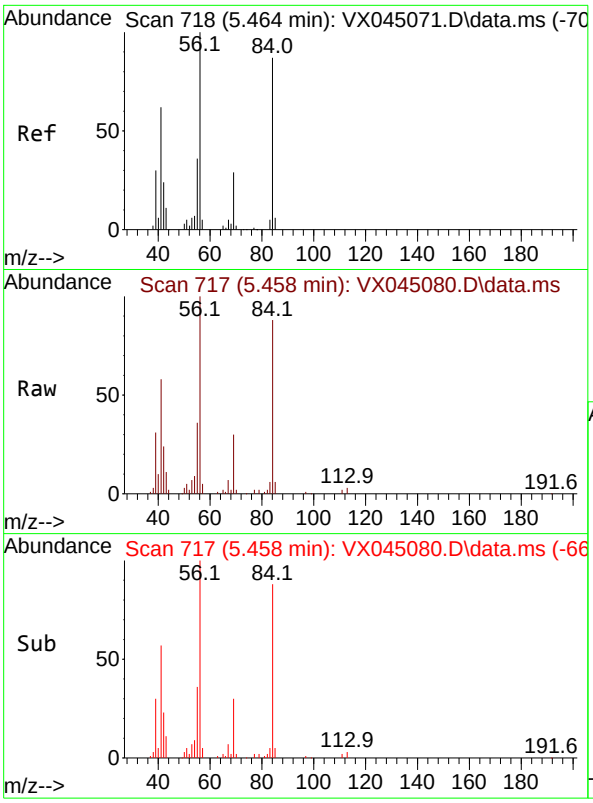


#30
Chloroform
Concen: 18.082 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 83 Resp: 48521

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.4	77.2

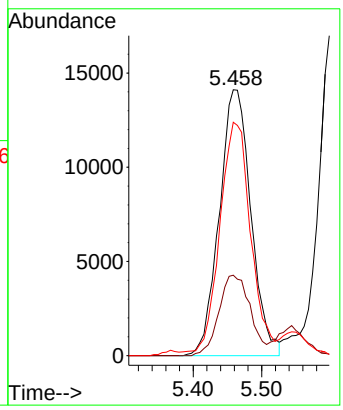




#31
Cyclohexane
Concen: 19.324 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 56 Resp: 4530

Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.4	35.2
84	86.4	69.4	104.2



Instrument :
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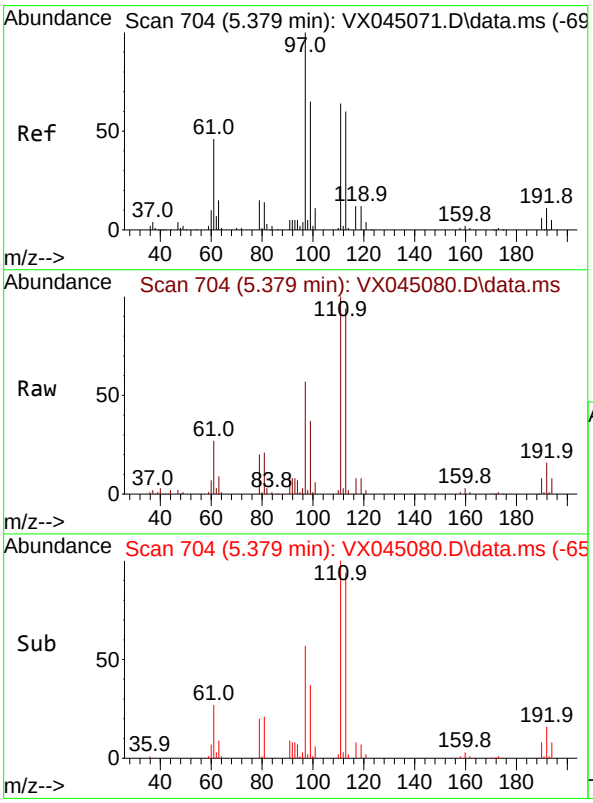
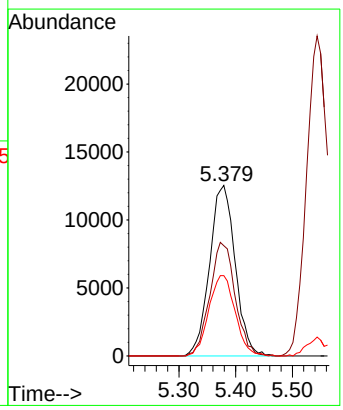
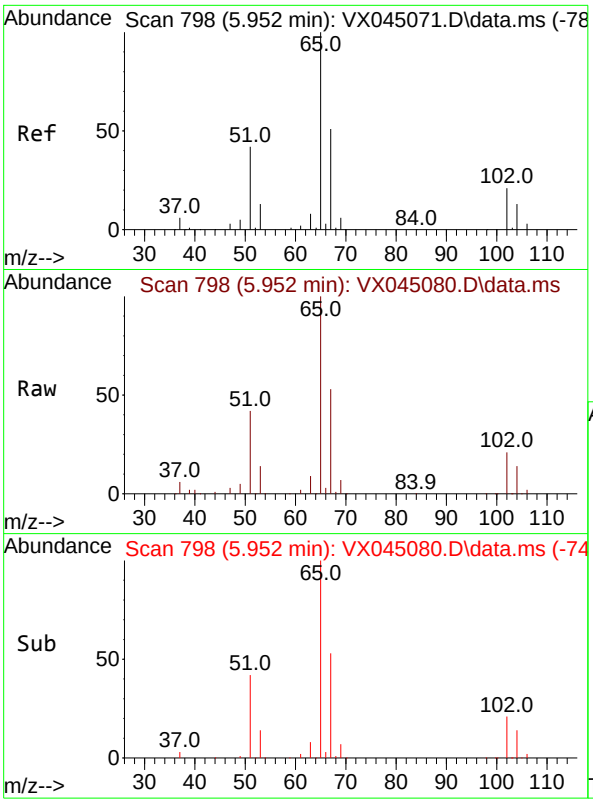


#32
1,1,1-Trichloroethane
Concen: 18.150 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 97 Resp: 39336

Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.6	77.4
61	48.4	38.4	57.6

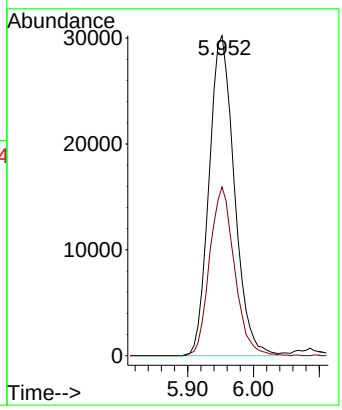




#33
1,2-Dichloroethane-d4
Concen: 46.938 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 65 Resp: 8088

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2



Instrument :
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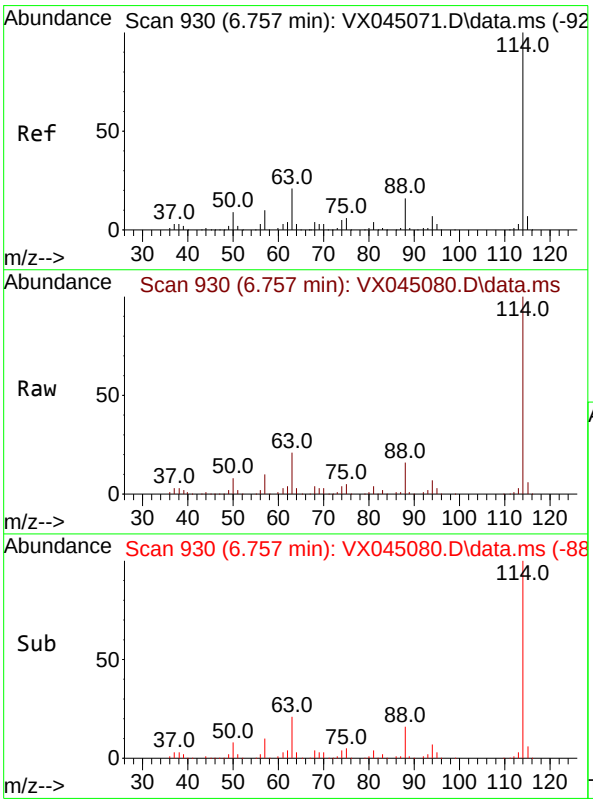
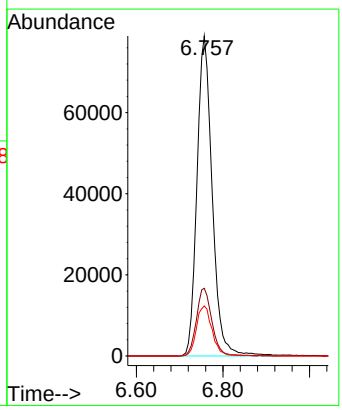
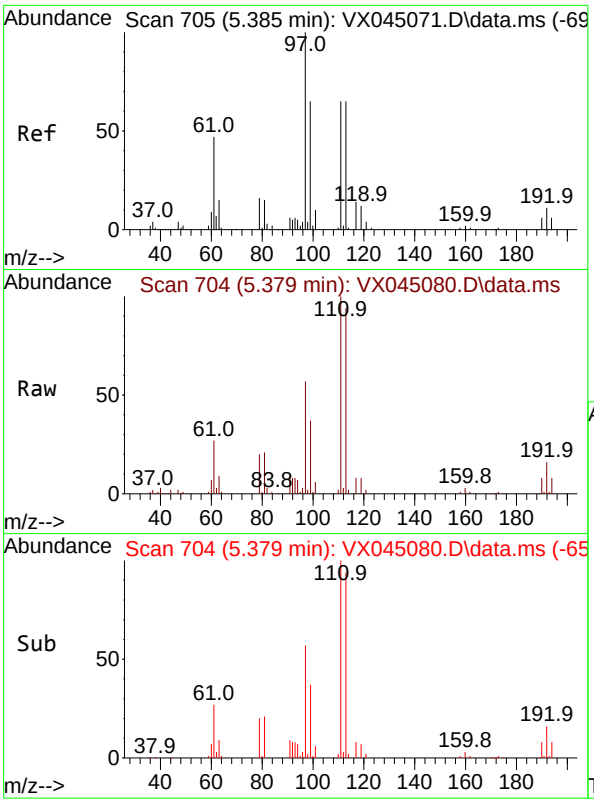


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:114 Resp: 192724

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.8
88	15.6	0.0	32.8

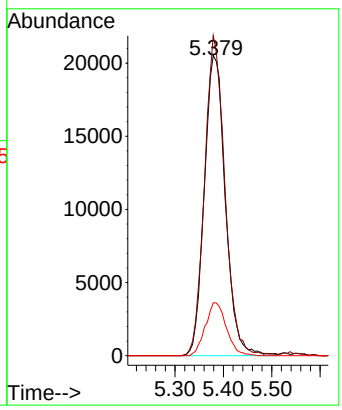




#35
Dibromofluoromethane
Concen: 48.207 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:113 Resp: 6212

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	17.6	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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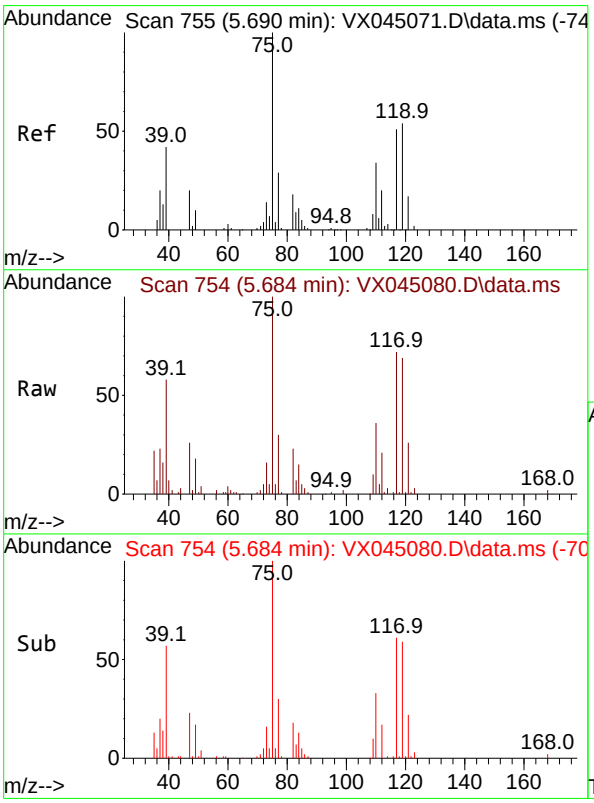
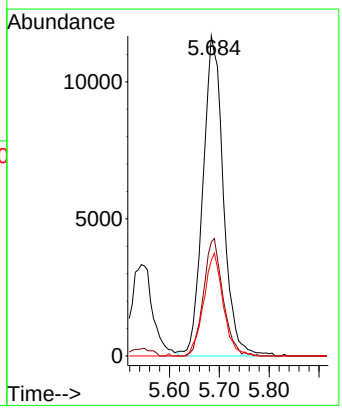
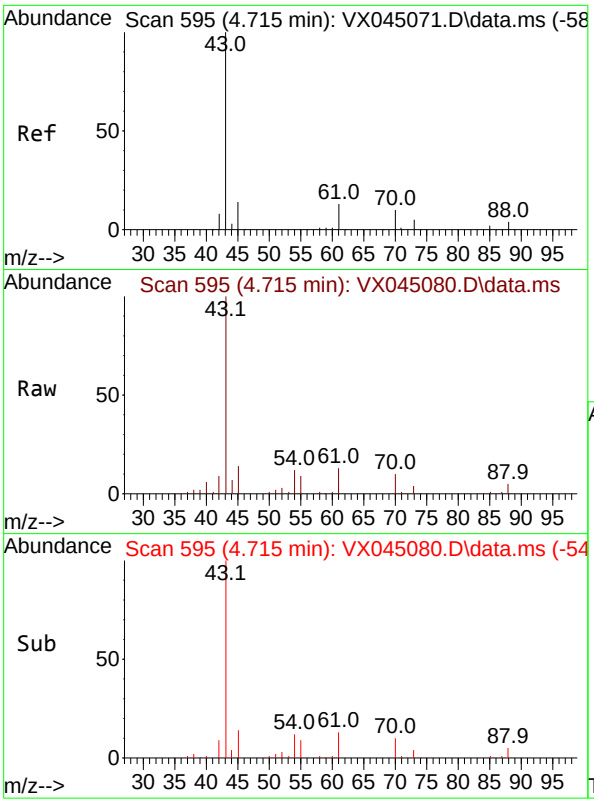


#36
1,1-Dichloropropene
Concen: 18.803 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 33230

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.6
77	30.6	24.5	36.7

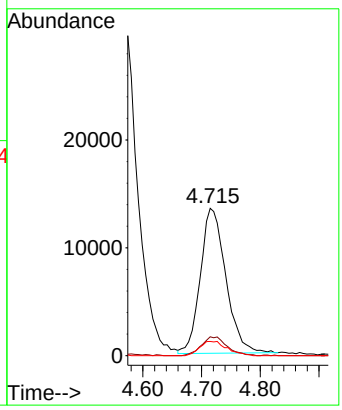




#37
Ethyl Acetate
Concen: 17.811 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 4056

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	10.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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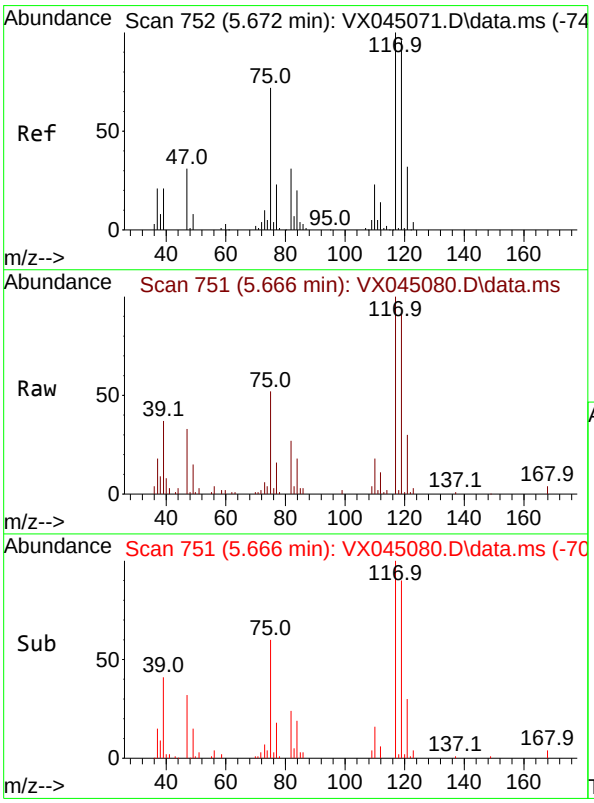
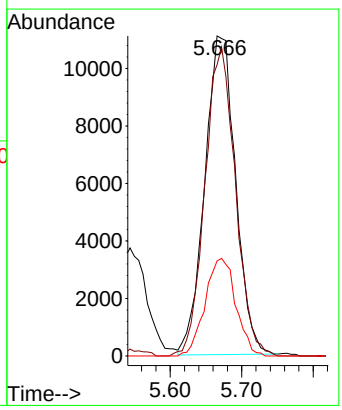
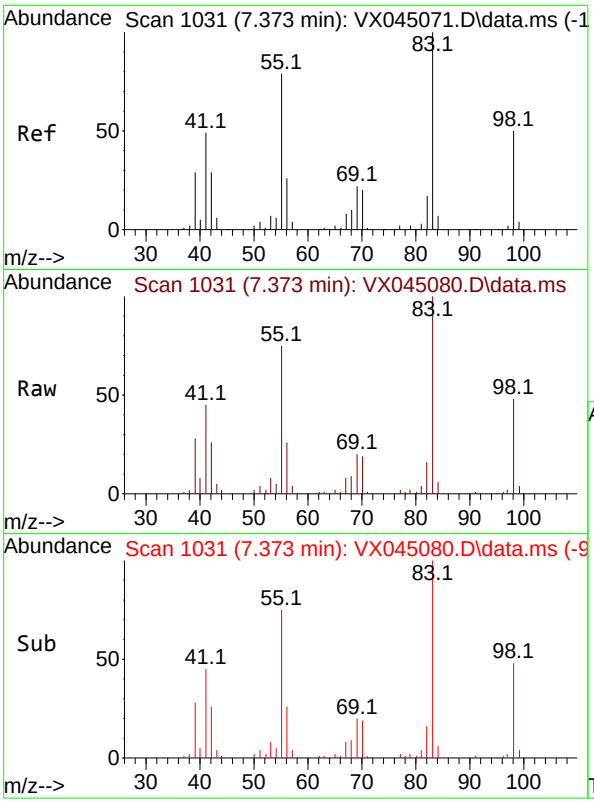


#38
Carbon Tetrachloride
Concen: 18.548 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:117 Resp: 33280

Ion	Ratio	Lower	Upper
117	100		
119	91.5	76.7	115.1
121	29.9	25.5	38.3

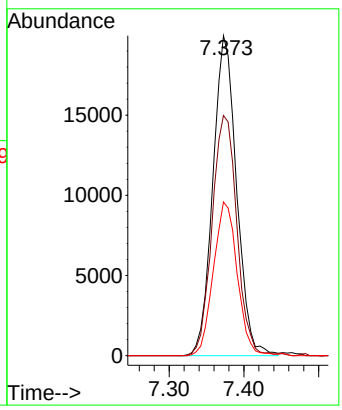




#39
Methylcyclohexane
Concen: 20.816 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 83 Resp: 4408

Ion	Ratio	Lower	Upper
83	100		
55	75.1	63.0	94.4
98	48.1	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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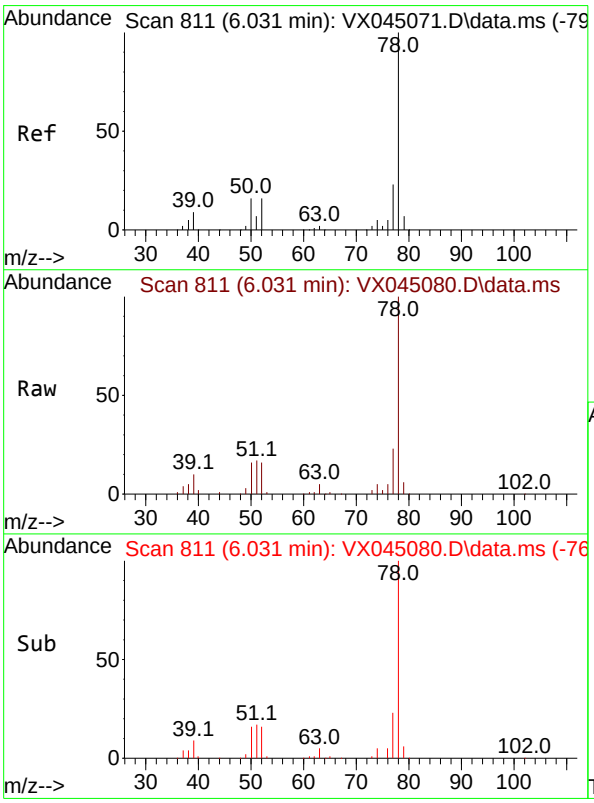
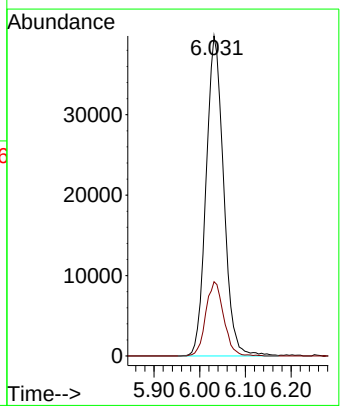
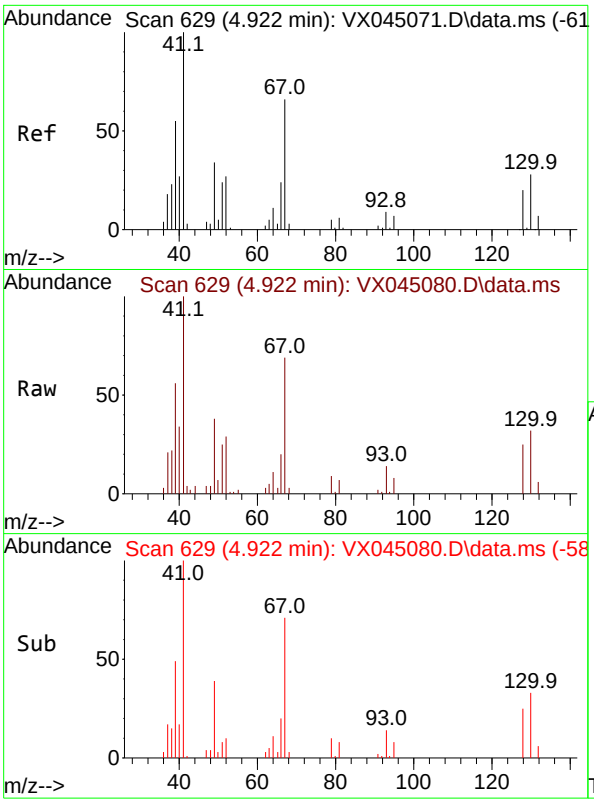


#40
Benzene
Concen: 19.035 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 78 Resp: 106228

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2

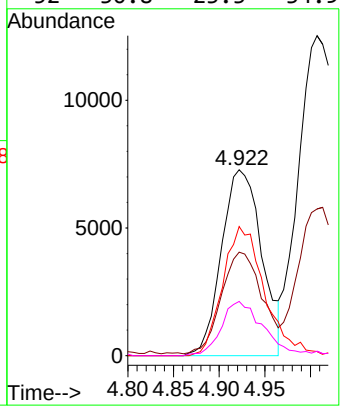




#41
Methacrylonitrile
Concen: 18.159 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 41 Resp: 2236

Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.6	67.0
67	71.9	53.9	80.9
52	30.8	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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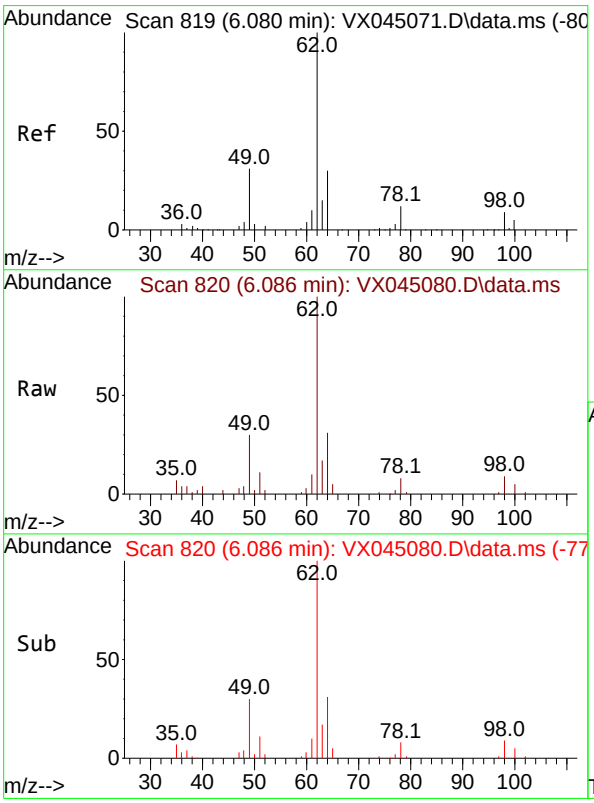
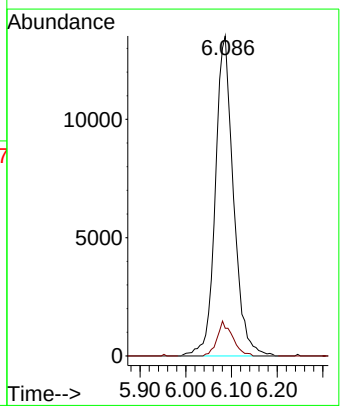
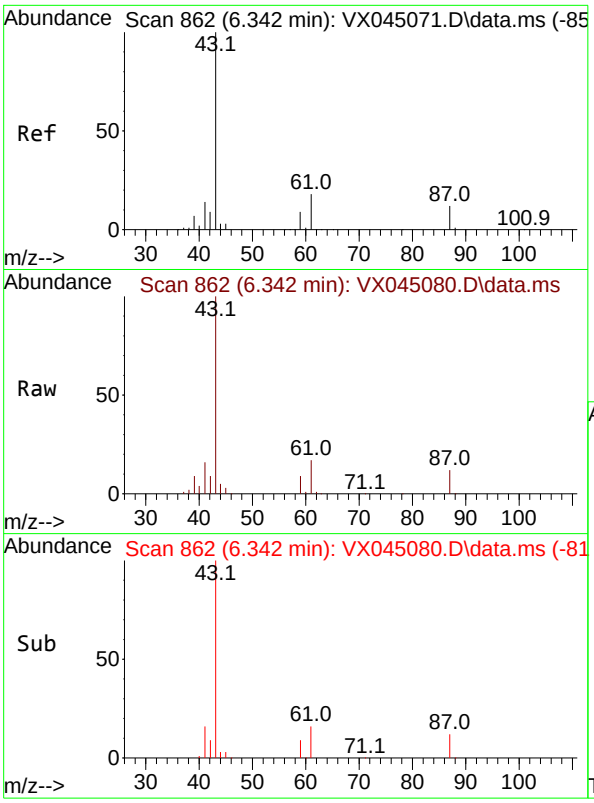


#42
1,2-Dichloroethane
Concen: 18.559 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 62 Resp: 37297

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

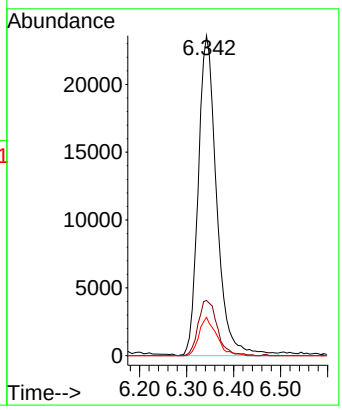




#43
Isopropyl Acetate
Concen: 19.076 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 6423

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.9	22.3
87	11.4	9.4	14.2



Instrument :
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ClientSampleId :
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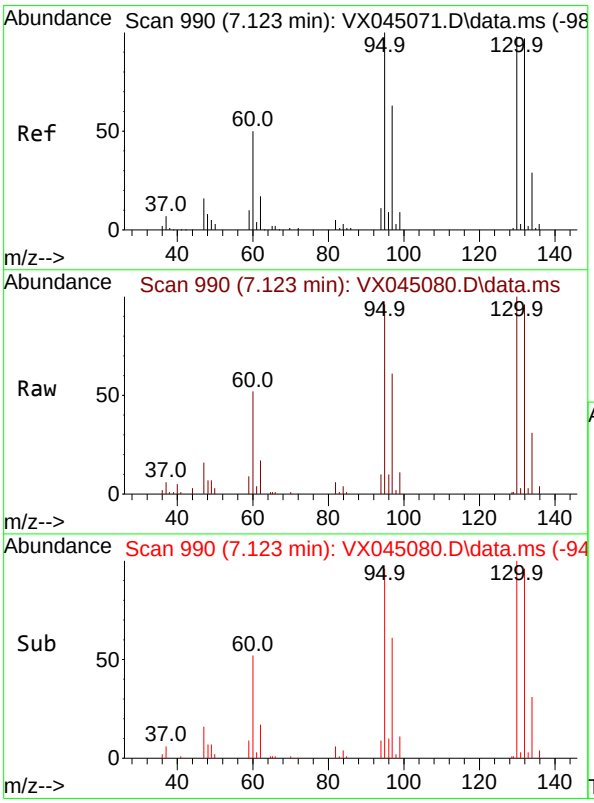
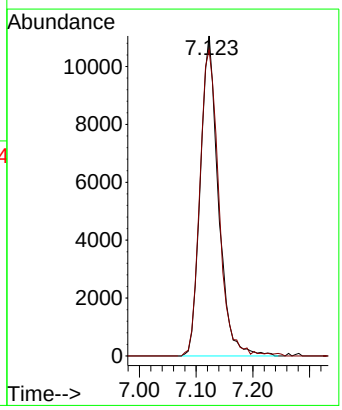
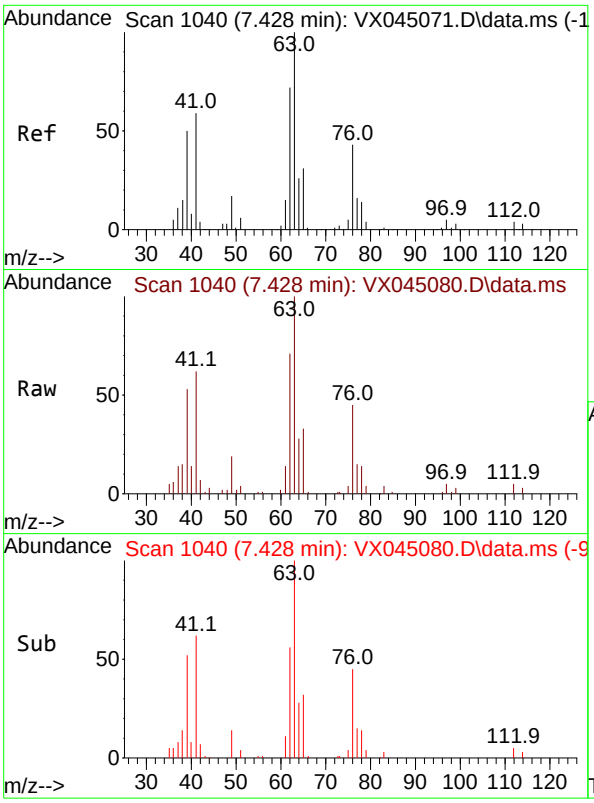


#44
Trichloroethene
Concen: 18.612 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:130 Resp: 24390

Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	205.0

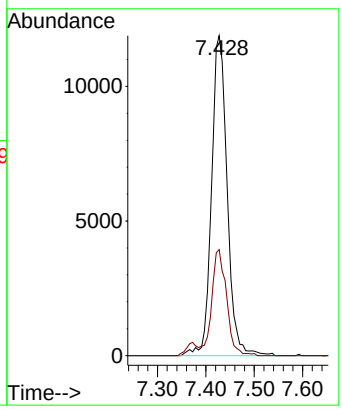




#45
1,2-Dichloropropane
Concen: 18.614 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 63 Resp: 2670

Ion	Ratio	Lower	Upper
63	100		
65	33.2	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
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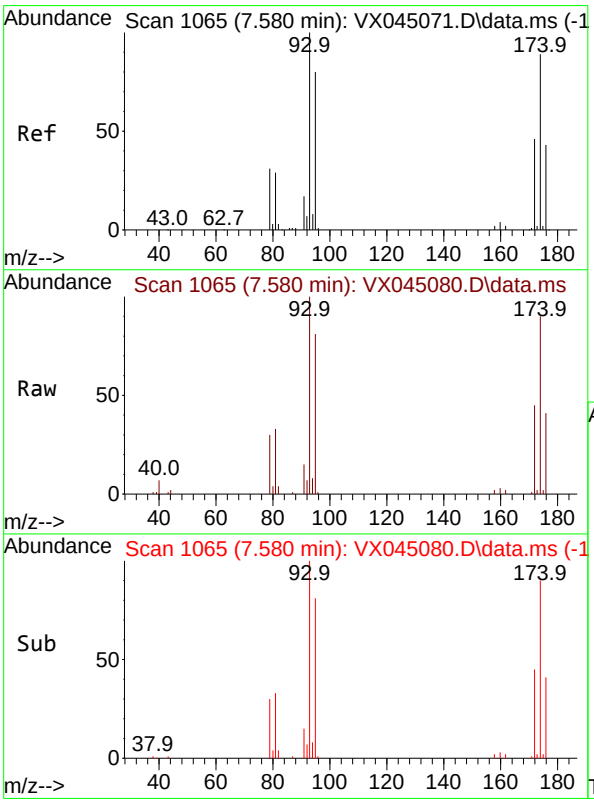
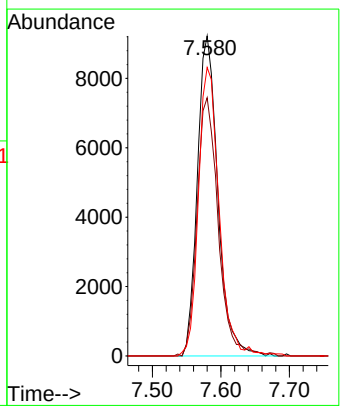
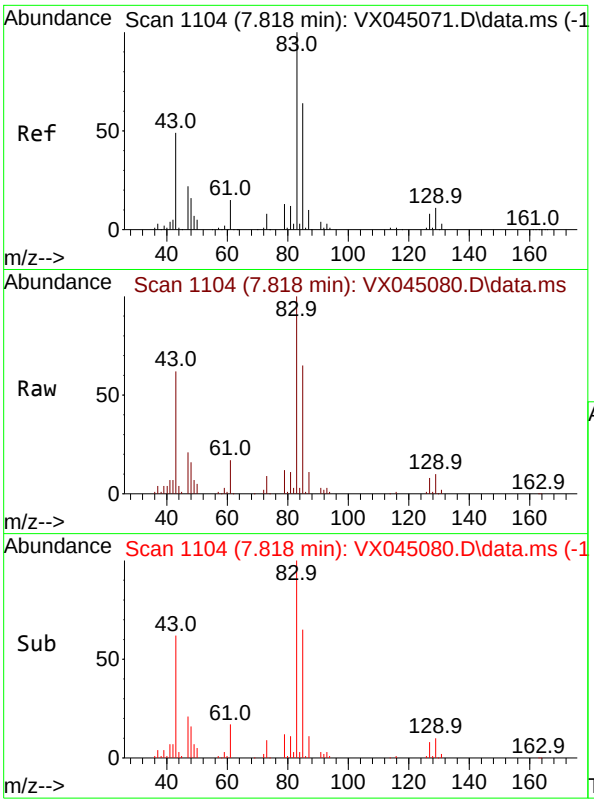


#46
Dibromomethane
Concen: 18.949 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 93 Resp: 19218

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.8	98.8
174	91.1	72.2	108.2

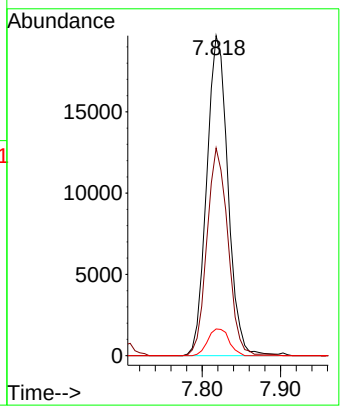




#47
Bromodichloromethane
Concen: 18.624 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 83 Resp: 3704

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	8.4	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
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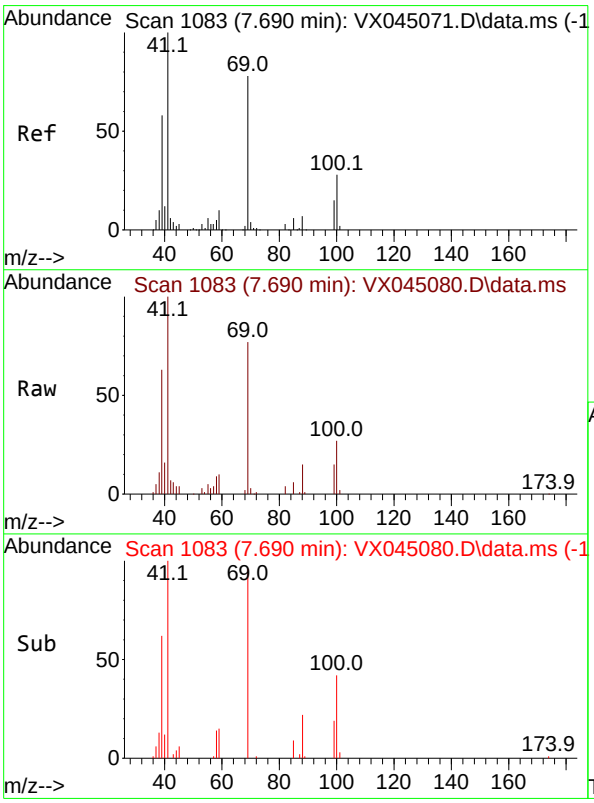
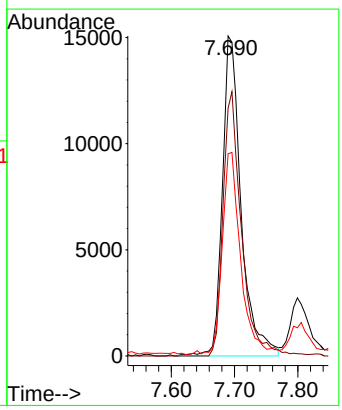
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

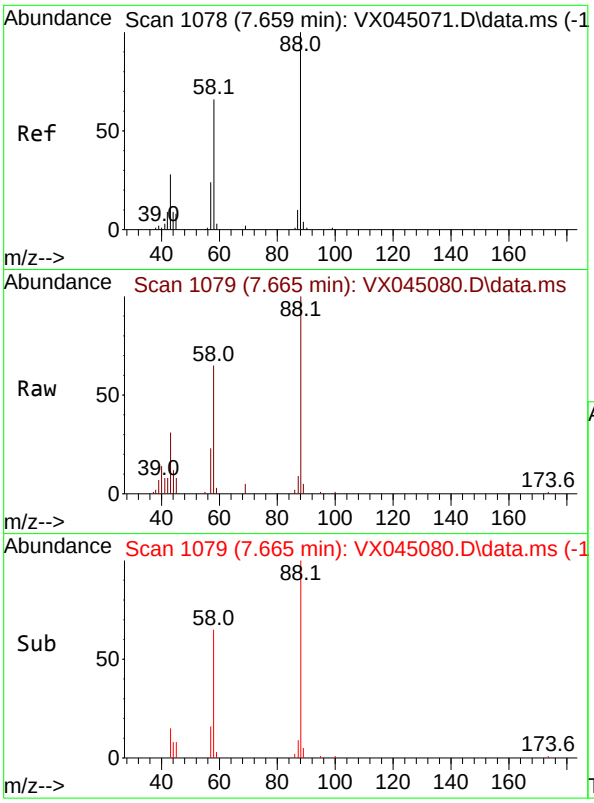


#48
Methyl methacrylate
Concen: 18.322 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 41 Resp: 30953

Ion	Ratio	Lower	Upper
41	100		
69	81.4	63.0	94.6
39	61.0	47.5	71.3





#49
1,4-Dioxane
Concen: 369.225 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 88 Resp: 1315

Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.7	43.1
58	72.5	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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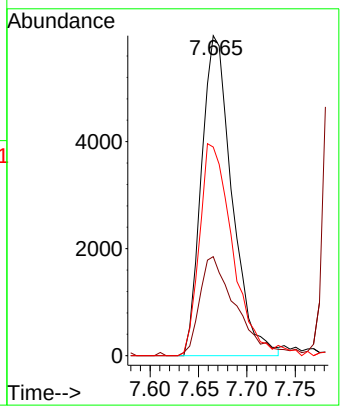
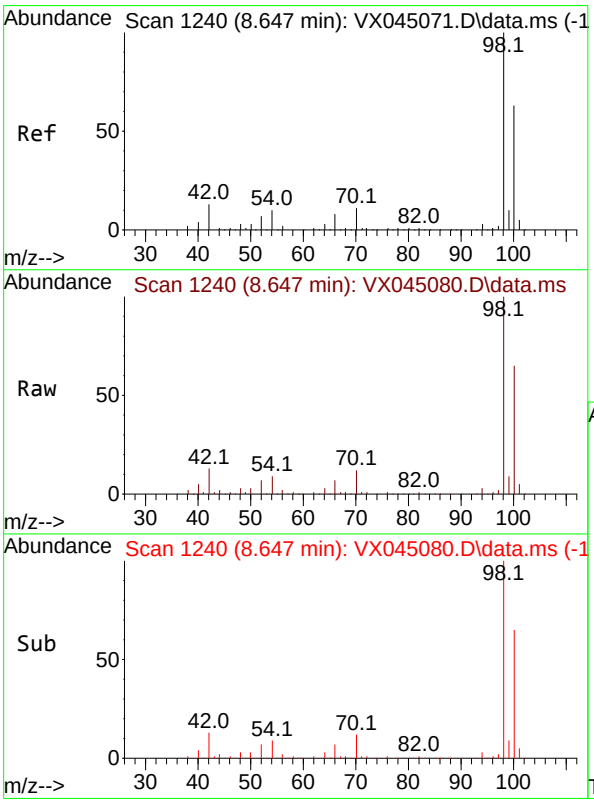
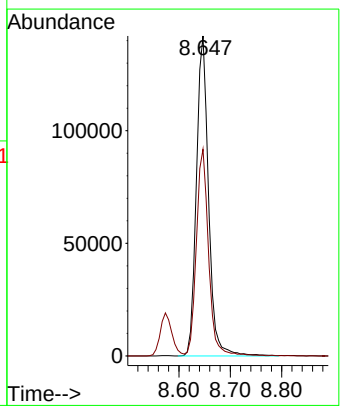


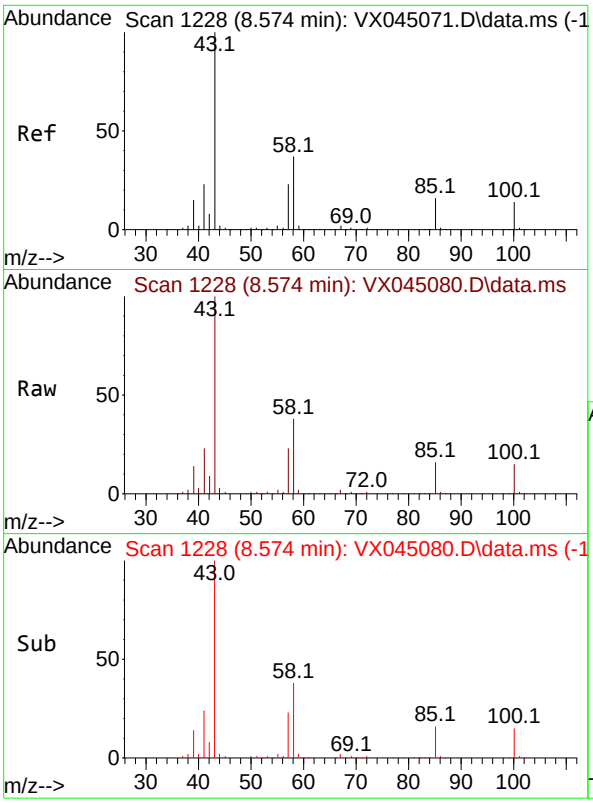


#50
Toluene-d8
Concen: 50.059 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 98 Resp: 233874

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

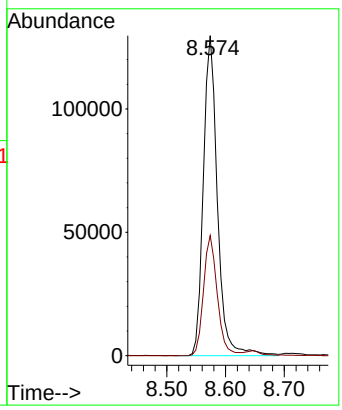




#51
4-Methyl-2-Pentanone
Concen: 95.598 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 21615

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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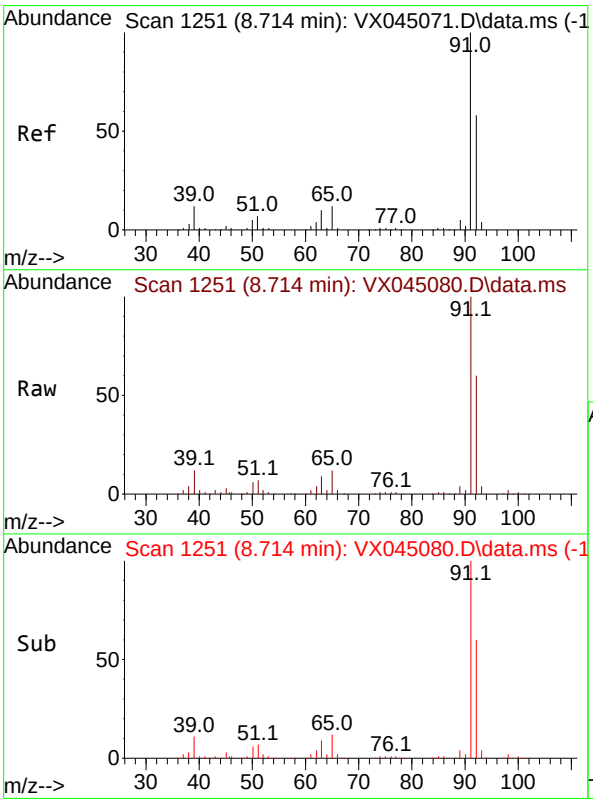
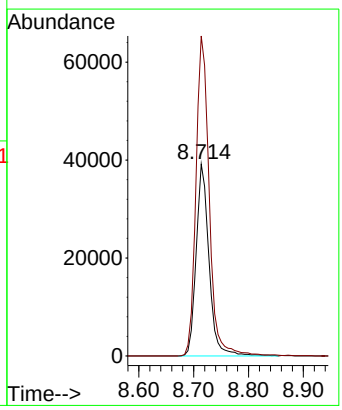
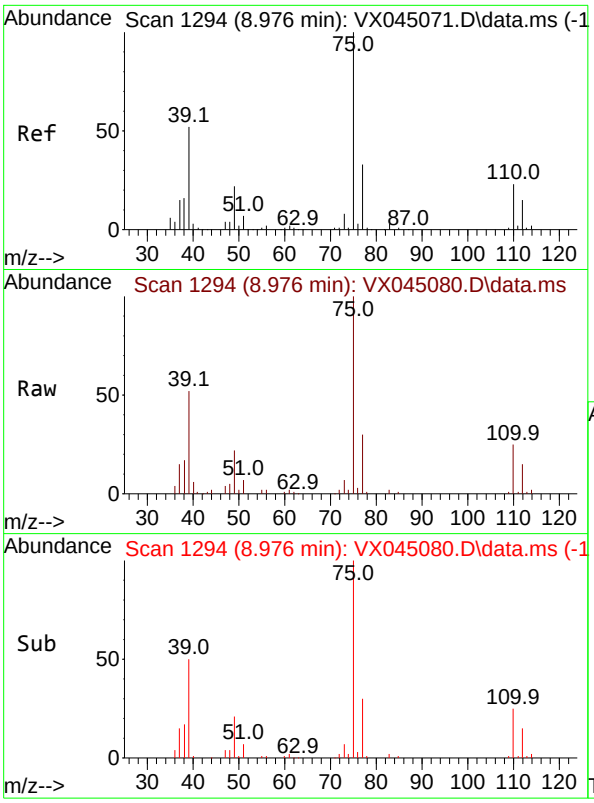


#52
Toluene
Concen: 19.628 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 92 Resp: 64270

Ion	Ratio	Lower	Upper
92	100		
91	171.4	138.9	208.3

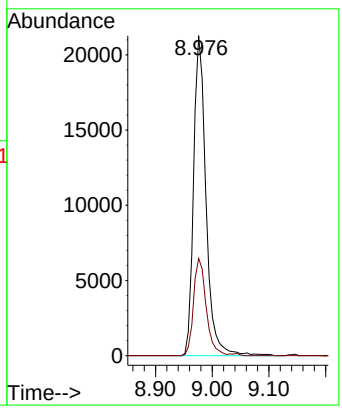




#53
t-1,3-Dichloropropene
Concen: 19.479 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 3239

Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.5	39.7



Instrument :
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ClientSampleId :
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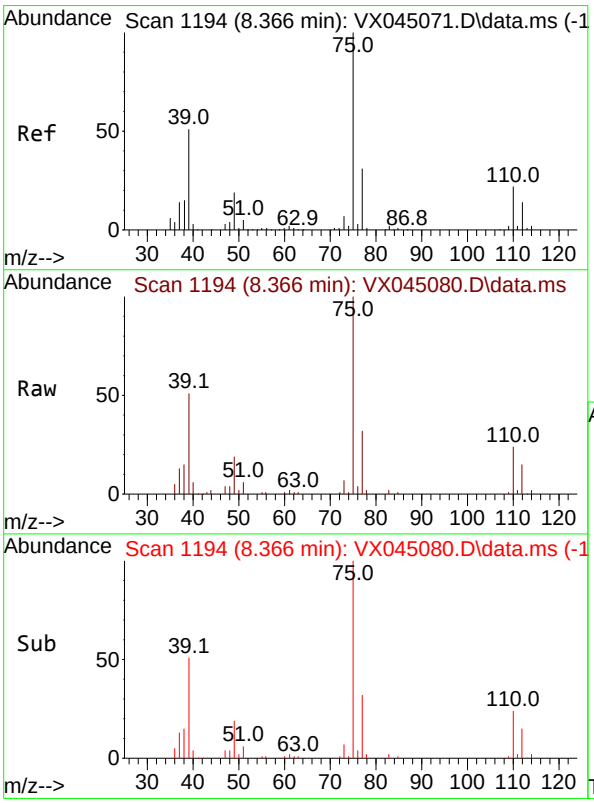
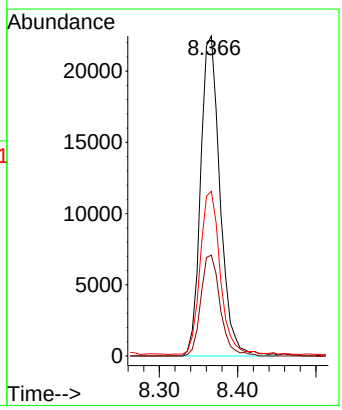
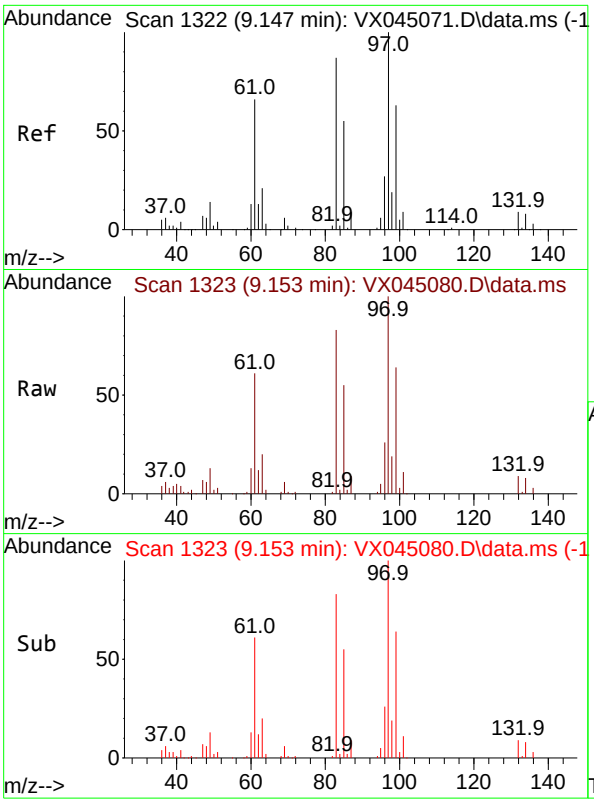


#54
cis-1,3-Dichloropropene
Concen: 19.970 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 38727

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.7	37.1
39	50.9	40.7	61.1

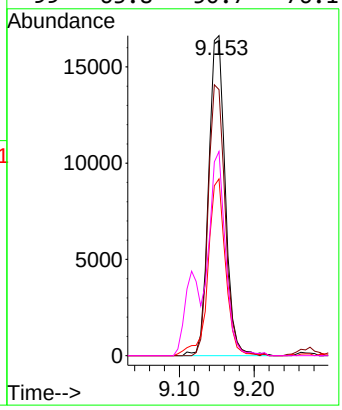




#55
1,1,2-Trichloroethane
Concen: 19.074 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 97 Resp: 2571

Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.4	104.2
85	55.2	44.1	66.1
99	63.8	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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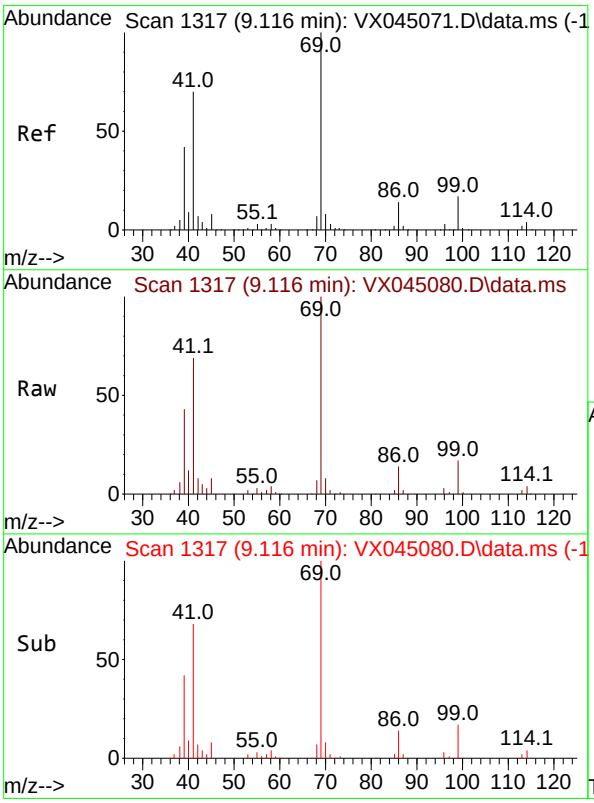
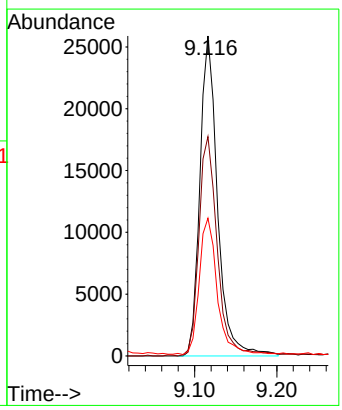
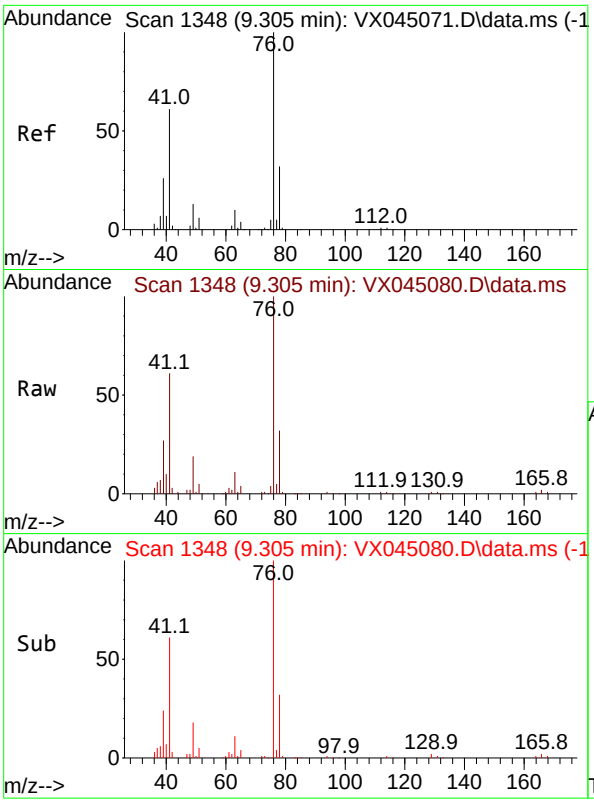


#56
Ethyl methacrylate
Concen: 18.857 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 69 Resp: 38638

Ion	Ratio	Lower	Upper
69	100		
41	72.4	57.0	85.4
39	43.0	34.2	51.4





#57
1,3-Dichloropropane
Concen: 18.881 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 76 Resp: 4404

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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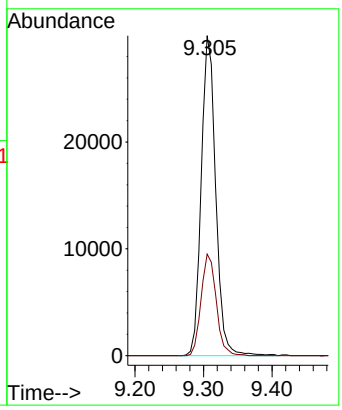
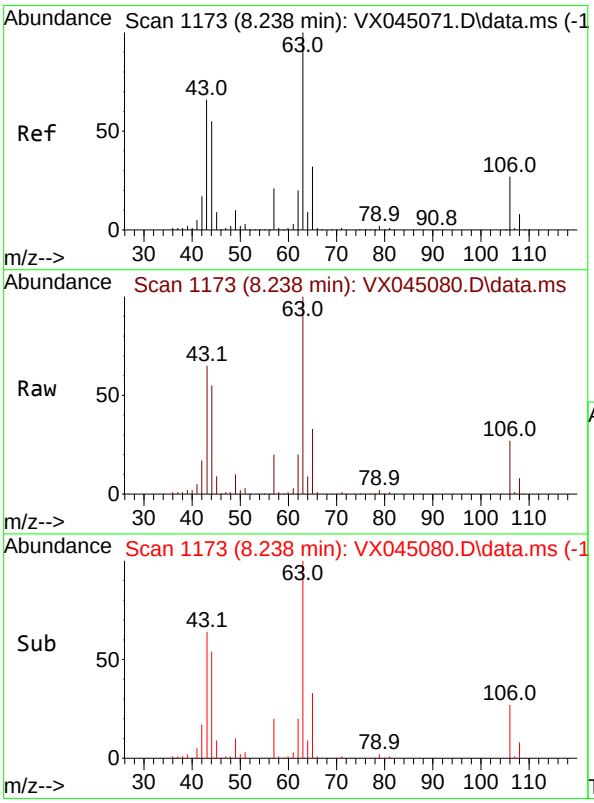
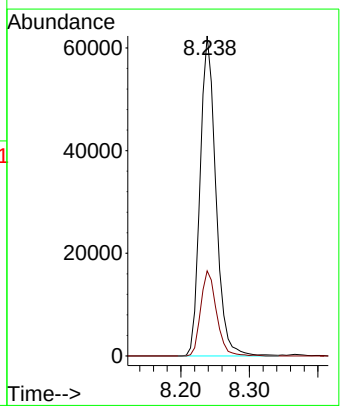


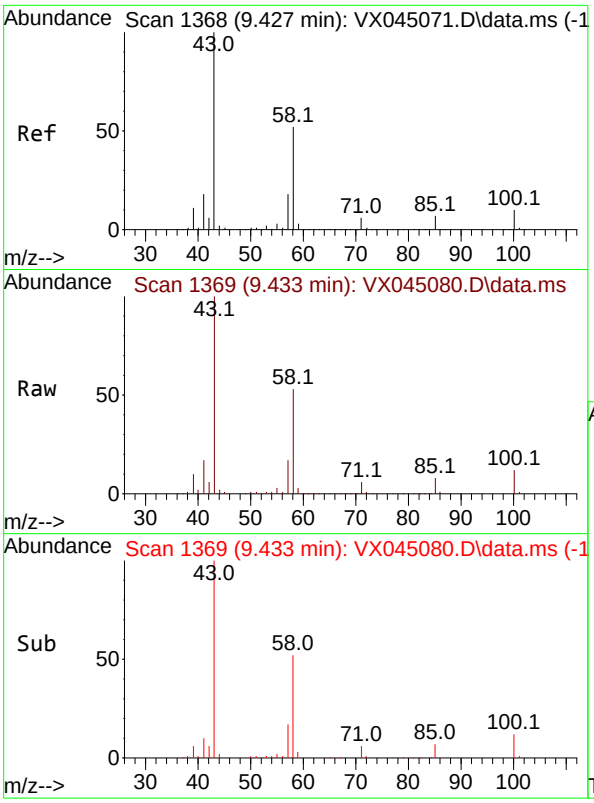


#58
2-Chloroethyl Vinyl ether
Concen: 100.039 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 63 Resp: 99991

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3

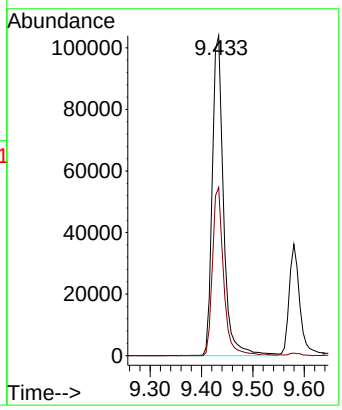




#59
2-Hexanone
Concen: 96.991 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 15889

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
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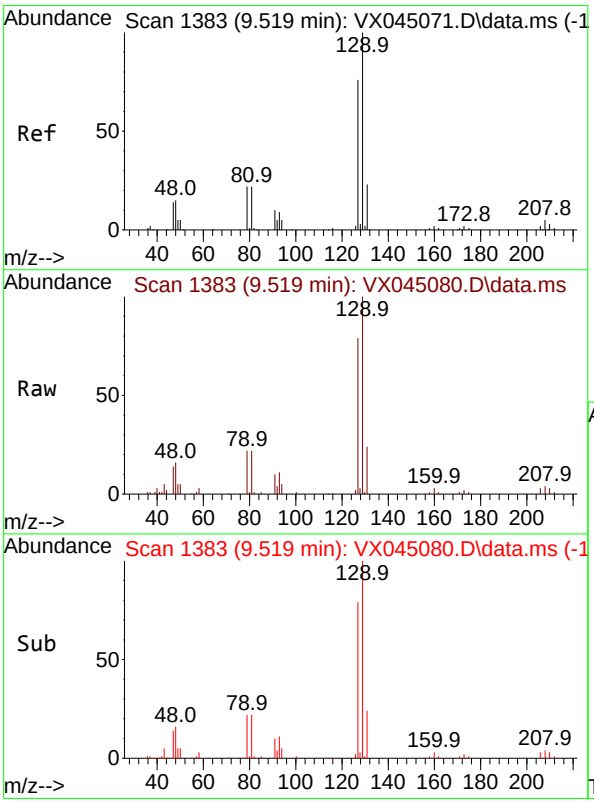
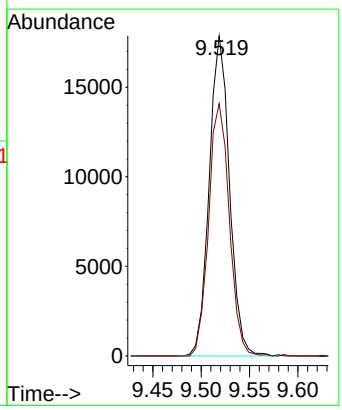
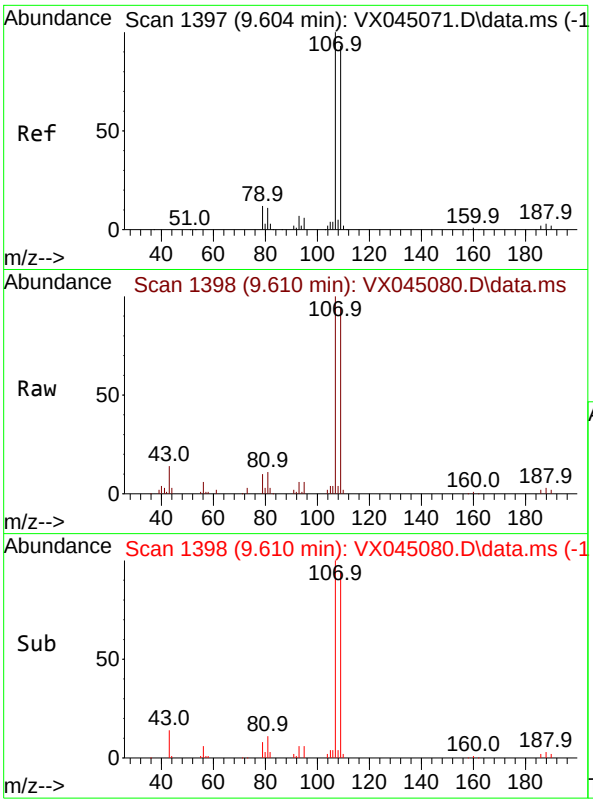


#60
Dibromochloromethane
Concen: 18.475 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:129 Resp: 26039

Ion	Ratio	Lower	Upper
129	100		
127	80.3	38.5	115.5

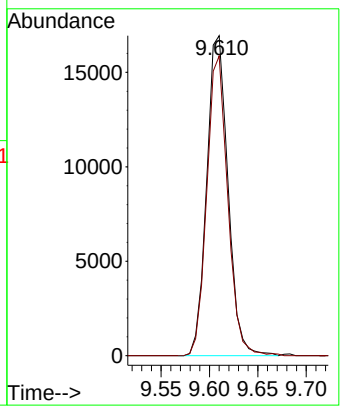




#61
1,2-Dibromoethane
Concen: 19.303 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:107 Resp: 2597

Ion	Ratio	Lower	Upper
107	100		
109	92.2	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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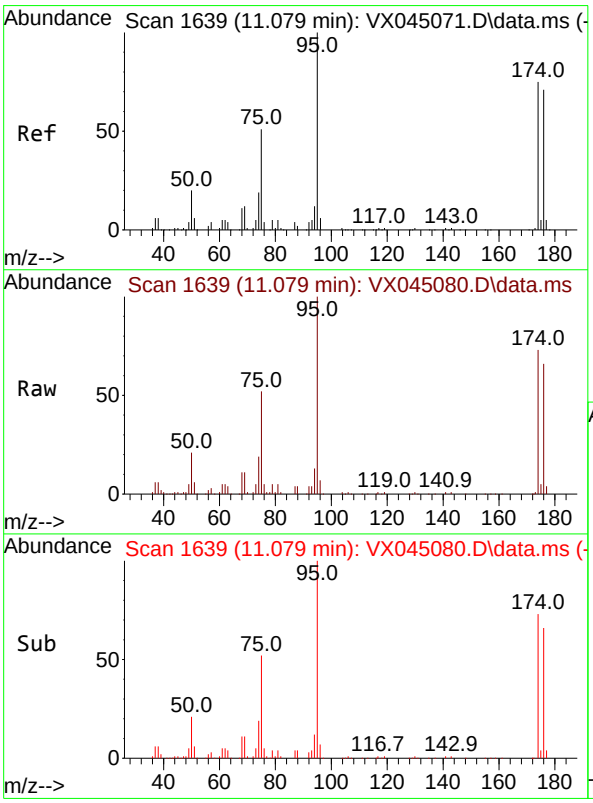
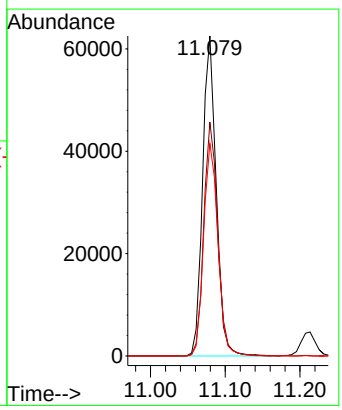
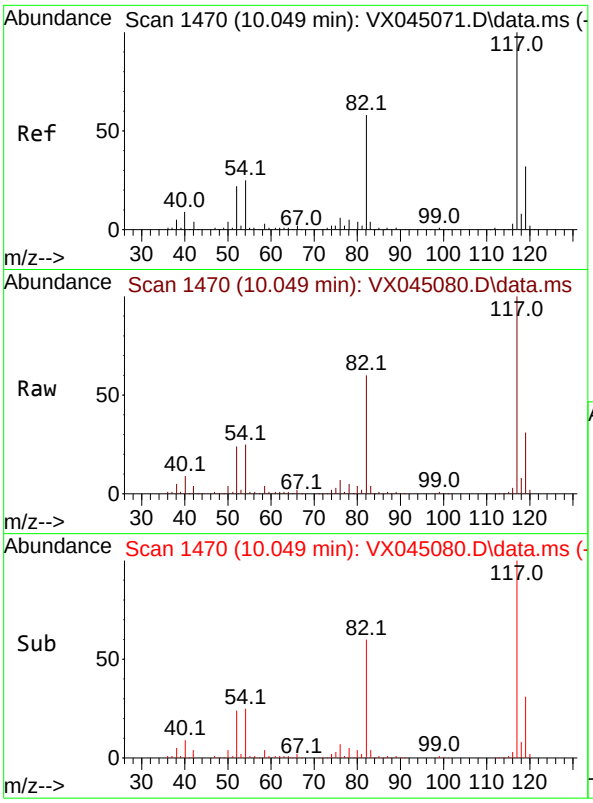


#62
4-Bromofluorobenzene
Concen: 51.005 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 95 Resp: 78964

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	148.2
176	69.8	0.0	141.4

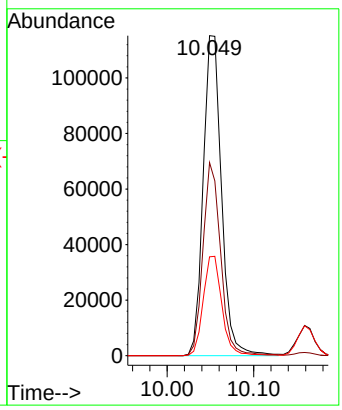




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:117 Resp: 16947

Ion	Ratio	Lower	Upper
117	100		
82	60.4	46.3	69.5
119	30.9	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
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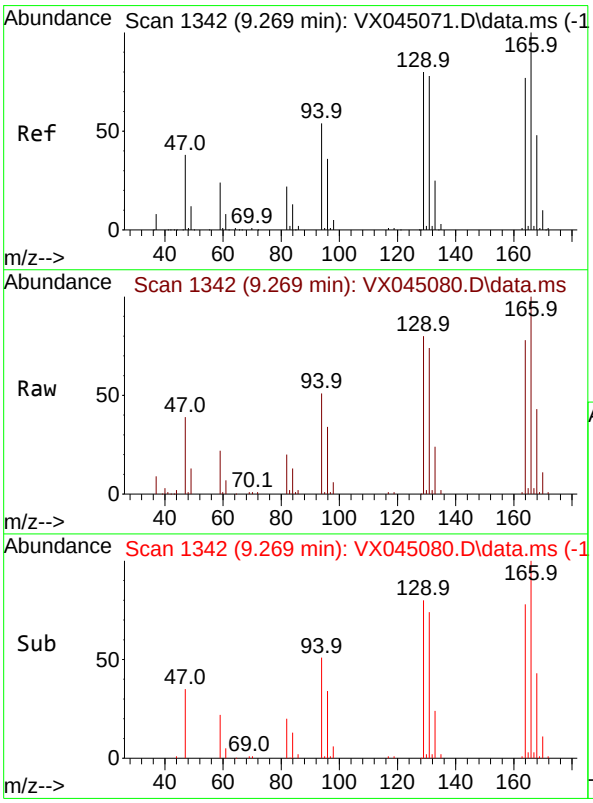
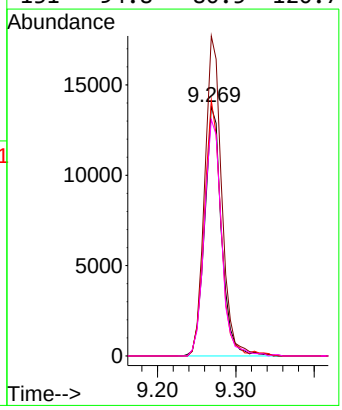
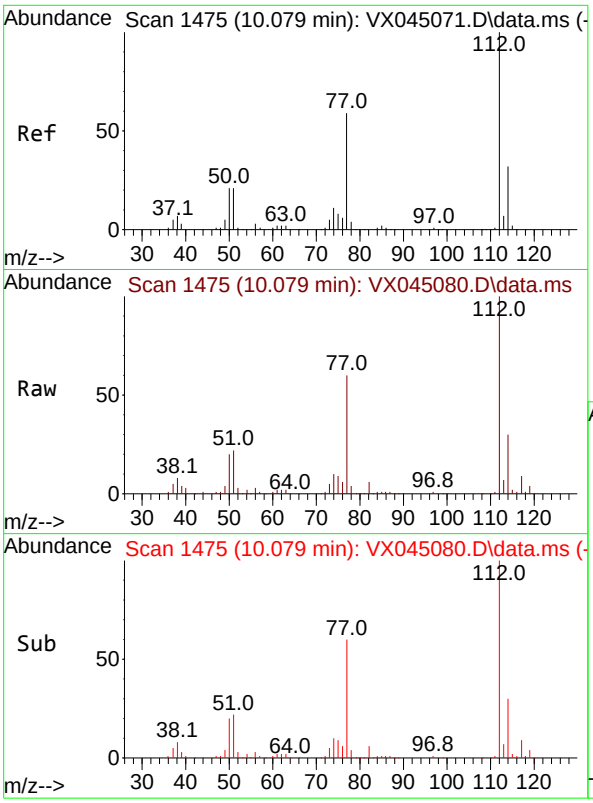


#64
Tetrachloroethene
Concen: 19.012 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:164 Resp: 20636

Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.6	155.4
129	102.7	82.7	124.1
131	94.8	80.5	120.7

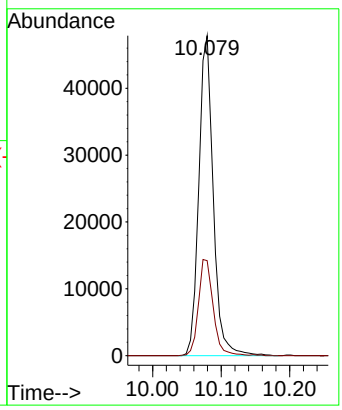




#65
Chlorobenzene
Concen: 19.571 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:112 Resp: 7018

Ion	Ratio	Lower	Upper
112	100		
114	29.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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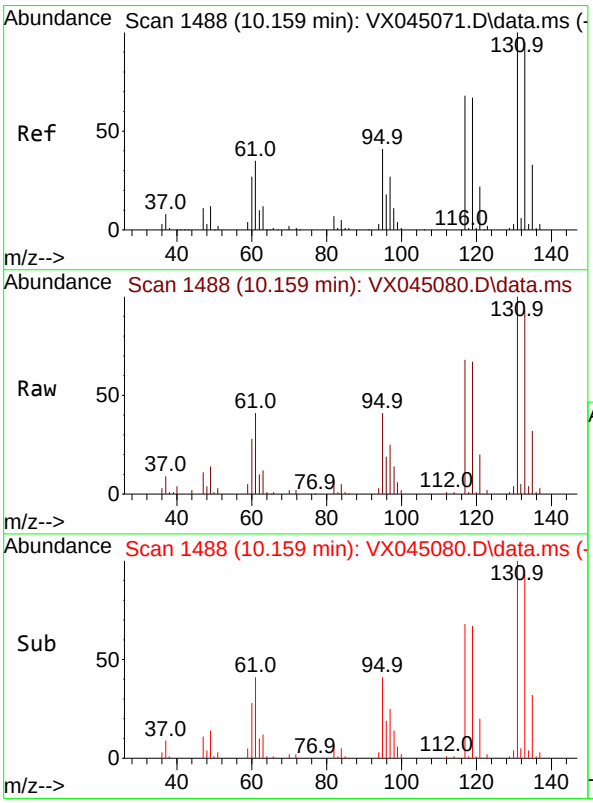
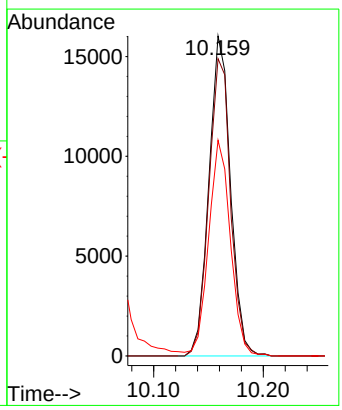
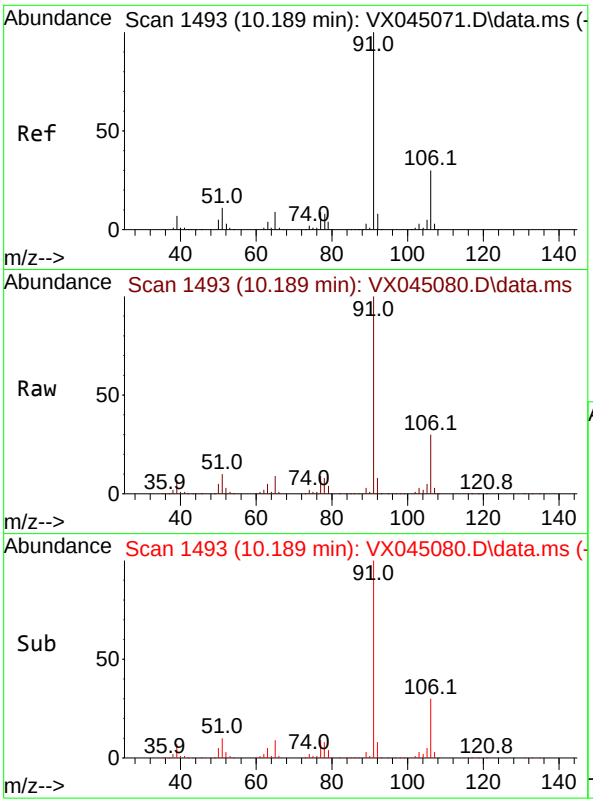


#66
1,1,1,2-Tetrachloroethane
Concen: 18.381 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:131 Resp: 21951

Ion	Ratio	Lower	Upper
131	100		
133	93.9	48.6	145.9
119	67.9	33.9	101.7

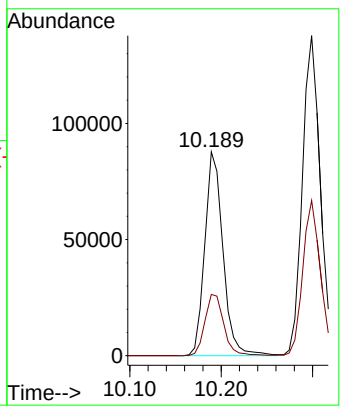




#67
Ethyl Benzene
Concen: 19.418 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 91 Resp: 12133

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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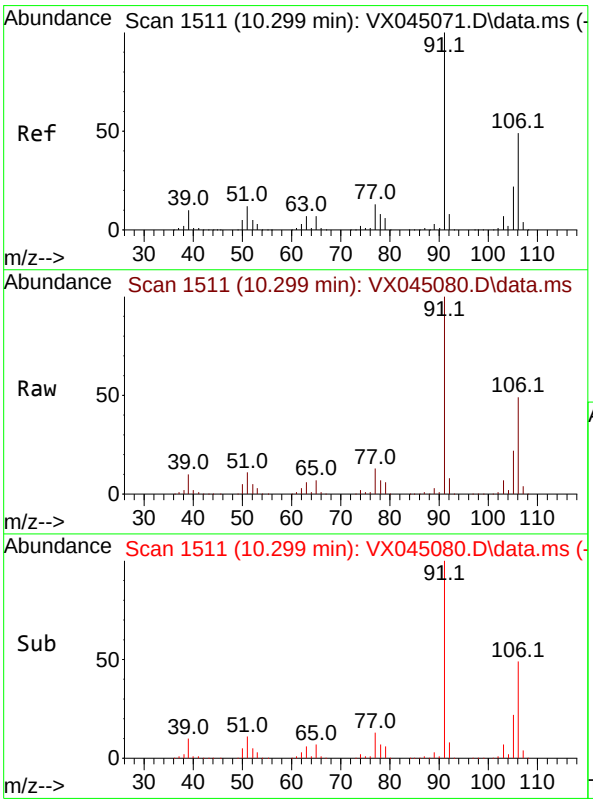
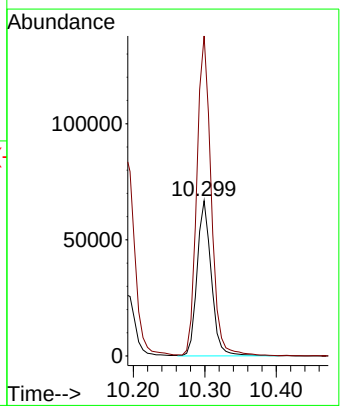
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

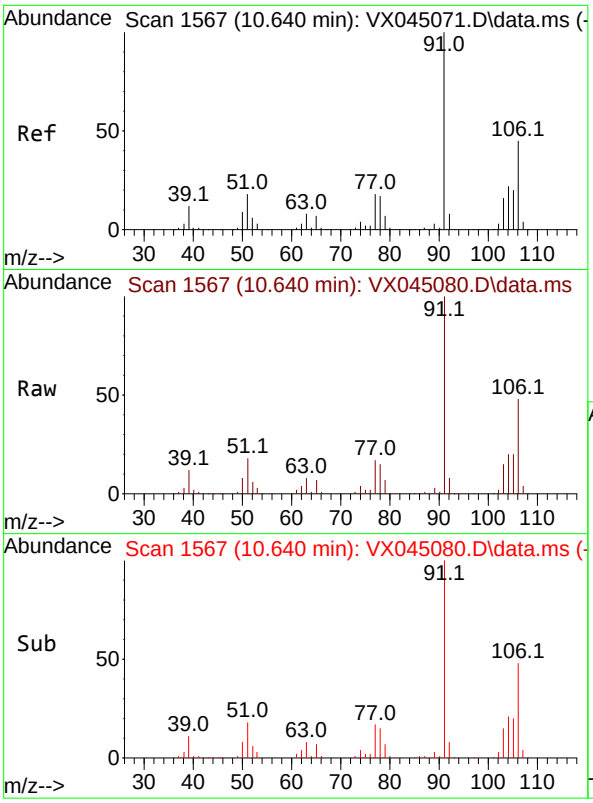


#68
m/p-Xylenes
Concen: 40.136 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:106 Resp: 91808

Ion	Ratio	Lower	Upper
106	100		
91	208.5	165.4	248.0

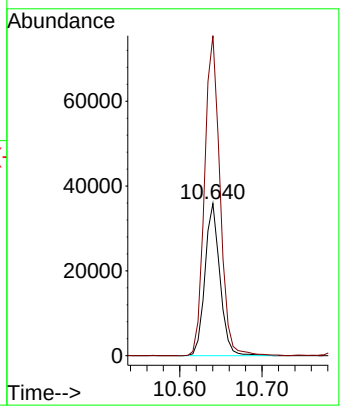




#69
o-Xylene
Concen: 19.659 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:106 Resp: 4535

Ion	Ratio	Lower	Upper
106	100		
91	217.3	109.9	329.6



Instrument :
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ClientSampleId :
VX0228WBS01

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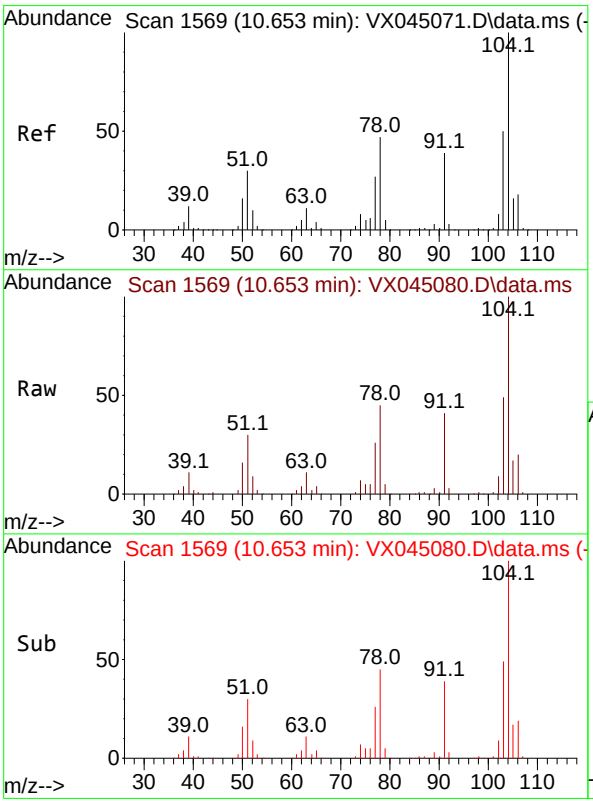
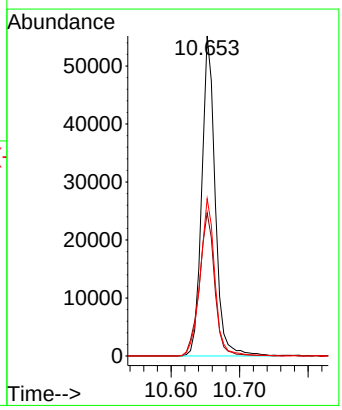
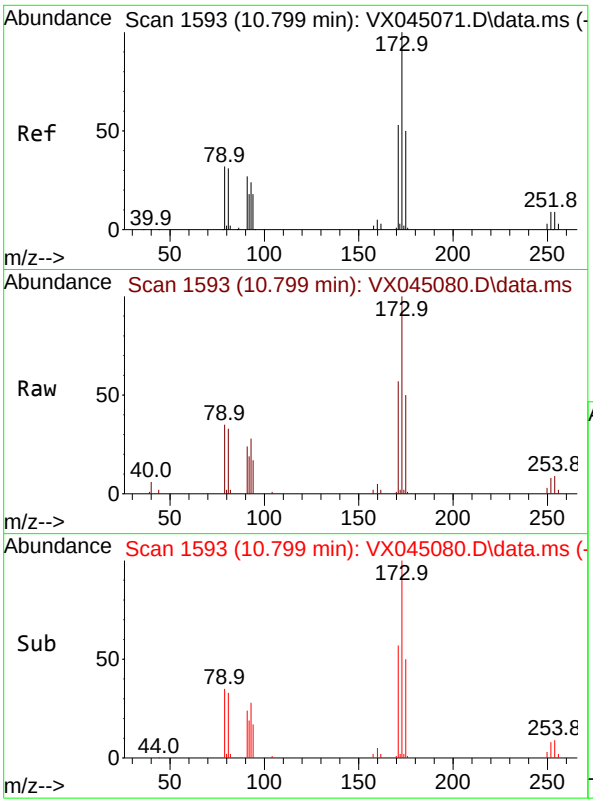


#70
Styrene
Concen: 20.230 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:104 Resp: 75515

Ion	Ratio	Lower	Upper
104	100		
78	50.7	42.2	63.4
103	53.7	43.8	65.8

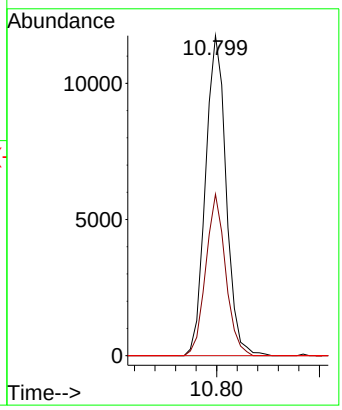




#71
Bromoform
Concen: 18.196 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:173 Resp: 1638

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
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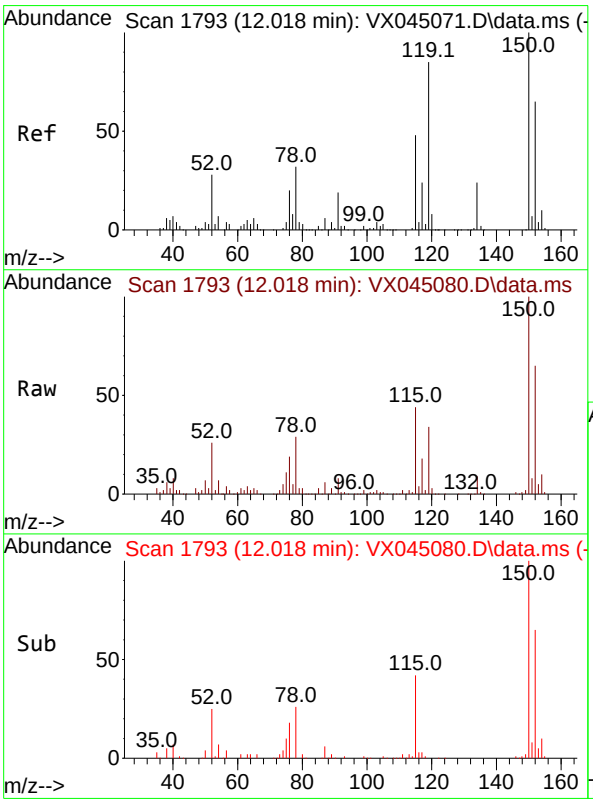
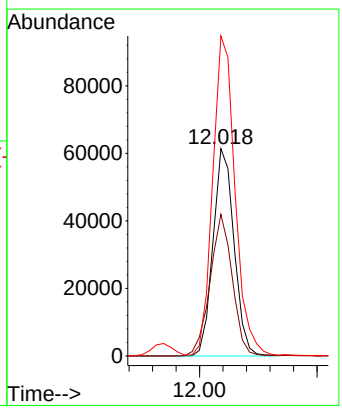
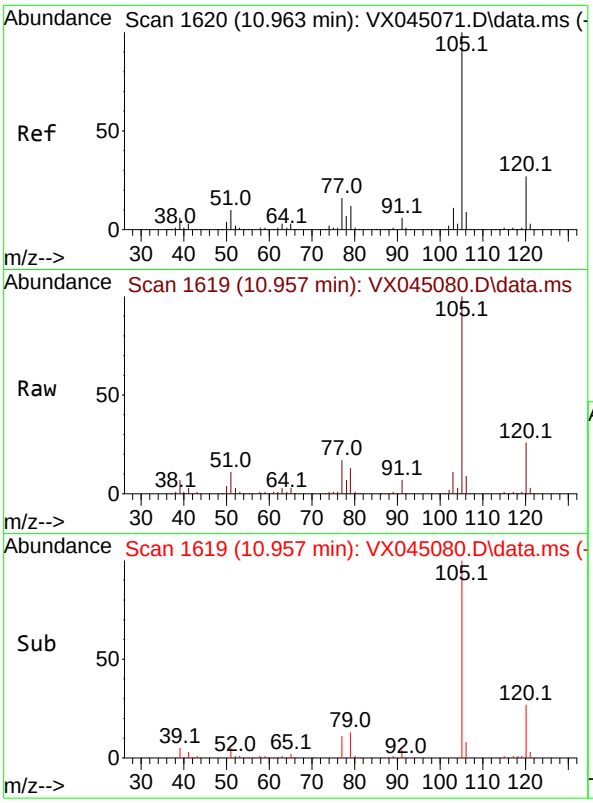


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:152 Resp: 76472

Ion	Ratio	Lower	Upper
152	100		
115	71.9	44.2	132.6
150	163.9	0.0	349.0

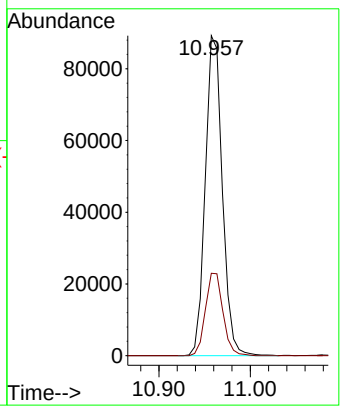




#73
Isopropylbenzene
Concen: 19.389 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:105 Resp: 11573

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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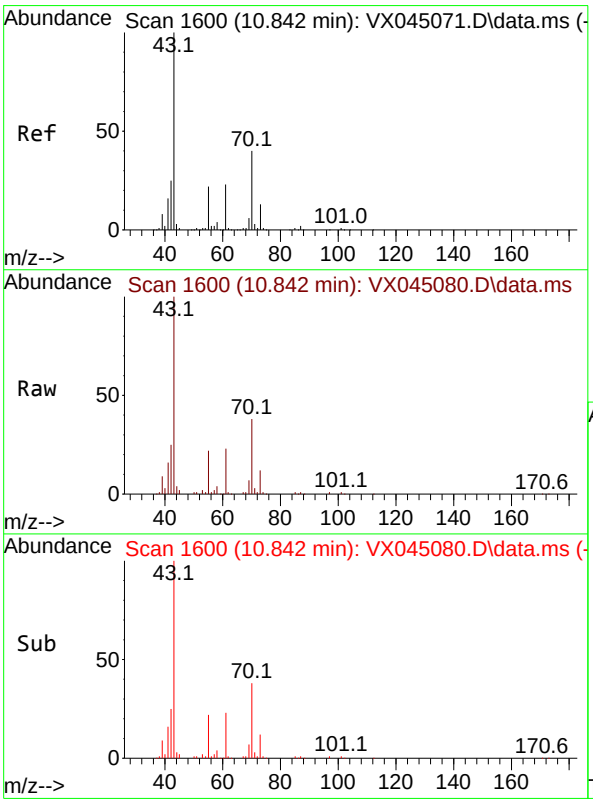
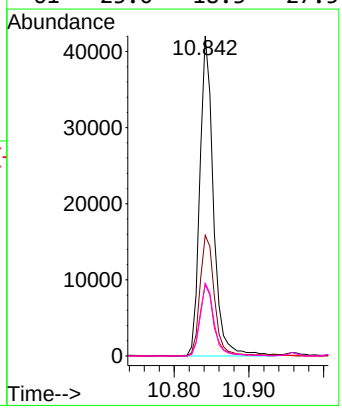
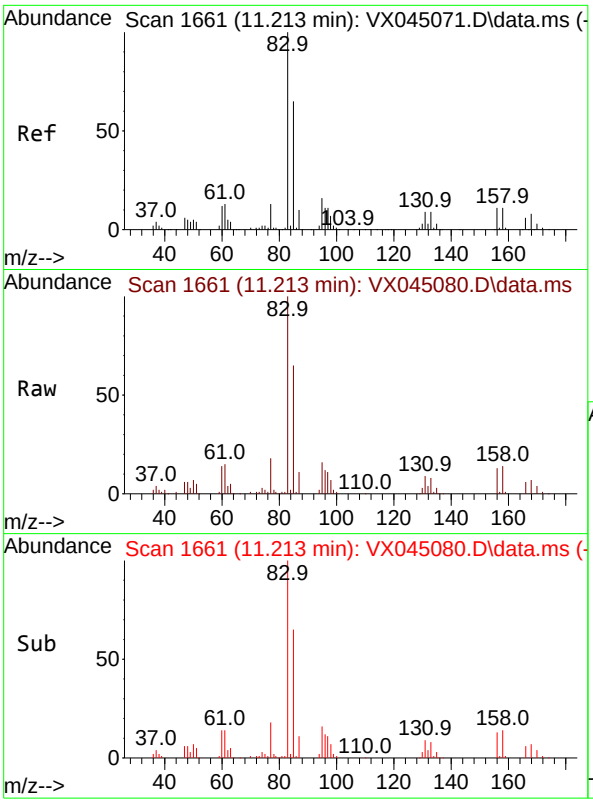


#74
N-amyl acetate
Concen: 18.981 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 53161

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.0	18.3	27.5
61	23.0	18.3	27.5

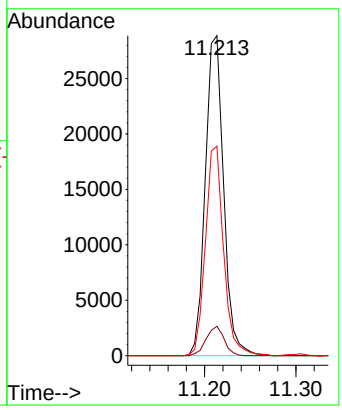




#75
1,1,2,2-Tetrachloroethane
Concen: 18.311 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 83 Resp: 4010

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	64.9	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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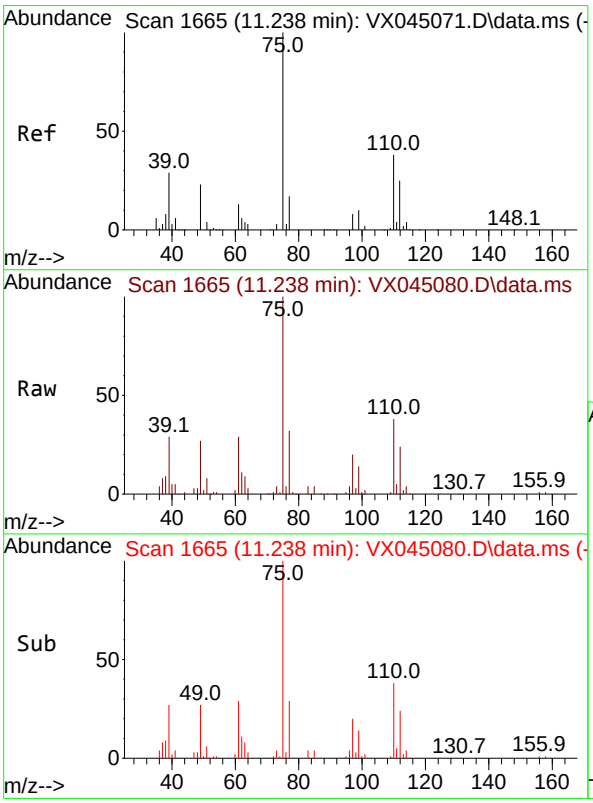
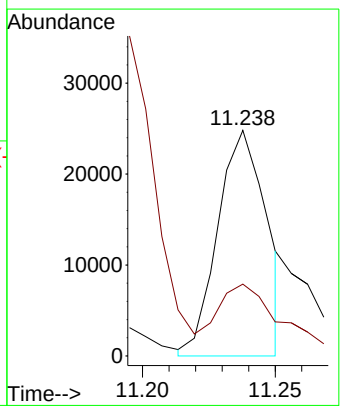
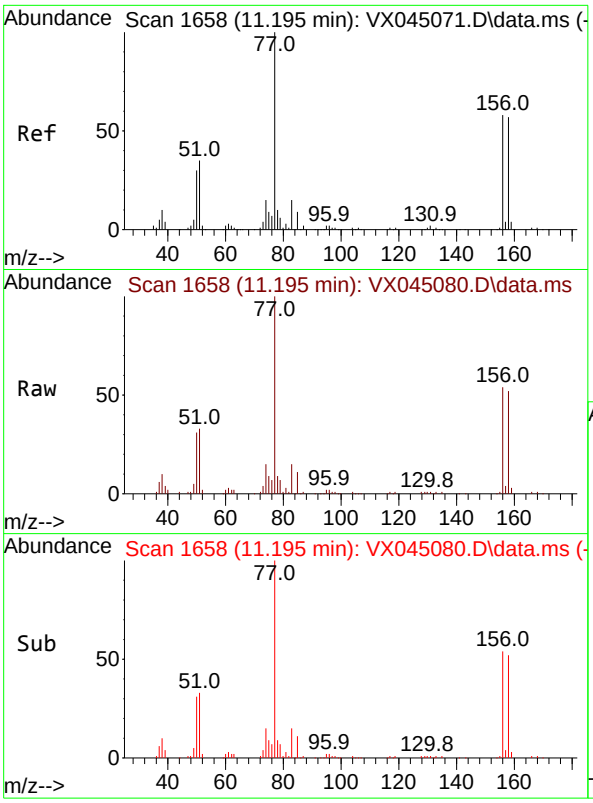


#76
1,2,3-Trichloropropane
Concen: 17.847 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 31765

Ion	Ratio	Lower	Upper
75	100		
77	42.6	20.7	62.1

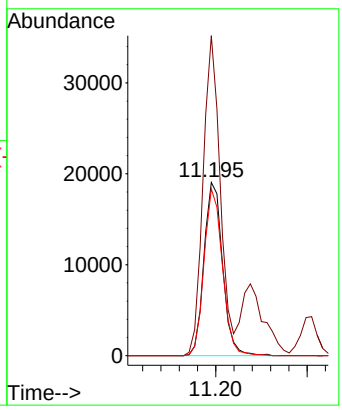




#77
Bromobenzene
Concen: 19.058 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:156 Resp: 2684

Ion	Ratio	Lower	Upper
156	100		
77	170.0	85.8	257.4
158	95.1	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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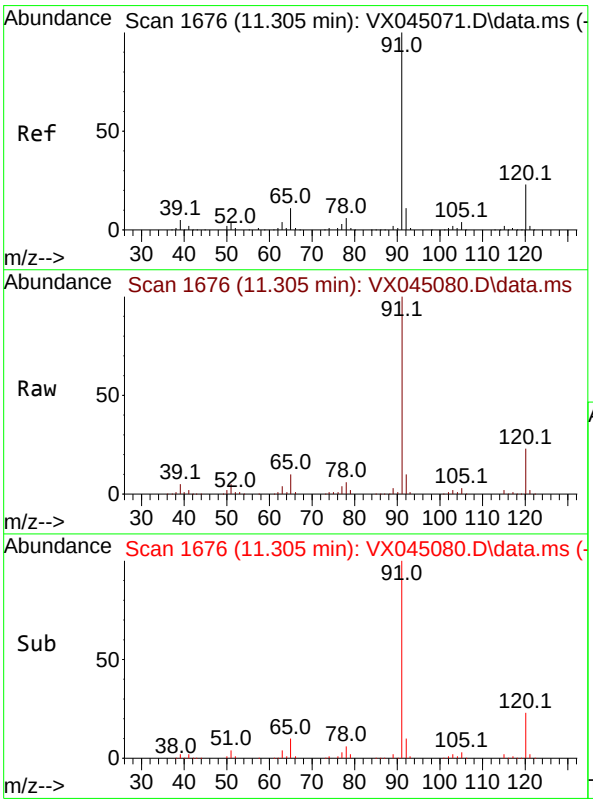
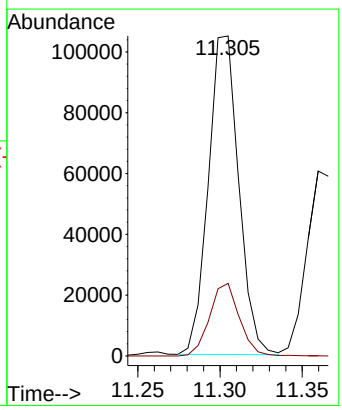
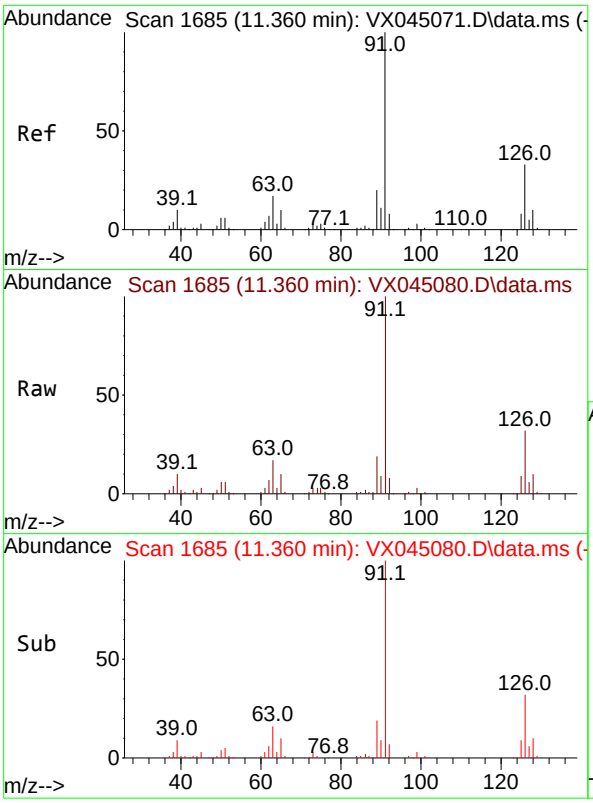


#78
n-propylbenzene
Concen: 20.023 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 91 Resp: 135011

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6

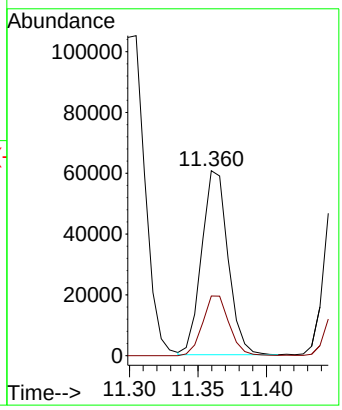




#79
2-Chlorotoluene
Concen: 18.869 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 91 Resp: 8102

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

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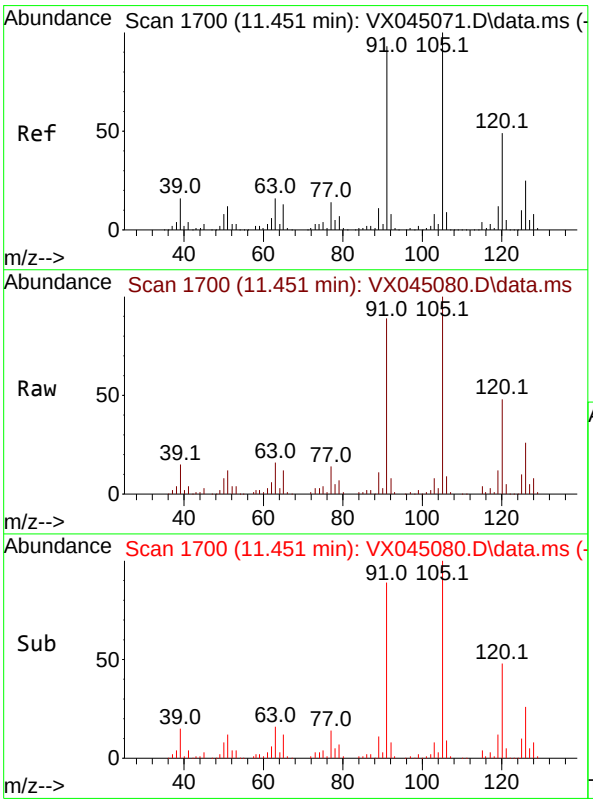
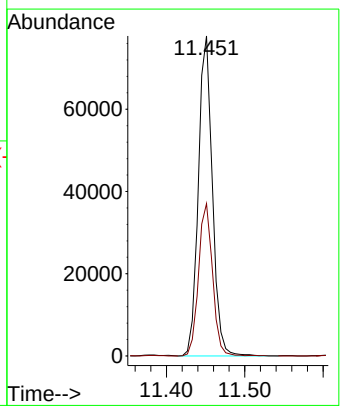
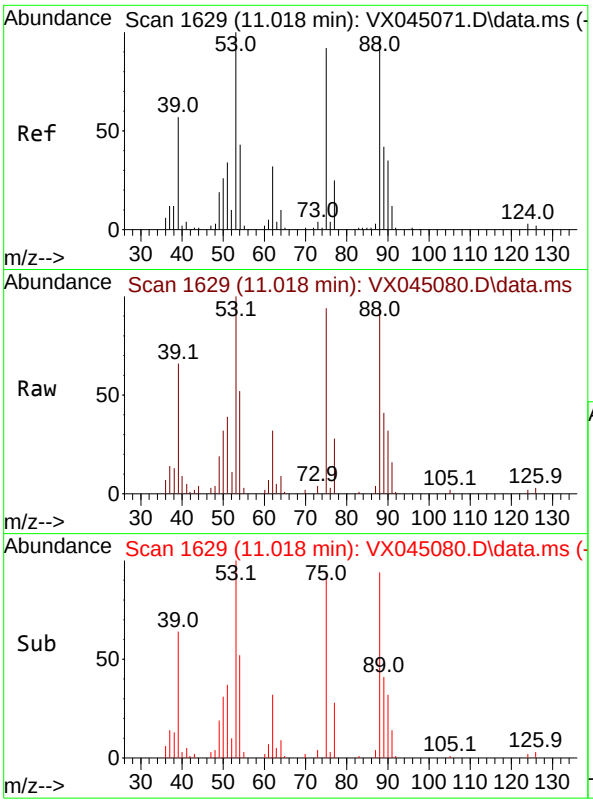


#80
1,3,5-Trimethylbenzene
Concen: 20.095 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:105 Resp: 96986

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.1	72.2

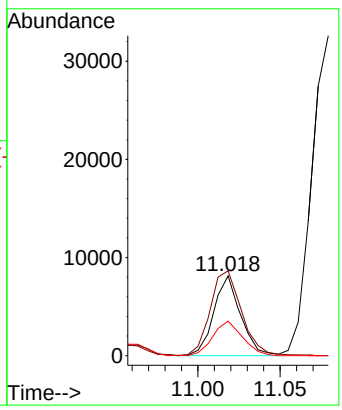




#81
trans-1,4-Dichloro-2-butene
Concen: 17.808 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 926

Ion	Ratio	Lower	Upper
75	100		
53	124.2	88.5	132.7
89	47.6	36.2	54.4



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
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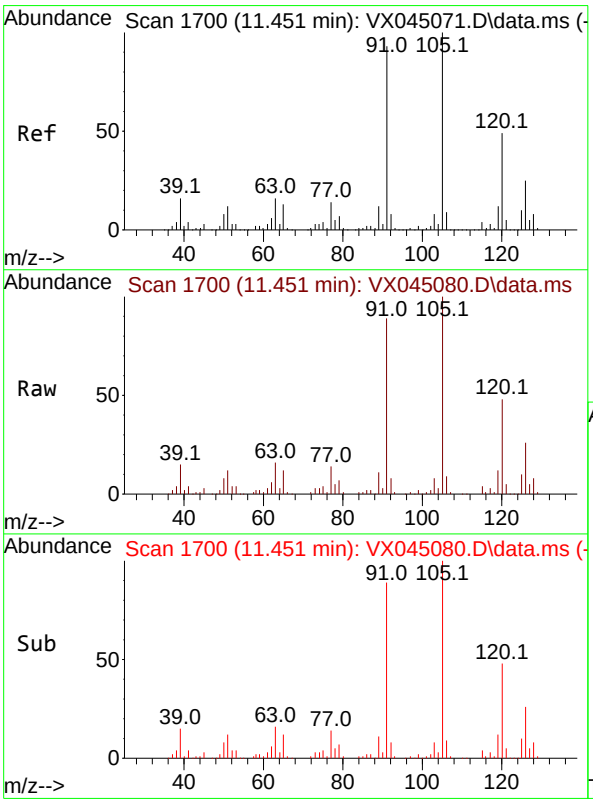
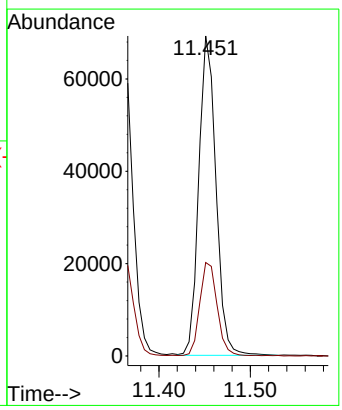
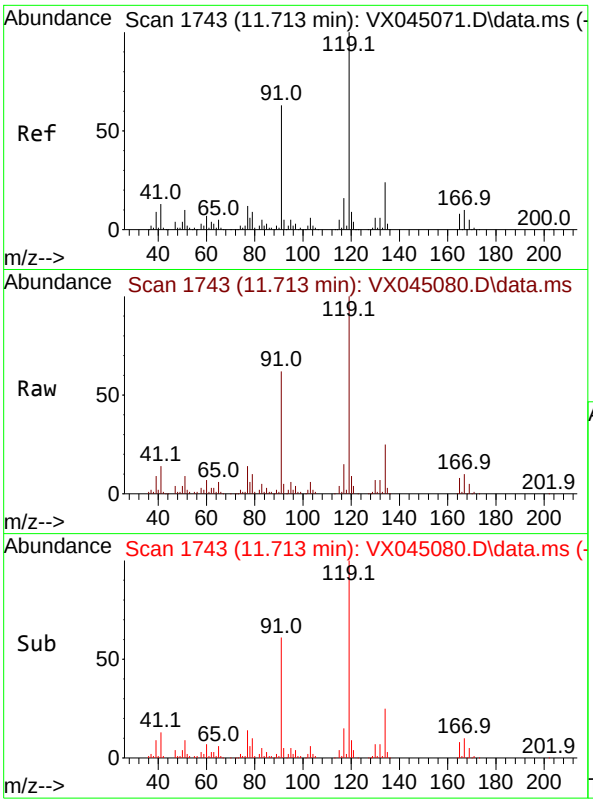


#82
4-Chlorotoluene
Concen: 19.254 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 91 Resp: 90109

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.1	42.4

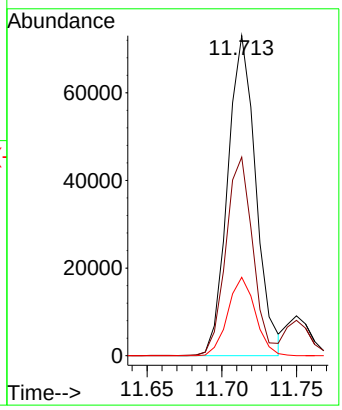




#83
tert-Butylbenzene
Concen: 19.251 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:119 Resp: 9546

Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.7	92.1
134	24.0	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
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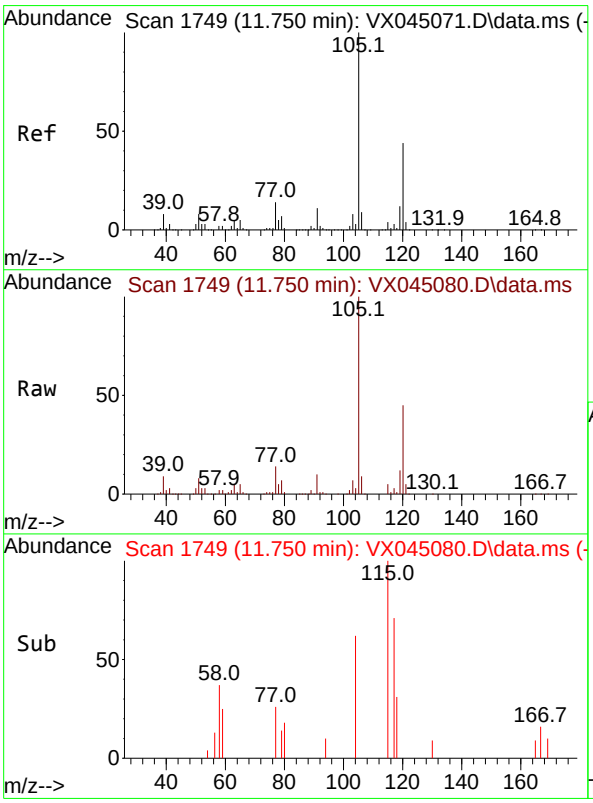
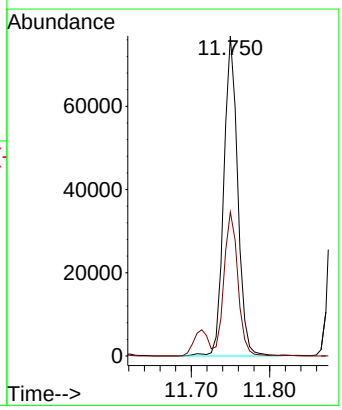
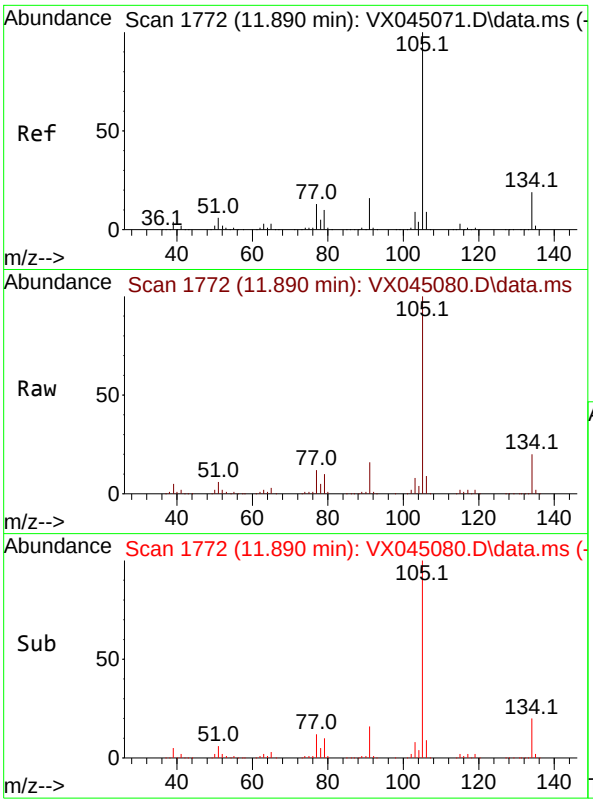


#84
1,2,4-Trimethylbenzene
Concen: 19.618 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:105 Resp: 95268

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.1





#85
sec-Butylbenzene
Concen: 19.930 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

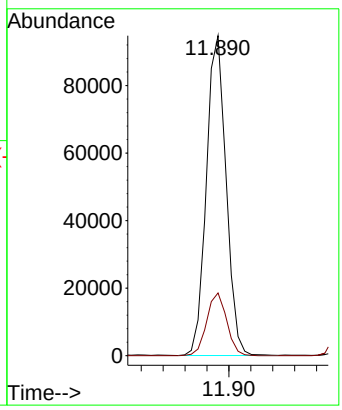
Tgt Ion:105 Resp: 11838

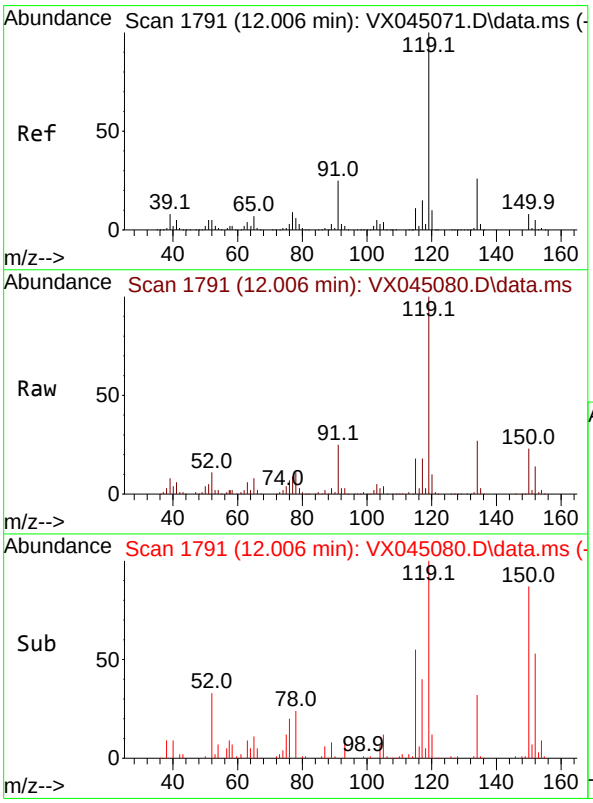
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

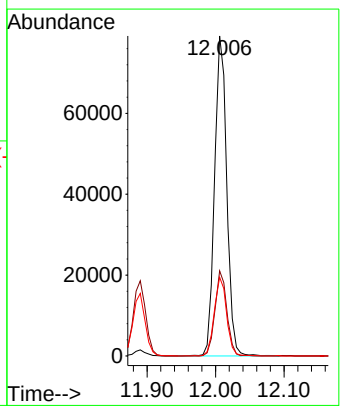


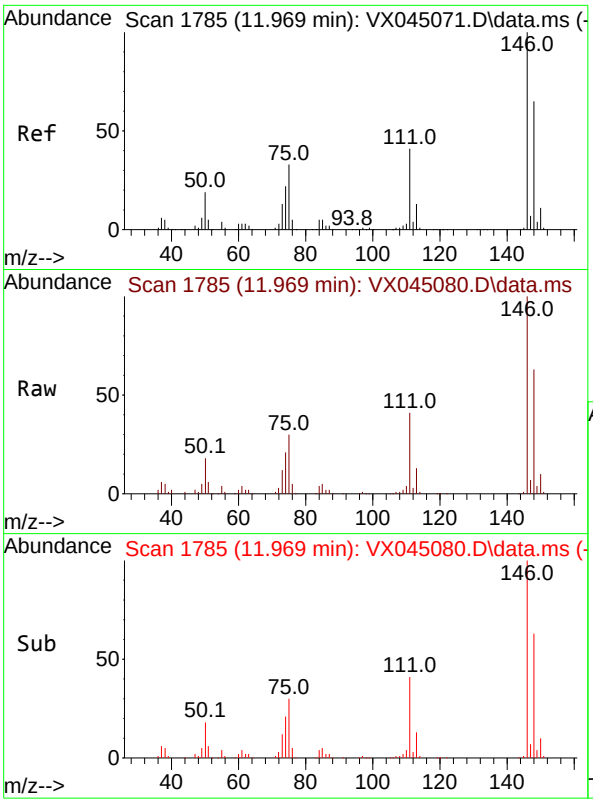


#86
p-Isopropyltoluene
Concen: 20.363 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:119 Resp: 97752

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.0	12.7	38.0

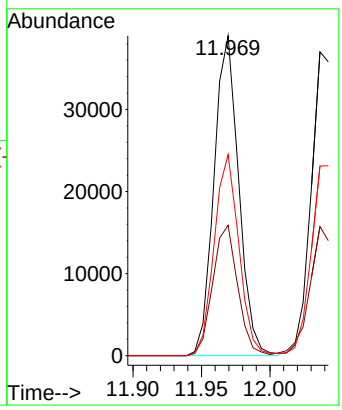




#87
1,3-Dichlorobenzene
Concen: 19.459 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:146 Resp: 4888

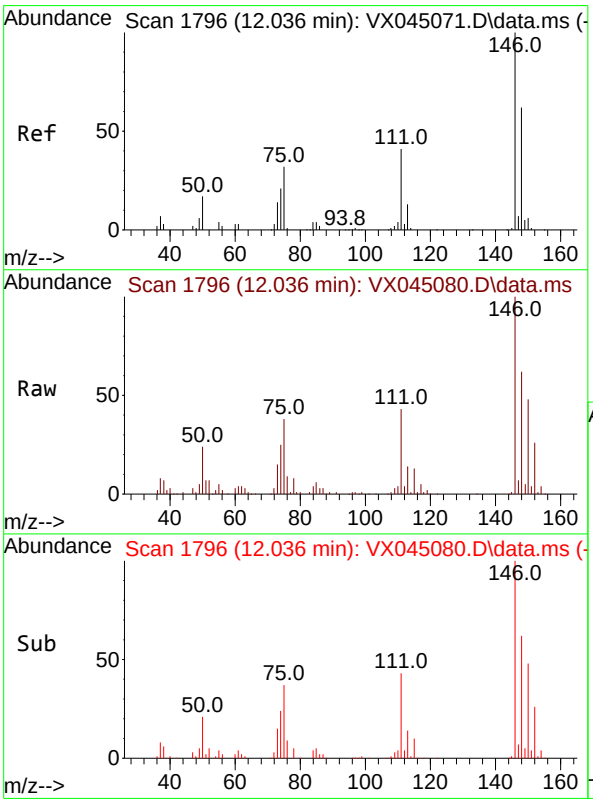
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.4
148	63.0	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
APPROVED

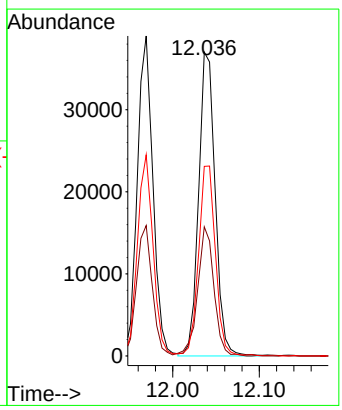
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

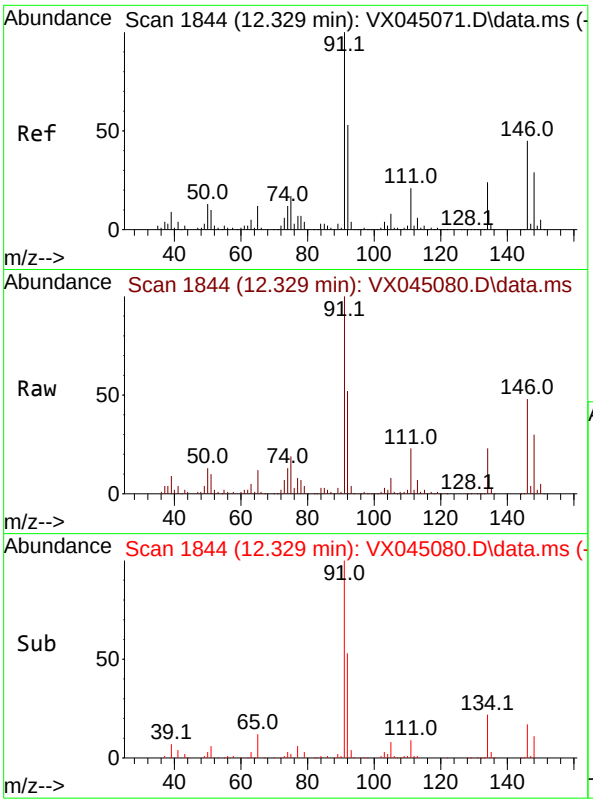


#88
1,4-Dichlorobenzene
Concen: 19.373 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:146 Resp: 49240

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.2	60.5
148	63.9	31.9	95.9

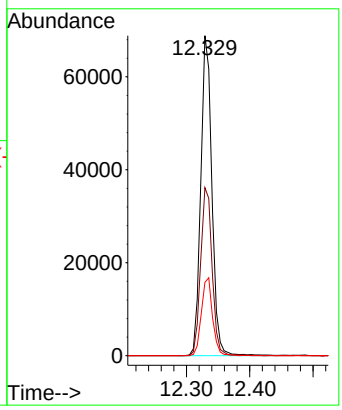




#89
n-Butylbenzene
Concen: 20.441 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 91 Resp: 8451

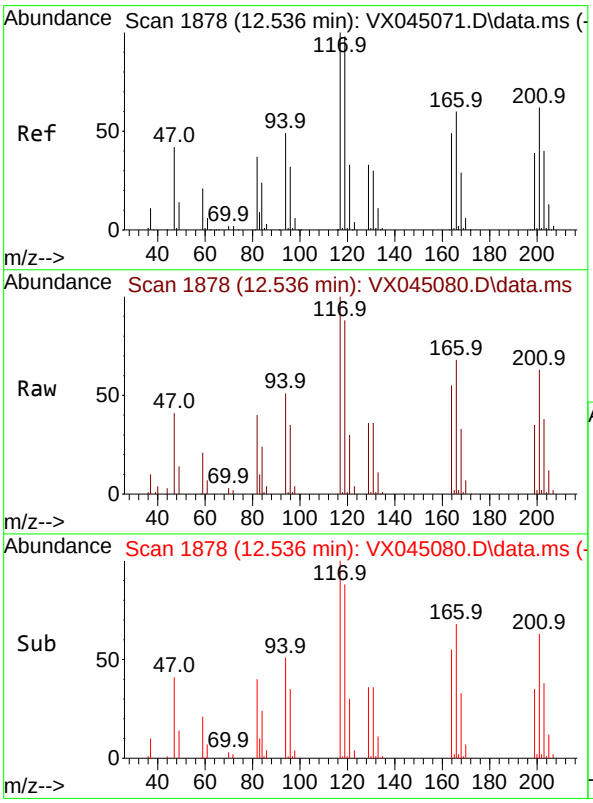
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
APPROVED

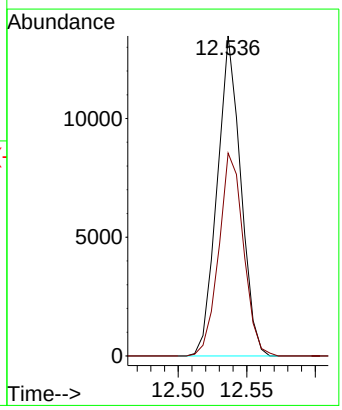
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

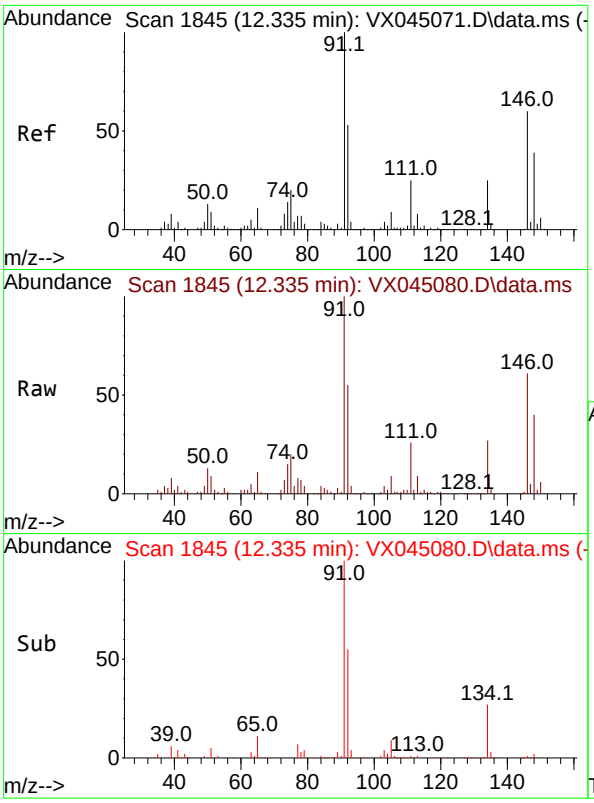


#90
Hexachloroethane
Concen: 18.549 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:117 Resp: 16106

Ion	Ratio	Lower	Upper
117	100		
201	66.5	31.9	95.9

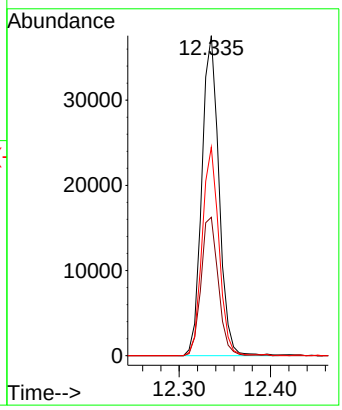




#91
1,2-Dichlorobenzene
Concen: 19.400 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:146 Resp: 4889

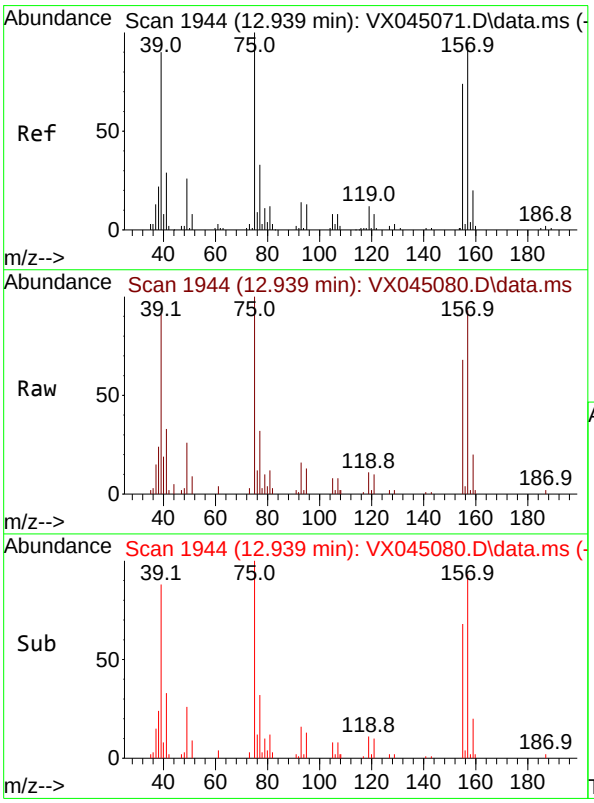
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	63.7	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
APPROVED

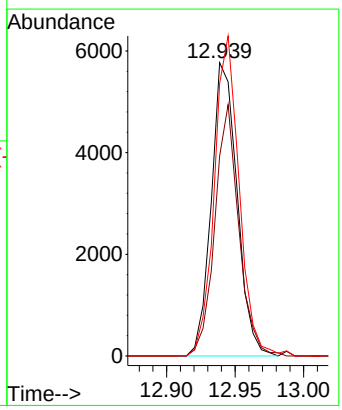
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

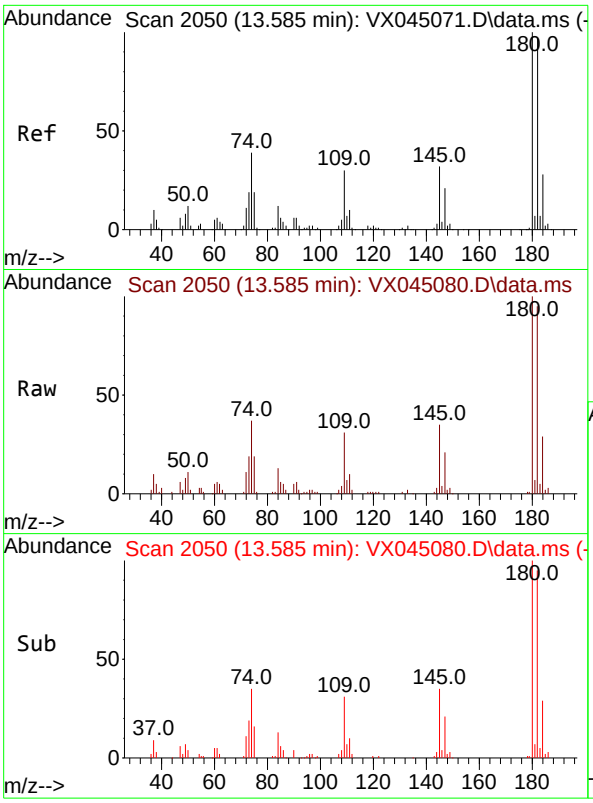


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.719 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 7561

Ion	Ratio	Lower	Upper
75	100		
155	79.3	39.6	118.7
157	105.1	51.1	153.4

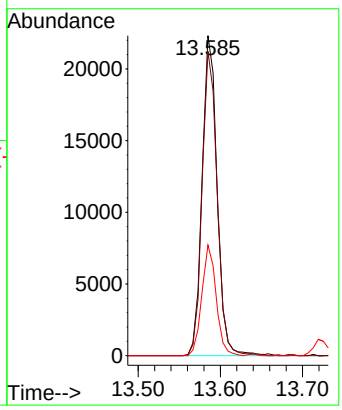




#93
1,2,4-Trichlorobenzene
Concen: 19.684 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:180 Resp: 2824

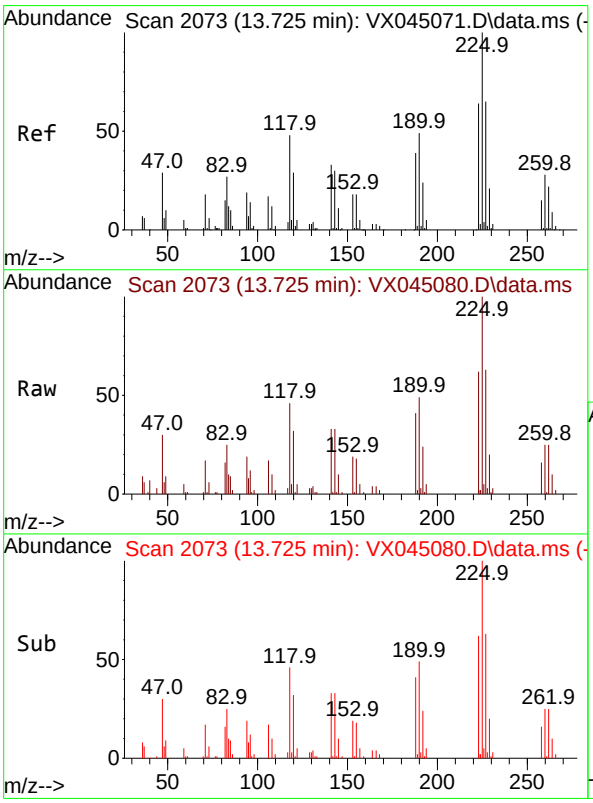
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	33.1	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
APPROVED

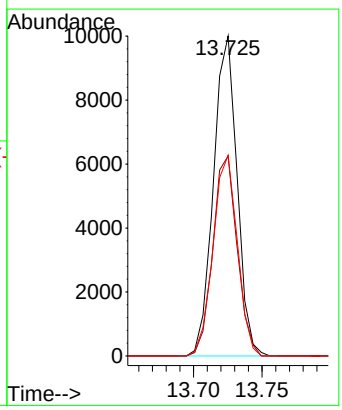
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

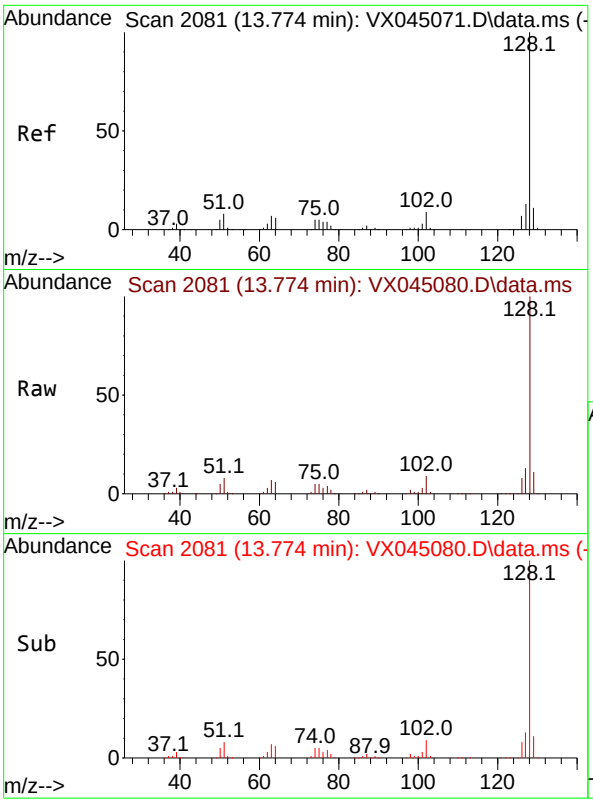


#94
Hexachlorobutadiene
Concen: 20.362 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:225 Resp: 11980

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.9	95.7
227	64.4	31.4	94.0

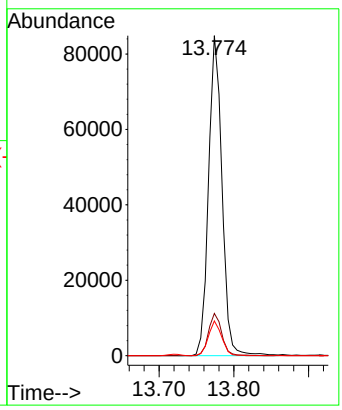




#95
Naphthalene
Concen: 19.237 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:128 Resp: 10606

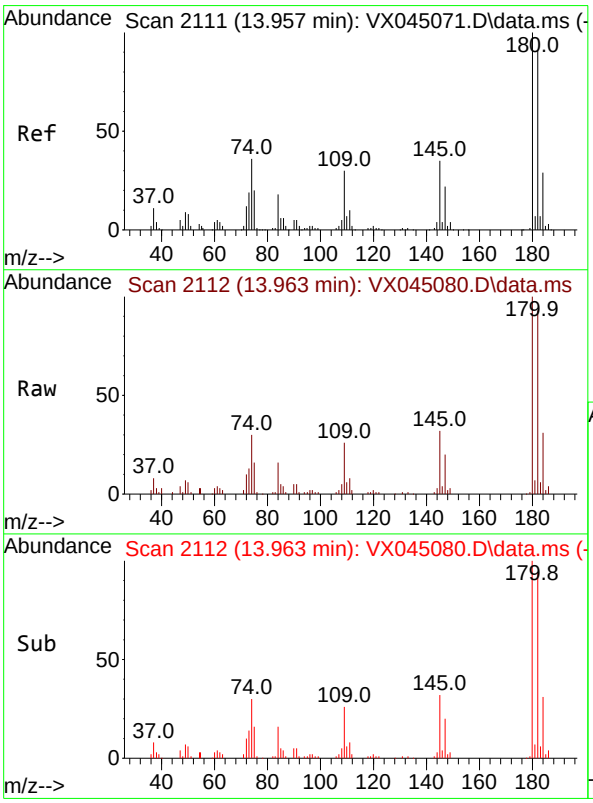
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
APPROVED

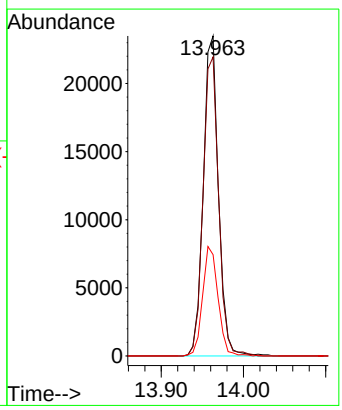
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.855 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:180 Resp: 30059

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	34.9	17.0	50.9



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY0226SBS01	SDG No.:	Q1401
Lab Sample ID:	VY0226SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021322.D	1		02/26/25 11:22	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	18.9		1.20	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.3		0.77	2.50	5.00	ug/Kg
74-83-9	Bromomethane	19.2		1.00	4.00	5.00	ug/Kg
75-00-3	Chloroethane	19.0		1.00	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.0		0.91	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.0		0.78	2.50	5.00	ug/Kg
67-64-1	Acetone	94.9		6.20	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.6		1.30	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.1		0.67	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.5		3.40	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.0		0.84	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.1		0.63	2.50	5.00	ug/Kg
78-93-3	2-Butanone	92.9		5.70	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.0		0.87	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.2		0.61	2.50	5.00	ug/Kg
67-66-3	Chloroform	19.3		0.67	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.2		0.78	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.9		0.87	2.50	5.00	ug/Kg
71-43-2	Benzene	19.3		0.72	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.2		0.61	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	19.2		0.75	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.1		0.66	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.1		0.56	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.3		4.40	12.5	25.0	ug/Kg
108-88-3	Toluene	19.3		0.67	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.0		0.60	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.3		0.57	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.1		0.84	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	93.8		4.80	12.5	25.0	ug/Kg

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY0226SBS01	SDG No.:	Q1401
Lab Sample ID:	VY0226SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021322.D	1		02/26/25 11:22	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	19.3		0.65	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.2		0.89	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	19.0		0.74	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.62	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.8		1.40	5.00	10.0	ug/Kg
95-47-6	o-Xylene	19.3		0.70	2.50	5.00	ug/Kg
100-42-5	Styrene	19.3		0.60	2.50	5.00	ug/Kg
75-25-2	Bromoform	19.1		0.81	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.1		0.67	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.8		1.10	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.1		0.74	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.2		0.80	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.8		0.59	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.7		71 - 136		93%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		78 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	47.6		85 - 116		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		79 - 119		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	184000	7.707				
540-36-3	1,4-Difluorobenzene	291000	8.615				
3114-55-4	Chlorobenzene-d5	255000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.346				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	184417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	291138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	254891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	97685	46.693	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.380%			
35) Dibromofluoromethane	7.634	113	90492	47.410	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.820%			
50) Toluene-d8	10.109	98	351200	47.609	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.220%			
62) 4-Bromofluorobenzene	12.407	95	117404	47.291	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	34125	19.517	ug/l	97
3) Chloromethane	2.068	50	42771	18.941	ug/l	96
4) Vinyl Chloride	2.202	62	42765	19.295	ug/l	98
5) Bromomethane	2.592	94	28297	19.212	ug/l	100
6) Chloroethane	2.732	64	26124	19.007	ug/l	95
7) Trichlorofluoromethane	3.056	101	63673	19.022	ug/l	100
8) Diethyl Ether	3.452	74	19334	19.245	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	38299	19.763	ug/l	98
10) Methyl Iodide	4.007	142	37750	18.516	ug/l	99
11) Tert butyl alcohol	4.854	59	13942	86.641	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	35305	19.026	ug/l	96
13) Acrolein	3.653	56	20005	162.231	ug/l	95
14) Allyl chloride	4.385	41	62973	19.141	ug/l	98
15) Acrylonitrile	5.061	53	42599	95.903	ug/l	99
16) Acetone	3.872	43	38073	94.873	ug/l	99
17) Carbon Disulfide	4.104	76	114721	18.619	ug/l	100
18) Methyl Acetate	4.385	43	18152	18.509	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	93663	19.105	ug/l	100
20) Methylene Chloride	4.610	84	40120	18.488	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	38871	19.029	ug/l	97
22) Diisopropyl ether	6.018	45	134550	19.764	ug/l	100
23) Vinyl Acetate	5.957	43	386141	94.917	ug/l	98
24) 1,1-Dichloroethane	5.915	63	73384	19.125	ug/l	99
25) 2-Butanone	6.890	43	56272	92.910	ug/l	100
26) 2,2-Dichloropropane	6.884	77	66242	19.026	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	44795	19.204	ug/l	99
28) Bromochloromethane	7.244	49	30330	17.864	ug/l	99
29) Tetrahydrofuran	7.262	42	37274	94.152	ug/l	98
30) Chloroform	7.421	83	75017	19.294	ug/l	99
31) Cyclohexane	7.701	56	69642	18.881	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	67879	19.180	ug/l	99
36) 1,1-Dichloropropene	7.835	75	55184	19.247	ug/l	100
37) Ethyl Acetate	6.988	43	28035	19.657	ug/l	99
38) Carbon Tetrachloride	7.817	117	61214	18.991	ug/l	96
39) Methylcyclohexane	9.109	83	68527	18.897	ug/l	97
40) Benzene	8.079	78	163641	19.308	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	12920m	16.203	ug/l		
42) 1,2-Dichloroethane	8.158	62	46152	19.193	ug/l		100
43) Isopropyl Acetate	8.195	43	51417	18.626	ug/l		99
44) Trichloroethene	8.865	130	40770	19.214	ug/l		98
45) 1,2-Dichloropropane	9.140	63	39037	19.139	ug/l		95
46) Dibromomethane	9.231	93	21795	19.549	ug/l		97
47) Bromodichloromethane	9.420	83	56650	19.056	ug/l		97
48) Methyl methacrylate	9.219	41	25014	19.377	ug/l		99
49) 1,4-Dioxane	9.231	88	4576	369.128	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	131838	93.298	ug/l		100
52) Toluene	10.170	92	101381	19.255	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	51842	19.034	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	61986	19.278	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	27740	19.099	ug/l		97
56) Ethyl methacrylate	10.438	69	37632	18.751	ug/l		99
57) 1,3-Dichloropropane	10.719	76	49393	19.380	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	87093	90.414	ug/l		100
59) 2-Hexanone	10.761	43	87008	93.755	ug/l		99
60) Dibromochloromethane	10.908	129	38212	19.318	ug/l		100
61) 1,2-Dibromoethane	11.011	107	25849	18.799	ug/l		96
64) Tetrachloroethene	10.646	164	36984	19.197	ug/l		97
65) Chlorobenzene	11.444	112	108578	18.977	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.517	131	39302	19.617	ug/l		98
67) Ethyl Benzene	11.517	91	192592	19.003	ug/l		100
68) m/p-Xylenes	11.627	106	147929	38.806	ug/l		100
69) o-Xylene	11.956	106	69071	19.342	ug/l		99
70) Styrene	11.969	104	114447	19.262	ug/l		99
71) Bromoform	12.133	173	21872	19.083	ug/l	#	99
73) Isopropylbenzene	12.255	105	184435	19.058	ug/l		100
74) N-amyl acetate	12.072	43	44104	17.930	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	32169	18.835	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	20053m	15.563	ug/l		
77) Bromobenzene	12.529	156	42599	18.925	ug/l		98
78) n-propylbenzene	12.596	91	226845	19.317	ug/l		100
79) 2-Chlorotoluene	12.682	91	128526	19.070	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	155422	19.582	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	10066	17.364	ug/l		95
82) 4-Chlorotoluene	12.779	91	133936	19.171	ug/l		100
83) tert-Butylbenzene	12.999	119	136788	19.079	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	152431	19.310	ug/l		99
85) sec-Butylbenzene	13.176	105	204066	19.486	ug/l		100
86) p-Isopropyltoluene	13.291	119	167856	19.195	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	85257	19.148	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	84570	19.226	ug/l		99
89) n-Butylbenzene	13.621	91	155625	18.911	ug/l		100
90) Hexachloroethane	13.883	117	34224	18.736	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	73256	18.778	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5025	18.599	ug/l		93
93) 1,2,4-Trichlorobenzene	14.925	180	42148	17.702	ug/l		99
94) Hexachlorobutadiene	15.023	225	27956	18.650	ug/l		99
95) Naphthalene	15.151	128	68106	17.269	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	36072	17.931	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations APPROVED

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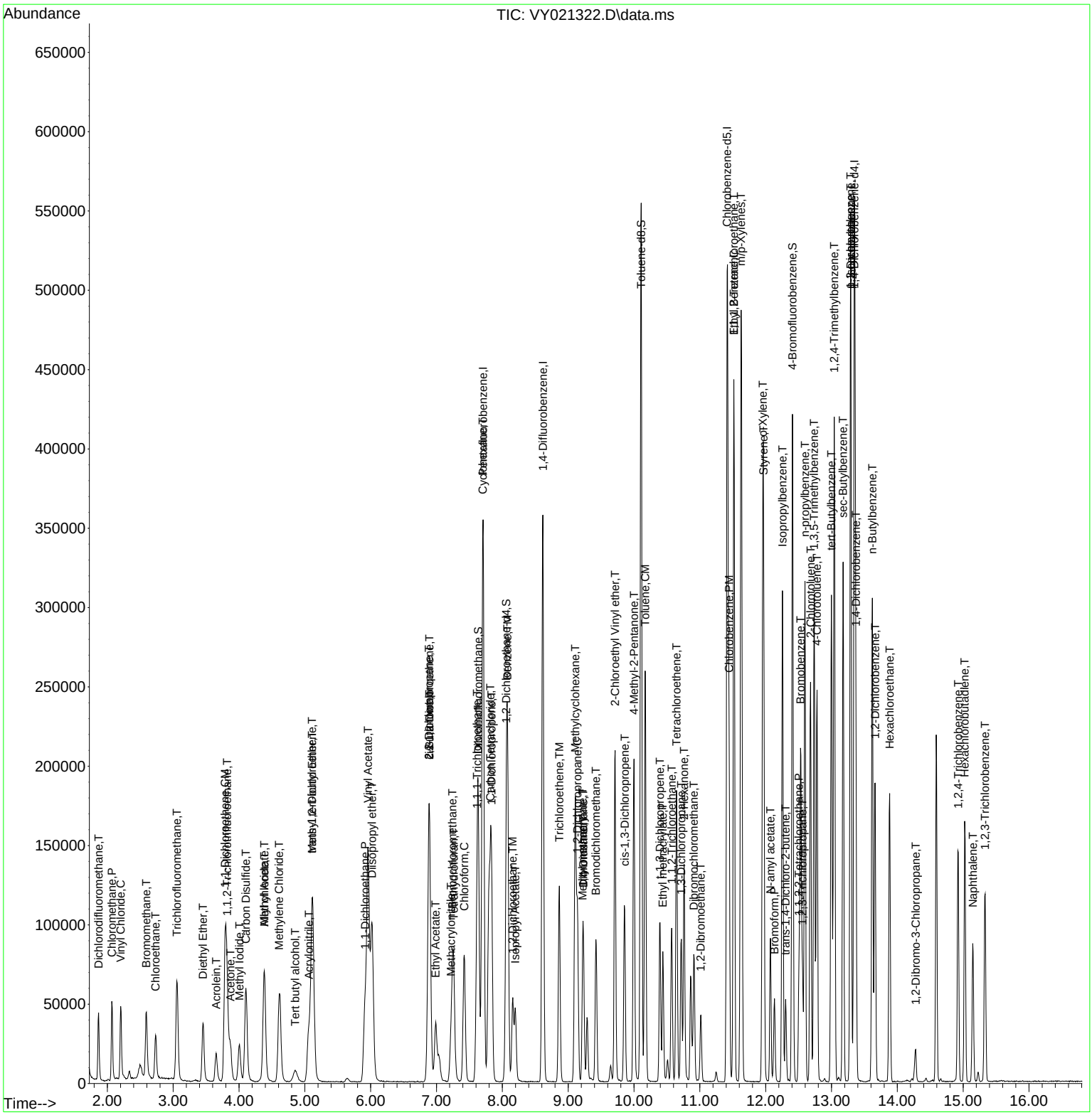
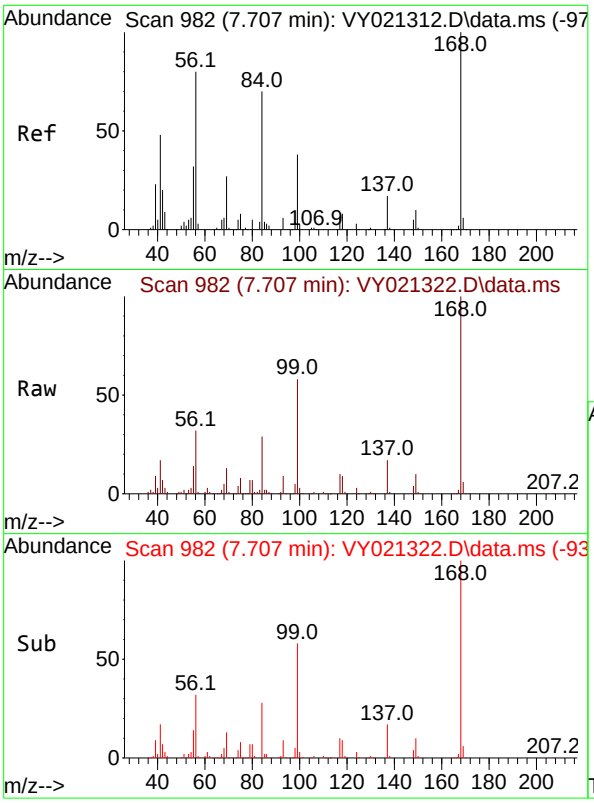
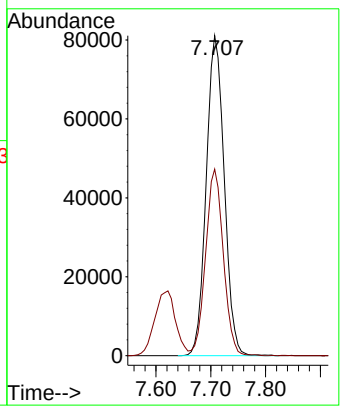




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:168 Resp: 18441

Ion	Ratio	Lower	Upper
168	100		
99	58.3	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

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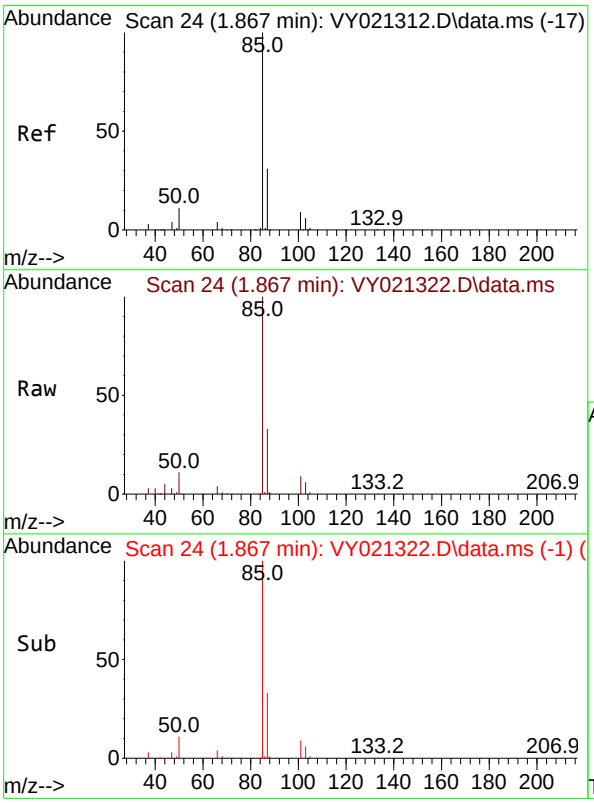
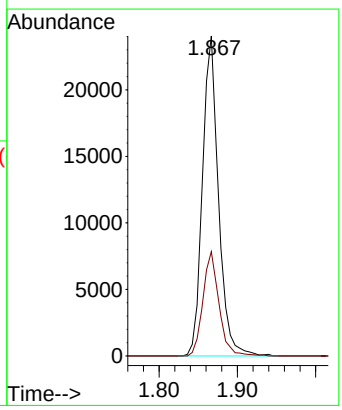
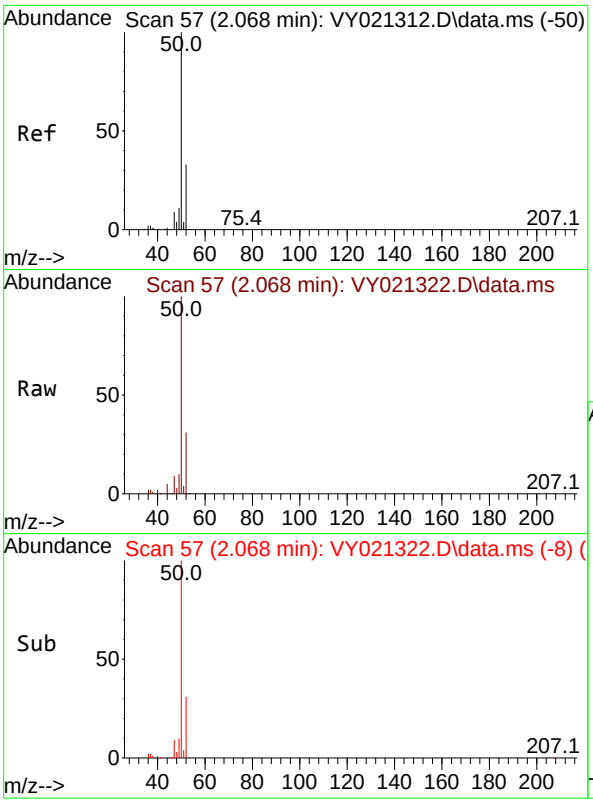


#2
Dichlorodifluoromethane
Concen: 19.517 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 85 Resp: 34125

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4

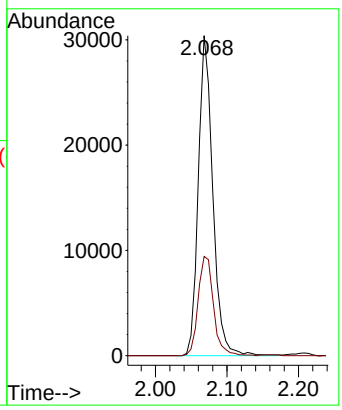




#3
Chloromethane
Concen: 18.941 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 50 Resp: 4277

Ion	Ratio	Lower	Upper
50	100		
52	31.0	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

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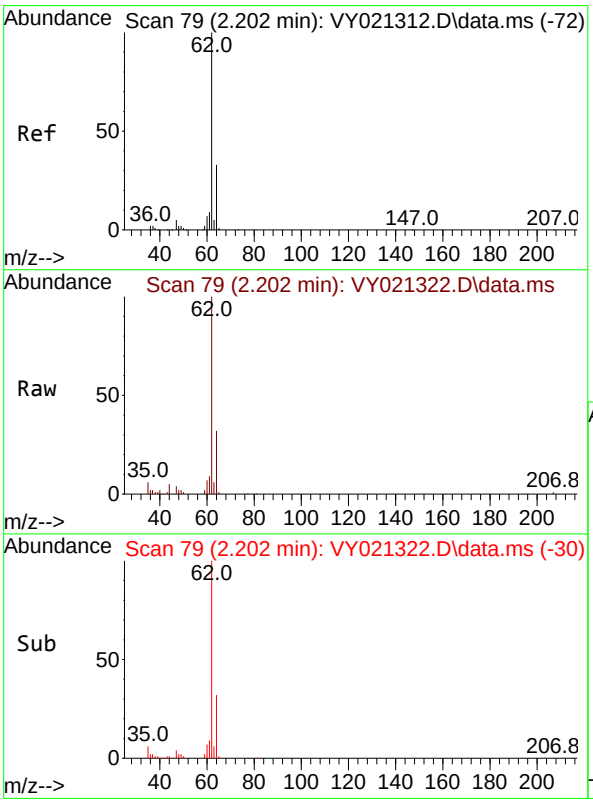
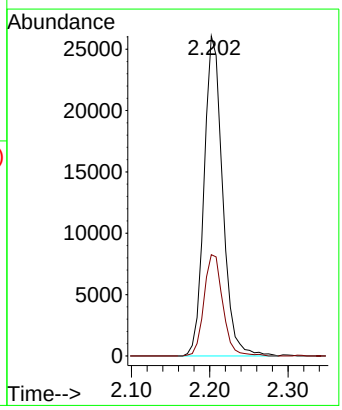
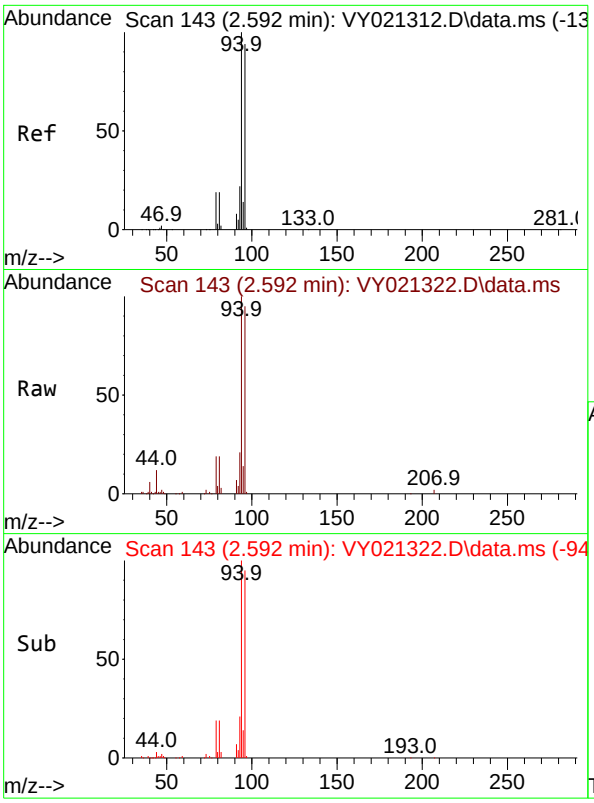


#4
Vinyl Chloride
Concen: 19.295 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 62 Resp: 42765

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.3	39.5

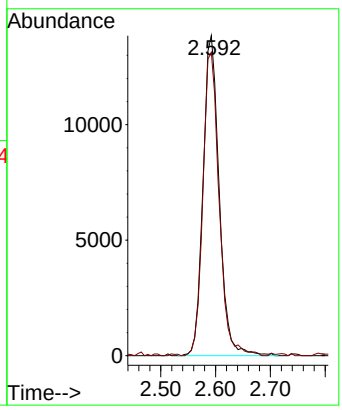




#5
Bromomethane
Concen: 19.212 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 94 Resp: 2829

Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
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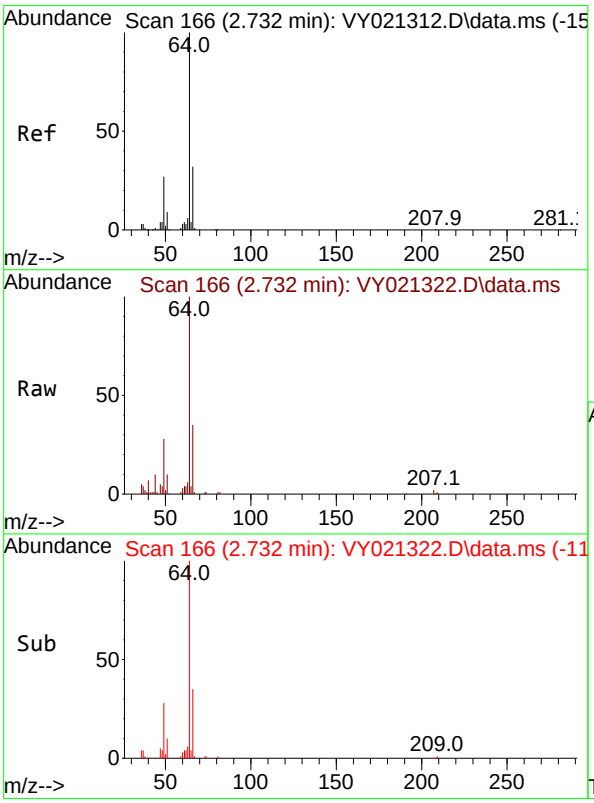
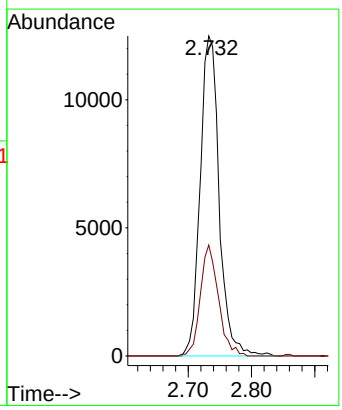
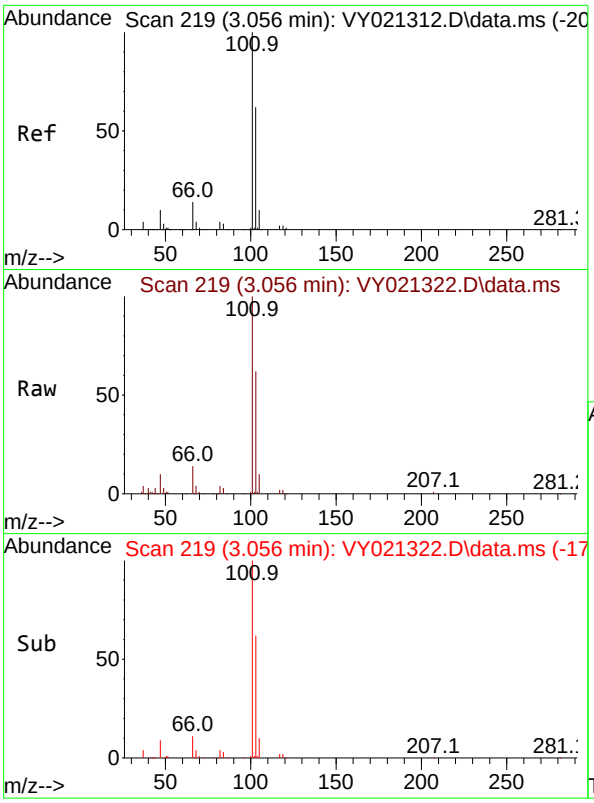


#6
Chloroethane
Concen: 19.007 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 64 Resp: 26124

Ion	Ratio	Lower	Upper
64	100		
66	34.6	25.4	38.0

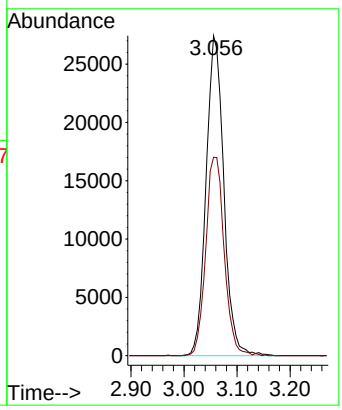




#7
Trichlorofluoromethane
Concen: 19.022 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:101 Resp: 6367

Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

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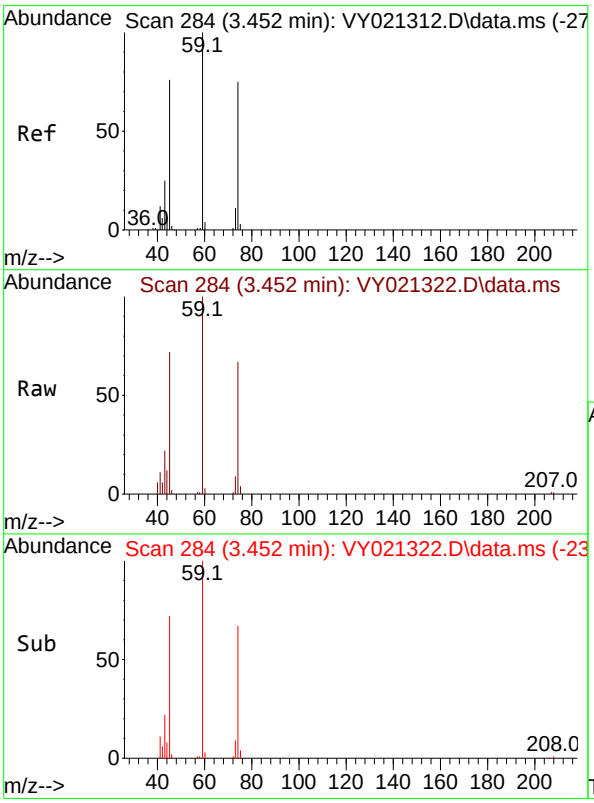
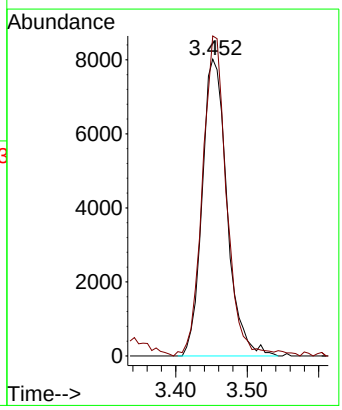
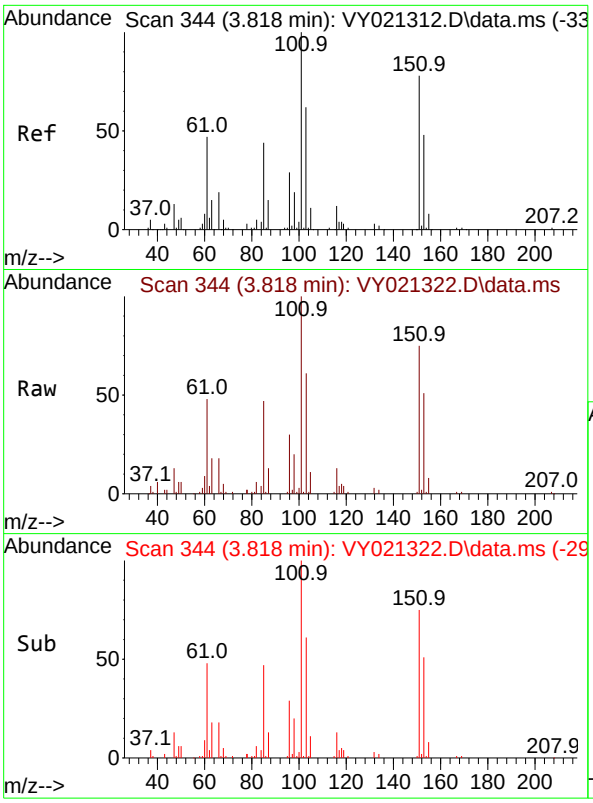


#8
Diethyl Ether
Concen: 19.245 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 74 Resp: 19334

Ion	Ratio	Lower	Upper
74	100		
45	104.1	50.3	150.9

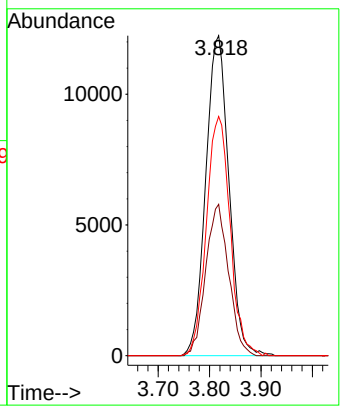




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.763 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:101 Resp: 3829

Ion	Ratio	Lower	Upper
101	100		
85	46.9	36.7	55.1
151	76.6	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

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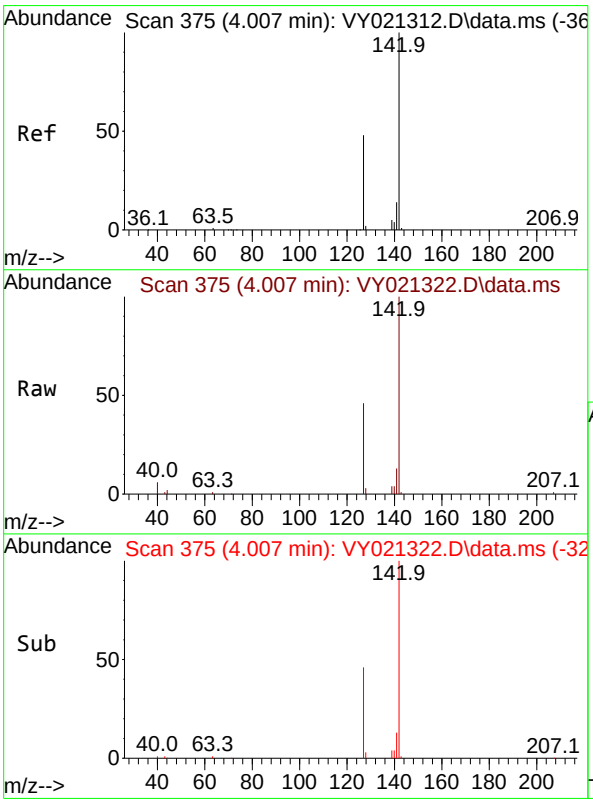
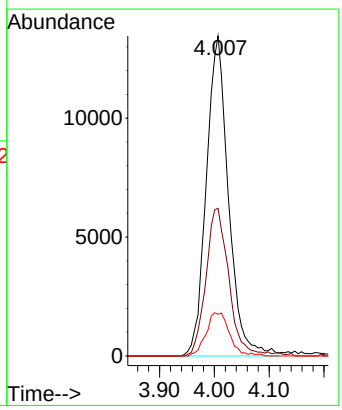
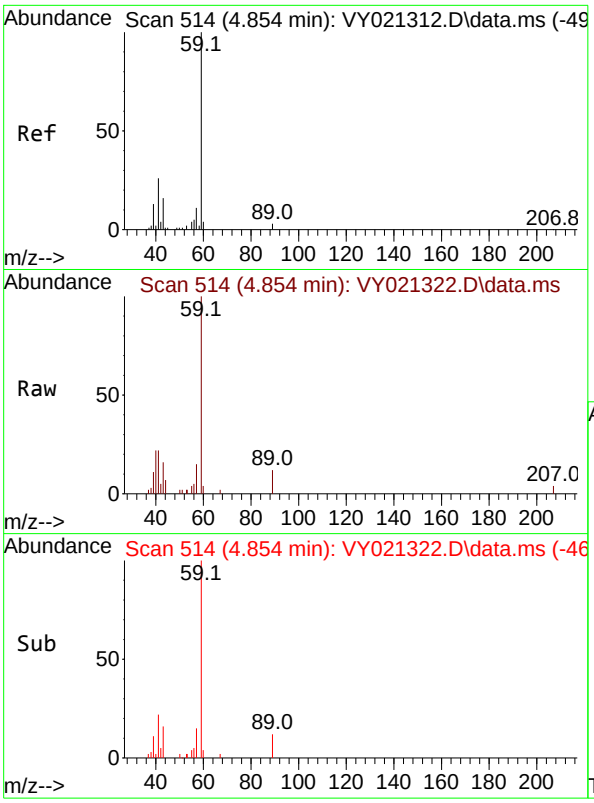


#10
Methyl Iodide
Concen: 18.516 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:142 Resp: 37750

Ion	Ratio	Lower	Upper
142	100		
127	47.7	39.2	58.8
141	14.3	11.4	17.2

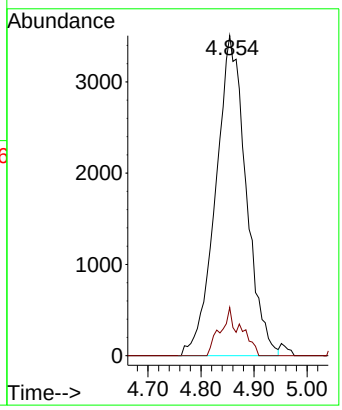




#11
Tert butyl alcohol
Concen: 86.641 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 59 Resp: 1394

Ion	Ratio	Lower	Upper
59	100		
57	6.7	8.3	12.5#



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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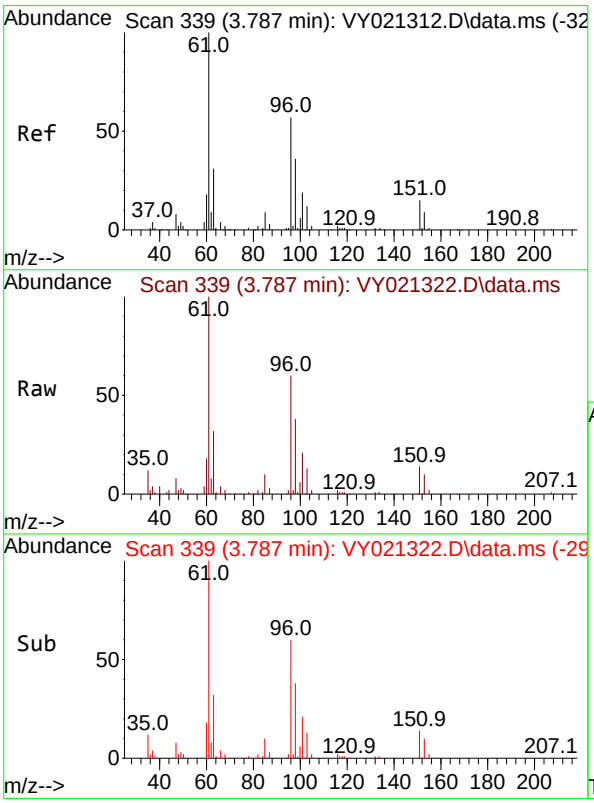
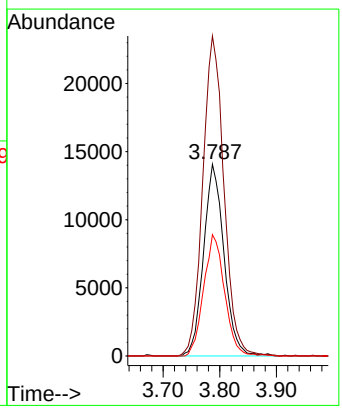
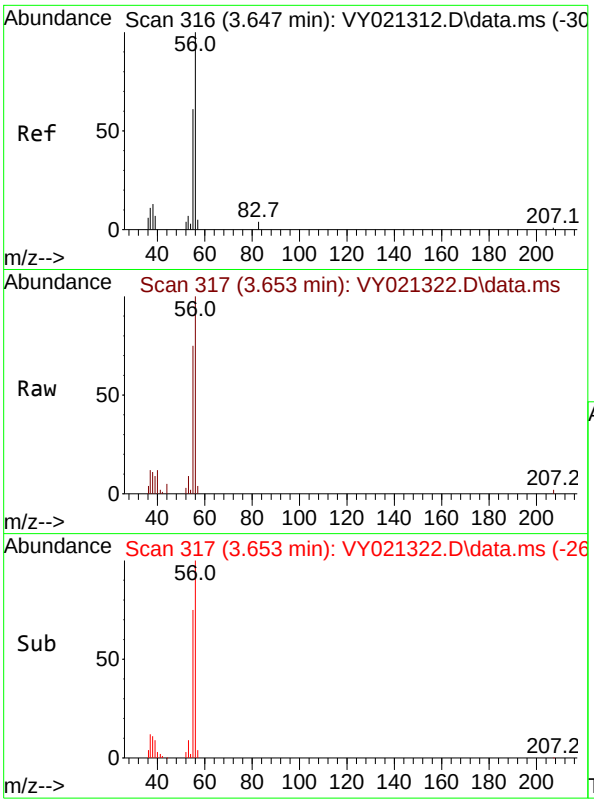


#12
1,1-Dichloroethene
Concen: 19.026 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 96 Resp: 35305

Ion	Ratio	Lower	Upper
96	100		
61	167.0	139.7	209.5
98	63.3	49.7	74.5

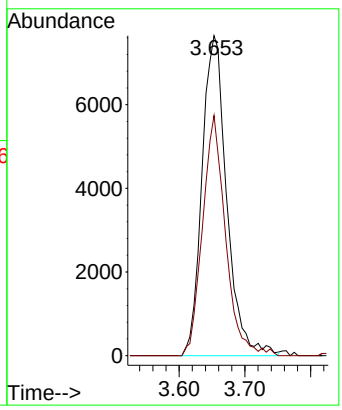




#13
Acrolein
Concen: 162.231 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 56 Resp: 2000

Ion	Ratio	Lower	Upper
56	100		
55	69.9	59.0	88.6



Instrument :
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ClientSampleId :
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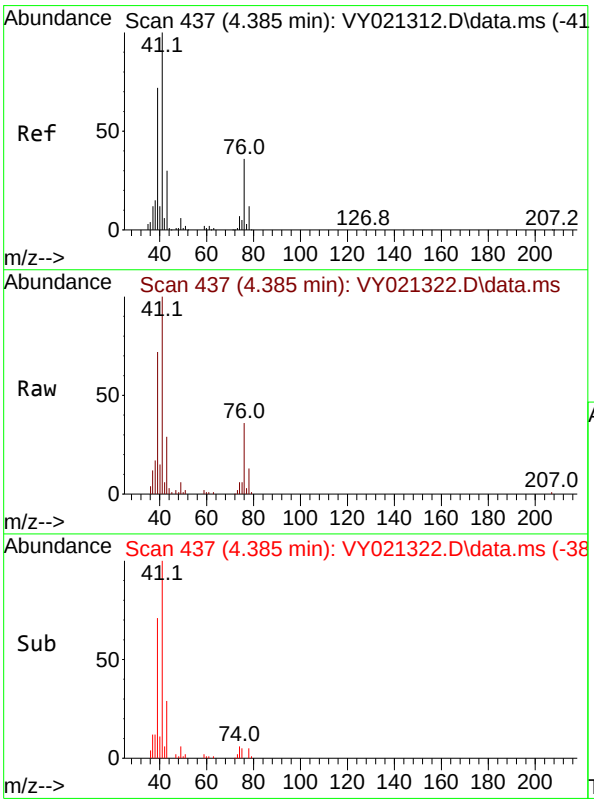
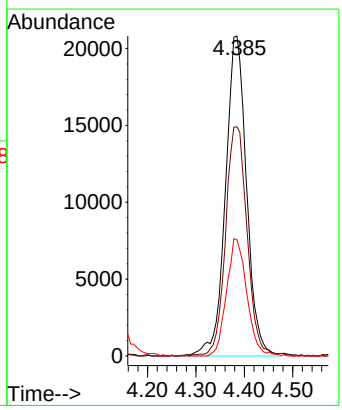
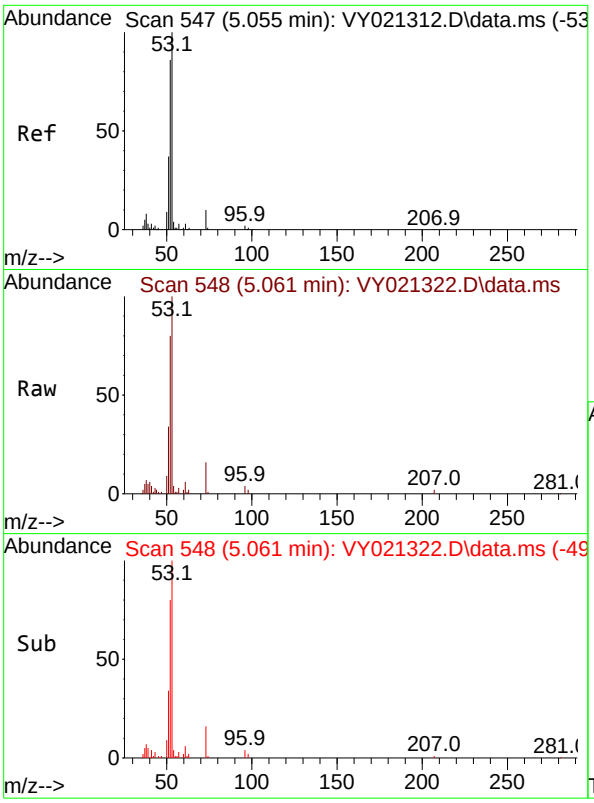


#14
Allyl chloride
Concen: 19.141 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 62973

Ion	Ratio	Lower	Upper
41	100		
39	73.4	60.0	90.0
76	35.3	29.0	43.6

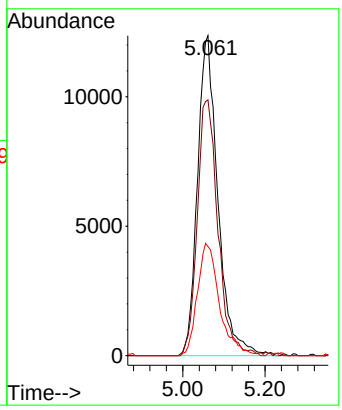




#15
Acrylonitrile
Concen: 95.903 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 53 Resp: 4259

Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.5	98.3
51	38.0	30.6	46.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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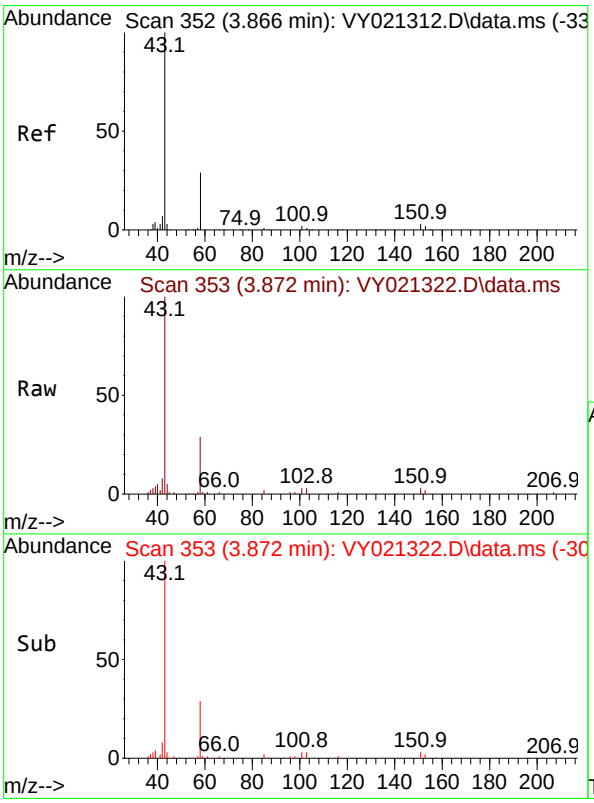
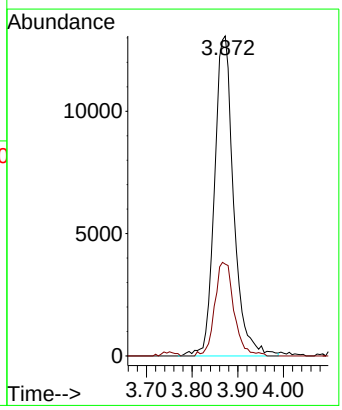
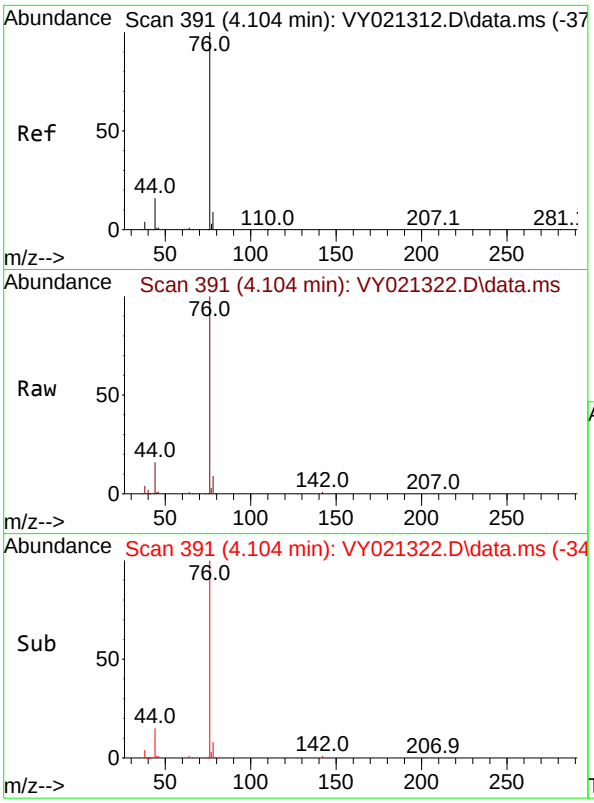


#16
Acetone
Concen: 94.873 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 38073

Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.5	35.3





#17
Carbon Disulfide
Concen: 18.619 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 76 Resp: 11472

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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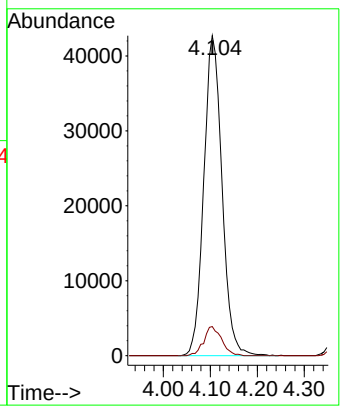
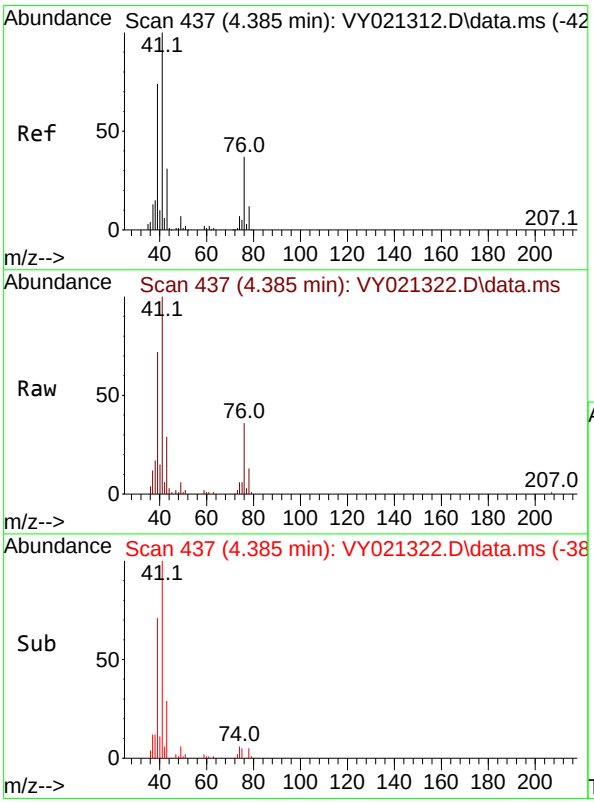
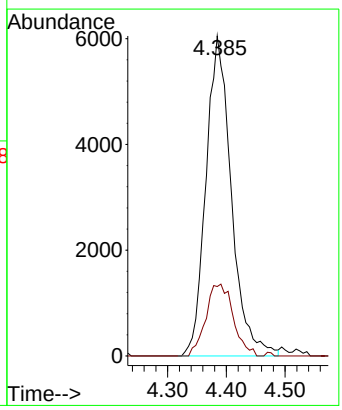


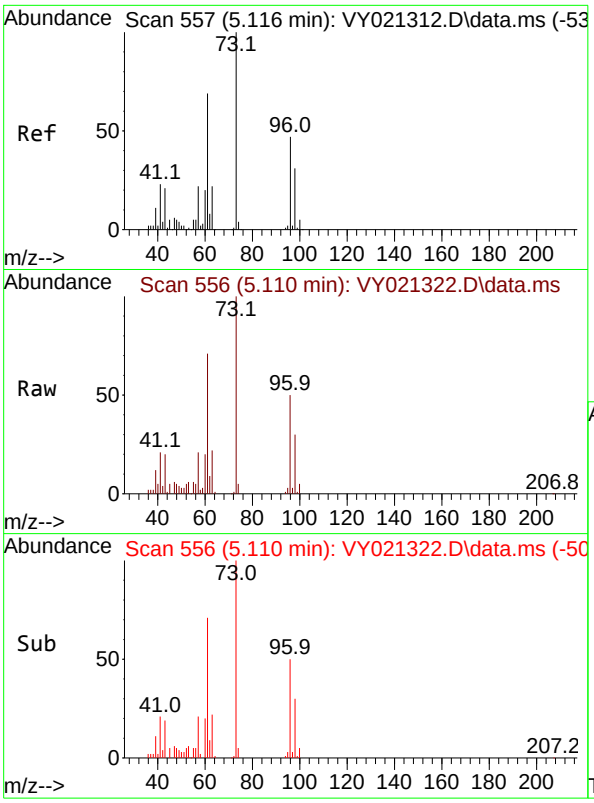


#18
Methyl Acetate
Concen: 18.509 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 18152

Ion	Ratio	Lower	Upper
43	100		
74	24.2	17.7	26.5

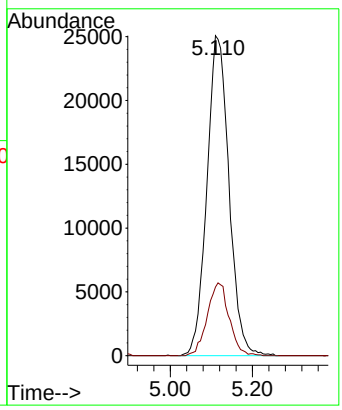




#19
Methyl tert-butyl Ether
Concen: 19.105 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 73 Resp: 9366

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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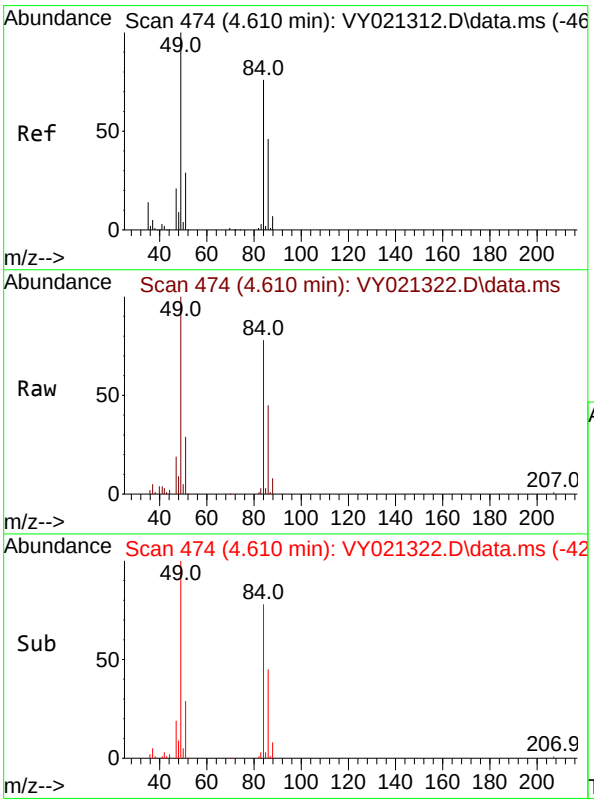
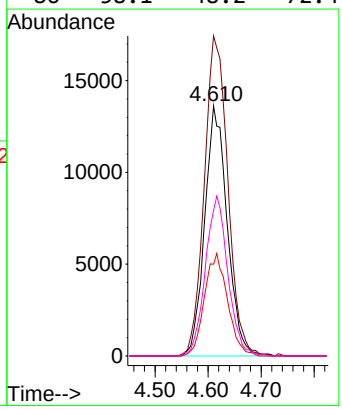
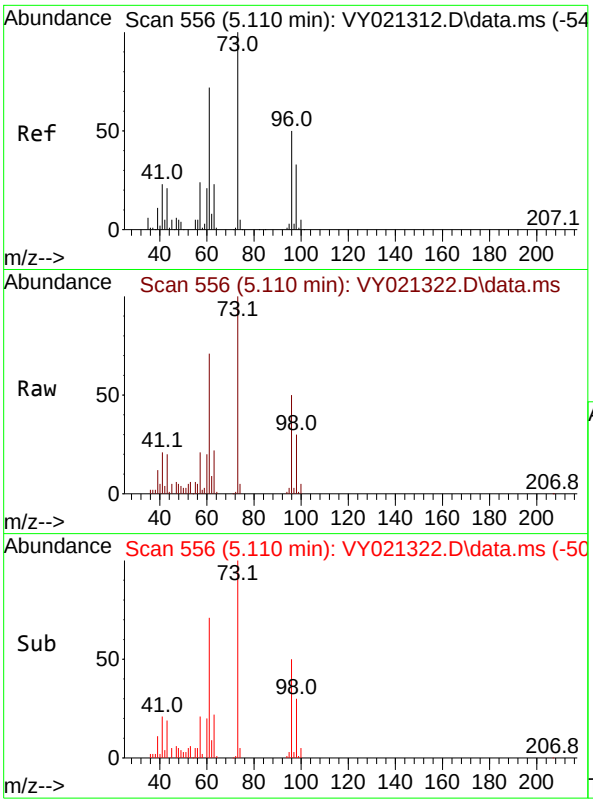


#20
Methylene Chloride
Concen: 18.488 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 84 Resp: 40120

Ion	Ratio	Lower	Upper
84	100		
49	128.0	105.1	157.7
51	36.7	31.0	46.4
86	58.1	48.2	72.4

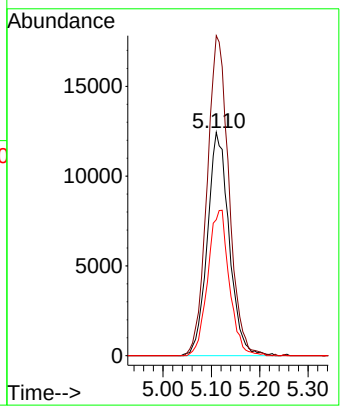




#21
trans-1,2-Dichloroethene
Concen: 19.029 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 96 Resp: 3887

Ion	Ratio	Lower	Upper
96	100		
61	143.3	116.3	174.5
98	60.9	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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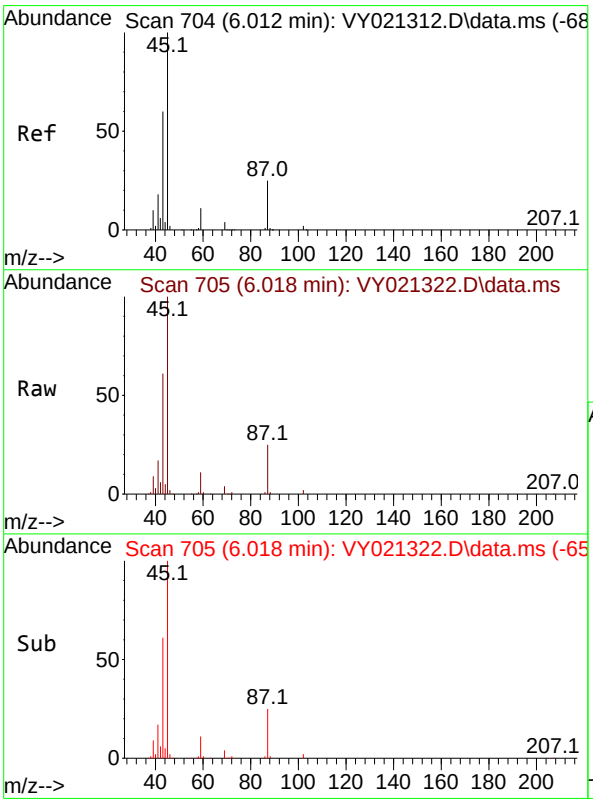
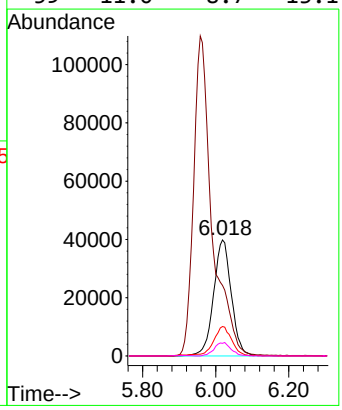
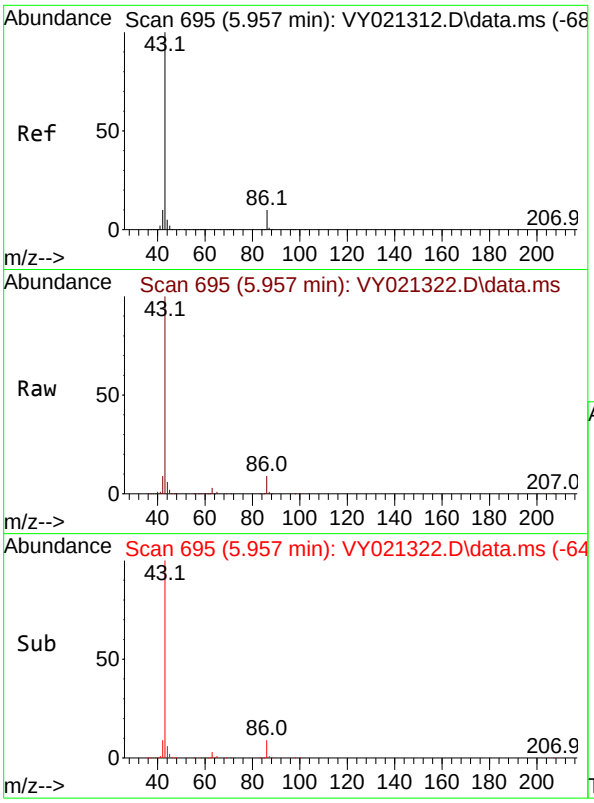


#22
Diisopropyl ether
Concen: 19.764 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 45 Resp: 134550

Ion	Ratio	Lower	Upper
45	100		
43	60.5	48.2	72.4
87	25.4	20.3	30.5
59	11.0	8.7	13.1

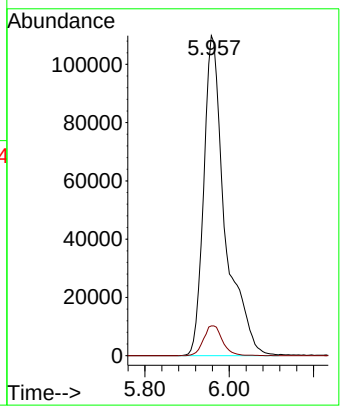




#23
Vinyl Acetate
Concen: 94.917 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 38614

Ion	Ratio	Lower	Upper
43	100		
86	9.3	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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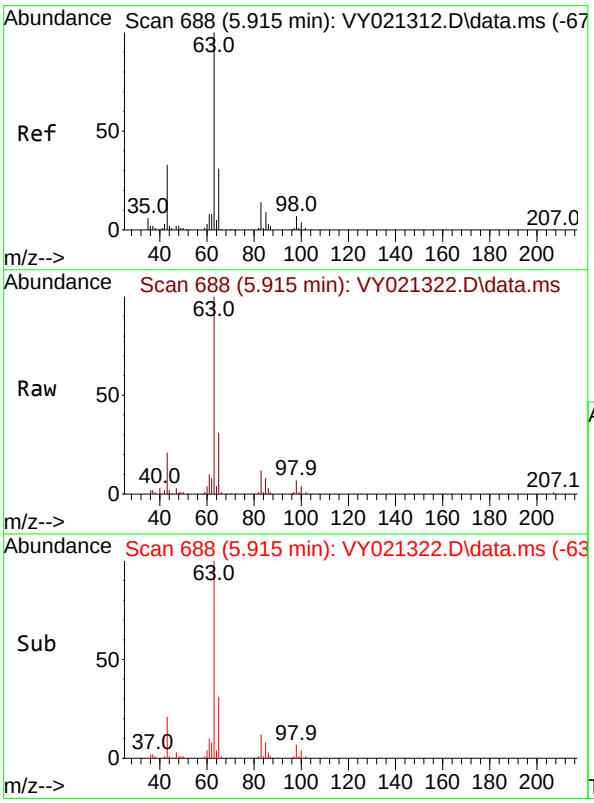
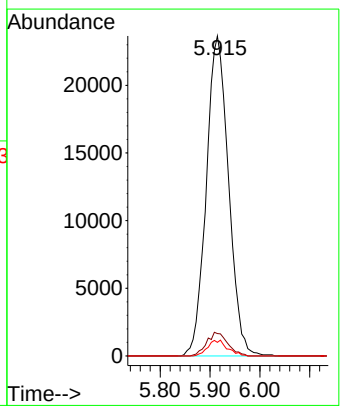
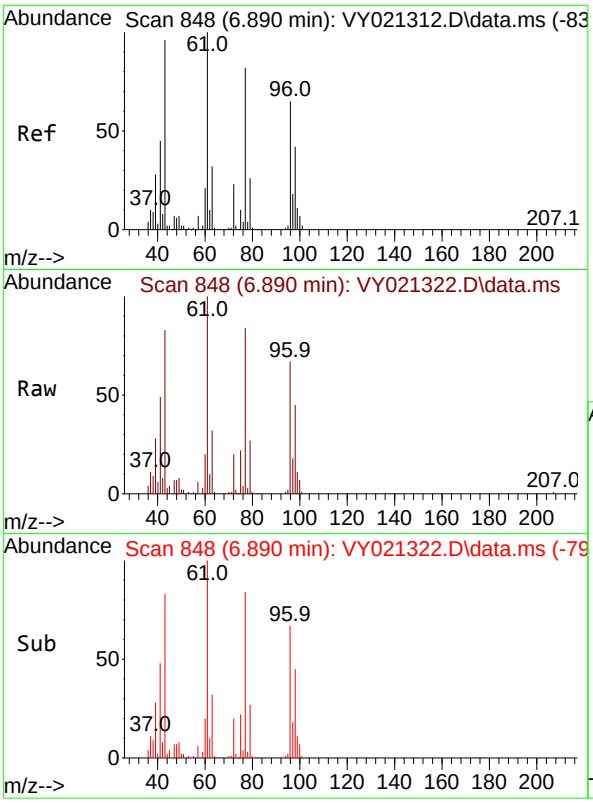


#24
1,1-Dichloroethane
Concen: 19.125 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 73384

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.7	11.1
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 92.910 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 5627

Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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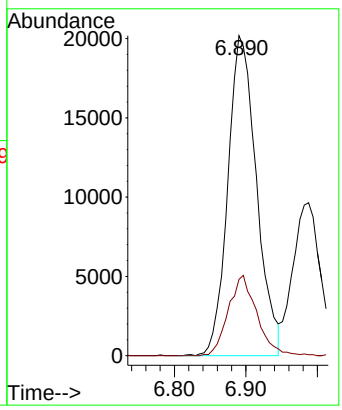
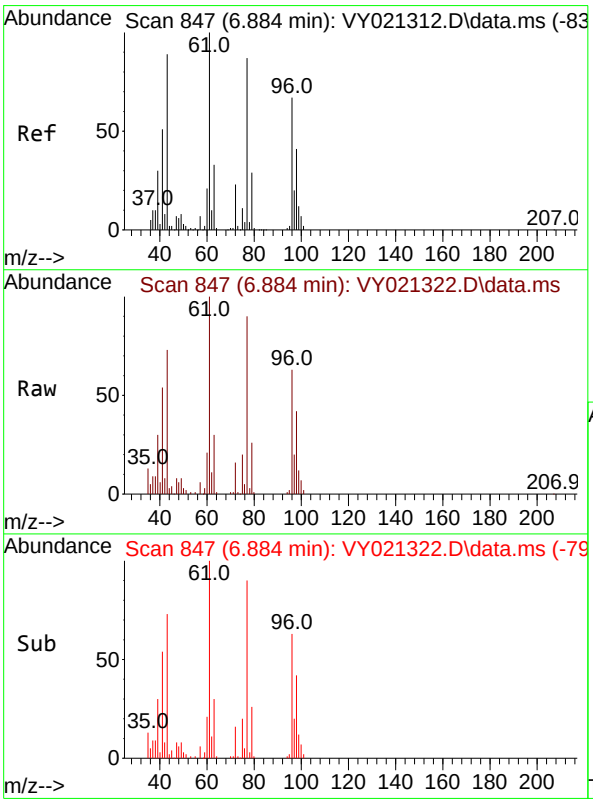
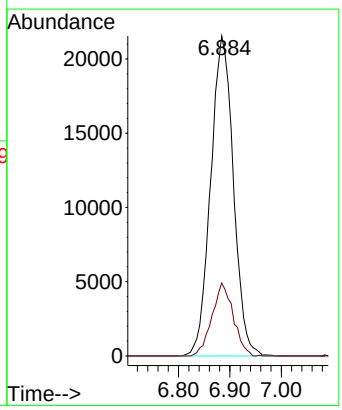


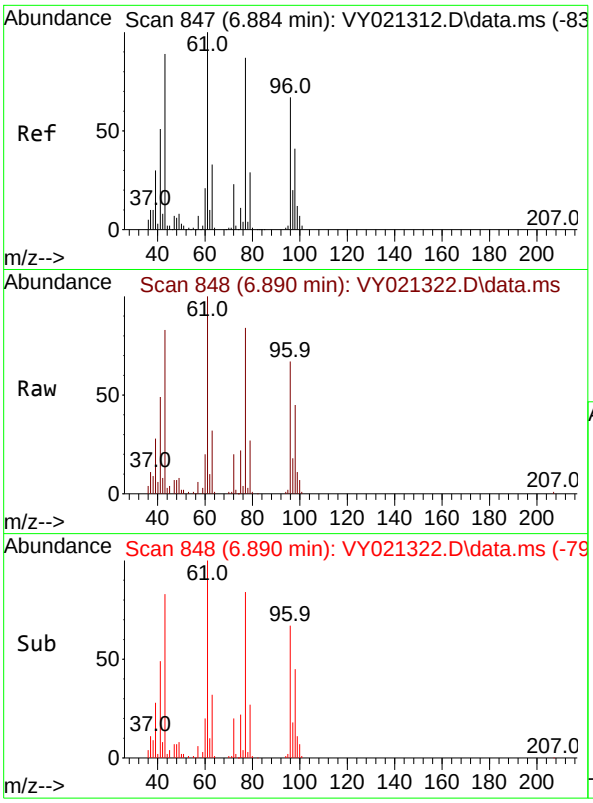


#26
2,2-Dichloropropane
Concen: 19.026 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 77 Resp: 66242

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.9	32.7

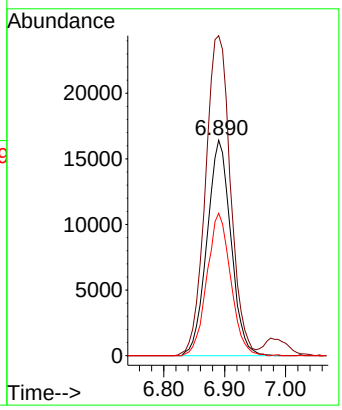




#27
cis-1,2-Dichloroethene
Concen: 19.204 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 96 Resp: 4479

Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	308.0
98	65.6	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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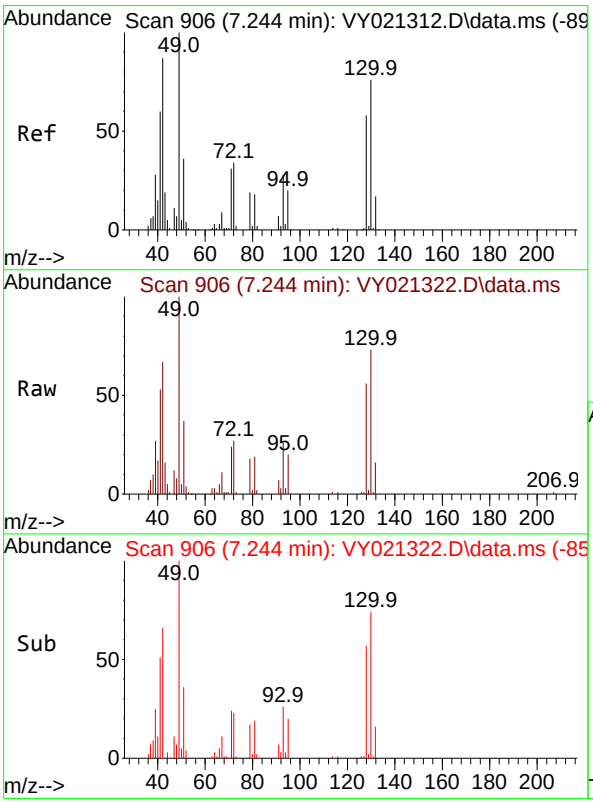
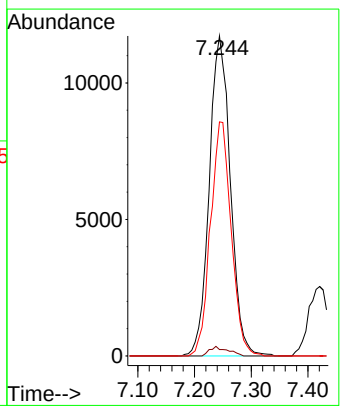
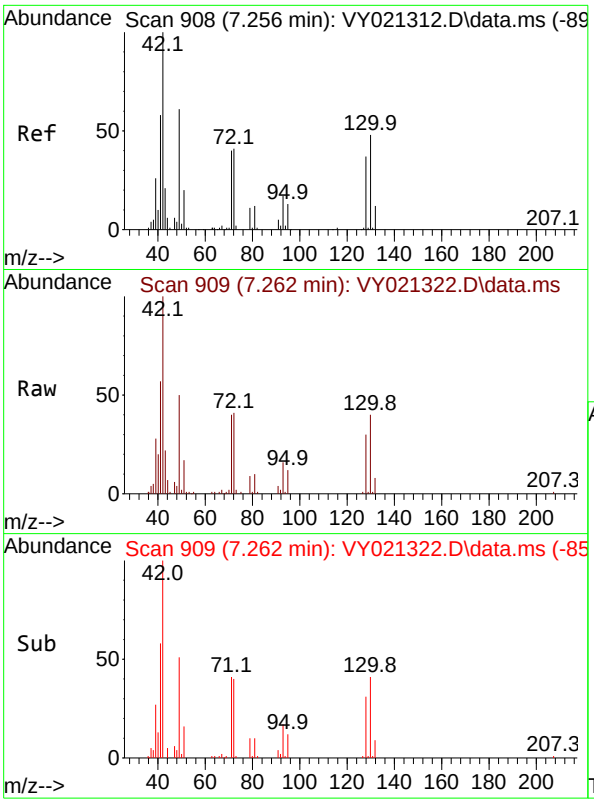


#28
Bromochloromethane
Concen: 17.864 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 49 Resp: 30330

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.0
130	71.7	57.8	86.6

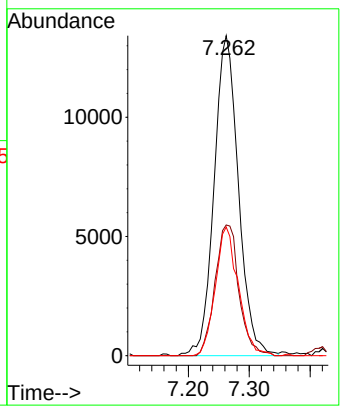




#29
Tetrahydrofuran
Concen: 94.152 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 42 Resp: 3727

Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.1	49.7
71	38.0	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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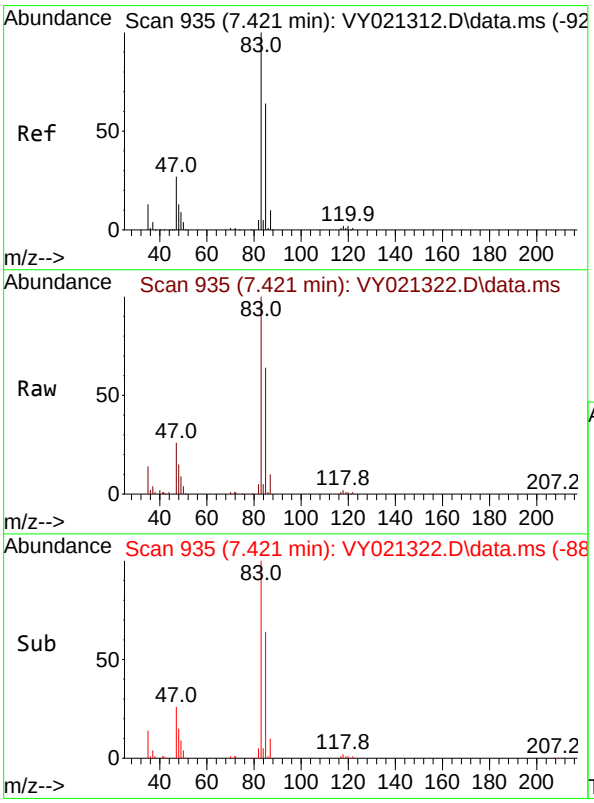
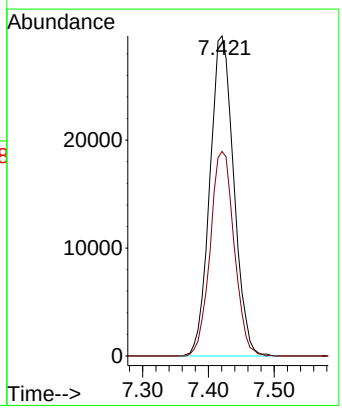
Supervised By :Mahesh Dadoda 02/27/2025

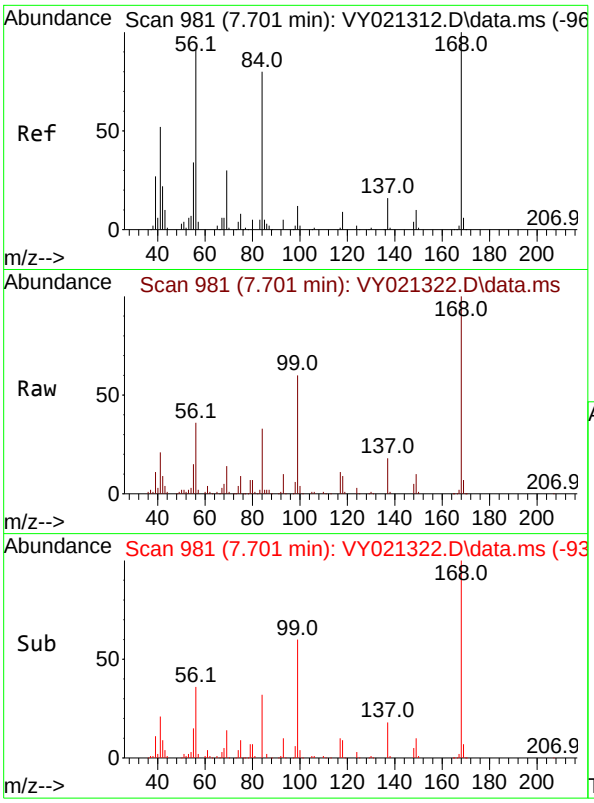


#30
Chloroform
Concen: 19.294 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 75017

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.6	77.4

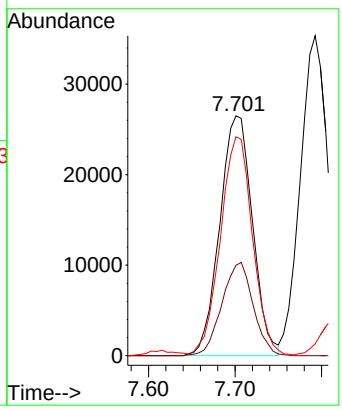




#31
Cyclohexane
Concen: 18.881 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 56 Resp: 6964

Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.2	39.4
84	90.1	70.2	105.4



Instrument :
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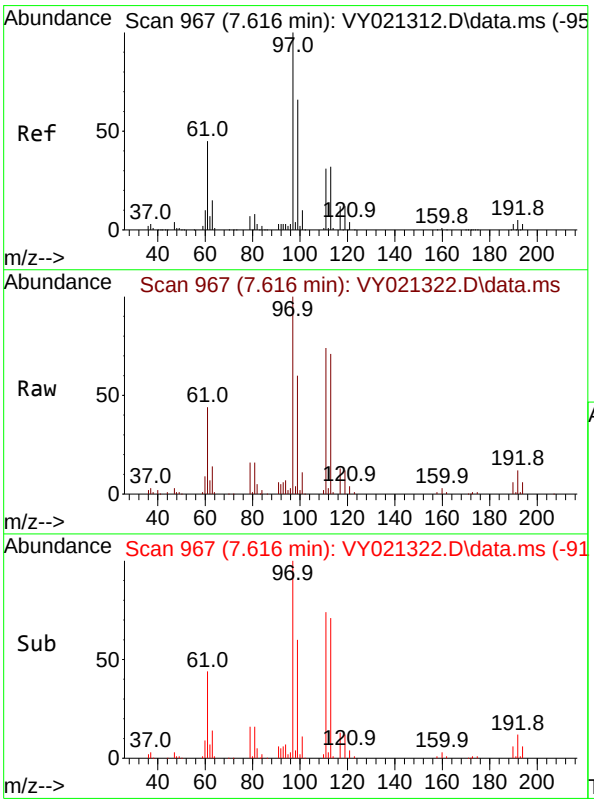
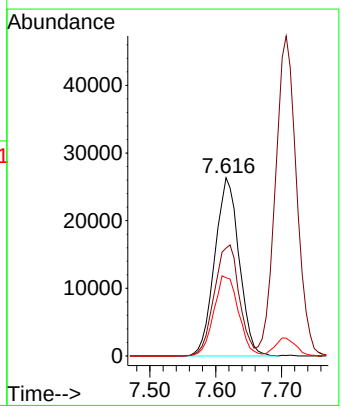
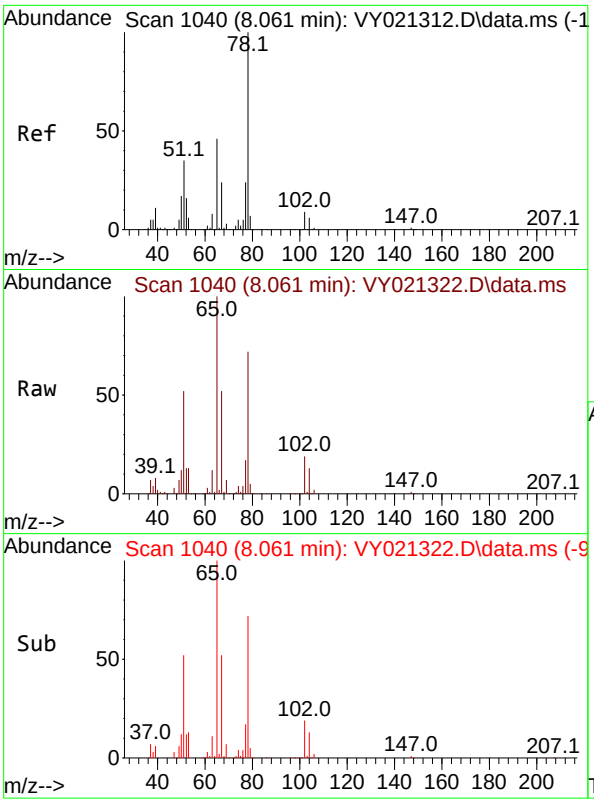


#32
1,1,1-Trichloroethane
Concen: 19.180 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 97 Resp: 67879

Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.4	78.6
61	45.6	36.2	54.2

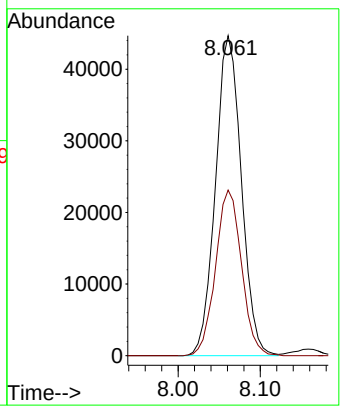




#33
1,2-Dichloroethane-d4
Concen: 46.693 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 65 Resp: 9768

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6



Instrument :
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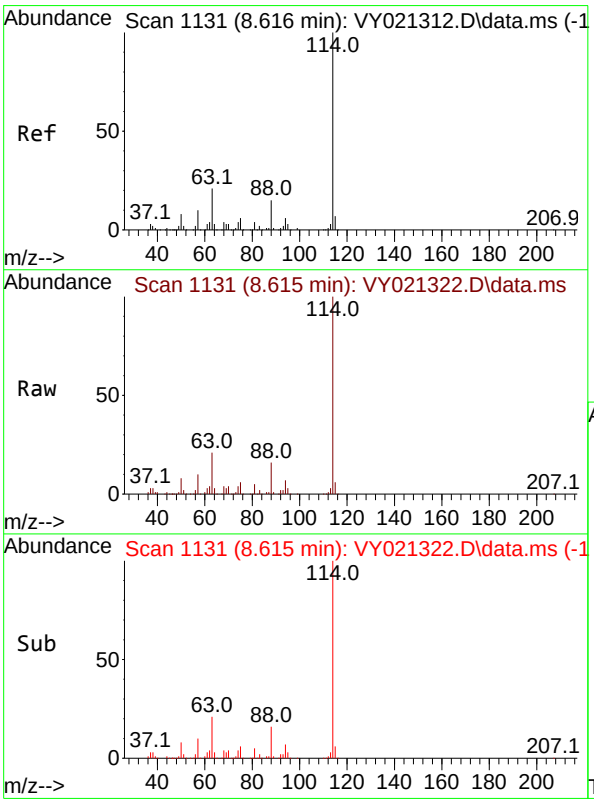
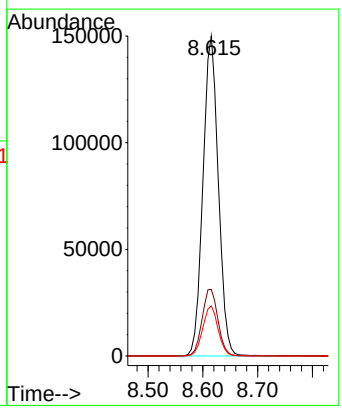
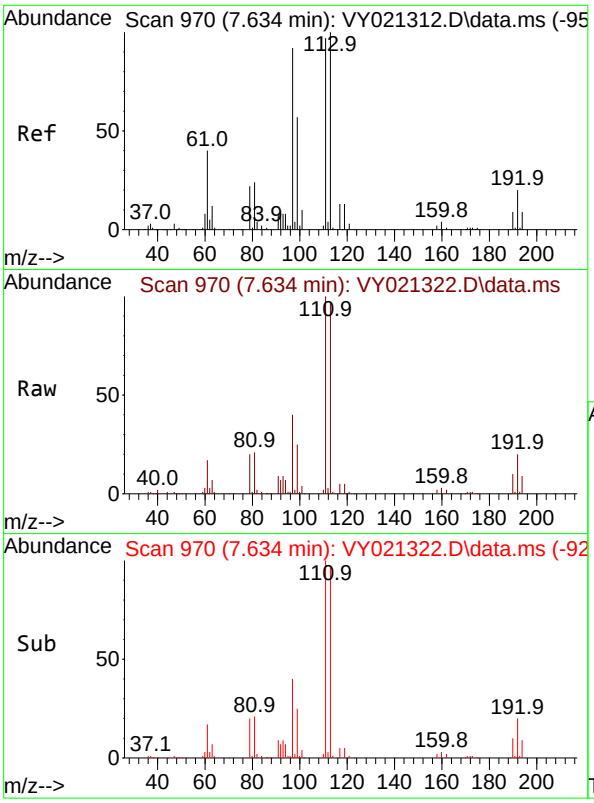


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:114 Resp: 291138

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.2
88	15.6	0.0	29.8

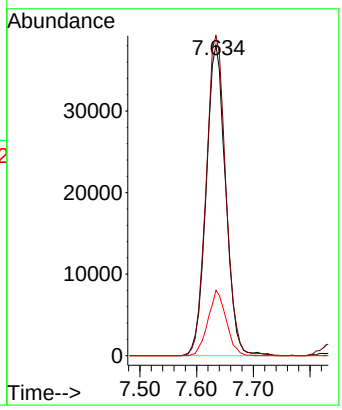




#35
Dibromofluoromethane
Concen: 47.410 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:113 Resp: 9049

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.0	121.6
192	19.8	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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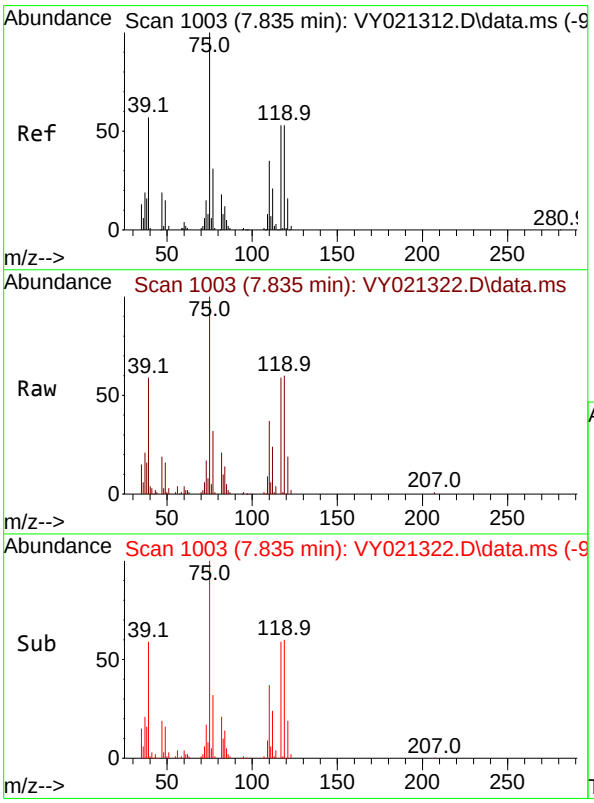
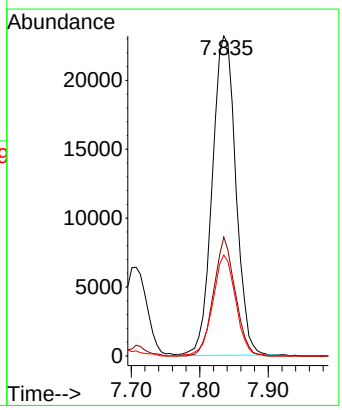
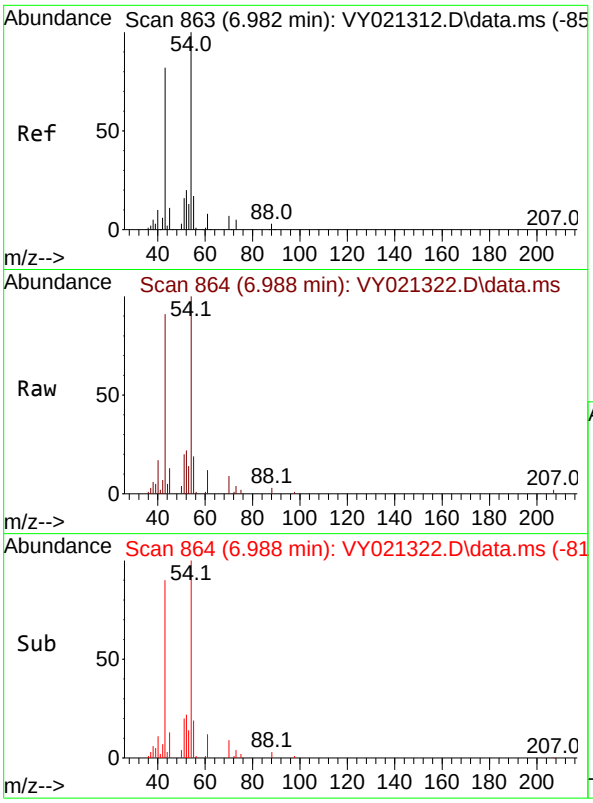


#36
1,1-Dichloropropene
Concen: 19.247 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 55184

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	30.8	24.6	36.8

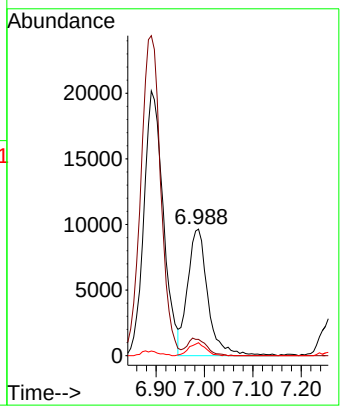




#37
Ethyl Acetate
Concen: 19.657 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 2803

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	8.5	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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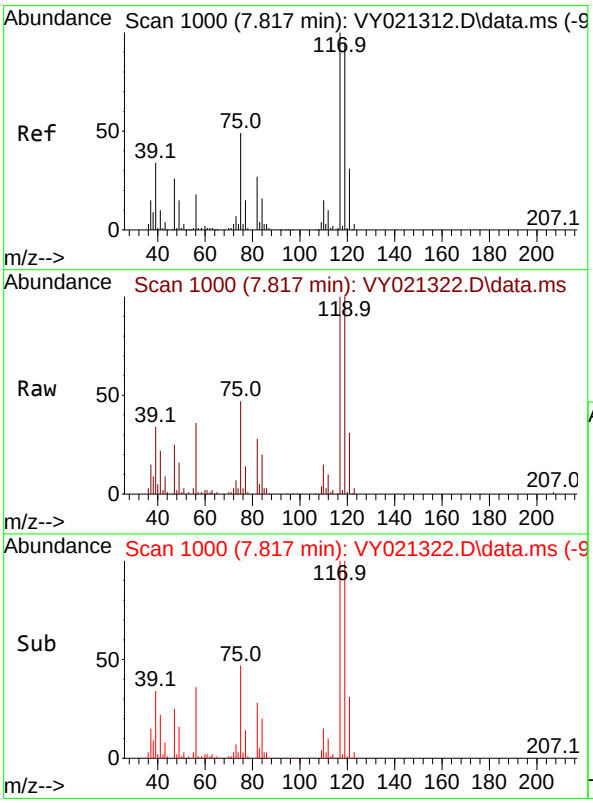
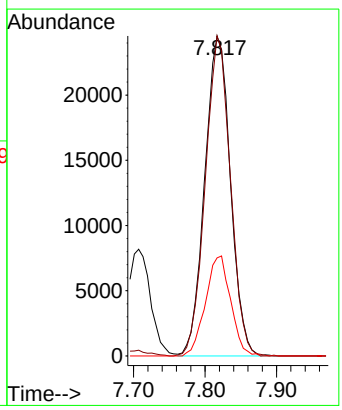
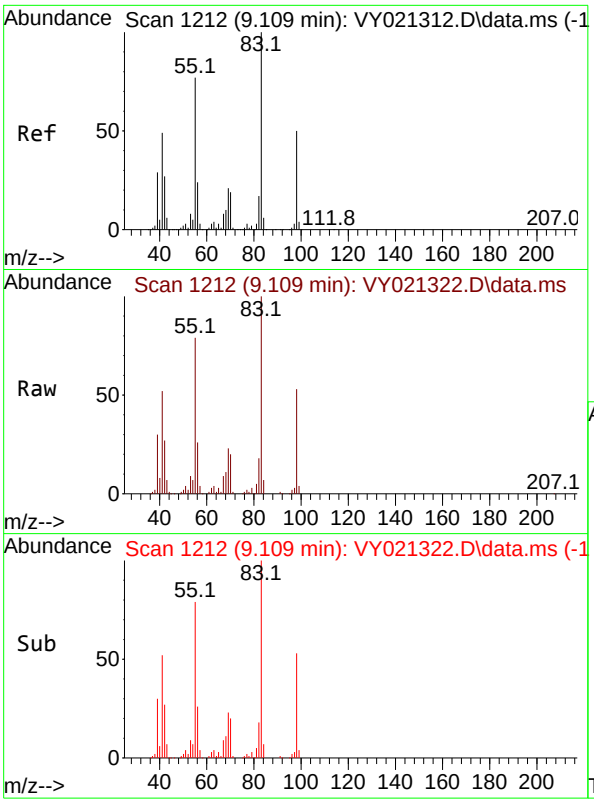


#38
Carbon Tetrachloride
Concen: 18.991 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 61214

Ion	Ratio	Lower	Upper
117	100		
119	100.1	76.0	114.0
121	30.7	24.9	37.3

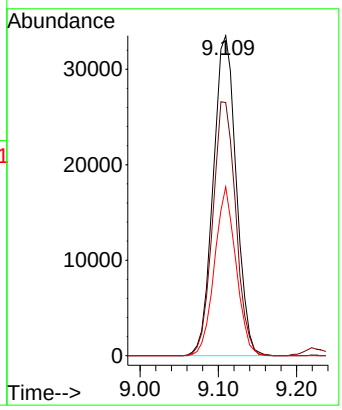




#39
Methylcyclohexane
Concen: 18.897 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 6852

Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.3	91.9
98	52.7	39.9	59.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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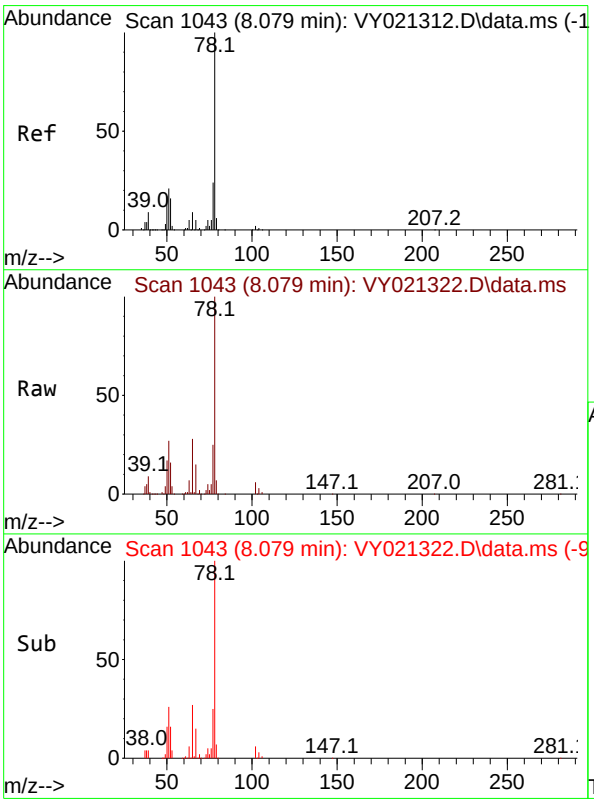
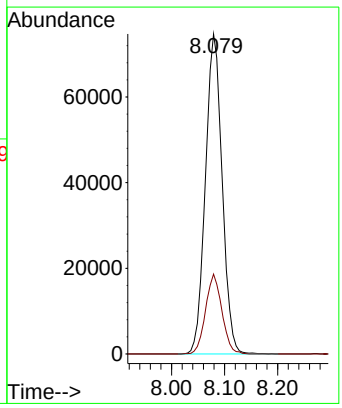
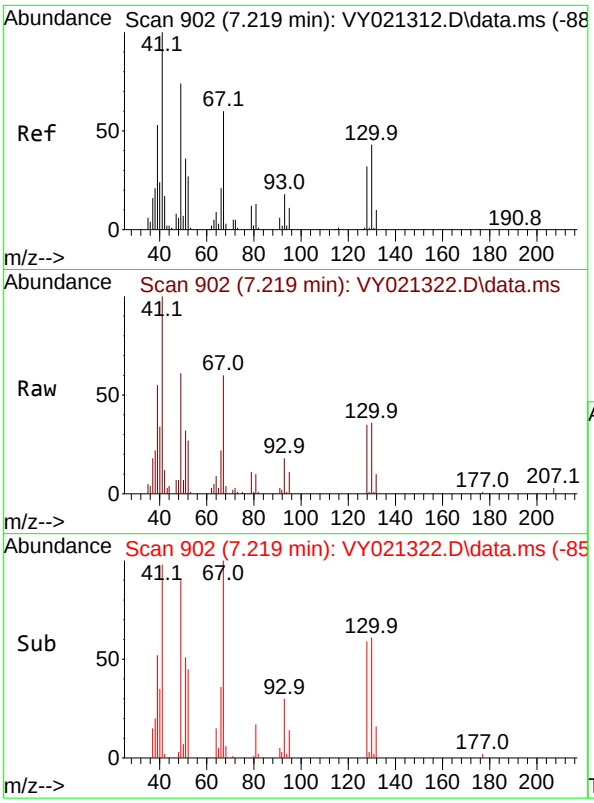


#40
Benzene
Concen: 19.308 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 78 Resp: 163641

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8

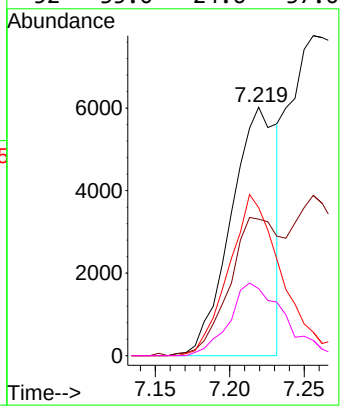




#41
Methacrylonitrile
Concen: 16.203 ug/l m
RT: 7.219 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 1292(

Ion	Ratio	Lower	Upper
41	100		
39	64.9	42.3	63.5#
67	74.9	54.8	82.2
52	35.0	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
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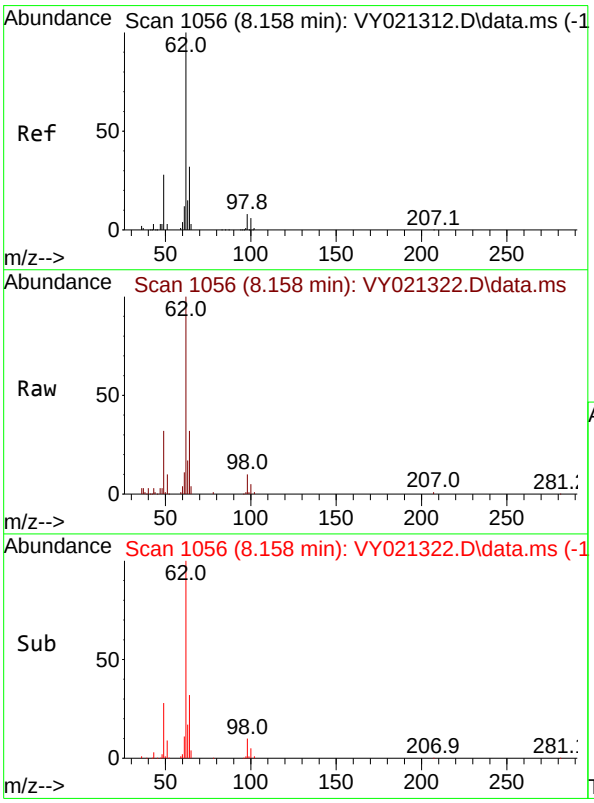
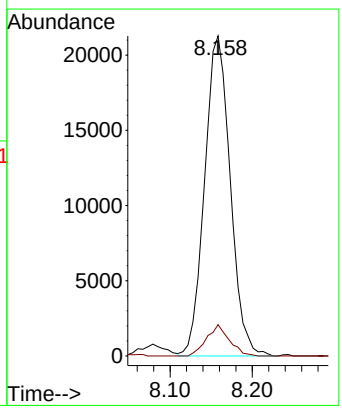
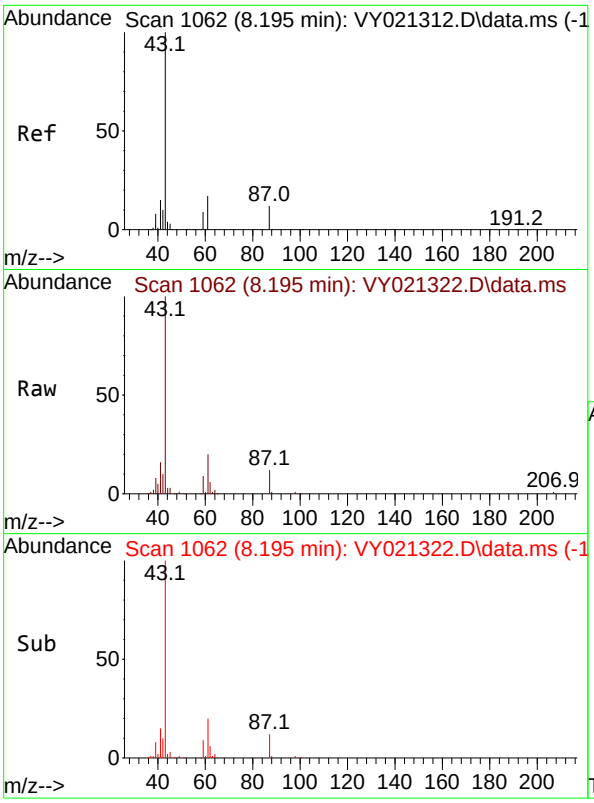


#42
1,2-Dichloroethane
Concen: 19.193 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 62 Resp: 46152

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6

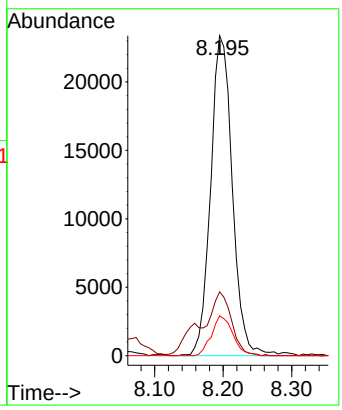




#43
Isopropyl Acetate
Concen: 18.626 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 5141

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.0	22.6
87	12.2	10.0	15.0



Instrument :
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ClientSampleId :
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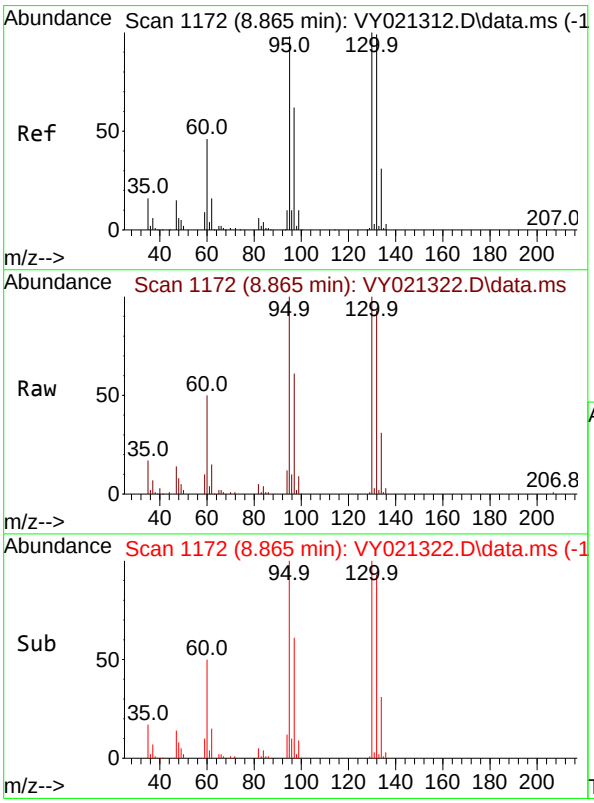
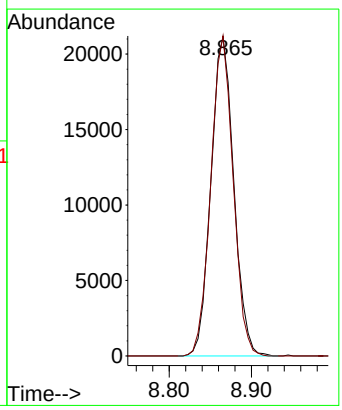
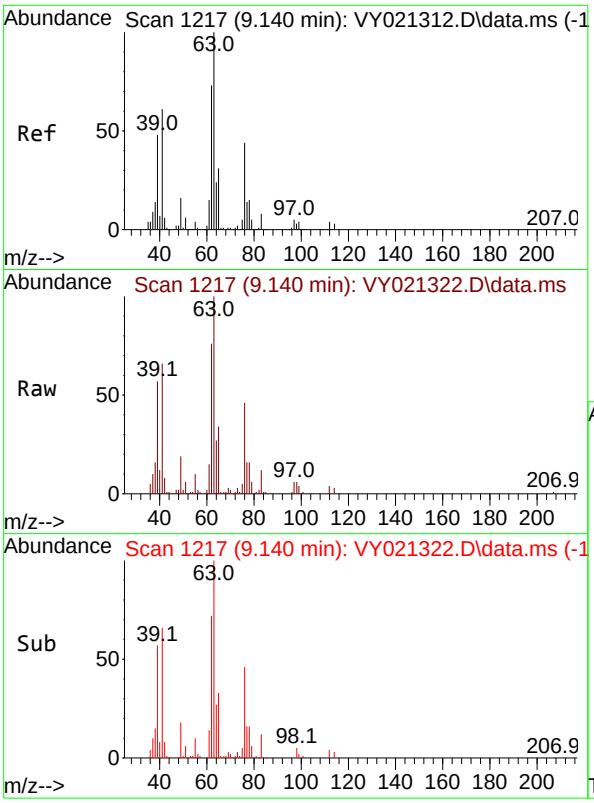


#44
Trichloroethene
Concen: 19.214 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:130 Resp: 40770

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	196.0

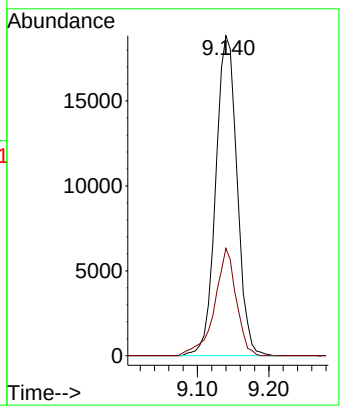




#45
1,2-Dichloropropane
Concen: 19.139 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 3903

Ion	Ratio	Lower	Upper
63	100		
65	33.5	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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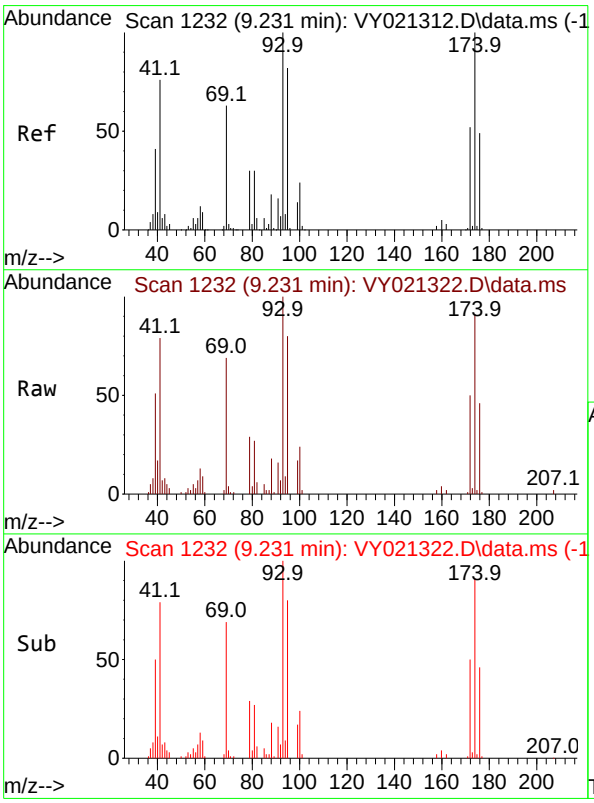
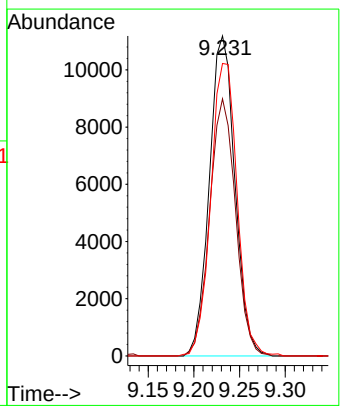
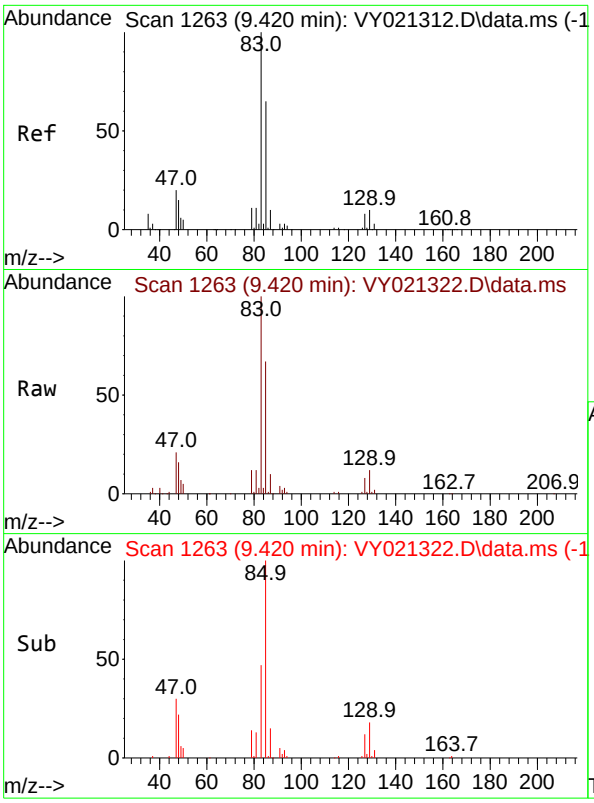


#46
Dibromomethane
Concen: 19.549 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 93 Resp: 21795

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.4	99.6
174	94.2	78.2	117.2

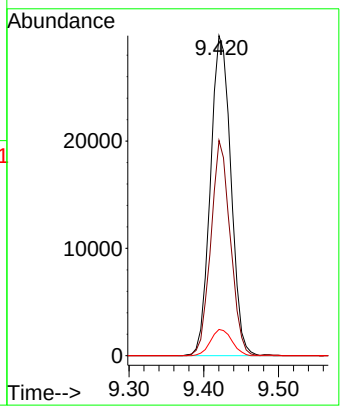




#47
Bromodichloromethane
Concen: 19.056 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 5665

Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.8	77.8
127	8.2	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
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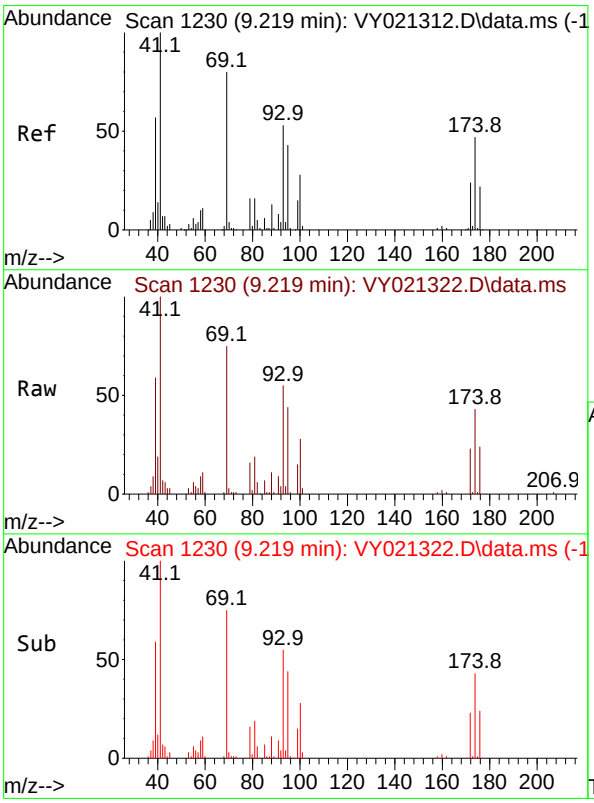
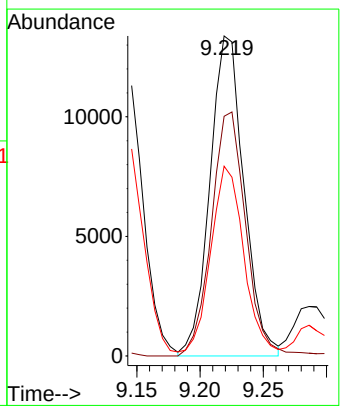
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

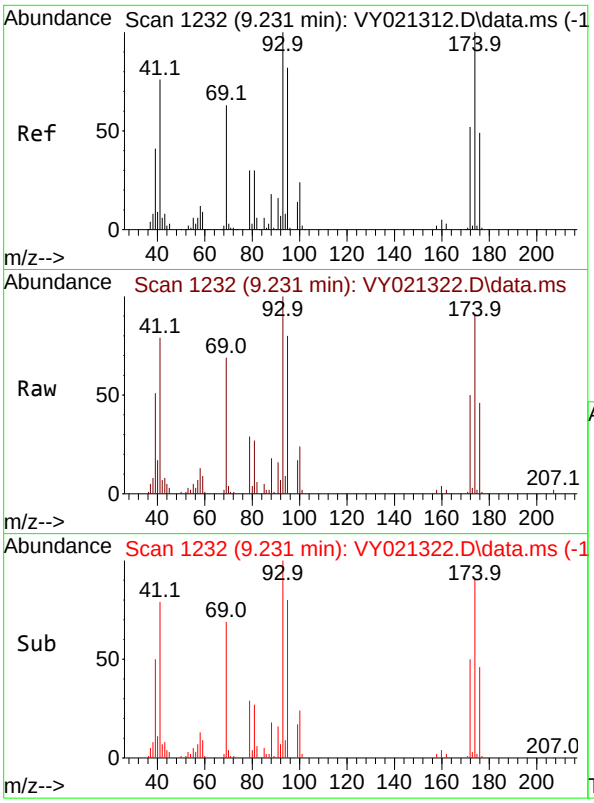


#48
Methyl methacrylate
Concen: 19.377 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 25014

Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.3	94.9
39	55.5	45.0	67.6

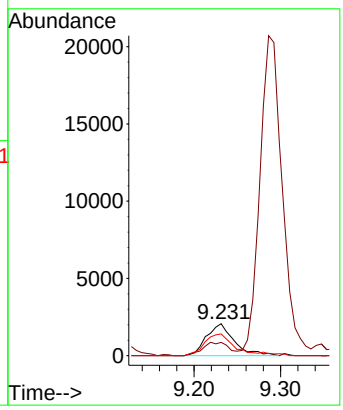




#49
1,4-Dioxane
Concen: 369.128 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 88 Resp: 457

Ion	Ratio	Lower	Upper
88	100		
43	40.2	34.8	52.2
58	76.9	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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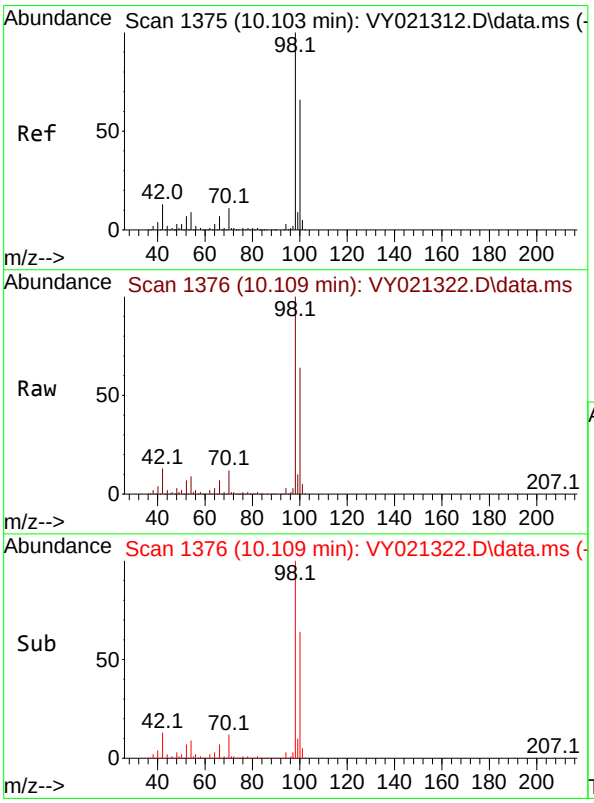
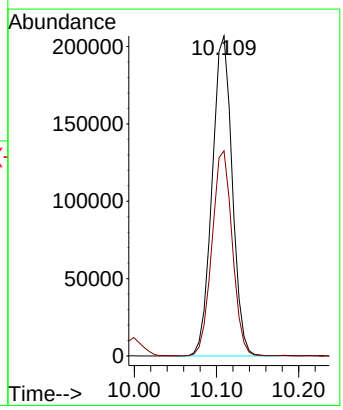
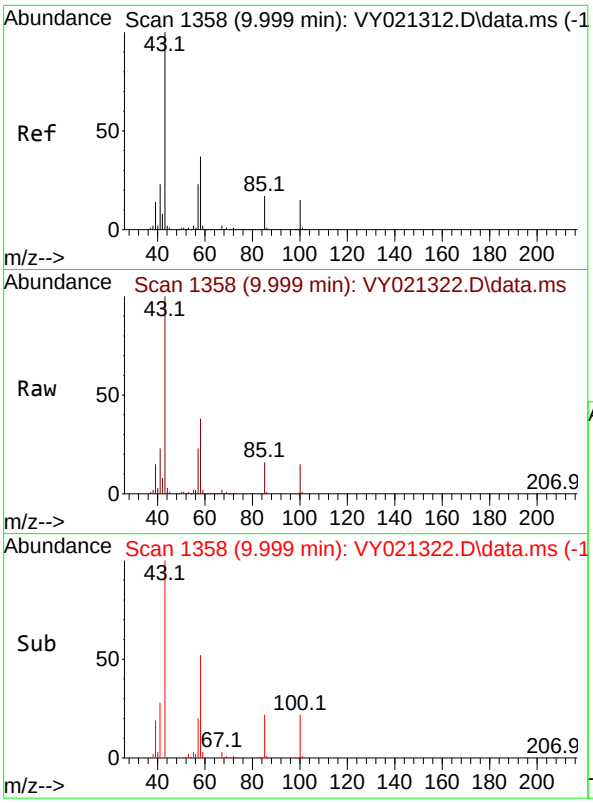


#50
Toluene-d8
Concen: 47.609 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 98 Resp: 351200

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6

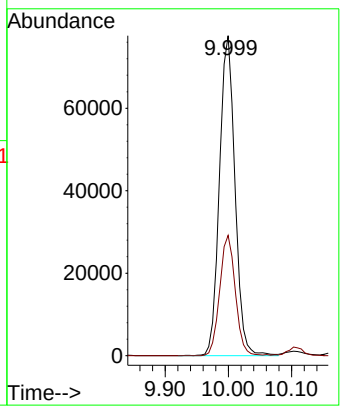




#51
4-Methyl-2-Pentanone
Concen: 93.298 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 13183

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.1	45.1



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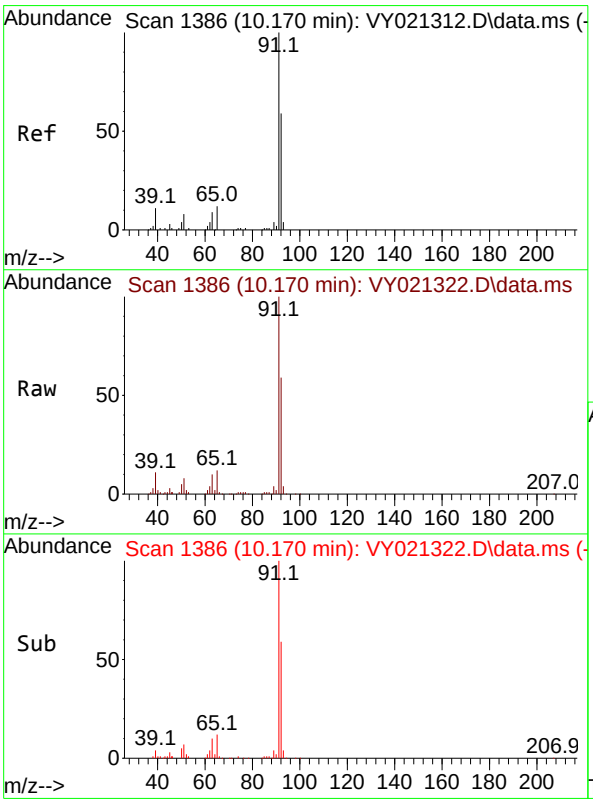
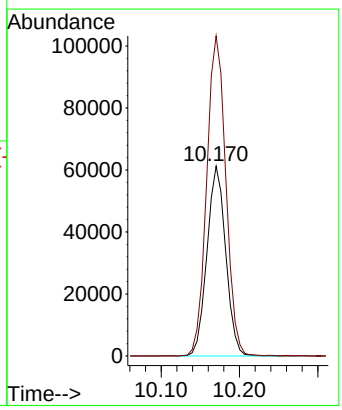
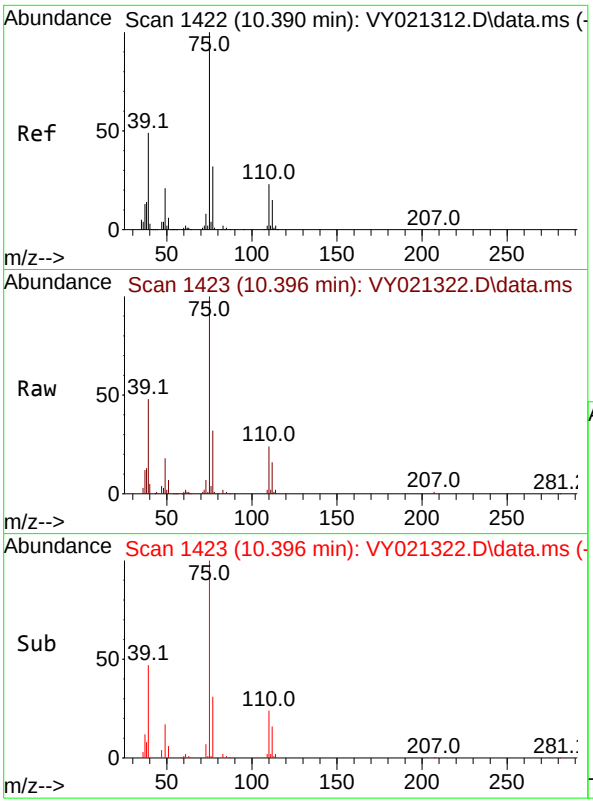


#52
Toluene
Concen: 19.255 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 92 Resp: 101381

Ion	Ratio	Lower	Upper
92	100		
91	172.7	137.8	206.8

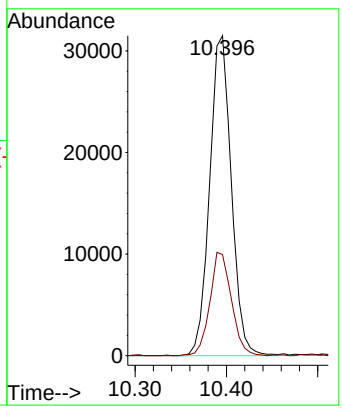




#53
t-1,3-Dichloropropene
Concen: 19.034 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 5184

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9



Instrument :
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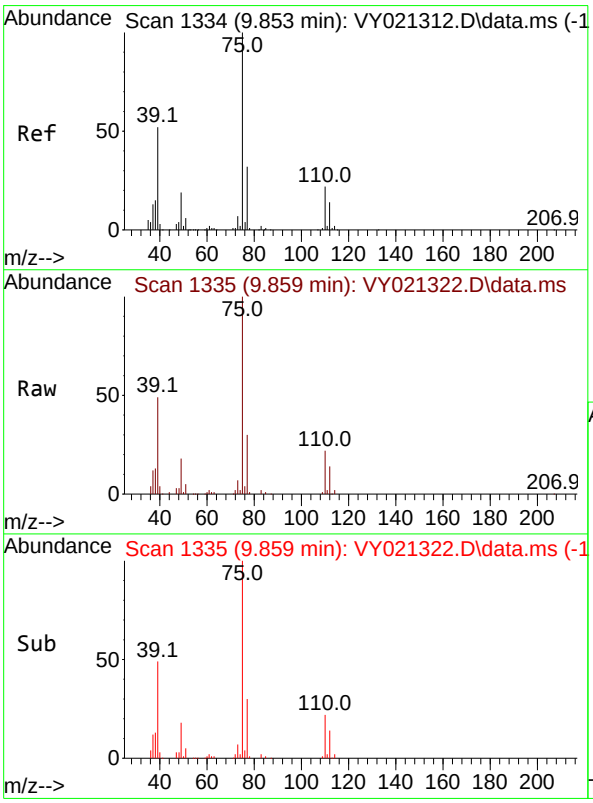
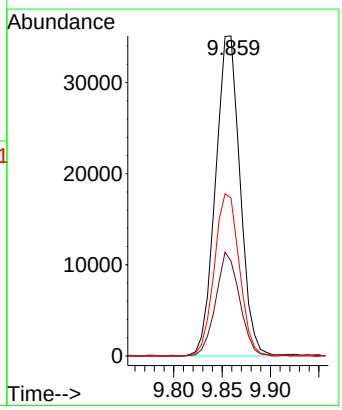
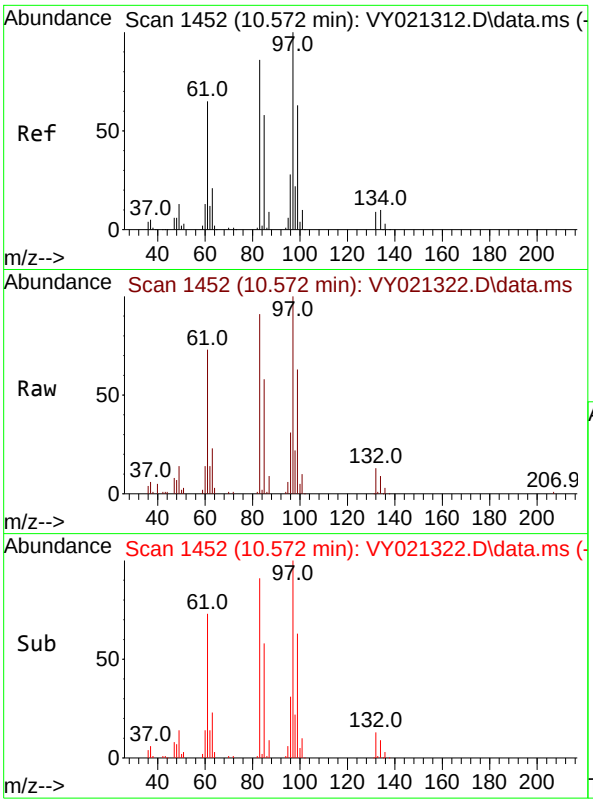


#54
cis-1,3-Dichloropropene
Concen: 19.278 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 61986

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.7	38.5
39	49.4	41.8	62.6

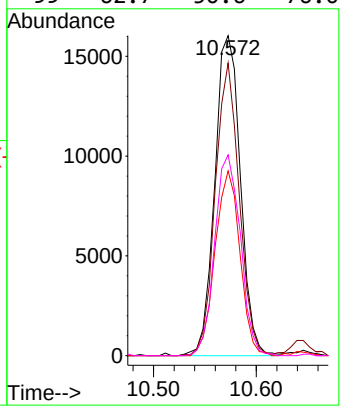




#55
1,1,2-Trichloroethane
Concen: 19.099 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 97 Resp: 2774

Ion	Ratio	Lower	Upper
97	100		
83	91.5	68.7	103.1
85	57.8	46.3	69.5
99	62.7	50.6	76.0



Instrument :
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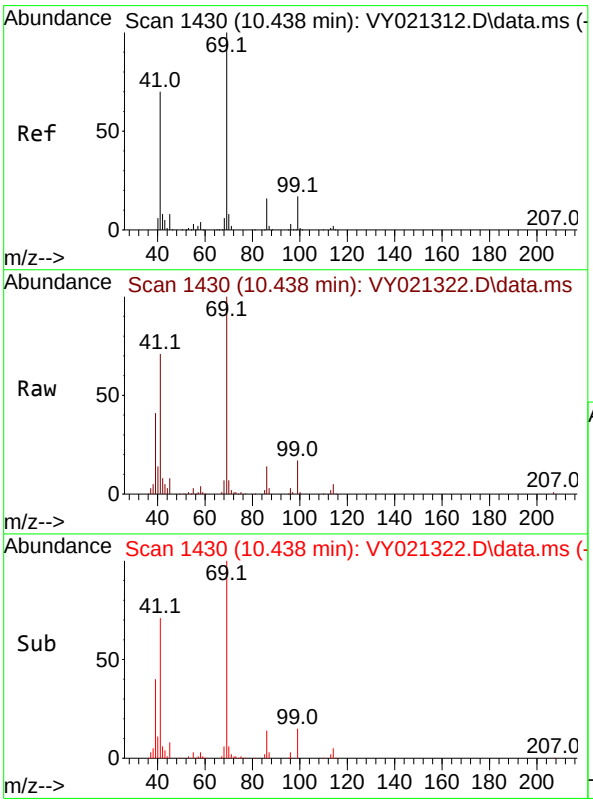
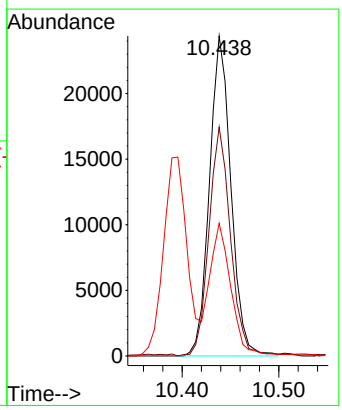
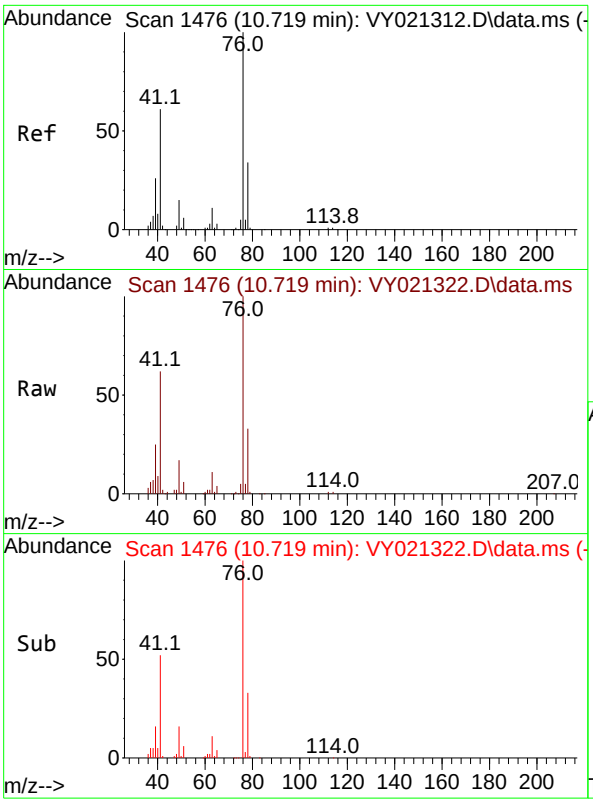


#56
Ethyl methacrylate
Concen: 18.751 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 69 Resp: 37632

Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.2	84.4
39	40.8	32.7	49.1

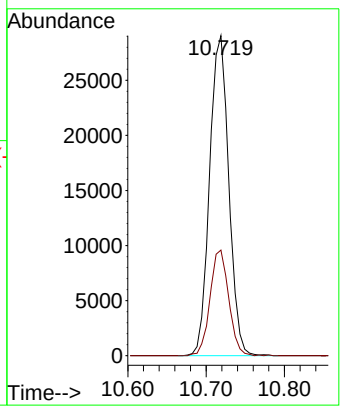




#57
1,3-Dichloropropane
Concen: 19.380 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 76 Resp: 4939

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
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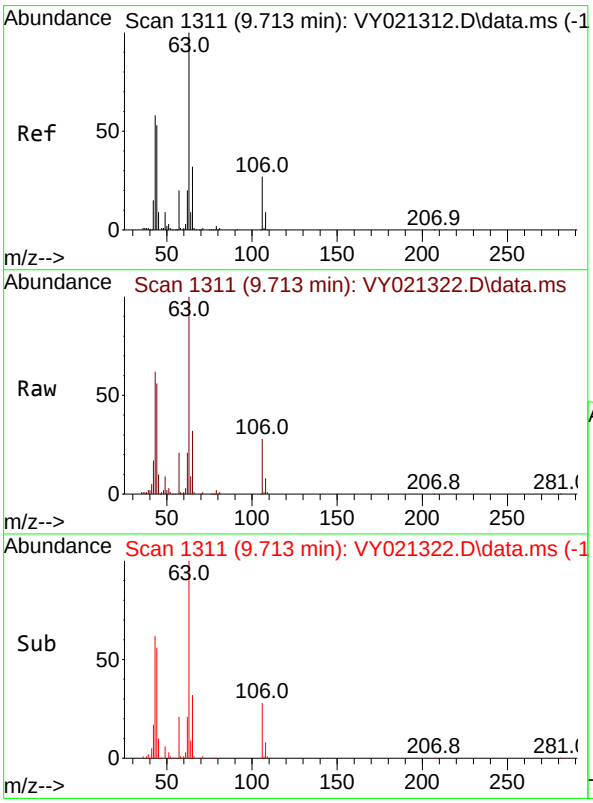
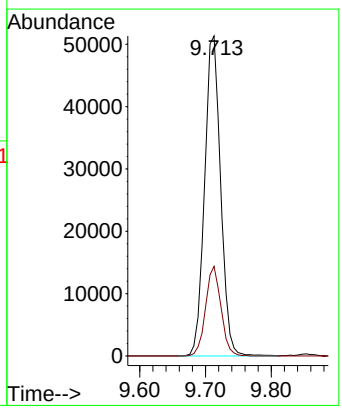
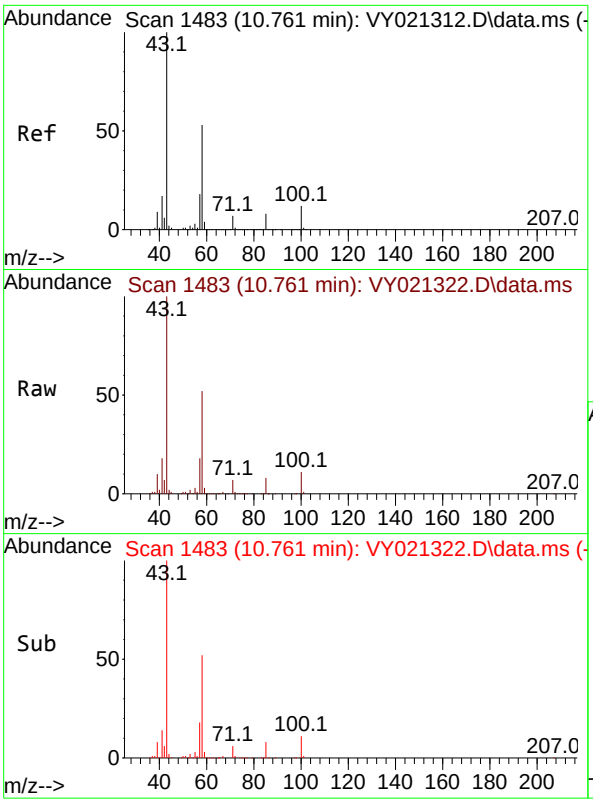


#58
2-Chloroethyl Vinyl ether
Concen: 90.414 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 87093

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5





#59
2-Hexanone
Concen: 93.755 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 8700

Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.9	77.6

Instrument :
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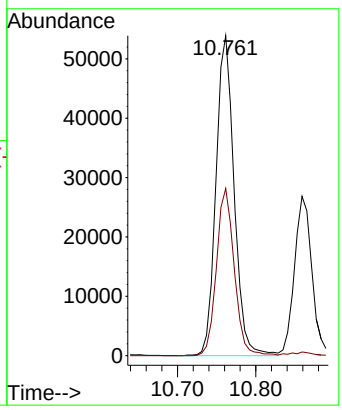
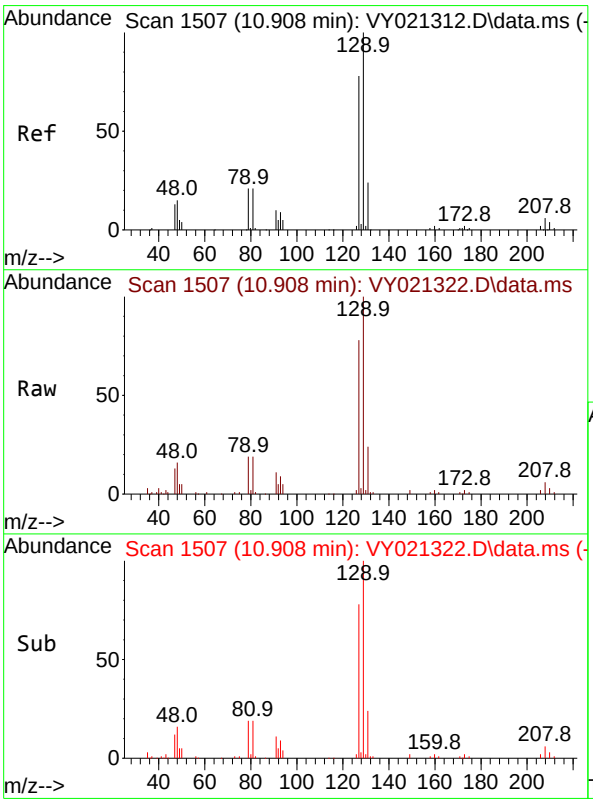
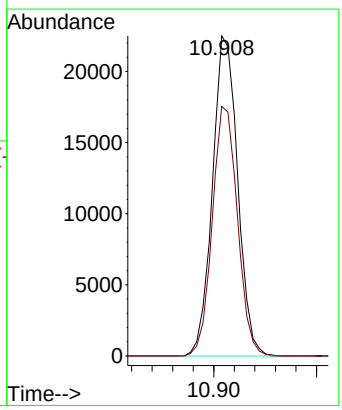


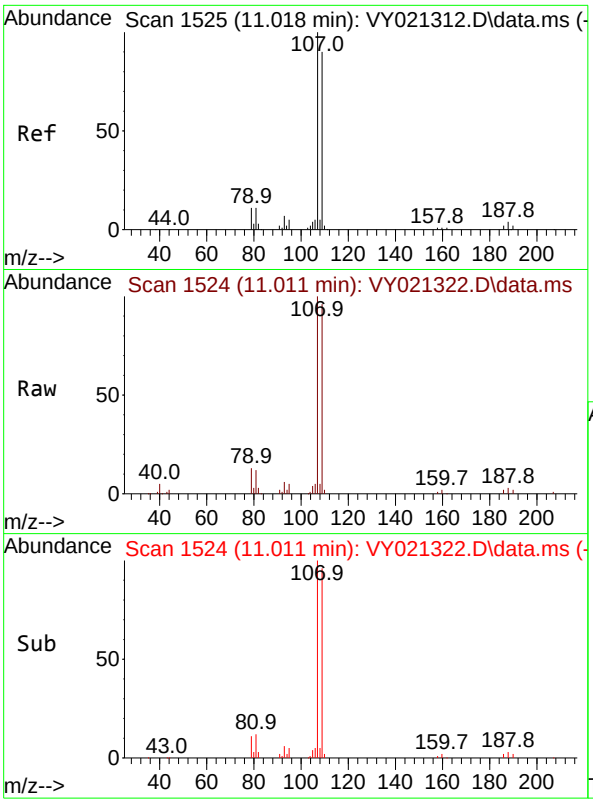


#60
Dibromochloromethane
Concen: 19.318 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:129 Resp: 38212

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.8	116.4

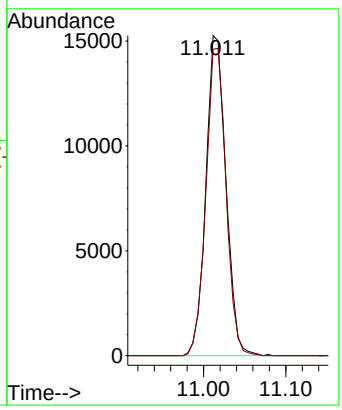




#61
1,2-Dibromoethane
Concen: 18.799 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:107 Resp: 2584

Ion	Ratio	Lower	Upper
107	100		
109	96.2	73.8	110.8



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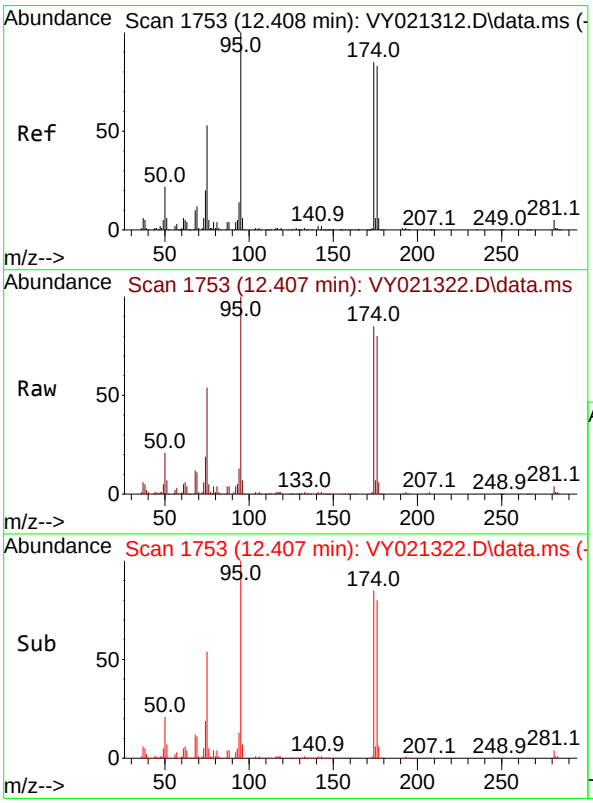
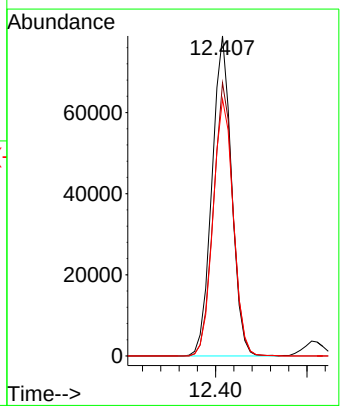
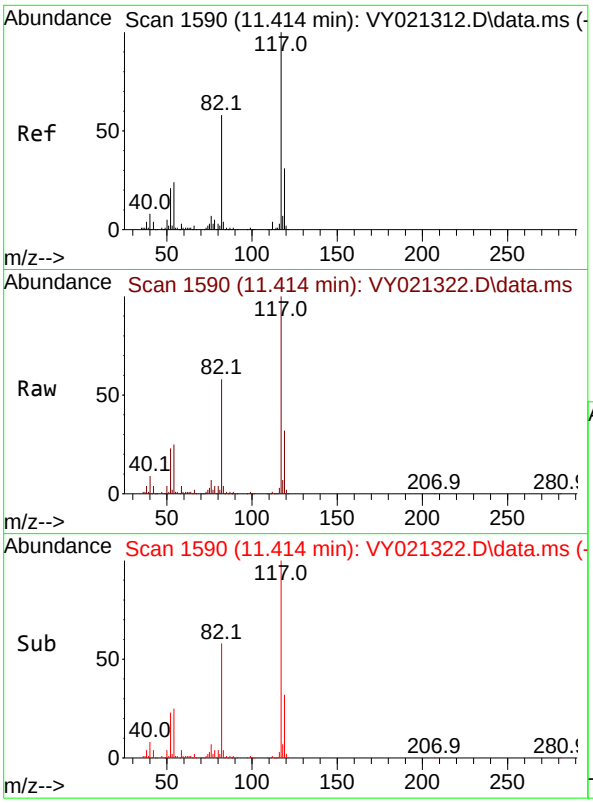


#62
4-Bromofluorobenzene
Concen: 47.291 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 95 Resp: 117404

Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	168.0
176	82.9	0.0	162.6

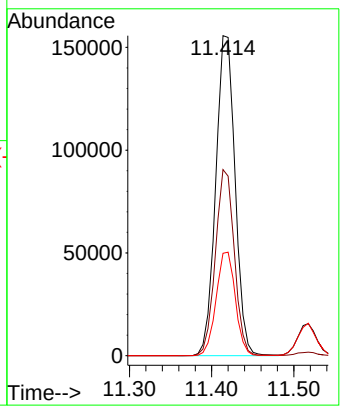




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 25489

Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.2	69.4
119	32.0	24.9	37.3



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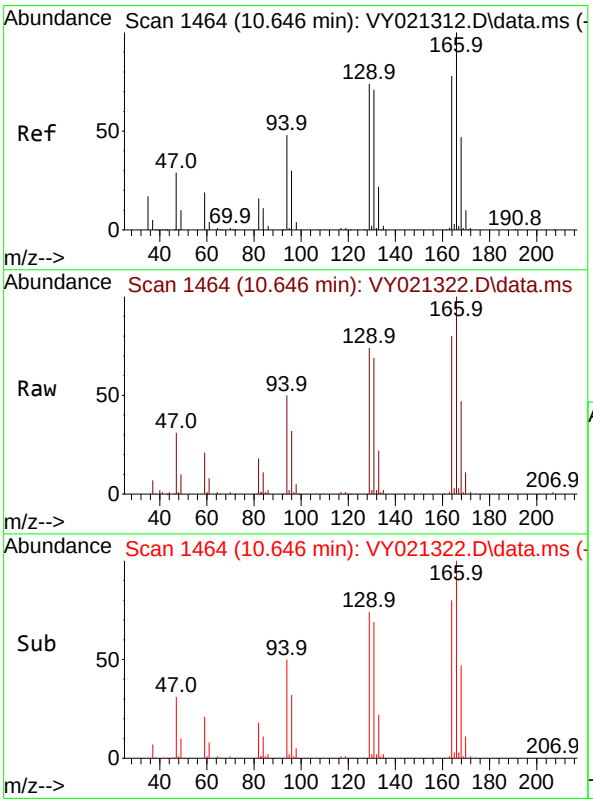
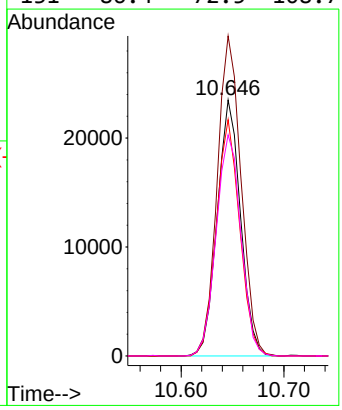
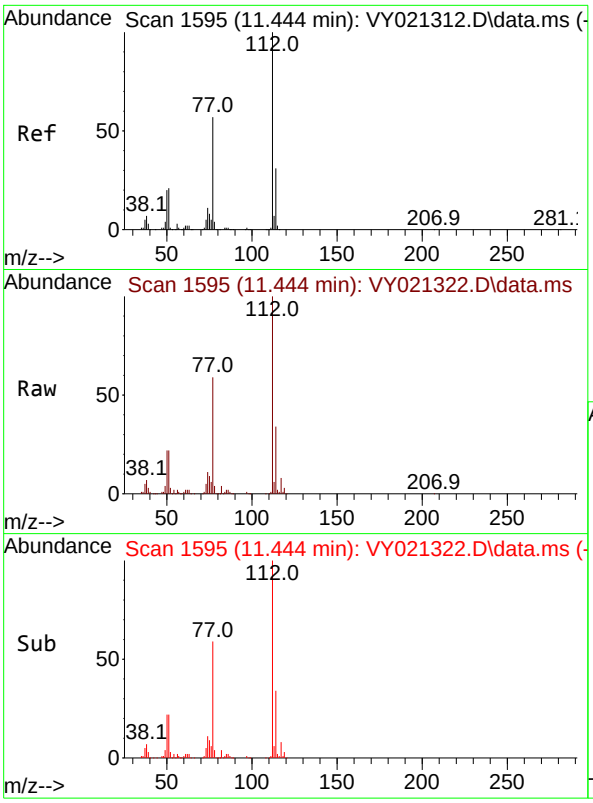


#64
Tetrachloroethene
Concen: 19.197 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:164 Resp: 36984

Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.9	152.9
129	92.3	75.5	113.3
131	86.4	72.5	108.7

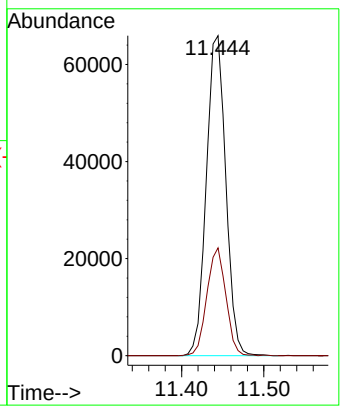




#65
Chlorobenzene
Concen: 18.977 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:112 Resp: 10857

Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.0	37.6



Instrument :
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ClientSampleId :
VY0226SBS01

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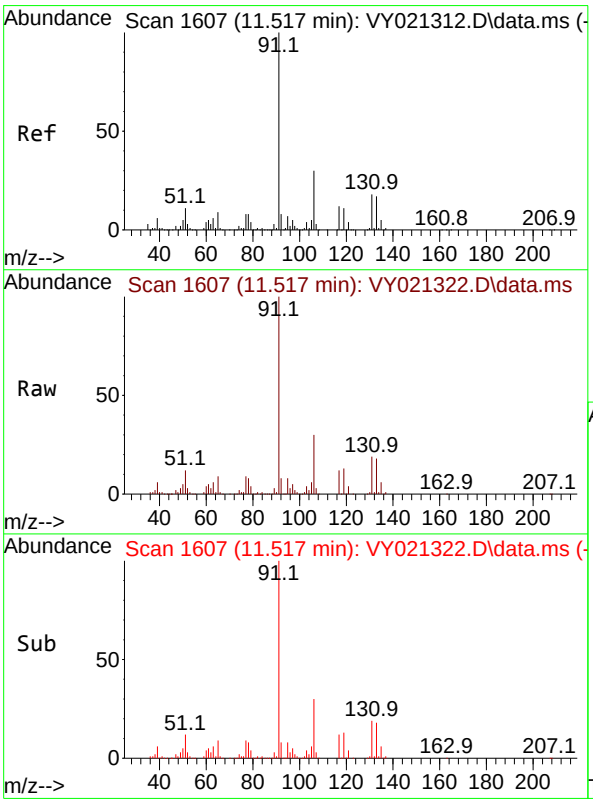
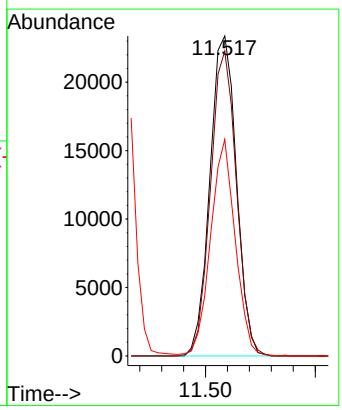
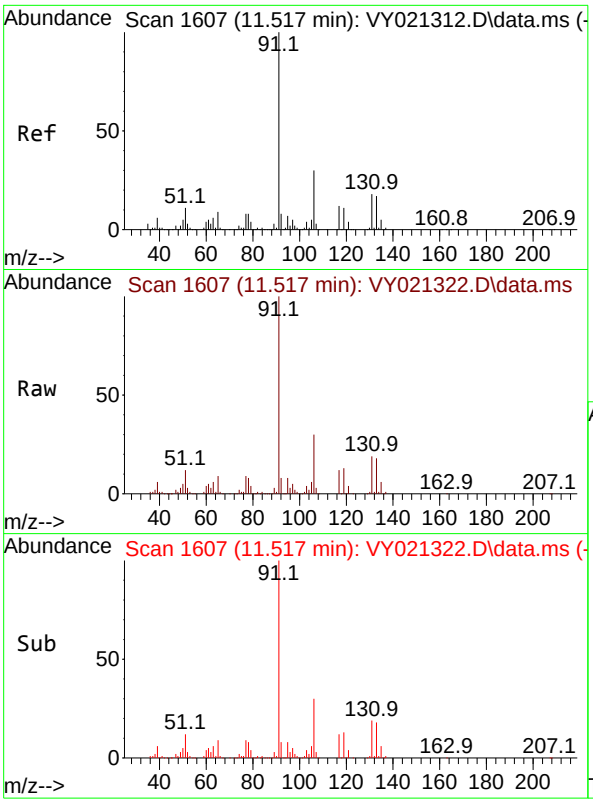


#66
1,1,1,2-Tetrachloroethane
Concen: 19.617 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:131 Resp: 39302

Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.9	143.6
119	63.0	31.7	95.1

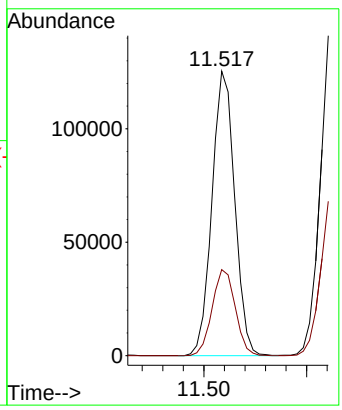




#67
Ethyl Benzene
Concen: 19.003 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 19259

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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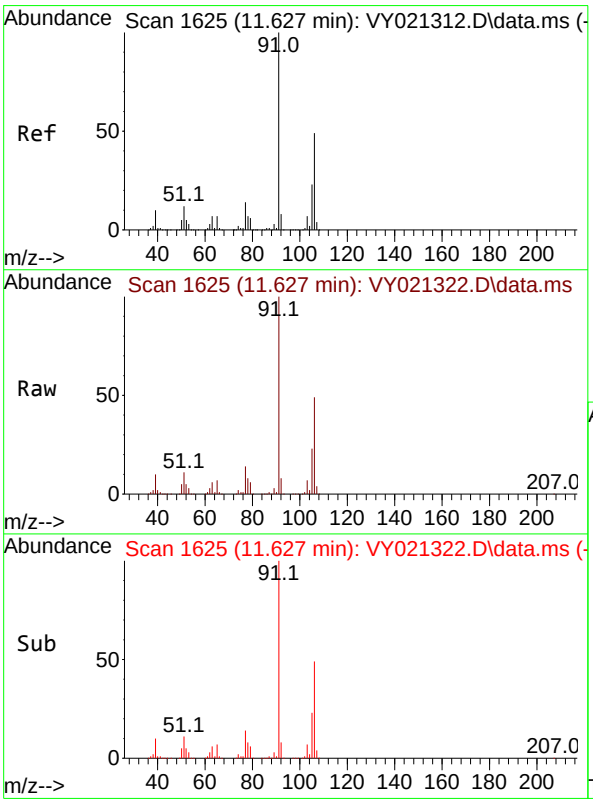
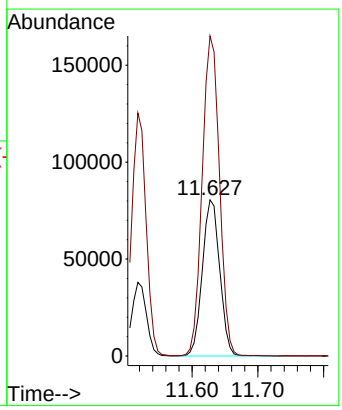
Supervised By :Mahesh Dadoda 02/27/2025

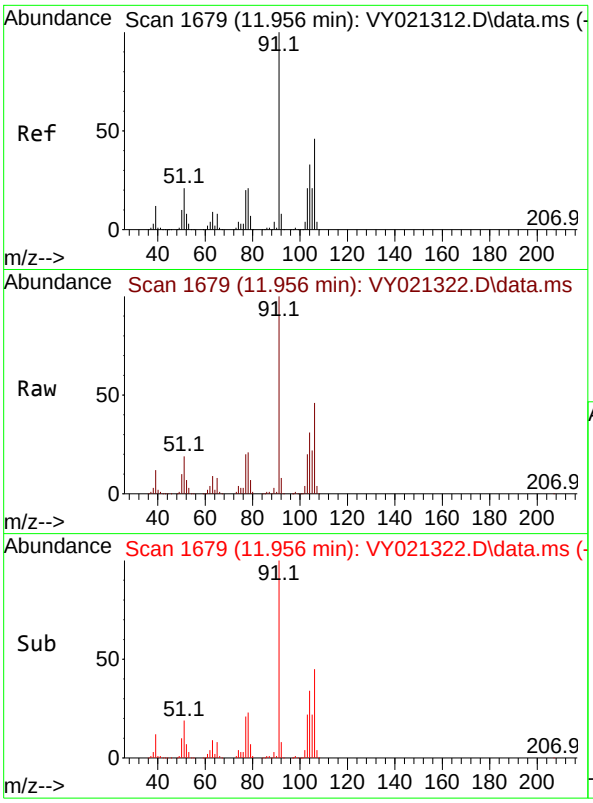


#68
m/p-Xylenes
Concen: 38.806 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:106 Resp: 147929

Ion	Ratio	Lower	Upper
106	100		
91	204.3	163.9	245.9

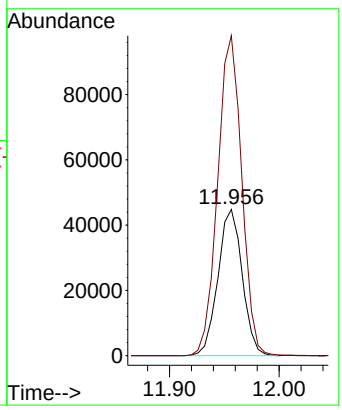




#69
o-Xylene
Concen: 19.342 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:106 Resp: 6907

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.1	324.2



Instrument :
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ClientSampleId :
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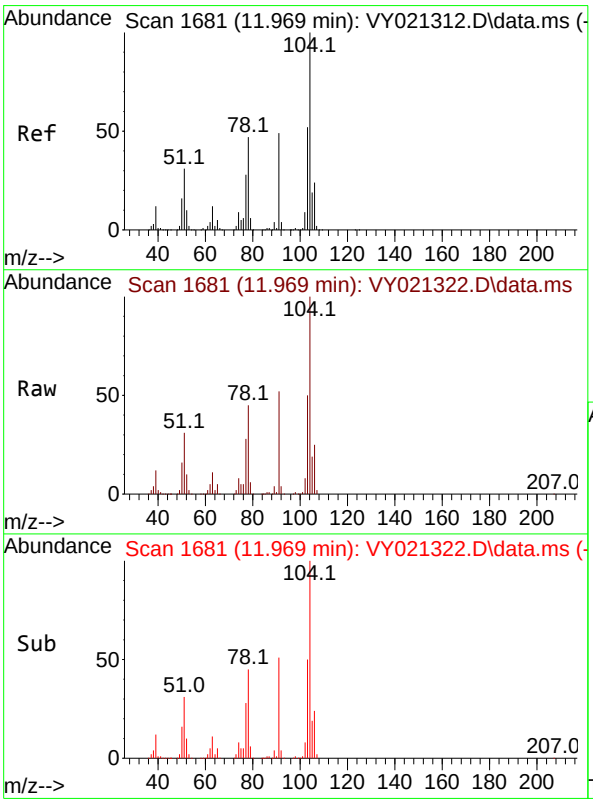
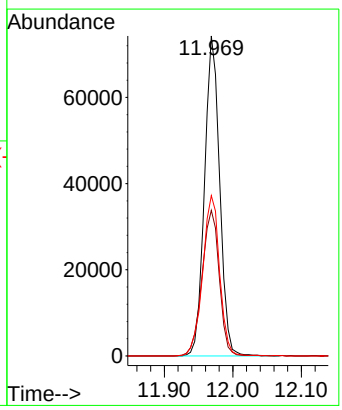
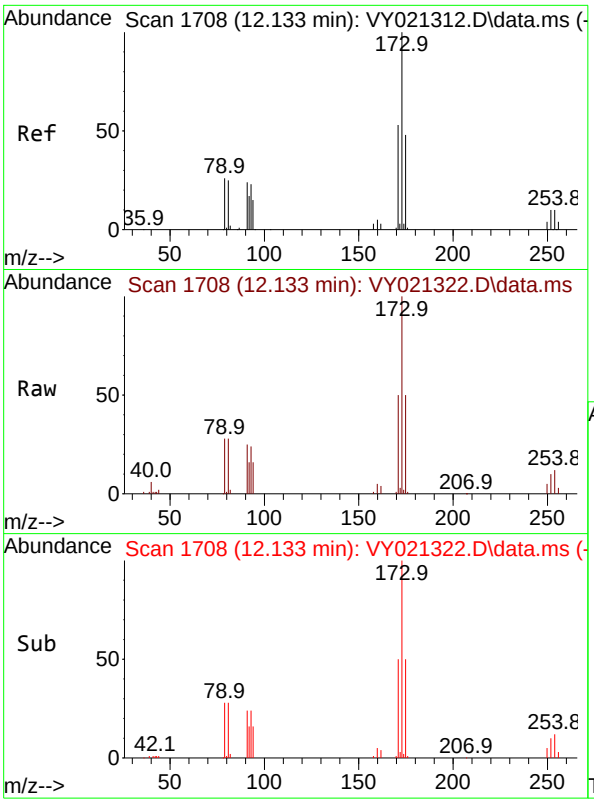


#70
Styrene
Concen: 19.262 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:104 Resp: 114447

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.3	61.9
103	55.8	43.9	65.9

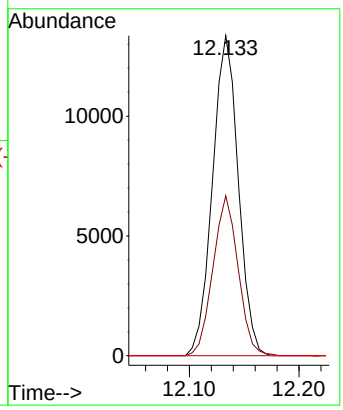




#71
Bromoform
Concen: 19.083 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:173 Resp: 2187

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.0	0.1	0.1



Instrument :
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ClientSampleId :
VY0226SBS01

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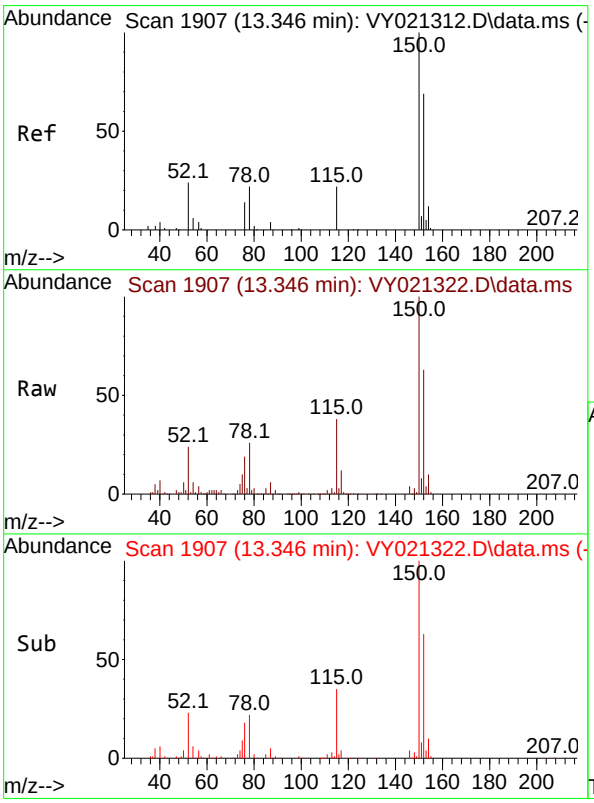
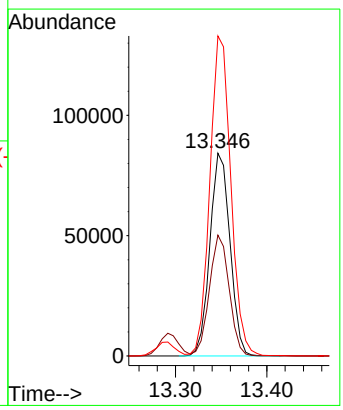
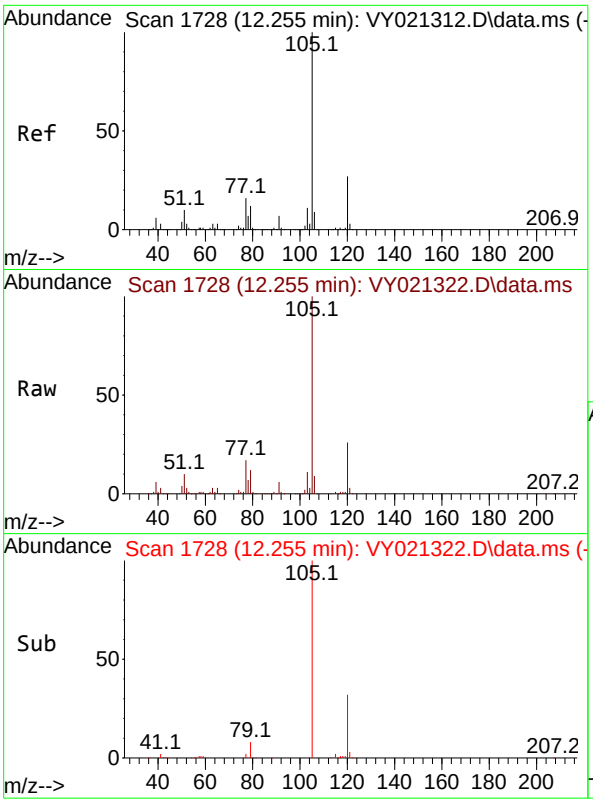


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:152 Resp: 128725

Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	164.6	0.0	347.4

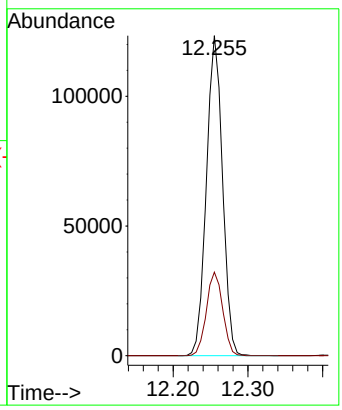




#73
Isopropylbenzene
Concen: 19.058 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 18443

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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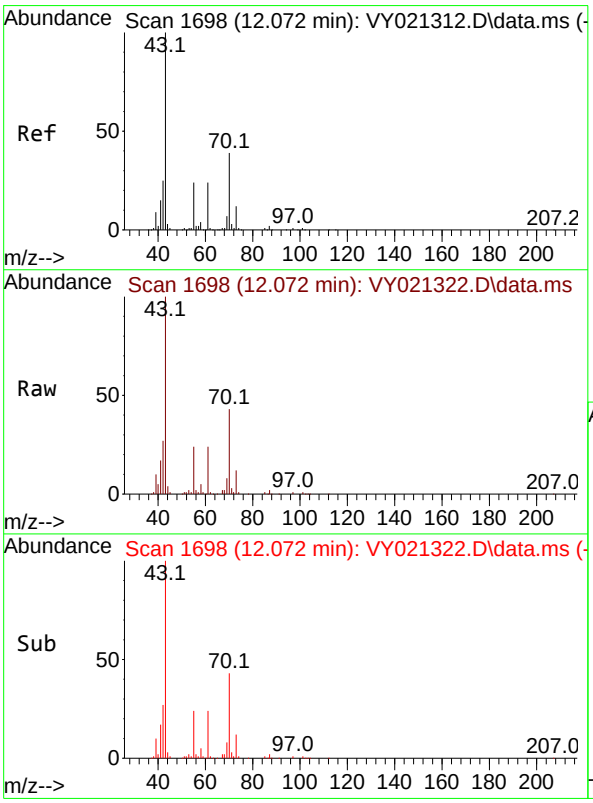
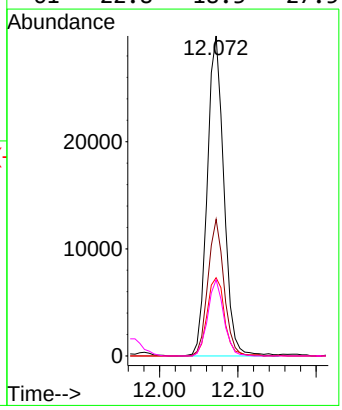
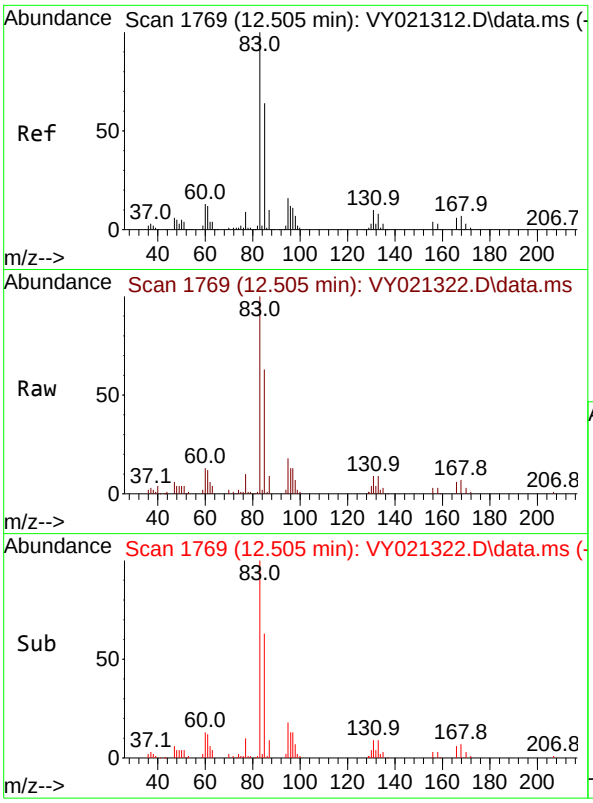


#74
N-amyl acetate
Concen: 17.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 44104

Ion	Ratio	Lower	Upper
43	100		
70	41.1	32.2	48.2
55	25.5	19.6	29.4
61	22.8	18.3	27.5

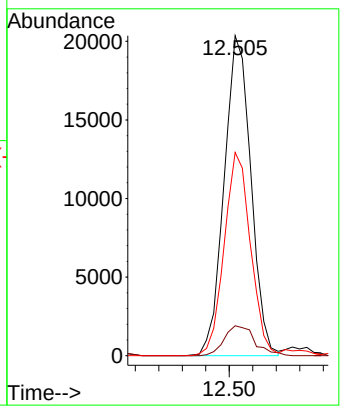




#75
1,1,2,2-Tetrachloroethane
Concen: 18.835 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 3216

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	62.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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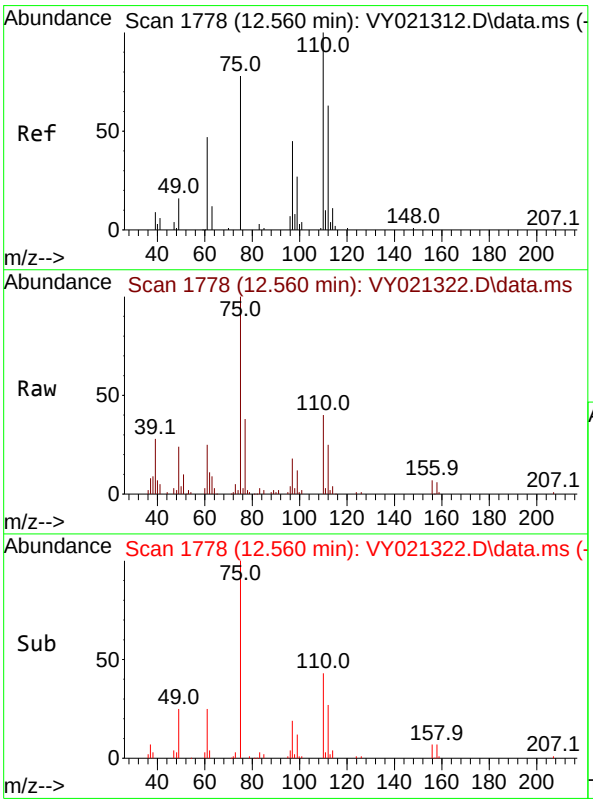
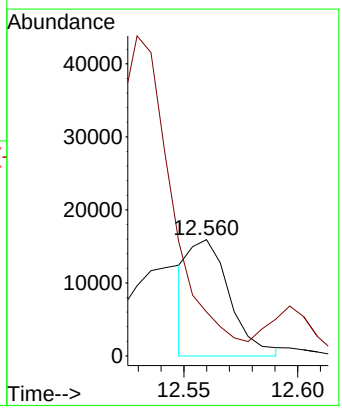
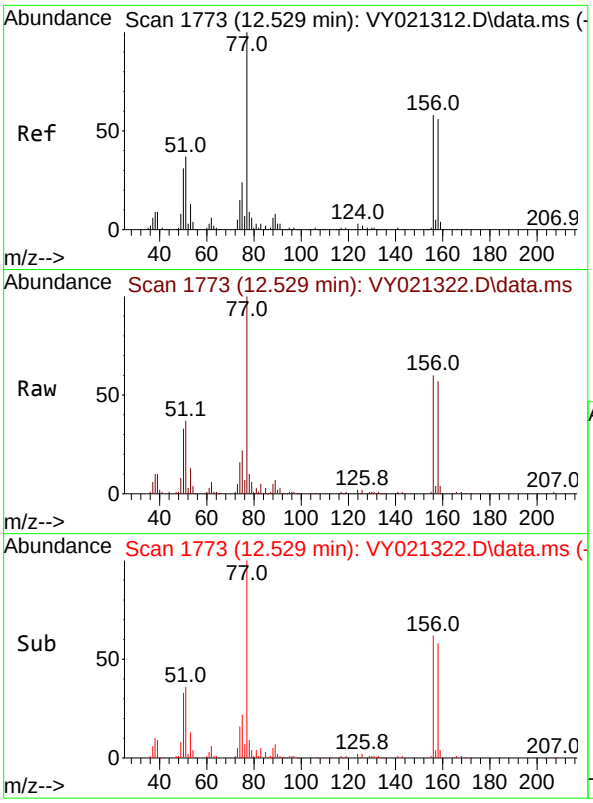


#76
1,2,3-Trichloropropane
Concen: 15.563 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 20053

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

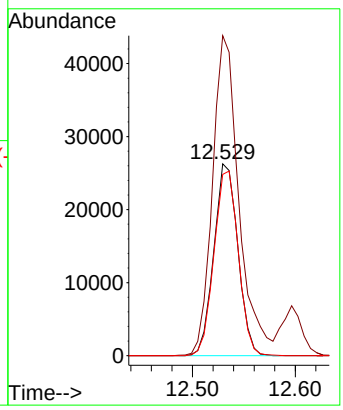




#77
Bromobenzene
Concen: 18.925 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:156 Resp: 4259

Ion	Ratio	Lower	Upper
156	100		
77	183.3	94.0	282.1
158	97.3	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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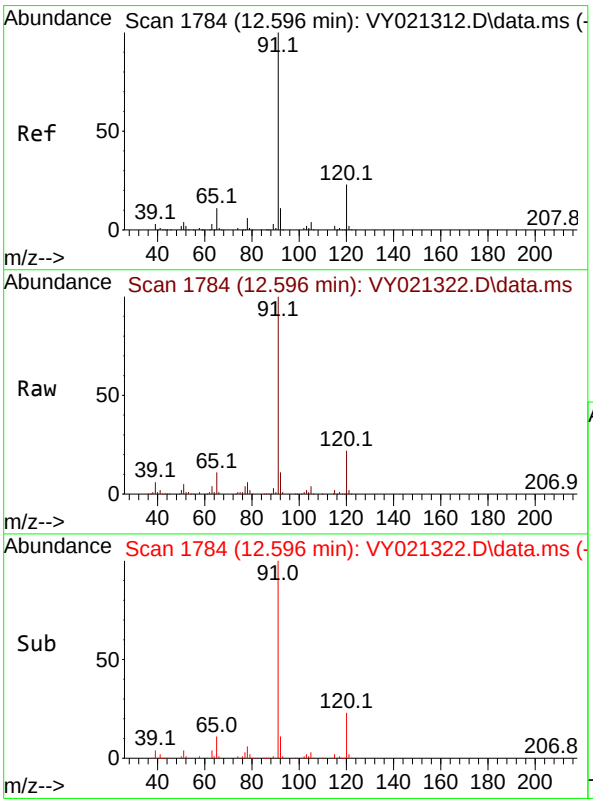
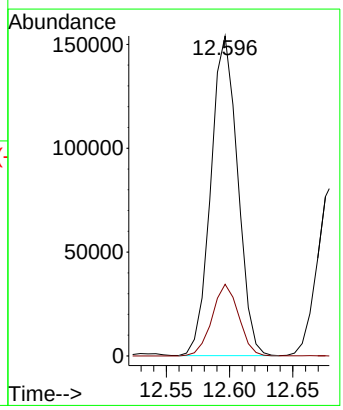
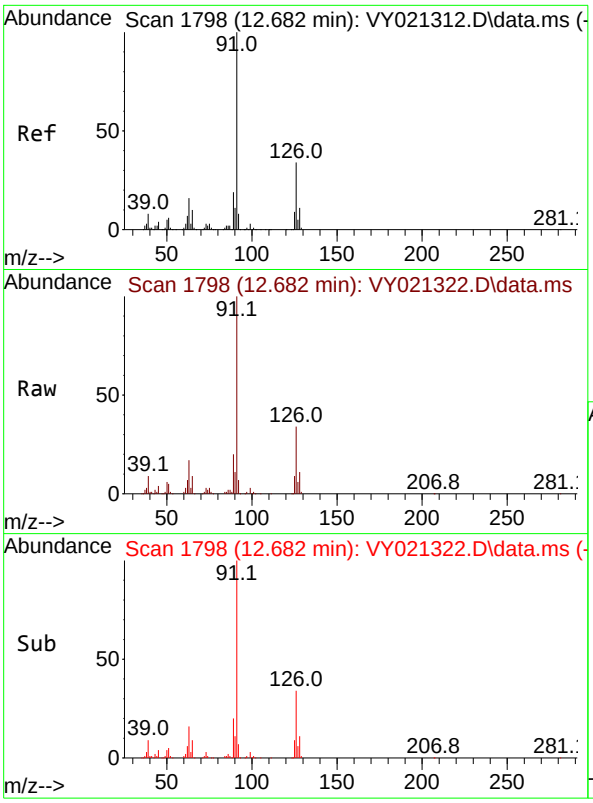


#78
n-propylbenzene
Concen: 19.317 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 226845

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5

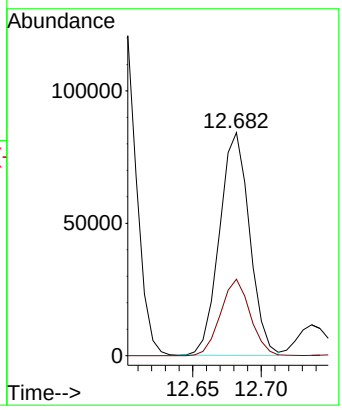




#79
2-Chlorotoluene
Concen: 19.070 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 12852

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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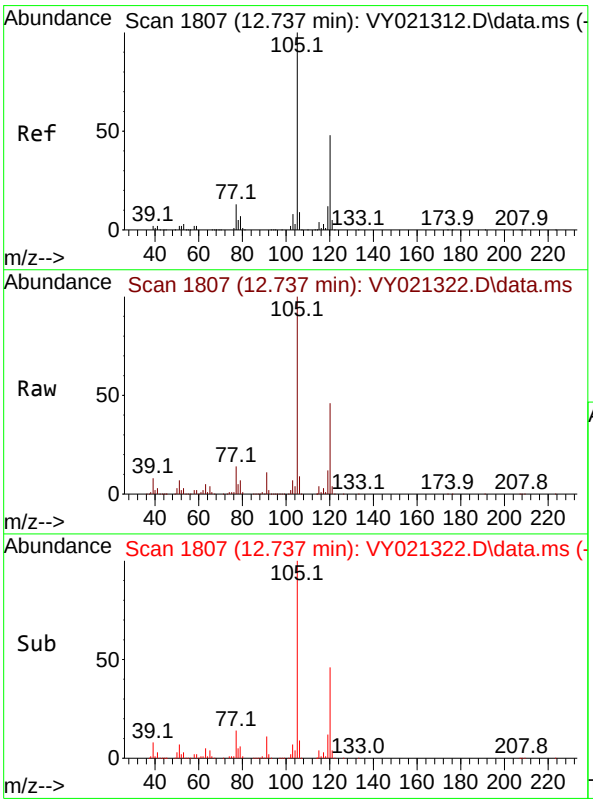
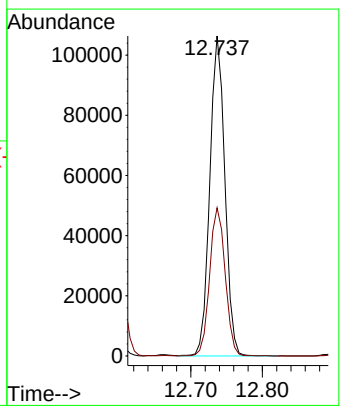
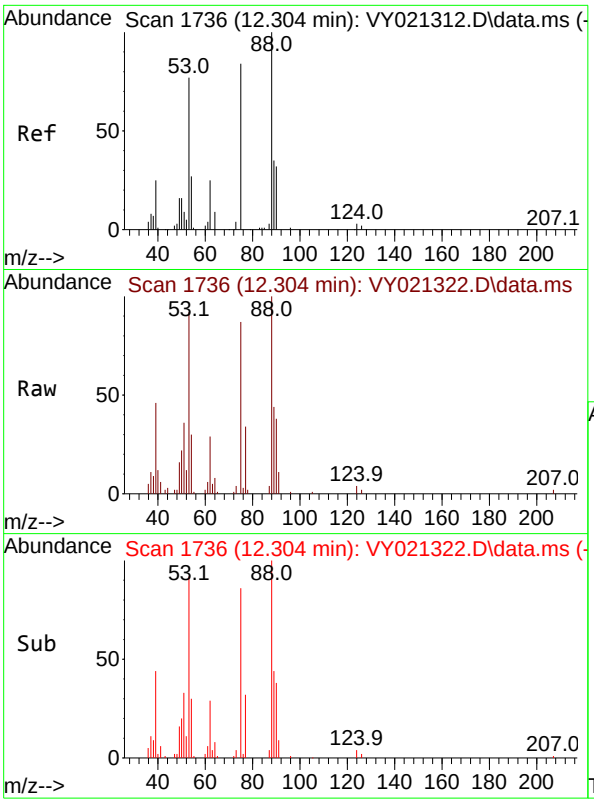


#80
1,3,5-Trimethylbenzene
Concen: 19.582 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 155422

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 17.364 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 1006

Ion	Ratio	Lower	Upper
75	100		
53	104.9	79.1	118.7
89	46.4	35.6	53.4

Instrument :
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ClientSampleId :
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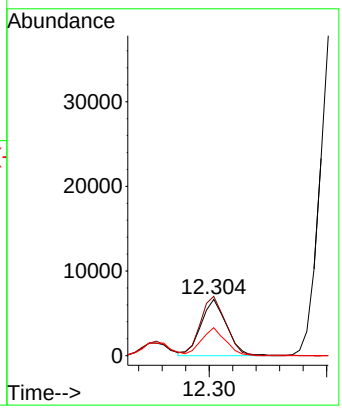
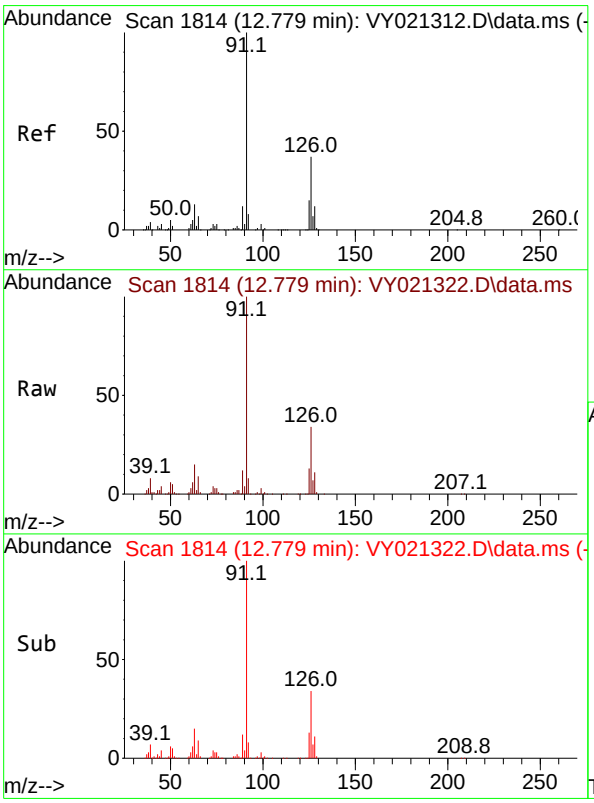
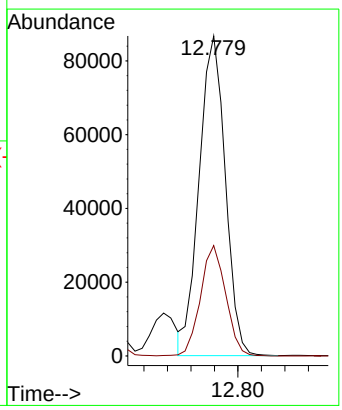


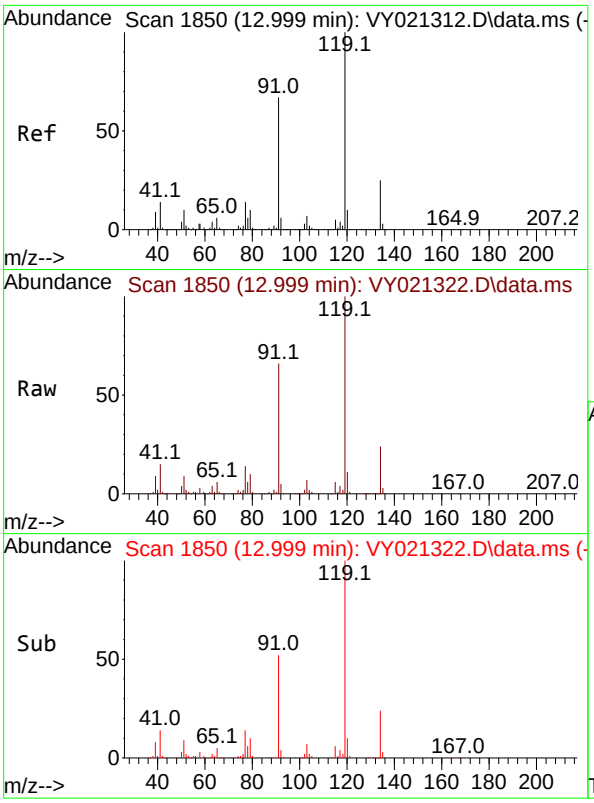


#82
4-Chlorotoluene
Concen: 19.171 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 133936

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4

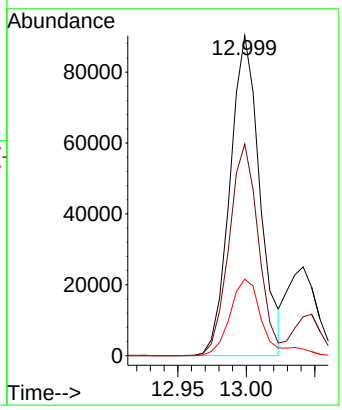




#83
tert-Butylbenzene
Concen: 19.079 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:119 Resp: 13678

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.7	98.1
134	26.3	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

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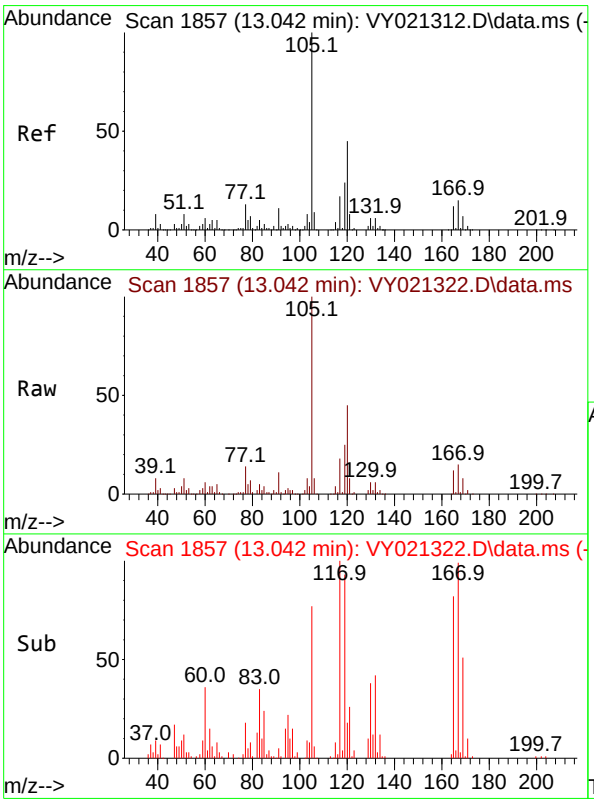
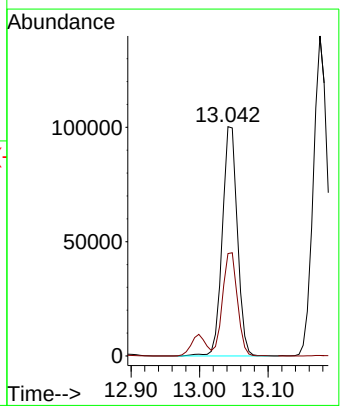
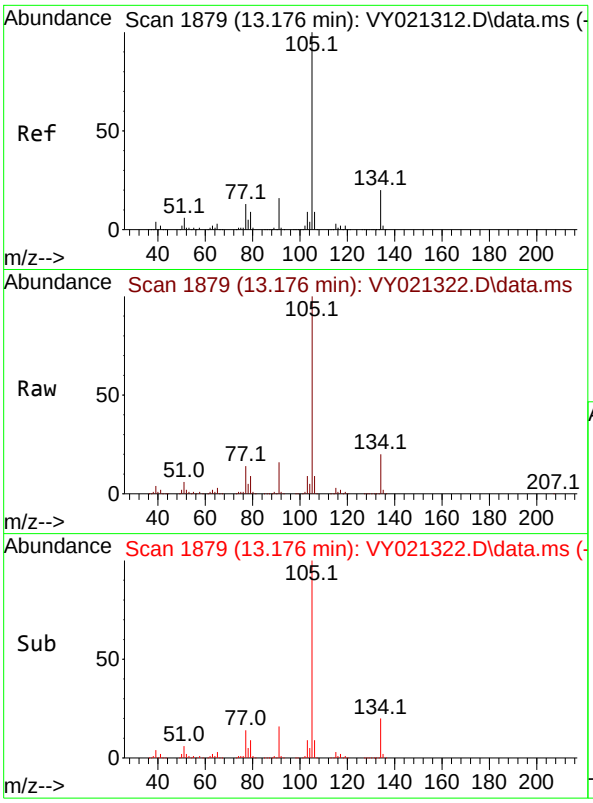


#84
1,2,4-Trimethylbenzene
Concen: 19.310 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 152431

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3

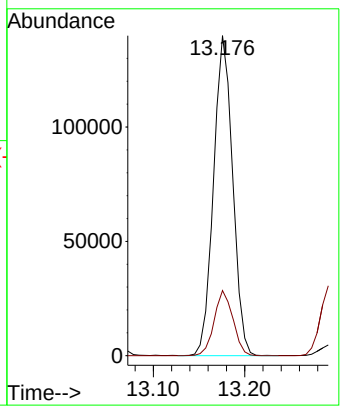




#85
sec-Butylbenzene
Concen: 19.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 20406

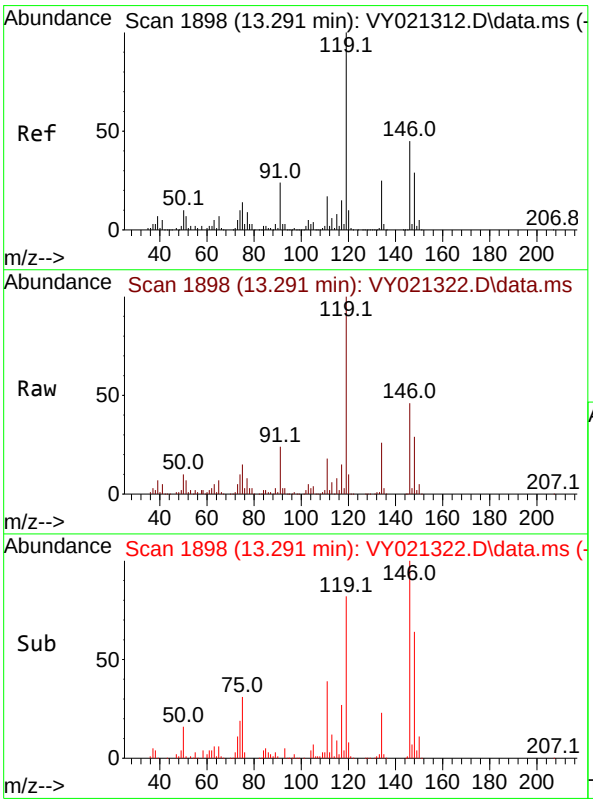
Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

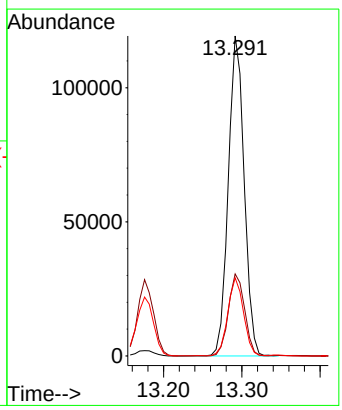
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

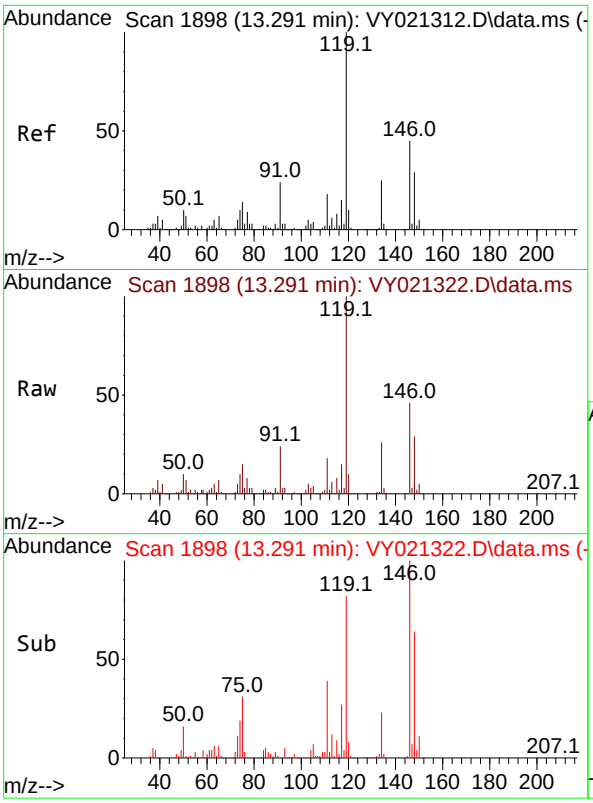


#86
p-Isopropyltoluene
Concen: 19.195 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:119 Resp: 167856

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	24.2	12.0	36.1

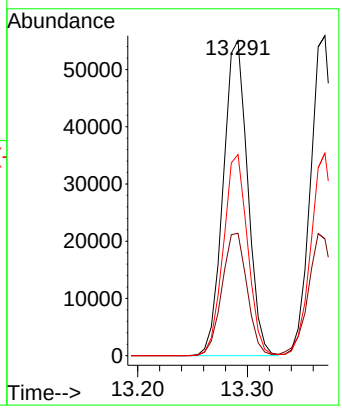




#87
1,3-Dichlorobenzene
Concen: 19.148 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:146 Resp: 8525

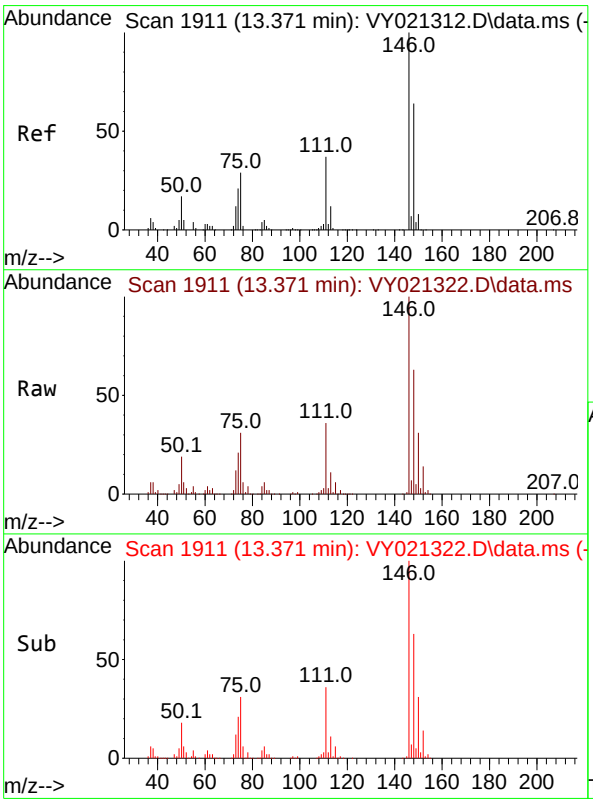
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.4	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

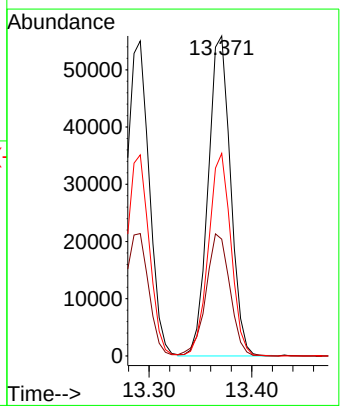
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

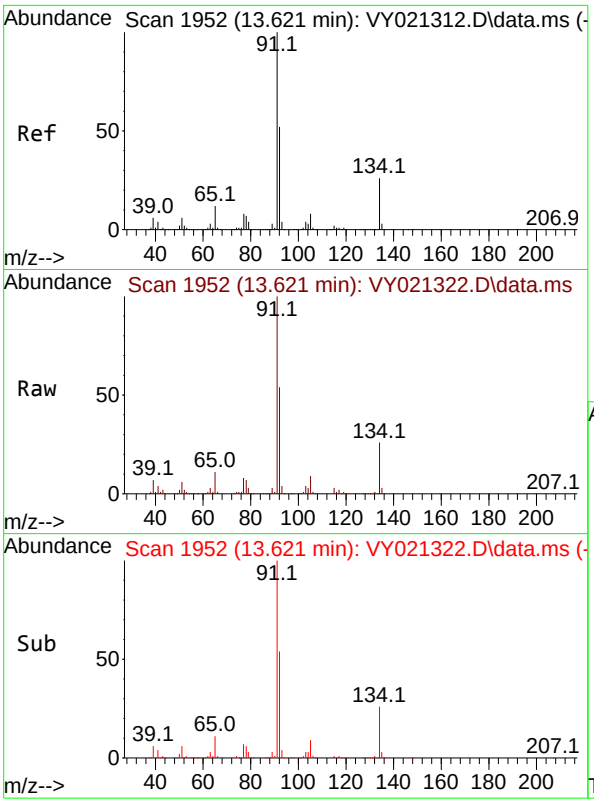


#88
1,4-Dichlorobenzene
Concen: 19.226 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:146 Resp: 84570

Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.5	58.5
148	63.6	32.0	96.2

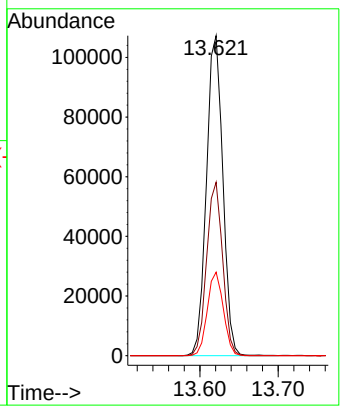




#89
n-Butylbenzene
Concen: 18.911 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 15562

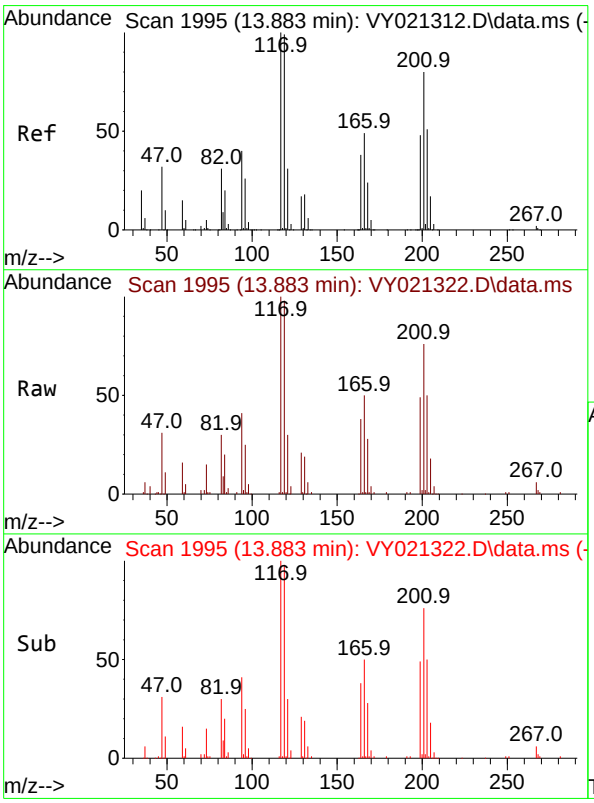
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.5	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

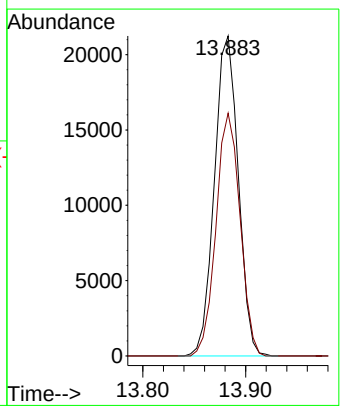
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

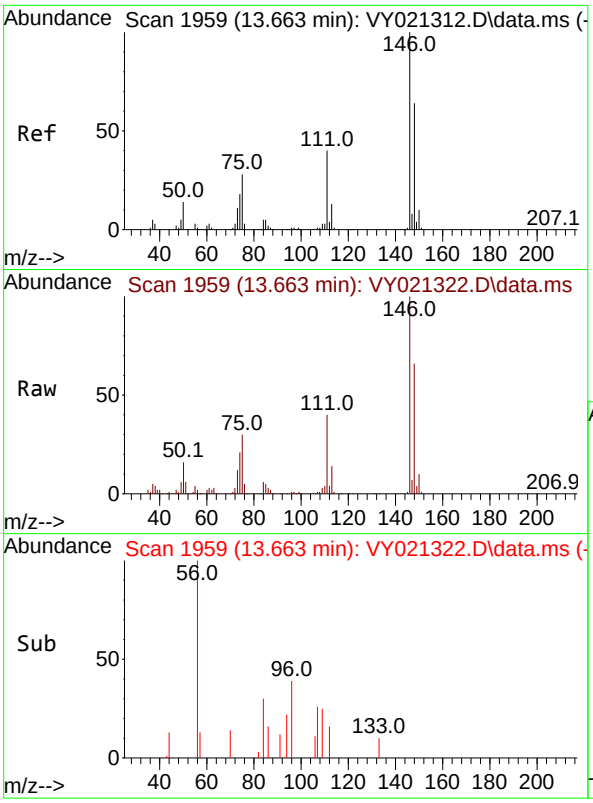


#90
Hexachloroethane
Concen: 18.736 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 34224

Ion	Ratio	Lower	Upper
117	100		
201	76.4	38.4	115.2

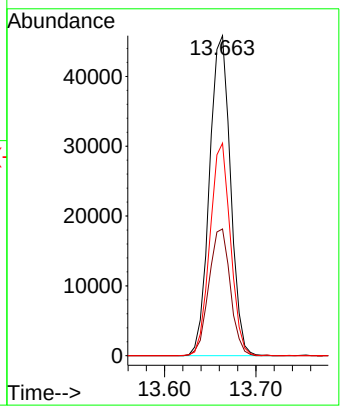




#91
1,2-Dichlorobenzene
Concen: 18.778 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:146 Resp: 7325

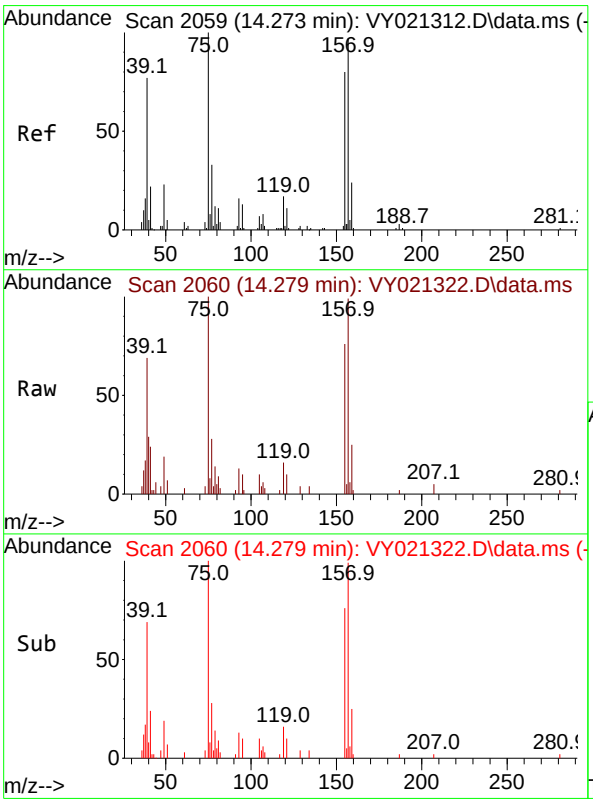
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	64.9	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

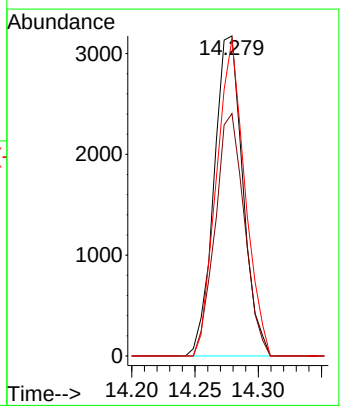
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

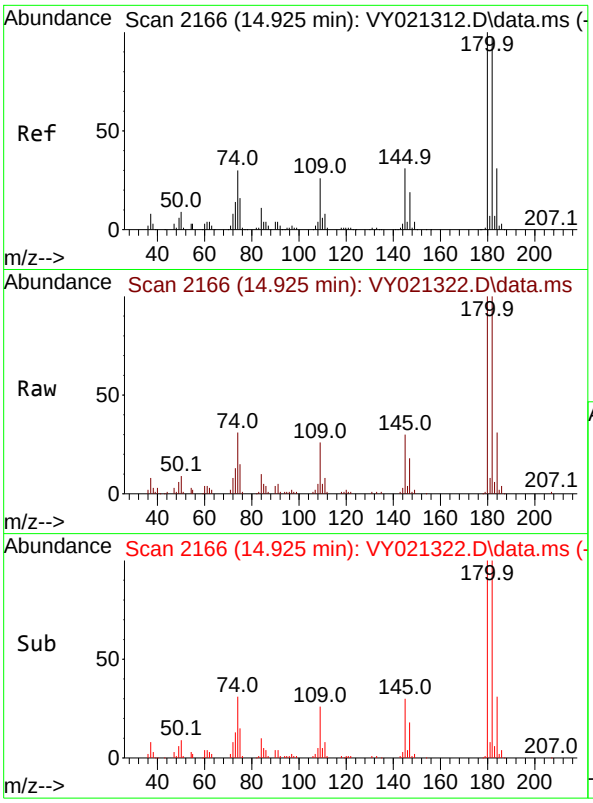


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.599 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 5025

Ion	Ratio	Lower	Upper
75	100		
155	76.7	41.9	125.6
157	97.9	52.5	157.6

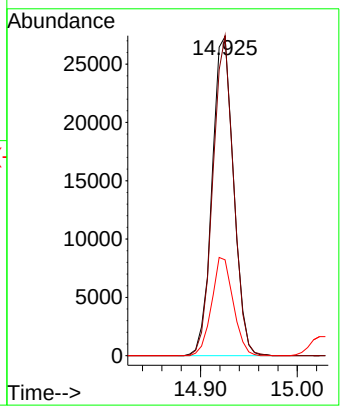




#93
1,2,4-Trichlorobenzene
Concen: 17.702 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:180 Resp: 4214

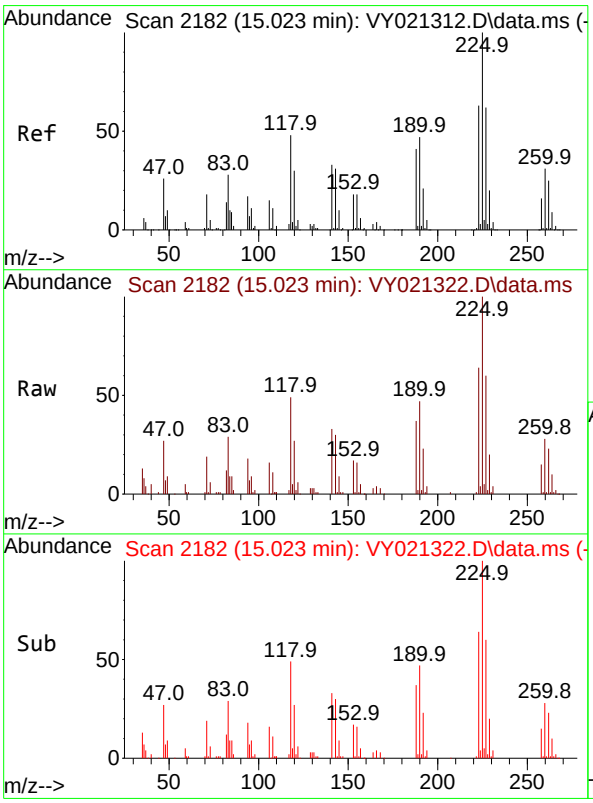
Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	30.9	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

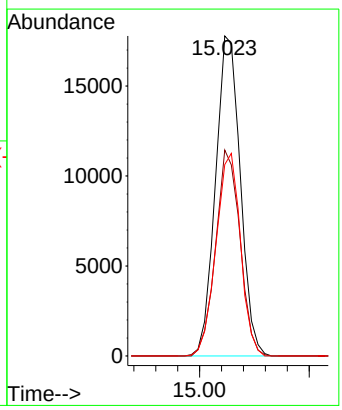
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

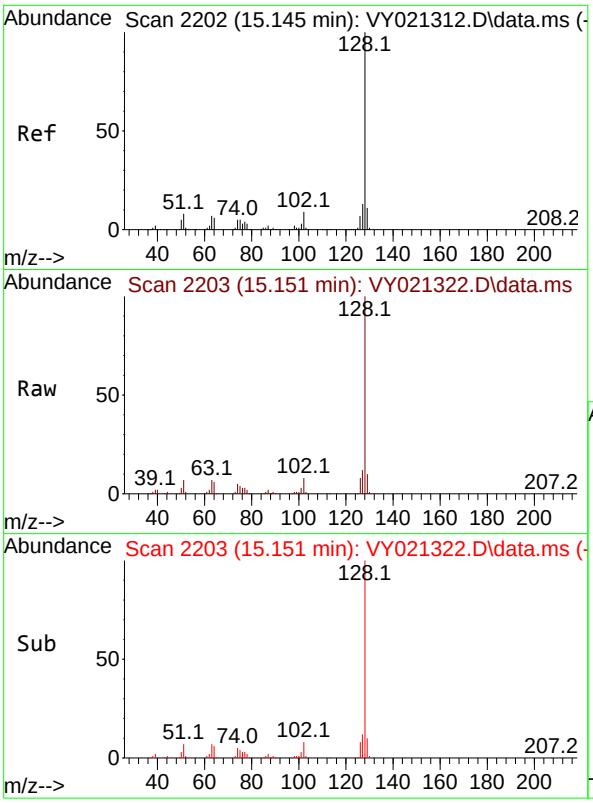


#94
Hexachlorobutadiene
Concen: 18.650 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:225 Resp: 27956

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.4
227	62.6	31.9	95.7

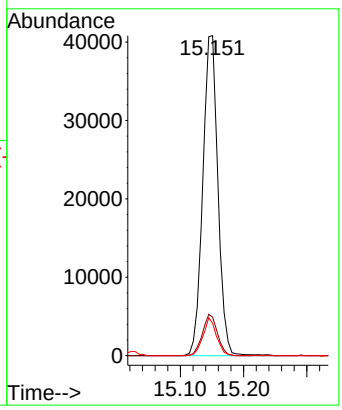




#95
Naphthalene
Concen: 17.269 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:128 Resp: 6810

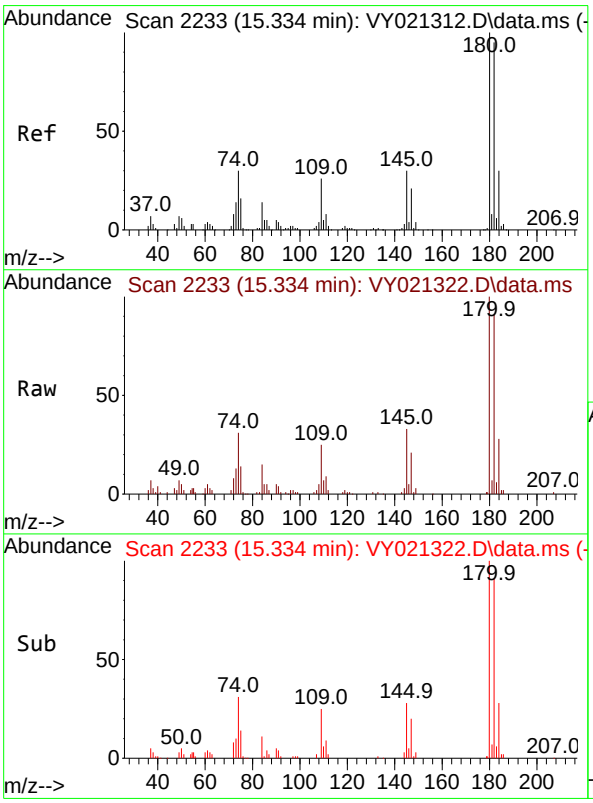
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.5	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Manual Integrations
APPROVED

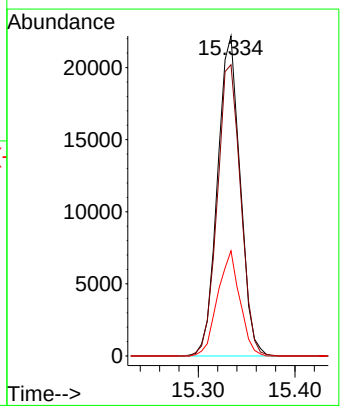
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.931 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:180 Resp: 36072

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.3	144.9
145	32.1	16.1	48.3



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0225WBSD01	SDG No.:	Q1401
Lab Sample ID:	VX0225WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045033.D	1		02/25/25 12:57	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	15.6		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.1		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	22.7		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.9		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.1		0.26	0.75	1.00	ug/L
67-64-1	Acetone	120		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.3		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.5		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.6		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.6		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	120		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.7		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.8		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.8		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.4		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	130		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.3		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.3		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	130		1.10	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0225WBSD01	SDG No.:	Q1401
Lab Sample ID:	VX0225WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045033.D	1		02/25/25 12:57	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.7		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.5		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.3		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	21.2		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.7		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.2		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.4		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	104000	5.55				
540-36-3	1,4-Difluorobenzene	185000	6.757				
3114-55-4	Chlorobenzene-d5	164000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	77000	12.018				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045033.D
Acq On : 25 Feb 2025 12:57
Operator : JC/MD
Sample : VX0225WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 26 03:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	104015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184616	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81281	53.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.760%			
35) Dibromofluoromethane	5.379	113	64458	53.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.400%			
50) Toluene-d8	8.647	98	225725	49.732	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.460%			
62) 4-Bromofluorobenzene	11.079	95	82320	53.799	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	26428	18.116	ug/l	97
3) Chloromethane	1.313	50	27728	15.616	ug/l	98
4) Vinyl Chloride	1.374	62	27620	16.057	ug/l	98
5) Bromomethane	1.593	94	10551	20.498	ug/l	86
6) Chloroethane	1.672	64	16473	22.738	ug/l	100
7) Trichlorofluoromethane	1.874	101	41082	18.886	ug/l	99
8) Diethyl Ether	2.130	74	15050	19.077	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	24224	18.431	ug/l	98
10) Methyl Iodide	2.447	142	24750	14.530	ug/l	96
11) Tert butyl alcohol	2.971	59	33570	118.846	ug/l	99
12) 1,1-Dichloroethene	2.313	96	22933	17.106	ug/l	96
13) Acrolein	2.233	56	24474	83.978	ug/l	99
14) Allyl chloride	2.660	41	45680	18.853	ug/l	98
15) Acrylonitrile	3.062	53	85298	113.101	ug/l	98
16) Acetone	2.380	43	73126	119.468	ug/l	96
17) Carbon Disulfide	2.501	76	56362	15.331	ug/l	100
18) Methyl Acetate	2.703	43	48917	25.325	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	82029	19.230	ug/l	96
20) Methylene Chloride	2.782	84	27752	18.510	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	23160	17.552	ug/l	97
22) Diisopropyl ether	3.757	45	90716	19.790	ug/l	88
23) Vinyl Acetate	3.721	43	366009	97.941	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47577	18.550	ug/l	97
25) 2-Butanone	4.556	43	119622	120.352	ug/l	93
26) 2,2-Dichloropropane	4.471	77	35307	17.358	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	29525	18.628	ug/l	100
28) Bromochloromethane	4.897	49	25948	21.051	ug/l	98
29) Tetrahydrofuran	5.001	42	78676	119.207	ug/l	98
30) Chloroform	5.086	83	49005	19.701	ug/l	97
31) Cyclohexane	5.458	56	41985	17.756	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	39919	18.921	ug/l	100
36) 1,1-Dichloropropene	5.690	75	31489	18.184	ug/l	100
37) Ethyl Acetate	4.715	43	43459	22.562	ug/l	99
38) Carbon Tetrachloride	5.666	117	33303	19.625	ug/l	99
39) Methylcyclohexane	7.373	83	41979	18.750	ug/l	97
40) Benzene	6.031	78	101685	18.805	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045033.D
Acq On : 25 Feb 2025 12:57
Operator : JC/MD
Sample : VX0225WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 26 03:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	25273	24.513	ug/l		96
42) 1,2-Dichloroethane	6.080	62	36973	21.453	ug/l		99
43) Isopropyl Acetate	6.342	43	67869	21.820	ug/l		98
44) Trichloroethene	7.123	130	23937	19.366	ug/l		97
45) 1,2-Dichloropropane	7.427	63	26735	19.873	ug/l		98
46) Dibromomethane	7.580	93	19271	20.656	ug/l		99
47) Bromodichloromethane	7.818	83	37771	20.908	ug/l		99
48) Methyl methacrylate	7.696	41	33381	22.760	ug/l		97
49) 1,4-Dioxane	7.659	88	15530	493.544	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	238466	126.106	ug/l		97
52) Toluene	8.714	92	62103	19.284	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	33432	18.288	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	40084	19.666	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	26031	21.027	ug/l		96
56) Ethyl methacrylate	9.116	69	41220	20.616	ug/l		98
57) 1,3-Dichloropropane	9.305	76	44709	20.641	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	88402	90.045	ug/l		100
59) 2-Hexanone	9.427	43	175998	129.175	ug/l		97
60) Dibromochloromethane	9.519	129	27361	20.666	ug/l		99
61) 1,2-Dibromoethane	9.610	107	26005	20.725	ug/l		99
64) Tetrachloroethene	9.269	164	19902	19.217	ug/l		98
65) Chlorobenzene	10.079	112	68070	19.299	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	22640	19.942	ug/l		98
67) Ethyl Benzene	10.189	91	119195	19.150	ug/l		98
68) m/p-Xylenes	10.299	106	90661	39.486	ug/l		98
69) o-Xylene	10.640	106	44481	19.307	ug/l		99
70) Styrene	10.652	104	74872	20.171	ug/l		100
71) Bromoform	10.799	173	17936	21.169	ug/l	#	98
73) Isopropylbenzene	10.957	105	115836	18.682	ug/l		100
74) N-amyl acetate	10.841	43	56516	20.142	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	43038	20.199	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	35430m	20.751	ug/l		
77) Bromobenzene	11.195	156	26820	19.079	ug/l		97
78) n-propylbenzene	11.305	91	132947	18.576	ug/l		99
79) 2-Chlorotoluene	11.360	91	81582	18.547	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	96972	19.272	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	11113	16.743	ug/l		89
82) 4-Chlorotoluene	11.451	91	91866	18.878	ug/l		100
83) tert-Butylbenzene	11.713	119	96867	19.030	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	96411	19.413	ug/l		99
85) sec-Butylbenzene	11.890	105	121849	19.331	ug/l		99
86) p-Isopropyltoluene	12.006	119	99219	19.574	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	49720	19.233	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	48639	18.609	ug/l		98
89) n-Butylbenzene	12.329	91	85953	19.167	ug/l		99
90) Hexachloroethane	12.536	117	17367	18.298	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	50374	19.827	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8357	21.490	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	27211	17.700	ug/l		96
94) Hexachlorobutadiene	13.725	225	12391	20.303	ug/l		97
95) Naphthalene	13.774	128	110004	19.794	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	30122	19.444	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045033.D
Acq On : 25 Feb 2025 12:57
Operator : JC/MD
Sample : VX0225WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 26 03:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045033.D
Acq On : 25 Feb 2025 12:57
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Sample : VX0225WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 26 03:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations APPROVED

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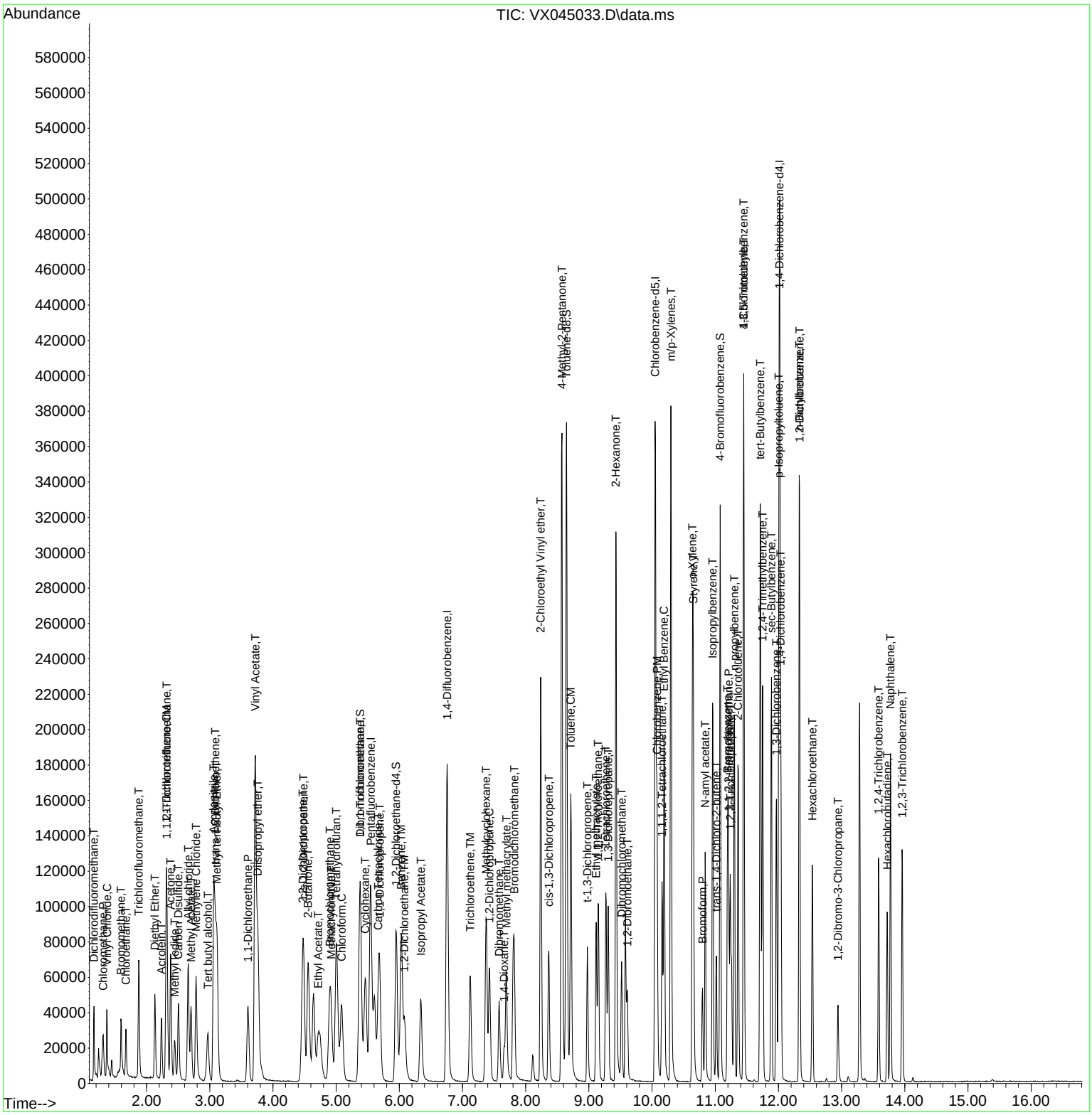
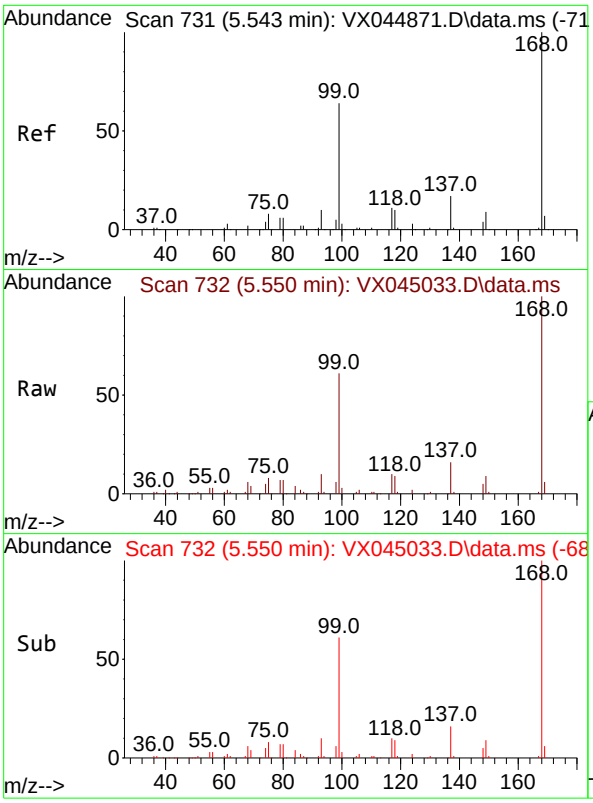
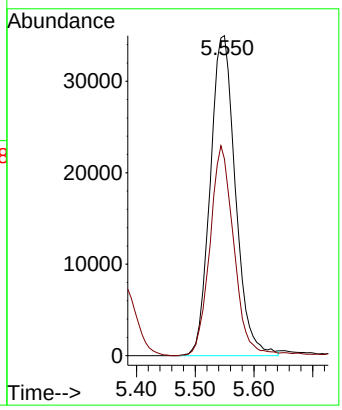




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:168 Resp: 10401

Ion	Ratio	Lower	Upper
168	100		
99	61.5	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
APPROVED

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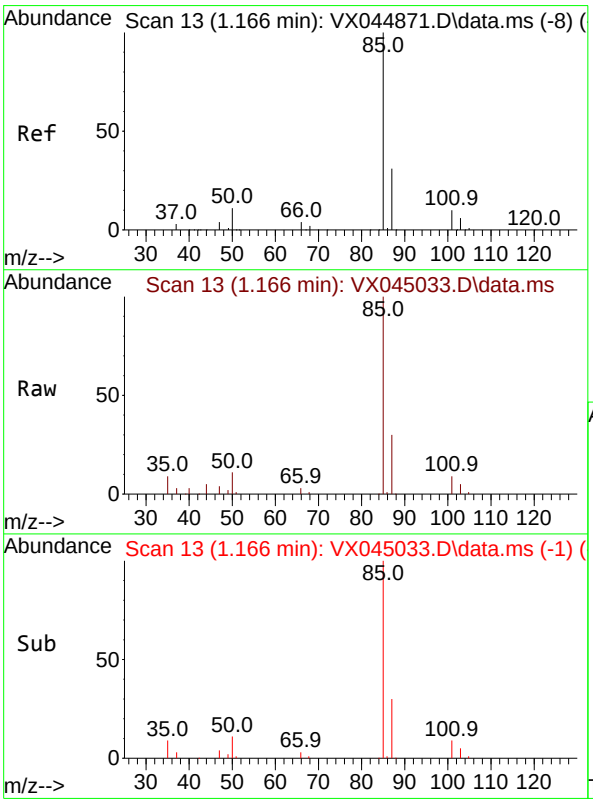
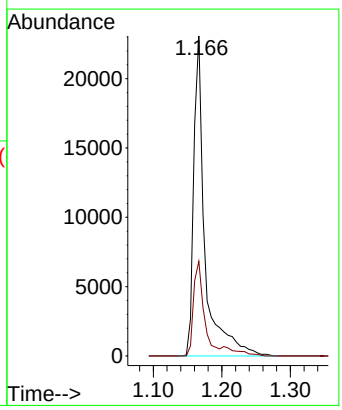
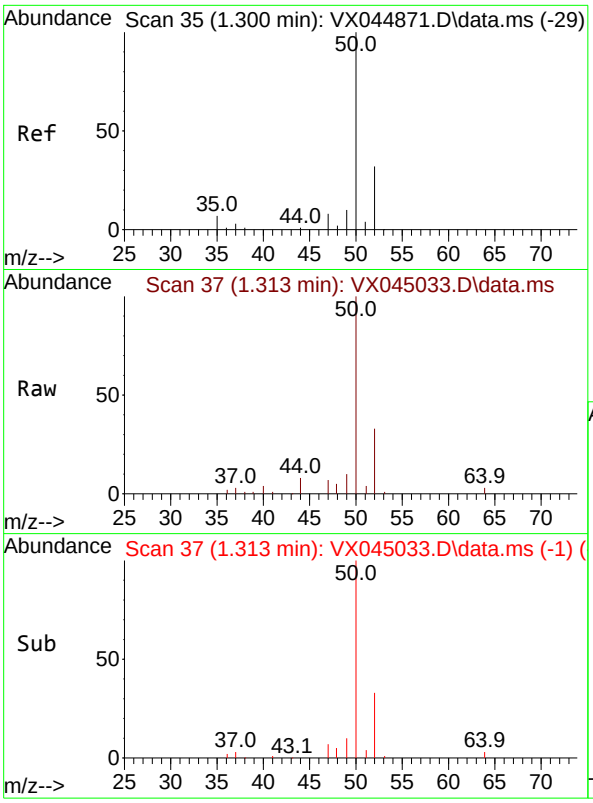


#2
Dichlorodifluoromethane
Concen: 18.116 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 85 Resp: 26428

Ion	Ratio	Lower	Upper
85	100		
87	29.6	15.8	47.3

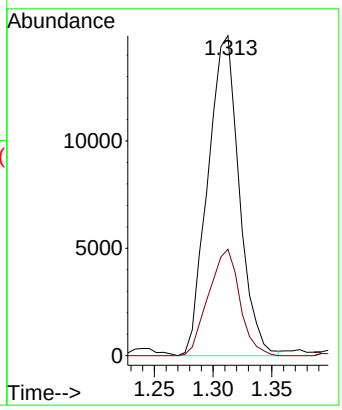




#3
Chloromethane
Concen: 15.616 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 50 Resp: 2772

Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
APPROVED

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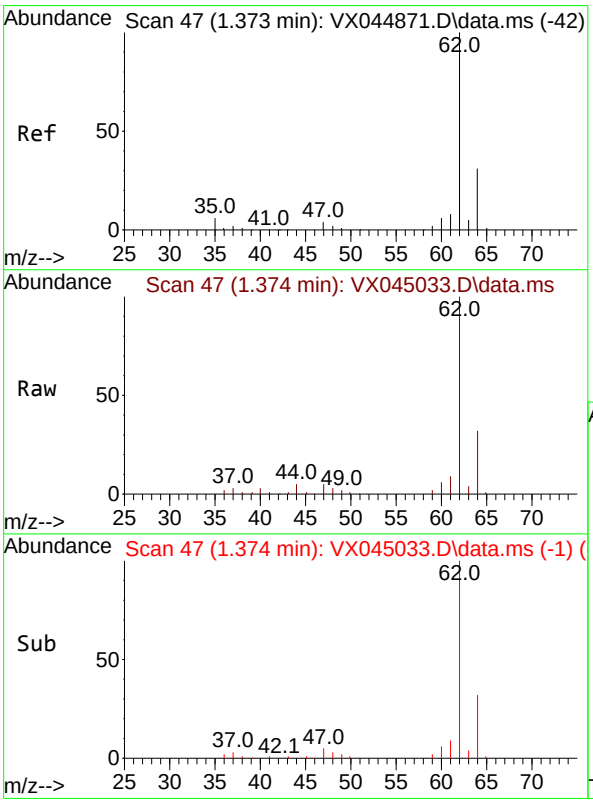
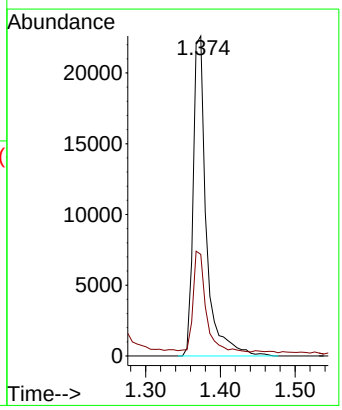
Supervised By :Mahesh Dadoda 02/26/2025

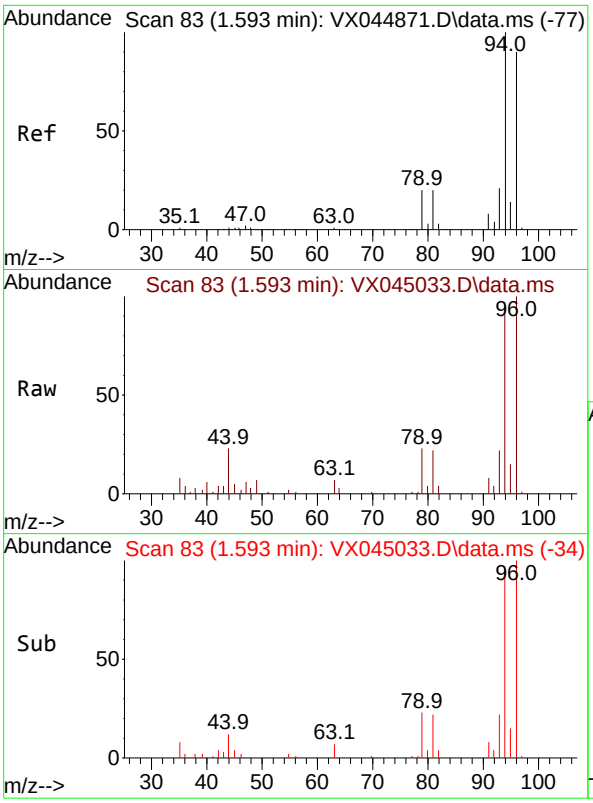


#4
Vinyl Chloride
Concen: 16.057 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 62 Resp: 27620

Ion	Ratio	Lower	Upper
62	100		
64	30.8	25.4	38.0

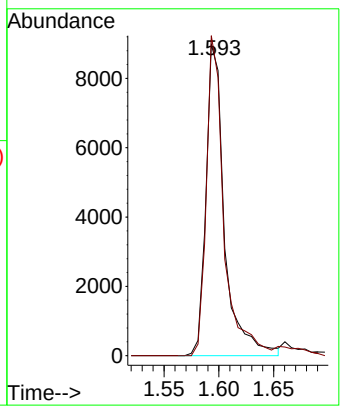




#5
Bromomethane
Concen: 20.498 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 94 Resp: 1055

Ion	Ratio	Lower	Upper
94	100		
96	102.8	71.6	107.4



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
APPROVED

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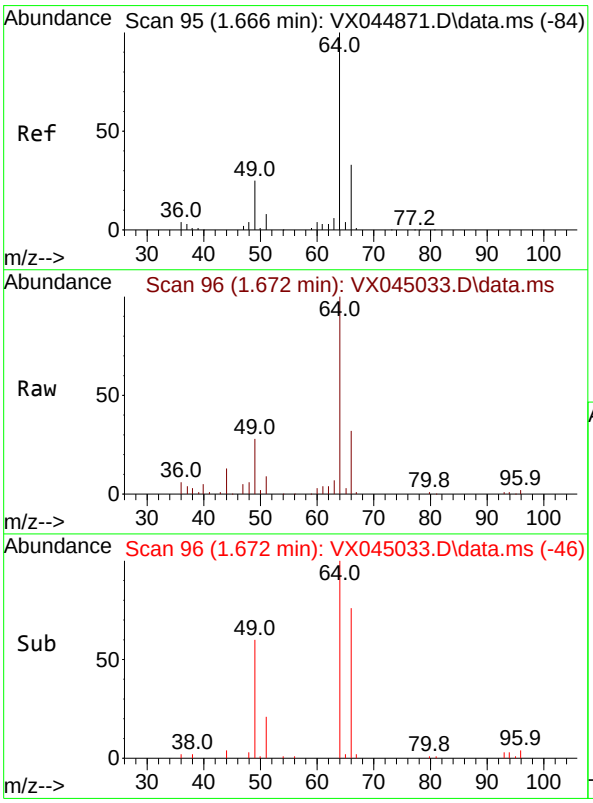
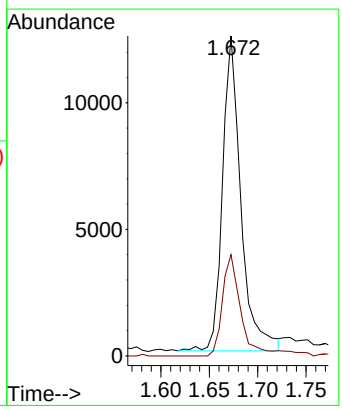
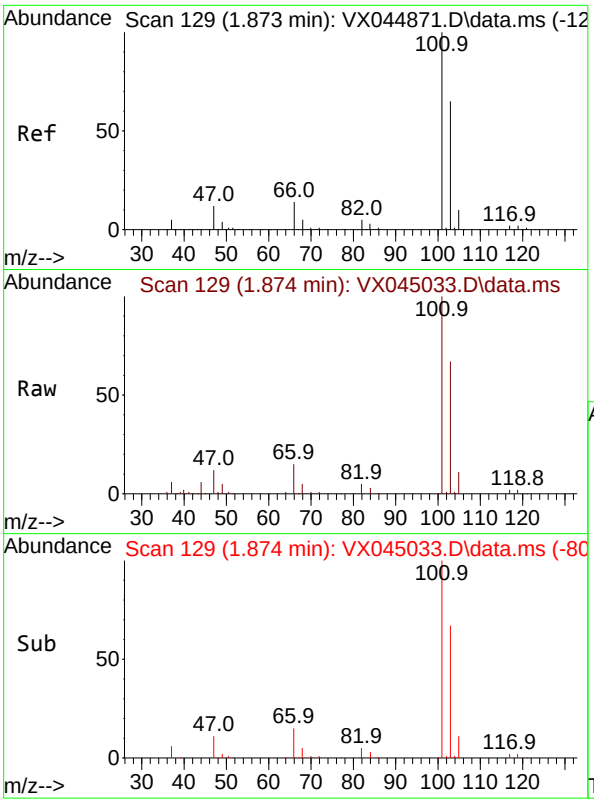


#6
Chloroethane
Concen: 22.738 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 64 Resp: 16473

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.9	38.9

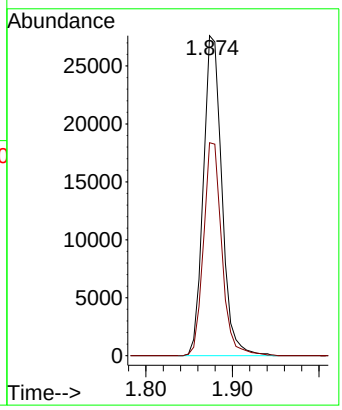




#7
Trichlorofluoromethane
Concen: 18.886 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:101 Resp: 4108

Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.4	78.6



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
APPROVED

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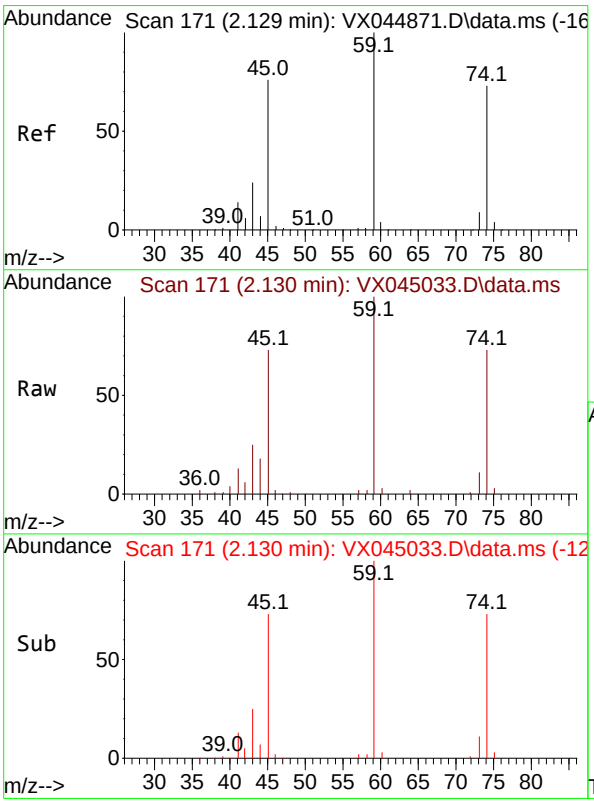
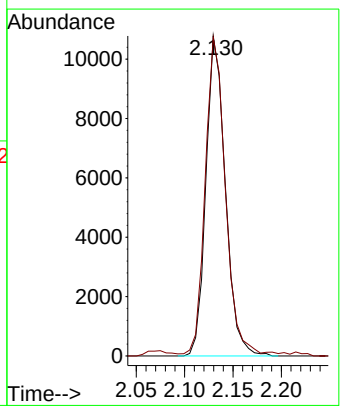
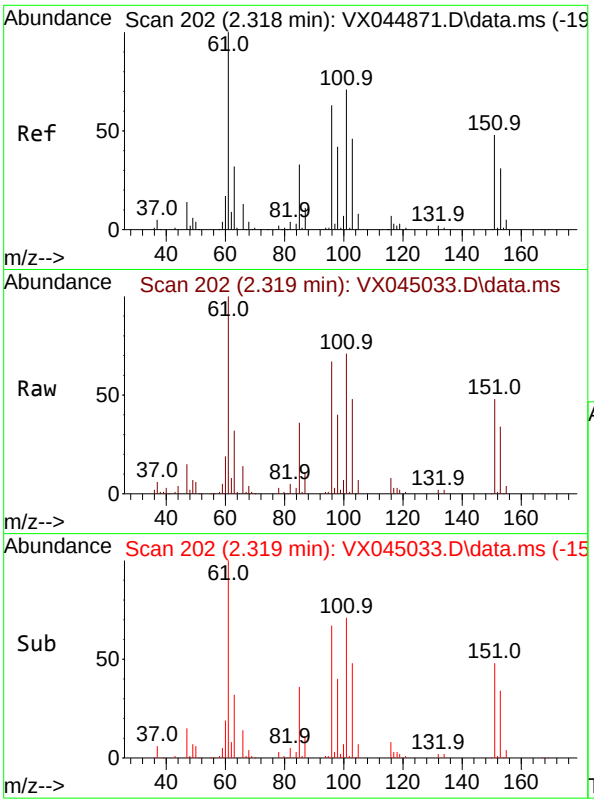


#8
Diethyl Ether
Concen: 19.077 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 74 Resp: 15050

Ion	Ratio	Lower	Upper
74	100		
45	102.3	51.1	153.4

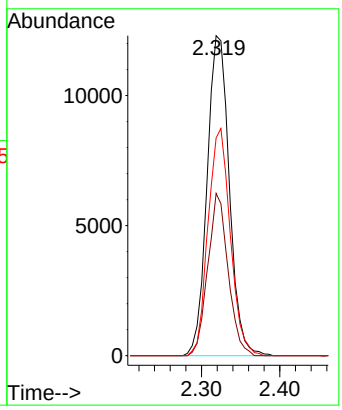




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.431 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:101 Resp: 2422

Ion	Ratio	Lower	Upper
101	100		
85	46.4	35.7	53.5
151	71.0	56.0	84.0



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
APPROVED

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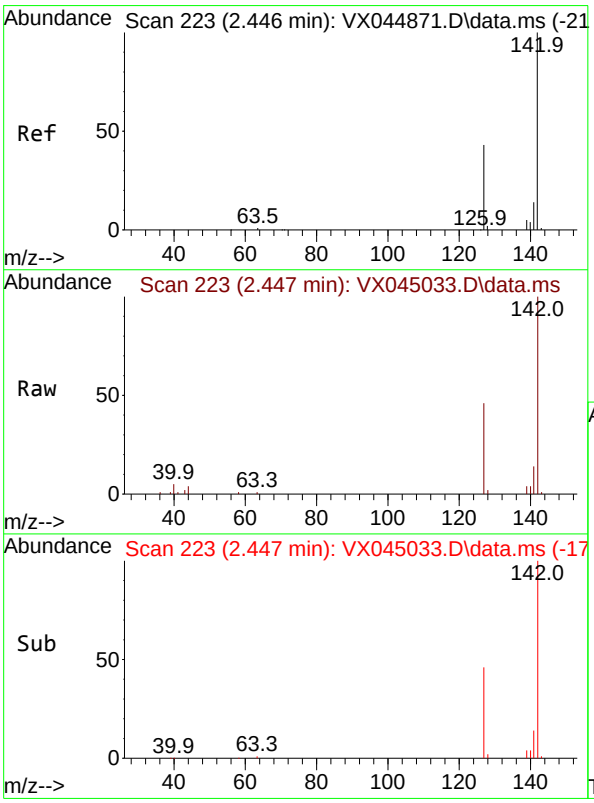
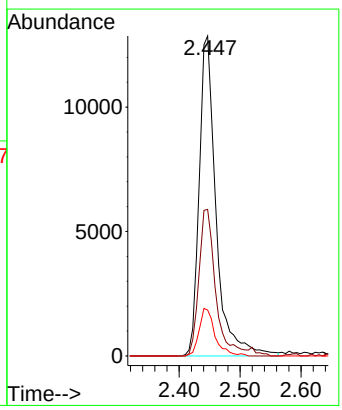
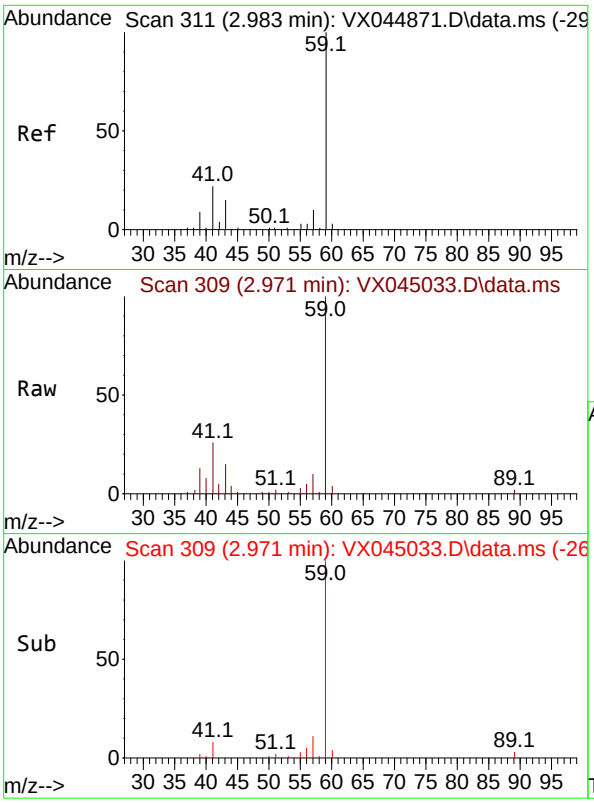


#10
Methyl Iodide
Concen: 14.530 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:142 Resp: 24750

Ion	Ratio	Lower	Upper
142	100		
127	46.5	34.3	51.5
141	14.0	11.4	17.2

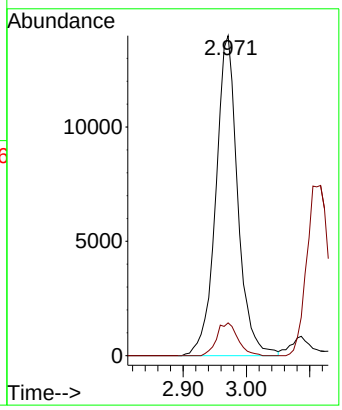




#11
Tert butyl alcohol
Concen: 118.846 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 59 Resp: 3357

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
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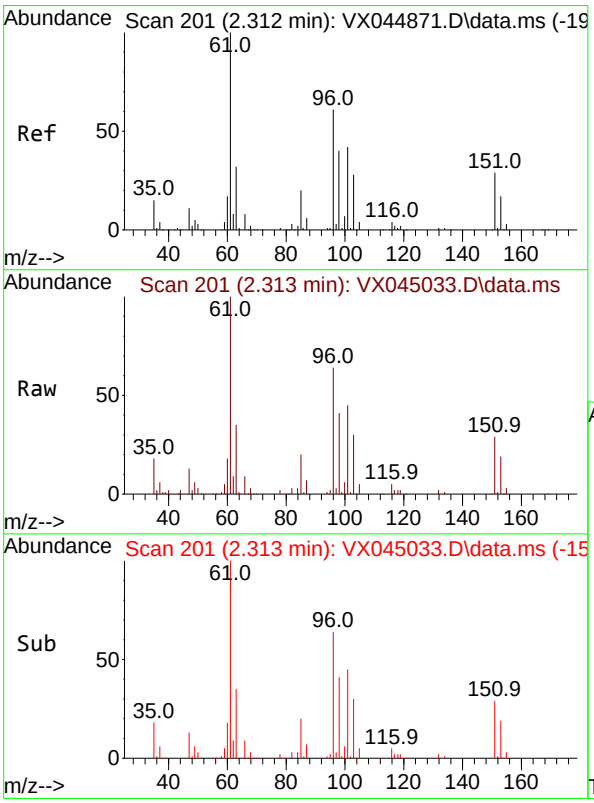
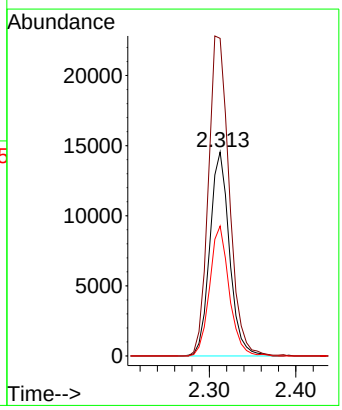
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

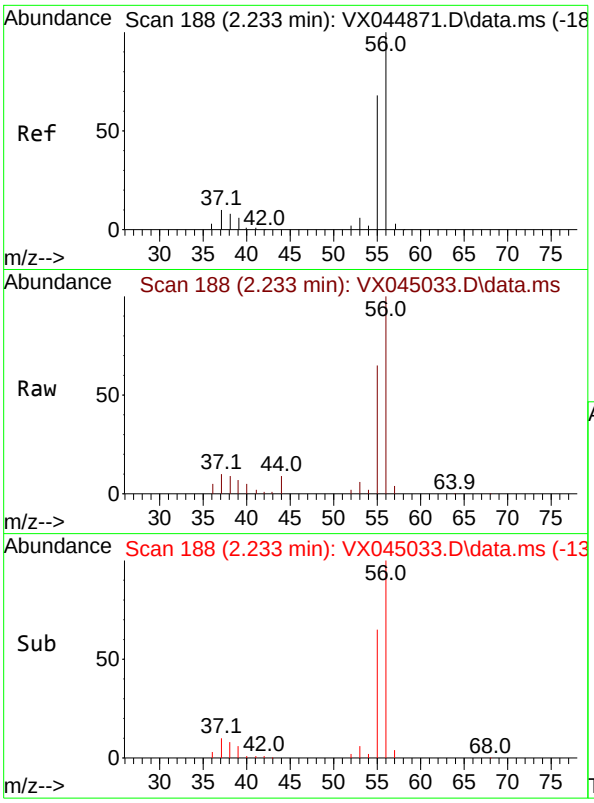


#12
1,1-Dichloroethene
Concen: 17.106 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 96 Resp: 22933

Ion	Ratio	Lower	Upper
96	100		
61	155.7	130.2	195.4
98	63.7	52.2	78.4

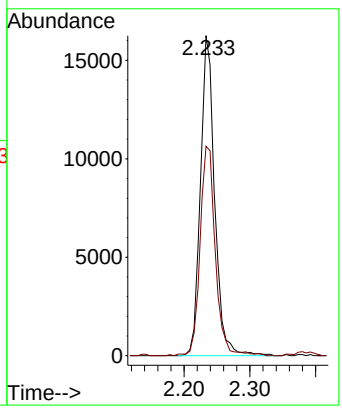




#13
Acrolein
Concen: 83.978 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 56 Resp: 2447

Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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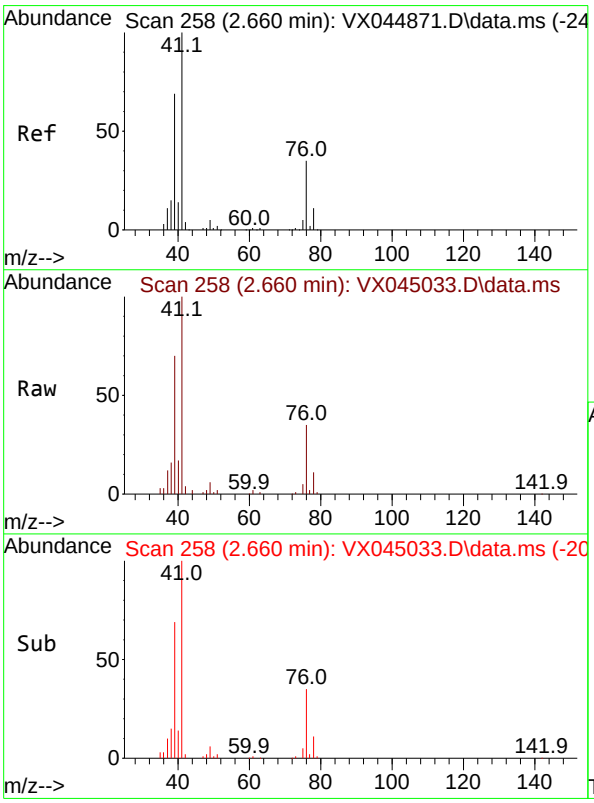
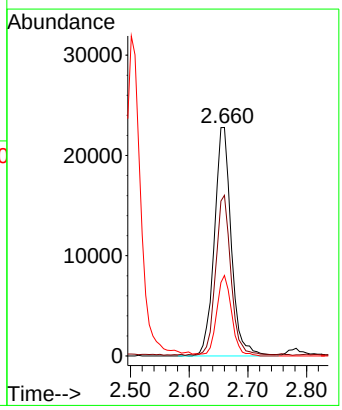
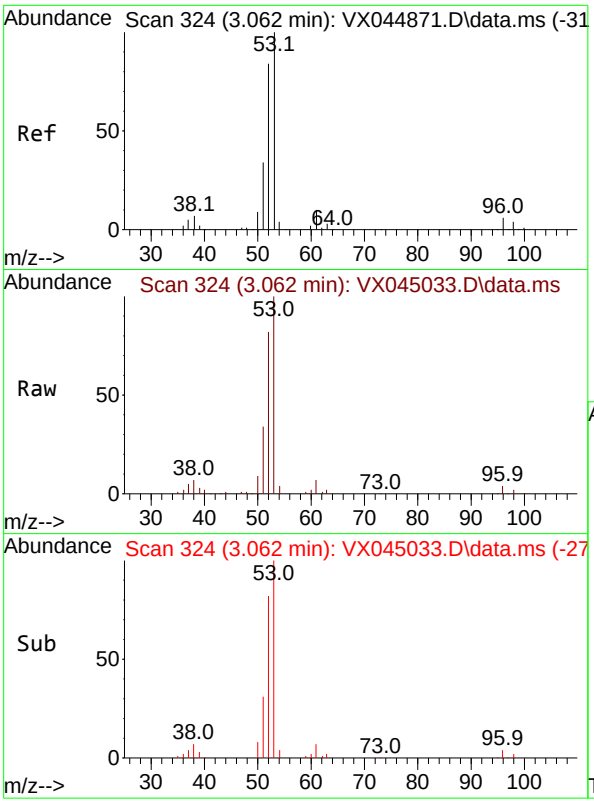


#14
Allyl chloride
Concen: 18.853 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 41 Resp: 45680

Ion	Ratio	Lower	Upper
41	100		
39	63.5	51.4	77.2
76	31.1	27.0	40.4

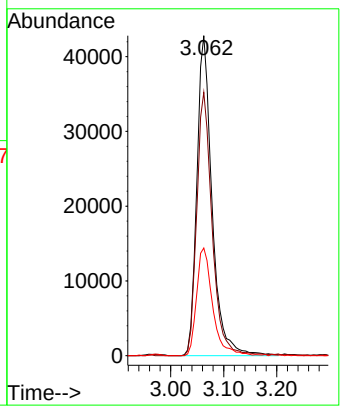




#15
Acrylonitrile
Concen: 113.101 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 53 Resp: 8529

Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.0	97.6
51	35.6	28.0	42.0



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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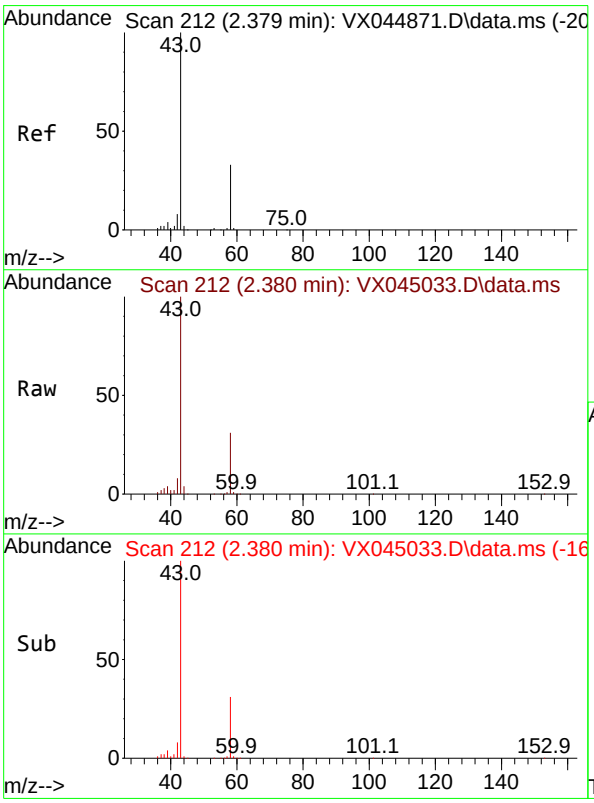
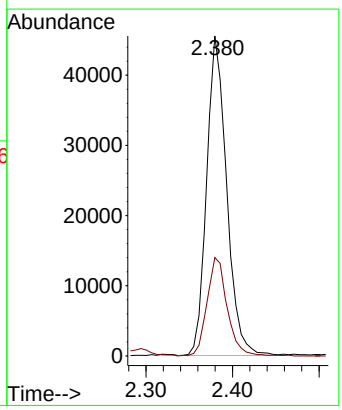
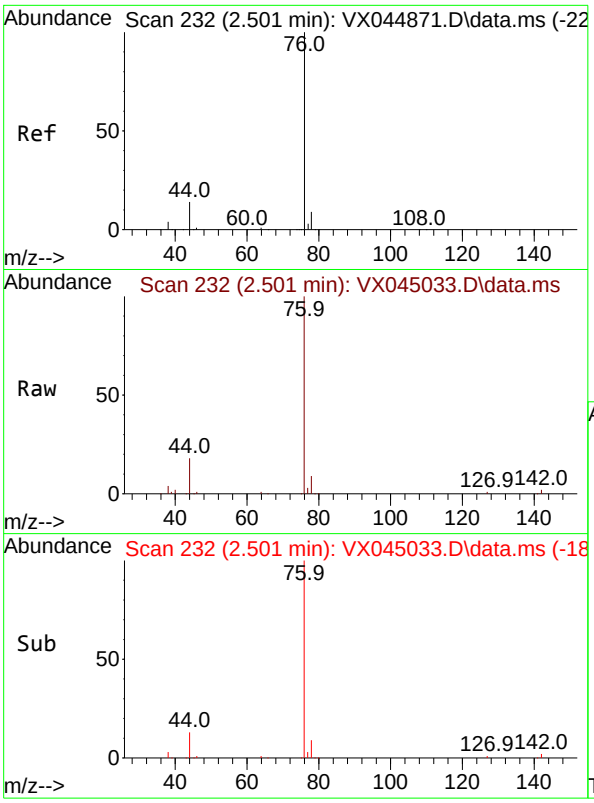


#16
Acetone
Concen: 119.468 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 73126

Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.5	39.7





#17
Carbon Disulfide
Concen: 15.331 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 76 Resp: 5636

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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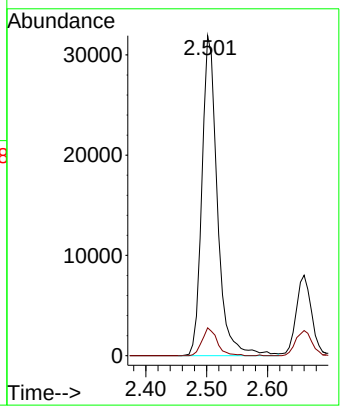
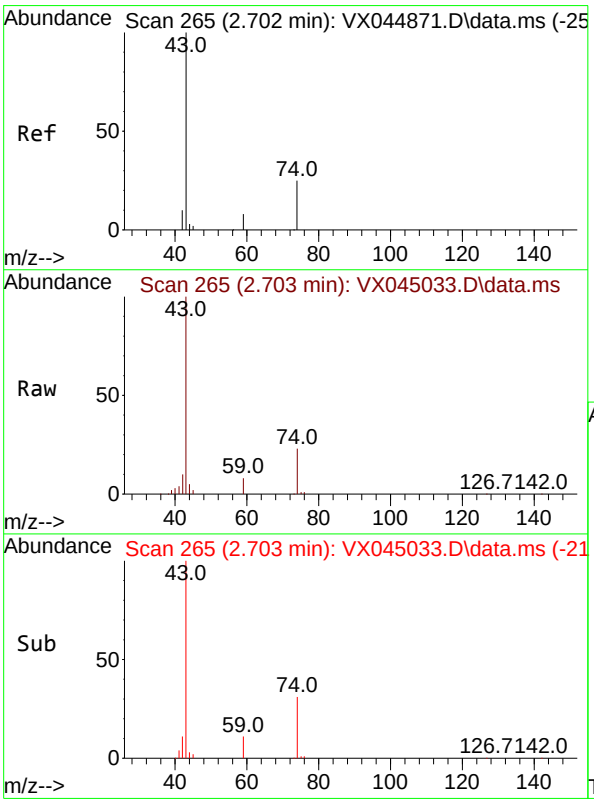
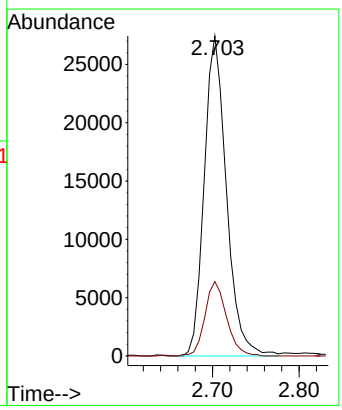


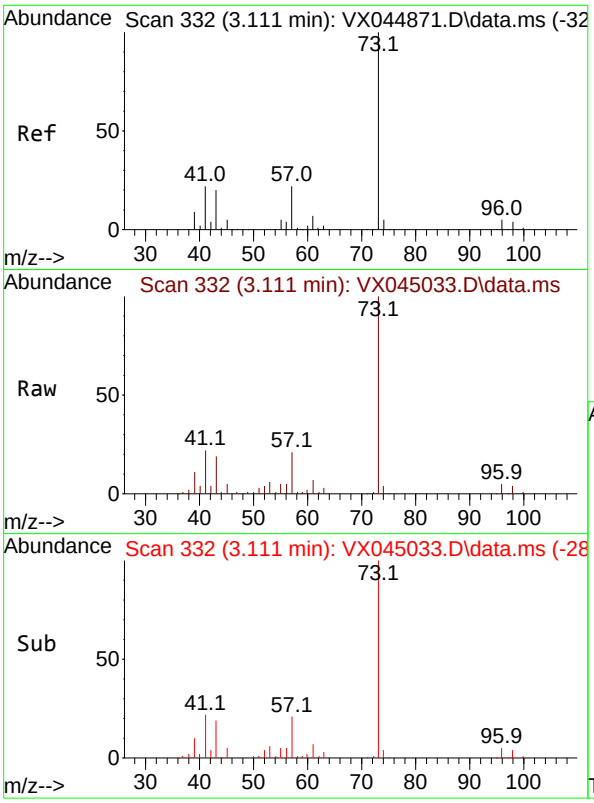


#18
Methyl Acetate
Concen: 25.325 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 48917

Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.9	28.3

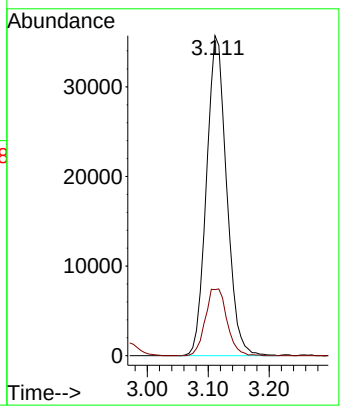




#19
Methyl tert-butyl Ether
Concen: 19.230 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 73 Resp: 8202

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.9	26.9



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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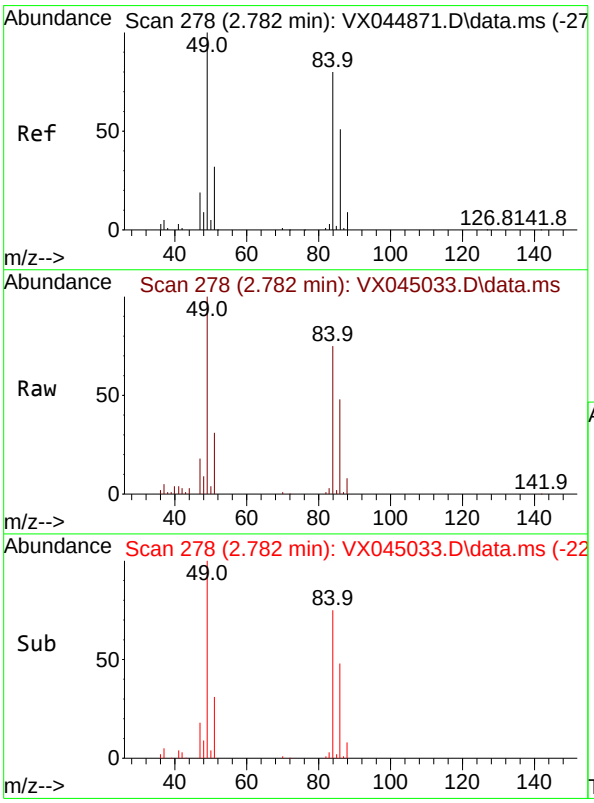
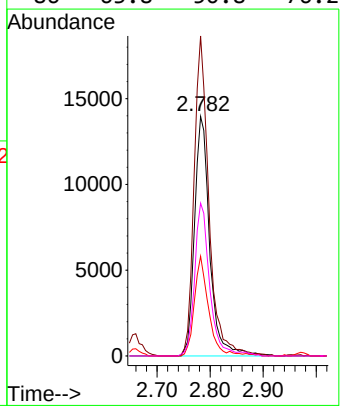
Supervised By :Mahesh Dadoda 02/26/2025

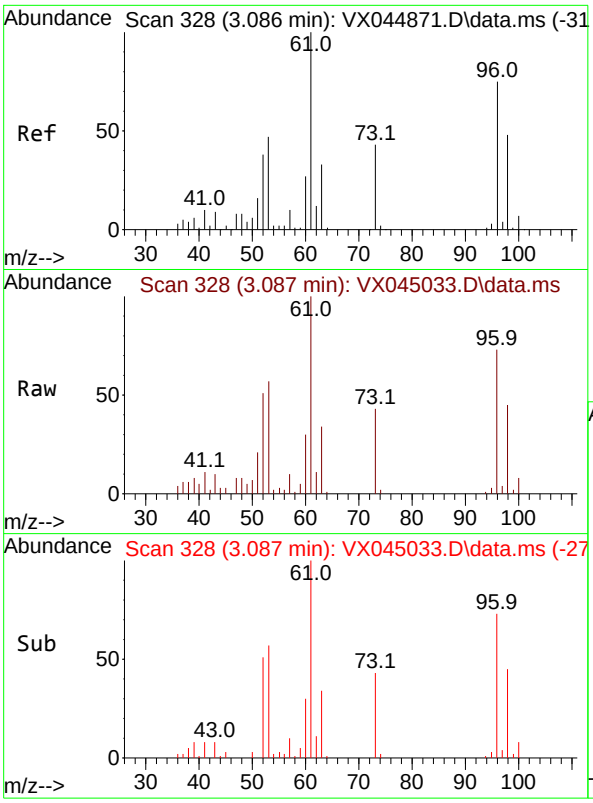


#20
Methylene Chloride
Concen: 18.510 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 84 Resp: 27752

Ion	Ratio	Lower	Upper
84	100		
49	133.6	100.1	150.1
51	41.6	31.7	47.5
86	63.8	50.8	76.2





#21
trans-1,2-Dichloroethene
Concen: 17.552 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 96 Resp: 2316

Ion	Ratio	Lower	Upper
96	100		
61	137.5	106.0	159.0
98	62.1	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
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Reviewed By :John Carlone 02/26/2025
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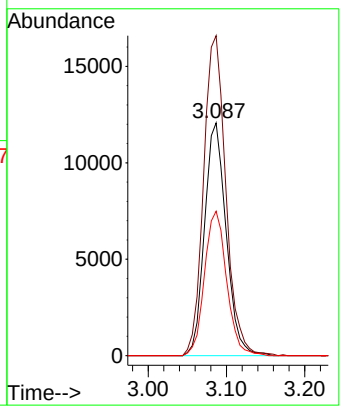
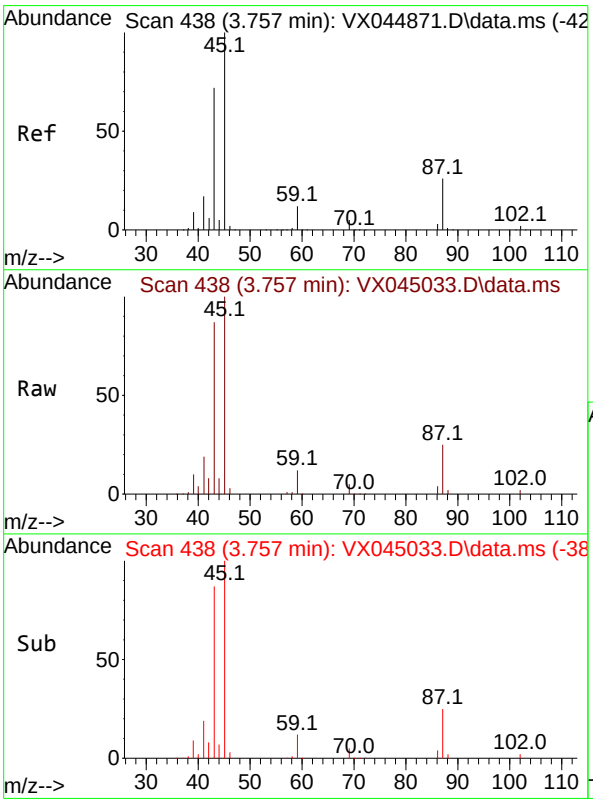
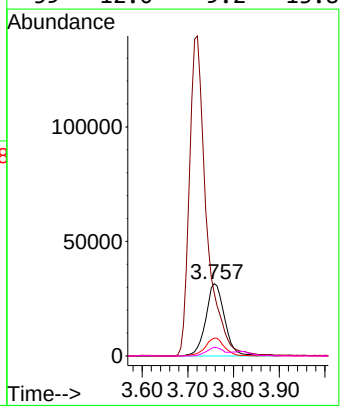


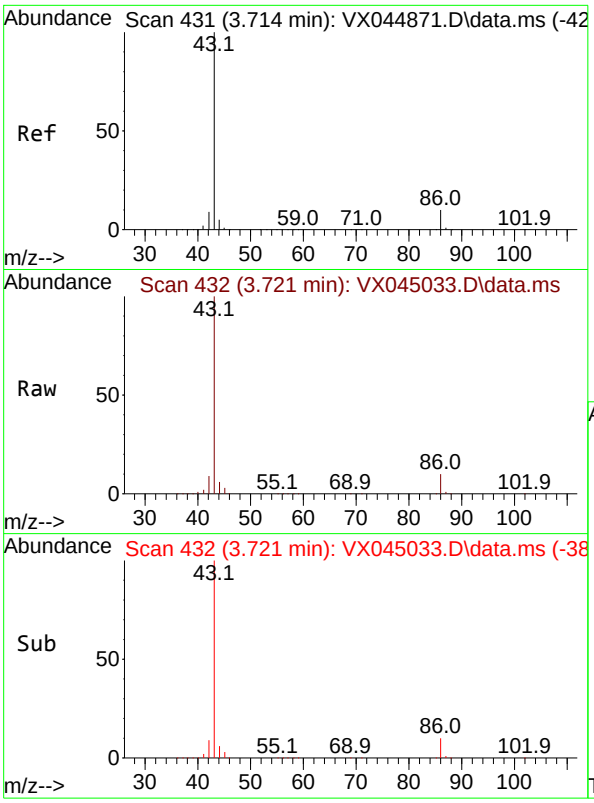


#22
Diisopropyl ether
Concen: 19.790 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 45 Resp: 90716

Ion	Ratio	Lower	Upper
45	100		
43	86.1	58.0	87.0
87	24.5	20.7	31.1
59	12.0	9.2	13.8





#23
Vinyl Acetate
Concen: 97.941 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 36600

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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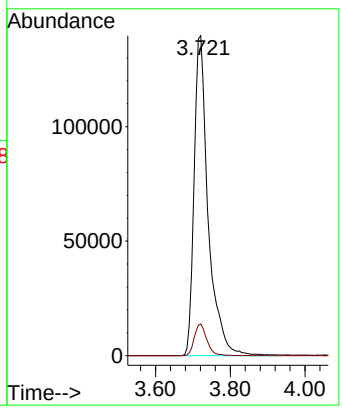
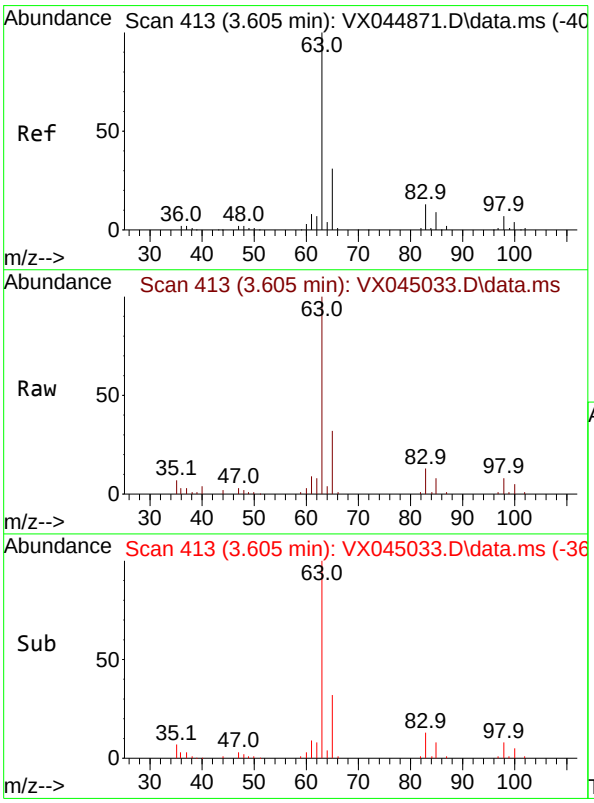
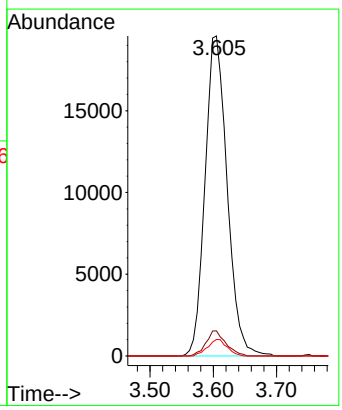


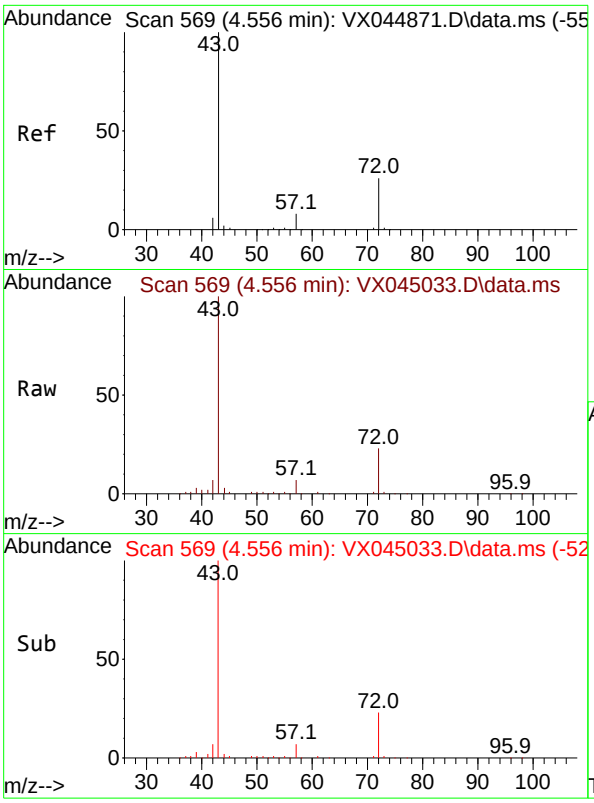


#24
1,1-Dichloroethane
Concen: 18.550 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 63 Resp: 47577

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.3	9.9
100	5.2	2.1	6.5





#25
2-Butanone
Concen: 120.352 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 11962

Ion	Ratio	Lower	Upper
43	100		
72	23.0	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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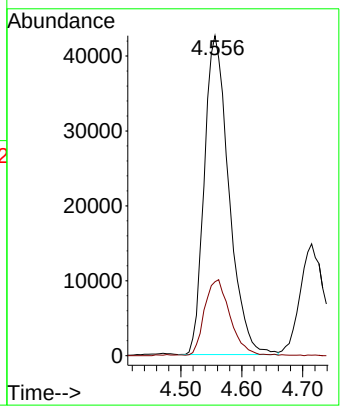
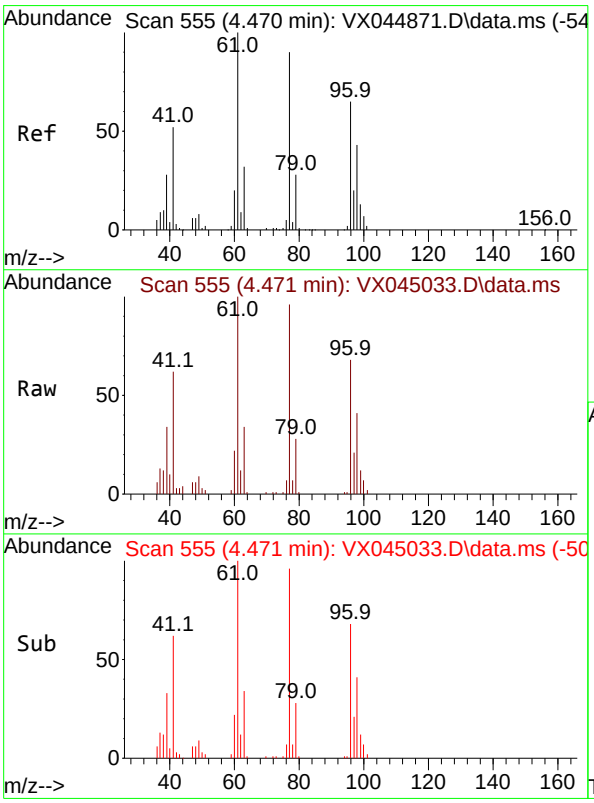
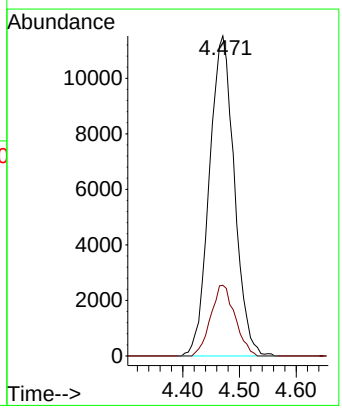


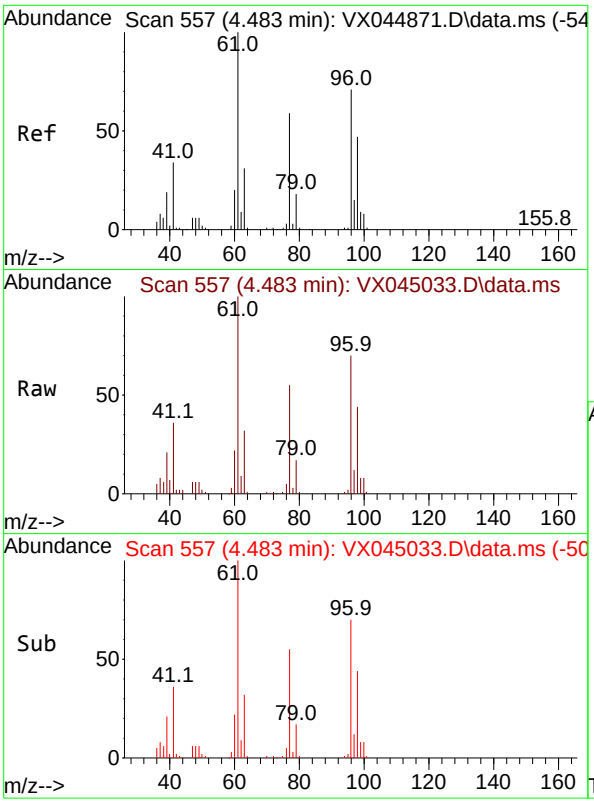


#26
2,2-Dichloropropane
Concen: 17.358 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 77 Resp: 35307

Ion	Ratio	Lower	Upper
77	100		
97	21.5	11.8	35.3

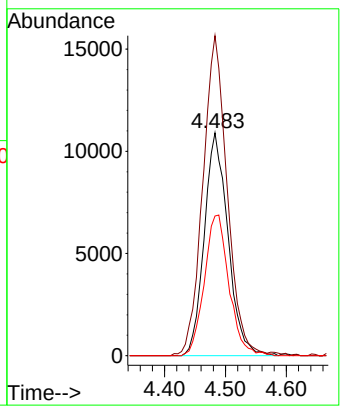




#27
cis-1,2-Dichloroethene
Concen: 18.628 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 96 Resp: 2952

Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	294.0
98	65.6	0.0	131.2



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
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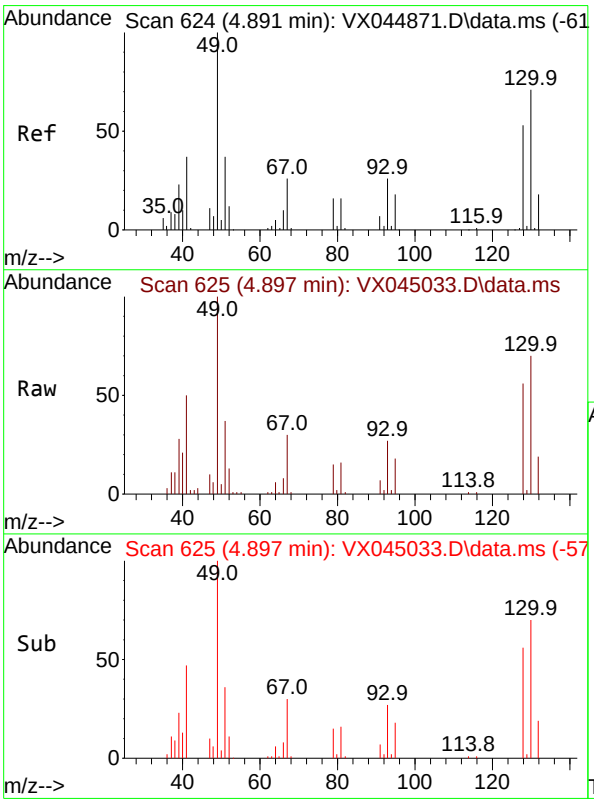
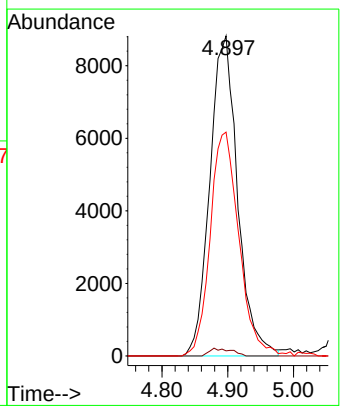
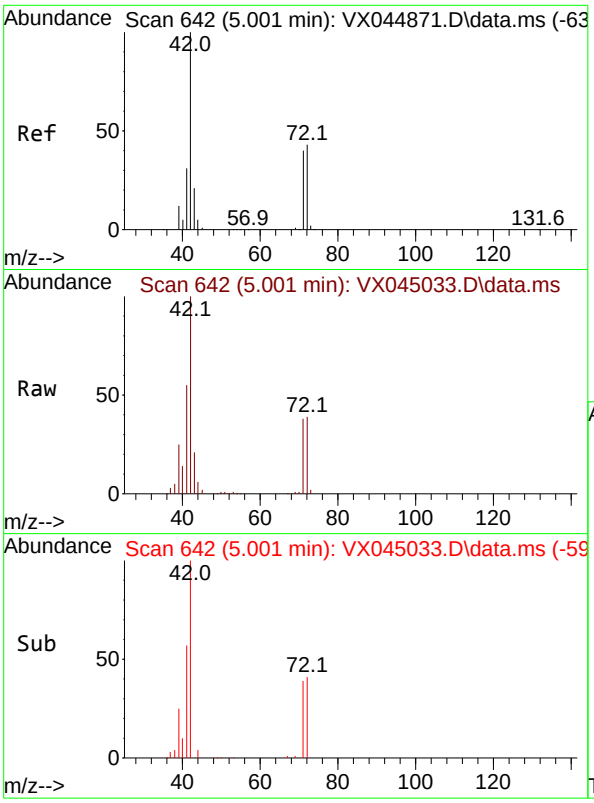


#28
Bromochloromethane
Concen: 21.051 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 49 Resp: 25948

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	72.4	56.7	85.1

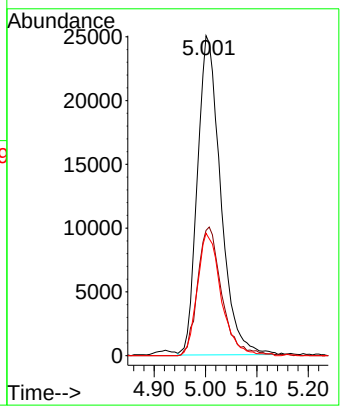




#29
Tetrahydrofuran
Concen: 119.207 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 42 Resp: 7867

Ion	Ratio	Lower	Upper
42	100		
72	42.1	35.0	52.4
71	39.3	32.6	48.8



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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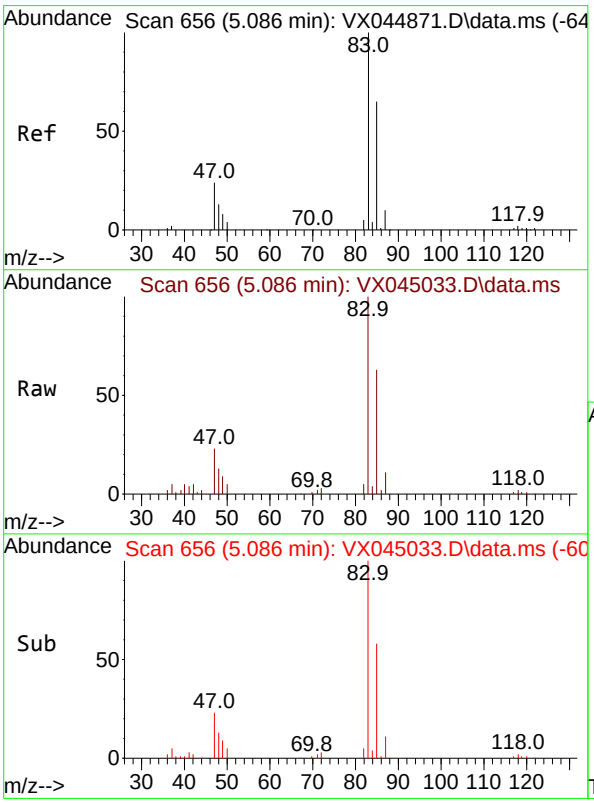
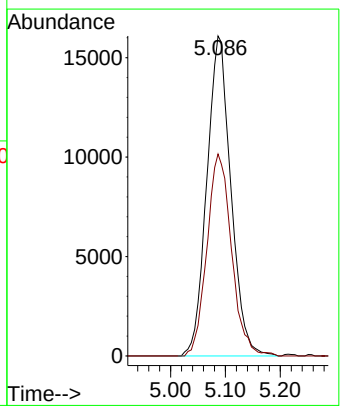
Supervised By :Mahesh Dadoda 02/26/2025

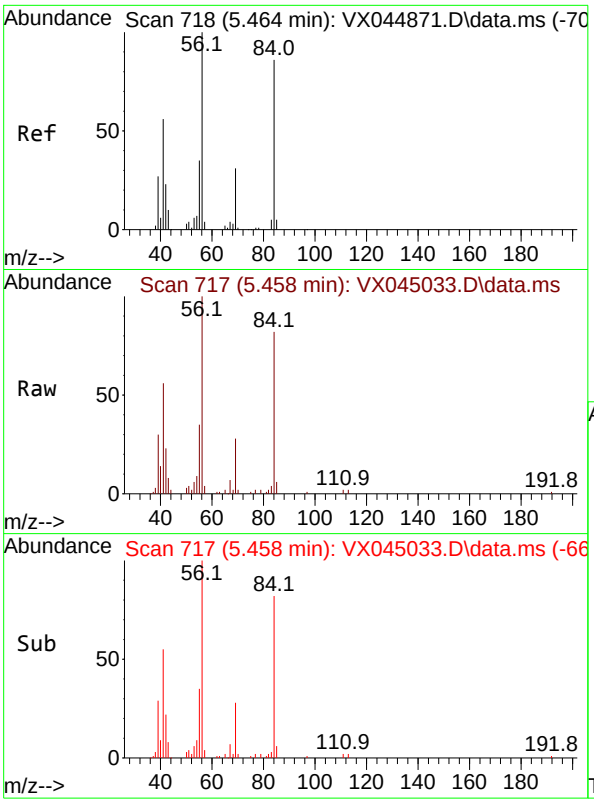


#30
Chloroform
Concen: 19.701 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 83 Resp: 49005

Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.1	78.1

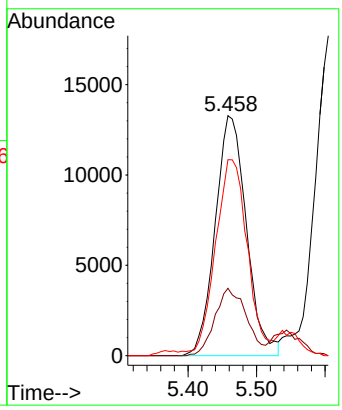




#31
Cyclohexane
Concen: 17.756 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 56 Resp: 4198

Ion	Ratio	Lower	Upper
56	100		
69	28.1	24.4	36.6
84	80.2	69.0	103.6



Instrument :
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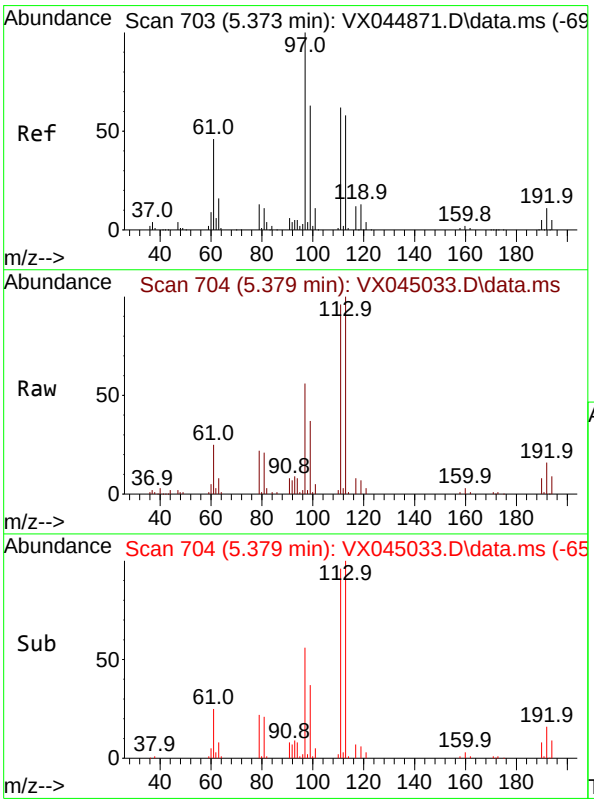
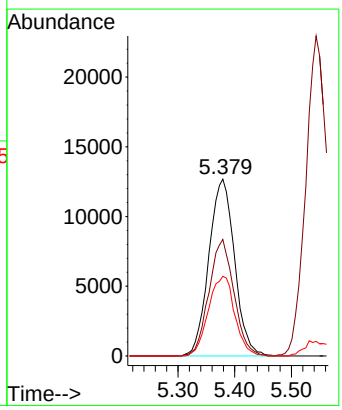
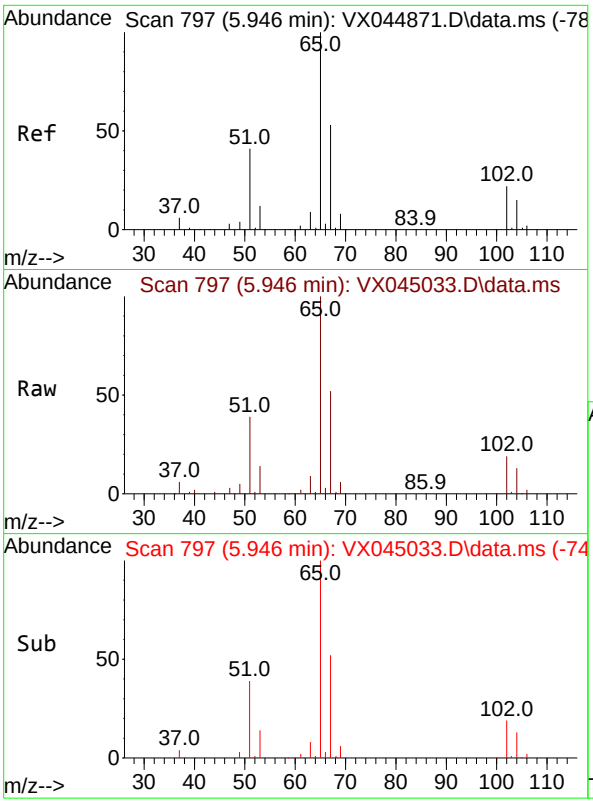


#32
1,1,1-Trichloroethane
Concen: 18.921 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 97 Resp: 39919

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	46.2	36.6	55.0

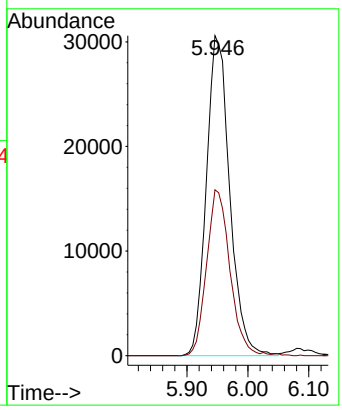




#33
1,2-Dichloroethane-d4
Concen: 53.383 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 65 Resp: 8128

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	108.2



Instrument :
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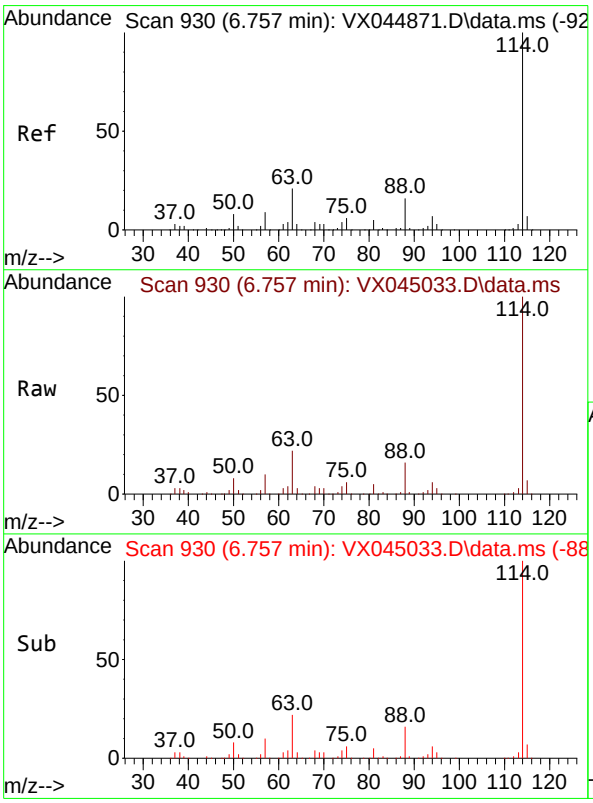
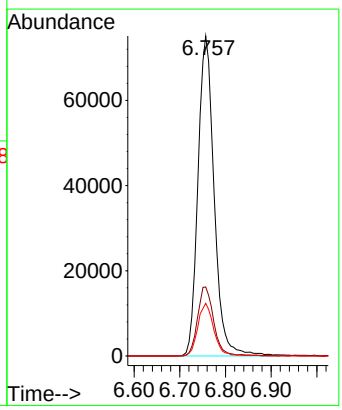
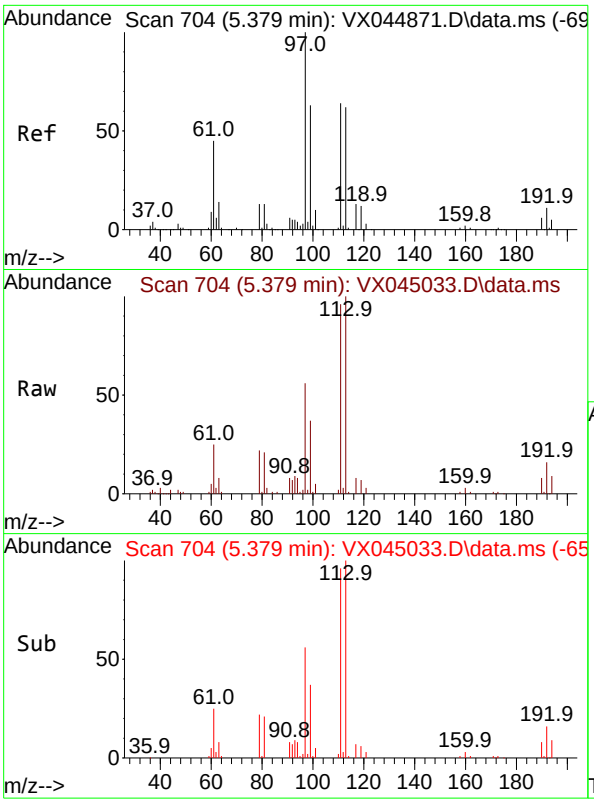


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:114 Resp: 184616

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.4
88	16.4	0.0	31.4

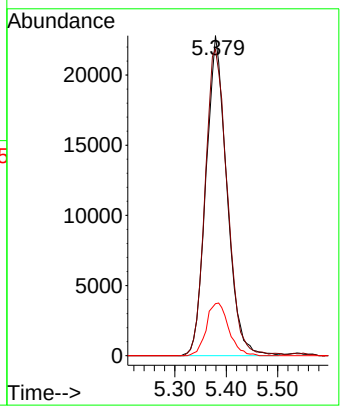




#35
Dibromofluoromethane
Concen: 53.701 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:113 Resp: 6445

Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.5	125.3
192	17.6	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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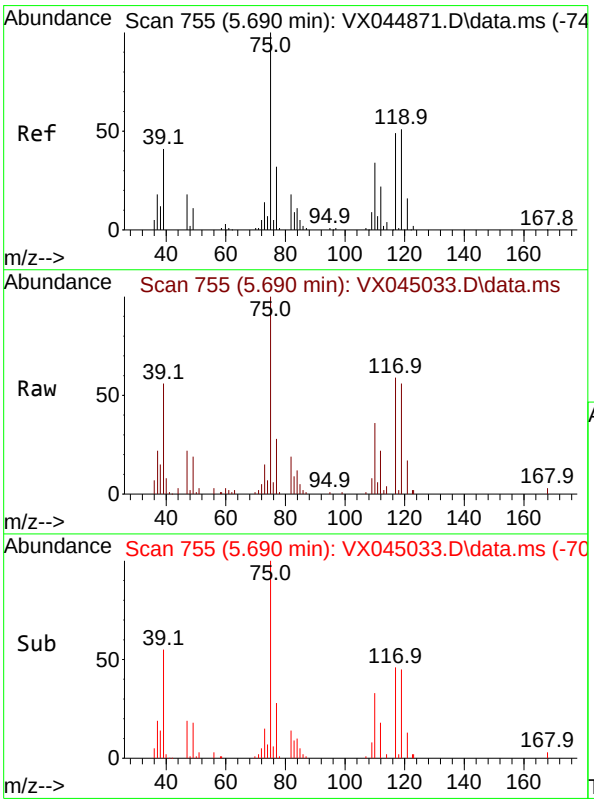
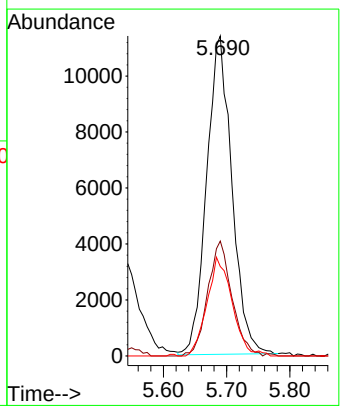
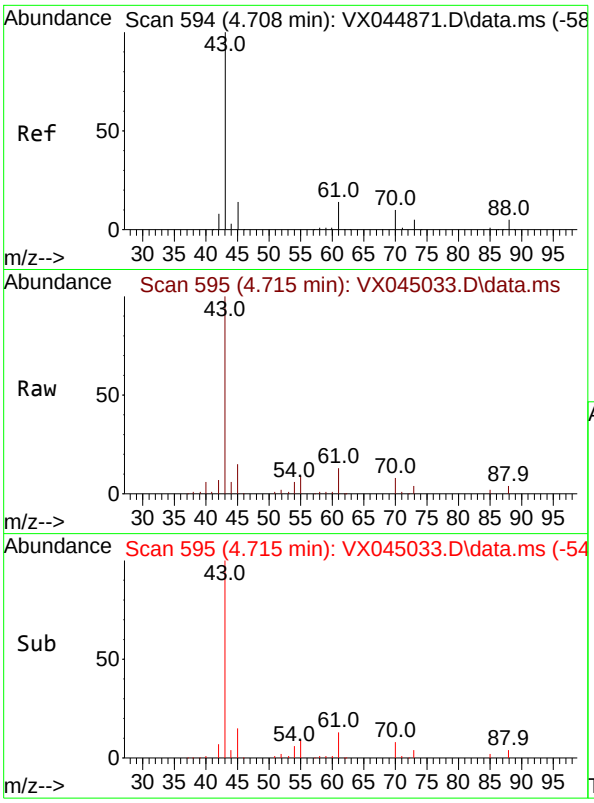


#36
1,1-Dichloropropene
Concen: 18.184 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 75 Resp: 31489

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.2	51.6
77	31.0	24.6	37.0

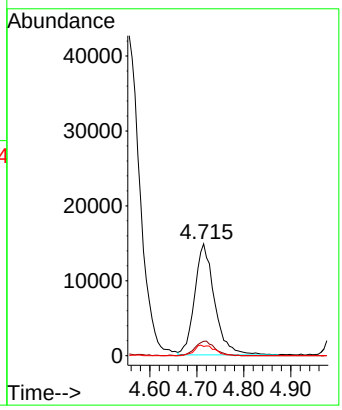




#37
Ethyl Acetate
Concen: 22.562 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 4345

Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.4
70	9.7	8.2	12.2



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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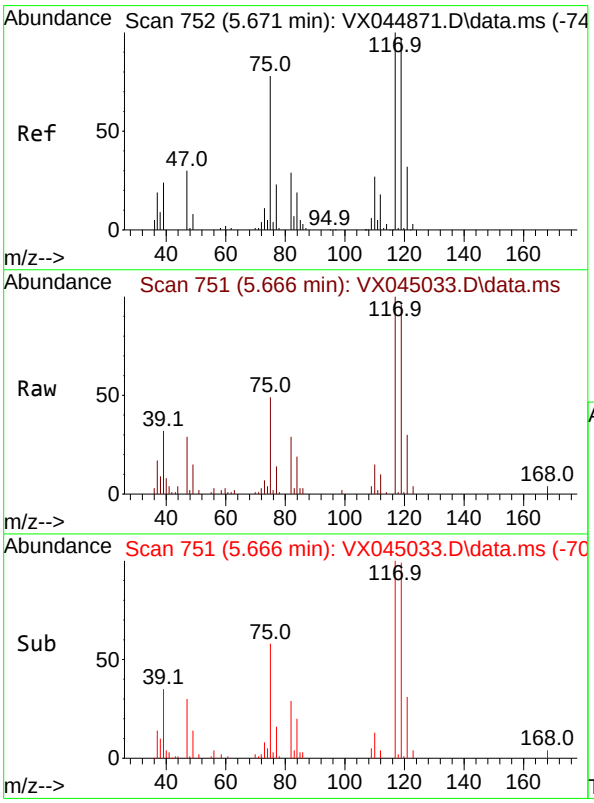
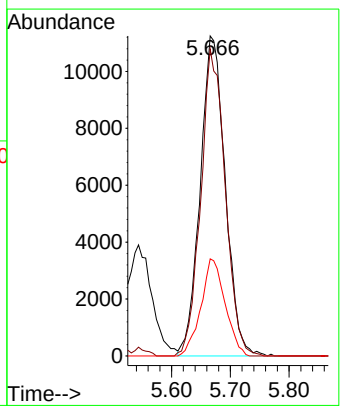
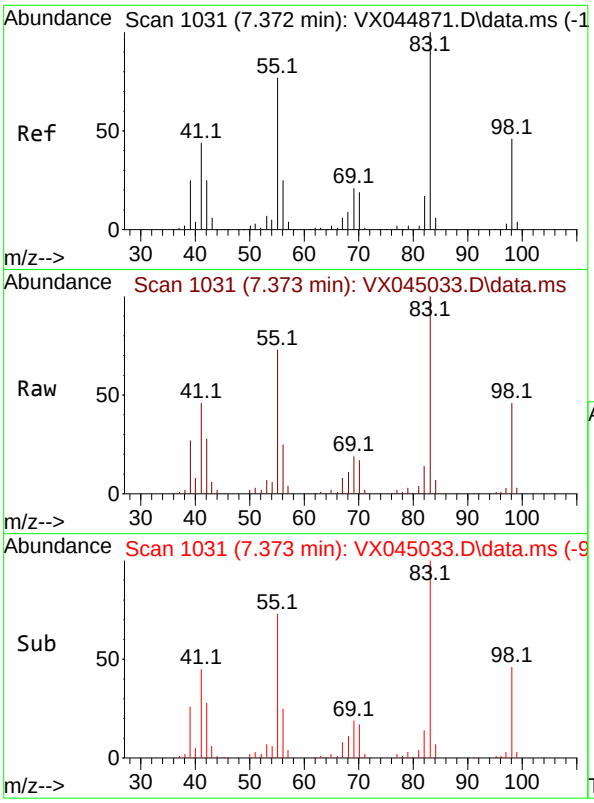


#38
Carbon Tetrachloride
Concen: 19.625 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:117 Resp: 33303

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.5	116.3
121	30.3	25.6	38.4

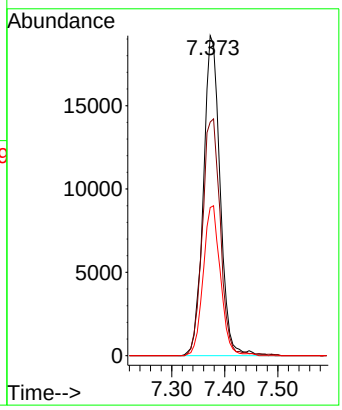




#39
Methylcyclohexane
Concen: 18.750 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 83 Resp: 4197

Ion	Ratio	Lower	Upper
83	100		
55	73.0	61.3	91.9
98	46.3	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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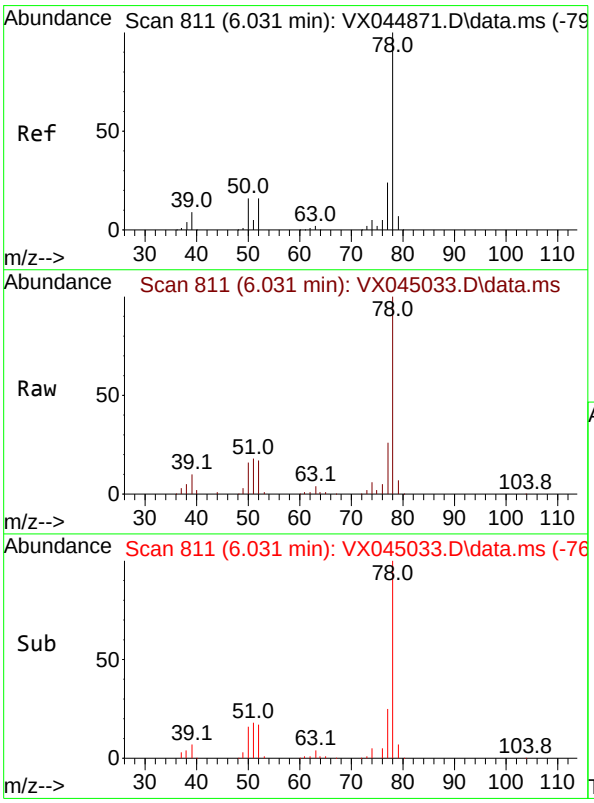
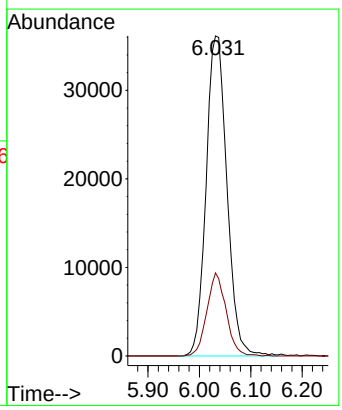
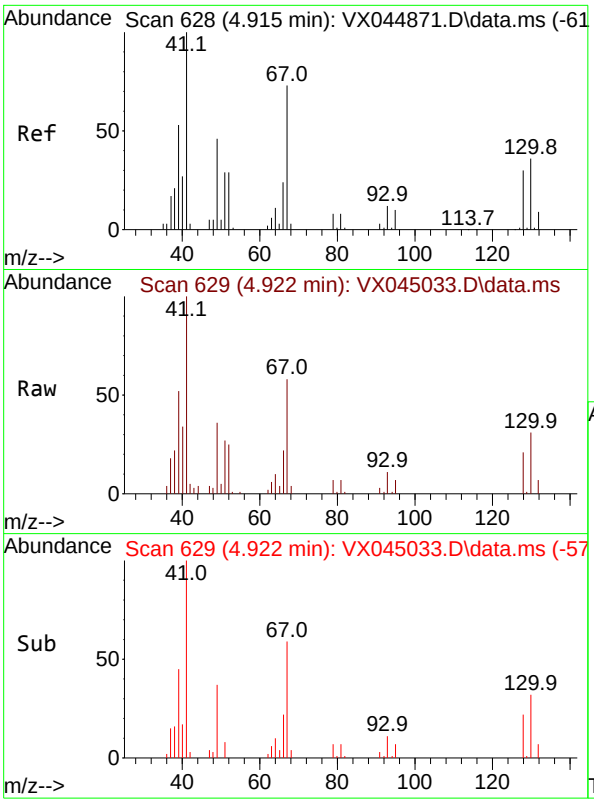


#40
Benzene
Concen: 18.805 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 78 Resp: 101685

Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.0	28.6

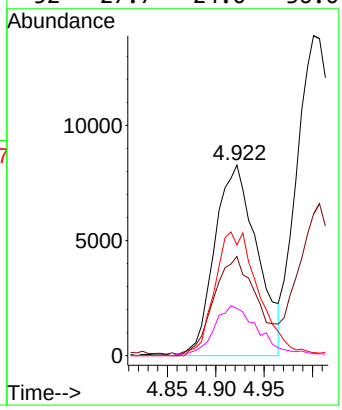




#41
Methacrylonitrile
Concen: 24.513 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 41 Resp: 2527

Ion	Ratio	Lower	Upper
41	100		
39	52.5	43.1	64.7
67	67.6	57.0	85.6
52	27.7	24.0	36.0



Instrument :
MSVOA_X
ClientSampleId :
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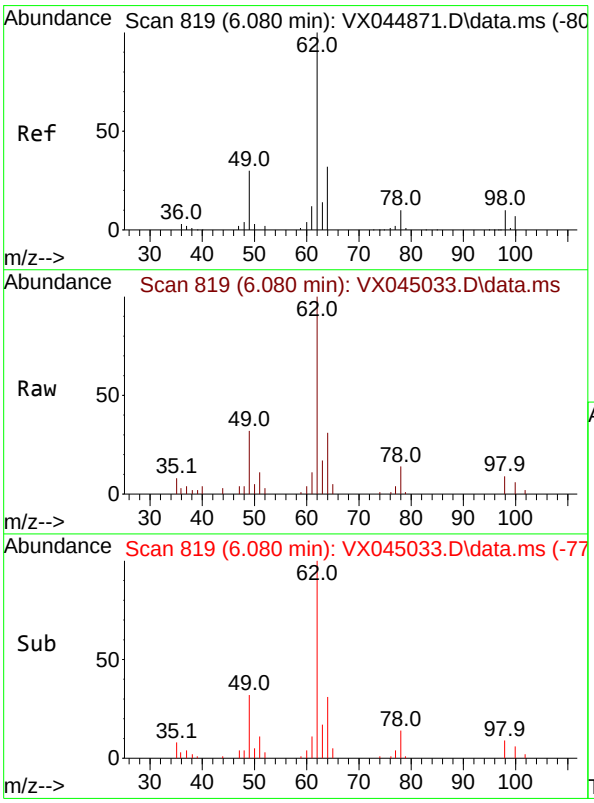
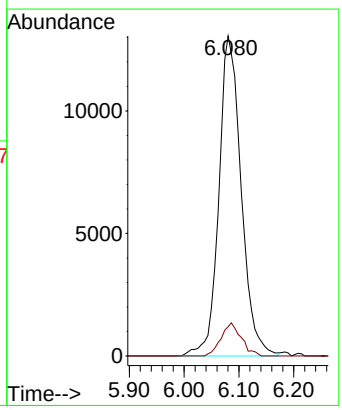
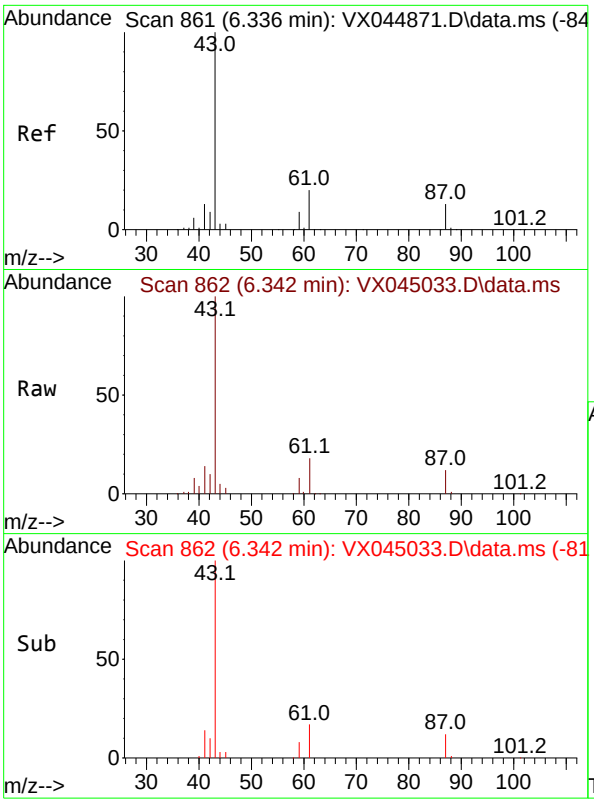


#42
1,2-Dichloroethane
Concen: 21.453 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 62 Resp: 36973

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4

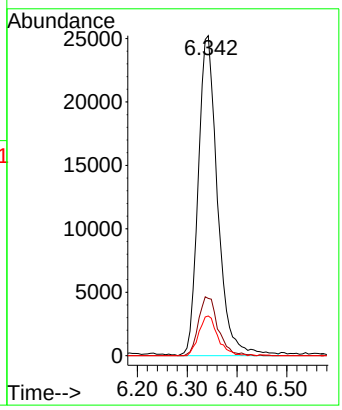




#43
Isopropyl Acetate
Concen: 21.820 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 6786

Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.8	23.8
87	12.1	10.0	15.0



Instrument :
MSVOA_X
ClientSampleId :
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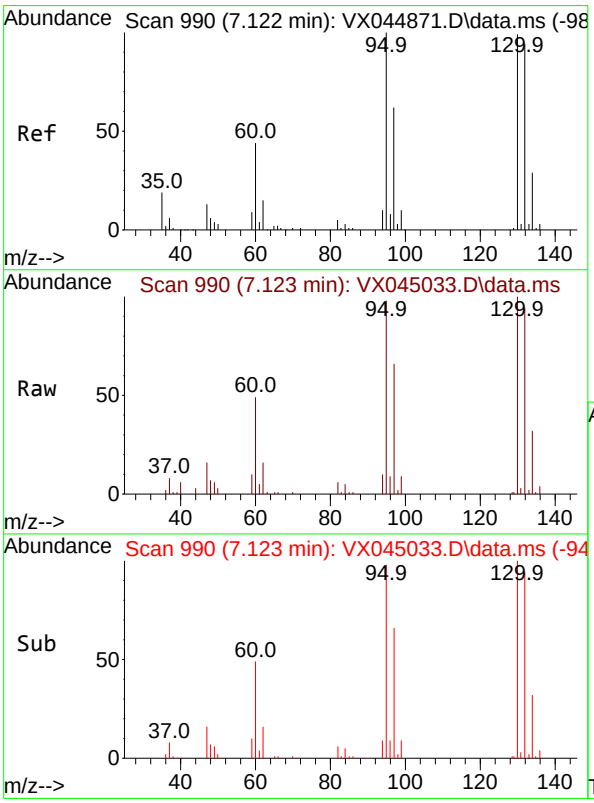
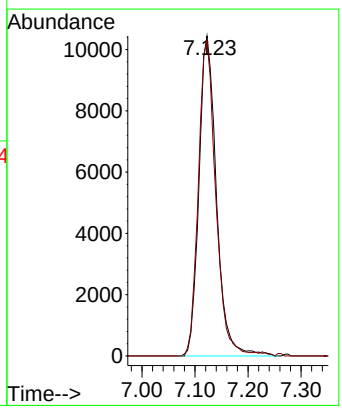
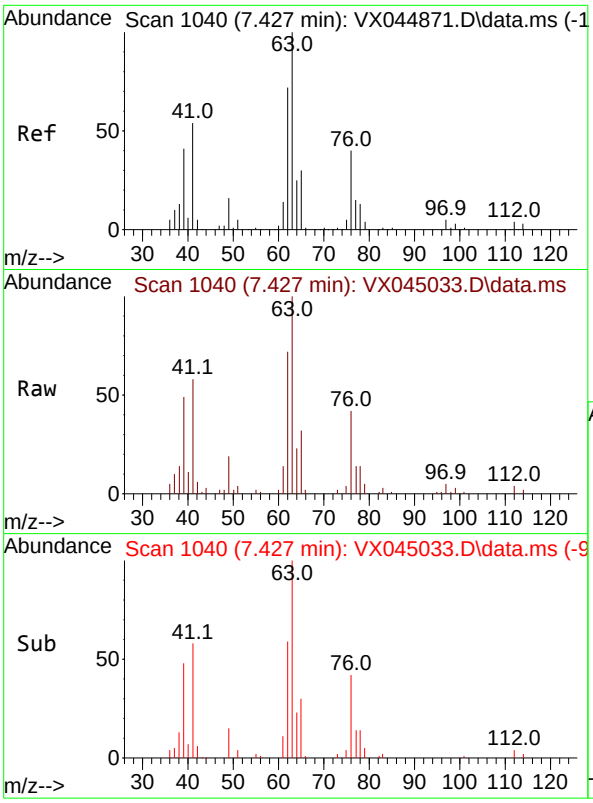


#44
Trichloroethene
Concen: 19.366 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:130 Resp: 23937

Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	202.4

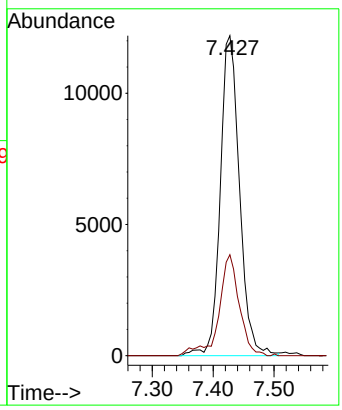




#45
1,2-Dichloropropane
Concen: 19.873 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 63 Resp: 2673

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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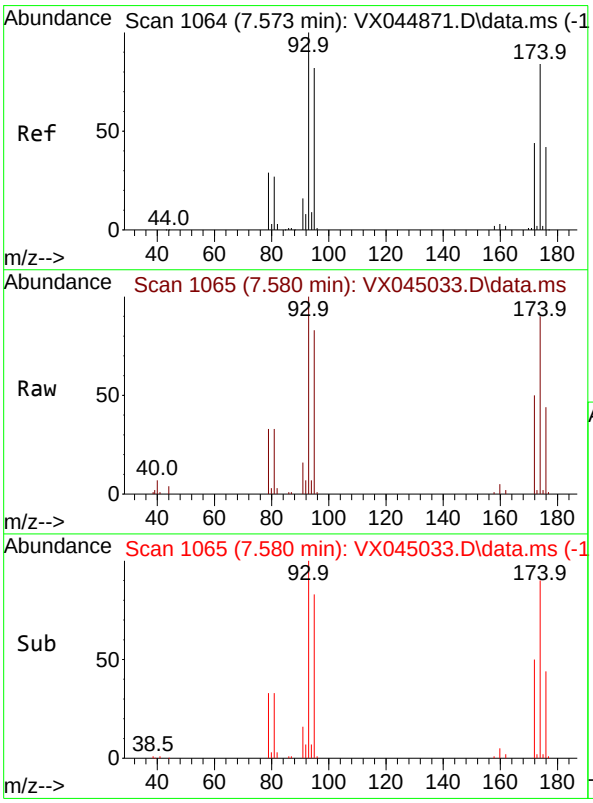
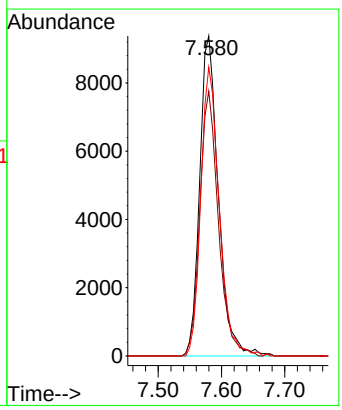
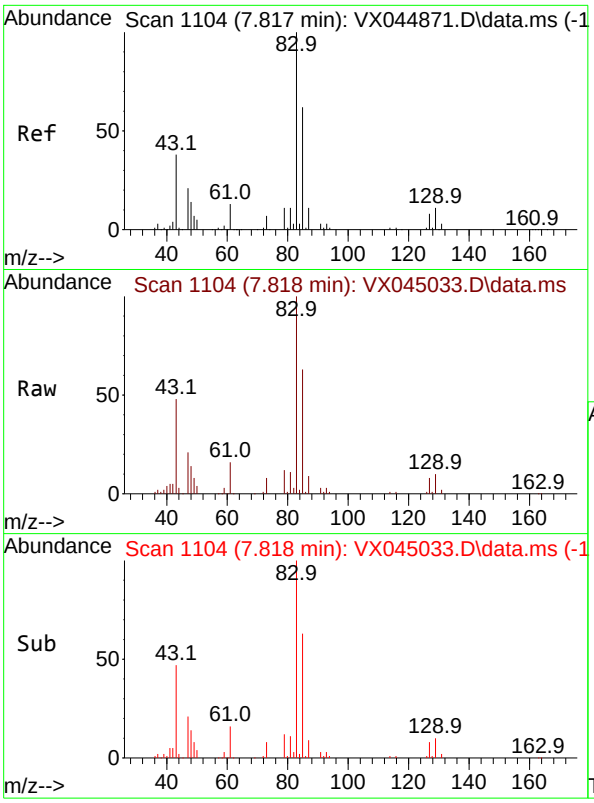


#46
Dibromomethane
Concen: 20.656 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 93 Resp: 19271

Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.2	99.4
174	89.3	69.9	104.9

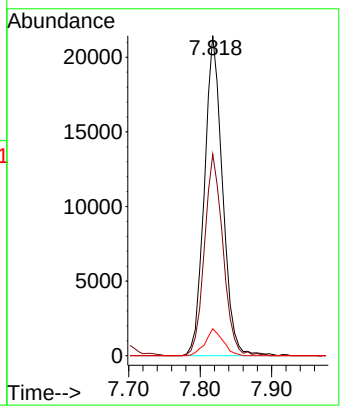




#47
Bromodichloromethane
Concen: 20.908 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 83 Resp: 3777

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.0	75.0
127	8.4	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
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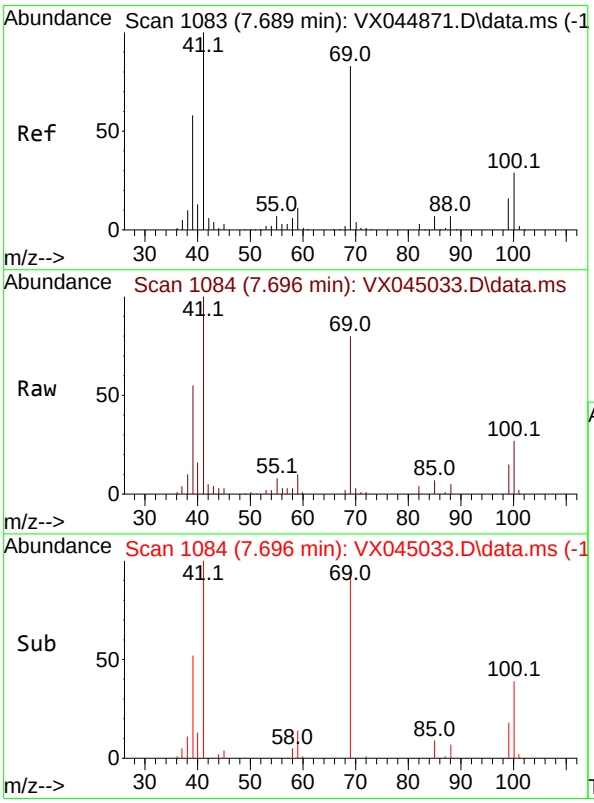
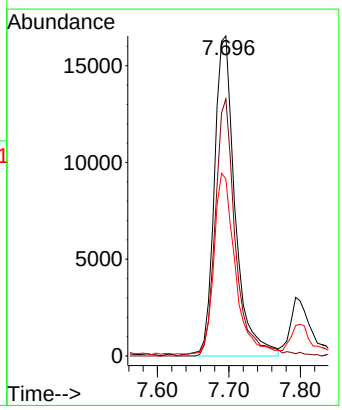
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

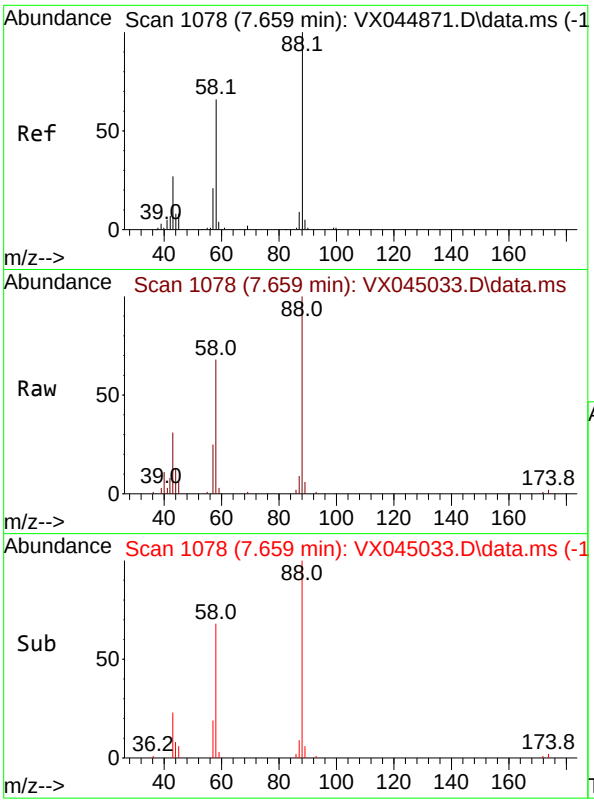


#48
Methyl methacrylate
Concen: 22.760 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 41 Resp: 33381

Ion	Ratio	Lower	Upper
41	100		
69	77.9	65.8	98.8
39	57.6	46.4	69.6

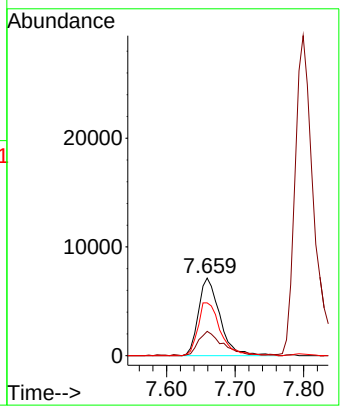




#49
1,4-Dioxane
Concen: 493.544 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 88 Resp: 1553

Ion	Ratio	Lower	Upper
88	100		
43	35.7	26.6	39.8
58	71.5	55.9	83.9



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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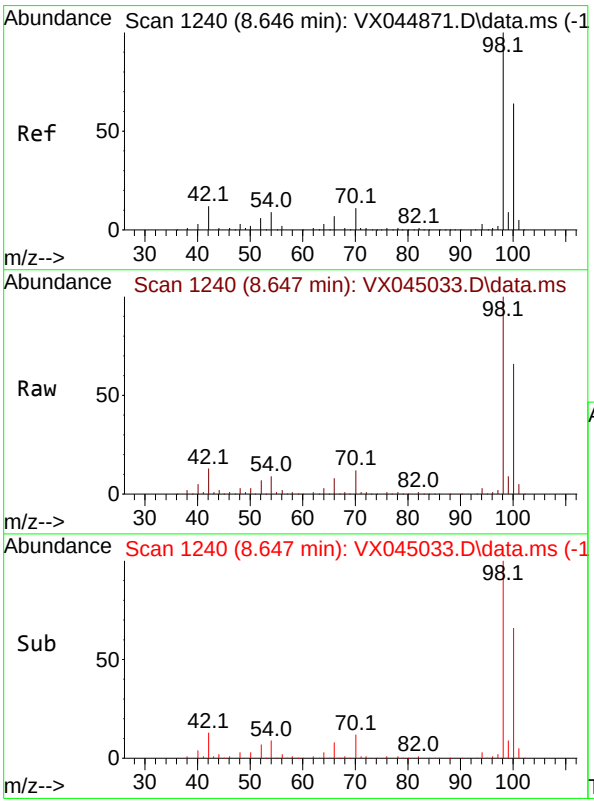
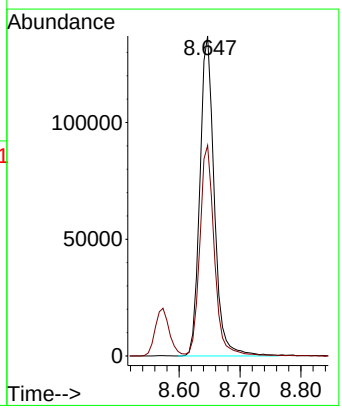
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

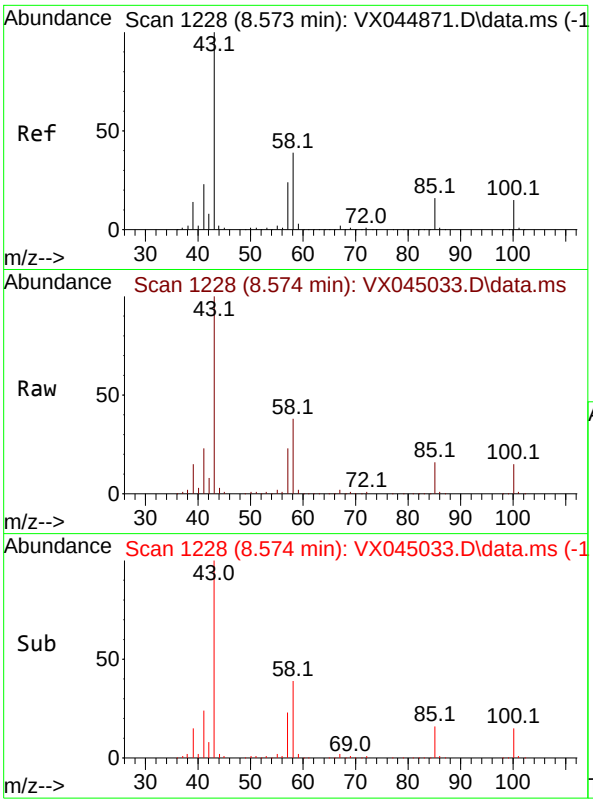


#50
Toluene-d8
Concen: 49.732 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 98 Resp: 225725

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1

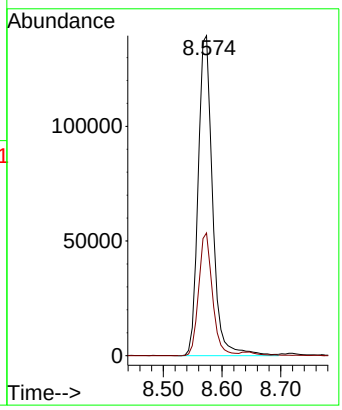




#51
4-Methyl-2-Pentanone
Concen: 126.106 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 23846

Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.8	46.2



Instrument :
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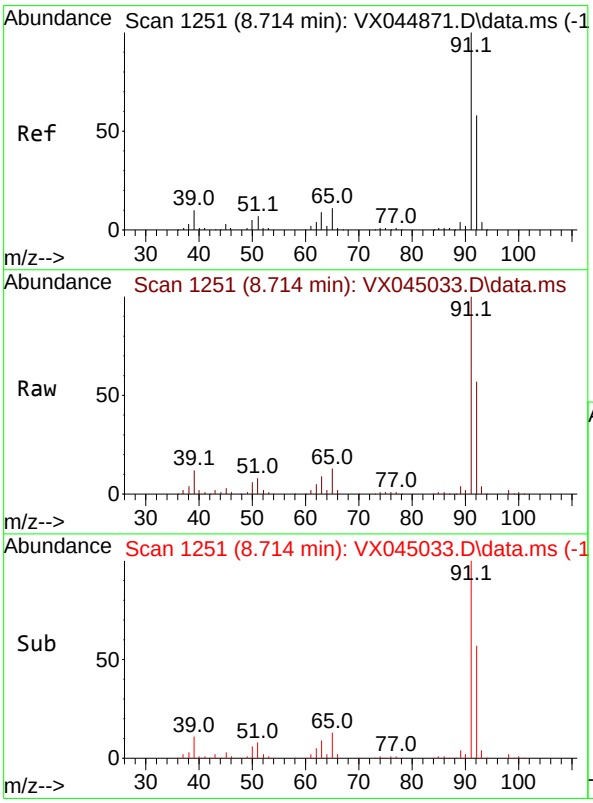
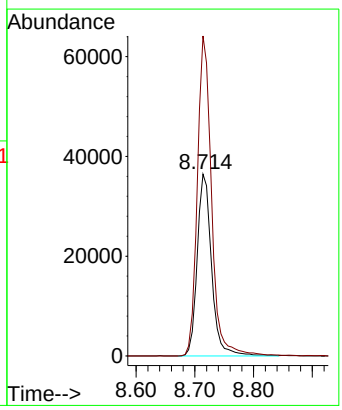
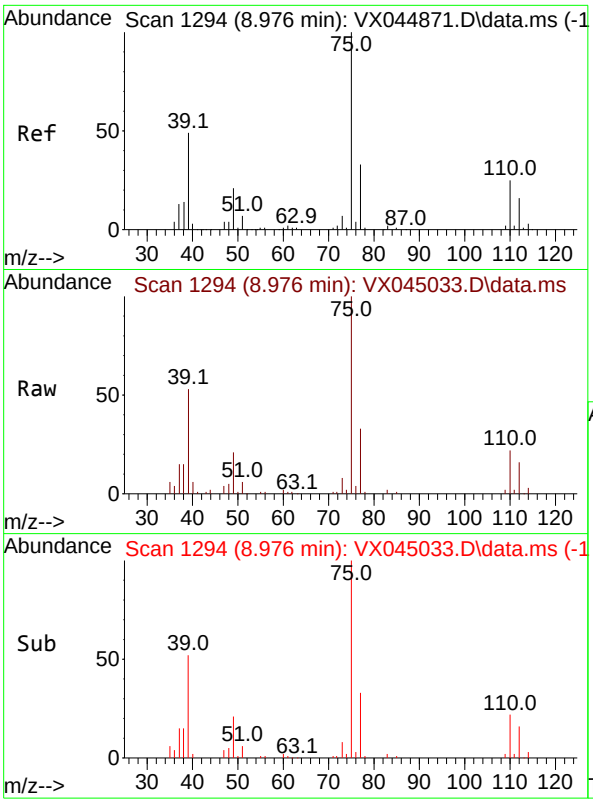


#52
Toluene
Concen: 19.284 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 92 Resp: 62103

Ion	Ratio	Lower	Upper
92	100		
91	173.9	137.4	206.2

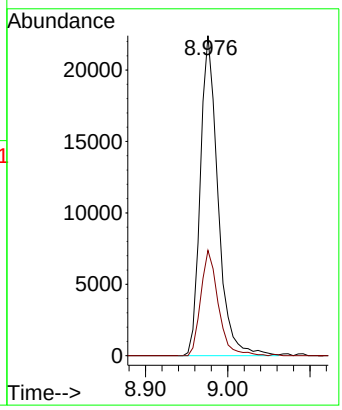




#53
t-1,3-Dichloropropene
Concen: 18.288 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 75 Resp: 3343

Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.0	39.0



Instrument :
MSVOA_X
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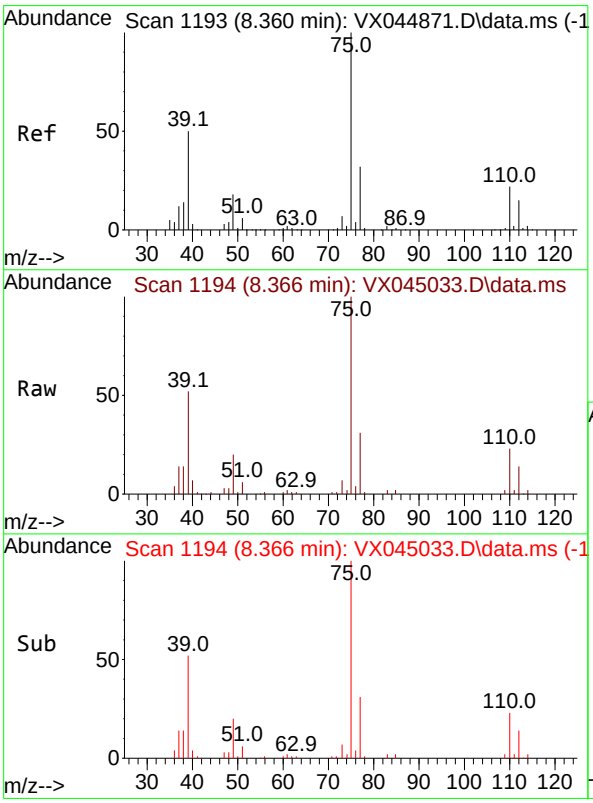
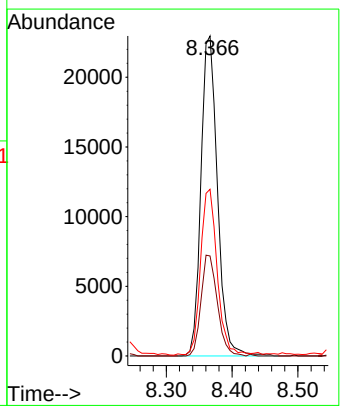
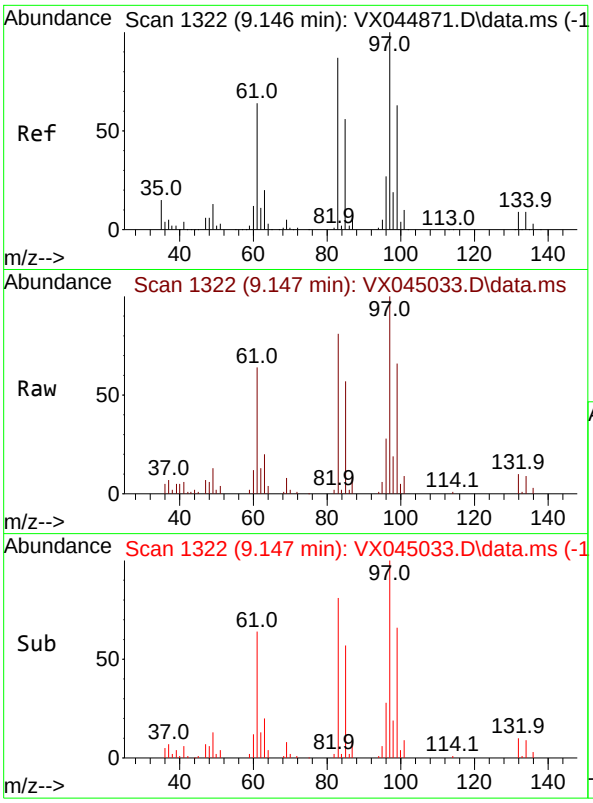


#54
cis-1,3-Dichloropropene
Concen: 19.666 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 75 Resp: 40084

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.3	37.9
39	51.6	40.0	60.0

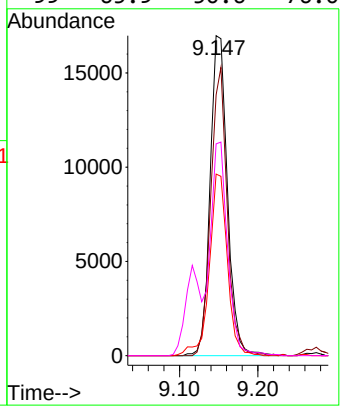




#55
1,1,2-Trichloroethane
Concen: 21.027 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 97 Resp: 2603

Ion	Ratio	Lower	Upper
97	100		
83	81.5	69.8	104.6
85	56.7	44.8	67.2
99	65.9	50.6	76.0



Instrument :
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ClientSampleId :
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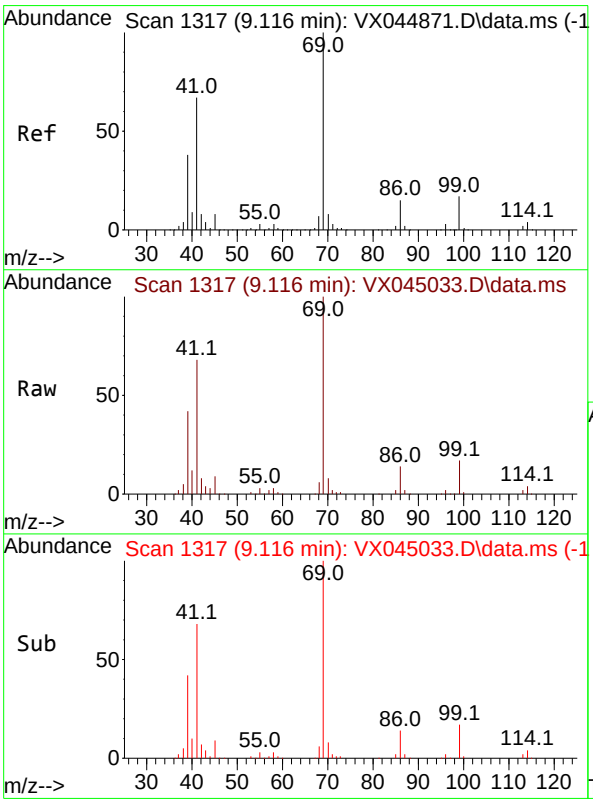
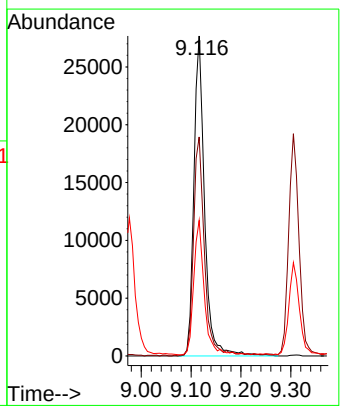
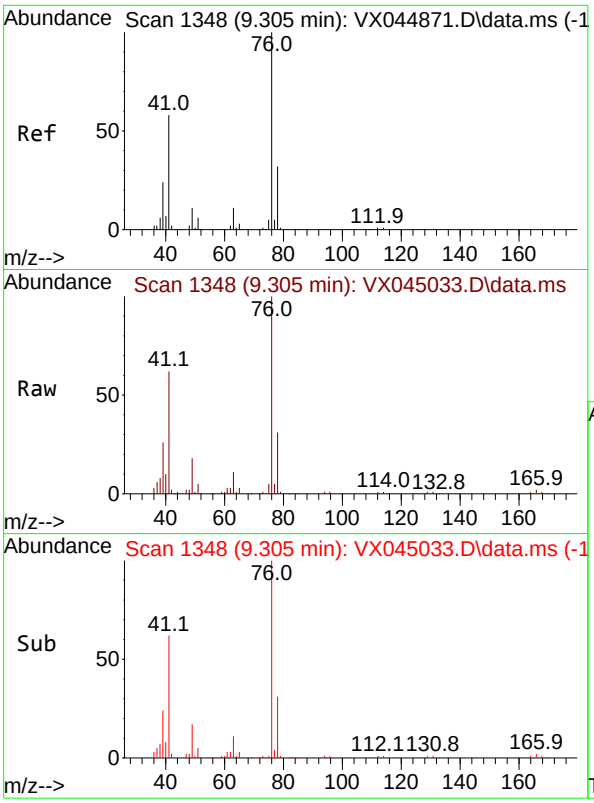


#56
Ethyl methacrylate
Concen: 20.616 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 69 Resp: 41220

Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.2	82.8
39	41.6	30.8	46.2

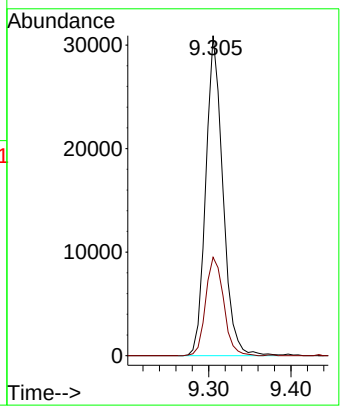




#57
1,3-Dichloropropane
Concen: 20.641 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 76 Resp: 4470

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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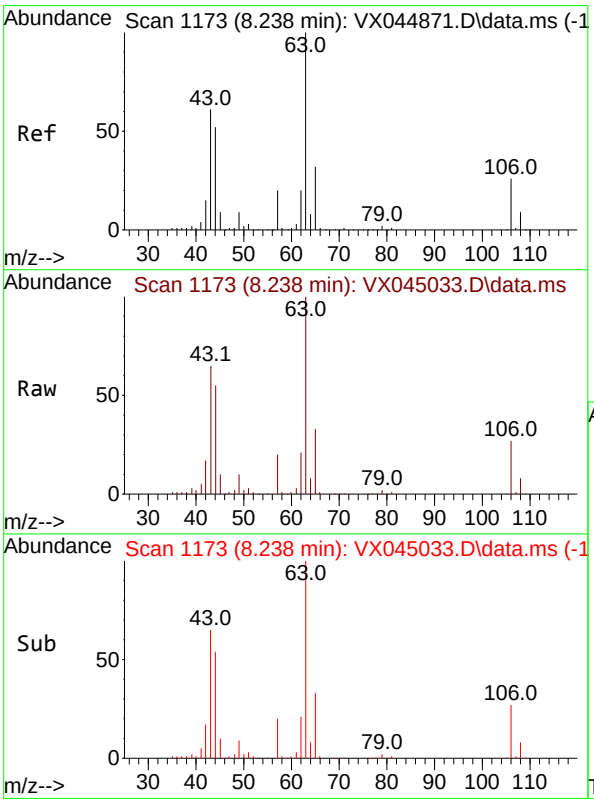
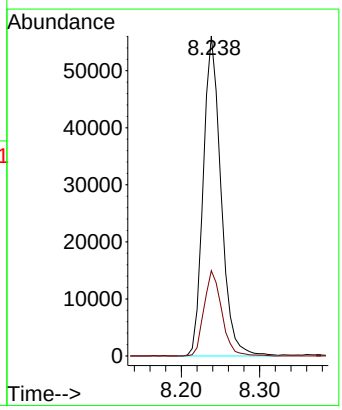
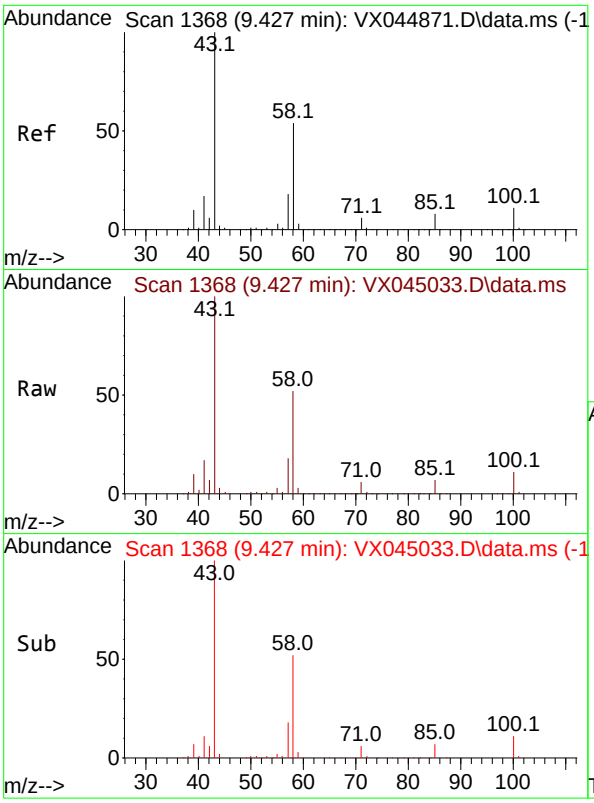


#58
2-Chloroethyl Vinyl ether
Concen: 90.045 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 63 Resp: 88402

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.3	31.9

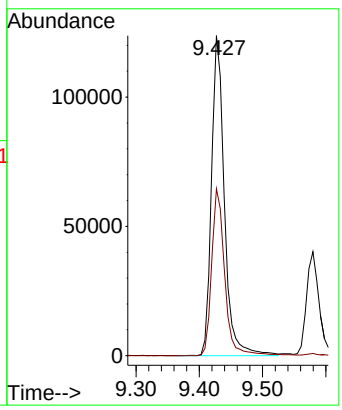




#59
2-Hexanone
Concen: 129.175 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 17599

Ion	Ratio	Lower	Upper
43	100		
58	52.9	27.5	82.4



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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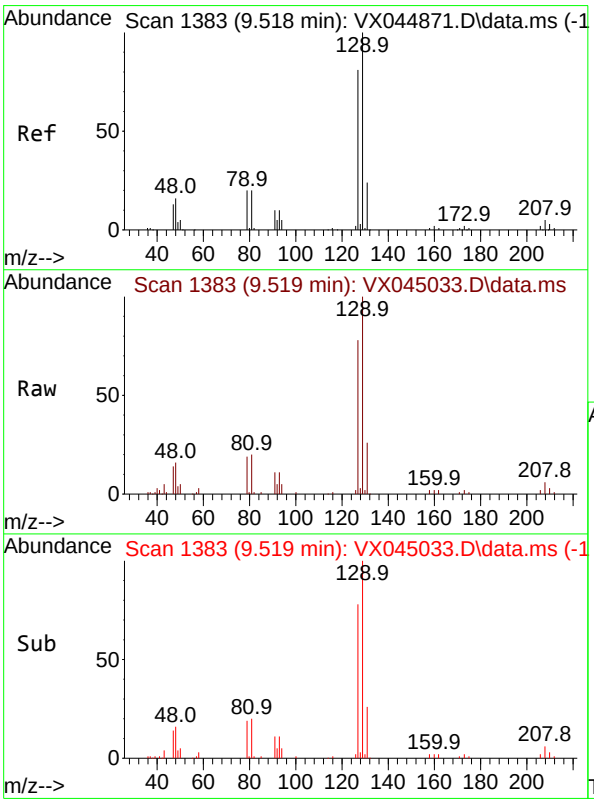
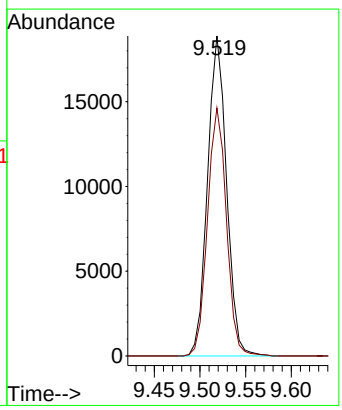
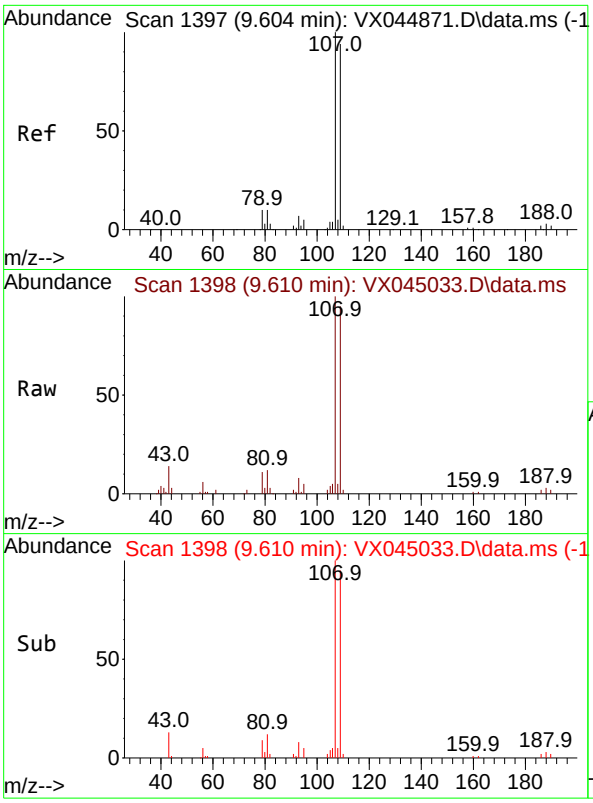


#60
Dibromochloromethane
Concen: 20.666 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:129 Resp: 27361

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.3

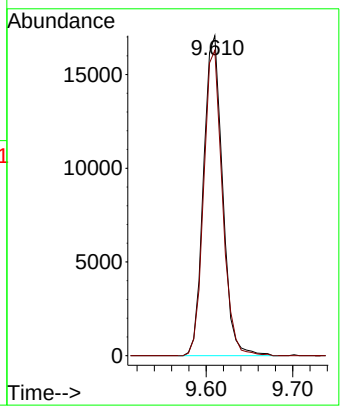




#61
1,2-Dibromoethane
Concen: 20.725 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:107 Resp: 2600

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.9	113.9



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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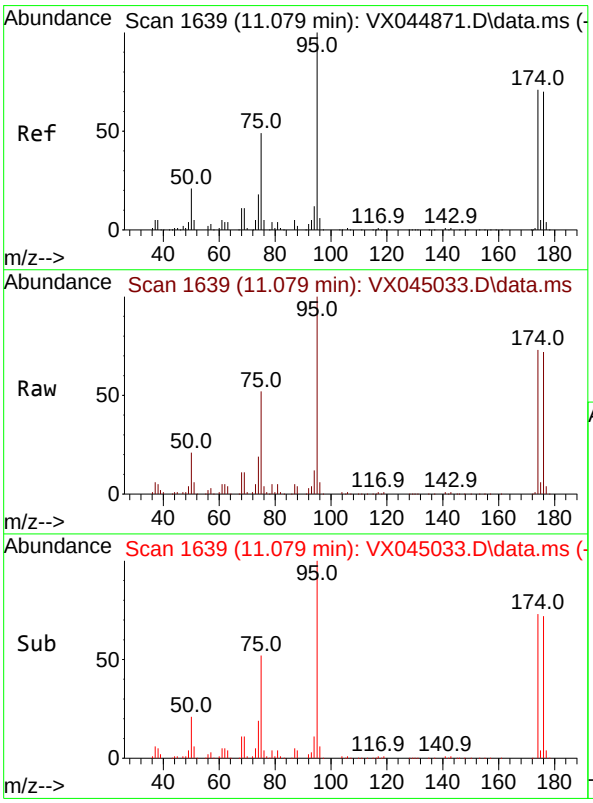
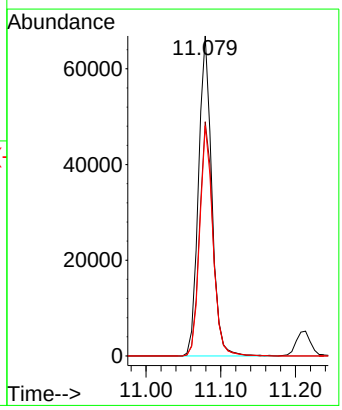
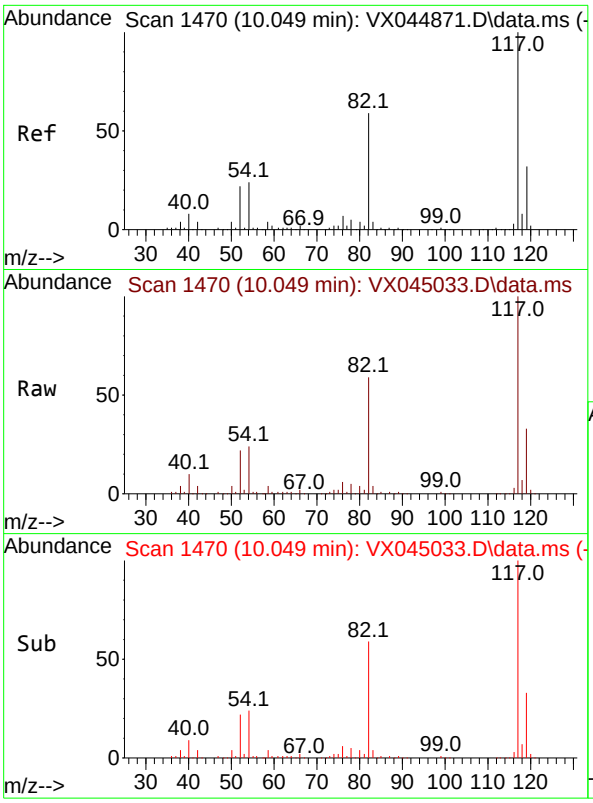


#62
4-Bromofluorobenzene
Concen: 53.799 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 95 Resp: 82320

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	142.6
176	71.3	0.0	141.6

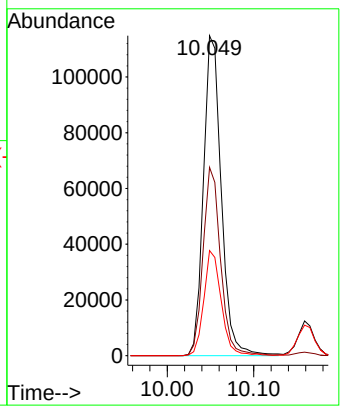




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:117 Resp: 16421

Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.5	71.3
119	32.8	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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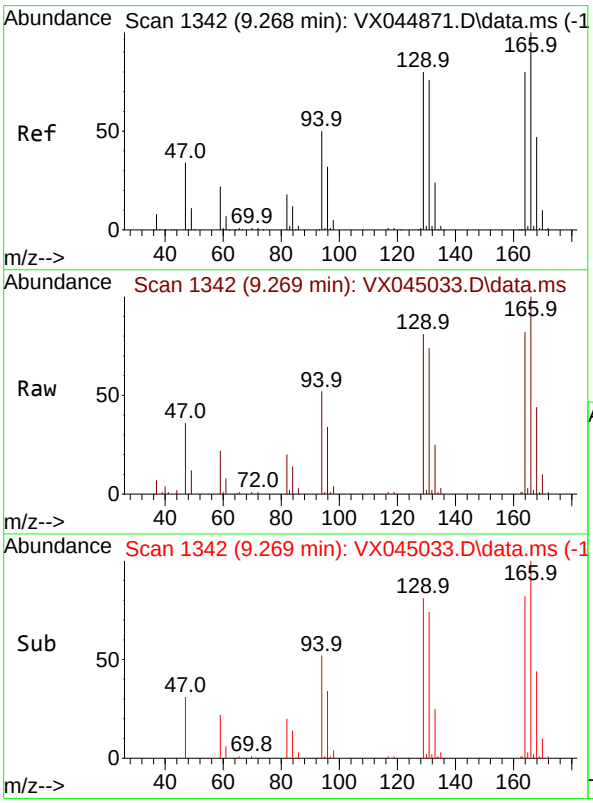
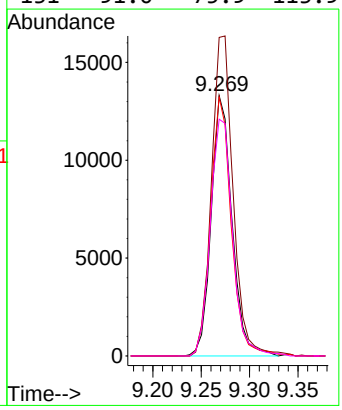
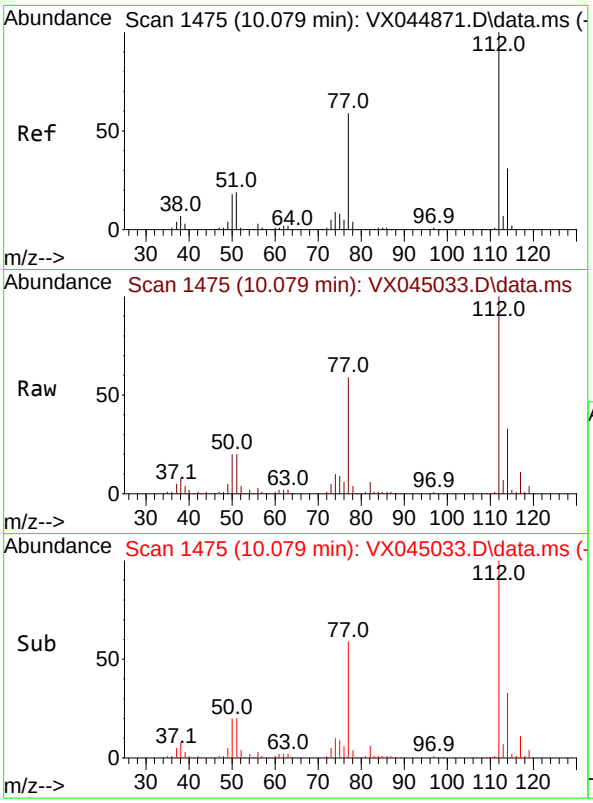


#64
Tetrachloroethene
Concen: 19.217 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:164 Resp: 19902

Ion	Ratio	Lower	Upper
164	100		
166	122.4	100.4	150.6
129	99.5	79.9	119.9
131	91.0	75.9	113.9

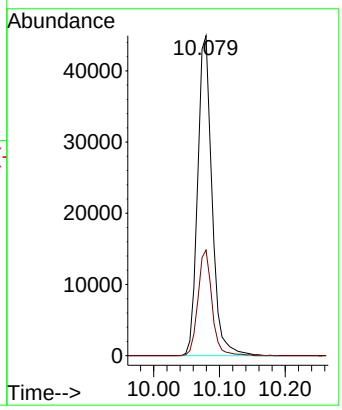




#65
Chlorobenzene
Concen: 19.299 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:112 Resp: 6807

Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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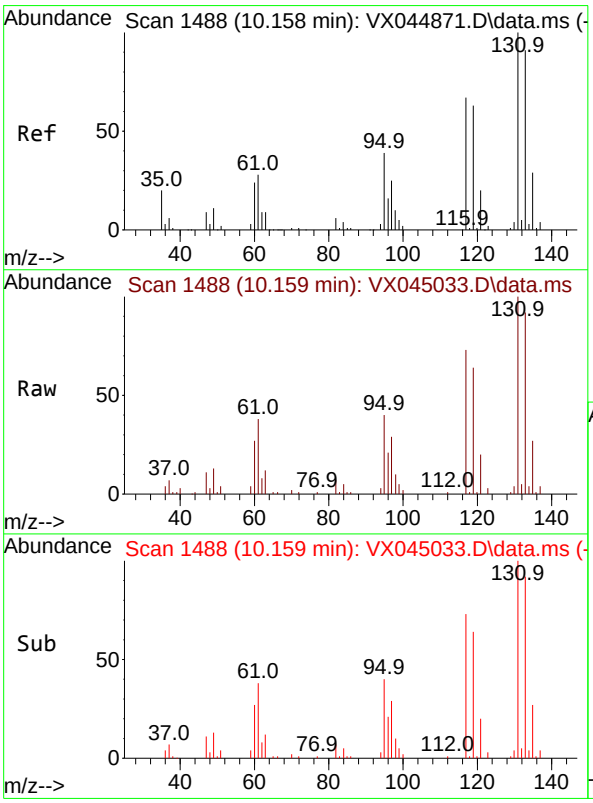
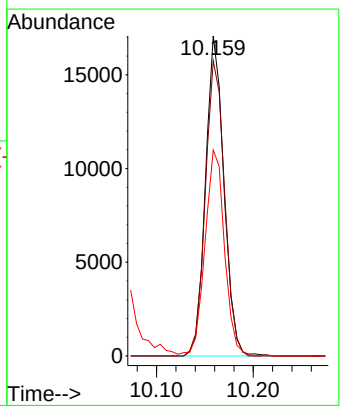
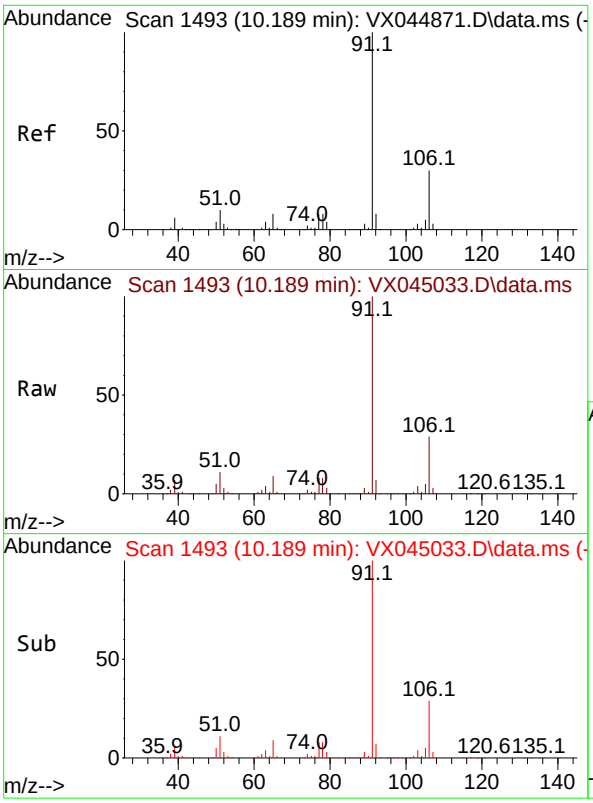


#66
1,1,1,2-Tetrachloroethane
Concen: 19.942 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:131 Resp: 22640

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.1	141.3
119	67.9	33.6	100.6

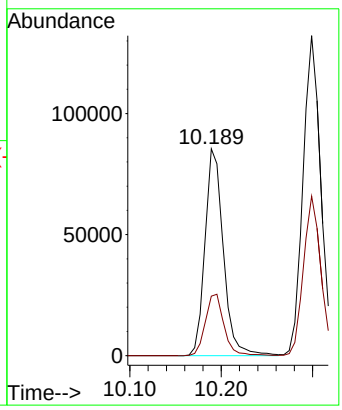




#67
Ethyl Benzene
Concen: 19.150 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 91 Resp: 11919

Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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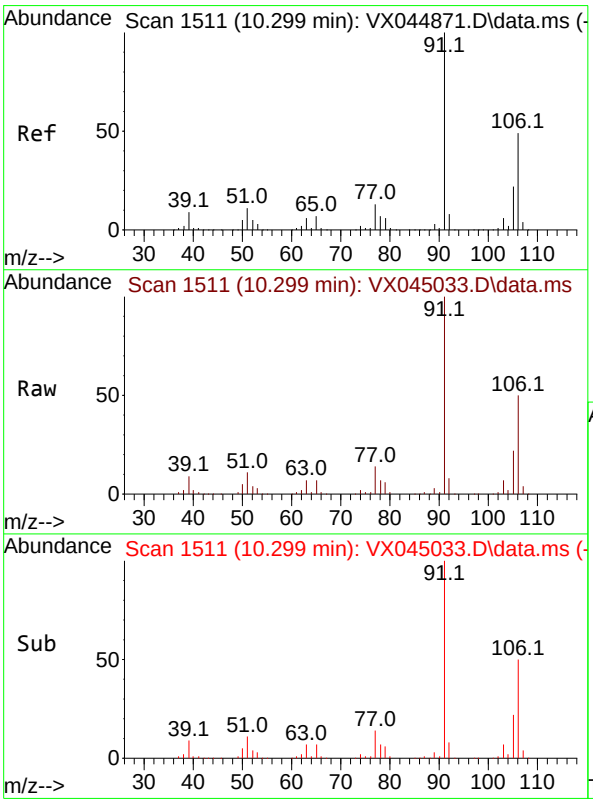
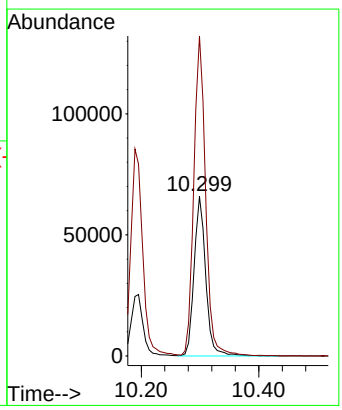
Supervised By :Mahesh Dadoda 02/26/2025

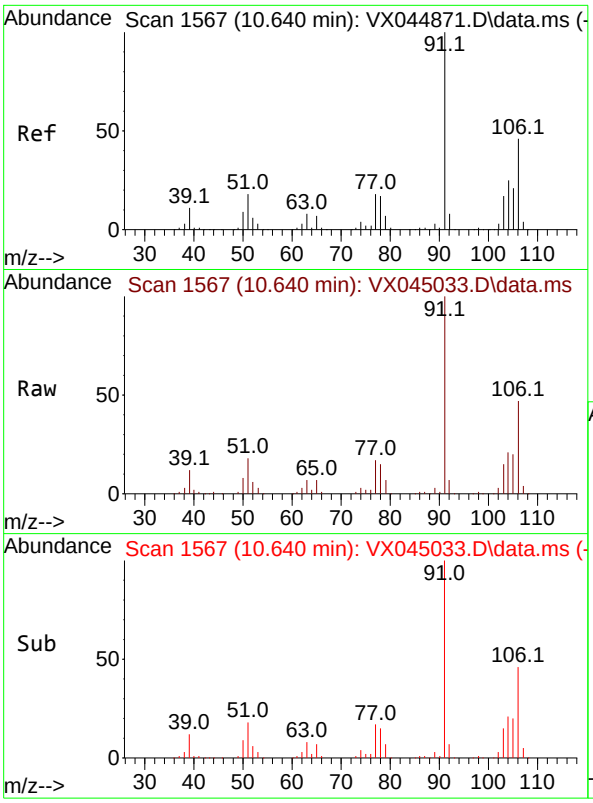


#68
m/p-Xylenes
Concen: 39.486 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:106 Resp: 90661

Ion	Ratio	Lower	Upper
106	100		
91	202.0	164.3	246.5

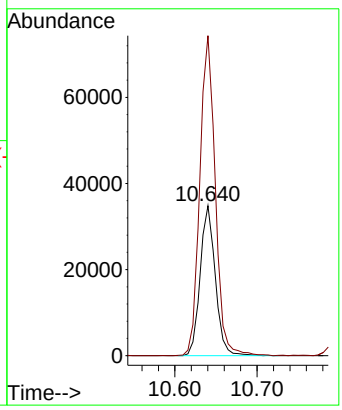




#69
o-Xylene
Concen: 19.307 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:106 Resp: 4448

Ion	Ratio	Lower	Upper
106	100		
91	218.5	108.5	325.5



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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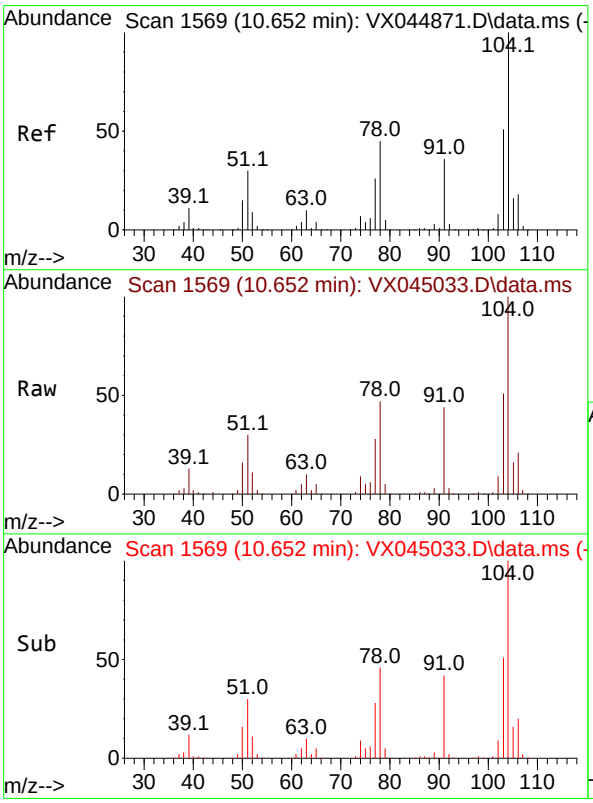
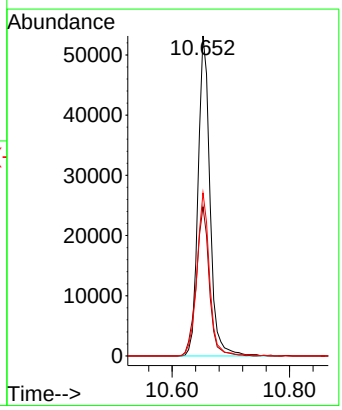
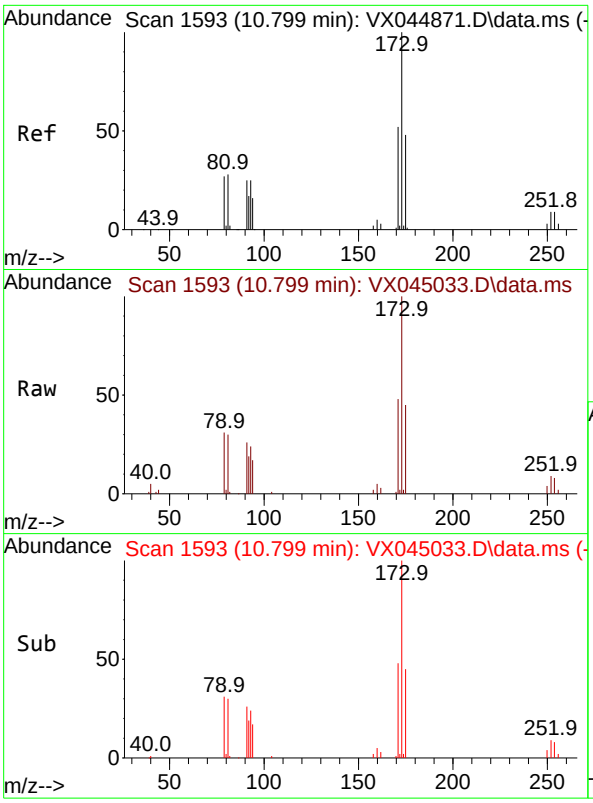


#70
Styrene
Concen: 20.171 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:104 Resp: 74872

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.5	60.7
103	54.0	43.6	65.4

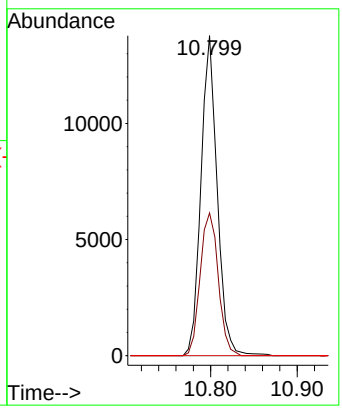




#71
Bromoform
Concen: 21.169 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:173 Resp: 1793

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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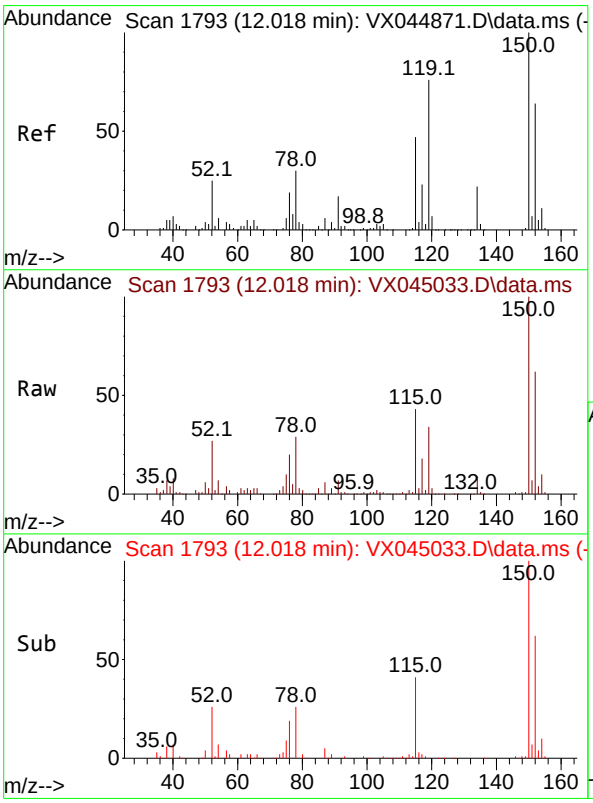
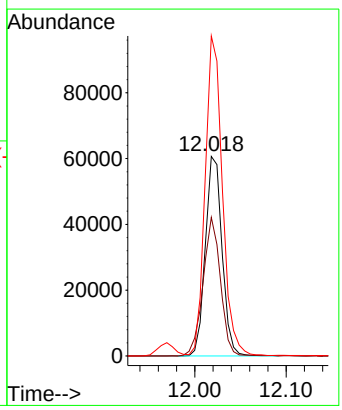
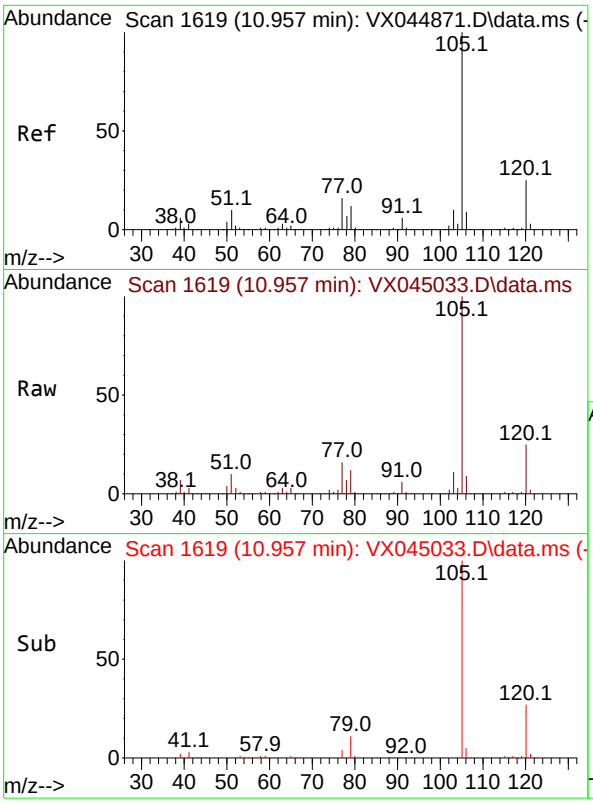


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:152 Resp: 77007

Ion	Ratio	Lower	Upper
152	100		
115	72.1	43.4	130.1
150	164.1	0.0	350.4

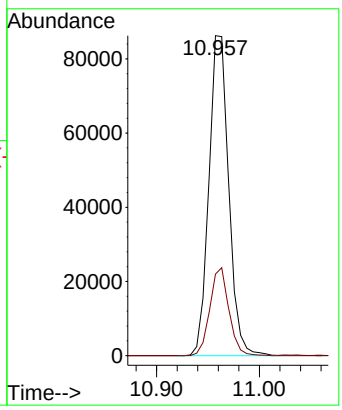




#73
Isopropylbenzene
Concen: 18.682 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:105 Resp: 11583

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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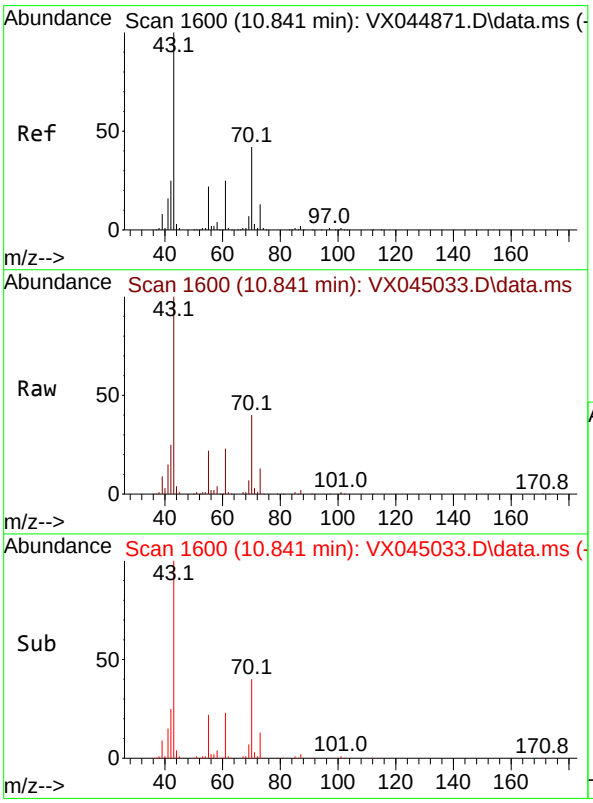
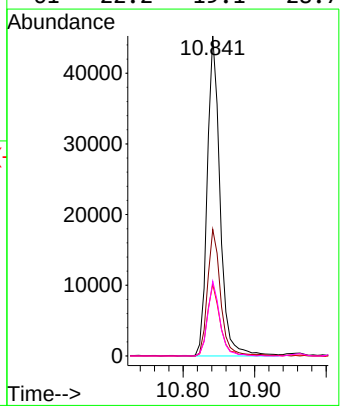
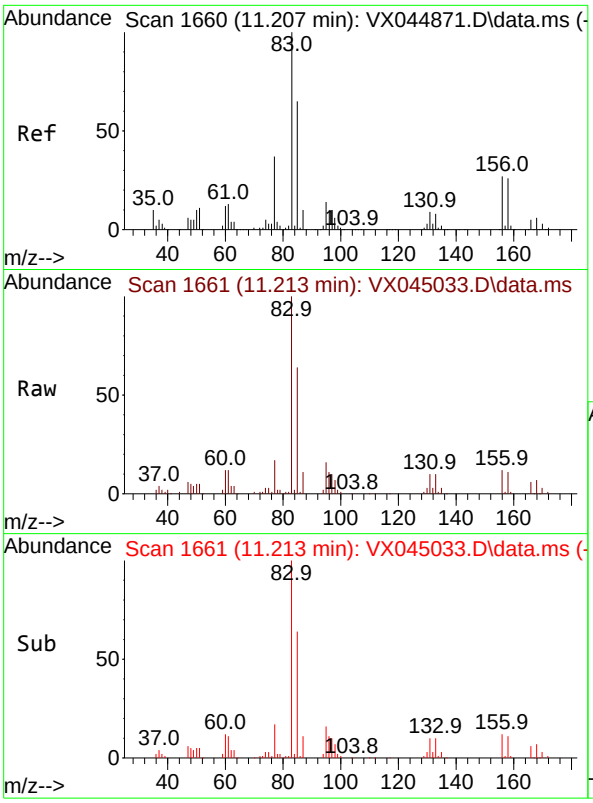


#74
N-amyl acetate
Concen: 20.142 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 56516

Ion	Ratio	Lower	Upper
43	100		
70	40.2	33.7	50.5
55	22.6	18.6	27.8
61	22.2	19.1	28.7

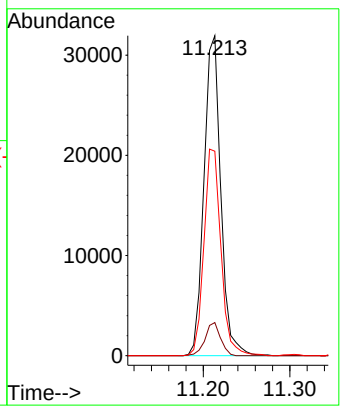




#75
1,1,2,2-Tetrachloroethane
Concen: 20.199 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 83 Resp: 4303

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.5
85	65.4	32.3	96.8



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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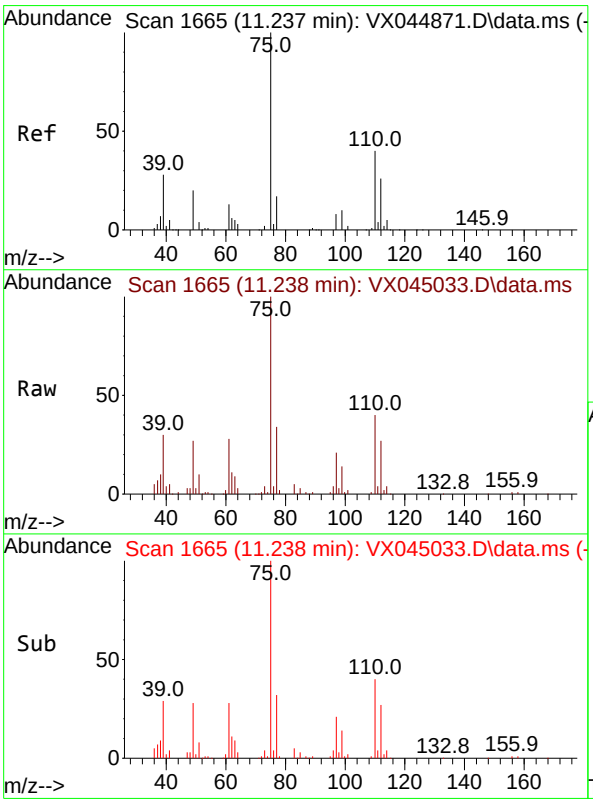
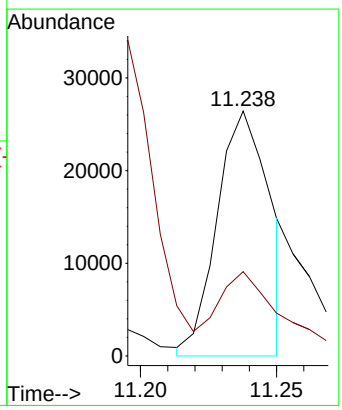
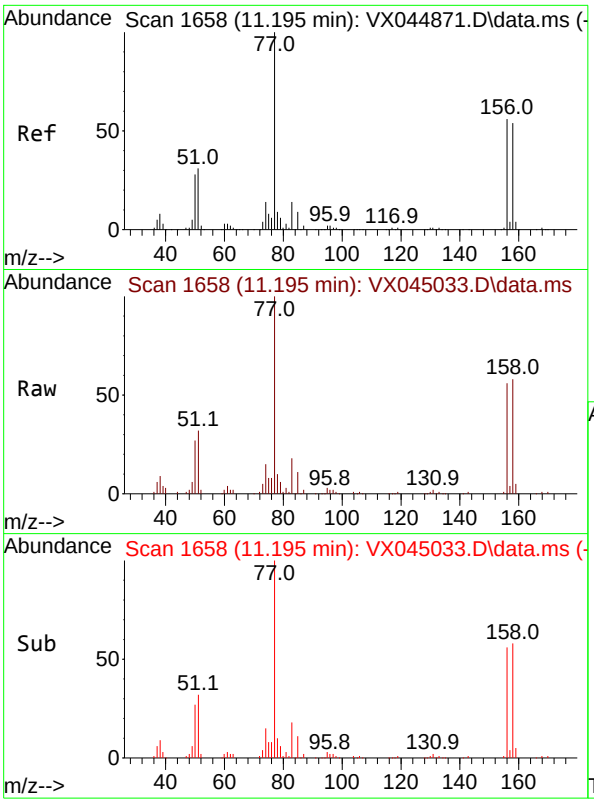


#76
1,2,3-Trichloropropane
Concen: 20.751 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 75 Resp: 35430

Ion	Ratio	Lower	Upper
75	100		
77	42.1	21.9	65.7

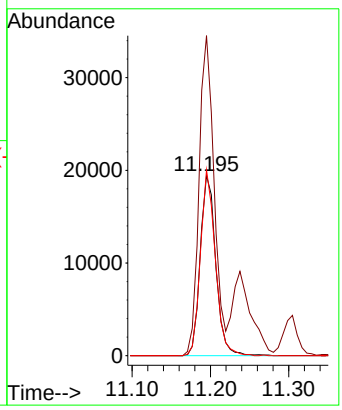




#77
Bromobenzene
Concen: 19.079 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:156 Resp: 2682

Ion	Ratio	Lower	Upper
156	100		
77	171.7	88.4	265.3
158	98.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
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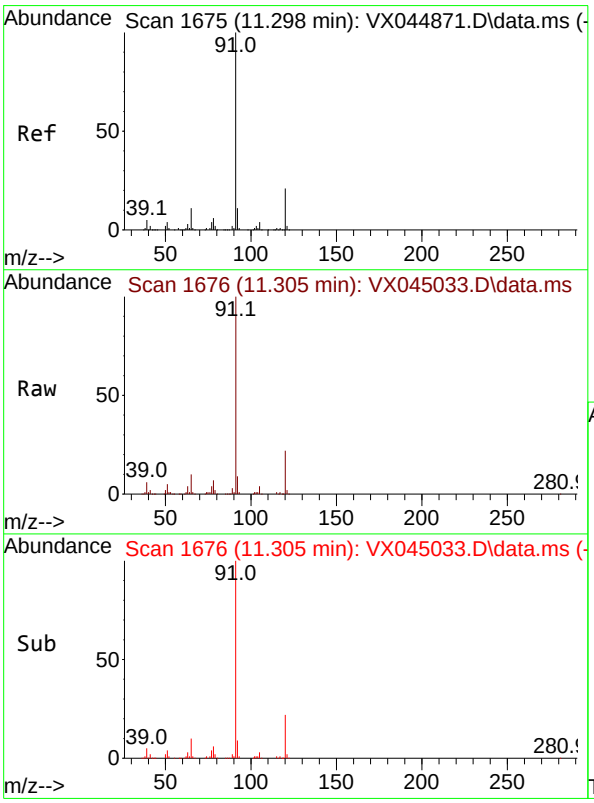
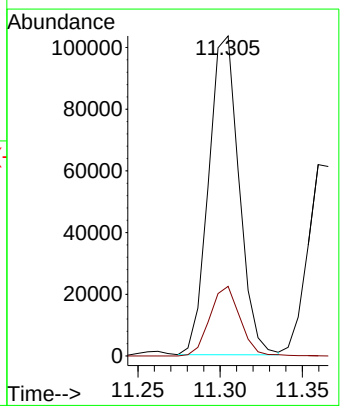
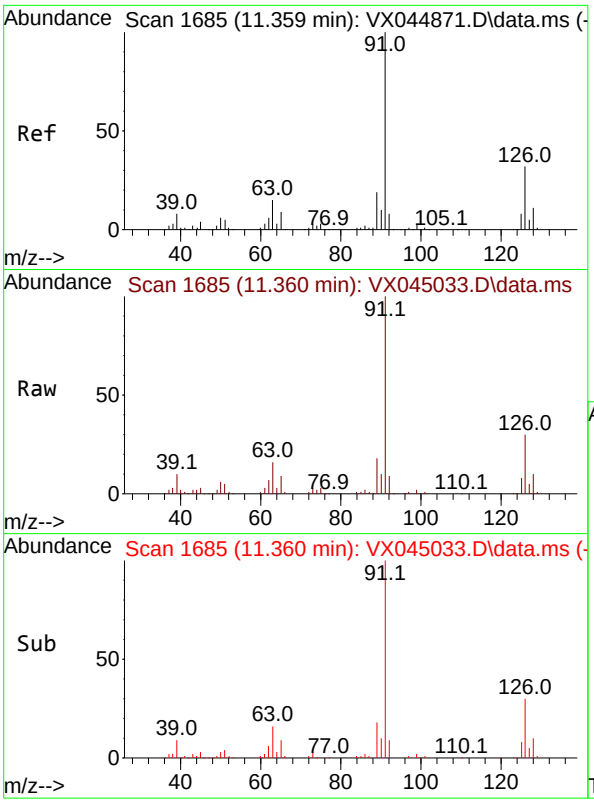


#78
n-propylbenzene
Concen: 18.576 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 91 Resp: 132947

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3





#79
2-Chlorotoluene
Concen: 18.547 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 91 Resp: 8158

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

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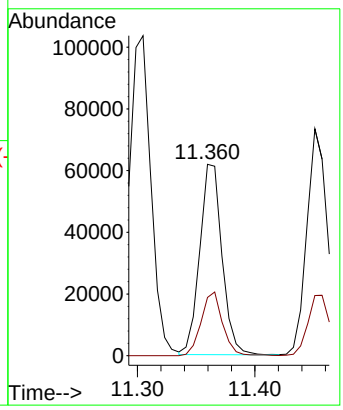
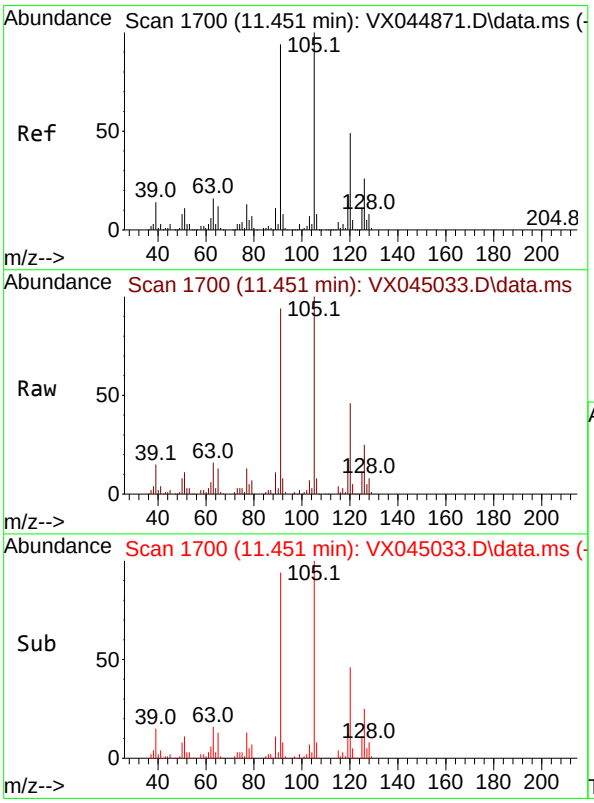
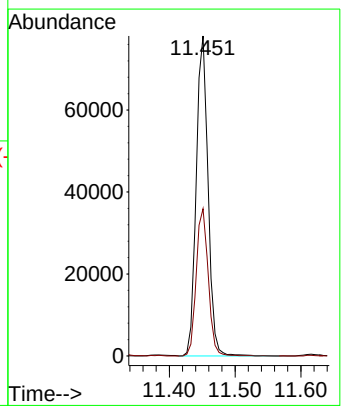


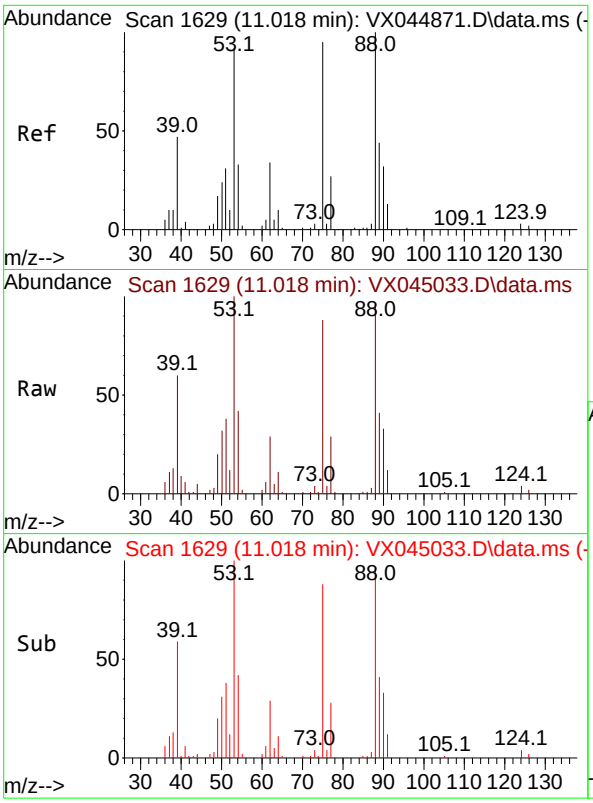


#80
1,3,5-Trimethylbenzene
Concen: 19.272 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:105 Resp: 96972

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 16.743 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 75 Resp: 1111

Ion	Ratio	Lower	Upper
75	100		
53	111.4	78.0	117.0
89	43.0	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
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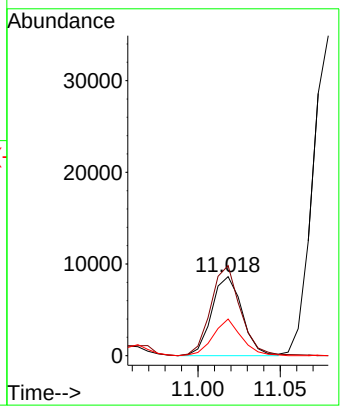
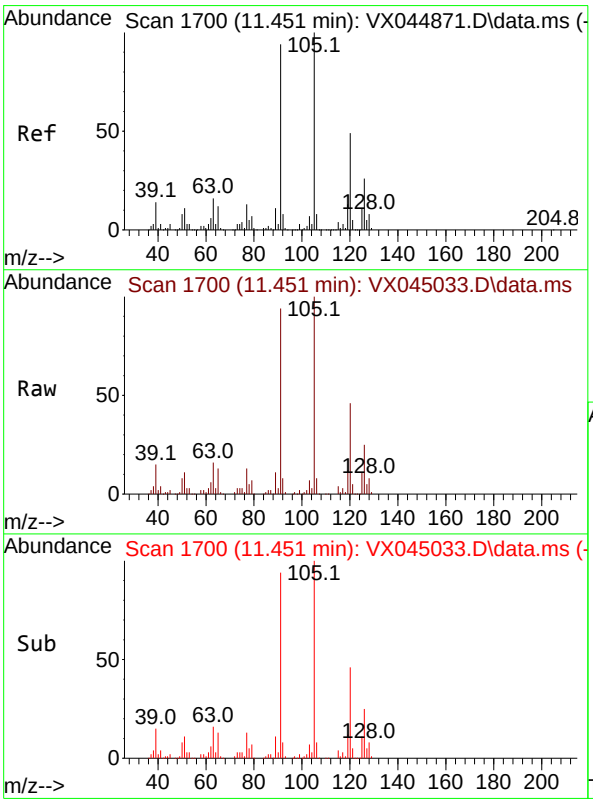
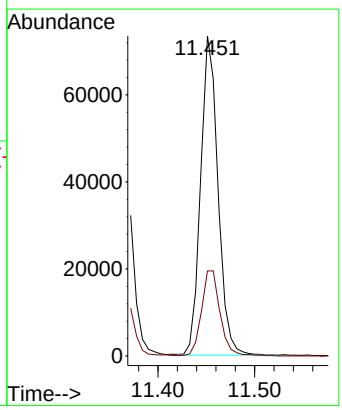


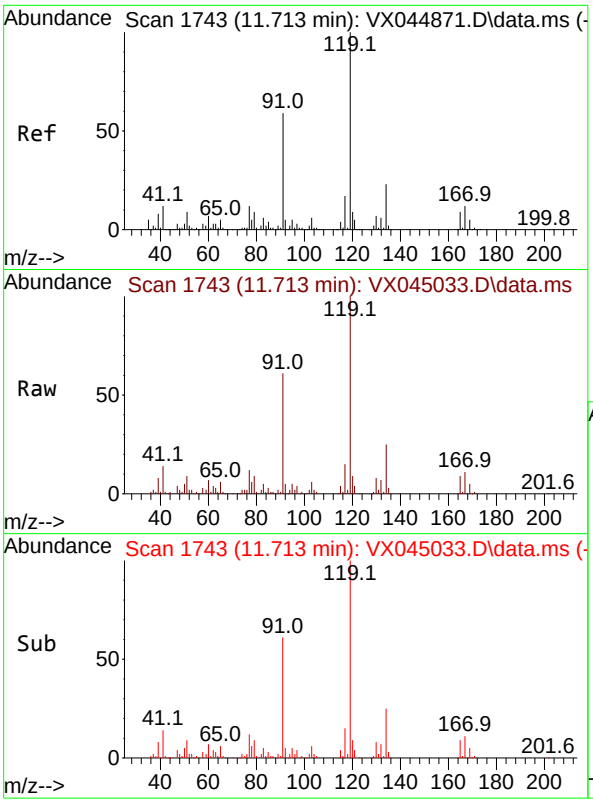


#82
4-Chlorotoluene
Concen: 18.878 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 91 Resp: 91866

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6

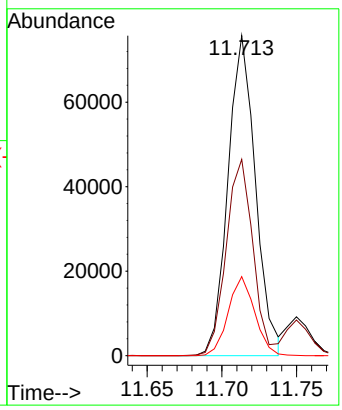




#83
tert-Butylbenzene
Concen: 19.030 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:119 Resp: 9686

Ion	Ratio	Lower	Upper
119	100		
91	60.4	29.1	87.4
134	23.9	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
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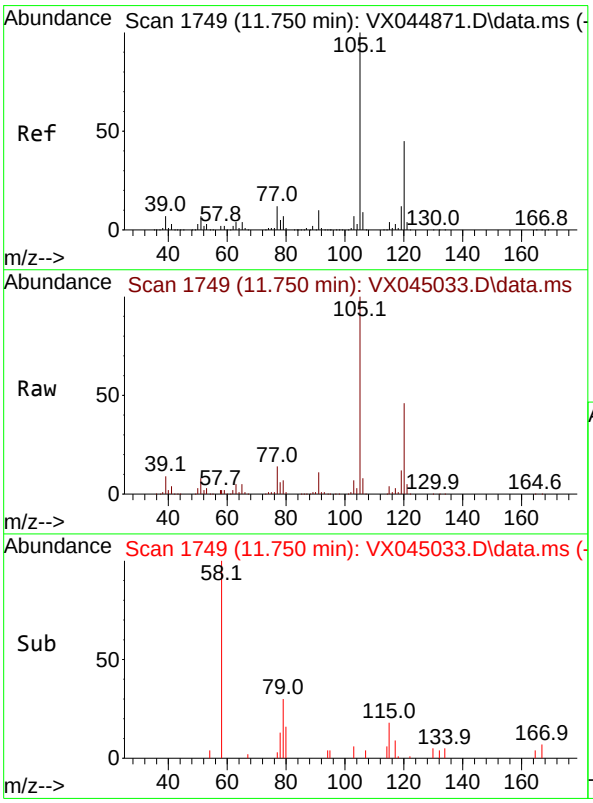
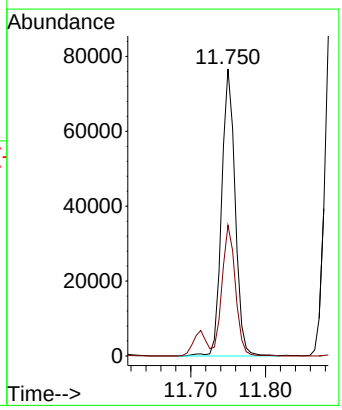
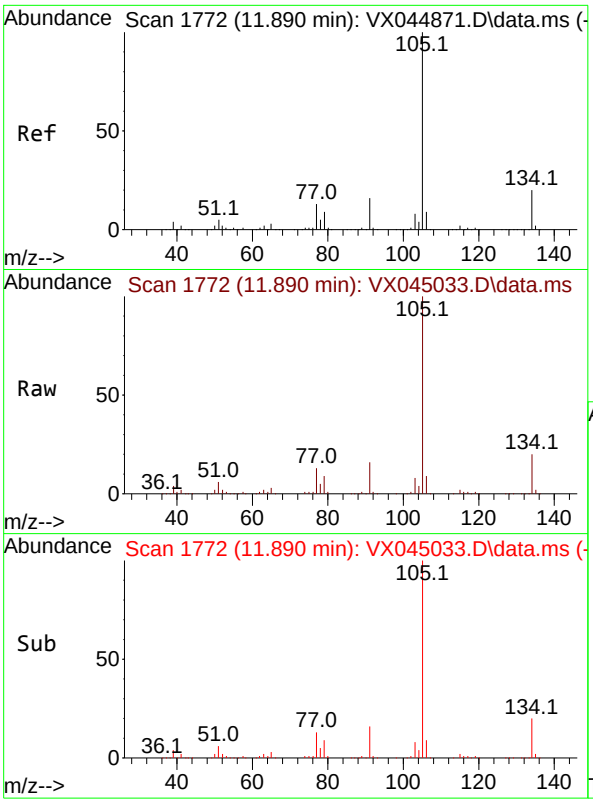


#84
1,2,4-Trimethylbenzene
Concen: 19.413 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:105 Resp: 96411

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.0

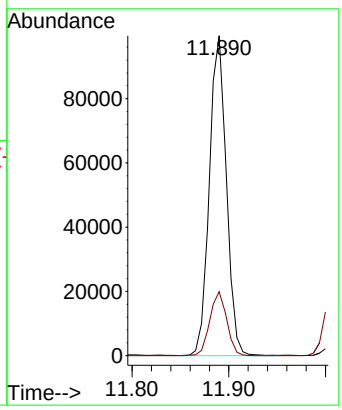




#85
sec-Butylbenzene
Concen: 19.331 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:105 Resp: 12184

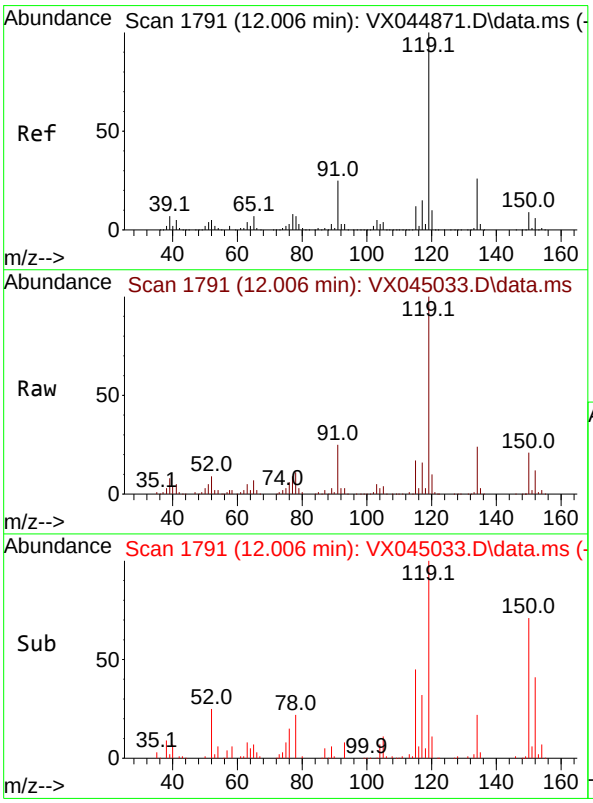
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.3



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
APPROVED

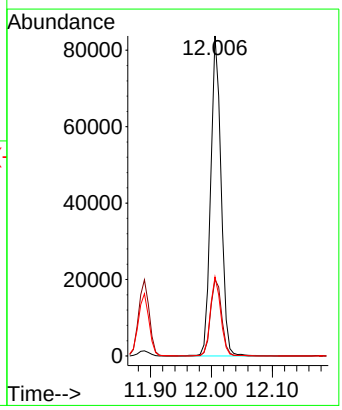
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

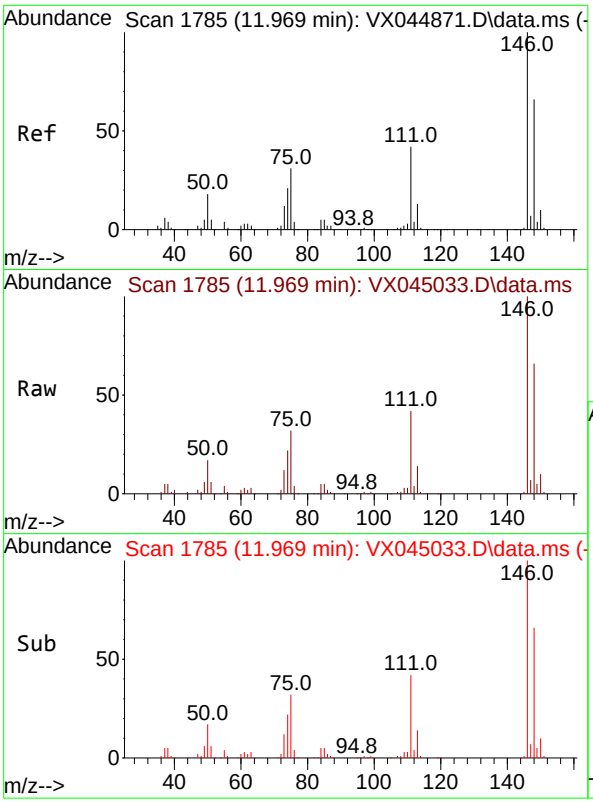


#86
p-Isopropyltoluene
Concen: 19.574 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:119 Resp: 99219

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	24.8	12.1	36.3

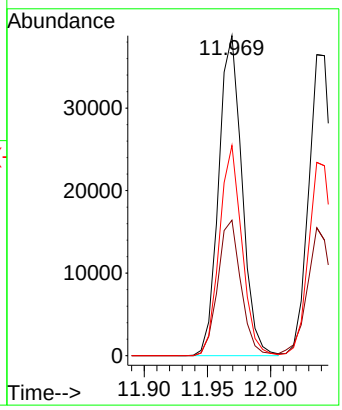




#87
1,3-Dichlorobenzene
Concen: 19.233 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:146 Resp: 4972

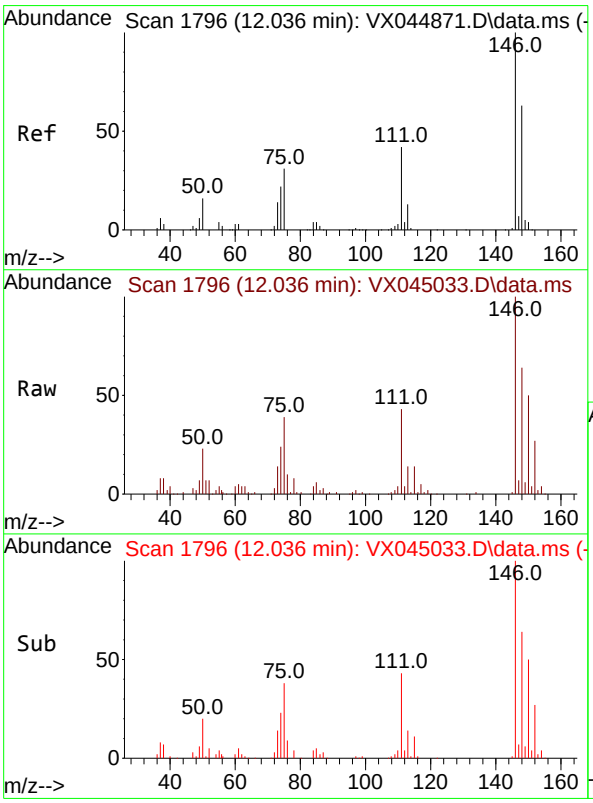
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	63.3	32.5	97.5



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
APPROVED

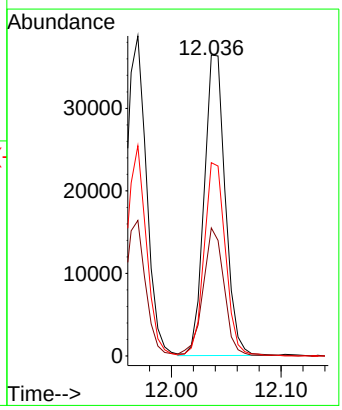
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

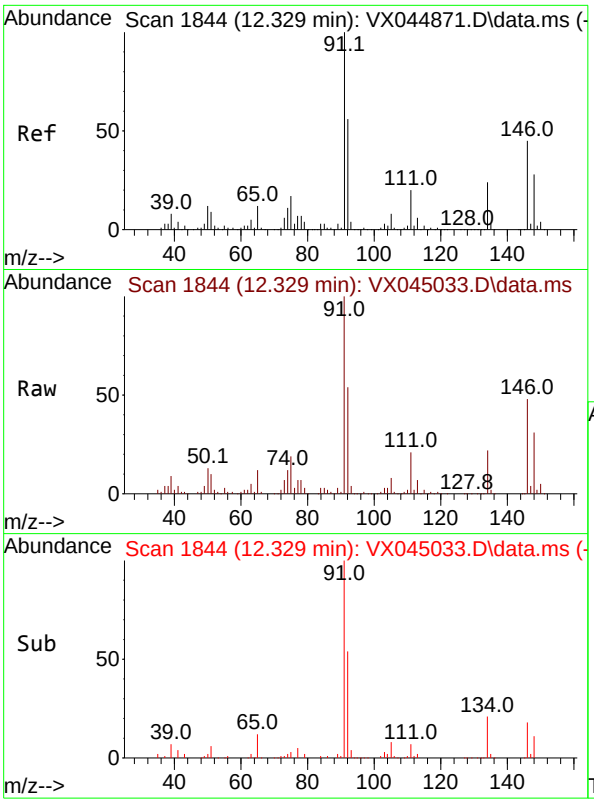


#88
1,4-Dichlorobenzene
Concen: 18.609 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:146 Resp: 48639

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.4	61.3
148	65.5	32.0	96.0





#89
n-Butylbenzene
Concen: 19.167 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

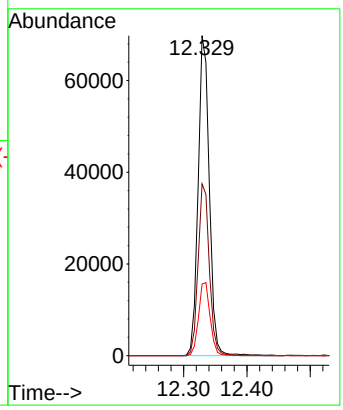
Tgt Ion: 91 Resp: 8595

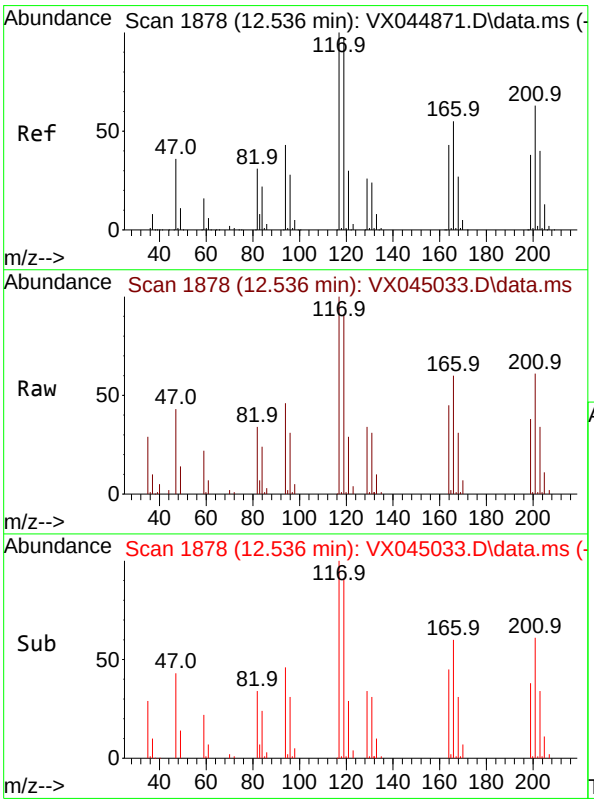
Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	23.7	12.1	36.3

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

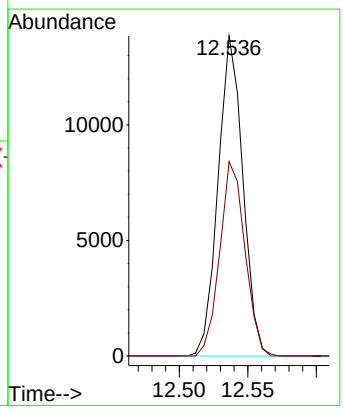


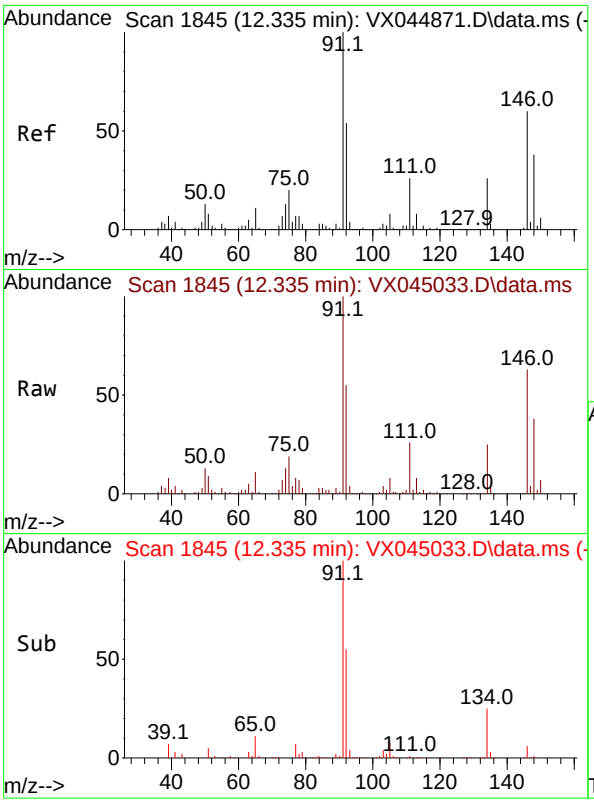


#90
Hexachloroethane
Concen: 18.298 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:117 Resp: 17367

Ion	Ratio	Lower	Upper
117	100		
201	61.9	32.5	97.5

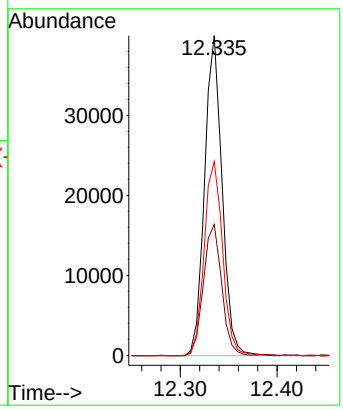




#91
1,2-Dichlorobenzene
Concen: 19.827 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:146 Resp: 5037

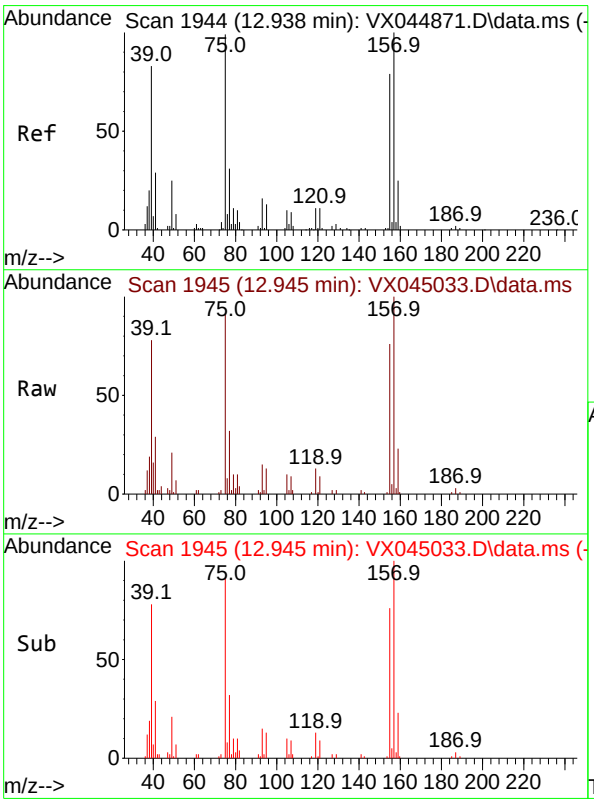
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.8	65.4
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
APPROVED

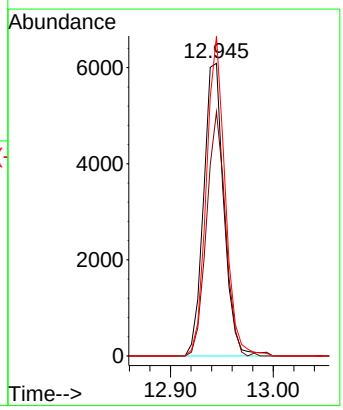
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

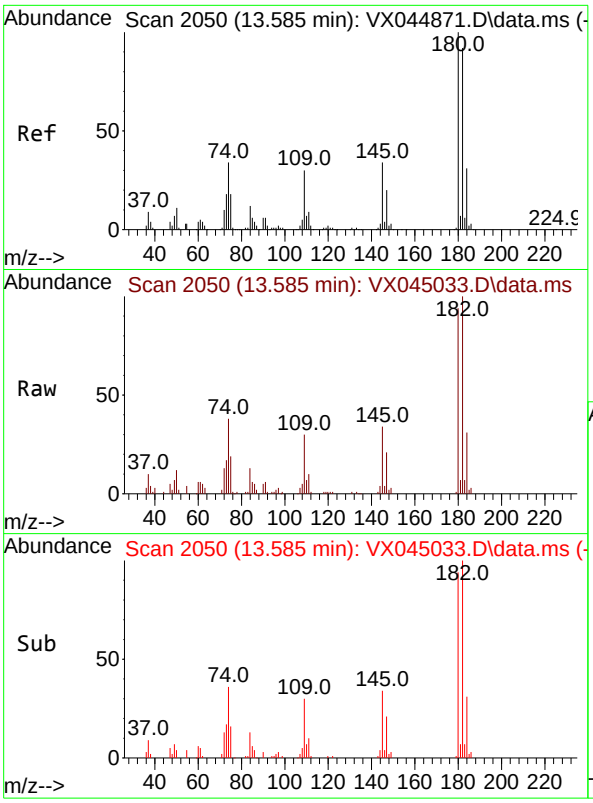


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.490 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 75 Resp: 8357

Ion	Ratio	Lower	Upper
75	100		
155	77.8	40.5	121.4
157	101.2	51.4	154.3

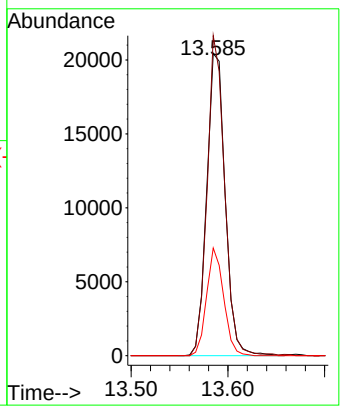




#93
1,2,4-Trichlorobenzene
Concen: 17.700 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:180 Resp: 2721

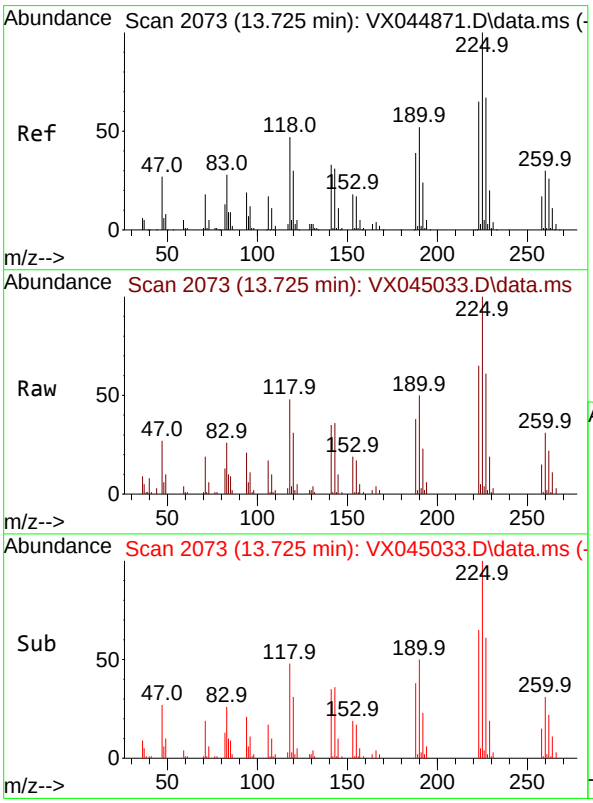
Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.6	142.8
145	32.9	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations APPROVED

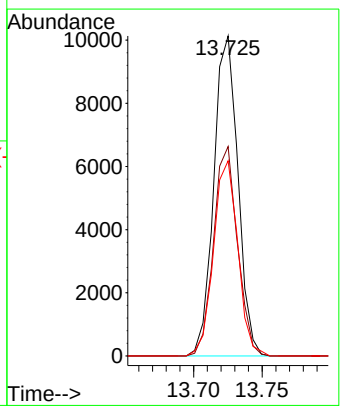
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

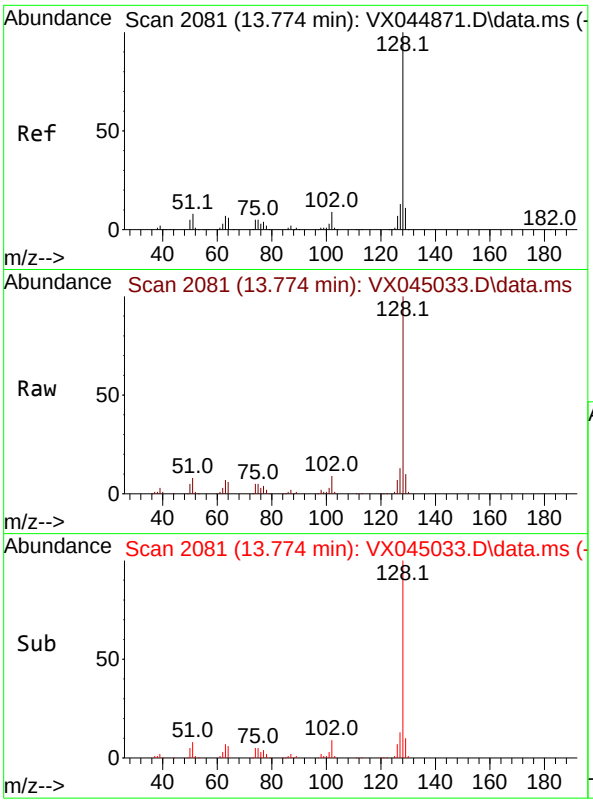


#94
Hexachlorobutadiene
Concen: 20.303 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:225 Resp: 12391

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.4	94.2
227	61.4	32.3	96.8

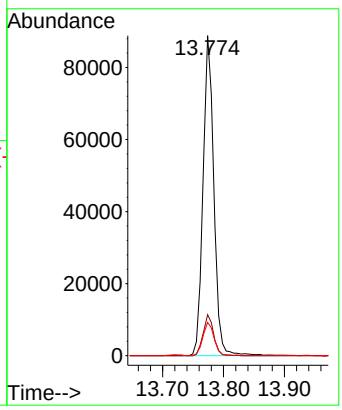




#95
Naphthalene
Concen: 19.794 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:128 Resp: 11000

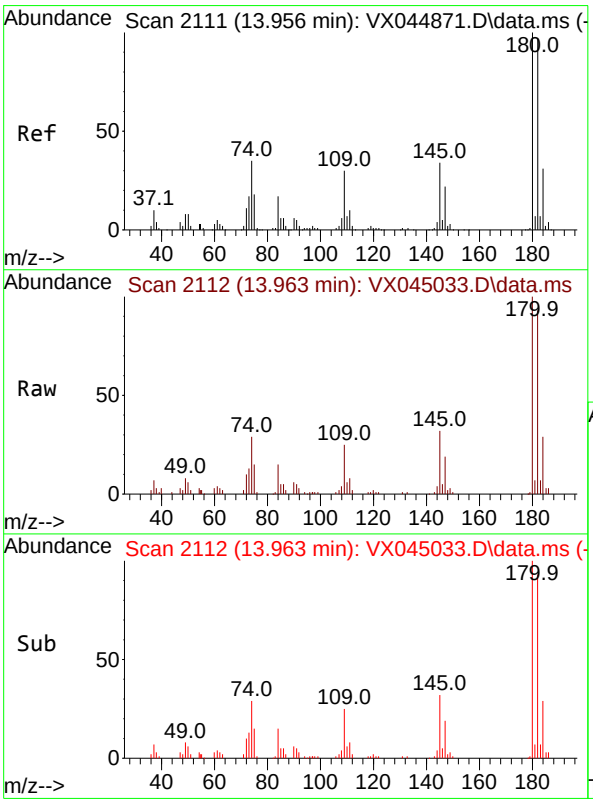
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.7	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
APPROVED

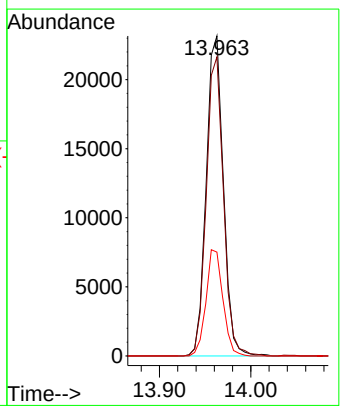
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.444 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:180 Resp: 30122

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.6
145	32.7	17.1	51.3



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY0226SBSD01	SDG No.:	Q1401
Lab Sample ID:	VY0226SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021323.D	1		02/26/25 11:44	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	19.6		1.20	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.4		0.77	2.50	5.00	ug/Kg
74-83-9	Bromomethane	19.4		1.00	4.00	5.00	ug/Kg
75-00-3	Chloroethane	19.6		1.00	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.2		0.91	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.2		0.78	2.50	5.00	ug/Kg
67-64-1	Acetone	91.3		6.20	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.2		1.30	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.5		0.67	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.9		3.40	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.4		0.84	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.5		0.63	2.50	5.00	ug/Kg
78-93-3	2-Butanone	94.4		5.70	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.6		0.87	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.61	2.50	5.00	ug/Kg
67-66-3	Chloroform	19.5		0.67	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.2		0.78	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.5		0.87	2.50	5.00	ug/Kg
71-43-2	Benzene	19.9		0.72	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.7		0.61	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	19.6		0.75	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.6		0.66	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.5		0.56	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	97.8		4.40	12.5	25.0	ug/Kg
108-88-3	Toluene	19.7		0.67	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.8		0.60	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.3		0.57	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.4		0.84	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	96.5		4.80	12.5	25.0	ug/Kg

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VY0226SBSD01	SDG No.:	Q1401
Lab Sample ID:	VY0226SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021323.D	1		02/26/25 11:44	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	19.8		0.65	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.7		0.89	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	19.6		0.74	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.2		0.62	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.6		1.40	5.00	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.70	2.50	5.00	ug/Kg
100-42-5	Styrene	19.8		0.60	2.50	5.00	ug/Kg
75-25-2	Bromoform	19.1		0.81	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.7		0.67	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.4		1.10	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.7		0.74	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.8		0.80	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.5		0.59	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.5		71 - 136		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		78 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.9		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	186000	7.707				
540-36-3	1,4-Difluorobenzene	292000	8.615				
3114-55-4	Chlorobenzene-d5	259000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.346				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	186200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	292071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	258744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	129829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102341	48.451	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.900%			
35) Dibromofluoromethane	7.634	113	94057	49.120	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.240%			
50) Toluene-d8	10.103	98	369458	49.924	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.840%			
62) 4-Bromofluorobenzene	12.408	95	125203	50.271	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	33929	19.219	ug/l	98
3) Chloromethane	2.068	50	44643	19.581	ug/l	94
4) Vinyl Chloride	2.202	62	43431	19.408	ug/l	95
5) Bromomethane	2.586	94	28875	19.417	ug/l	91
6) Chloroethane	2.732	64	27157	19.569	ug/l	98
7) Trichlorofluoromethane	3.056	101	64725	19.152	ug/l	98
8) Diethyl Ether	3.452	74	19301	19.028	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	39047	19.956	ug/l	99
10) Methyl Iodide	4.000	142	38731	18.815	ug/l	99
11) Tert butyl alcohol	4.848	59	15317	94.274	ug/l	97
12) 1,1-Dichloroethene	3.787	96	35945	19.186	ug/l	98
13) Acrolein	3.647	56	22337	179.408	ug/l	96
14) Allyl chloride	4.385	41	64619	19.454	ug/l	99
15) Acrylonitrile	5.049	53	42848	95.540	ug/l	99
16) Acetone	3.866	43	36994	91.302	ug/l	96
17) Carbon Disulfide	4.104	76	119697	19.240	ug/l	99
18) Methyl Acetate	4.378	43	19000	19.188	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	96512	19.498	ug/l	98
20) Methylene Chloride	4.616	84	41428	18.908	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	39986	19.387	ug/l	97
22) Diisopropyl ether	6.018	45	136570	19.868	ug/l	97
23) Vinyl Acetate	5.957	43	400683	97.548	ug/l	98
24) 1,1-Dichloroethane	5.915	63	75455	19.476	ug/l	100
25) 2-Butanone	6.896	43	57737	94.416	ug/l	100
26) 2,2-Dichloropropane	6.884	77	67846	19.300	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	46880	19.905	ug/l	98
28) Bromochloromethane	7.238	49	34082	19.882	ug/l	99
29) Tetrahydrofuran	7.262	42	39639	99.167	ug/l	97
30) Chloroform	7.421	83	76696	19.537	ug/l	98
31) Cyclohexane	7.701	56	71145	19.104	ug/l #	94
32) 1,1,1-Trichloroethane	7.610	97	68700	19.226	ug/l	99
36) 1,1-Dichloropropene	7.835	75	57651	20.043	ug/l	99
37) Ethyl Acetate	6.982	43	28136	19.665	ug/l	100
38) Carbon Tetrachloride	7.817	117	63336	19.587	ug/l	99
39) Methylcyclohexane	9.109	83	71099	19.543	ug/l	99
40) Benzene	8.079	78	169384	19.922	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	16363	20.455	ug/l	#	73
42) 1,2-Dichloroethane	8.158	62	47566	19.718	ug/l		100
43) Isopropyl Acetate	8.195	43	54330	19.618	ug/l		99
44) Trichloroethene	8.865	130	41805	19.638	ug/l		97
45) 1,2-Dichloropropane	9.140	63	40089	19.592	ug/l		99
46) Dibromomethane	9.231	93	21727	19.425	ug/l		100
47) Bromodichloromethane	9.420	83	58116	19.487	ug/l		100
48) Methyl methacrylate	9.219	41	23787	18.368	ug/l		94
49) 1,4-Dioxane	9.225	88	4464	358.943	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	138572	97.751	ug/l		99
52) Toluene	10.170	92	104255	19.738	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	53978	19.755	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	62124	19.260	ug/l		95
55) 1,1,2-Trichloroethane	10.572	97	28227	19.373	ug/l		96
56) Ethyl methacrylate	10.438	69	39319	19.530	ug/l		99
57) 1,3-Dichloropropane	10.713	76	51397	20.102	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	90024	93.158	ug/l		100
59) 2-Hexanone	10.761	43	89865	96.524	ug/l		99
60) Dibromochloromethane	10.914	129	39272	19.790	ug/l		98
61) 1,2-Dibromoethane	11.018	107	26713	19.365	ug/l		96
64) Tetrachloroethene	10.646	164	38493	19.682	ug/l		99
65) Chlorobenzene	11.444	112	113821	19.597	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	39353	19.350	ug/l		98
67) Ethyl Benzene	11.517	91	197780	19.225	ug/l		100
68) m/p-Xylenes	11.627	106	149341	38.593	ug/l		98
69) o-Xylene	11.956	106	70486	19.444	ug/l		99
70) Styrene	11.969	104	119367	19.791	ug/l		99
71) Bromoform	12.133	173	22170	19.055	ug/l	#	100
73) Isopropylbenzene	12.255	105	192163	19.688	ug/l		99
74) N-amyl acetate	12.072	43	47929	19.319	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	33436	19.410	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	19345m	14.886	ug/l		
77) Bromobenzene	12.529	156	44137	19.442	ug/l		99
78) n-propylbenzene	12.596	91	231519	19.547	ug/l		100
79) 2-Chlorotoluene	12.682	91	132259	19.457	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	157749	19.706	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	10784	18.445	ug/l		95
82) 4-Chlorotoluene	12.779	91	136654	19.394	ug/l		100
83) tert-Butylbenzene	12.999	119	139478	19.288	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	156482	19.655	ug/l		100
85) sec-Butylbenzene	13.176	105	207160	19.613	ug/l		99
86) p-Isopropyltoluene	13.291	119	172280	19.534	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	88325	19.668	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	87772	19.784	ug/l		99
89) n-Butylbenzene	13.621	91	162070	19.527	ug/l		100
90) Hexachloroethane	13.883	117	35761	19.411	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	76555	19.457	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4895	17.963	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	45740	19.047	ug/l		100
94) Hexachlorobutadiene	15.023	225	28899	19.115	ug/l		98
95) Naphthalene	15.145	128	73713	18.532	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	38421	18.936	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

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

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

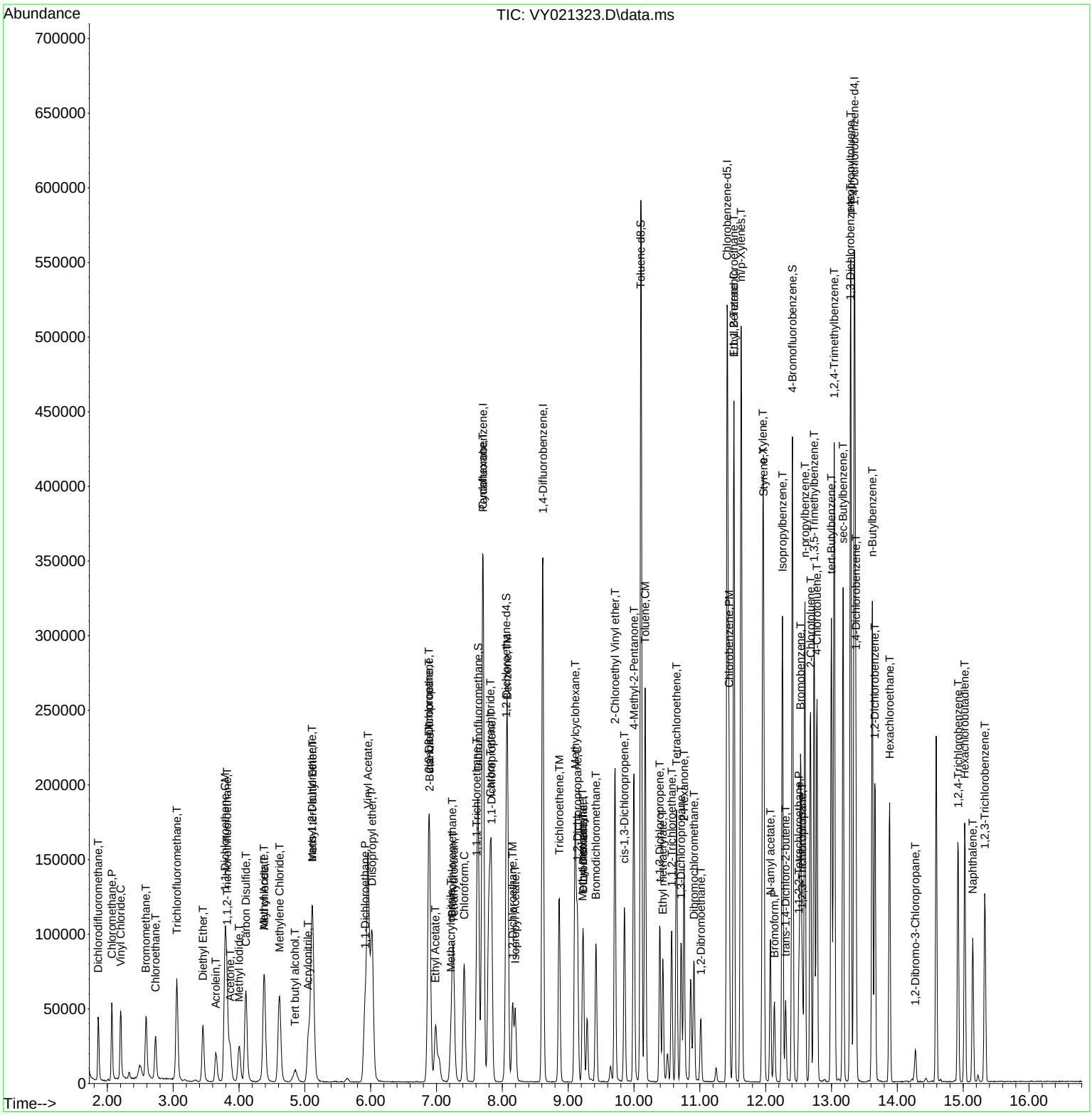
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

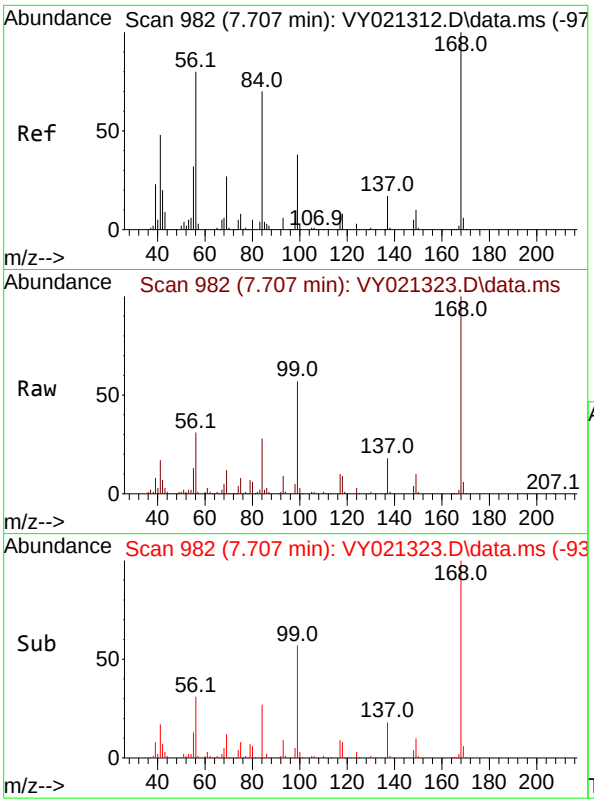
Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

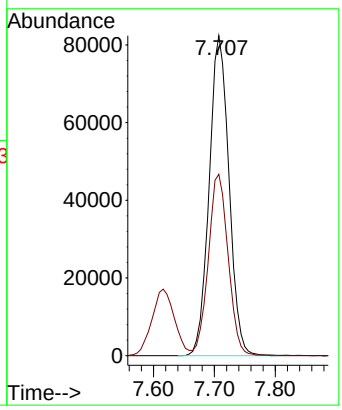




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:168 Resp: 18620

Ion	Ratio	Lower	Upper
168	100		
99	56.7	47.1	70.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/27/2025
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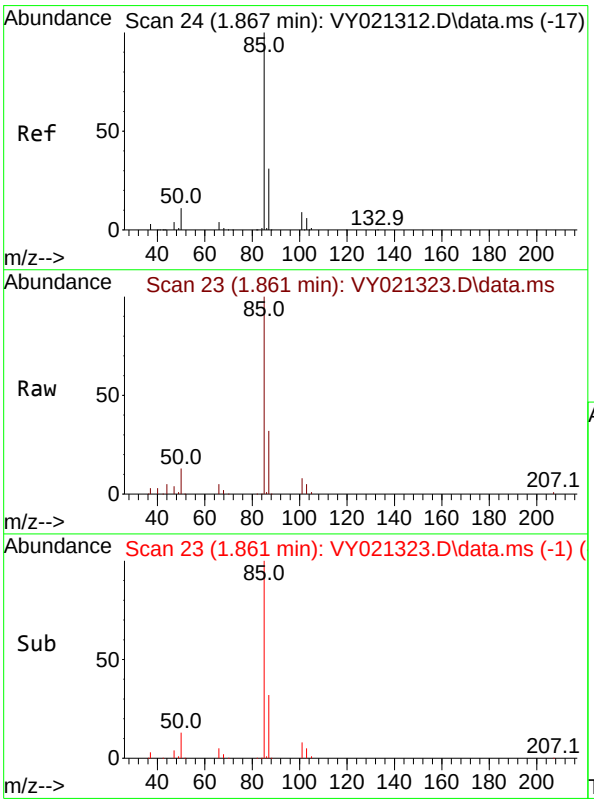
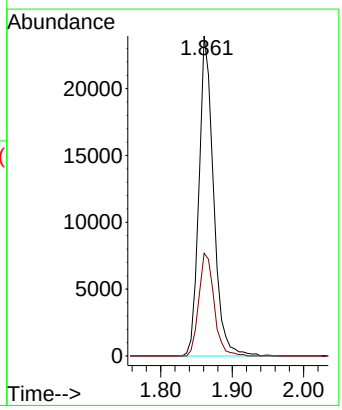
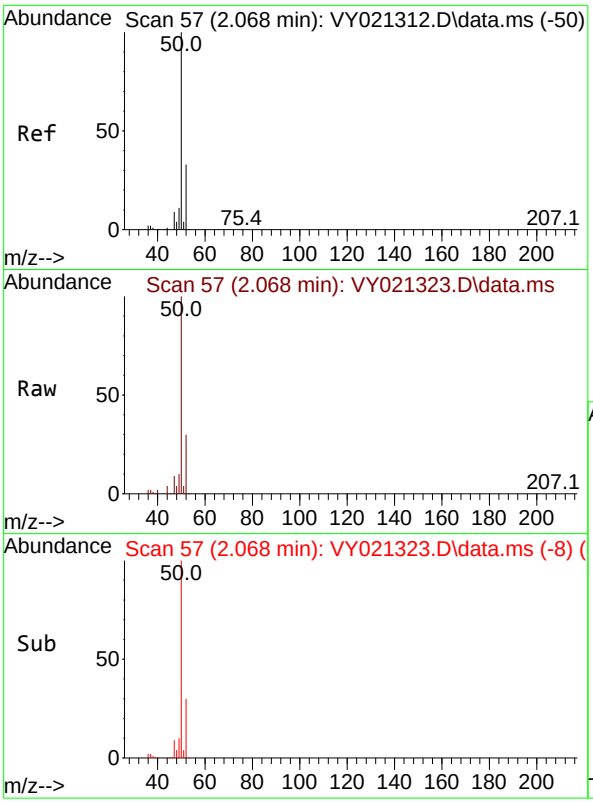


#2
Dichlorodifluoromethane
Concen: 19.219 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 85 Resp: 33929

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.4	46.4

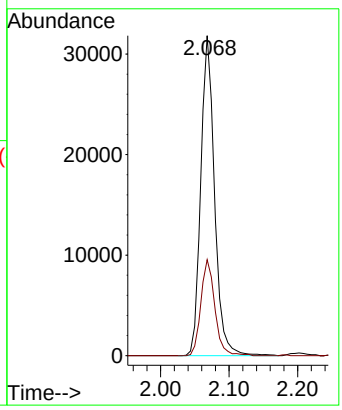




#3
Chloromethane
Concen: 19.581 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 50 Resp: 4464

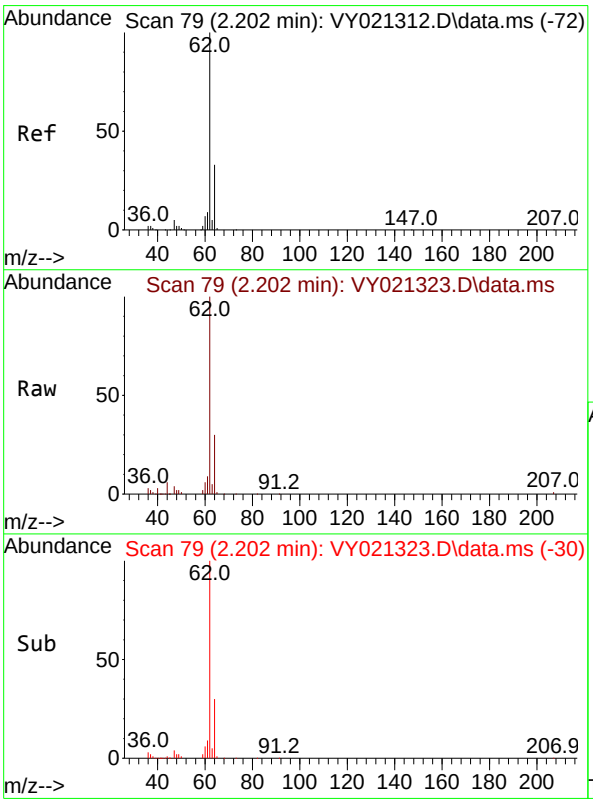
Ion	Ratio	Lower	Upper
50	100		
52	30.0	26.6	40.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
APPROVED

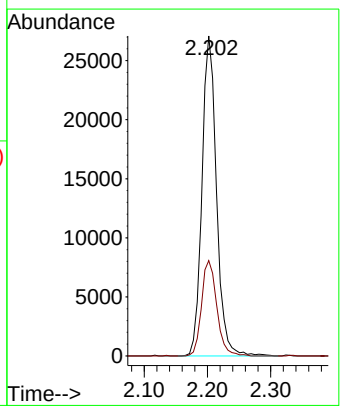
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

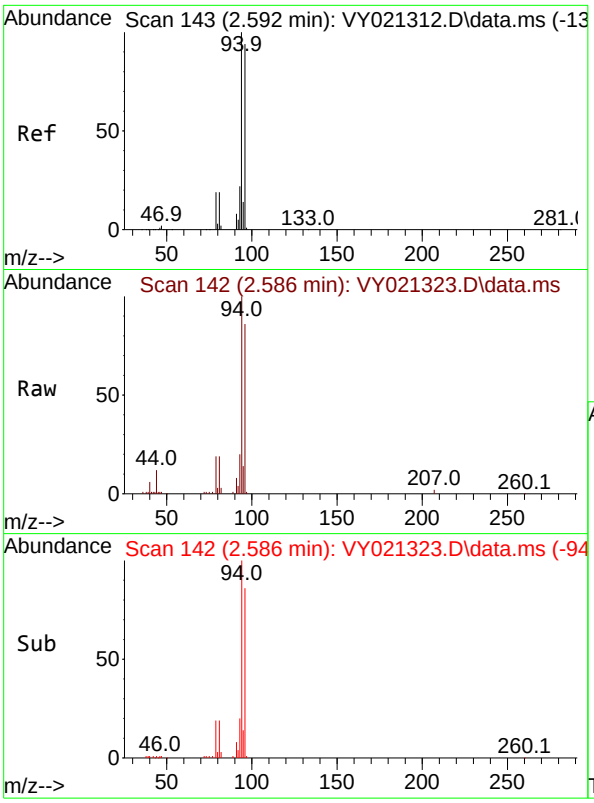


#4
Vinyl Chloride
Concen: 19.408 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 62 Resp: 43431

Ion	Ratio	Lower	Upper
62	100		
64	29.8	26.3	39.5

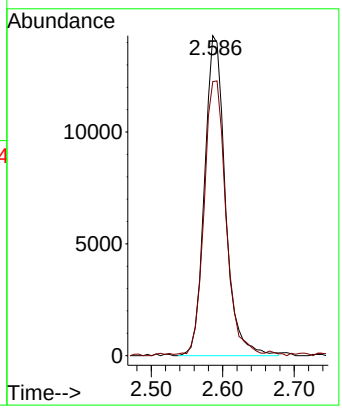




#5
Bromomethane
Concen: 19.417 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 94 Resp: 2887

Ion	Ratio	Lower	Upper
94	100		
96	85.1	75.2	112.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
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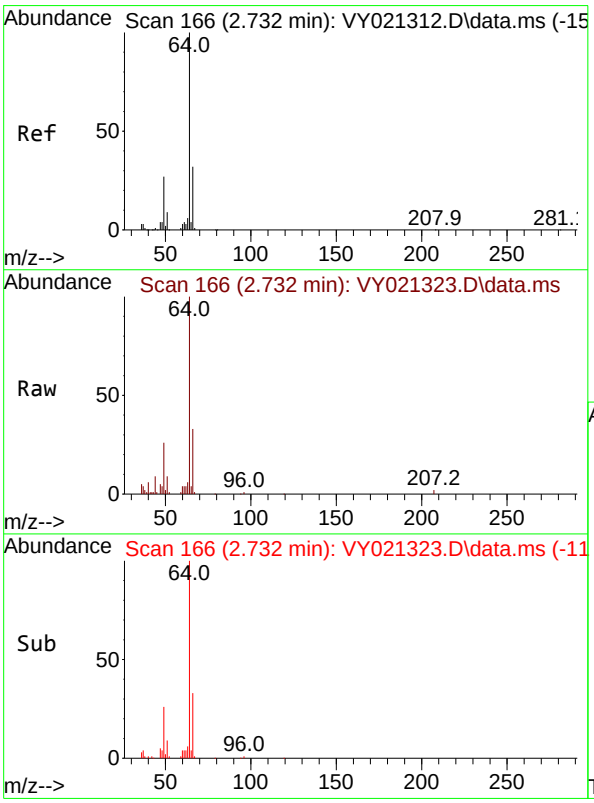
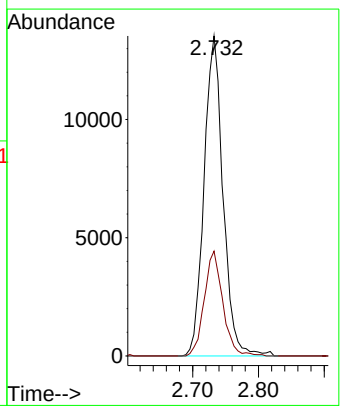
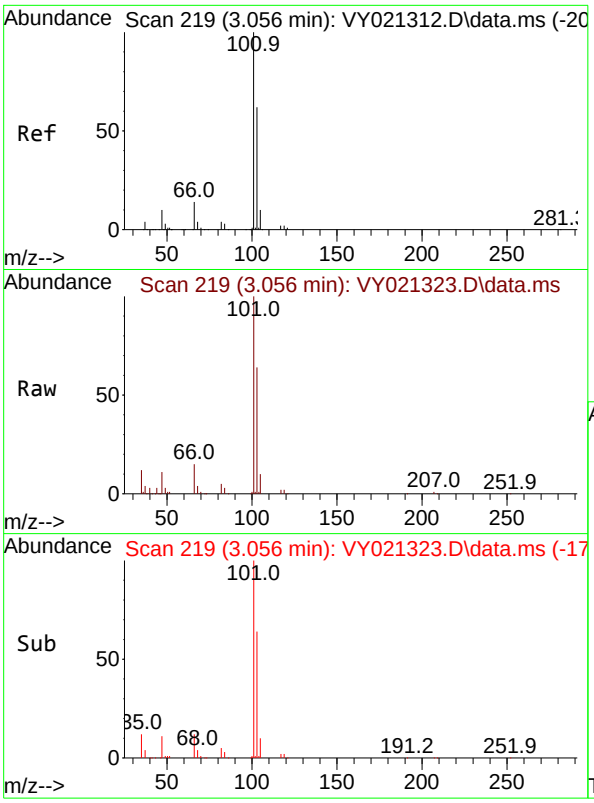


#6
Chloroethane
Concen: 19.569 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 64 Resp: 27157

Ion	Ratio	Lower	Upper
64	100		
66	32.7	25.4	38.0

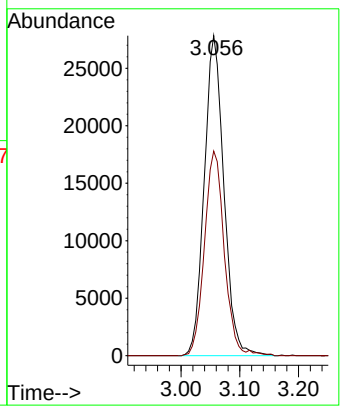




#7
Trichlorofluoromethane
Concen: 19.152 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:101 Resp: 6472

Ion	Ratio	Lower	Upper
101	100		
103	63.9	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
APPROVED

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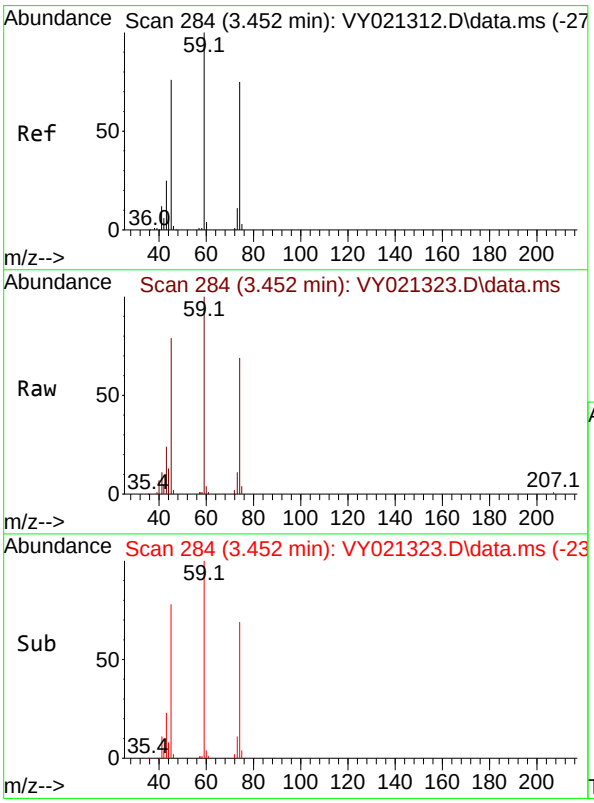
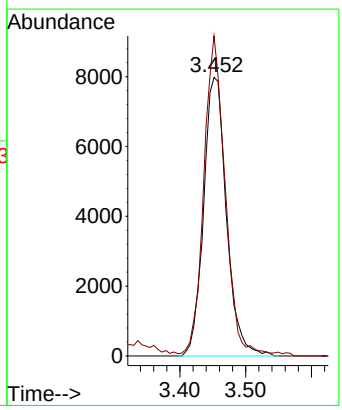
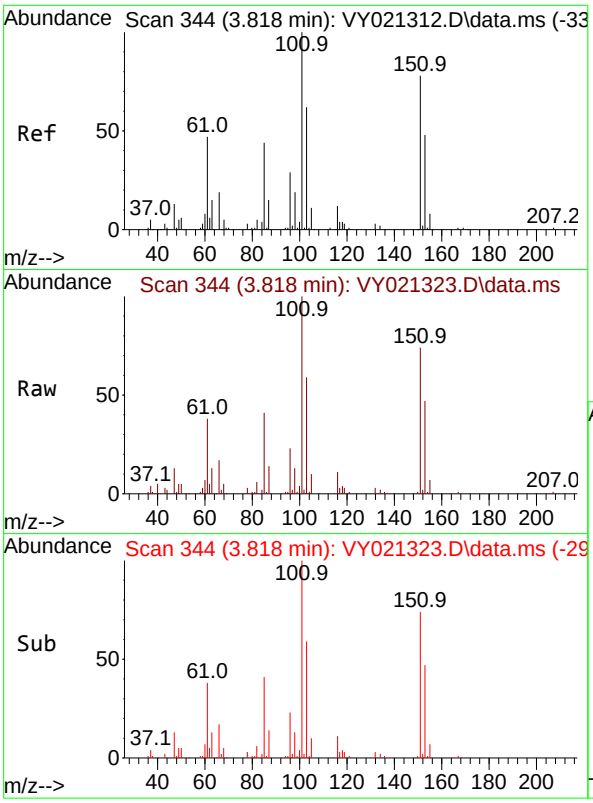


#8
Diethyl Ether
Concen: 19.028 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 74 Resp: 19301

Ion	Ratio	Lower	Upper
74	100		
45	105.2	50.3	150.9

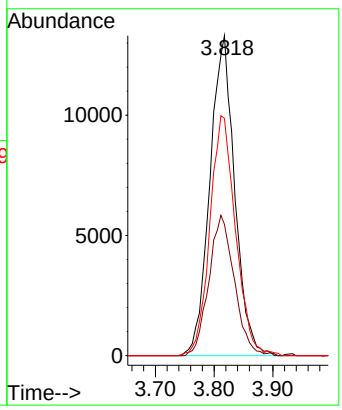




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.956 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:101 Resp: 3904

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.7	55.1
151	77.7	62.6	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/27/2025
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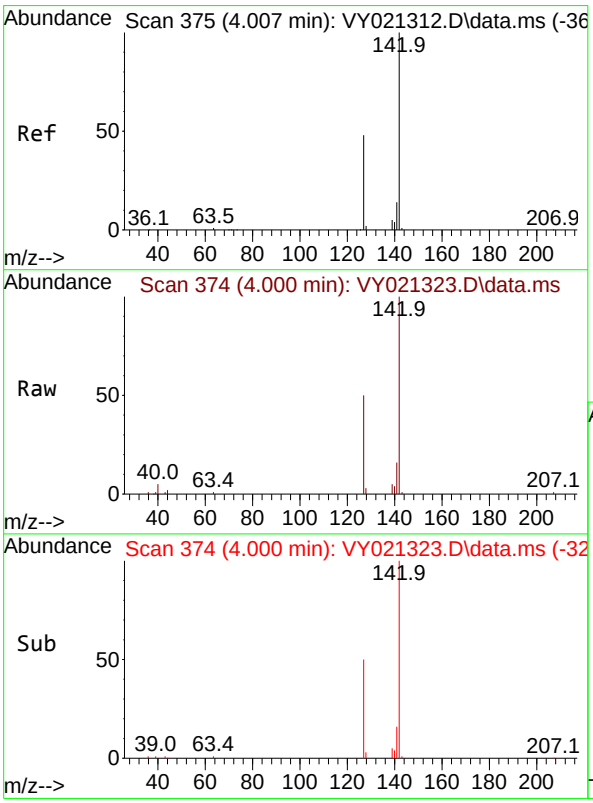
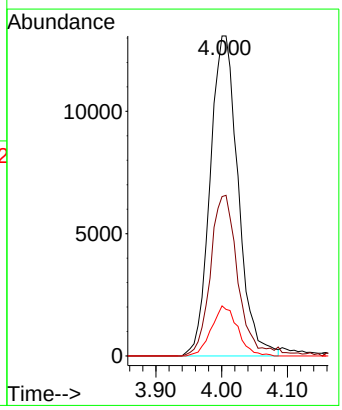
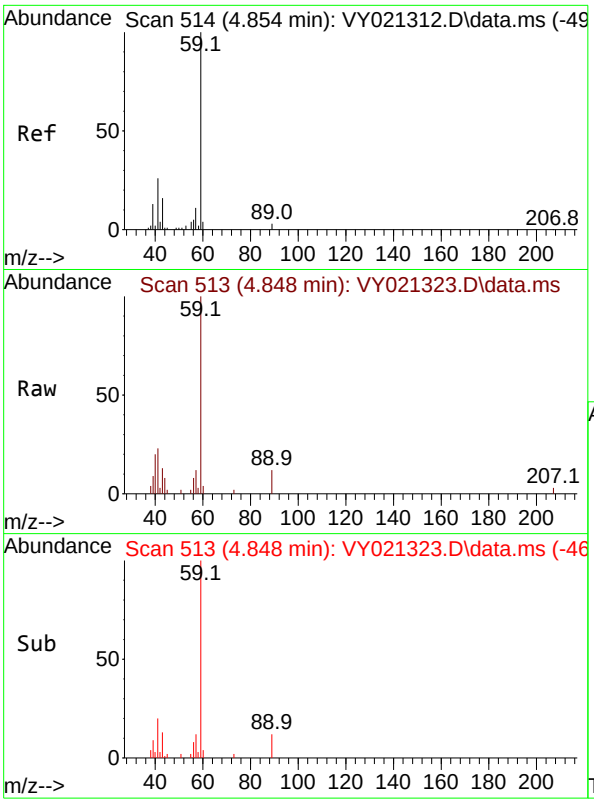


#10
Methyl Iodide
Concen: 18.815 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:142 Resp: 38731

Ion	Ratio	Lower	Upper
142	100		
127	49.9	39.2	58.8
141	14.7	11.4	17.2





#11
Tert butyl alcohol
Concen: 94.274 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 59 Resp: 1531

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.3	12.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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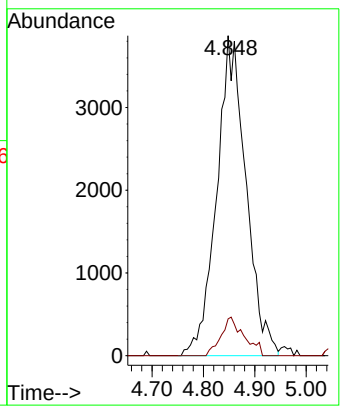
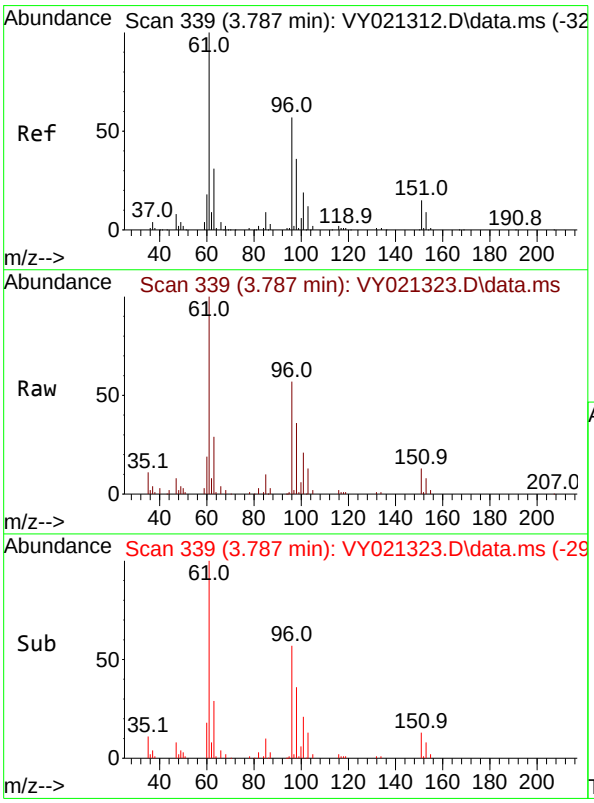
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

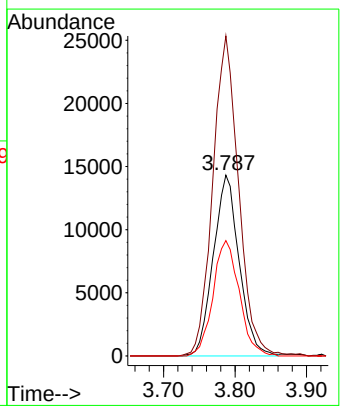


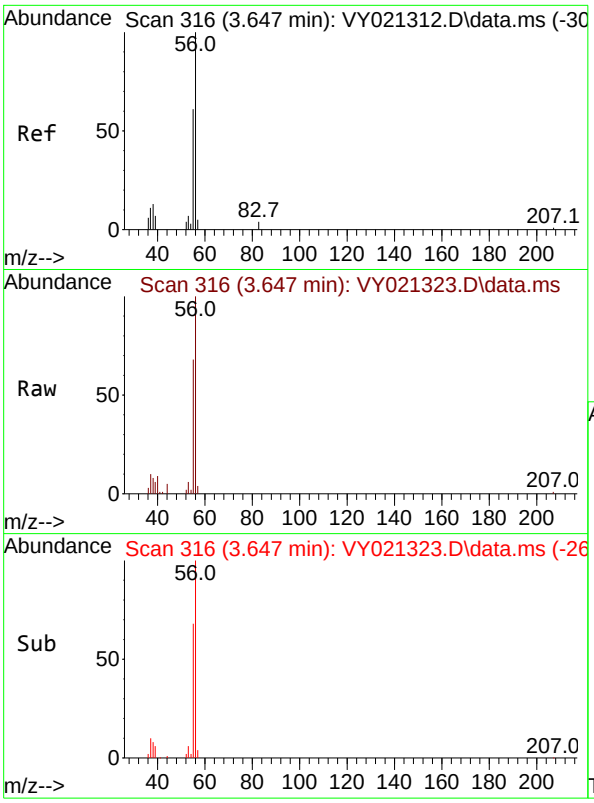


#12
1,1-Dichloroethene
Concen: 19.186 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 96 Resp: 35945

Ion	Ratio	Lower	Upper
96	100		
61	177.0	139.7	209.5
98	63.8	49.7	74.5

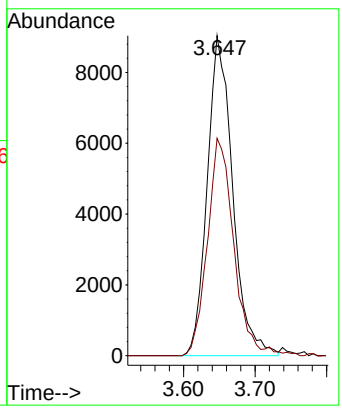




#13
Acrolein
Concen: 179.408 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 56 Resp: 2233

Ion	Ratio	Lower	Upper
56	100		
55	70.6	59.0	88.6



Instrument :
MSVOA_Y
ClientSampleId :
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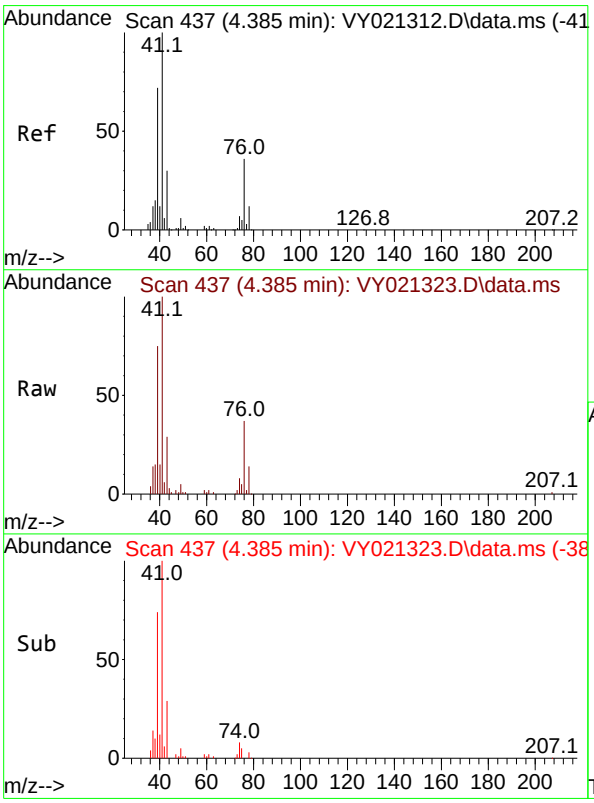
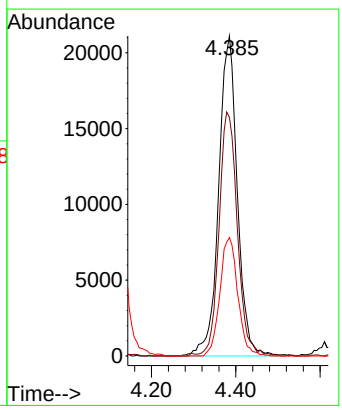
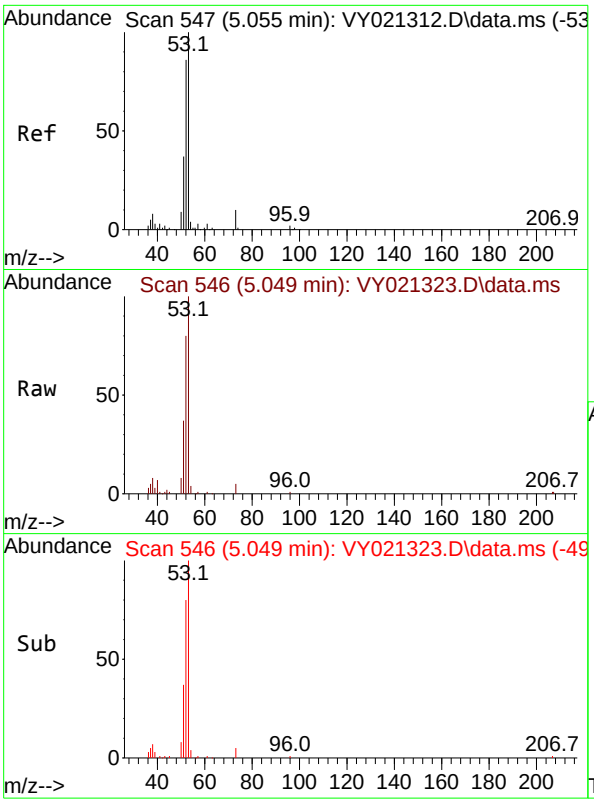


#14
Allyl chloride
Concen: 19.454 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 41 Resp: 64619

Ion	Ratio	Lower	Upper
41	100		
39	74.7	60.0	90.0
76	35.5	29.0	43.6





#15
Acrylonitrile
Concen: 95.540 ug/l
RT: 5.049 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 53 Resp: 4284

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.5	98.3
51	38.7	30.6	46.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
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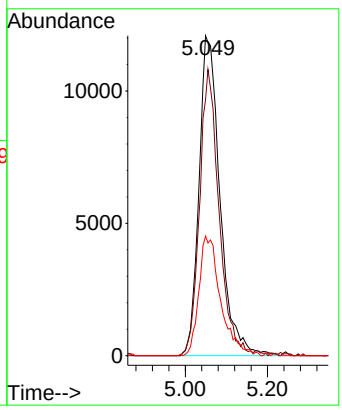
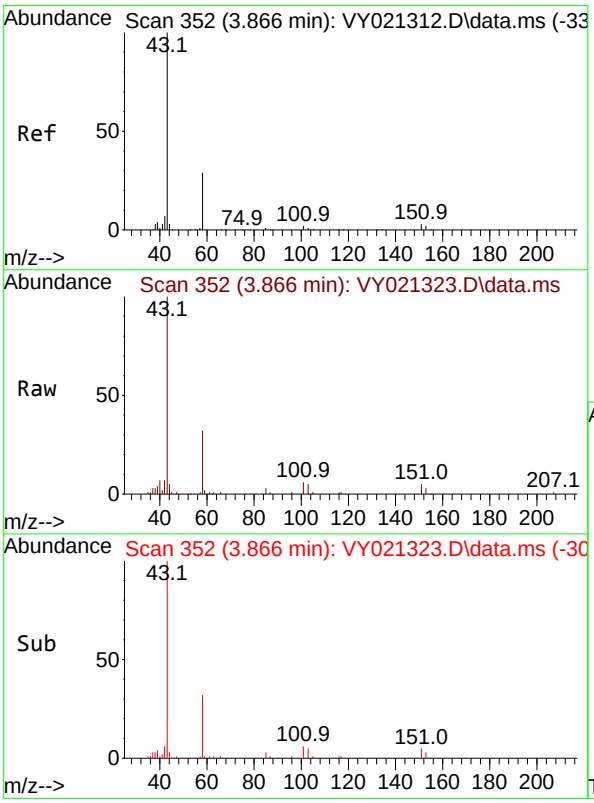
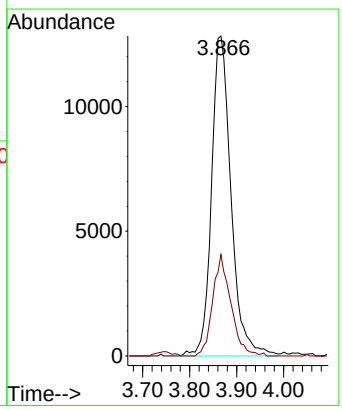


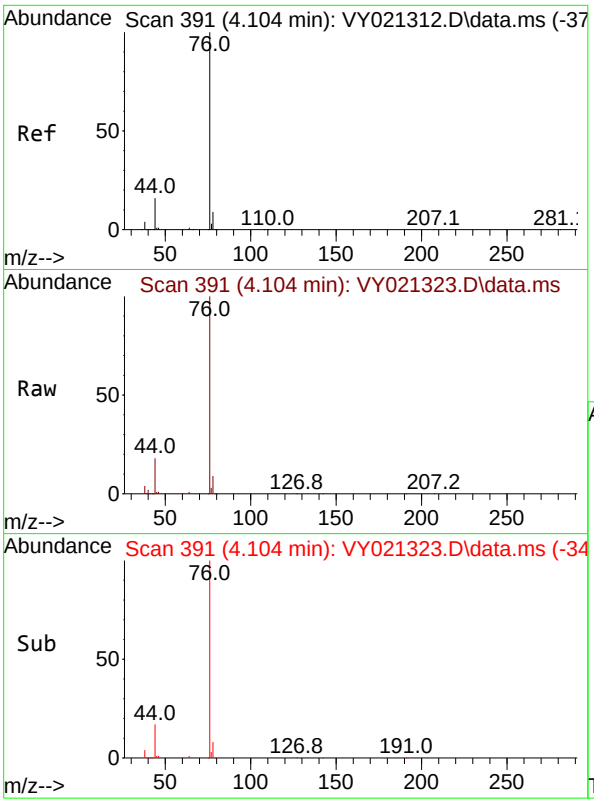


#16
Acetone
Concen: 91.302 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 36994

Ion	Ratio	Lower	Upper
43	100		
58	31.7	23.5	35.3

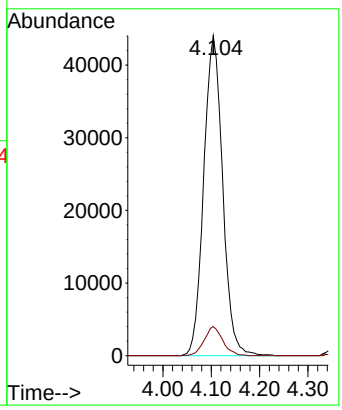




#17
Carbon Disulfide
Concen: 19.240 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 76 Resp: 11969

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7



Instrument :
MSVOA_Y
ClientSampleId :
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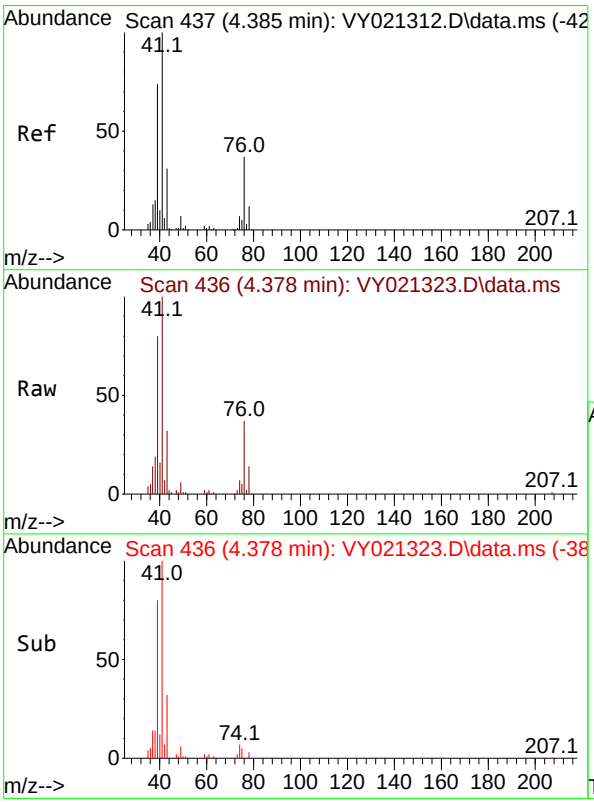
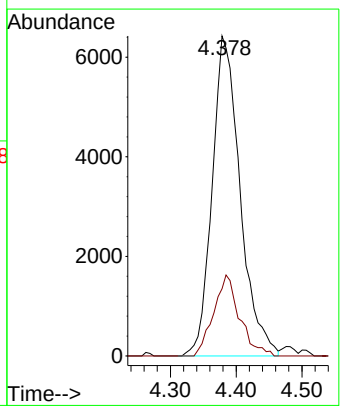
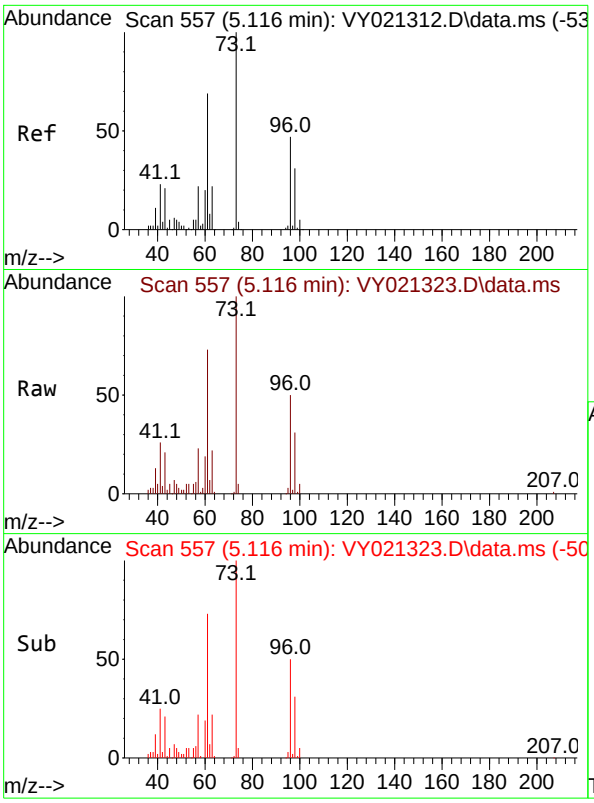


#18
Methyl Acetate
Concen: 19.188 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 19000

Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.7	26.5

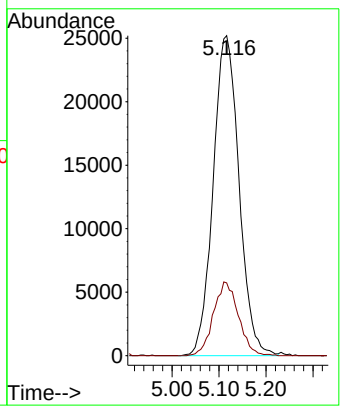




#19
Methyl tert-butyl Ether
Concen: 19.498 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 73 Resp: 9651

Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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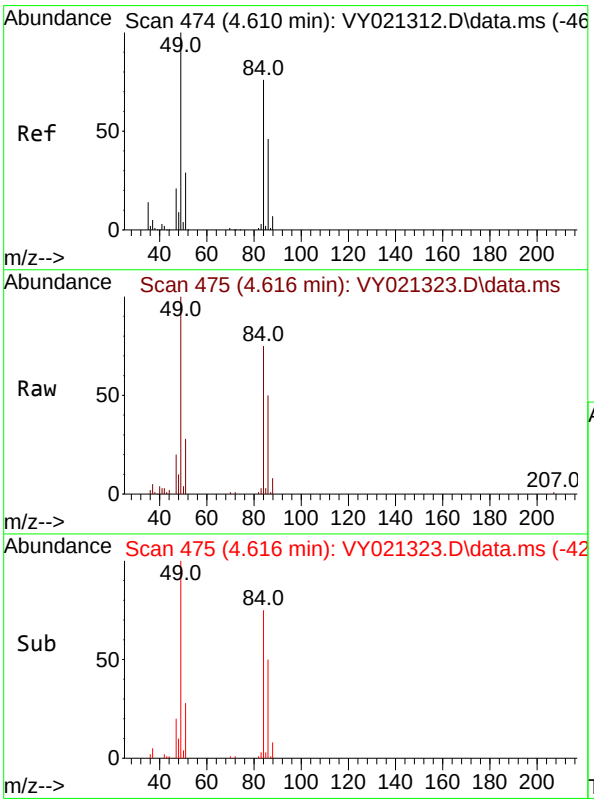
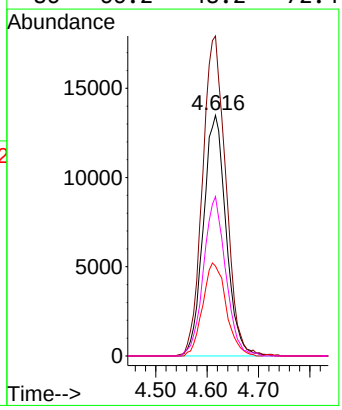
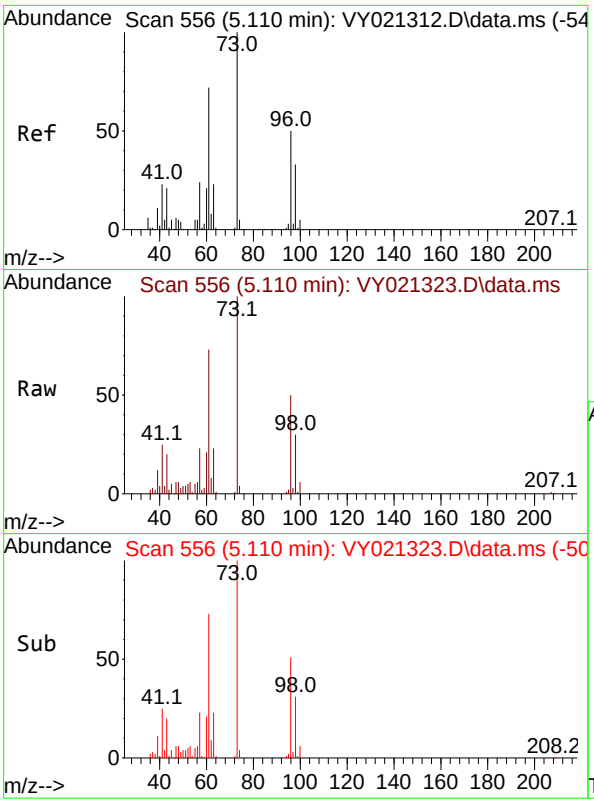


#20
Methylene Chloride
Concen: 18.908 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 84 Resp: 41428

Ion	Ratio	Lower	Upper
84	100		
49	132.6	105.1	157.7
51	37.4	31.0	46.4
86	66.2	48.2	72.4

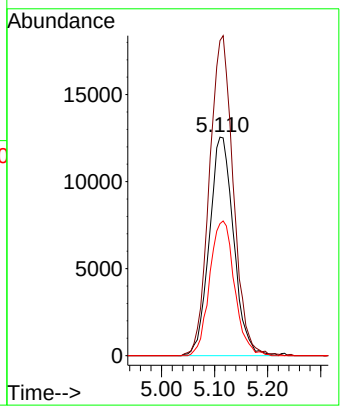




#21
trans-1,2-Dichloroethene
Concen: 19.387 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 96 Resp: 3998

Ion	Ratio	Lower	Upper
96	100		
61	144.1	116.3	174.5
98	60.4	52.6	78.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
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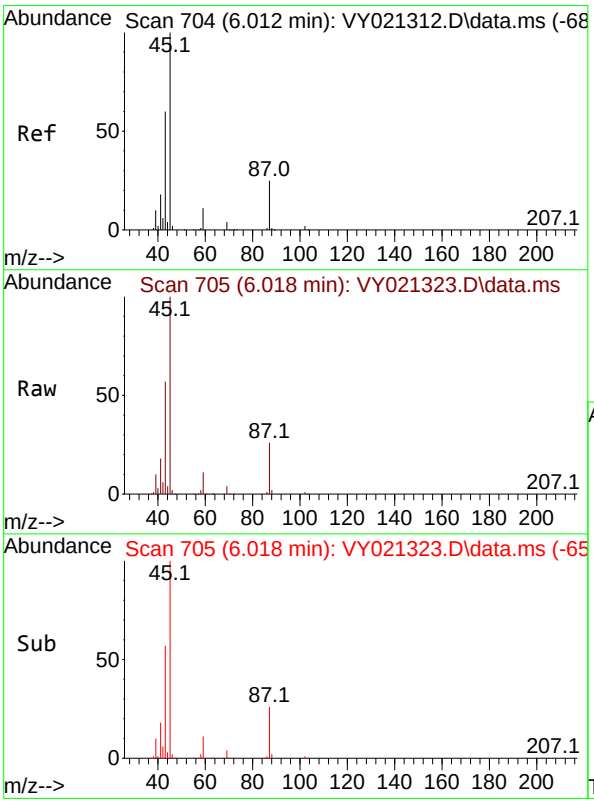
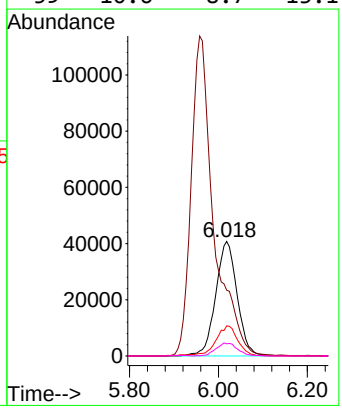
Supervised By :Mahesh Dadoda 02/27/2025

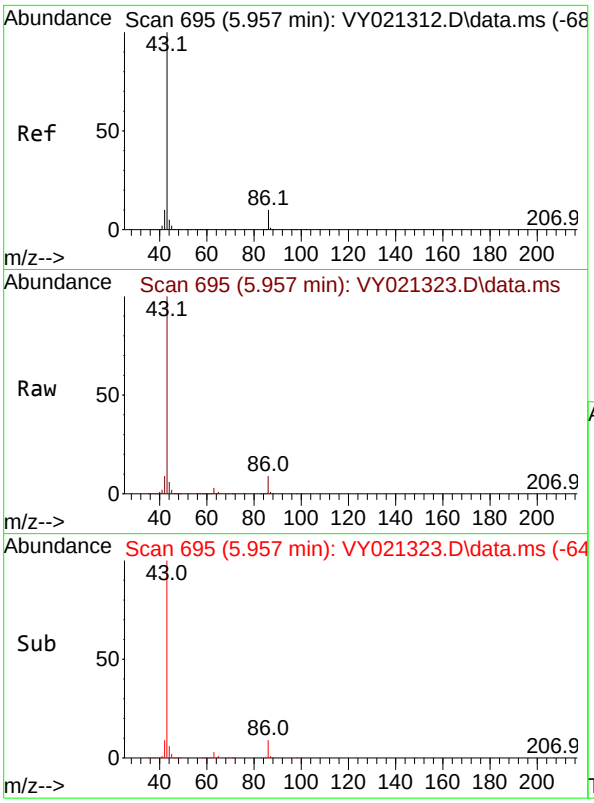


#22
Diisopropyl ether
Concen: 19.868 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 45 Resp: 136570

Ion	Ratio	Lower	Upper
45	100		
43	56.8	48.2	72.4
87	26.3	20.3	30.5
59	10.6	8.7	13.1

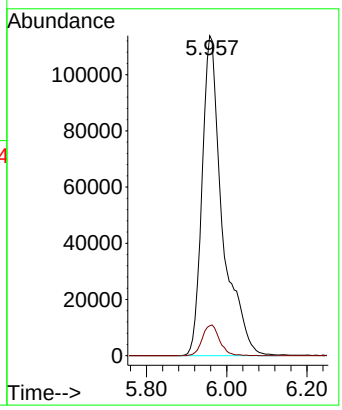




#23
Vinyl Acetate
Concen: 97.548 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 40068

Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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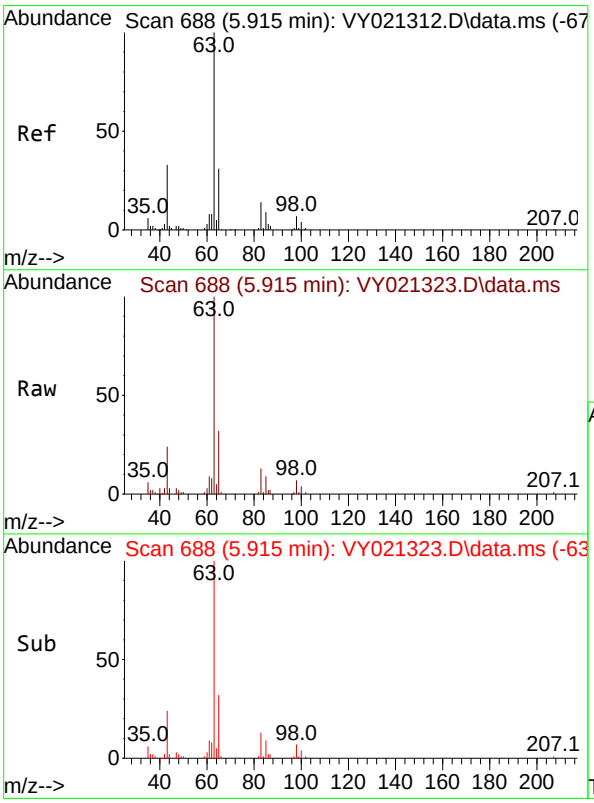
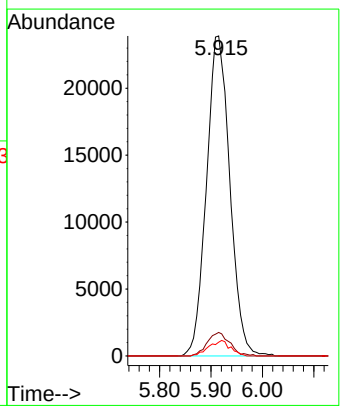
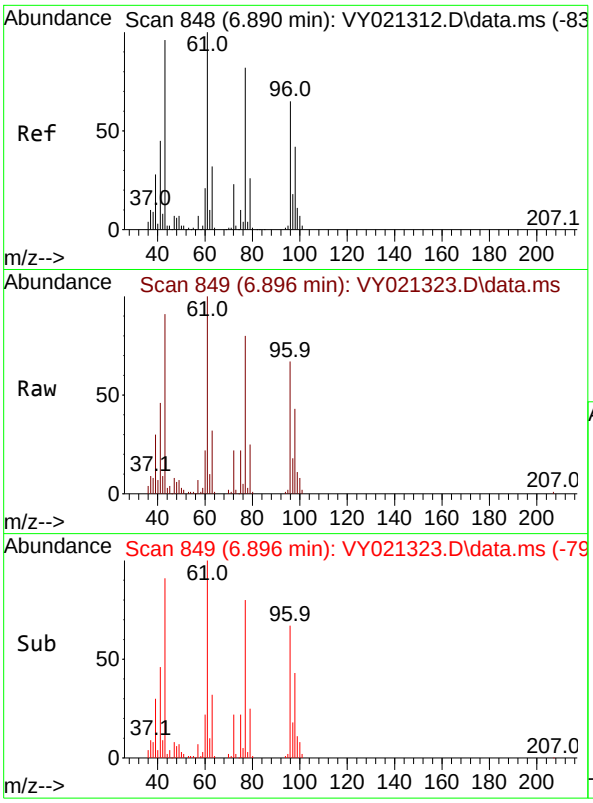


#24
1,1-Dichloroethane
Concen: 19.476 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 63 Resp: 75455

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 94.416 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 5773

Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
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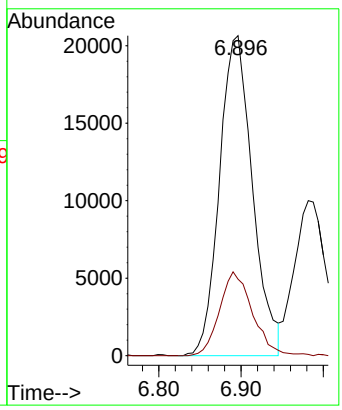
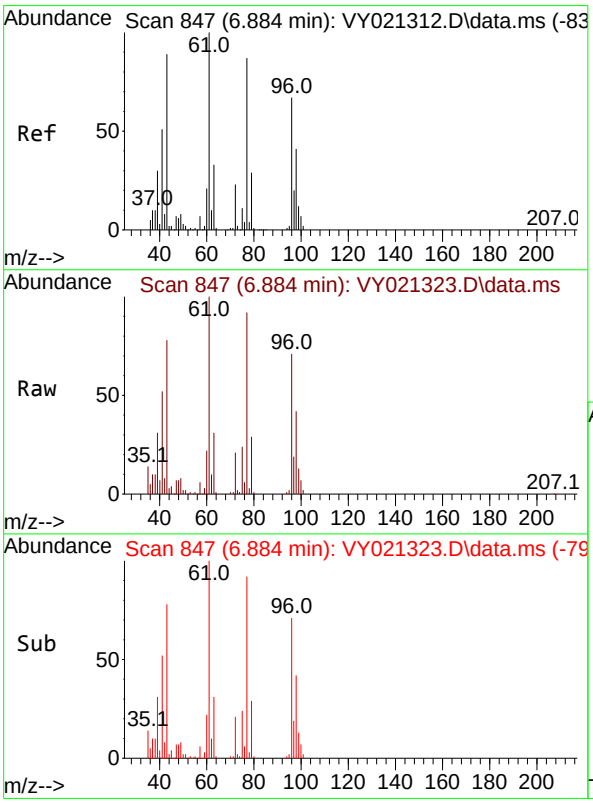
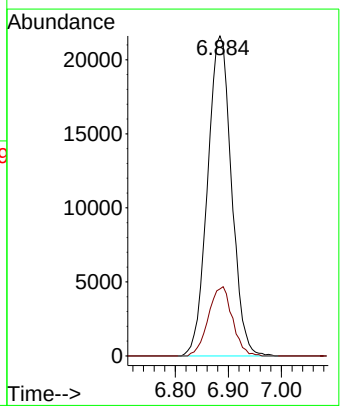


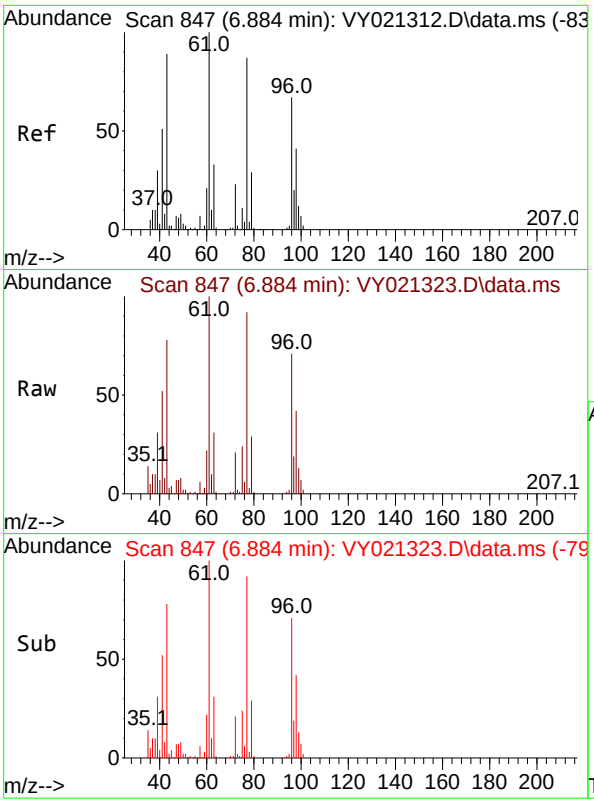


#26
2,2-Dichloropropane
Concen: 19.300 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 77 Resp: 67846

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7

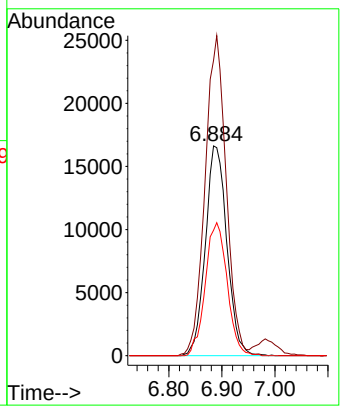




#27
cis-1,2-Dichloroethene
Concen: 19.905 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 96 Resp: 4688

Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	308.0
98	64.4	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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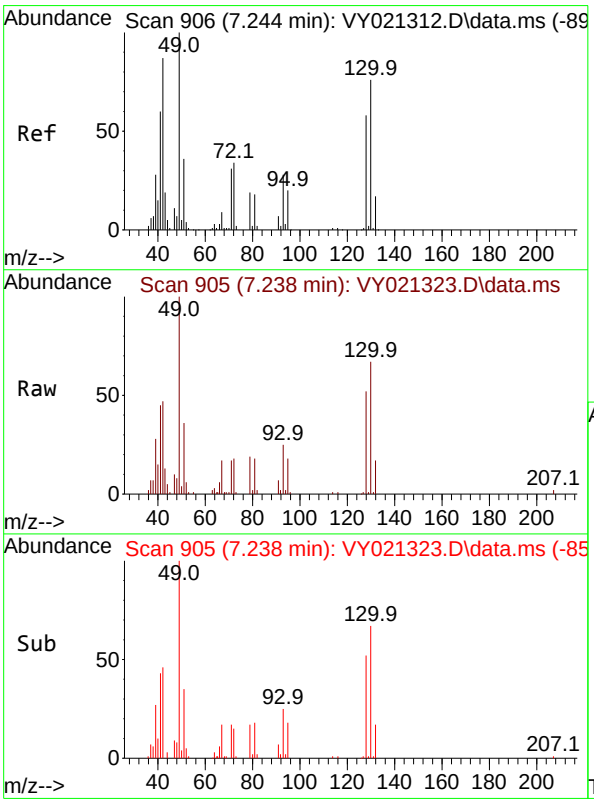
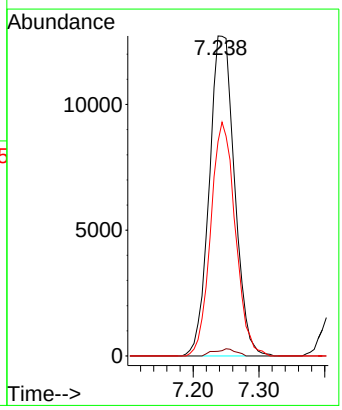
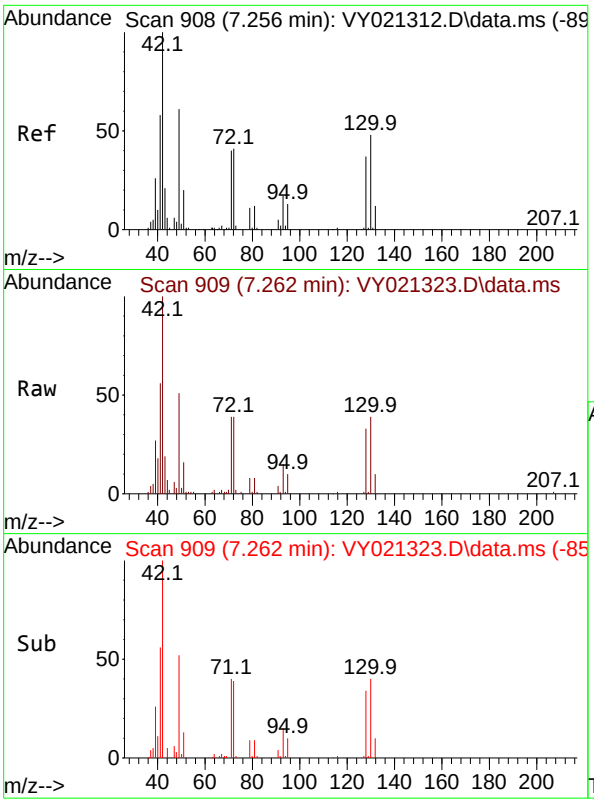


#28
Bromochloromethane
Concen: 19.882 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 49 Resp: 34082

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	71.0	57.8	86.6

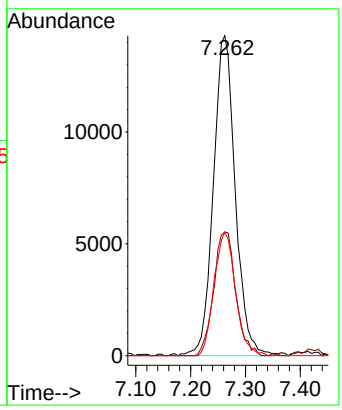




#29
Tetrahydrofuran
Concen: 99.167 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 42 Resp: 3963

Ion	Ratio	Lower	Upper
42	100		
72	39.0	33.1	49.7
71	37.9	31.4	47.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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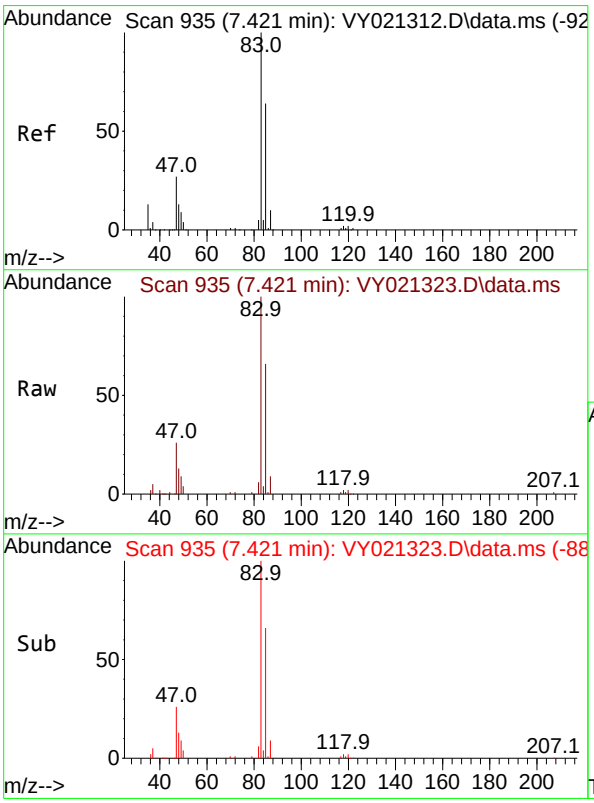
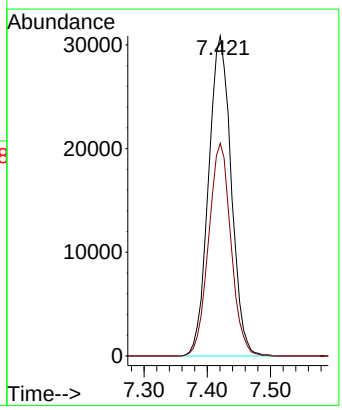
Supervised By :Mahesh Dadoda 02/27/2025

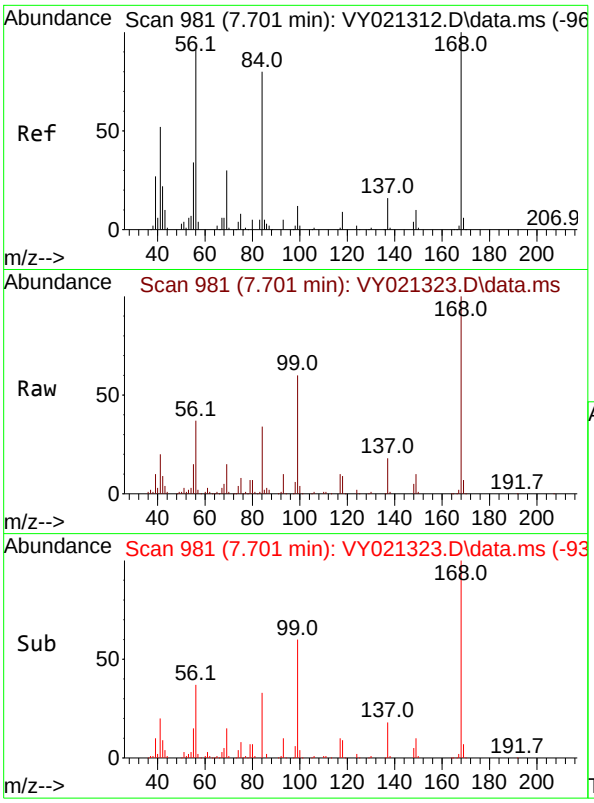


#30
Chloroform
Concen: 19.537 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 83 Resp: 76696

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.6	77.4





#31
Cyclohexane
Concen: 19.104 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 56 Resp: 7114

Ion	Ratio	Lower	Upper
56	100		
69	40.1	26.2	39.4
84	90.8	70.2	105.4

Instrument :
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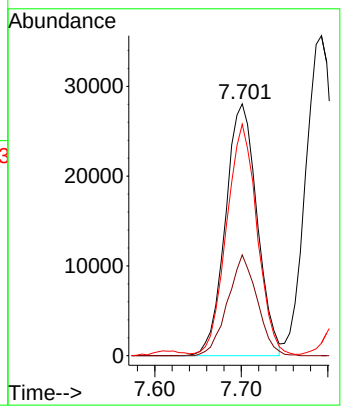
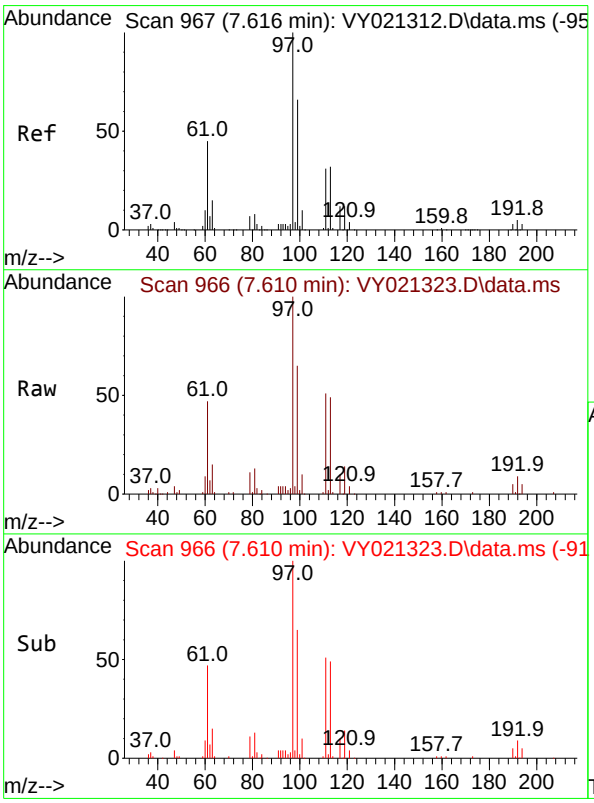
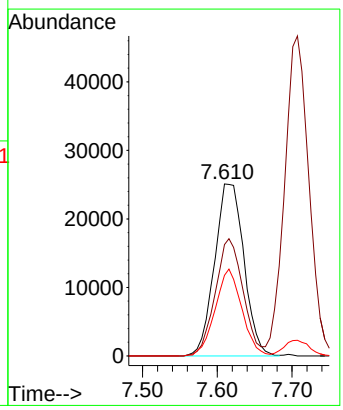


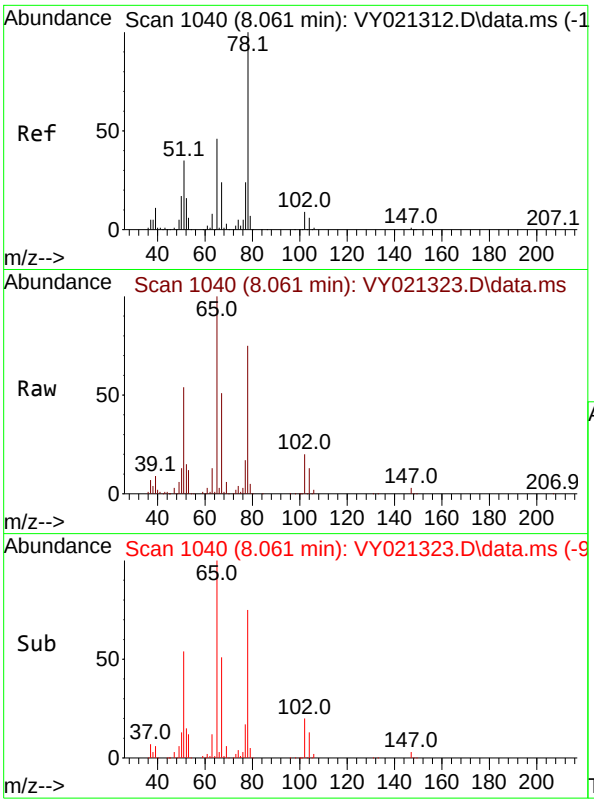


#32
1,1,1-Trichloroethane
Concen: 19.226 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 97 Resp: 68700

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.4	78.6
61	45.9	36.2	54.2

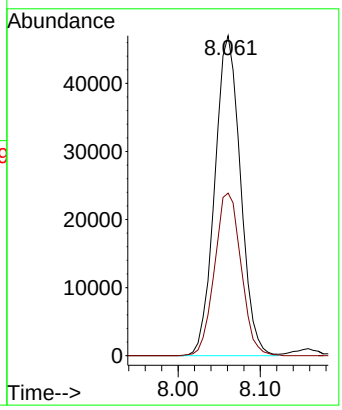




#33
1,2-Dichloroethane-d4
Concen: 48.451 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 65 Resp: 10234

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.6



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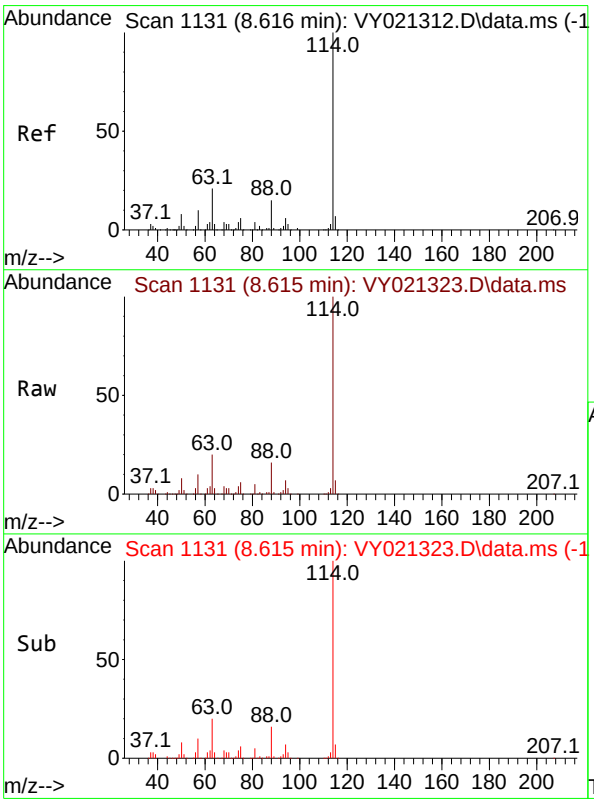
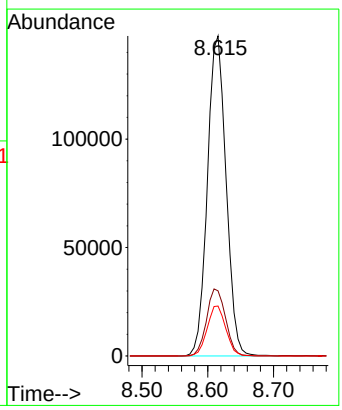
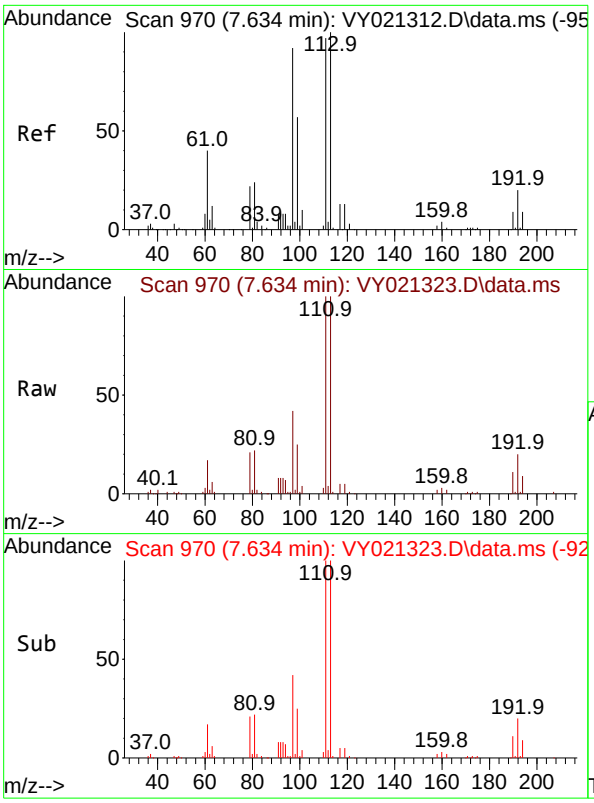


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:114 Resp: 292071

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.2
88	15.6	0.0	29.8

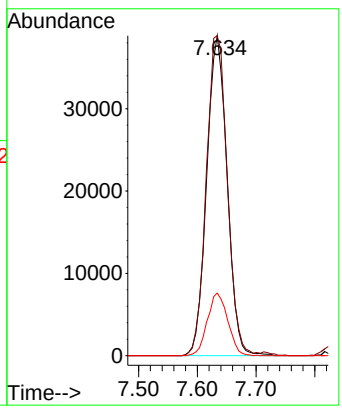




#35
Dibromofluoromethane
Concen: 49.120 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:113 Resp: 9405

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.0	121.6
192	19.6	15.8	23.8



Instrument :
MSVOA_Y
ClientSampleId :
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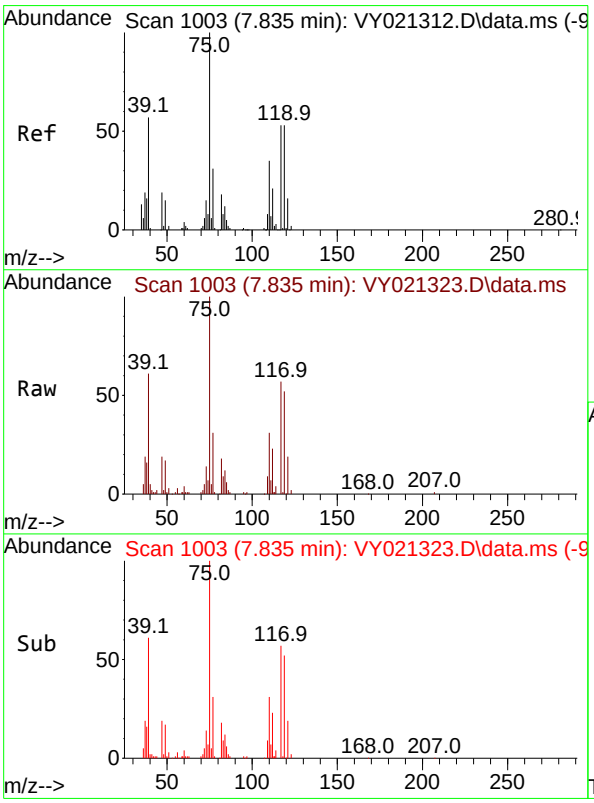
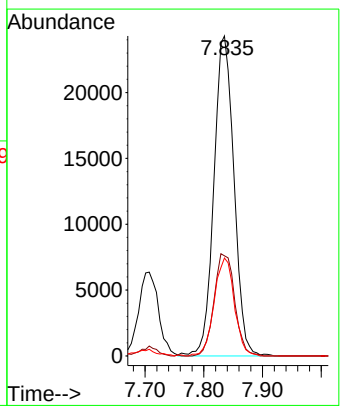
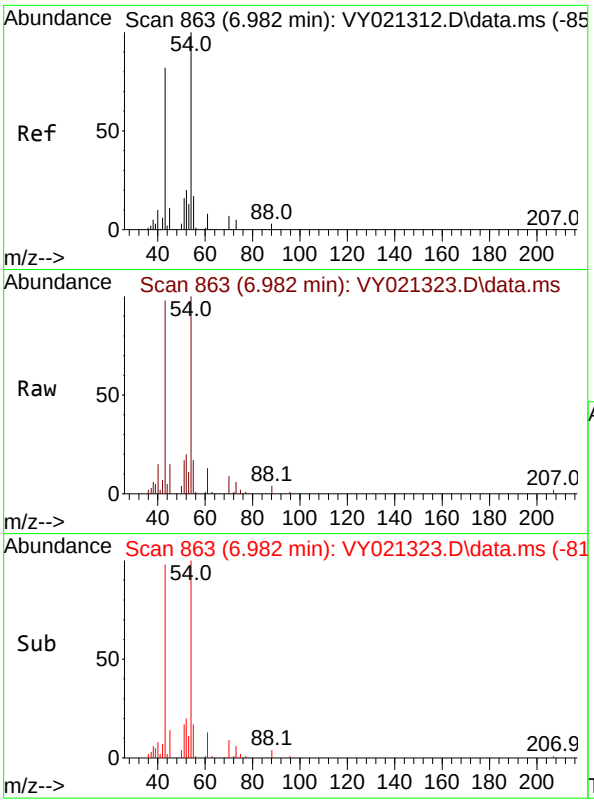


#36
1,1-Dichloropropene
Concen: 20.043 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 57651

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.7
77	30.8	24.6	36.8

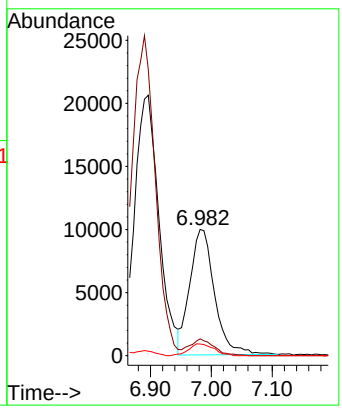




#37
Ethyl Acetate
Concen: 19.665 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 2813

Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.4	15.6
70	9.5	7.5	11.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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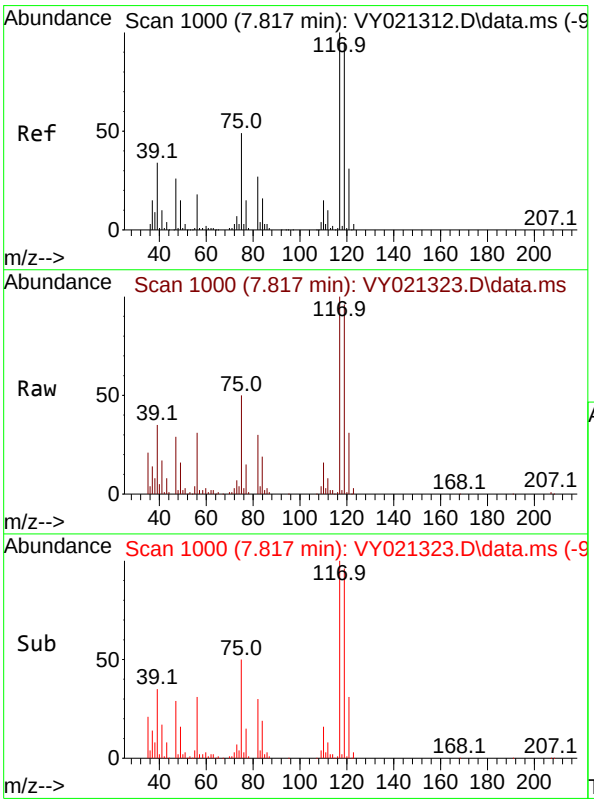
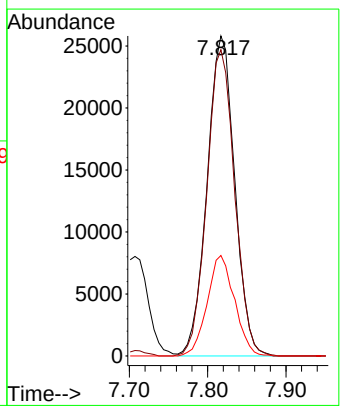
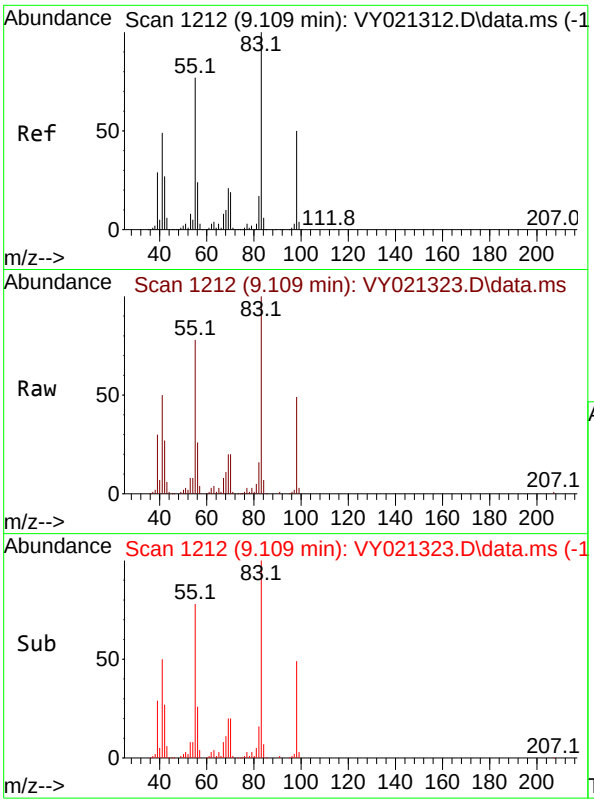


#38
Carbon Tetrachloride
Concen: 19.587 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:117 Resp: 63336

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.0	114.0
121	31.4	24.9	37.3





#39
Methylcyclohexane
Concen: 19.543 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 83 Resp: 7109

Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.3	91.9
98	49.2	39.9	59.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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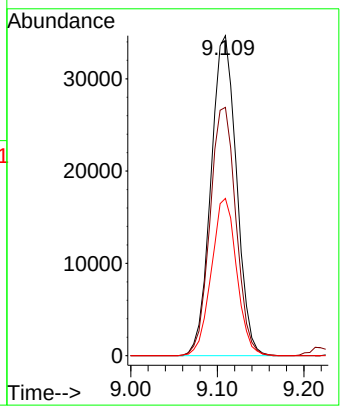
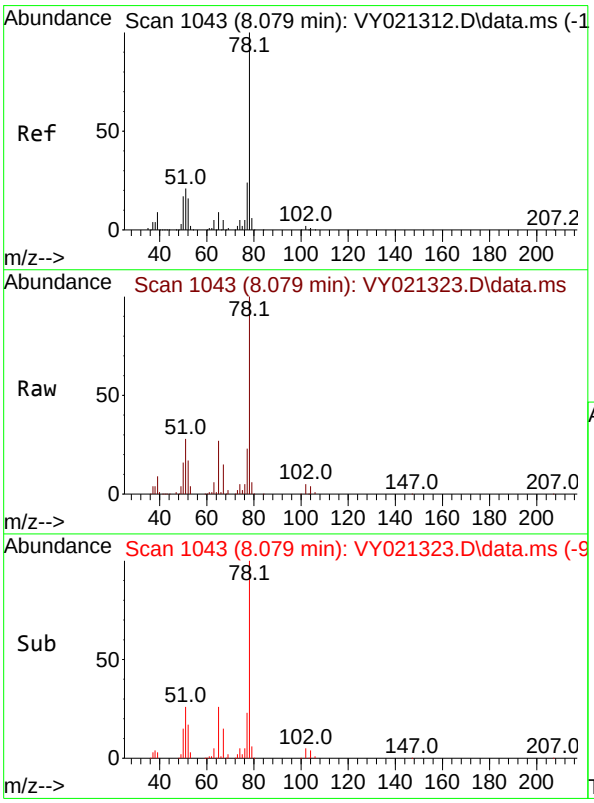
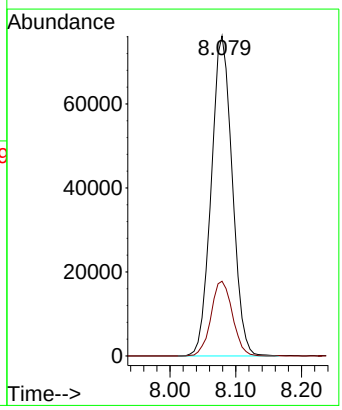


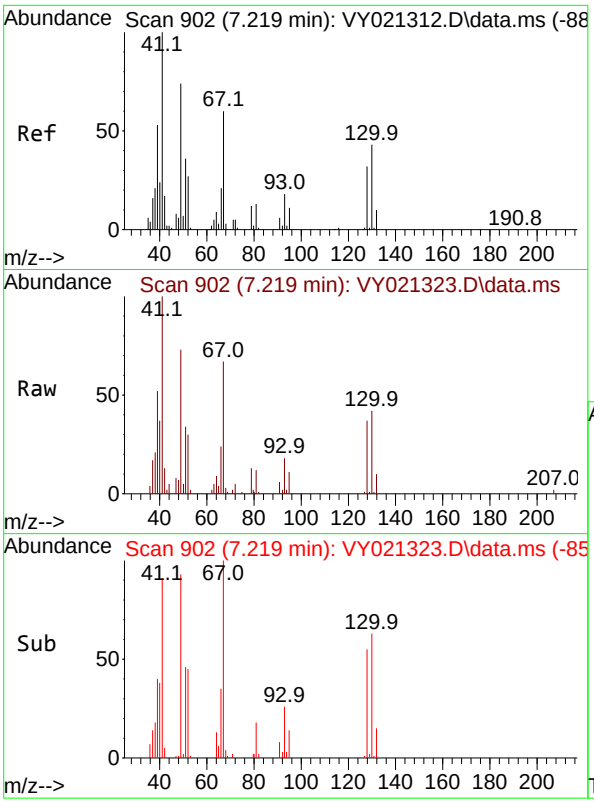


#40
Benzene
Concen: 19.922 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 78 Resp: 169384

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8

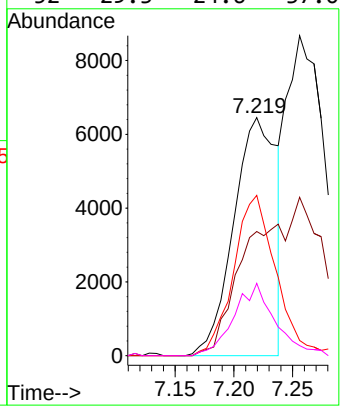




#41
Methacrylonitrile
Concen: 20.455 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 41 Resp: 1636

Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.3	63.5
67	66.9	54.8	82.2
52	29.3	24.6	37.0



Instrument :
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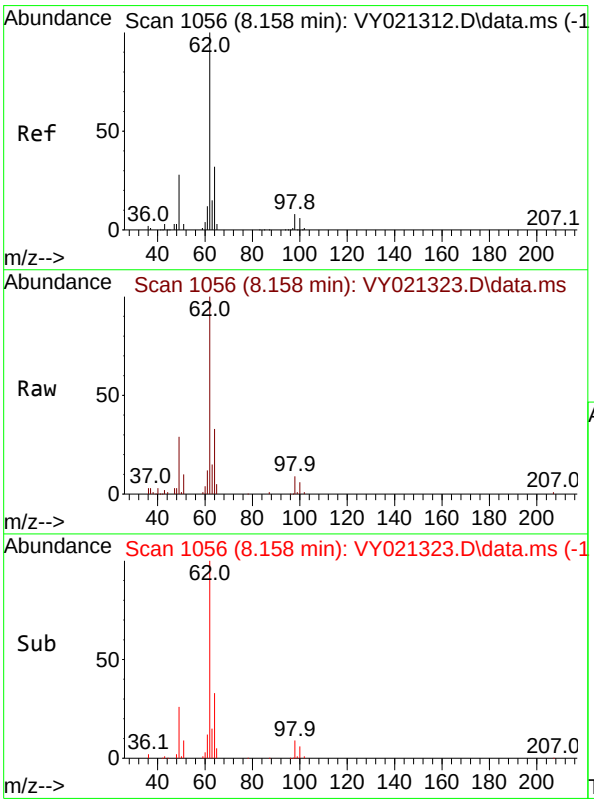
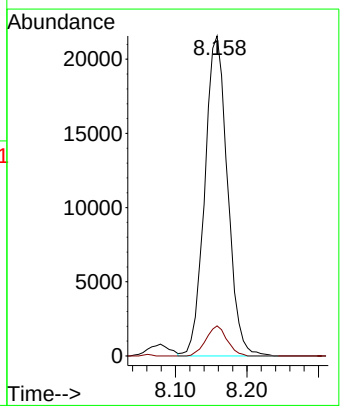
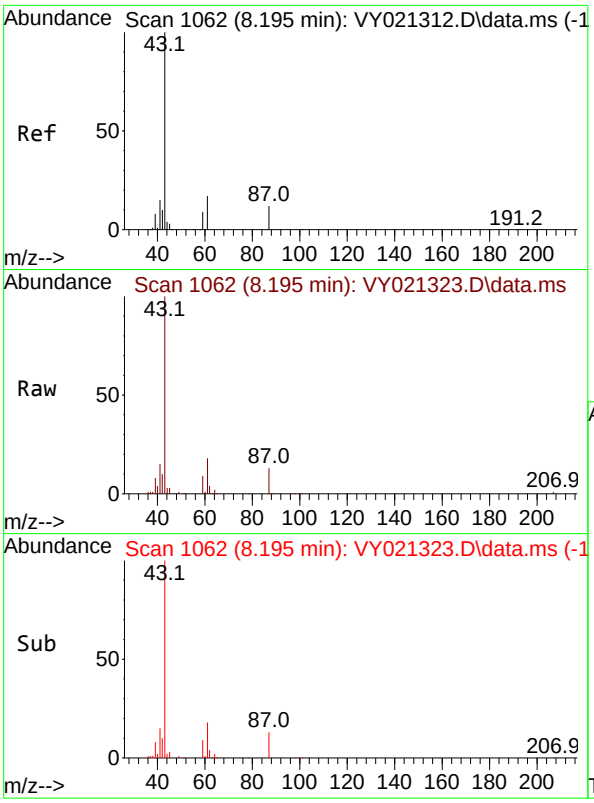


#42
1,2-Dichloroethane
Concen: 19.718 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 62 Resp: 47566

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6

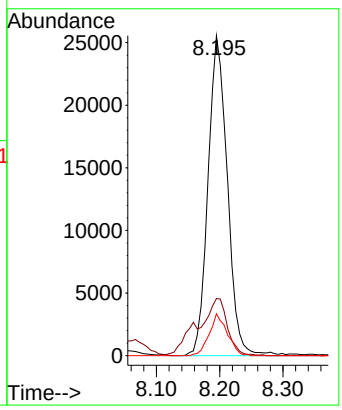




#43
Isopropyl Acetate
Concen: 19.618 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 5433

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.0	22.6
87	12.2	10.0	15.0



Instrument :
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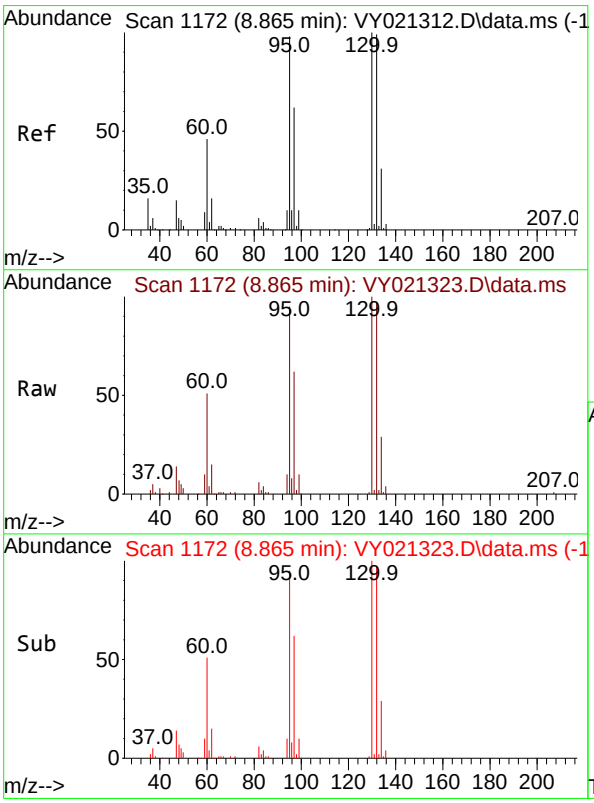
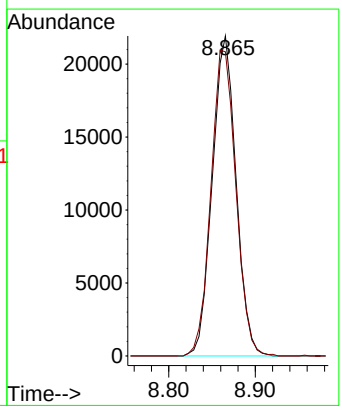
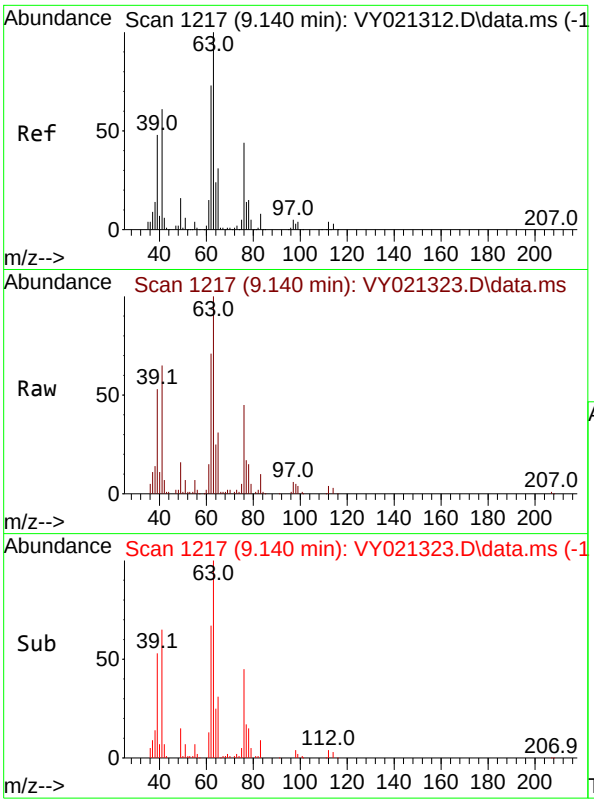


#44
Trichloroethene
Concen: 19.638 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:130 Resp: 41805

Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	196.0

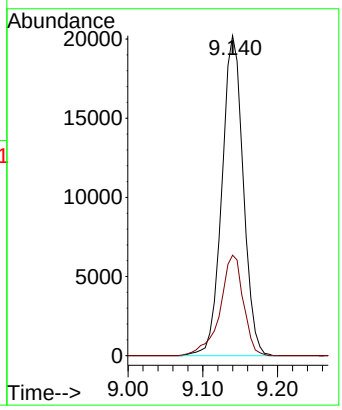




#45
1,2-Dichloropropane
Concen: 19.592 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 63 Resp: 4008

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8



Instrument :
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ClientSampleId :
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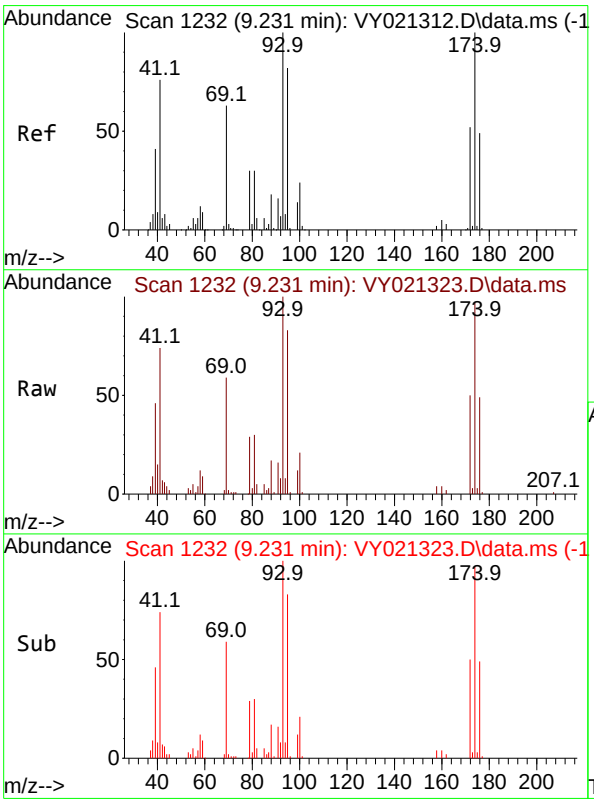
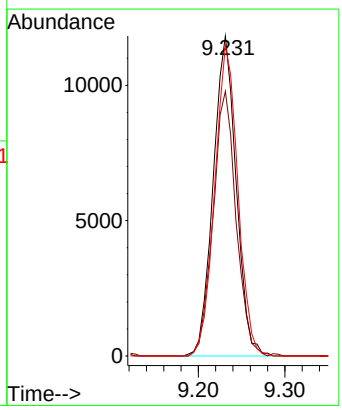
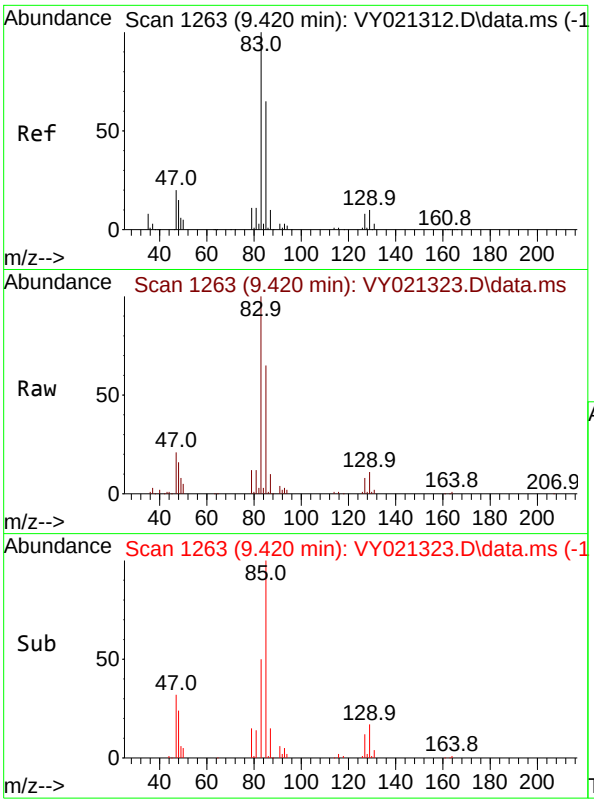


#46
Dibromomethane
Concen: 19.425 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 93 Resp: 21727

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.4	99.6
174	97.9	78.2	117.2

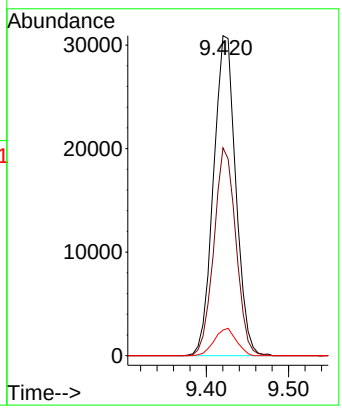




#47
Bromodichloromethane
Concen: 19.487 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 83 Resp: 5811

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8
127	8.0	6.7	10.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
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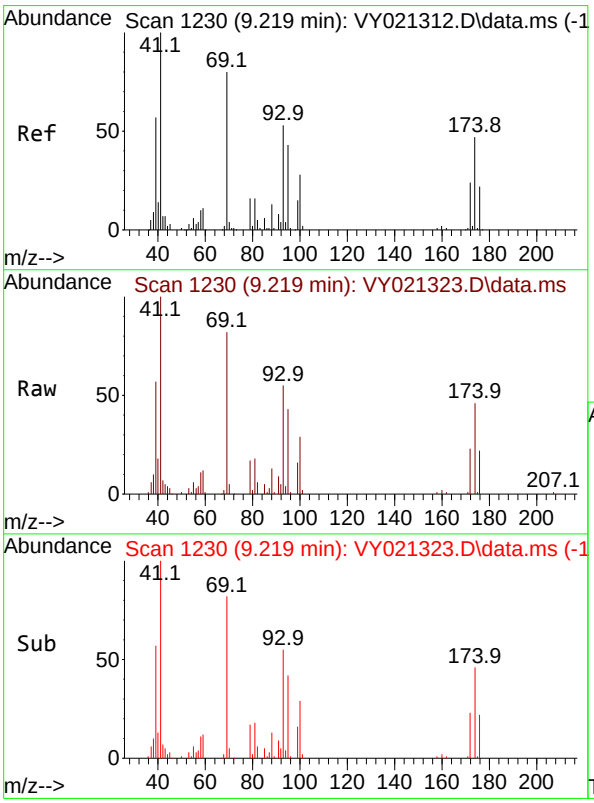
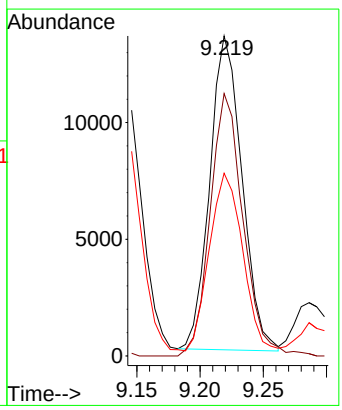
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

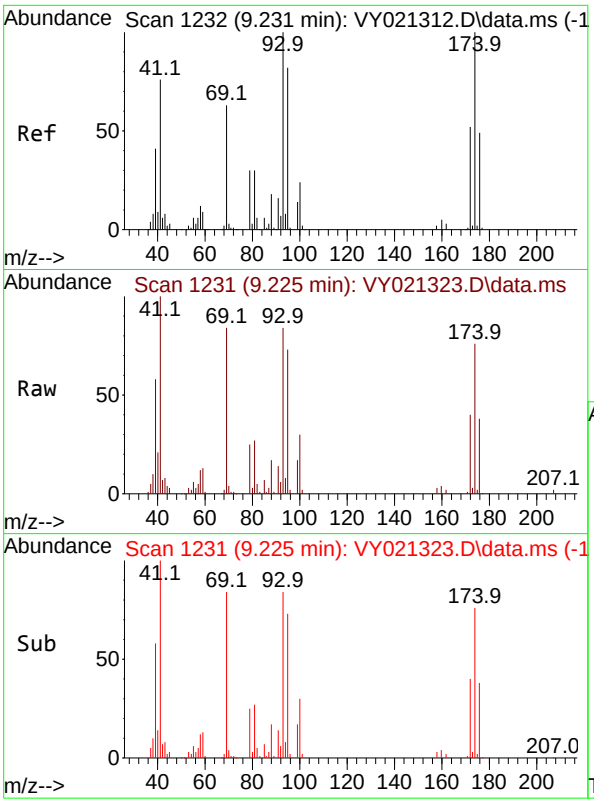


#48
Methyl methacrylate
Concen: 18.368 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 41 Resp: 23787

Ion	Ratio	Lower	Upper
41	100		
69	85.5	63.3	94.9
39	58.8	45.0	67.6

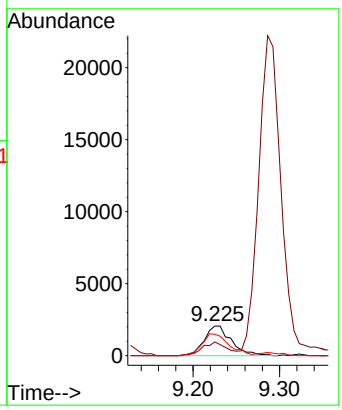




#49
1,4-Dioxane
Concen: 358.943 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 88 Resp: 446

Ion	Ratio	Lower	Upper
88	100		
43	41.5	34.8	52.2
58	74.4	59.8	89.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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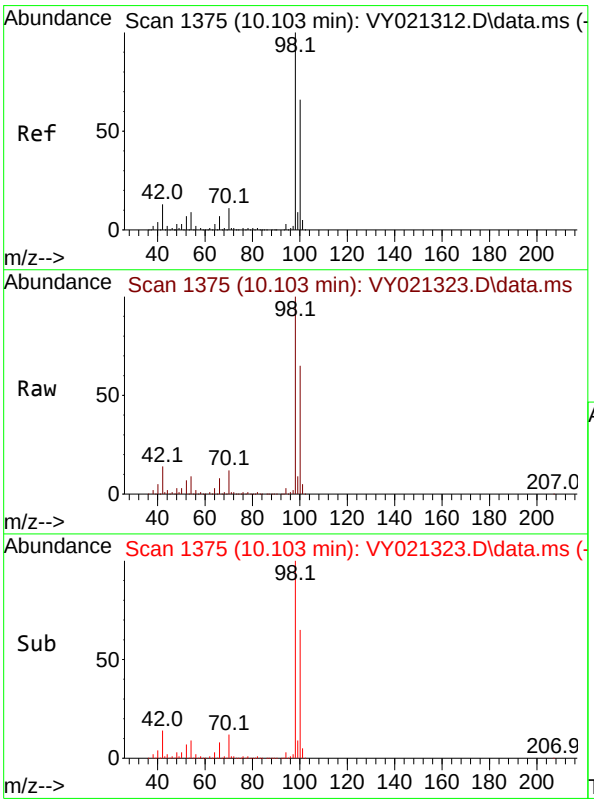
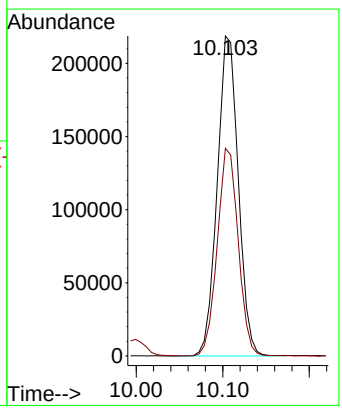
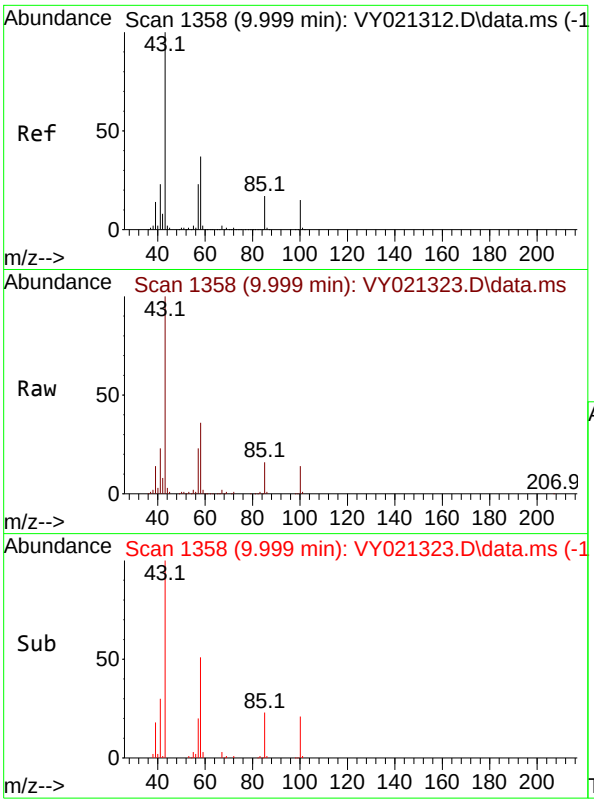


#50
Toluene-d8
Concen: 49.924 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 98 Resp: 369458

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.4	78.6

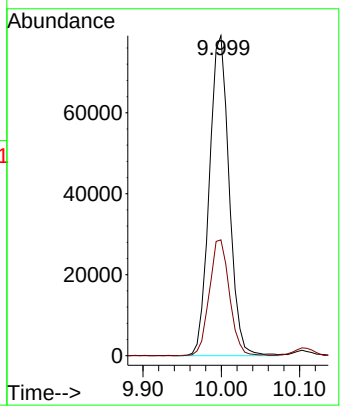




#51
4-Methyl-2-Pentanone
Concen: 97.751 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 13857

Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.1	45.1



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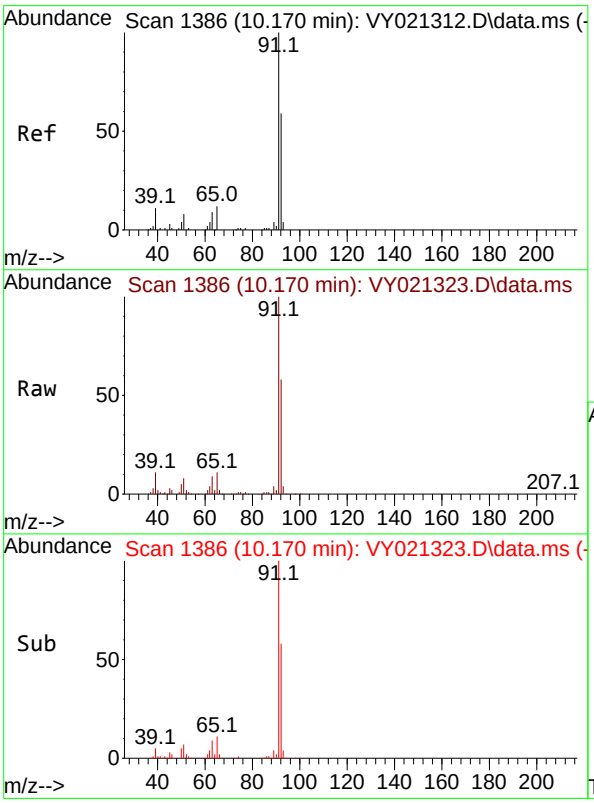
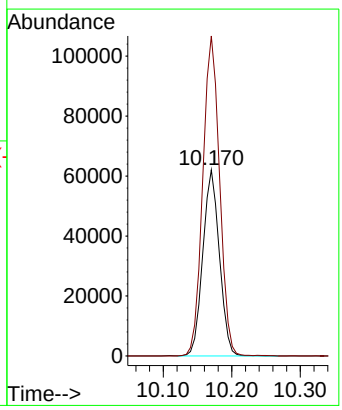
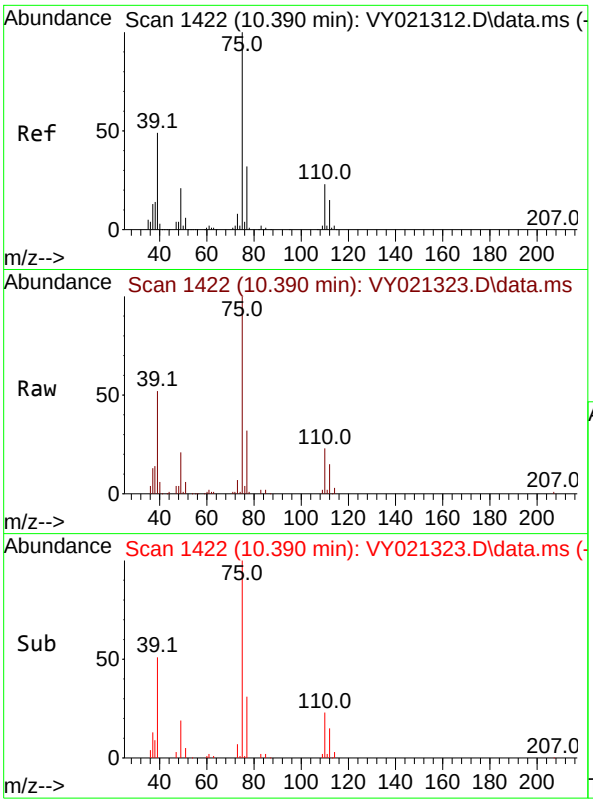


#52
Toluene
Concen: 19.738 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 92 Resp: 104255

Ion	Ratio	Lower	Upper
92	100		
91	174.9	137.8	206.8

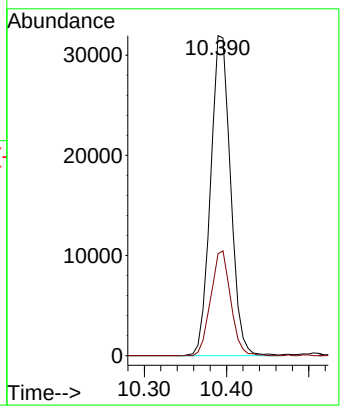




#53
t-1,3-Dichloropropene
Concen: 19.755 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 5397

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9



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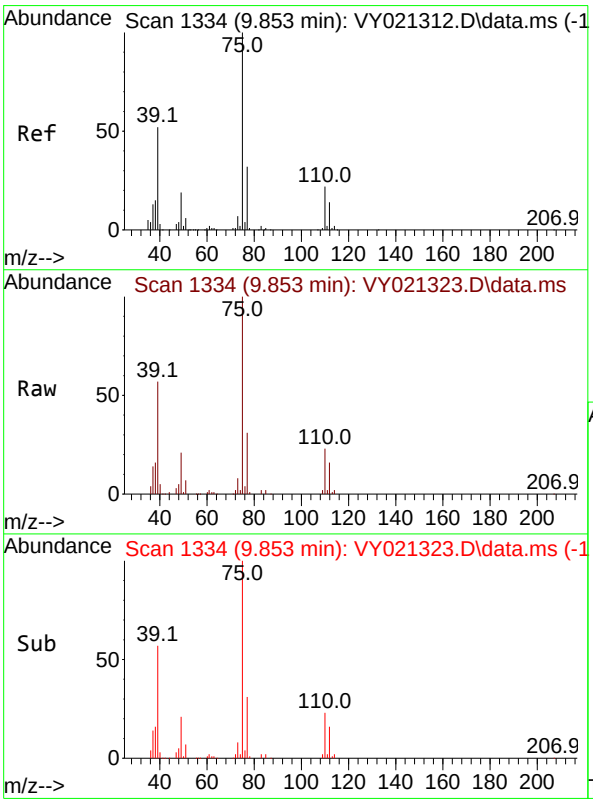
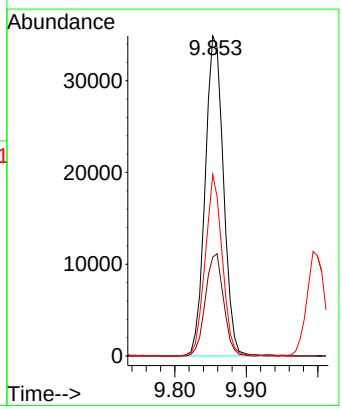
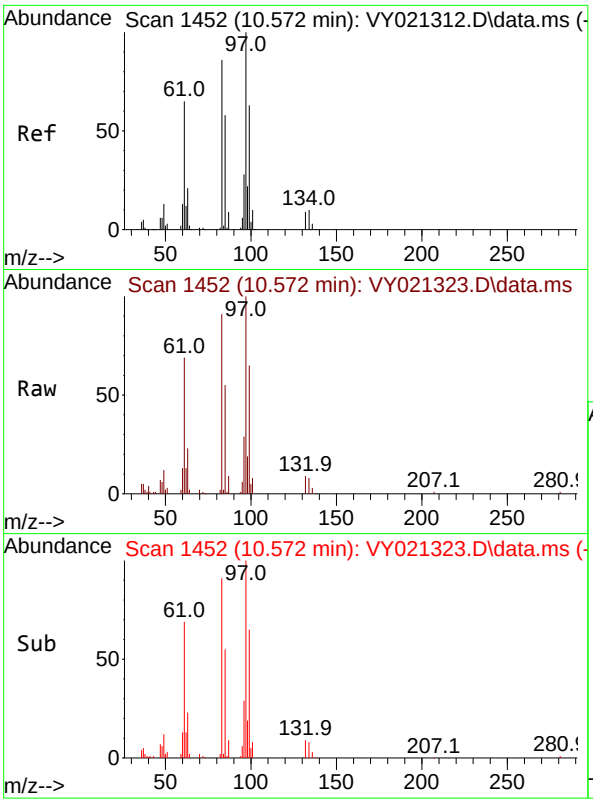


#54
cis-1,3-Dichloropropene
Concen: 19.260 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 62124

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.7	38.5
39	56.7	41.8	62.6

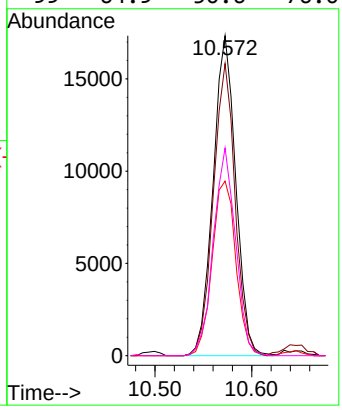




#55
1,1,2-Trichloroethane
Concen: 19.373 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 97 Resp: 2822

Ion	Ratio	Lower	Upper
97	100		
83	91.3	68.7	103.1
85	54.5	46.3	69.5
99	64.9	50.6	76.0



Instrument :
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ClientSampleId :
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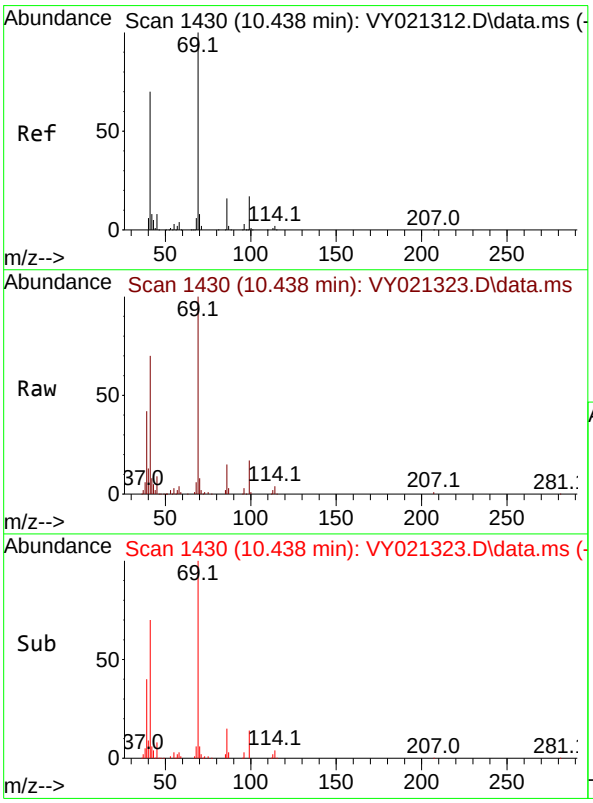
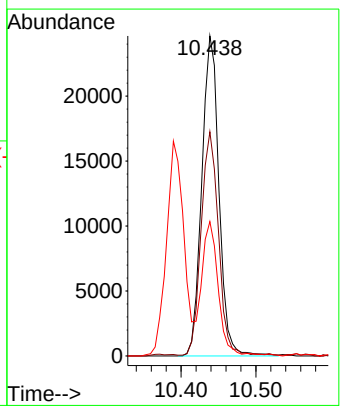
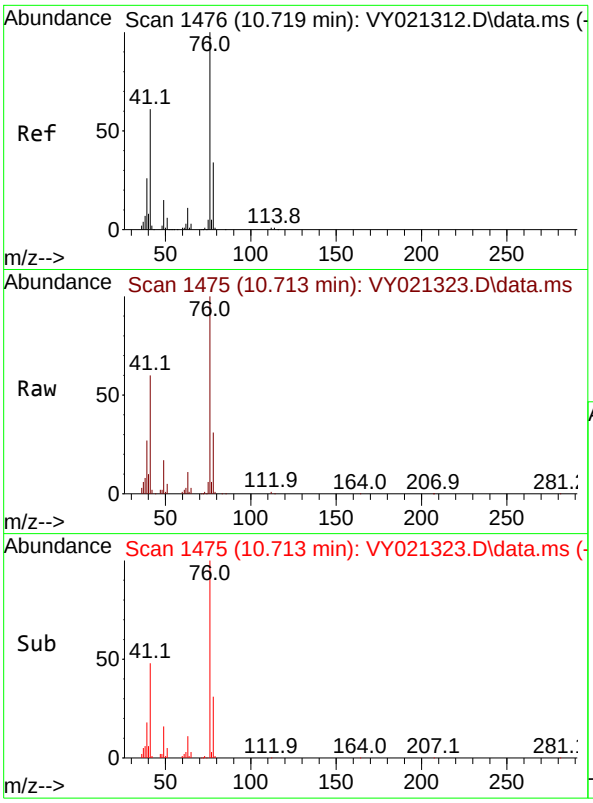


#56
Ethyl methacrylate
Concen: 19.530 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 69 Resp: 39319

Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.2	84.4
39	41.9	32.7	49.1

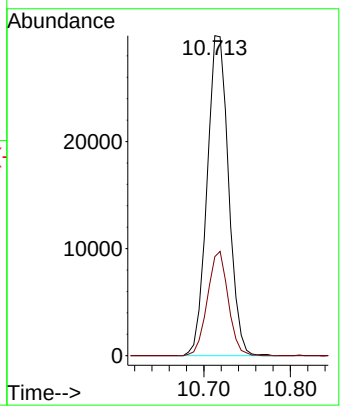




#57
1,3-Dichloropropane
Concen: 20.102 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 76 Resp: 5139

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
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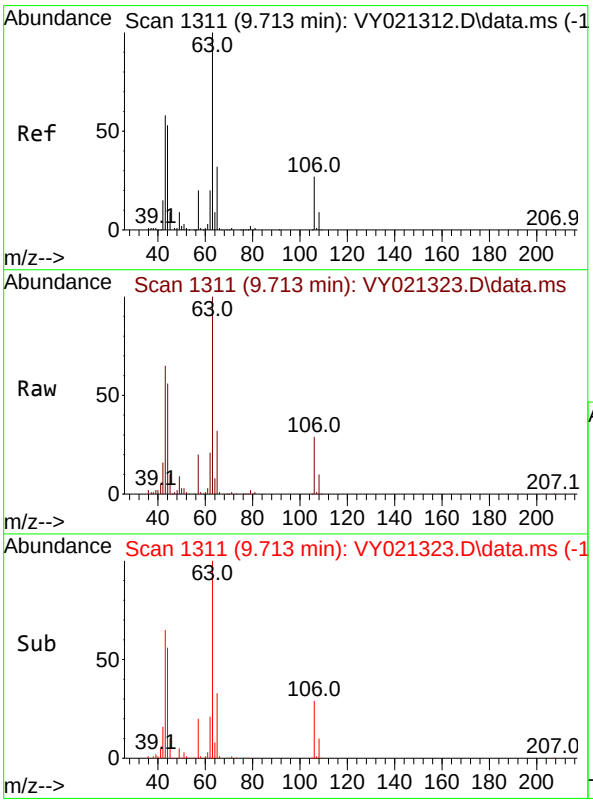
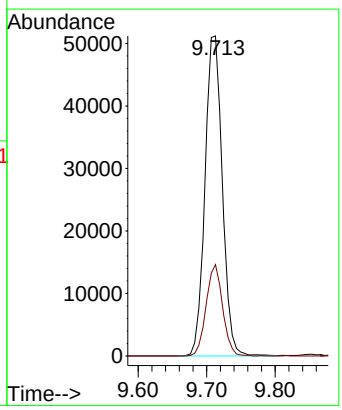
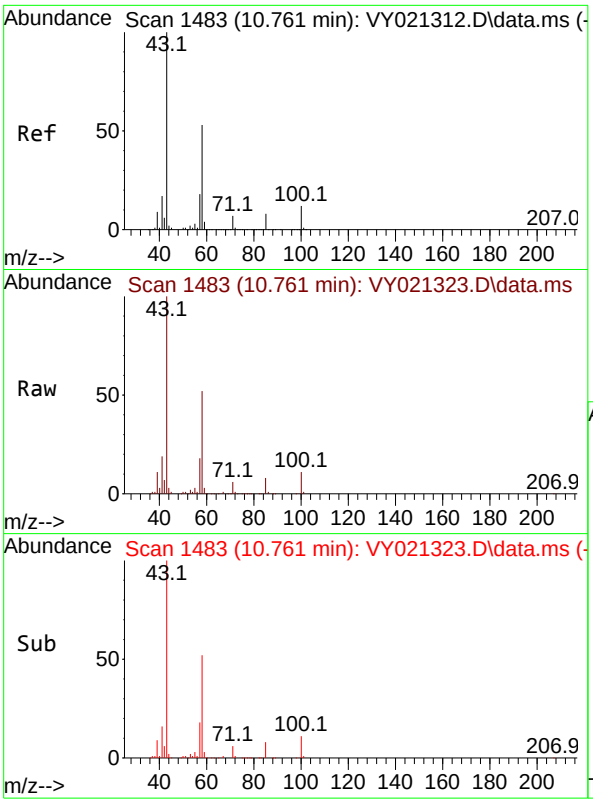


#58
2-Chloroethyl Vinyl ether
Concen: 93.158 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 63 Resp: 90024

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5

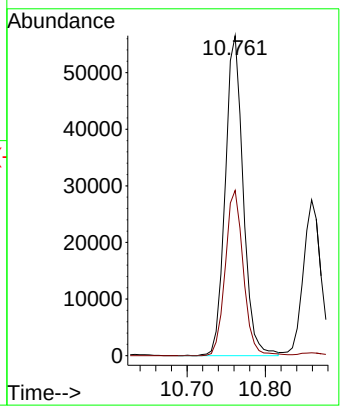




#59
2-Hexanone
Concen: 96.524 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 8986

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6



Instrument :
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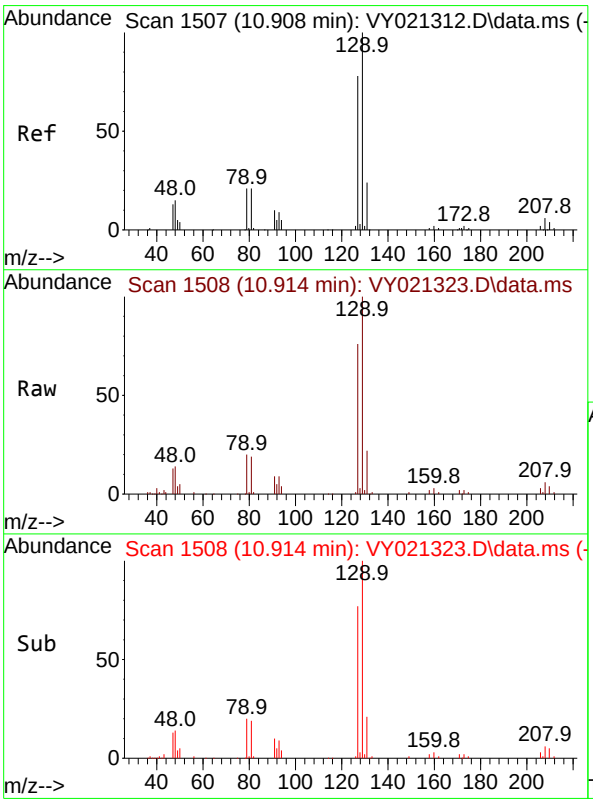
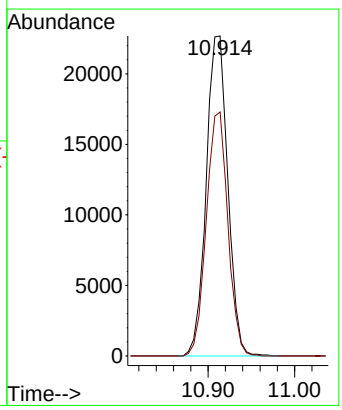
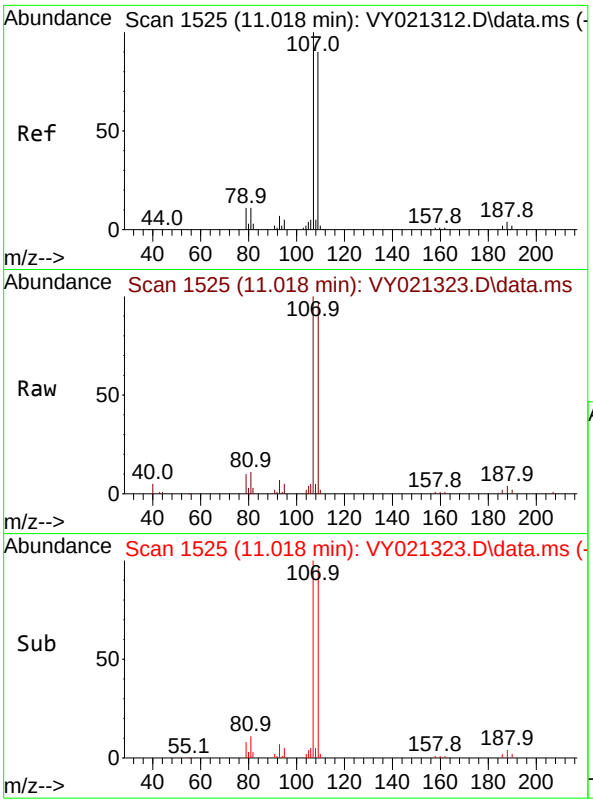


#60
Dibromochloromethane
Concen: 19.790 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:129 Resp: 39272

Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.8	116.4

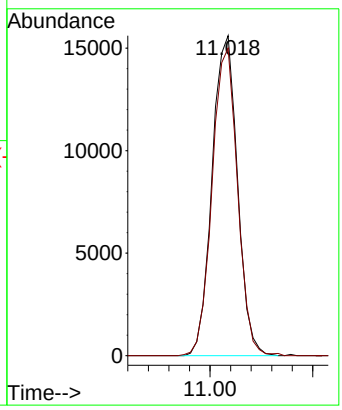




#61
1,2-Dibromoethane
Concen: 19.365 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:107 Resp: 2671

Ion	Ratio	Lower	Upper
107	100		
109	96.3	73.8	110.8



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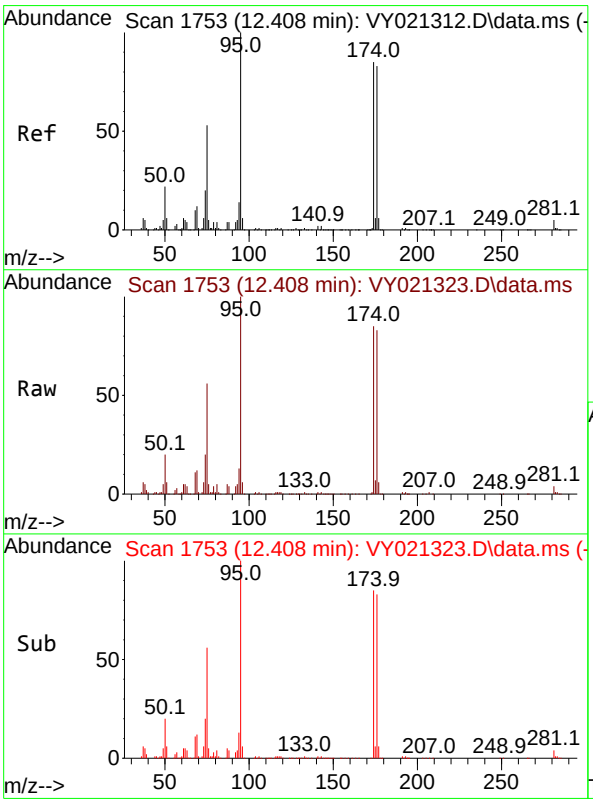
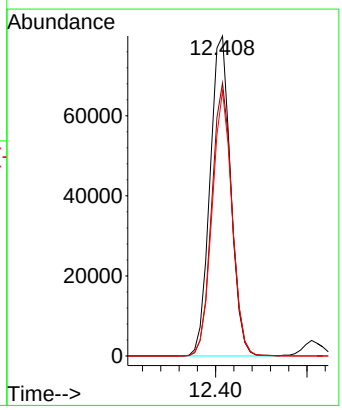
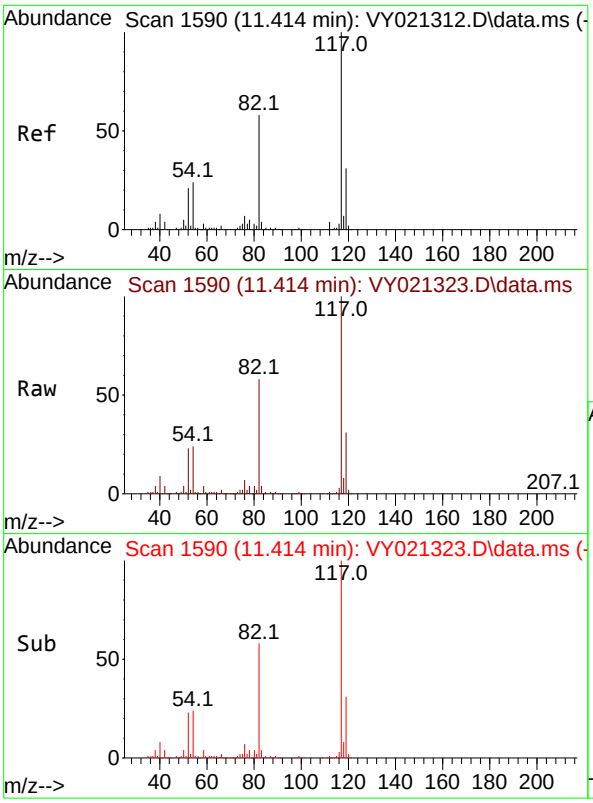


#62
4-Bromofluorobenzene
Concen: 50.271 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 95 Resp: 125203

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	168.0
176	79.9	0.0	162.6

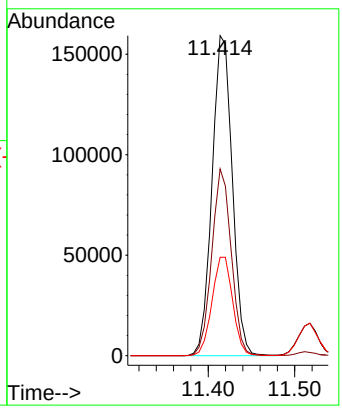




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:117 Resp: 25874

Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.2	69.4
119	30.8	24.9	37.3



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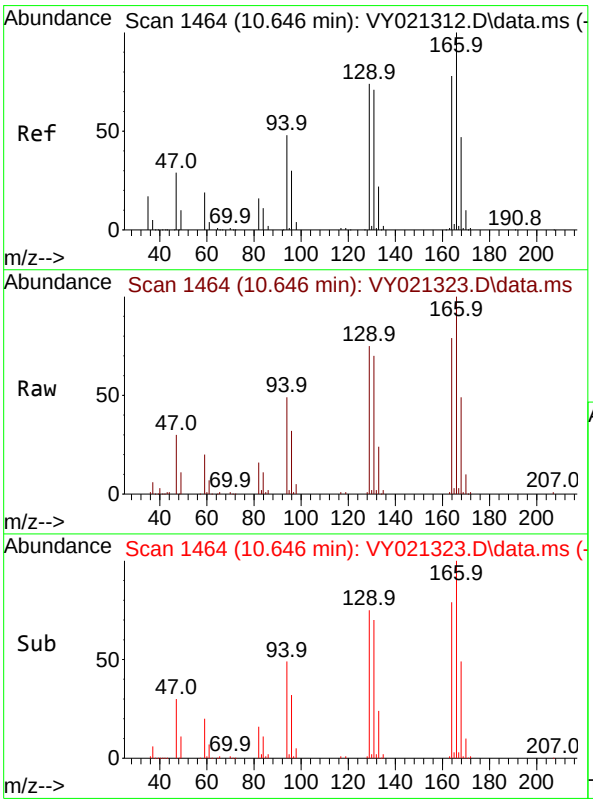
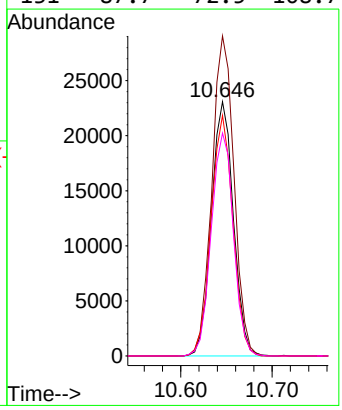
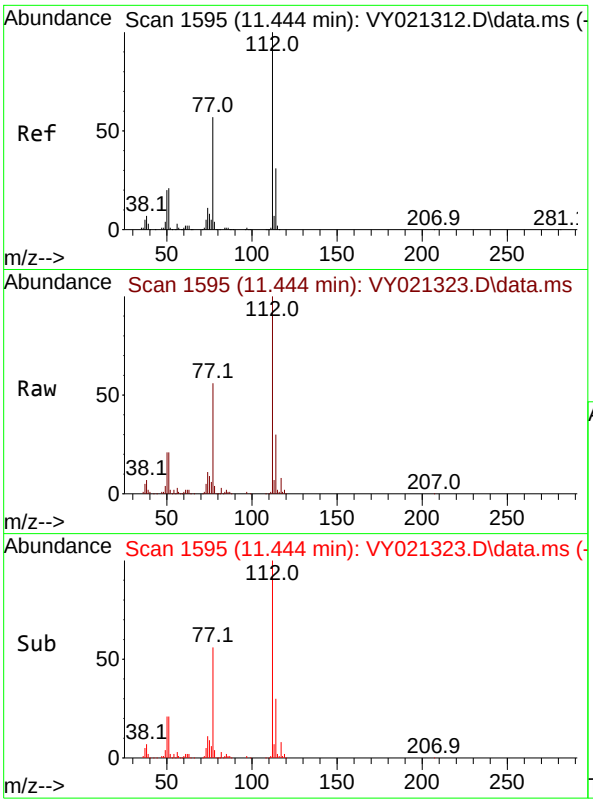


#64
Tetrachloroethene
Concen: 19.682 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:164 Resp: 38493

Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.9	152.9
129	94.6	75.5	113.3
131	87.7	72.5	108.7

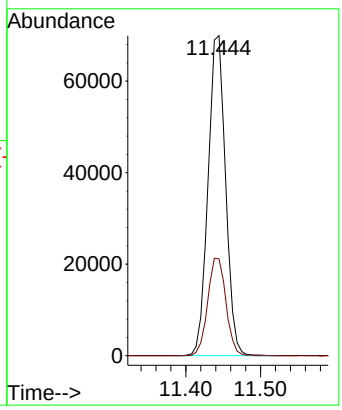




#65
Chlorobenzene
Concen: 19.597 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:112 Resp: 11382

Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
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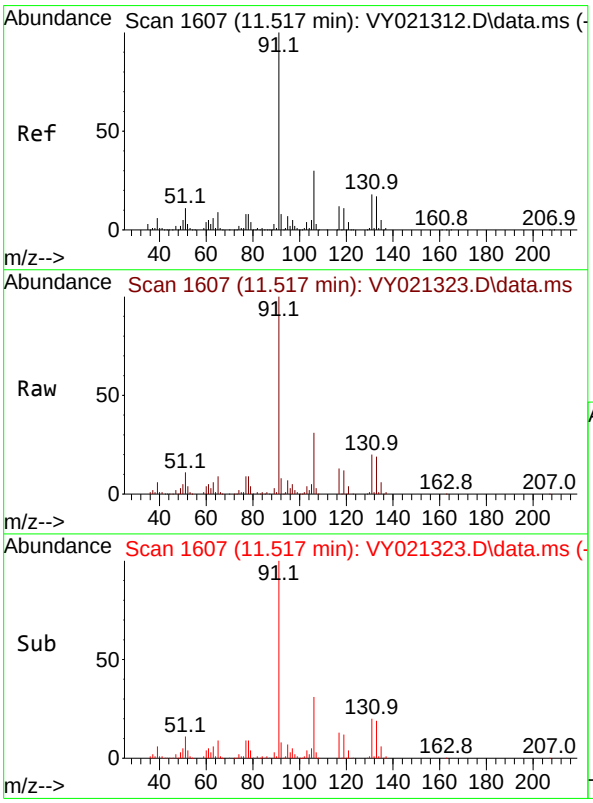
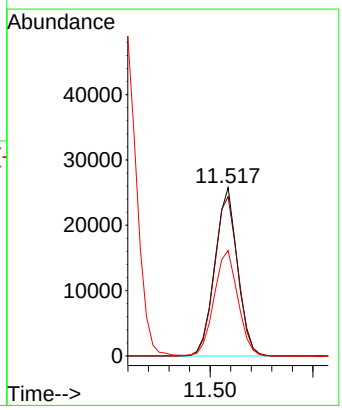
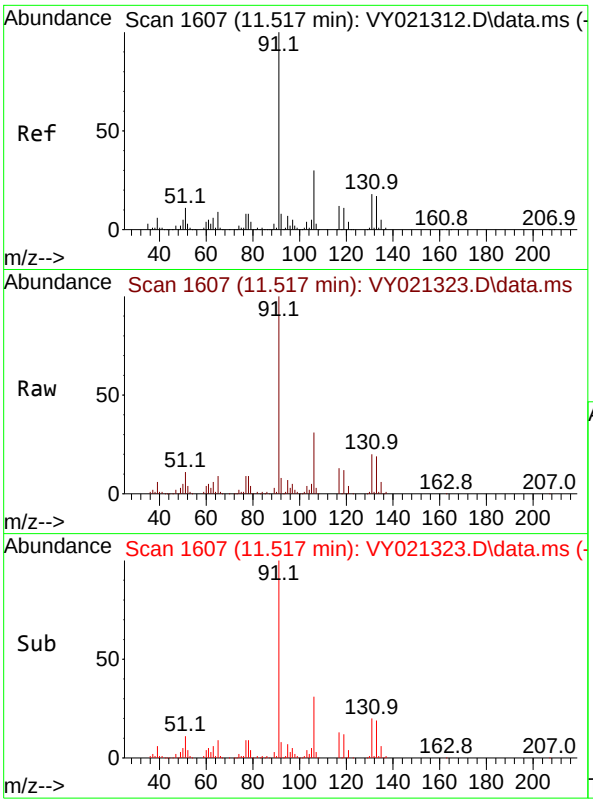


#66
1,1,1,2-Tetrachloroethane
Concen: 19.350 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:131 Resp: 39353

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.9	143.6
119	65.6	31.7	95.1

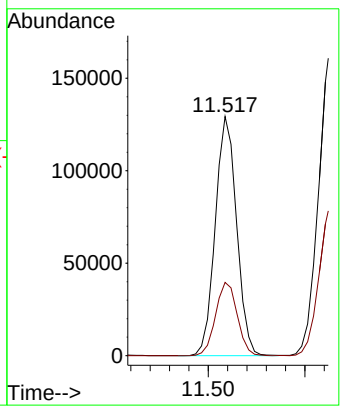




#67
Ethyl Benzene
Concen: 19.225 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 19778

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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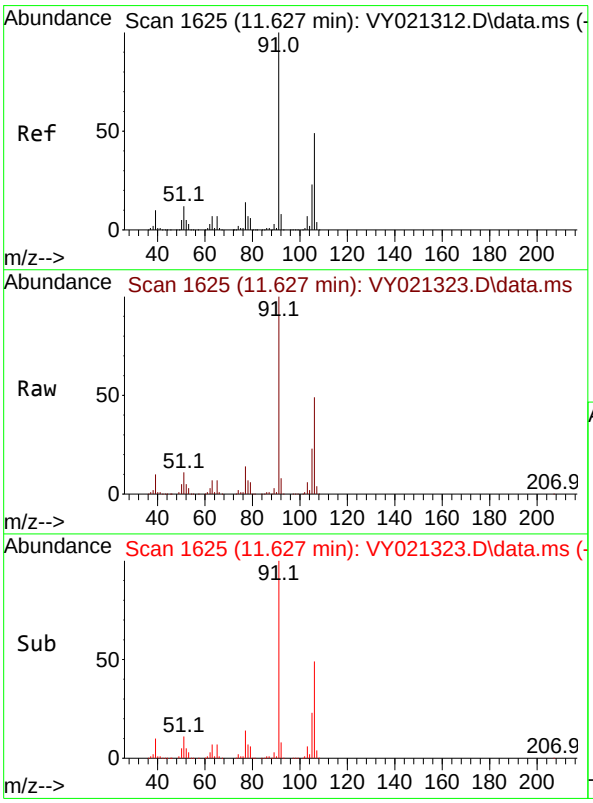
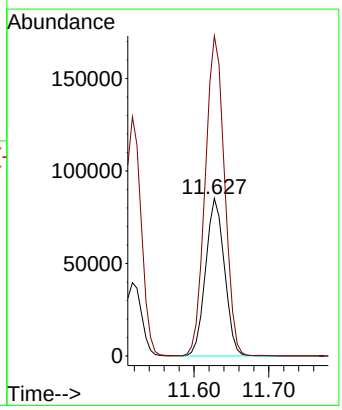
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

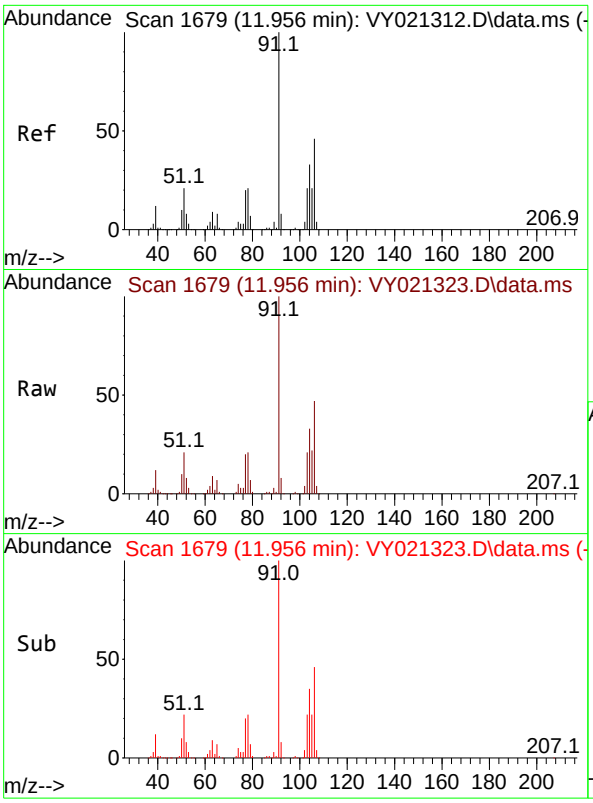


#68
m/p-Xylenes
Concen: 38.593 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:106 Resp: 149341

Ion	Ratio	Lower	Upper
106	100		
91	207.6	163.9	245.9

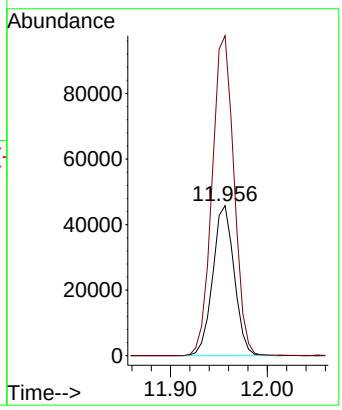




#69
o-Xylene
Concen: 19.444 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:106 Resp: 7048

Ion	Ratio	Lower	Upper
106	100		
91	217.8	108.1	324.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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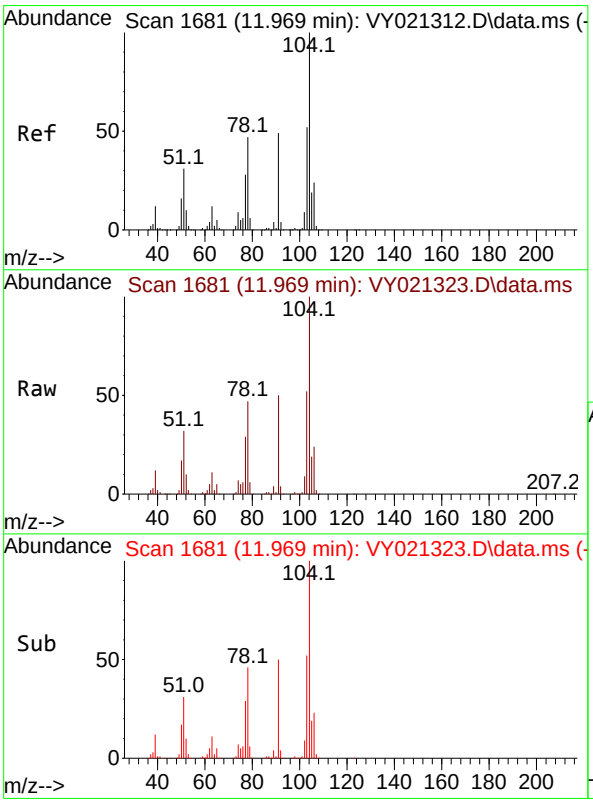
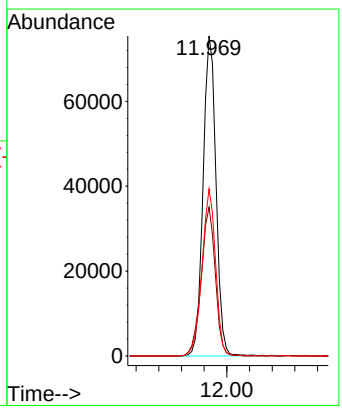
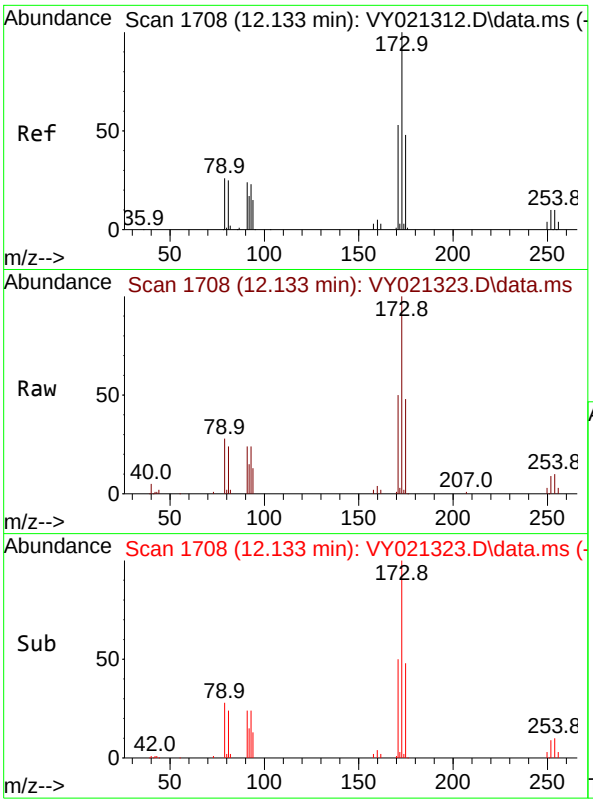


#70
Styrene
Concen: 19.791 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:104 Resp: 119367

Ion	Ratio	Lower	Upper
104	100		
78	50.6	41.3	61.9
103	54.9	43.9	65.9

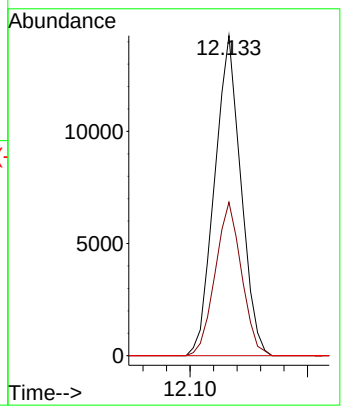




#71
Bromoform
Concen: 19.055 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:173 Resp: 2217

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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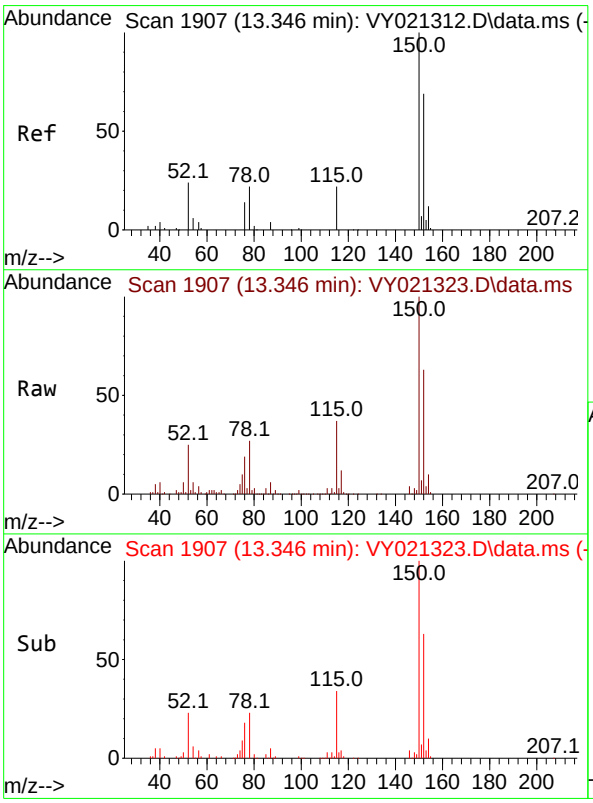
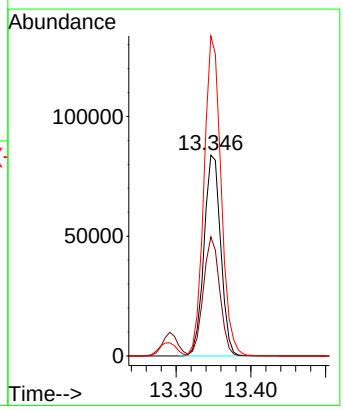
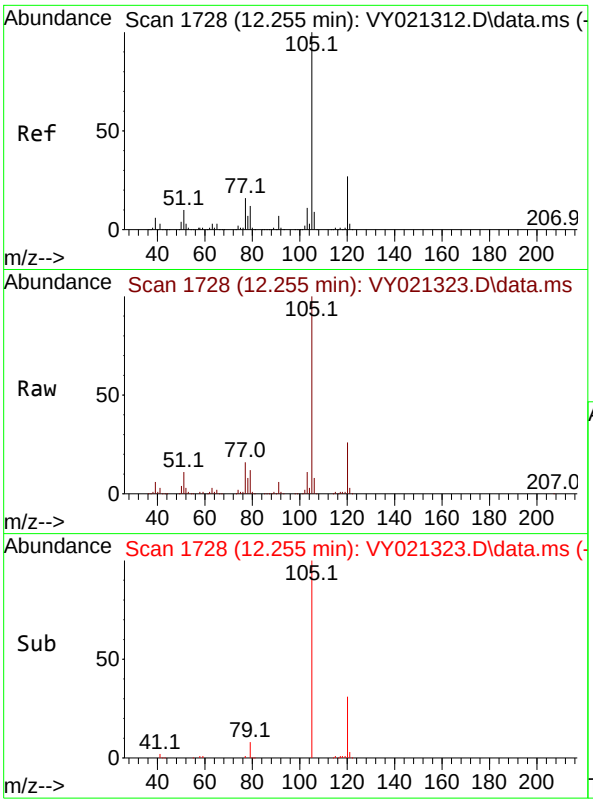


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:152 Resp: 129829

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.3	88.0
150	162.9	0.0	347.4

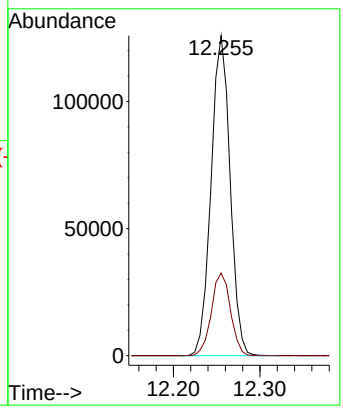




#73
Isopropylbenzene
Concen: 19.688 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:105 Resp: 19216

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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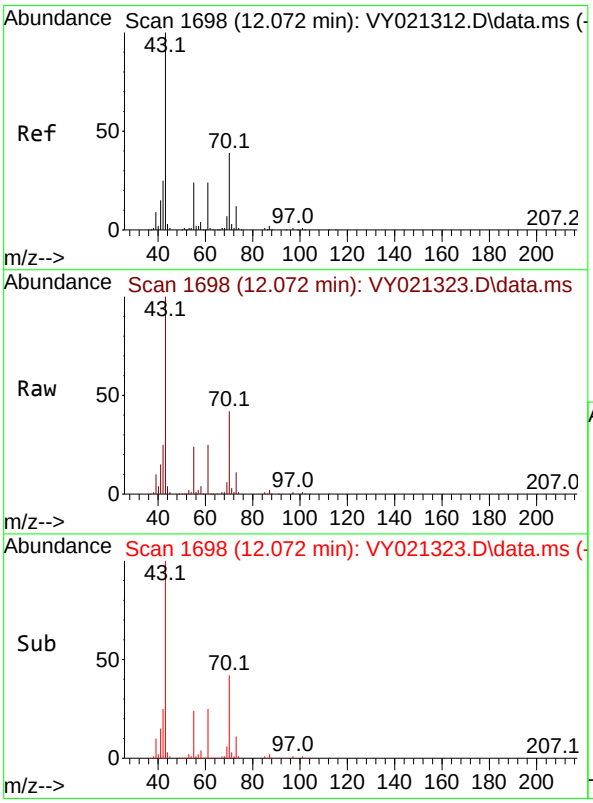
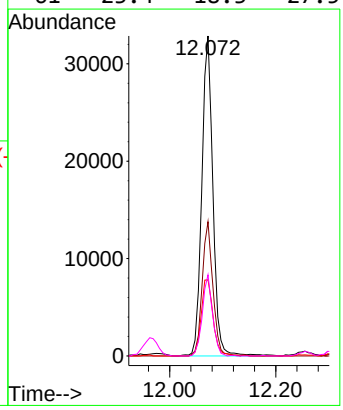
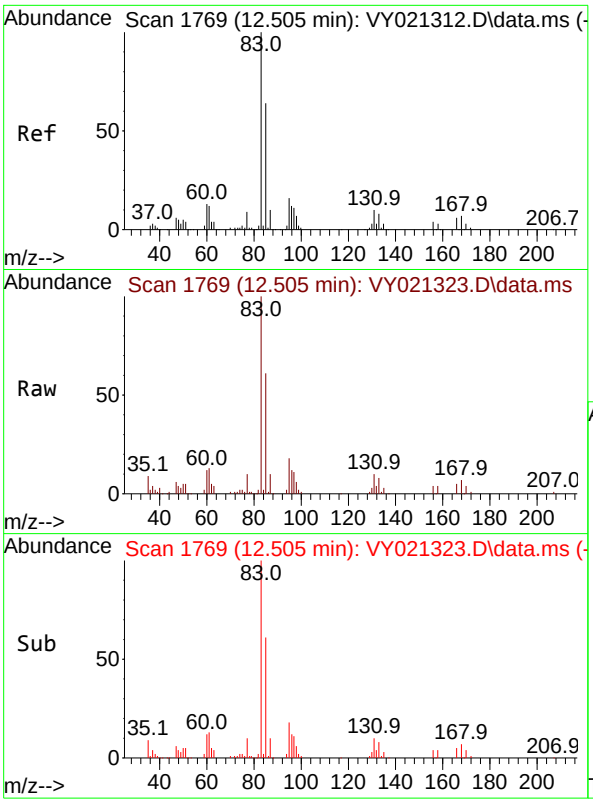


#74
N-amyl acetate
Concen: 19.319 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 47929

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	25.5	19.6	29.4
61	23.4	18.3	27.5

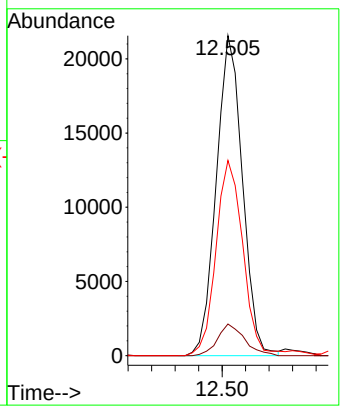




#75
1,1,2,2-Tetrachloroethane
Concen: 19.410 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 83 Resp: 3343

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	63.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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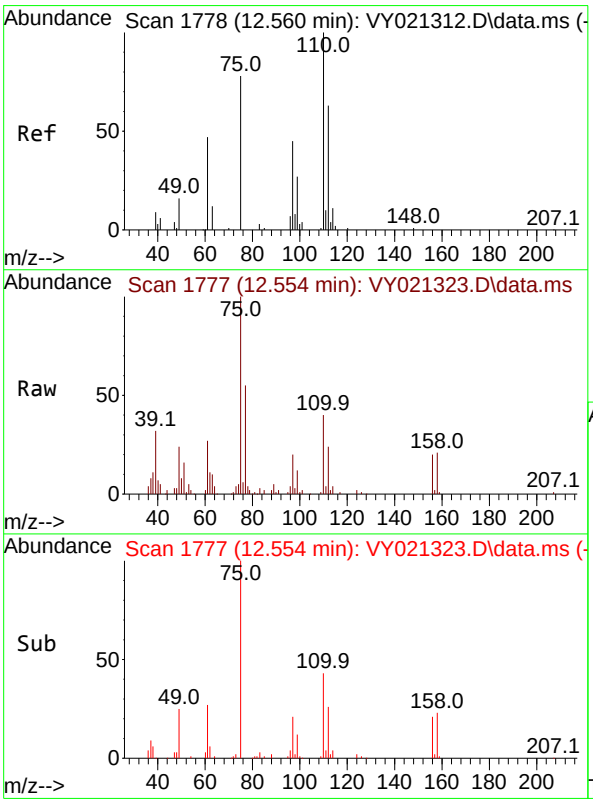
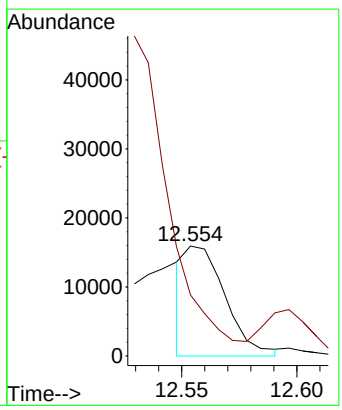
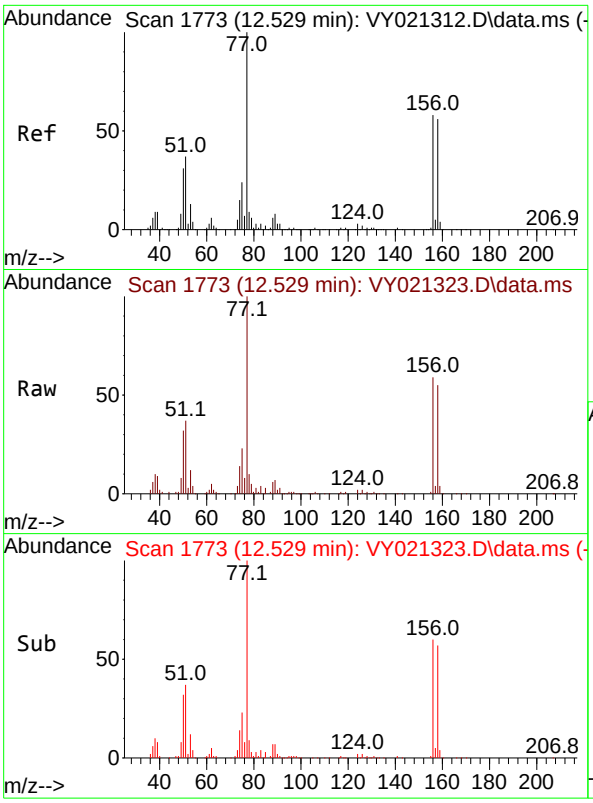


#76
1,2,3-Trichloropropane
Concen: 14.886 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 19345

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

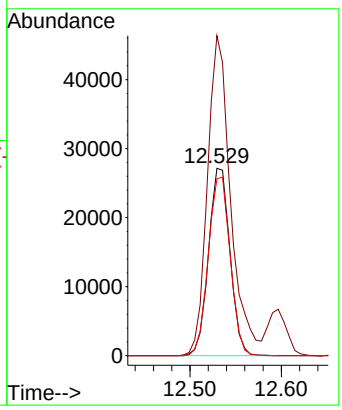




#77
Bromobenzene
Concen: 19.442 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:156 Resp: 4413

Ion	Ratio	Lower	Upper
156	100		
77	185.1	94.0	282.1
158	97.5	48.7	146.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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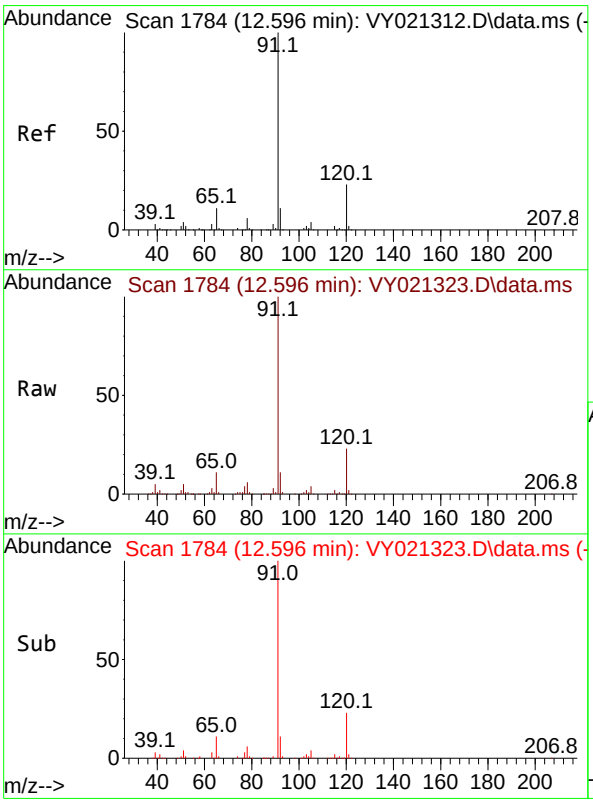
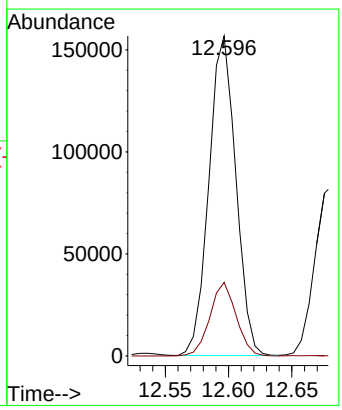
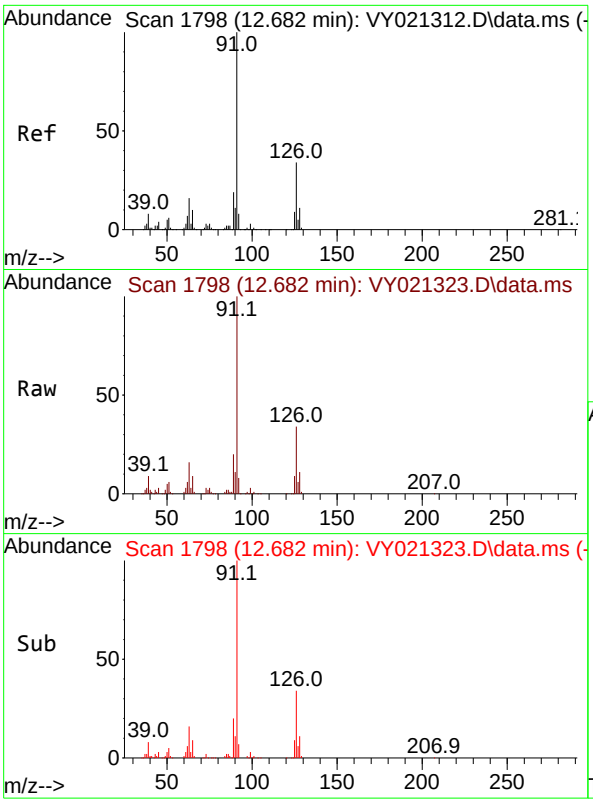


#78
n-propylbenzene
Concen: 19.547 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 231519

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5

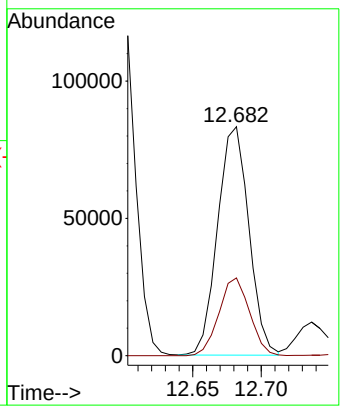




#79
2-Chlorotoluene
Concen: 19.457 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 13225

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.9	50.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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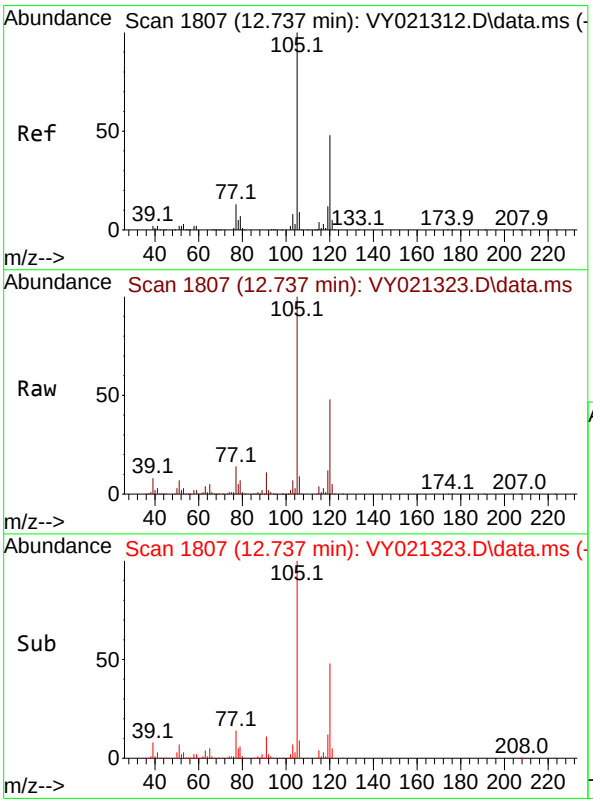
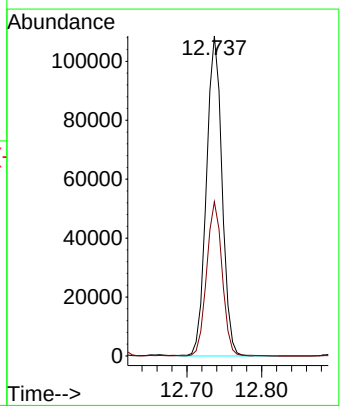
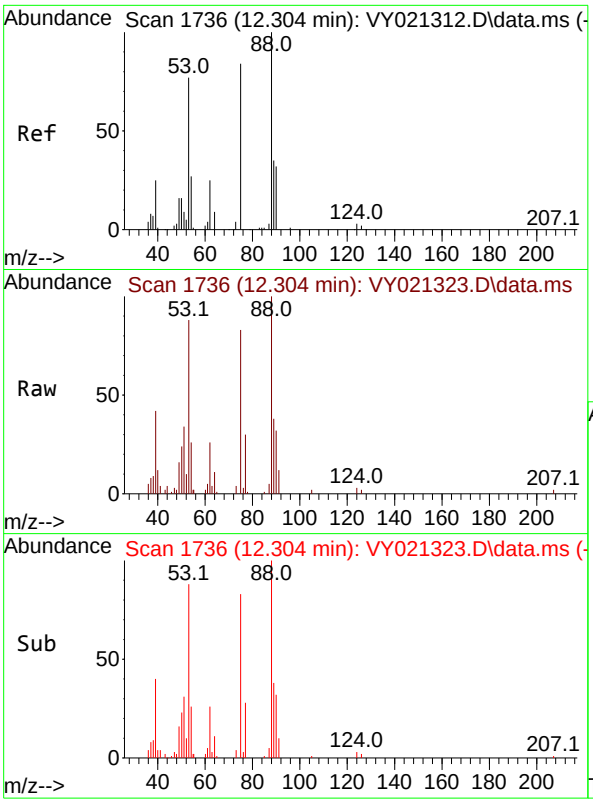


#80
1,3,5-Trimethylbenzene
Concen: 19.706 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:105 Resp: 157749

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 18.445 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 1078

Ion	Ratio	Lower	Upper
75	100		
53	105.0	79.1	118.7
89	45.4	35.6	53.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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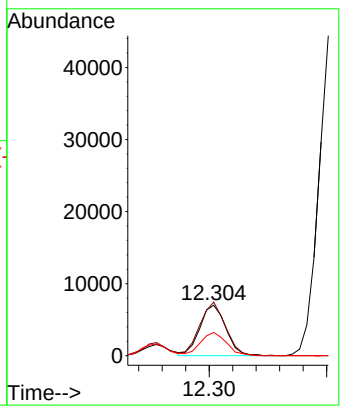
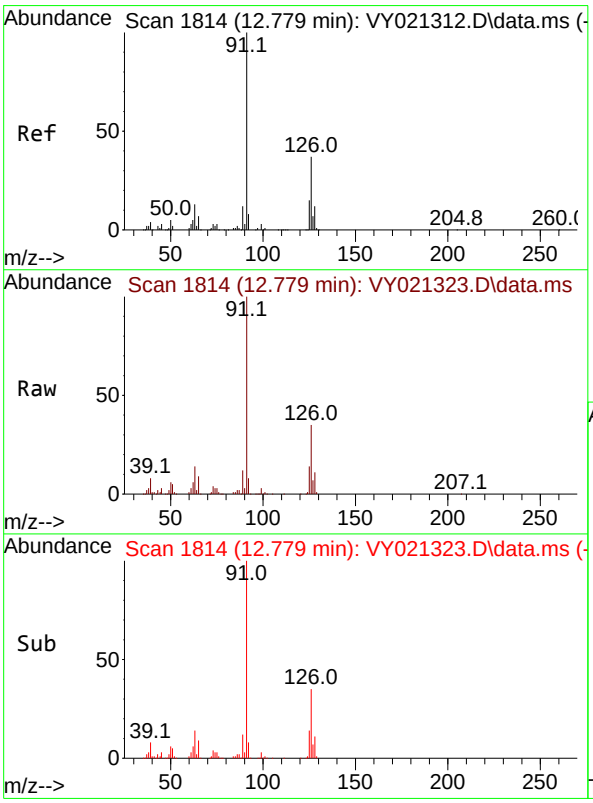
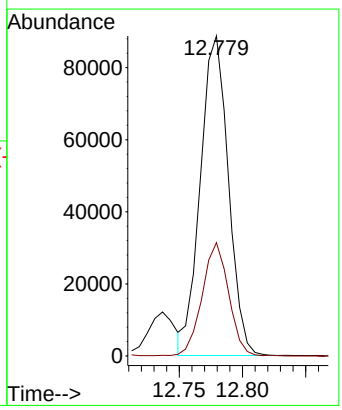


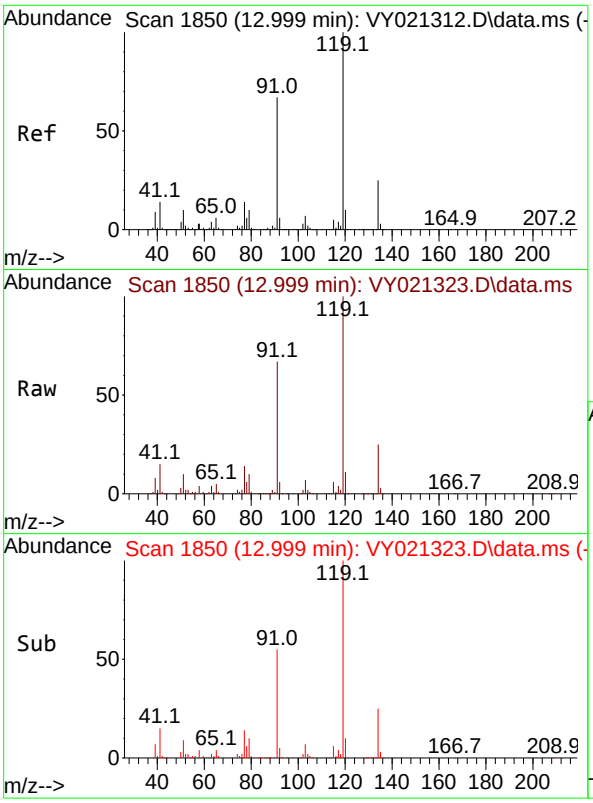


#82
4-Chlorotoluene
Concen: 19.394 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 136654

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

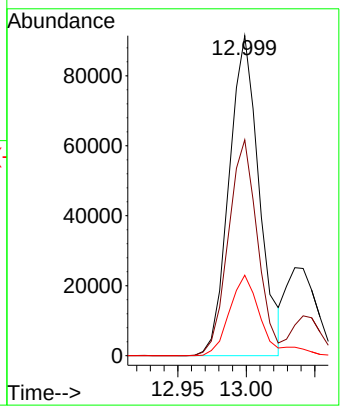




#83
tert-Butylbenzene
Concen: 19.288 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:119 Resp: 13947

Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.7	98.1
134	26.7	13.3	39.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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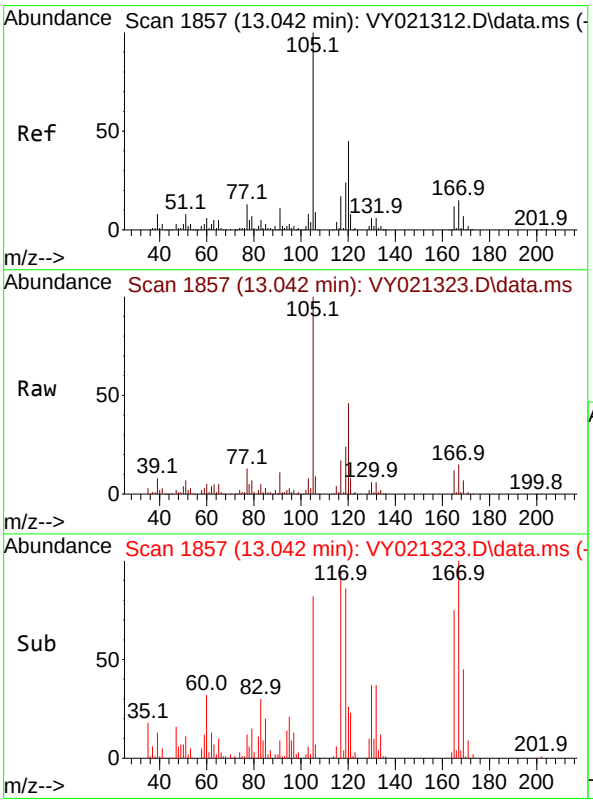
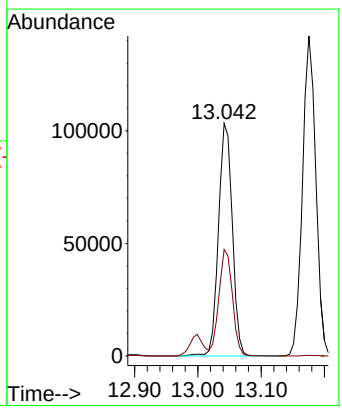
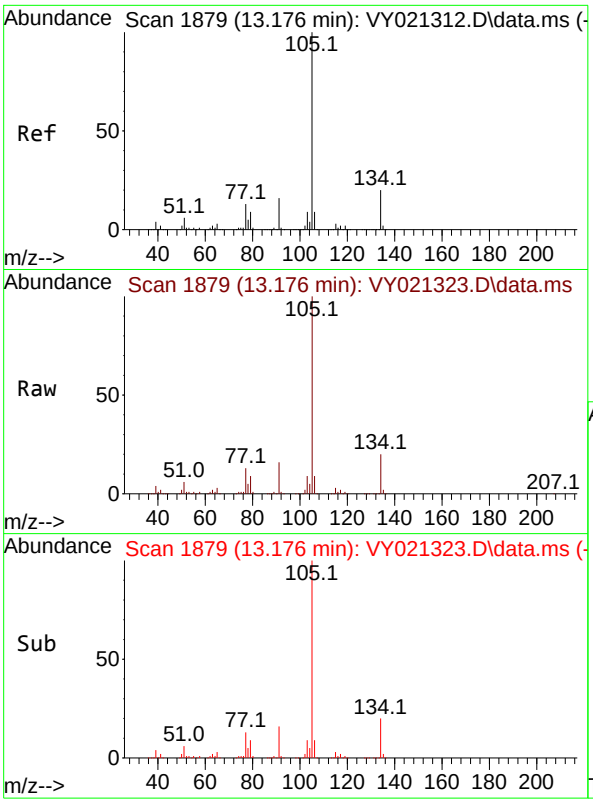


#84
1,2,4-Trimethylbenzene
Concen: 19.655 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:105 Resp: 156482

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.3

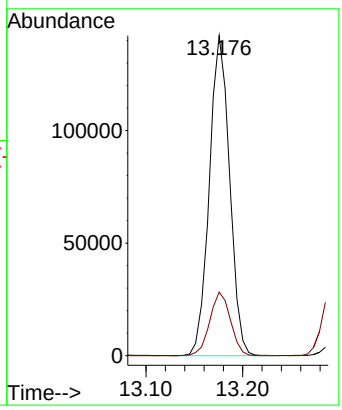




#85
sec-Butylbenzene
Concen: 19.613 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:105 Resp: 20716

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
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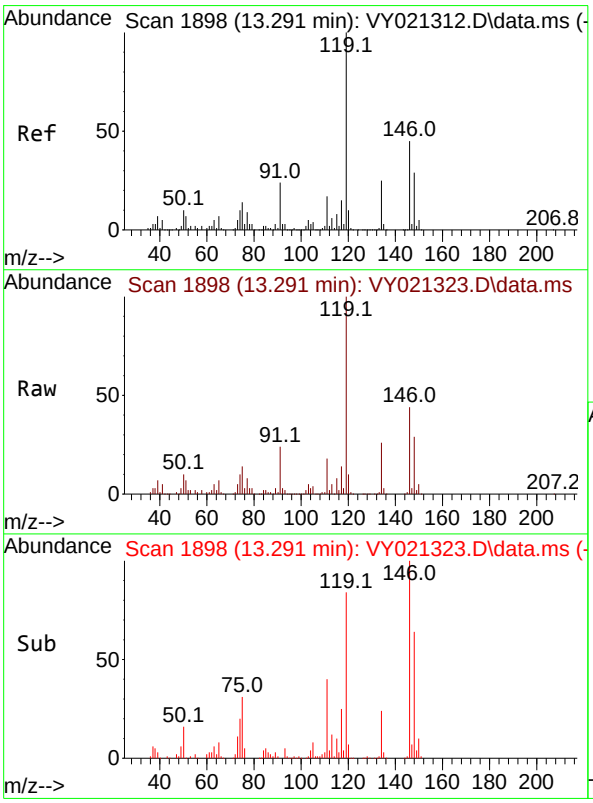
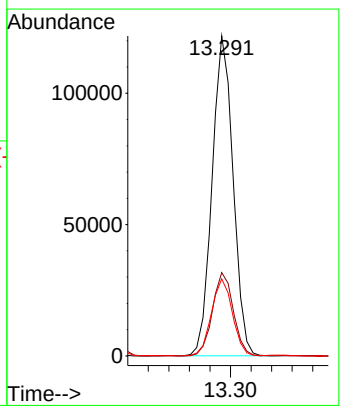
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

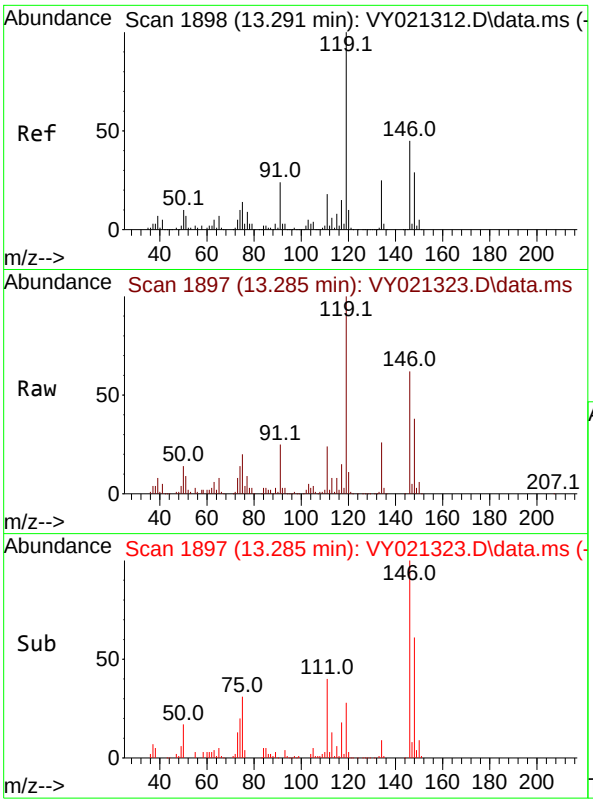


#86
p-Isopropyltoluene
Concen: 19.534 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:119 Resp: 172280

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.2	12.0	36.1

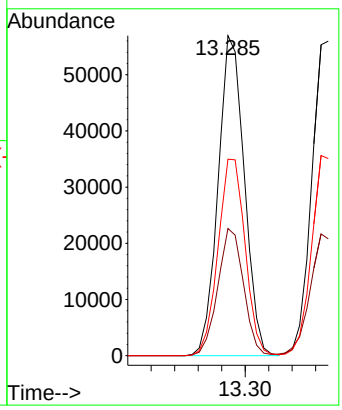




#87
1,3-Dichlorobenzene
Concen: 19.668 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:146 Resp: 8832

Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	59.9
148	63.4	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
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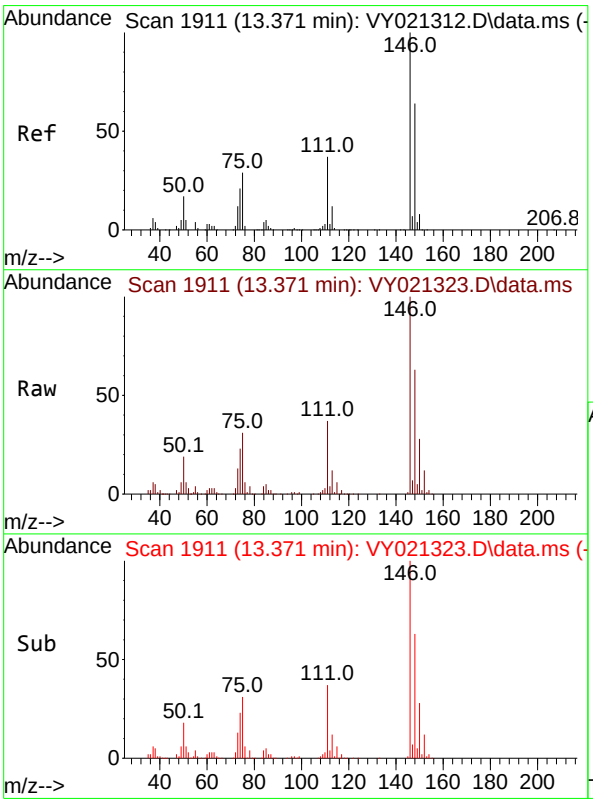
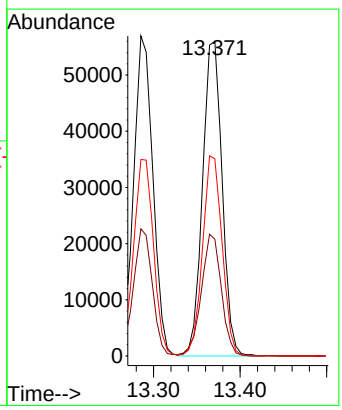
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

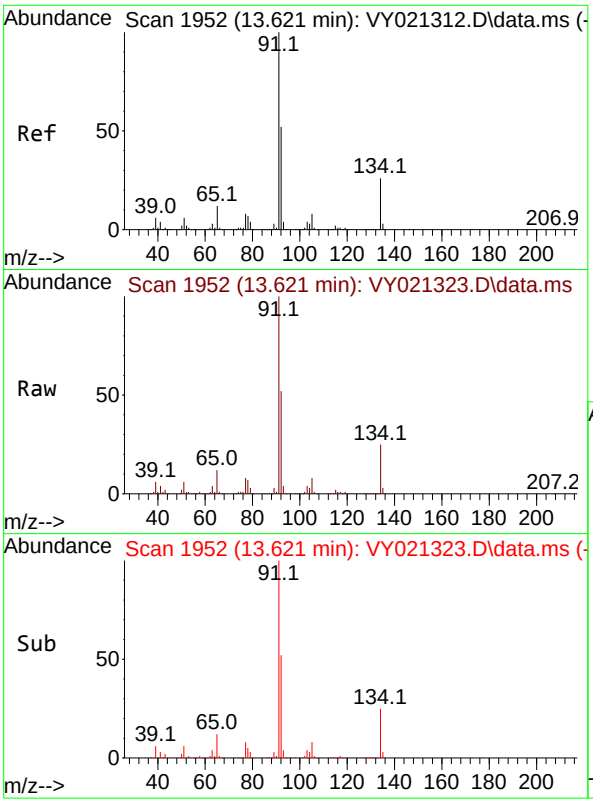


#88
1,4-Dichlorobenzene
Concen: 19.784 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:146 Resp: 87772

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	63.7	32.0	96.2

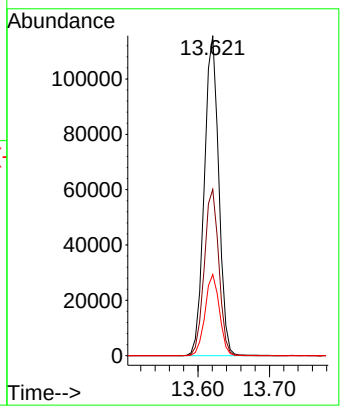




#89
n-Butylbenzene
Concen: 19.527 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 16207

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.2
134	25.3	12.7	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
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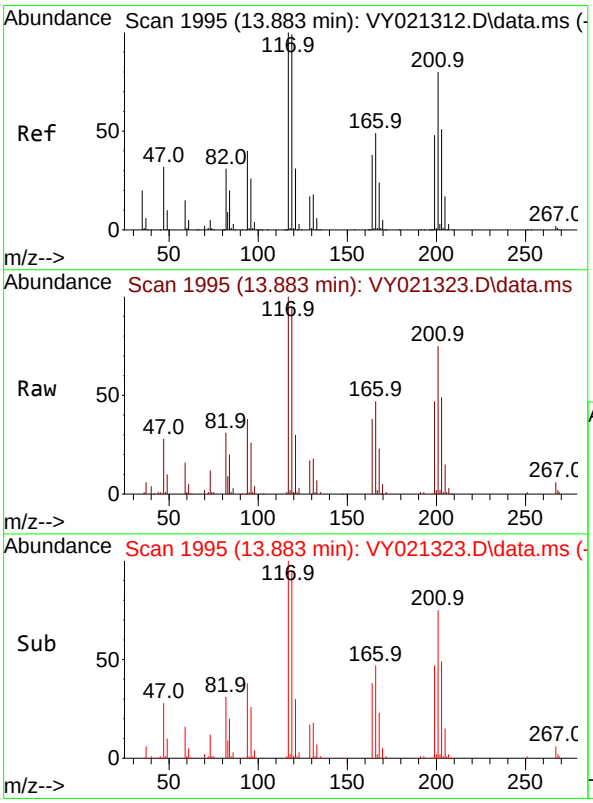
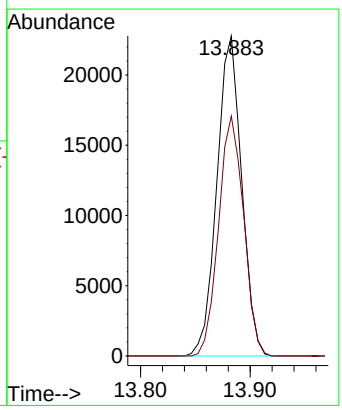
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

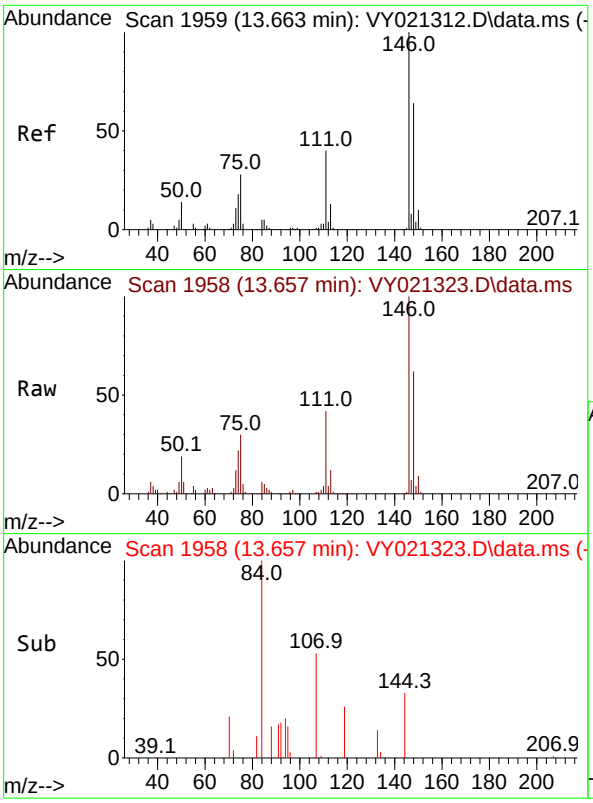


#90
Hexachloroethane
Concen: 19.411 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:117 Resp: 35761

Ion	Ratio	Lower	Upper
117	100		
201	75.8	38.4	115.2

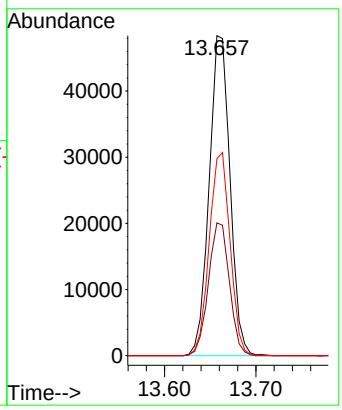




#91
1,2-Dichlorobenzene
Concen: 19.457 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:146 Resp: 7655

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.7	62.1
148	63.5	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
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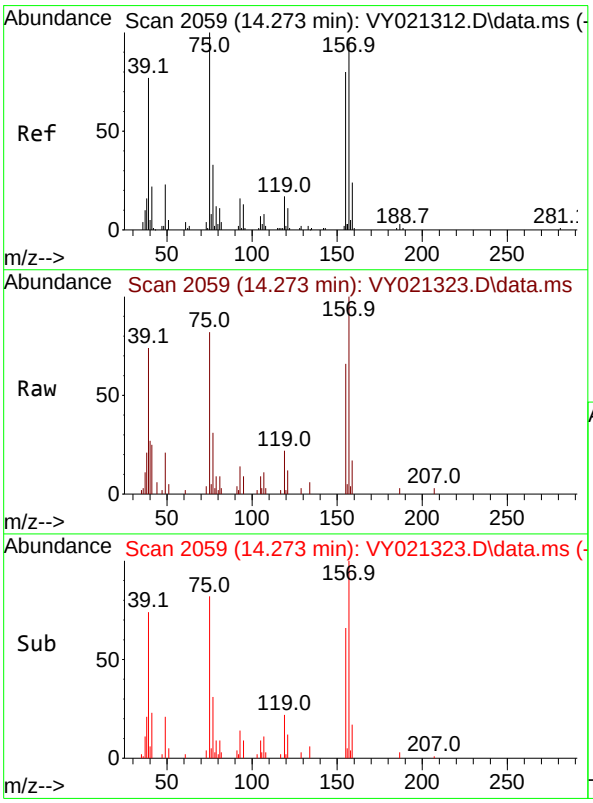
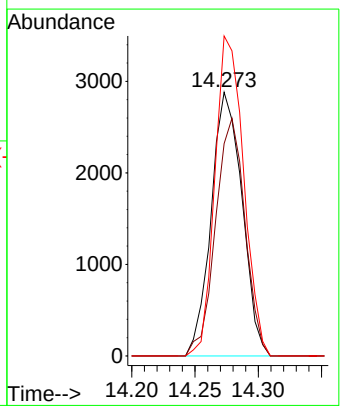
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

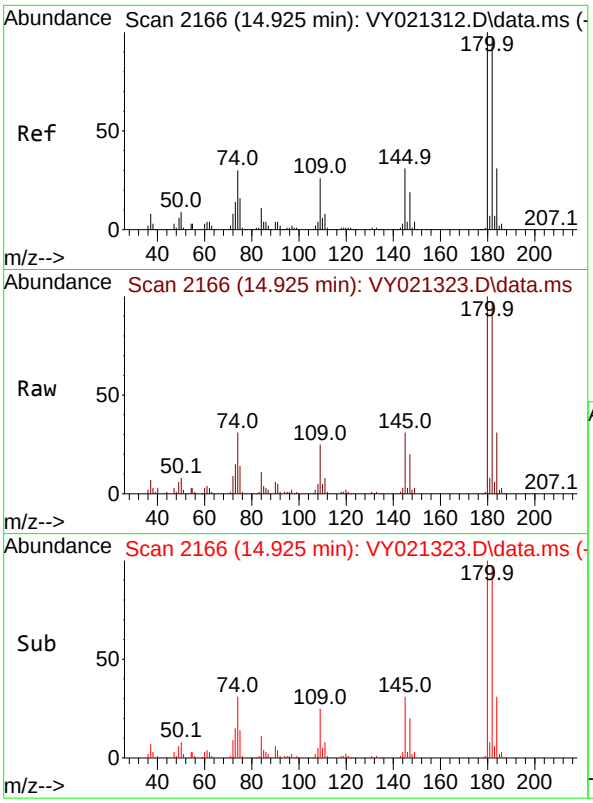


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.963 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 4895

Ion	Ratio	Lower	Upper
75	100		
155	85.7	41.9	125.6
157	112.6	52.5	157.6

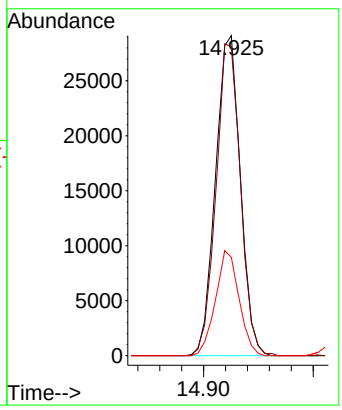




#93
1,2,4-Trichlorobenzene
Concen: 19.047 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:180 Resp: 4574

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	31.2	15.6	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

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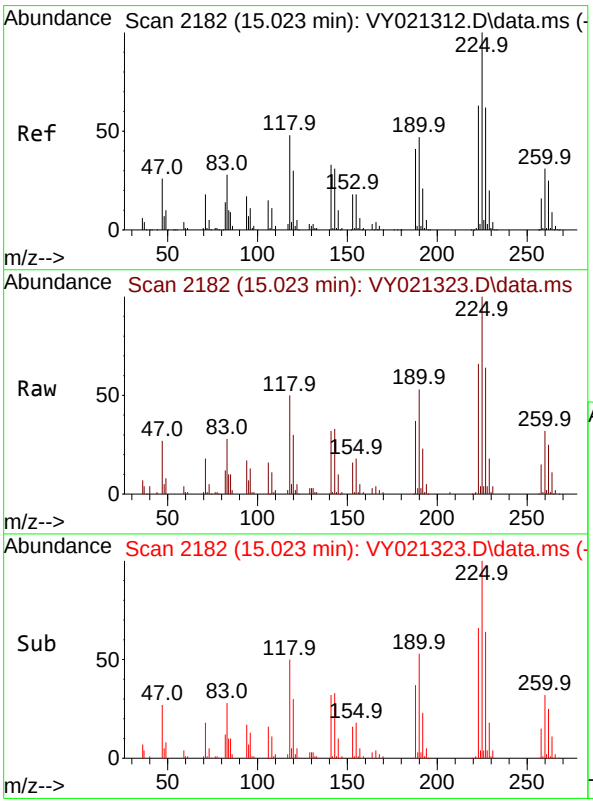
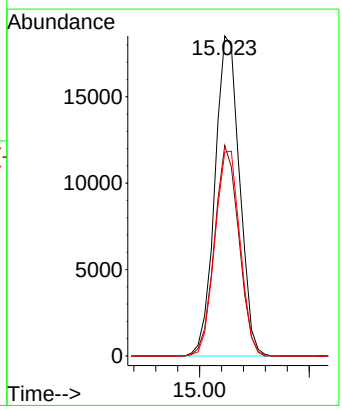
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025

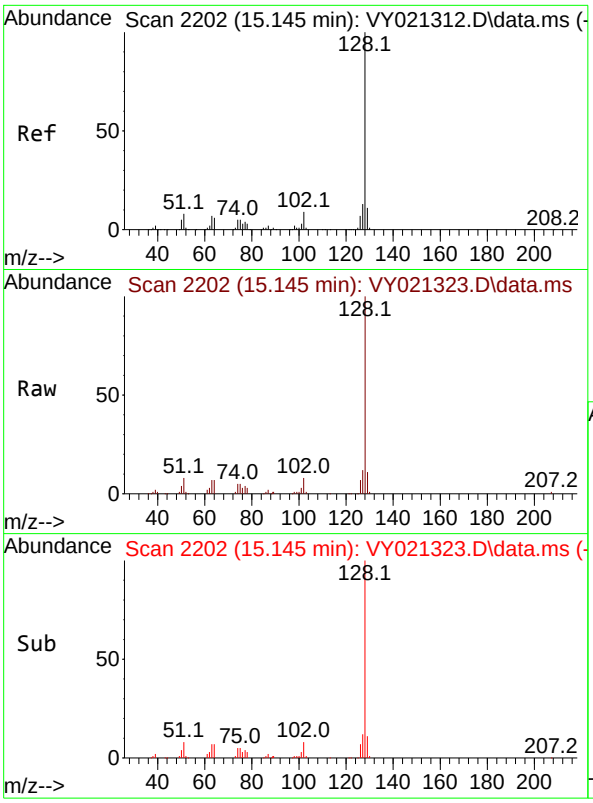


#94
Hexachlorobutadiene
Concen: 19.115 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:225 Resp: 28899

Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.8	95.4
227	65.4	31.9	95.7

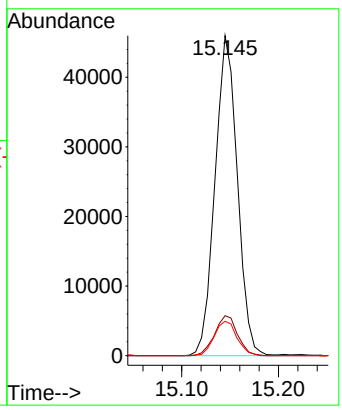




#95
Naphthalene
Concen: 18.532 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:128 Resp: 7371

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	11.0	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Manual Integrations
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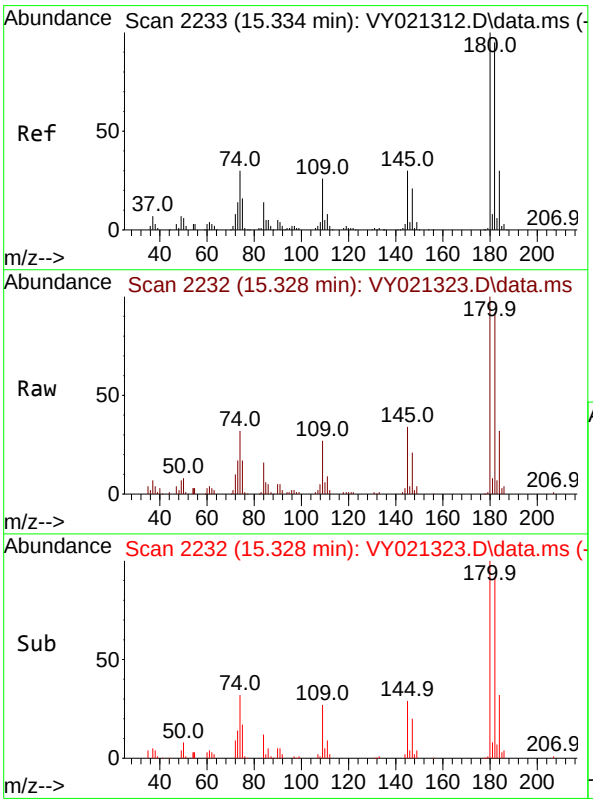
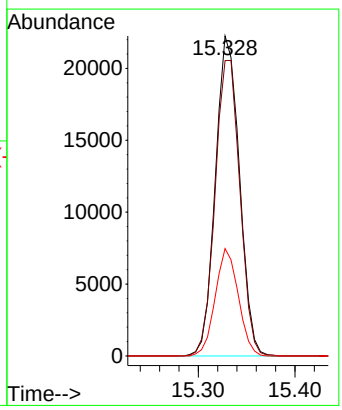
Reviewed By :Romaben Patel 02/27/2025
Supervised By :Mahesh Dadoda 02/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.936 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:180 Resp: 38421

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.9
145	32.2	16.1	48.3



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Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX044868.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	1,4-Dichlorobenzene	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Dichlorodifluoromethane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Ethyl Acetate	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Methacrylonitrile	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC005	VX044869.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC005	VX044869.D	Chloroethane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC020	VX044870.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:03 AM	MMDadoda	2/11/2025 10:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX044871.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:07 AM	MMDadoda	2/11/2025 10:09:36 AM	Peak Integrated by Software
VSTDICC100	VX044872.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:11 AM	MMDadoda	2/11/2025 10:09:40 AM	Peak Integrated by Software
VSTDICC150	VX044873.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:16 AM	MMDadoda	2/11/2025 10:09:49 AM	Peak Integrated by Software
VSTDICV050	VX044875.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:20 AM	MMDadoda	2/11/2025 10:09:53 AM	Peak Integrated by Software
VSTDCCC050	VX044891.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:46 AM	MMDadoda	2/11/2025 10:10:13 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VX022525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045029.D	1,2,3-Trichloropropane	JOHN	2/26/2025 9:38:44 AM	MMDadoda	2/26/2025 1:45:58 PM	Peak Integrated by Software
VX0225WBS01	VX045032.D	1,2,3-Trichloropropane	JOHN	2/26/2025 9:38:48 AM	MMDadoda	2/26/2025 1:46:00 PM	Peak Integrated by Software
VX0225WBSD01	VX045033.D	1,2,3-Trichloropropane	JOHN	2/26/2025 9:38:52 AM	MMDadoda	2/26/2025 1:46:01 PM	Peak Integrated by Software
VSTDCCC050	VX045042.D	1,2,3-Trichloropropane	JOHN	2/26/2025 9:38:56 AM	MMDadoda	2/26/2025 1:46:03 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX045068.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	1,4-Dichlorobenzene	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Carbon Tetrachloride	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Chloroethane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Ethyl Acetate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methacrylonitrile	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methyl methacrylate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	Tert butyl alcohol	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC020	VX045070.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:21 AM	MMDadoda	2/28/2025 11:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX045071.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:25 AM	MMDadoda	2/28/2025 11:09:35 AM	Peak Integrated by Software
VSTDICC100	VX045072.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:30 AM	MMDadoda	2/28/2025 11:09:37 AM	Peak Integrated by Software
VSTDICC150	VX045073.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:33 AM	MMDadoda	2/28/2025 11:09:42 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX045075.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:38 AM	MMDadoda	2/28/2025 11:09:44 AM	Peak Integrated by Software
VSTDCCC050	VX045077.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045077.D	Tert butyl alcohol	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VX0228WBS01	VX045080.D	1,2,3-Trichloropropane	JOHN	2/28/2025 2:52:34 PM	MMDadoda	3/3/2025 1:49:45 PM	Peak Integrated by Software
VSTDCCC050	VX045098.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:59 AM	MMDadoda	3/3/2025 1:49:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY022525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021309.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:25 AM	MMDadoda	2/26/2025 1:44:30 PM	Peak Integrated by Software
VSTDICC005	VY021309.D	Methacrylonitrile	Romaben	2/26/2025 10:45:25 AM	MMDadoda	2/26/2025 1:44:30 PM	Peak Integrated by Software
VSTDICC010	VY021310.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:29 AM	MMDadoda	2/26/2025 1:44:32 PM	Peak Integrated by Software
VSTDICC020	VY021311.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:33 AM	MMDadoda	2/26/2025 1:44:34 PM	Peak Integrated by Software
VSTDICCC050	VY021312.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:52 AM	MMDadoda	2/26/2025 1:44:36 PM	Peak Integrated by Software
VSTDICC150	VY021314.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:40 AM	MMDadoda	2/26/2025 1:44:39 PM	Peak Integrated by Software
VSTDICC100	VY021316.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:43 AM	MMDadoda	2/26/2025 1:44:41 PM	Peak Integrated by Software
VSTDICV050	VY021317.D	1,2,3-Trichloropropane	Romaben	2/26/2025 10:45:47 AM	MMDadoda	2/26/2025 1:44:42 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY022625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021320.D	1,2,3-Trichloropropane	Romaben	2/27/2025 9:36:03 AM	MMDadoda	2/27/2025 12:12:27 PM	Peak Integrated by Software
VY0226SBS01	VY021322.D	1,2,3-Trichloropropane	Romaben	2/27/2025 9:35:58 AM	MMDadoda	2/27/2025 12:12:27 PM	Peak Integrated by Software
VY0226SBS01	VY021322.D	Methacrylonitrile	Romaben	2/27/2025 9:35:58 AM	MMDadoda	2/27/2025 12:12:27 PM	Peak Integrated by Software
VY0226SBSD01	VY021323.D	1,2,3-Trichloropropane	Romaben	2/27/2025 9:35:54 AM	MMDadoda	2/27/2025 12:12:28 PM	Peak Integrated by Software
VSTDCCC050	VY021344.D	1,2,3-Trichloropropane	Romaben	2/27/2025 9:36:17 AM	MMDadoda	2/27/2025 12:12:34 PM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044867.D	10 Feb 2025 09:35	JC/MD	Ok
2	VSTDICC001	VX044868.D	10 Feb 2025 10:25	JC/MD	Ok,M
3	VSTDICC005	VX044869.D	10 Feb 2025 10:48	JC/MD	Ok,M
4	VSTDICC020	VX044870.D	10 Feb 2025 11:11	JC/MD	Ok,M
5	VSTDICCC050	VX044871.D	10 Feb 2025 11:34	JC/MD	Ok,M
6	VSTDICC100	VX044872.D	10 Feb 2025 12:05	JC/MD	Ok,M
7	VSTDICC150	VX044873.D	10 Feb 2025 12:28	JC/MD	Ok,M
8	IBLK	VX044874.D	10 Feb 2025 12:51	JC/MD	Ok
9	VSTDICV050	VX044875.D	10 Feb 2025 13:15	JC/MD	Ok,M
10	VX0210MBL01	VX044876.D	10 Feb 2025 13:43	JC/MD	Ok
11	VX0210WBL01	VX044877.D	10 Feb 2025 14:06	JC/MD	Ok
12	VX0210WBS01	VX044878.D	10 Feb 2025 14:29	JC/MD	Ok,M
13	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55	JC/MD	Ok,M
14	Q1250-02	VX044880.D	10 Feb 2025 15:18	JC/MD	Ok
15	Q1250-01	VX044881.D	10 Feb 2025 15:41	JC/MD	Ok
16	Q1250-03	VX044882.D	10 Feb 2025 16:04	JC/MD	Ok
17	Q1250-04	VX044883.D	10 Feb 2025 16:27	JC/MD	Ok
18	Q1250-05	VX044884.D	10 Feb 2025 16:51	JC/MD	Ok
19	Q1250-10	VX044885.D	10 Feb 2025 17:14	JC/MD	Ok
20	Q1250-11	VX044886.D	10 Feb 2025 17:37	JC/MD	Ok
21	Q1250-12	VX044887.D	10 Feb 2025 18:00	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1250-06	VX044888.D	10 Feb 2025 18:23	JC/MD	Ok
23	Q1250-07MS	VX044889.D	10 Feb 2025 18:46	JC/MD	Ok,M
24	Q1250-08MSD	VX044890.D	10 Feb 2025 19:09	JC/MD	Ok,M
25	VSTDCCC050	VX044891.D	10 Feb 2025 19:32	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022525

Review By	John Carlone	Review On	2/26/2025 9:50:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/26/2025 1:46:06 PM		
SubDirectory	VX022525	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133138
Initial Calibration Stds	
CCC	VP133139,VP133141
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045028.D	25 Feb 2025 09:30	JC/MD	Ok
2	VSTDCCC050	VX045029.D	25 Feb 2025 10:00	JC/MD	Ok,M
3	VX0225MBL01	VX045030.D	25 Feb 2025 11:44	JC/MD	Ok
4	VX0225WBL01	VX045031.D	25 Feb 2025 12:07	JC/MD	Ok
5	VX0225WBS01	VX045032.D	25 Feb 2025 12:30	JC/MD	Ok,M
6	VX0225WBSD01	VX045033.D	25 Feb 2025 12:57	JC/MD	Ok,M
7	IBLK	VX045034.D	25 Feb 2025 13:21	JC/MD	Ok
8	Q1401-01	VX045035.D	25 Feb 2025 13:44	JC/MD	Ok
9	Q1423-01	VX045036.D	25 Feb 2025 14:07	JC/MD	ReRun
10	Q1423-03	VX045037.D	25 Feb 2025 14:30	JC/MD	ReRun
11	Q1423-02	VX045038.D	25 Feb 2025 14:54	JC/MD	Ok
12	Q1401-03	VX045039.D	25 Feb 2025 15:17	JC/MD	ReRun
13	Q1401-06	VX045040.D	25 Feb 2025 15:40	JC/MD	ReRun
14	Q1423-04	VX045041.D	25 Feb 2025 16:03	JC/MD	Ok
15	VSTDCCC050	VX045042.D	25 Feb 2025 16:28	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045067.D	28 Feb 2025 01:03	JC/MD	Ok
2	VSTDICC001	VX045068.D	28 Feb 2025 01:27	JC/MD	Ok,M
3	VSTDICC005	VX045069.D	28 Feb 2025 02:13	JC/MD	Ok,M
4	VSTDICC020	VX045070.D	28 Feb 2025 02:37	JC/MD	Ok,M
5	VSTDICCC050	VX045071.D	28 Feb 2025 03:00	JC/MD	Ok,M
6	VSTDICC100	VX045072.D	28 Feb 2025 03:23	JC/MD	Ok,M
7	VSTDICC150	VX045073.D	28 Feb 2025 03:47	JC/MD	Ok,M
8	IBLK	VX045074.D	28 Feb 2025 04:10	JC/MD	Ok
9	VSTDICV050	VX045075.D	28 Feb 2025 04:33	JC/MD	Ok,M
10	BFB	VX045076.D	28 Feb 2025 10:03	JC/MD	Ok
11	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	JC/MD	Ok,M
12	VX0228MBL01	VX045078.D	28 Feb 2025 11:00	JC/MD	Ok
13	VX0228WBL01	VX045079.D	28 Feb 2025 11:23	JC/MD	Ok
14	VX0228WBS01	VX045080.D	28 Feb 2025 11:46	JC/MD	Ok,M
15	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13	JC/MD	Ok,M
16	Q1401-03	VX045082.D	28 Feb 2025 12:37	JC/MD	Ok
17	Q1401-06	VX045083.D	28 Feb 2025 13:00	JC/MD	Ok
18	Q1423-01	VX045084.D	28 Feb 2025 13:23	JC/MD	Ok
19	Q1423-03	VX045085.D	28 Feb 2025 13:47	JC/MD	Ok
20	Q1403-01	VX045086.D	28 Feb 2025 14:10	JC/MD	Ok
21	Q1403-02	VX045087.D	28 Feb 2025 14:33	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1435-01	VX045088.D	28 Feb 2025 14:57	JC/MD	Ok
23	Q1403-04	VX045089.D	28 Feb 2025 15:20	JC/MD	Ok
24	Q1462-02	VX045090.D	28 Feb 2025 15:44	JC/MD	Ok
25	Q1469-01	VX045091.D	28 Feb 2025 16:07	JC/MD	Ok
26	Q1469-02	VX045092.D	28 Feb 2025 16:31	JC/MD	Ok
27	Q1469-03	VX045093.D	28 Feb 2025 16:54	JC/MD	Ok
28	Q1469-04	VX045094.D	28 Feb 2025 17:17	JC/MD	Ok
29	Q1403-03	VX045095.D	28 Feb 2025 17:41	JC/MD	Ok
30	Q1462-01	VX045096.D	28 Feb 2025 18:04	JC/MD	Ok,M
31	IBLK	VX045097.D	28 Feb 2025 18:27	JC/MD	Ok
32	VSTDCCC050	VX045098.D	28 Feb 2025 18:50	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022525

Review By	Mahesh Dadoda	Review On	2/26/2025 1:45:35 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	2/26/2025 1:46:55 PM				
SubDirectory	VY022525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y022525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133154
Initial Calibration Stds	VP133137,VP133140,VP133143,VP133146,VP133147,VP133149
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021308.D	25 Feb 2025 12:10	SY/MD	Ok
2	VSTDICC005	VY021309.D	25 Feb 2025 12:40	SY/MD	Ok,M
3	VSTDICC010	VY021310.D	25 Feb 2025 13:03	SY/MD	Ok,M
4	VSTDICC020	VY021311.D	25 Feb 2025 13:26	SY/MD	Ok,M
5	VSTDICCC050	VY021312.D	25 Feb 2025 14:48	SY/MD	Ok,M
6	VSTDICC100	VY021313.D	25 Feb 2025 15:34	SY/MD	Not Ok
7	VSTDICC150	VY021314.D	25 Feb 2025 15:57	SY/MD	Ok,M
8	VIBLK	VY021315.D	25 Feb 2025 16:24	SY/MD	Ok
9	VSTDICC100	VY021316.D	25 Feb 2025 16:49	SY/MD	Ok,M
10	VSTDICV050	VY021317.D	25 Feb 2025 17:31	SY/MD	Ok,M
11	VIBLK	VY021318.D	25 Feb 2025 17:54	SY/MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022625

Review By	Mahesh Dadoda	Review On	2/27/2025 12:12:40 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	2/27/2025 12:13:53 PM				
SubDirectory	VY022625	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y022525S.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133161
Initial Calibration Stds	
CCC	VP133162,VP133163
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021319.D	26 Feb 2025 09:12	SY/MD	Ok
2	VSTDCCC050	VY021320.D	26 Feb 2025 10:11	SY/MD	Ok,M
3	VY0226SBL01	VY021321.D	26 Feb 2025 10:50	SY/MD	Ok
4	VY0226SBS01	VY021322.D	26 Feb 2025 11:22	SY/MD	Ok,M
5	VY0226SBSD01	VY021323.D	26 Feb 2025 11:44	SY/MD	Ok,M
6	Q1416-01	VY021324.D	26 Feb 2025 12:20	SY/MD	ReRun
7	Q1413-02	VY021325.D	26 Feb 2025 12:43	SY/MD	ReRun
8	Q1418-01	VY021326.D	26 Feb 2025 13:07	SY/MD	Ok
9	Q1413-02RE	VY021327.D	26 Feb 2025 13:30	SY/MD	Confirms
10	Q1401-07	VY021328.D	26 Feb 2025 13:54	SY/MD	Ok
11	Q1401-08	VY021329.D	26 Feb 2025 14:17	SY/MD	Ok
12	Q1401-09	VY021330.D	26 Feb 2025 14:40	SY/MD	Ok
13	Q1382-19	VY021331.D	26 Feb 2025 15:04	SY/MD	Ok
14	Q1383-09	VY021332.D	26 Feb 2025 15:27	SY/MD	Ok
15	Q1411-03	VY021333.D	26 Feb 2025 15:51	SY/MD	Ok
16	Q1411-01	VY021334.D	26 Feb 2025 16:14	SY/MD	Not Ok
17	Q1415-02	VY021335.D	26 Feb 2025 16:37	SY/MD	Ok
18	Q1415-01	VY021336.D	26 Feb 2025 17:01	SY/MD	Ok
19	Q1415-04	VY021337.D	26 Feb 2025 17:24	SY/MD	Ok,M
20	Q1415-03	VY021338.D	26 Feb 2025 17:48	SY/MD	ReRun
21	Q1420-07	VY021339.D	26 Feb 2025 18:11	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022625

Review By	Mahesh Dadoda	Review On	2/27/2025 12:12:40 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	2/27/2025 12:13:53 PM				
SubDirectory	VY022625	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y022525S.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133161
Initial Calibration Stds	
CCC	VP133162,VP133163
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1420-03	VY021340.D	26 Feb 2025 18:34	SY/MD	Ok
23	Q1427-01	VY021341.D	26 Feb 2025 18:58	SY/MD	ReRun
24	Q1380-07MS	VY021342.D	26 Feb 2025 19:21	SY/MD	Ok,M
25	Q1380-08MSD	VY021343.D	26 Feb 2025 19:43	SY/MD	Ok,M
26	VSTDCCC050	VY021344.D	26 Feb 2025 20:06	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044867.D	10 Feb 2025 09:35		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX044868.D	10 Feb 2025 10:25		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX044869.D	10 Feb 2025 10:48		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX044870.D	10 Feb 2025 11:11		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX044871.D	10 Feb 2025 11:34		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX044872.D	10 Feb 2025 12:05		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX044873.D	10 Feb 2025 12:28		JC/MD	Ok,M
8	IBLK	IBLK	VX044874.D	10 Feb 2025 12:51		JC/MD	Ok
9	VSTDICV050	ICVVX021025	VX044875.D	10 Feb 2025 13:15		JC/MD	Ok,M
10	VX0210MBL01	VX0210MBL01	VX044876.D	10 Feb 2025 13:43		JC/MD	Ok
11	VX0210WBL01	VX0210WBL01	VX044877.D	10 Feb 2025 14:06		JC/MD	Ok
12	VX0210WBS01	VX0210WBS01	VX044878.D	10 Feb 2025 14:29		JC/MD	Ok,M
13	VX0210WBSD01	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55		JC/MD	Ok,M
14	Q1250-02	BP-VPB-192-GW-420-4	VX044880.D	10 Feb 2025 15:18	vial B pH<2	JC/MD	Ok
15	Q1250-01	BP-VPB-192-TB-20250	VX044881.D	10 Feb 2025 15:41	vial B pH<2 TB	JC/MD	Ok
16	Q1250-03	BP-VPB-192-GW-300-3	VX044882.D	10 Feb 2025 16:04	vial B pH<2	JC/MD	Ok
17	Q1250-04	BP-VPB-192-GW-320-3	VX044883.D	10 Feb 2025 16:27	vial B pH<2	JC/MD	Ok
18	Q1250-05	BP-VPB-192-GW-340-3	VX044884.D	10 Feb 2025 16:51	vial B pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1250-10	BP-VPB-192-GW-380-3	VX044885.D	10 Feb 2025 17:14	vial B pH<2	JC/MD	Ok
20	Q1250-11	BP-VPB-192-GW-400-4	VX044886.D	10 Feb 2025 17:37	vial B pH<2	JC/MD	Ok
21	Q1250-12	BP-VPB-192-GW-440-4	VX044887.D	10 Feb 2025 18:00	vial B pH<2	JC/MD	Ok
22	Q1250-06	BP-VPB-192-GW-360-3	VX044888.D	10 Feb 2025 18:23	vial B pH<2	JC/MD	Ok
23	Q1250-07MS	BP-VPB-192-GW-360-3	VX044889.D	10 Feb 2025 18:46	vial B pH<2	JC/MD	Ok,M
24	Q1250-08MSD	BP-VPB-192-GW-360-3	VX044890.D	10 Feb 2025 19:09	vial B pH<2	JC/MD	Ok,M
25	VSTDCCC050	VSTDCCC050EC	VX044891.D	10 Feb 2025 19:32		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022525

Review By	John Carlone	Review On	2/26/2025 9:50:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/26/2025 1:46:06 PM		
SubDirectory	VX022525	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133138
Initial Calibration Stds	
CCC	VP133139,VP133141
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045028.D	25 Feb 2025 09:30		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045029.D	25 Feb 2025 10:00	CCAL failed high for comp. #16	JC/MD	Ok,M
3	VX0225MBL01	VX0225MBL01	VX045030.D	25 Feb 2025 11:44		JC/MD	Ok
4	VX0225WBL01	VX0225WBL01	VX045031.D	25 Feb 2025 12:07		JC/MD	Ok
5	VX0225WBS01	VX0225WBS01	VX045032.D	25 Feb 2025 12:30		JC/MD	Ok,M
6	VX0225WBSD01	VX0225WBSD01	VX045033.D	25 Feb 2025 12:57		JC/MD	Ok,M
7	IBLK	IBLK	VX045034.D	25 Feb 2025 13:21		JC/MD	Ok
8	Q1401-01	BP-VPB-192-TB-20250	VX045035.D	25 Feb 2025 13:44	vial A pH<2 TB	JC/MD	Ok
9	Q1423-01	BP-VPB-192-TB-20250	VX045036.D	25 Feb 2025 14:07	vial A pH<2 CCAL failed high for comp. #16; TB;Hit of comp.#16	JC/MD	ReRun
10	Q1423-03	BP-VPB-192-EB-20250	VX045037.D	25 Feb 2025 14:30	vial A pH<2 CCAL failed high for comp. #16; EB;Hit of comp.#16	JC/MD	ReRun
11	Q1423-02	VPB-192-HYD-2025022	VX045038.D	25 Feb 2025 14:54	vial A pH<2	JC/MD	Ok
12	Q1401-03	BP-VPB-192-GW-840-8	VX045039.D	25 Feb 2025 15:17	vial A pH<2 CCAL failed high for comp. #16	JC/MD	ReRun
13	Q1401-06	BP-VPB-192-GW-900-9	VX045040.D	25 Feb 2025 15:40	vial A pH<2 CCAL failed high for comp. #16	JC/MD	ReRun
14	Q1423-04	BP-VPB-192-GW-925-9	VX045041.D	25 Feb 2025 16:03	vial A pH<2	JC/MD	Ok
15	VSTDCCC050	VSTDCCC050EC	VX045042.D	25 Feb 2025 16:28		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045067.D	28 Feb 2025 01:03		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX045068.D	28 Feb 2025 01:27		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX045069.D	28 Feb 2025 02:13		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX045070.D	28 Feb 2025 02:37		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX045071.D	28 Feb 2025 03:00		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX045072.D	28 Feb 2025 03:23		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX045073.D	28 Feb 2025 03:47		JC/MD	Ok,M
8	IBLK	IBLK	VX045074.D	28 Feb 2025 04:10		JC/MD	Ok
9	VSTDICV050	ICVVX022825	VX045075.D	28 Feb 2025 04:33		JC/MD	Ok,M
10	BFB	BFB	VX045076.D	28 Feb 2025 10:03		JC/MD	Ok
11	VSTDCCC050	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	V13516	JC/MD	Ok,M
12	VX0228MBL01	VX0228MBL01	VX045078.D	28 Feb 2025 11:00		JC/MD	Ok
13	VX0228WBL01	VX0228WBL01	VX045079.D	28 Feb 2025 11:23		JC/MD	Ok
14	VX0228WBS01	VX0228WBS01	VX045080.D	28 Feb 2025 11:46		JC/MD	Ok,M
15	VX0228WBSD01	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13		JC/MD	Ok,M
16	Q1401-03	BP-VPB-192-GW-840-8	VX045082.D	28 Feb 2025 12:37	vial B pH<2	JC/MD	Ok
17	Q1401-06	BP-VPB-192-GW-900-9	VX045083.D	28 Feb 2025 13:00	vial B pH<2	JC/MD	Ok
18	Q1423-01	BP-VPB-192-TB-20250	VX045084.D	28 Feb 2025 13:23	vial B pH<2 TB	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM		
SubDirectory	VX022825	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1423-03	BP-VPB-192-EB-20250	VX045085.D	28 Feb 2025 13:47	vial B pH<2 EB	JC/MD	Ok
20	Q1403-01	Storage-Blank-SOIL-RE	VX045086.D	28 Feb 2025 14:10	vial B pH<2	JC/MD	Ok
21	Q1403-02	Storage-Blank-WATER-	VX045087.D	28 Feb 2025 14:33	vial B pH<2	JC/MD	Ok
22	Q1435-01	286107	VX045088.D	28 Feb 2025 14:57	vial A pH<2	JC/MD	Ok
23	Q1403-04	Storage-Blank-SAMPLE	VX045089.D	28 Feb 2025 15:20	vial B pH<2	JC/MD	Ok
24	Q1462-02	FB	VX045090.D	28 Feb 2025 15:44	vial A pH<2 FB	JC/MD	Ok
25	Q1469-01	Storage-Blank-SOIL-RE	VX045091.D	28 Feb 2025 16:07	vial A pH<2	JC/MD	Ok
26	Q1469-02	Storage-Blank-WATER-	VX045092.D	28 Feb 2025 16:31	vial A pH<2	JC/MD	Ok
27	Q1469-03	Storage-Blank-WATER-	VX045093.D	28 Feb 2025 16:54	vial A pH<2	JC/MD	Ok
28	Q1469-04	Storage-Blank-SAMPLE	VX045094.D	28 Feb 2025 17:17	vial A pH<2	JC/MD	Ok
29	Q1403-03	Storage-Blank-WATER-	VX045095.D	28 Feb 2025 17:41	vial B pH<2	JC/MD	Ok
30	Q1462-01	MW2	VX045096.D	28 Feb 2025 18:04	vial A pH<2	JC/MD	Ok,M
31	IBLK	IBLK	VX045097.D	28 Feb 2025 18:27		JC/MD	Ok
32	VSTDCCC050	VSTDCCC050EC	VX045098.D	28 Feb 2025 18:50		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022525

Review By	Mahesh Dadoda	Review On	2/26/2025 1:45:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/26/2025 1:46:55 PM		
SubDirectory	VY022525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y022525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133154
Initial Calibration Stds	VP133137,VP133140,VP133143,VP133146,VP133147,VP133149
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021308.D	25 Feb 2025 12:10		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021309.D	25 Feb 2025 12:40		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021310.D	25 Feb 2025 13:03		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021311.D	25 Feb 2025 13:26	Acrolein fail for method	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021312.D	25 Feb 2025 14:48		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021313.D	25 Feb 2025 15:34	Not used	SY/MD	Not Ok
7	VSTDICC150	VSTDICC150	VY021314.D	25 Feb 2025 15:57		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021315.D	25 Feb 2025 16:24		SY/MD	Ok
9	VSTDICC100	VSTDICC100	VY021316.D	25 Feb 2025 16:49		SY/MD	Ok,M
10	VSTDICV050	ICVVY022525	VY021317.D	25 Feb 2025 17:31	ICV Failed for comp. #10	SY/MD	Ok,M
11	VIBLK	VIBLK	VY021318.D	25 Feb 2025 17:54		SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022625

Review By	Mahesh Dadoda	Review On	2/27/2025 12:12:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/27/2025 12:13:53 PM		
SubDirectory	VY022625	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y022525S.m

STD. NAME	STD REF.#
Tune/Reschk	VP133161
Initial Calibration Stds	
CCC	VP133162,VP133163
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021319.D	26 Feb 2025 09:12		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021320.D	26 Feb 2025 10:11		SY/MD	Ok,M
3	VY0226SBL01	VY0226SBL01	VY021321.D	26 Feb 2025 10:50		SY/MD	Ok
4	VY0226SBS01	VY0226SBS01	VY021322.D	26 Feb 2025 11:22		SY/MD	Ok,M
5	VY0226SBSD01	VY0226SBSD01	VY021323.D	26 Feb 2025 11:44		SY/MD	Ok,M
6	Q1416-01	OK-01-022425	VY021324.D	26 Feb 2025 12:20	vial-A ISTD Fail	SY/MD	ReRun
7	Q1413-02	BU-2-022125	VY021325.D	26 Feb 2025 12:43	vial-A ISTD Fail	SY/MD	ReRun
8	Q1418-01	TR-06-02242025	VY021326.D	26 Feb 2025 13:07	vial-A ISTD Fail	SY/MD	Ok
9	Q1413-02RE	BU-2-022125RE	VY021327.D	26 Feb 2025 13:30	vial-B ISTD Fail	SY/MD	Confirms
10	Q1401-07	BP-VPB-192-GW-825-8	VY021328.D	26 Feb 2025 13:54	vial-A	SY/MD	Ok
11	Q1401-08	BP-VPB-192-GW-860-8	VY021329.D	26 Feb 2025 14:17	vial-A	SY/MD	Ok
12	Q1401-09	BP-VPB-192-GW-880-8	VY021330.D	26 Feb 2025 14:40	vial-A	SY/MD	Ok
13	Q1382-19	OU4-PCS-TC-10-02172	VY021331.D	26 Feb 2025 15:04	vial-A	SY/MD	Ok
14	Q1383-09	OU4-PCS-TC-15-02172	VY021332.D	26 Feb 2025 15:27	vial-B	SY/MD	Ok
15	Q1411-03	HR-03-02212025	VY021333.D	26 Feb 2025 15:51	vial-A	SY/MD	Ok
16	Q1411-01	HR-02-02212025	VY021334.D	26 Feb 2025 16:14	vial-A NOT PURGE	SY/MD	Not Ok
17	Q1415-02	B-172-SB01	VY021335.D	26 Feb 2025 16:37	vial-A	SY/MD	Ok
18	Q1415-01	B-163-SB01	VY021336.D	26 Feb 2025 17:01	vial-A	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY022625

Review By	Mahesh Dadoda	Review On	2/27/2025 12:12:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	2/27/2025 12:13:53 PM		
SubDirectory	VY022625	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y022525S.m

STD. NAME	STD REF.#
Tune/Reschk	VP133161
Initial Calibration Stds	
CCC	VP133162,VP133163
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1415-04	B-172-SB02	VY021337.D	26 Feb 2025 17:24	vial-A	SY/MD	Ok,M
20	Q1415-03	B-163-SB02	VY021338.D	26 Feb 2025 17:48	vial-A Internal Standard Fail	SY/MD	ReRun
21	Q1420-07	TP-2-WC-VOC	VY021339.D	26 Feb 2025 18:11	vial-A Internal Standard Fail	SY/MD	ReRun
22	Q1420-03	TP-1-WC-VOC	VY021340.D	26 Feb 2025 18:34	vial-A	SY/MD	Ok
23	Q1427-01	VNJ-227	VY021341.D	26 Feb 2025 18:58	vial-A Surrogate Fail	SY/MD	ReRun
24	Q1380-07MS	BP-VPB-192-GW-725-7	VY021342.D	26 Feb 2025 19:21	vial-B	SY/MD	Ok,M
25	Q1380-08MSD	BP-VPB-192-GW-725-7	VY021343.D	26 Feb 2025 19:43	vial-B Internal Standard Fail	SY/MD	Ok,M
26	VSTDCCC050	VSTDCCC050EC	VY021344.D	26 Feb 2025 20:06		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Baldev
Analyst: Nilesh
Date: 3/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 02/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134780

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1401-07	BP-VPB-192-GW-825-827	1	1.15	8.83	9.98	2.04	10.1	sludge sample
Q1401-08	BP-VPB-192-GW-860-862	2	1.13	8.65	9.78	1.93	9.2	sludge sample
Q1401-09	BP-VPB-192-GW-880-882	3	1.13	8.68	9.81	1.64	5.9	sludge sample
Q1403-05	SVOC-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1403-06	PEST-GPC-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q1403-07	PEST-GPC-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q1403-08	PCB-GPC-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1403-09	PCB-GPC-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1403-10	SVOC-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1403-11	PEST-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q1403-12	PEST-GPC2-BLANK-SPIKE	11	1.00	1.00	2.00	2.00	100.0	
Q1403-13	PCB-GPC2-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q1403-14	PCB-GPC2-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q1407-01	022125	14	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1411-01	HR-02-02212025	15	1.16	8.48	9.64	9.09	93.5	
Q1411-02	HR-02-02212025-E2	16	1.15	8.70	9.85	9.12	91.6	
Q1411-03	HR-03-02212025	17	1.15	8.81	9.96	9.2	91.4	
Q1411-04	HR-03-02212025-E2	18	1.14	8.43	9.57	8.93	92.4	
Q1412-01	GAS-FUEL-ISLAND-MAT	19	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1413-01	BU-2-022125	20	1.18	8.58	9.76	9.28	94.4	
Q1413-02	BU-2-022125	21	1.19	8.45	9.64	9.22	95.0	
Q1414-01	BUR-1316	22	1.12	8.78	9.9	6.68	63.3	
Q1415-01	B-163-SB01	23	1.15	8.80	9.95	8.94	88.5	
Q1415-02	B-172-SB01	24	1.17	8.60	9.77	8.62	86.6	
Q1415-03	B-163-SB02	25	1.13	8.85	9.98	7.54	72.4	
Q1415-04	B-172-SB02	26	1.18	8.77	9.95	9.05	89.7	
Q1416-01	OK-01-022425	27	1.15	8.48	9.63	8.58	87.6	
Q1416-02	OK-01-022425-E2	28	1.16	8.69	9.85	8.77	87.6	

PERCENT SOLID

Supervisor: Baldev
Analyst: Nilesh
Date: 3/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 02/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134780

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1418-01	TR-06-02242025	35	1.15	8.71	9.86	8.87	88.6	
Q1418-02	TR-06-02242025-E2	36	1.12	8.75	9.87	8.76	87.3	
Q1420-01	TP-1-WC	29	1.15	8.82	9.97	9.04	89.5	
Q1420-02	TP-1-WC-EPH	30	1.12	8.76	9.88	8.96	89.5	
Q1420-03	TP-1-WC-VOC	31	1.14	8.85	9.99	9.18	90.8	
Q1420-05	TP-2-WC	32	1.15	8.62	9.77	8.79	88.6	
Q1420-06	TP-2-WC-EPH	33	1.15	8.40	9.55	8.63	89.0	
Q1420-07	TP-2-WC-VOC	34	1.14	8.85	9.99	9.00	88.8	
Q1421-01	P001-CLAY-CF01-01	37	1.17	8.60	9.77	7.22	70.3	
Q1421-02	Q1421-01MS	38	1.17	8.60	9.77	7.22	70.3	
Q1421-03	Q1421-01MSD	39	1.17	8.60	9.77	7.22	70.3	
Q1421-04	P001-CLAY-CF01-01	40	1.00	9.00	10.00	1.00	0.0	
Q1421-05	Q1421-04MS	41	1.00	9.00	10.00	1.00	0.0	
Q1421-06	Q1421-04MSD	42	1.00	9.00	10.00	1.00	0.0	
Q1421-07	P001-CLAY-CF01-02	43	1.12	8.55	9.67	7.55	75.2	
Q1421-08	P001-CLAY-CF01-02	44	1.00	9.00	10.00	1.00	0.0	
Q1421-09	P001-CLAY-CF02-01	45	1.11	8.74	9.85	7.96	78.4	
Q1421-10	P001-CLAY-CF02-01	46	1.00	9.00	10.00	1.00	0.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB134780

WorkList Name : %1-022425 **WorkList ID :** 187836 **Department :** Wet-Chemistry **Date :** 02-24-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1401-07	BP-VPB-192-GW-825-827	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	H31	02/17/2025	Chemtech -SO
Q1401-08	BP-VPB-192-GW-860-862	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	H31	02/17/2025	Chemtech -SO
Q1401-09	BP-VPB-192-GW-880-882	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	H31	02/17/2025	Chemtech -SO
Q1403-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1407-01	022125	Solid	Percent Solids	Cool 4 deg C	PSEG03	H23	02/21/2025	Chemtech -SO
Q1411-01	HR-02-02212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1411-02	HR-02-02212025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1411-03	HR-03-02212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1411-04	HR-03-02212025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1412-01	GAS-FUEL-ISLAND-MAT	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/21/2025	Chemtech -SO
Q1413-01	BU-2-022125	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1413-02	BU-2-022125	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO

Date/Time 02124125 1525

Raw Sample Received by: JP (WDC)

Raw Sample Relinquished by: CR

Date/Time 02124125 1710

Raw Sample Received by: CR

Raw Sample Relinquished by: JP (WDC)

WORKLIST(Hardcopy Internal Chain)

VH 134780

WorkList Name : %1-022425 **WorkList ID :** 187836 **Department :** Wet-Chemistry **Date :** 02-24-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1414-01	BUR-1316	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/21/2025	Chemtech -SO
Q1415-01	B-163-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1415-02	B-172-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1415-03	B-163-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1415-04	B-172-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1416-01	OK-01-022425	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/24/2025	Chemtech -SO
Q1416-02	OK-01-022425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/24/2025	Chemtech -SO
Q1418-01	TR-06-02242025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H41	02/24/2025	Chemtech -SO
Q1418-02	TR-06-02242025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H41	02/24/2025	Chemtech -SO
Q1420-01	TP-1-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-02	TP-1-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-03	TP-1-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-05	TP-2-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-06	TP-2-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-07	TP-2-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1421-01	P001-CLAY-CF01-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-02	Q1421-01MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-03	Q1421-01MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-04	P001-CLAY-CF01-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-05	Q1421-04MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-06	Q1421-04MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO

Date/Time 02/24/25 15:25

Raw Sample Received by: JR WC)

Raw Sample Relinquished by: [signature]

Date/Time 02/24/25 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: JR WC)

WORKLIST(Hardcopy Internal Chain)

VR134780

WorkList Name : %1-022425 **WorkList ID :** 187836 **Department :** Wet-Chemistry **Date :** 02-24-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1421-07	P001-CLAY-CF01-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-08	P001-CLAY-CF01-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-09	P001-CLAY-CF02-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-10	P001-CLAY-CF02-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO

Date/Time 02/24/25 15:25
Raw Sample Received by: JR (WS)
Raw Sample Relinquished by: [signature]

Date/Time 02/24/25 17:10
Raw Sample Received by: [signature]
Raw Sample Relinquished by: JR (WS)

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Prep Standard - Chemical Standard Summary

Order ID : Q1401

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX022525,VX022825,VY022625,

Standard ID :
VP130430,VP130432,VP131746,VP131767,VP131783,VP132035,VP132036,VP132037,VP132096,VP132097,VP132098,VP132101,VP132613,VP132614,VP132678,VP133031,VP133036,VP133037,VP133038,VP133138,VP133139,VP133141,VP133161,VP133162,VP133163,VP133174,VP133176,VP133178,VP133180,VP133187,VP133188,VP133189,VP133190,VP133191,VP133194,VP133195,VP133196,VP133197,VP133198,VP133199,VP133200,

Chemical ID :
V12967,V13391,V13446,V13449,V13457,V13460,V13465,V13466,V13582,V13706,V13707,V13811,V13919,V13921,V14126,V14145,V14154,V14175,V14176,V14179,V14289,V14425,V14433,V14439,V14521,V14522,V14613,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14744,V14754,V14756,V14801,V14809,V14814,V14842,V14872,V14873,V14874,V14875,V14877,V14878,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP130432	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.10000ml of V13707 + 24.90000ml of V14145 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP131783	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.02000ml of V14289 + 9.98000ml of V14154 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1811	8260 Working Std(2-CVE)-500ppm	VP132036	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 7.50000ml of V14614 + 12.50000ml of VP132035 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1812	8260 Working Std(2-CVE)-100ppm	VP132037	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 0.25000ml of V14633 + 24.75000ml of V14614 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
253	8260 Working STD (BCM)-First source, 20PPM	VP132097	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 0.50000ml of V13466 + 49.50000ml of V14614 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
252	8260 Working STD (BCM)-First source, 100PPM	VP132098	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.25000ml of V13466 + 23.75000ml of V14614 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP132101	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 0.80000ml of V13582 + 9.20000ml of V14614 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132613	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 0.40000ml of V13446 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14722 + 1.00000ml of V14754 + 1.00000ml of V14756 + 1.00000ml of V14801 + 1.00000ml of V14814 + 1.50000ml of V14723 + 1.50000ml of V14724 + 10.60000ml of V14624 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP132614	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 5.62500ml of V14624 + 9.37500ml of VP132613 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
262	8260 Working STD (BCM)-Second source, 100PPM	VP132678	01/24/2025	07/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 1.00000ml of V12967 + 9.00000ml of V14624 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
263	8260 Working STD (Acrolein)-Second source, 800PPM	VP133031	02/14/2025	03/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/17/2025

FROM 0.60000ml of V14878 + 1.00000ml of V14877 + 8.40000ml of V14624 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133036	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/18/2025

FROM 1.00000ml of V14872 + 1.00000ml of V14873 + 1.00000ml of V14874 + 1.00000ml of V14875 + 21.00000ml of V14624 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP133037	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/18/2025

FROM 5.62500ml of V14624 + 9.37500ml of VP133036 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
180	8260 Working STD (Acrolein)-First source, 100PPM	VP133038	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/18/2025

FROM 17.50000ml of V14624 + 2.50000ml of VP133036 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133138	02/25/2025	02/26/2025	John Carlone	None	None	Mahesh Dadoda 02/28/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133139	02/25/2025	02/26/2025	John Carlone	None	None	Mahesh Dadoda 02/28/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132613 + 0.01250ml of VP133036 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133141	02/25/2025	02/26/2025	John Carlone	None	None	Mahesh Dadoda 02/28/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132613 + 0.01250ml of VP133036 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP133161	02/26/2025	02/27/2025	Romaben Patel	None	None	Mahesh Dadoda 02/28/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133162	02/26/2025	02/27/2025	Romaben Patel	None	None	Mahesh Dadoda 02/28/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133163	02/26/2025	02/27/2025	Romaben Patel	None	None	Mahesh Dadoda 02/28/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP130432 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP132614 + 0.00250ml of VP133037 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP133174	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V13706 + 24.60000ml of V14613 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1738	8260 surrogate 20 ppm	VP133176	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.02000ml of V13706 + 24.99000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133178	02/27/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V14842 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14724 + 1.00000ml of V14744 + 1.00000ml of V14754 + 1.00000ml of V14809 + 1.00000ml of V14814 + 1.50000ml of V14722 + 1.50000ml of V14723 + 10.60000ml of V14613 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
245	8260 Calibration Working STD Mix-First source, 20PPM	VP133180	02/27/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 17.50000ml of V14613 + 2.50000ml of VP133178 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133187	02/28/2025	03/01/2025	John Carlone	None	None	Mahesh Dadoda 03/04/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133188	02/28/2025	03/01/2025	John Carlone	None	None	Mahesh Dadoda 03/04/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133189	02/28/2025	03/01/2025	John Carlone	None	None	Mahesh Dadoda 03/04/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133190	02/28/2025	03/01/2025	John Carlone	None	None	Mahesh Dadoda 03/04/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP133191	02/28/2025	04/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.16000ml of V13449 + 0.60000ml of V13919 + 0.80000ml of V13811 + 0.80000ml of V14126 + 0.80000ml of V14179 + 0.80000ml of V14425 + 0.80000ml of V14801 + 1.00000ml of V13921 + 4.24000ml of V14613 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
334	1 PPB ICC, 8260-Water	VP133194	02/28/2025	03/01/2025	John Carlone	None	None	Mahesh Dadoda 03/04/2025

FROM 39.98200ml of W3112 + 0.00200ml of VP132037 + 0.00200ml of VP132097 + 0.00200ml of VP133038 + 0.00200ml of VP133176 + 0.00200ml of VP133180 + 0.00800ml of VP131746 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
335	5 PPB ICC, 8260-Water	VP133195	02/28/2025	03/01/2025	John Carlone	None	None	Mahesh Dadoda 03/04/2025

FROM 39.94200ml of W3112 + 0.00800ml of VP131746 + 0.01000ml of VP132037 + 0.01000ml of VP132097 + 0.01000ml of VP133038 + 0.01000ml of VP133176 + 0.01000ml of VP133180 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
337	20 PPB ICC, 8260-Water	VP133196	02/28/2025	03/01/2025	John Carlone	None	None	Mahesh Dadoda 03/04/2025

FROM 39.97000ml of W3112 + 0.00200ml of VP132096 + 0.00200ml of VP133174 + 0.00500ml of VP132035 + 0.00500ml of VP133036 + 0.00500ml of VP133178 + 0.00800ml of VP131746 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
380	50 PPB ICC, 8260-Water	VP133197	02/28/2025	03/01/2025	John Carlone	None	None	Mahesh Dadoda 03/04/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
381	100 PPB ICC, 8260-Water	VP133198	02/28/2025	03/01/2025	John Carlone	None	None	Mahesh Dadoda 03/04/2025

FROM 39.89700ml of W3112 + 0.00800ml of VP131746 + 0.01000ml of VP132096 + 0.01000ml of VP133174 + 0.02500ml of VP132035 + 0.02500ml of VP133036 + 0.02500ml of VP133178 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
382	150 PPB ICC, 8260-Water	VP133199	02/28/2025	03/01/2025	John Carlone	None	None	Mahesh Dadoda 03/04/2025

FROM 39.84950ml of W3112 + 0.00800ml of VP131746 + 0.01500ml of VP132096 + 0.01500ml of VP133174 + 0.03750ml of VP132035 + 0.03750ml of VP133036 + 0.03750ml of VP133178 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
385	50 PPB ICV, 8260-Water	VP133200	02/28/2025	03/01/2025	John Carlone	None	None	Mahesh Dadoda 03/04/2025

FROM 39.92950ml of W3112 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132101 + 0.01250ml of VP133031 + 0.01250ml of VP133191 + 0.02000ml of VP132678 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	070122	07/24/2025	01/24/2025 / SAM	07/06/2022 / SAM	V12967

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	02/28/2025	01/10/2025 / SAM	01/23/2023 / SAM	V13446

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0191703	06/02/2025	12/02/2024 / SAM	01/23/2023 / SAM	V13449

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	111722	11/17/2025	12/12/2024 / SAM	01/30/2023 / SAM	V13582

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	08/28/2025	02/28/2025 / SAM	05/31/2023 / SAM	V13811

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0193887	07/10/2025	01/10/2025 / SAM	07/24/2023 / SAM	V13919

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0193887	08/24/2025	02/24/2025 / SAM	07/24/2023 / SAM	V13921

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	011624	07/10/2025	01/10/2025 / SAM	01/17/2024 / SAM	V14126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14175

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021524	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14179

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0205013	06/30/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14425

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14433

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14439

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14722

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14723

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	08/27/2025	02/27/2025 / SAM	12/17/2024 / SAM	V14744

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	05/31/2031	01/10/2025 / SAM	12/17/2024 / SAM	V14754

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14756

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220563	06/30/2026	01/10/2025 / SAM	01/08/2025 / SAM	V14801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14809

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14814

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	08/27/2025	02/27/2025 / SAM	01/21/2025 / SAM	V14842

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14872

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021225	03/12/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14877

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021225	03/12/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

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Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

12

ANAB ISO 17034 Accredit
AR-1539 Certificate Number
https://Absolutestandards.cc

CERTIFIED WEIGHT REPORT

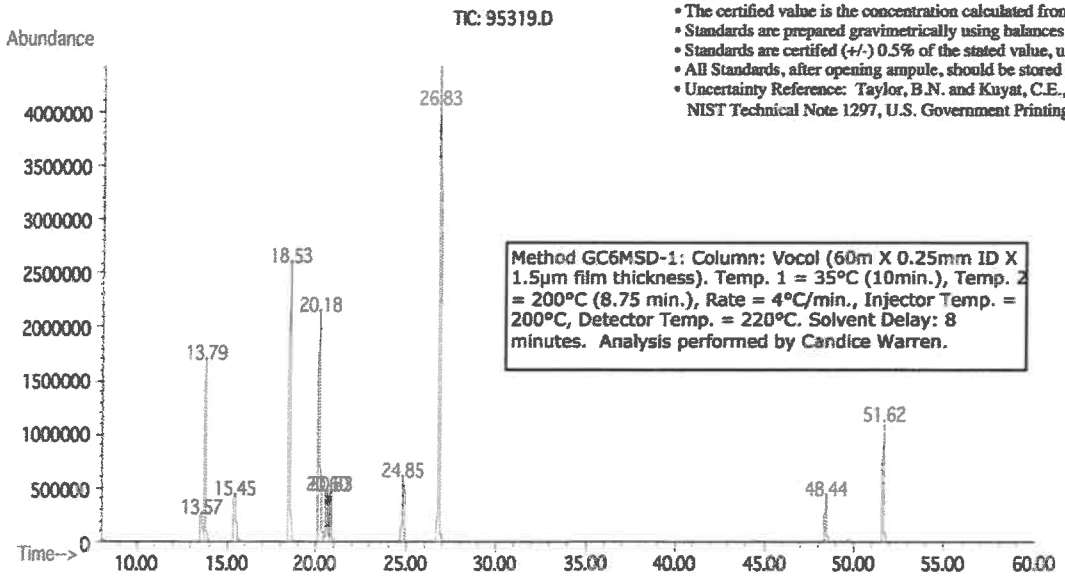
Part Number: 95319
Lot Number: 011624
Description: Revised Additions Mix
11 components
Expiration Date: 011627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EH471-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By:	Prashant Chauhan	011624 DATE
Reviewed By:	Pedro L. Rentas	011624 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrylonitrile	7	4718CK	10000	99	0.2	1.01035	1.01080	10004.4	40.6	107-13-1	N/A	orl-rat 78 mg/kg
2.	1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20007	0.20035	2002.8	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3.	Cyclohexane	1023	28930	2000	99	0.2	0.20207	0.20222	2001.5	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4.	Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20207	0.20227	2002.0	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5.	1,4-Dioxane	373	03853KE	40000	99	0.2	4.04142	4.04213	40007.0	162.5	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6.	Hexachloroethane	199	12604HBV	2000	99	0.2	0.20207	0.20221	2001.4	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7.	Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20207	0.20230	2002.3	8.2	108-87-2	N/A	orl-mus 2250mg/kg
8.	Methyl tert-butyl ether (MTBE)	209	21880	2000	99	0.2	0.20207	0.20227	2002.0	8.2	1634-04-4	N/A	orl-rat 4g/kg
9.	Propionitrile	349	1395468	20000	99	0.2	2.02071	2.02150	20007.8	81.3	107-12-0	N/A	orl-rat 39mg/kg
10.	Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00125	1.00200	10007.5	40.3	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11.	1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21511	0.21522	2001.0	8.7	488-23-3	N/A	orl-rat 6408mg/kg



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Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

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2 vials
Rec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021225
Description: Acrolein

Solvent(s): **Lot#**
Water 072324Q

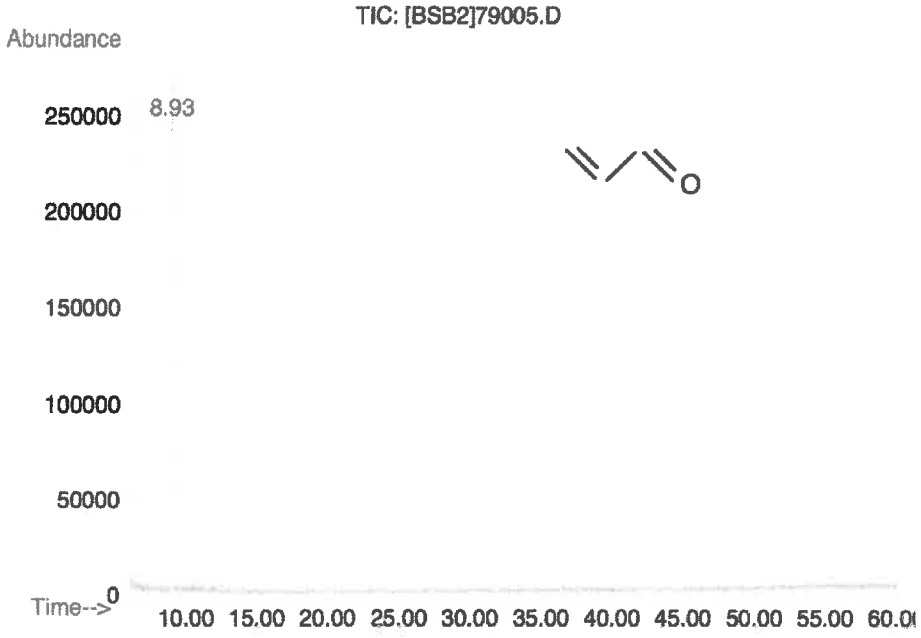
U14877-78

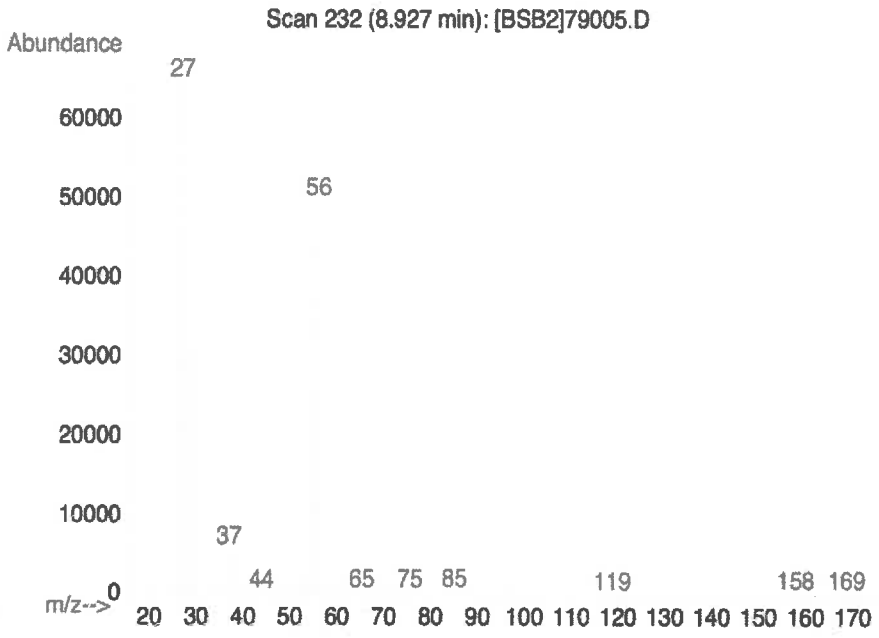
Expiration Date: 031225
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	021225 DATE
Reviewed By:	Pedro L. Rentas	021225 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.05166	0.05180	5013.7	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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2 vials
Rec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021225
Description: Acrolein

Solvent(s): **Lot#**
Water 072324Q

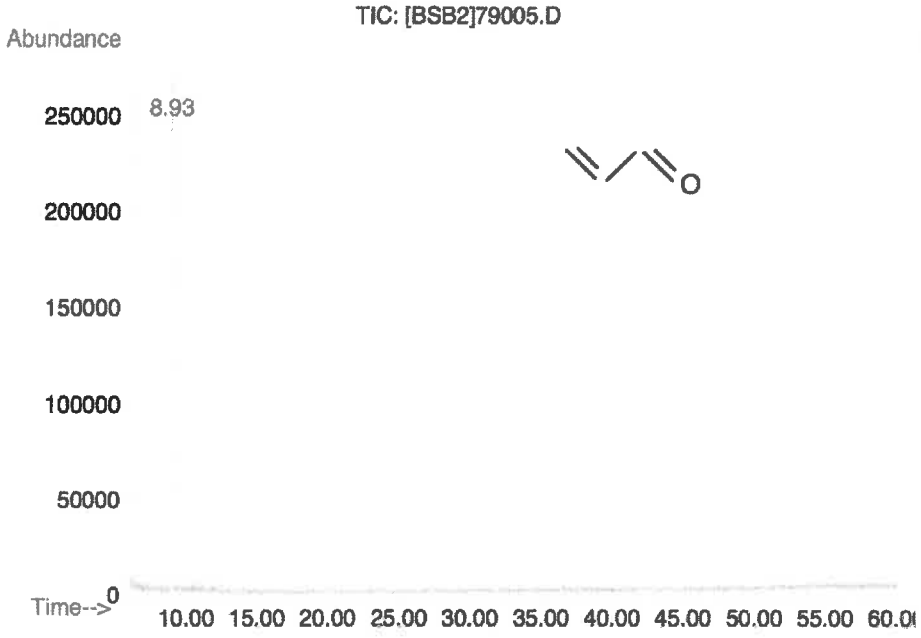
U14877-78

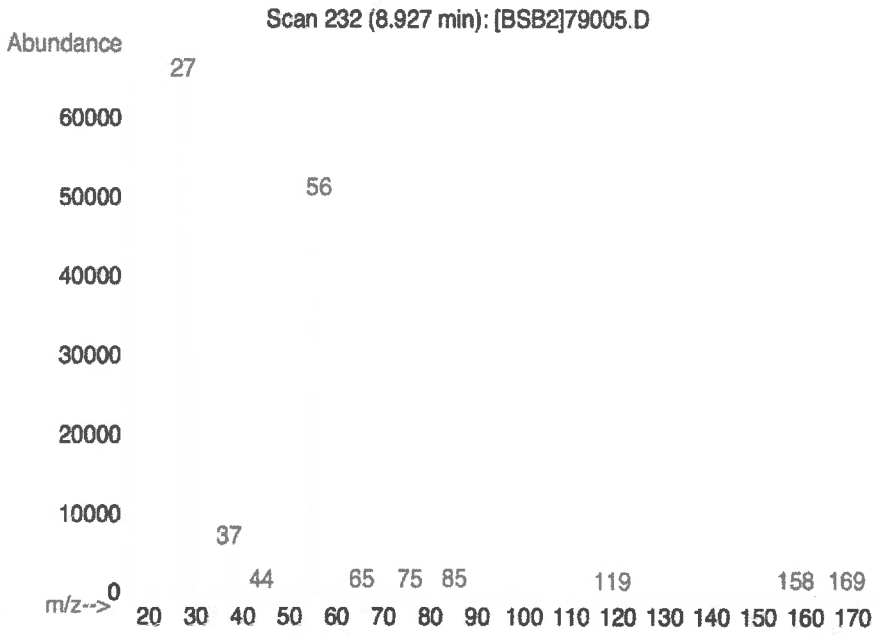
Expiration Date: 031225
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	021225 DATE
Reviewed By:	Pedro L. Rentas	021225 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.05166	0.05180	5013.7	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

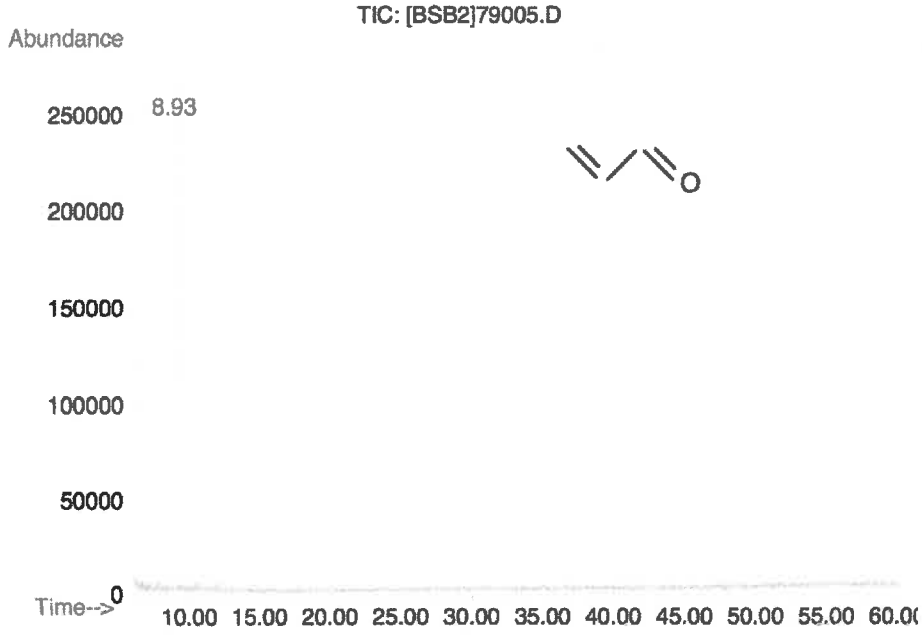
V14872 to
V14876

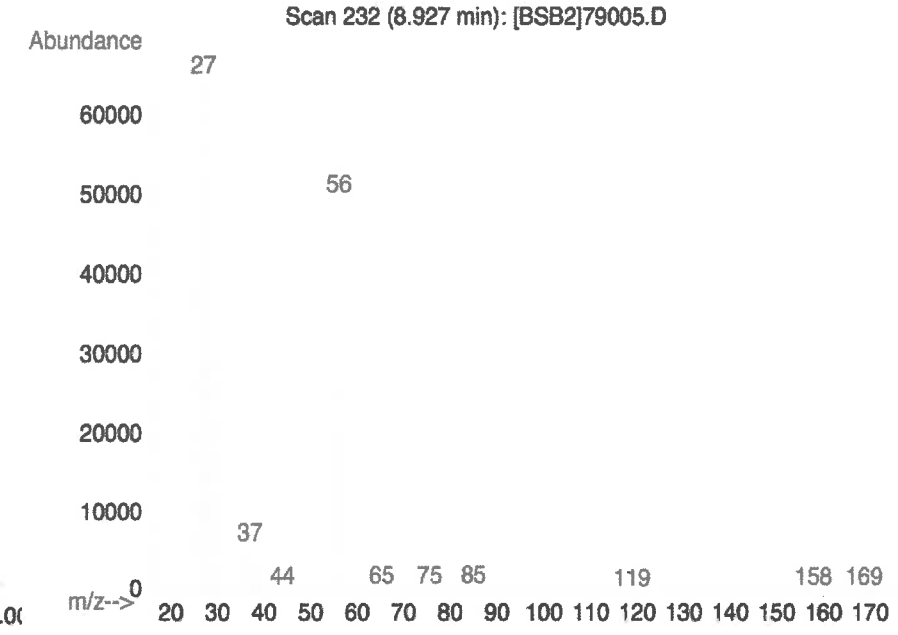
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

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Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

V14872 to
V14876

		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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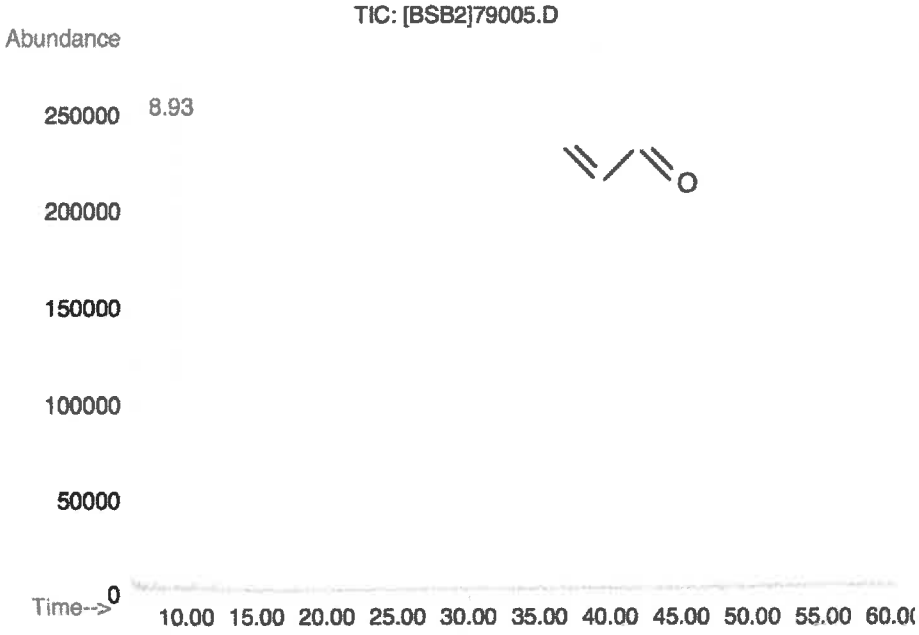

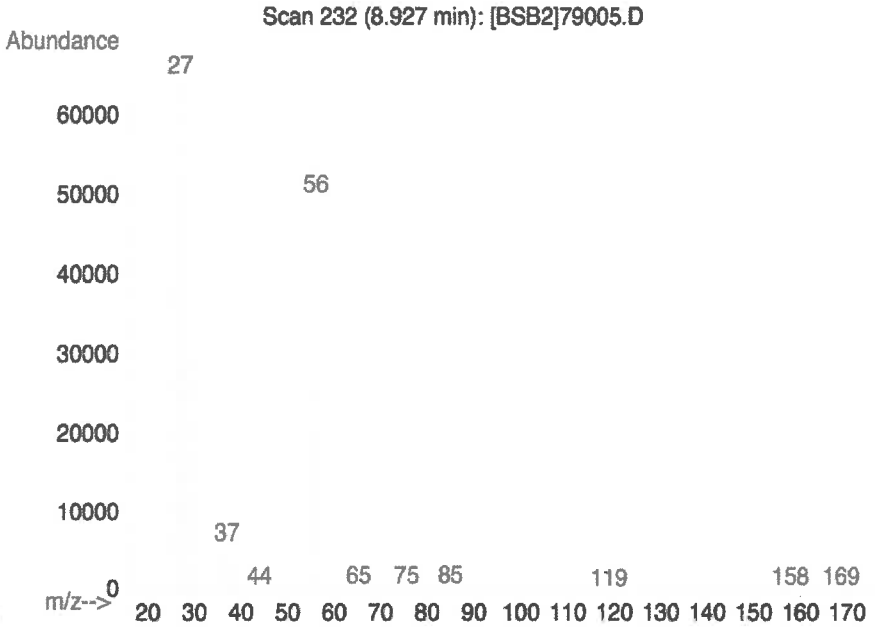

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Absolute Standards Inc.

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Hamden, CT 06518-0585

Phone: 203-281-2917
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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

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Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
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Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

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Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

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LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
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Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 V14

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

V14872 to
V14876

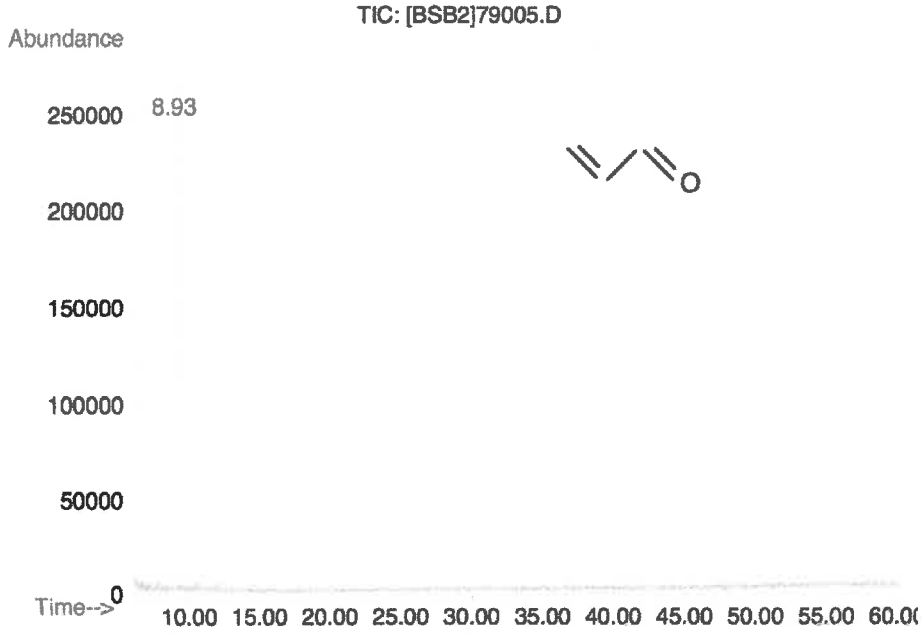
021325
Formulated By: Anthony Mahoney DATE

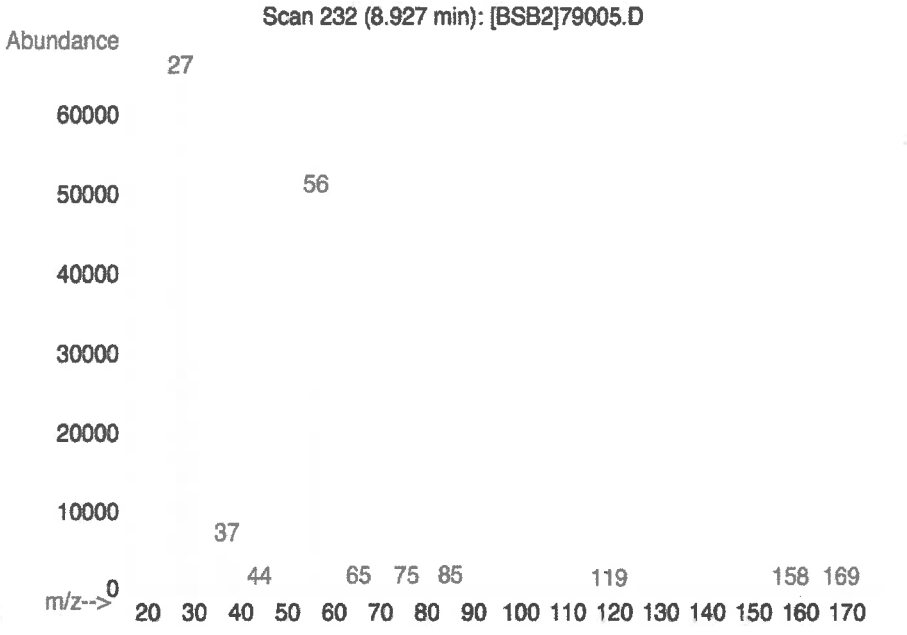
021325
Reviewed By: Pedro L. Rentas DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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Certified Reference Material CRM

5 V14

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
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Dec 02/14/25

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

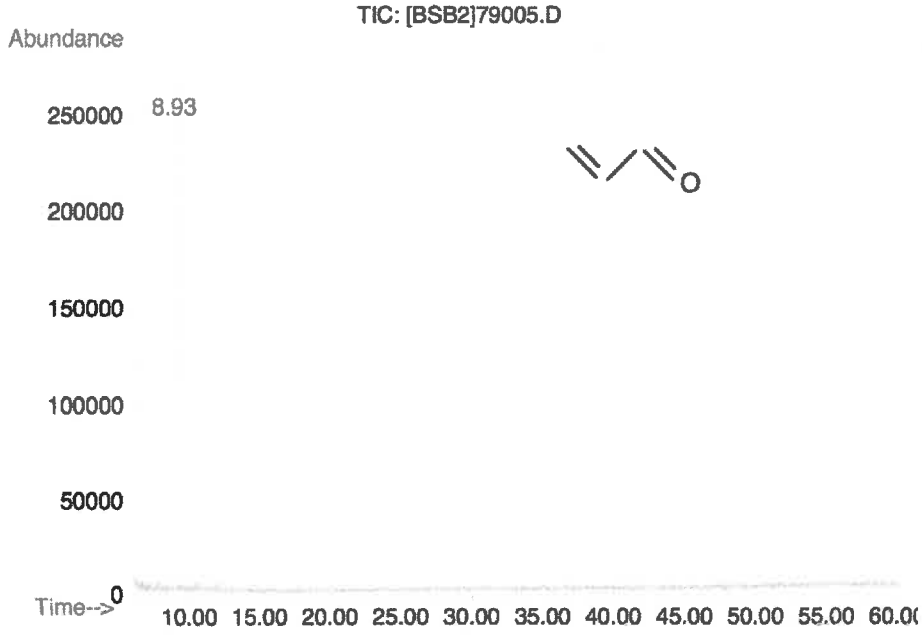
V14872 to
V14876

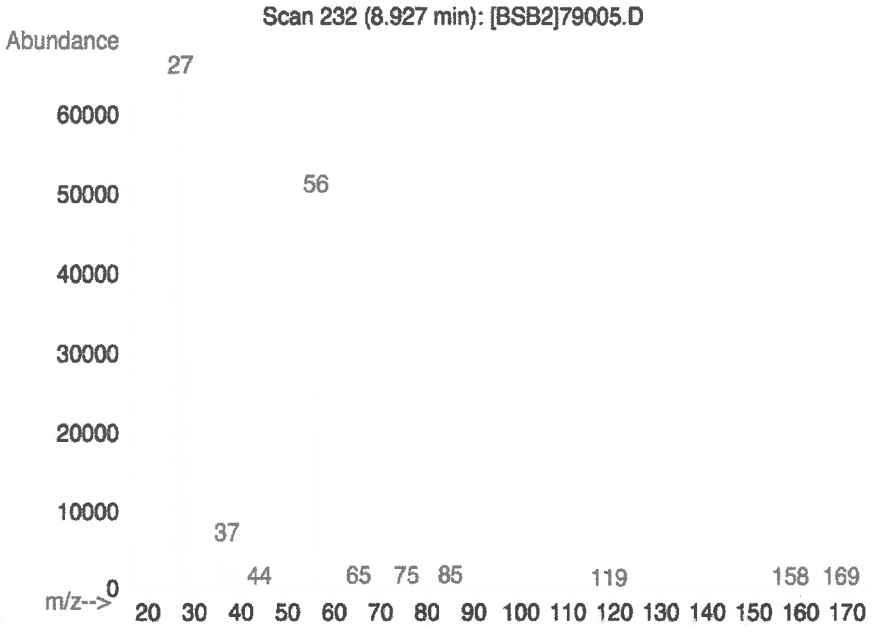
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
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In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

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Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021524
Description: Universal VOA Megamix
69 components
Expiration Date: 021527
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Mario Luis 021524 DATE

Reviewed By: Pedro L. Rentas 021524 DATE

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

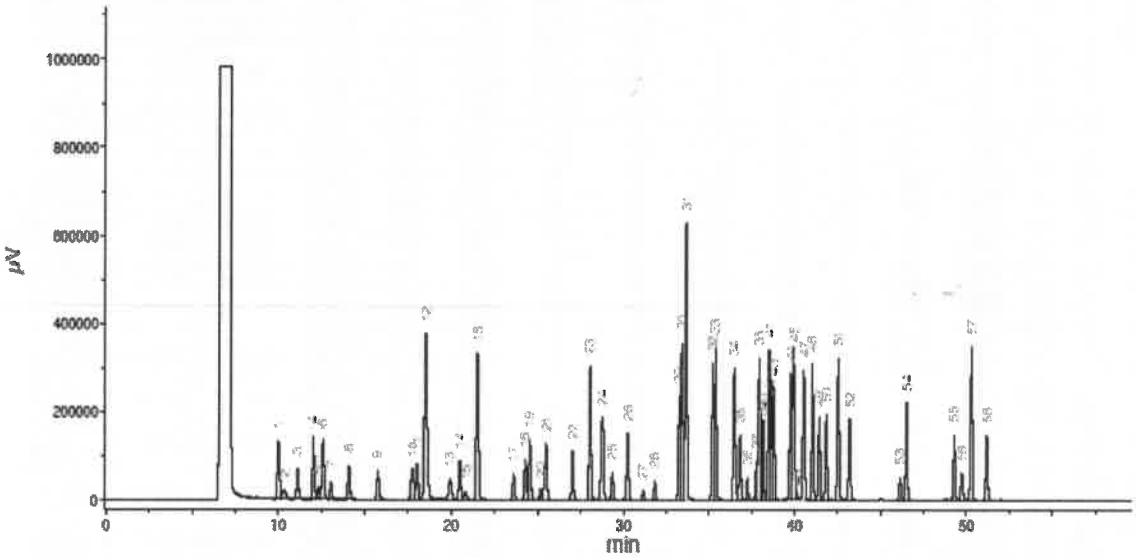
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expended Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20022	2001.5	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20222	2001.5	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21060	2000.2	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20734	2000.3	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS000(	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20231	2002.4	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20118	2001.2	8.1	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20209	2000.2	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20030	2000.5	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20570	2001.0	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20415	2000.2	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20210	2000.3	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.8mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1260mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 17, "P95317 L021524 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 10:04:27 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	33.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoform	36.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	43.10
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	48.26
56	Hexachlorobutadiene	49.22
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

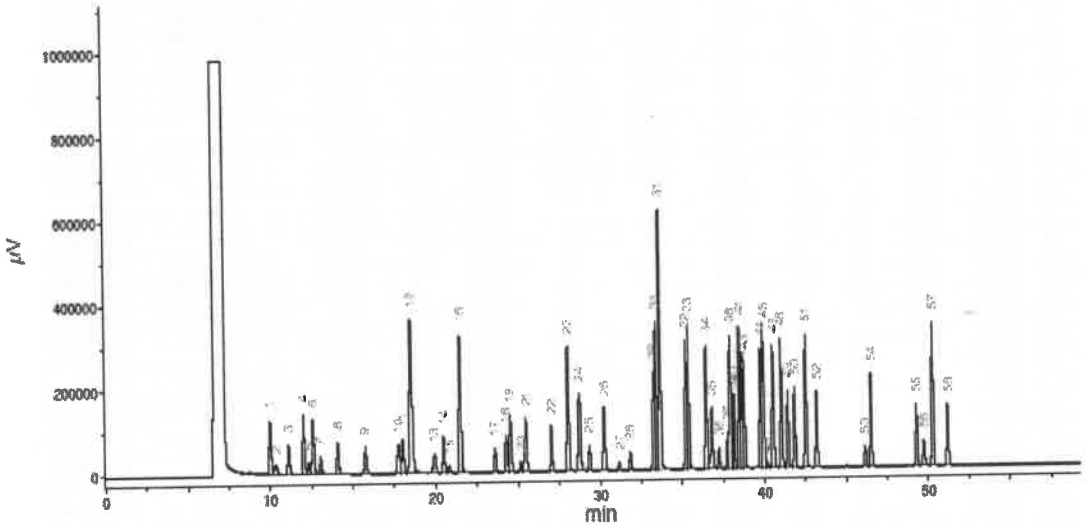
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF6718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 750mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.56
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By:	Prashant Chauhan	021624	DATE
Reviewed By:	Pedro L. Rentas	021624	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

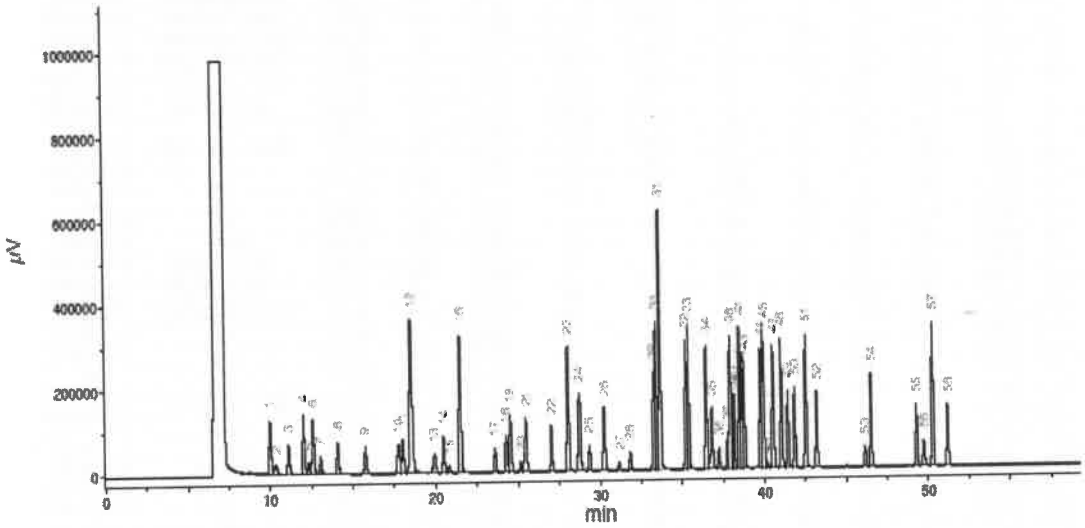
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.6	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

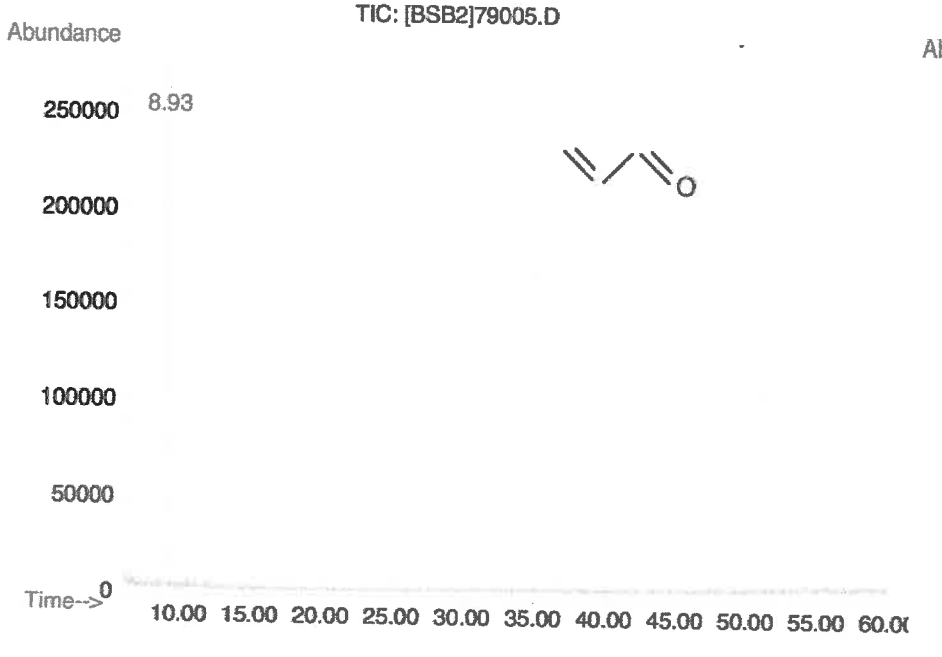
Weight(s) shown below were combined and diluted to (mL): 10.0

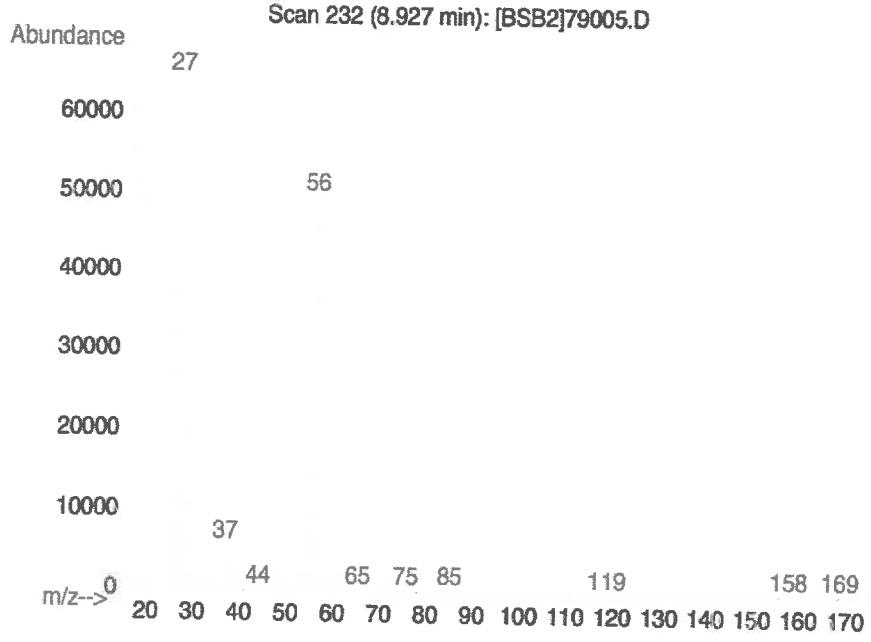
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By: Justin Dippold	091424 DATE
Reviewed By: Pedro L. Rentas	091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

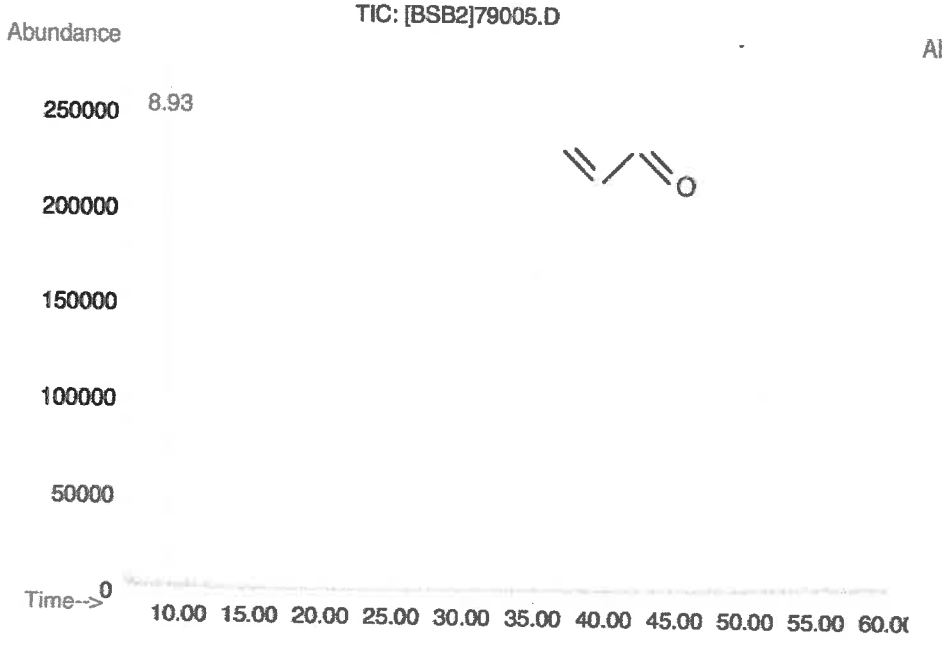
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

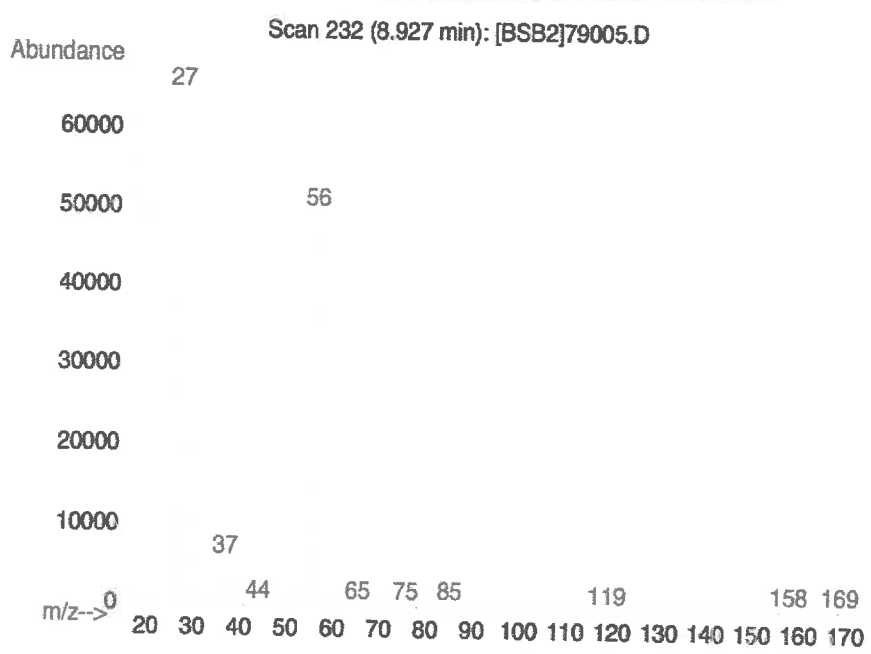
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 111722
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EB679-US

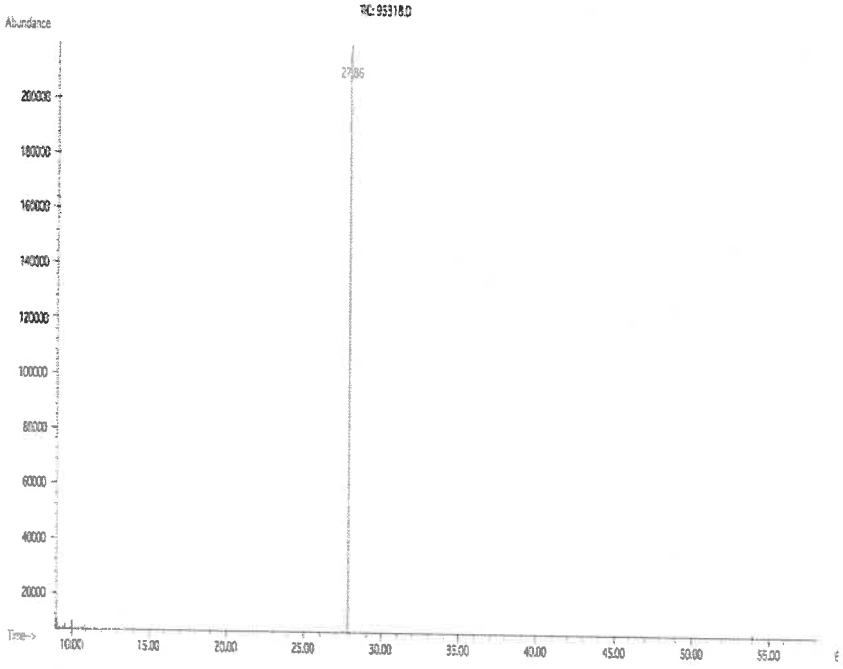
Expiration Date: 111725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

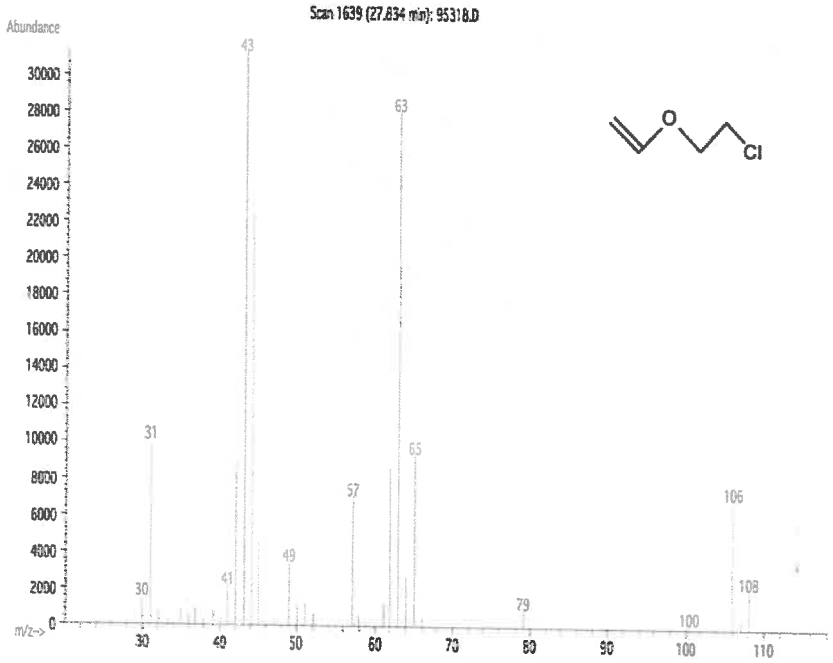
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Formulated By:	Eli Aliaga	111722 DATE
Reviewed By:	Pedro L. Rentas	111722 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50541	0.50551	10001.9	40.5	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

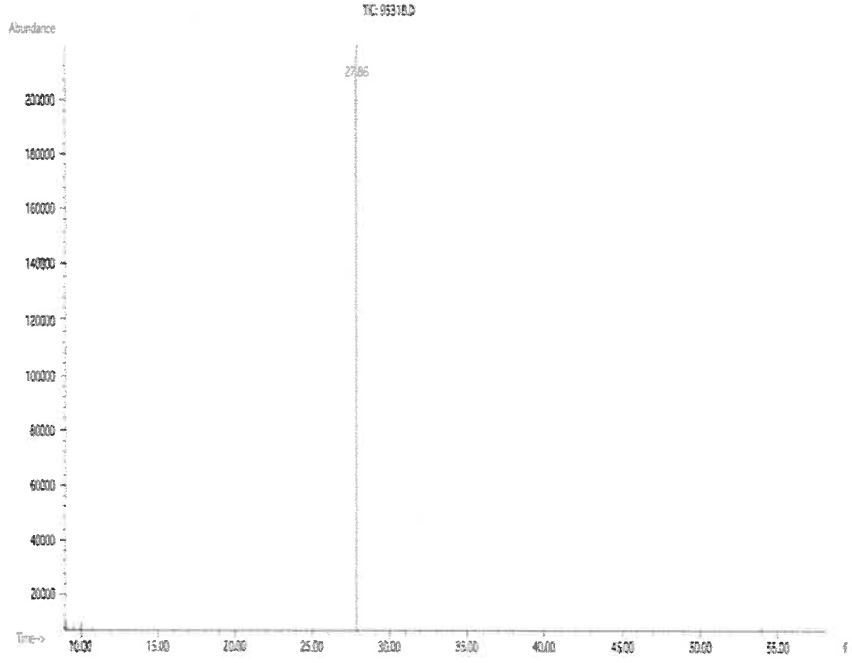
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

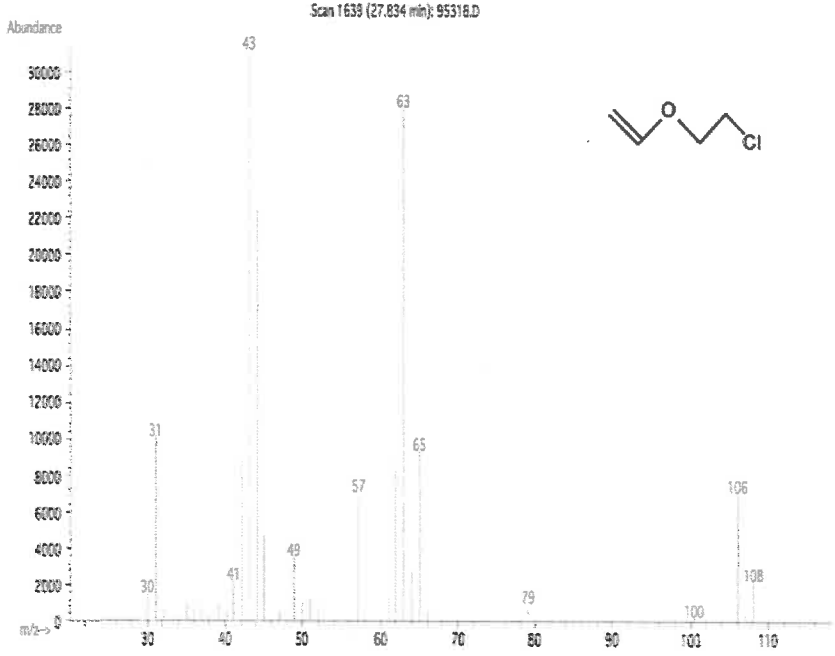
Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE

Pedro Rentas 120524
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

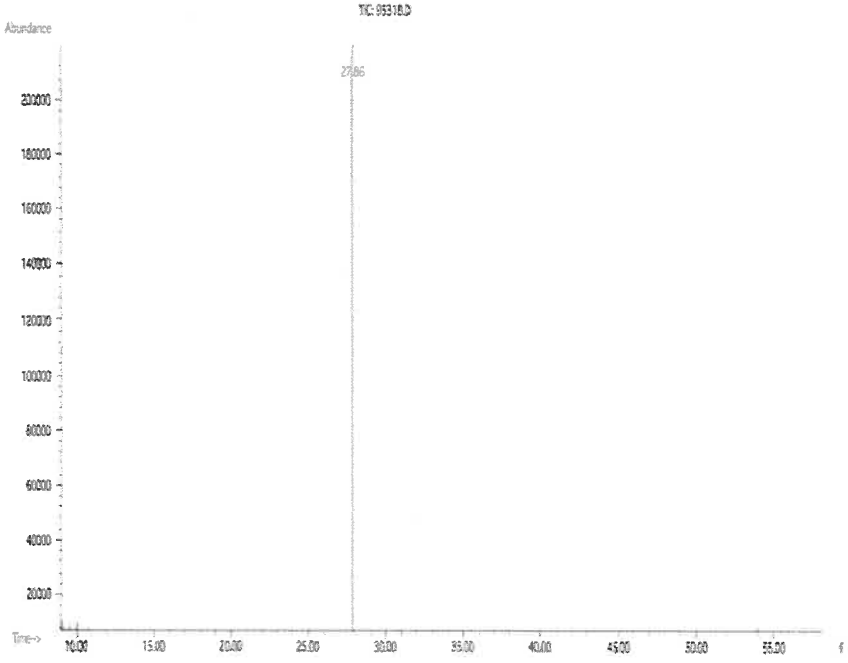
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

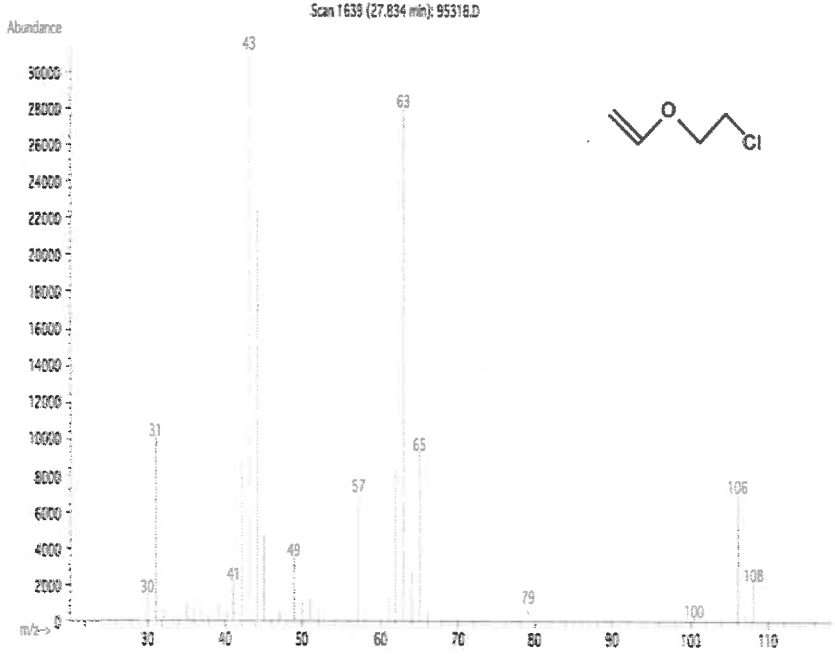
Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE

Pedro Rentas 120524
Reviewed By: Pedro L. Rentas DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

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IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
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In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

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Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

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Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
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Hazardous decomposition products formed under fire conditions. - Carbon oxides

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LD50 Oral - rat - 5,628 mg/kg
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LC50	15,400 mg/l - 96 h
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EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

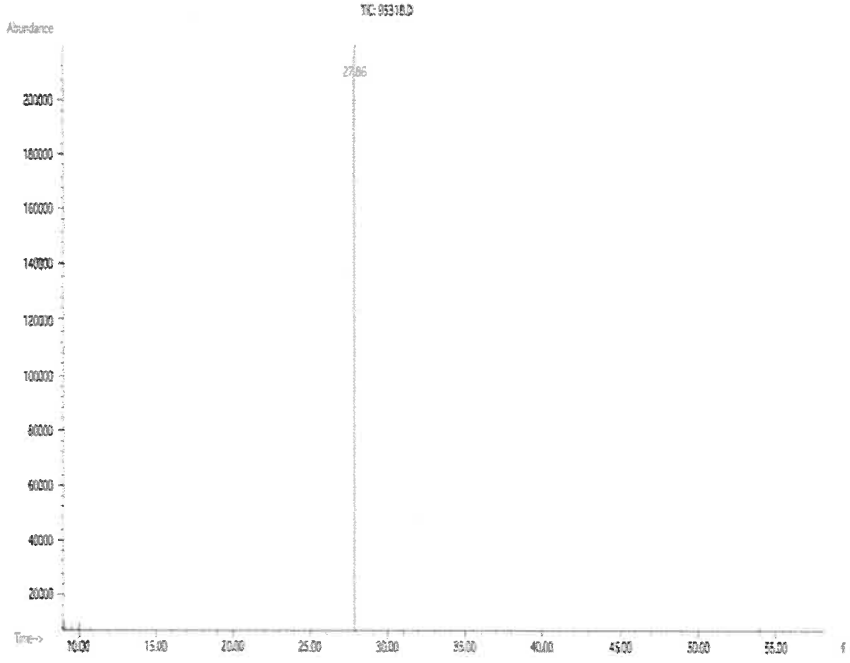
Solvent(s): Methanol **Lot#** EJ143-US

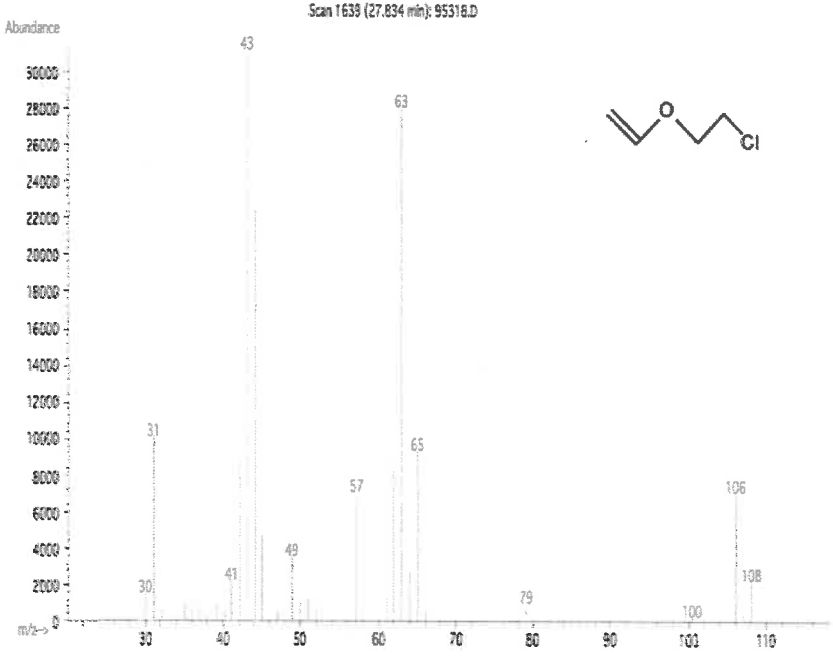
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

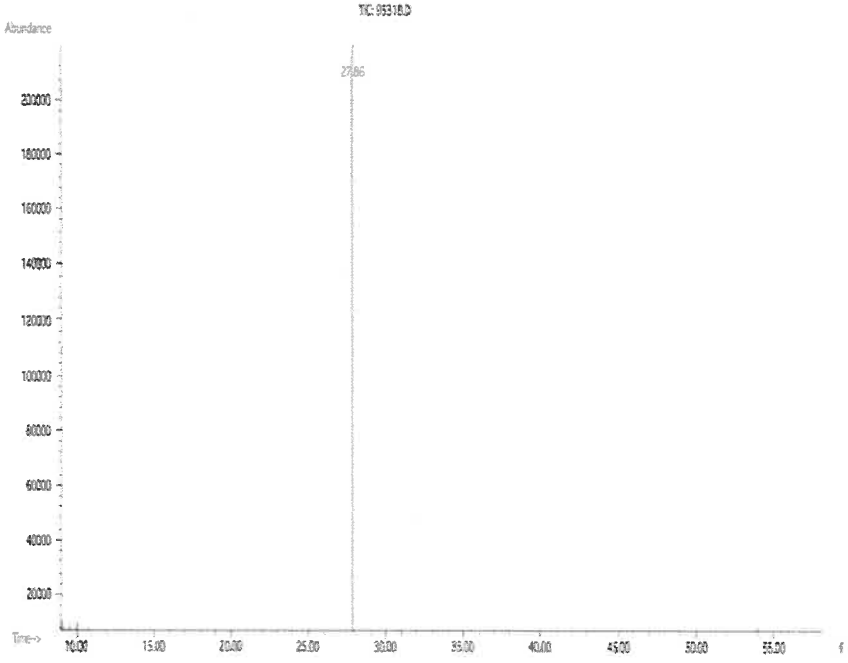
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

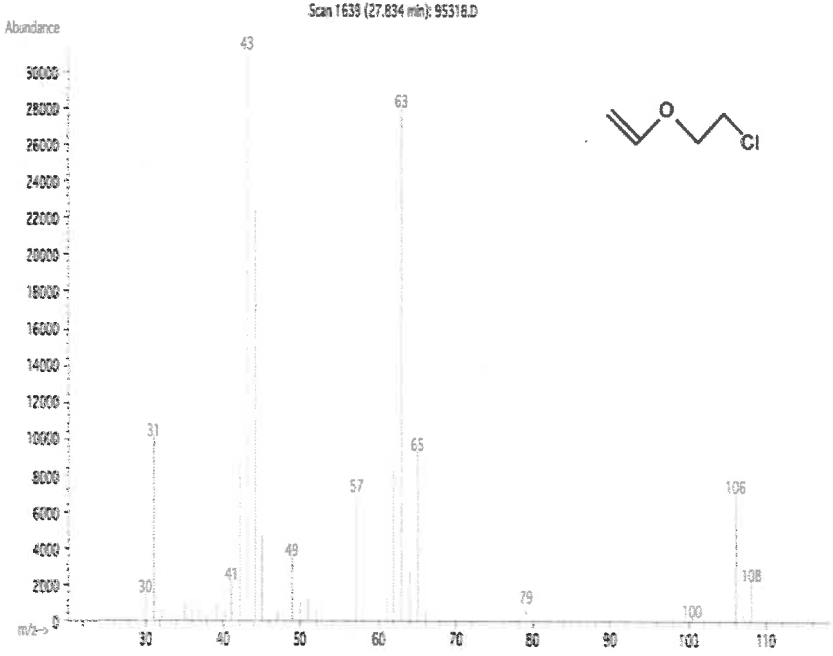
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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Signal Word: DANGER

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Components (Specific Chemical Identity; Common Name(s))			% (optional)
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UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butanol (TBA)		50,126.0	µg/mL	+/- 293.4988	µg/mL	Gravimetric
	CAS # 75-65-0	(Lot SHBM7694)			+/- 1,073.7654	µg/mL	Unstressed
	Purity 99%				+/- 1,104.9494	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

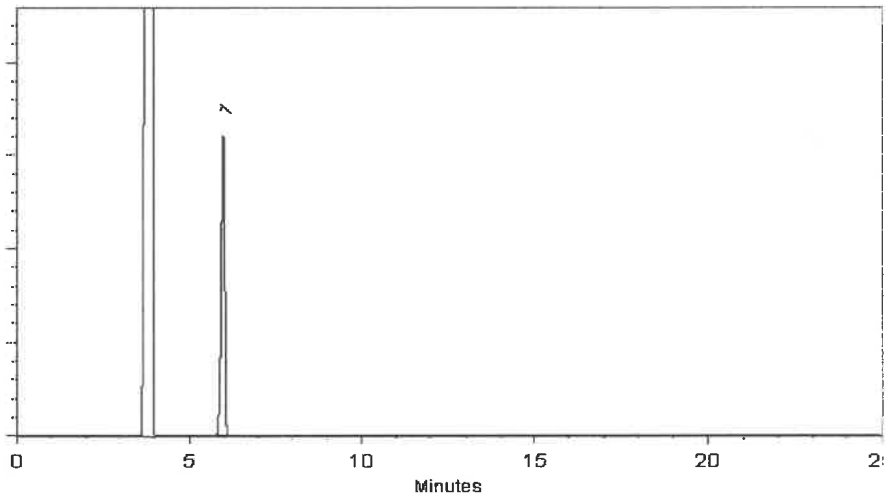
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

4 J

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CERTIFIED REFERENCE MATERIAL

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0191703

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,122.0 µg/mL	+/- 293.4753 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot 101619K21F-1)		+/- 1,073.6797 µg/mL	Unstressed
	Purity 99%		+/- 1,104.8612 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

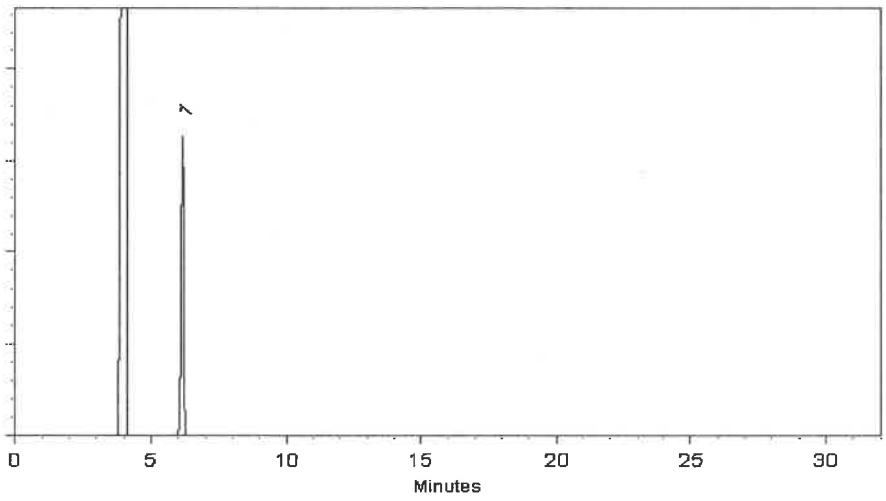
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 15-Nov-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

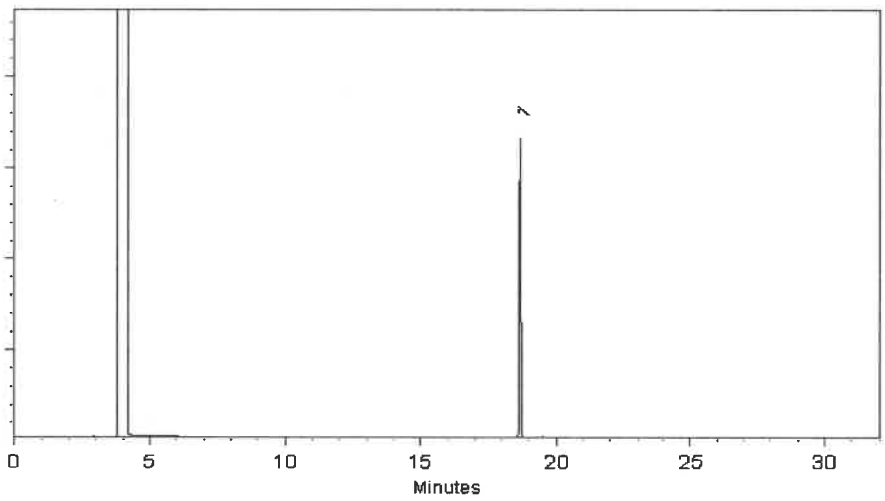
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

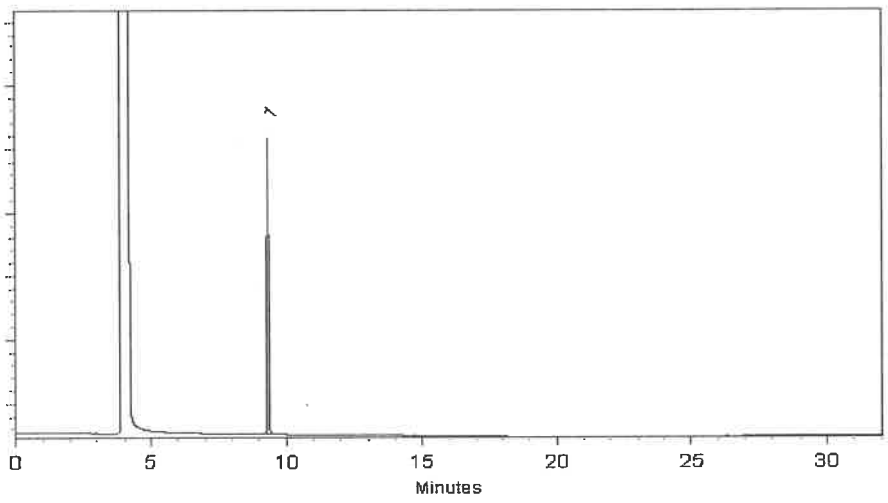
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

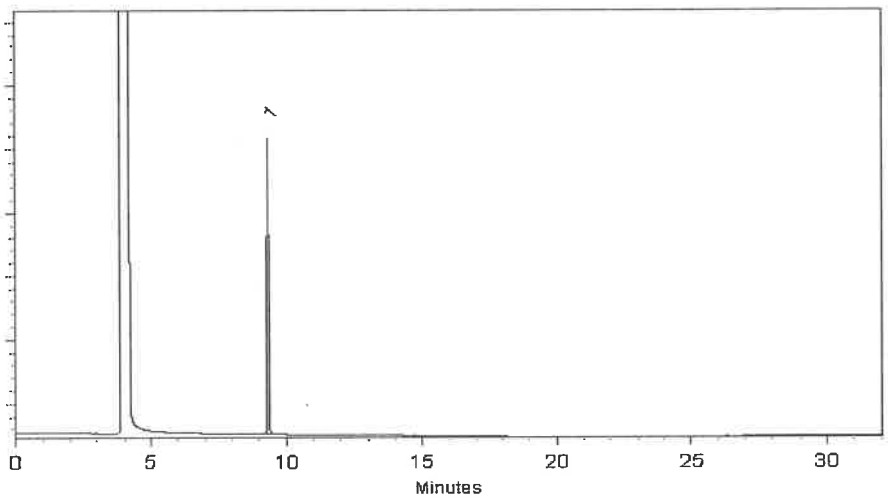
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

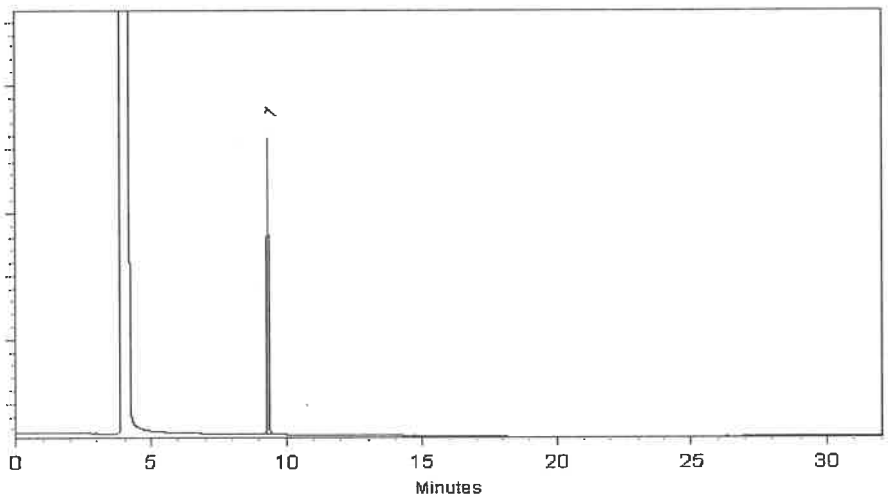
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

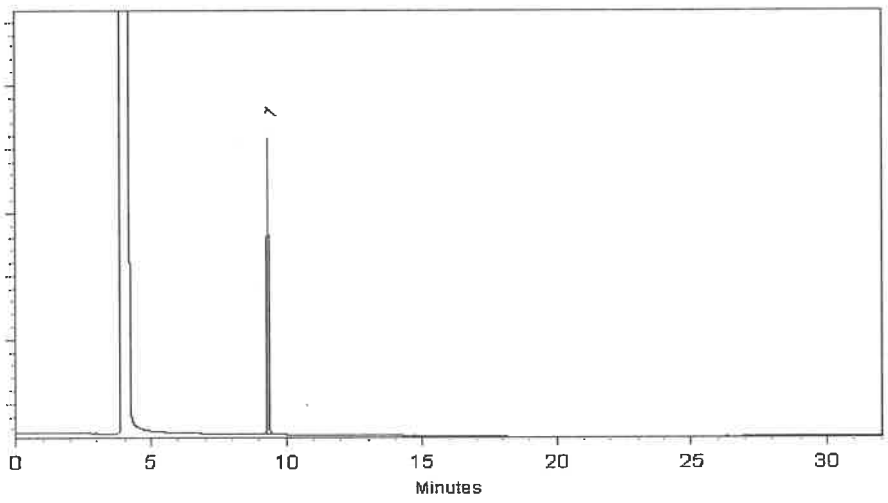
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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Manufacturing Notes:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0193887

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,006.5 µg/mL	+/- 173.0015
2	2-Butanone (MEK)	78-93-3	SHBN9536	99%	5,008.5 µg/mL	+/- 173.0706
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,000.3 µg/mL	+/- 172.7884
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,001.7 µg/mL	+/- 172.8345

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

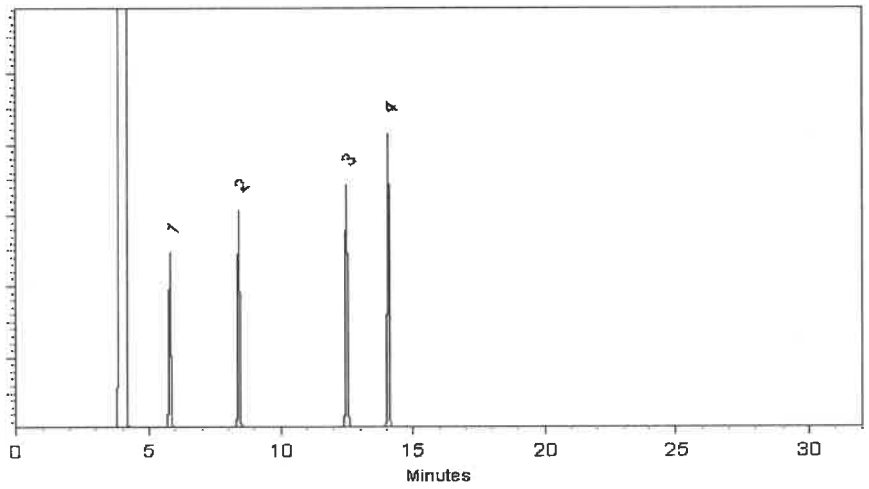
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 24-Jan-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 27-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0193887

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,006.5 µg/mL	+/- 173.0015
2	2-Butanone (MEK)	78-93-3	SHBN9536	99%	5,008.5 µg/mL	+/- 173.0706
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,000.3 µg/mL	+/- 172.7884
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,001.7 µg/mL	+/- 172.8345

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

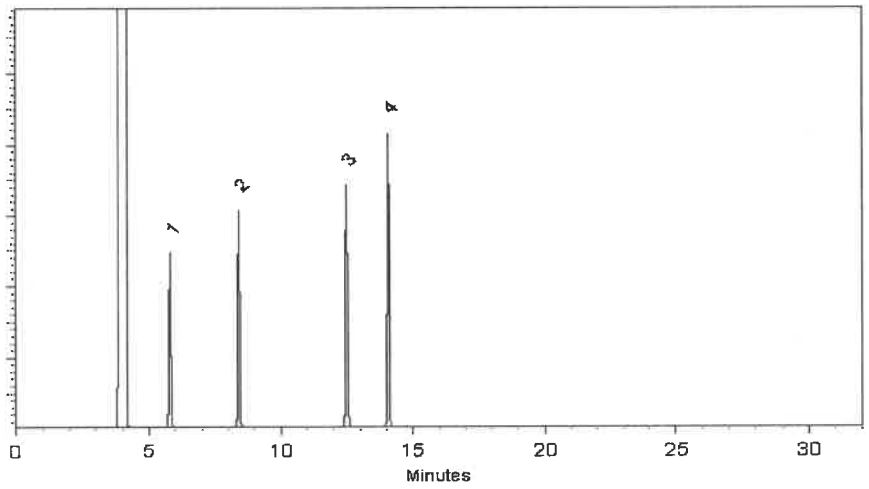
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Josh McCloskey - Operations Technician I

Date Mixed: 24-Jan-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 27-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

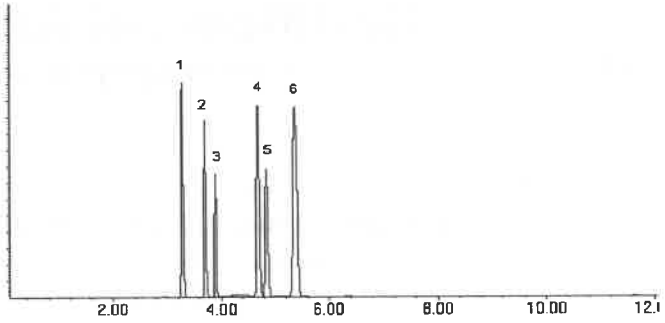
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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Catalog No. : 30489 **Lot No.:** A0205013

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,012.7 µg/mL	+/- 69.5670
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,017.5 µg/mL	+/- 69.7338
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,020.0 µg/mL	+/- 69.8205
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,018.7 µg/mL	+/- 69.7744
5	Propyl acetate	109-60-4	KLOBM	99%	2,012.0 µg/mL	+/- 69.5439
6	Butyl acetate	123-86-4	SHBP6314	99%	2,020.0 µg/mL	+/- 69.8205
7	Amyl acetate	628-63-7	41325/1	97%	2,019.5 µg/mL	+/- 69.8046

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

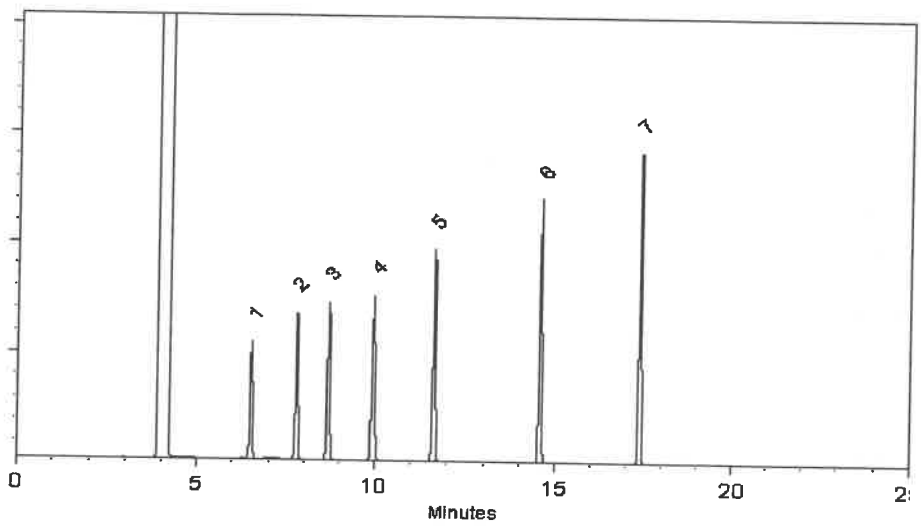
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Brittany Federinko - Operations Tech I

Date Mixed: 04-Dec-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Dec-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

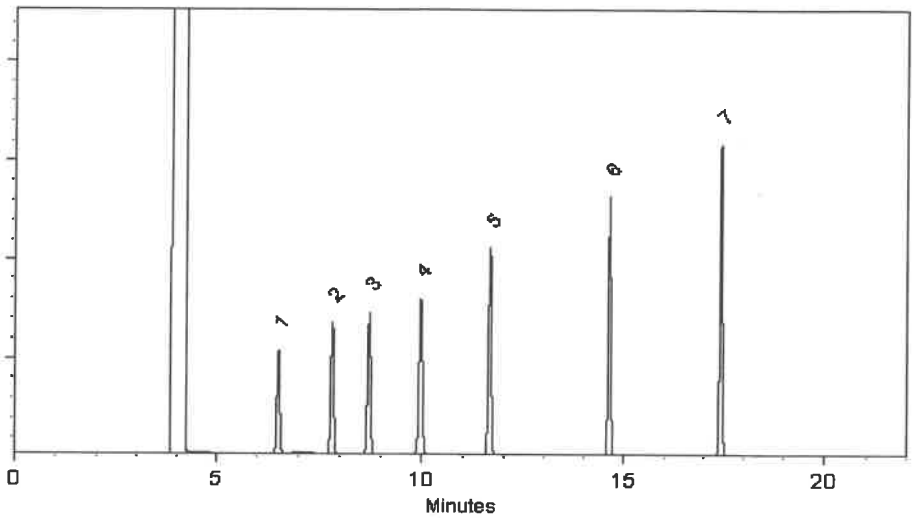
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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chromatographic plus

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Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
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Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Quality Confirmation Test

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Rtx-502.2 (cat.#10910)

Carrier Gas:
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40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

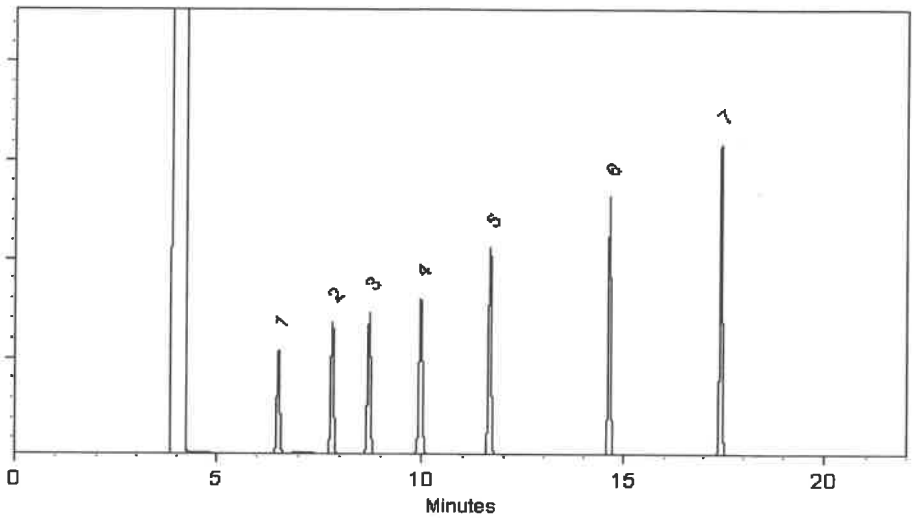
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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gravimetric

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

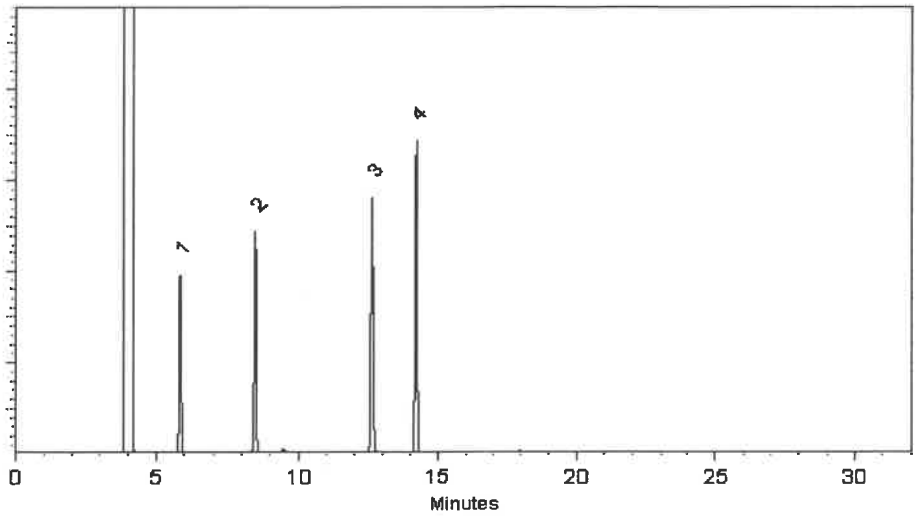
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Certified Uncertainty Value Notes:

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
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Inj. Temp:
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Det. Temp:
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Det. Type:
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Split Vent:
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Inj. Vol
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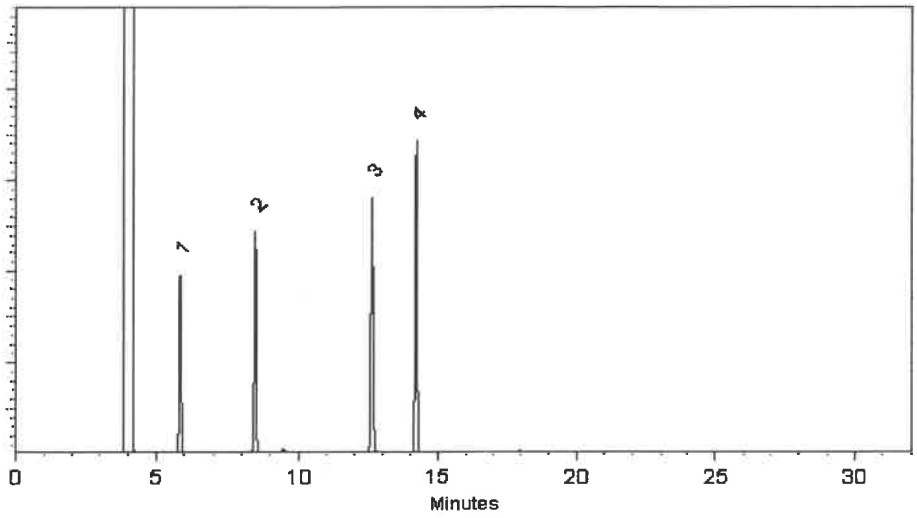

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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

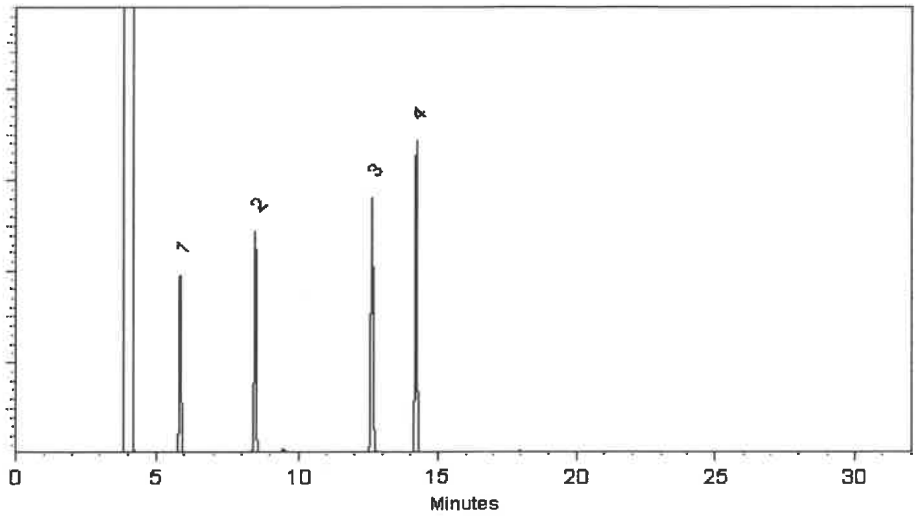
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

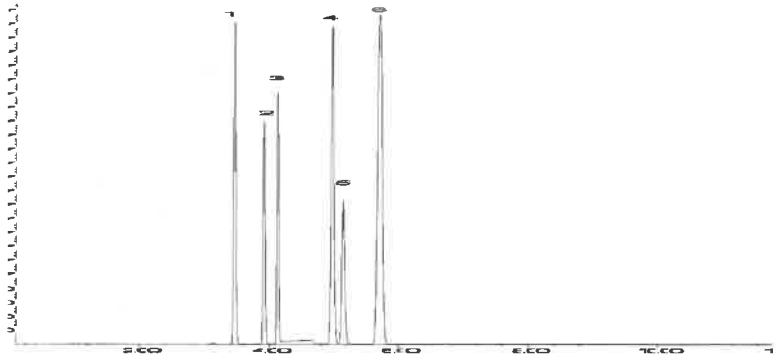
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

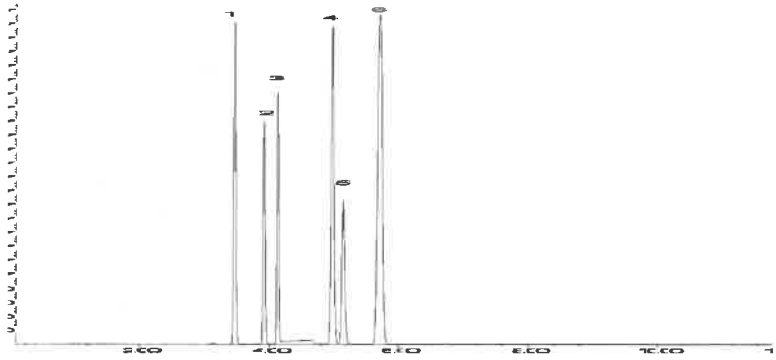
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

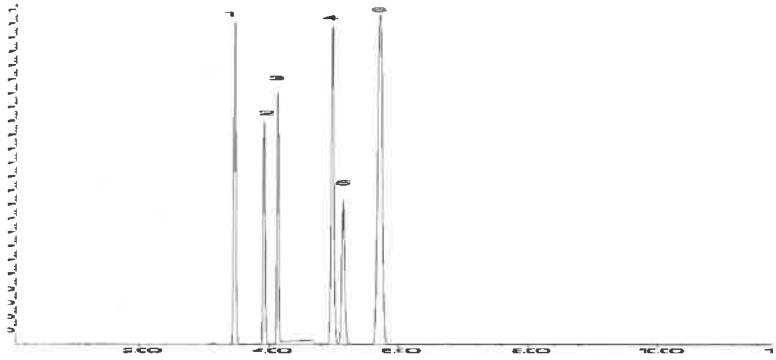
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J14842 to 14846

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

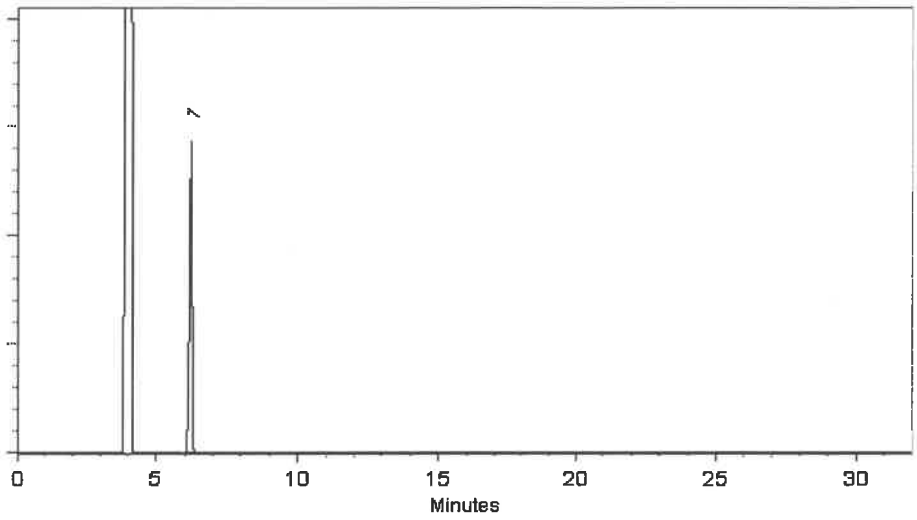
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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V14803 - V14822

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

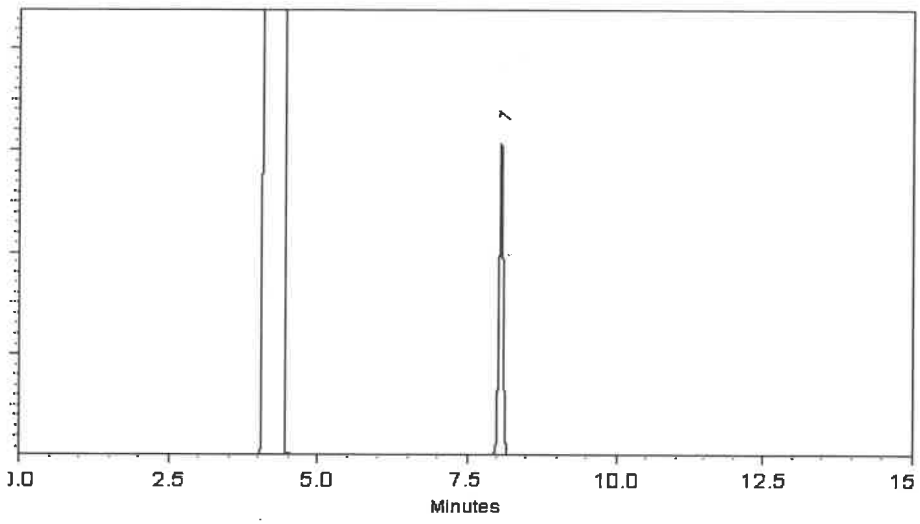
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Zoey Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

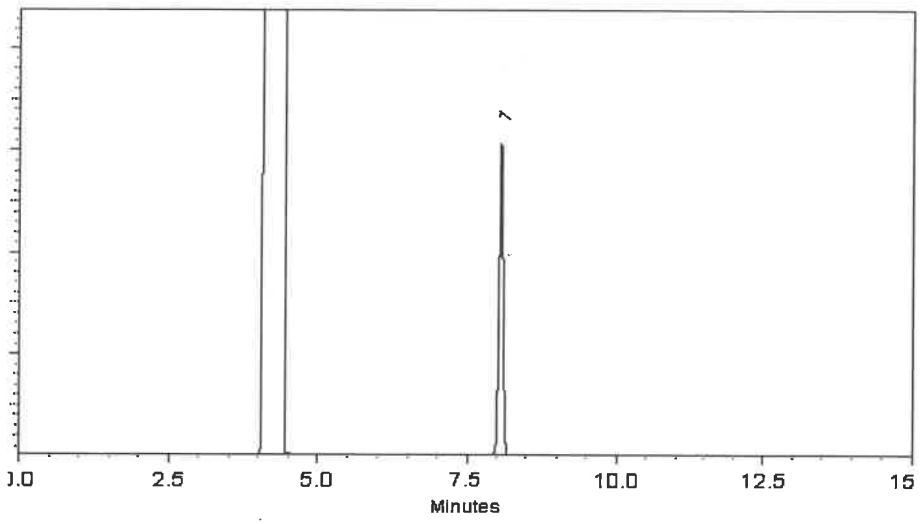
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

10 vial Rec 01/08/25

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14793 to 14802

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-FL **Lot No.:** A0220563

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,060.0 µg/mL	+/- 278.5905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

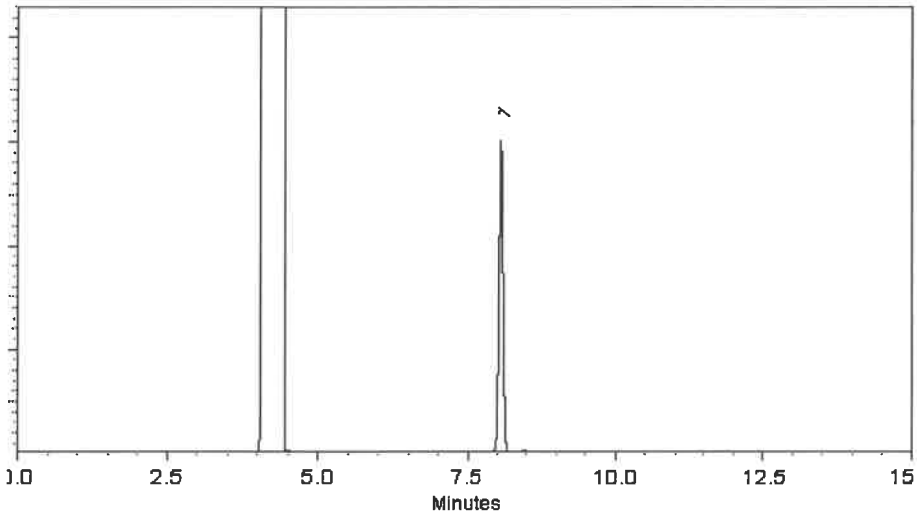
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 30-Dec-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 70046
Lot Number: 070122
Description: Bromochloromethane

Solvent: Methanol **Lot#** EC592-US

Expiration Date: 070127
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

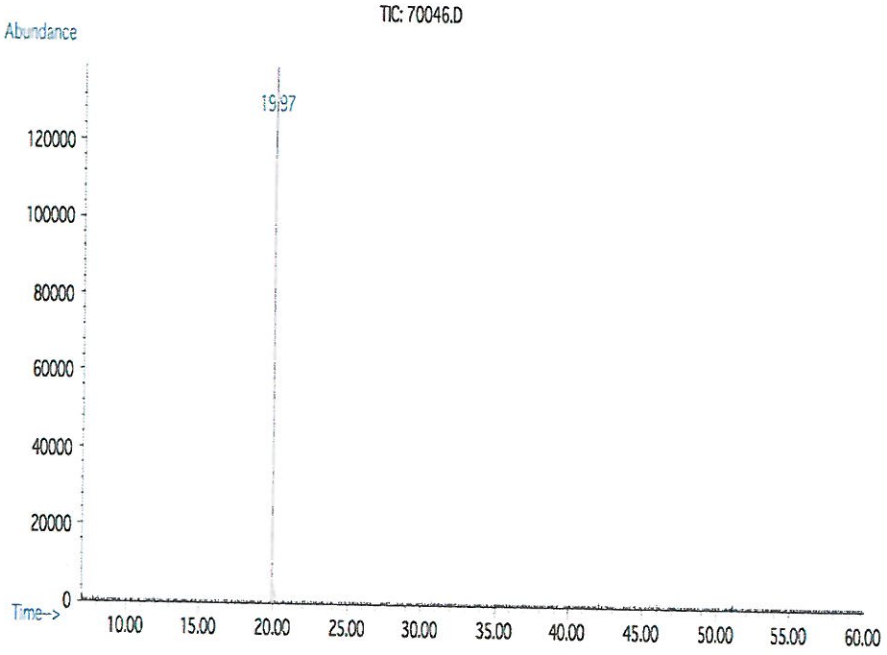
Weight(s) shown below were combined and diluted to (mL): 25.0

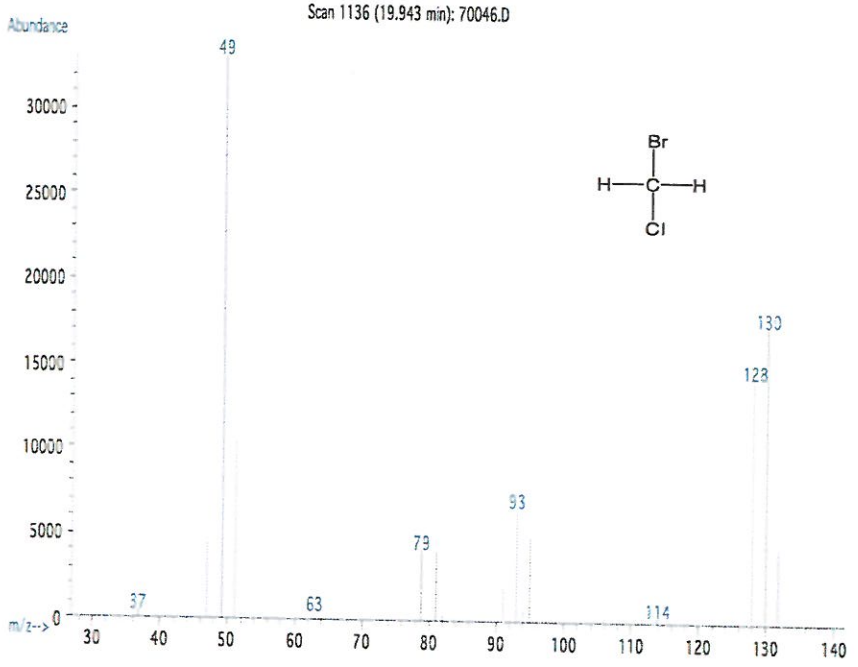
5E-05 Balance Uncertainty
0.0002 Flask Uncertainty

Formulated By:	Gabriel Helland	070122 DATE
Reviewed By:	Pedro L. Rentas	070122 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Bromochloromethane	46	AY01	1000	99	0.2	0.02530	0.02540	1004.1	5.7	74-97-5	200 ppm (1050mg/m3/8H)	orl-rat 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B= 200°C, Detector B = 220°C. Analyst: Candice Warren





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

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For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
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846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

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

Preservation Log

BalanceID: VOC-SC-2

Review By: pedro

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)	Vial A Time	Vial B Weight(g)	Vial B Time	Vial C Weight(g) with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q1401-07	4.99	12:44	5.02	12:45	5.03	12:46	V14143	02/21/2025	40 ml terracore
2	Q1401-08	5.04	12:47	5.05	12:48	5.07	12:49	V14143	02/21/2025	
3	Q1401-09	5.05	12:50	5.08	12:51	5.06	12:52	V14143	02/21/2025	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: Q1401

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Lane Suite 300	PROJECT #: 112G08005-WE13 LOCATION: VPB-192	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie.wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX: 10 DAYS*
HARD COPY: 10 DAYS*
EDD 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ❑ RESEULTS ONLY
- ❑ RESULTS + QC
- ❑ New Jersey REDUCED
- ❑ New Jersey CLP
- ❑ EDD Format
- ❑ USEPA CLP
- ❑ New York State ASP "B"
- ❑ New York State ASP "A"
- ❑ Other

ANALYSIS

	1	2	3	4	5	6	7	8	9
	VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)							

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES A	1	2	3	4	5	6	7	8	9	COMMENTS
1.	BP-VPB-192-TB-20250217	QA		X	2/17/25	9:00	2		2									Trip blank
2.	BP-VPB-192-GW-825-827	AQ		X	2/17/25	12:45	4		3	1								
3.	BP-VPB-192-GW-840-842	AQ		X	2/18/25	9:45	2		2									
4.	BP-VPB-192-GW-860-862	AQ		X	2/18/25	12:40	3		2	1								
5.	BP-VPB-192-GW-880-882	AQ		X	2/19/25	9:50	4		4									
6.	BP-VPB-192-GW-900-902	AQ		X	2/19/25	12:50	3		2	1								
7.																		
8.																		
9.																		
10.																		

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	2/19/25 1530	1. 1530 2-20-25
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	1800 2-20-25	3.

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 2.1°
MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in Cooler?:_____
Comments: Standard TAT

Page 1 of 1

SHIPPED VIA: CLIENT: ❑ Hand Delivered ❑ Overnight
CHEMTECH: ❑ Picked Up ❑ Overnight

Shipment Complete ❑ YES ❑ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1401 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 2/20/2025 3:49:00 PM
Project Name : CTO WE13
Receive DateTime : 2/20/2025 6:00:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff : 2/21/2025 1:50:04 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q1401-01	BP-VPB-192-TB-20250217	Water	02/17/2025	09:00						
					VOCMS Group1		8260-Low	2 Bus. Days	02/28/2025	
Q1401-03	BP-VPB-192-GW-840-842	Water	02/18/2025	09:45						
					VOCMS Group1		8260-Low	2 Bus. Days	02/28/2025	
Q1401-06	BP-VPB-192-GW-900-902	Water	02/19/2025	12:50						
					VOCMS Group1		8260-Low	2 Bus. Days	02/28/2025	
Q1401-07	BP-VPB-192-GW-825-827	Solid	02/17/2025	12:45						
					VOCMS Group1		8260D	2 Bus. Days	02/28/2025	
Q1401-08	BP-VPB-192-GW-860-862	Solid	02/18/2025	12:40						
					VOCMS Group1		8260D	2 Bus. Days	02/28/2025	
Q1401-09	BP-VPB-192-GW-880-882	Solid	~~02/17/2025~~ 02/19/2025	09:50						
					VOCMS Group1		8260D	2 Bus. Days	02/28/2025	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1401 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 2/20/2025 3:49:00 PM
Project Name : CTO WE13
Receive DateTime : 2/20/2025 6:00:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff : 2/21/2025 1:50:04 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 2/28/25

Received By :
Date / Time : 2/28/25

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 11 01:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	134134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	254149	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	2473	1.259	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.520%#		
35) Dibromofluoromethane	5.379	113	2013	1.218	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.440%#		
50) Toluene-d8	8.653	98	6195	0.991	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	1.980%#		
62) 4-Bromofluorobenzene	11.085	95	1950	0.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	1.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	1655	0.880	ug/l	100
3) Chloromethane	1.307	50	2571	1.123	ug/l	94
4) Vinyl Chloride	1.374	62	2252	1.015	ug/l	96
5) Bromomethane	1.593	94	727	1.095	ug/l	91
6) Chloroethane	1.666	64	1341	2.609	ug/l	91
7) Trichlorofluoromethane	1.874	101	2849	1.016	ug/l	88
8) Diethyl Ether	2.130	74	1032	1.014	ug/l #	37
9) 1,1,2-Trichlorotrifluo...	2.325	101	1564	0.923	ug/l #	88
10) Methyl Iodide	2.447	142	1869	0.851	ug/l	99
11) Tert butyl alcohol	2.953	59	3020	8.291	ug/l #	78
12) 1,1-Dichloroethene	2.307	96	1737	1.005	ug/l	85
13) Acrolein	2.239	56	2228	5.928	ug/l	100
14) Allyl chloride	2.654	41	3164	1.013	ug/l	90
15) Acrylonitrile	3.069	53	4527	4.655	ug/l	95
16) Acetone	2.380	43	4095	5.188	ug/l	92
17) Carbon Disulfide	2.502	76	4531	0.956	ug/l #	88
18) Methyl Acetate	2.697	43	2367	0.950	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	5206	0.946	ug/l #	87
20) Methylene Chloride	2.782	84	2005	1.037	ug/l #	90
21) trans-1,2-Dichloroethene	3.087	96	1631	0.959	ug/l	96
22) Diisopropyl ether	3.764	45	5496	0.930	ug/l #	75
23) Vinyl Acetate	3.727	43	20663	4.288	ug/l	99
24) 1,1-Dichloroethane	3.605	63	3099	0.937	ug/l #	93
25) 2-Butanone	4.587	43	5660	4.416	ug/l	93
26) 2,2-Dichloropropane	4.471	77	2566	0.978	ug/l	76
27) cis-1,2-Dichloroethene	4.489	96	1825	0.893	ug/l	91
28) Bromochloromethane	4.910	49	1702	1.071	ug/l #	75
29) Tetrahydrofuran	5.026	42	4014	4.716	ug/l	99
30) Chloroform	5.093	83	3132	0.976	ug/l	94
31) Cyclohexane	5.458	56	2960	0.971	ug/l #	80
32) 1,1,1-Trichloroethane	5.379	97	2721	1.000	ug/l #	50
36) 1,1-Dichloropropene	5.684	75	2399	1.006	ug/l	94
37) Ethyl Acetate	4.721	43	1004	0.379	ug/l #	72
38) Carbon Tetrachloride	5.666	117	2322	0.994	ug/l #	74
39) Methylcyclohexane	7.379	83	2589	0.840	ug/l	96
40) Benzene	6.038	78	6963	0.935	ug/l	94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 11 01:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	621	0.438	ug/l	#	29
42) 1,2-Dichloroethane	6.099	62	2120	0.894	ug/l		84
43) Isopropyl Acetate	6.355	43	3839	0.897	ug/l	#	88
44) Trichloroethene	7.135	130	1487	0.874	ug/l		76
45) 1,2-Dichloropropane	7.440	63	1746	0.943	ug/l	#	86
46) Dibromomethane	7.592	93	1202	0.936	ug/l		95
47) Bromodichloromethane	7.818	83	2176	0.875	ug/l		93
48) Methyl methacrylate	7.720	41	1675	0.830	ug/l		92
49) 1,4-Dioxane	7.696	88	867	20.015	ug/l	#	85
51) 4-Methyl-2-Pentanone	8.574	43	11169	4.290	ug/l		96
52) Toluene	8.714	92	3943	0.889	ug/l		100
53) t-1,3-Dichloropropene	8.994	75	2119	0.842	ug/l		90
54) cis-1,3-Dichloropropene	8.366	75	2300	0.820	ug/l	#	86
55) 1,1,2-Trichloroethane	9.153	97	1558	0.914	ug/l	#	86
56) Ethyl methacrylate	9.128	69	2346	0.852	ug/l	#	84
57) 1,3-Dichloropropane	9.311	76	2699	0.905	ug/l		95
58) 2-Chloroethyl Vinyl ether	8.251	63	5401	3.996	ug/l		97
59) 2-Hexanone	9.439	43	7952	4.240	ug/l		95
60) Dibromochloromethane	9.525	129	1613	0.885	ug/l		96
61) 1,2-Dibromoethane	9.610	107	1534	0.888	ug/l		97
64) Tetrachloroethene	9.275	164	1339	0.971	ug/l		91
65) Chlorobenzene	10.080	112	4234	0.902	ug/l		93
66) 1,1,1,2-Tetrachloroethane	10.165	131	1320	0.874	ug/l	#	64
67) Ethyl Benzene	10.195	91	7388	0.892	ug/l		98
68) m/p-Xylenes	10.299	106	5387	1.763	ug/l		100
69) o-Xylene	10.640	106	2889	0.942	ug/l		97
70) Styrene	10.659	104	3974	0.804	ug/l		97
71) Bromoform	10.799	173	813	0.721	ug/l	#	95
73) Isopropylbenzene	10.964	105	6778	0.928	ug/l		99
74) N-amyl acetate	10.848	43	2596	0.785	ug/l		95
75) 1,1,2,2-Tetrachloroethane	11.207	83	2594	1.033	ug/l		94
76) 1,2,3-Trichloropropane	11.238	75	2567	1.276	ug/l		82
77) Bromobenzene	11.201	156	1537	0.928	ug/l		90
78) n-propylbenzene	11.305	91	7347	0.871	ug/l		98
79) 2-Chlorotoluene	11.366	91	5188	1.001	ug/l		96
80) 1,3,5-Trimethylbenzene	11.451	105	5410	0.913	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.024	75	587	0.751	ug/l	#	79
82) 4-Chlorotoluene	11.457	91	5367	0.936	ug/l		99
83) tert-Butylbenzene	11.713	119	5620	0.937	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	4876	0.833	ug/l		88
85) sec-Butylbenzene	11.890	105	6700	0.902	ug/l		99
86) p-Isopropyltoluene	12.006	119	5161	0.864	ug/l		90
87) 1,3-Dichlorobenzene	11.969	146	2933	0.963	ug/l		97
88) 1,4-Dichlorobenzene	11.969	146	2933	0.952	ug/l		99
89) n-Butylbenzene	12.335	91	3880	0.734	ug/l		93
90) Hexachloroethane	12.536	117	968	0.866	ug/l		98
91) 1,2-Dichlorobenzene	12.341	146	2744	0.917	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	367	0.801	ug/l		95
93) 1,2,4-Trichlorobenzene	13.591	180	1560	0.861	ug/l		86
94) Hexachlorobutadiene	13.725	225	695	0.966	ug/l		99
95) Naphthalene	13.780	128	5125	0.783	ug/l		99
96) 1,2,3-Trichlorobenzene	13.969	180	1557	0.853	ug/l		93

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 11 01:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

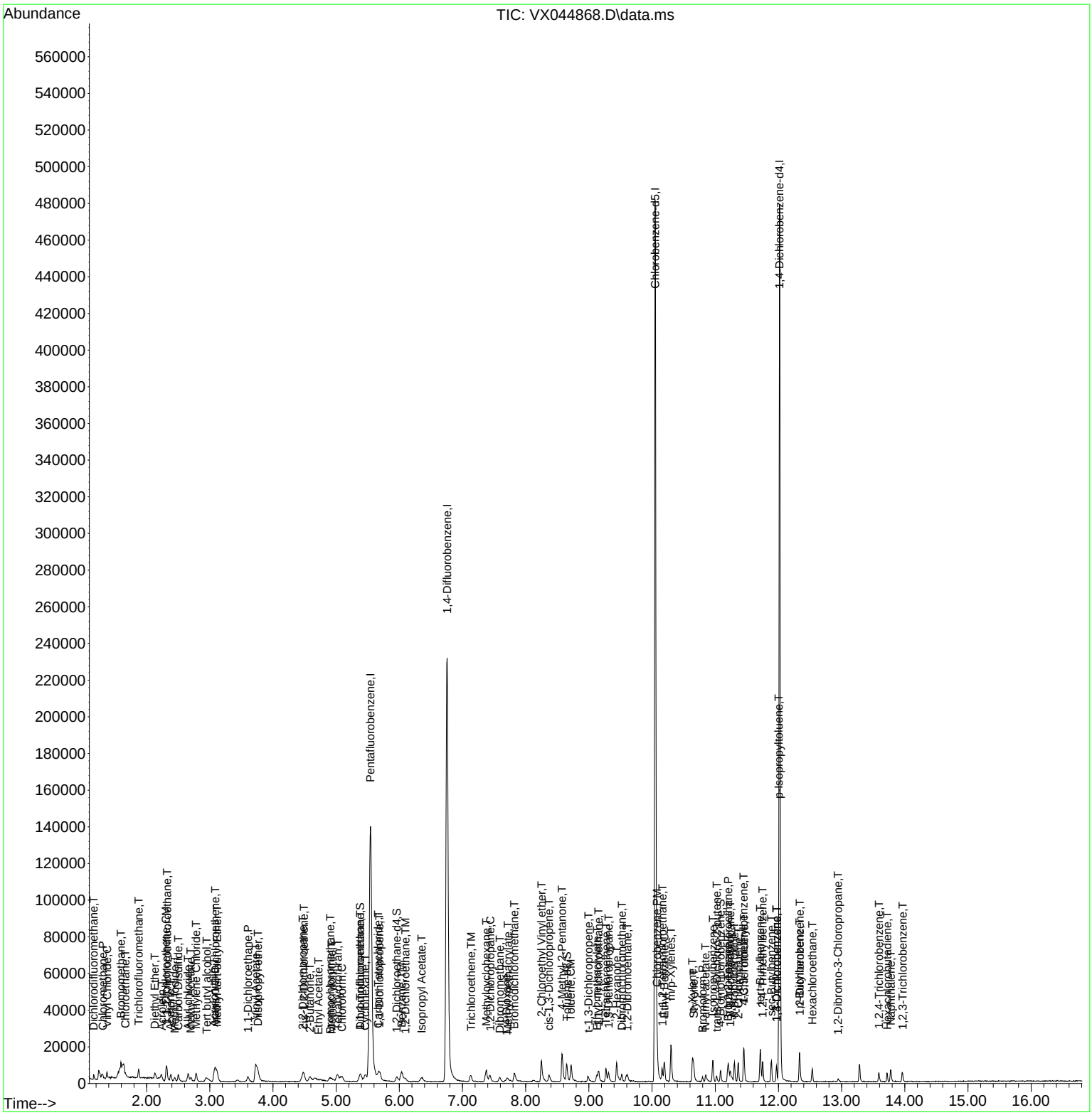
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

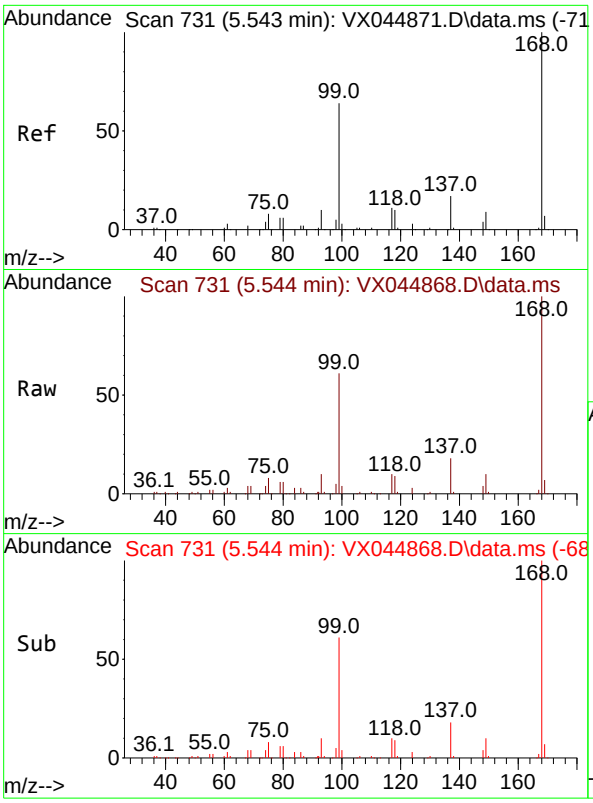
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 11 01:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration



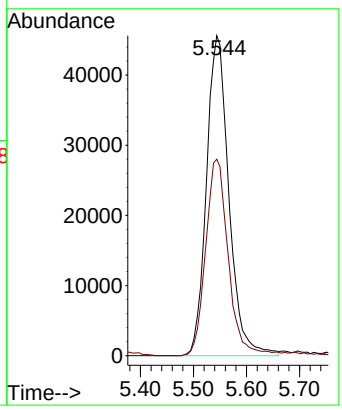


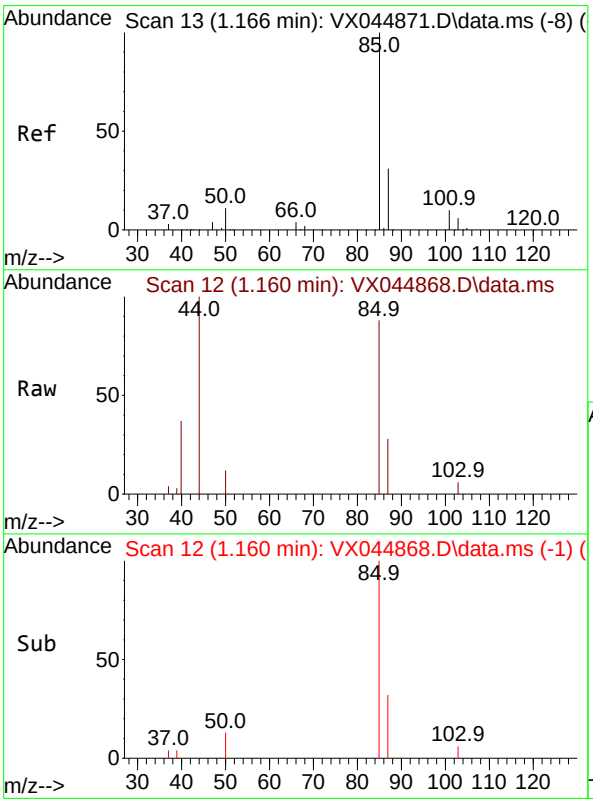
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 134134

Ion	Ratio	Lower	Upper
168	100		
99	61.4	51.2	76.8

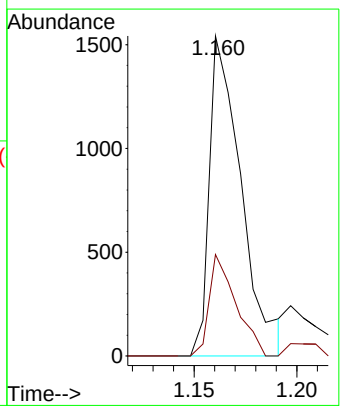


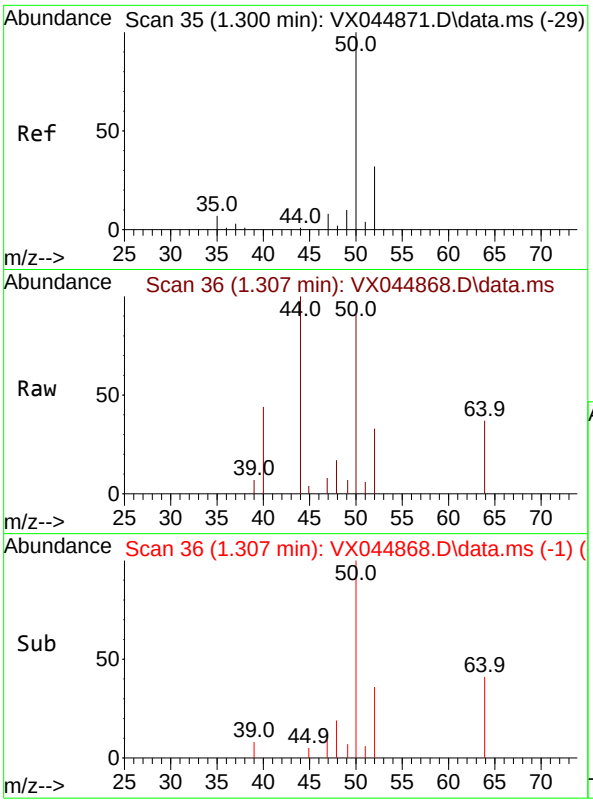


#2
Dichlorodifluoromethane
Concen: 0.880 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 85 Resp: 1655

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.8	47.3



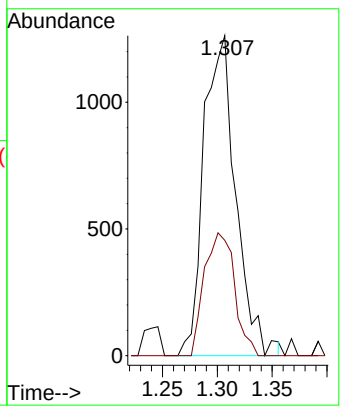


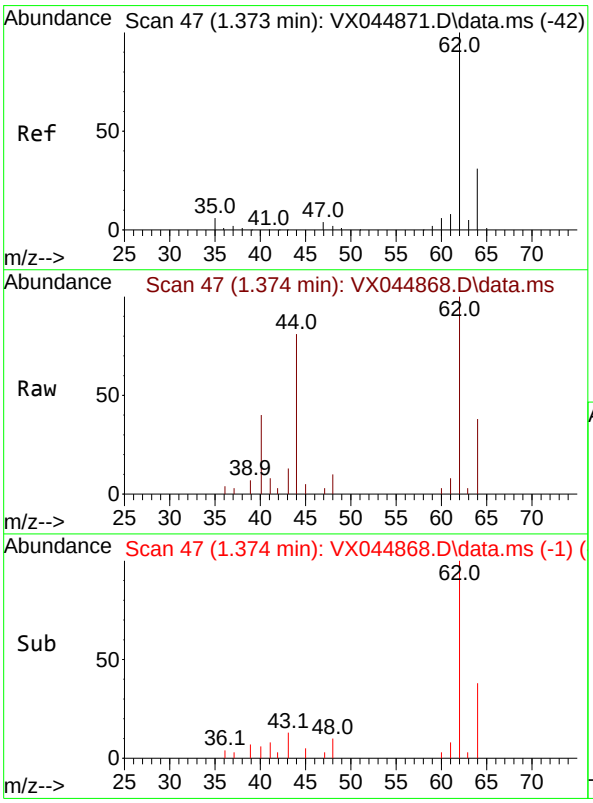
#3
Chloromethane
Concen: 1.123 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2571

Ion	Ratio	Lower	Upper
50	100		
52	36.0	25.9	38.9

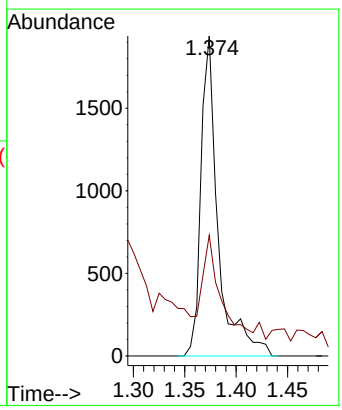


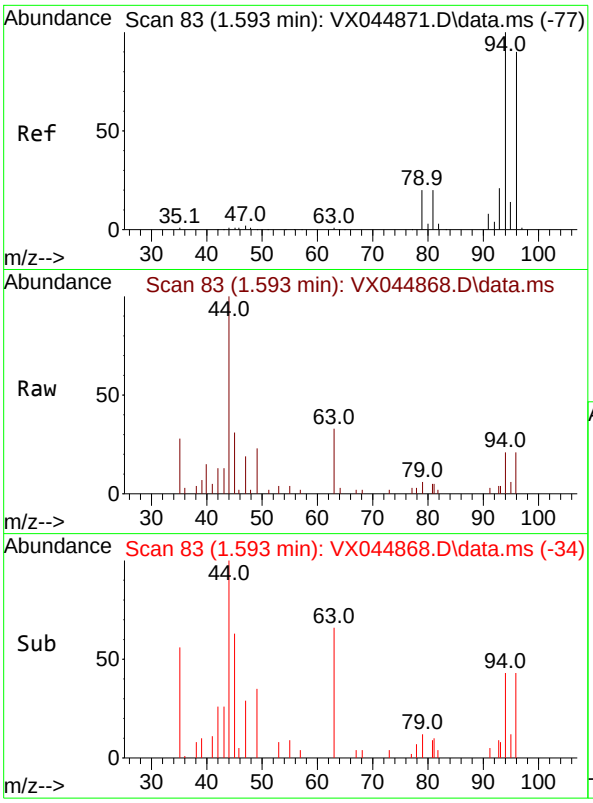


#4
Vinyl Chloride
Concen: 1.015 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 62 Resp: 2252

Ion	Ratio	Lower	Upper
62	100		
64	29.4	25.4	38.0



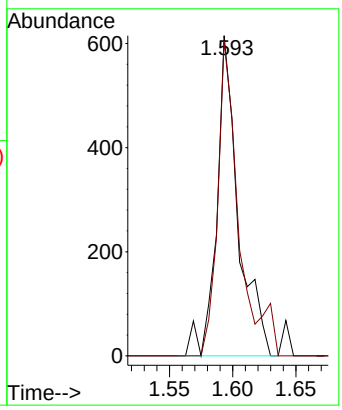


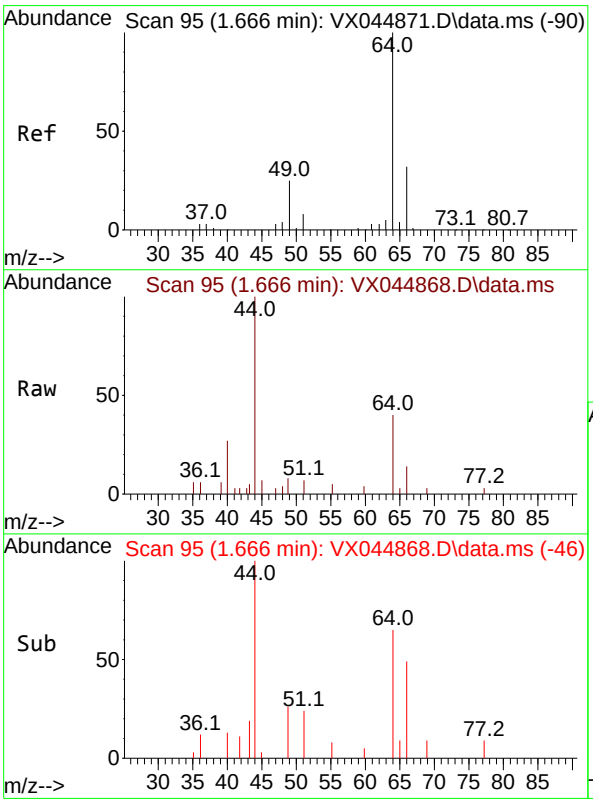
#5
Bromomethane
Concen: 1.095 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 727

Ion	Ratio	Lower	Upper
94	100		
96	98.4	71.6	107.4

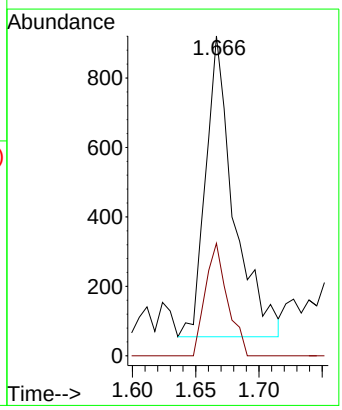


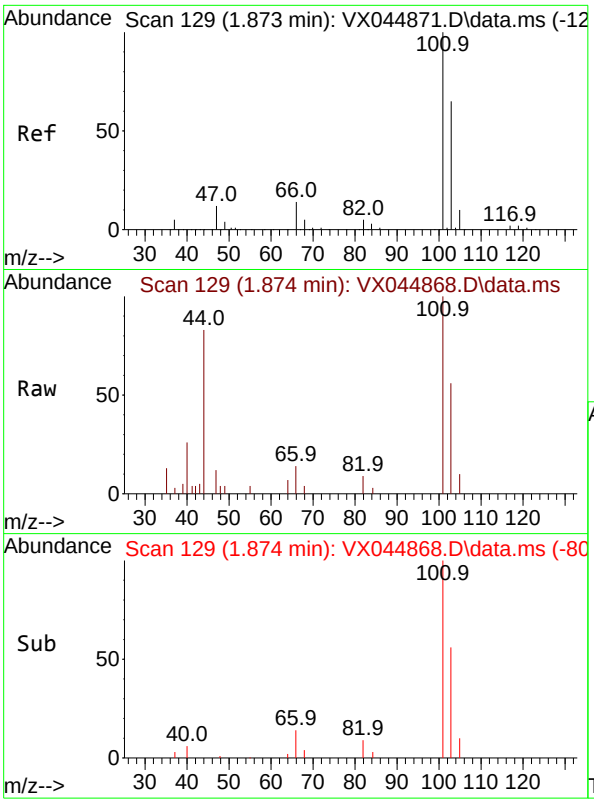


#6
Chloroethane
Concen: 2.609 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 64 Resp: 1341

Ion	Ratio	Lower	Upper
64	100		
66	37.4	25.9	38.9



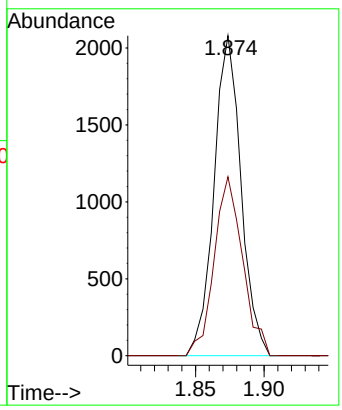


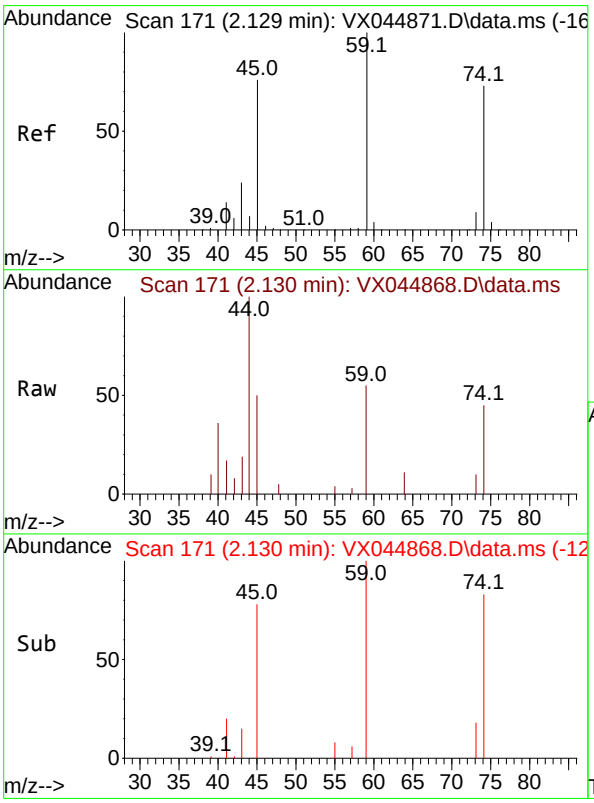
#7
Trichlorofluoromethane
Concen: 1.016 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2849

Ion	Ratio	Lower	Upper
101	100		
103	55.9	52.4	78.6

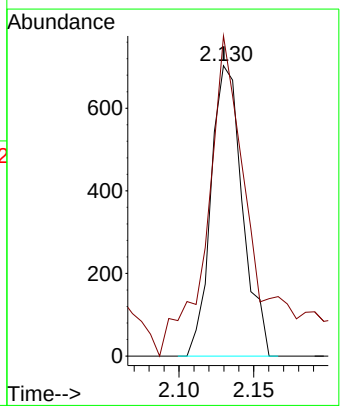


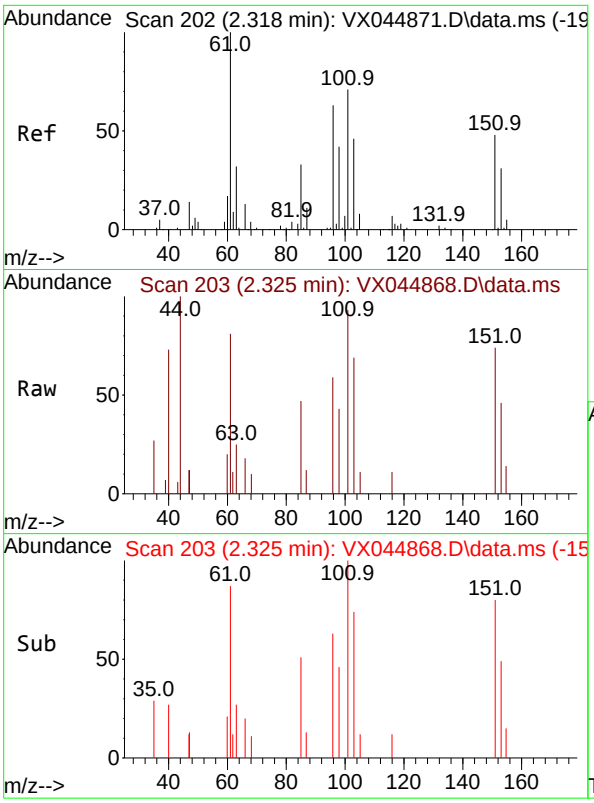


#8
Diethyl Ether
Concen: 1.014 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 74 Resp: 1032

Ion	Ratio	Lower	Upper
74	100		
45	166.1	51.1	153.4#



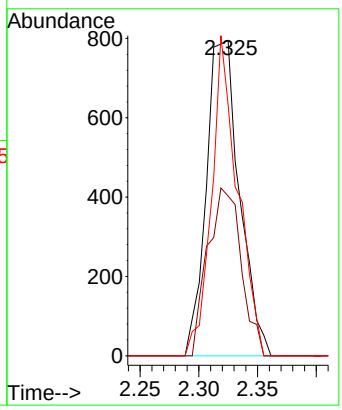


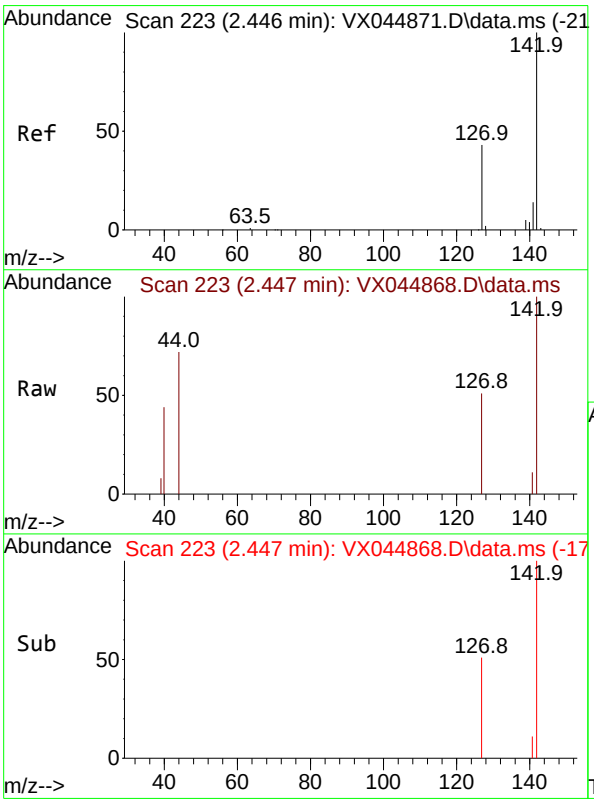
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.923 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1564

Ion	Ratio	Lower	Upper
101	100		
85	53.6	35.7	53.5#
151	79.3	56.0	84.0

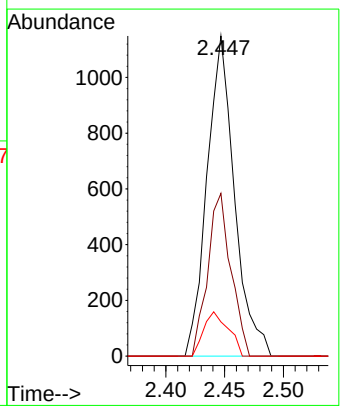


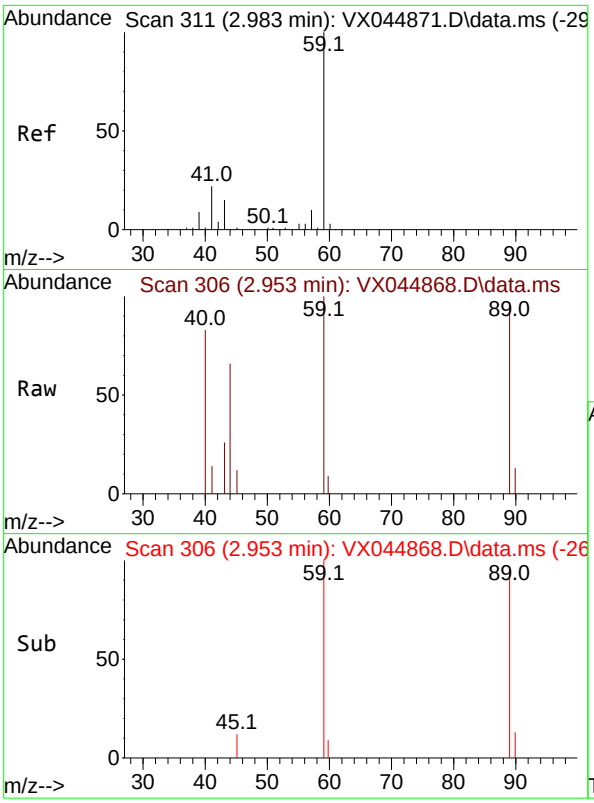


#10
Methyl Iodide
Concen: 0.851 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:142 Resp: 1869

Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.3	51.5
141	12.4	11.4	17.2



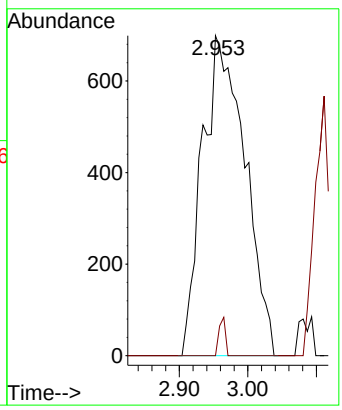


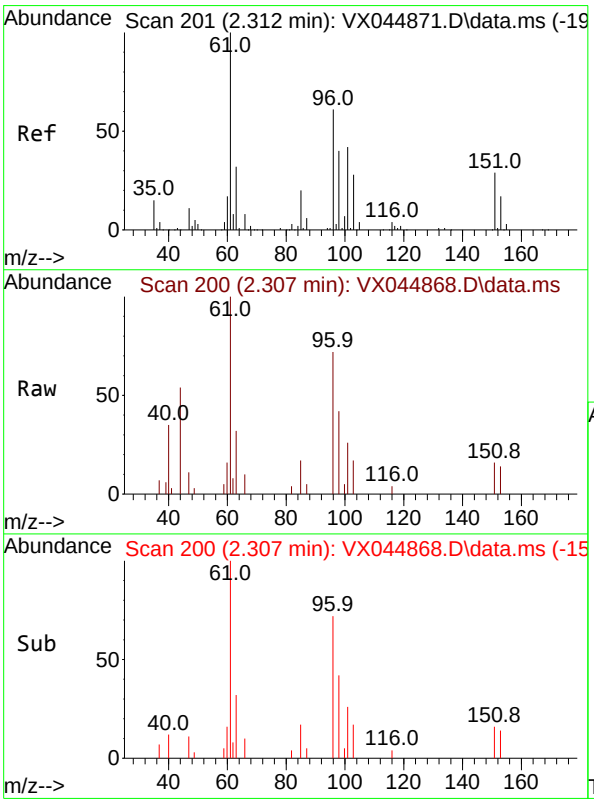
#11
Tert butyl alcohol
Concen: 8.291 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.030 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 3020

Ion	Ratio	Lower	Upper
59	100		
57	1.8	8.1	12.1#

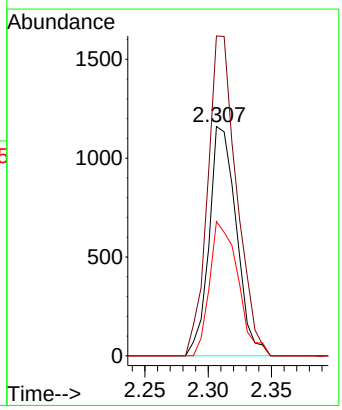


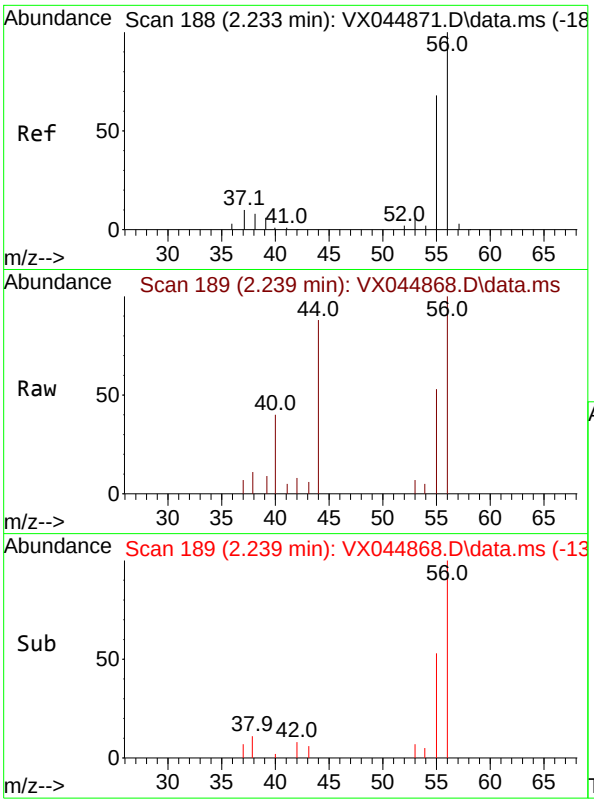


#12
1,1-Dichloroethene
Concen: 1.005 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 96 Resp: 1737

Ion	Ratio	Lower	Upper
96	100		
61	139.5	130.2	195.4
98	58.5	52.2	78.4



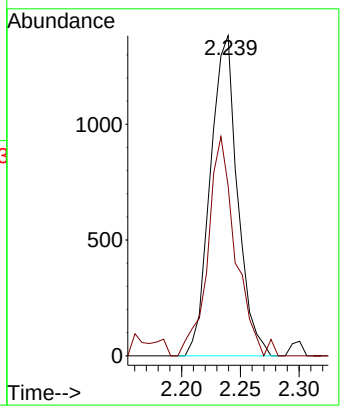


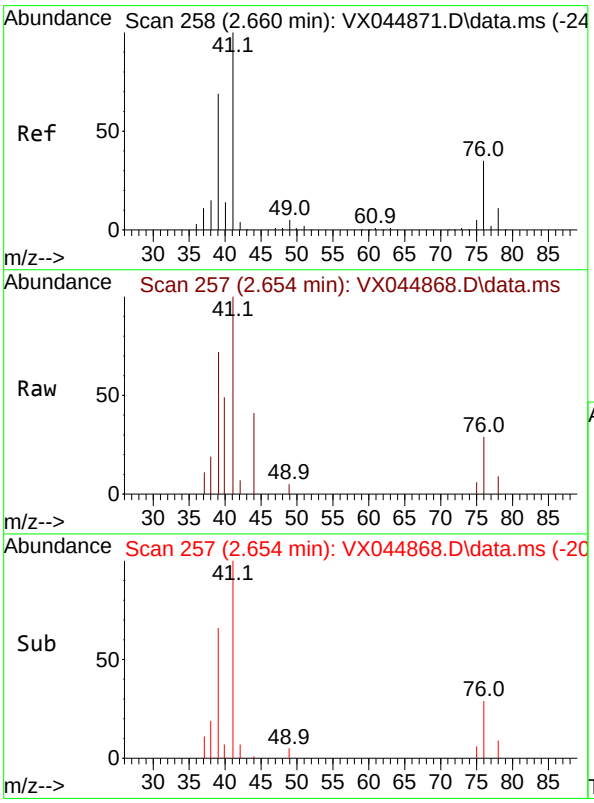
#13
Acrolein
Concen: 5.928 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2228

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.7	83.5

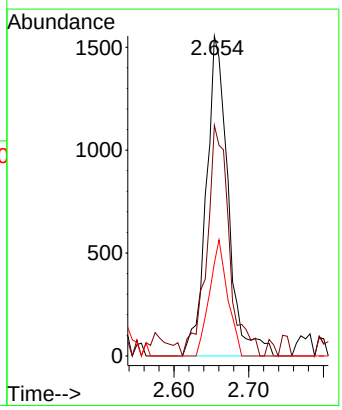


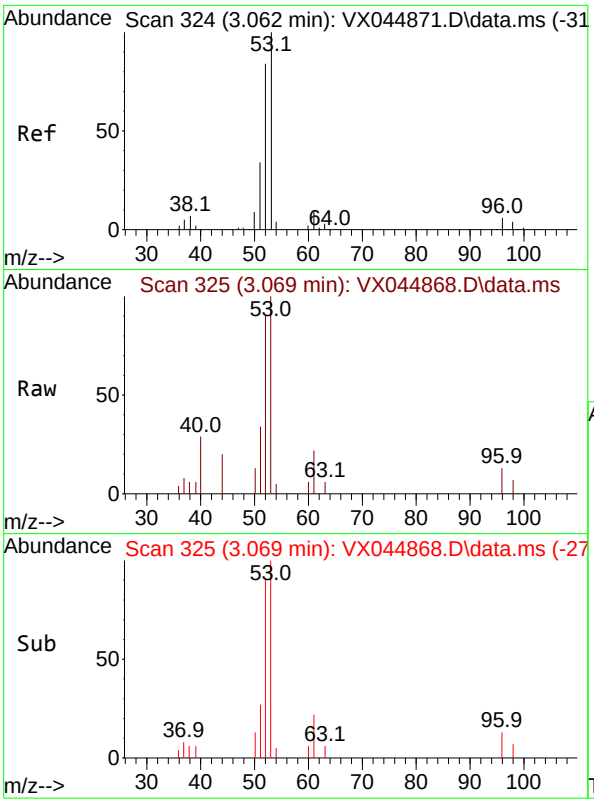


#14
Allyl chloride
Concen: 1.013 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 3164

Ion	Ratio	Lower	Upper
41	100		
39	73.5	51.4	77.2
76	29.9	27.0	40.4



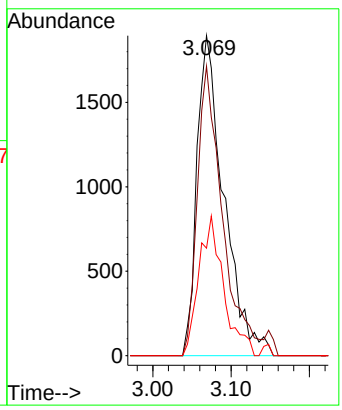


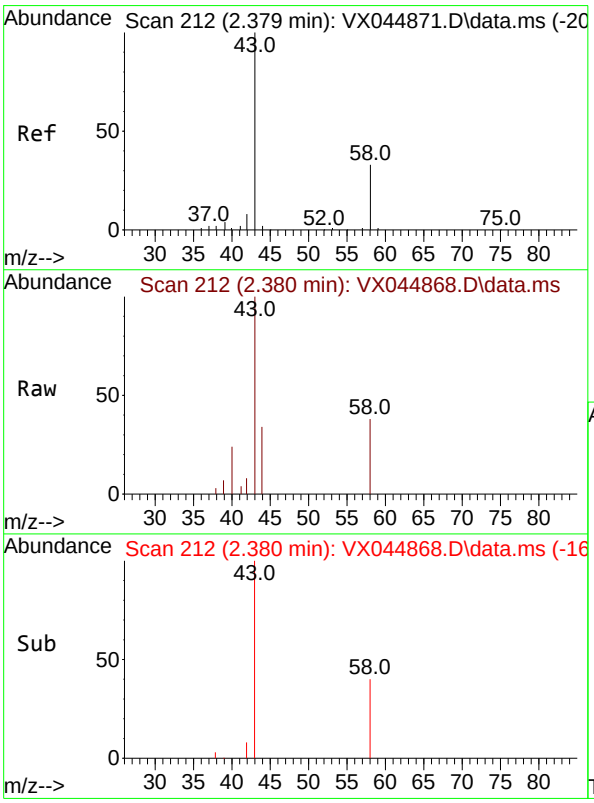
#15
Acrylonitrile
Concen: 4.655 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4527

Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.0	97.6
51	40.0	28.0	42.0

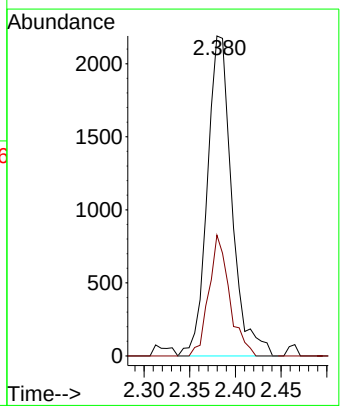


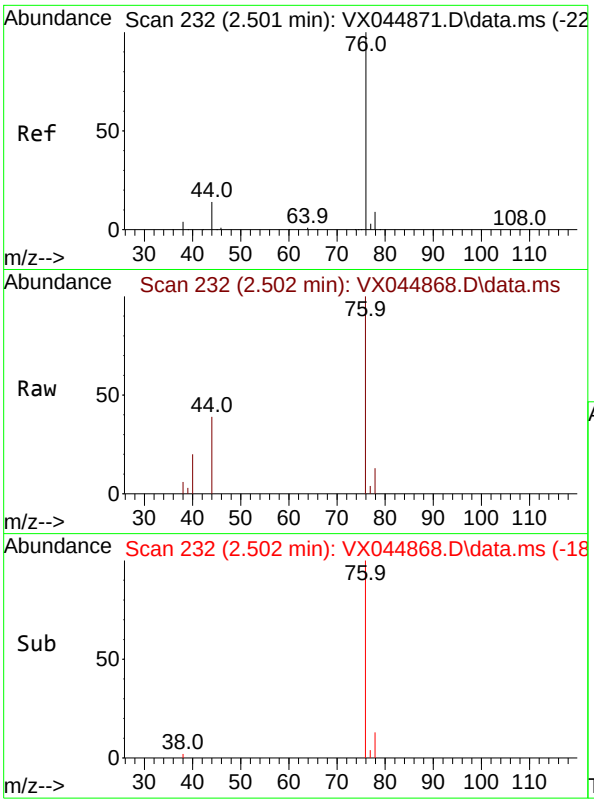


#16
Acetone
Concen: 5.188 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 4095

Ion	Ratio	Lower	Upper
43	100		
58	37.8	26.5	39.7



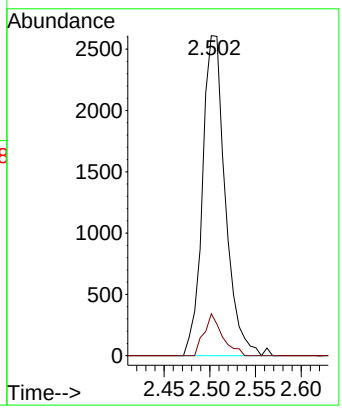


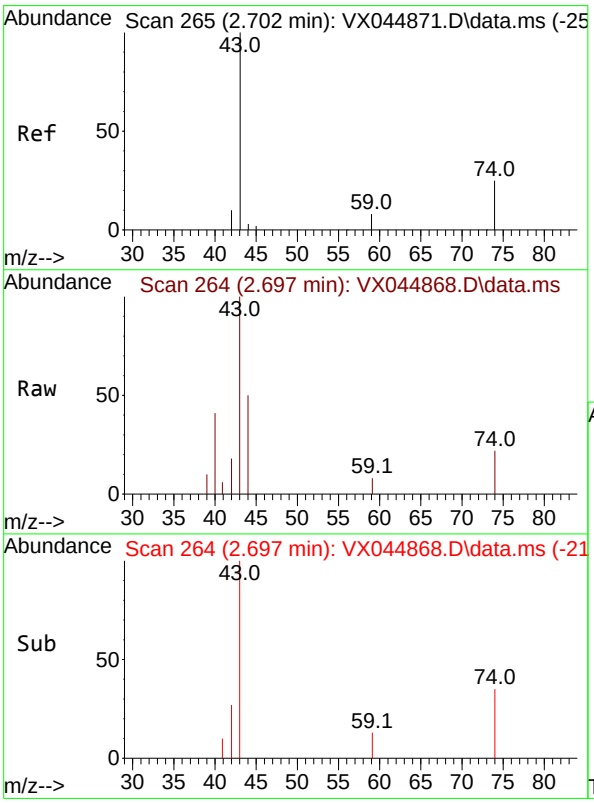
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 4531

Ion	Ratio	Lower	Upper
76	100		
78	13.1	7.0	10.4#

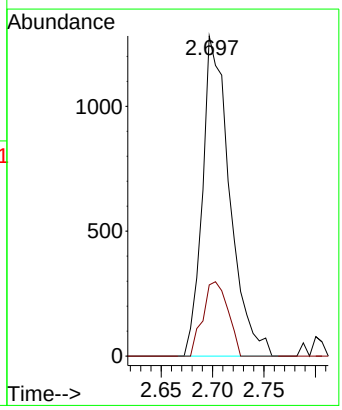


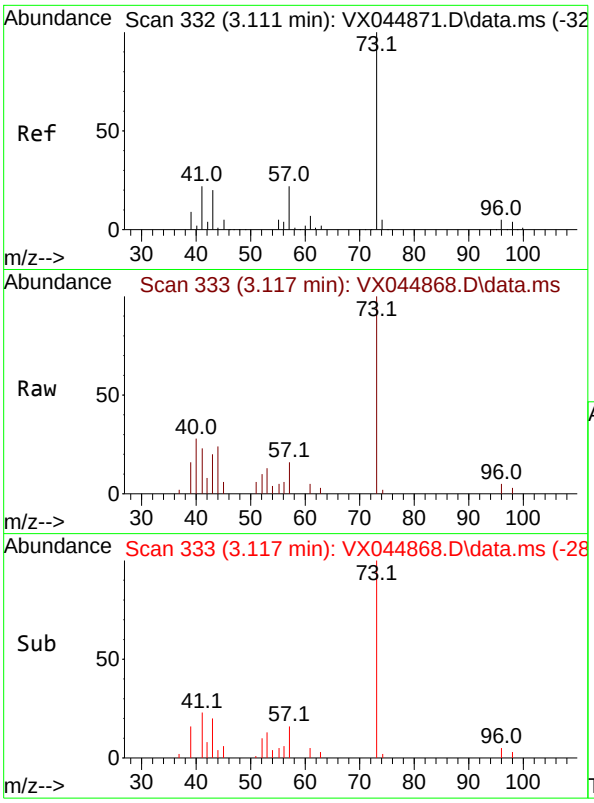


#18
Methyl Acetate
Concen: 0.950 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2367

Ion	Ratio	Lower	Upper
43	100		
74	21.3	18.9	28.3



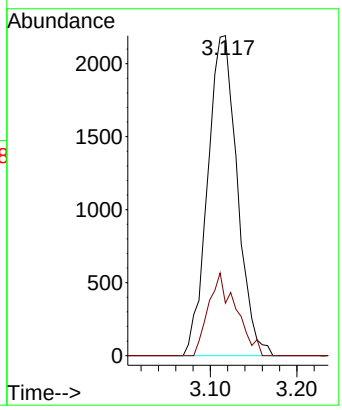


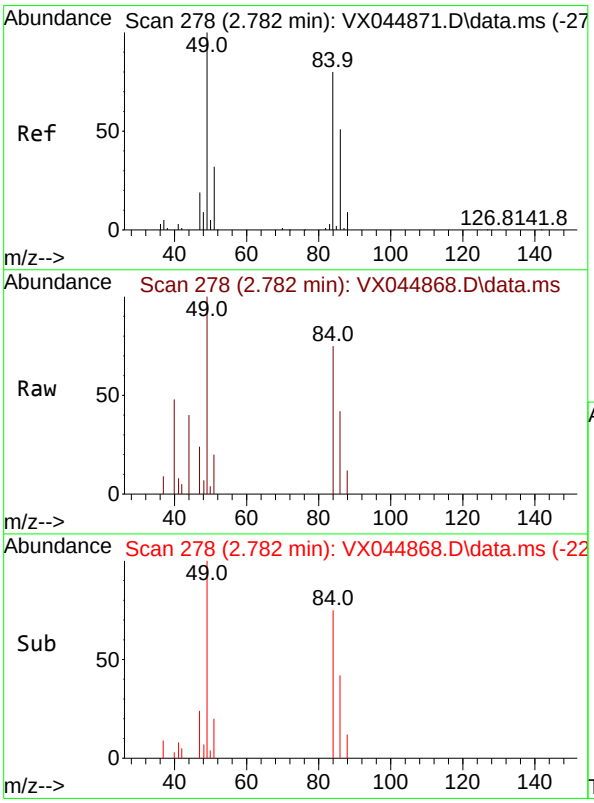
#19
Methyl tert-butyl Ether
Concen: 0.946 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 5206

Ion	Ratio	Lower	Upper
73	100		
57	16.4	17.9	26.9#

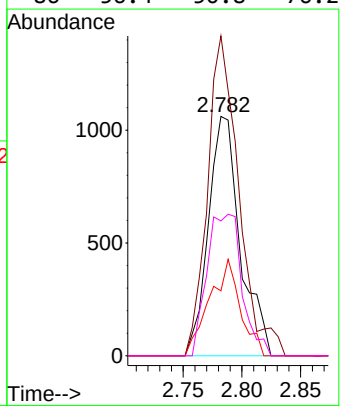


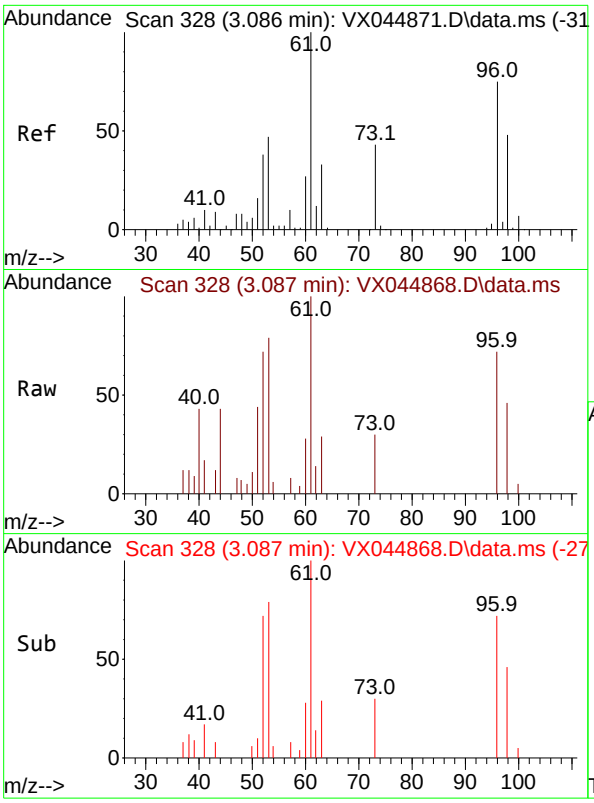


#20
Methylene Chloride
Concen: 1.037 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 84 Resp: 2005

Ion	Ratio	Lower	Upper
84	100		
49	133.6	100.1	150.1
51	27.1	31.7	47.5#
86	56.4	50.8	76.2



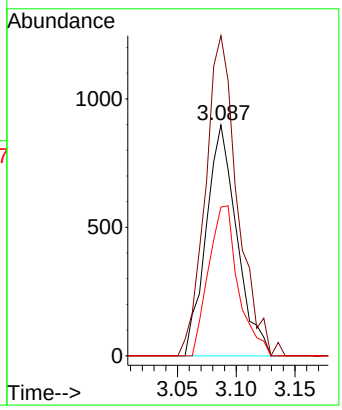


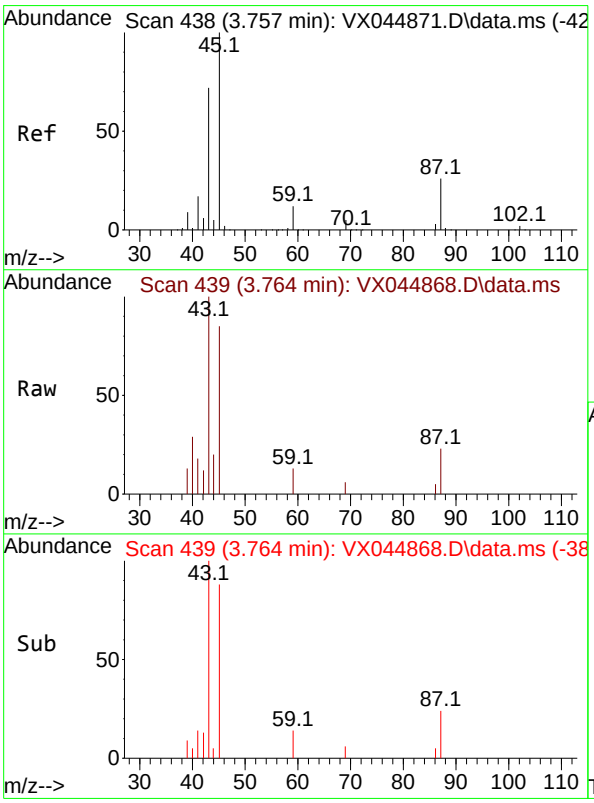
#21
trans-1,2-Dichloroethene
Concen: 0.959 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1631

Ion	Ratio	Lower	Upper
96	100		
61	138.8	106.0	159.0
98	64.5	50.6	76.0

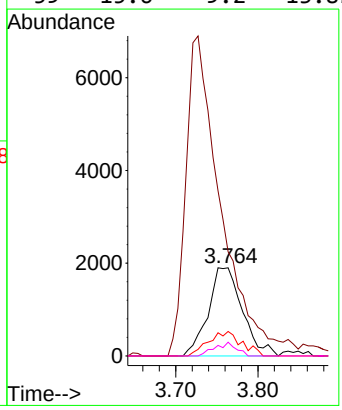


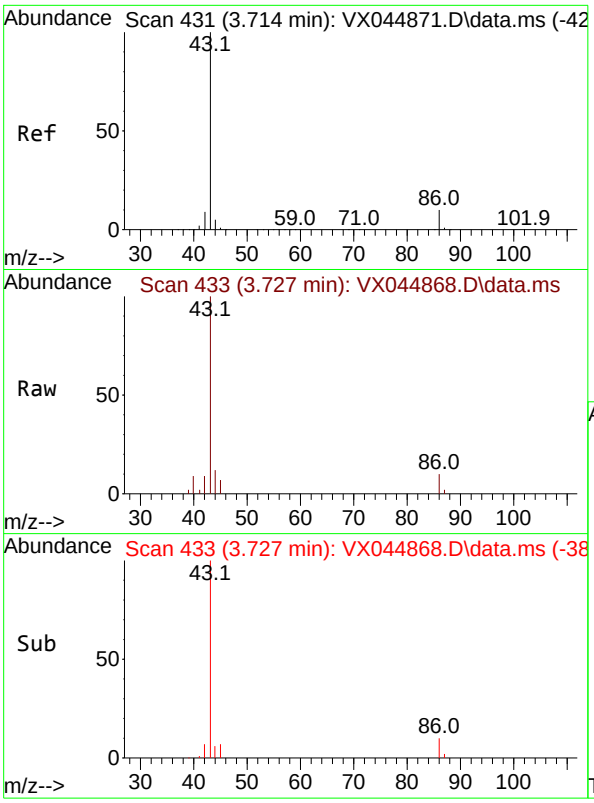


#22
Diisopropyl ether
Concen: 0.930 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 45 Resp: 5496

Ion	Ratio	Lower	Upper
45	100		
43	101.2	58.0	87.0#
87	27.8	20.7	31.1
59	15.6	9.2	13.8#



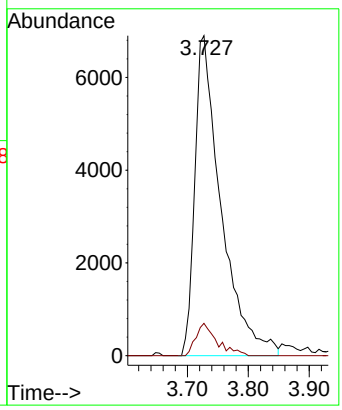


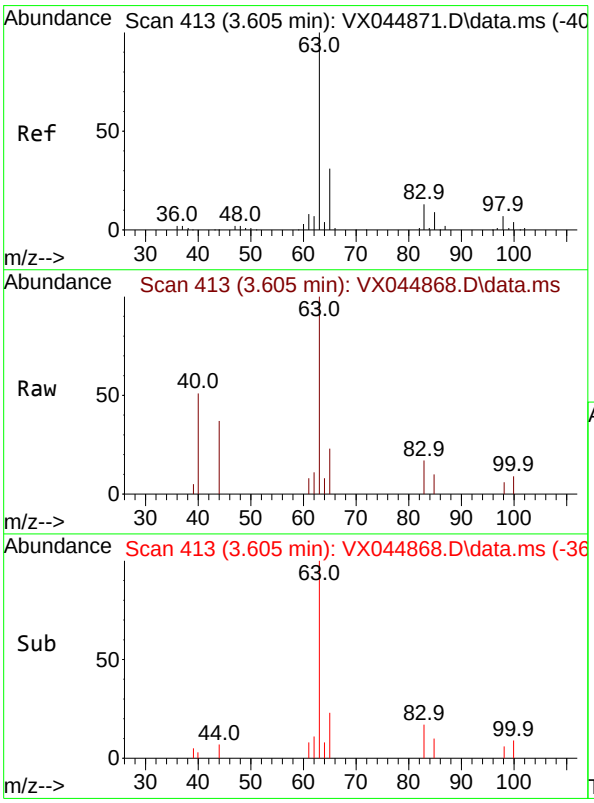
#23
Vinyl Acetate
Concen: 4.288 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 20663

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.3	12.5

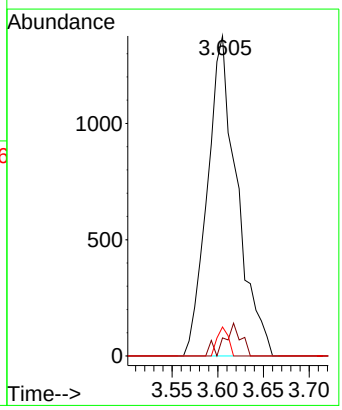


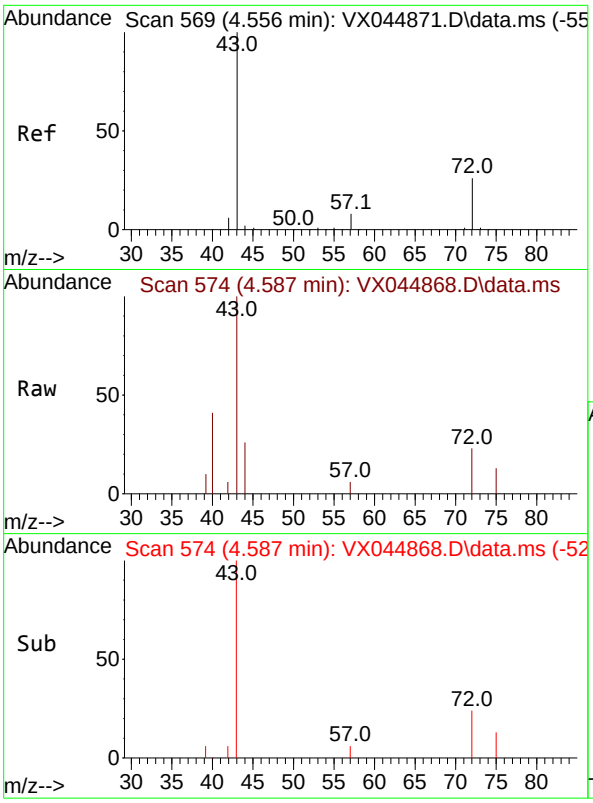


#24
1,1-Dichloroethane
Concen: 0.937 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 63 Resp: 3099

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.3	9.9
100	9.1	2.1	6.5#



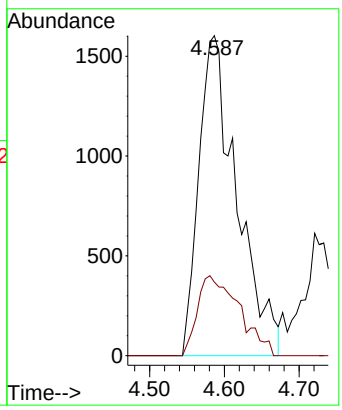


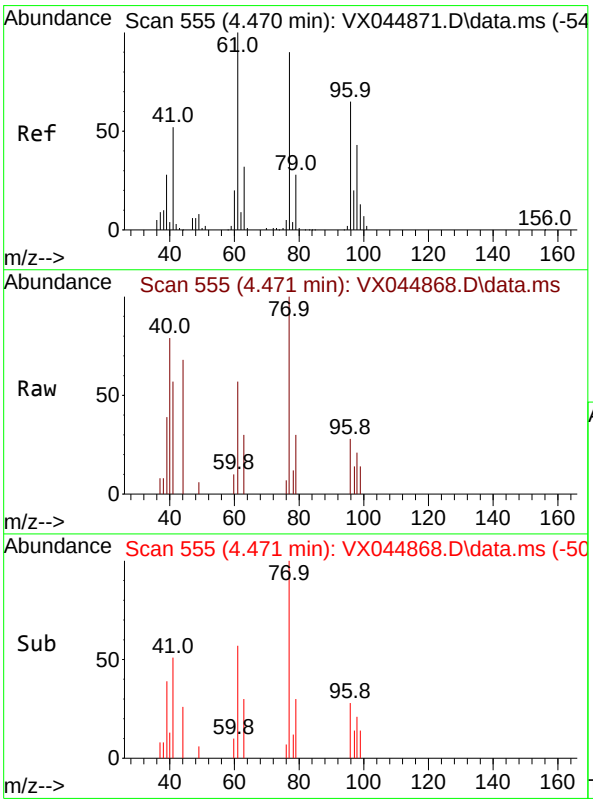
#25
2-Butanone
Concen: 4.416 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.031 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 5660

Ion	Ratio	Lower	Upper
43	100		
72	23.0	21.2	31.8

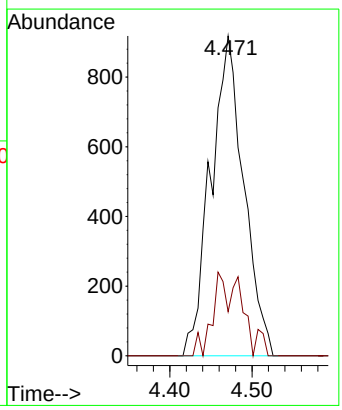


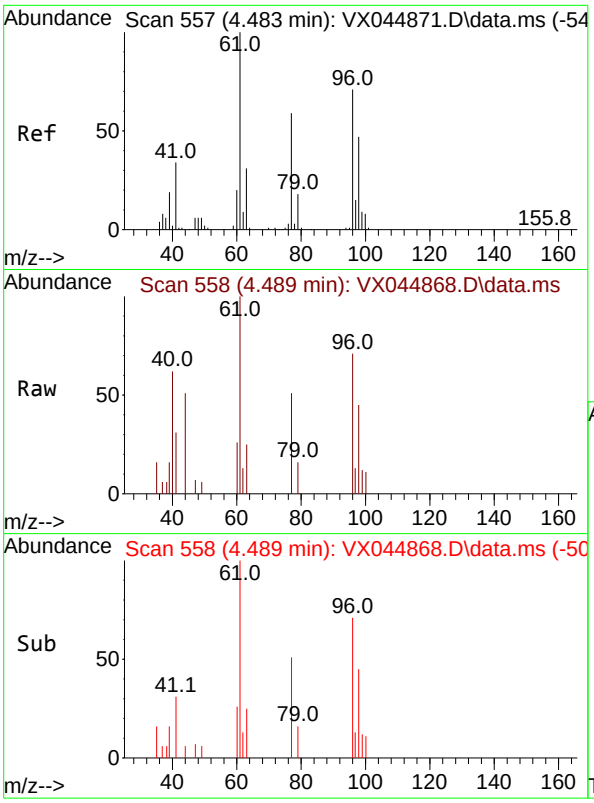


#26
2,2-Dichloropropane
Concen: 0.978 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 77 Resp: 2566

Ion	Ratio	Lower	Upper
77	100		
97	11.8	11.8	35.3



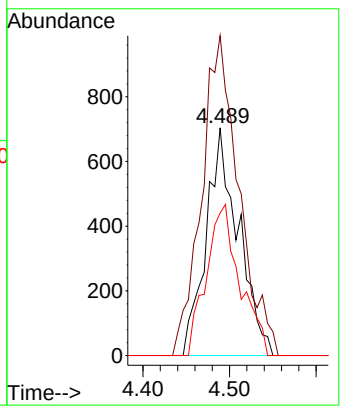


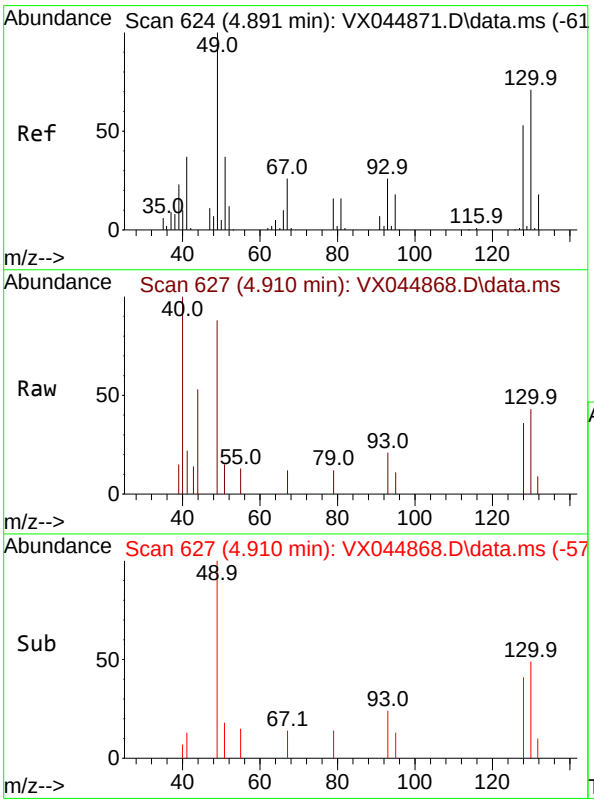
#27
cis-1,2-Dichloroethene
Concen: 0.893 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1825

Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	294.0
98	68.9	0.0	131.2

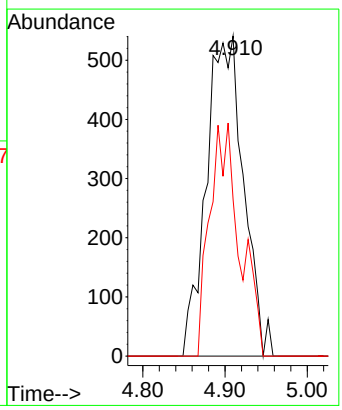


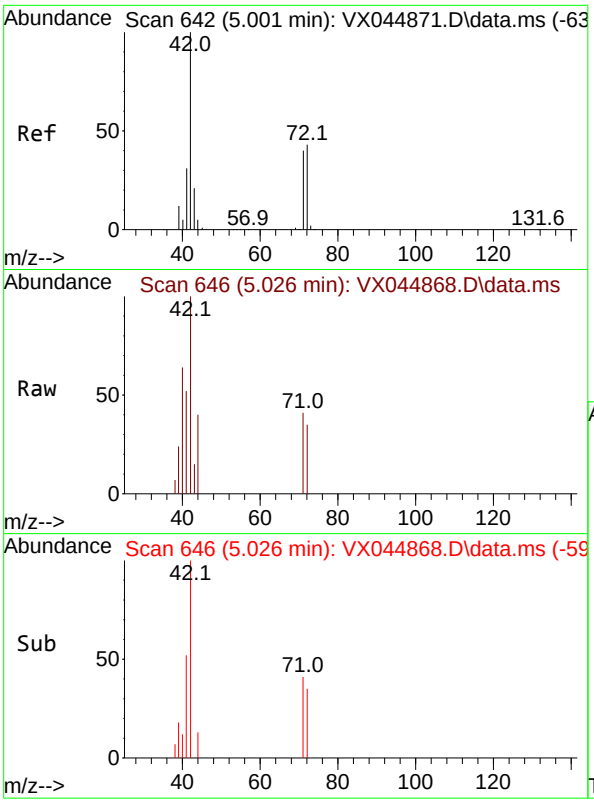


#28
Bromochloromethane
Concen: 1.071 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 49 Resp: 1702

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	49.6	56.7	85.1#



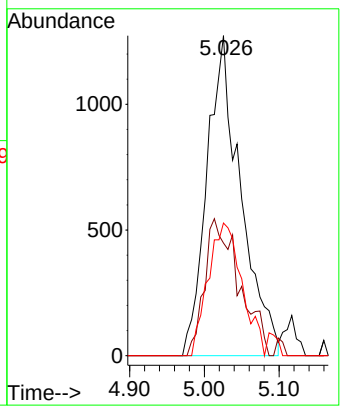


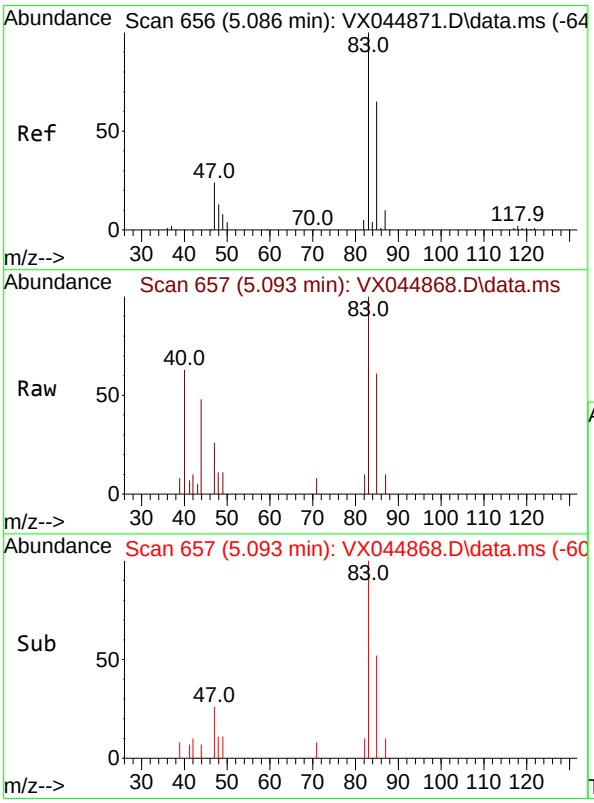
#29
Tetrahydrofuran
Concen: 4.716 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.025 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 4014

Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.0	52.4
71	41.3	32.6	48.8

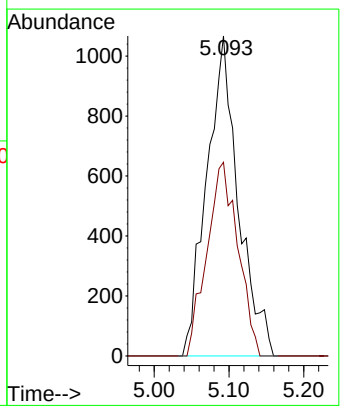


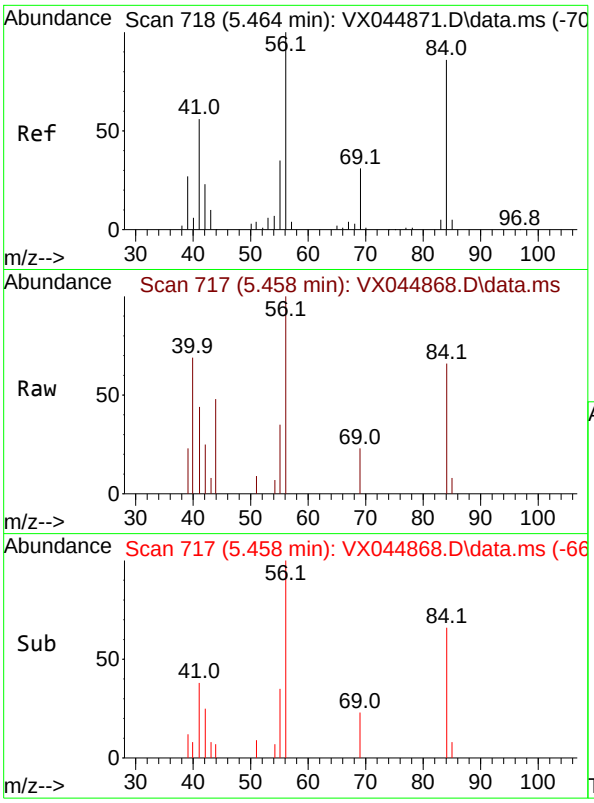


#30
Chloroform
Concen: 0.976 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 83 Resp: 3132

Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.1	78.1



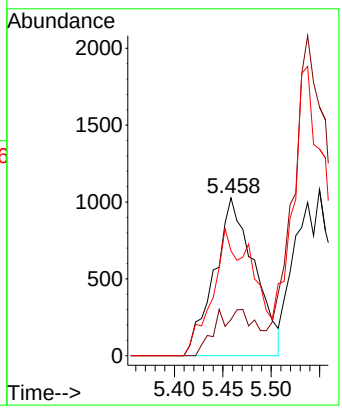


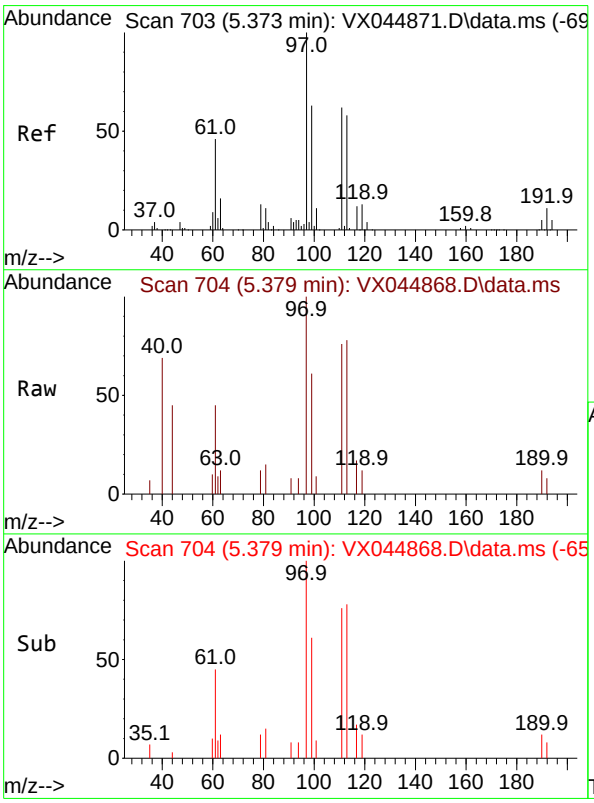
#31
Cyclohexane
Concen: 0.971 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2960

Ion	Ratio	Lower	Upper
56	100		
69	23.0	24.4	36.6#
84	66.4	69.0	103.6#

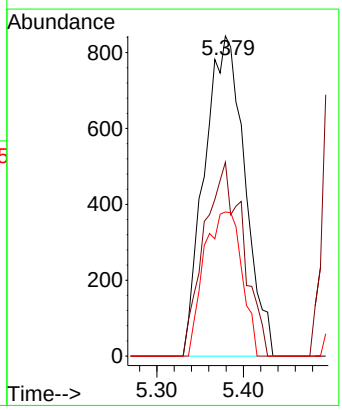


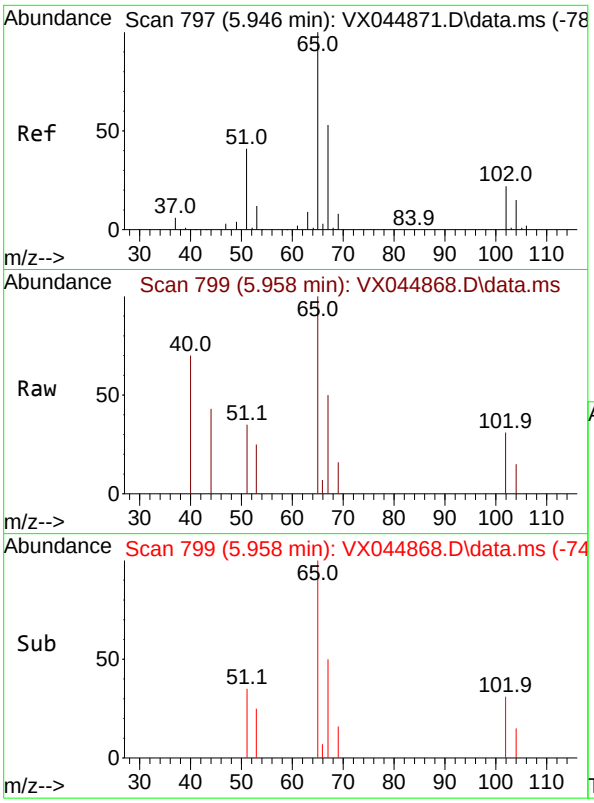


#32
1,1,1-Trichloroethane
Concen: 1.000 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 97 Resp: 2721

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	42.2	36.6	55.0



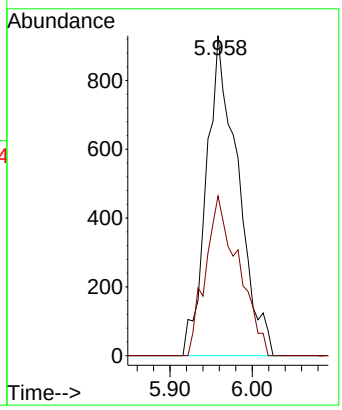


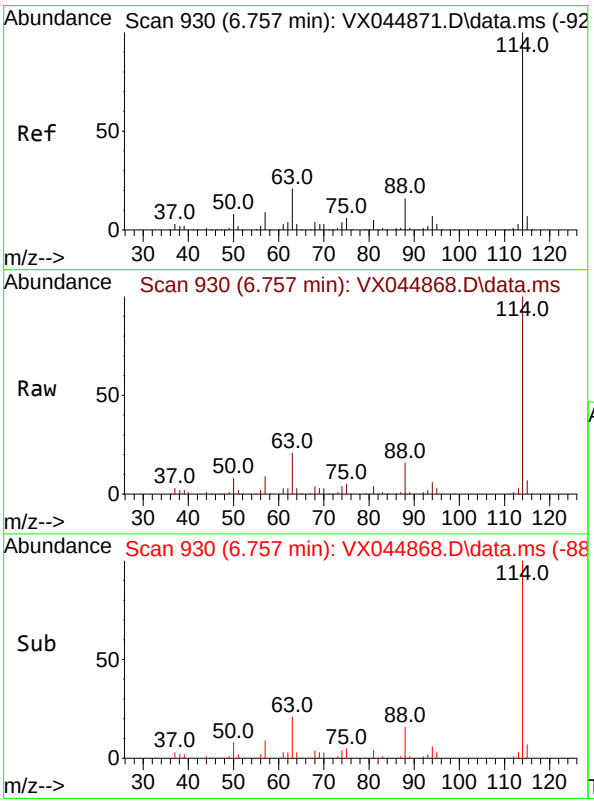
#33
1,2-Dichloroethane-d4
Concen: 1.259 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2473

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	108.2

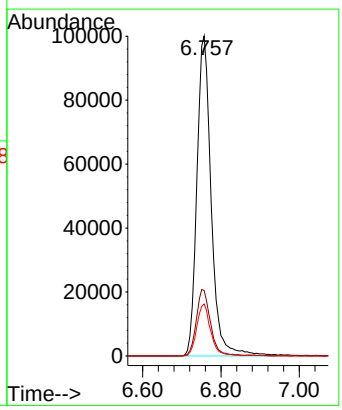


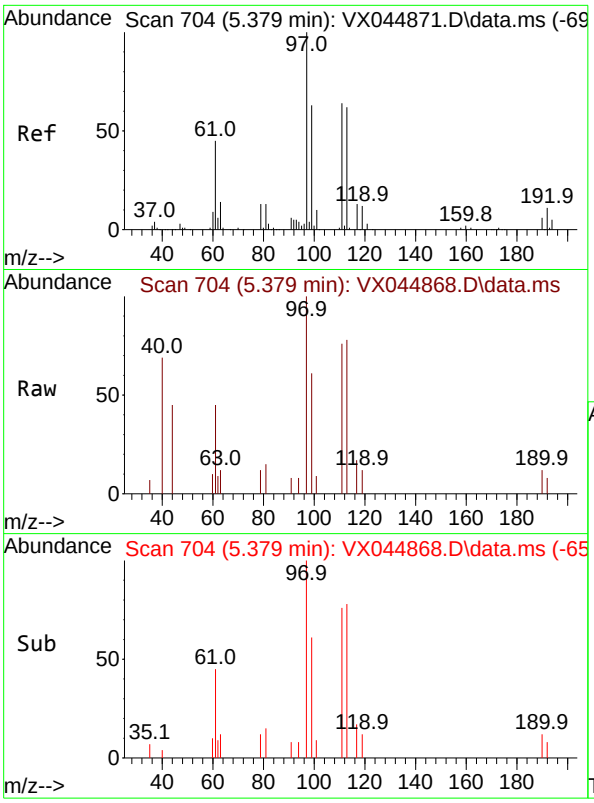


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:114 Resp: 254149

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.4
88	16.3	0.0	31.4



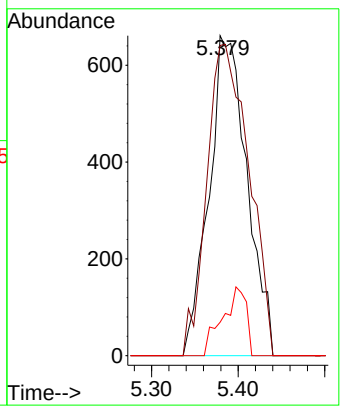


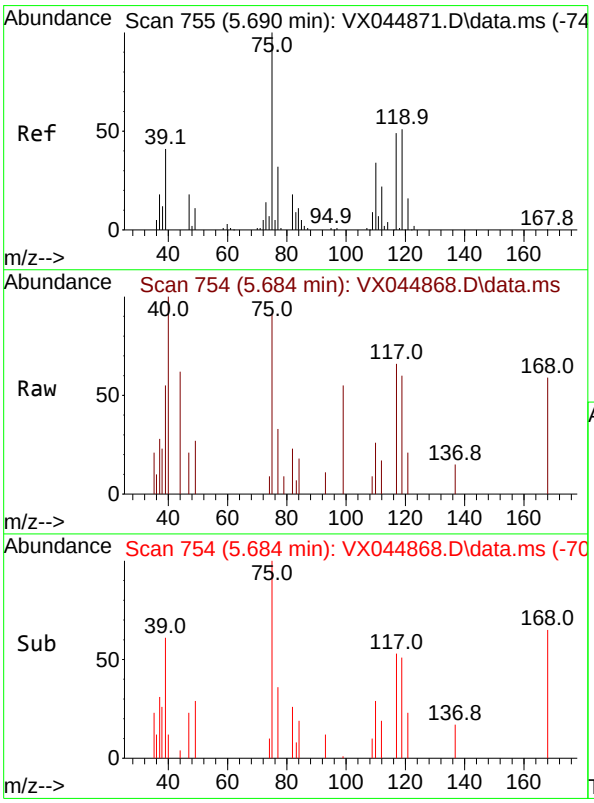
#35
Dibromofluoromethane
Concen: 1.218 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 2013

Ion	Ratio	Lower	Upper
113	100		
111	107.9	83.5	125.3
192	13.4	14.4	21.6#

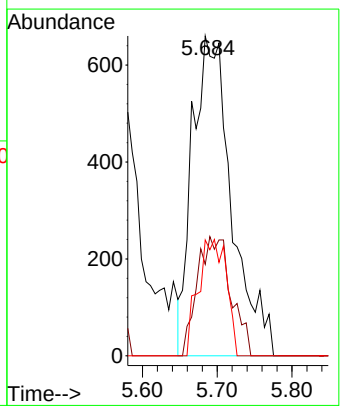


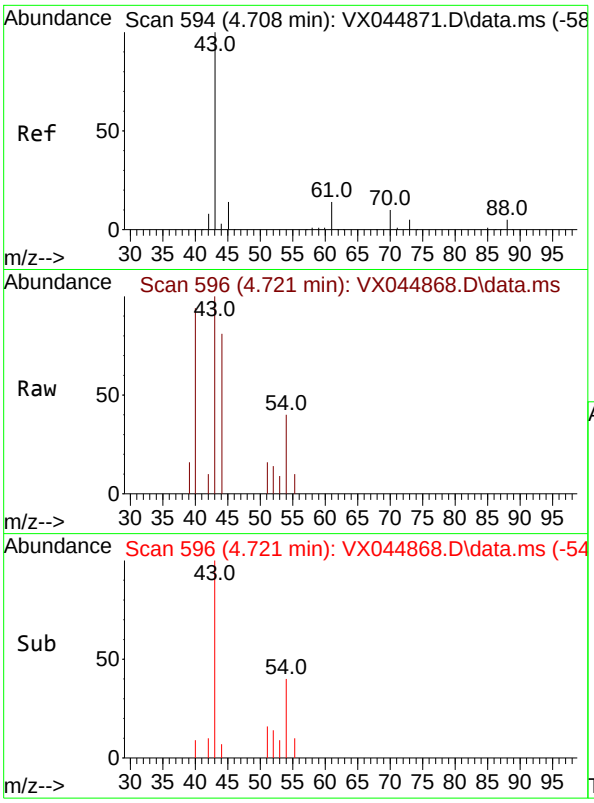


#36
1,1-Dichloropropene
Concen: 1.006 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2399

Ion	Ratio	Lower	Upper
75	100		
110	32.1	17.2	51.6
77	26.3	24.6	37.0



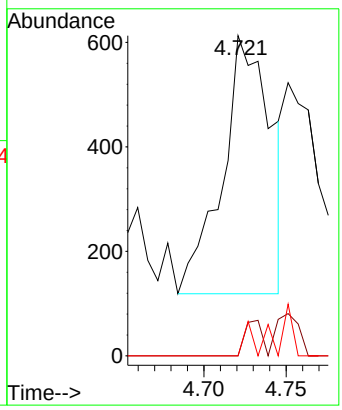


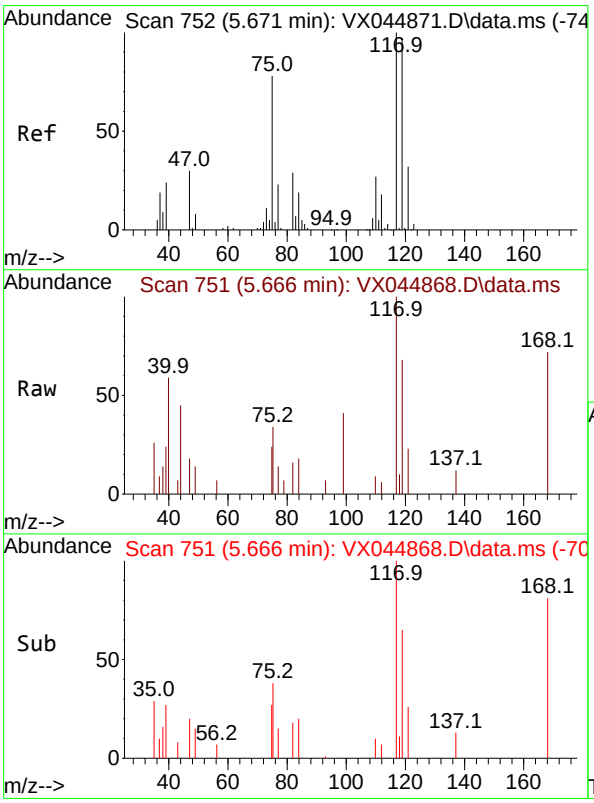
#37
Ethyl Acetate
Concen: 0.379 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1004

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	2.4	8.2	12.2#

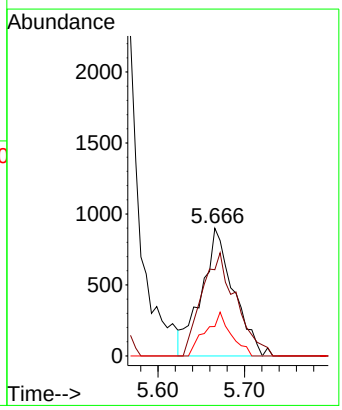


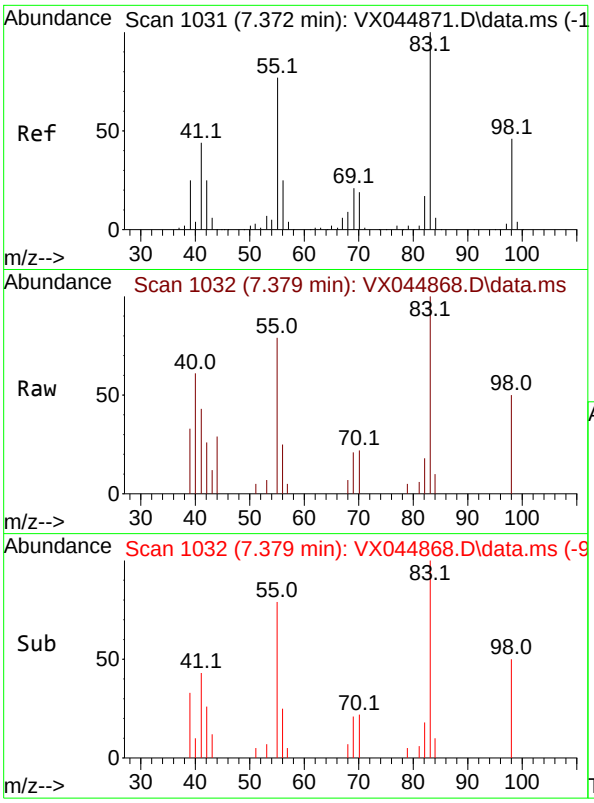


#38
Carbon Tetrachloride
Concen: 0.994 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:117 Resp: 2322

Ion	Ratio	Lower	Upper
117	100		
119	67.5	77.5	116.3#
121	23.0	25.6	38.4#



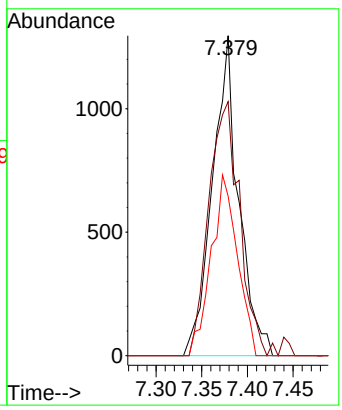


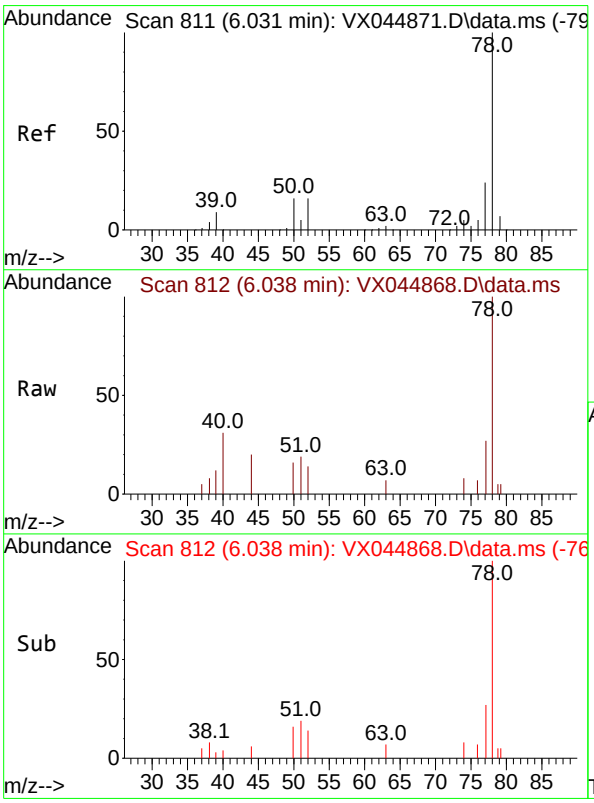
#39
Methylcyclohexane
Concen: 0.840 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2589

Ion	Ratio	Lower	Upper
83	100		
55	79.4	61.3	91.9
98	49.8	37.0	55.6

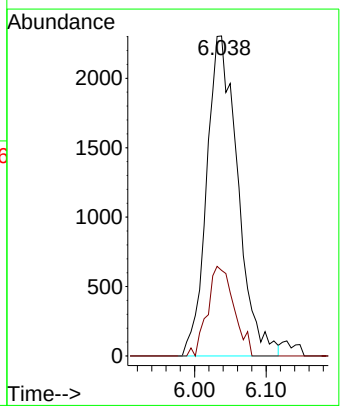


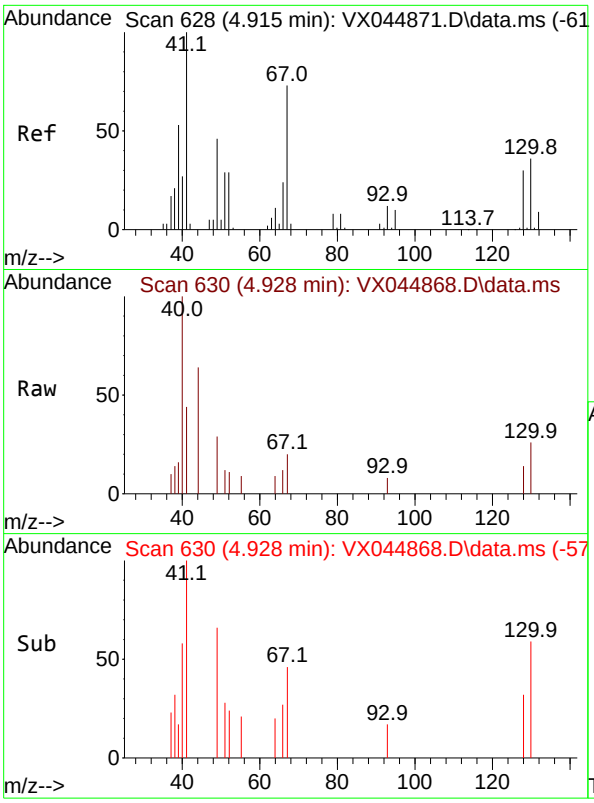


#40
Benzene
Concen: 0.935 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 78 Resp: 6963

Ion	Ratio	Lower	Upper
78	100		
77	26.8	19.0	28.6



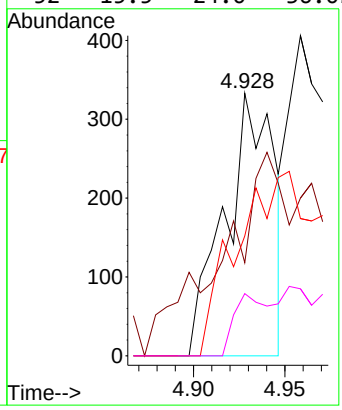


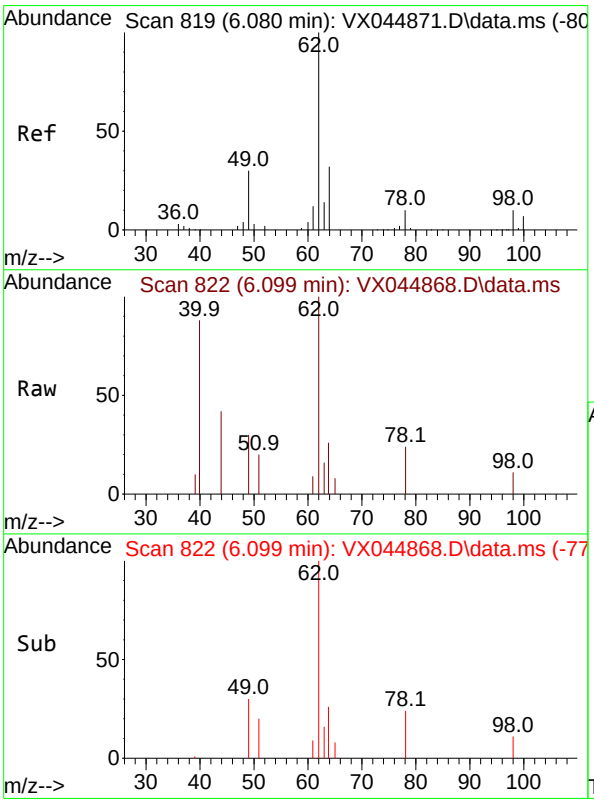
#41
Methacrylonitrile
Concen: 0.438 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 621

Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	57.0	85.6#
52	15.5	24.0	36.0#

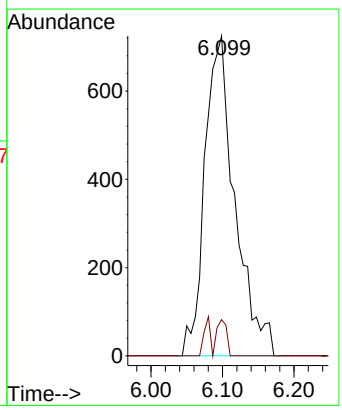


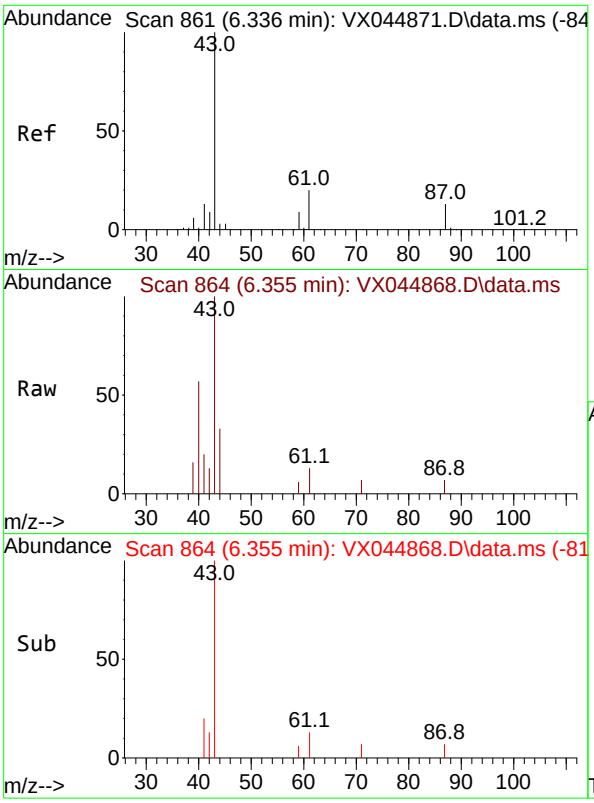


#42
1,2-Dichloroethane
Concen: 0.894 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 62 Resp: 2120

Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	19.4



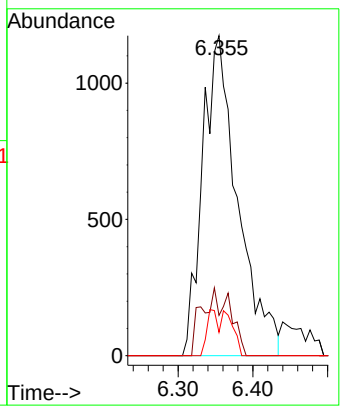


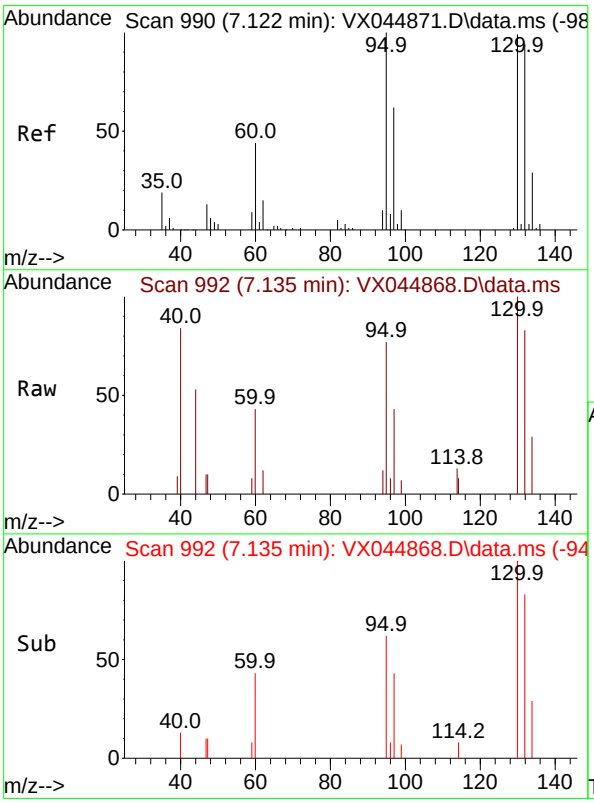
#43
Isopropyl Acetate
Concen: 0.897 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3839

Ion	Ratio	Lower	Upper
43	100		
61	16.9	15.8	23.8
87	4.6	10.0	15.0#

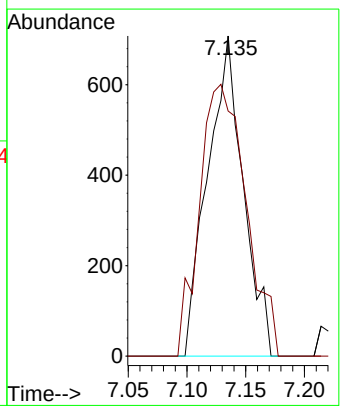


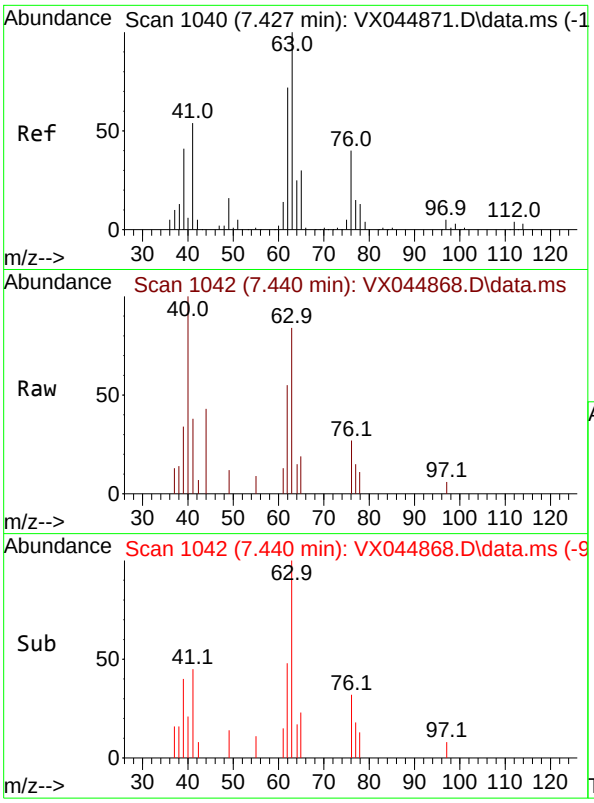


#44
Trichloroethene
Concen: 0.874 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:130 Resp: 1487

Ion	Ratio	Lower	Upper
130	100		
95	76.6	0.0	202.4



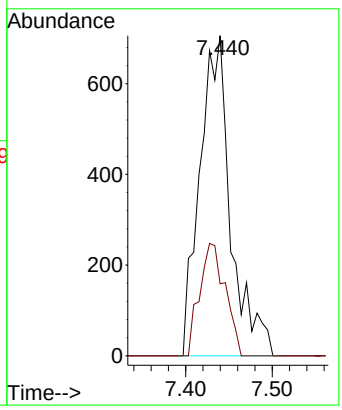


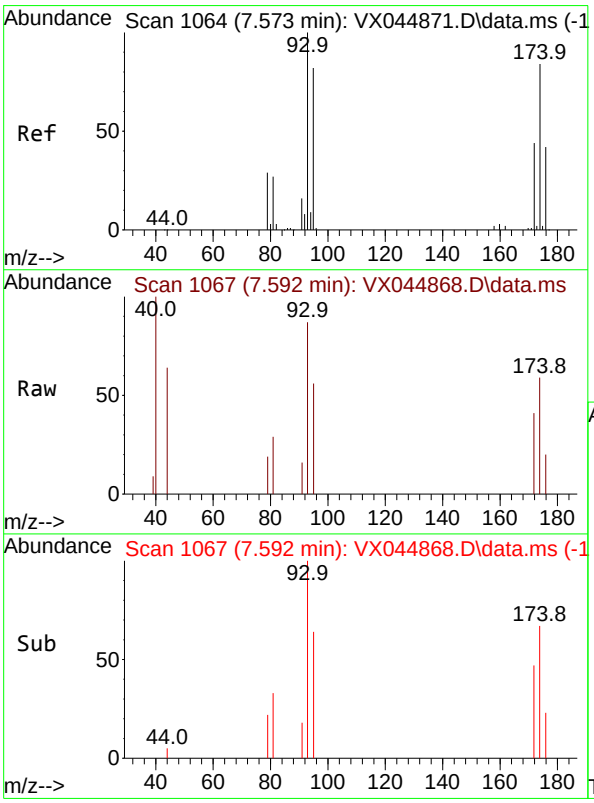
#45
1,2-Dichloropropane
Concen: 0.943 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1746

Ion	Ratio	Lower	Upper
63	100		
65	22.5	24.2	36.4#

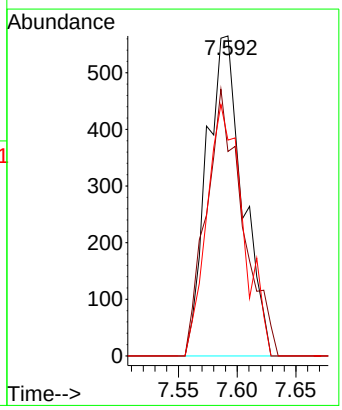


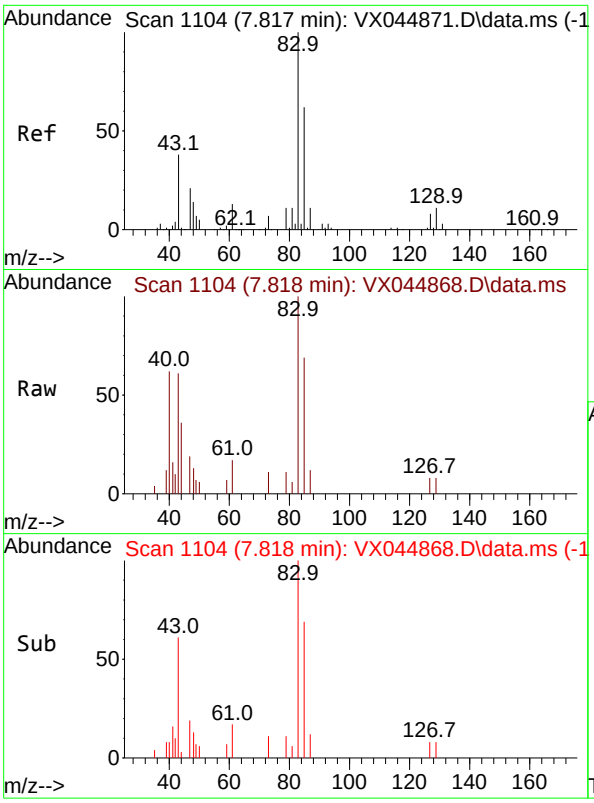


#46
Dibromomethane
Concen: 0.936 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 93 Resp: 1202

Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.2	99.4
174	79.3	69.9	104.9



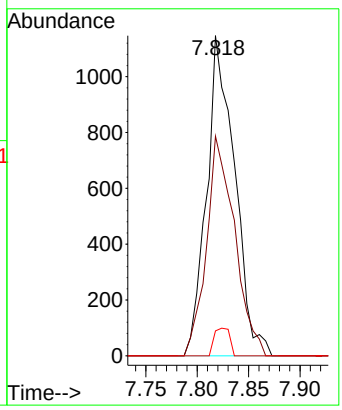


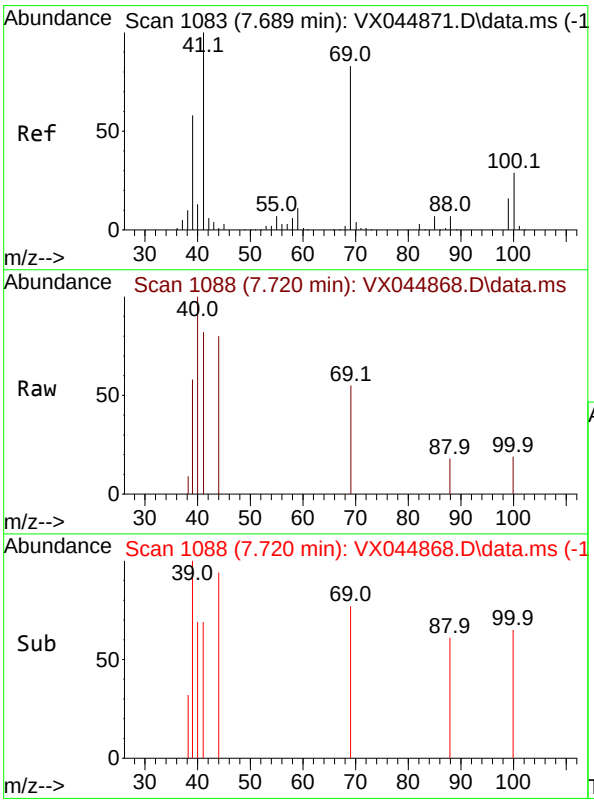
#47
Bromodichloromethane
Concen: 0.875 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2176

Ion	Ratio	Lower	Upper
83	100		
85	68.6	50.0	75.0
127	7.8	6.4	9.6

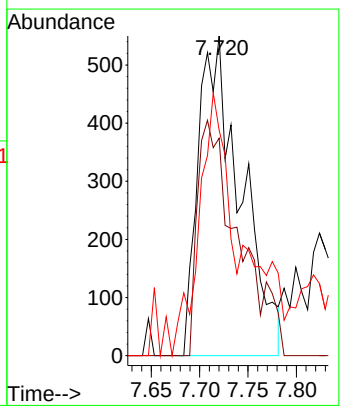


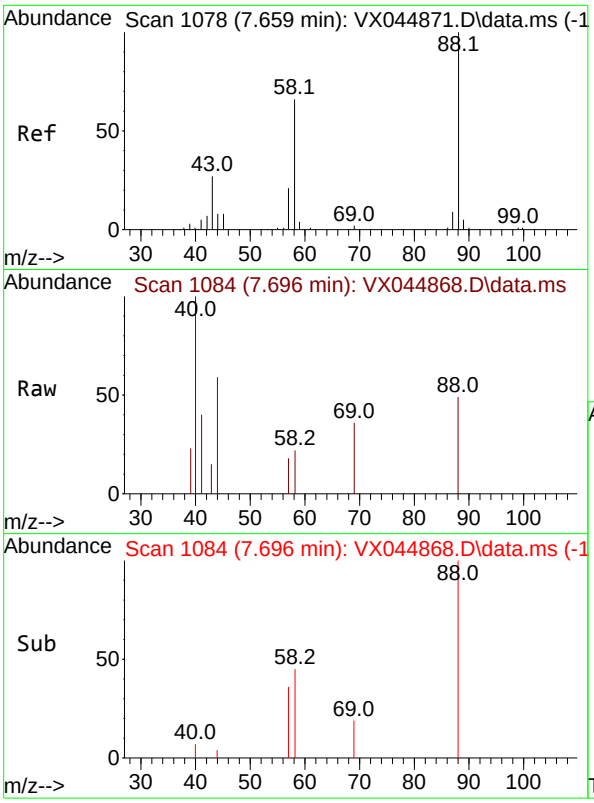


#48
Methyl methacrylate
Concen: 0.830 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.031 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 1675

Ion	Ratio	Lower	Upper
41	100		
69	71.8	65.8	98.8
39	55.9	46.4	69.6



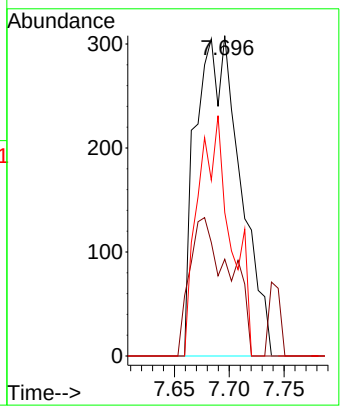


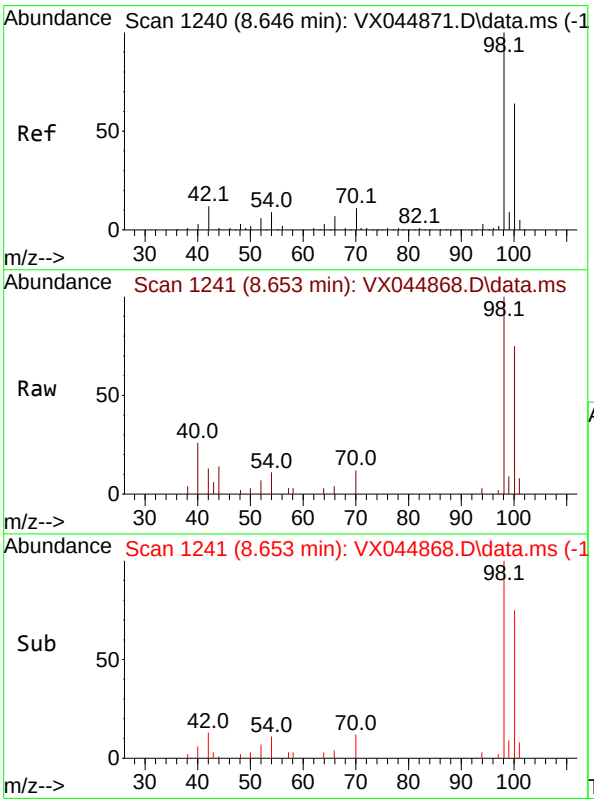
#49
1,4-Dioxane
Concen: 20.015 ug/l
RT: 7.696 min Scan# 1
Delta R.T. 0.037 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 867

Ion	Ratio	Lower	Upper
88	100		
43	38.9	26.6	39.8
58	55.5	55.9	83.9#

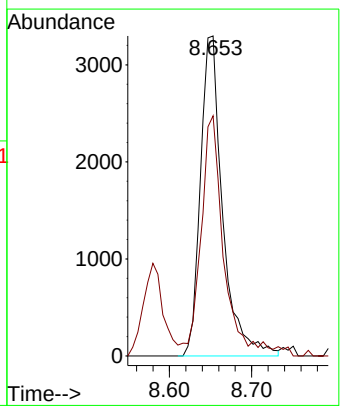


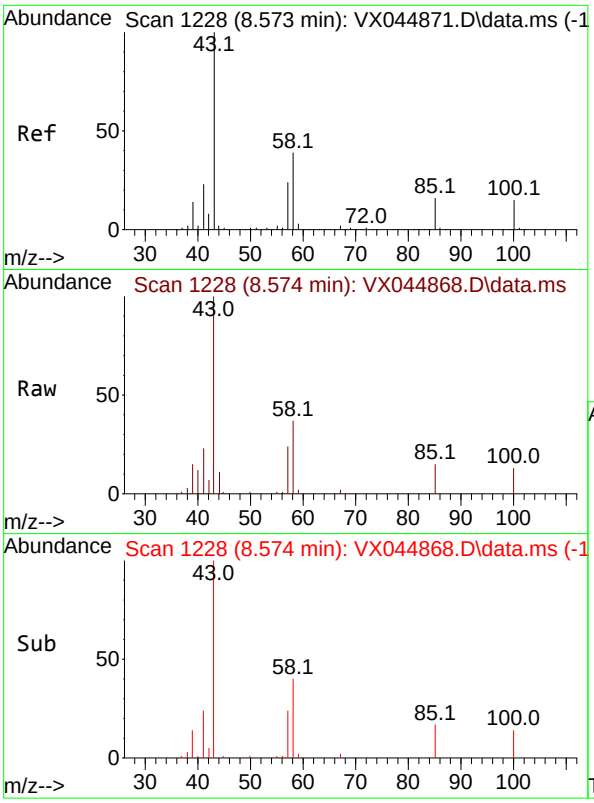


#50
Toluene-d8
Concen: 0.991 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 98 Resp: 6195

Ion	Ratio	Lower	Upper
98	100		
100	70.7	52.7	79.1



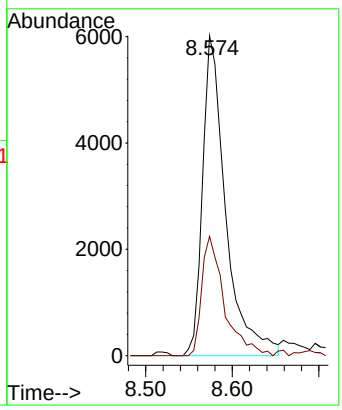


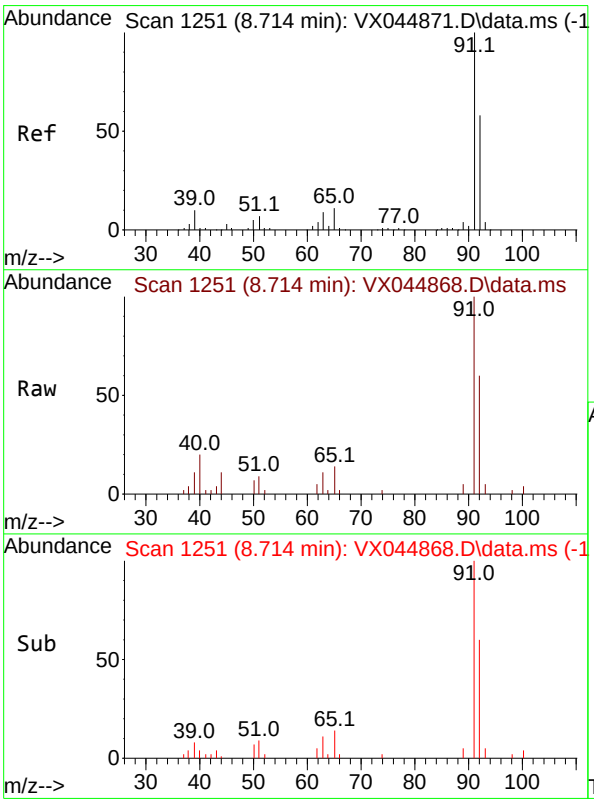
#51
4-Methyl-2-Pentanone
Concen: 4.290 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 11169

Ion	Ratio	Lower	Upper
43	100		
58	36.3	30.8	46.2

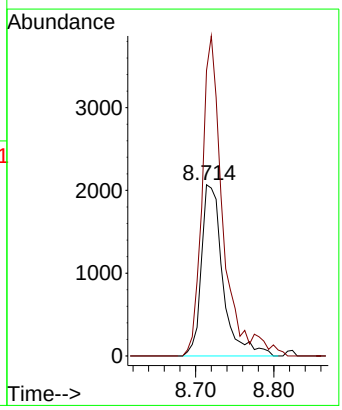


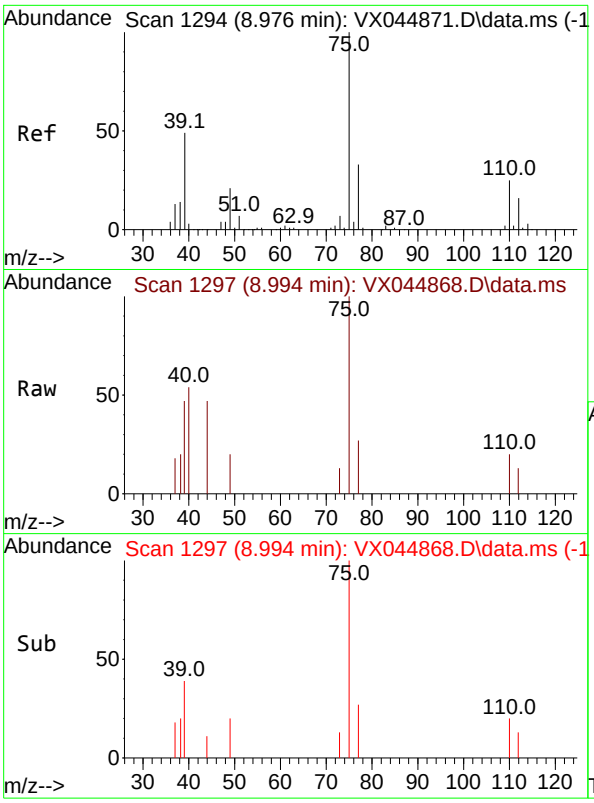


#52
Toluene
Concen: 0.889 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 92 Resp: 3943

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.4	206.2



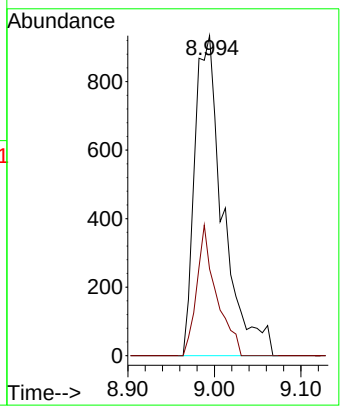


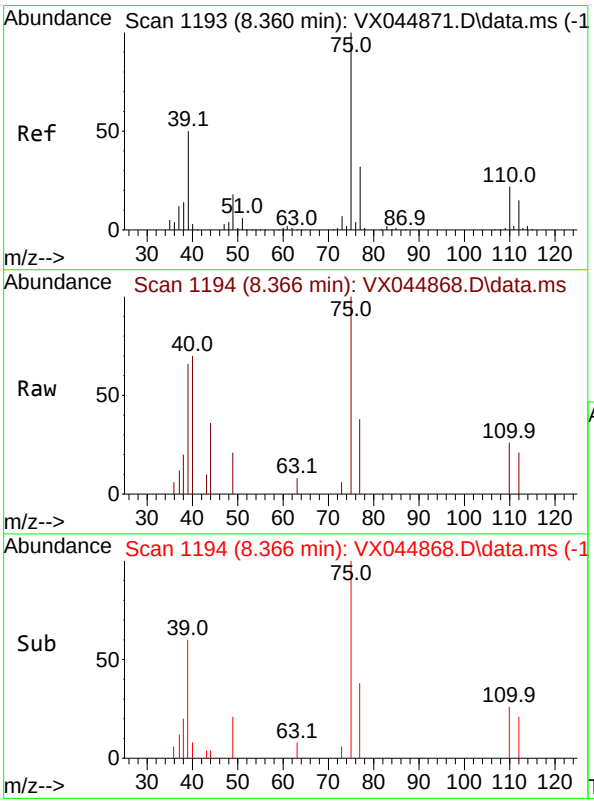
#53
t-1,3-Dichloropropene
Concen: 0.842 ug/l
RT: 8.994 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 2119

Ion	Ratio	Lower	Upper
75	100		
77	27.1	26.0	39.0

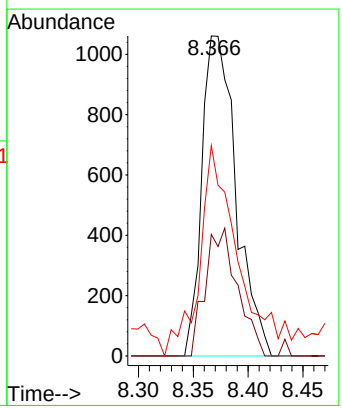


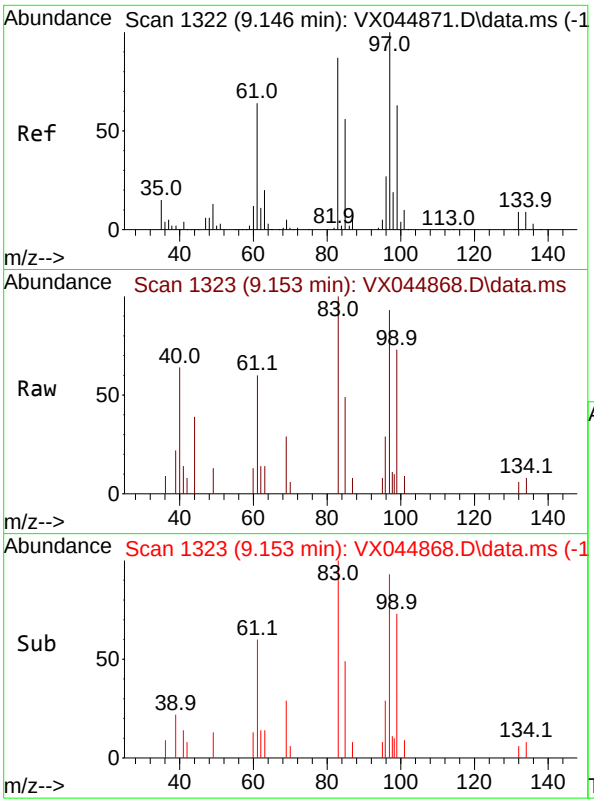


#54
cis-1,3-Dichloropropene
Concen: 0.820 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2300

Ion	Ratio	Lower	Upper
75	100		
77	38.0	25.3	37.9#
39	60.3	40.0	60.0#



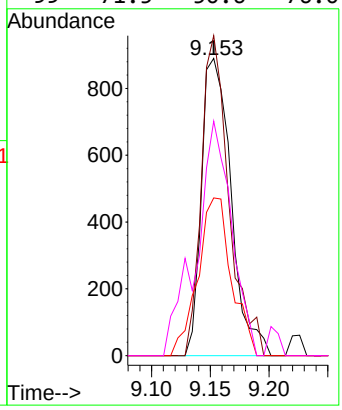


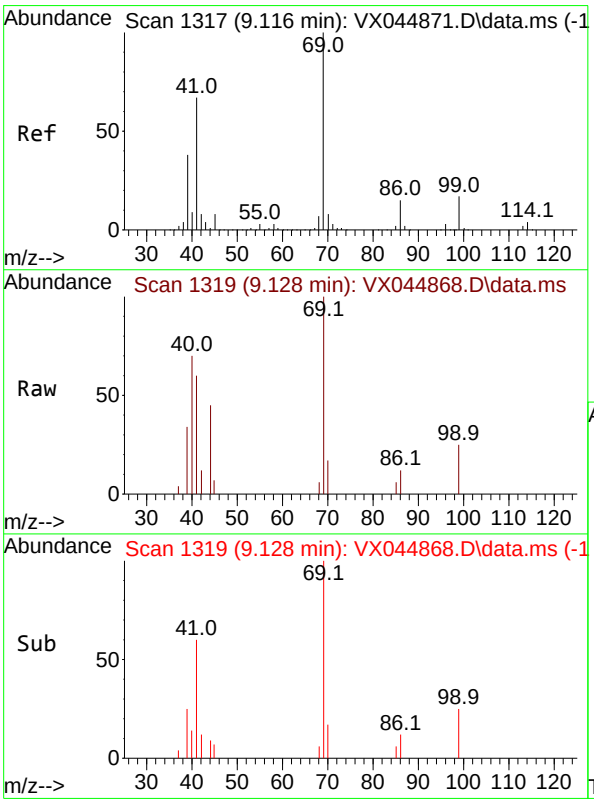
#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1558

Ion	Ratio	Lower	Upper
97	100		
83	107.6	69.8	104.6#
85	53.0	44.8	67.2
99	71.5	50.6	76.0

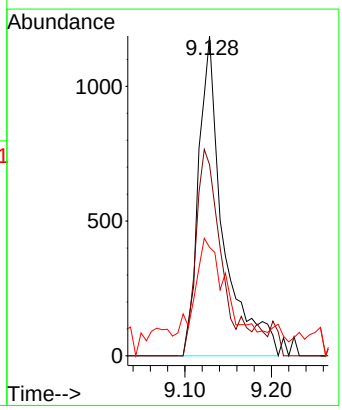


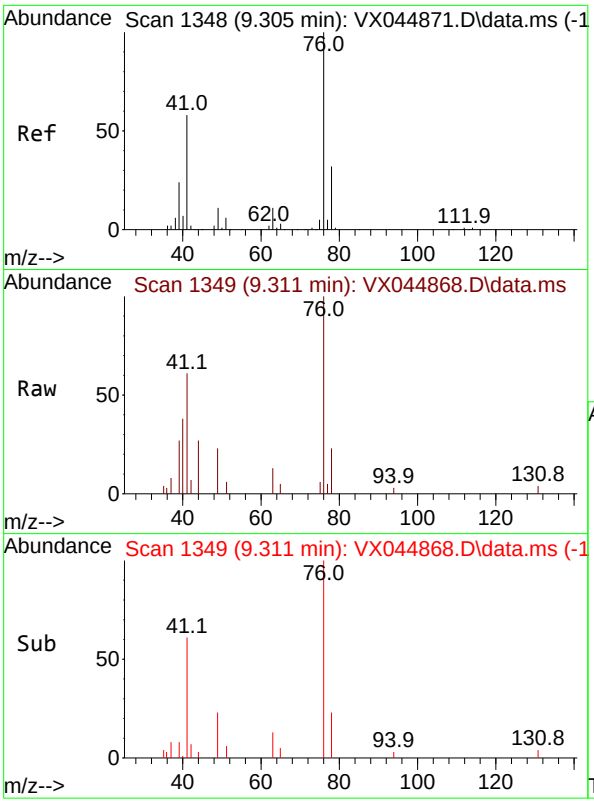


#56
Ethyl methacrylate
Concen: 0.852 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 69 Resp: 2346

Ion	Ratio	Lower	Upper
69	100		
41	61.6	55.2	82.8
39	56.2	30.8	46.2#



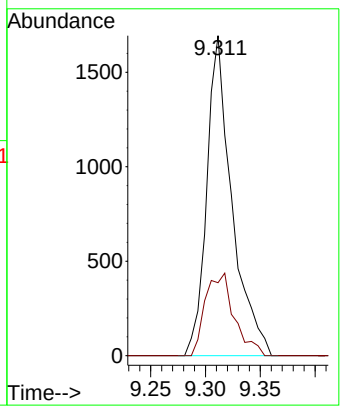


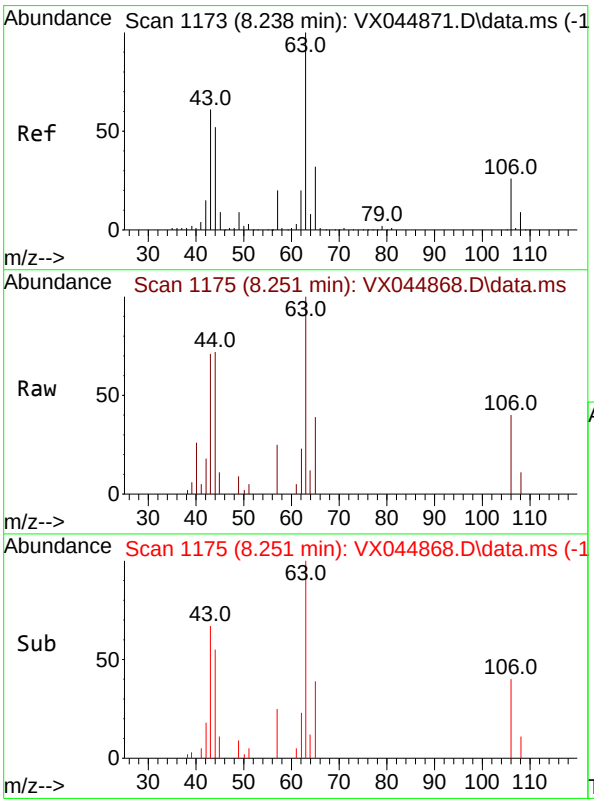
#57
1,3-Dichloropropane
Concen: 0.905 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2699

Ion	Ratio	Lower	Upper
76	100		
78	29.6	25.8	38.8

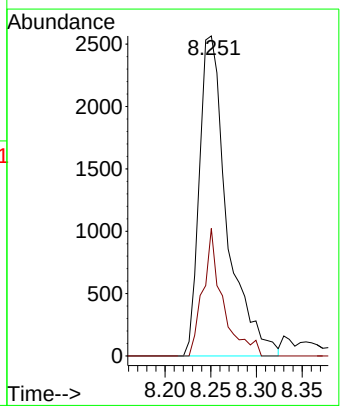


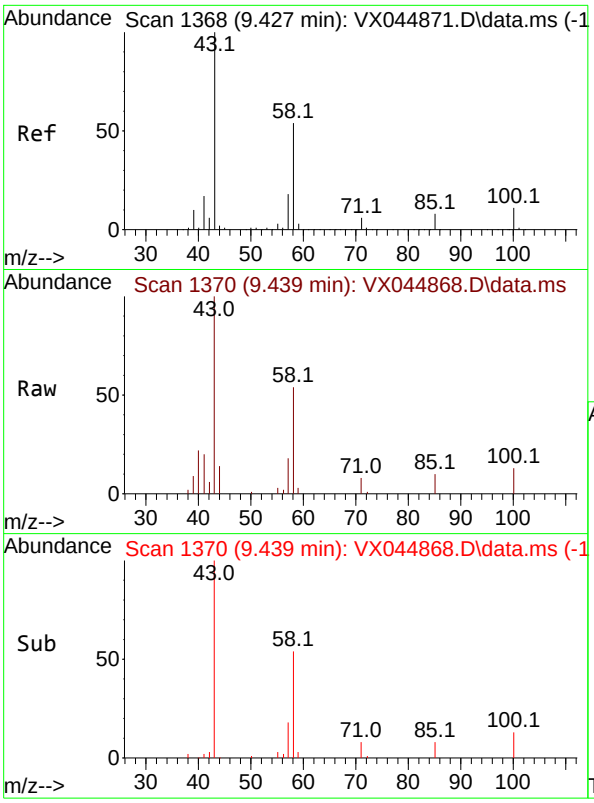


#58
2-Chloroethyl Vinyl ether
Concen: 3.996 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 63 Resp: 5401

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.3	31.9



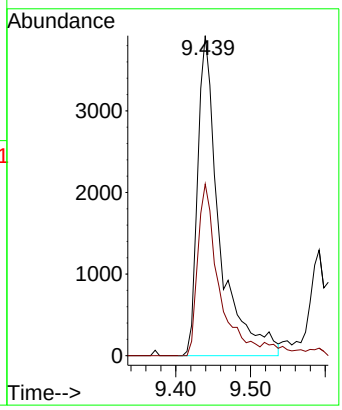


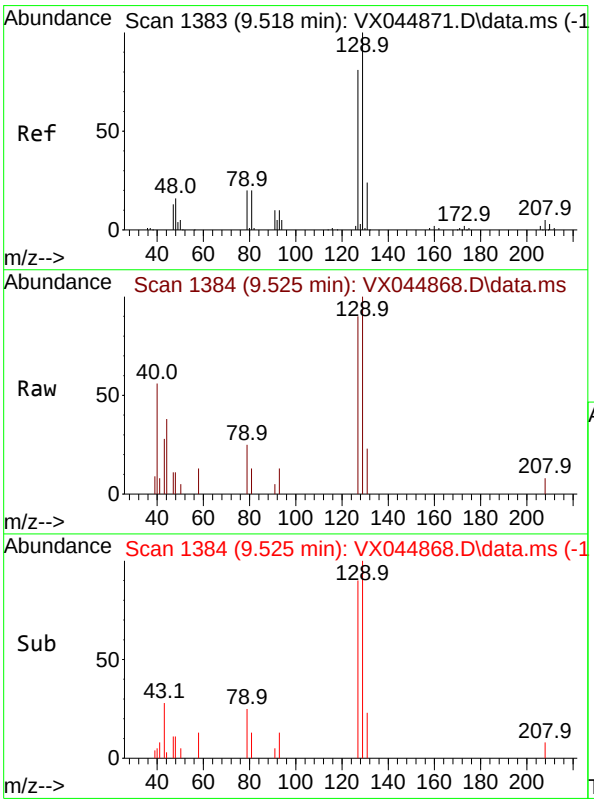
#59
2-Hexanone
Concen: 4.240 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7952

Ion	Ratio	Lower	Upper
43	100		
58	51.3	27.5	82.4

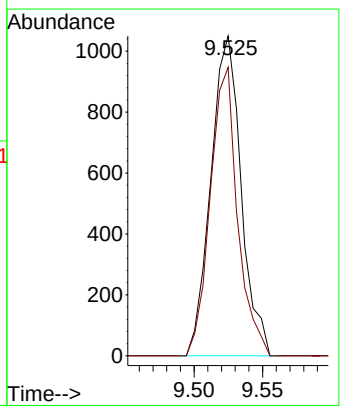


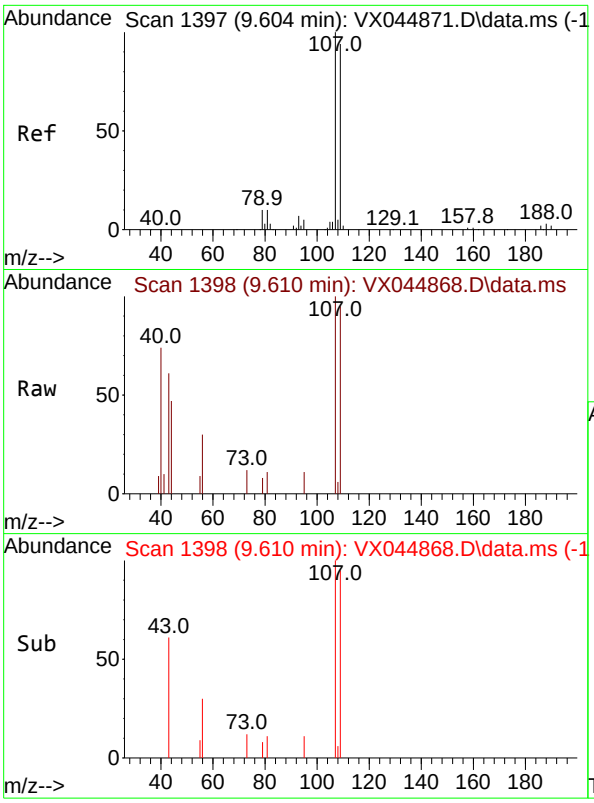


#60
Dibromochloromethane
Concen: 0.885 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:129 Resp: 1613

Ion	Ratio	Lower	Upper
129	100		
127	81.3	39.1	117.3



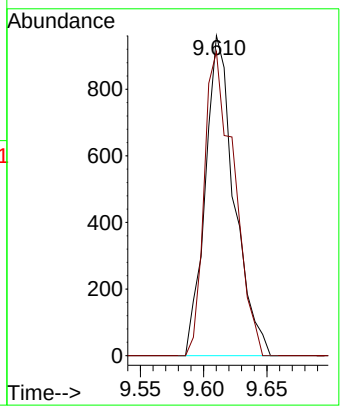


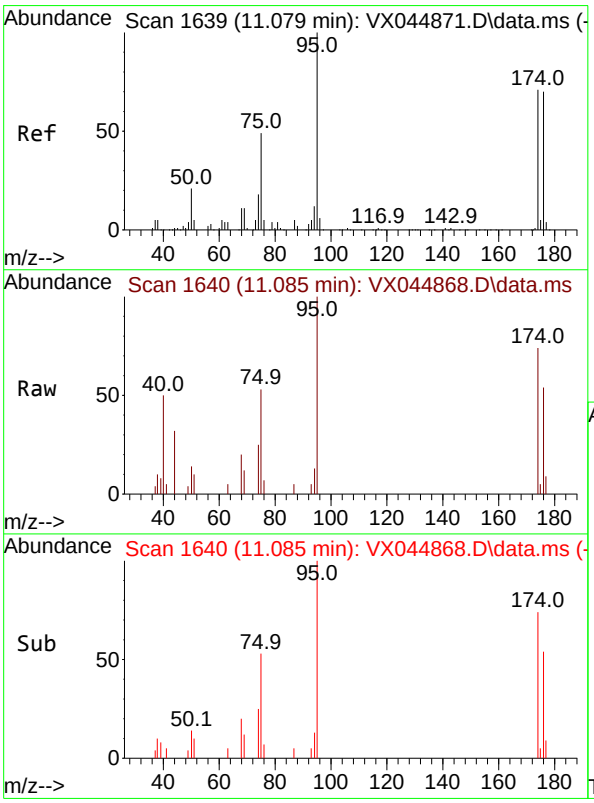
#61
1,2-Dibromoethane
Concen: 0.888 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1534

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.9	113.9

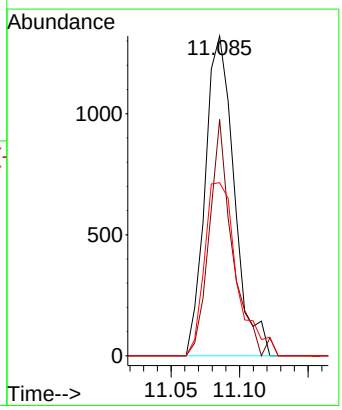


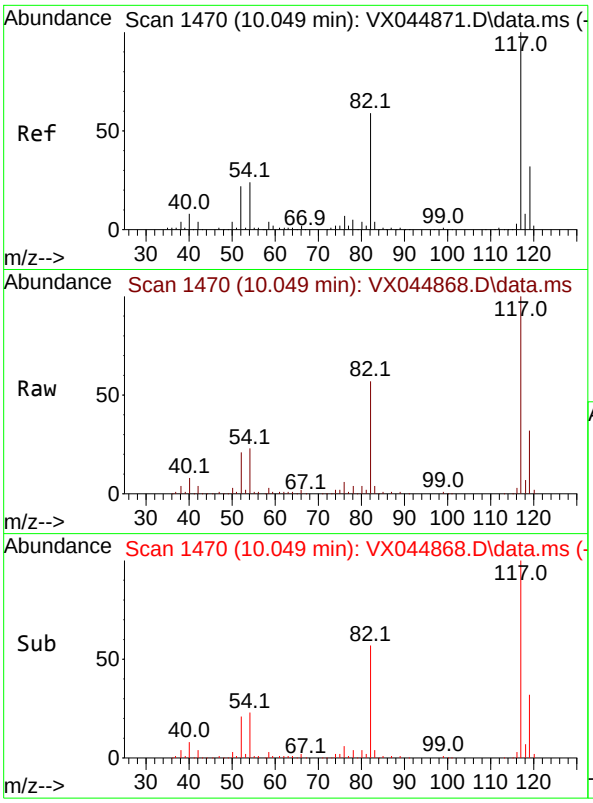


#62
4-Bromofluorobenzene
Concen: 0.926 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 95 Resp: 1950

Ion	Ratio	Lower	Upper
95	100		
174	58.8	0.0	142.6
176	60.5	0.0	141.6



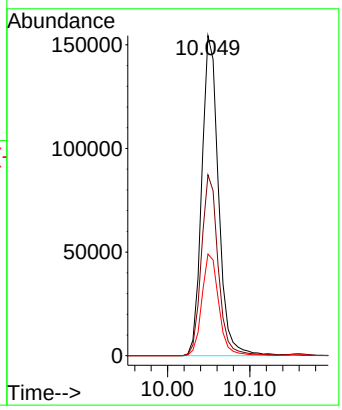


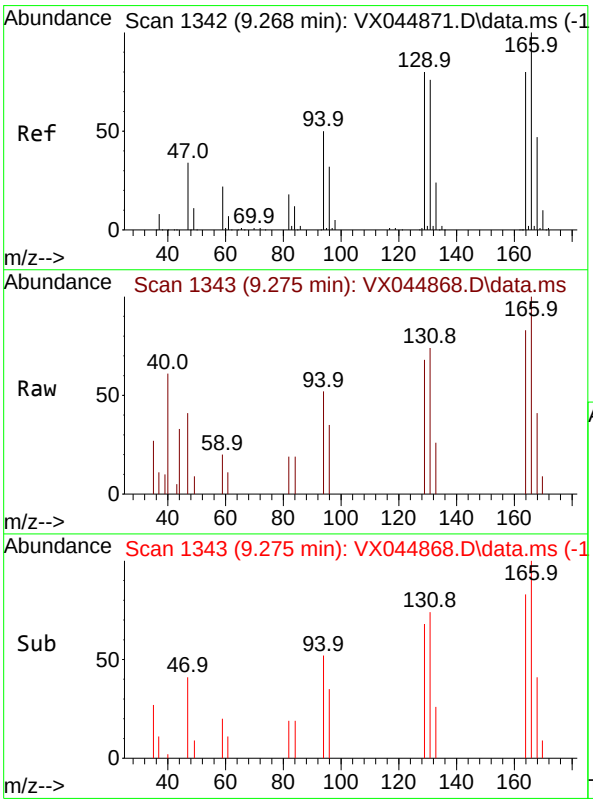
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 218570

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.5	71.3
119	31.8	25.4	38.0

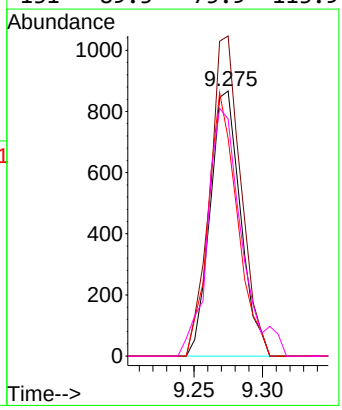


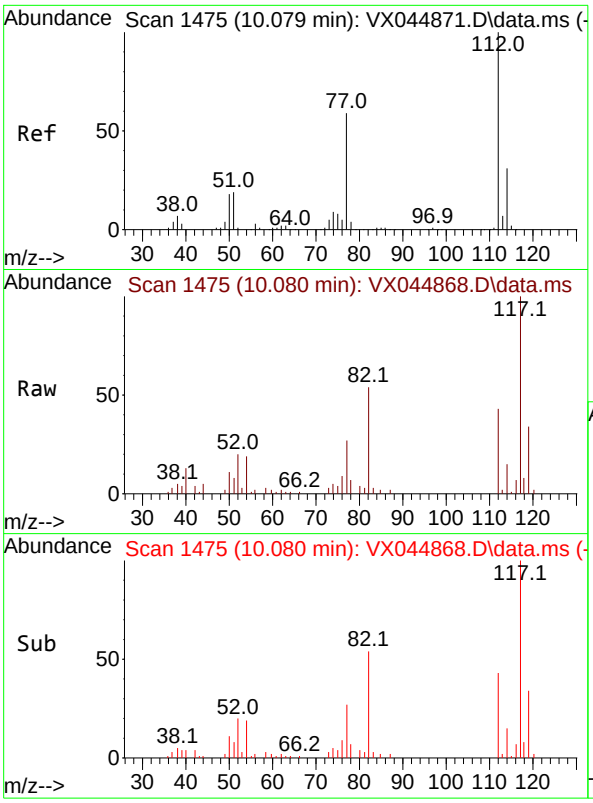


#64
Tetrachloroethene
Concen: 0.971 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:164 Resp: 1339

Ion	Ratio	Lower	Upper
164	100		
166	120.8	100.4	150.6
129	82.1	79.9	119.9
131	89.5	75.9	113.9



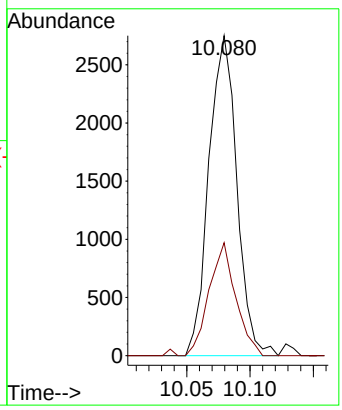


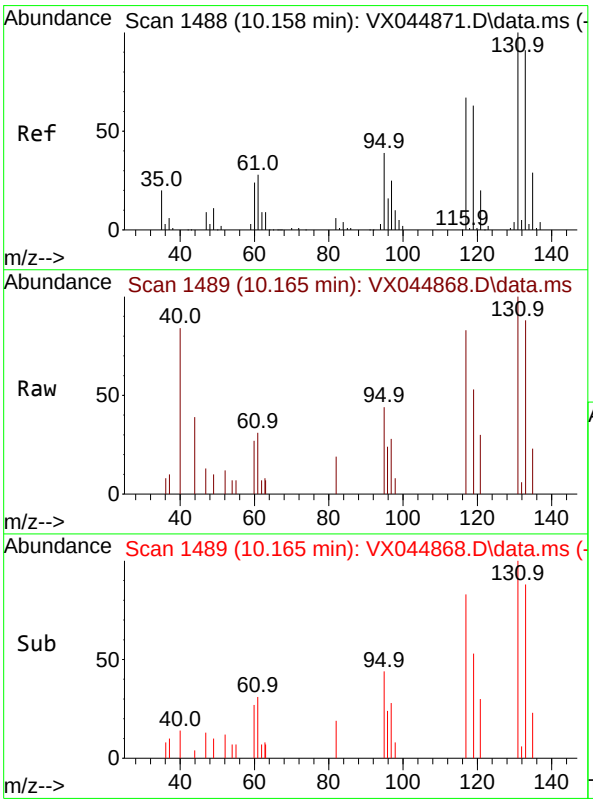
#65
Chlorobenzene
Concen: 0.902 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 4234

Ion	Ratio	Lower	Upper
112	100		
114	35.3	25.0	37.6

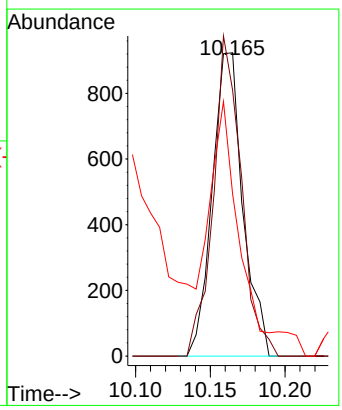


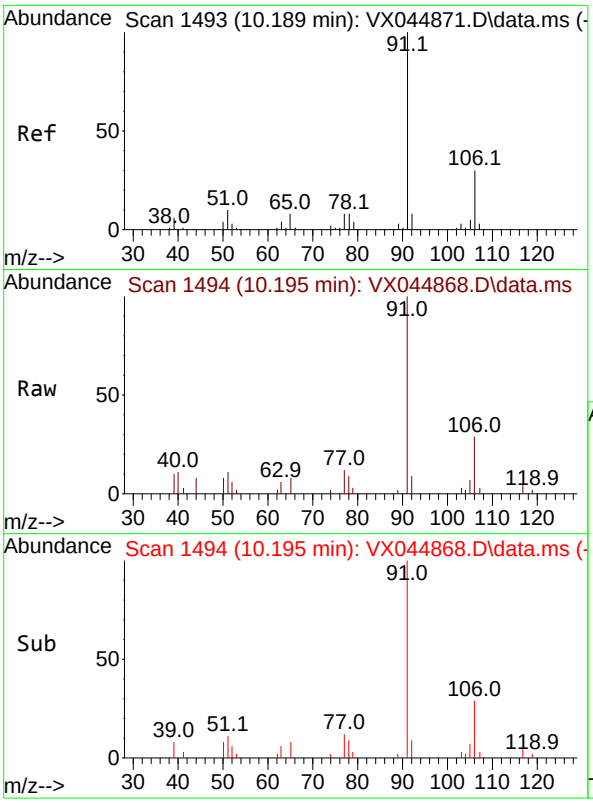


#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:131 Resp: 1320

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.1	141.3
119	0.0	33.6	100.6#



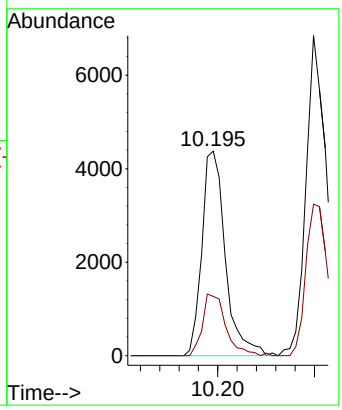


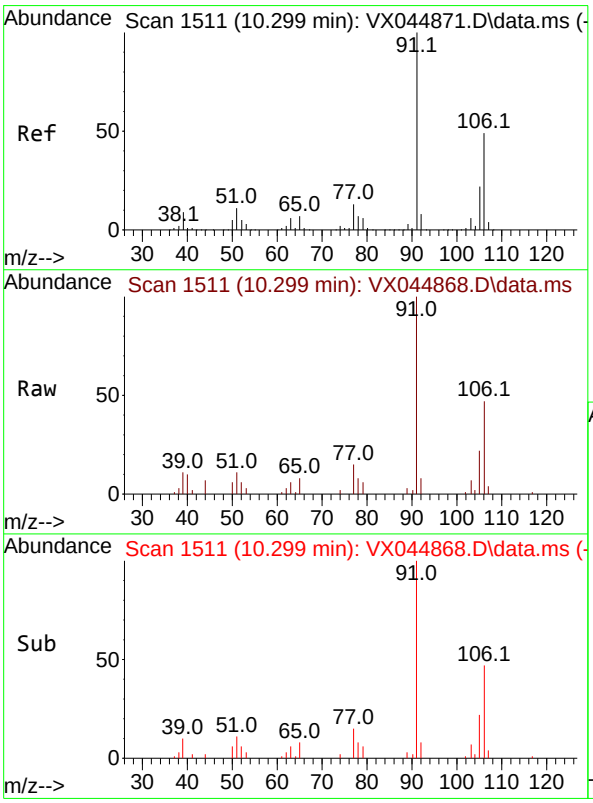
#67
Ethyl Benzene
Concen: 0.892 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 7388

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.9	35.9

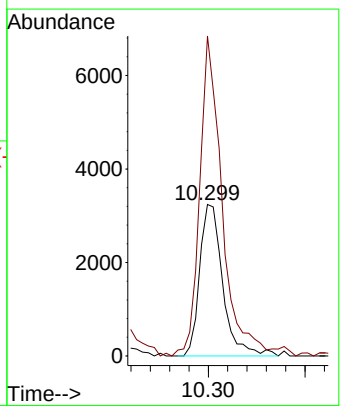


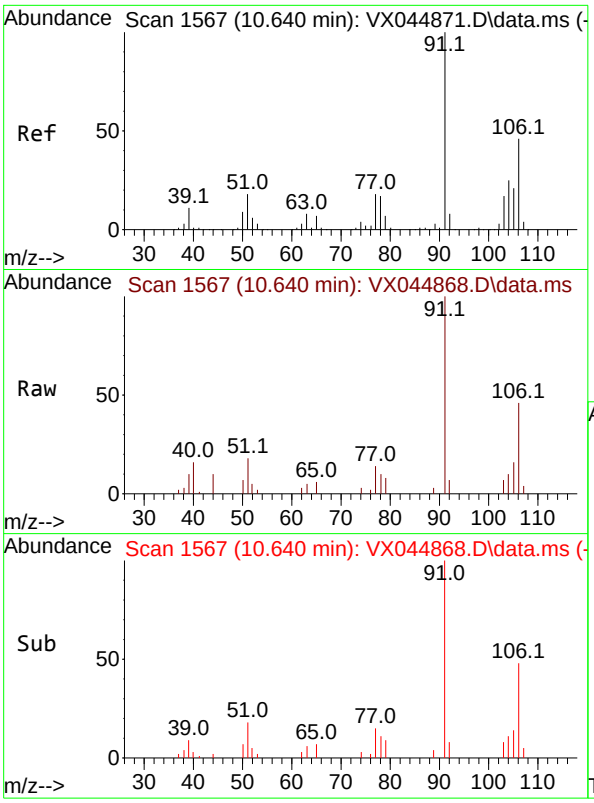


#68
m/p-Xylenes
Concen: 1.763 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:106 Resp: 5387

Ion	Ratio	Lower	Upper
106	100		
91	204.7	164.3	246.5



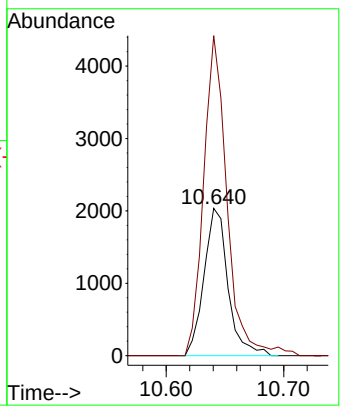


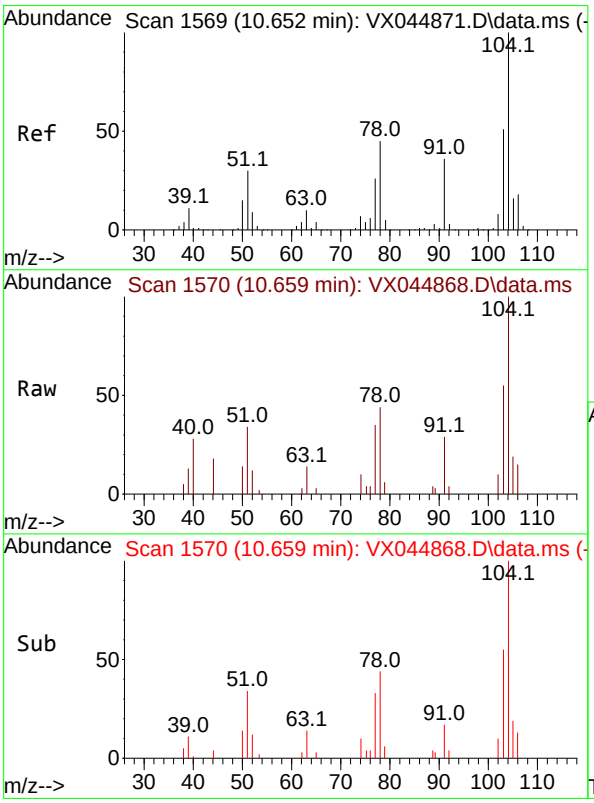
#69
o-Xylene
Concen: 0.942 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2889

Ion	Ratio	Lower	Upper
106	100		
91	211.5	108.5	325.5

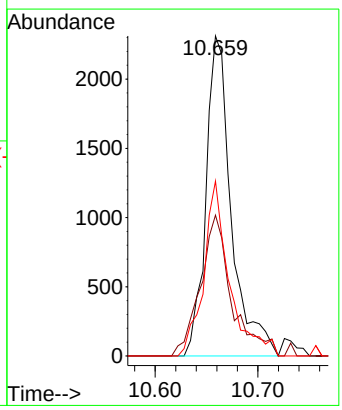


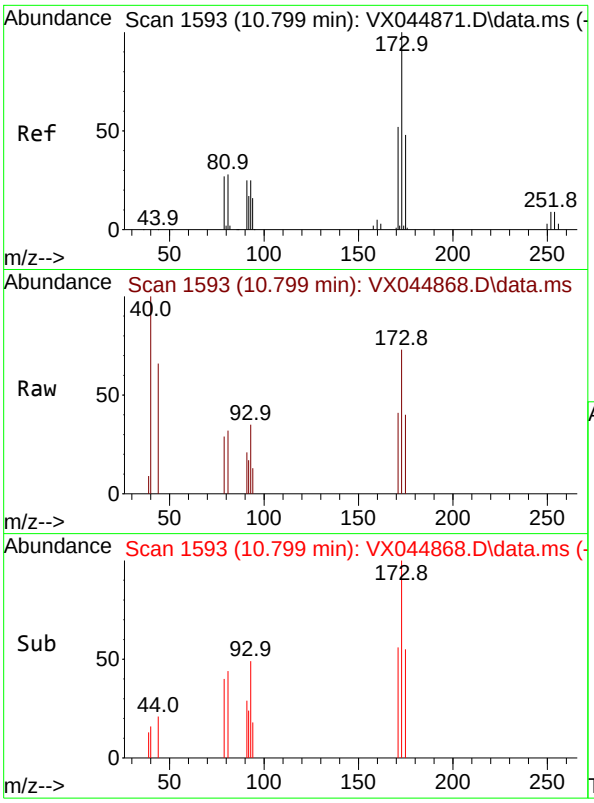


#70
Styrene
Concen: 0.804 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:104 Resp: 3974

Ion	Ratio	Lower	Upper
104	100		
78	54.1	40.5	60.7
103	55.0	43.6	65.4



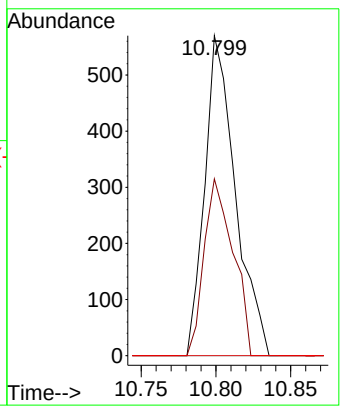


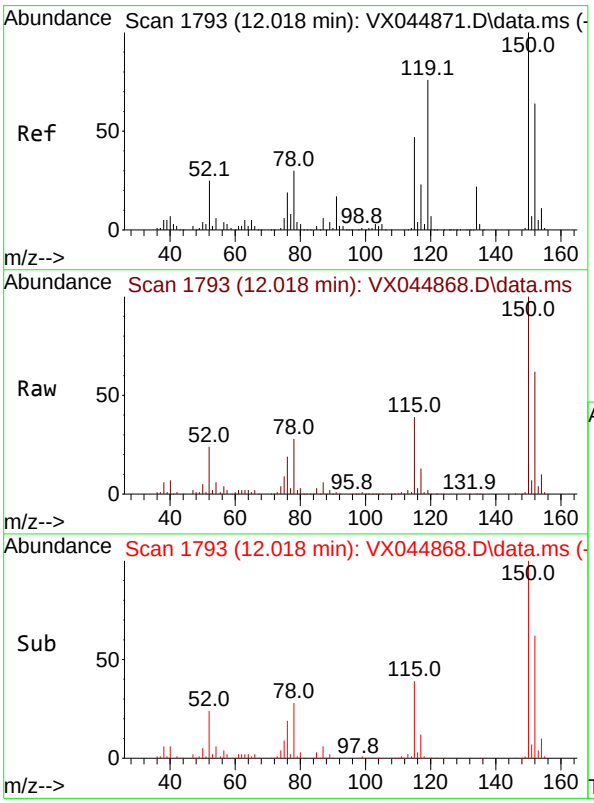
#71
Bromoform
Concen: 0.721 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 813

Ion	Ratio	Lower	Upper
173	100		
175	52.2	24.3	72.8
254	0.0	0.0	0.0

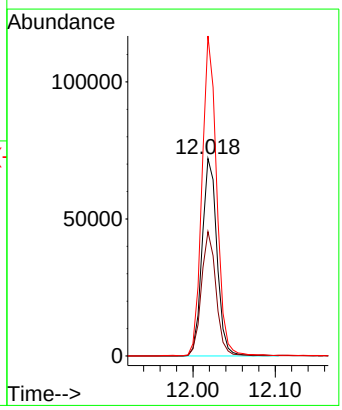


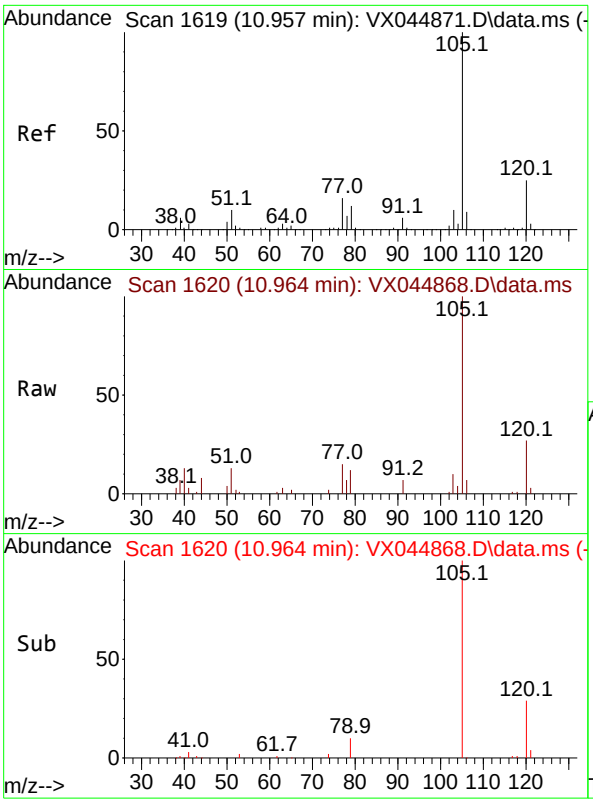


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:152 Resp: 90733

Ion	Ratio	Lower	Upper
152	100		
115	62.0	43.4	130.1
150	158.6	0.0	350.4



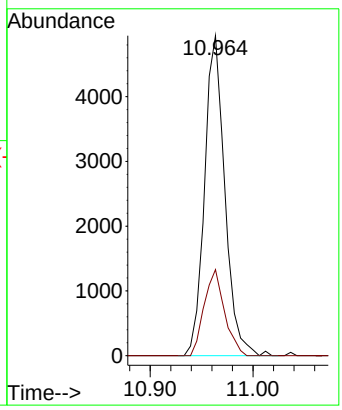


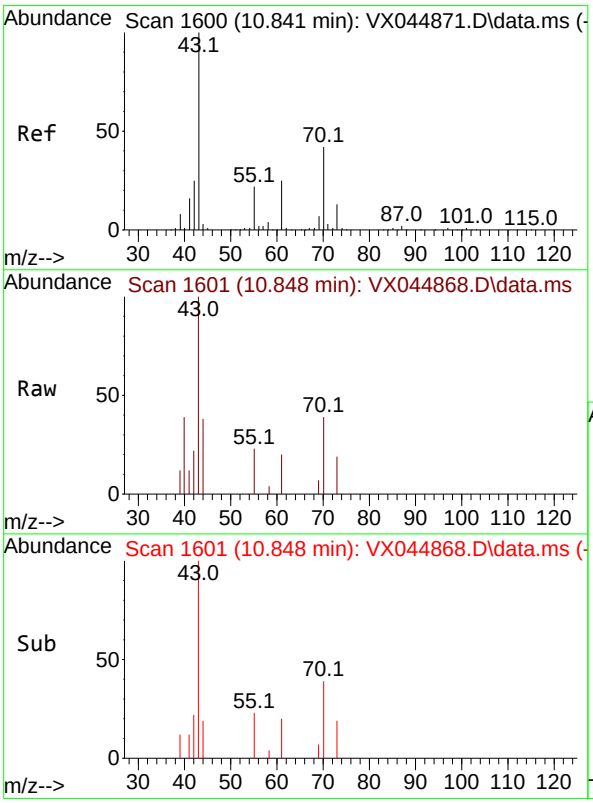
#73
Isopropylbenzene
Concen: 0.928 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6778

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.2	39.5

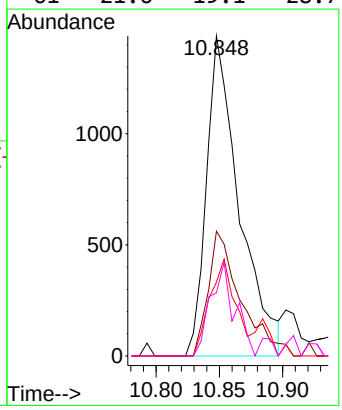


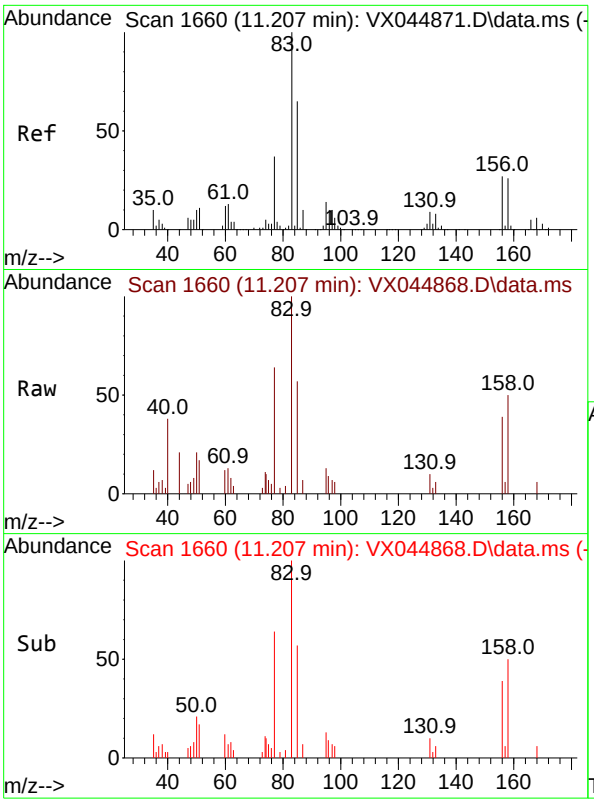


#74
N-amyl acetate
Concen: 0.785 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2596

Ion	Ratio	Lower	Upper
43	100		
70	38.8	33.7	50.5
55	25.2	18.6	27.8
61	21.6	19.1	28.7



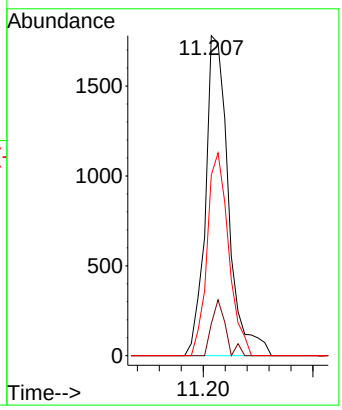


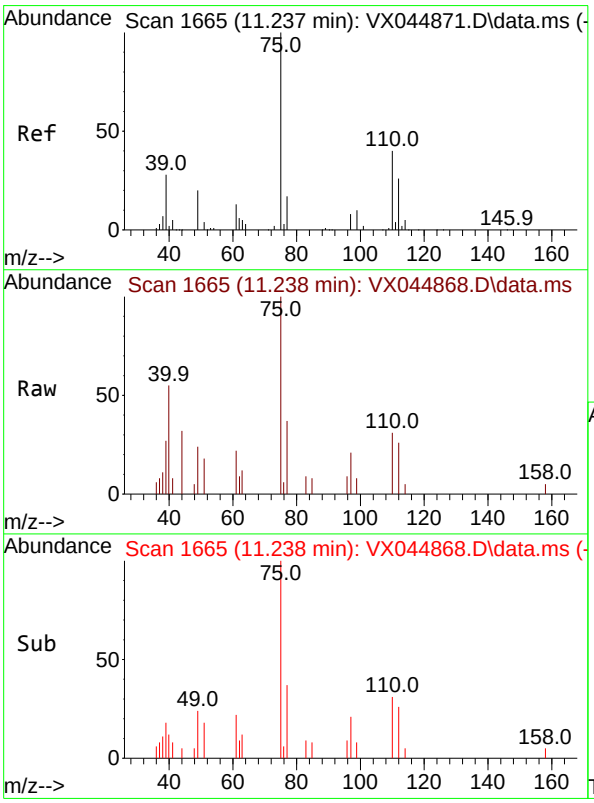
#75
1,1,2,2-Tetrachloroethane
Concen: 1.033 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2594

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.5	13.5
85	59.2	32.3	96.8

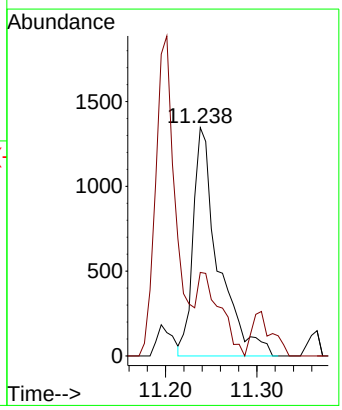


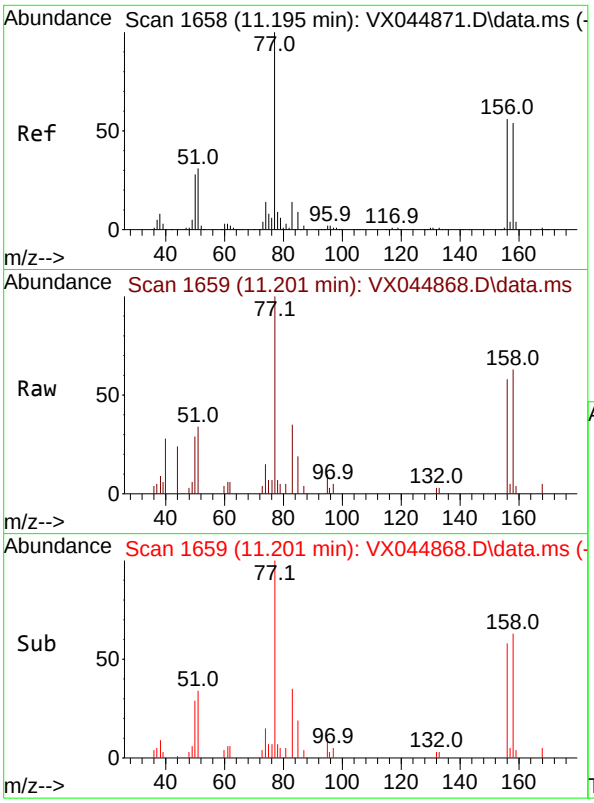


#76
1,2,3-Trichloropropane
Concen: 1.276 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2567

Ion	Ratio	Lower	Upper
75	100		
77	32.1	21.9	65.7



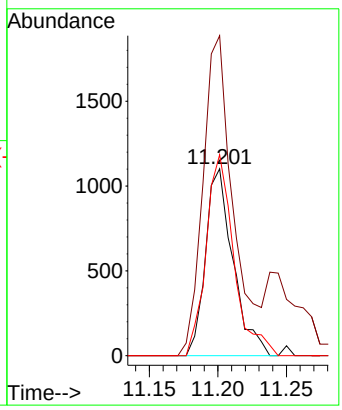


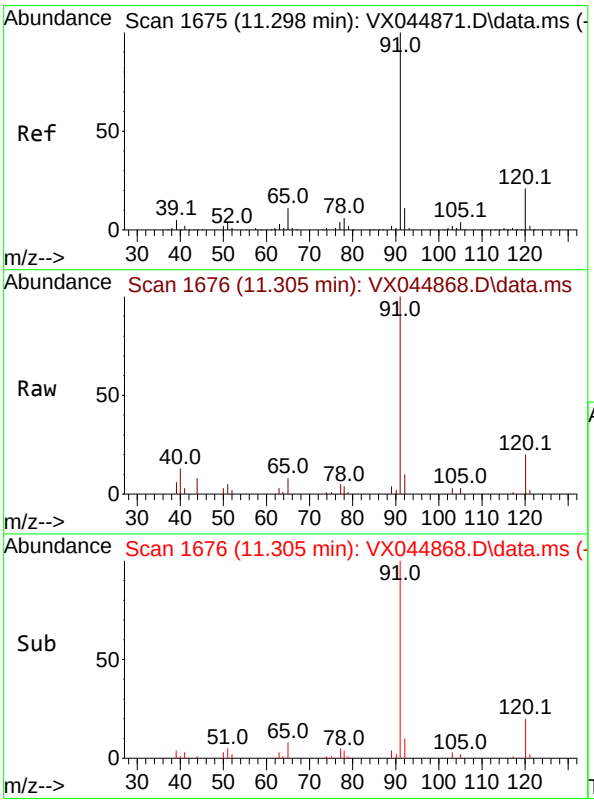
#77
Bromobenzene
Concen: 0.928 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1537

Ion	Ratio	Lower	Upper
156	100		
77	188.7	88.4	265.3
158	108.6	48.4	145.2

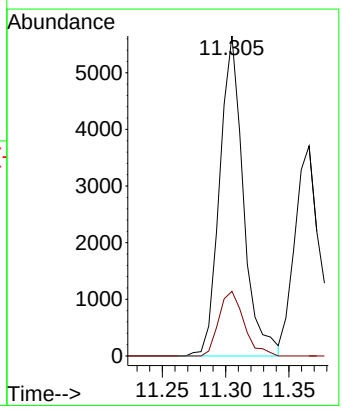


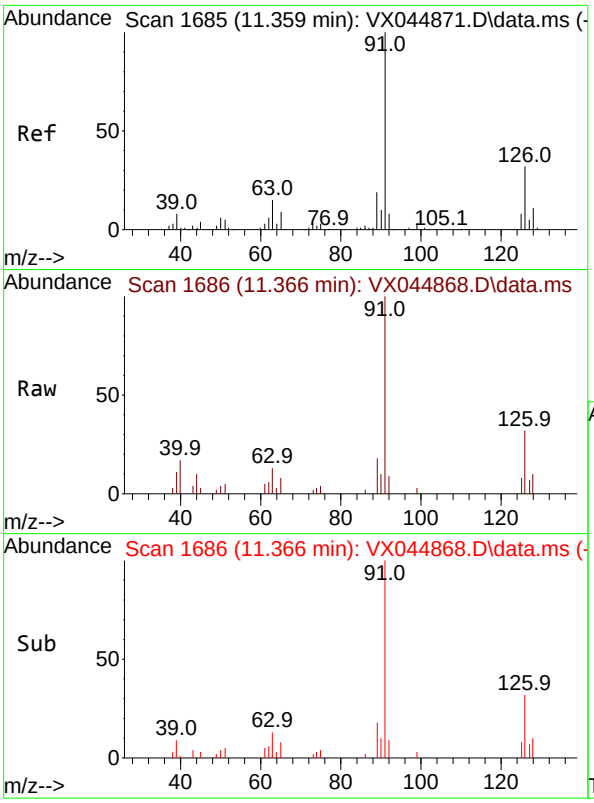


#78
n-propylbenzene
Concen: 0.871 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 7347

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.3



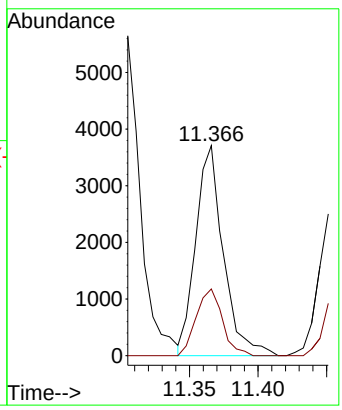


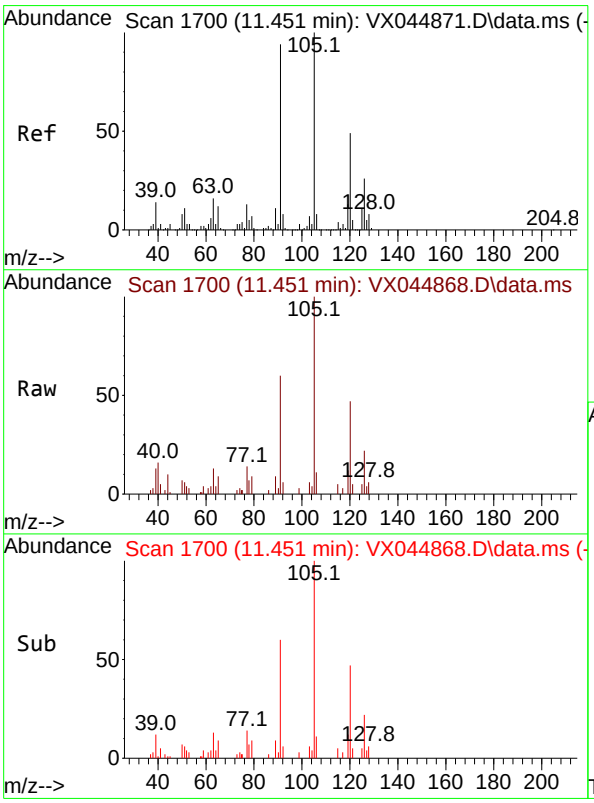
#79
2-Chlorotoluene
Concen: 1.001 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5188

Ion	Ratio	Lower	Upper
91	100		
126	30.1	16.2	48.6

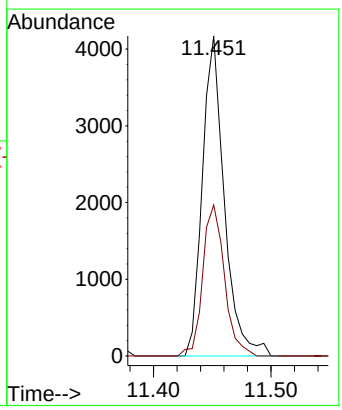


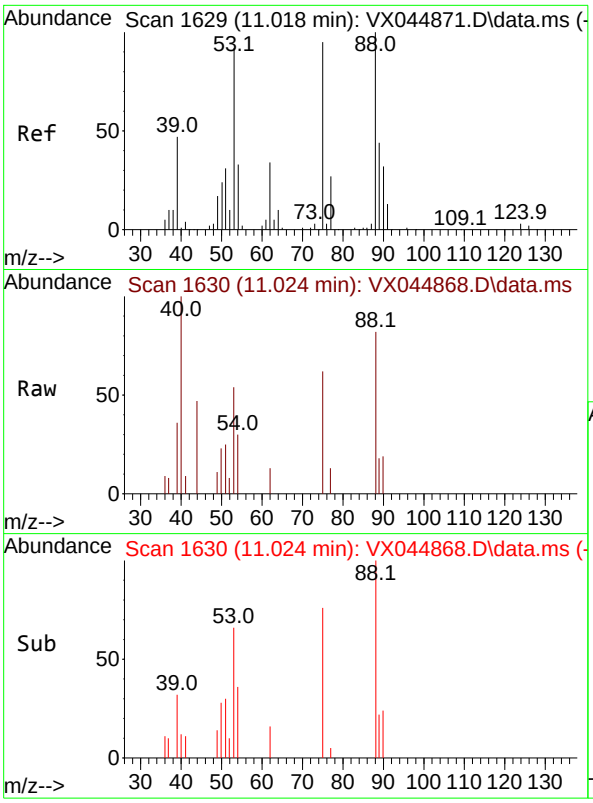


#80
1,3,5-Trimethylbenzene
Concen: 0.913 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:105 Resp: 5410

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.0	72.0



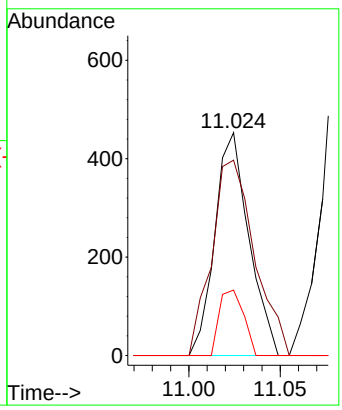


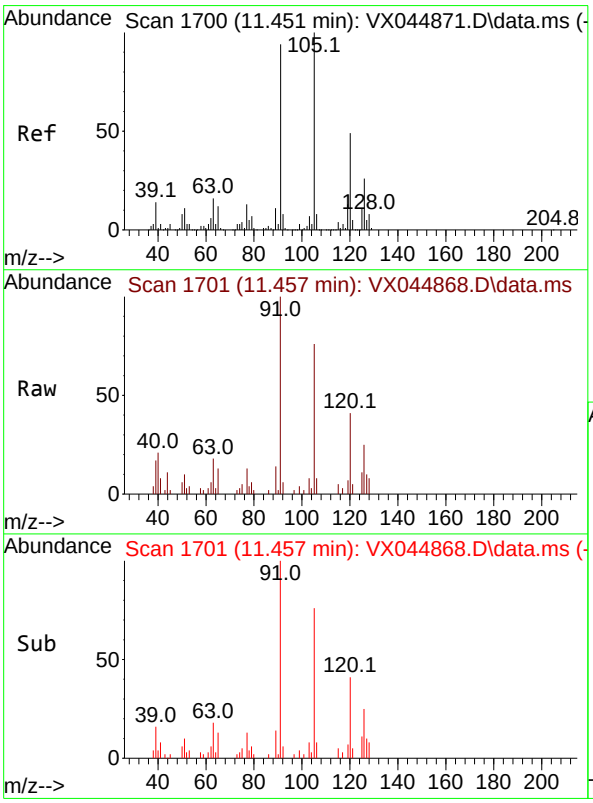
#81
trans-1,4-Dichloro-2-butene
Concen: 0.751 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 587

Ion	Ratio	Lower	Upper
75	100		
53	110.1	78.0	117.0
89	21.0	36.6	54.8#

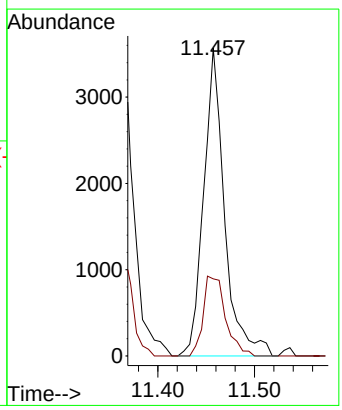


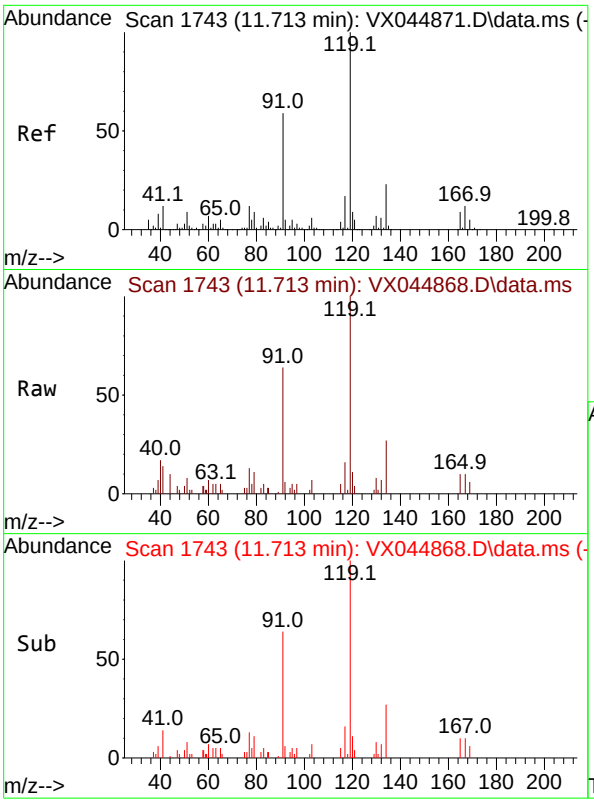


#82
4-Chlorotoluene
Concen: 0.936 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 5367

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.2	42.6



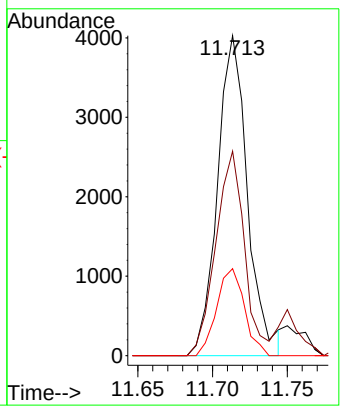


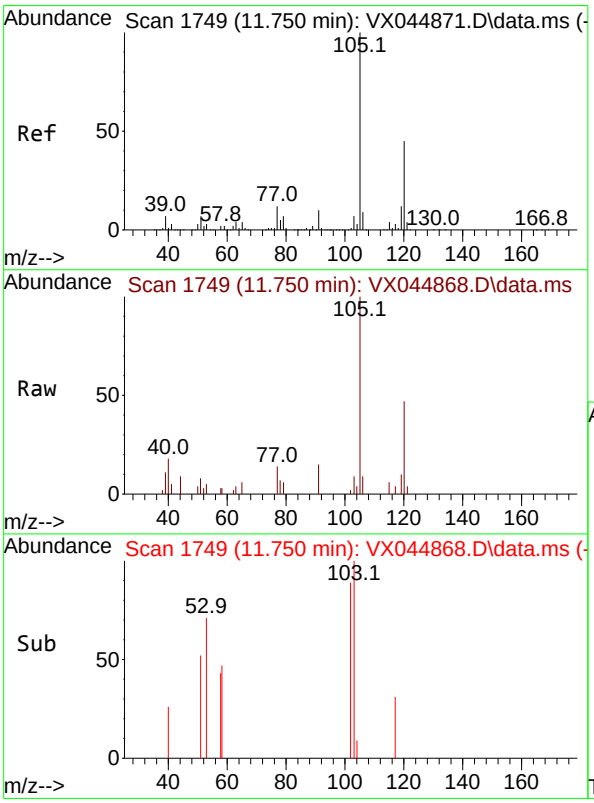
#83
tert-Butylbenzene
Concen: 0.937 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 5620

Ion	Ratio	Lower	Upper
119	100		
91	61.3	29.1	87.4
134	25.2	11.5	34.5

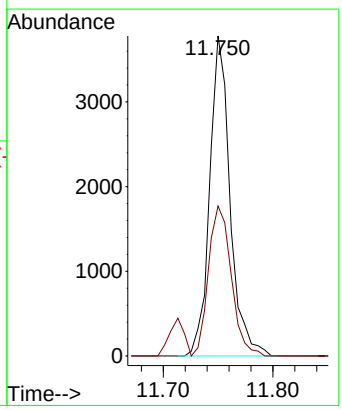


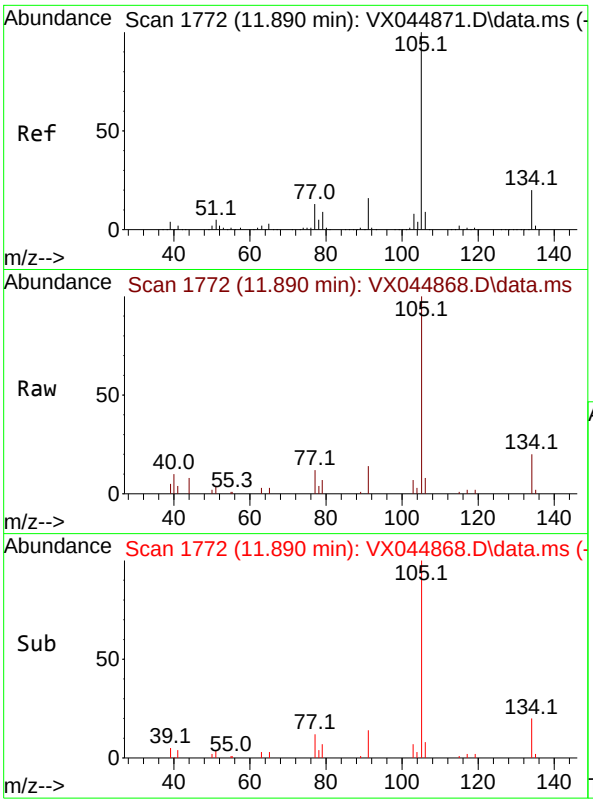


#84
1,2,4-Trimethylbenzene
Concen: 0.833 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:105 Resp: 4876

Ion	Ratio	Lower	Upper
105	100		
120	52.4	22.4	67.0



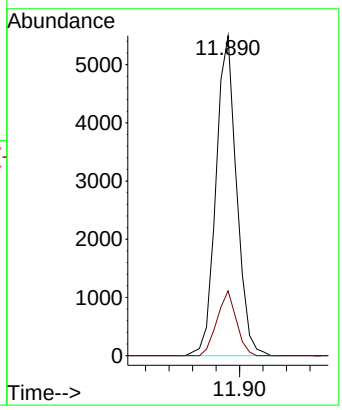


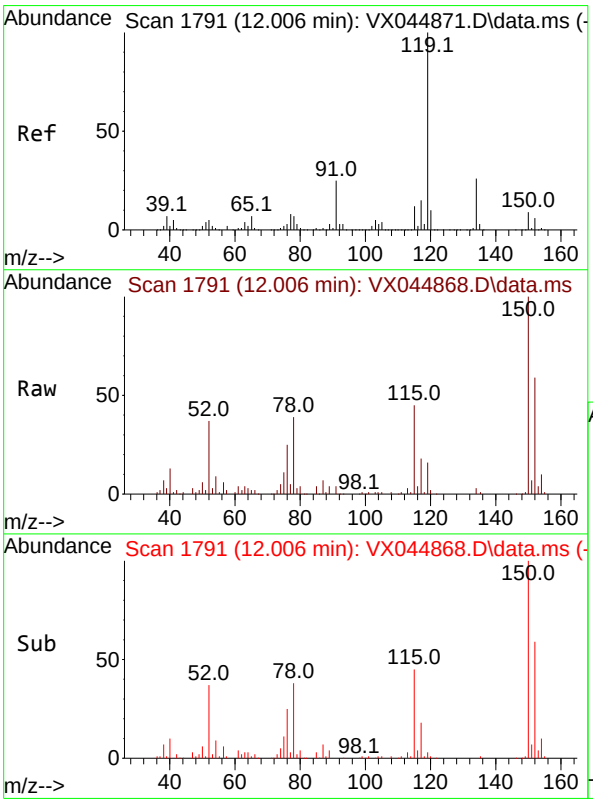
#85
sec-Butylbenzene
Concen: 0.902 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6700

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.3

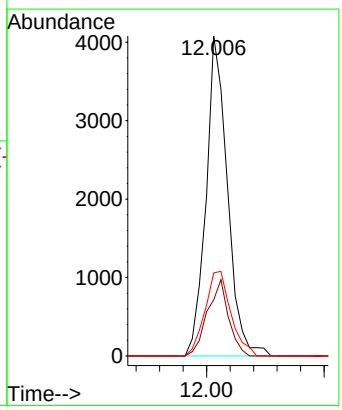


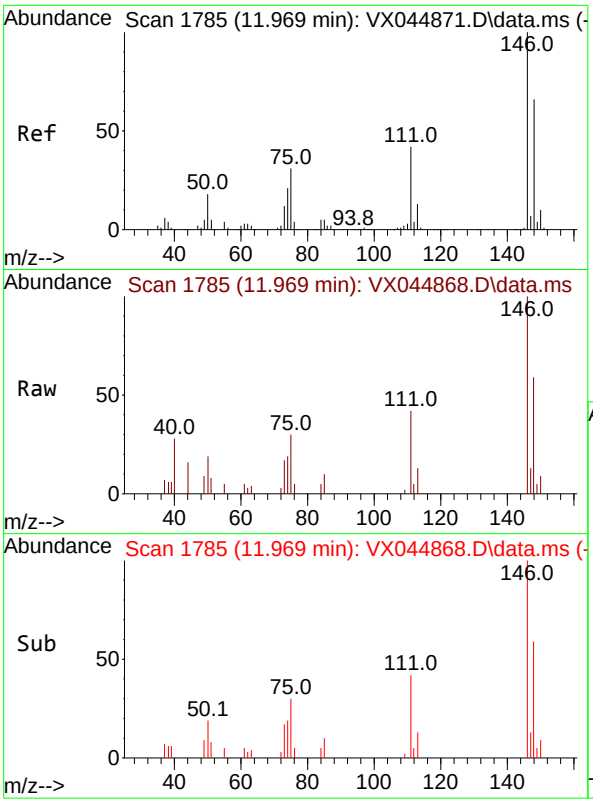


#86
p-Isopropyltoluene
Concen: 0.864 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:119 Resp: 5161

Ion	Ratio	Lower	Upper
119	100		
134	23.4	13.0	38.9
91	32.0	12.1	36.3



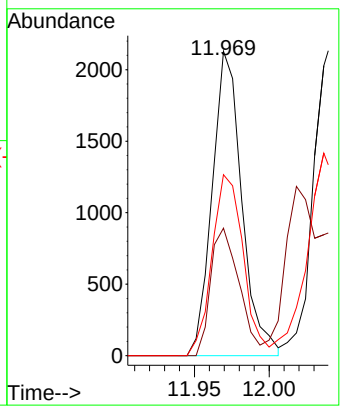


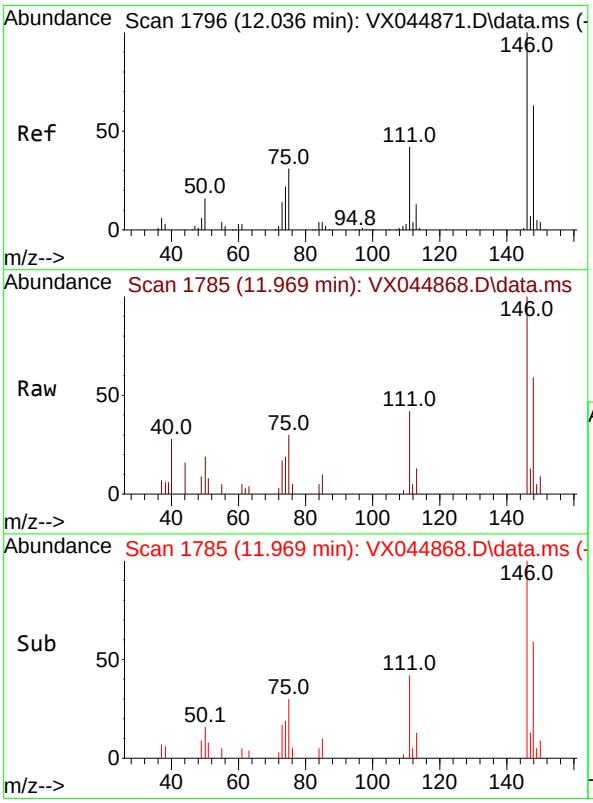
#87
1,3-Dichlorobenzene
Concen: 0.963 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2933

Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.2	63.6
148	62.8	32.5	97.5

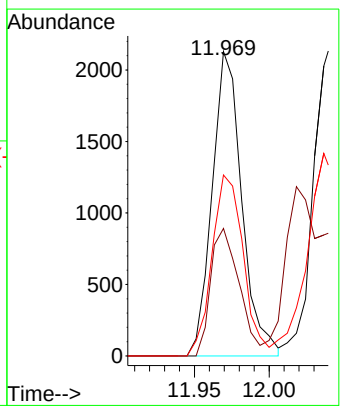


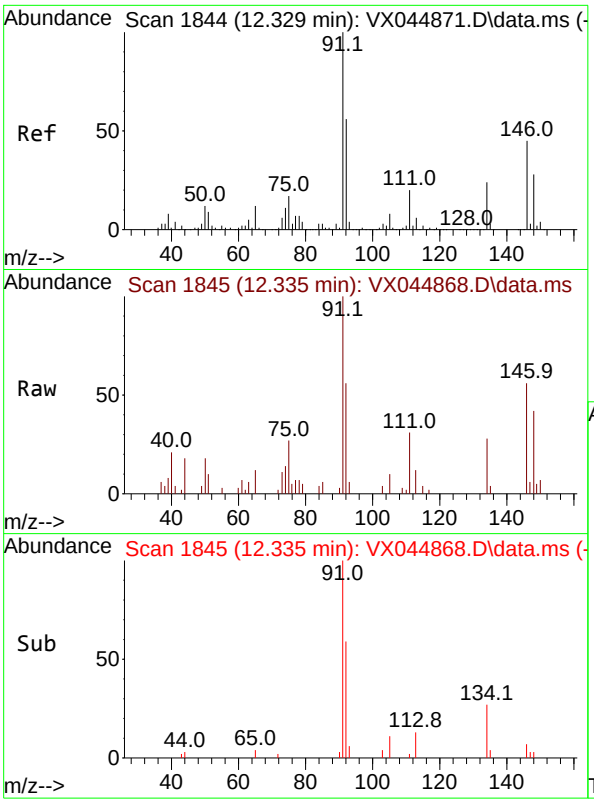


#88
1,4-Dichlorobenzene
Concen: 0.952 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:146 Resp: 2933

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	62.8	32.0	96.0



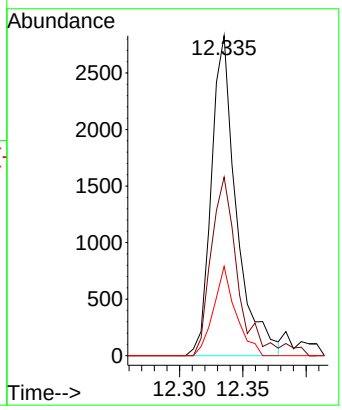


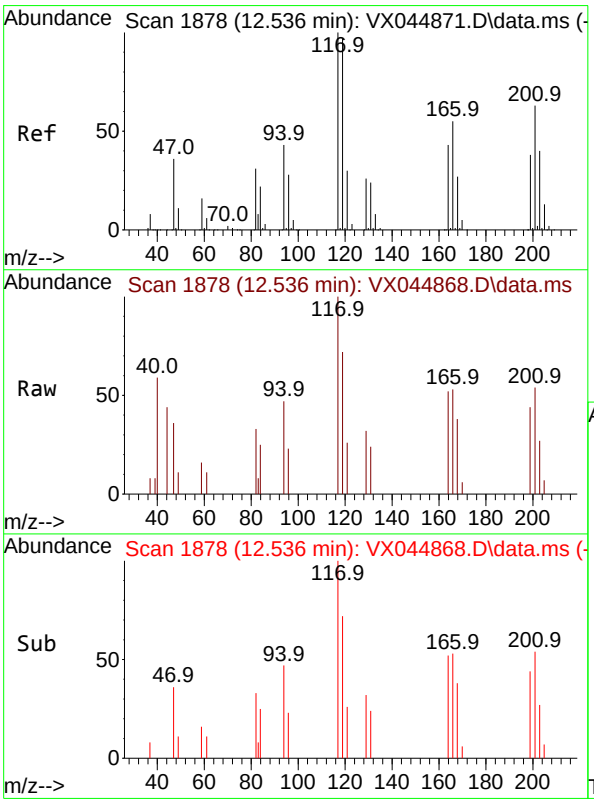
#89
n-Butylbenzene
Concen: 0.734 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3880

Ion	Ratio	Lower	Upper
91	100		
92	60.9	27.2	81.6
134	24.8	12.1	36.3

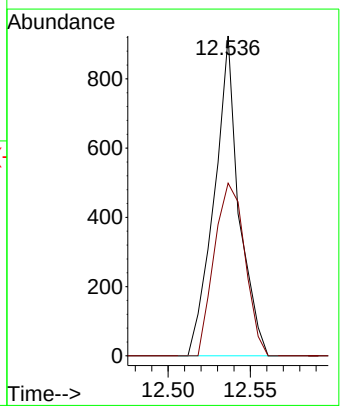


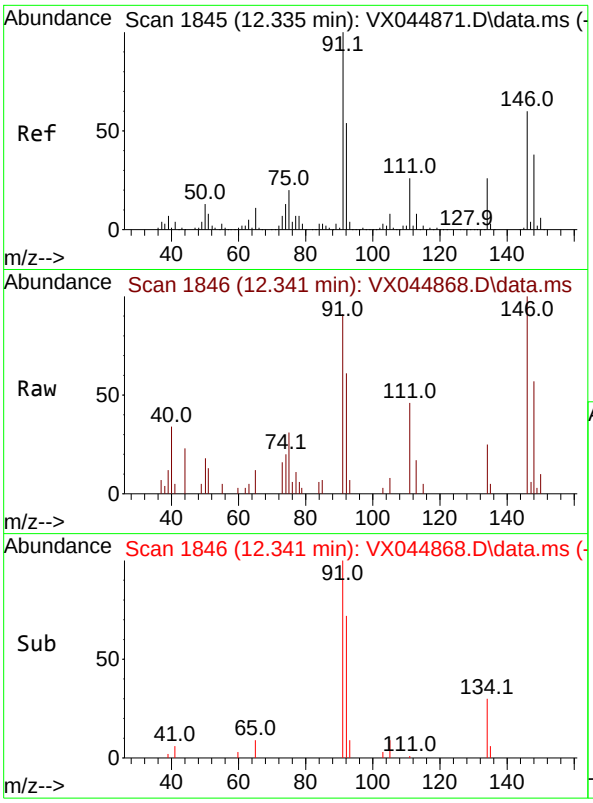


#90
Hexachloroethane
Concen: 0.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:117 Resp: 968

Ion	Ratio	Lower	Upper
117	100		
201	66.8	32.5	97.5



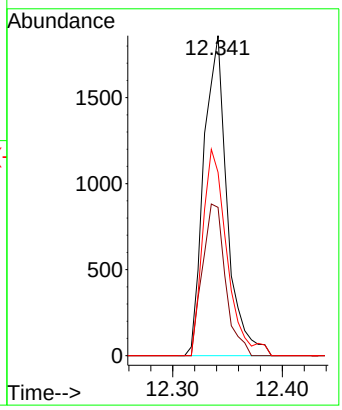


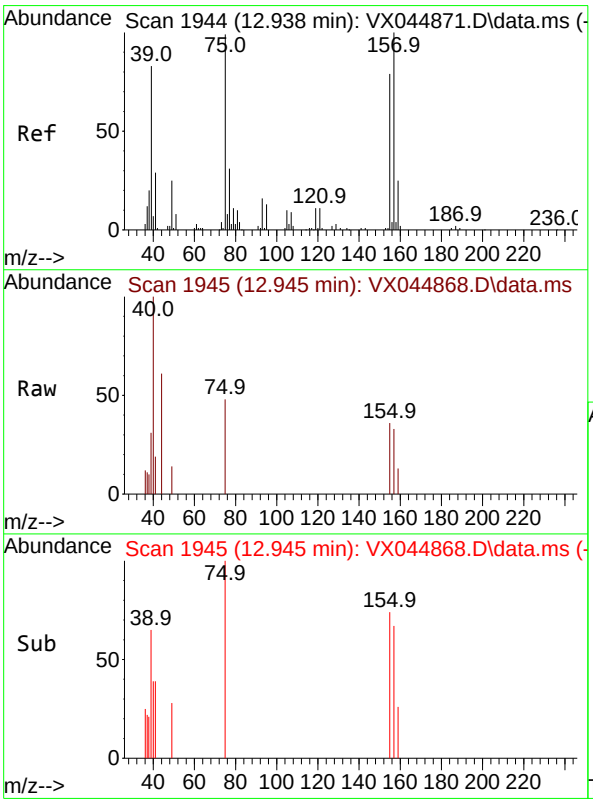
#91
1,2-Dichlorobenzene
Concen: 0.917 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2744

Ion	Ratio	Lower	Upper
146	100		
111	46.7	21.8	65.4
148	67.2	31.9	95.9

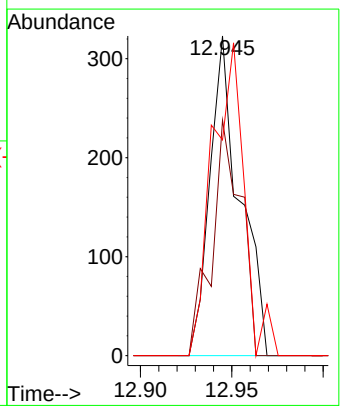


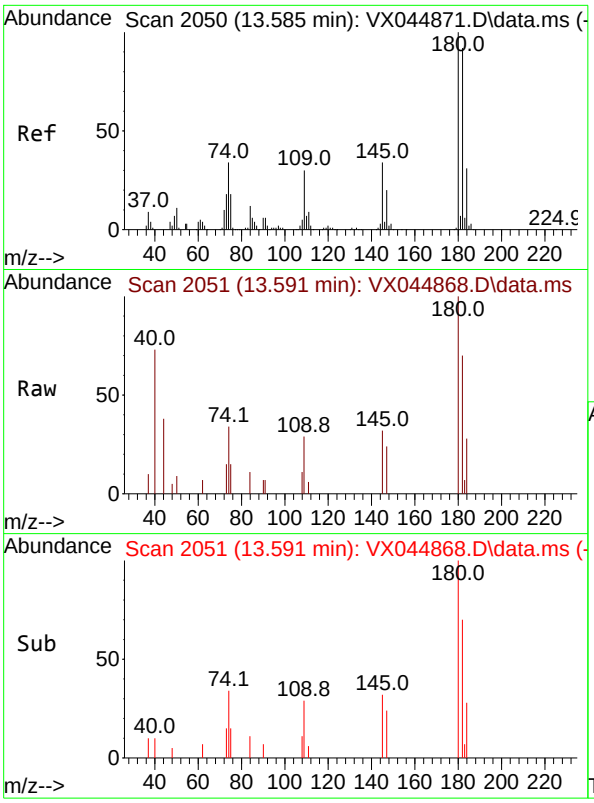


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.801 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 367

Ion	Ratio	Lower	Upper
75	100		
155	71.7	40.5	121.4
157	104.1	51.4	154.3



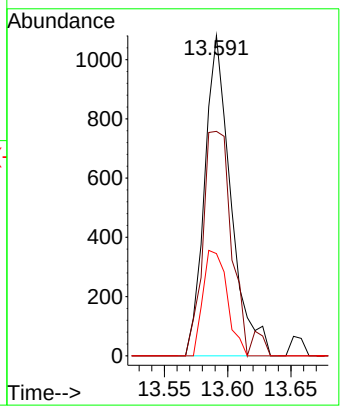


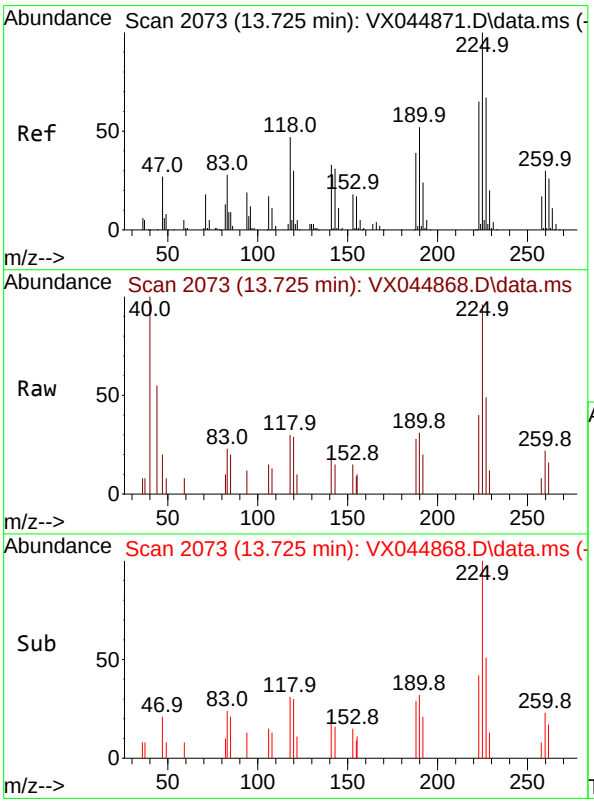
#93
1,2,4-Trichlorobenzene
Concen: 0.861 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 1560

Ion	Ratio	Lower	Upper
180	100		
182	78.7	47.6	142.8
145	30.4	16.4	49.1

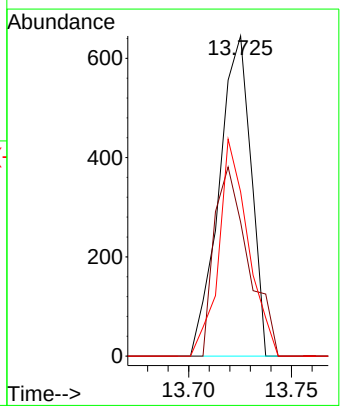


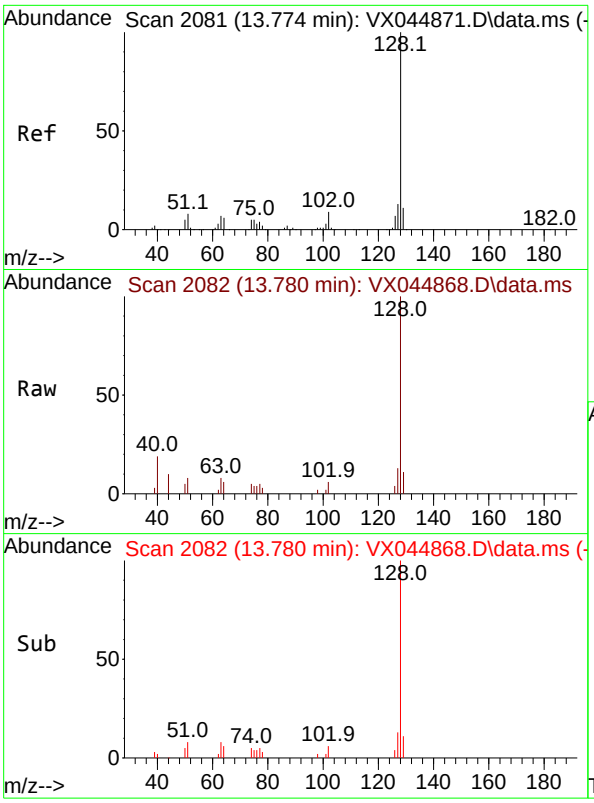


#94
Hexachlorobutadiene
Concen: 0.966 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:225 Resp: 695

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.2
227	62.6	32.3	96.8



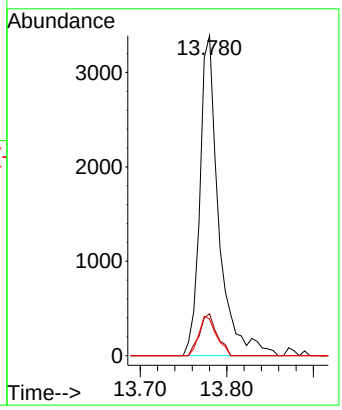


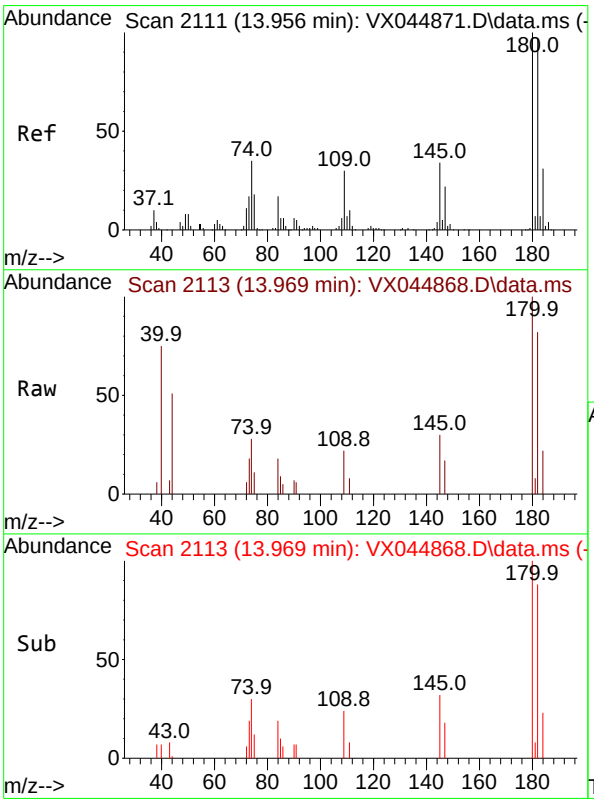
#95
Naphthalene
Concen: 0.783 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 5125

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.1	15.1
129	11.3	8.9	13.3

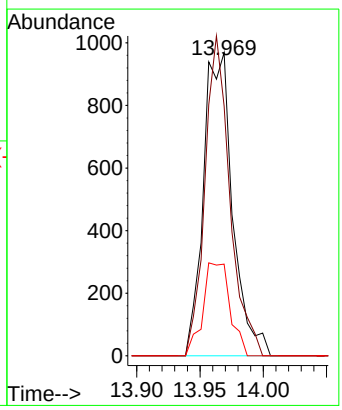




#96
1,2,3-Trichlorobenzene
Concen: 0.853 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:180 Resp: 1557

Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.9	143.6
145	28.5	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 11 01:59:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	136105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	10397	5.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.440%#			
35) Dibromofluoromethane	5.385	113	8482	5.150	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.300%#			
50) Toluene-d8	8.647	98	31381	5.039	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.080%#			
62) 4-Bromofluorobenzene	11.079	95	10229	4.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.740%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	9109	4.772	ug/l	94
3) Chloromethane	1.301	50	11711	5.041	ug/l	97
4) Vinyl Chloride	1.374	62	11509	5.113	ug/l	94
5) Bromomethane	1.593	94	3371	5.005	ug/l	89
6) Chloroethane	1.660	64	4436	5.565	ug/l	99
7) Trichlorofluoromethane	1.868	101	14506	5.096	ug/l	100
8) Diethyl Ether	2.136	74	5062	4.904	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	8805	5.120	ug/l	98
10) Methyl Iodide	2.447	142	10233	4.591	ug/l	99
11) Tert butyl alcohol	2.983	59	10044	27.175	ug/l	100
12) 1,1-Dichloroethene	2.307	96	8692	4.955	ug/l	95
13) Acrolein	2.239	56	9750	25.567	ug/l	98
14) Allyl chloride	2.660	41	15649	4.936	ug/l	98
15) Acrylonitrile	3.062	53	24101	24.422	ug/l	98
16) Acetone	2.386	43	19877	24.817	ug/l	99
17) Carbon Disulfide	2.502	76	23568	4.899	ug/l	98
18) Methyl Acetate	2.703	43	12257	4.850	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	28100	5.034	ug/l	99
20) Methylene Chloride	2.782	84	9757	4.973	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	8470	4.906	ug/l	94
22) Diisopropyl ether	3.757	45	29768	4.963	ug/l #	80
23) Vinyl Acetate	3.721	43	119108	24.358	ug/l	98
24) 1,1-Dichloroethane	3.605	63	17113	5.099	ug/l	98
25) 2-Butanone	4.568	43	32121	24.698	ug/l	98
26) 2,2-Dichloropropane	4.459	77	13365	5.022	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	10662	5.141	ug/l	95
28) Bromochloromethane	4.898	49	7881	4.886	ug/l #	96
29) Tetrahydrofuran	5.013	42	21097	24.429	ug/l	98
30) Chloroform	5.087	83	16449	5.054	ug/l	98
31) Cyclohexane	5.464	56	15705	5.076	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	13658	4.947	ug/l	98
36) 1,1-Dichloropropene	5.684	75	11835	4.981	ug/l	98
37) Ethyl Acetate	4.721	43	13530	5.119	ug/l	99
38) Carbon Tetrachloride	5.672	117	11797	5.066	ug/l	97
39) Methylcyclohexane	7.373	83	14472	4.711	ug/l	96
40) Benzene	6.038	78	37687	5.079	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 11 01:59:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	6648	4.699	ug/l		96
42) 1,2-Dichloroethane	6.086	62	11789	4.985	ug/l		100
43) Isopropyl Acetate	6.342	43	19803	4.640	ug/l		99
44) Trichloroethene	7.123	130	8614	5.079	ug/l		95
45) 1,2-Dichloropropane	7.428	63	8976	4.863	ug/l		98
46) Dibromomethane	7.586	93	6210	4.851	ug/l		95
47) Bromodichloromethane	7.818	83	12173	4.911	ug/l		94
48) Methyl methacrylate	7.702	41	9298	4.620	ug/l		98
49) 1,4-Dioxane	7.678	88	4365	101.099	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	65064	25.076	ug/l		100
52) Toluene	8.720	92	22090	4.999	ug/l		96
53) t-1,3-Dichloropropene	8.976	75	11413	4.550	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	12943	4.628	ug/l	#	88
55) 1,1,2-Trichloroethane	9.153	97	8662	5.099	ug/l		98
56) Ethyl methacrylate	9.116	69	12351	4.502	ug/l		96
57) 1,3-Dichloropropane	9.305	76	14839	4.993	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	31498	23.382	ug/l		99
59) 2-Hexanone	9.433	43	45538	24.359	ug/l		99
60) Dibromochloromethane	9.519	129	8668	4.771	ug/l		99
61) 1,2-Dibromoethane	9.610	107	8353	4.852	ug/l		96
64) Tetrachloroethene	9.269	164	6803	4.934	ug/l		95
65) Chlorobenzene	10.079	112	23903	5.090	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	7380	4.883	ug/l		97
67) Ethyl Benzene	10.189	91	40945	4.941	ug/l		97
68) m/p-Xylenes	10.299	106	30627	10.019	ug/l		100
69) o-Xylene	10.640	106	15761	5.139	ug/l		98
70) Styrene	10.653	104	24576	4.973	ug/l		99
71) Bromoform	10.799	173	5391	4.779	ug/l	#	97
73) Isopropylbenzene	10.957	105	38315	4.983	ug/l		100
74) N-amyl acetate	10.842	43	16653	4.786	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	13394	5.069	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	13757	6.498	ug/l		87
77) Bromobenzene	11.195	156	8789	5.042	ug/l		97
78) n-propylbenzene	11.305	91	43923	4.949	ug/l		99
79) 2-Chlorotoluene	11.360	91	27311	5.007	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	31761	5.090	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	3303	4.013	ug/l		87
82) 4-Chlorotoluene	11.451	91	30138	4.994	ug/l		99
83) tert-Butylbenzene	11.713	119	31992	5.068	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	31053	5.042	ug/l		98
85) sec-Butylbenzene	11.890	105	38437	4.917	ug/l		98
86) p-Isopropyltoluene	12.006	119	30835	4.905	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	15935	4.971	ug/l		95
88) 1,4-Dichlorobenzene	12.036	146	16347	5.043	ug/l		95
89) n-Butylbenzene	12.329	91	25747	4.630	ug/l		97
90) Hexachloroethane	12.536	117	5620	4.775	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	16362	5.193	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2254	4.674	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	8923	4.680	ug/l		99
94) Hexachlorobutadiene	13.719	225	3595	4.750	ug/l		99
95) Naphthalene	13.774	128	32776	4.756	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	9093	4.733	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 11 01:59:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

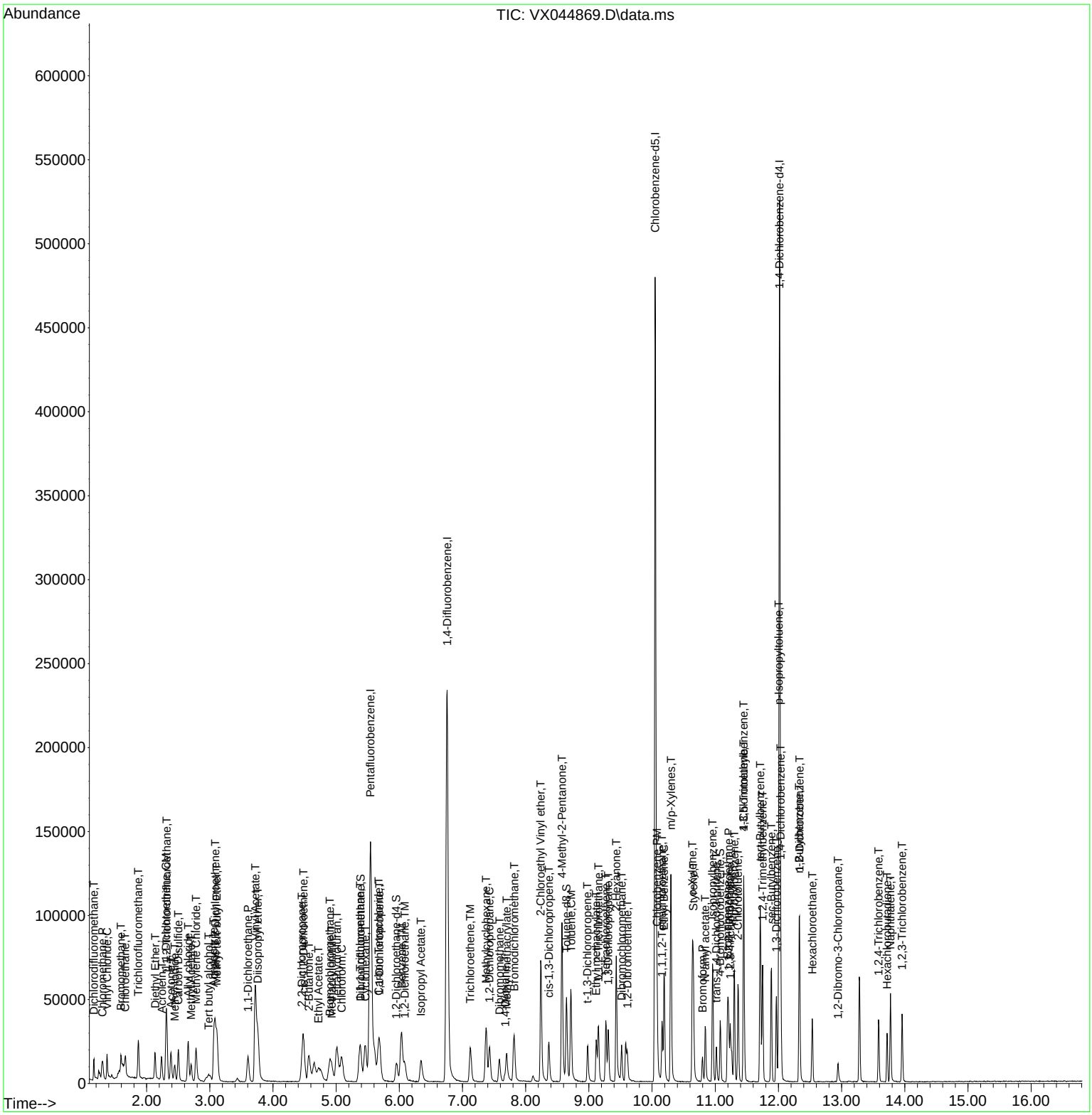
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

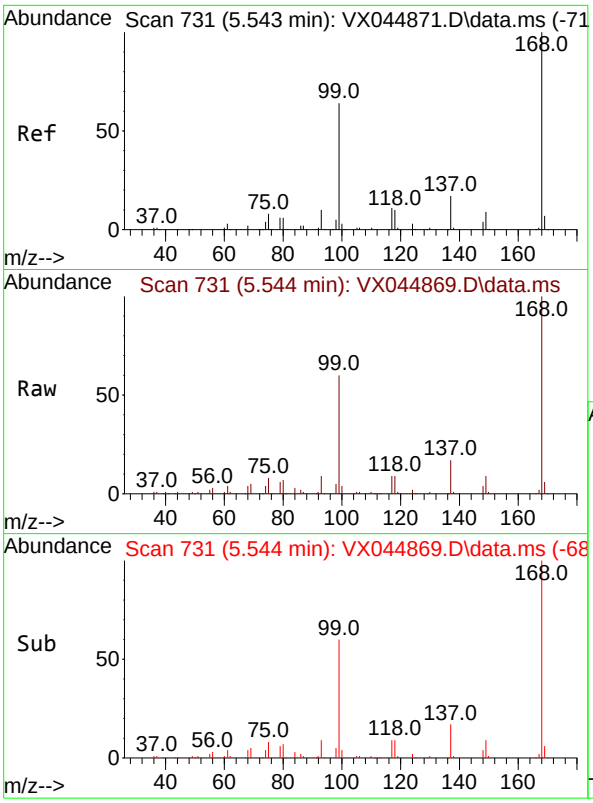
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 11 01:59:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration



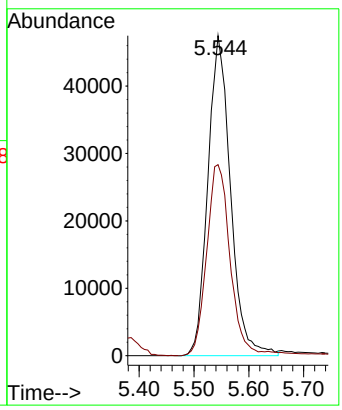


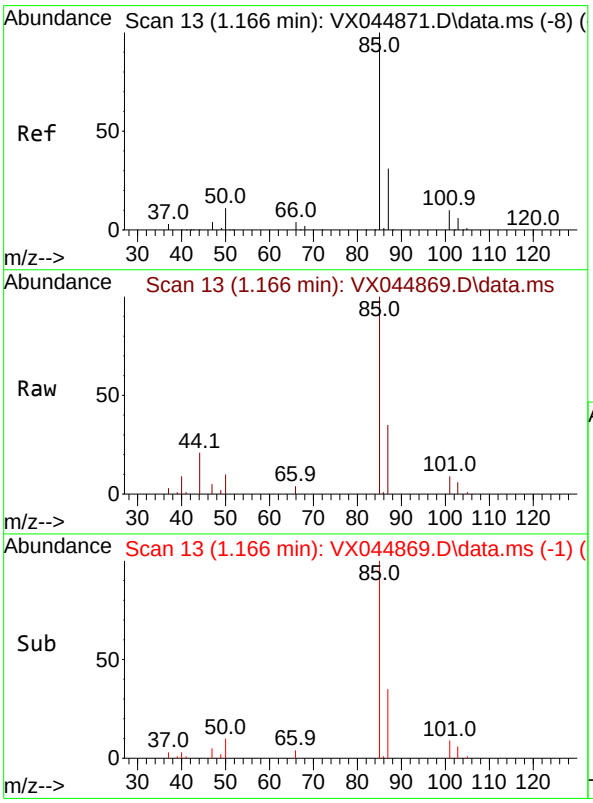
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 136105

Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.2	76.8

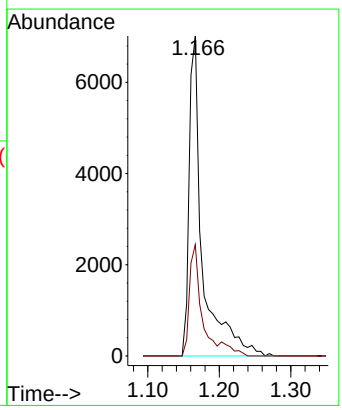


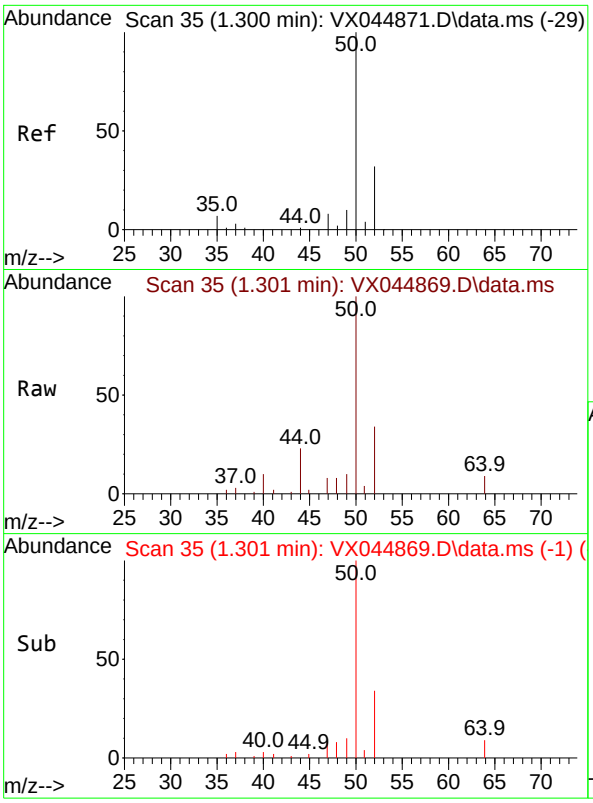


#2
Dichlorodifluoromethane
Concen: 4.772 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 85 Resp: 9109

Ion	Ratio	Lower	Upper
85	100		
87	34.8	15.8	47.3



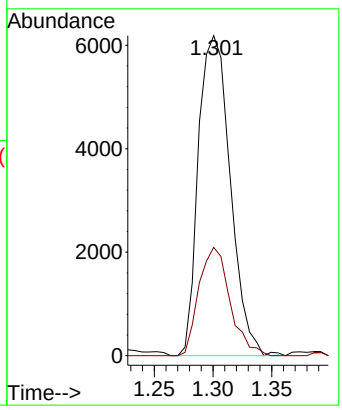


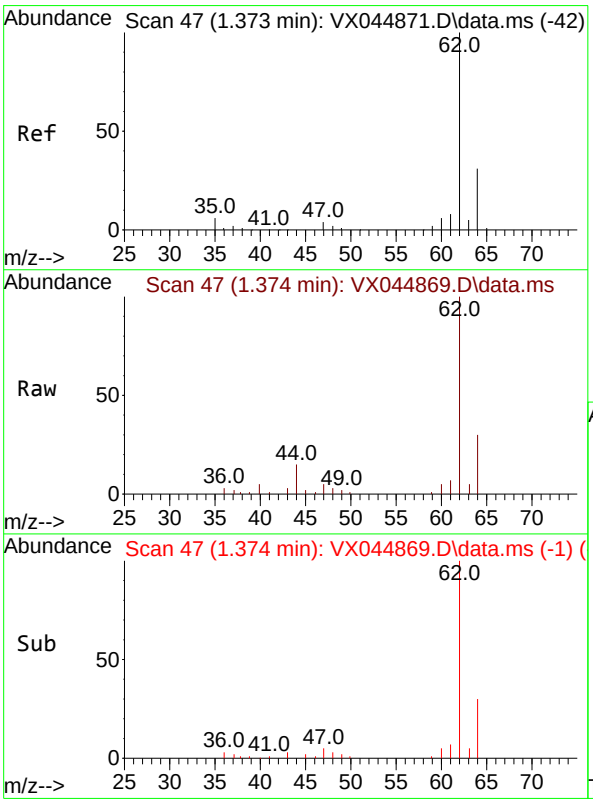
#3
Chloromethane
Concen: 5.041 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 11711

Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.9	38.9

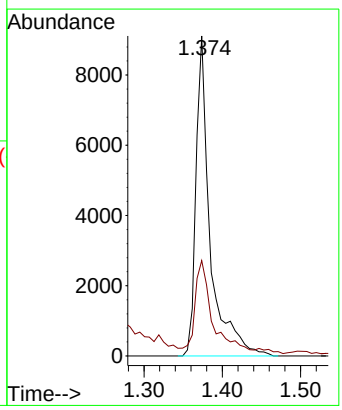


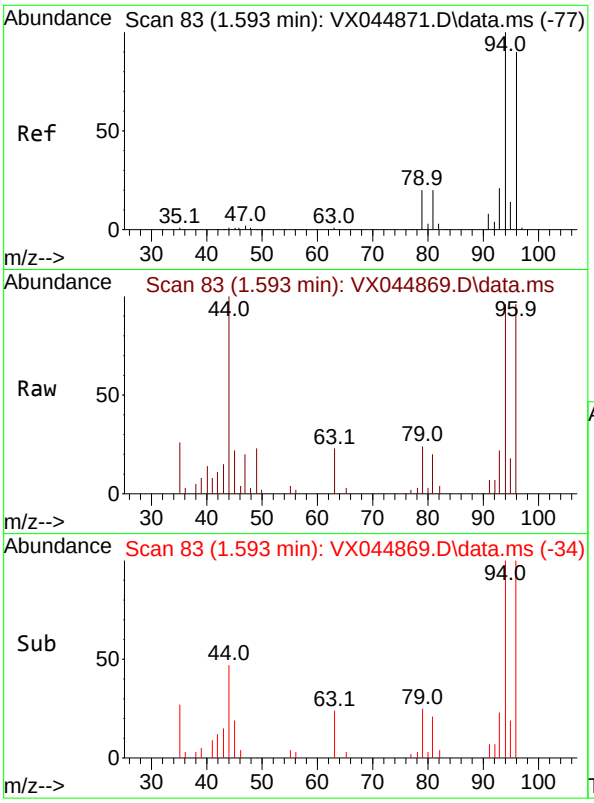


#4
Vinyl Chloride
Concen: 5.113 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11509

Ion	Ratio	Lower	Upper
62	100		
64	28.4	25.4	38.0



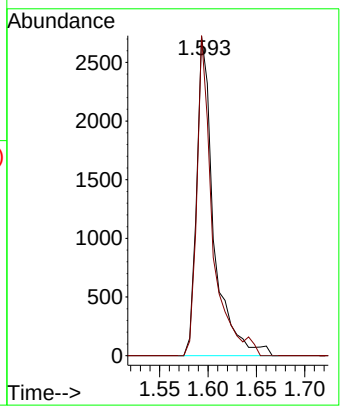


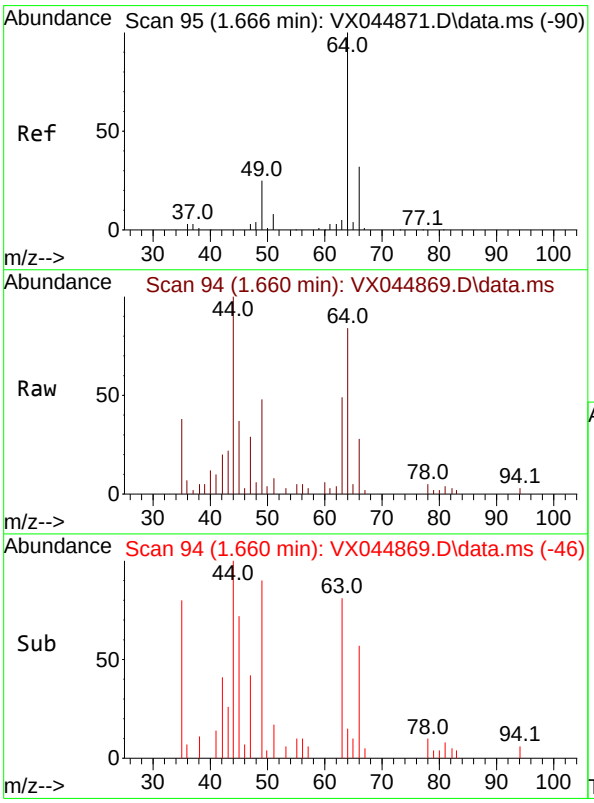
#5
Bromomethane
Concen: 5.005 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3371

Ion	Ratio	Lower	Upper
94	100		
96	100.2	71.6	107.4

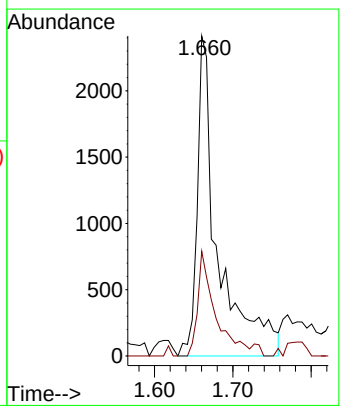


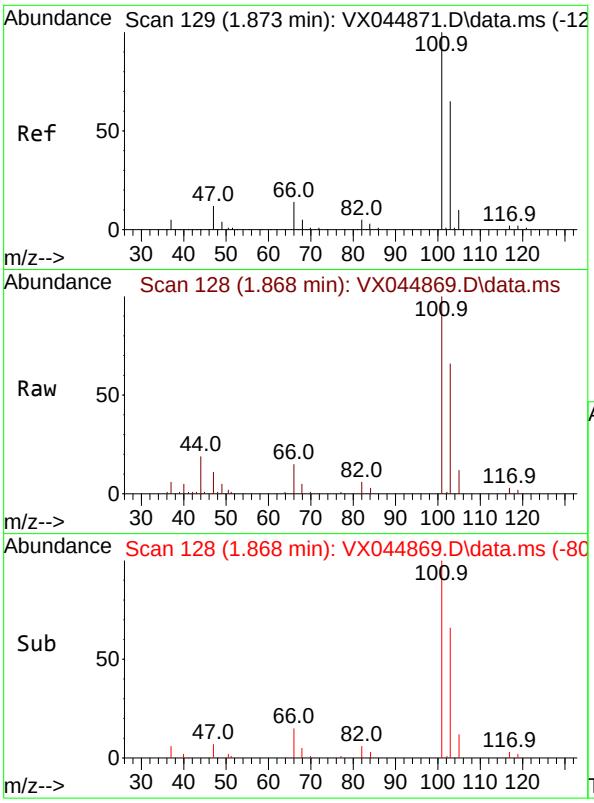


#6
Chloroethane
Concen: 5.565 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 64 Resp: 4436

Ion	Ratio	Lower	Upper
64	100		
66	32.8	25.9	38.9



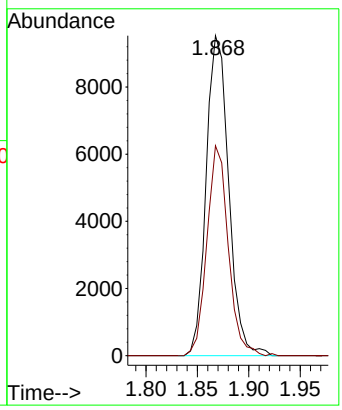


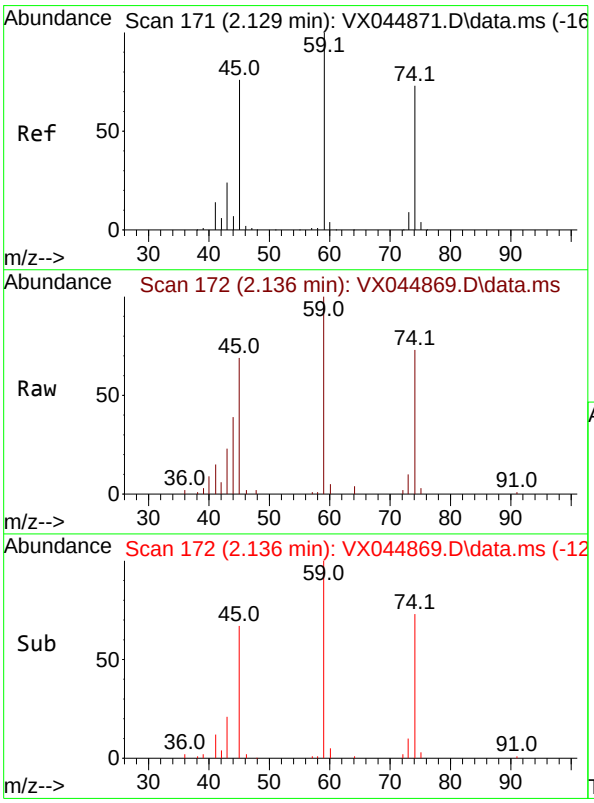
#7
Trichlorofluoromethane
Concen: 5.096 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 14506

Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.4	78.6

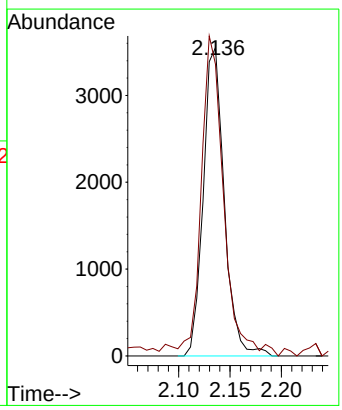


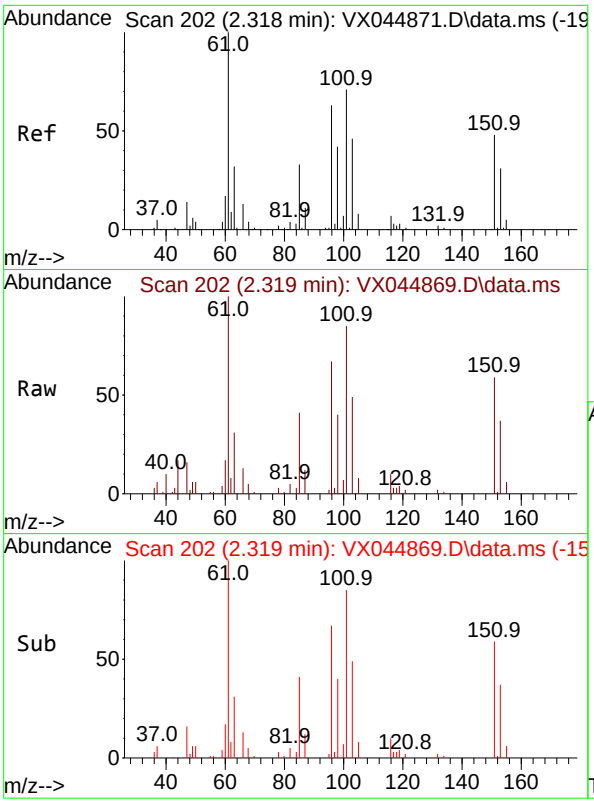


#8
Diethyl Ether
Concen: 4.904 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 74 Resp: 5062

Ion	Ratio	Lower	Upper
74	100		
45	112.2	51.1	153.4



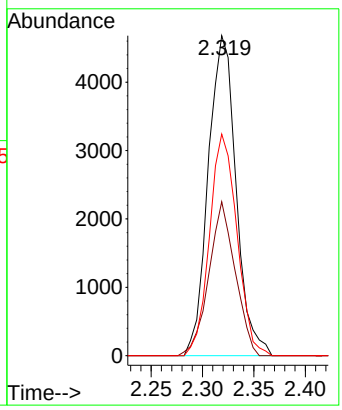


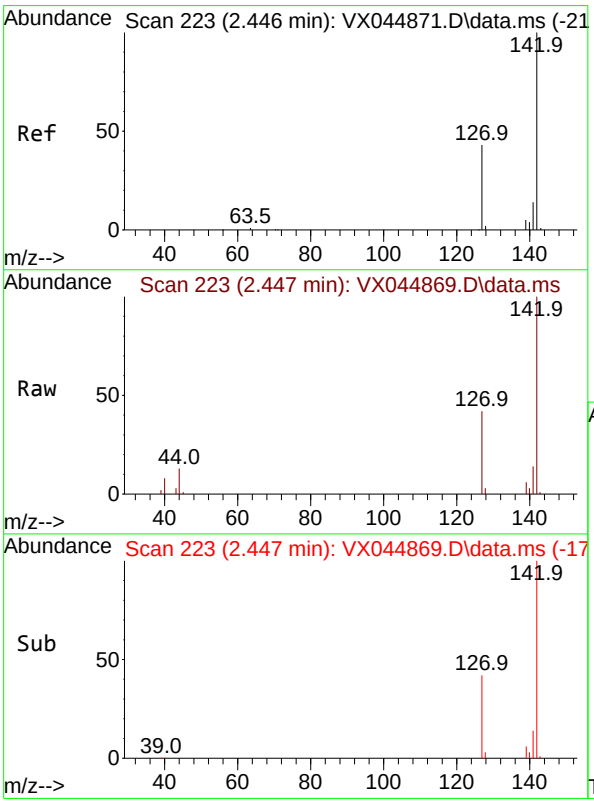
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.120 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 8805

Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.7	53.5
151	68.3	56.0	84.0

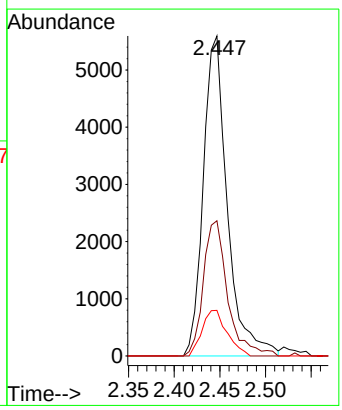


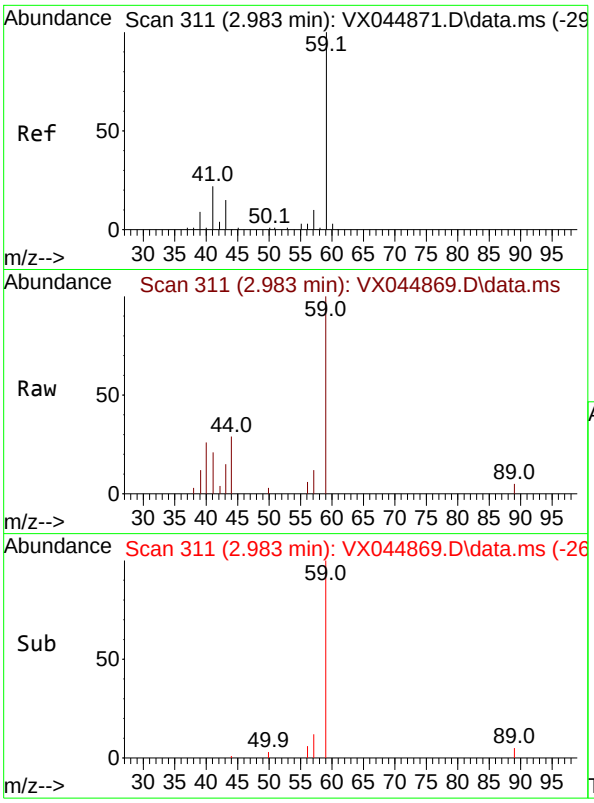


#10
Methyl Iodide
Concen: 4.591 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:142 Resp: 10233

Ion	Ratio	Lower	Upper
142	100		
127	42.7	34.3	51.5
141	14.8	11.4	17.2



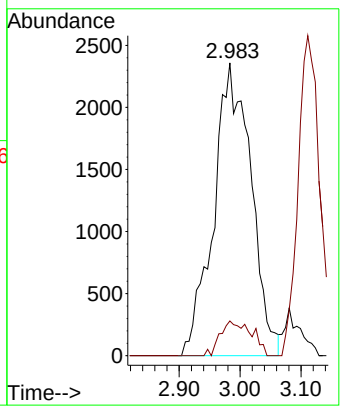


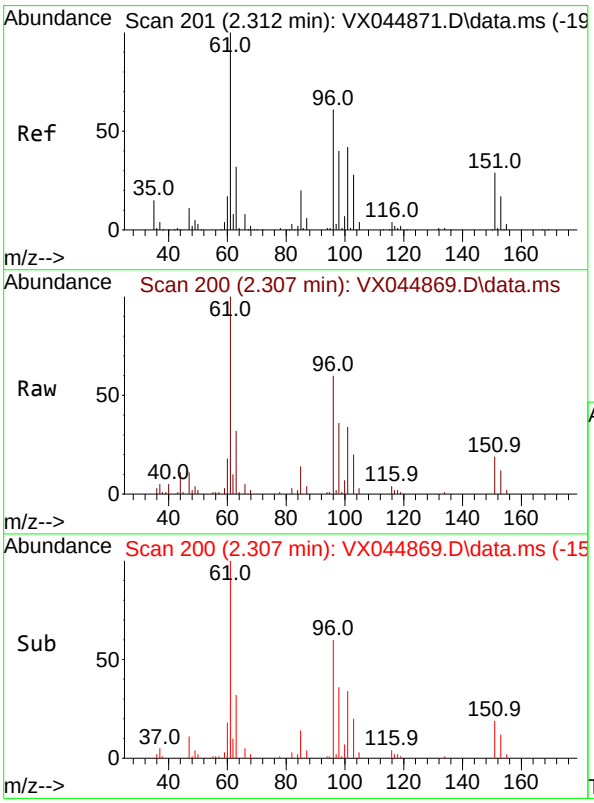
#11
Tert butyl alcohol
Concen: 27.175 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 10044

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

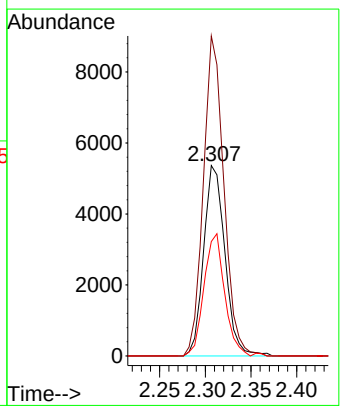


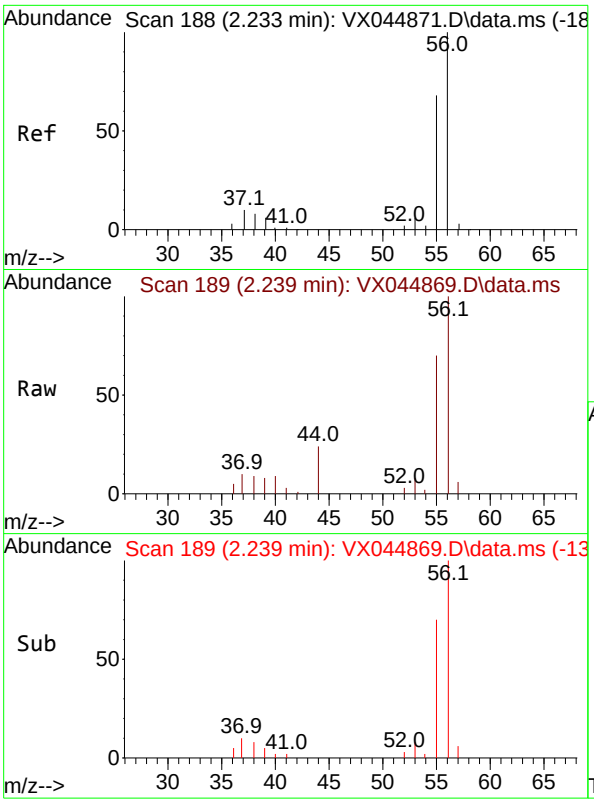


#12
1,1-Dichloroethene
Concen: 4.955 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 96 Resp: 8692

Ion	Ratio	Lower	Upper
96	100		
61	168.0	130.2	195.4
98	60.1	52.2	78.4



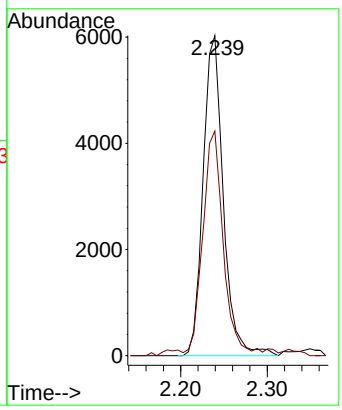


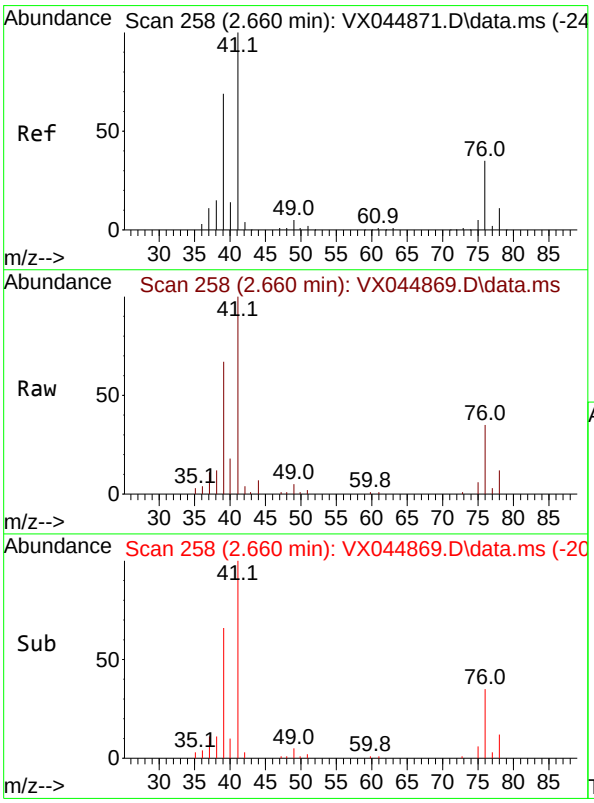
#13
Acrolein
Concen: 25.567 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 9750

Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.7	83.5

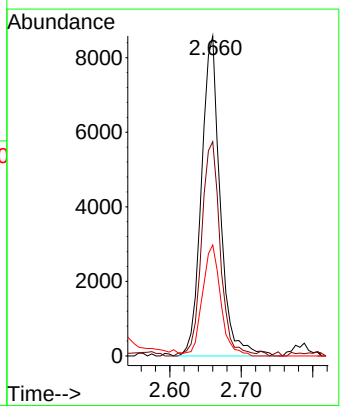


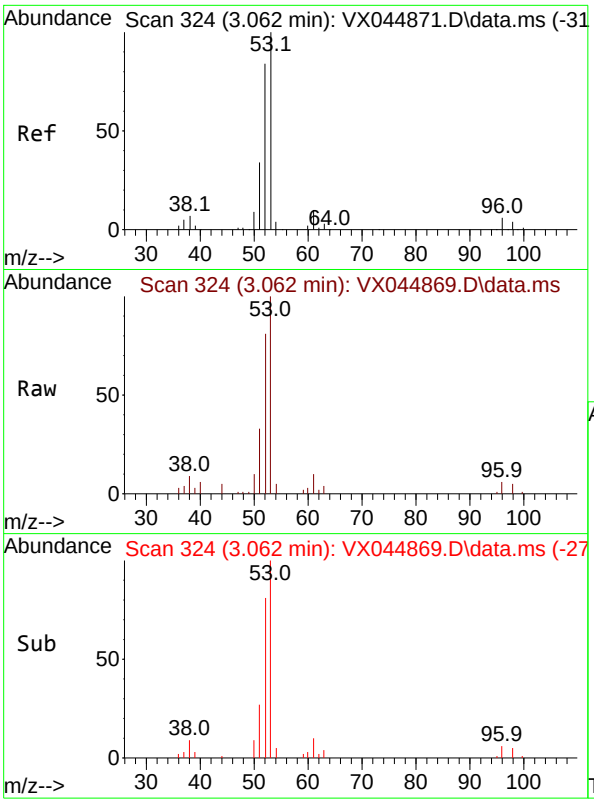


#14
Allyl chloride
Concen: 4.936 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 15649

Ion	Ratio	Lower	Upper
41	100		
39	66.7	51.4	77.2
76	33.9	27.0	40.4



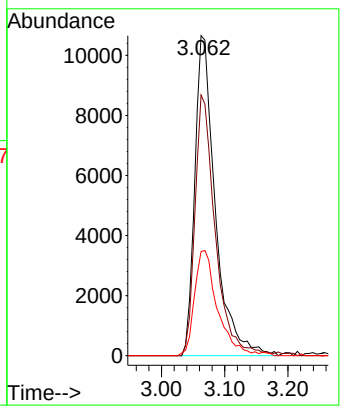


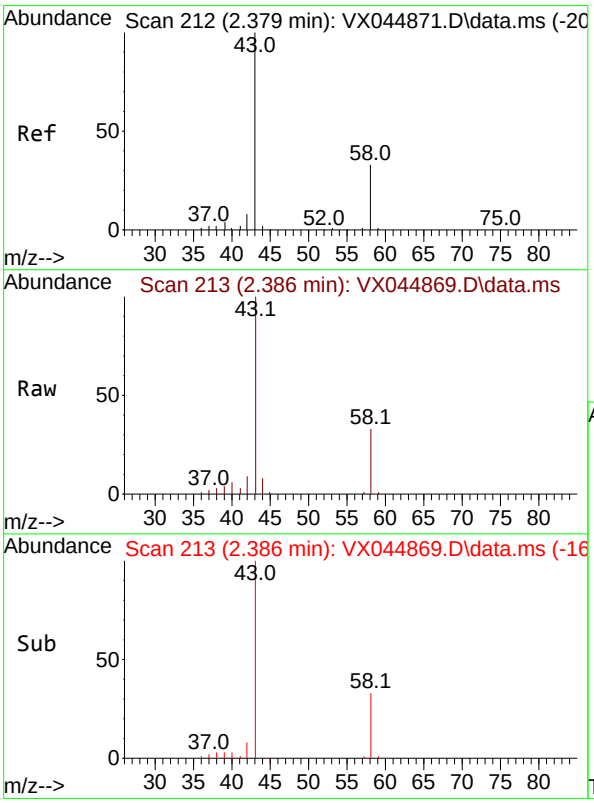
#15
Acrylonitrile
Concen: 24.422 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 24101

Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	36.6	28.0	42.0

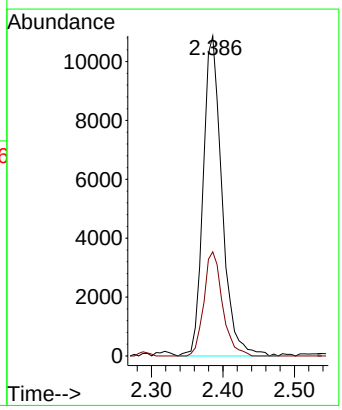


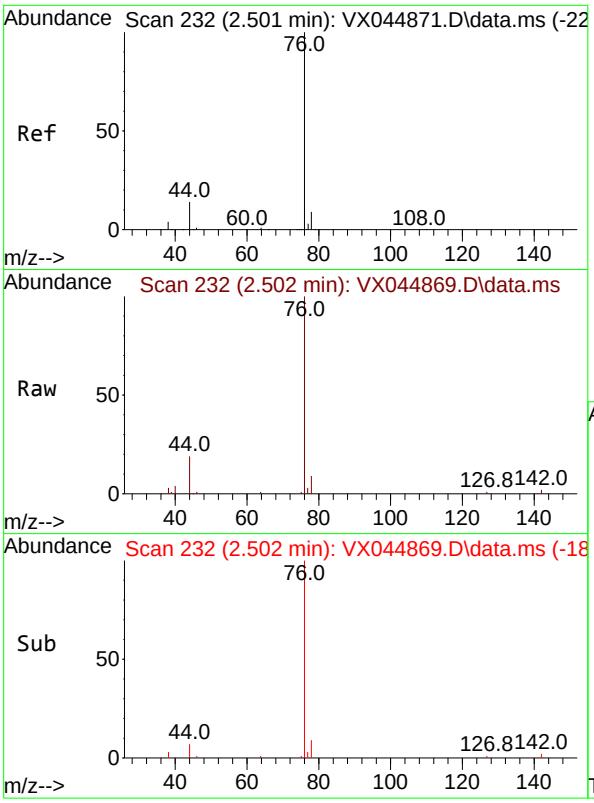


#16
Acetone
Concen: 24.817 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 19877

Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7



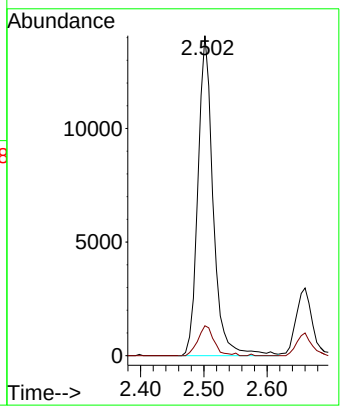


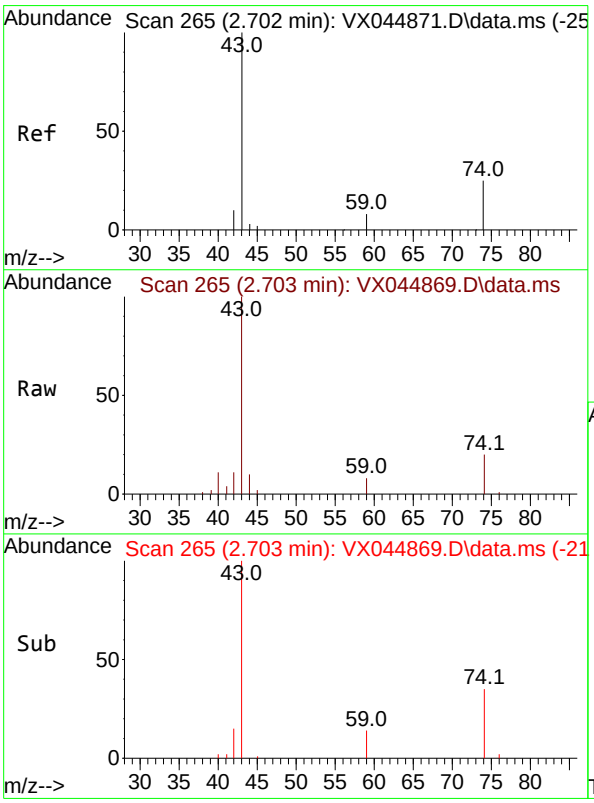
#17
Carbon Disulfide
Concen: 4.899 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 23568

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

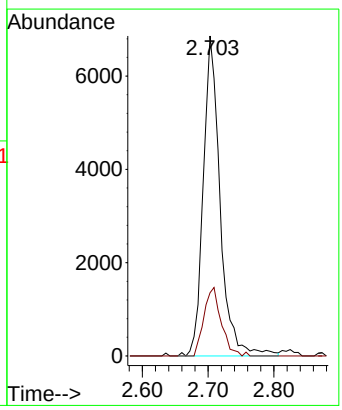


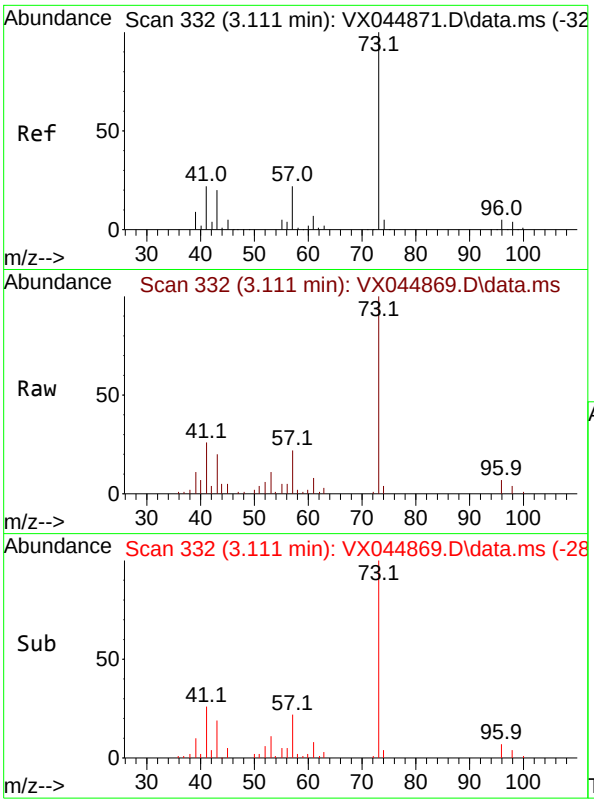


#18
Methyl Acetate
Concen: 4.850 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 12257

Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.9	28.3



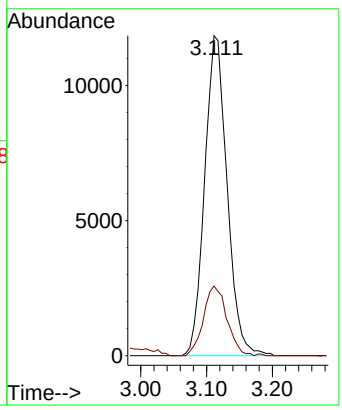


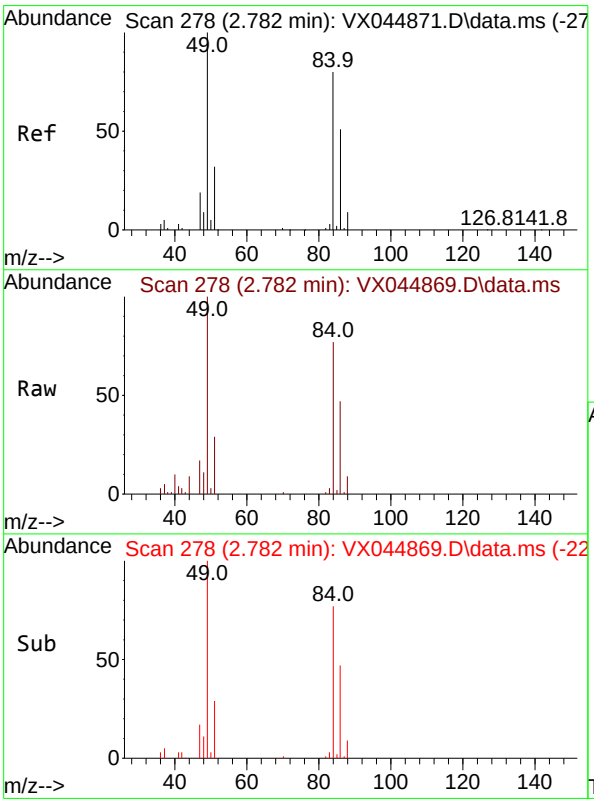
#19
Methyl tert-butyl Ether
Concen: 5.034 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 28100

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.9	26.9

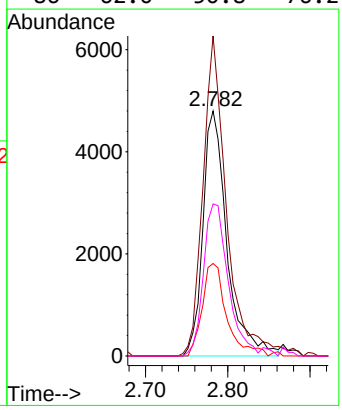


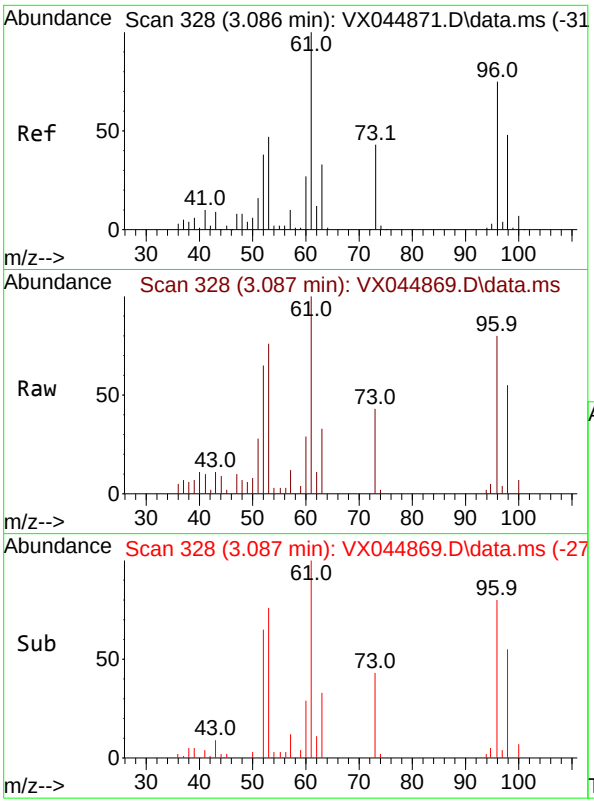


#20
Methylene Chloride
Concen: 4.973 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 84 Resp: 9757

Ion	Ratio	Lower	Upper
84	100		
49	130.7	100.1	150.1
51	37.7	31.7	47.5
86	62.0	50.8	76.2



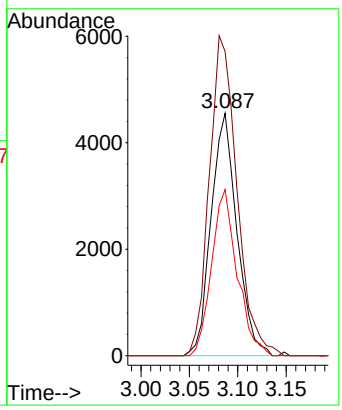


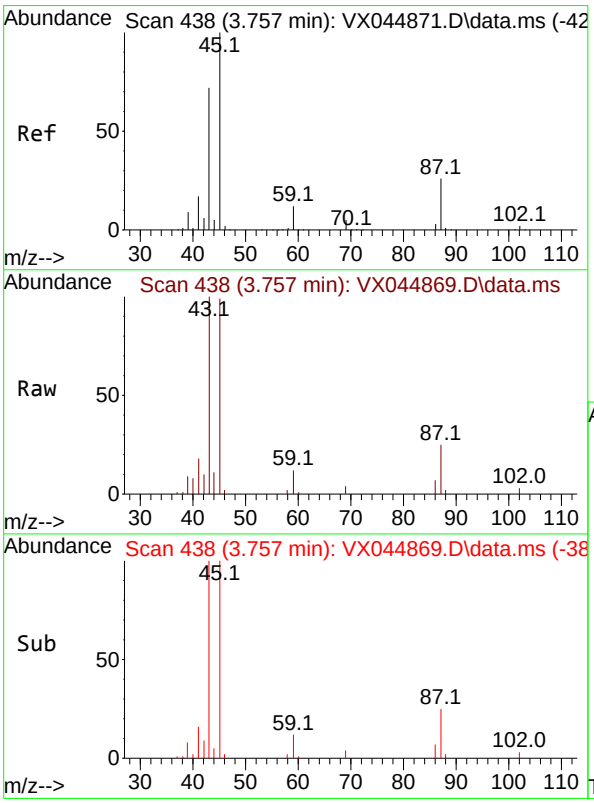
#21
trans-1,2-Dichloroethene
Concen: 4.906 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 8470

Ion	Ratio	Lower	Upper
96	100		
61	125.5	106.0	159.0
98	68.5	50.6	76.0

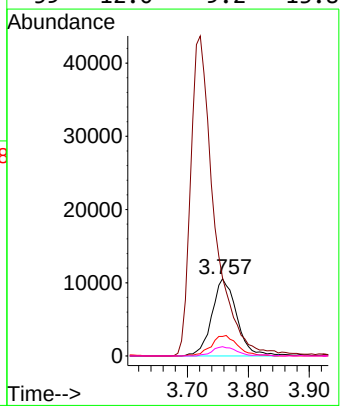


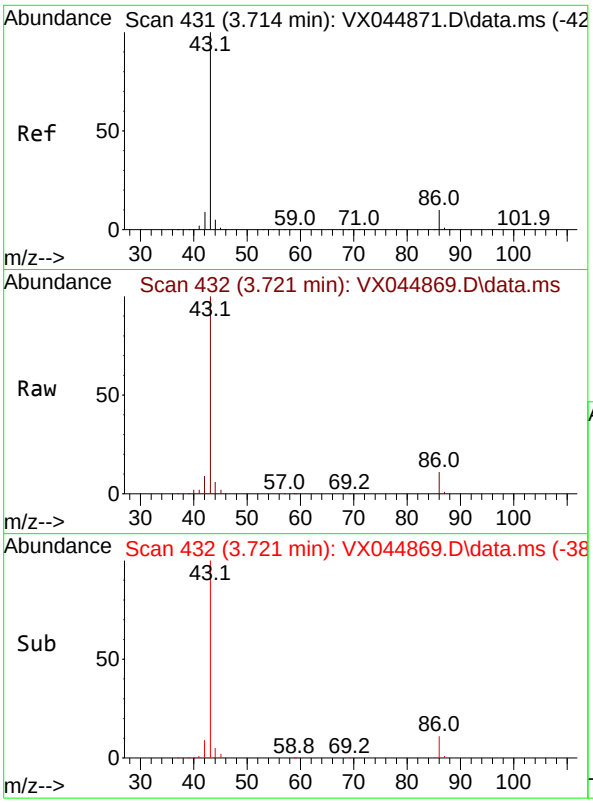


#22
Diisopropyl ether
Concen: 4.963 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 45 Resp: 29768

Ion	Ratio	Lower	Upper
45	100		
43	97.8	58.0	87.0#
87	25.2	20.7	31.1
59	12.0	9.2	13.8



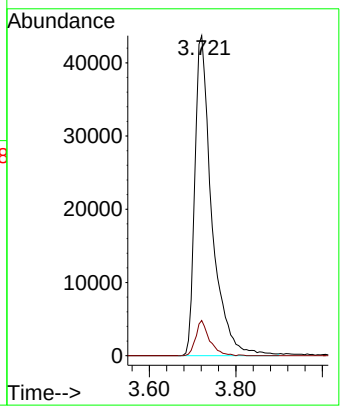


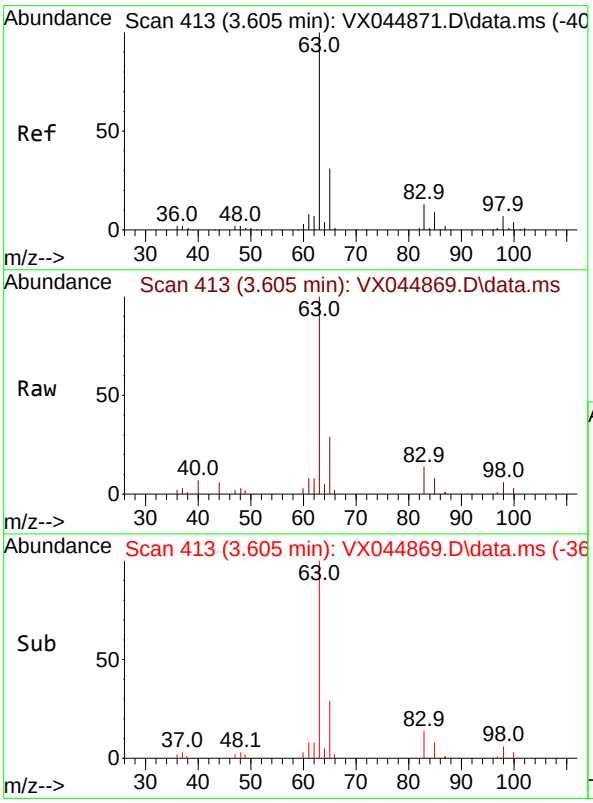
#23
Vinyl Acetate
Concen: 24.358 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 119108

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.3	12.5

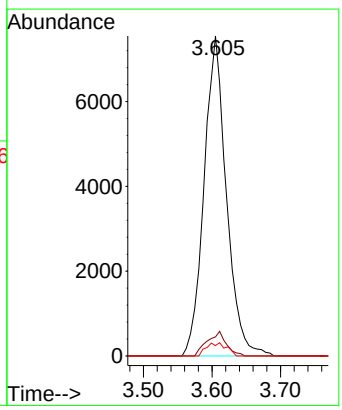


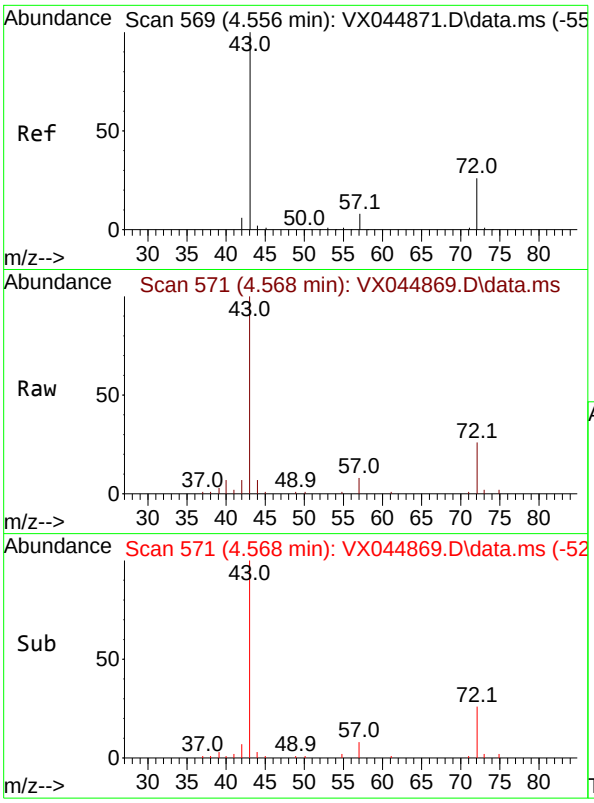


#24
1,1-Dichloroethane
Concen: 5.099 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 17113

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.3	9.9
100	3.2	2.1	6.5



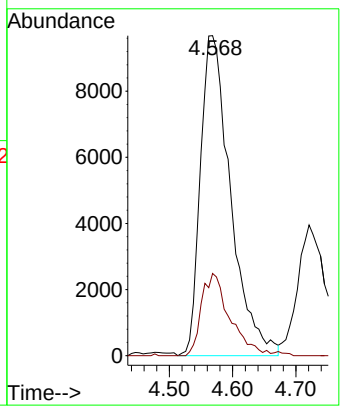


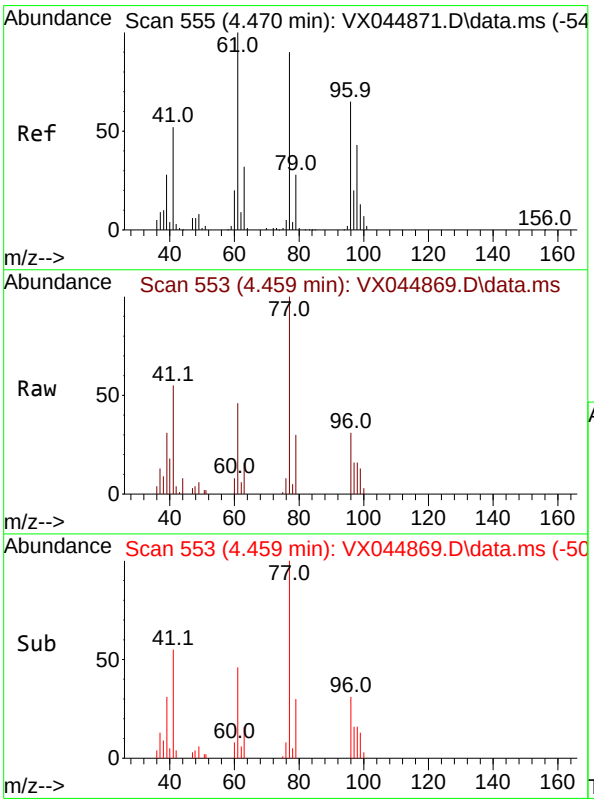
#25
2-Butanone
Concen: 24.698 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 32121

Ion	Ratio	Lower	Upper
43	100		
72	25.7	21.2	31.8

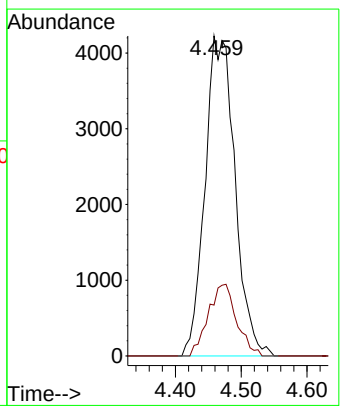


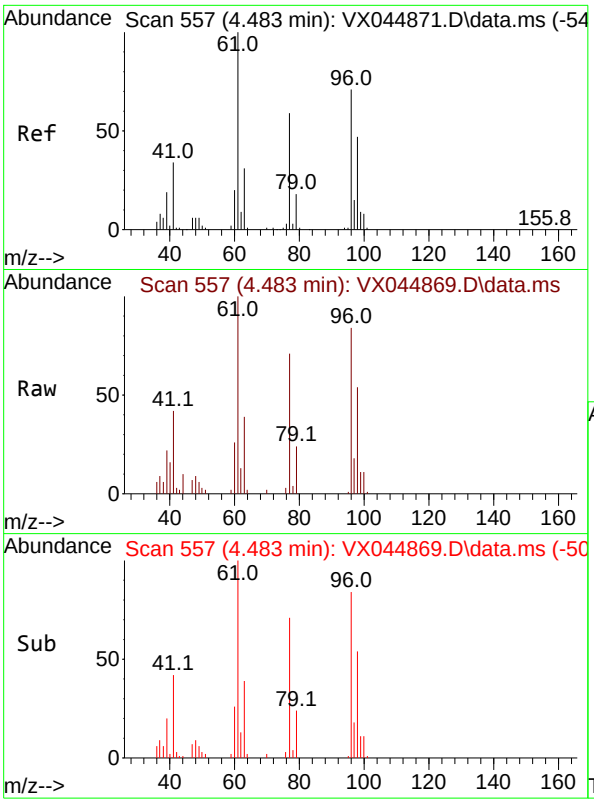


#26
2,2-Dichloropropane
Concen: 5.022 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.012 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 77 Resp: 13365

Ion	Ratio	Lower	Upper
77	100		
97	21.2	11.8	35.3



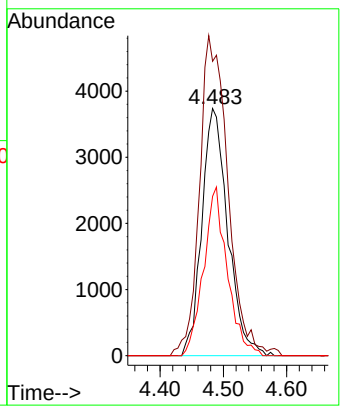


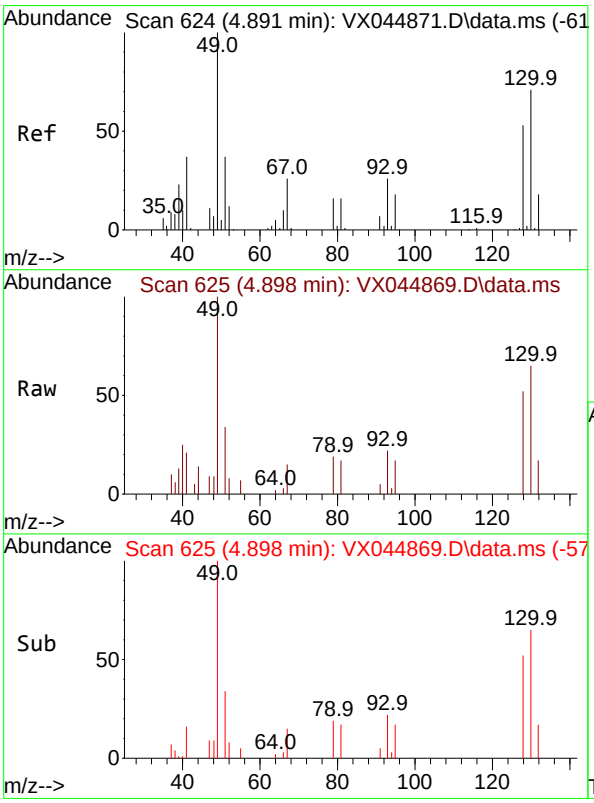
#27
cis-1,2-Dichloroethene
Concen: 5.141 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10662

Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	294.0
98	62.4	0.0	131.2

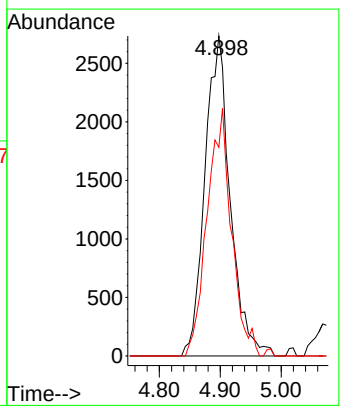


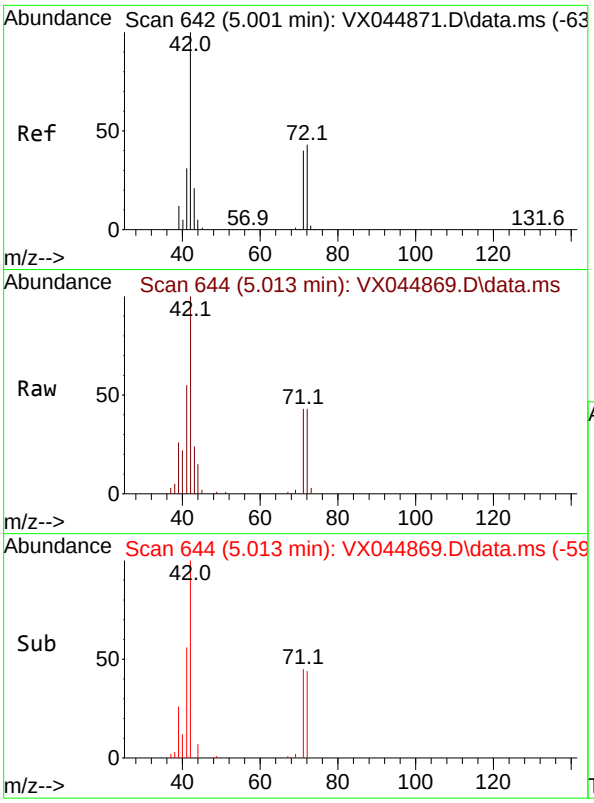


#28
Bromochloromethane
Concen: 4.886 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 49 Resp: 7881

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	74.4	56.7	85.1



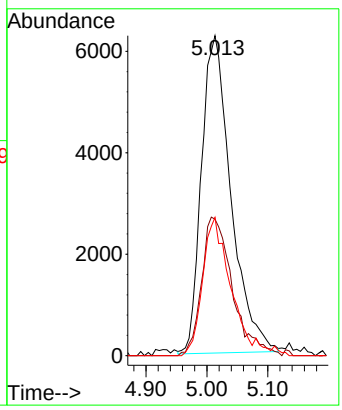


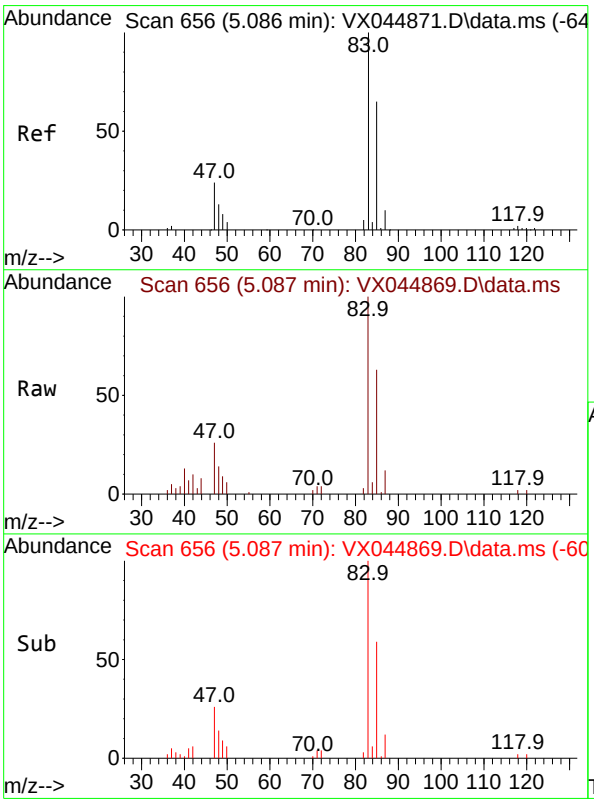
#29
Tetrahydrofuran
Concen: 24.429 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 21097

Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.0	52.4
71	41.6	32.6	48.8

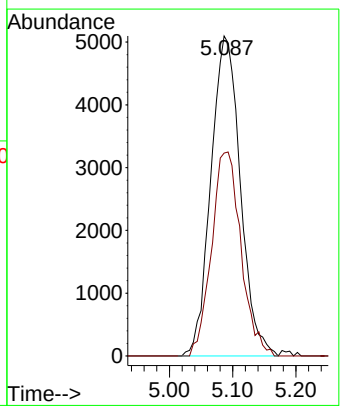


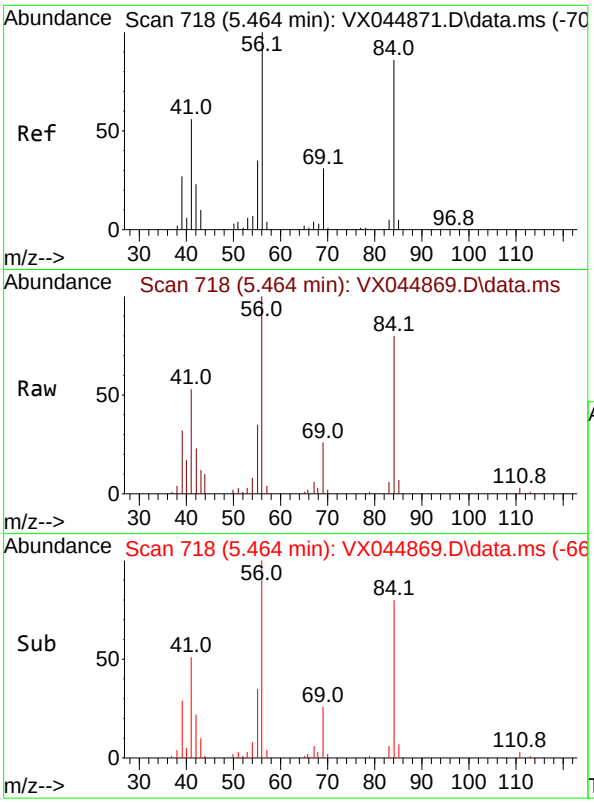


#30
Chloroform
Concen: 5.054 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 83 Resp: 16449

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.1	78.1



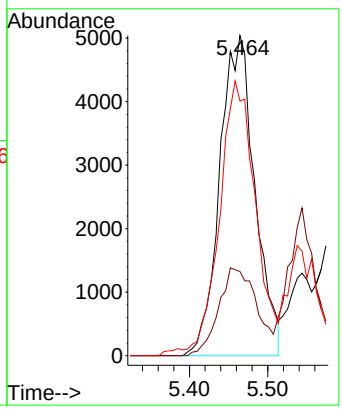


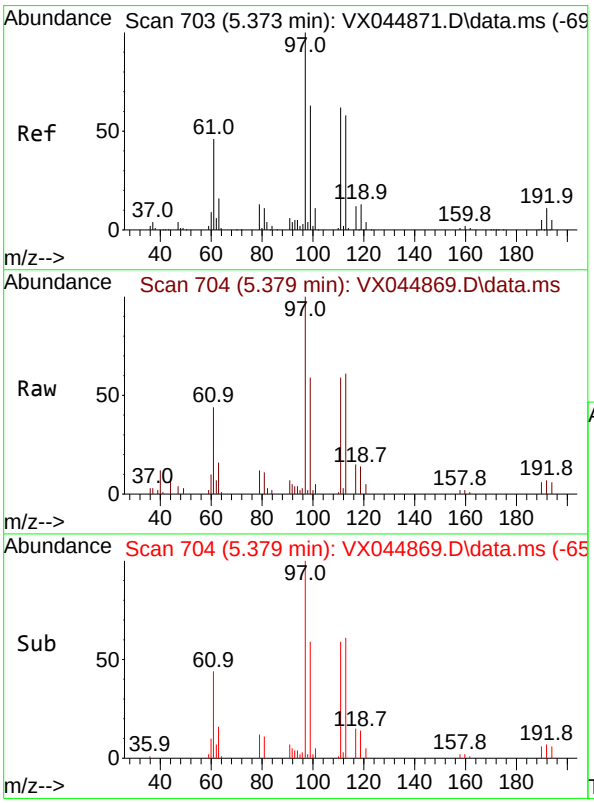
#31
Cyclohexane
Concen: 5.076 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 15705

Ion	Ratio	Lower	Upper
56	100		
69	26.3	24.4	36.6
84	77.4	69.0	103.6

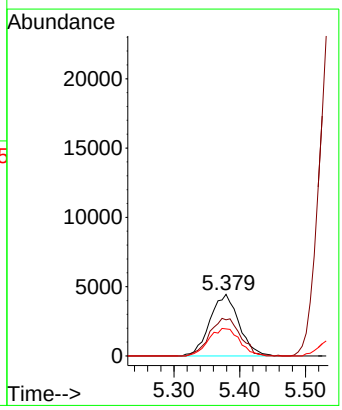


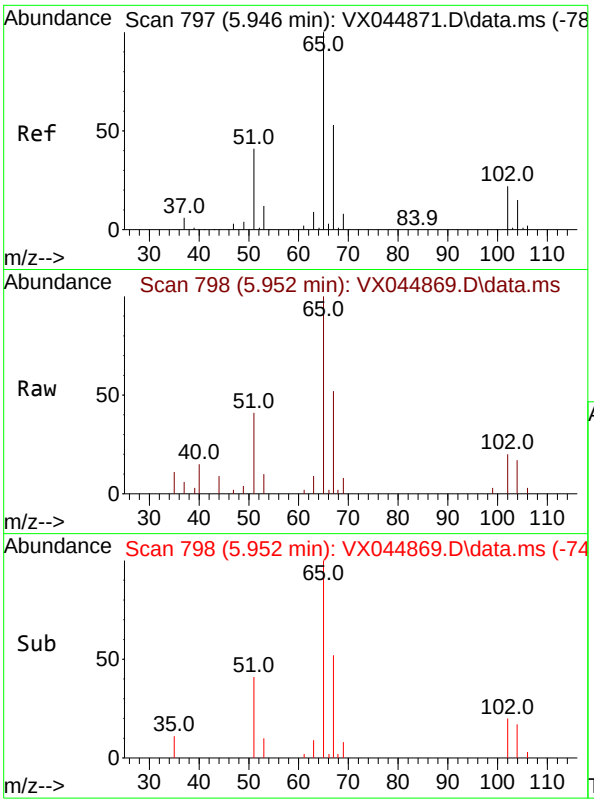


#32
1,1,1-Trichloroethane
Concen: 4.947 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 97 Resp: 13658

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	47.3	36.6	55.0



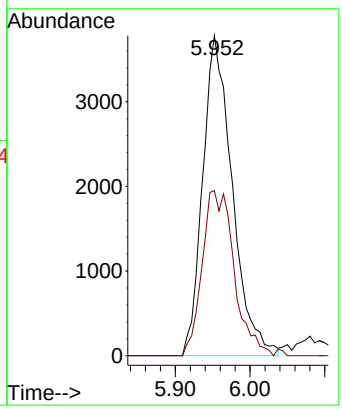


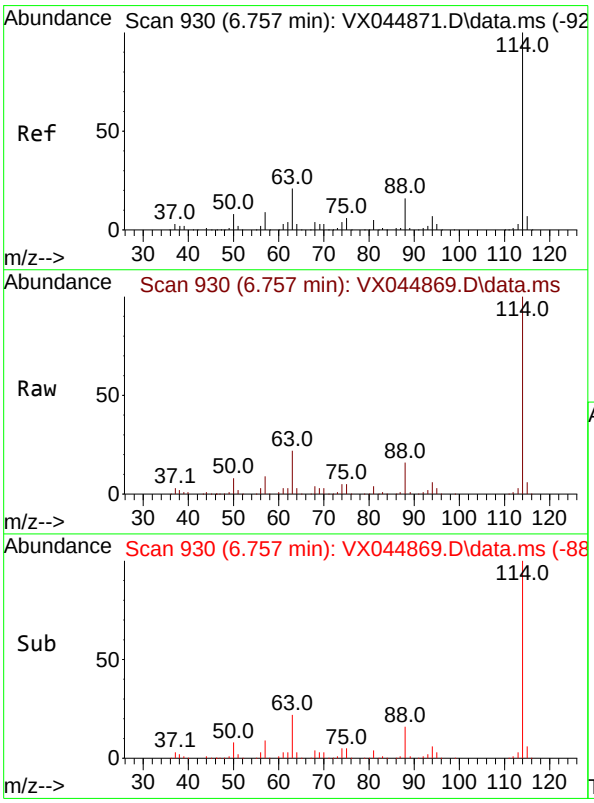
#33
1,2-Dichloroethane-d4
Concen: 5.219 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 10397

Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	108.2

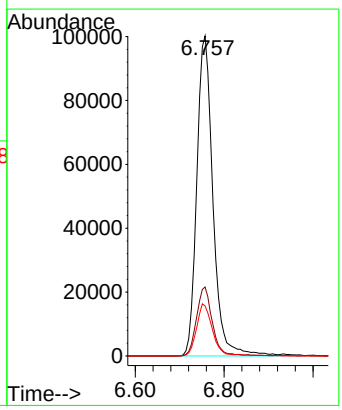


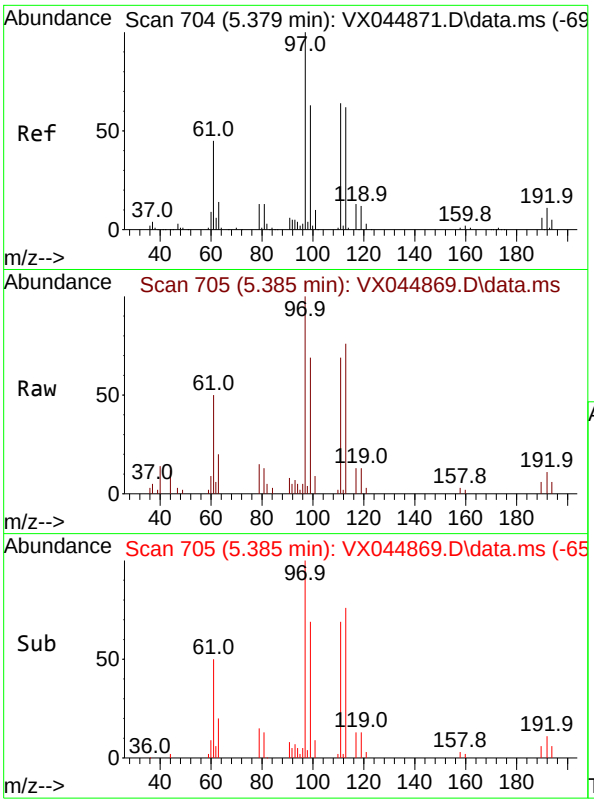


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:114 Resp: 253314

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.4
88	15.6	0.0	31.4



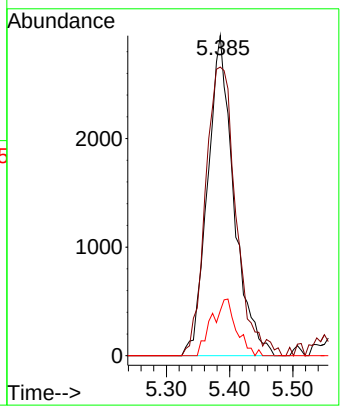


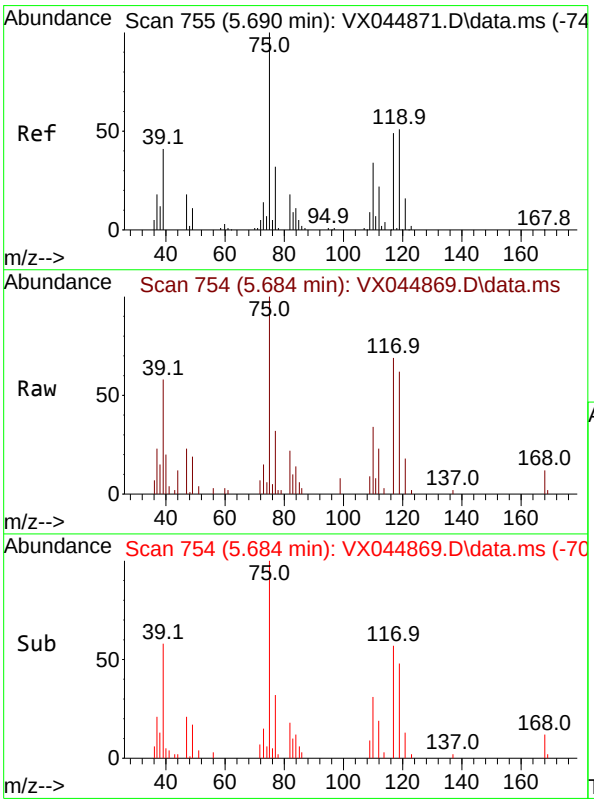
#35
Dibromofluoromethane
Concen: 5.150 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 8482

Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.5	125.3
192	16.7	14.4	21.6

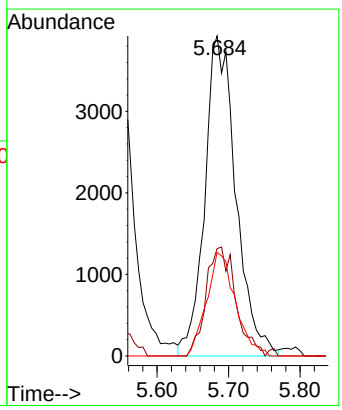


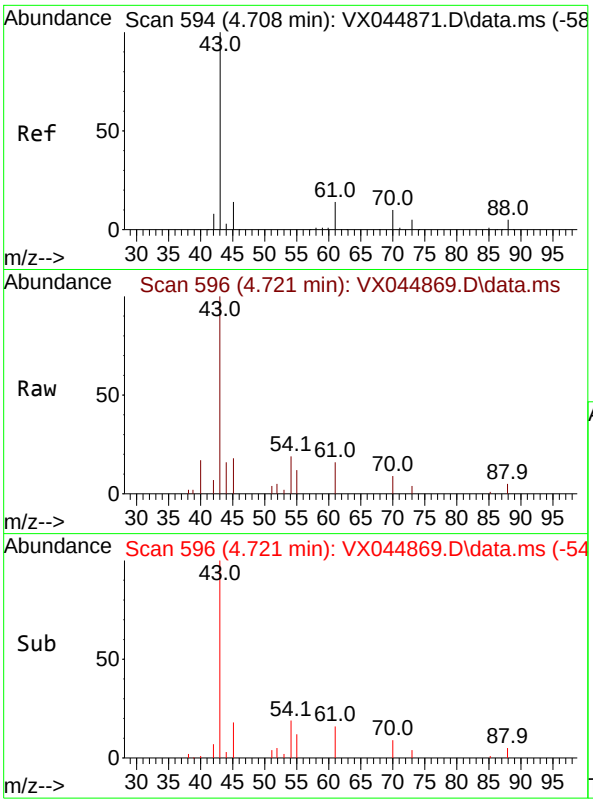


#36
1,1-Dichloropropene
Concen: 4.981 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 11835

Ion	Ratio	Lower	Upper
75	100		
110	32.4	17.2	51.6
77	30.0	24.6	37.0



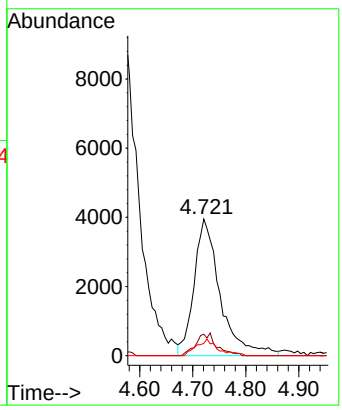


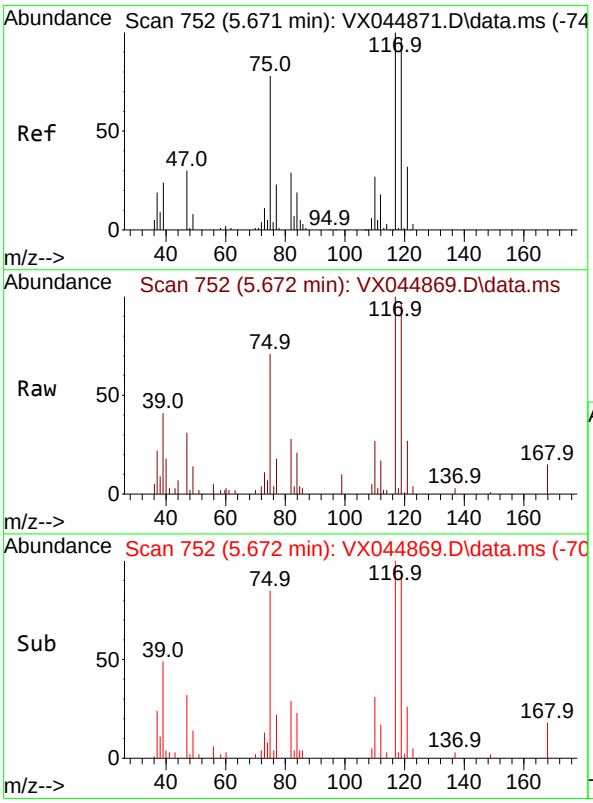
#37
Ethyl Acetate
Concen: 5.119 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13530

Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	9.8	8.2	12.2

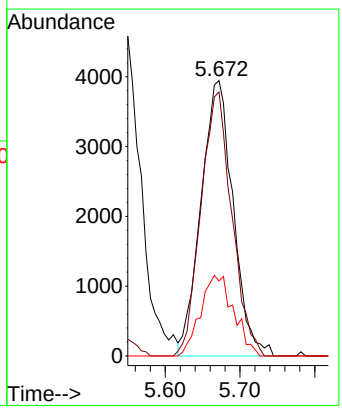


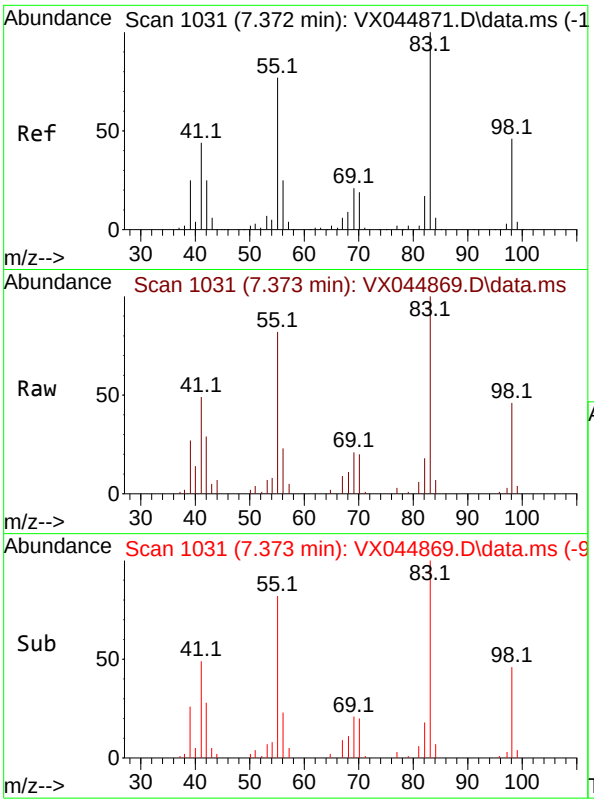


#38
Carbon Tetrachloride
Concen: 5.066 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:117 Resp: 11797

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.5	116.3
121	27.2	25.6	38.4



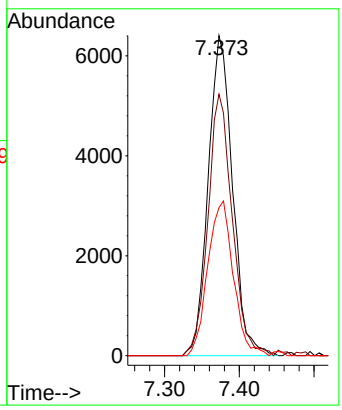


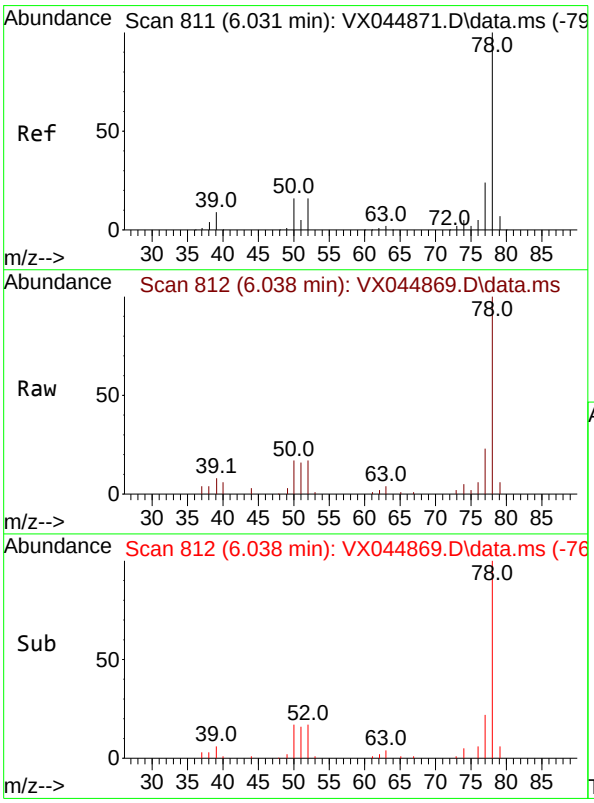
#39
Methylcyclohexane
Concen: 4.711 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 14472

Ion	Ratio	Lower	Upper
83	100		
55	81.7	61.3	91.9
98	46.3	37.0	55.6

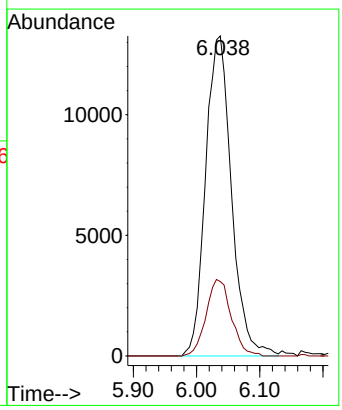


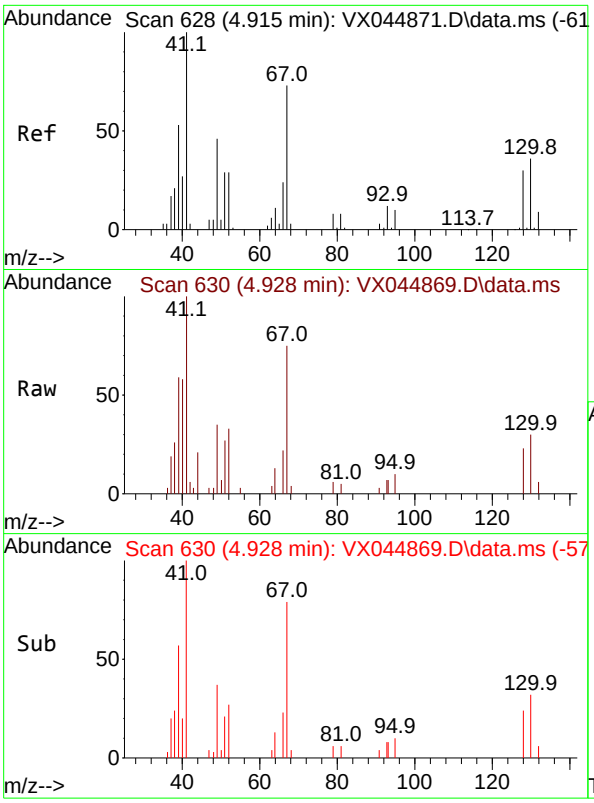


#40
Benzene
Concen: 5.079 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 78 Resp: 37687

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6



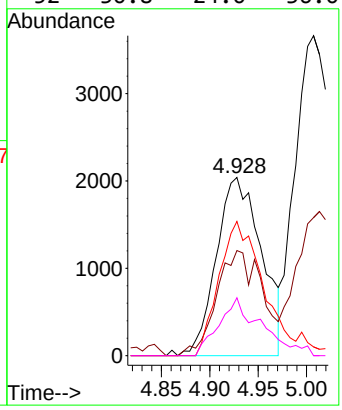


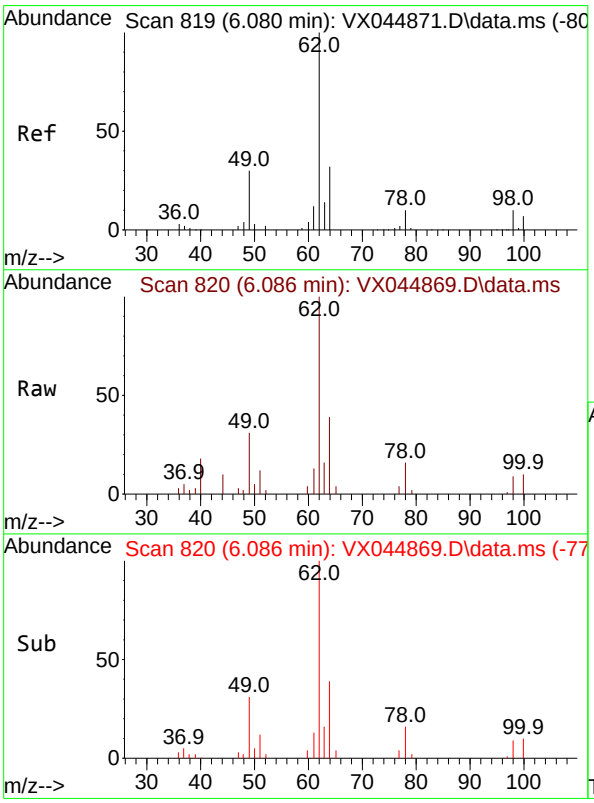
#41
Methacrylonitrile
Concen: 4.699 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 6648

Ion	Ratio	Lower	Upper
41	100		
39	59.4	43.1	64.7
67	72.7	57.0	85.6
52	30.8	24.0	36.0

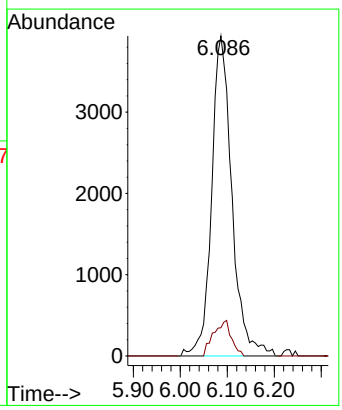


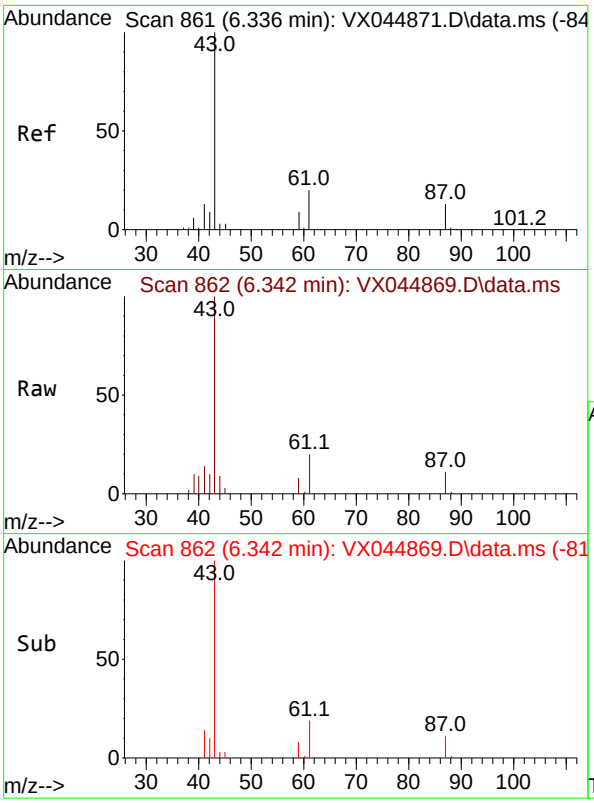


#42
1,2-Dichloroethane
Concen: 4.985 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11789

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4



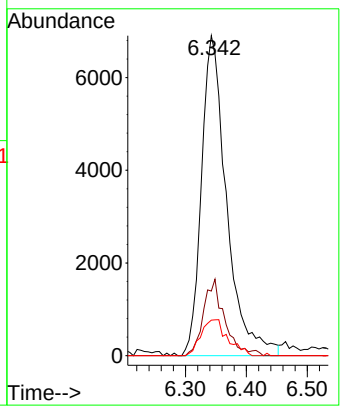


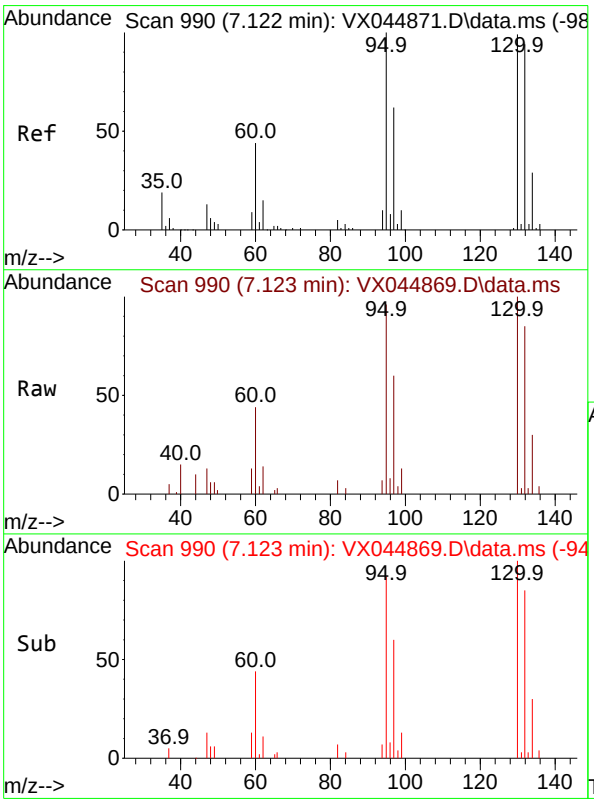
#43
Isopropyl Acetate
Concen: 4.640 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19803

Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.8
87	11.9	10.0	15.0

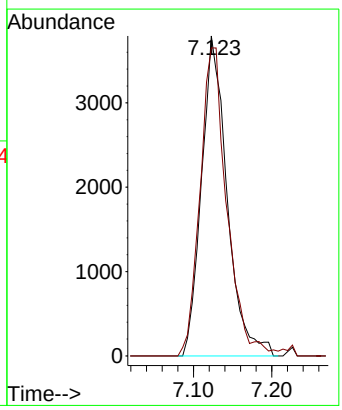


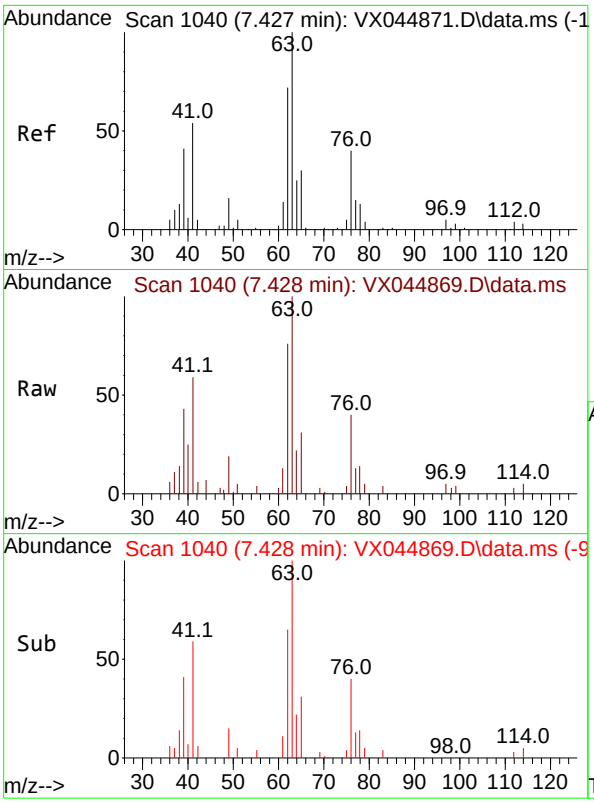


#44
Trichloroethene
Concen: 5.079 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:130 Resp: 8614

Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.4



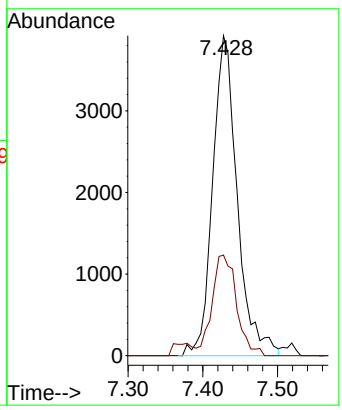


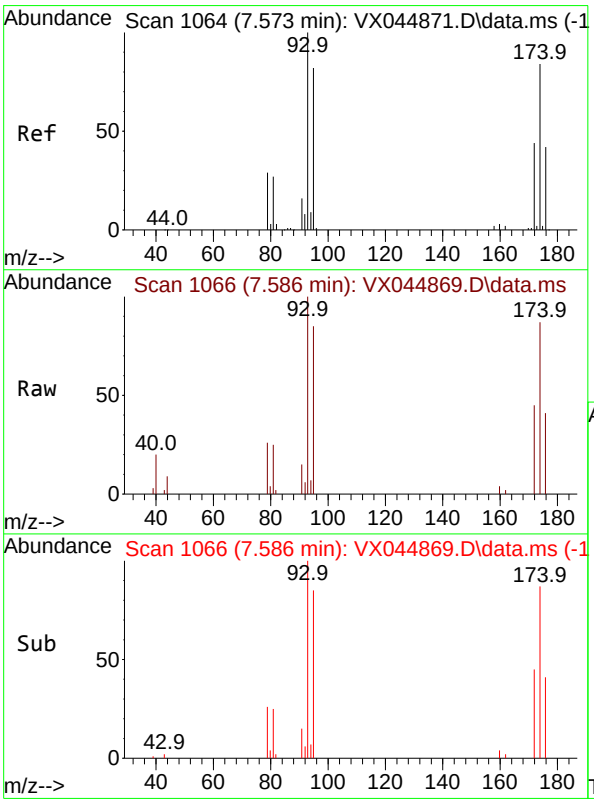
#45
1,2-Dichloropropane
Concen: 4.863 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 8976

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.4

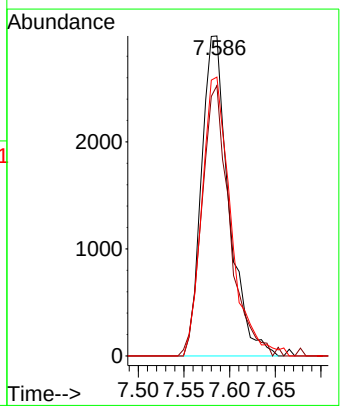


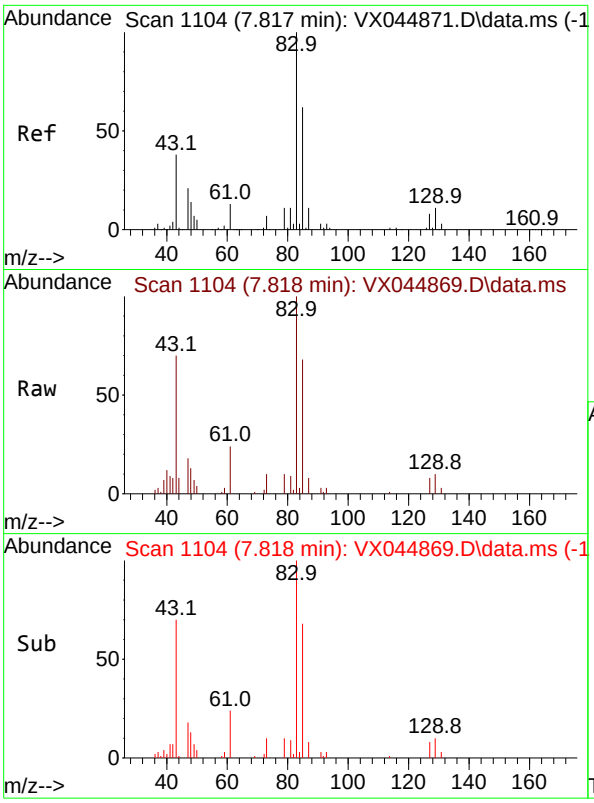


#46
Dibromomethane
Concen: 4.851 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 93 Resp: 6210

Ion	Ratio	Lower	Upper
93	100		
95	86.4	66.2	99.4
174	92.2	69.9	104.9



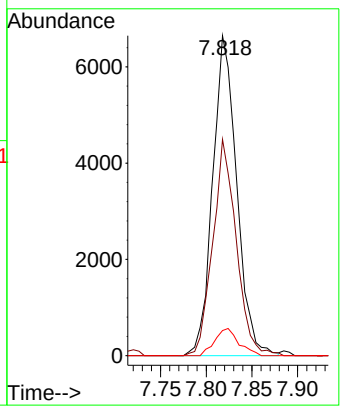


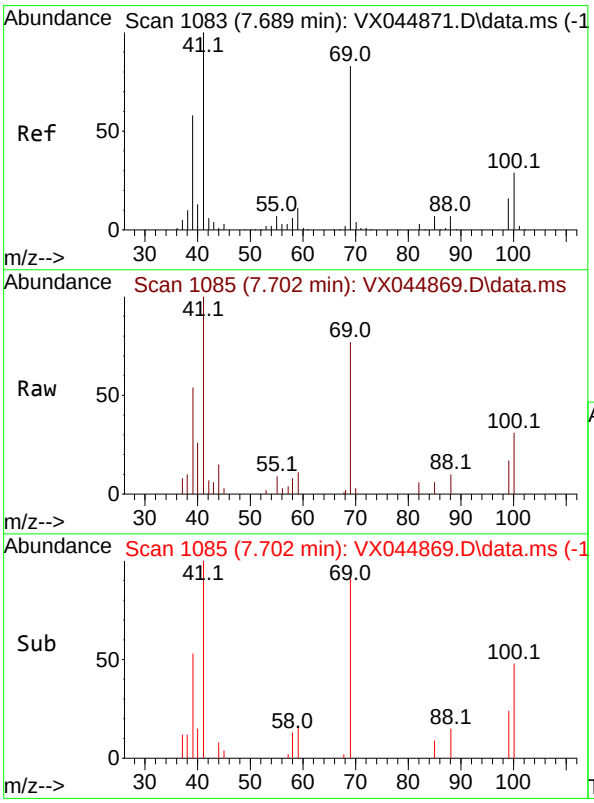
#47
Bromodichloromethane
Concen: 4.911 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 12173

Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.0	75.0
127	7.8	6.4	9.6

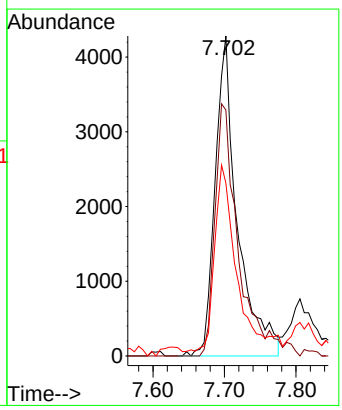


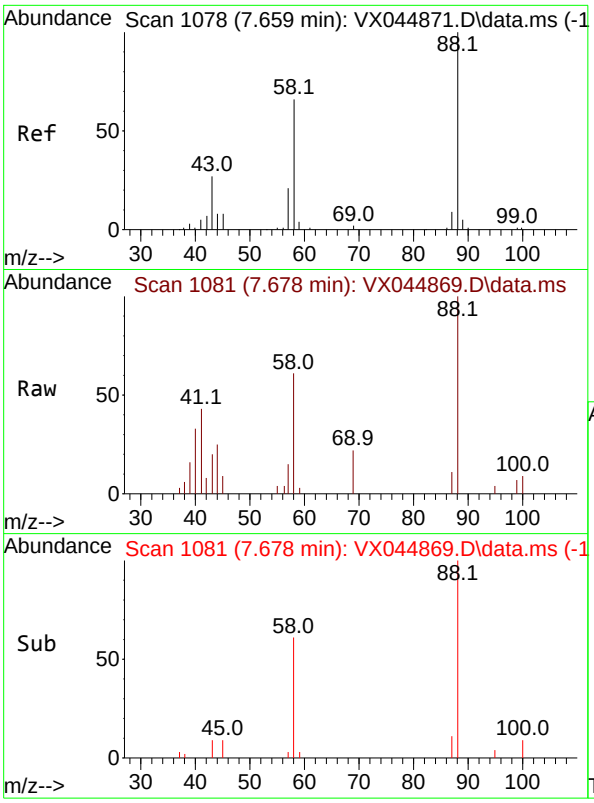


#48
Methyl methacrylate
Concen: 4.620 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 9298

Ion	Ratio	Lower	Upper
41	100		
69	83.0	65.8	98.8
39	54.6	46.4	69.6



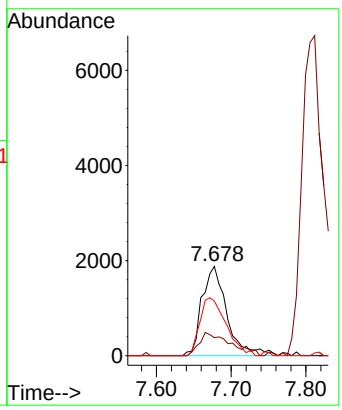


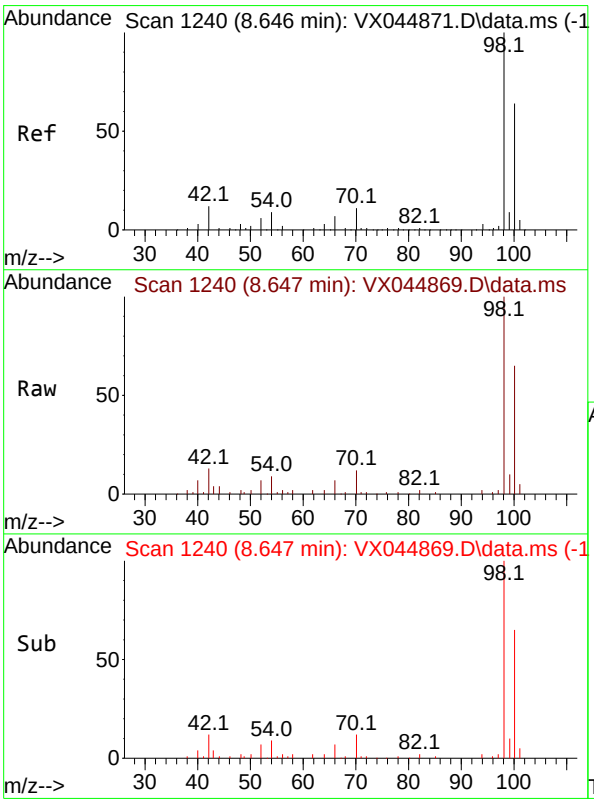
#49
1,4-Dioxane
Concen: 101.099 ug/l
RT: 7.678 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 4365

Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.6	39.8
58	67.9	55.9	83.9

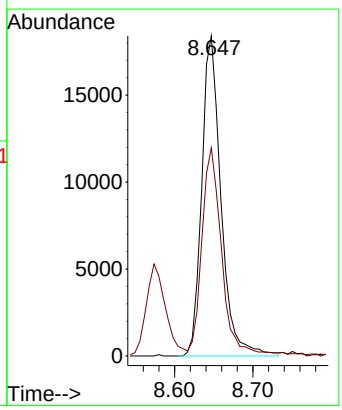


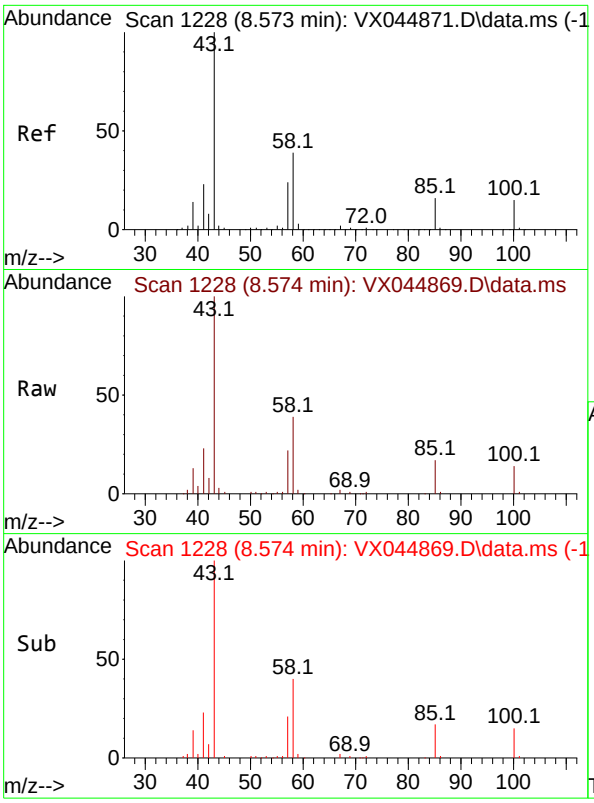


#50
Toluene-d8
Concen: 5.039 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 98 Resp: 31381

Ion	Ratio	Lower	Upper
98	100		
100	67.8	52.7	79.1



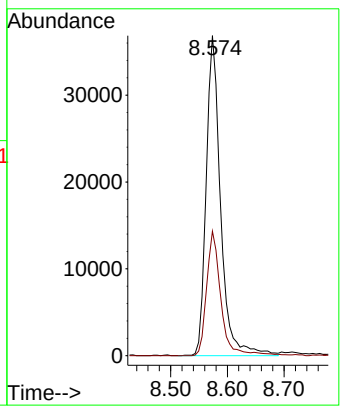


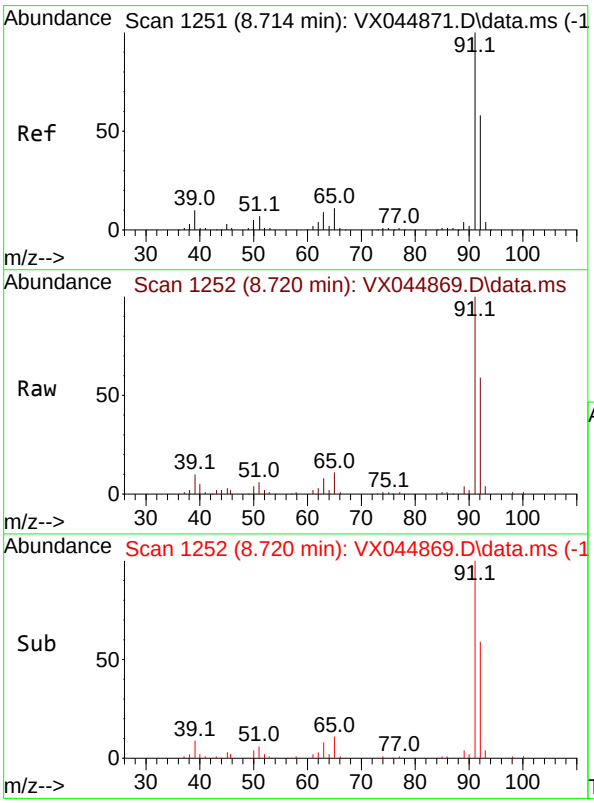
#51
4-Methyl-2-Pentanone
Concen: 25.076 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 65064

Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.8	46.2

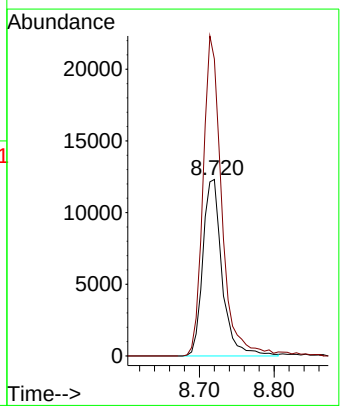


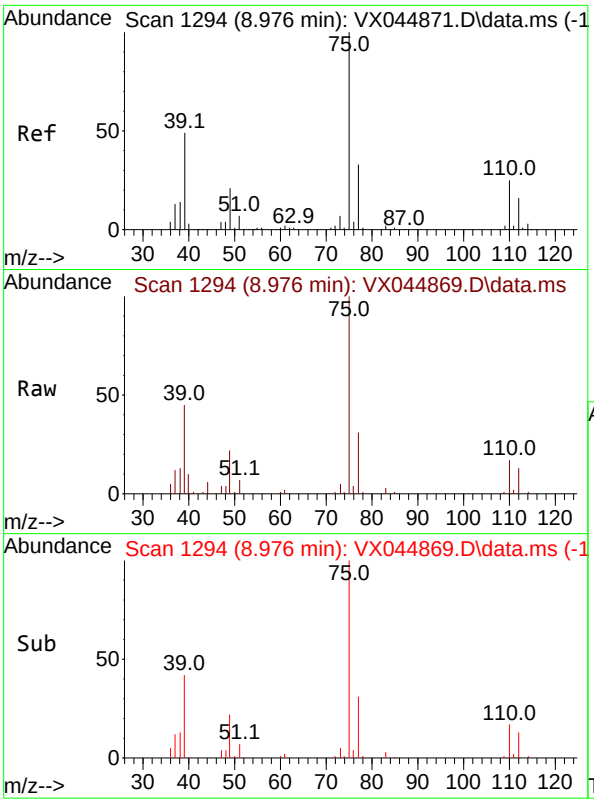


#52
Toluene
Concen: 4.999 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 92 Resp: 22090

Ion	Ratio	Lower	Upper
92	100		
91	177.1	137.4	206.2



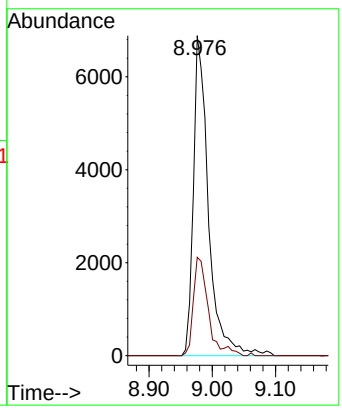


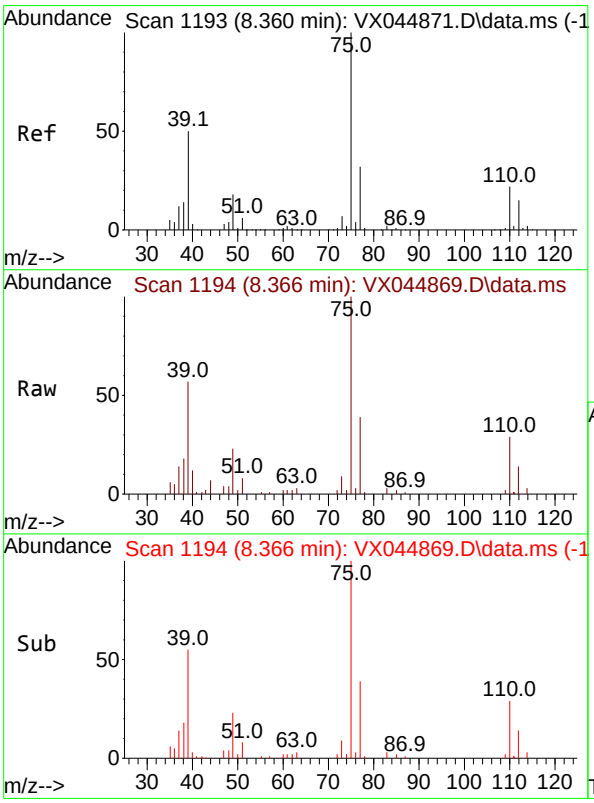
#53
t-1,3-Dichloropropene
Concen: 4.550 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 11413

Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.0	39.0

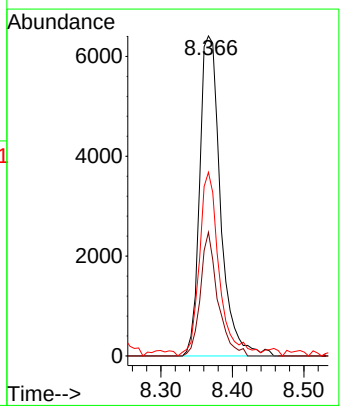


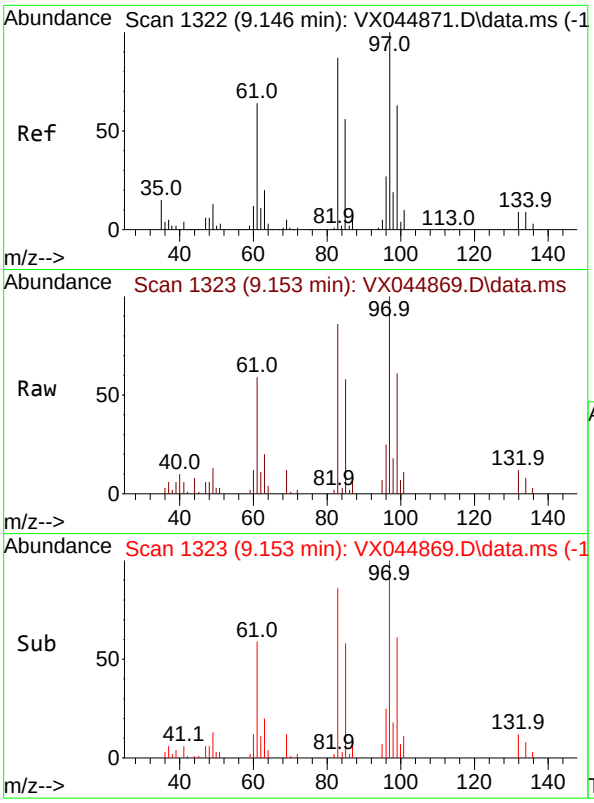


#54
cis-1,3-Dichloropropene
Concen: 4.628 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 12943

Ion	Ratio	Lower	Upper
75	100		
77	38.7	25.3	37.9#
39	57.4	40.0	60.0



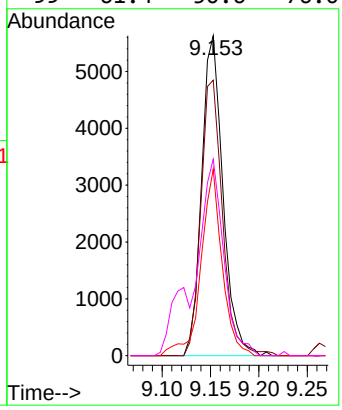


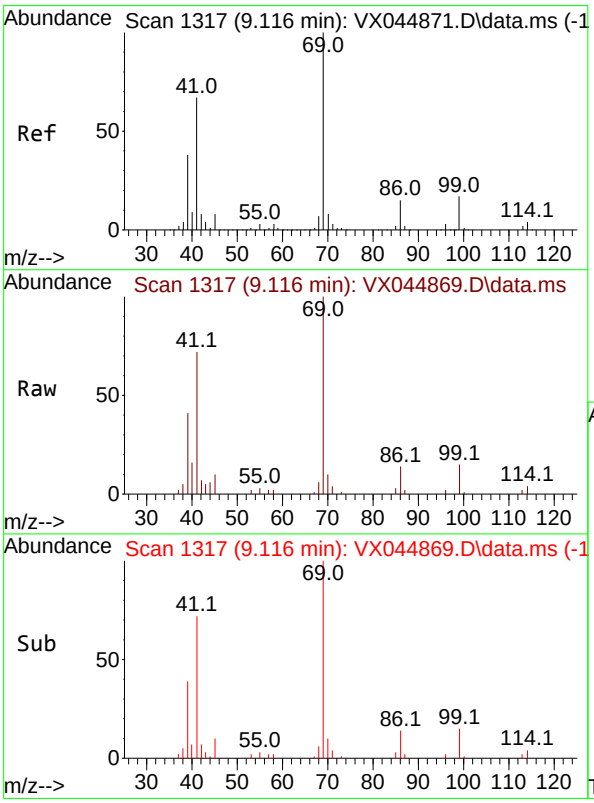
#55
1,1,2-Trichloroethane
Concen: 5.099 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 8662

Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.8	104.6
85	58.3	44.8	67.2
99	61.4	50.6	76.0

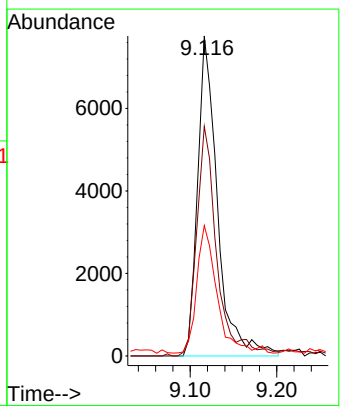


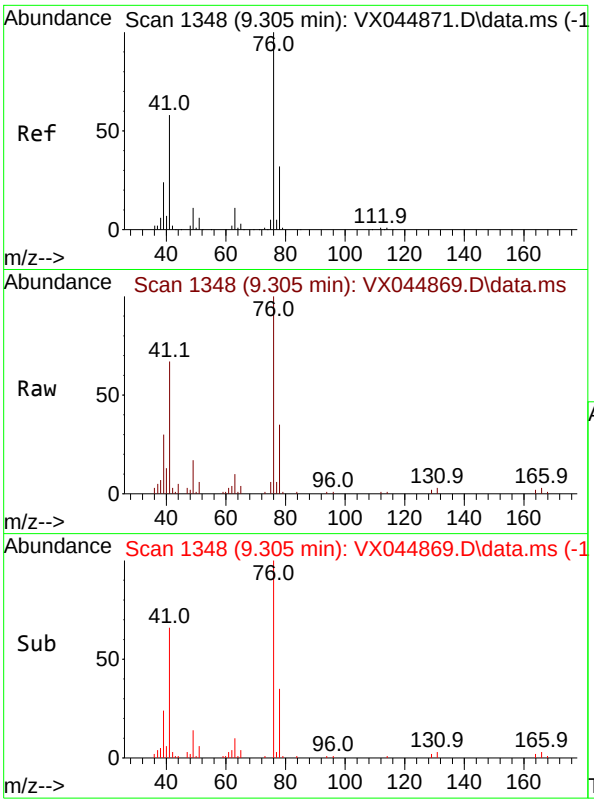


#56
Ethyl methacrylate
Concen: 4.502 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 69 Resp: 12351

Ion	Ratio	Lower	Upper
69	100		
41	73.0	55.2	82.8
39	39.5	30.8	46.2



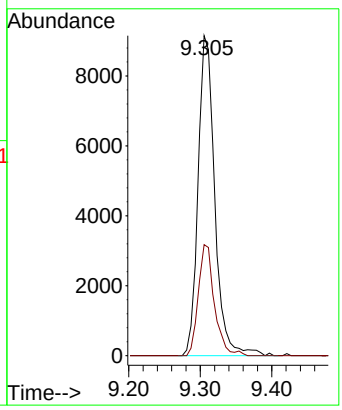


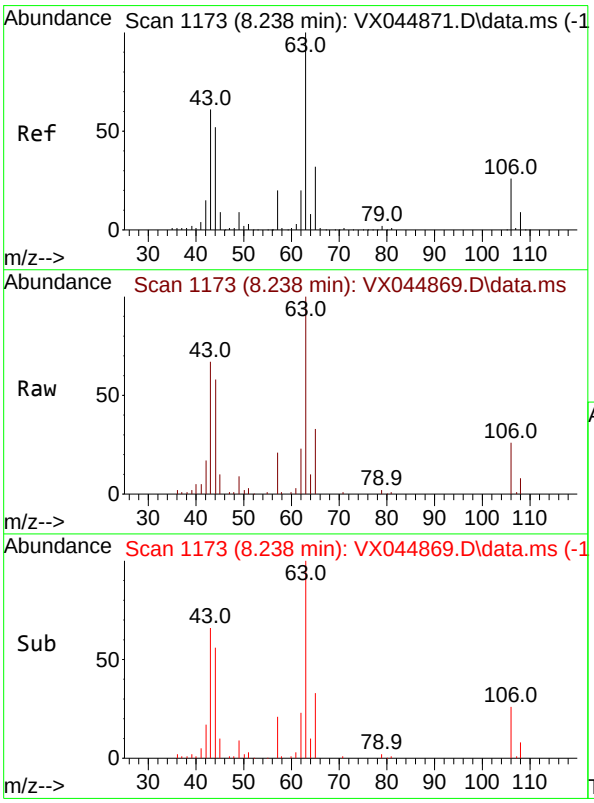
#57
1,3-Dichloropropane
Concen: 4.993 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 14839

Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.8	38.8

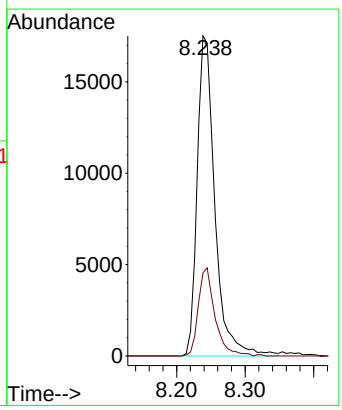


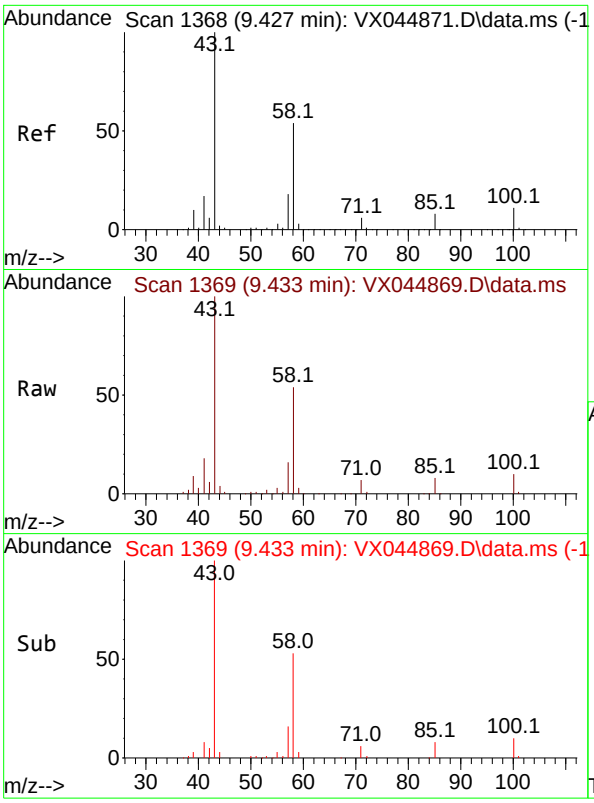


#58
2-Chloroethyl Vinyl ether
Concen: 23.382 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 31498

Ion	Ratio	Lower	Upper
63	100		
106	25.8	21.3	31.9



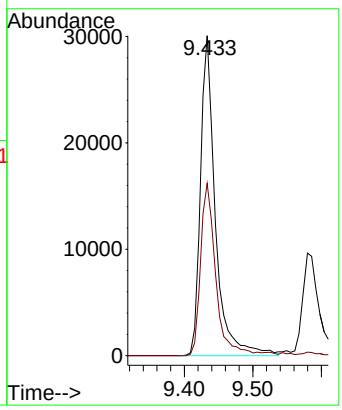


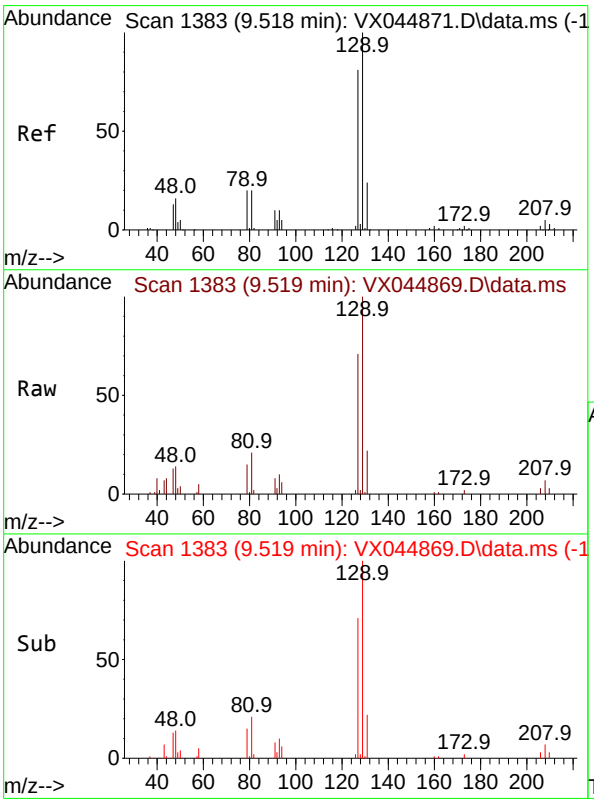
#59
2-Hexanone
Concen: 24.359 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 45538

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.5	82.4

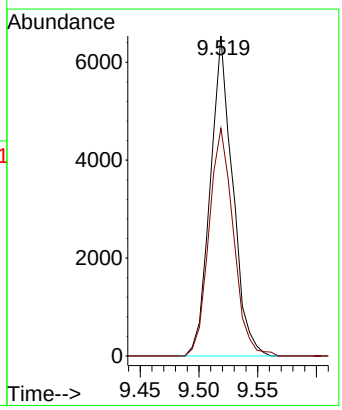


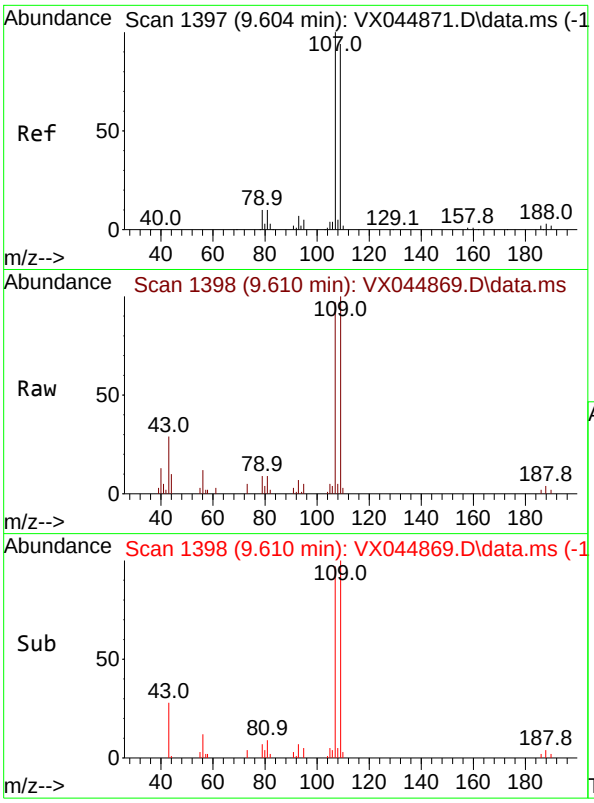


#60
Dibromochloromethane
Concen: 4.771 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:129 Resp: 8668

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.3



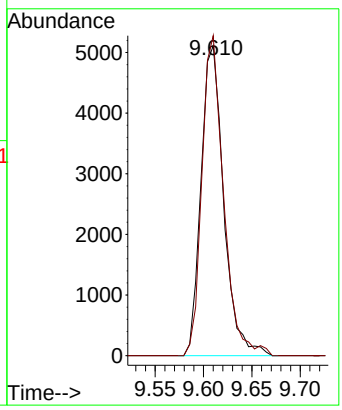


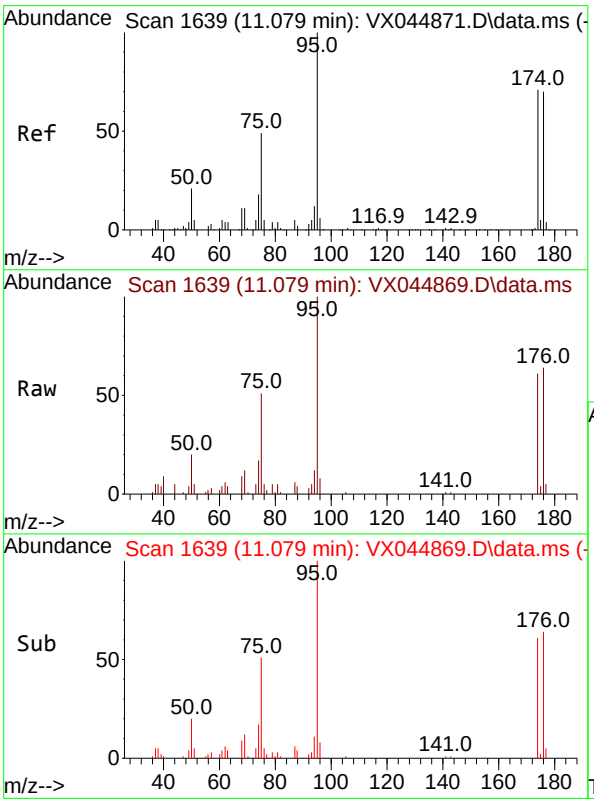
#61
1,2-Dibromoethane
Concen: 4.852 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 8353

Ion	Ratio	Lower	Upper
107	100		
109	98.8	75.9	113.9

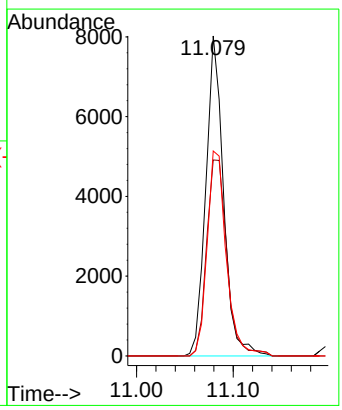


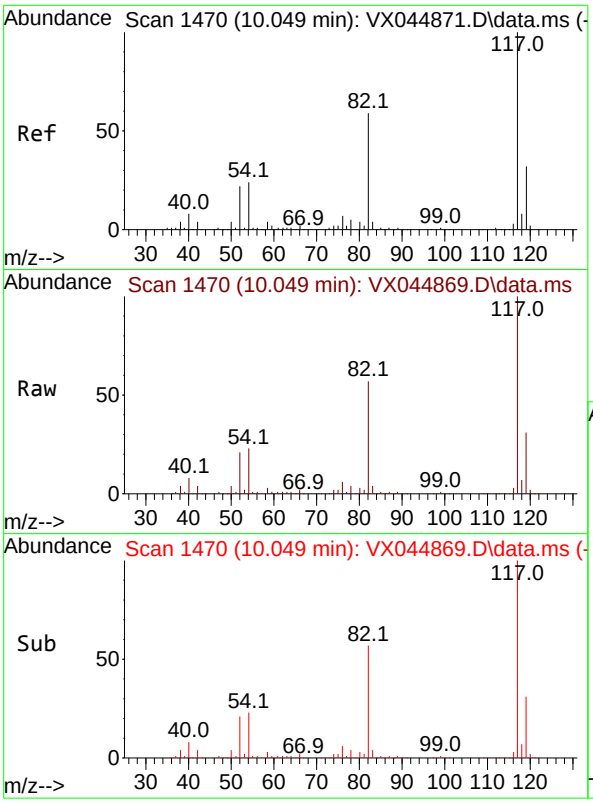


#62
4-Bromofluorobenzene
Concen: 4.872 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 95 Resp: 10229

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	142.6
176	69.3	0.0	141.6



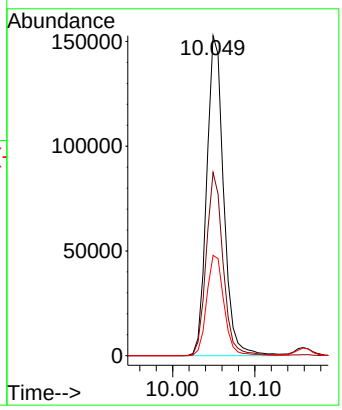


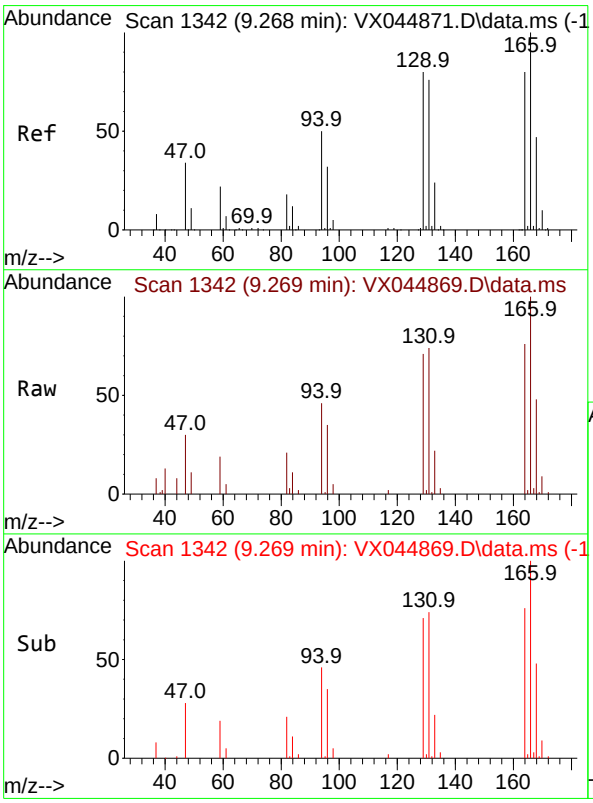
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 218625

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.5	71.3
119	31.4	25.4	38.0

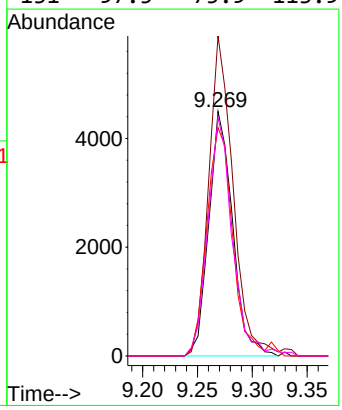


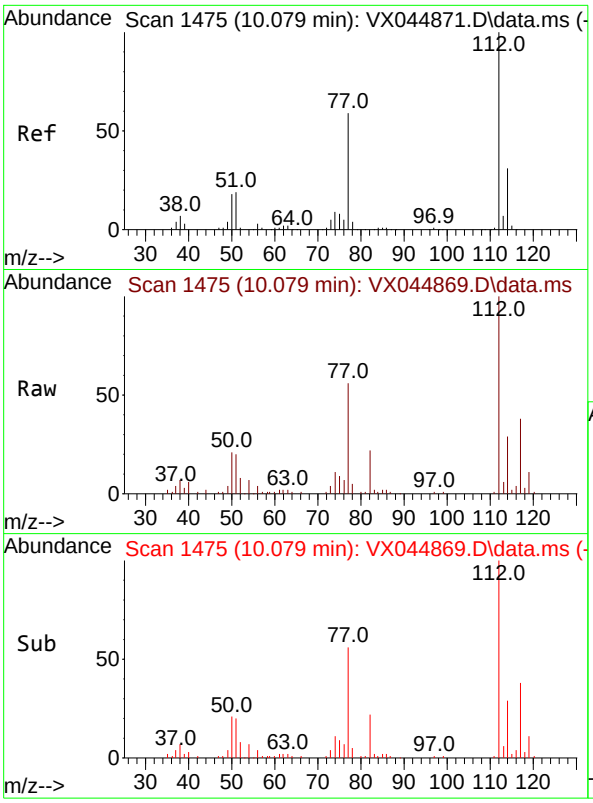


#64
Tetrachloroethene
Concen: 4.934 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:164 Resp: 6803

Ion	Ratio	Lower	Upper
164	100		
166	130.9	100.4	150.6
129	93.4	79.9	119.9
131	97.5	75.9	113.9



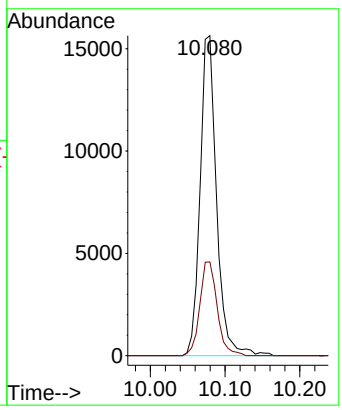


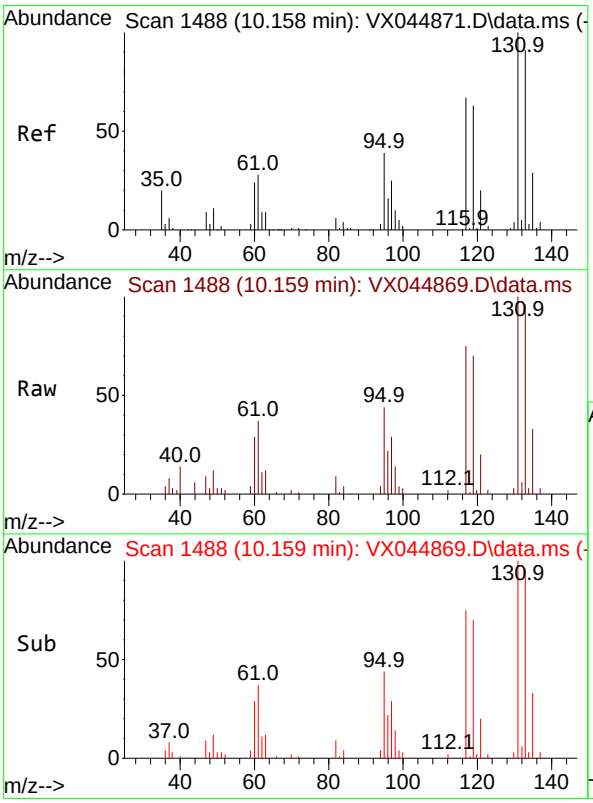
#65
Chlorobenzene
Concen: 5.090 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 23903

Ion	Ratio	Lower	Upper
112	100		
114	29.3	25.0	37.6

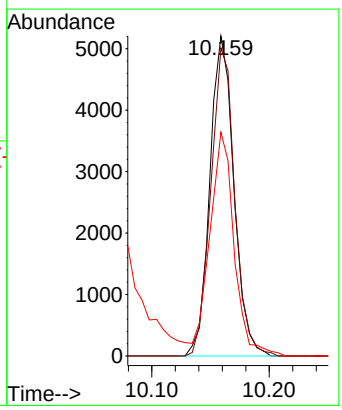


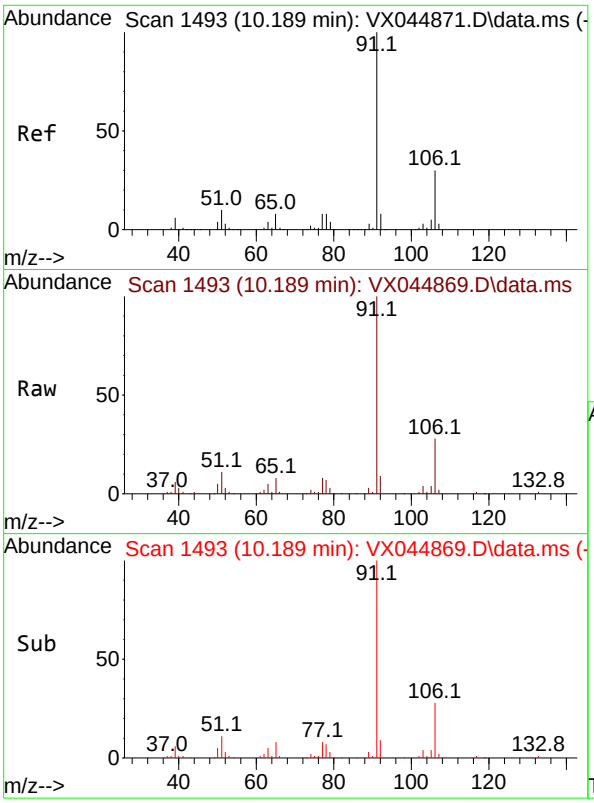


#66
1,1,1,2-Tetrachloroethane
Concen: 4.883 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:131 Resp: 7380

Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.1	141.3
119	70.5	33.6	100.6



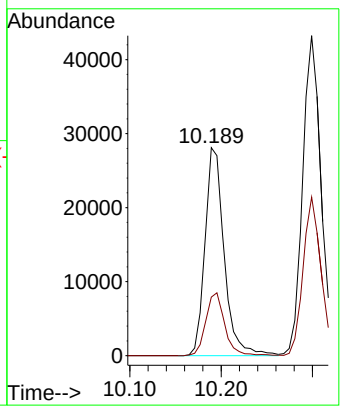


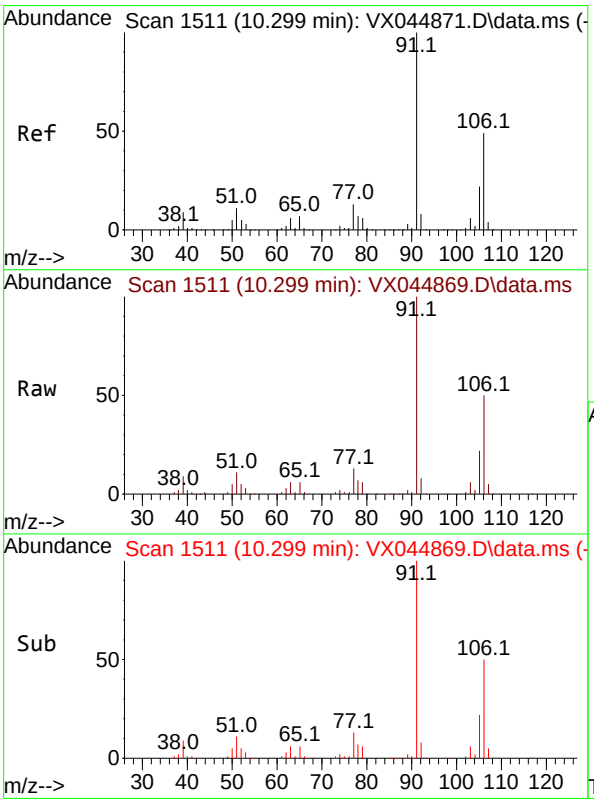
#67
Ethyl Benzene
Concen: 4.941 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 40945

Ion	Ratio	Lower	Upper
91	100		
106	28.1	23.9	35.9

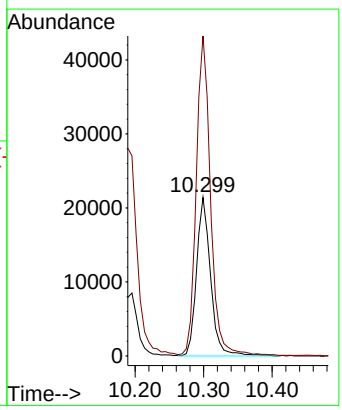


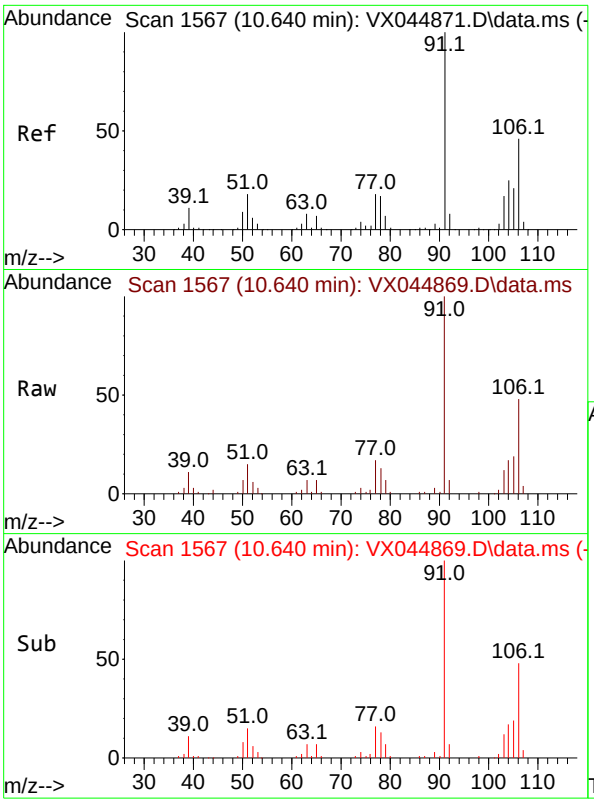


#68
m/p-Xylenes
Concen: 10.019 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:106 Resp: 30627

Ion	Ratio	Lower	Upper
106	100		
91	204.6	164.3	246.5



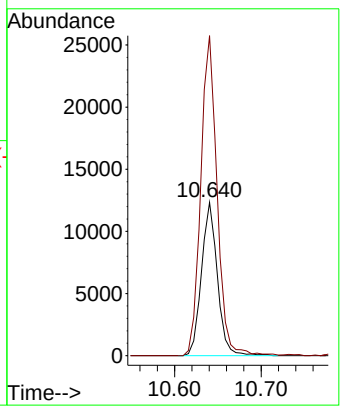


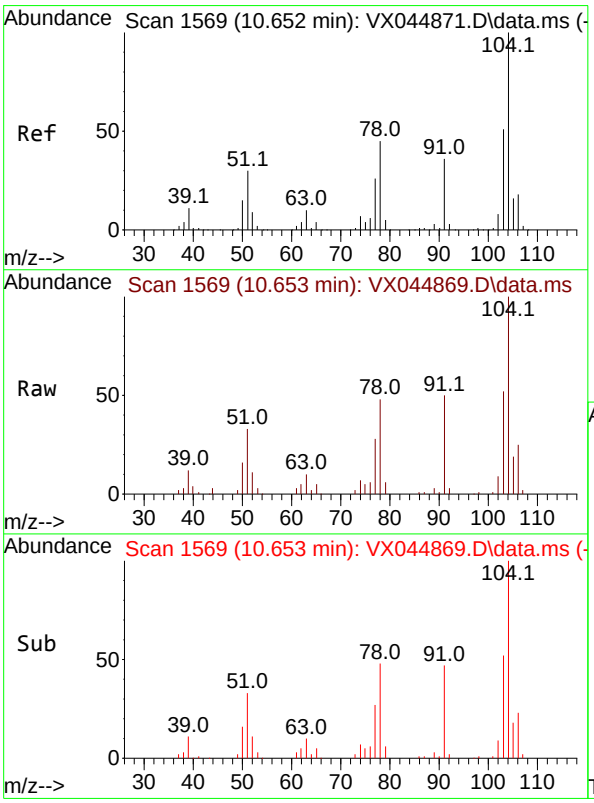
#69
o-Xylene
Concen: 5.139 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 15761

Ion	Ratio	Lower	Upper
106	100		
91	213.9	108.5	325.5

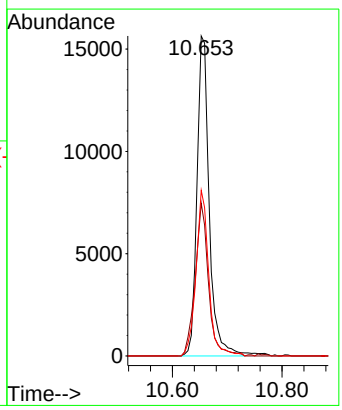


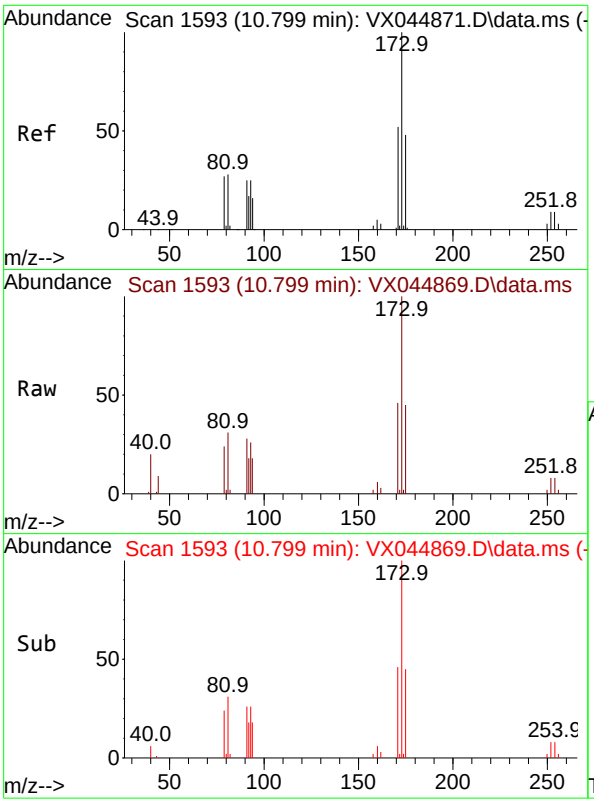


#70
Styrene
Concen: 4.973 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:104 Resp: 24576

Ion	Ratio	Lower	Upper
104	100		
78	51.3	40.5	60.7
103	53.4	43.6	65.4



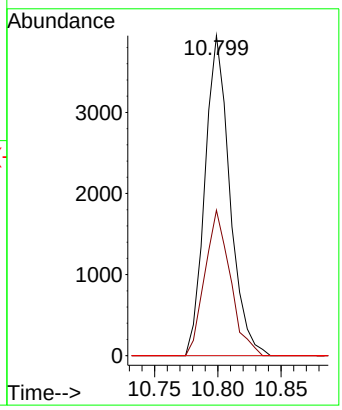


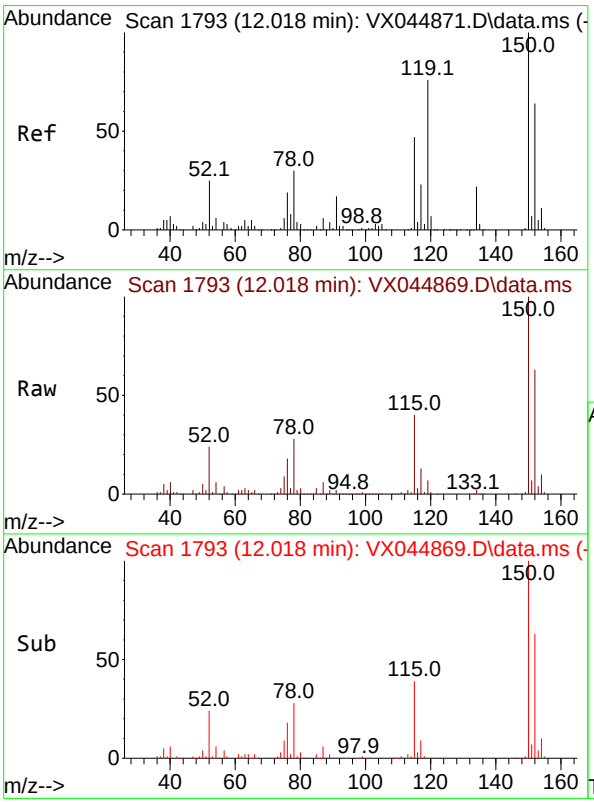
#71
Bromoform
Concen: 4.779 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 5391

Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.3	72.8
254	0.0	0.0	0.0

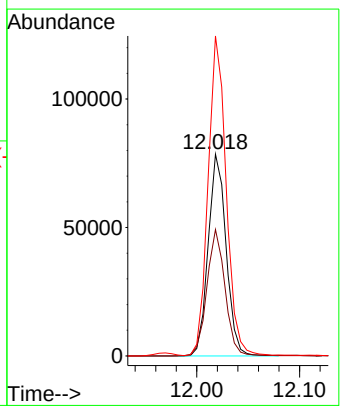


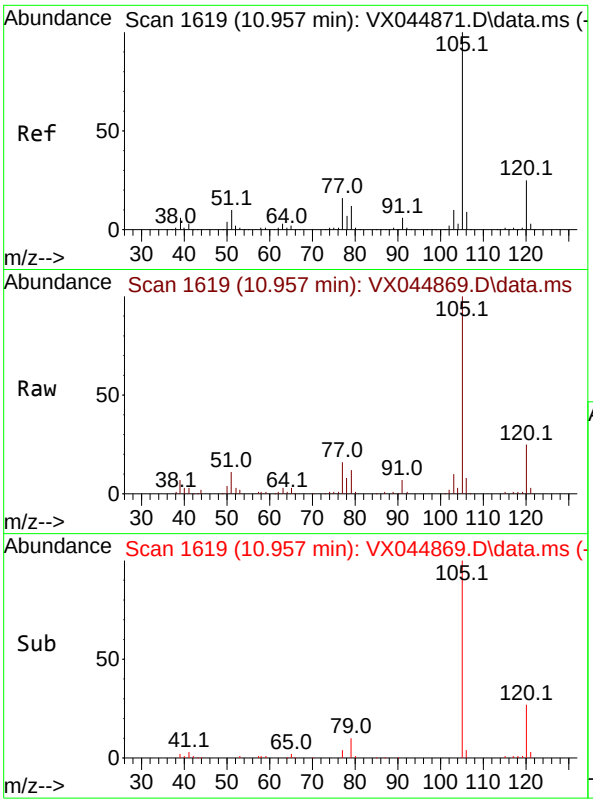


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:152 Resp: 95494

Ion	Ratio	Lower	Upper
152	100		
115	63.3	43.4	130.1
150	159.0	0.0	350.4



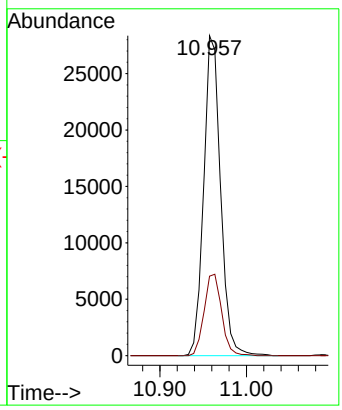


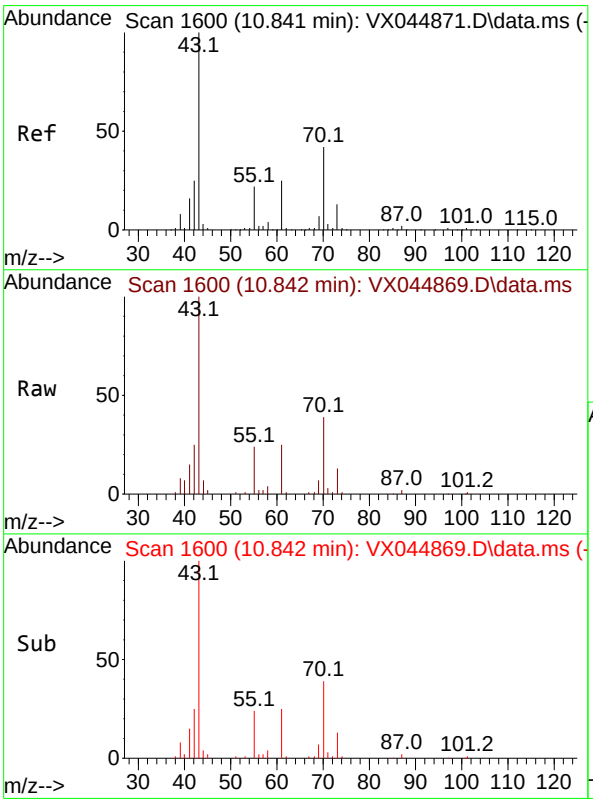
#73
Isopropylbenzene
Concen: 4.983 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 38315

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5

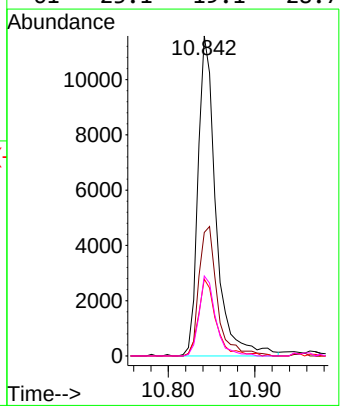


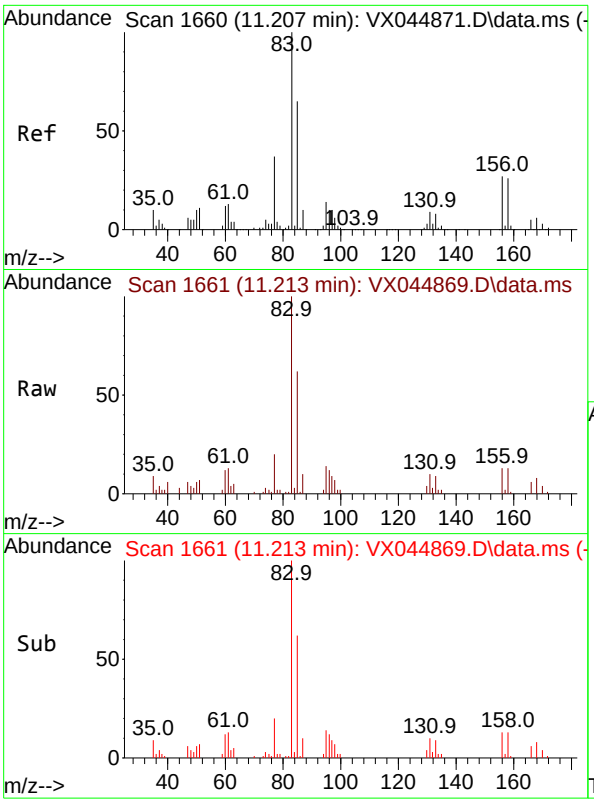


#74
N-amyl acetate
Concen: 4.786 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 16653

Ion	Ratio	Lower	Upper
43	100		
70	41.5	33.7	50.5
55	23.5	18.6	27.8
61	23.1	19.1	28.7



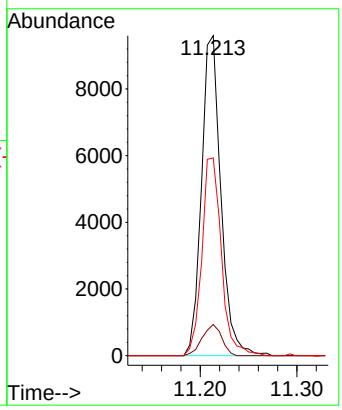


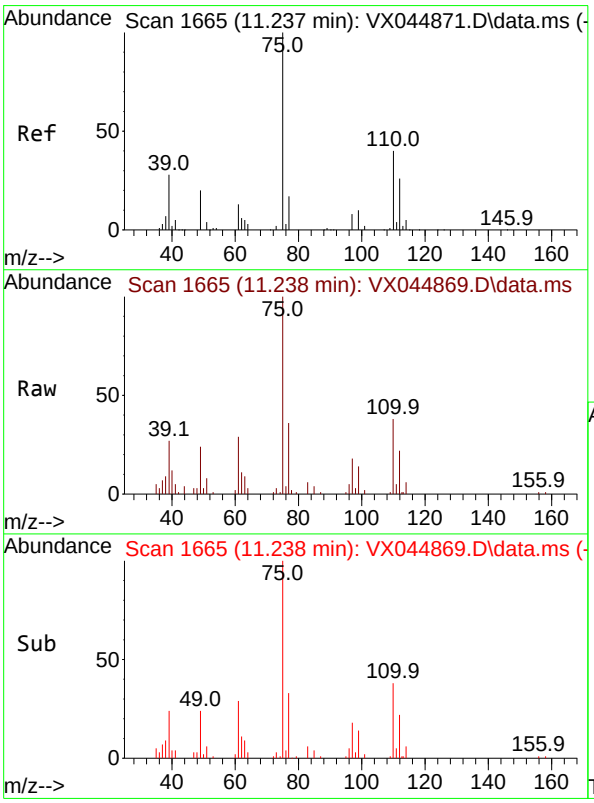
#75
1,1,2,2-Tetrachloroethane
Concen: 5.069 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13394

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.5
85	62.1	32.3	96.8

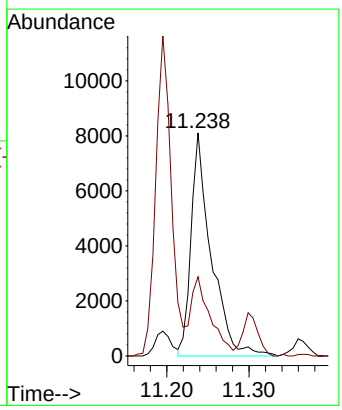


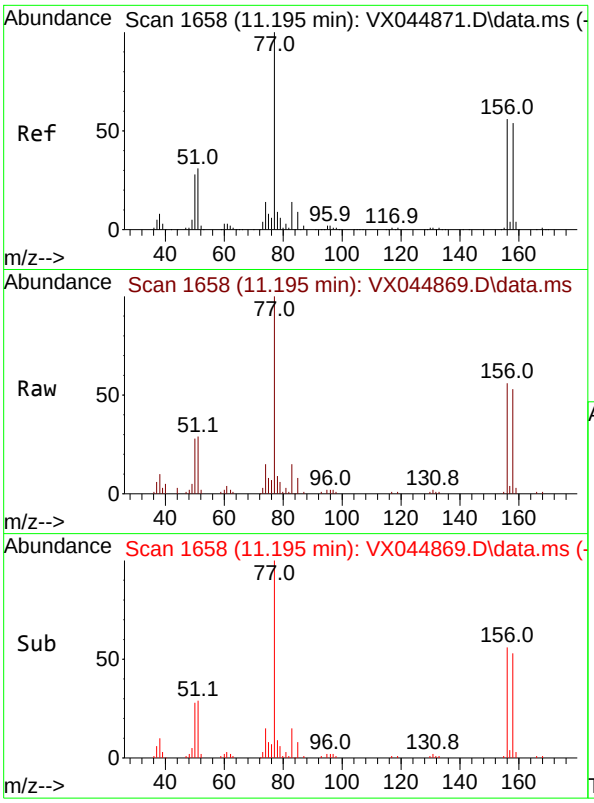


#76
1,2,3-Trichloropropane
Concen: 6.498 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 13757

Ion	Ratio	Lower	Upper
75	100		
77	35.3	21.9	65.7



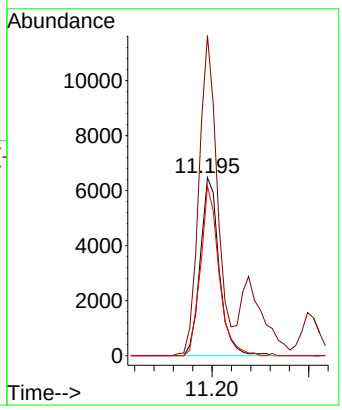


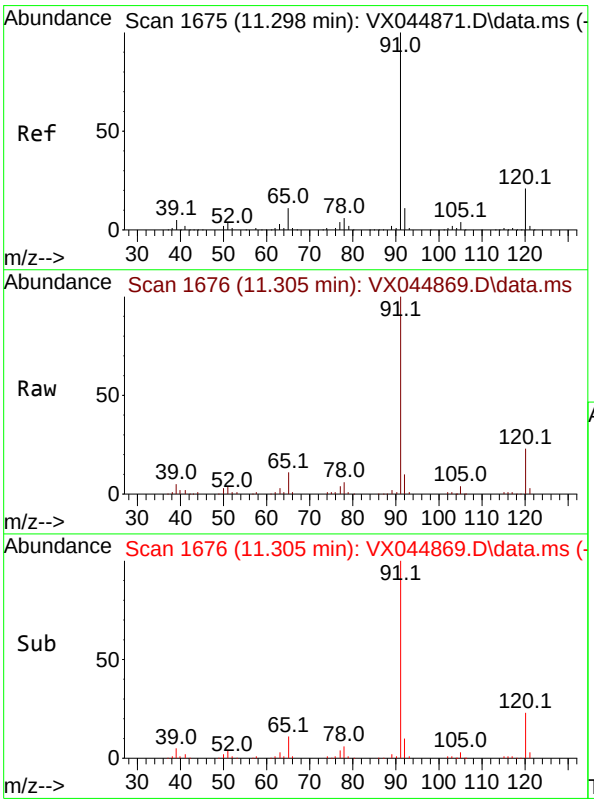
#77
Bromobenzene
Concen: 5.042 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 8789

Ion	Ratio	Lower	Upper
156	100		
77	174.1	88.4	265.3
158	92.9	48.4	145.2

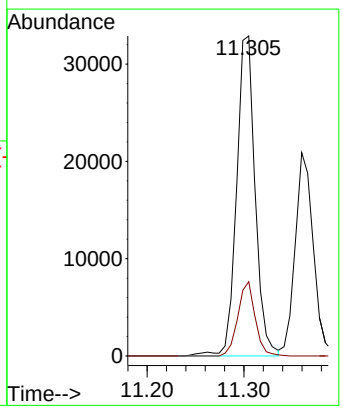


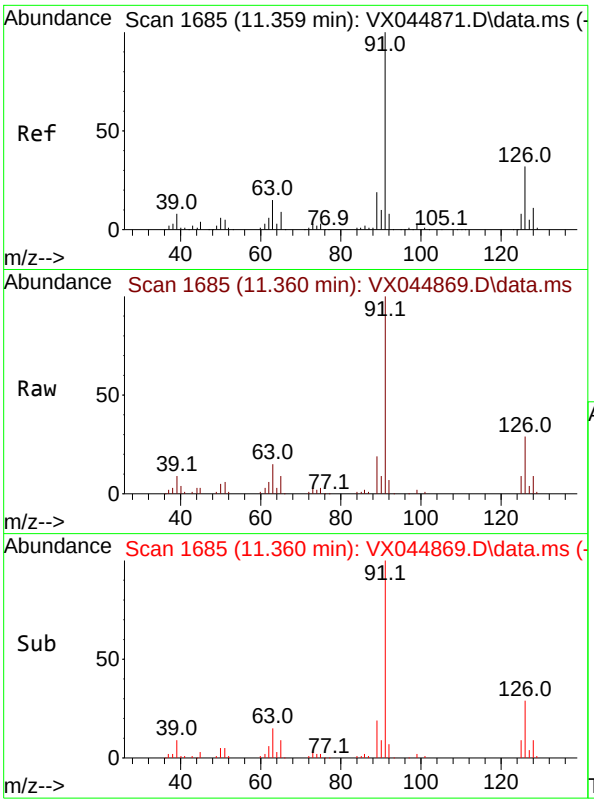


#78
n-propylbenzene
Concen: 4.949 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 43923

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.1	33.3



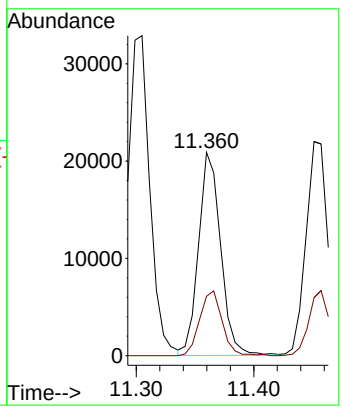


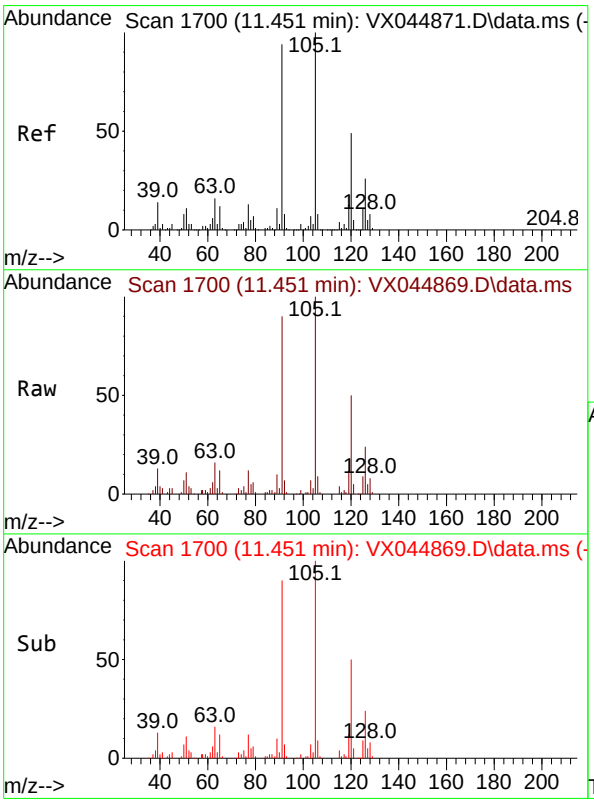
#79
2-Chlorotoluene
Concen: 5.007 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 27311

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6

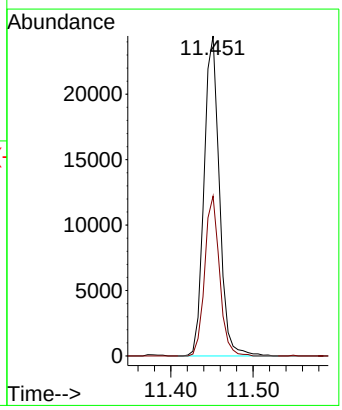


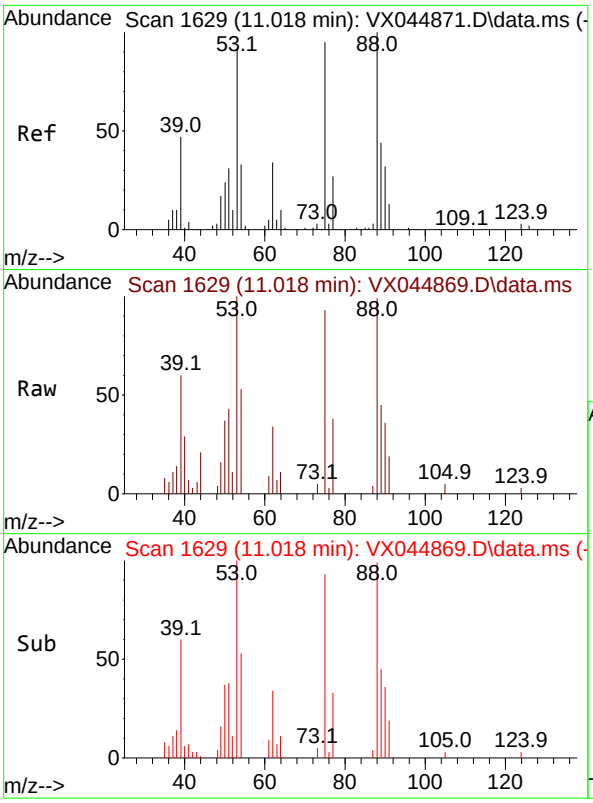


#80
1,3,5-Trimethylbenzene
Concen: 5.090 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:105 Resp: 31761

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.0	72.0



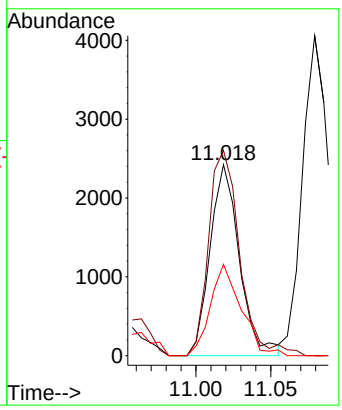


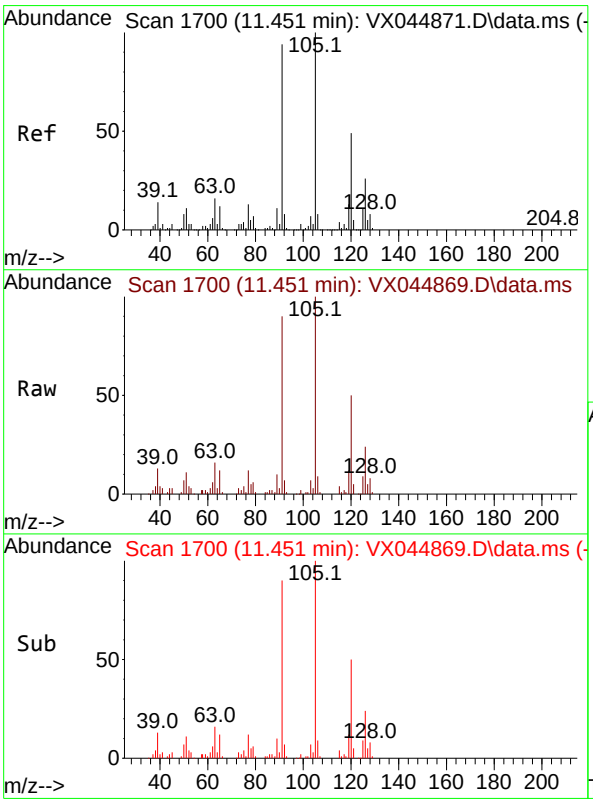
#81
trans-1,4-Dichloro-2-butene
Concen: 4.013 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 3303

Ion	Ratio	Lower	Upper
75	100		
53	113.7	78.0	117.0
89	50.2	36.6	54.8

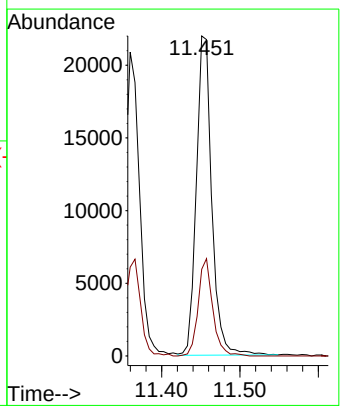


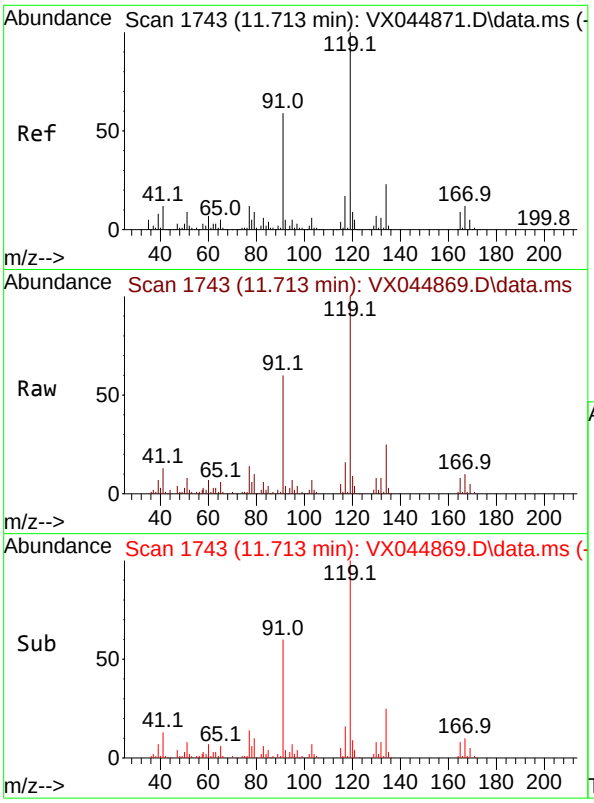


#82
4-Chlorotoluene
Concen: 4.994 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 30138

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6



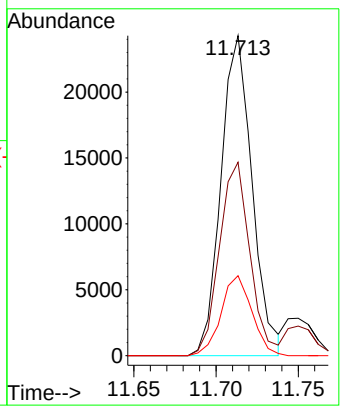


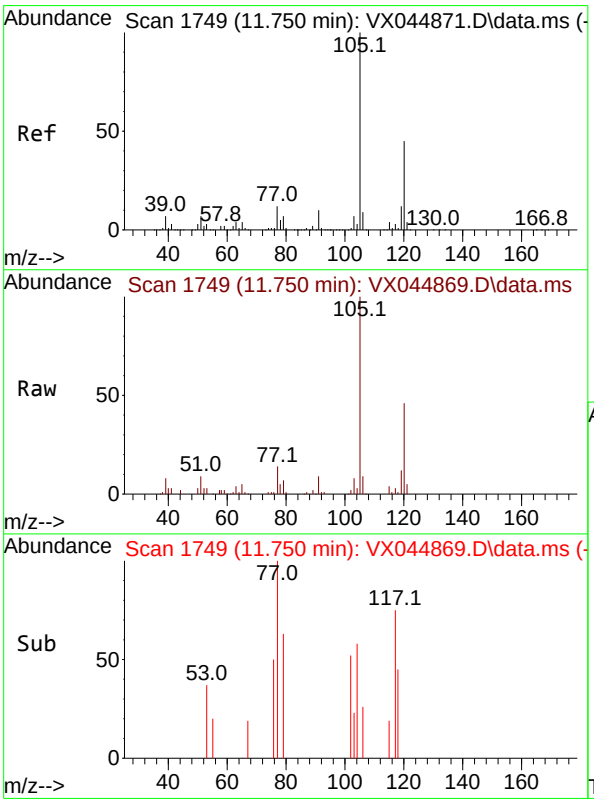
#83
tert-Butylbenzene
Concen: 5.068 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 31992

Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.1	87.4
134	24.7	11.5	34.5

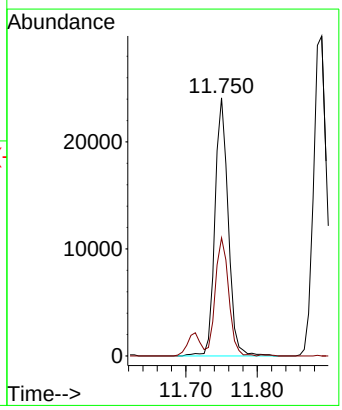


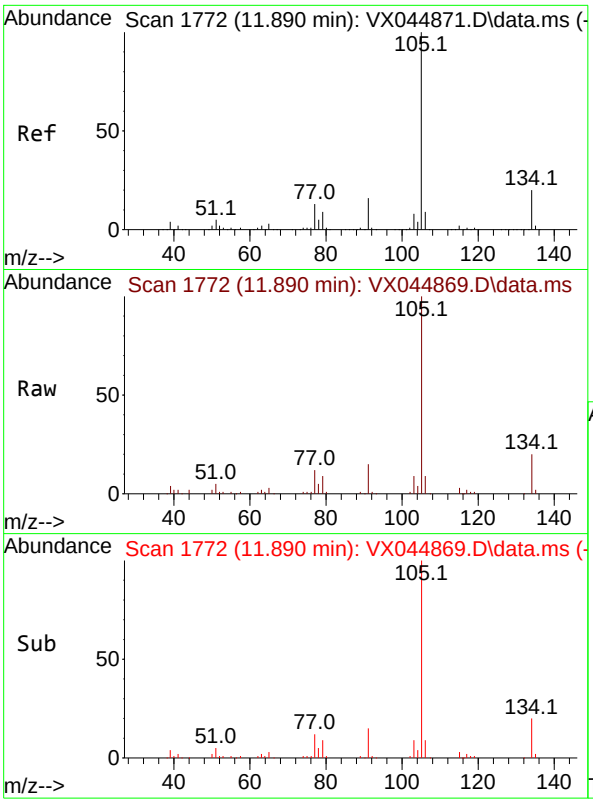


#84
1,2,4-Trimethylbenzene
Concen: 5.042 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:105 Resp: 31053

Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.4	67.0



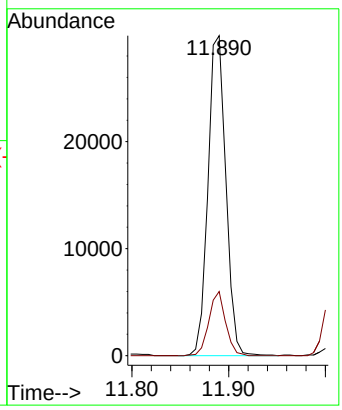


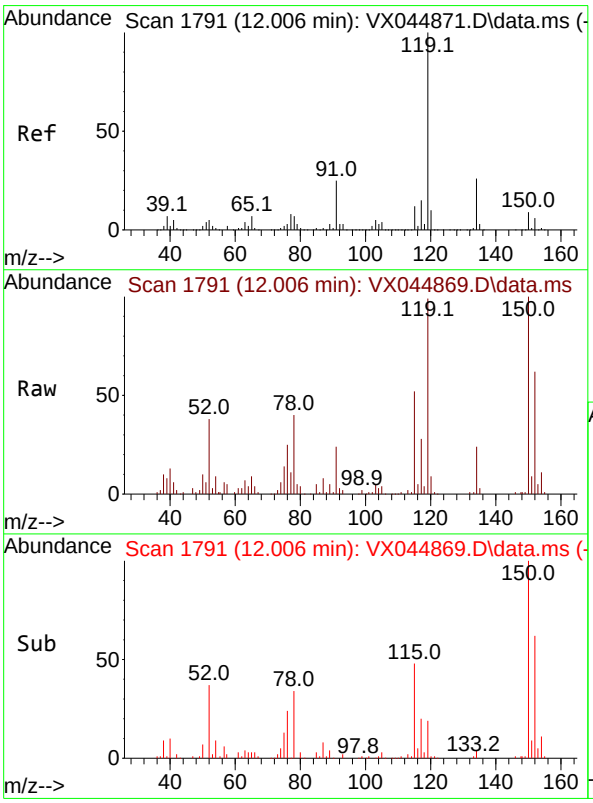
#85
sec-Butylbenzene
Concen: 4.917 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 38437

Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.8	29.3

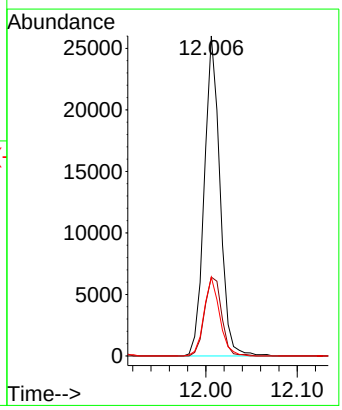


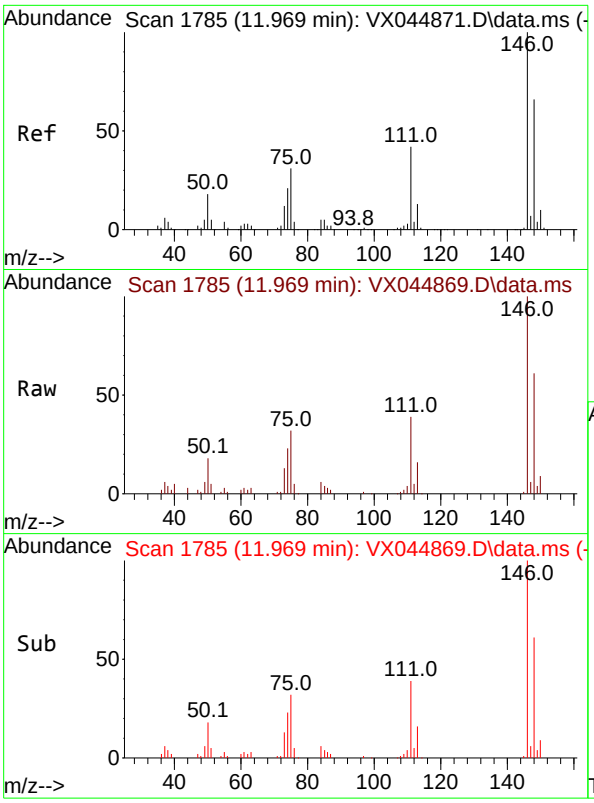


#86
p-Isopropyltoluene
Concen: 4.905 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:119 Resp: 30835

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	38.9
91	24.6	12.1	36.3



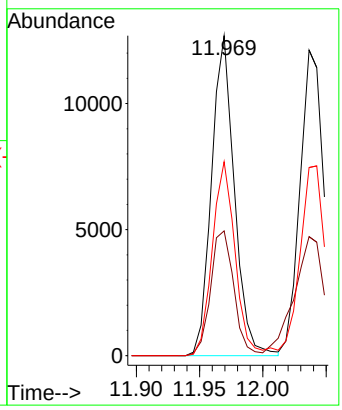


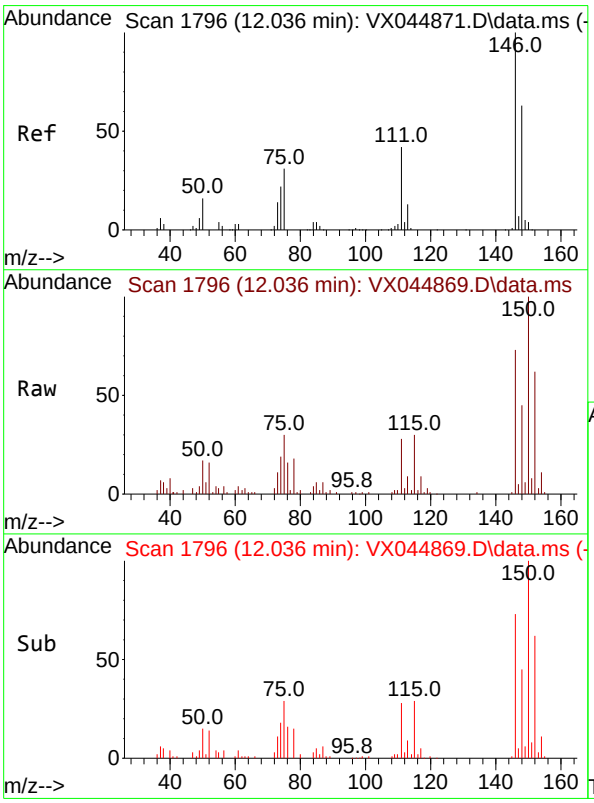
#87
1,3-Dichlorobenzene
Concen: 4.971 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 15935

Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.2	63.6
148	60.0	32.5	97.5

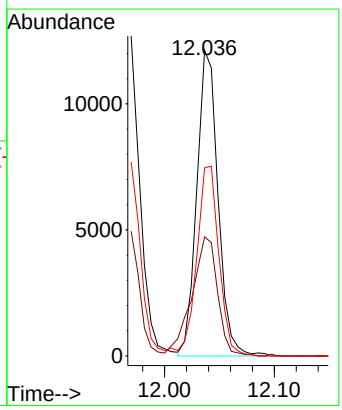


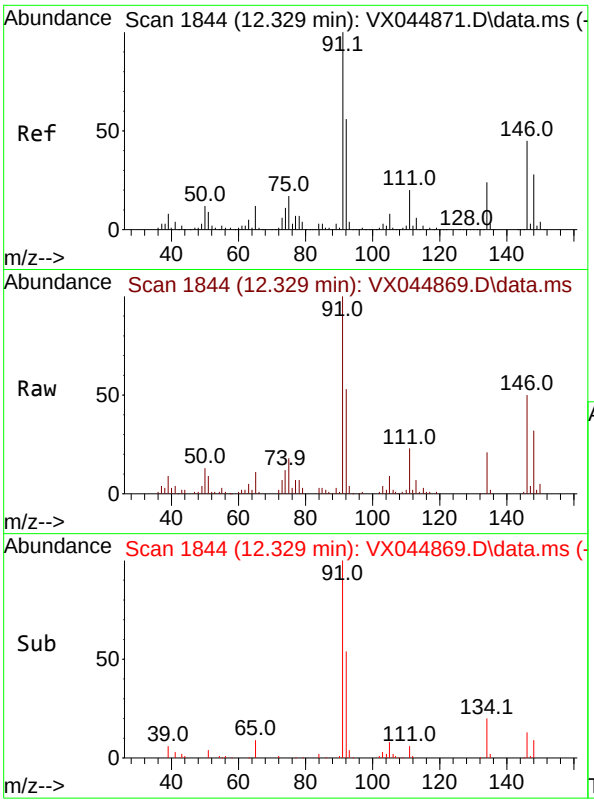


#88
1,4-Dichlorobenzene
Concen: 5.043 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:146 Resp: 16347

Ion	Ratio	Lower	Upper
146	100		
111	47.4	20.4	61.3
148	65.3	32.0	96.0



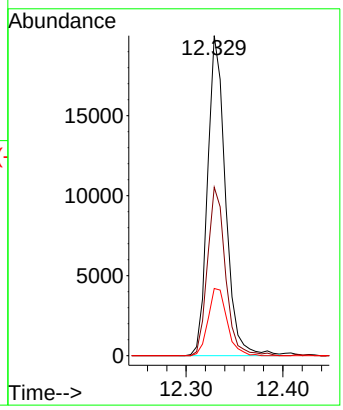


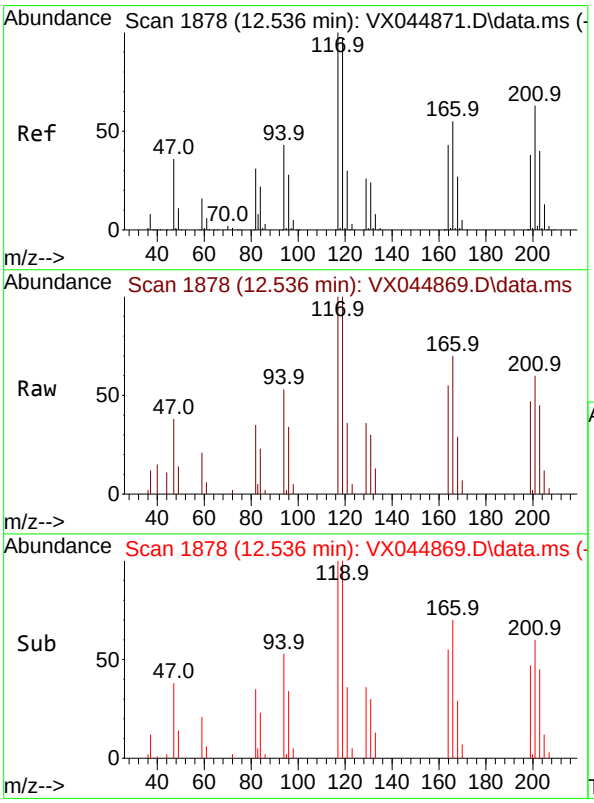
#89
n-Butylbenzene
Concen: 4.630 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 25747

Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.2	81.6
134	22.3	12.1	36.3

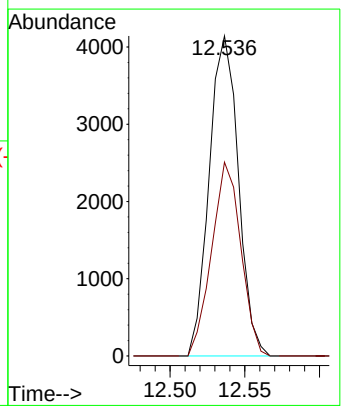


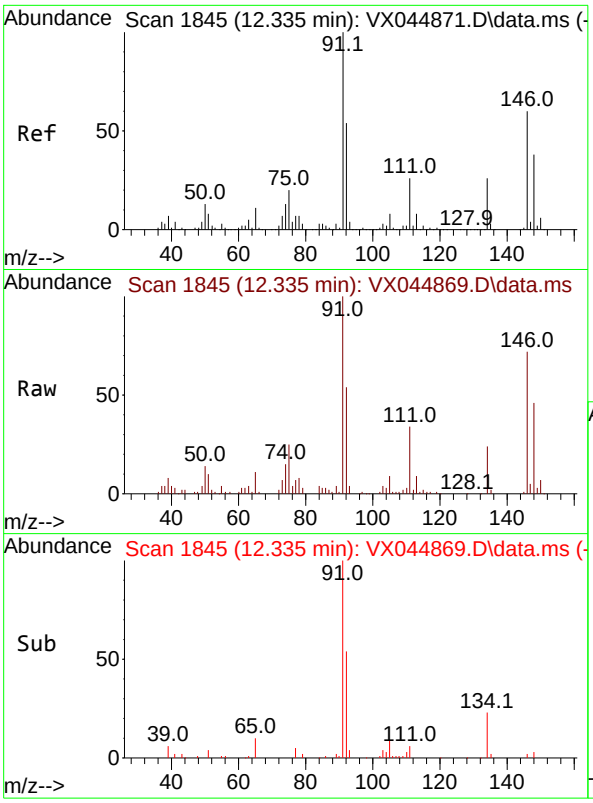


#90
Hexachloroethane
Concen: 4.775 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:117 Resp: 5620

Ion	Ratio	Lower	Upper
117	100		
201	60.6	32.5	97.5



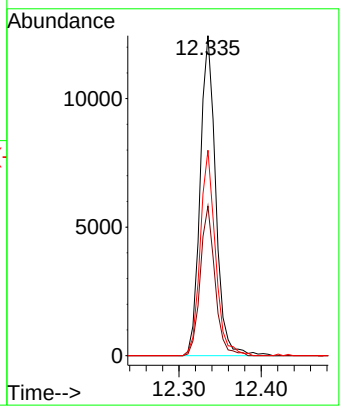


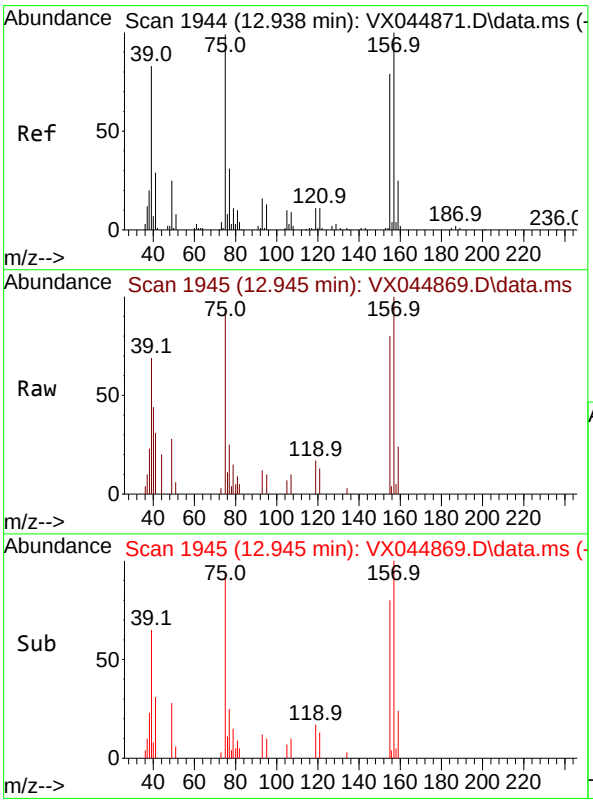
#91
1,2-Dichlorobenzene
Concen: 5.193 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 16362

Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.8	65.4
148	62.7	31.9	95.9

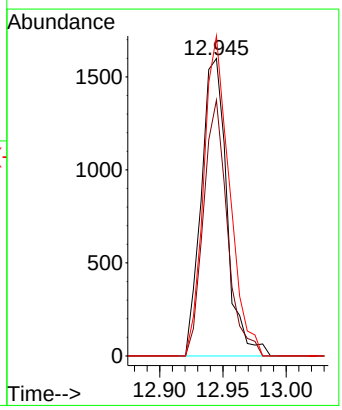


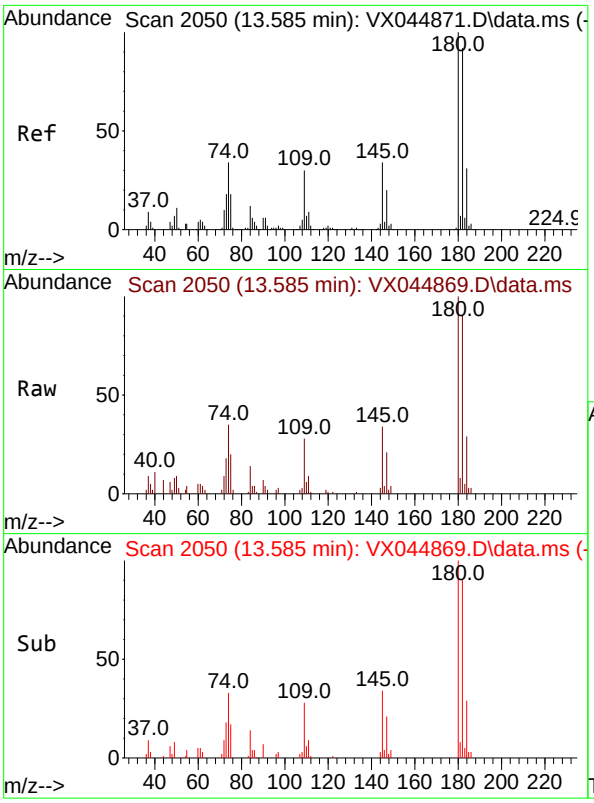


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.674 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 2254

Ion	Ratio	Lower	Upper
75	100		
155	80.0	40.5	121.4
157	108.1	51.4	154.3



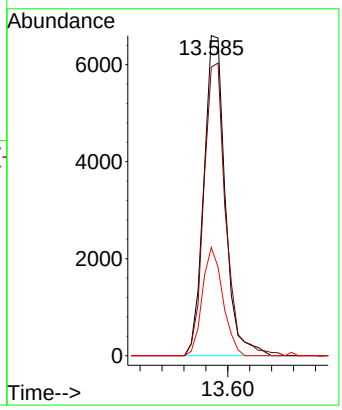


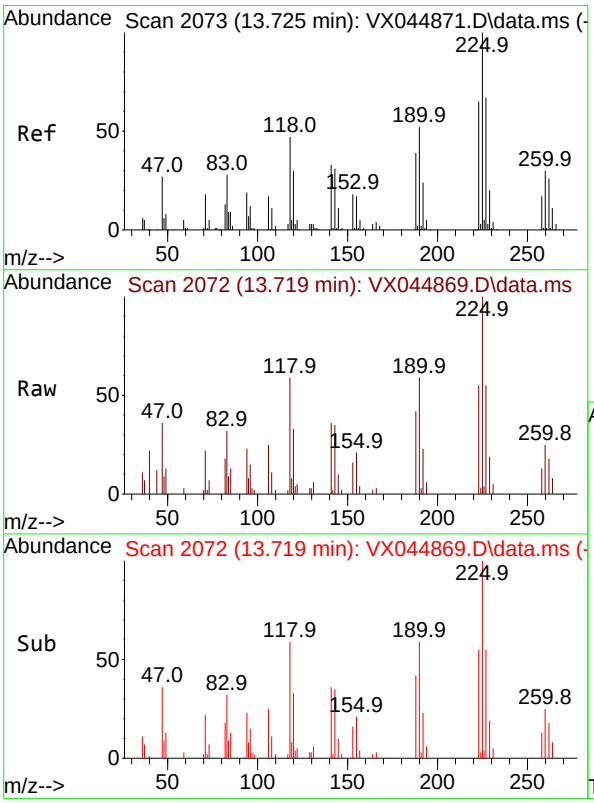
#93
1,2,4-Trichlorobenzene
Concen: 4.680 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 8923

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.6	142.8
145	32.3	16.4	49.1

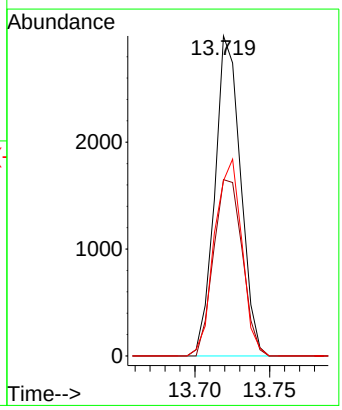


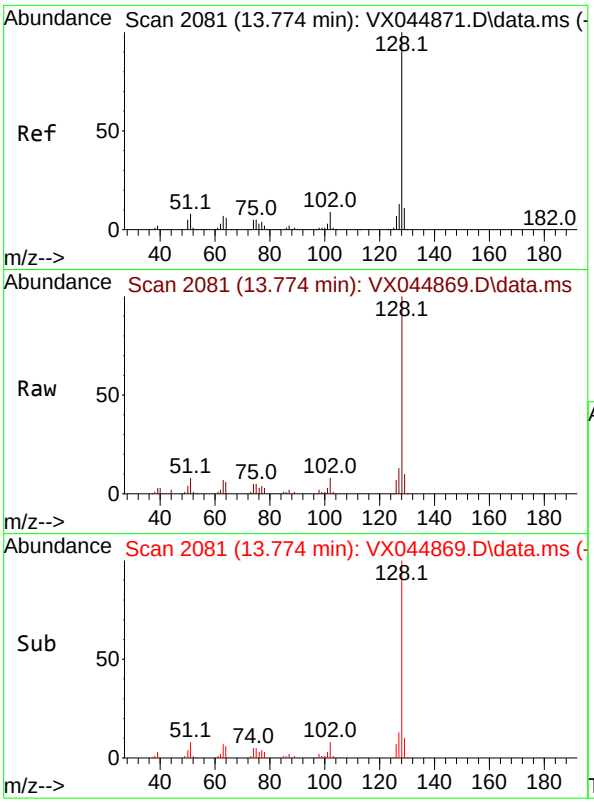


#94
Hexachlorobutadiene
Concen: 4.750 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:225 Resp: 3595

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.2
227	65.1	32.3	96.8



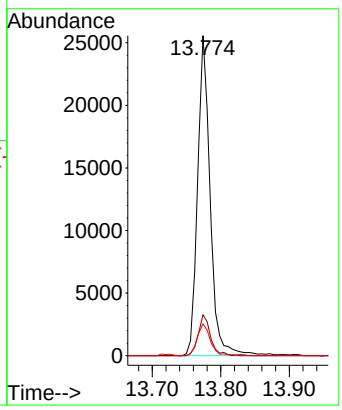


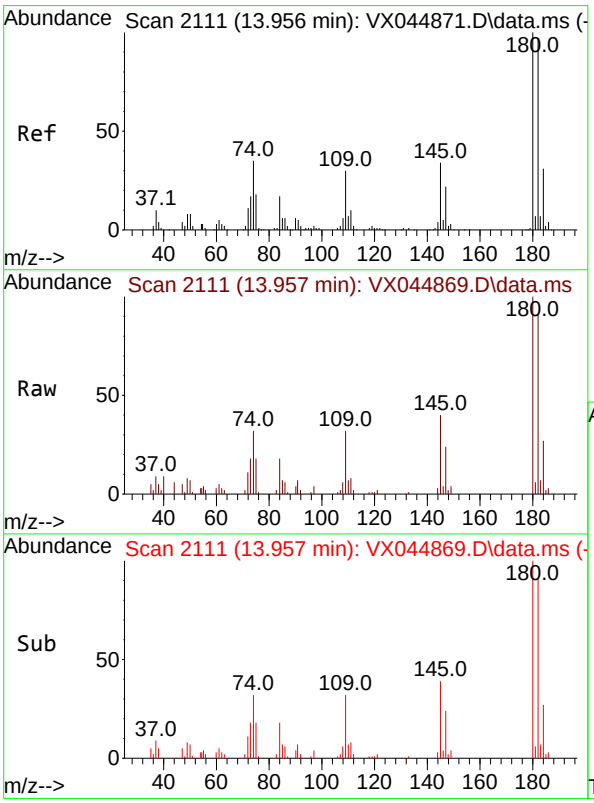
#95
Naphthalene
Concen: 4.756 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 32776

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.3	8.9	13.3

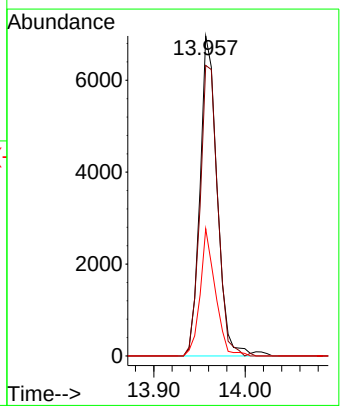




#96
1,2,3-Trichlorobenzene
Concen: 4.733 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:180 Resp: 9093

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.6
145	35.0	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	207667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	37195	19.616	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 39.240%#			
35) Dibromofluoromethane	5.379	113	30170	19.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 39.580%#			
50) Toluene-d8	8.647	98	117127	20.321	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 40.640%#			
62) 4-Bromofluorobenzene	11.079	95	38475	19.800	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 39.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	37123	20.434	ug/l	98
3) Chloromethane	1.301	50	44666	20.200	ug/l	95
4) Vinyl Chloride	1.374	62	43901	20.494	ug/l	99
5) Bromomethane	1.593	94	13057	20.369	ug/l	99
6) Chloroethane	1.660	64	14523	16.522	ug/l	94
7) Trichlorofluoromethane	1.868	101	56805	20.969	ug/l	98
8) Diethyl Ether	2.130	74	20699	21.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34593	21.135	ug/l	99
10) Methyl Iodide	2.441	142	44749	21.096	ug/l	99
11) Tert butyl alcohol	2.989	59	35834	101.870	ug/l	100
12) 1,1-Dichloroethene	2.307	96	34270	20.526	ug/l	99
13) Acrolein	2.233	56	33914	93.445	ug/l	99
14) Allyl chloride	2.654	41	61485	20.377	ug/l	98
15) Acrylonitrile	3.063	53	98518	104.896	ug/l	98
16) Acetone	2.380	43	77078	101.119	ug/l	98
17) Carbon Disulfide	2.502	76	92552	20.216	ug/l	99
18) Methyl Acetate	2.703	43	47970	19.943	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	110377	20.779	ug/l	98
20) Methylene Chloride	2.782	84	38390	20.562	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	34064	20.730	ug/l	92
22) Diisopropyl ether	3.757	45	120300	21.074	ug/l	93
23) Vinyl Acetate	3.715	43	490239	105.341	ug/l	99
24) 1,1-Dichloroethane	3.599	63	66942	20.958	ug/l	99
25) 2-Butanone	4.556	43	130481	105.417	ug/l	96
26) 2,2-Dichloropropane	4.471	77	51803	20.451	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42096	21.328	ug/l	97
28) Bromochloromethane	4.885	49	31474	20.504	ug/l	99
29) Tetrahydrofuran	5.001	42	86875	105.700	ug/l	99
30) Chloroform	5.087	83	65721	21.217	ug/l	98
31) Cyclohexane	5.458	56	60814	20.653	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54450	20.724	ug/l	100
36) 1,1-Dichloropropene	5.684	75	45991	20.913	ug/l	99
37) Ethyl Acetate	4.715	43	51242	20.949	ug/l	99
38) Carbon Tetrachloride	5.666	117	44802	20.790	ug/l	99
39) Methylcyclohexane	7.373	83	62505	21.985	ug/l	98
40) Benzene	6.031	78	147912	21.540	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	27347	20.887	ug/l		94
42) 1,2-Dichloroethane	6.086	62	47095	21.519	ug/l		100
43) Isopropyl Acetate	6.336	43	84306	21.343	ug/l		99
44) Trichloroethene	7.123	130	34390	21.910	ug/l		96
45) 1,2-Dichloropropane	7.428	63	36510	21.371	ug/l		99
46) Dibromomethane	7.574	93	25300	21.354	ug/l		99
47) Bromodichloromethane	7.818	83	48202	21.012	ug/l		97
48) Methyl methacrylate	7.690	41	39747	21.341	ug/l		100
49) 1,4-Dioxane	7.665	88	17153	429.262	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	263394	109.684	ug/l		99
52) Toluene	8.714	92	89726	21.940	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	48613	20.940	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	55026	21.259	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	33930	21.582	ug/l		98
56) Ethyl methacrylate	9.116	69	54674	21.533	ug/l		99
57) 1,3-Dichloropropane	9.305	76	60079	21.841	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	133072	106.736	ug/l		100
59) 2-Hexanone	9.427	43	190449	110.072	ug/l		98
60) Dibromochloromethane	9.519	129	35706	21.237	ug/l		99
61) 1,2-Dibromoethane	9.604	107	34463	21.628	ug/l		100
64) Tetrachloroethene	9.269	164	28519	21.776	ug/l		97
65) Chlorobenzene	10.073	112	94695	21.230	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30344	21.136	ug/l		99
67) Ethyl Benzene	10.189	91	167865	21.327	ug/l		100
68) m/p-Xylenes	10.299	106	125271	43.144	ug/l		99
69) o-Xylene	10.640	106	62087	21.310	ug/l		97
70) Styrene	10.653	104	103740	22.101	ug/l		98
71) Bromoform	10.799	173	22592	21.086	ug/l	#	99
73) Isopropylbenzene	10.957	105	160147	21.597	ug/l		99
74) N-amyl acetate	10.842	43	70542	21.023	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52967	20.787	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	55632	27.246	ug/l		83
77) Bromobenzene	11.195	156	36021	21.426	ug/l		97
78) n-propylbenzene	11.299	91	183212	21.406	ug/l		99
79) 2-Chlorotoluene	11.360	91	111782	21.250	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	130526	21.691	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	15375	19.370	ug/l		96
82) 4-Chlorotoluene	11.451	91	122303	21.016	ug/l		100
83) tert-Butylbenzene	11.713	119	130358	21.414	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	130211	21.924	ug/l		100
85) sec-Butylbenzene	11.890	105	162875	21.607	ug/l		100
86) p-Isopropyltoluene	12.006	119	130643	21.551	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	64141	20.747	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	64889	20.758	ug/l		98
89) n-Butylbenzene	12.329	91	113705	21.202	ug/l		100
90) Hexachloroethane	12.536	117	23153	20.398	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	64940	21.373	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9873	21.230	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	37308	20.292	ug/l		99
94) Hexachlorobutadiene	13.725	225	15312	20.979	ug/l		96
95) Naphthalene	13.774	128	142902	21.502	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	38389	20.722	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

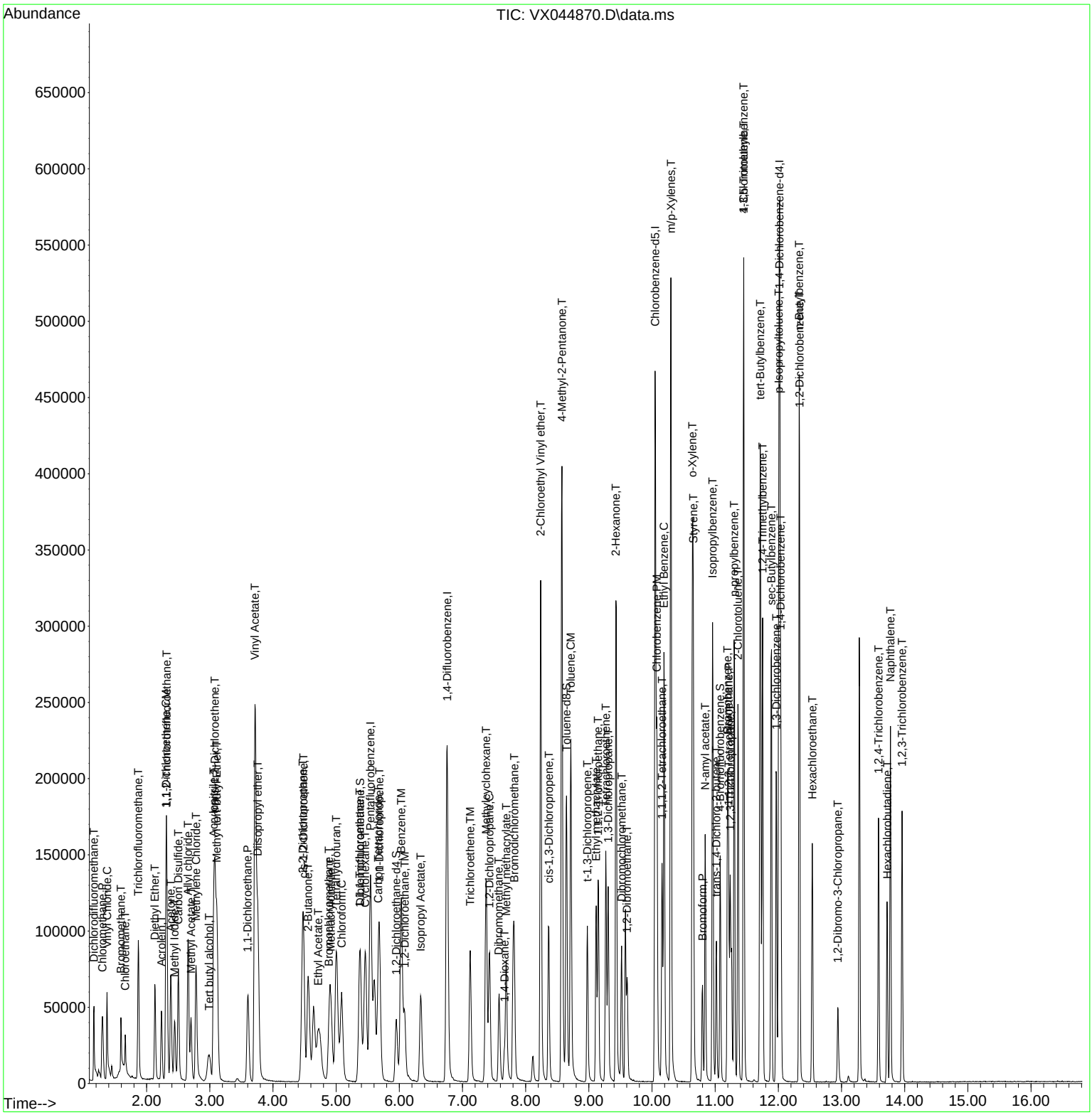
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

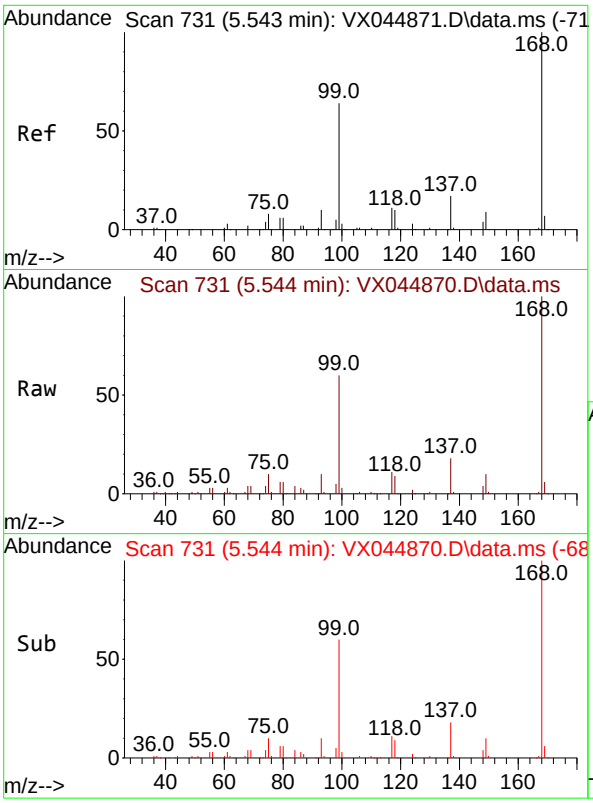
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration



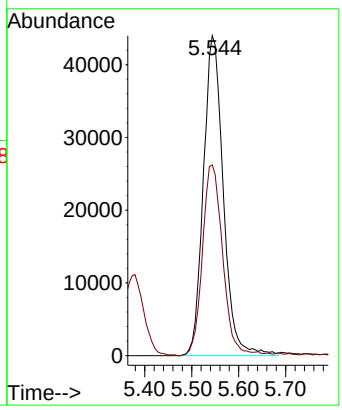


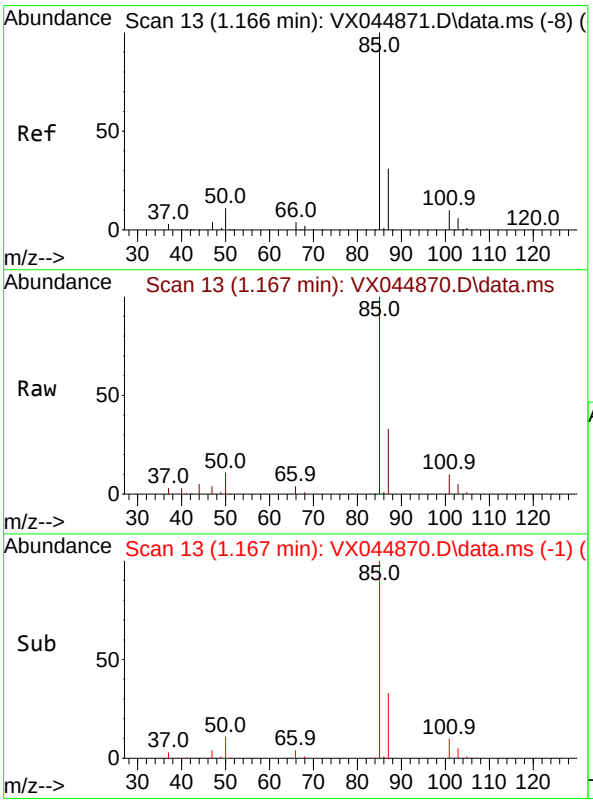
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 129532

Ion	Ratio	Lower	Upper
168	100		
99	59.6	51.2	76.8

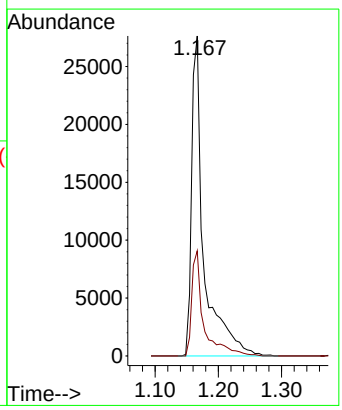


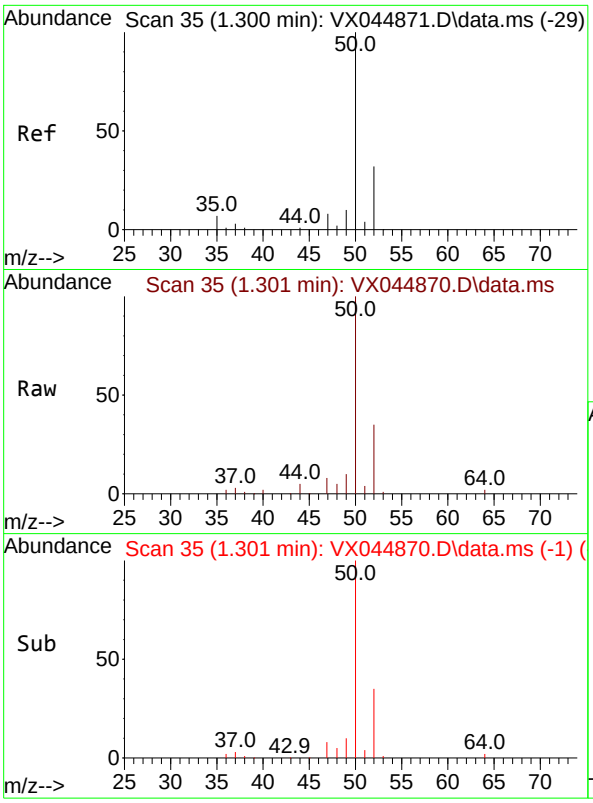


#2
Dichlorodifluoromethane
Concen: 20.434 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 85 Resp: 37123

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.8	47.3



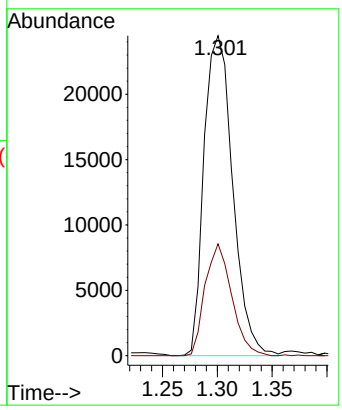


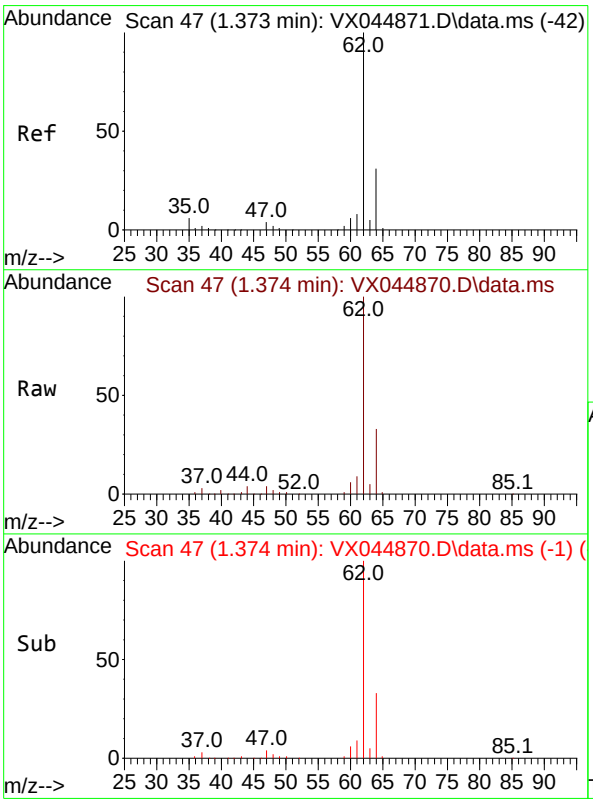
#3
Chloromethane
Concen: 20.200 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 44666

Ion	Ratio	Lower	Upper
50	100		
52	35.0	25.9	38.9

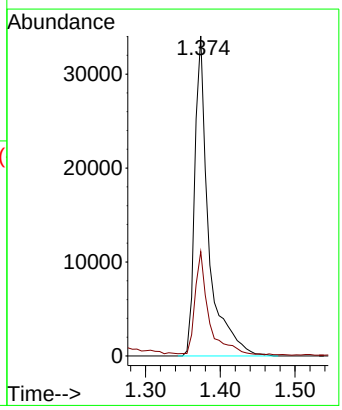


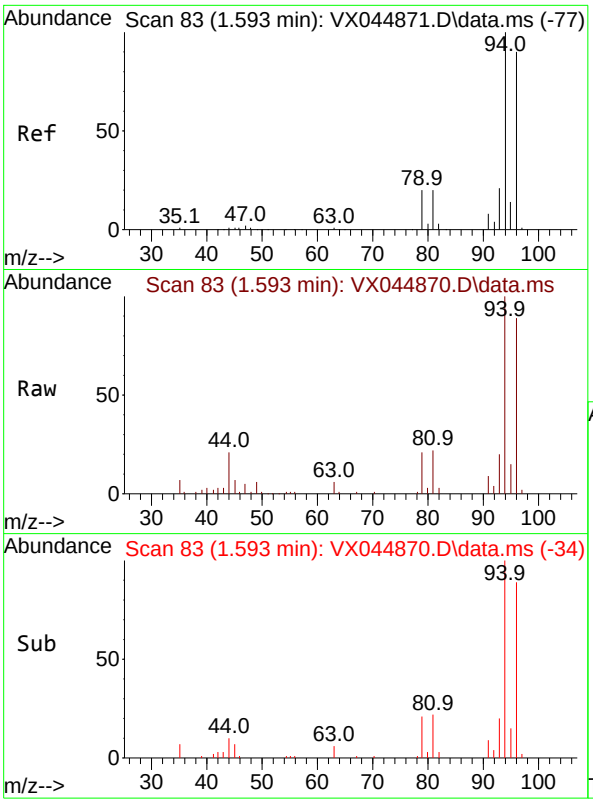


#4
Vinyl Chloride
Concen: 20.494 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 43901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.4	38.0



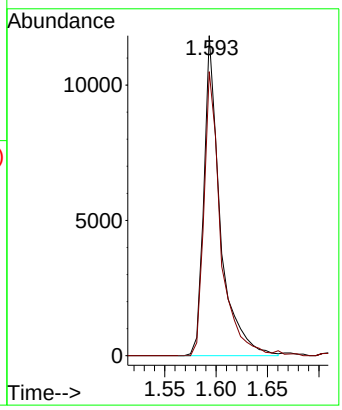


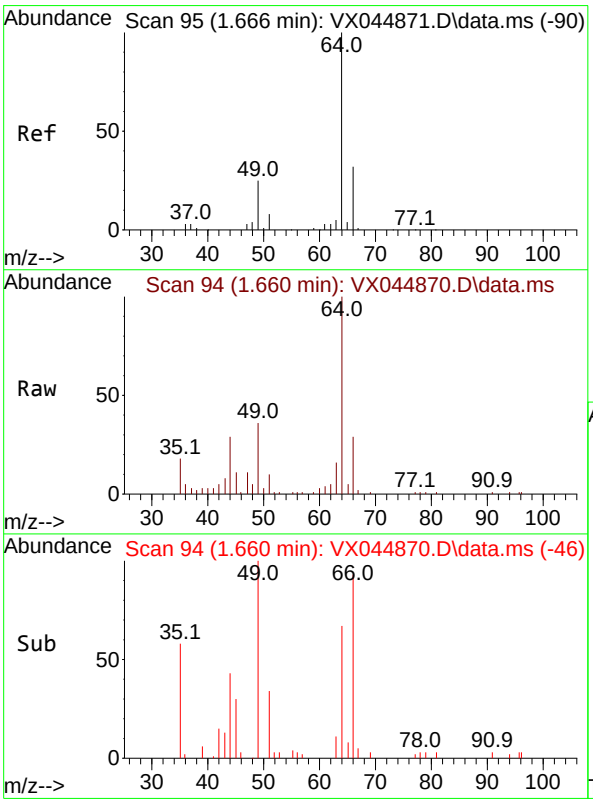
#5
Bromomethane
Concen: 20.369 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 13057

Ion	Ratio	Lower	Upper
94	100		
96	88.8	71.6	107.4

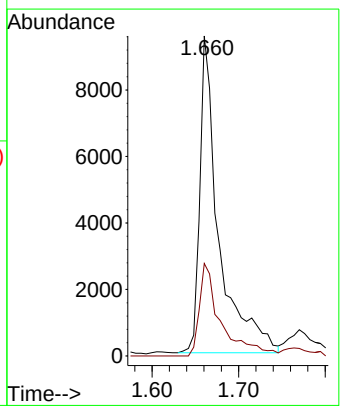


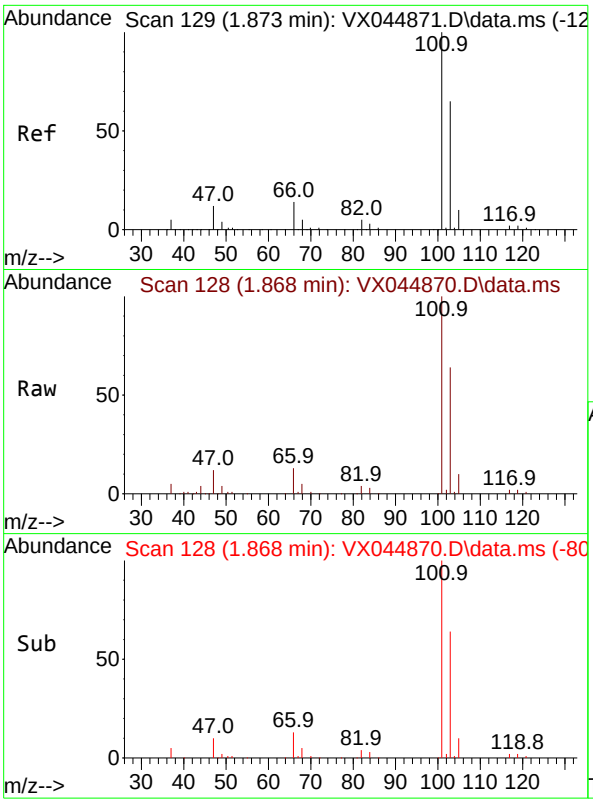


#6
Chloroethane
Concen: 16.522 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 64 Resp: 14523

Ion	Ratio	Lower	Upper
64	100		
66	29.2	25.9	38.9



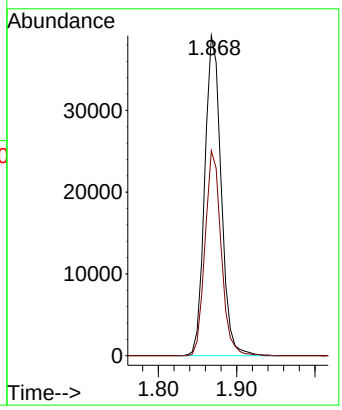


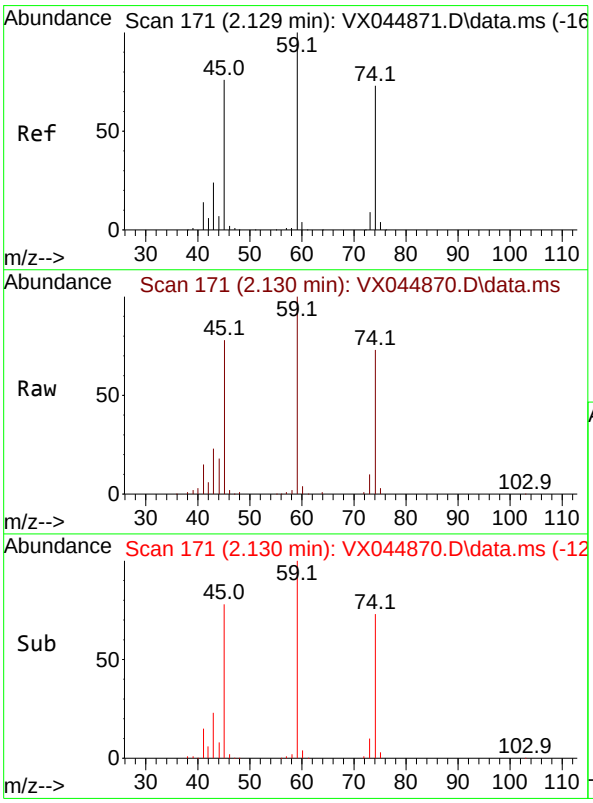
#7
Trichlorofluoromethane
Concen: 20.969 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 56805

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.4	78.6

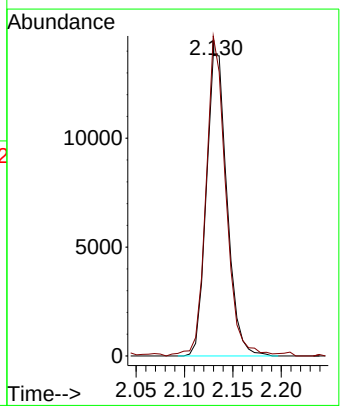


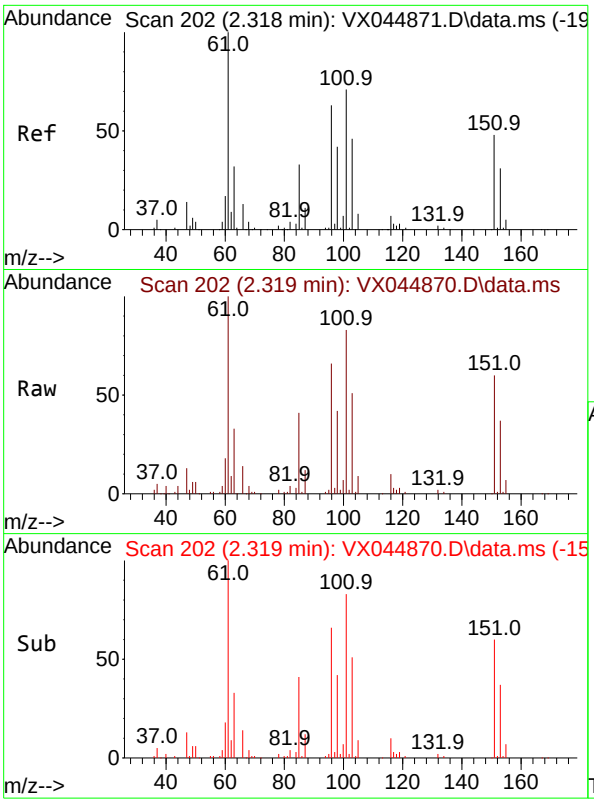


#8
Diethyl Ether
Concen: 21.069 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 74 Resp: 20699

Ion	Ratio	Lower	Upper
74	100		
45	101.2	51.1	153.4



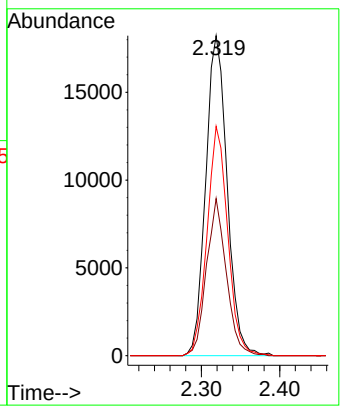


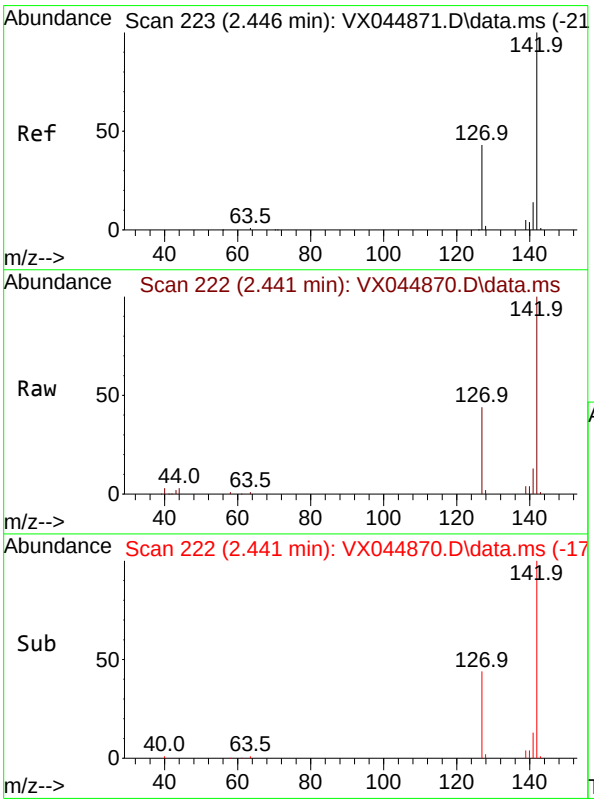
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.135 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 34593

Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.7	53.5
151	69.4	56.0	84.0

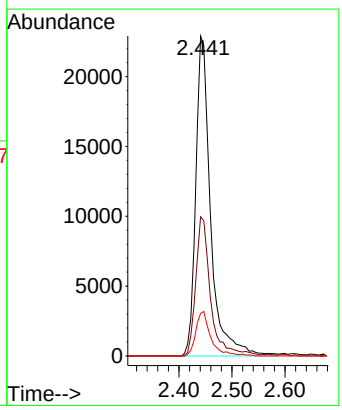


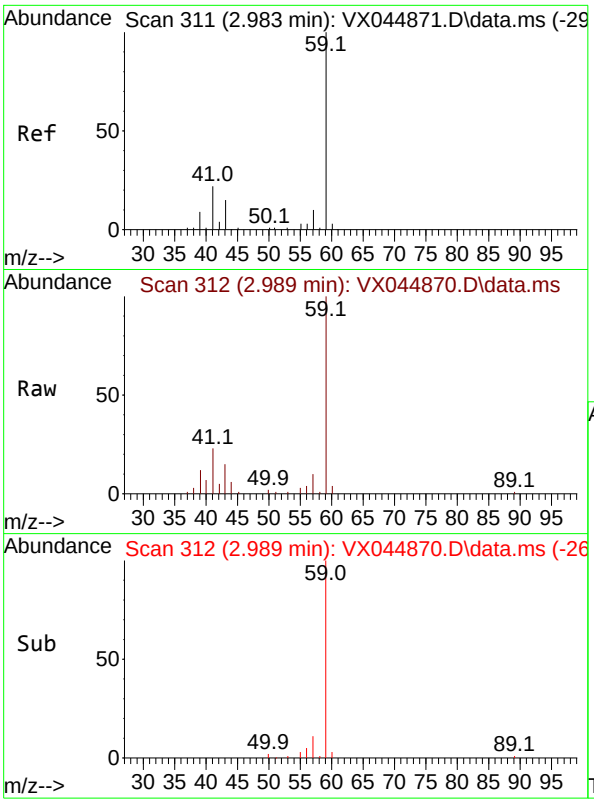


#10
Methyl Iodide
Concen: 21.096 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:142 Resp: 44749

Ion	Ratio	Lower	Upper
142	100		
127	43.4	34.3	51.5
141	14.0	11.4	17.2



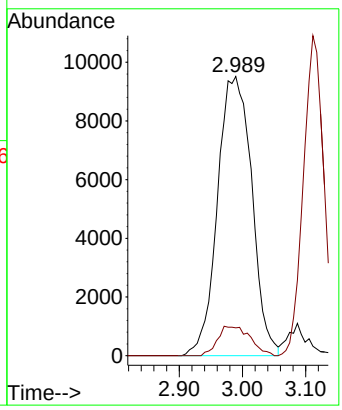


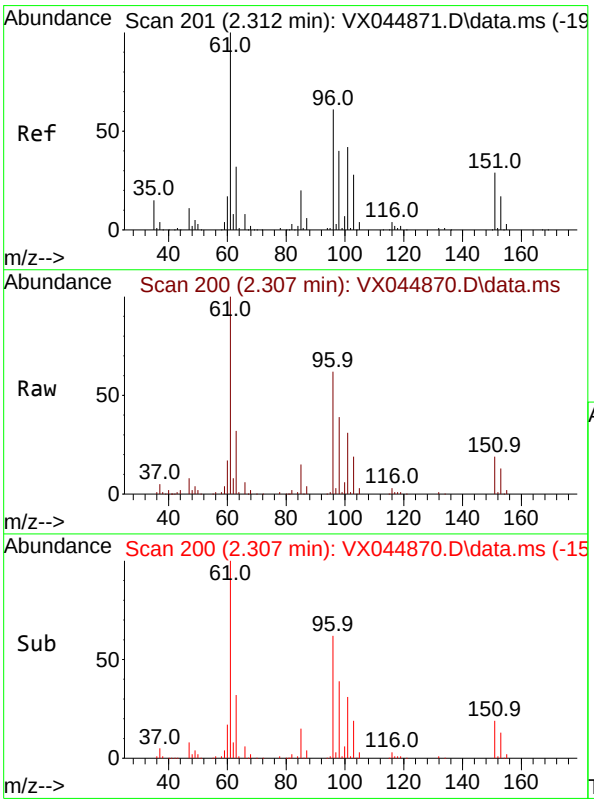
#11
Tert butyl alcohol
Concen: 101.870 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 35834

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

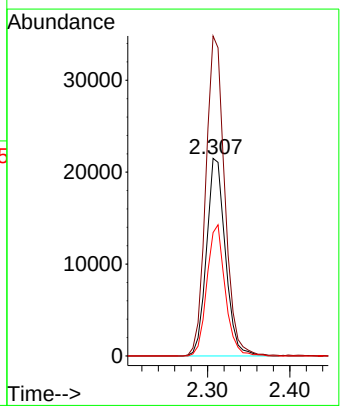


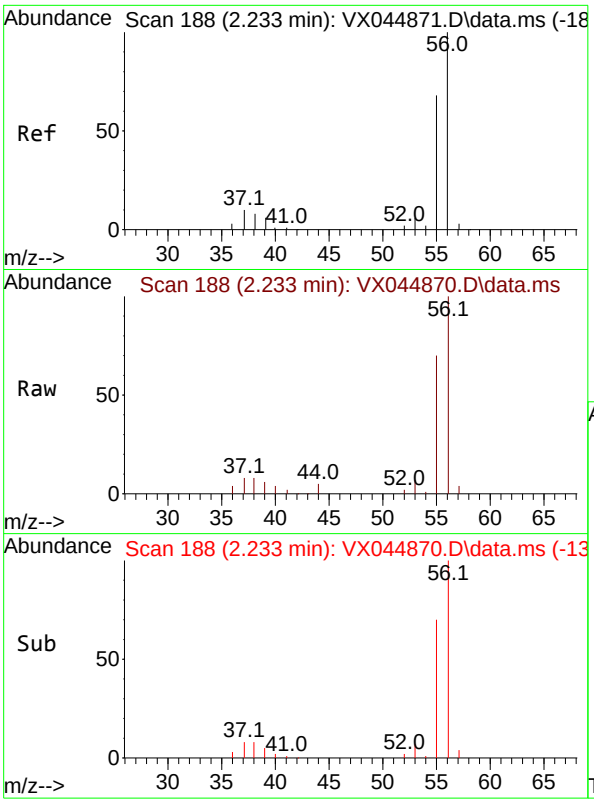


#12
1,1-Dichloroethene
Concen: 20.526 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 96 Resp: 34270

Ion	Ratio	Lower	Upper
96	100		
61	161.9	130.2	195.4
98	62.4	52.2	78.4



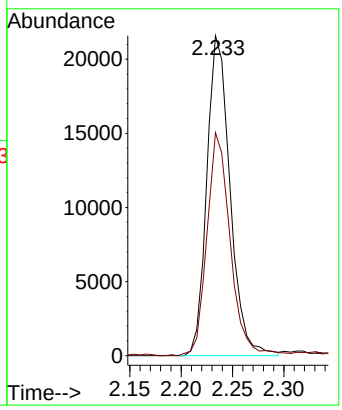


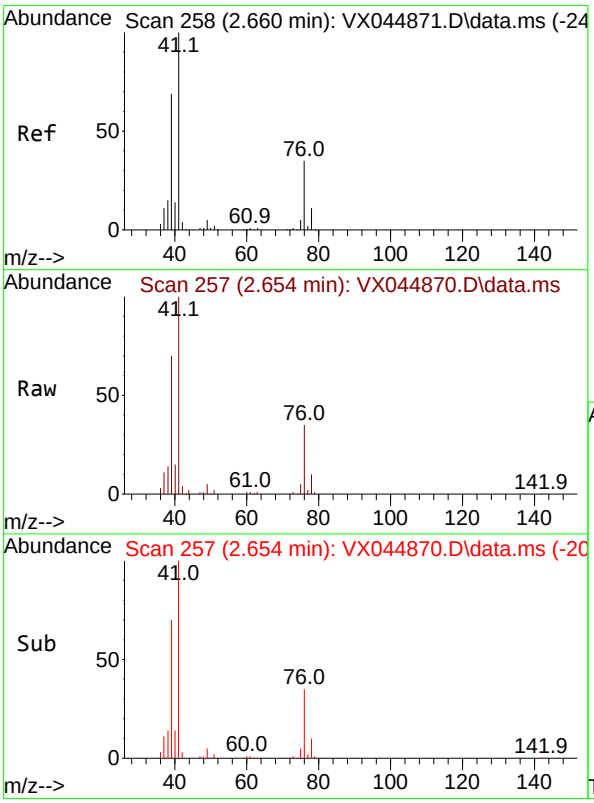
#13
Acrolein
Concen: 93.445 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 33914

Ion	Ratio	Lower	Upper
56	100		
55	70.1	55.7	83.5

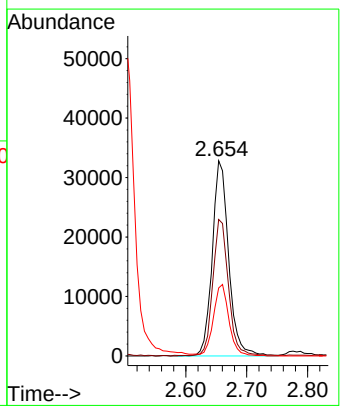


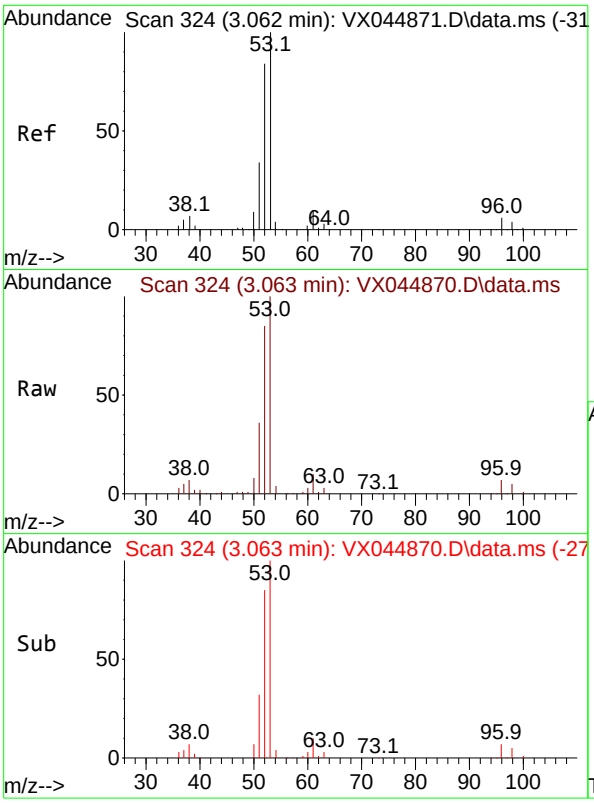


#14
Allyl chloride
Concen: 20.377 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 61485

Ion	Ratio	Lower	Upper
41	100		
39	65.8	51.4	77.2
76	34.9	27.0	40.4



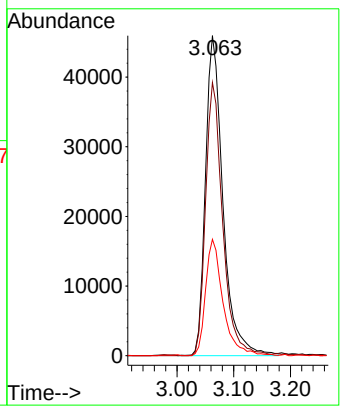


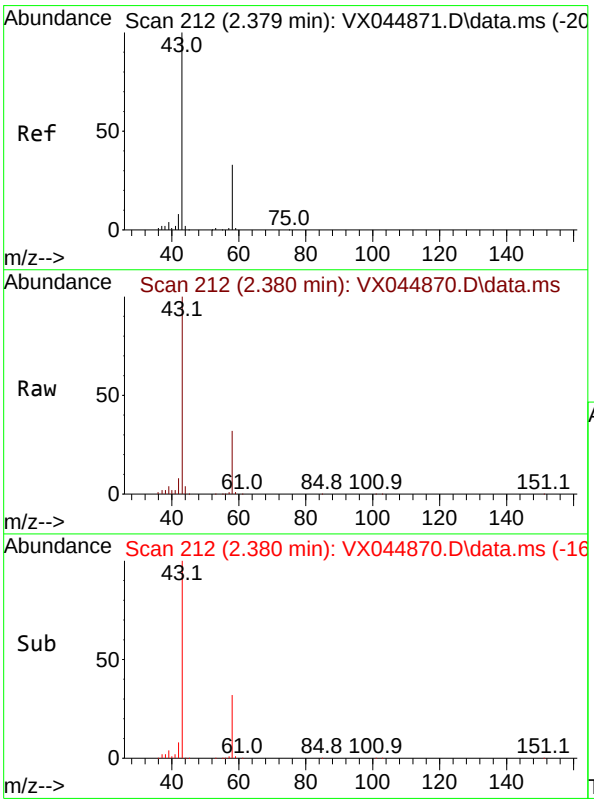
#15
Acrylonitrile
Concen: 104.896 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 98518

Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.0	97.6
51	36.3	28.0	42.0

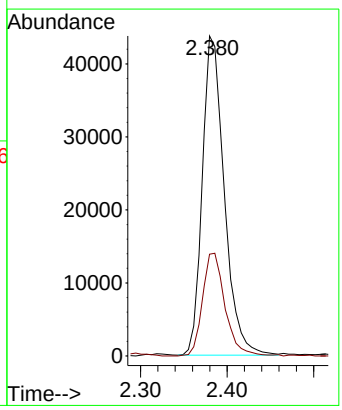


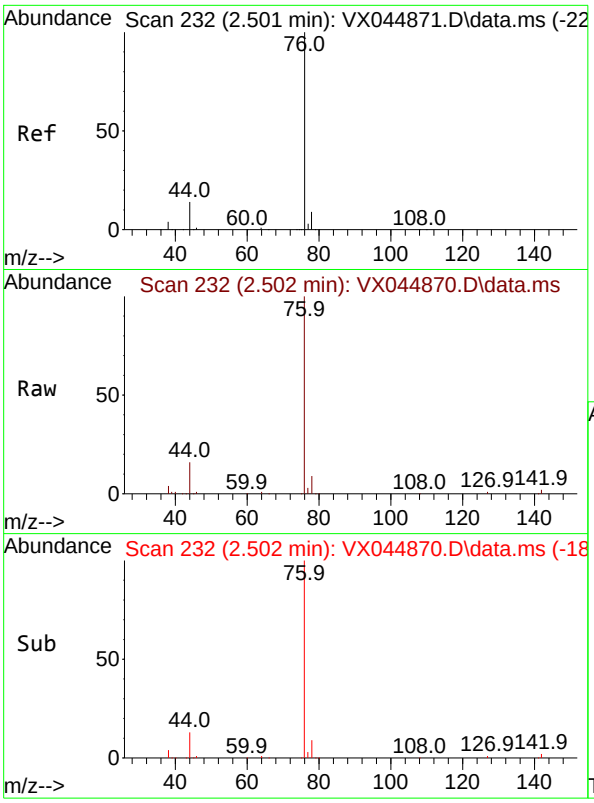


#16
Acetone
Concen: 101.119 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 77078

Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.5	39.7



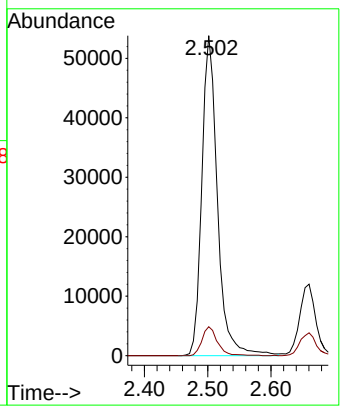


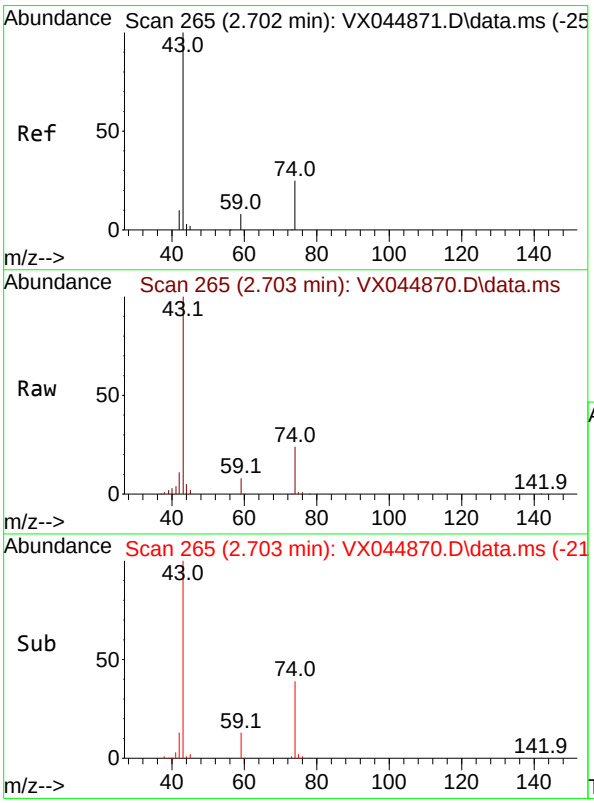
#17
Carbon Disulfide
Concen: 20.216 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 92552

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

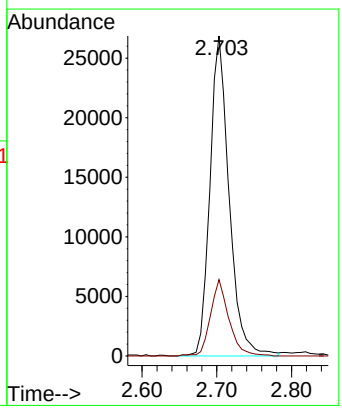


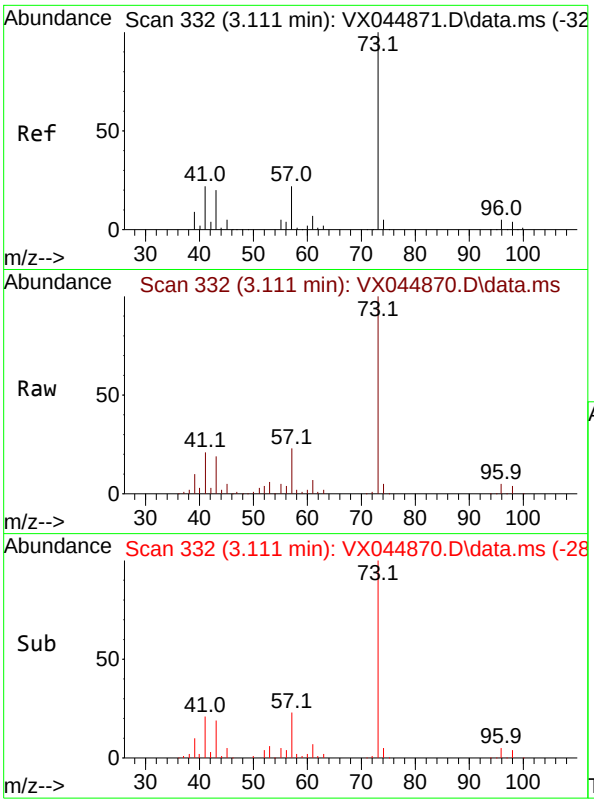


#18
Methyl Acetate
Concen: 19.943 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 47970

Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.9	28.3



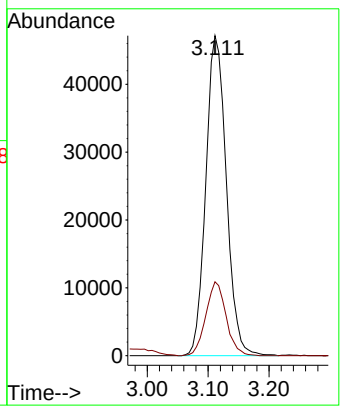


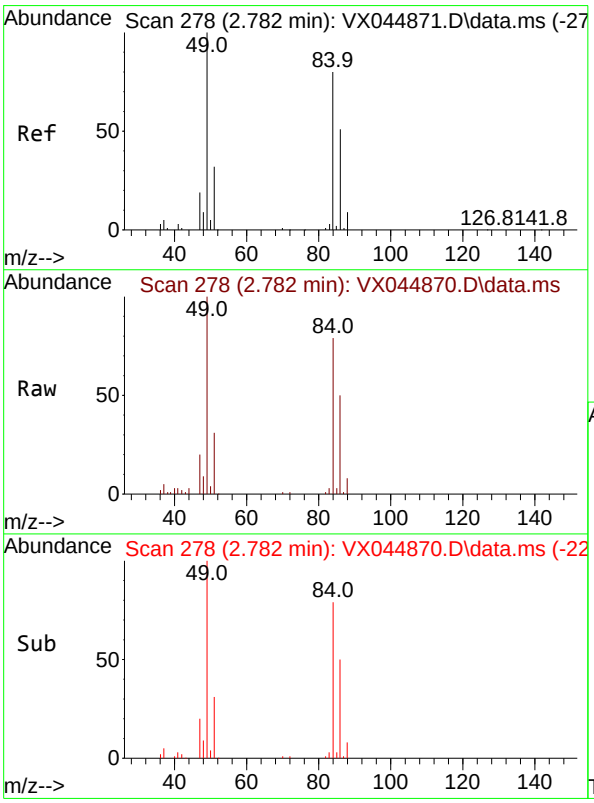
#19
Methyl tert-butyl Ether
Concen: 20.779 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 110377

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.9	26.9

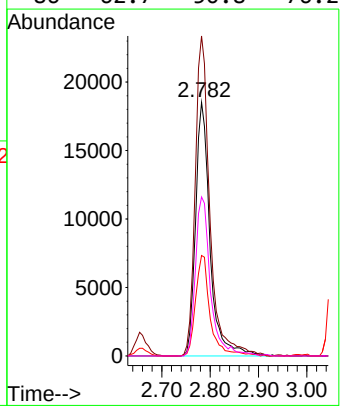


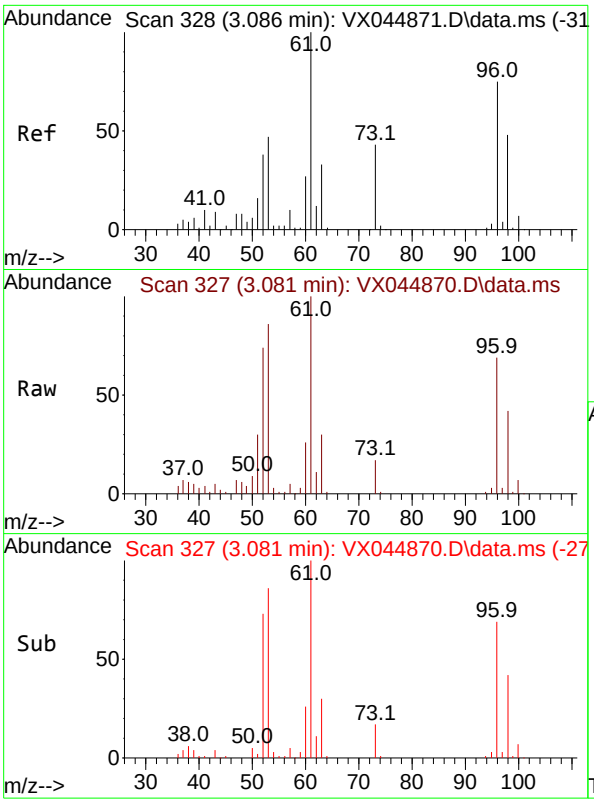


#20
Methylene Chloride
Concen: 20.562 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 84 Resp: 38390

Ion	Ratio	Lower	Upper
84	100		
49	126.2	100.1	150.1
51	39.6	31.7	47.5
86	62.7	50.8	76.2



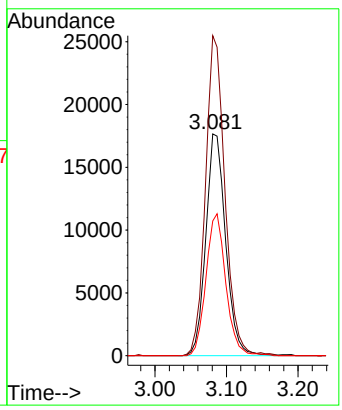


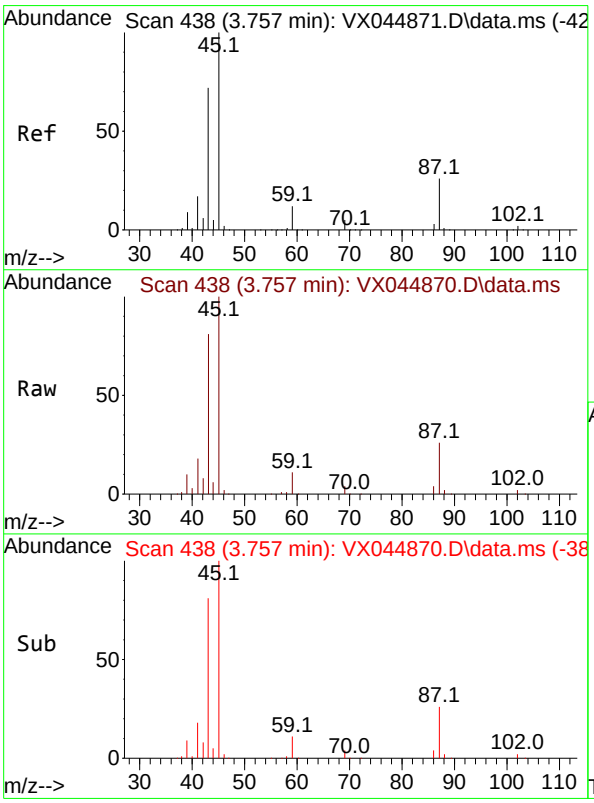
#21
trans-1,2-Dichloroethene
Concen: 20.730 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 34064

Ion	Ratio	Lower	Upper
96	100		
61	144.3	106.0	159.0
98	60.8	50.6	76.0

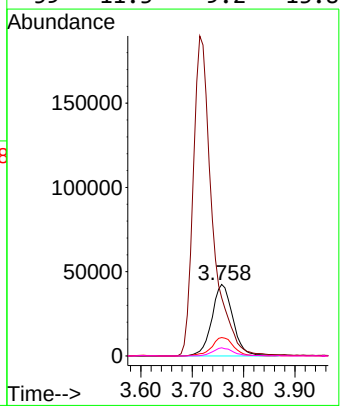


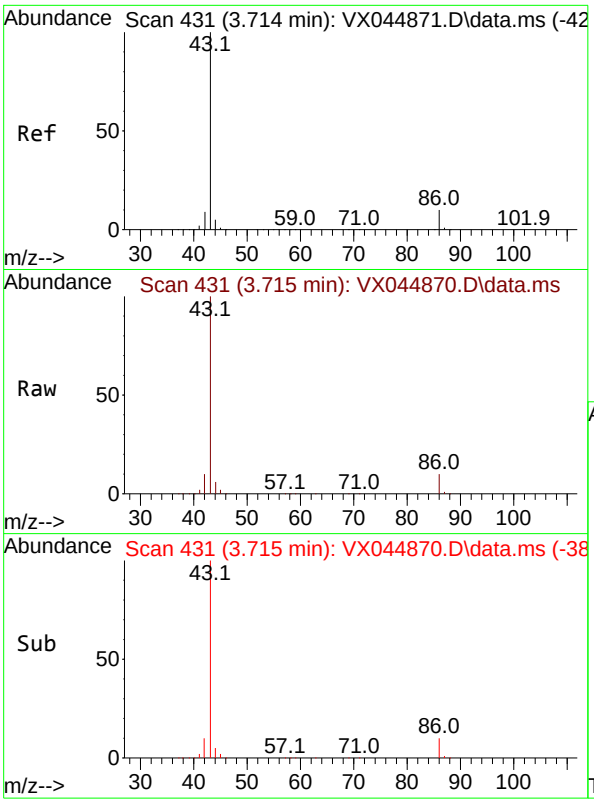


#22
Diisopropyl ether
Concen: 21.074 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 45 Resp: 120300

Ion	Ratio	Lower	Upper
45	100		
43	80.8	58.0	87.0
87	25.8	20.7	31.1
59	11.3	9.2	13.8



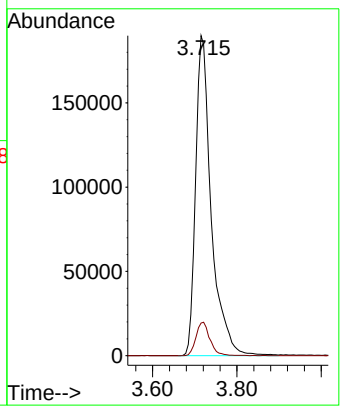


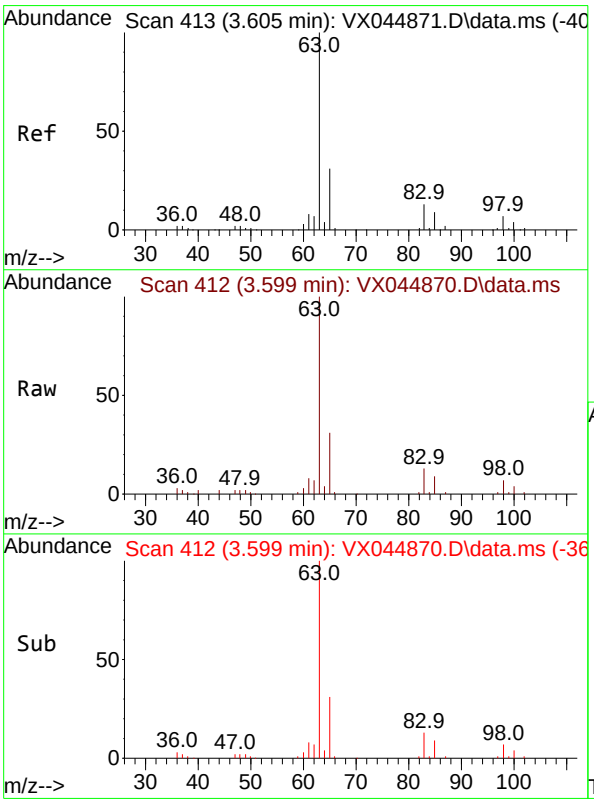
#23
Vinyl Acetate
Concen: 105.341 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 490239

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.3	12.5

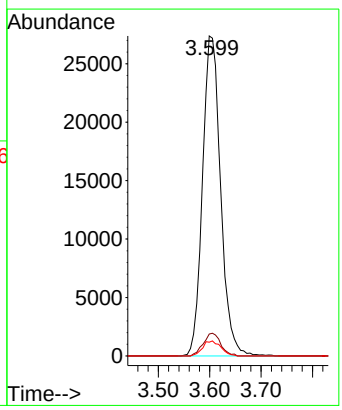


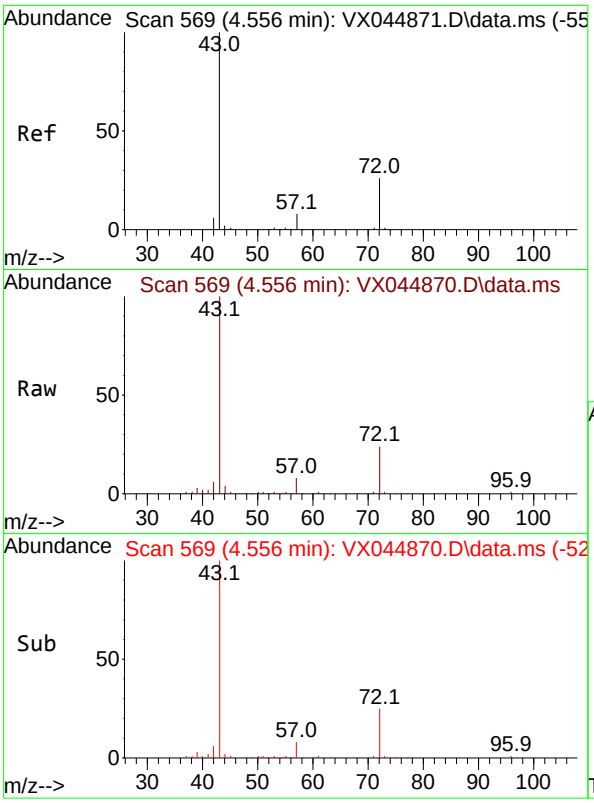


#24
1,1-Dichloroethane
Concen: 20.958 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 63 Resp: 66942

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.9
100	4.3	2.1	6.5



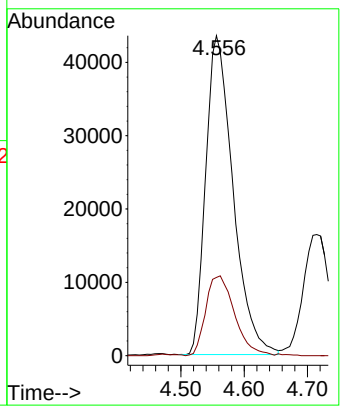


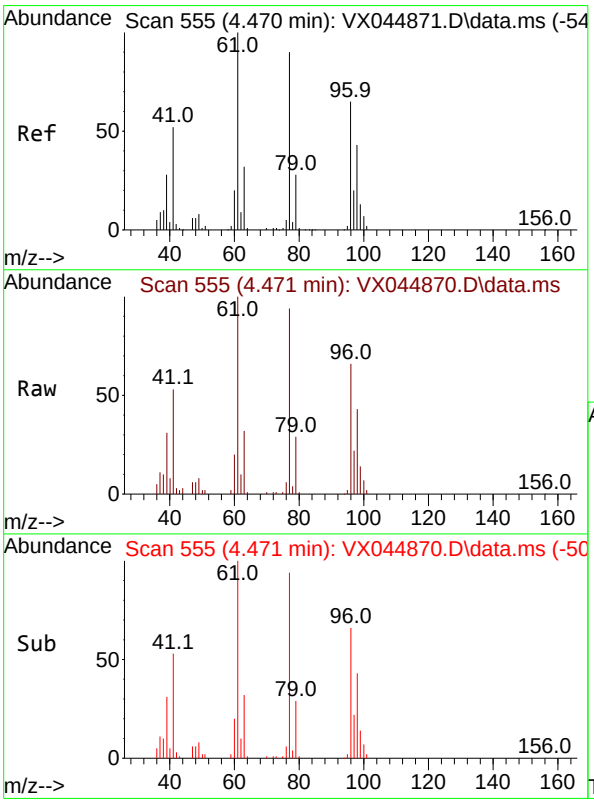
#25
2-Butanone
Concen: 105.417 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 130481

Ion	Ratio	Lower	Upper
43	100		
72	24.2	21.2	31.8

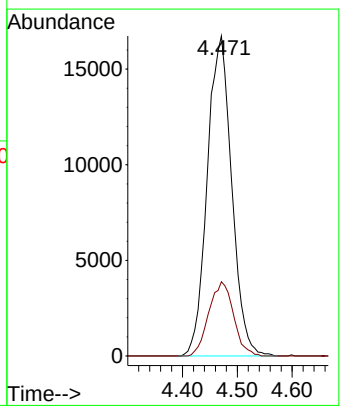


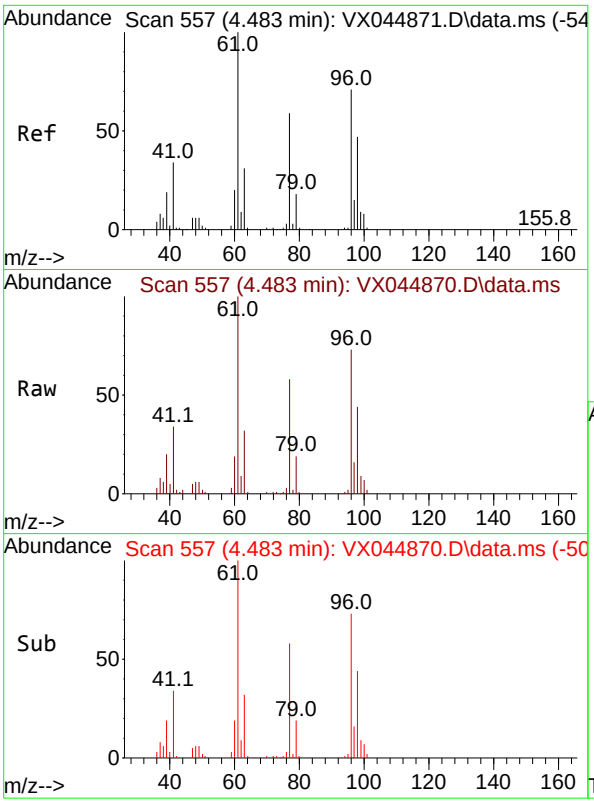


#26
2,2-Dichloropropane
Concen: 20.451 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 77 Resp: 51803

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.8	35.3



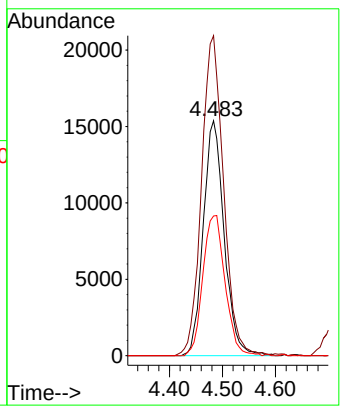


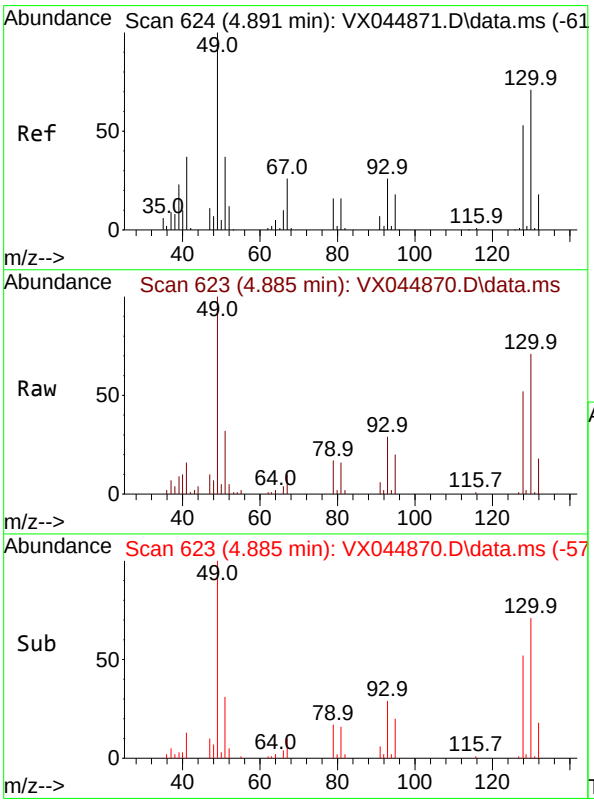
#27
cis-1,2-Dichloroethene
Concen: 21.328 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 42096

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	294.0
98	63.4	0.0	131.2

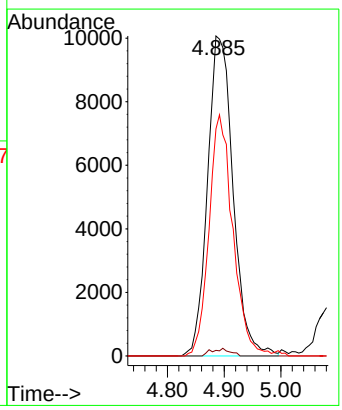


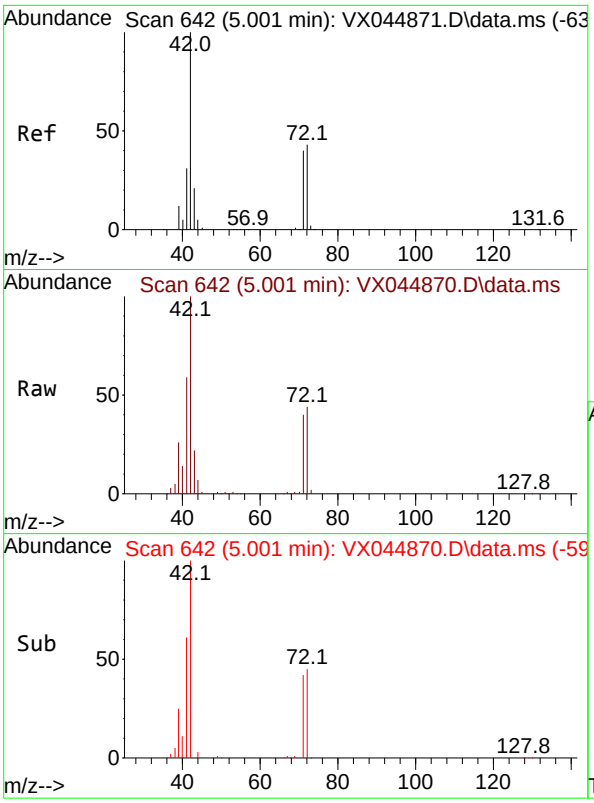


#28
Bromochloromethane
Concen: 20.504 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 49 Resp: 31474

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	70.3	56.7	85.1



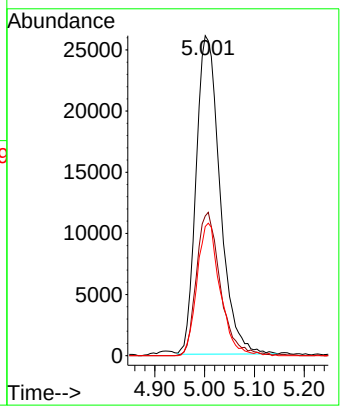


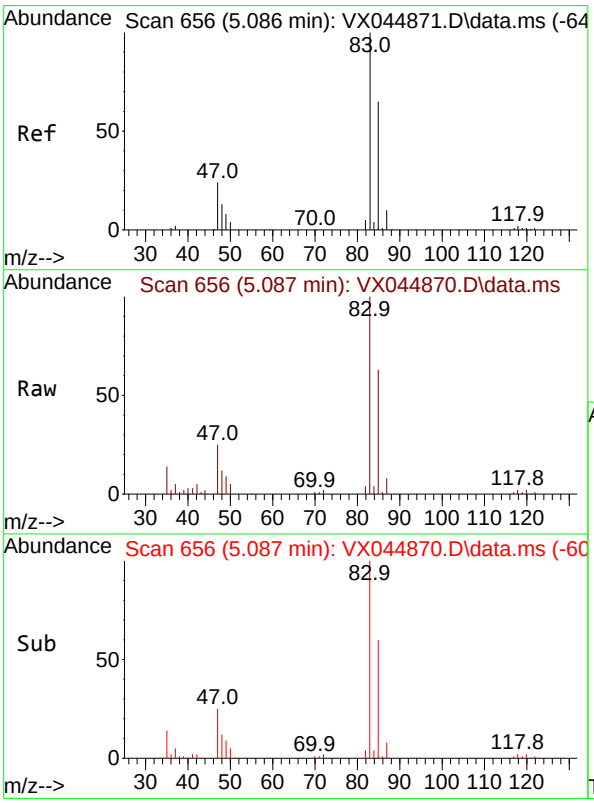
#29
Tetrahydrofuran
Concen: 105.700 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 86875

Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.0	52.4
71	40.4	32.6	48.8

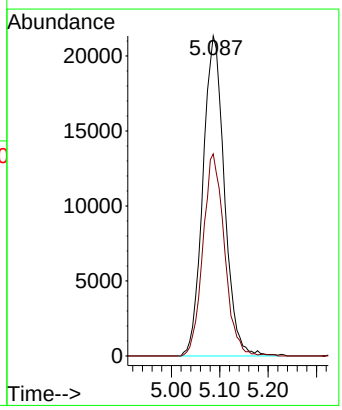


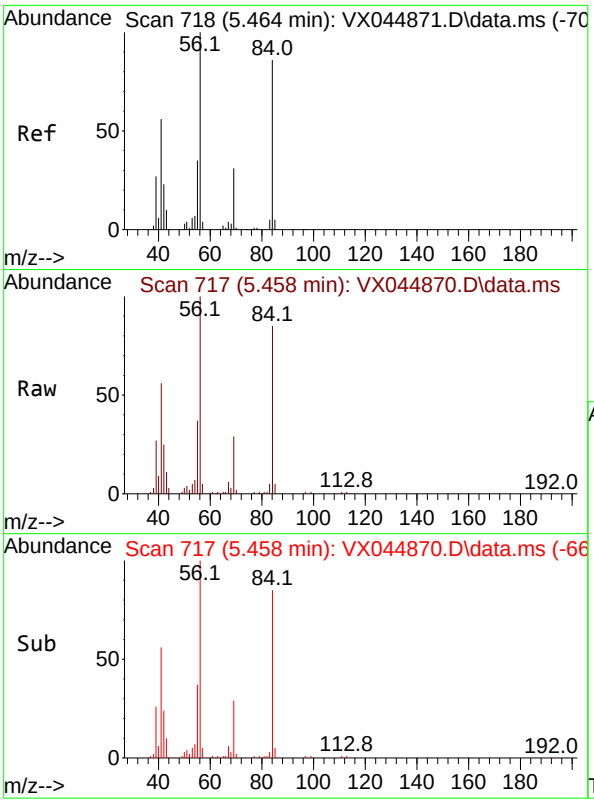


#30
Chloroform
Concen: 21.217 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 83 Resp: 65721

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.1	78.1



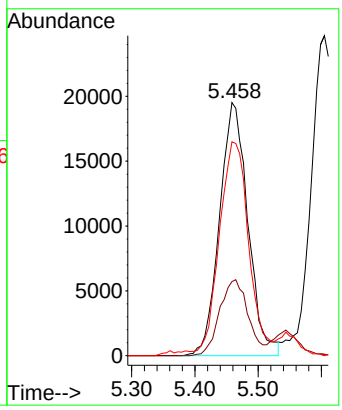


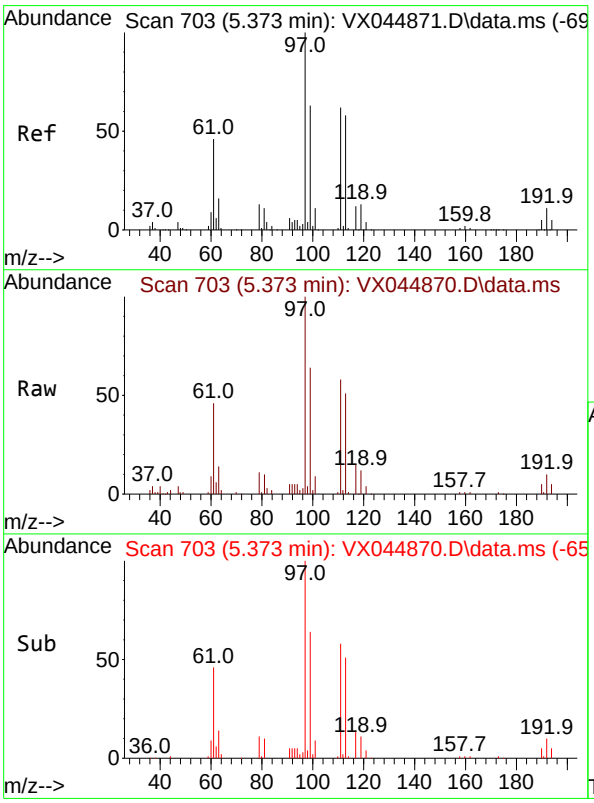
#31
Cyclohexane
Concen: 20.653 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 60814

Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.4	36.6
84	83.1	69.0	103.6

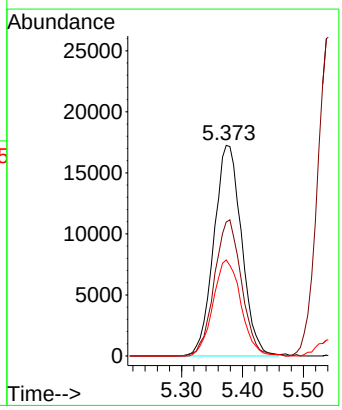


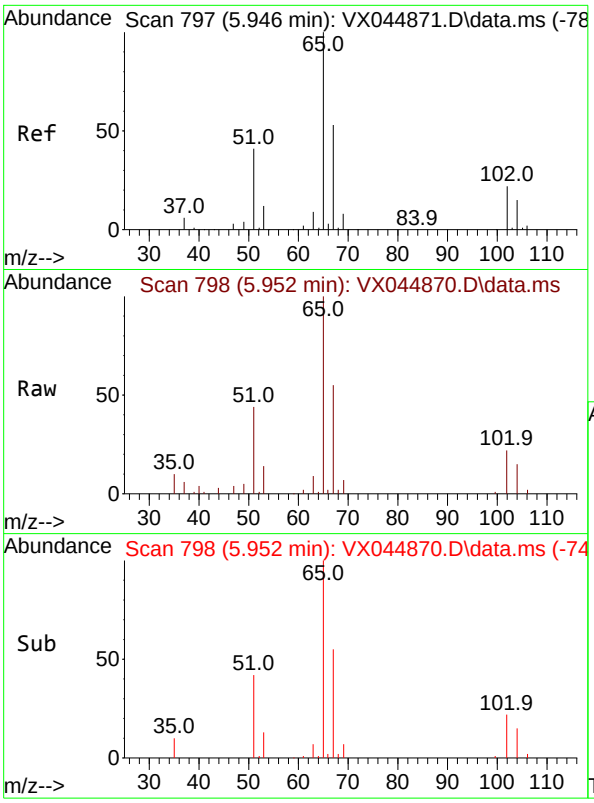


#32
1,1,1-Trichloroethane
Concen: 20.724 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 97 Resp: 54450

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	45.9	36.6	55.0



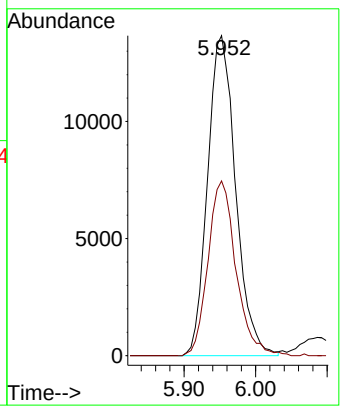


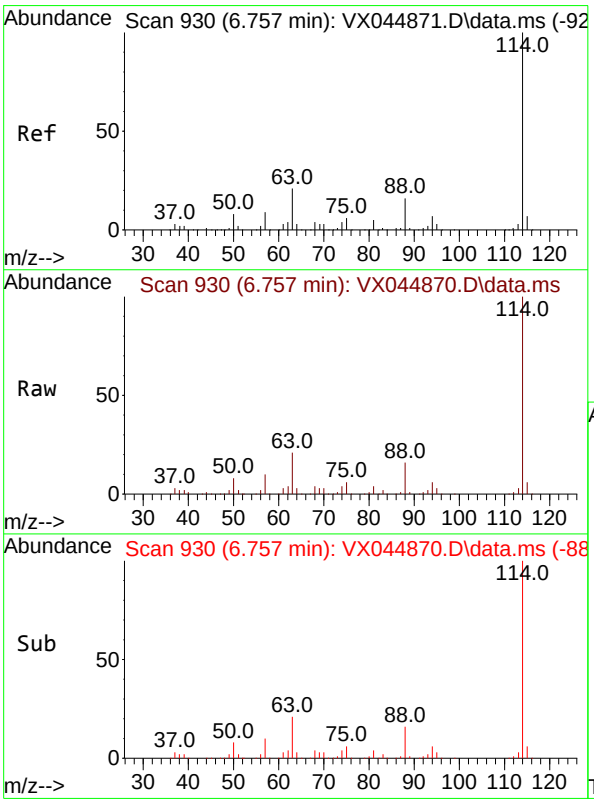
#33
1,2-Dichloroethane-d4
Concen: 19.616 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 37195

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	108.2

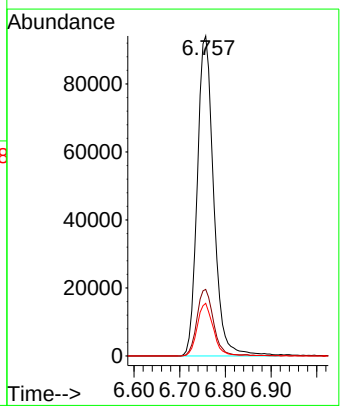


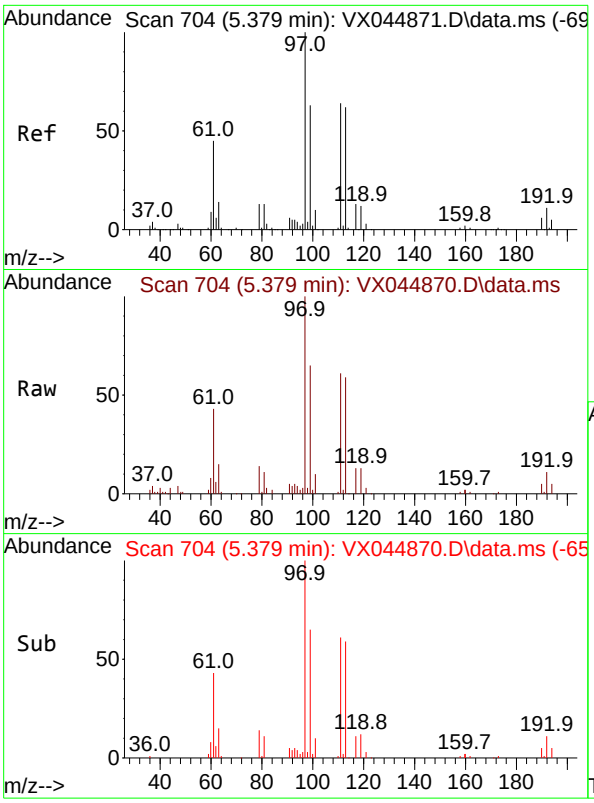


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:114 Resp: 234445

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.4
88	16.4	0.0	31.4



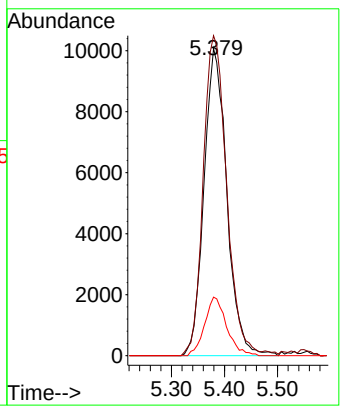


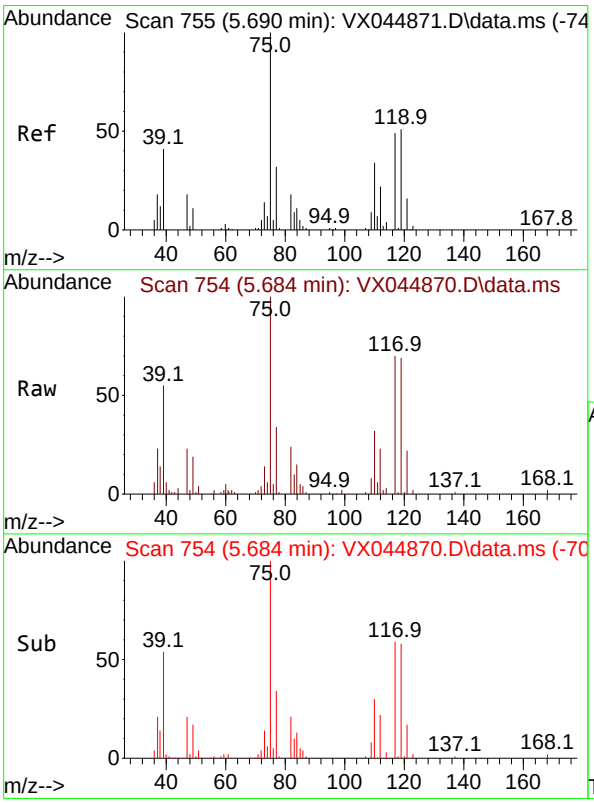
#35
Dibromofluoromethane
Concen: 19.793 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 30170

Ion	Ratio	Lower	Upper
113	100		
111	106.3	83.5	125.3
192	18.3	14.4	21.6

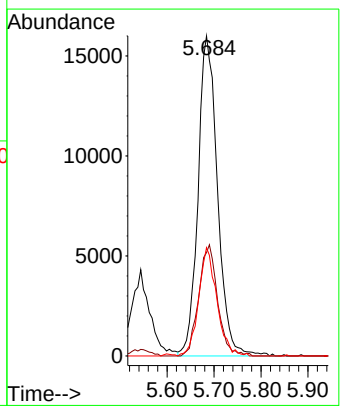


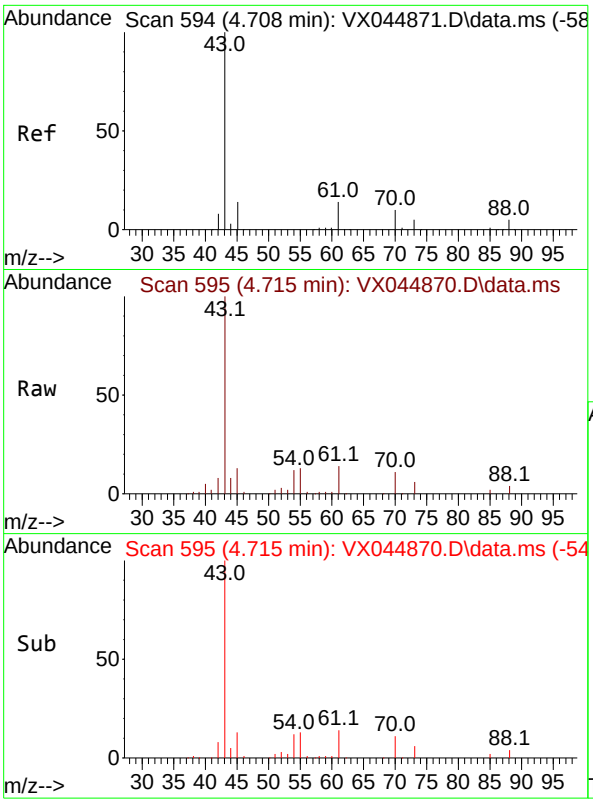


#36
1,1-Dichloropropene
Concen: 20.913 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 45991

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.2	51.6
77	31.7	24.6	37.0



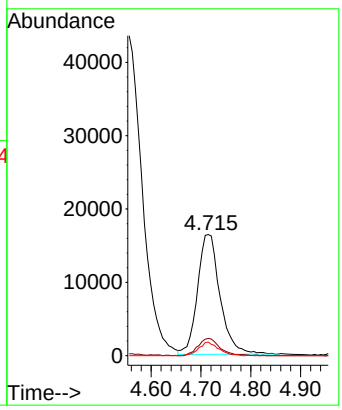


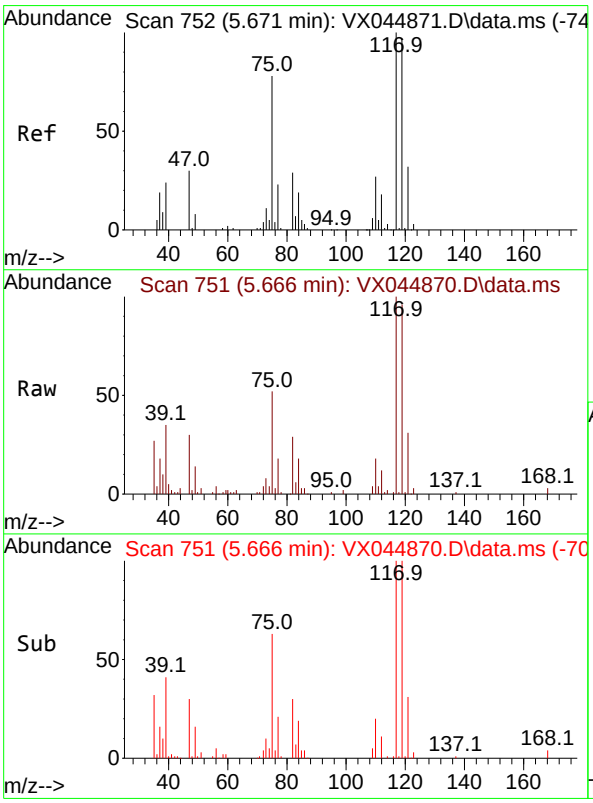
#37
Ethyl Acetate
Concen: 20.949 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 51242

Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	9.9	8.2	12.2

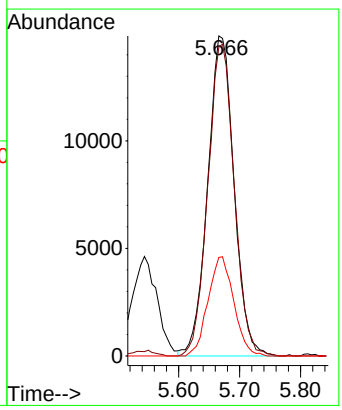


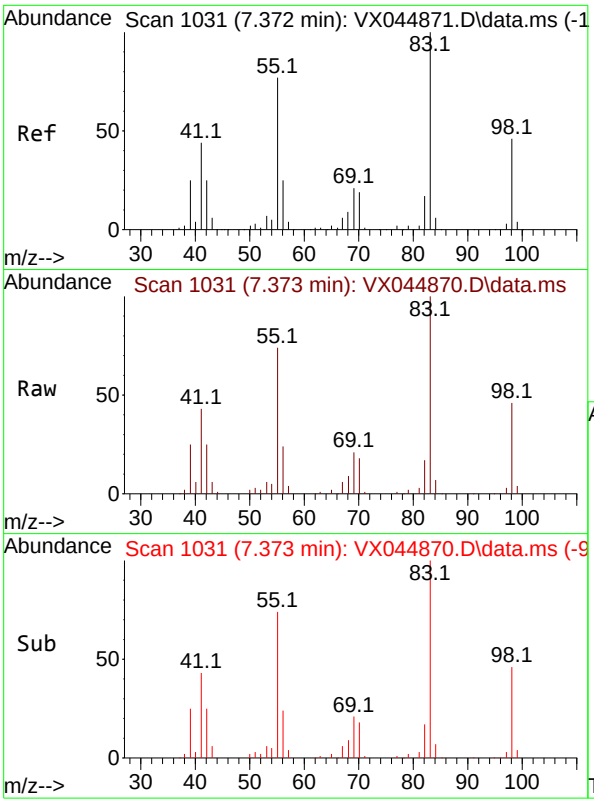


#38
Carbon Tetrachloride
Concen: 20.790 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:117 Resp: 44802

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.5	116.3
121	30.8	25.6	38.4



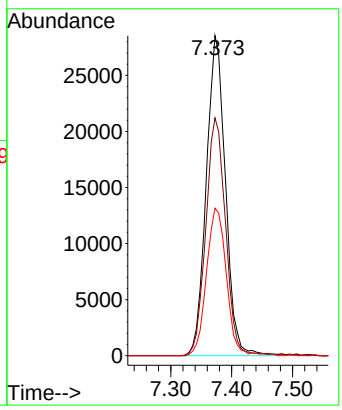


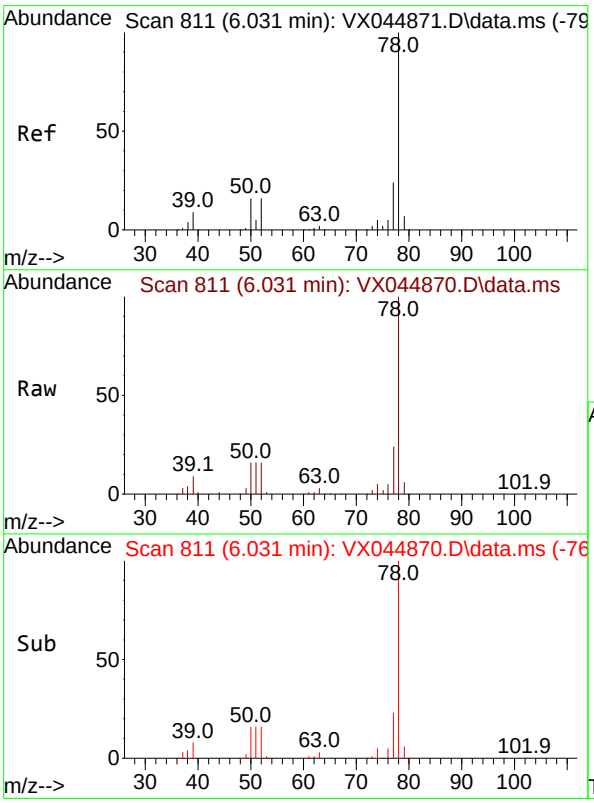
#39
Methylcyclohexane
Concen: 21.985 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 62505

Ion	Ratio	Lower	Upper
83	100		
55	74.3	61.3	91.9
98	46.1	37.0	55.6

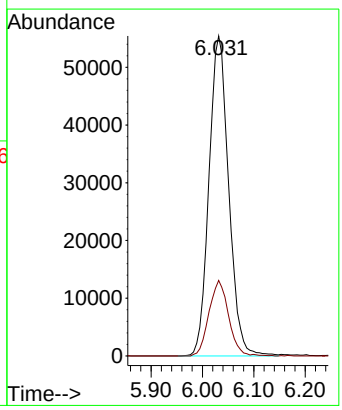


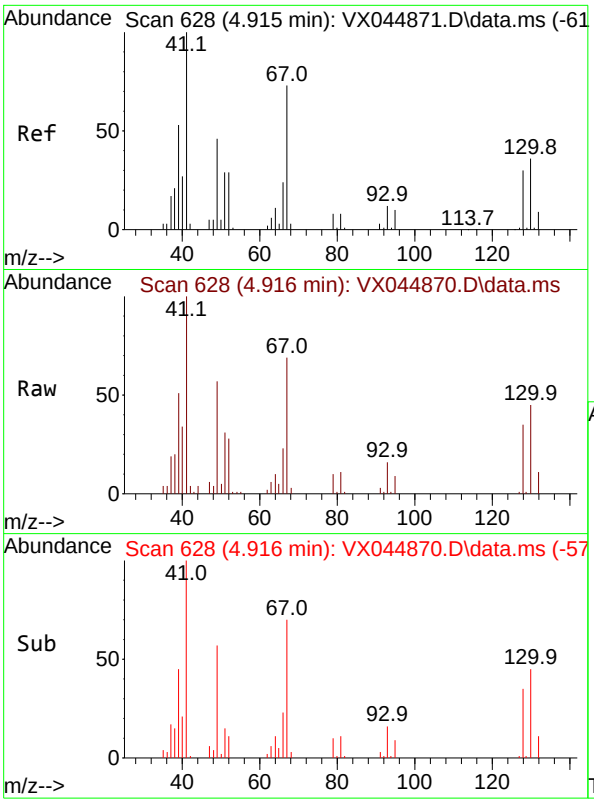


#40
Benzene
Concen: 21.540 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 78 Resp: 147912

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6



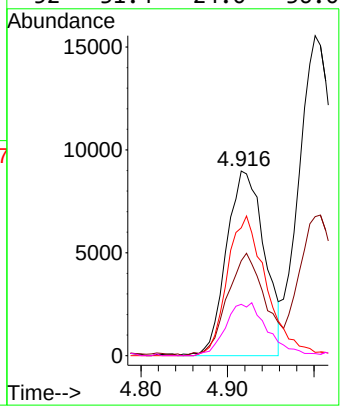


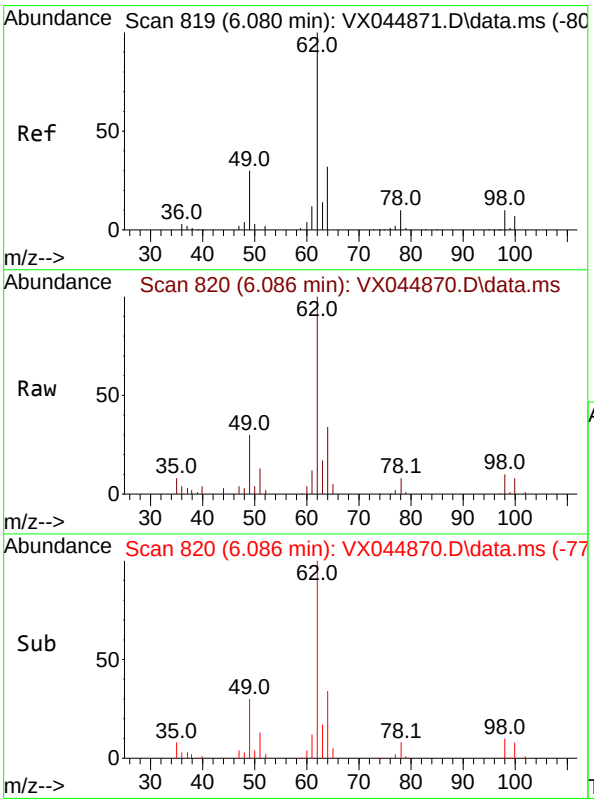
#41
Methacrylonitrile
Concen: 20.887 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 27347

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.1	64.7
67	78.6	57.0	85.6
52	31.4	24.0	36.0

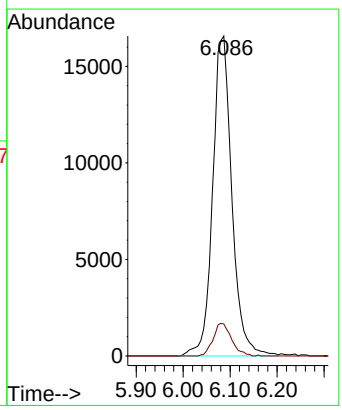


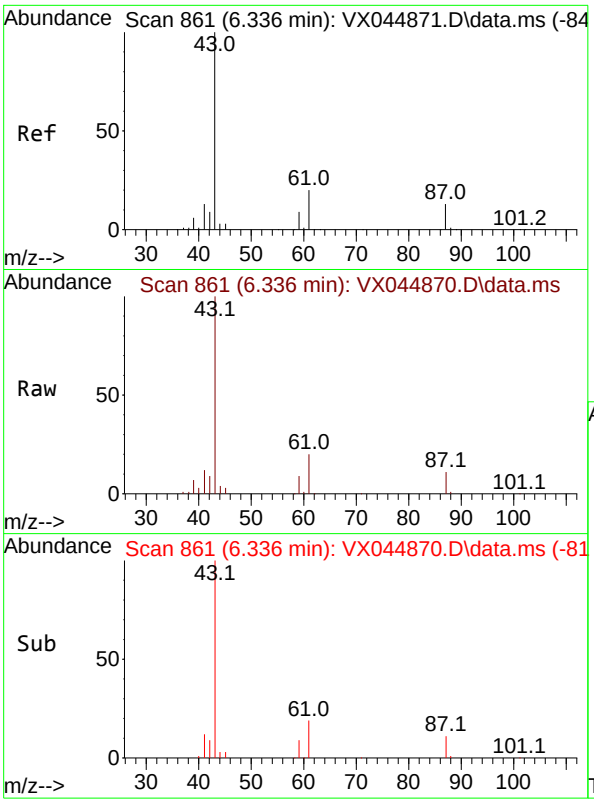


#42
1,2-Dichloroethane
Concen: 21.519 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 47095

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4



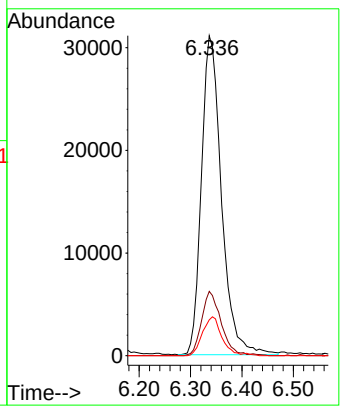


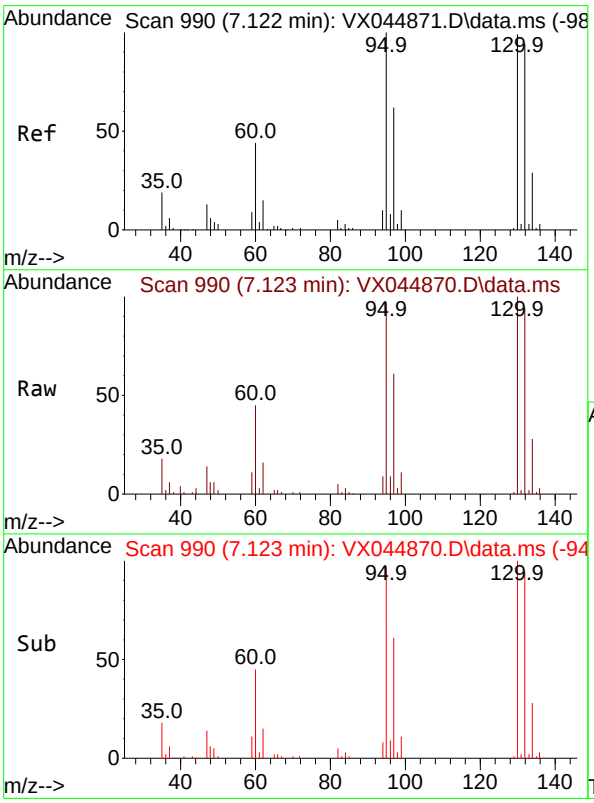
#43
Isopropyl Acetate
Concen: 21.343 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 84306

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.8
87	11.6	10.0	15.0

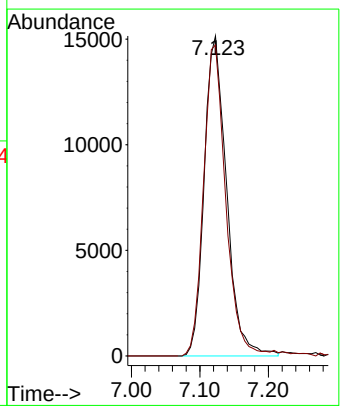


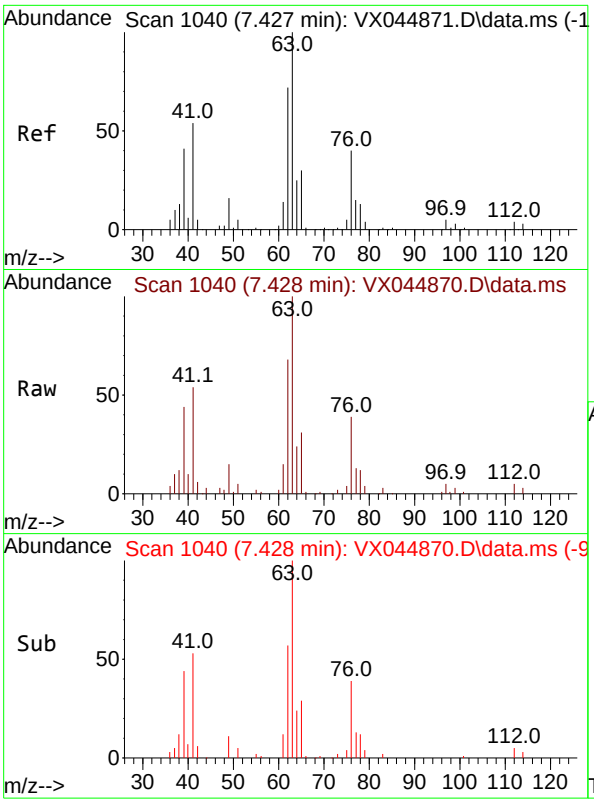


#44
Trichloroethene
Concen: 21.910 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:130 Resp: 34390

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	202.4



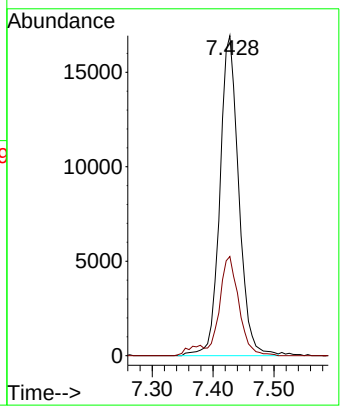


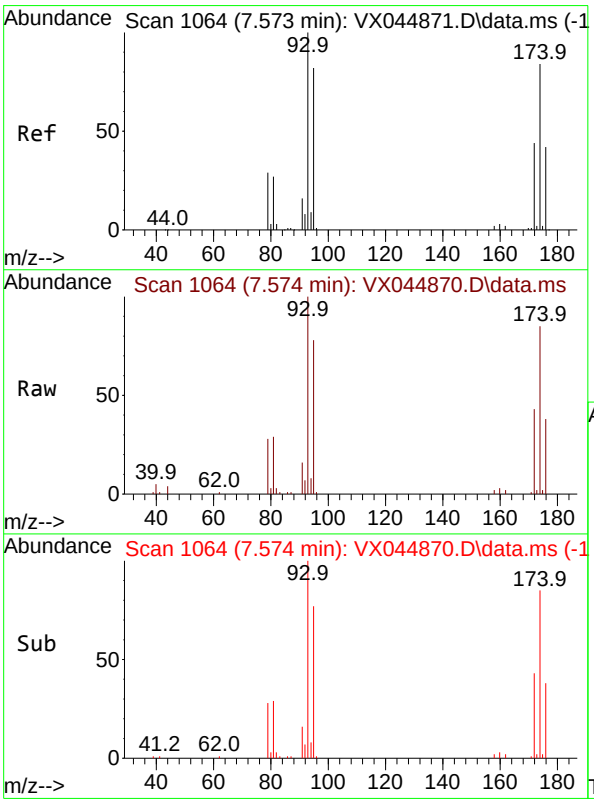
#45
1,2-Dichloropropane
Concen: 21.371 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 36510

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.2	36.4

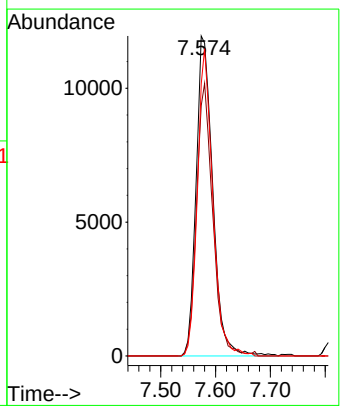


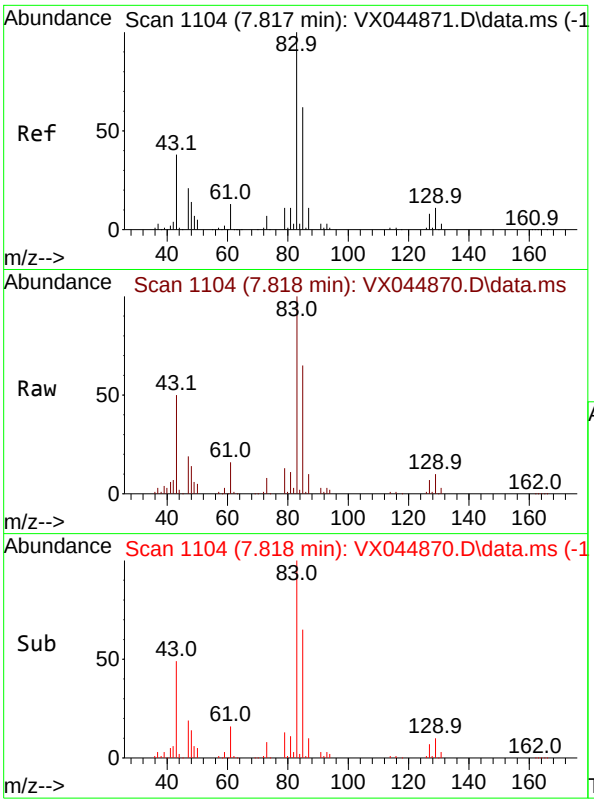


#46
Dibromomethane
Concen: 21.354 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 93 Resp: 25300

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.2	99.4
174	88.6	69.9	104.9



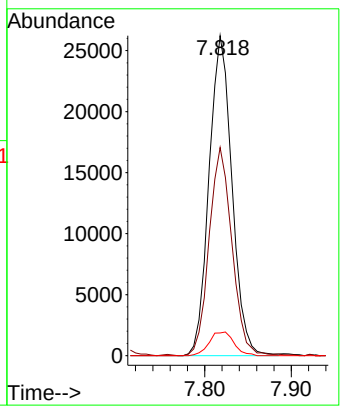


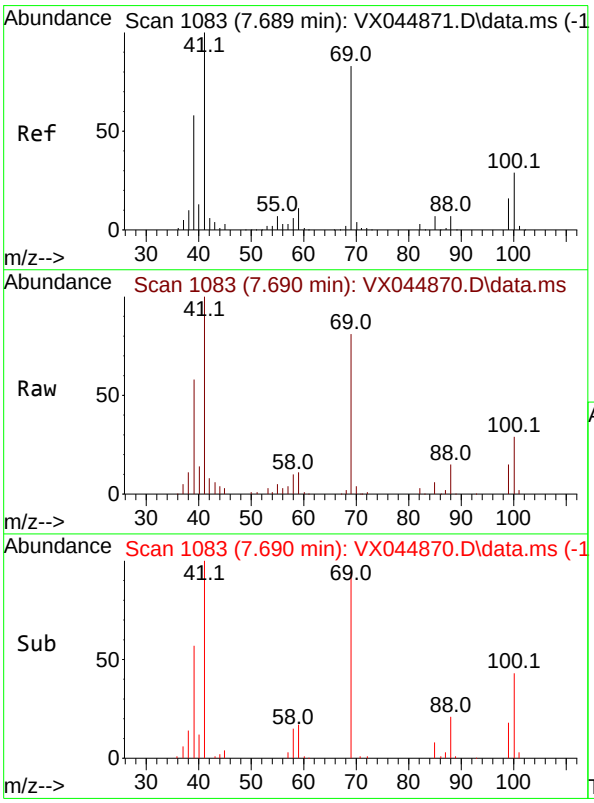
#47
Bromodichloromethane
Concen: 21.012 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 48202

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.0	75.0
127	7.1	6.4	9.6

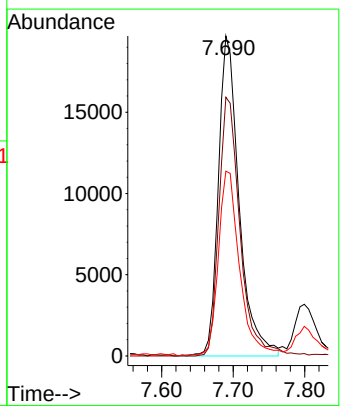


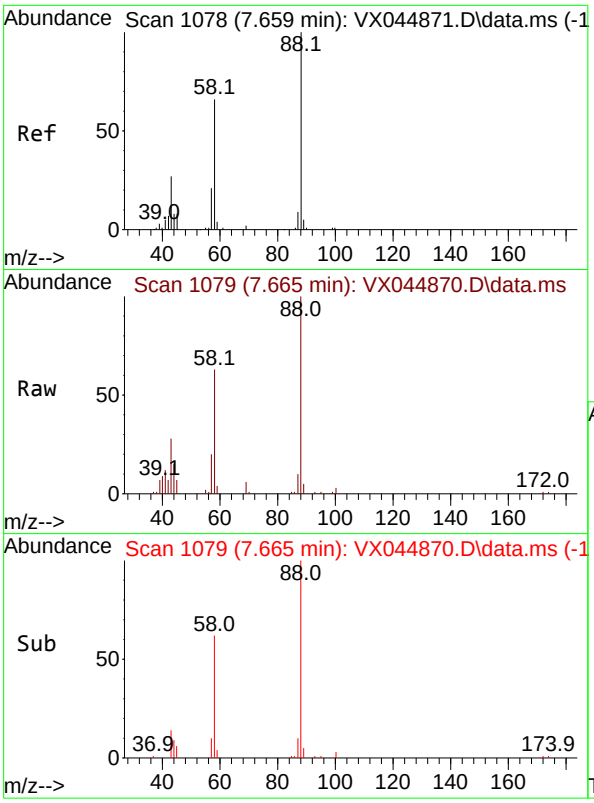


#48
Methyl methacrylate
Concen: 21.341 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 39747

Ion	Ratio	Lower	Upper
41	100		
69	82.5	65.8	98.8
39	58.2	46.4	69.6



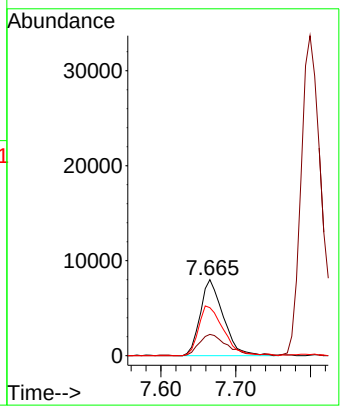


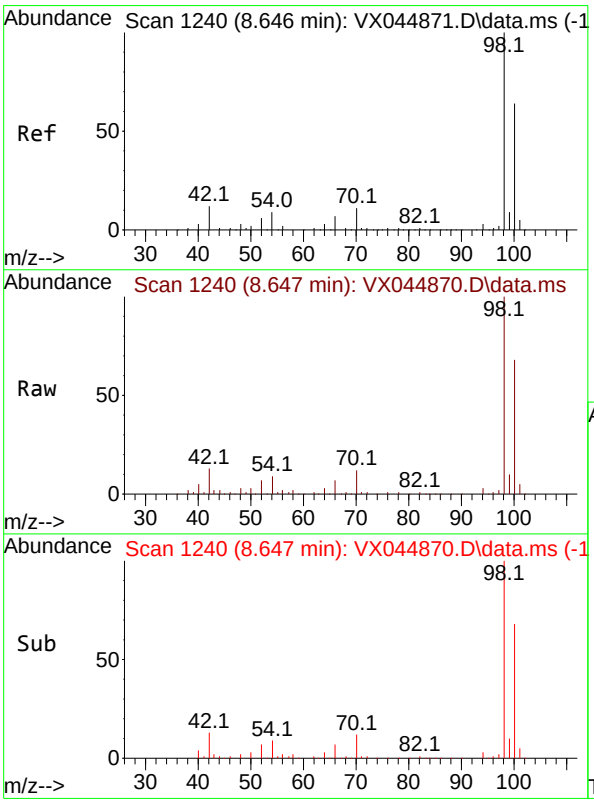
#49
1,4-Dioxane
Concen: 429.262 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 17153

Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.6	39.8
58	69.3	55.9	83.9

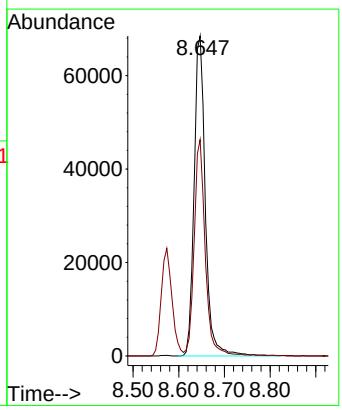


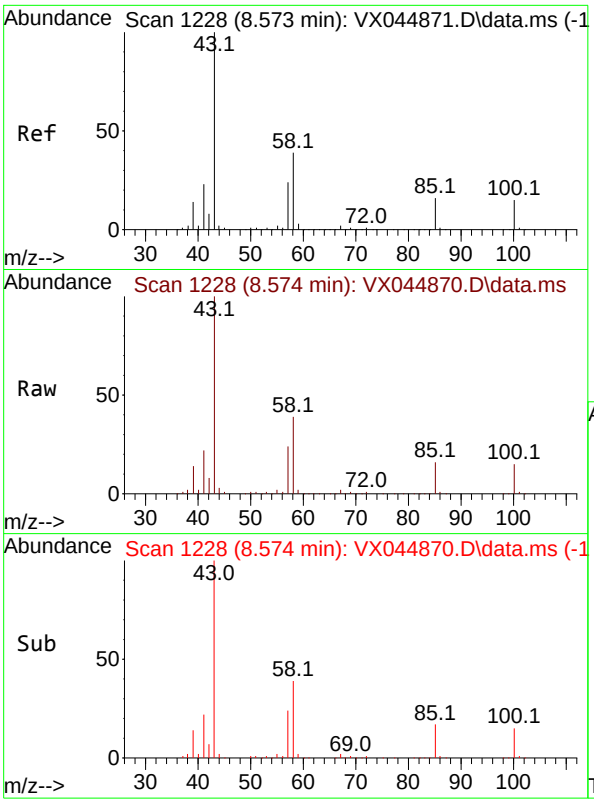


#50
Toluene-d8
Concen: 20.321 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 98 Resp: 117127

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1



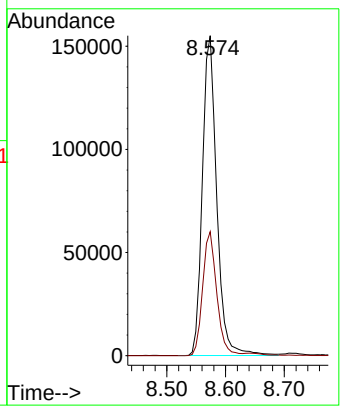


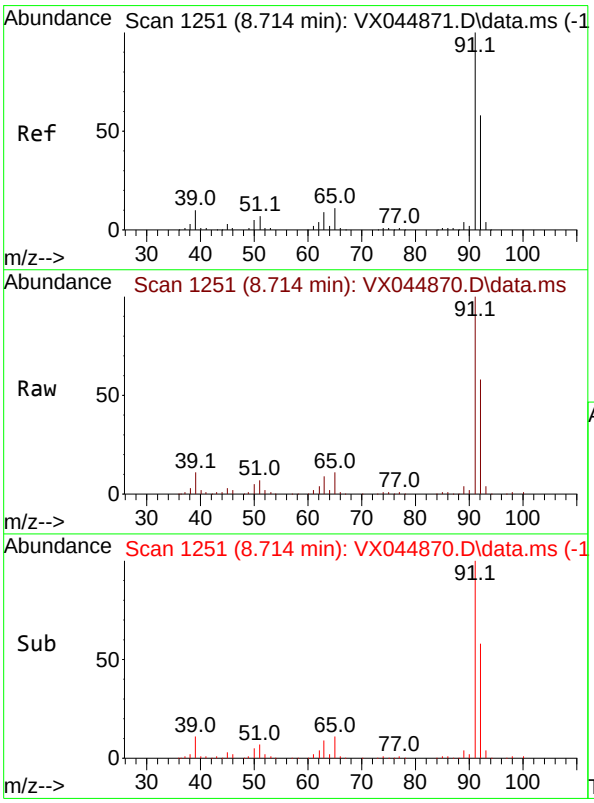
#51
4-Methyl-2-Pentanone
Concen: 109.684 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 263394

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.8	46.2

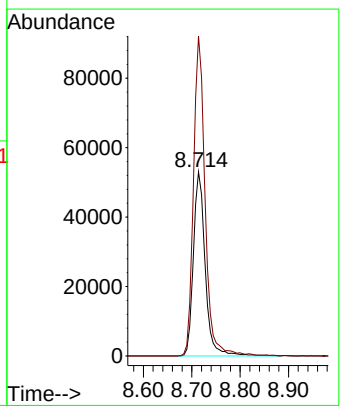


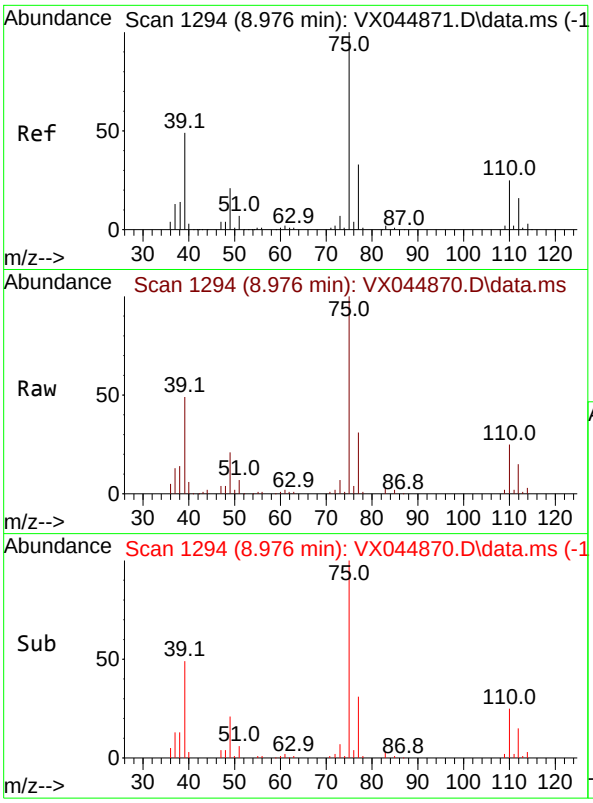


#52
Toluene
Concen: 21.940 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 92 Resp: 89726

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.4	206.2



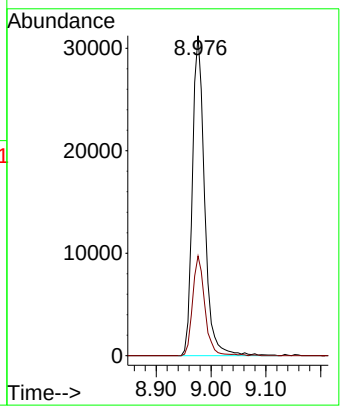


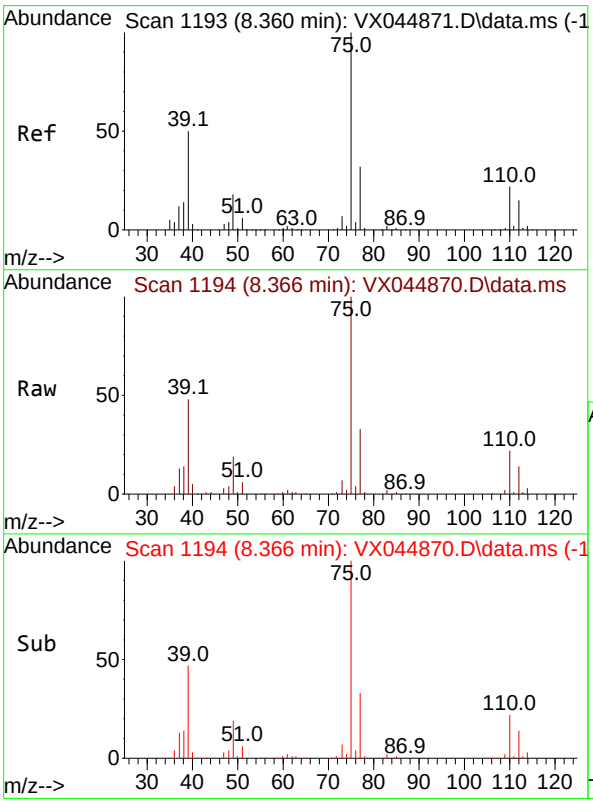
#53
t-1,3-Dichloropropene
Concen: 20.940 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 48613

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0

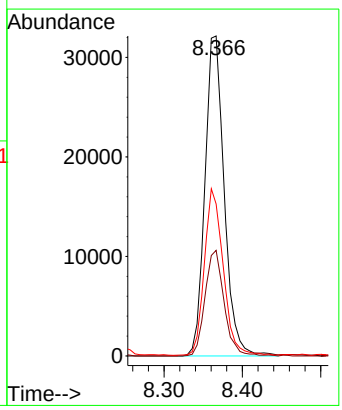


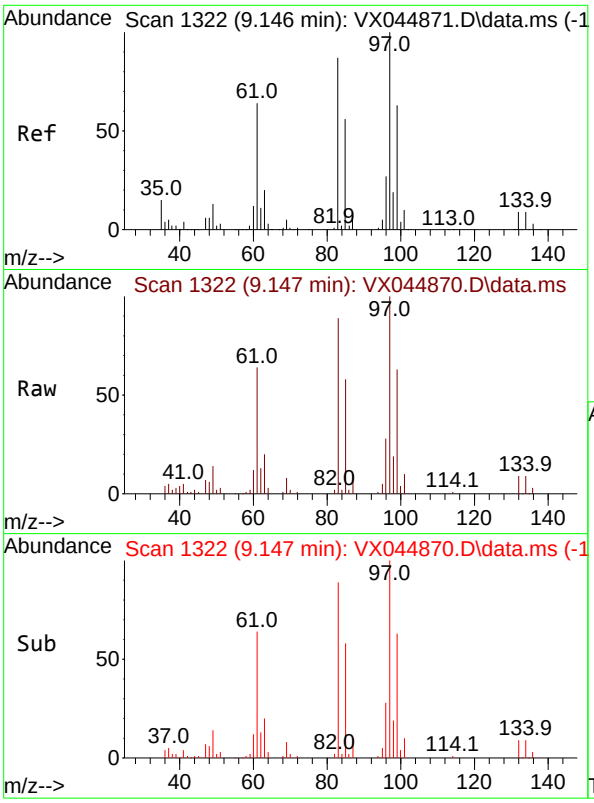


#54
cis-1,3-Dichloropropene
Concen: 21.259 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 55026

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9
39	47.3	40.0	60.0



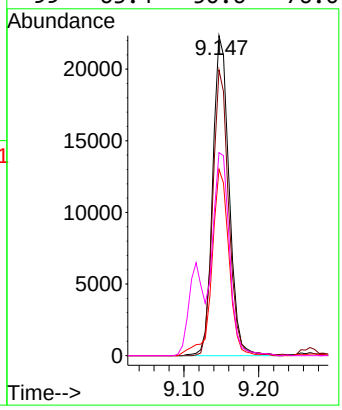


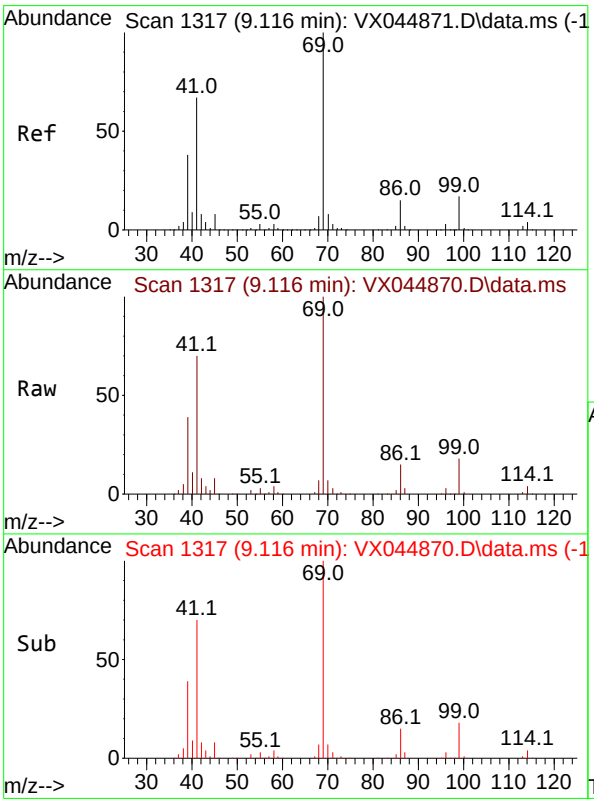
#55
1,1,2-Trichloroethane
Concen: 21.582 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 33930

Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.8	104.6
85	58.3	44.8	67.2
99	63.4	50.6	76.0

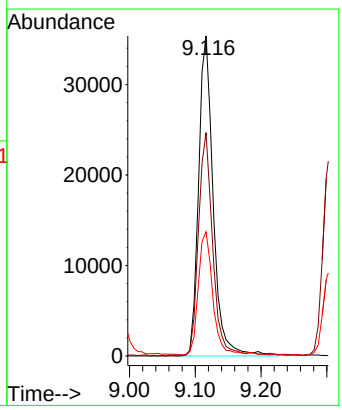


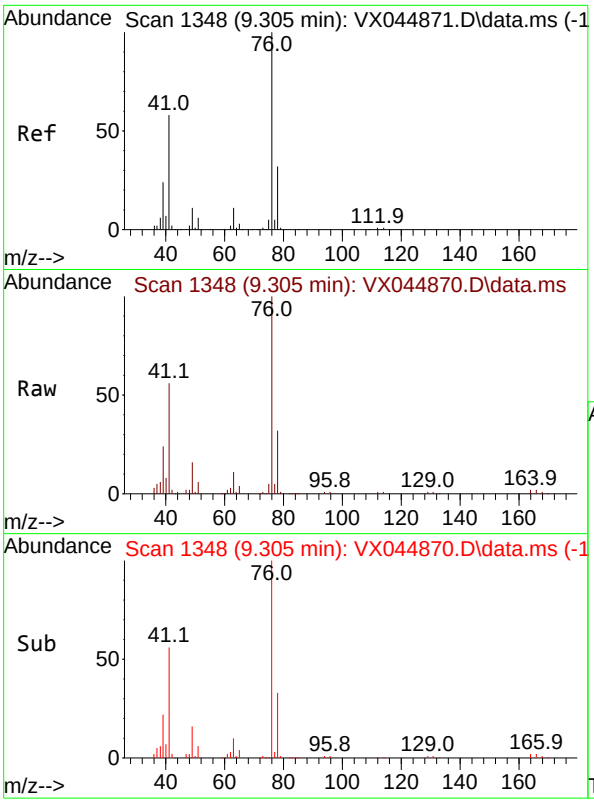


#56
Ethyl methacrylate
Concen: 21.533 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 69 Resp: 54674

Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.2	82.8
39	37.4	30.8	46.2



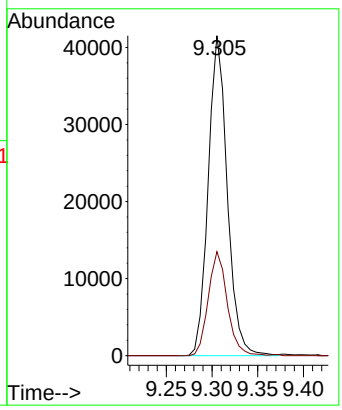


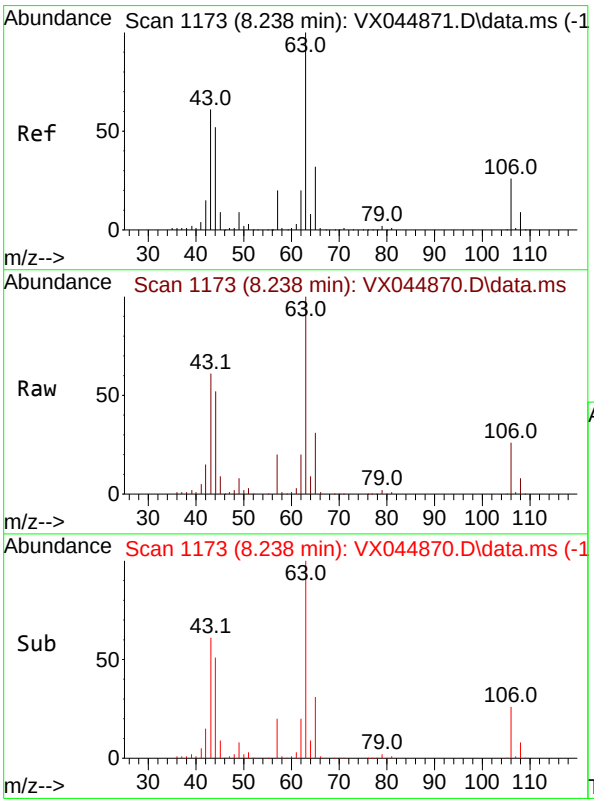
#57
1,3-Dichloropropane
Concen: 21.841 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 60079

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

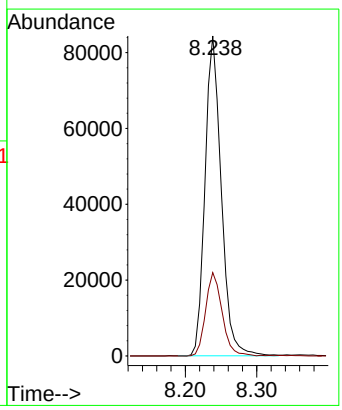


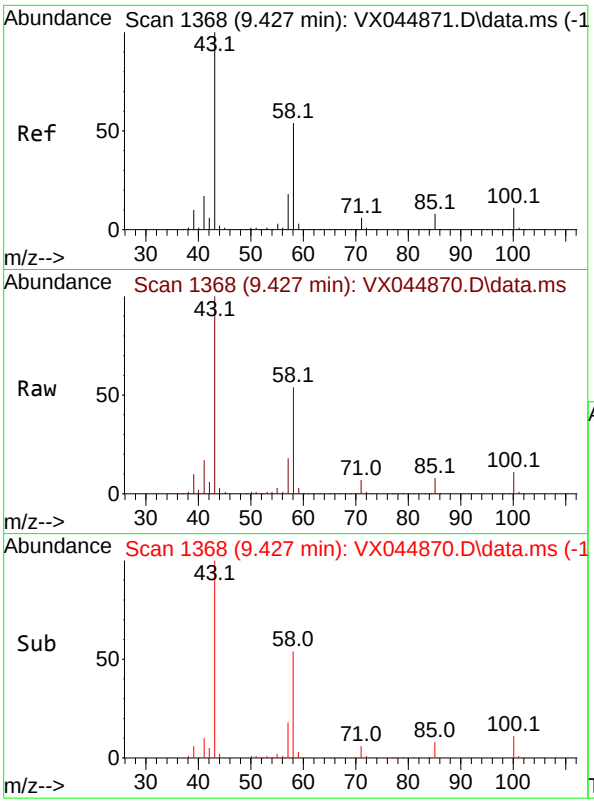


#58
2-Chloroethyl Vinyl ether
Concen: 106.736 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 63 Resp: 133072

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9



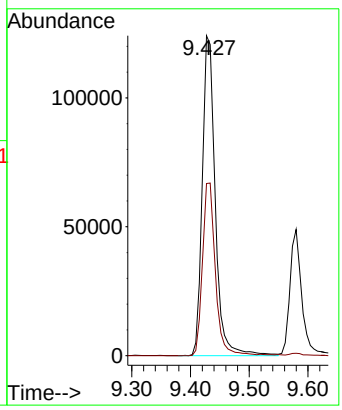


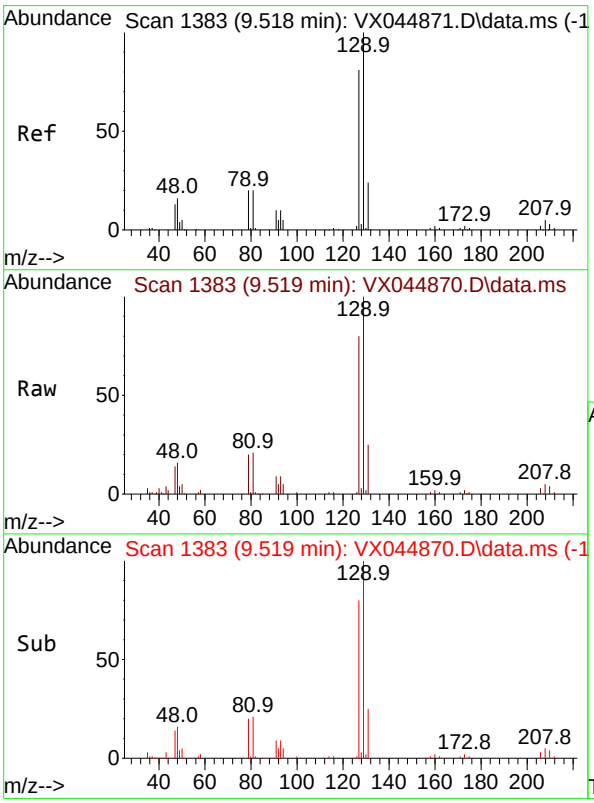
#59
2-Hexanone
Concen: 110.072 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 190449

Ion	Ratio	Lower	Upper
43	100		
58	53.5	27.5	82.4

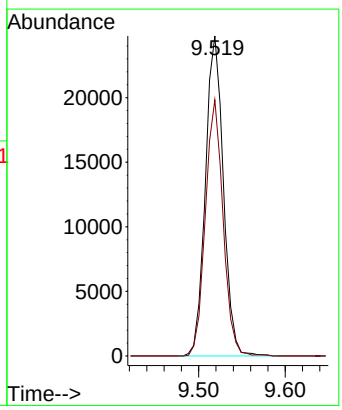


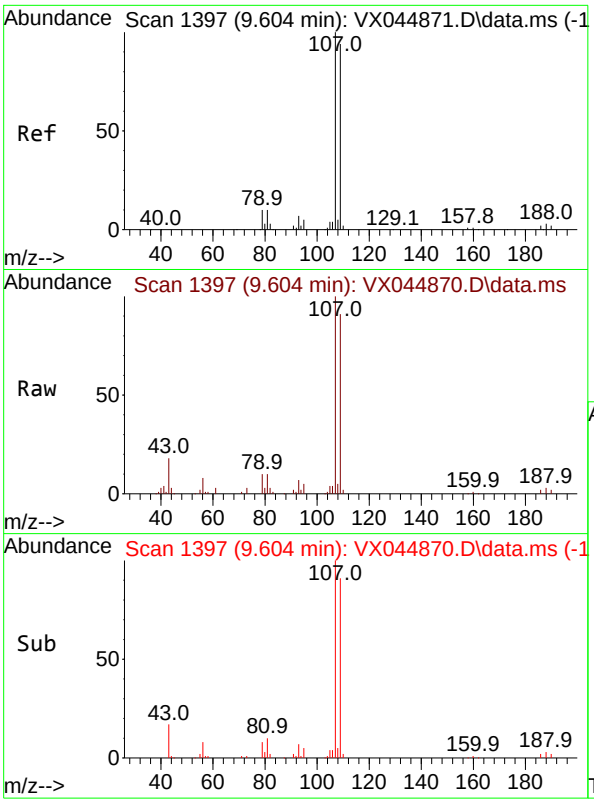


#60
Dibromochloromethane
Concen: 21.237 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:129 Resp: 35706

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.3



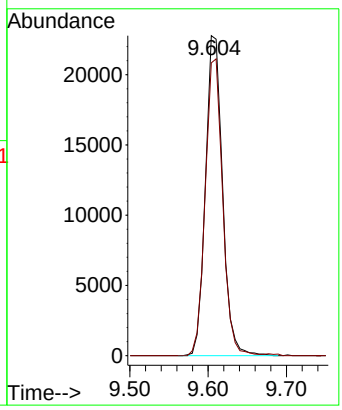


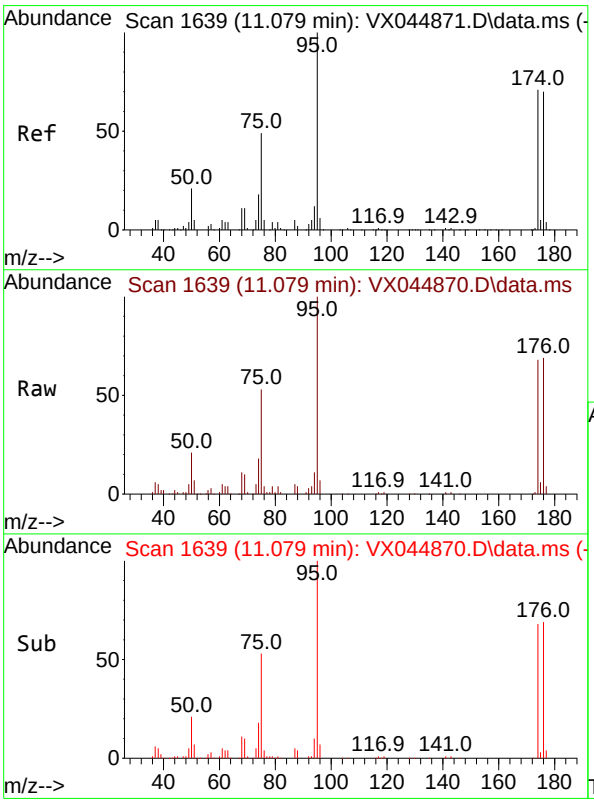
#61
1,2-Dibromoethane
Concen: 21.628 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 34463

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.9	113.9

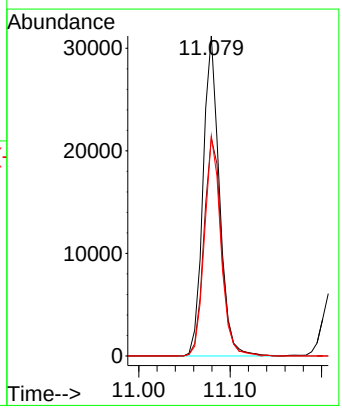


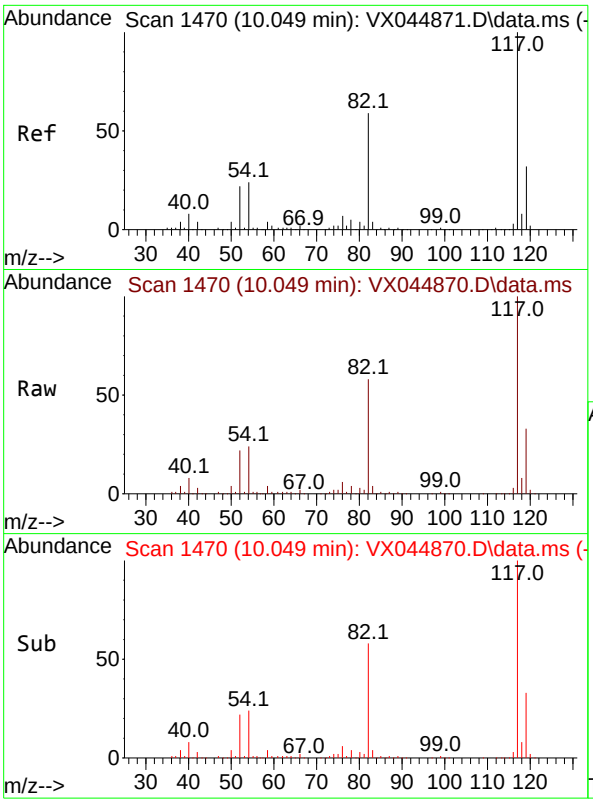


#62
4-Bromofluorobenzene
Concen: 19.800 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 95 Resp: 38475

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	142.6
176	69.0	0.0	141.6



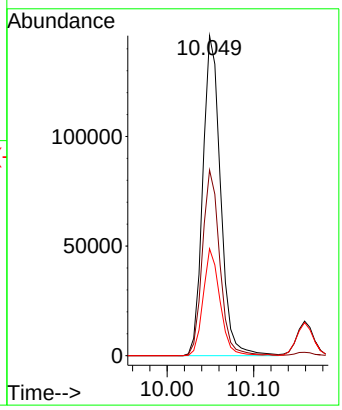


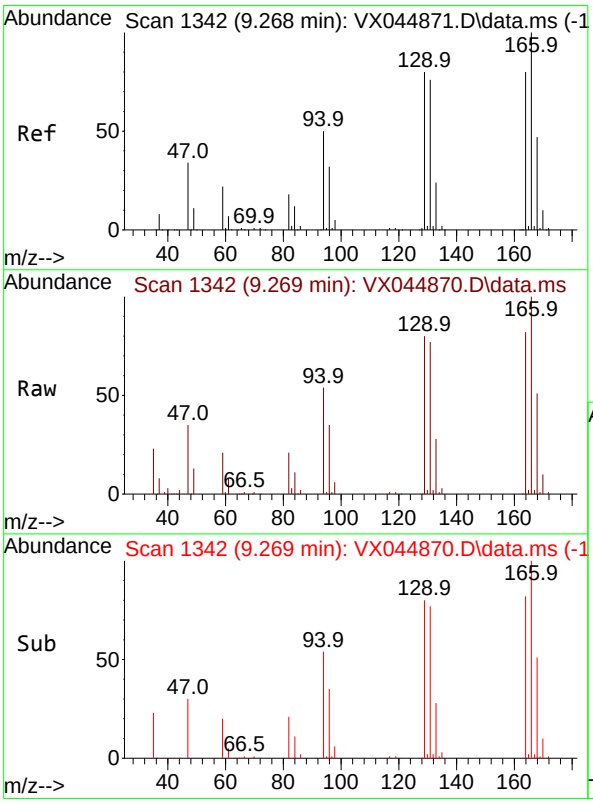
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 207667

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.5	71.3
119	33.4	25.4	38.0

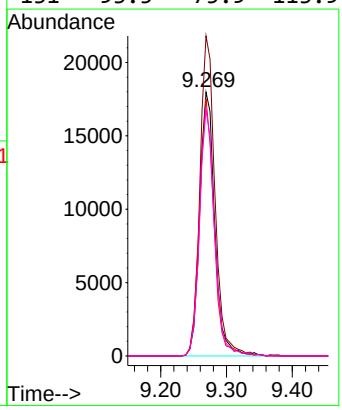


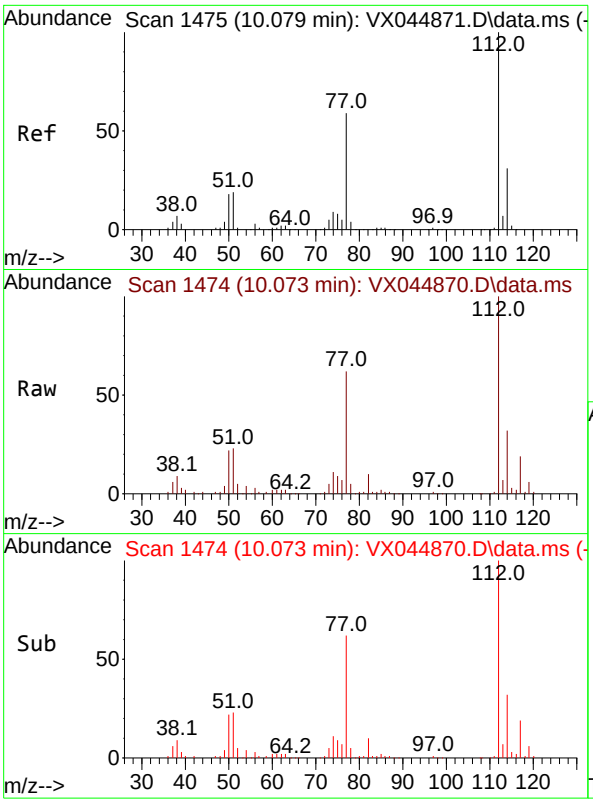


#64
Tetrachloroethene
Concen: 21.776 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:164 Resp: 28519

Ion	Ratio	Lower	Upper
164	100		
166	121.4	100.4	150.6
129	97.6	79.9	119.9
131	93.5	75.9	113.9



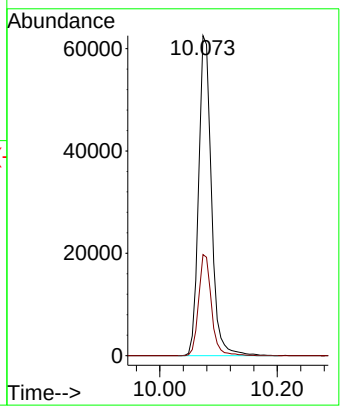


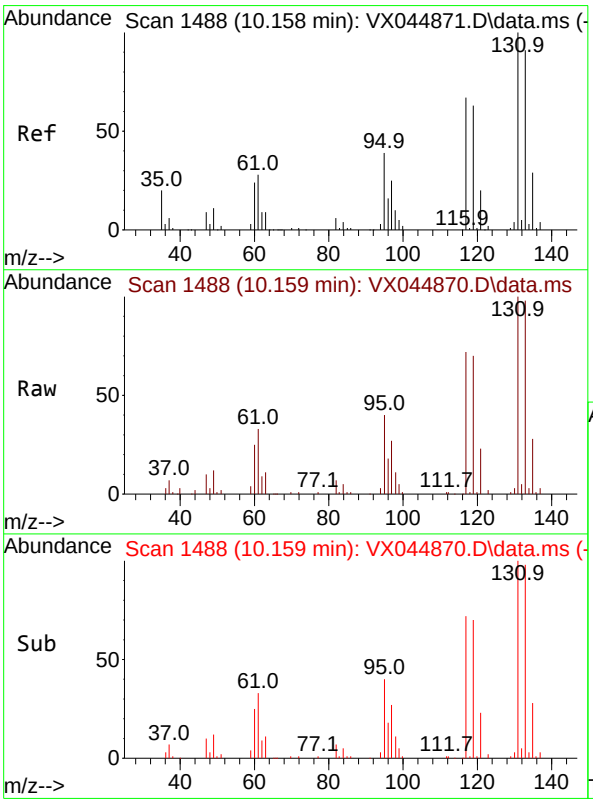
#65
Chlorobenzene
Concen: 21.230 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 94695

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.6

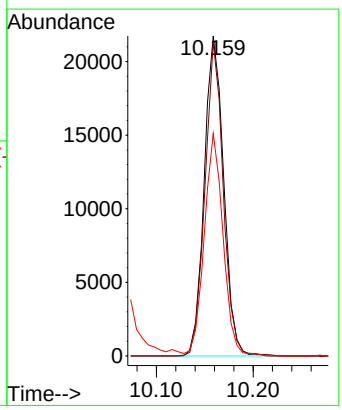


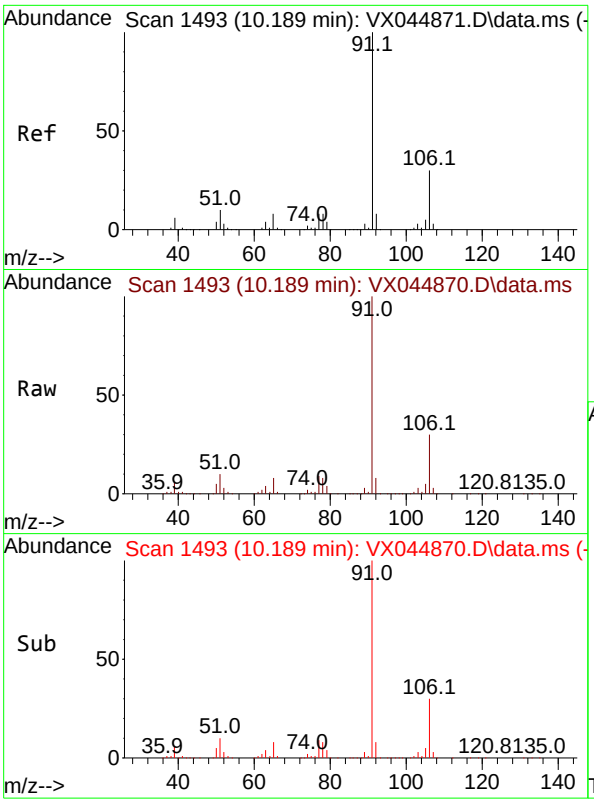


#66
1,1,1,2-Tetrachloroethane
Concen: 21.136 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:131 Resp: 30344

Ion	Ratio	Lower	Upper
131	100		
133	92.9	47.1	141.3
119	67.4	33.6	100.6



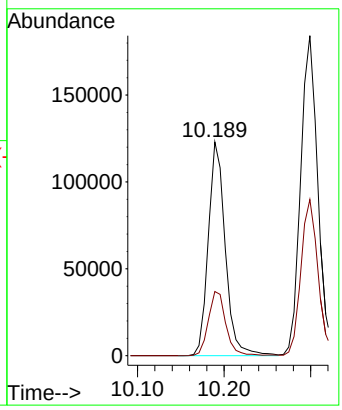


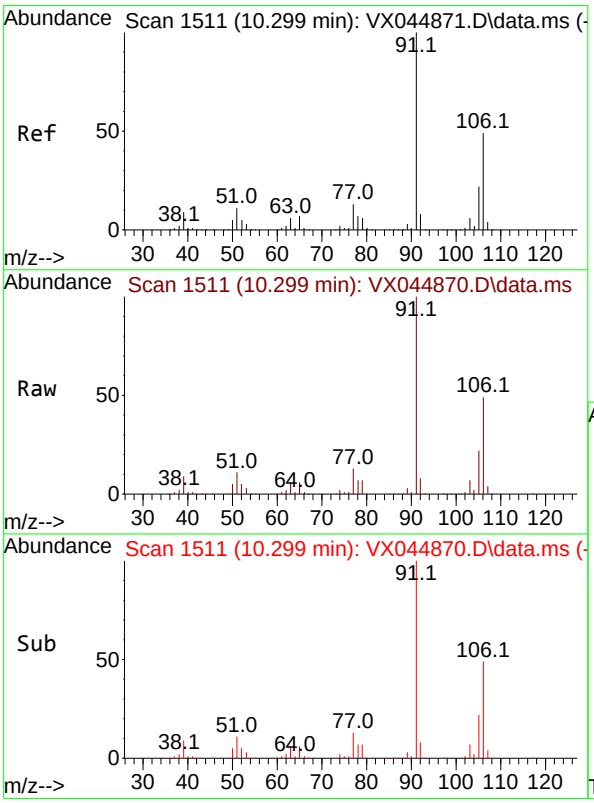
#67
Ethyl Benzene
Concen: 21.327 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 167865

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

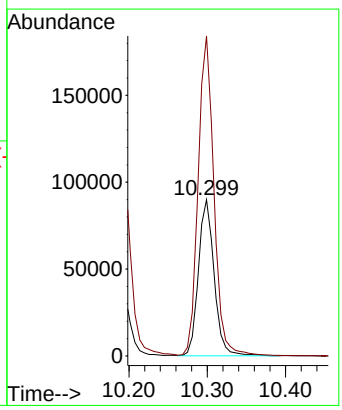


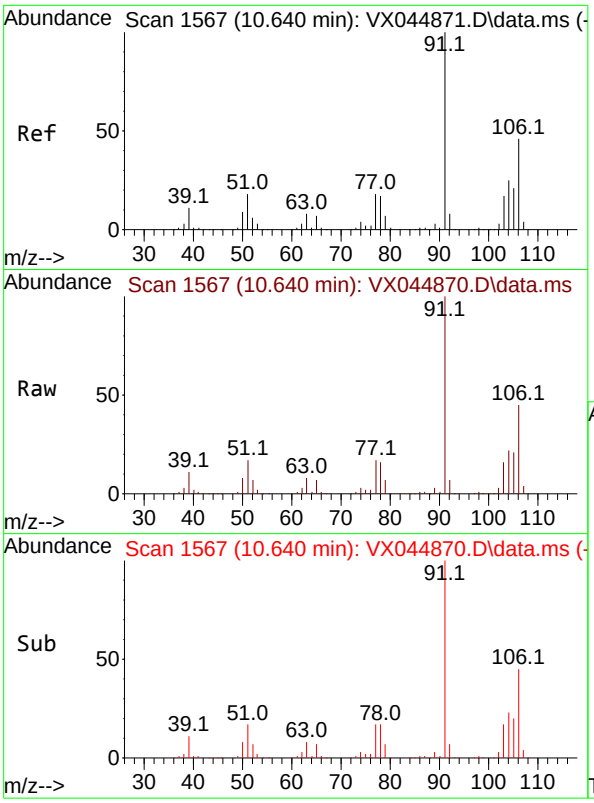


#68
m/p-Xylenes
Concen: 43.144 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:106 Resp: 125271

Ion	Ratio	Lower	Upper
106	100		
91	206.3	164.3	246.5



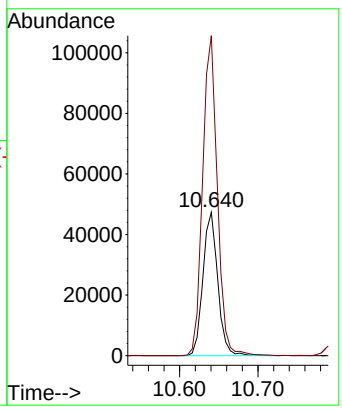


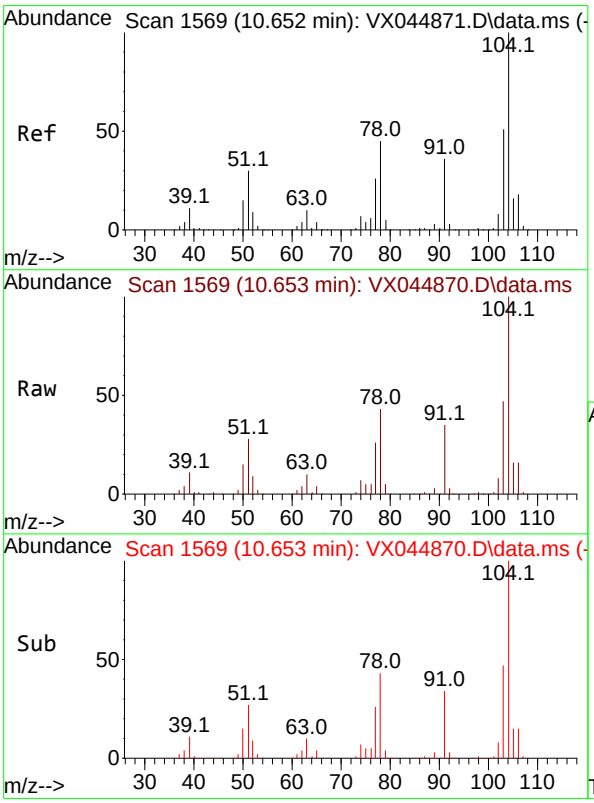
#69
o-Xylene
Concen: 21.310 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 62087

Ion	Ratio	Lower	Upper
106	100		
91	221.5	108.5	325.5

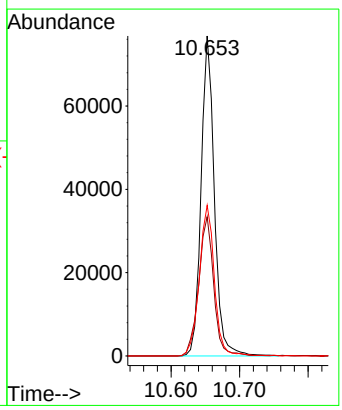


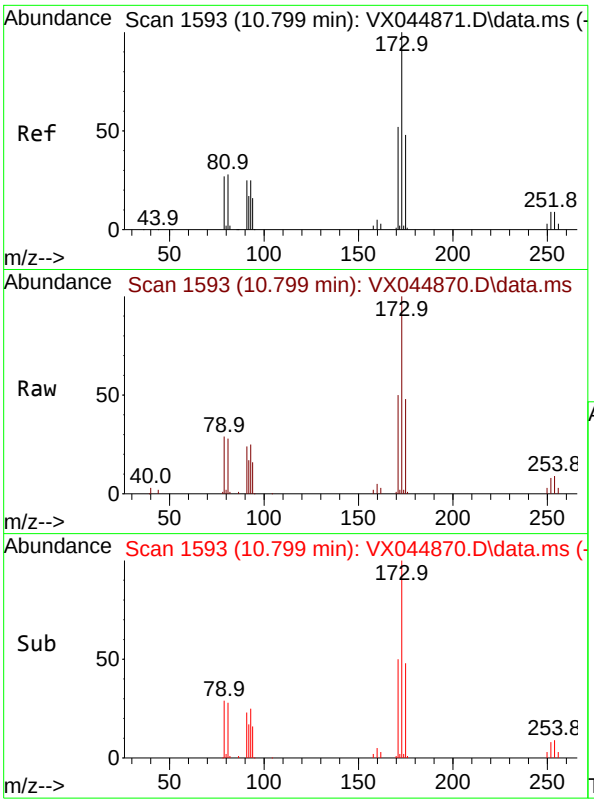


#70
Styrene
Concen: 22.101 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:104 Resp: 103740

Ion	Ratio	Lower	Upper
104	100		
78	49.2	40.5	60.7
103	53.5	43.6	65.4



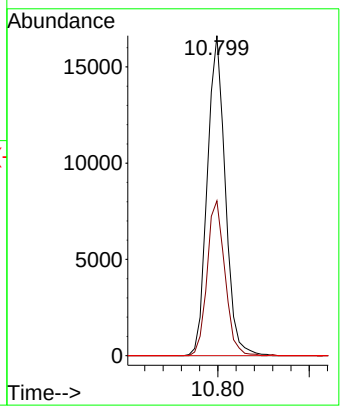


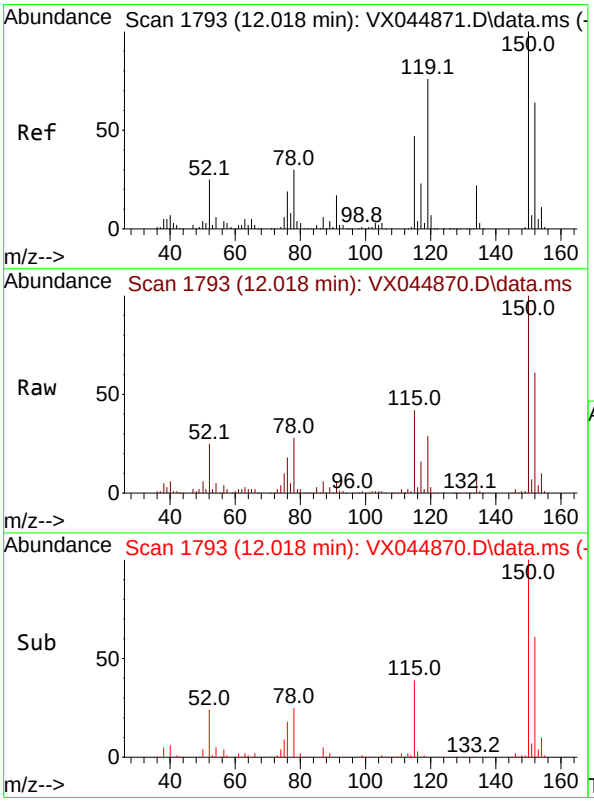
#71
Bromoform
Concen: 21.086 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 22592

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.8
254	0.0	0.0	0.0

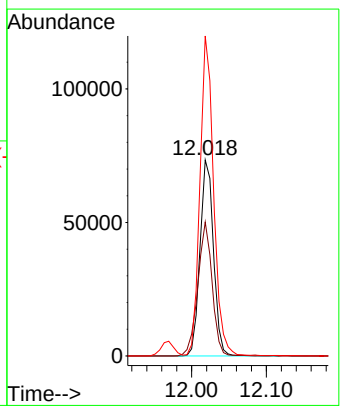


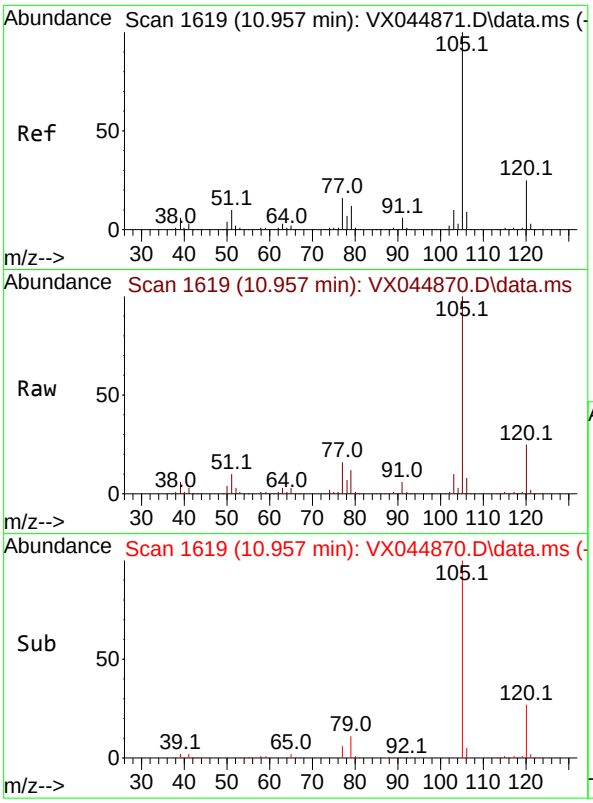


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:152 Resp: 92093

Ion	Ratio	Lower	Upper
152	100		
115	72.4	43.4	130.1
150	164.8	0.0	350.4



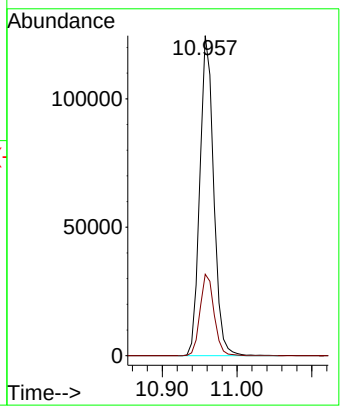


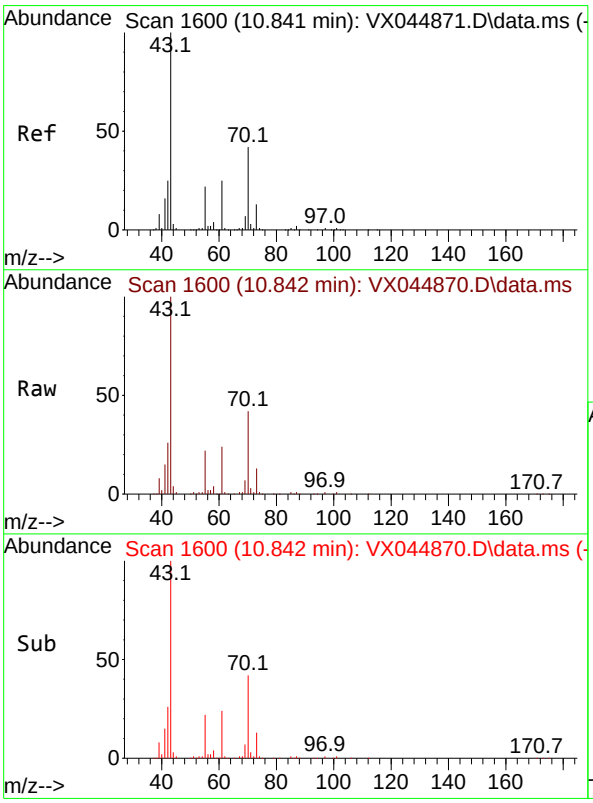
#73
Isopropylbenzene
Concen: 21.597 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 160147

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.2	39.5

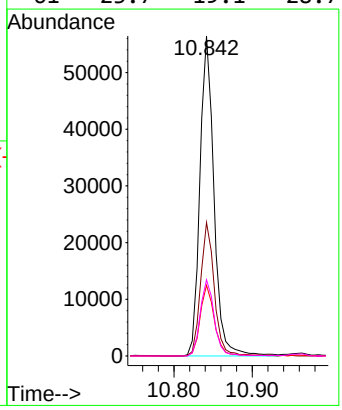


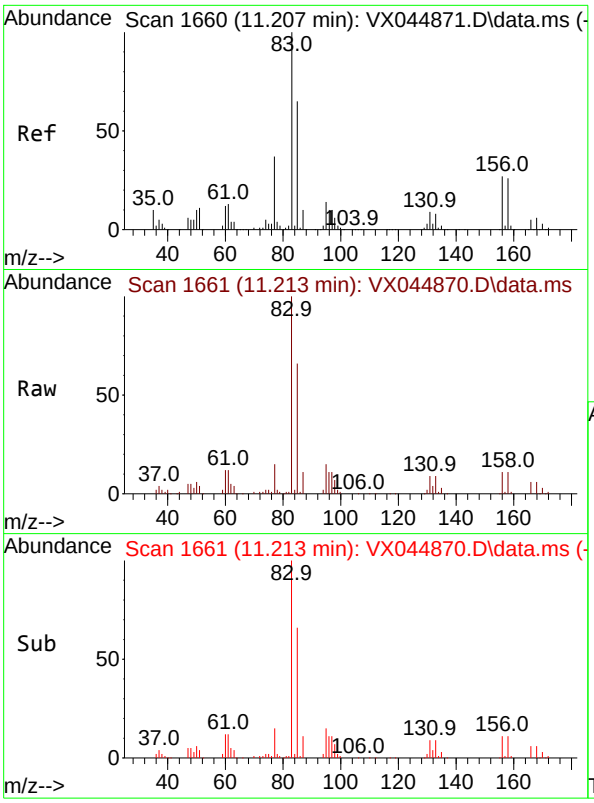


#74
N-amyl acetate
Concen: 21.023 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 70542

Ion	Ratio	Lower	Upper
43	100		
70	40.7	33.7	50.5
55	22.4	18.6	27.8
61	23.7	19.1	28.7



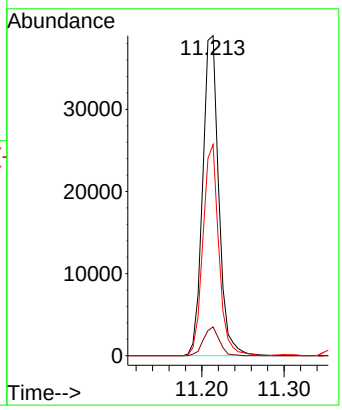


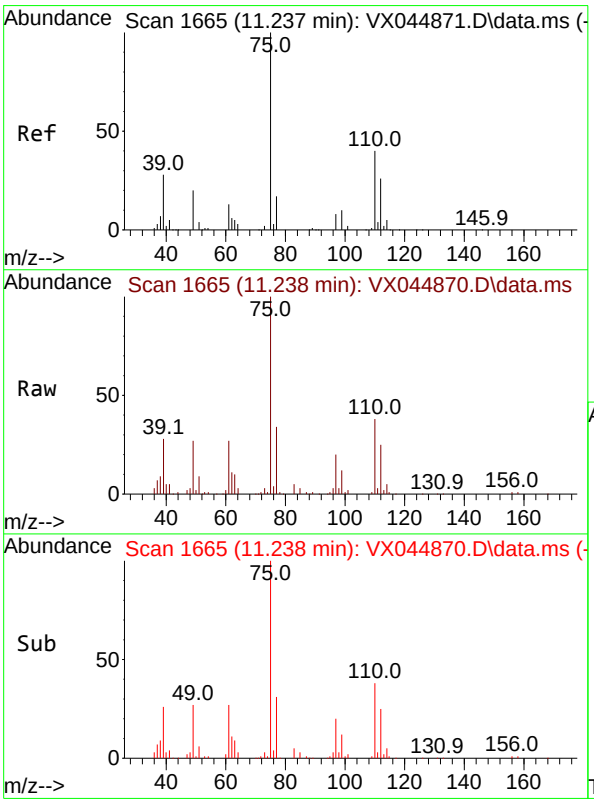
#75
1,1,2,2-Tetrachloroethane
Concen: 20.787 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 52967

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.5	13.5
85	65.1	32.3	96.8

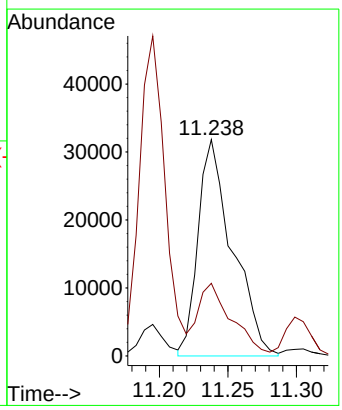


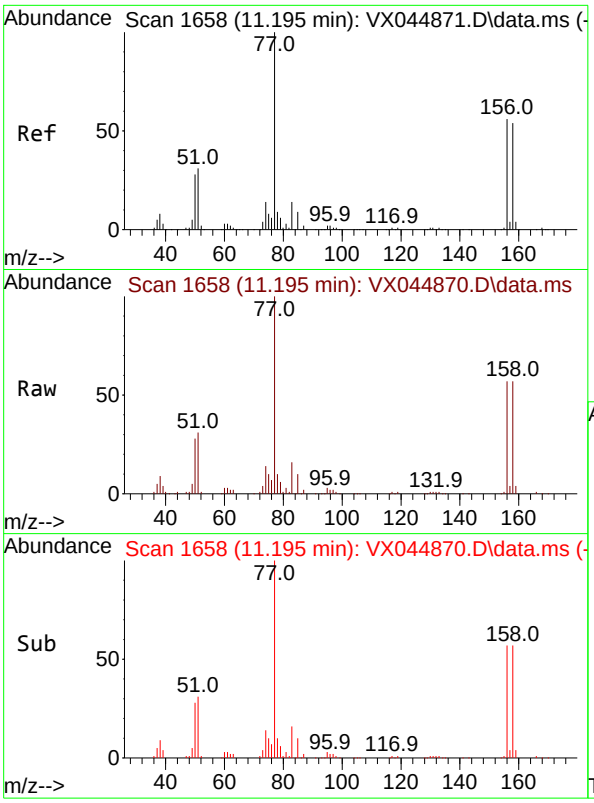


#76
1,2,3-Trichloropropane
Concen: 27.246 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 55632

Ion	Ratio	Lower	Upper
75	100		
77	33.0	21.9	65.7



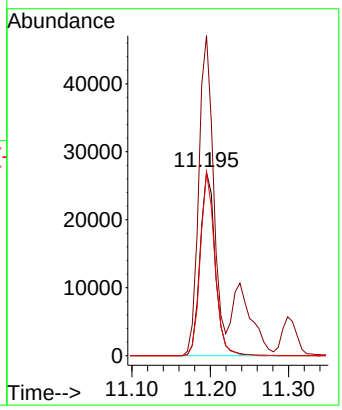


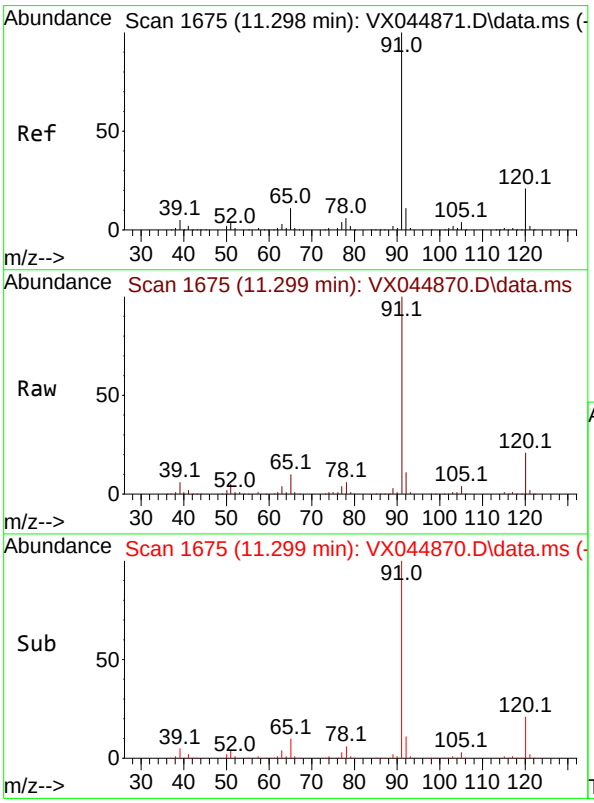
#77
Bromobenzene
Concen: 21.426 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 36021

Ion	Ratio	Lower	Upper
156	100		
77	171.1	88.4	265.3
158	96.8	48.4	145.2

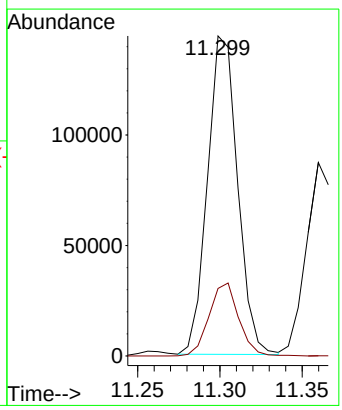


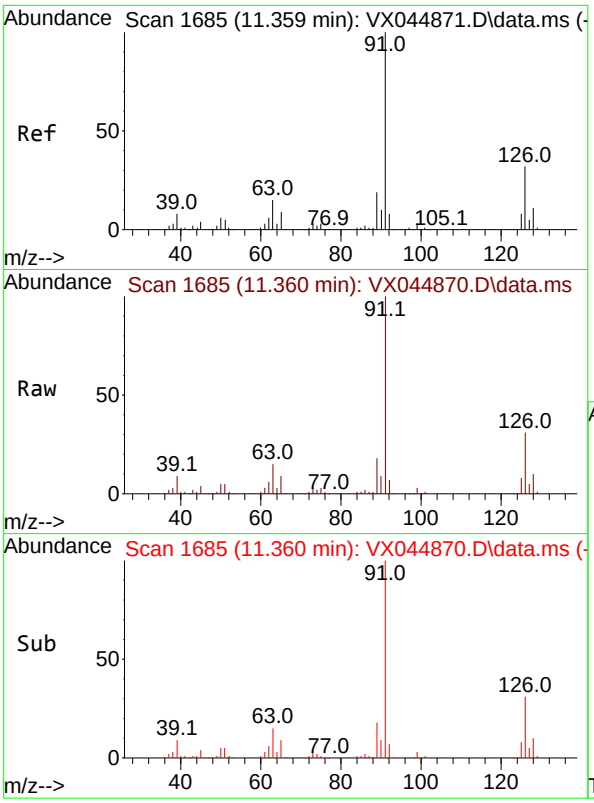


#78
n-propylbenzene
Concen: 21.406 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 183212

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.3



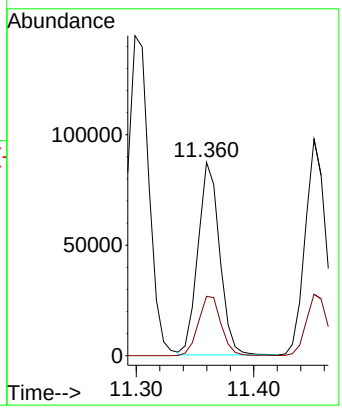


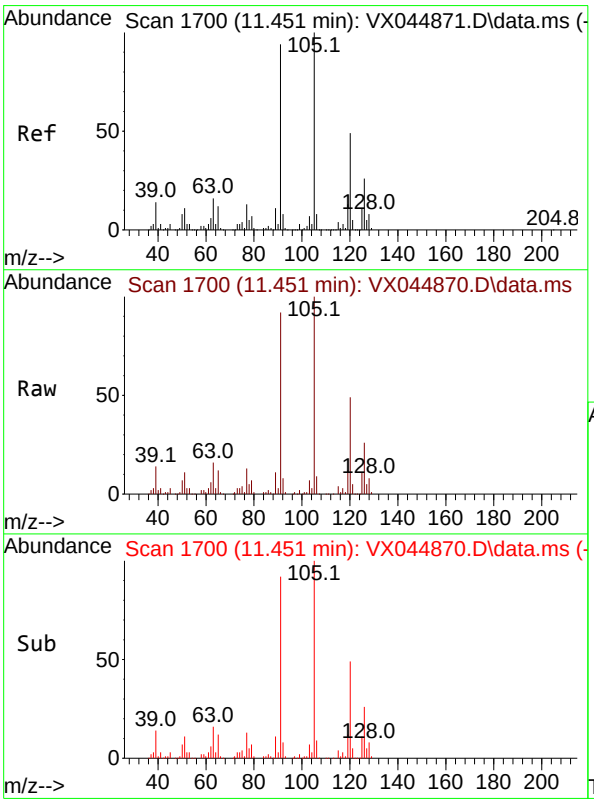
#79
2-Chlorotoluene
Concen: 21.250 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 111782

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.6

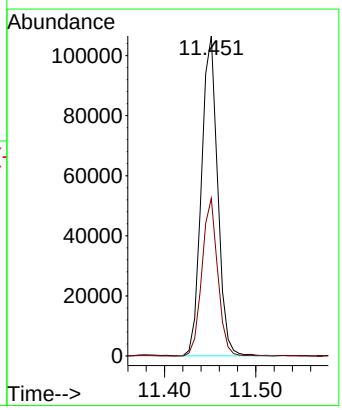


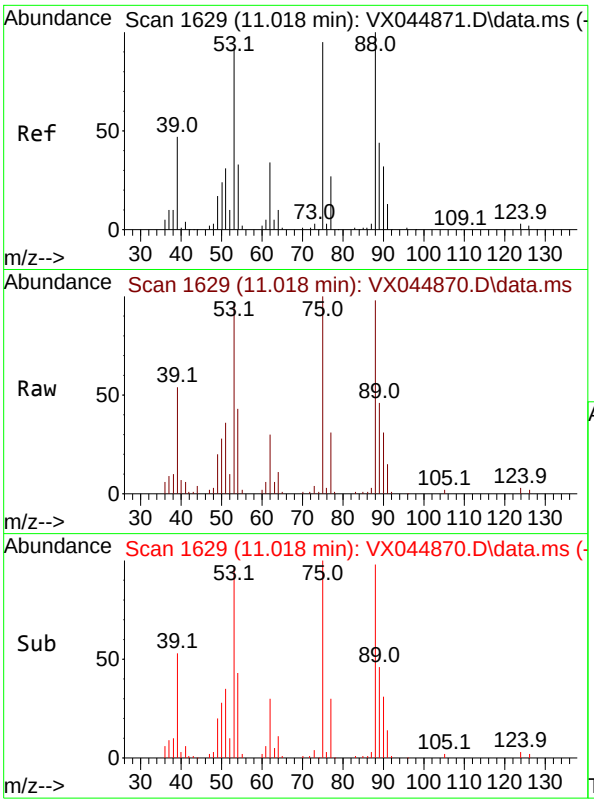


#80
1,3,5-Trimethylbenzene
Concen: 21.691 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:105 Resp: 130526

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.0	72.0



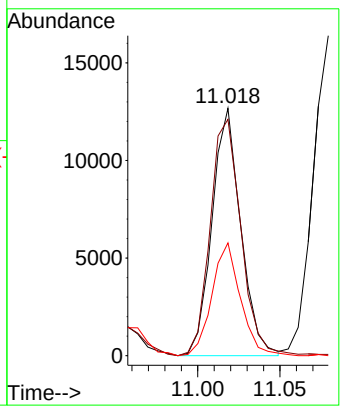


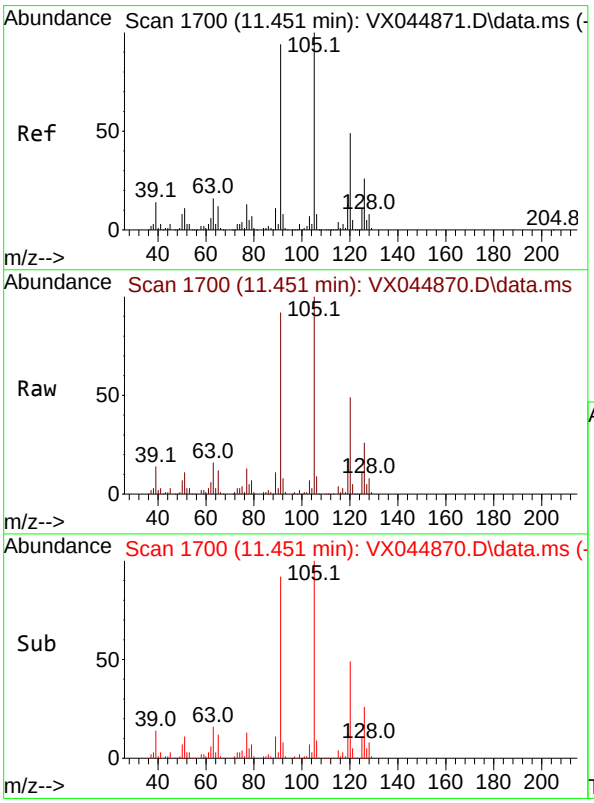
#81
trans-1,4-Dichloro-2-butene
Concen: 19.370 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 15375

Ion	Ratio	Lower	Upper
75	100		
53	103.3	78.0	117.0
89	45.3	36.6	54.8

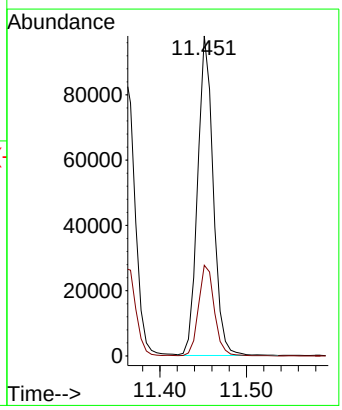


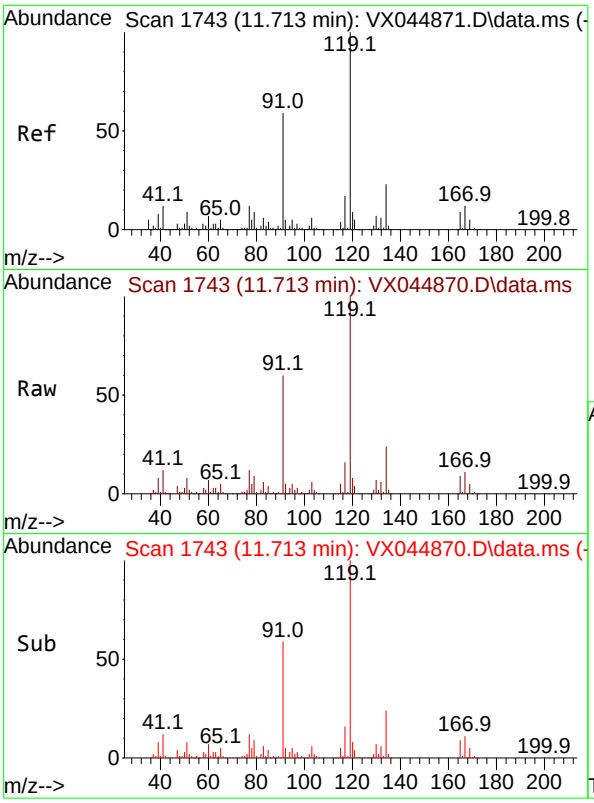


#82
4-Chlorotoluene
Concen: 21.016 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 122303

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



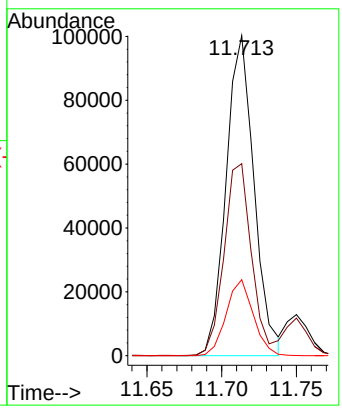


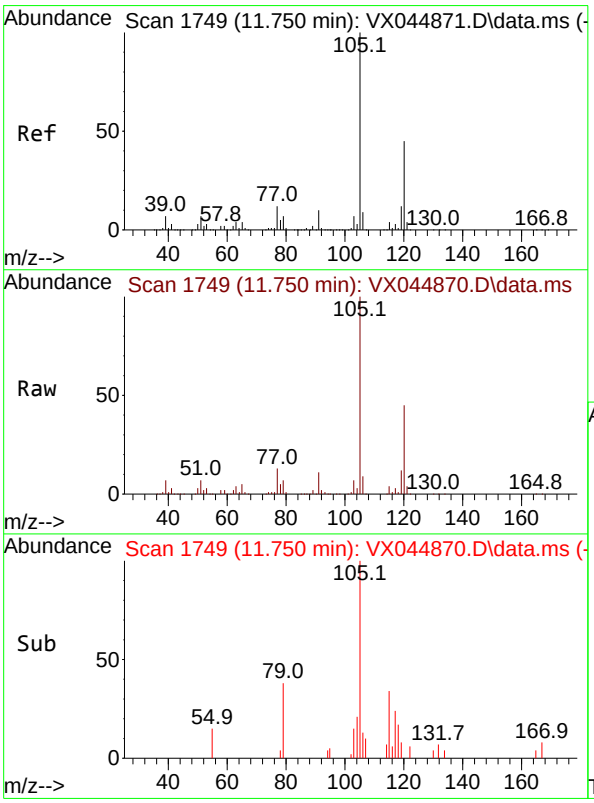
#83
tert-Butylbenzene
Concen: 21.414 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 130358

Ion	Ratio	Lower	Upper
119	100		
91	58.6	29.1	87.4
134	23.1	11.5	34.5

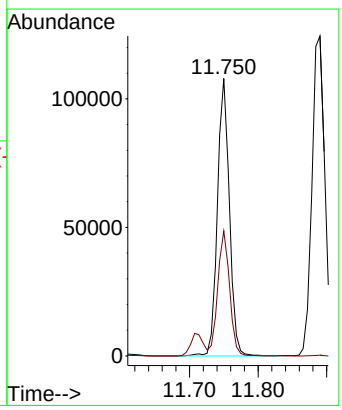


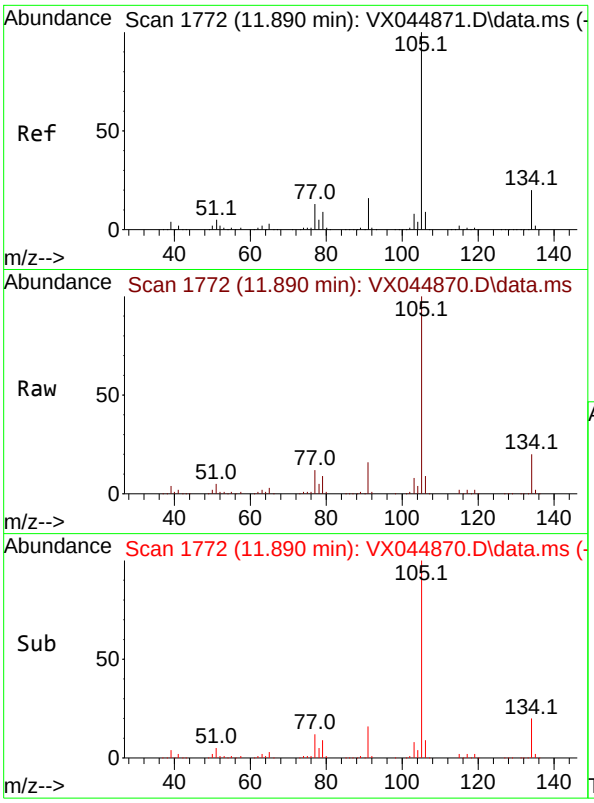


#84
1,2,4-Trimethylbenzene
Concen: 21.924 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:105 Resp: 130211

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.0



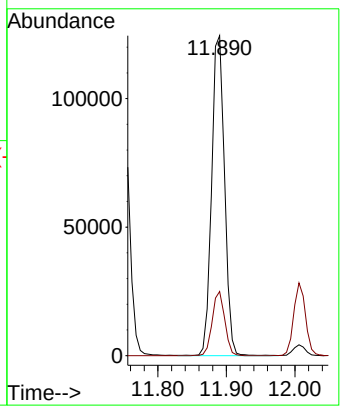


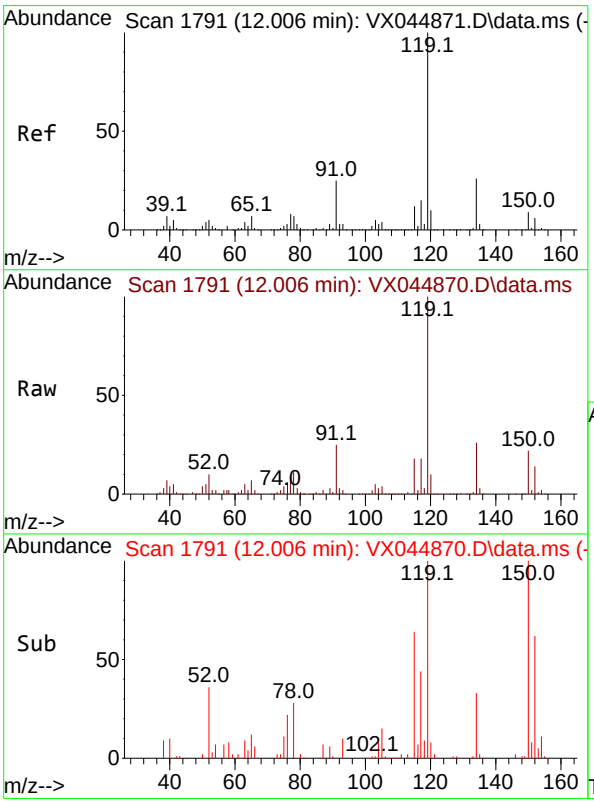
#85
sec-Butylbenzene
Concen: 21.607 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 162875

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

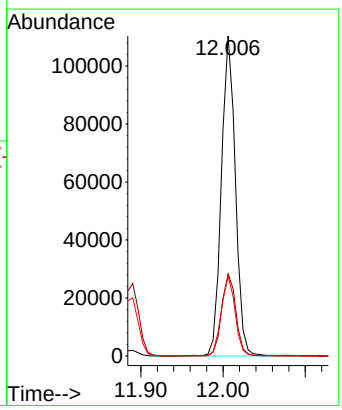


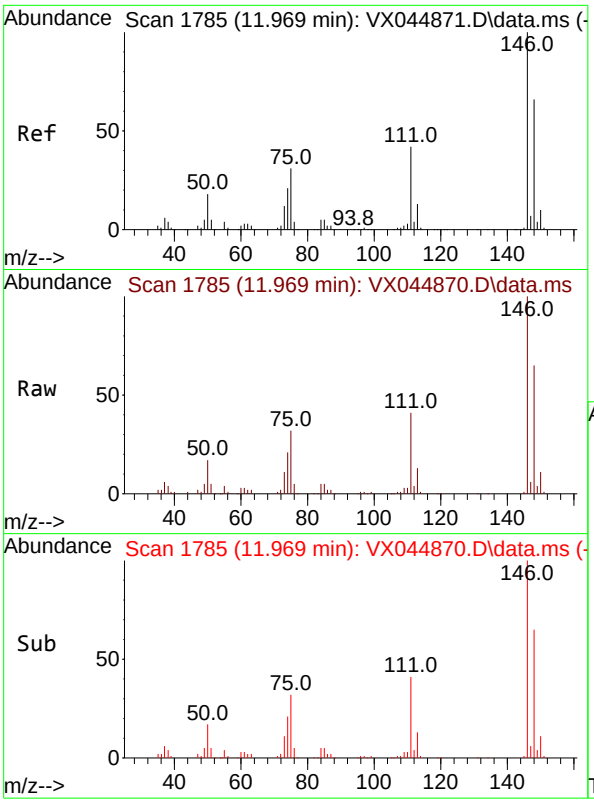


#86
p-Isopropyltoluene
Concen: 21.551 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:119 Resp: 130643

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.7	12.1	36.3



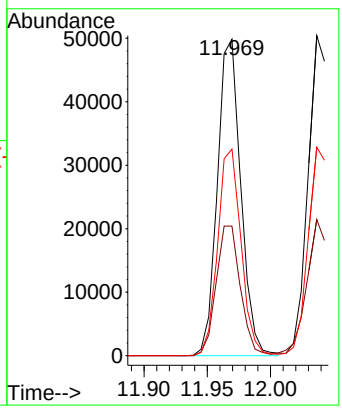


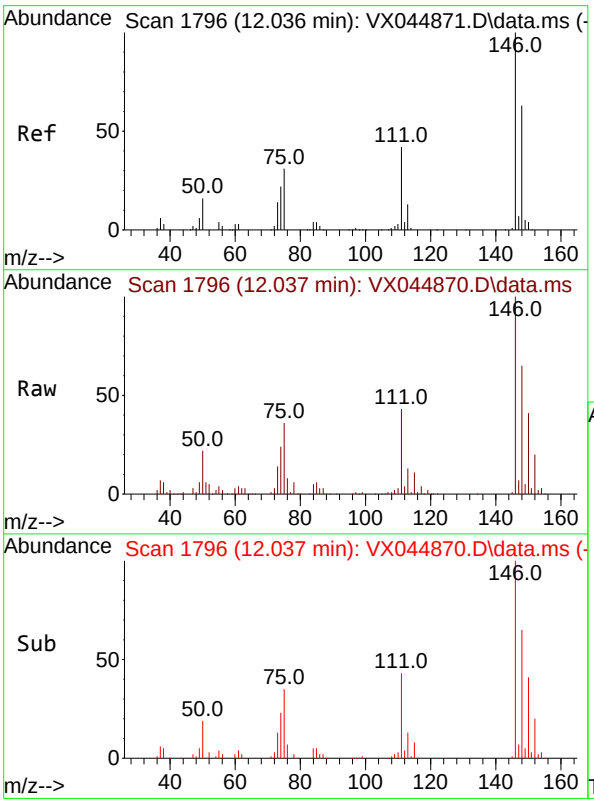
#87
1,3-Dichlorobenzene
Concen: 20.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 64141

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	65.2	32.5	97.5

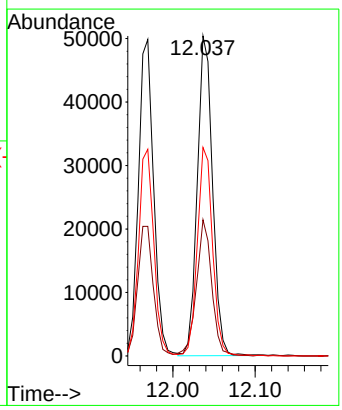


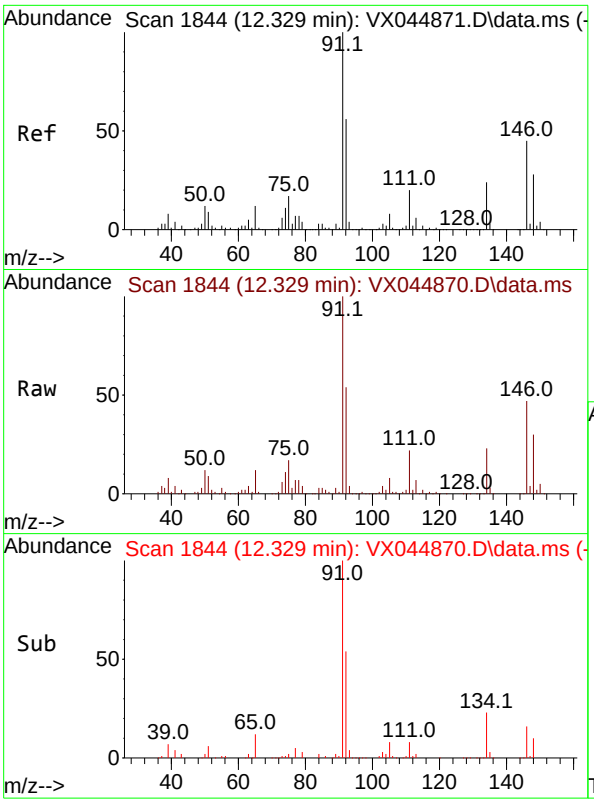


#88
1,4-Dichlorobenzene
Concen: 20.758 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:146 Resp: 64889

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.4	61.3
148	65.3	32.0	96.0



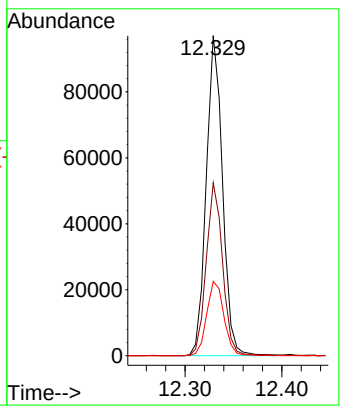


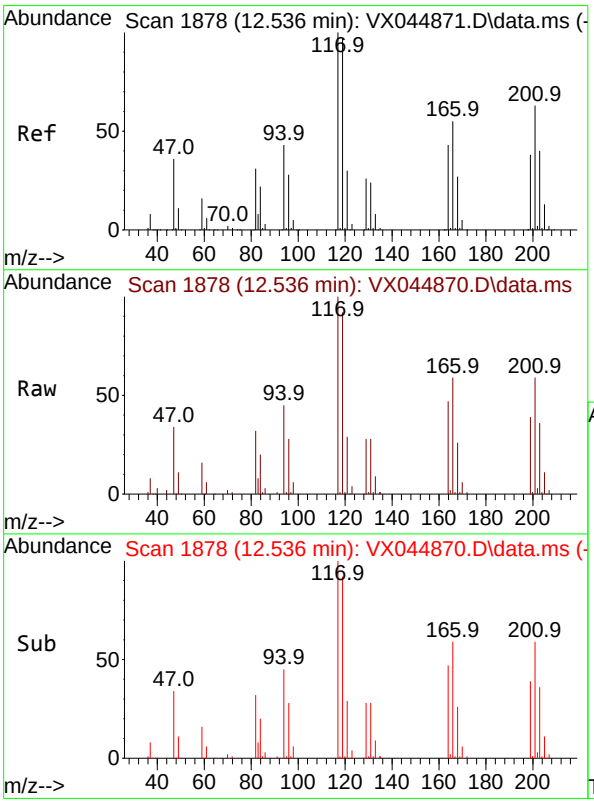
#89
n-Butylbenzene
Concen: 21.202 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 113705

Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.6
134	24.7	12.1	36.3

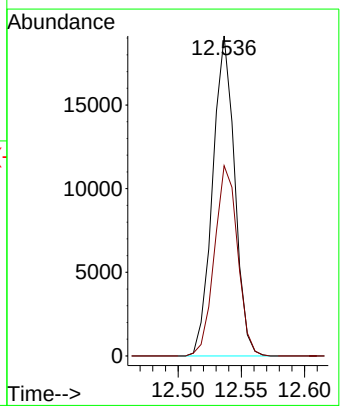


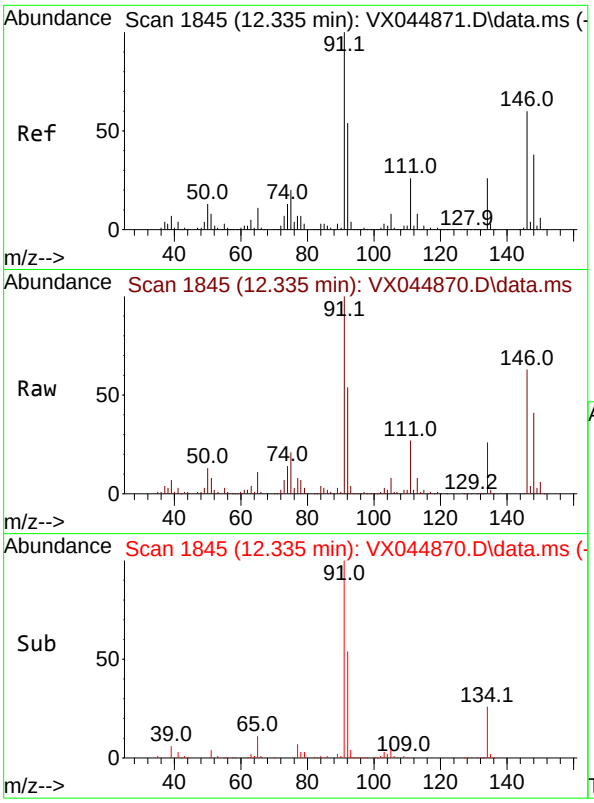


#90
Hexachloroethane
Concen: 20.398 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:117 Resp: 23153

Ion	Ratio	Lower	Upper
117	100		
201	62.4	32.5	97.5



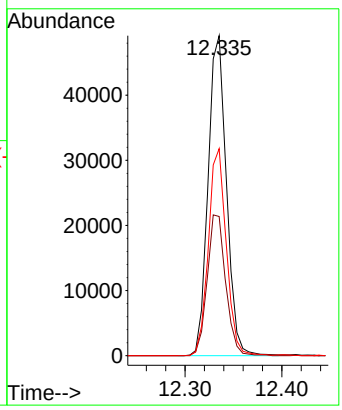


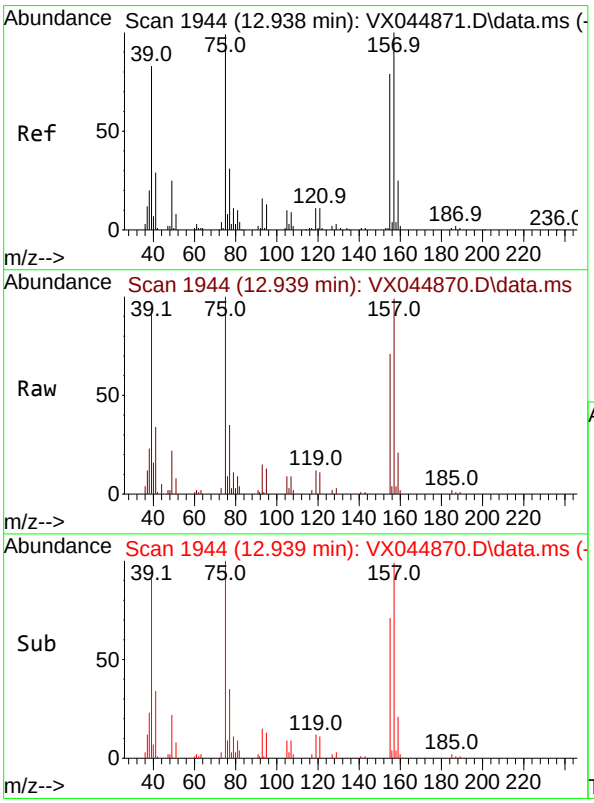
#91
1,2-Dichlorobenzene
Concen: 21.373 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 64940

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.4
148	63.3	31.9	95.9

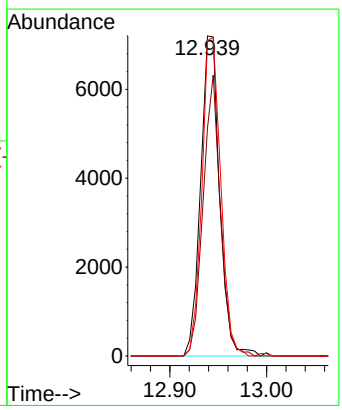


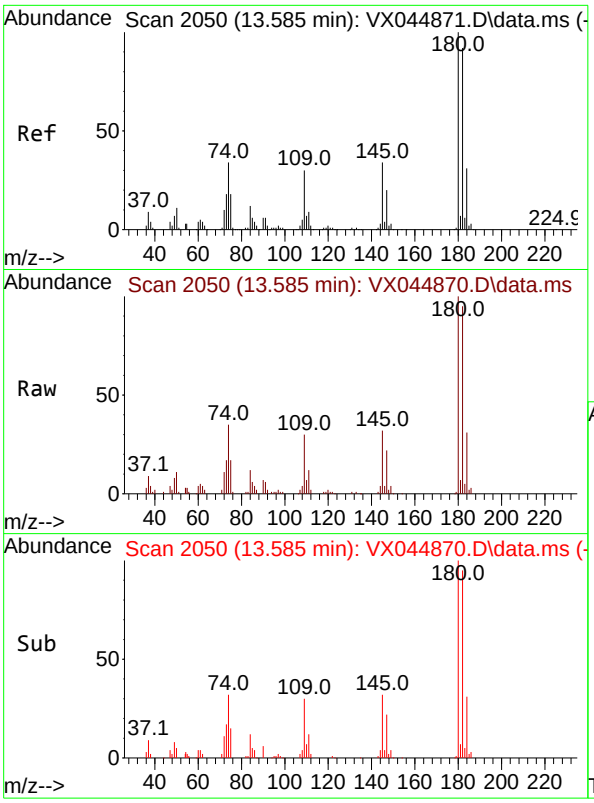


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.230 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 9873

Ion	Ratio	Lower	Upper
75	100		
155	79.8	40.5	121.4
157	98.3	51.4	154.3



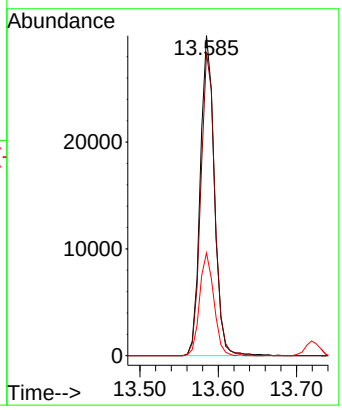


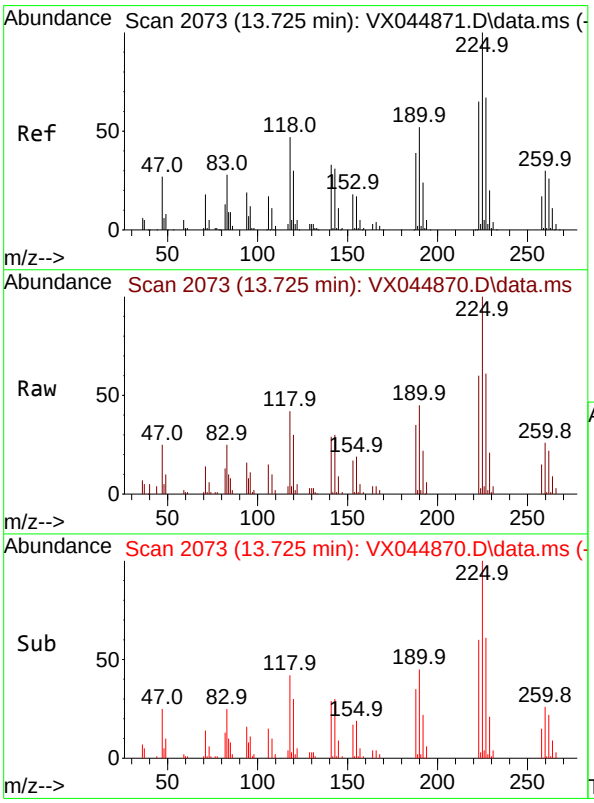
#93
1,2,4-Trichlorobenzene
Concen: 20.292 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 37308

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.6	142.8
145	32.4	16.4	49.1

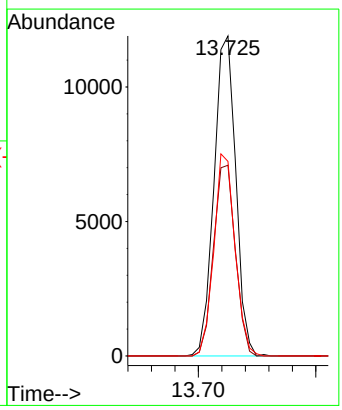


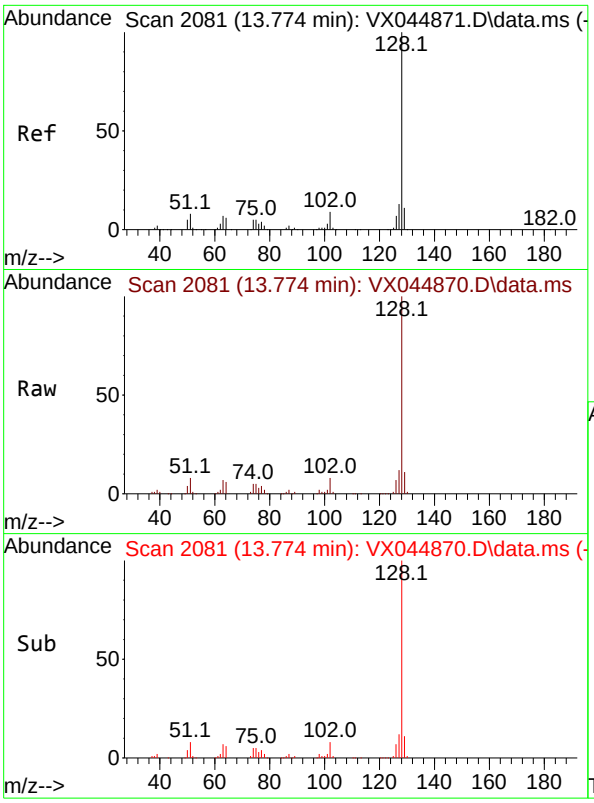


#94
Hexachlorobutadiene
Concen: 20.979 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:225 Resp: 15312

Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.4	94.2
227	61.4	32.3	96.8



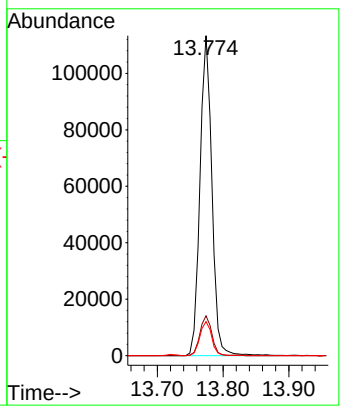


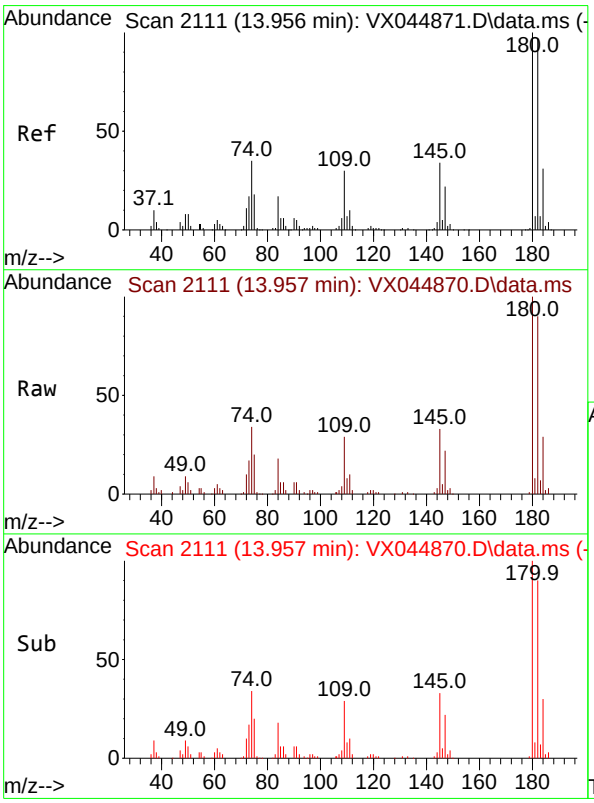
#95
Naphthalene
Concen: 21.502 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 142902

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.6	8.9	13.3

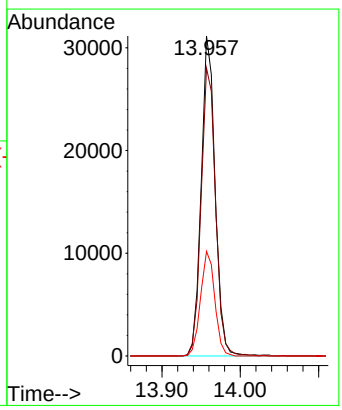




#96
1,2,3-Trichlorobenzene
Concen: 20.722 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:180 Resp: 38389

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.6
145	33.5	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	127984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	204751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	92593	49.424	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.840%			
35) Dibromofluoromethane	5.379	113	74906	49.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	8.646	98	289575	50.392	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	11.079	95	100798	52.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	89581	49.905	ug/l	100
3) Chloromethane	1.300	50	107836	49.359	ug/l	100
4) Vinyl Chloride	1.373	62	103354	48.832	ug/l	100
5) Bromomethane	1.593	94	31886	50.345	ug/l	100
6) Chloroethane	1.666	64	43657	55.583	ug/l	100
7) Trichlorofluoromethane	1.873	101	131729	49.215	ug/l	100
8) Diethyl Ether	2.129	74	48023	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	80068	49.511	ug/l	100
10) Methyl Iodide	2.446	142	108383	51.712	ug/l	100
11) Tert butyl alcohol	2.983	59	87254	251.049	ug/l	100
12) 1,1-Dichloroethene	2.312	96	80672	48.904	ug/l	100
13) Acrolein	2.233	56	90518	252.426	ug/l	100
14) Allyl chloride	2.660	41	148044	49.658	ug/l	100
15) Acrylonitrile	3.062	53	242268	261.074	ug/l	100
16) Acetone	2.379	43	187739	249.274	ug/l	100
17) Carbon Disulfide	2.501	76	225511	49.853	ug/l	100
18) Methyl Acetate	2.702	43	121039	50.928	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	261852	49.890	ug/l	100
20) Methylene Chloride	2.782	84	90038	48.808	ug/l	100
21) trans-1,2-Dichloroethene	3.086	96	81950	50.475	ug/l	100
22) Diisopropyl ether	3.757	45	287347	50.946	ug/l	100
23) Vinyl Acetate	3.714	43	1190152	258.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	157003	49.749	ug/l	100
25) 2-Butanone	4.556	43	323510	264.528	ug/l	100
26) 2,2-Dichloropropane	4.470	77	121901	48.707	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	96965	49.721	ug/l	100
28) Bromochloromethane	4.891	49	74707	49.258	ug/l	100
29) Tetrahydrofuran	5.001	42	210414	259.105	ug/l	100
30) Chloroform	5.086	83	149581	48.874	ug/l	100
31) Cyclohexane	5.464	56	143500	49.322	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	128561	49.523	ug/l	100
36) 1,1-Dichloropropene	5.690	75	108206	49.353	ug/l	100
37) Ethyl Acetate	4.708	43	123238	50.535	ug/l	100
38) Carbon Tetrachloride	5.671	117	105873	49.277	ug/l	100
39) Methylcyclohexane	7.372	83	145338	51.274	ug/l	100
40) Benzene	6.031	78	343557	50.182	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	70572	54.065	ug/l		100
42) 1,2-Dichloroethane	6.080	62	110347	50.573	ug/l		100
43) Isopropyl Acetate	6.336	43	204703	51.981	ug/l		100
44) Trichloroethene	7.122	130	78274	50.020	ug/l		100
45) 1,2-Dichloropropane	7.427	63	85733	50.335	ug/l		100
46) Dibromomethane	7.573	93	59625	50.479	ug/l		100
47) Bromodichloromethane	7.817	83	116892	51.108	ug/l		100
48) Methyl methacrylate	7.689	41	98519	53.057	ug/l		100
49) 1,4-Dioxane	7.659	88	42094	1056.618	ug/l		100
51) 4-Methyl-2-Pentanone	8.573	43	647283	270.364	ug/l		100
52) Toluene	8.714	92	210007	51.507	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	120125	51.902	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	134763	52.223	ug/l		100
55) 1,1,2-Trichloroethane	9.146	97	79741	50.876	ug/l		100
56) Ethyl methacrylate	9.116	69	134975	53.319	ug/l		100
57) 1,3-Dichloropropane	9.305	76	141335	51.537	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	336412	270.652	ug/l		100
59) 2-Hexanone	9.427	43	472301	273.800	ug/l		100
60) Dibromochloromethane	9.518	129	87240	52.045	ug/l		100
61) 1,2-Dibromoethane	9.604	107	81915	51.564	ug/l		100
64) Tetrachloroethene	9.268	164	63537	49.206	ug/l		100
65) Chlorobenzene	10.079	112	224306	51.005	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	72478	51.203	ug/l		100
67) Ethyl Benzene	10.189	91	396269	51.061	ug/l		100
68) m/p-Xylenes	10.299	106	296507	103.573	ug/l		100
69) o-Xylene	10.640	106	144802	50.409	ug/l		100
70) Styrene	10.652	104	245518	53.051	ug/l		100
71) Bromoform	10.799	173	57417	54.352	ug/l	#	100
73) Isopropylbenzene	10.957	105	374776	50.239	ug/l		100
74) N-amyl acetate	10.841	43	176174	52.189	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	126542	49.364	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	136881	66.637	ug/l		83
77) Bromobenzene	11.195	156	84448	49.931	ug/l		100
78) n-propylbenzene	11.298	91	437572	50.818	ug/l		100
79) 2-Chlorotoluene	11.359	91	263269	49.749	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	307465	50.789	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	40487	50.701	ug/l		100
82) 4-Chlorotoluene	11.451	91	295844	50.531	ug/l		100
83) tert-Butylbenzene	11.713	119	306830	50.102	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	311205	52.085	ug/l		100
85) sec-Butylbenzene	11.890	105	384155	50.657	ug/l		100
86) p-Isopropyltoluene	12.006	119	315226	51.689	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	155575	50.021	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	156162	49.657	ug/l		100
89) n-Butylbenzene	12.329	91	287649	53.315	ug/l		100
90) Hexachloroethane	12.536	117	56951	49.874	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	154364	50.500	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23924	51.135	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	93863	50.747	ug/l		100
94) Hexachlorobutadiene	13.725	225	35481	48.321	ug/l		100
95) Naphthalene	13.774	128	347645	51.995	ug/l		100
96) 1,2,3-Trichlorobenzene	13.956	180	95510	51.245	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

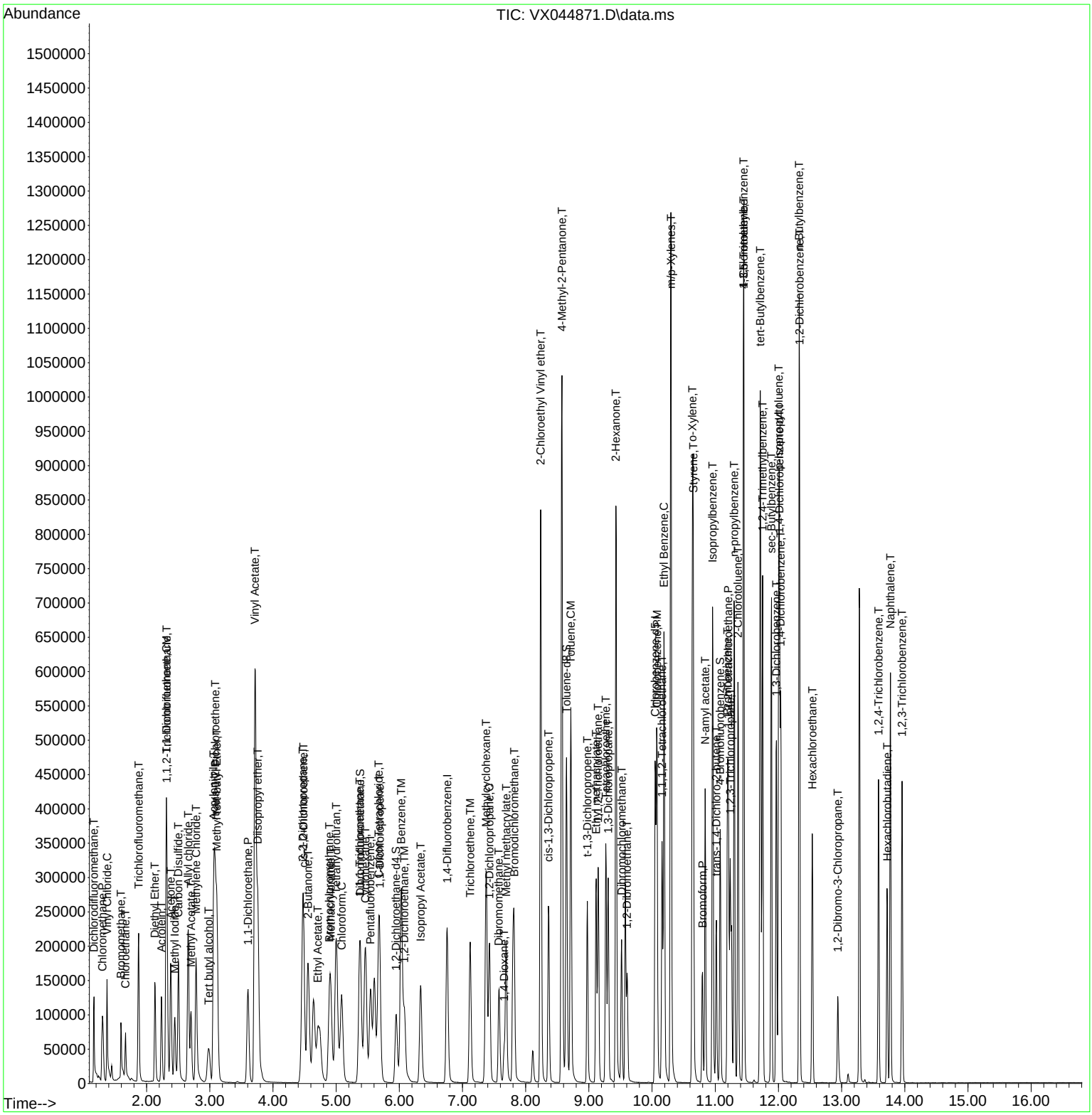
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

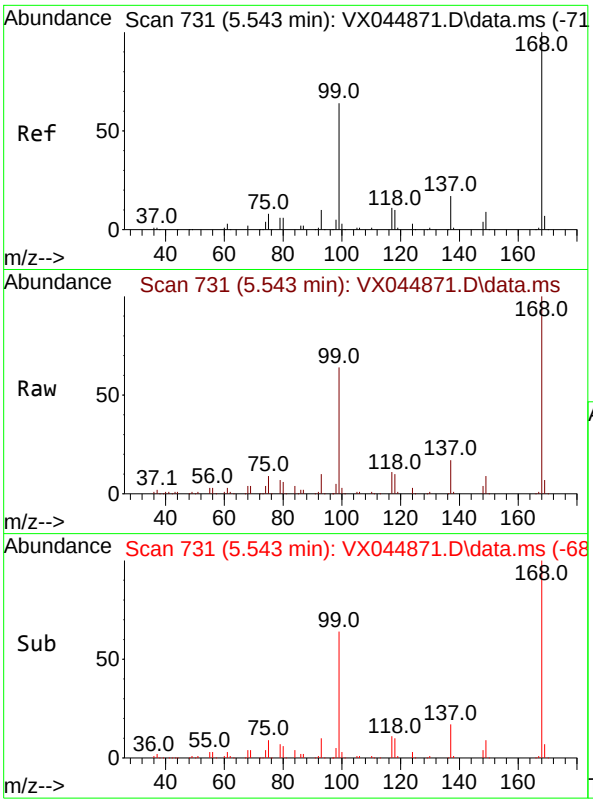
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration



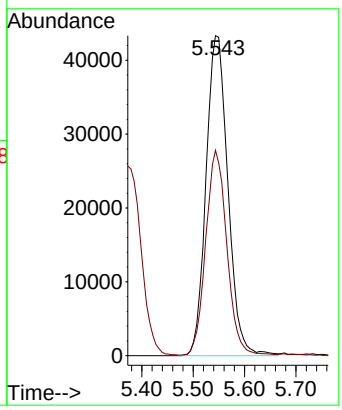


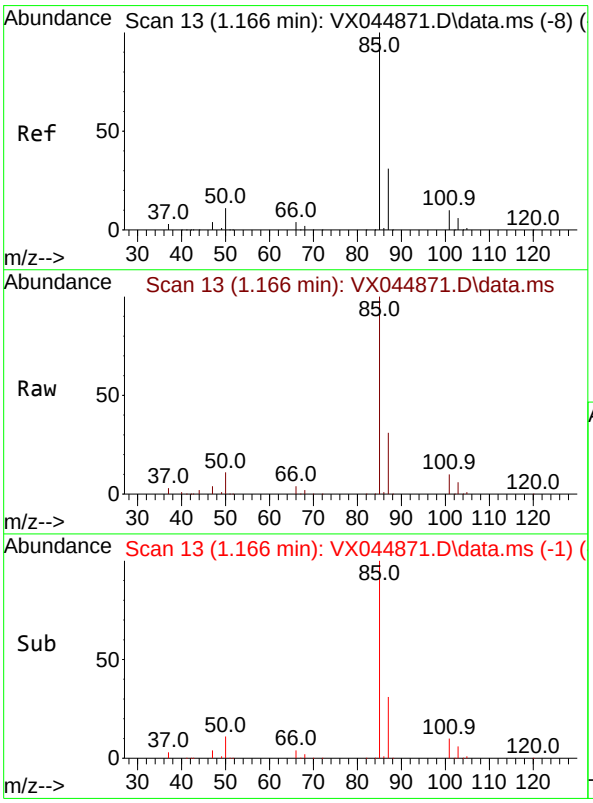
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 127984

Ion	Ratio	Lower	Upper
168	100		
99	64.0	51.2	76.8

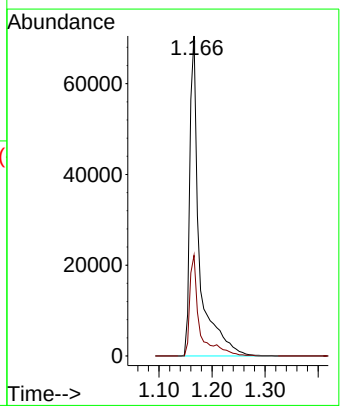


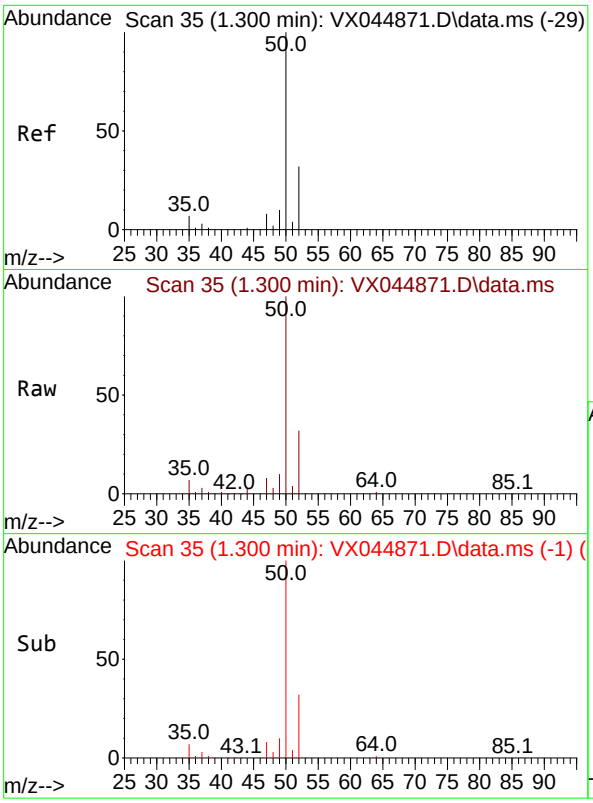


#2
Dichlorodifluoromethane
Concen: 49.905 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 85 Resp: 89581

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



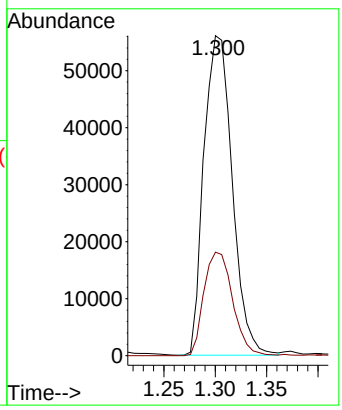


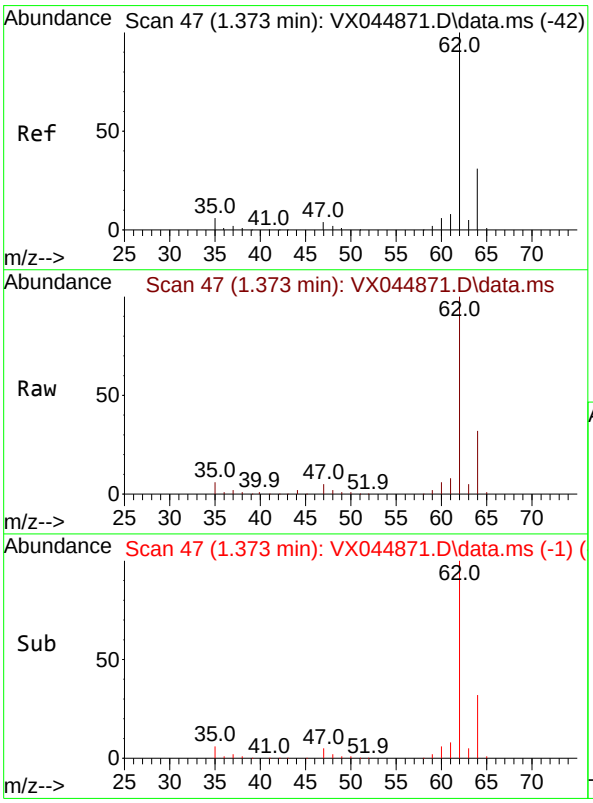
#3
Chloromethane
Concen: 49.359 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 107836

Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9

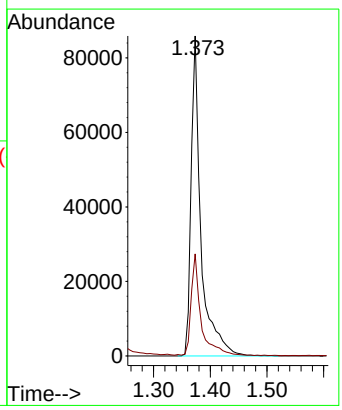


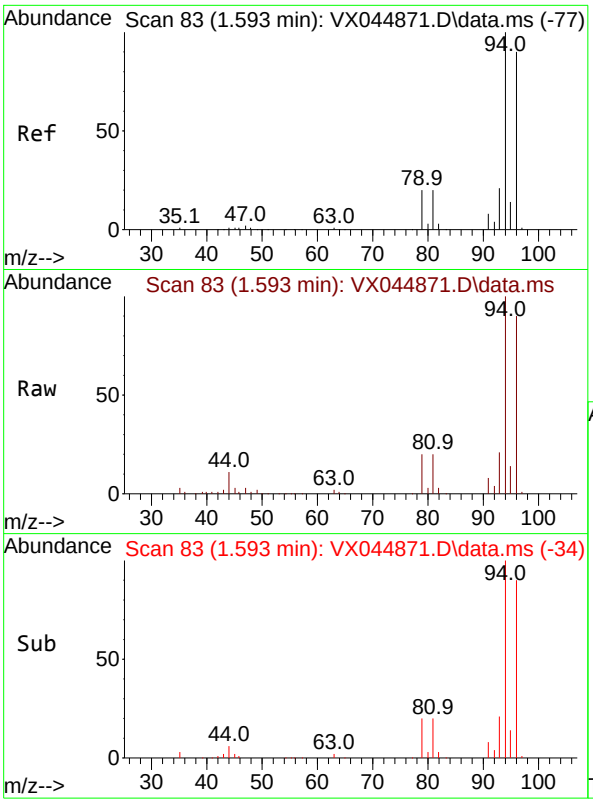


#4
Vinyl Chloride
Concen: 48.832 ug/l
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 103354

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0



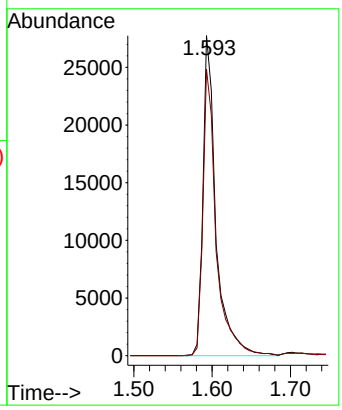


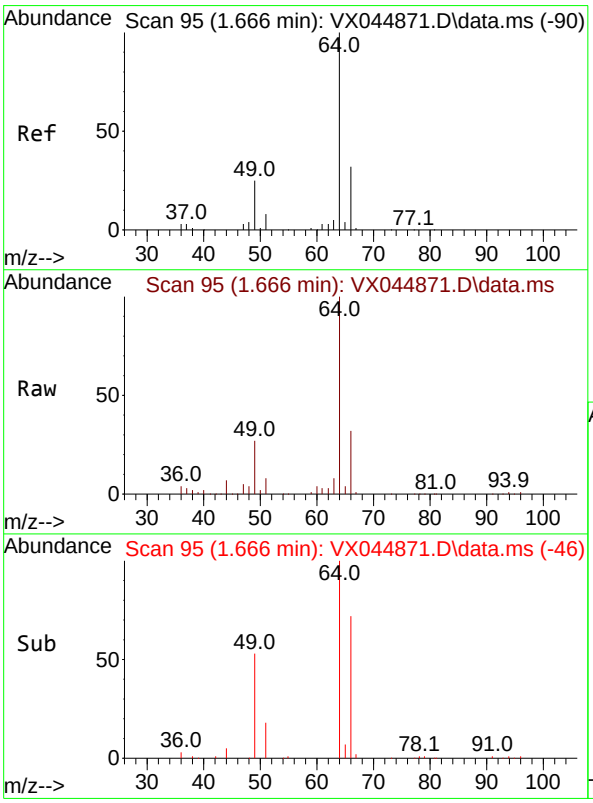
#5
Bromomethane
Concen: 50.345 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 31886

Ion	Ratio	Lower	Upper
94	100		
96	89.5	71.6	107.4

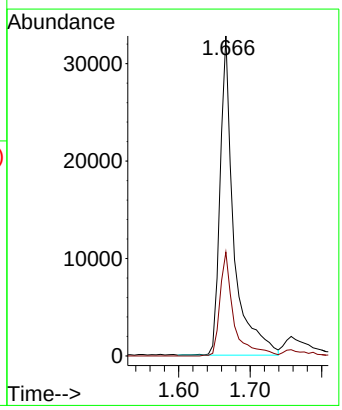


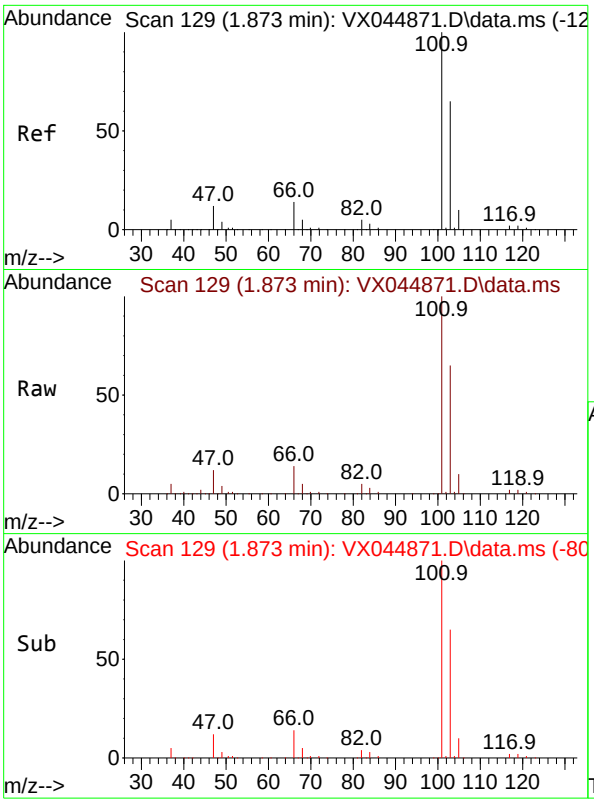


#6
Chloroethane
Concen: 55.583 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 64 Resp: 43657

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.9	38.9



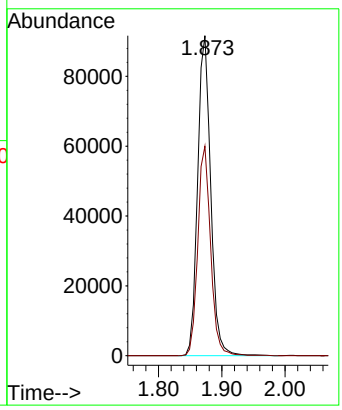


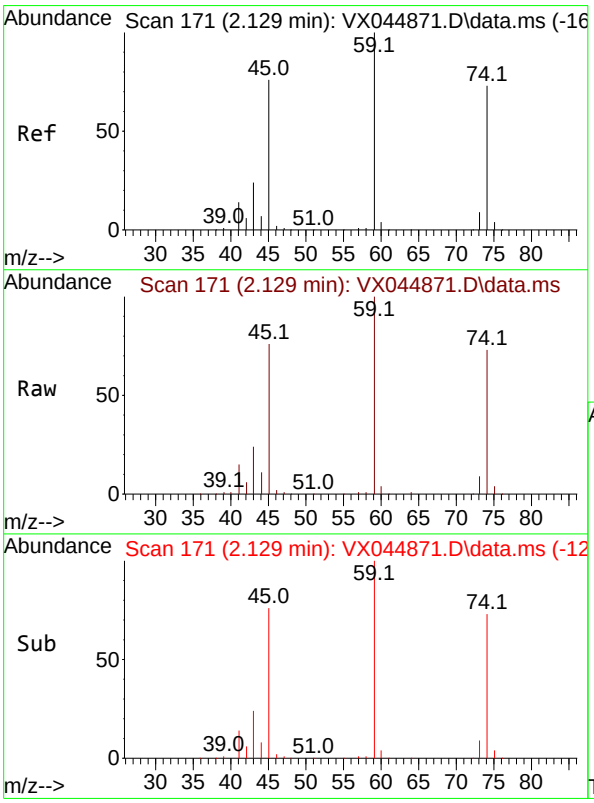
#7
Trichlorofluoromethane
Concen: 49.215 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 131729

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.4	78.6

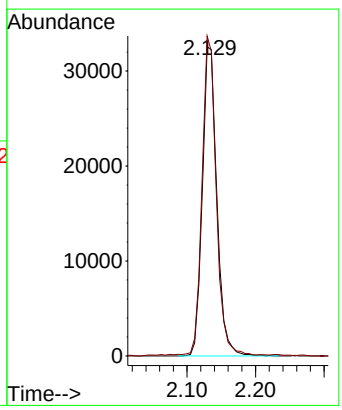


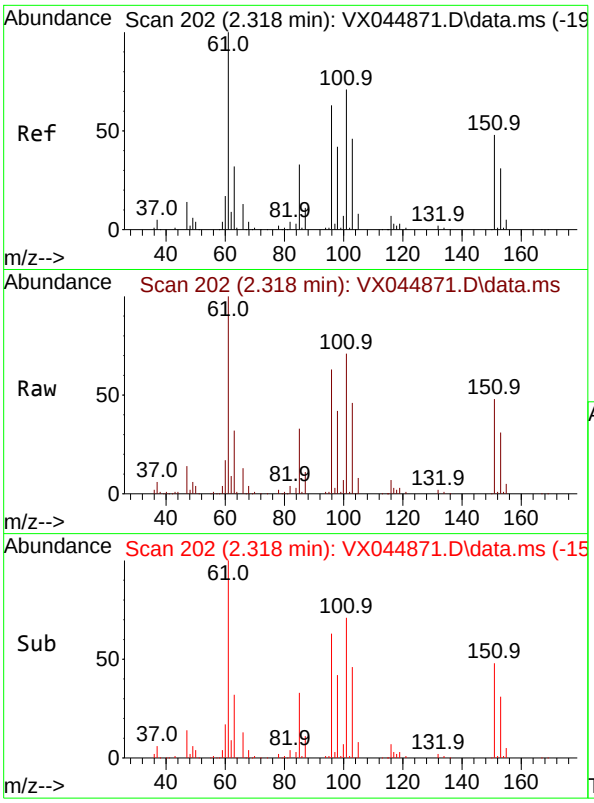


#8
Diethyl Ether
Concen: 49.473 ug/l
RT: 2.129 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 74 Resp: 48023

Ion	Ratio	Lower	Upper
74	100		
45	102.3	51.1	153.4



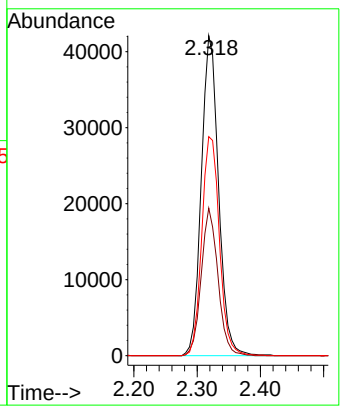


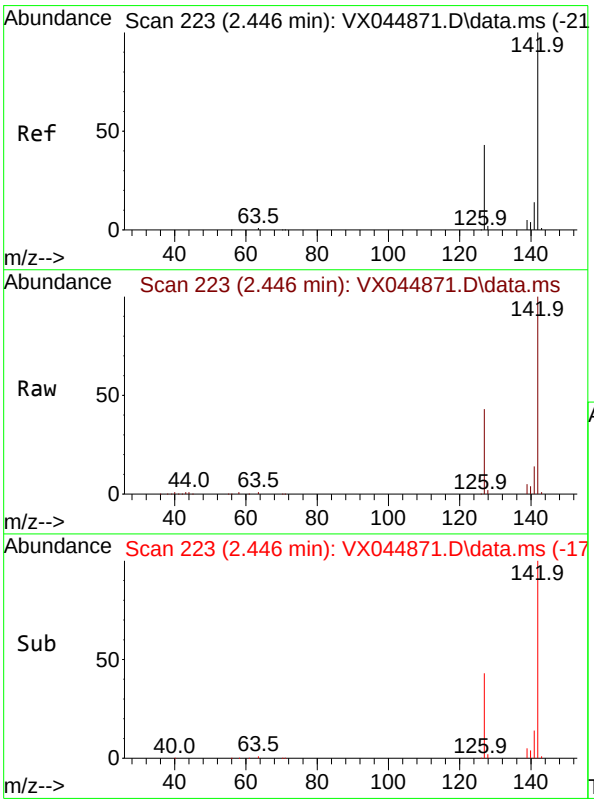
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.511 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 80068

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.7	53.5
151	70.0	56.0	84.0

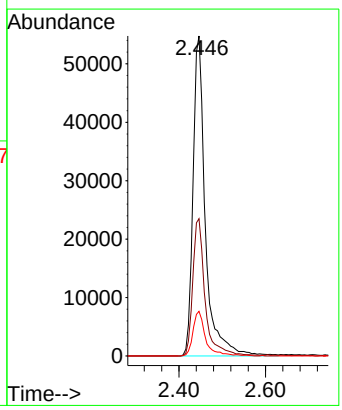


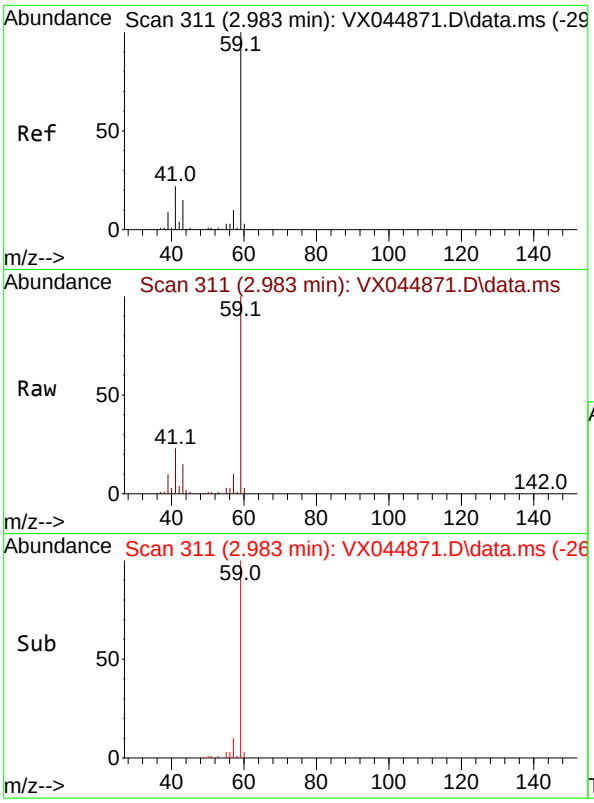


#10
Methyl Iodide
Concen: 51.712 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:142 Resp: 108383

Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.3	51.5
141	14.3	11.4	17.2



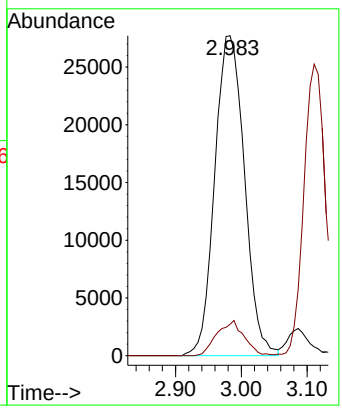


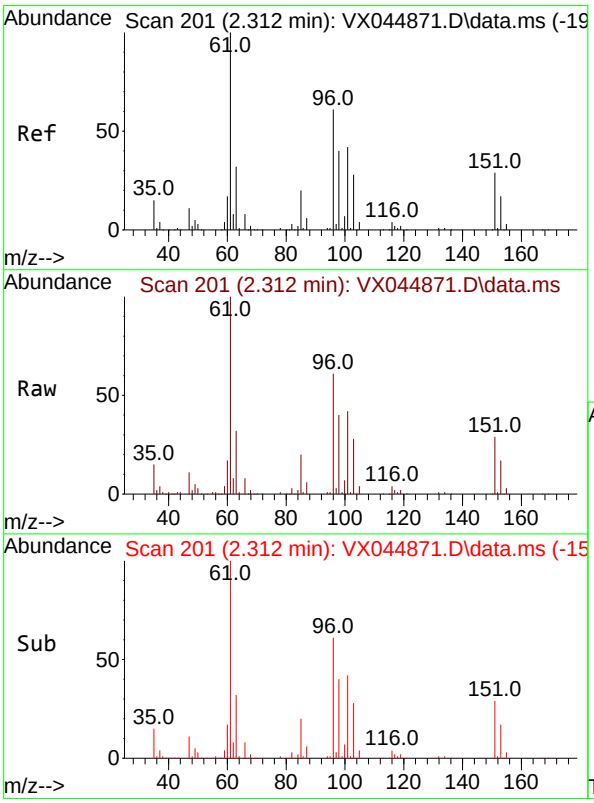
#11
Tert butyl alcohol
Concen: 251.049 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 87254

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

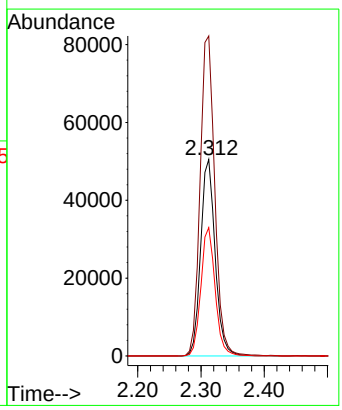


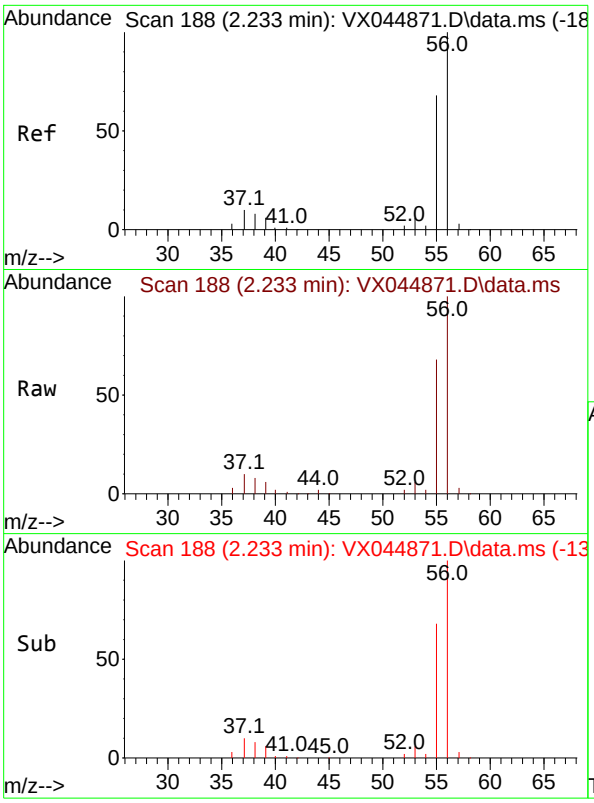


#12
1,1-Dichloroethene
Concen: 48.904 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 96 Resp: 80672

Ion	Ratio	Lower	Upper
96	100		
61	162.8	130.2	195.4
98	65.3	52.2	78.4



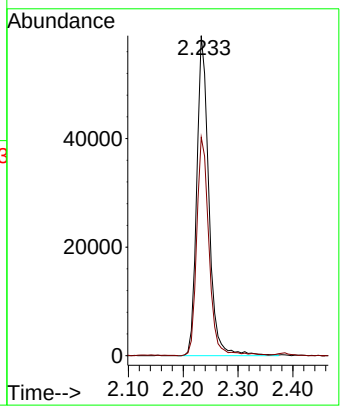


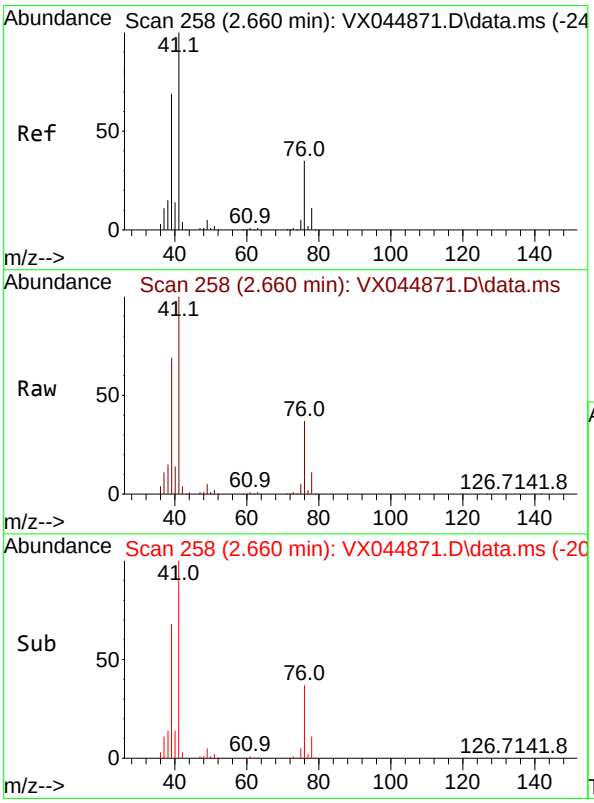
#13
Acrolein
Concen: 252.426 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 90518

Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.7	83.5

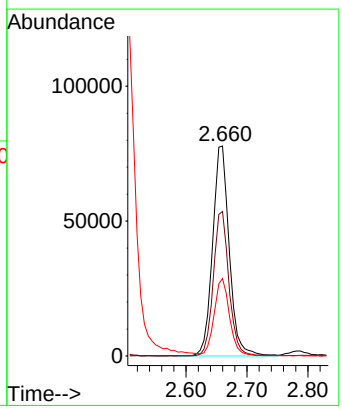


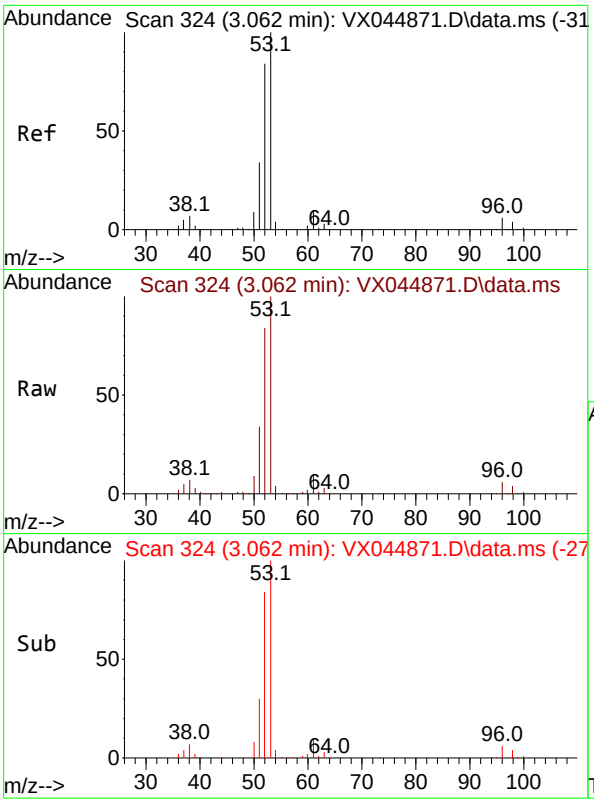


#14
Allyl chloride
Concen: 49.658 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 148044

Ion	Ratio	Lower	Upper
41	100		
39	64.3	51.4	77.2
76	33.7	27.0	40.4



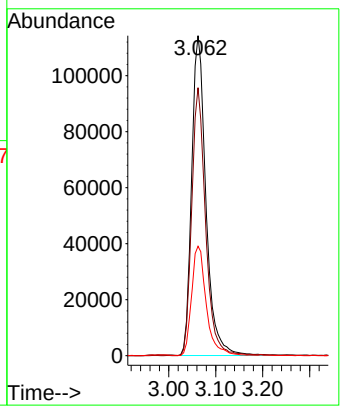


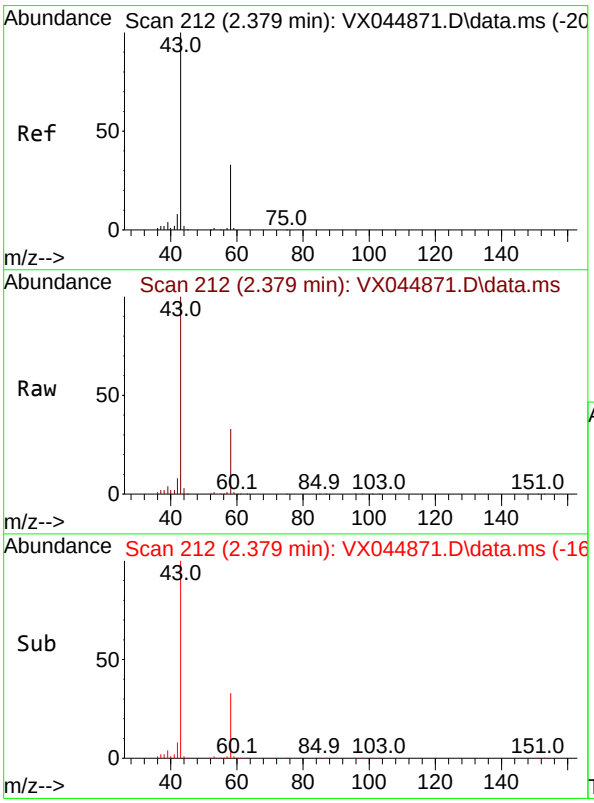
#15
Acrylonitrile
Concen: 261.074 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 242268

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	35.0	28.0	42.0

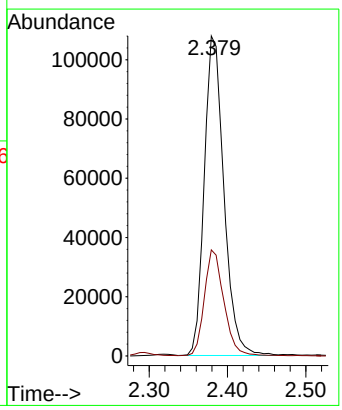


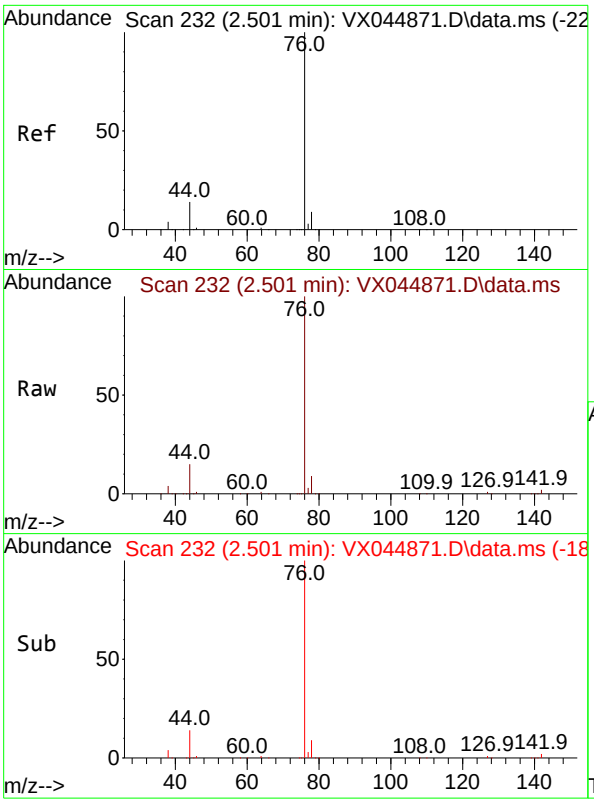


#16
Acetone
Concen: 249.274 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 187739

Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.5	39.7



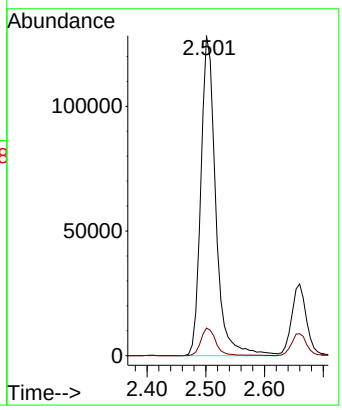


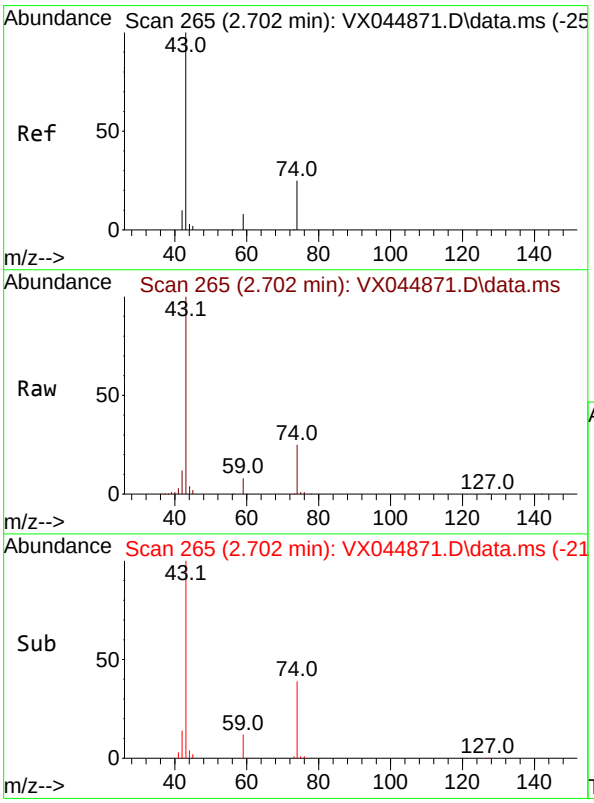
#17
Carbon Disulfide
Concen: 49.853 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 225511

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

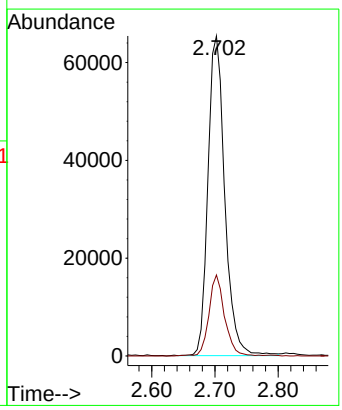


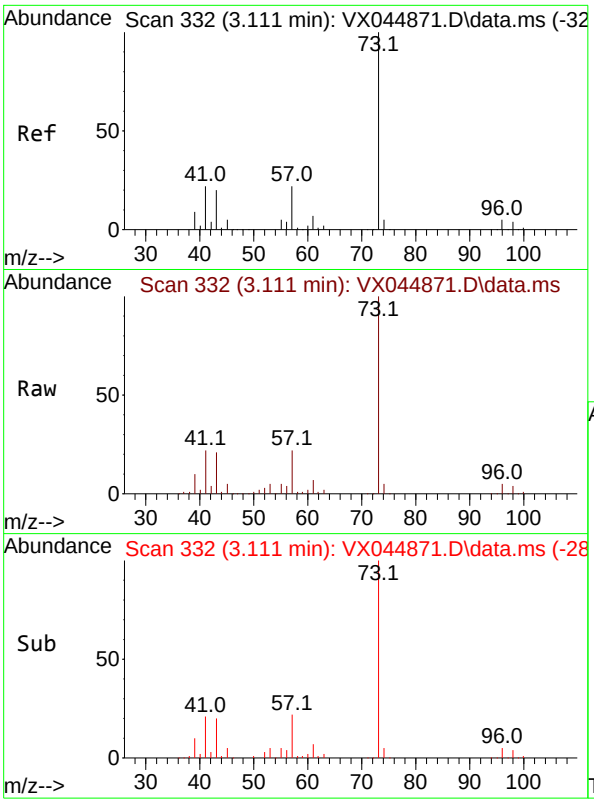


#18
Methyl Acetate
Concen: 50.928 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 121039

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.9	28.3



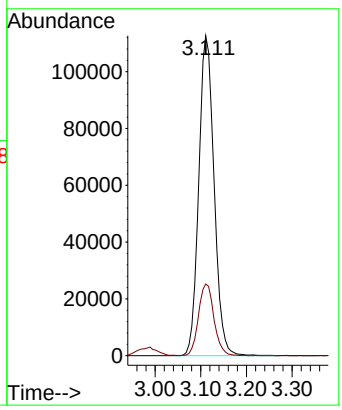


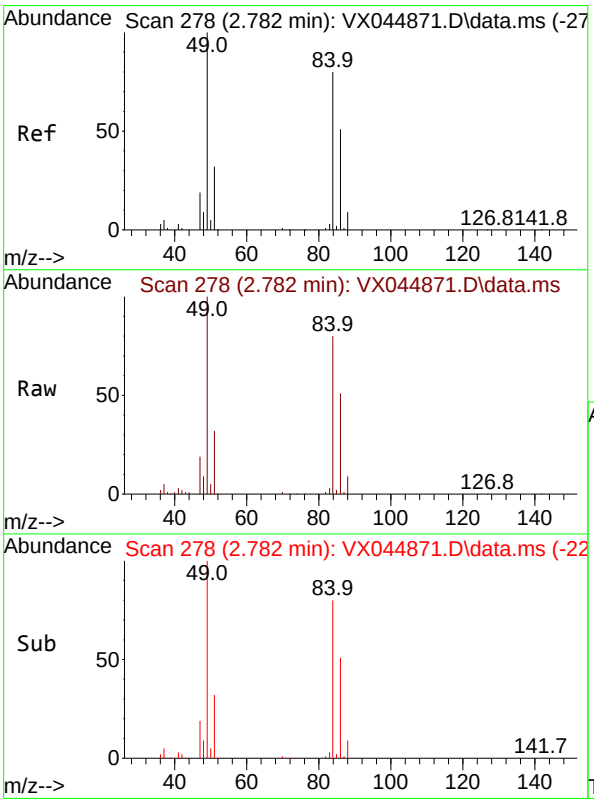
#19
Methyl tert-butyl Ether
Concen: 49.890 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 261852

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9

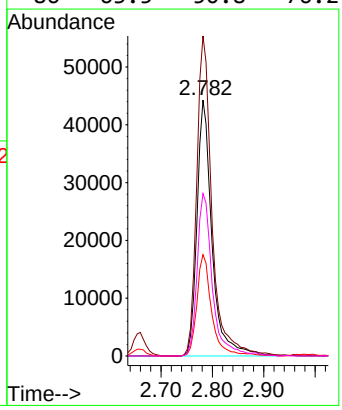


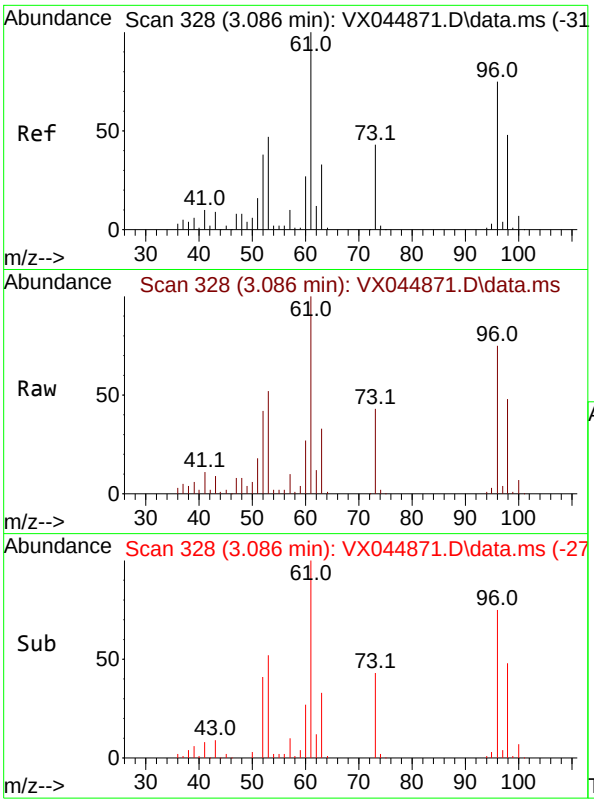


#20
Methylene Chloride
Concen: 48.808 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 84 Resp: 90038

Ion	Ratio	Lower	Upper
84	100		
49	125.1	100.1	150.1
51	39.6	31.7	47.5
86	63.5	50.8	76.2



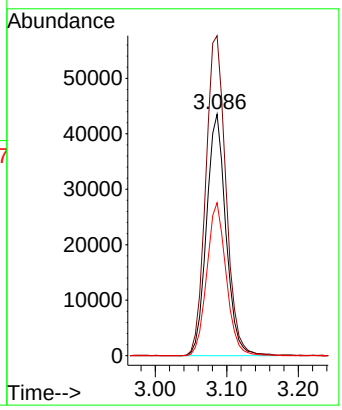


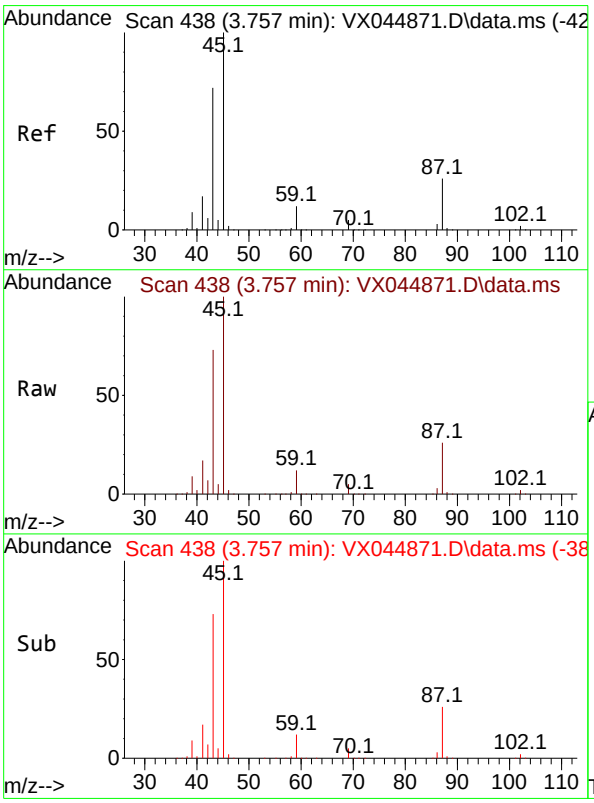
#21
trans-1,2-Dichloroethene
Concen: 50.475 ug/l
RT: 3.086 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 81950

Ion	Ratio	Lower	Upper
96	100		
61	132.5	106.0	159.0
98	63.3	50.6	76.0

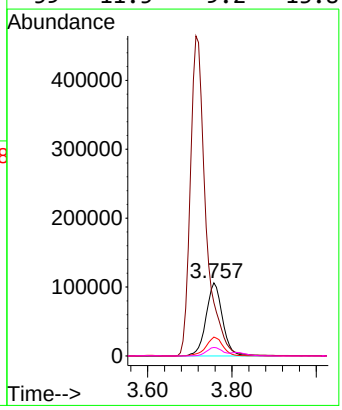


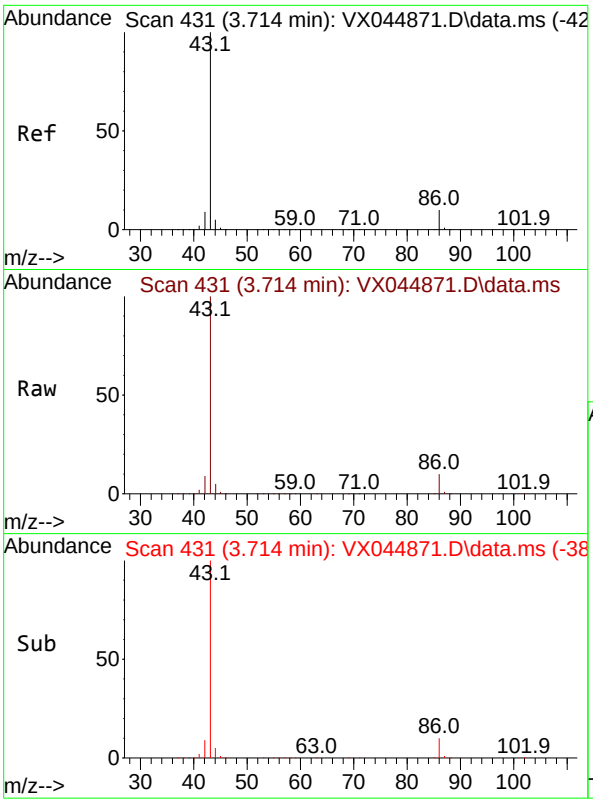


#22
Diisopropyl ether
Concen: 50.946 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 45 Resp: 287347

Ion	Ratio	Lower	Upper
45	100		
43	72.5	58.0	87.0
87	25.9	20.7	31.1
59	11.5	9.2	13.8



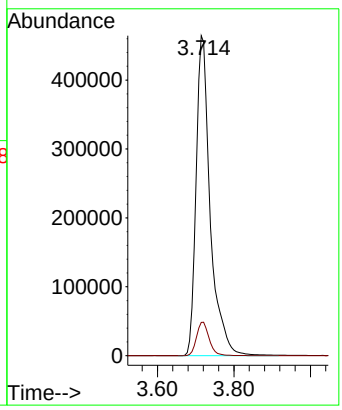


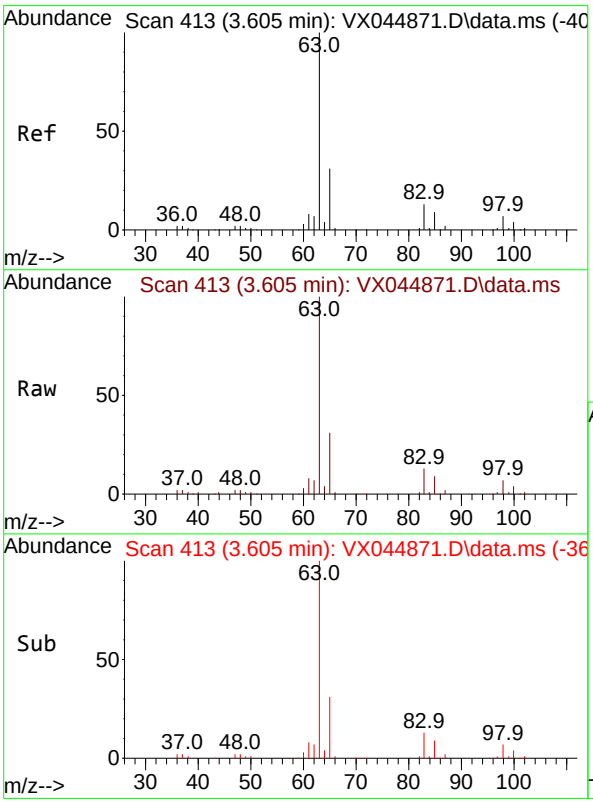
#23
Vinyl Acetate
Concen: 258.830 ug/l
RT: 3.714 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1190152

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

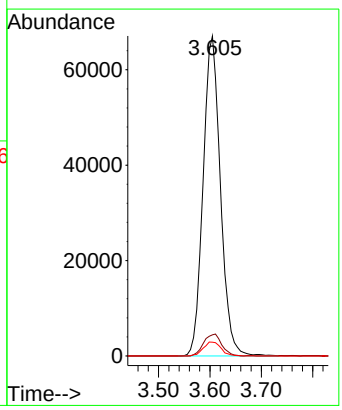


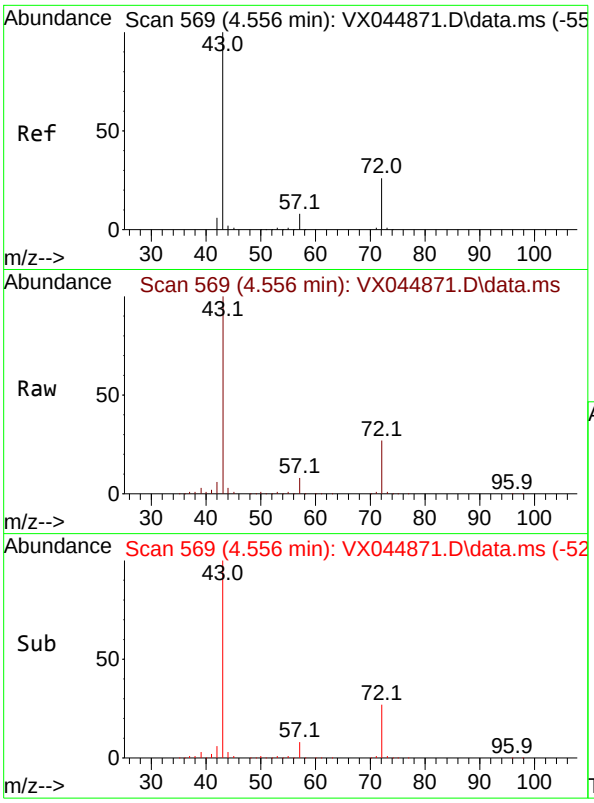


#24
1,1-Dichloroethane
Concen: 49.749 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 157003

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	4.3	2.1	6.5



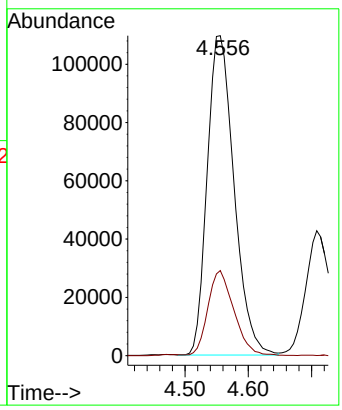


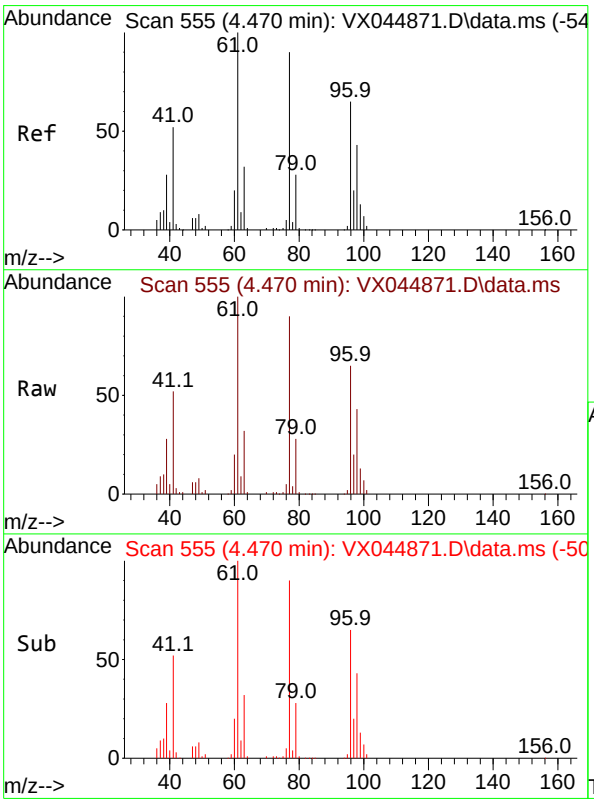
#25
2-Butanone
Concen: 264.528 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 323510

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.2	31.8

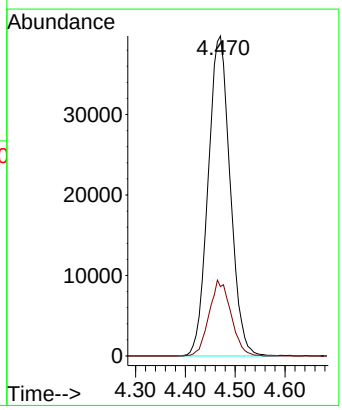


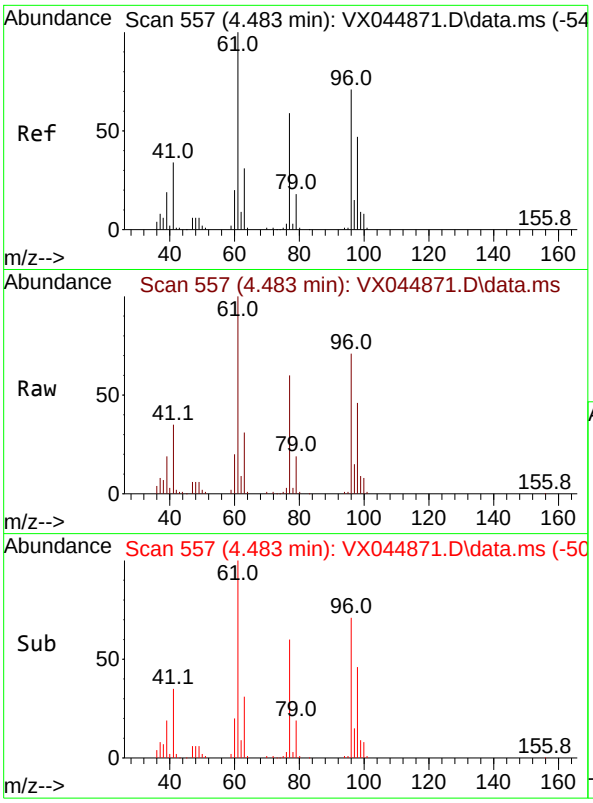


#26
2,2-Dichloropropane
Concen: 48.707 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 77 Resp: 121901

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.8	35.3



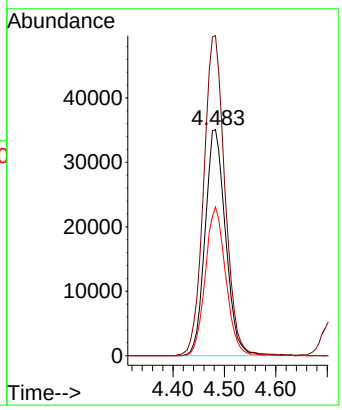


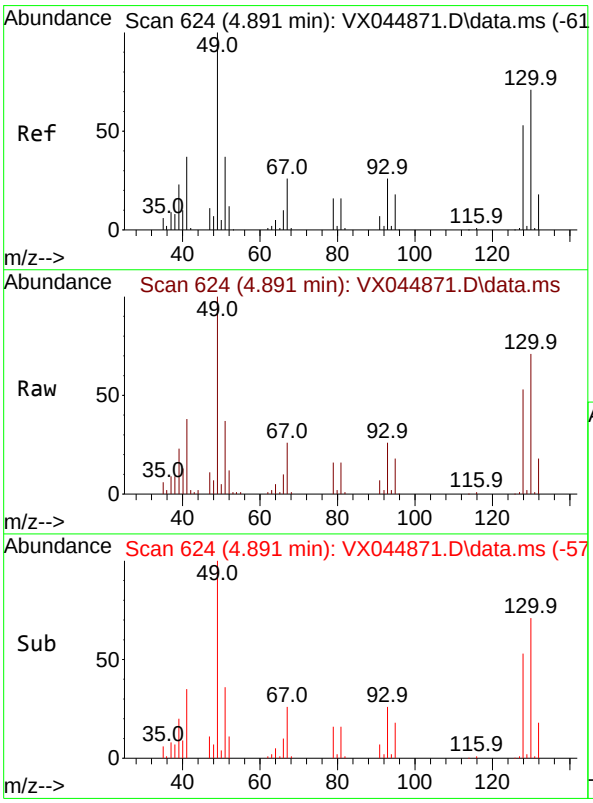
#27
cis-1,2-Dichloroethene
Concen: 49.721 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 96965

Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	294.0
98	65.6	0.0	131.2

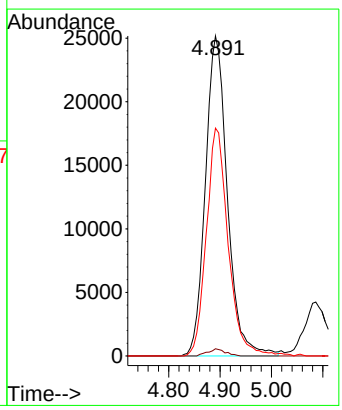


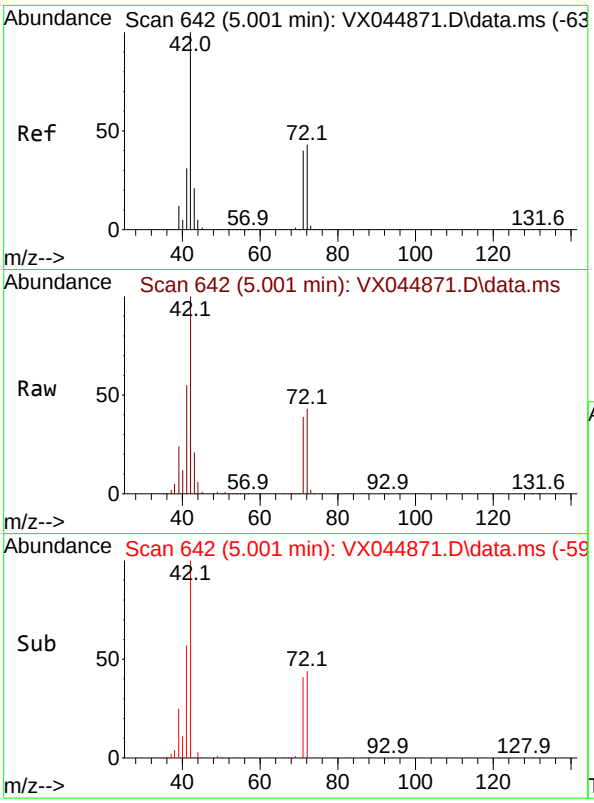


#28
Bromochloromethane
Concen: 49.258 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 49 Resp: 74707

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	70.9	56.7	85.1



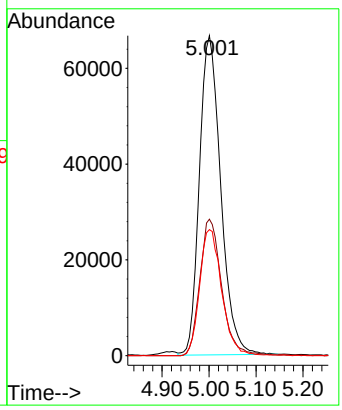


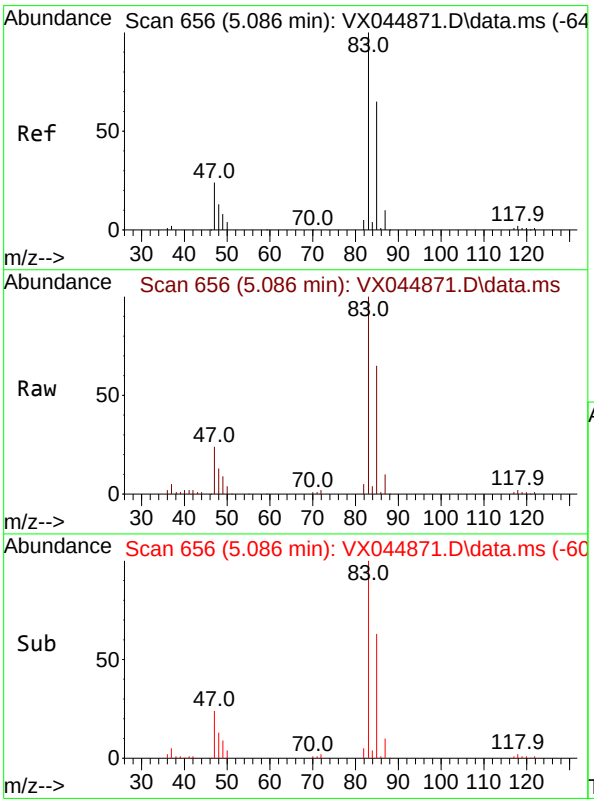
#29
Tetrahydrofuran
Concen: 259.105 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 210414

Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	40.7	32.6	48.8

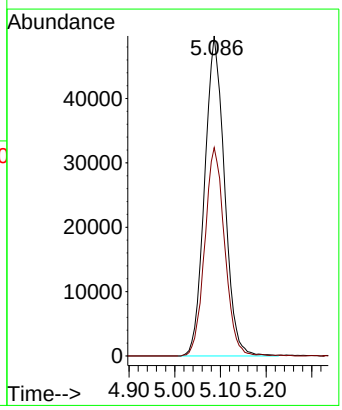


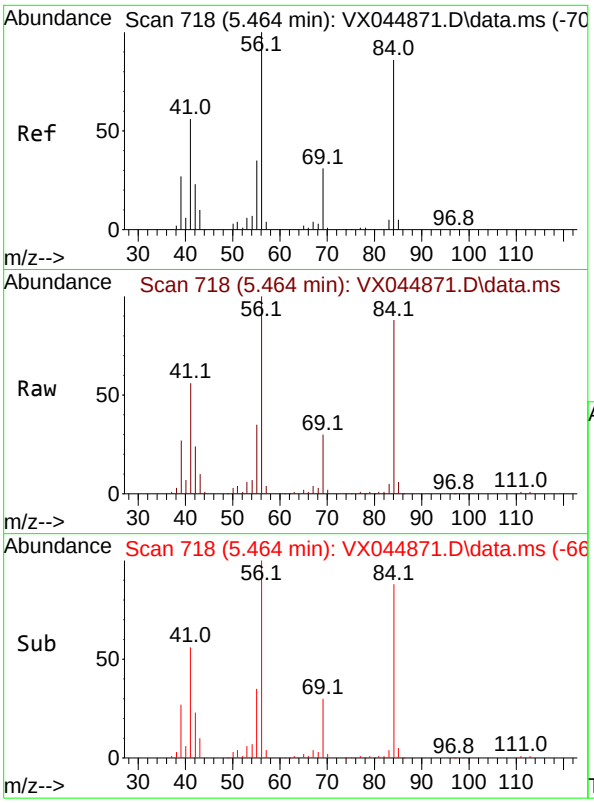


#30
Chloroform
Concen: 48.874 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 83 Resp: 149581

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1



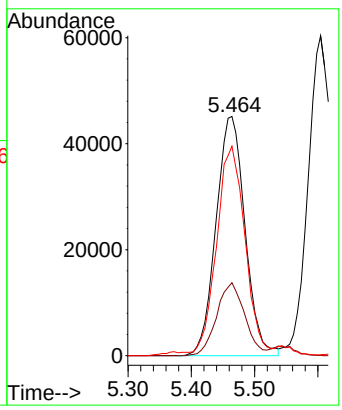


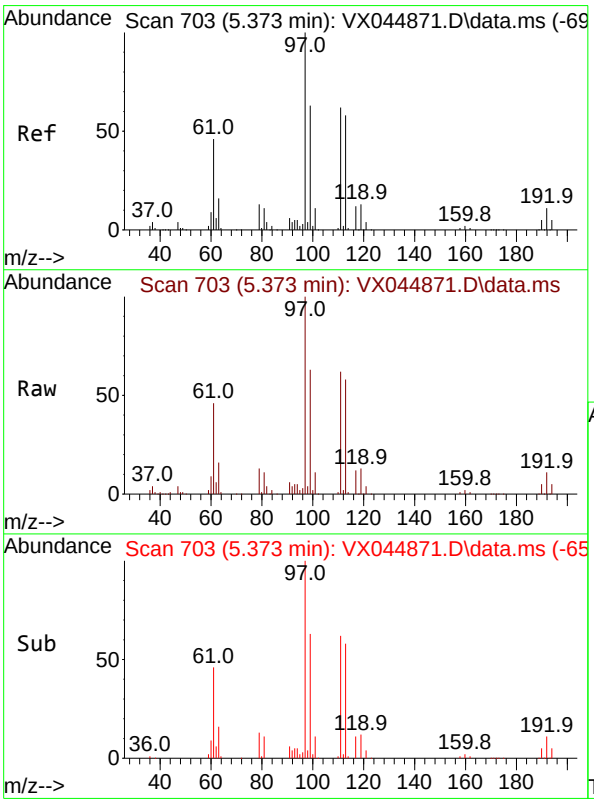
#31
Cyclohexane
Concen: 49.322 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 143500

Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	86.3	69.0	103.6

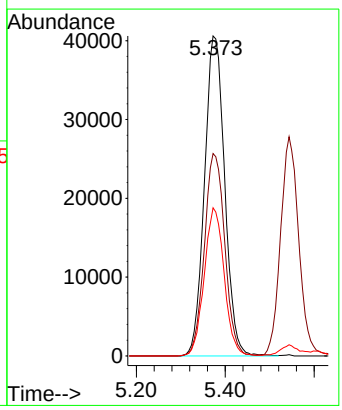


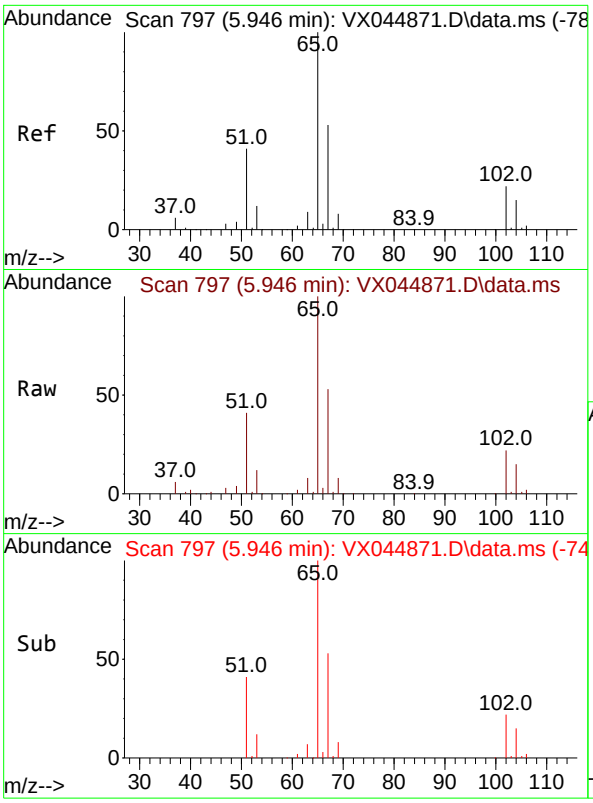


#32
1,1,1-Trichloroethane
Concen: 49.523 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 97 Resp: 128561

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.8	36.6	55.0



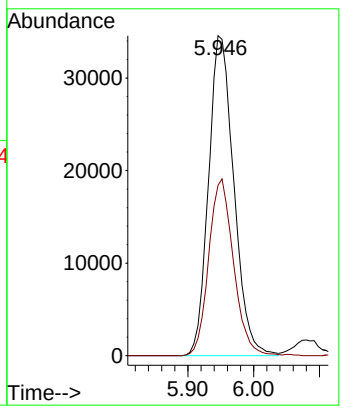


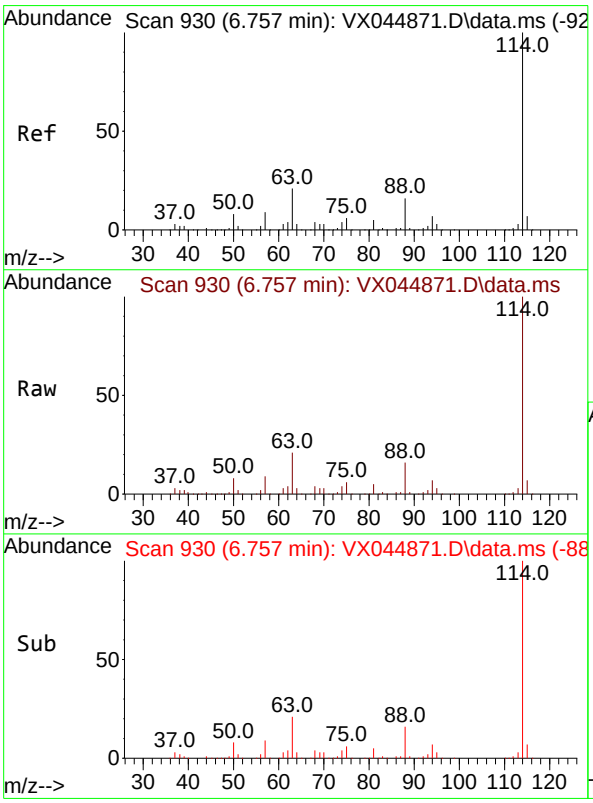
#33
1,2-Dichloroethane-d4
Concen: 49.424 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 92593

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	108.2

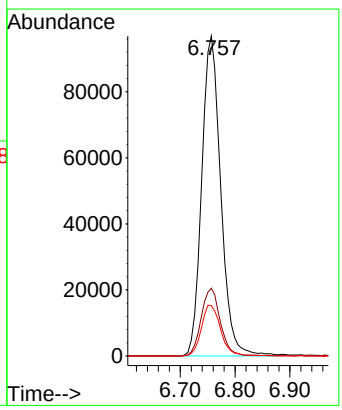


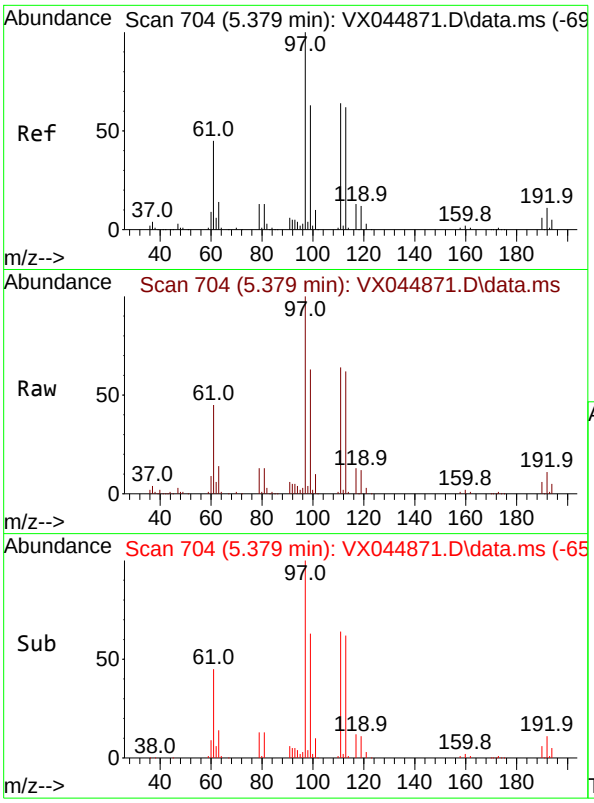


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:114 Resp: 233736

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	15.7	0.0	31.4



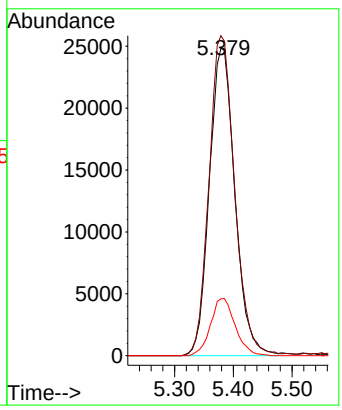


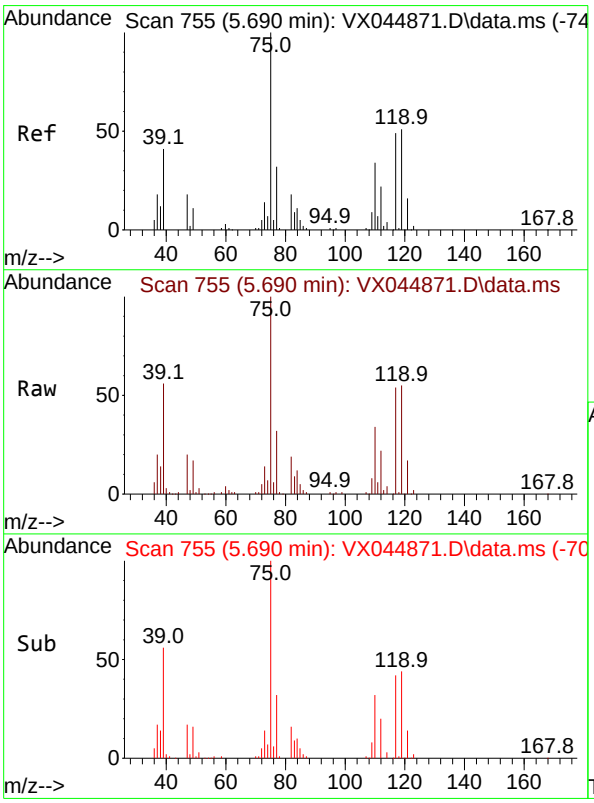
#35
Dibromofluoromethane
Concen: 49.291 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 74906

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	18.0	14.4	21.6

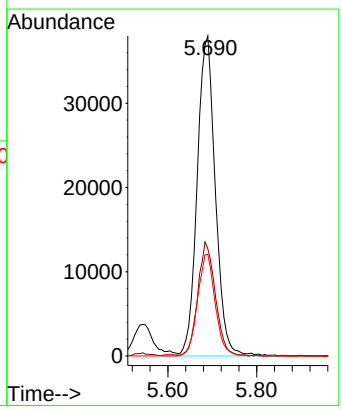


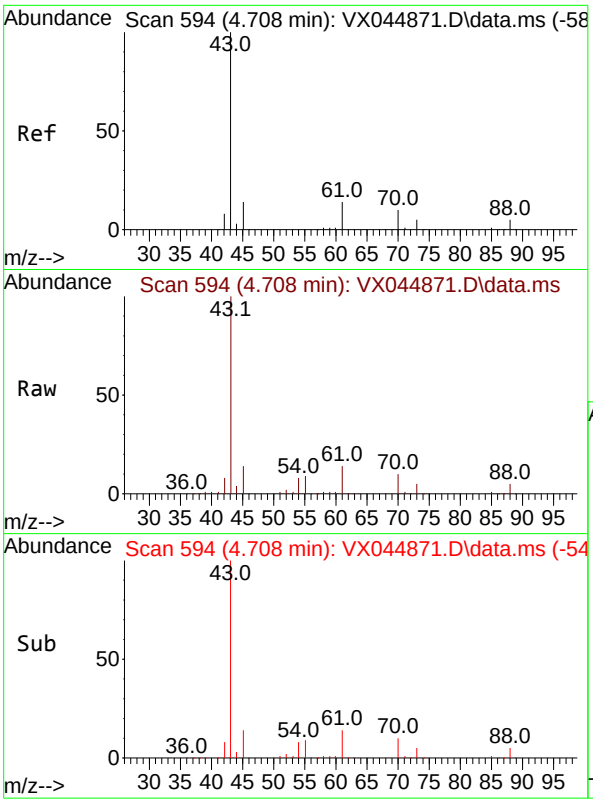


#36
1,1-Dichloropropene
Concen: 49.353 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 108206

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.8	24.6	37.0



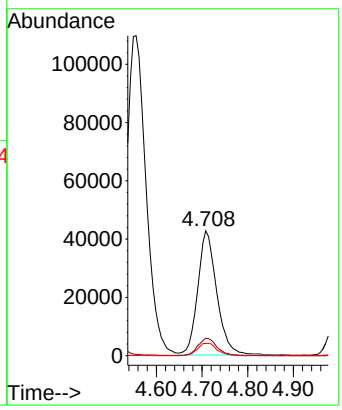


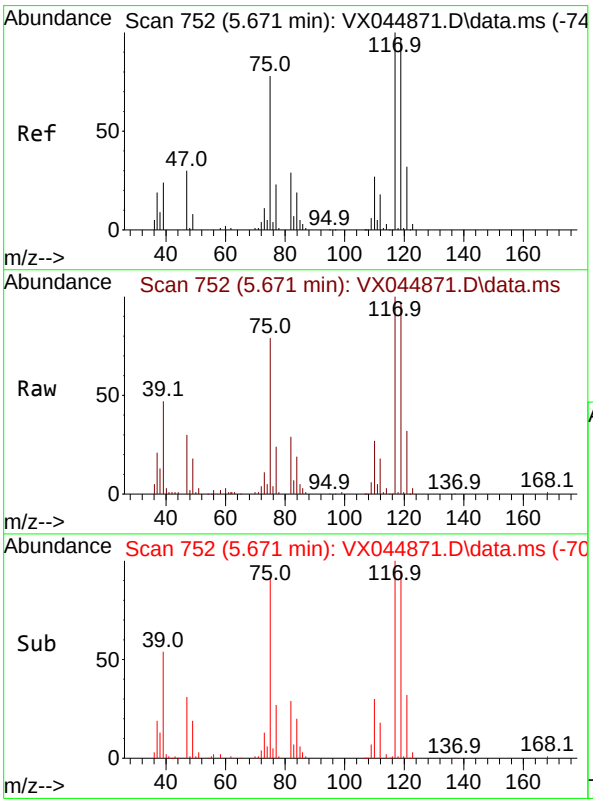
#37
Ethyl Acetate
Concen: 50.535 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 123238

Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.2	8.2	12.2

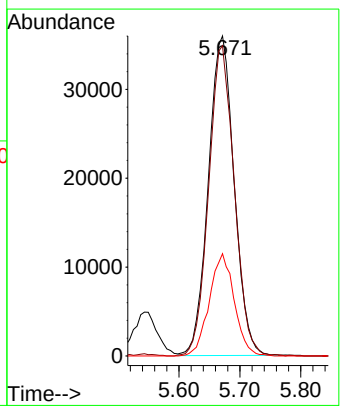


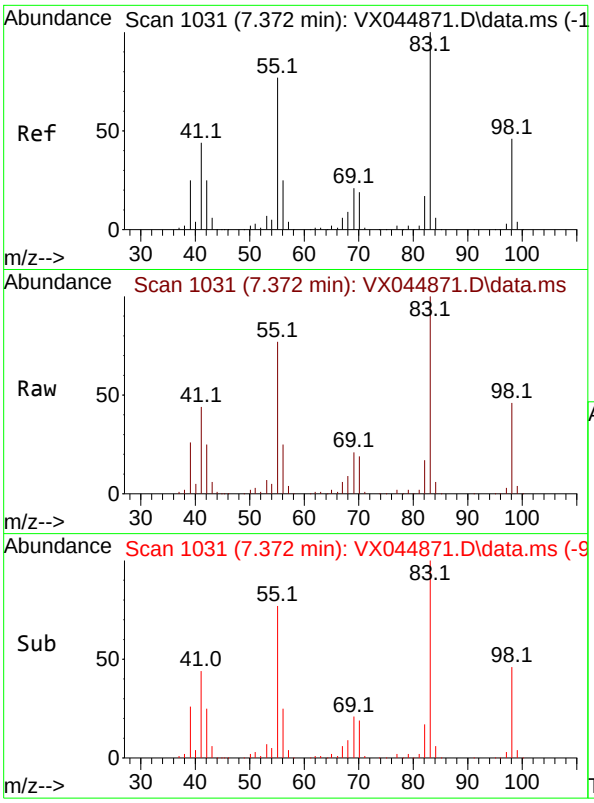


#38
Carbon Tetrachloride
Concen: 49.277 ug/l
RT: 5.671 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:117 Resp: 105873

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
121	32.0	25.6	38.4



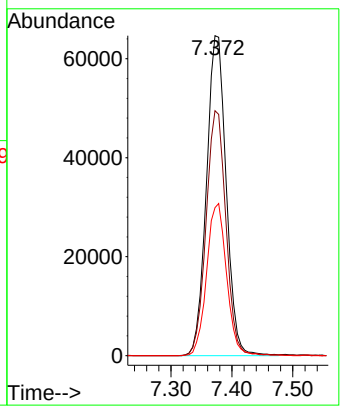


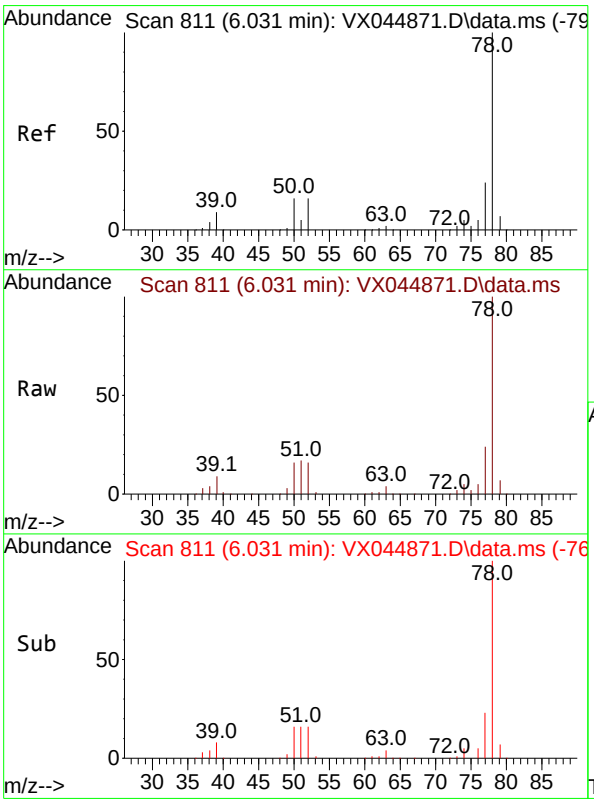
#39
Methylcyclohexane
Concen: 51.274 ug/l
RT: 7.372 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 145338

Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	46.3	37.0	55.6

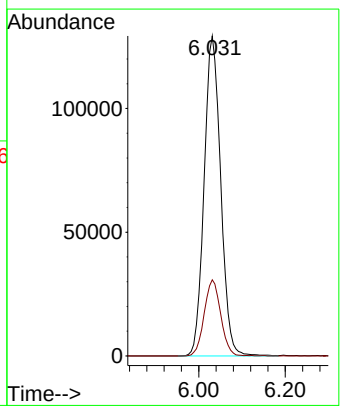


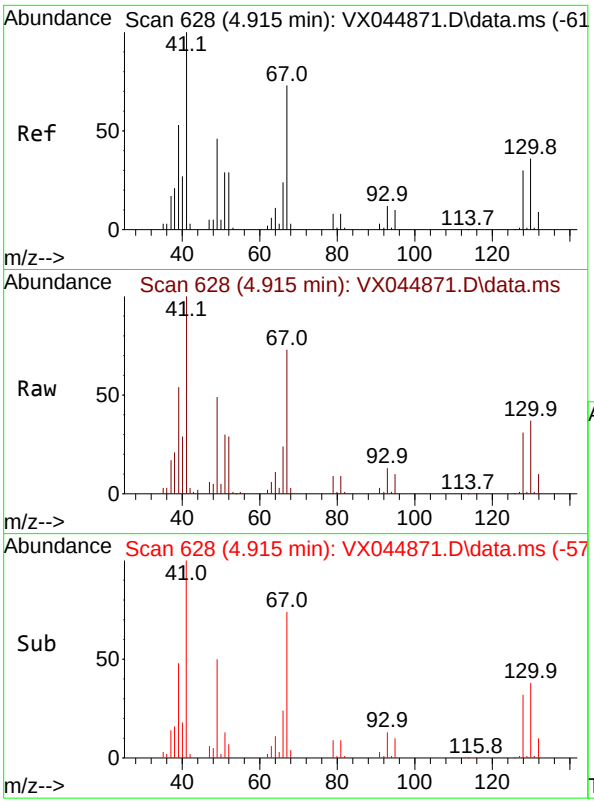


#40
Benzene
Concen: 50.182 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 78 Resp: 343557

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6



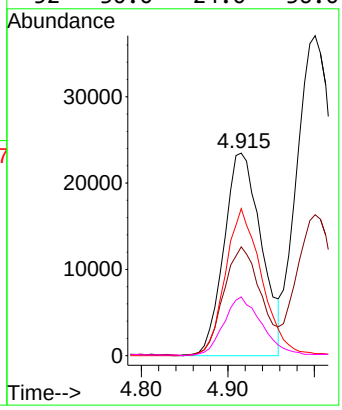


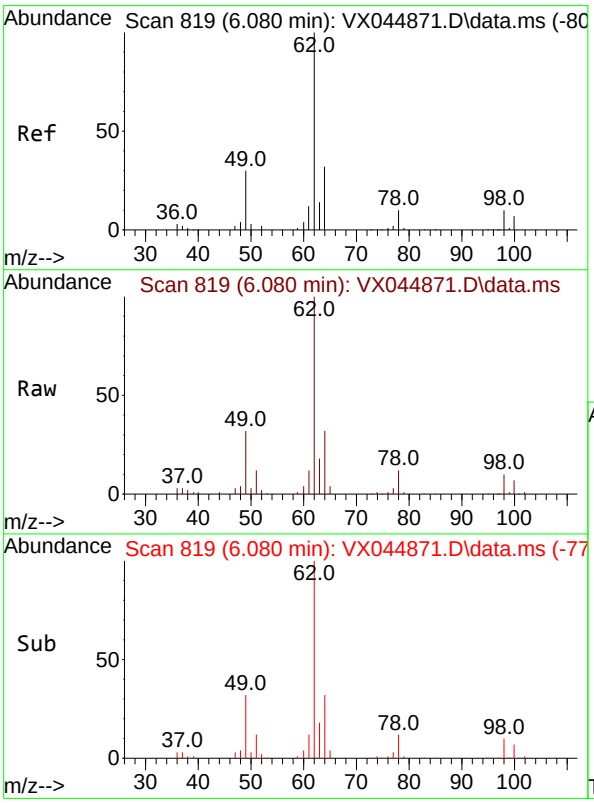
#41
Methacrylonitrile
Concen: 54.065 ug/l
RT: 4.915 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 70572

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	71.3	57.0	85.6
52	30.0	24.0	36.0

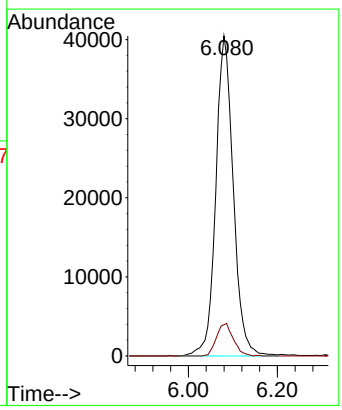


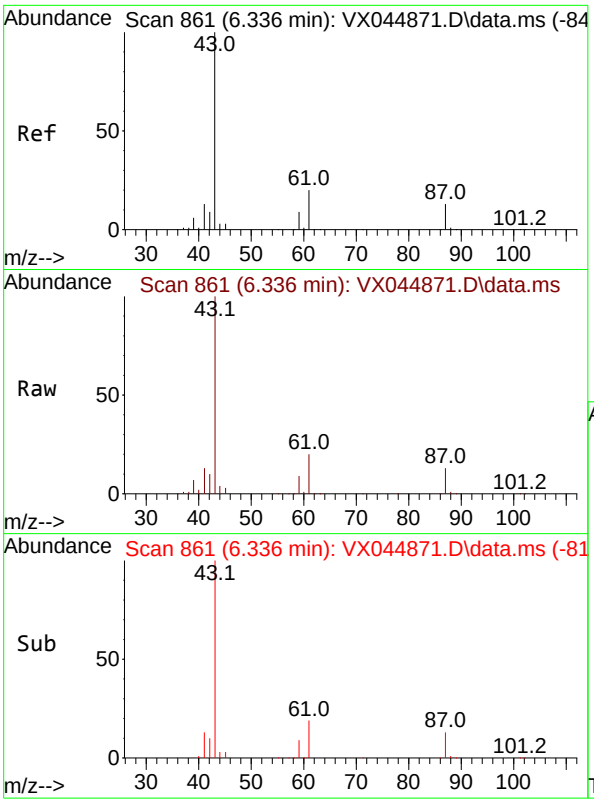


#42
1,2-Dichloroethane
Concen: 50.573 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 110347

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4



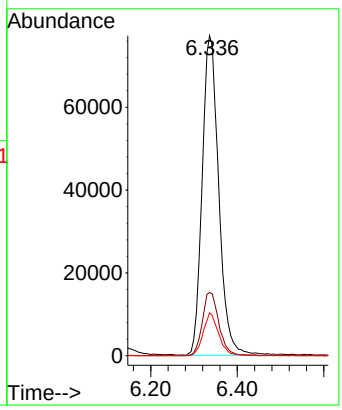


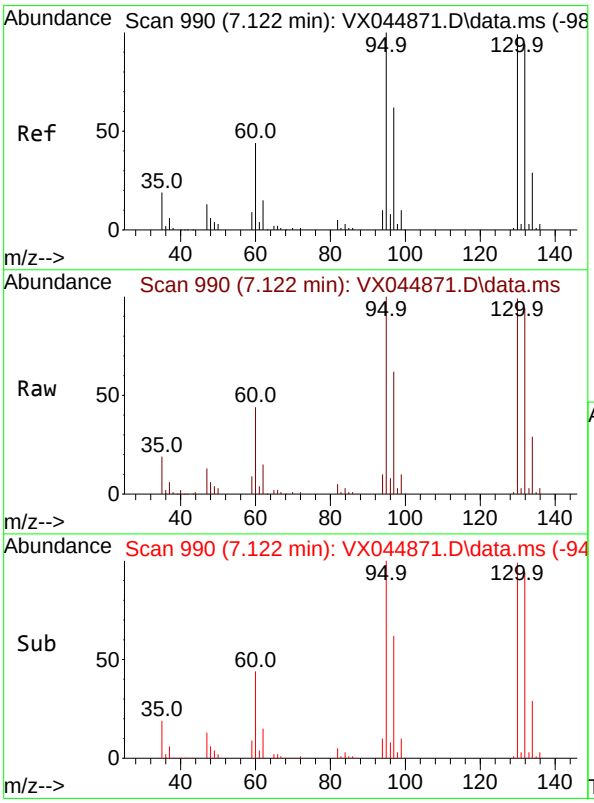
#43
Isopropyl Acetate
Concen: 51.981 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 204703

Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.8
87	12.5	10.0	15.0

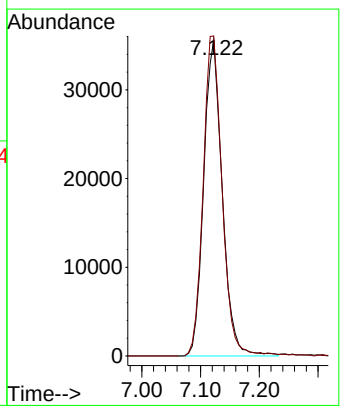


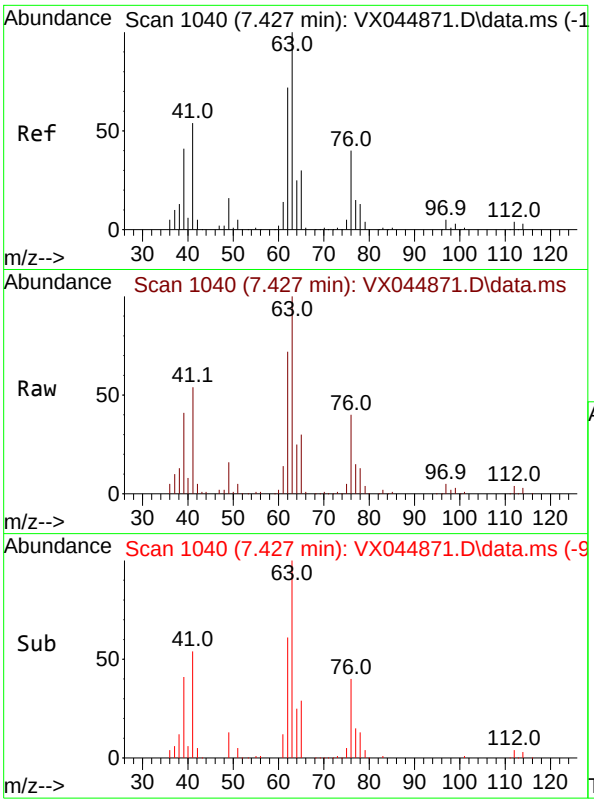


#44
Trichloroethene
Concen: 50.020 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:130 Resp: 78274

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	202.4



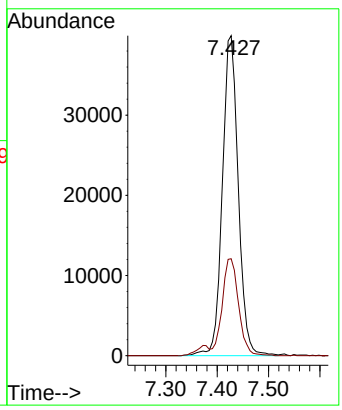


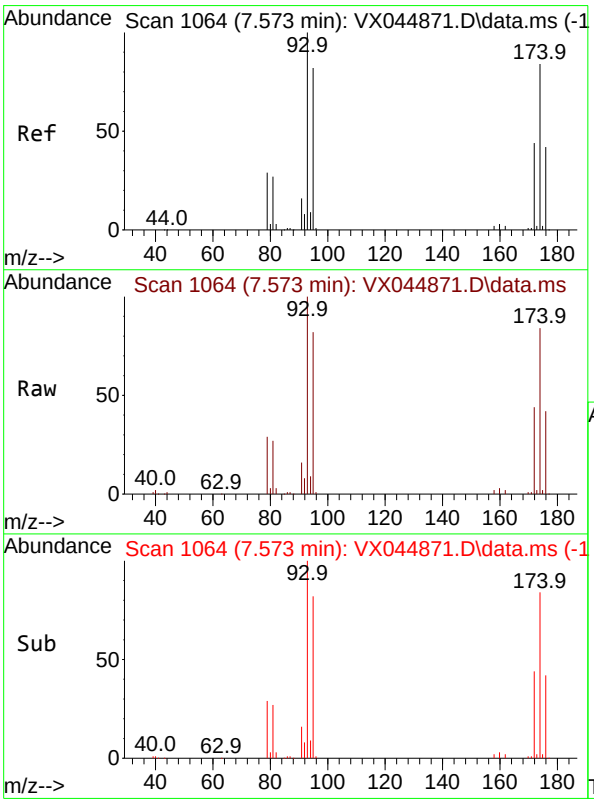
#45
1,2-Dichloropropane
Concen: 50.335 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 85733

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.4

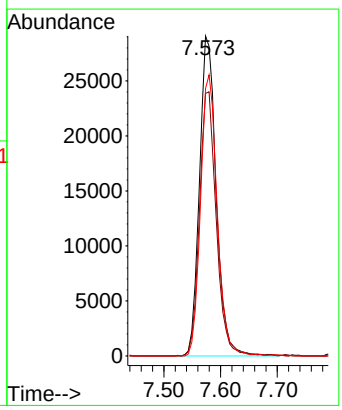


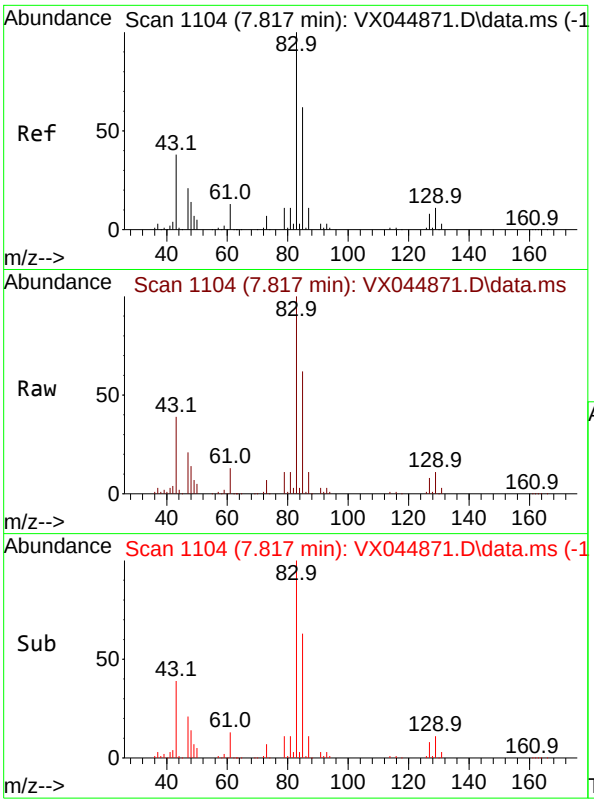


#46
Dibromomethane
Concen: 50.479 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 93 Resp: 59625

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	87.4	69.9	104.9



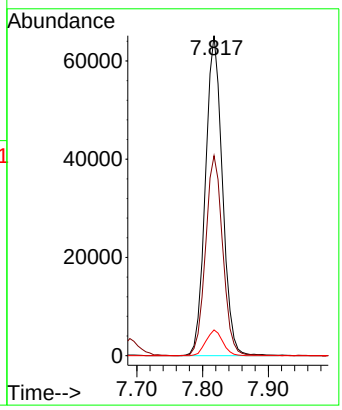


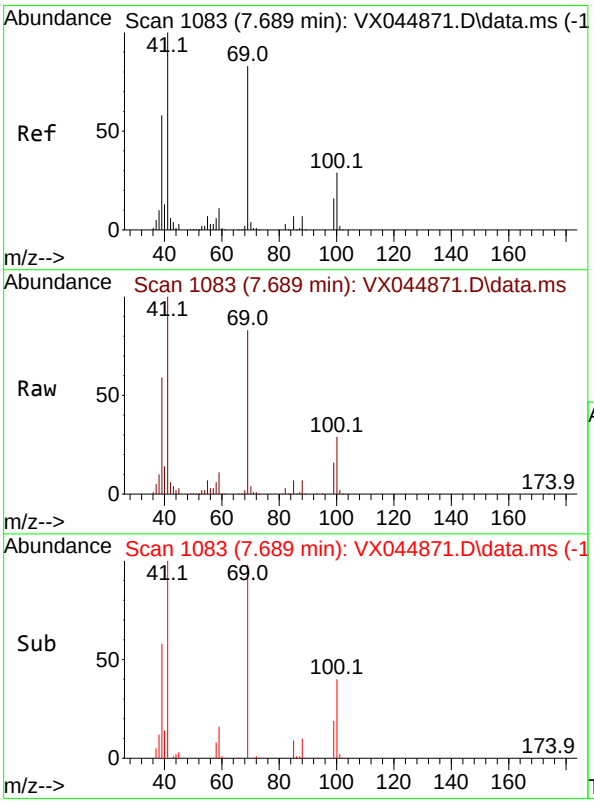
#47
Bromodichloromethane
Concen: 51.108 ug/l
RT: 7.817 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 116892

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.0	75.0
127	8.0	6.4	9.6

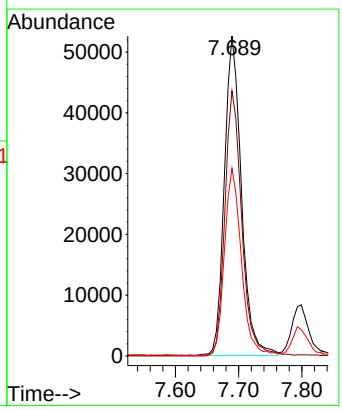


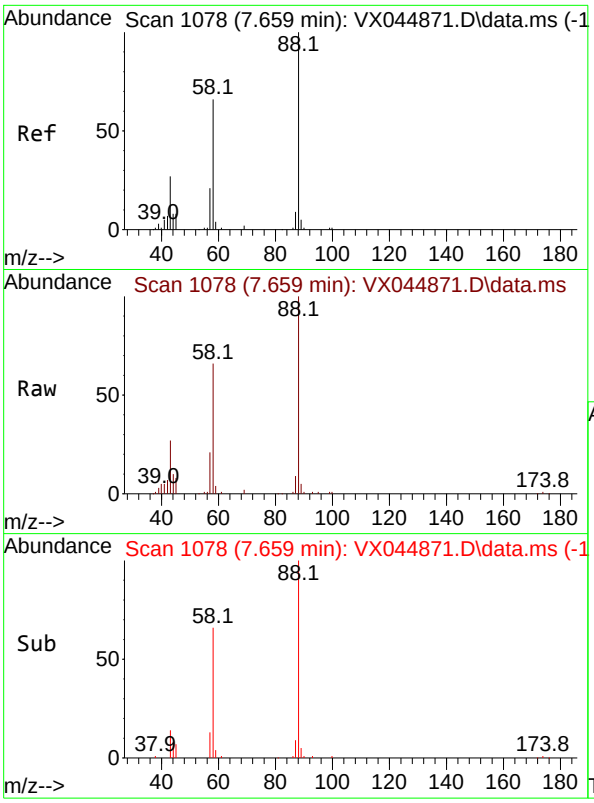


#48
Methyl methacrylate
Concen: 53.057 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 98519

Ion	Ratio	Lower	Upper
41	100		
69	82.3	65.8	98.8
39	58.0	46.4	69.6



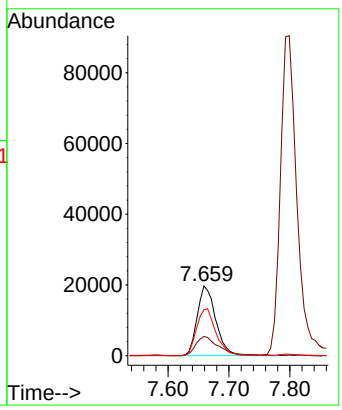


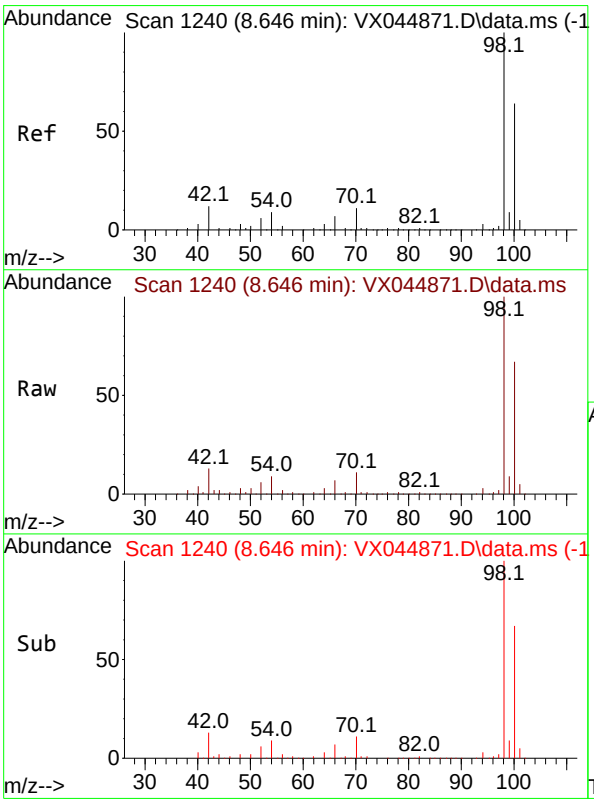
#49
1,4-Dioxane
Concen: 1056.618 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 42094

Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	39.8
58	69.9	55.9	83.9

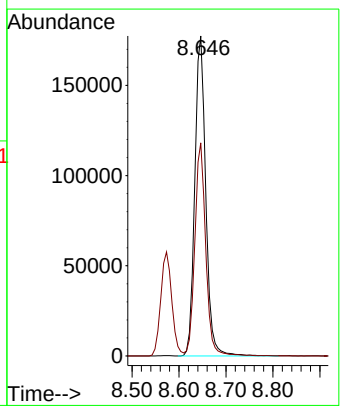


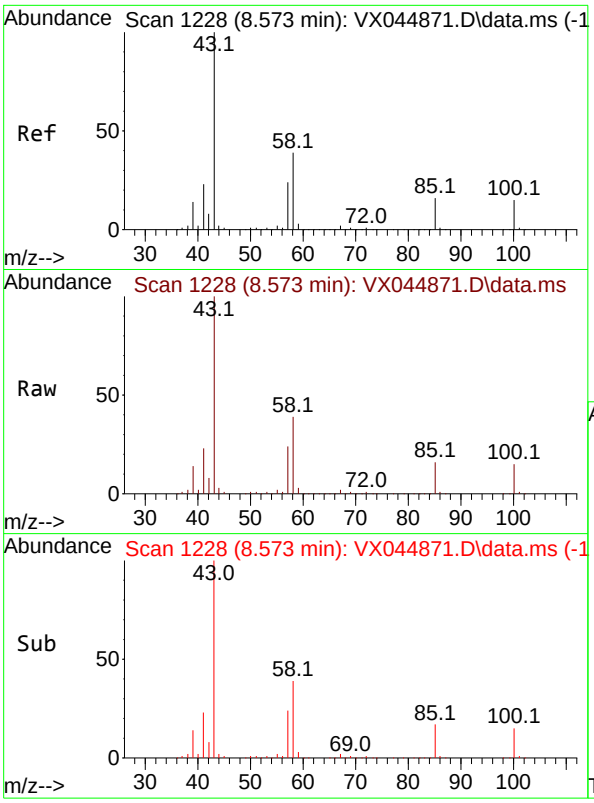


#50
Toluene-d8
Concen: 50.392 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 98 Resp: 289575

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1



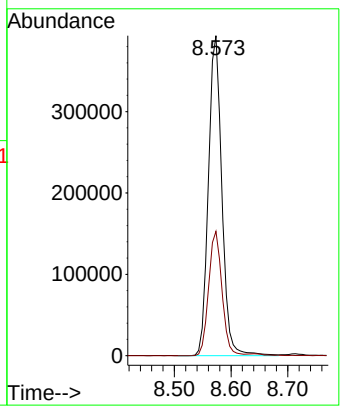


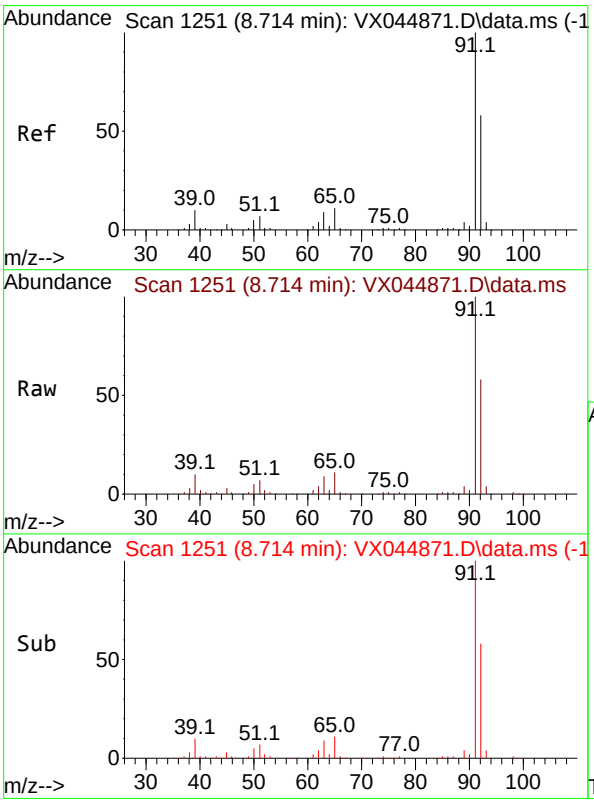
#51
4-Methyl-2-Pentanone
Concen: 270.364 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 647283

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.8	46.2

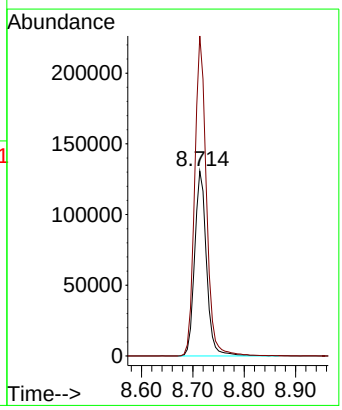


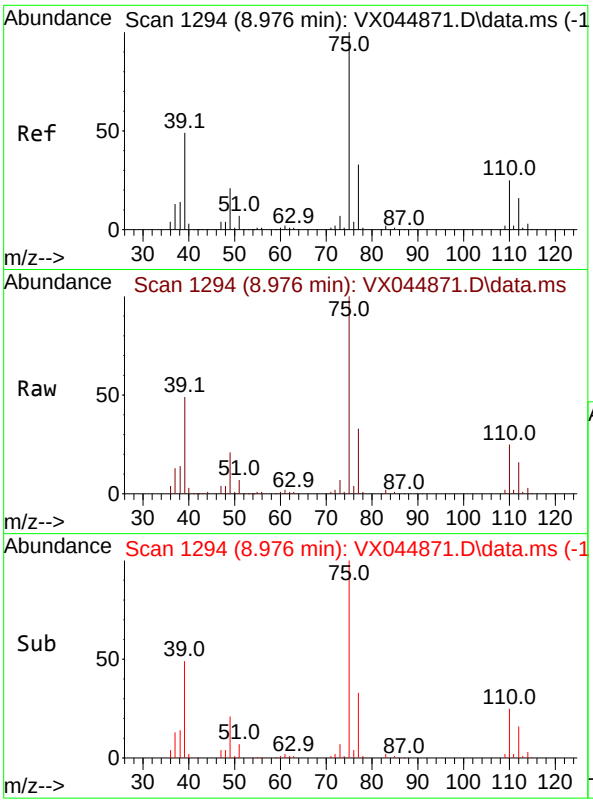


#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 92 Resp: 210007

Ion	Ratio	Lower	Upper
92	100		
91	171.8	137.4	206.2



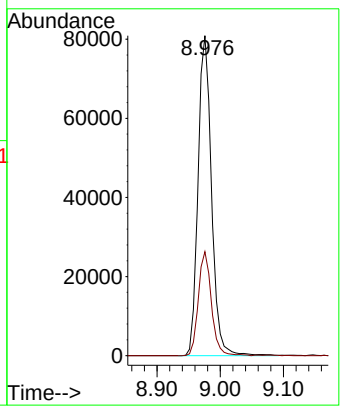


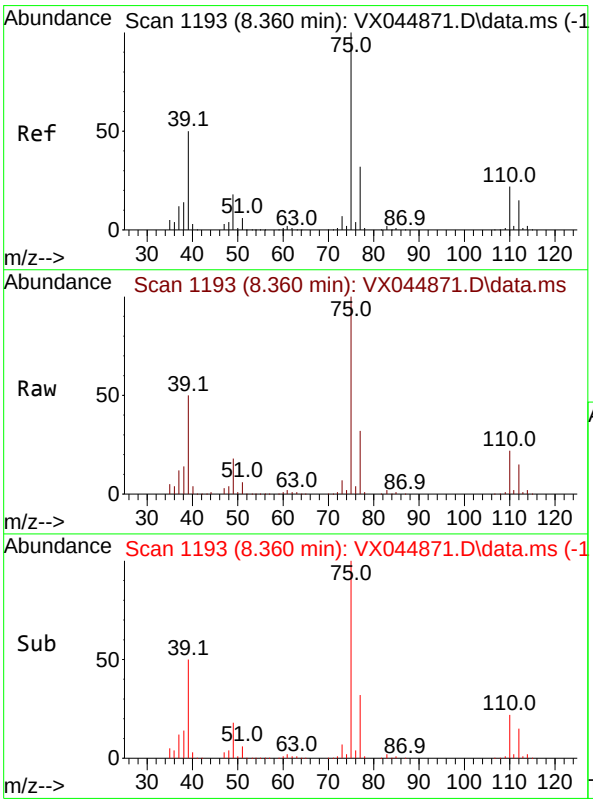
#53
t-1,3-Dichloropropene
Concen: 51.902 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 120125

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.0	39.0

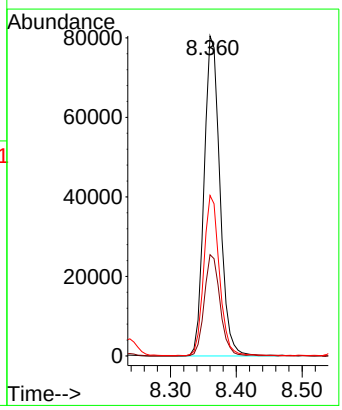


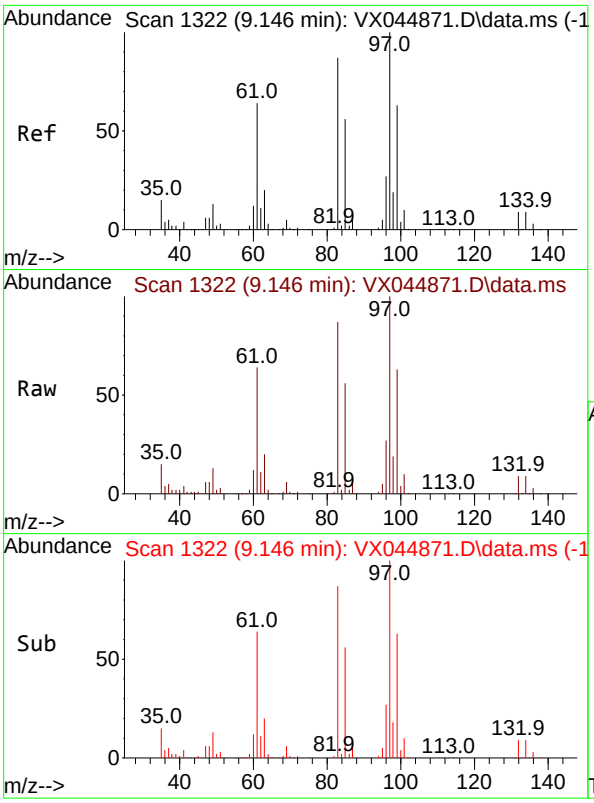


#54
cis-1,3-Dichloropropene
Concen: 52.223 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 134763

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	50.0	40.0	60.0



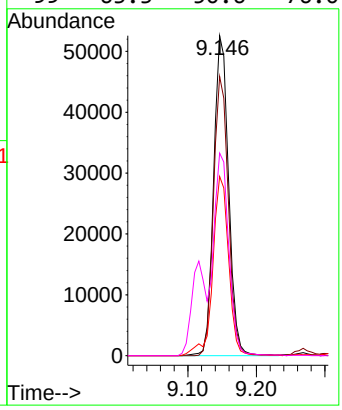


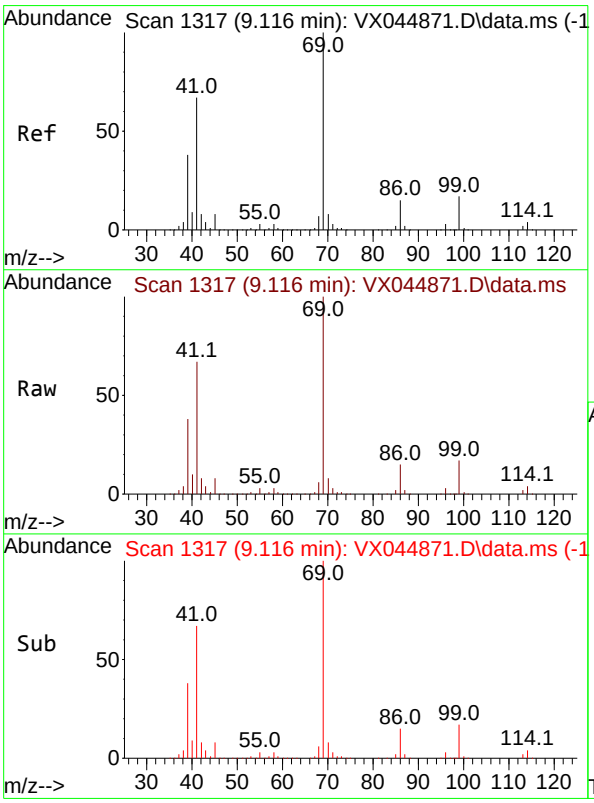
#55
1,1,2-Trichloroethane
Concen: 50.876 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 79741

Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.8	104.6
85	56.0	44.8	67.2
99	63.3	50.6	76.0

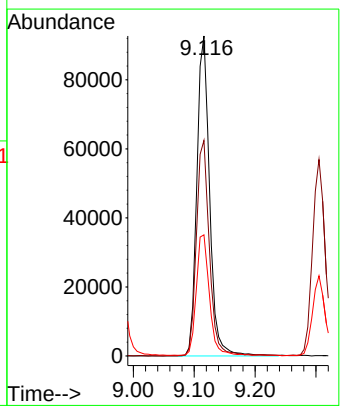


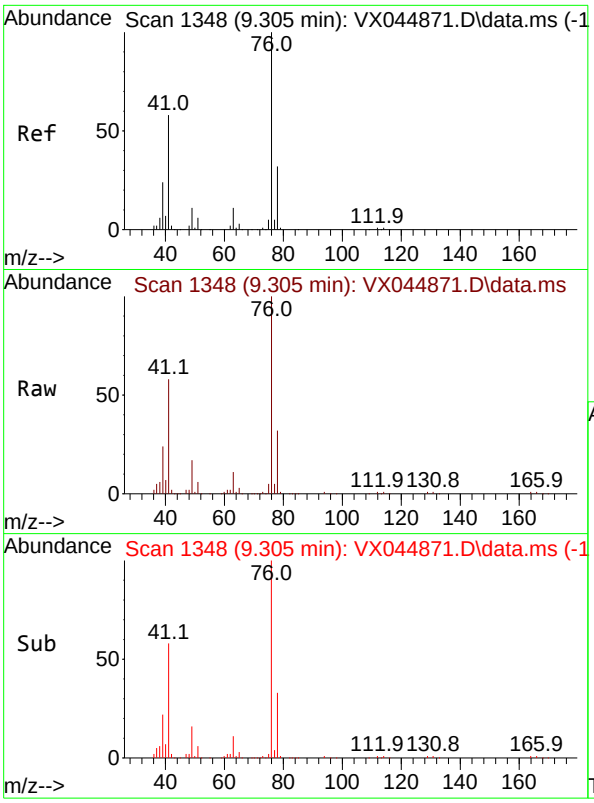


#56
Ethyl methacrylate
Concen: 53.319 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 69 Resp: 134975

Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.2	82.8
39	38.5	30.8	46.2



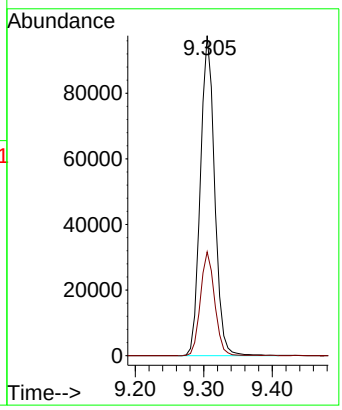


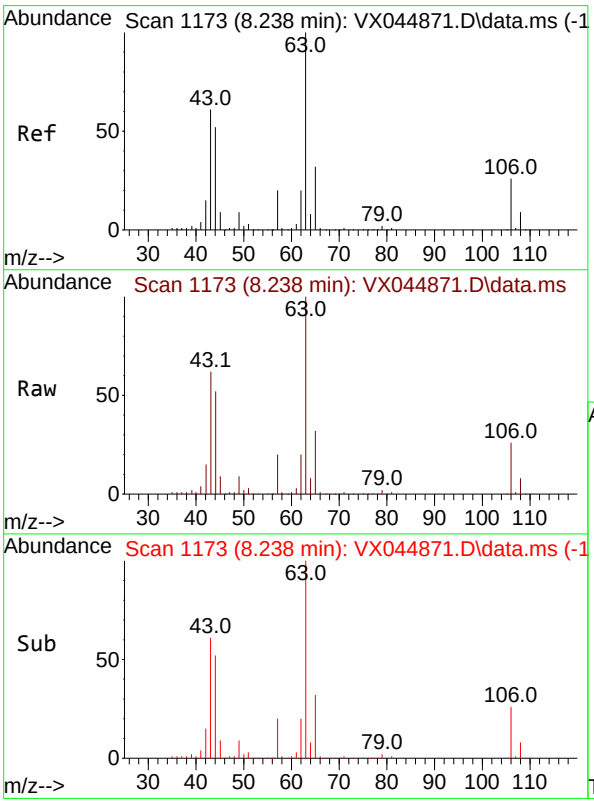
#57
1,3-Dichloropropane
Concen: 51.537 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 141335

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

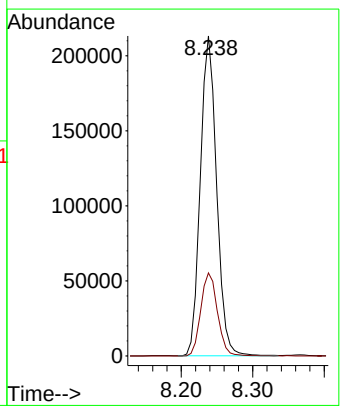


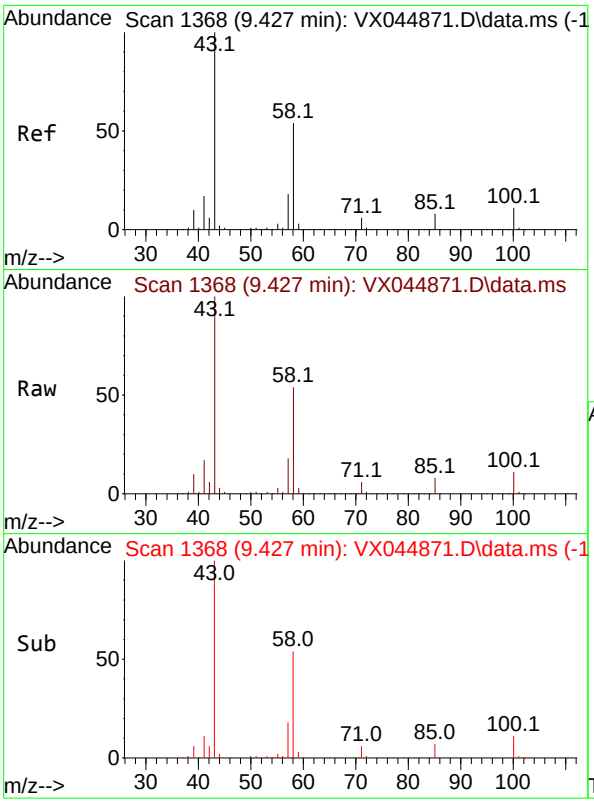


#58
2-Chloroethyl Vinyl ether
Concen: 270.652 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 336412

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9



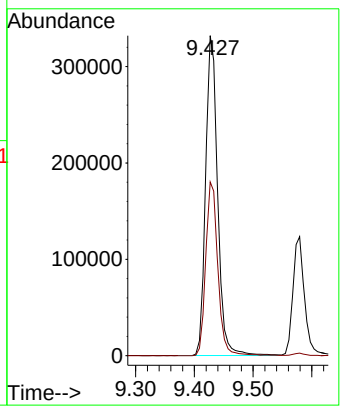


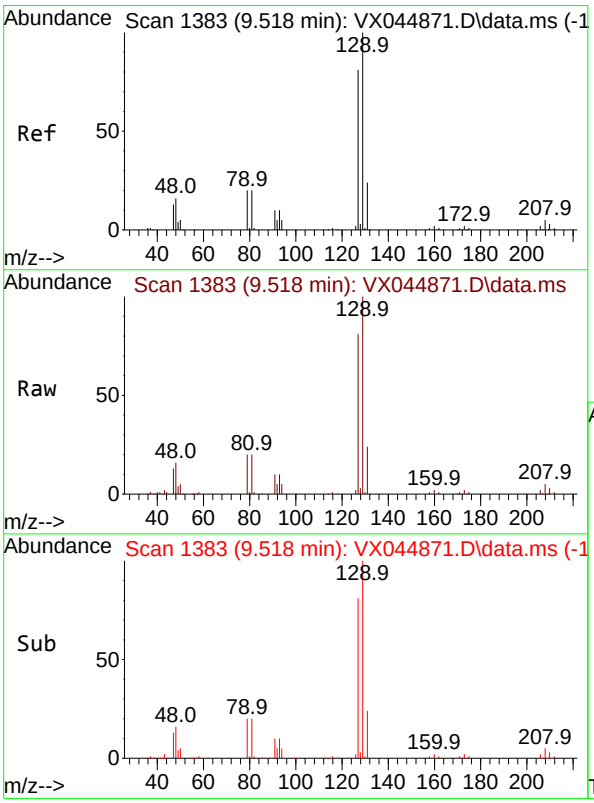
#59
2-Hexanone
Concen: 273.800 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 472301

Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.5	82.4

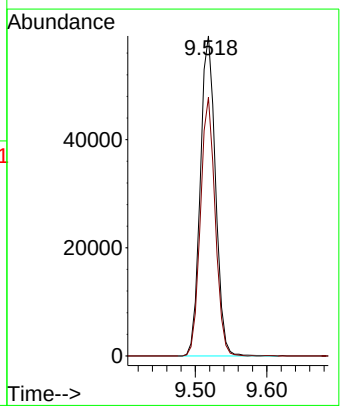


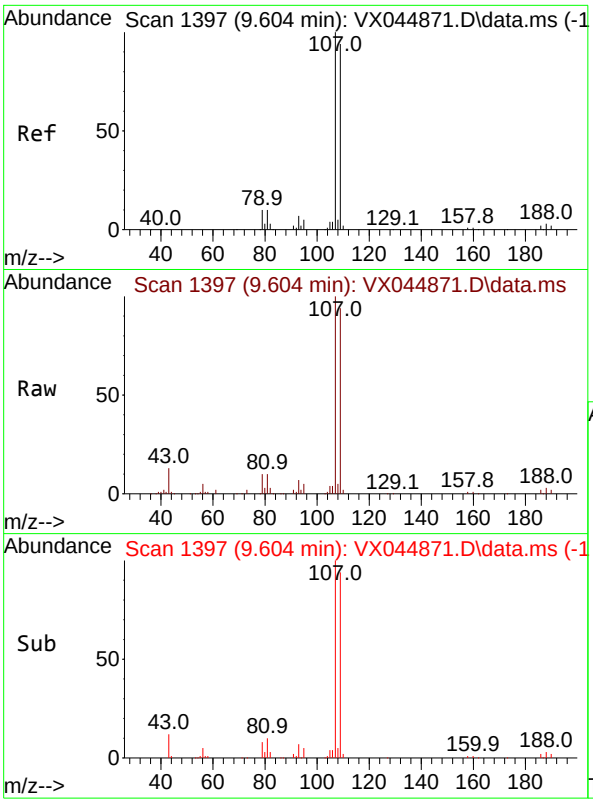


#60
Dibromochloromethane
Concen: 52.045 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:129 Resp: 87240

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3



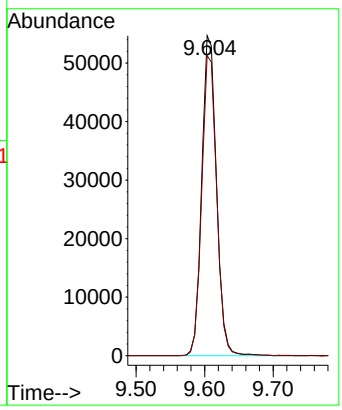


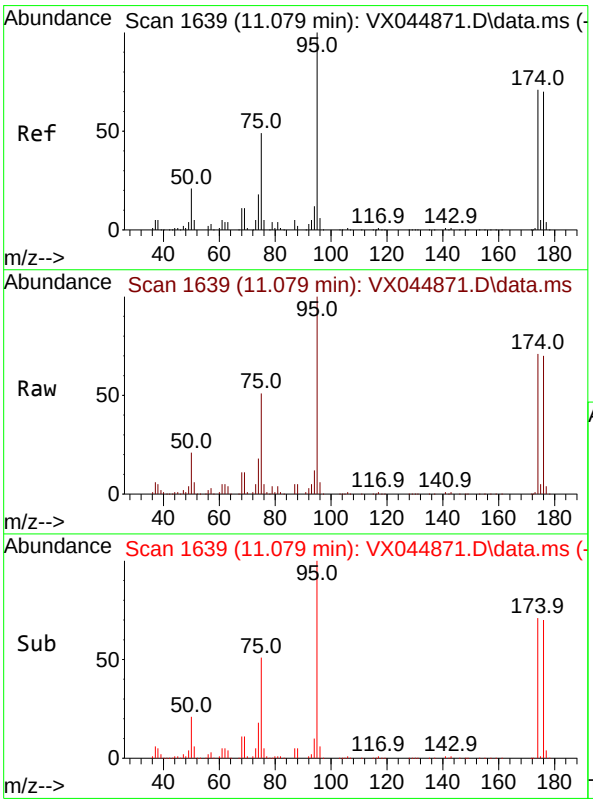
#61
1,2-Dibromoethane
Concen: 51.564 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 81915

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

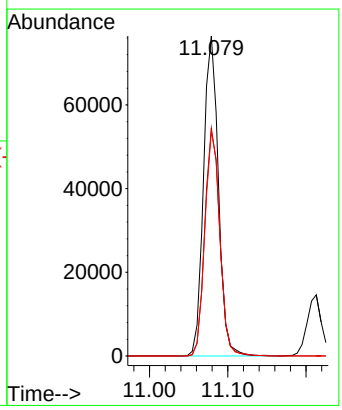


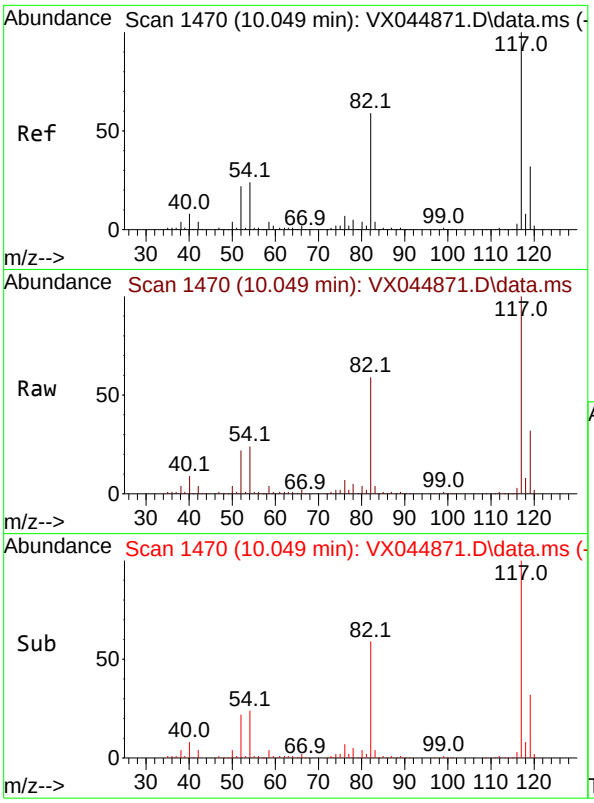


#62
4-Bromofluorobenzene
Concen: 52.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 95 Resp: 100798

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	142.6
176	70.8	0.0	141.6



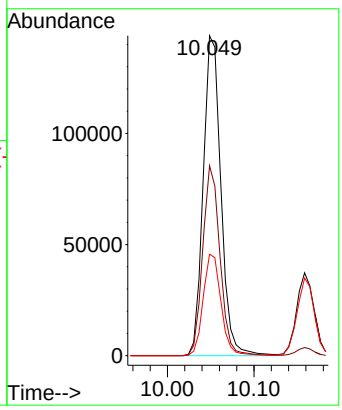


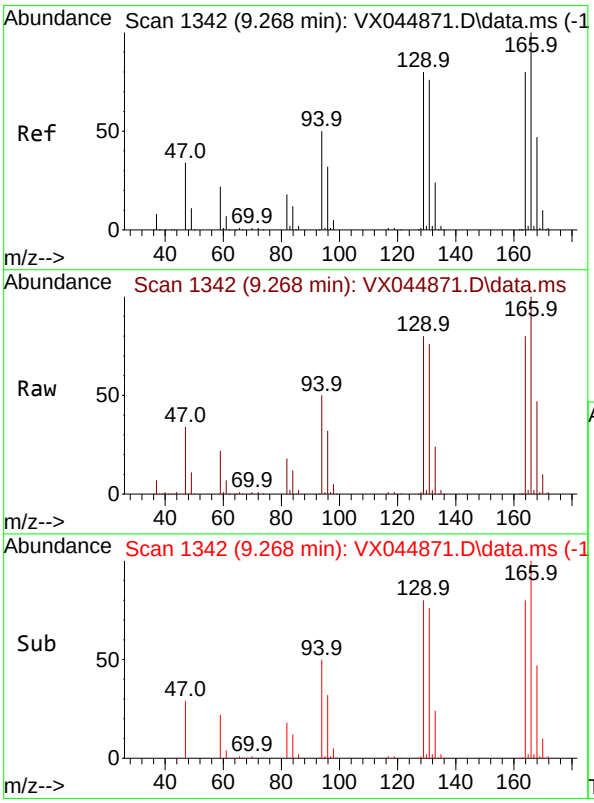
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 204751

Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.5	71.3
119	31.7	25.4	38.0

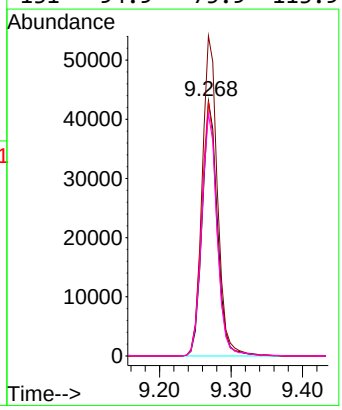


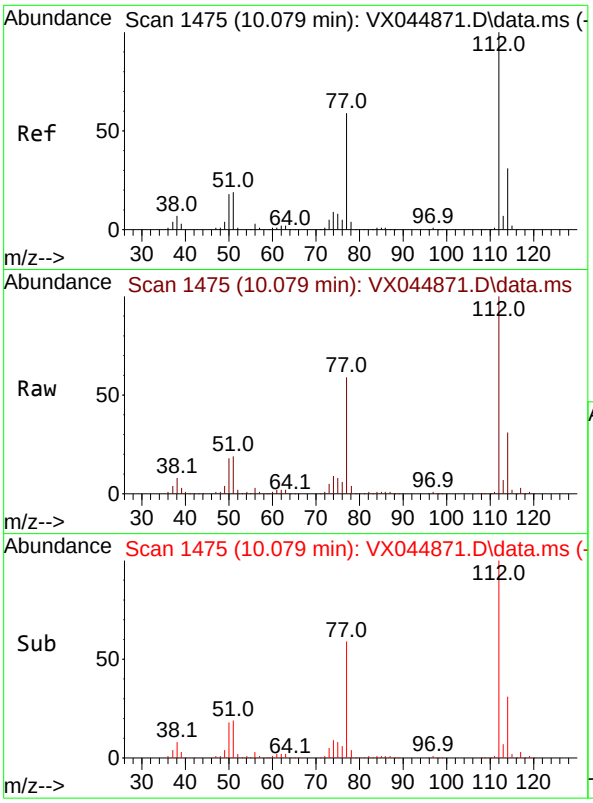


#64
Tetrachloroethene
Concen: 49.206 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:164 Resp: 63537

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	99.9	79.9	119.9
131	94.9	75.9	113.9



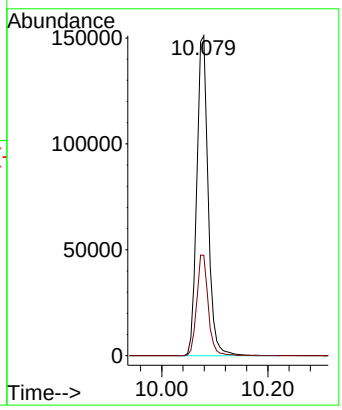


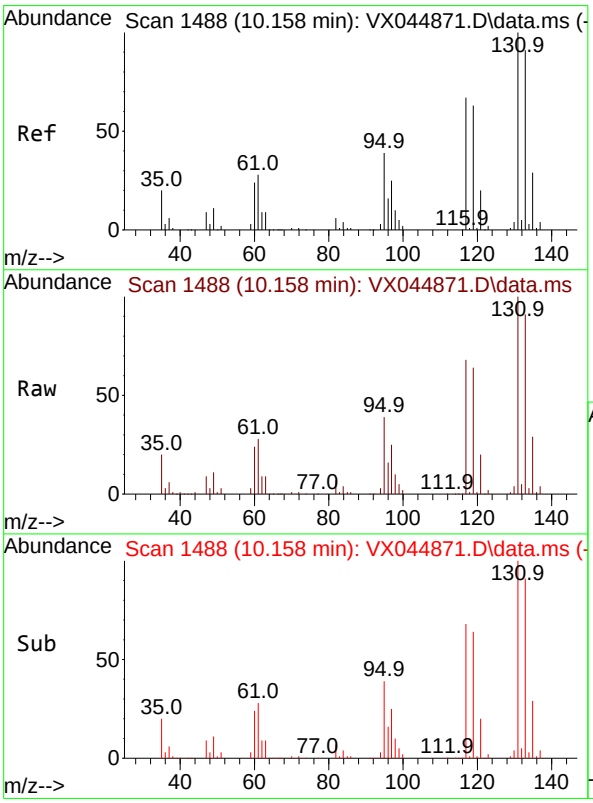
#65
Chlorobenzene
Concen: 51.005 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 224306

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

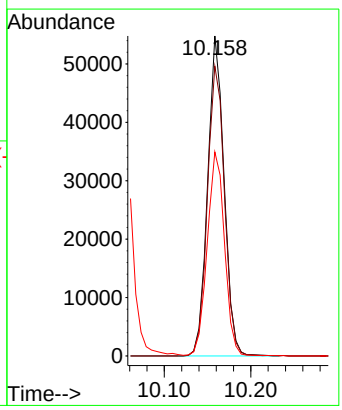


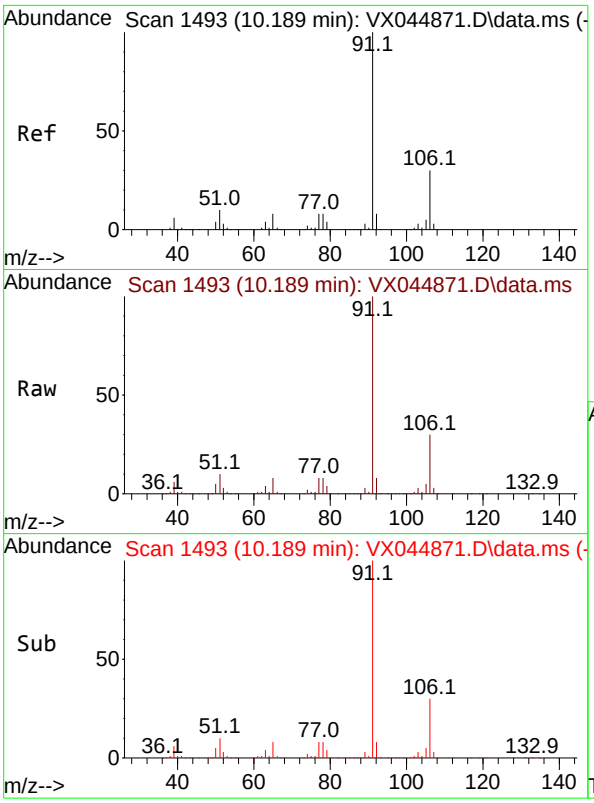


#66
1,1,1,2-Tetrachloroethane
Concen: 51.203 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:131 Resp: 72478

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.1	141.3
119	67.1	33.6	100.6



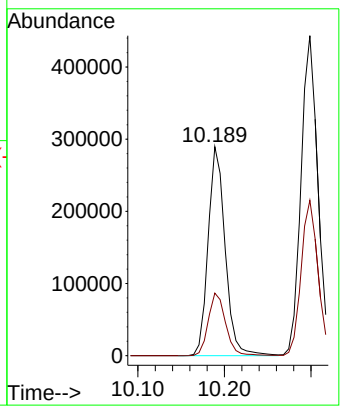


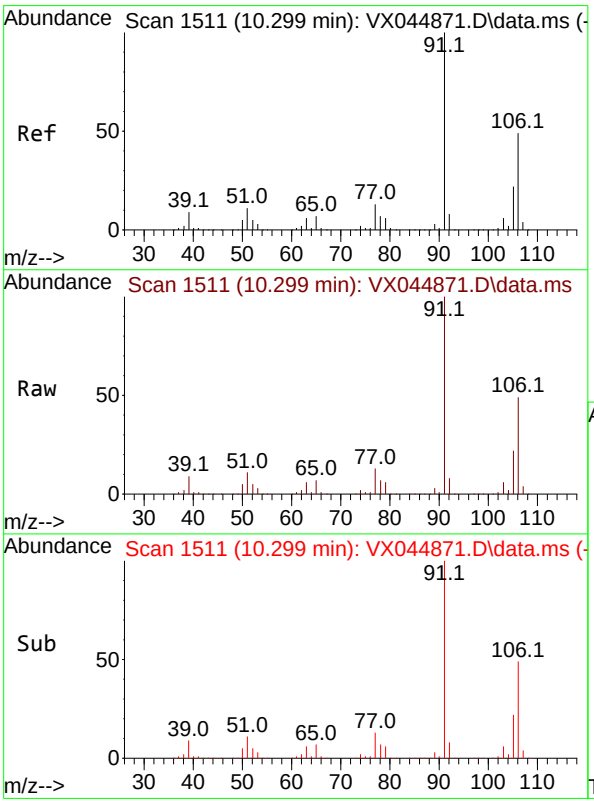
#67
Ethyl Benzene
Concen: 51.061 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 396269

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

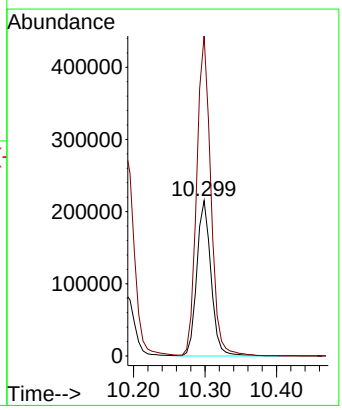


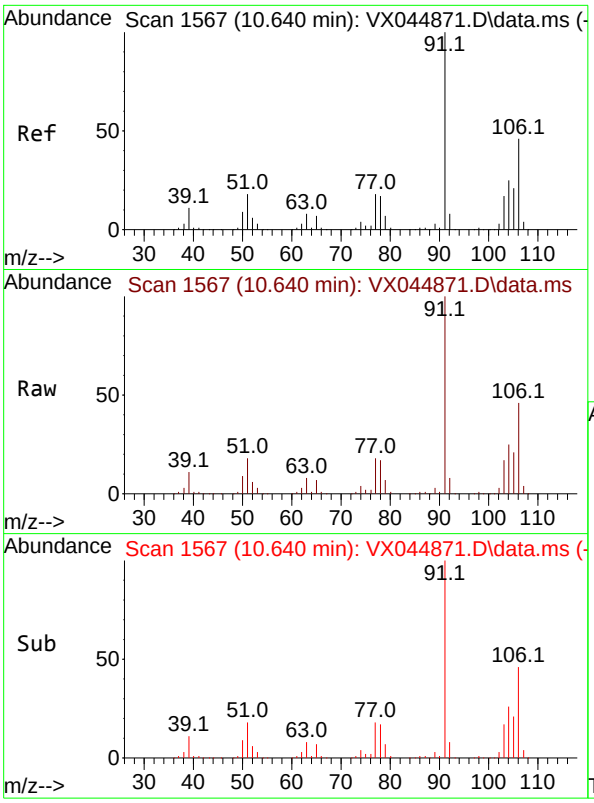


#68
m/p-Xylenes
Concen: 103.573 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:106 Resp: 296507

Ion	Ratio	Lower	Upper
106	100		
91	205.4	164.3	246.5



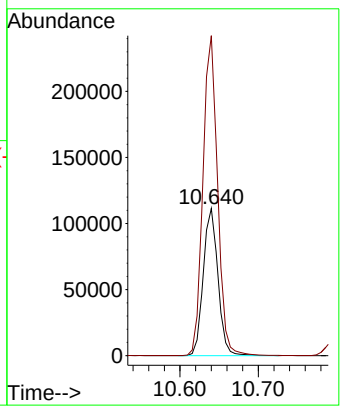


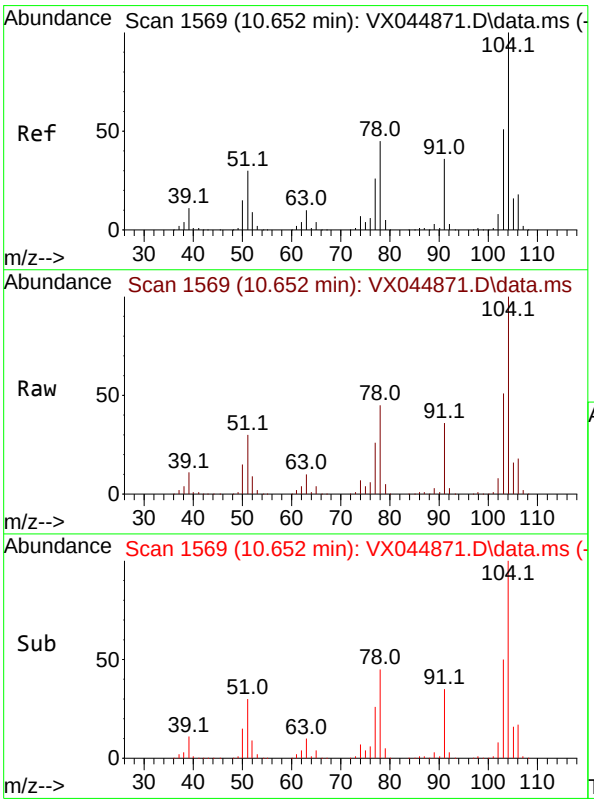
#69
o-Xylene
Concen: 50.409 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 144802

Ion	Ratio	Lower	Upper
106	100		
91	217.0	108.5	325.5

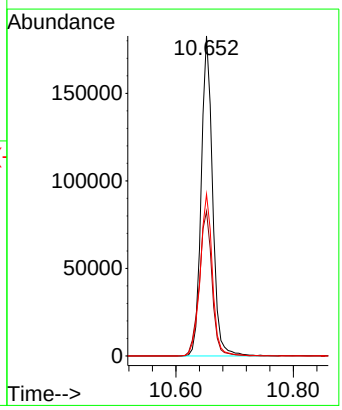


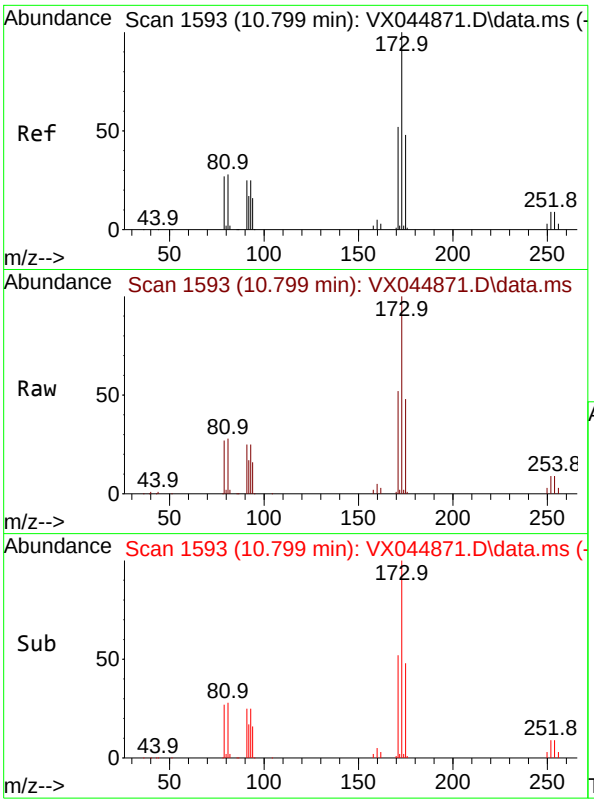


#70
Styrene
Concen: 53.051 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:104 Resp: 245518

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.5	60.7
103	54.5	43.6	65.4



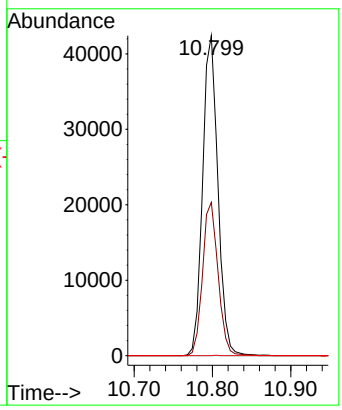


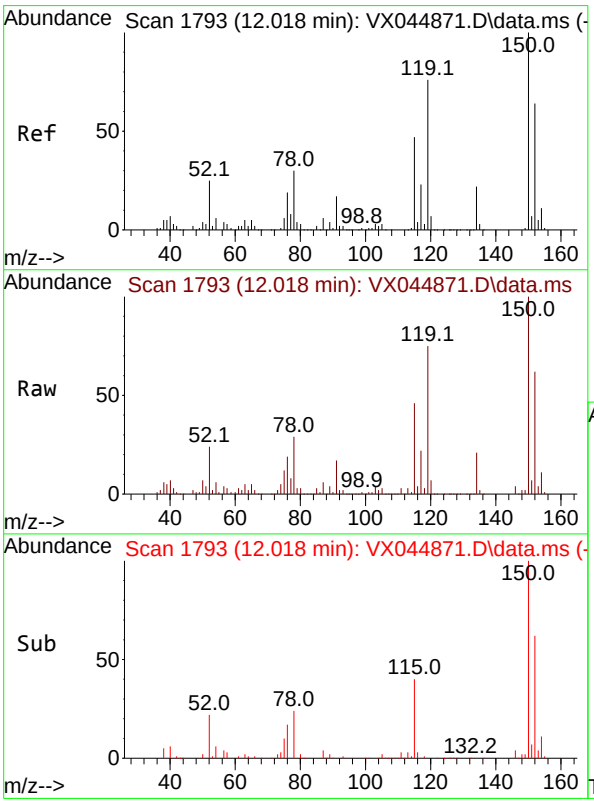
#71
Bromoform
Concen: 54.352 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 57417

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0#

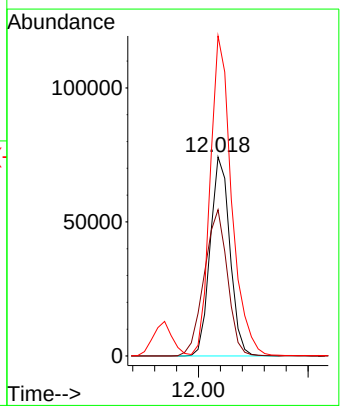


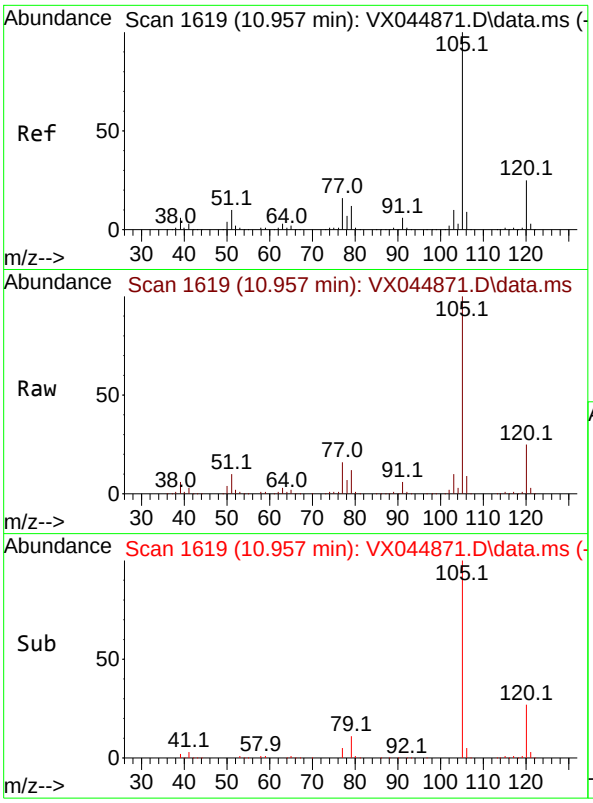


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:152 Resp: 92648

Ion	Ratio	Lower	Upper
152	100		
115	86.7	43.4	130.1
150	175.2	0.0	350.4



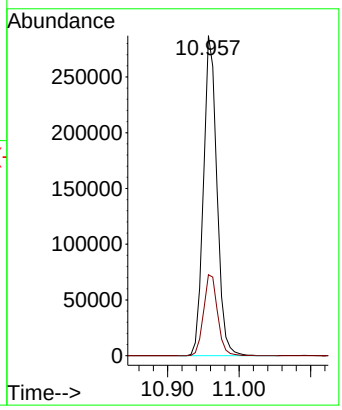


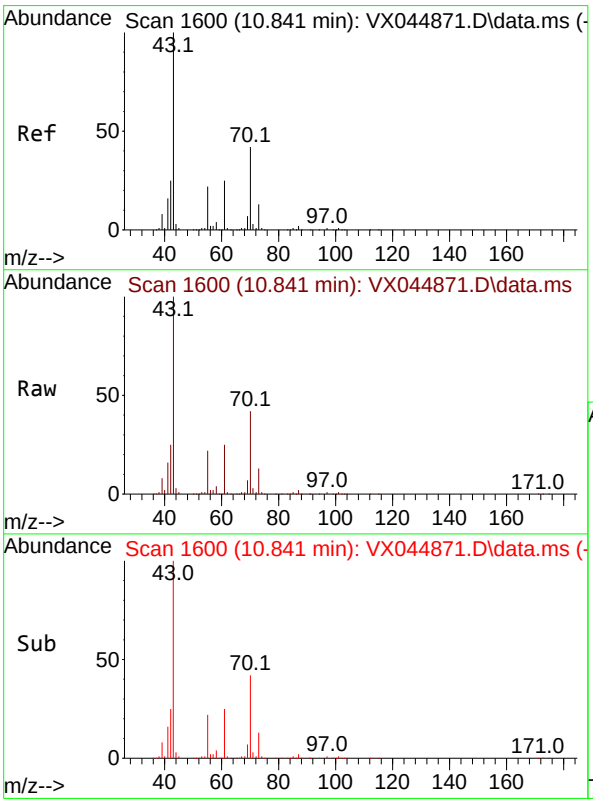
#73
Isopropylbenzene
Concen: 50.239 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 374776

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

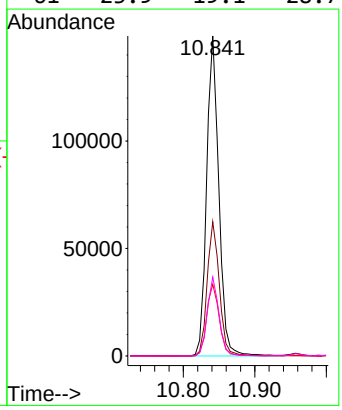


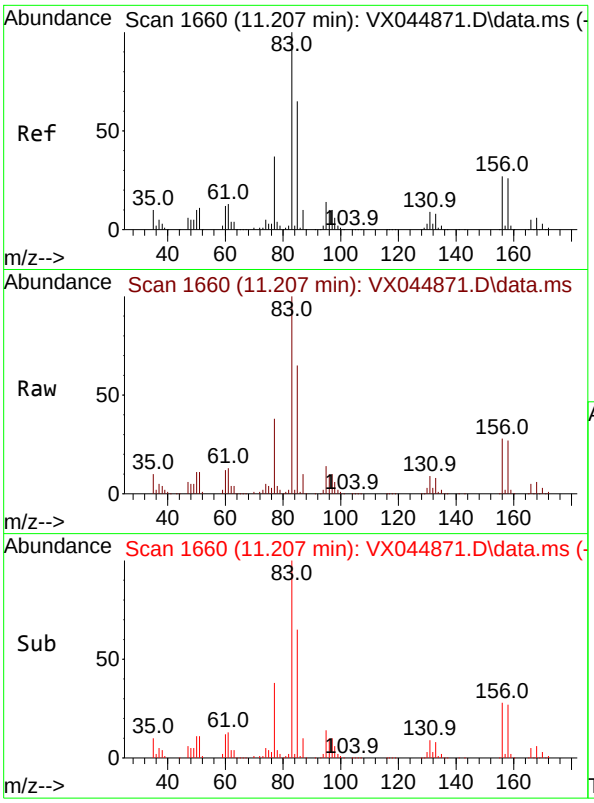


#74
N-amyl acetate
Concen: 52.189 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 176174

Ion	Ratio	Lower	Upper
43	100		
70	42.1	33.7	50.5
55	23.2	18.6	27.8
61	23.9	19.1	28.7



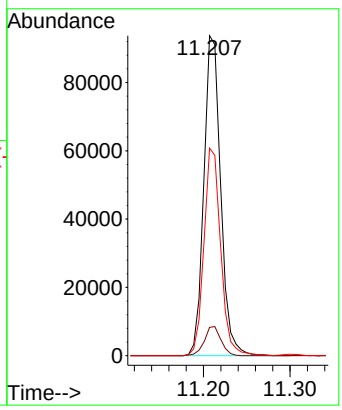


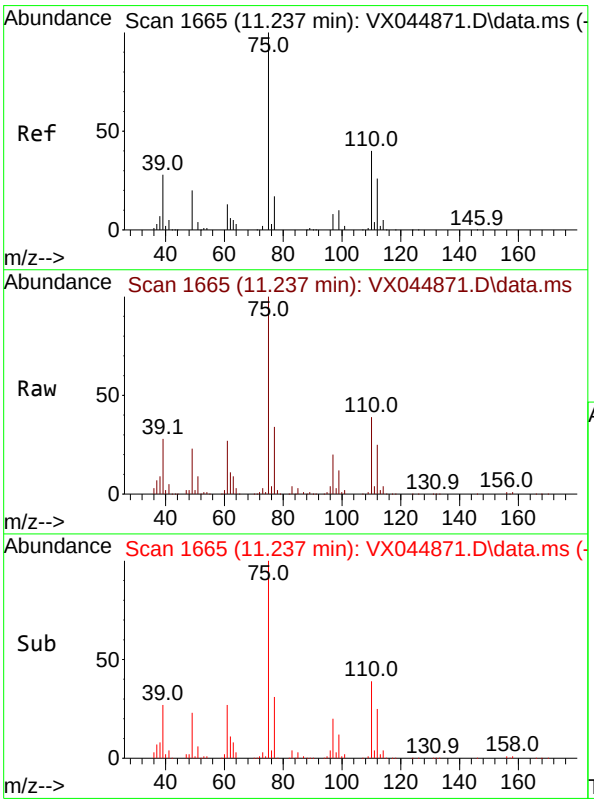
#75
1,1,2,2-Tetrachloroethane
Concen: 49.364 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 126542

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.5
85	64.5	32.3	96.8

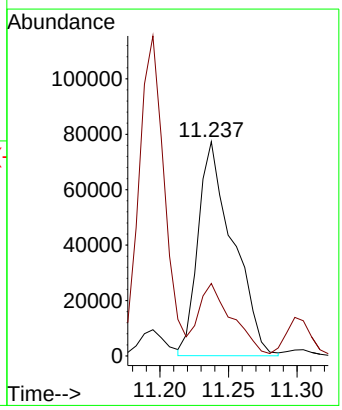


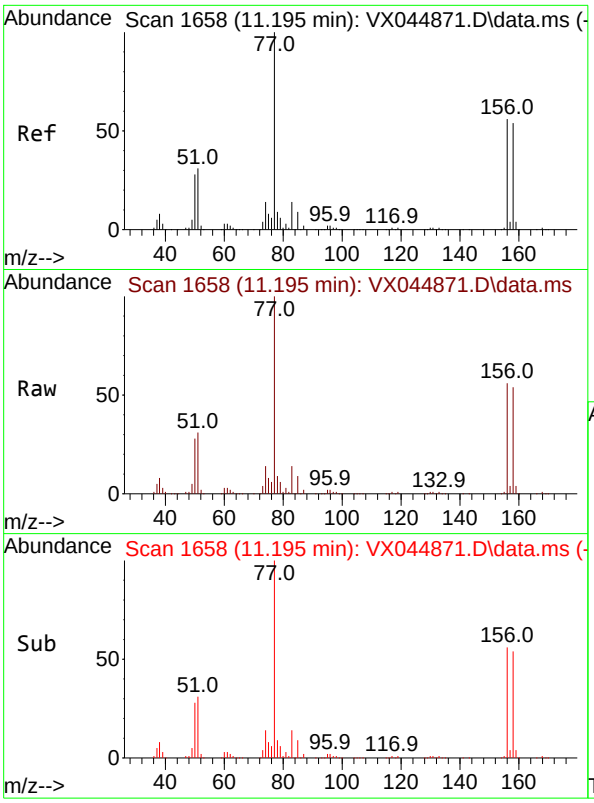


#76
1,2,3-Trichloropropane
Concen: 66.637 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 136881

Ion	Ratio	Lower	Upper
75	100		
77	32.8	21.9	65.7



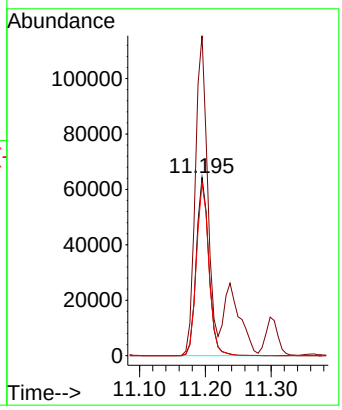


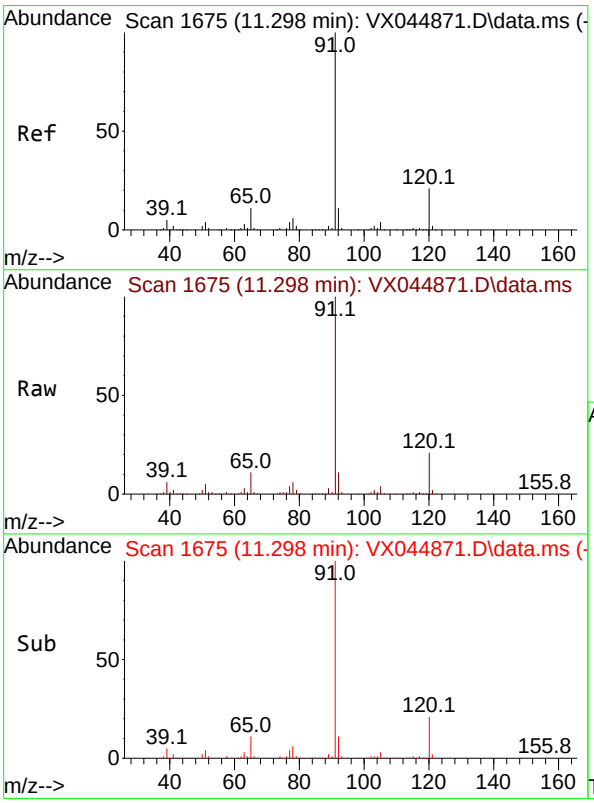
#77
Bromobenzene
Concen: 49.931 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 84448

Ion	Ratio	Lower	Upper
156	100		
77	176.9	88.4	265.3
158	96.8	48.4	145.2

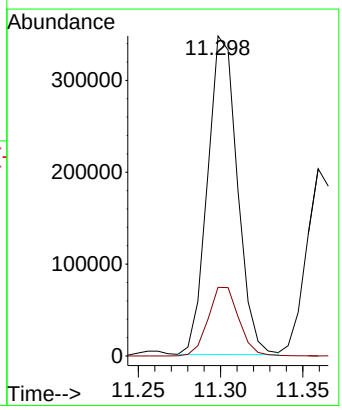


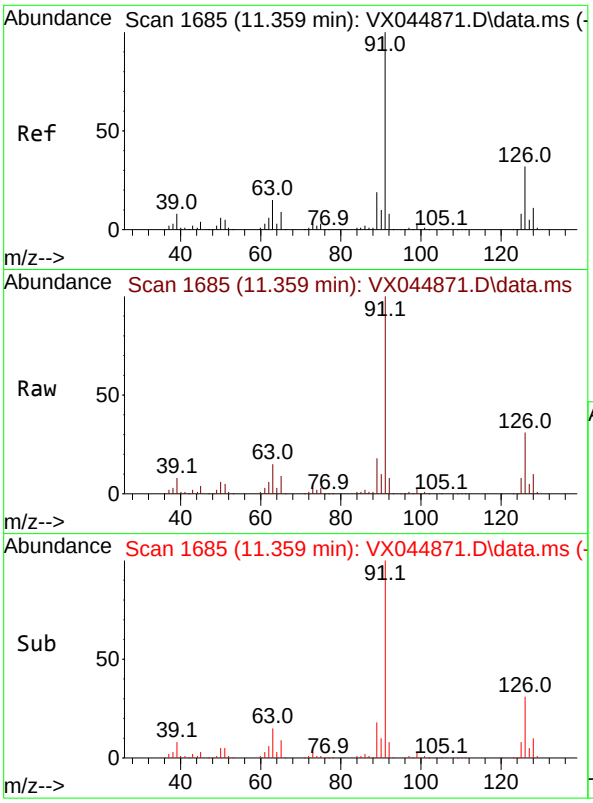


#78
n-propylbenzene
Concen: 50.818 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 437572

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3



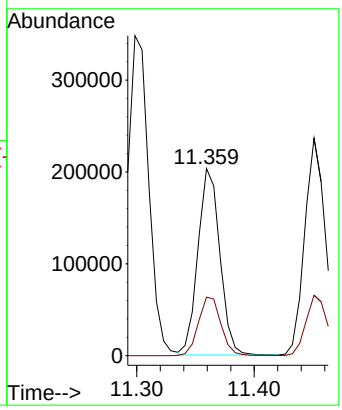


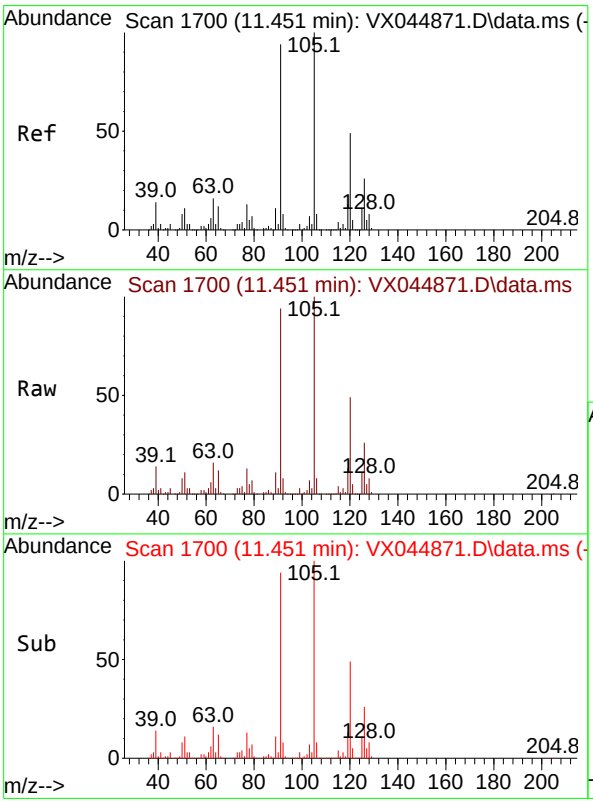
#79
2-Chlorotoluene
Concen: 49.749 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 263269

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6

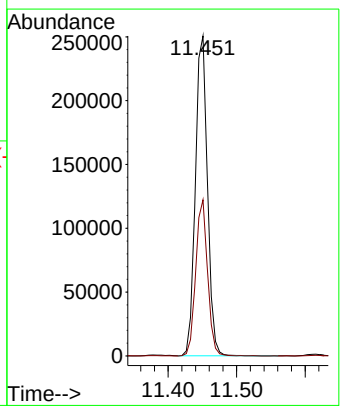


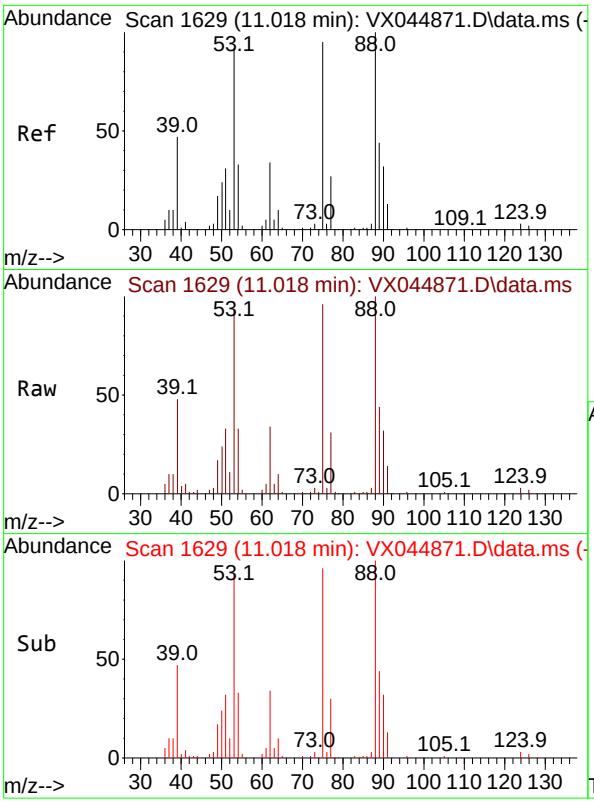


#80
1,3,5-Trimethylbenzene
Concen: 50.789 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 307465

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0



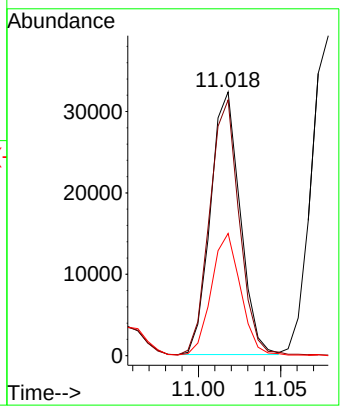


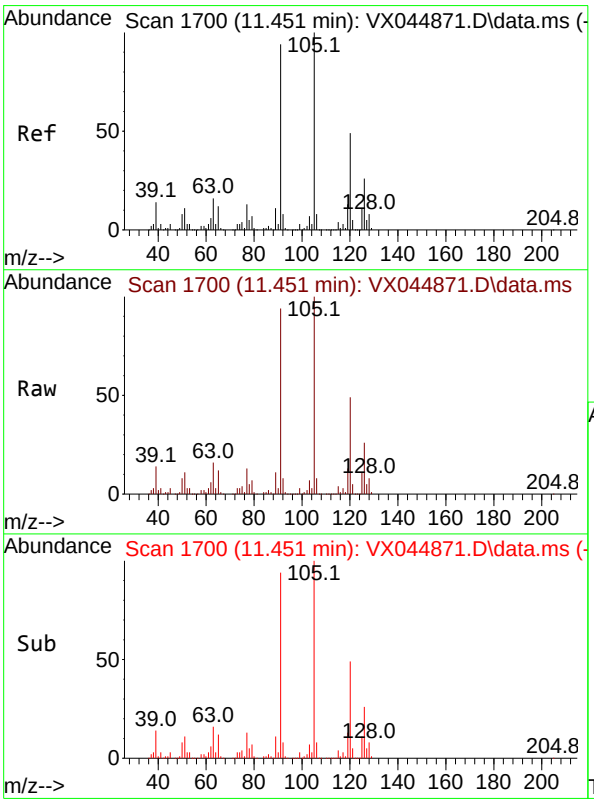
#81
trans-1,4-Dichloro-2-butene
Concen: 50.701 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 40487

Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.0	117.0
89	45.7	36.6	54.8

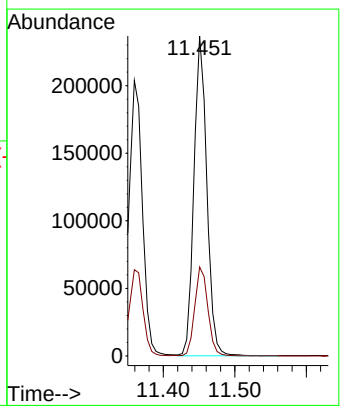


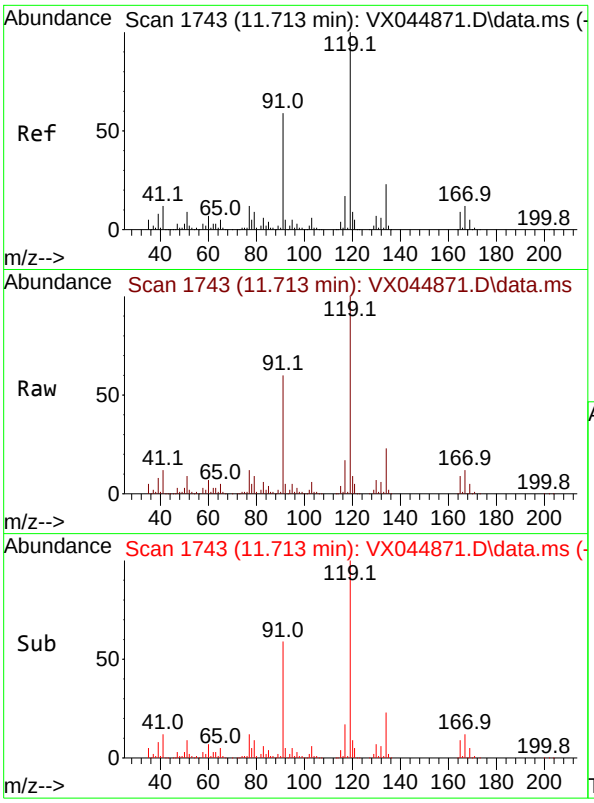


#82
4-Chlorotoluene
Concen: 50.531 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 295844

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



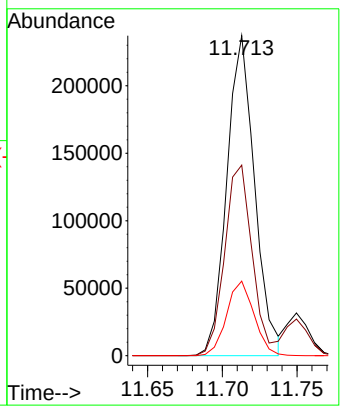


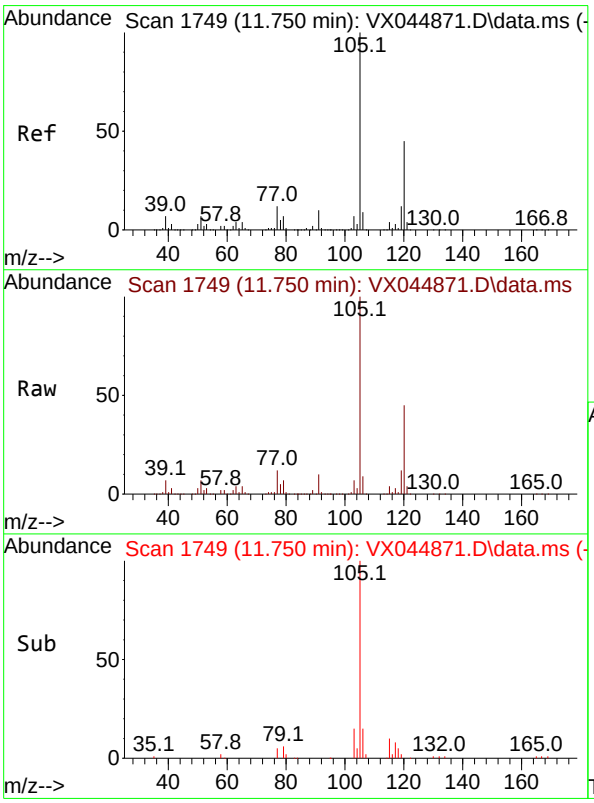
#83
tert-Butylbenzene
Concen: 50.102 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 306830

Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.1	87.4
134	23.0	11.5	34.5

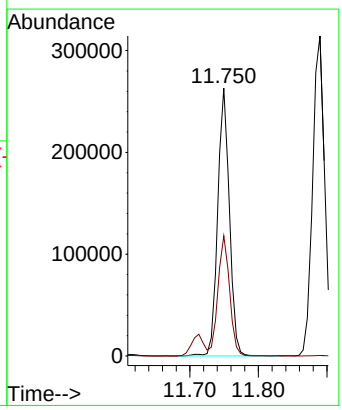


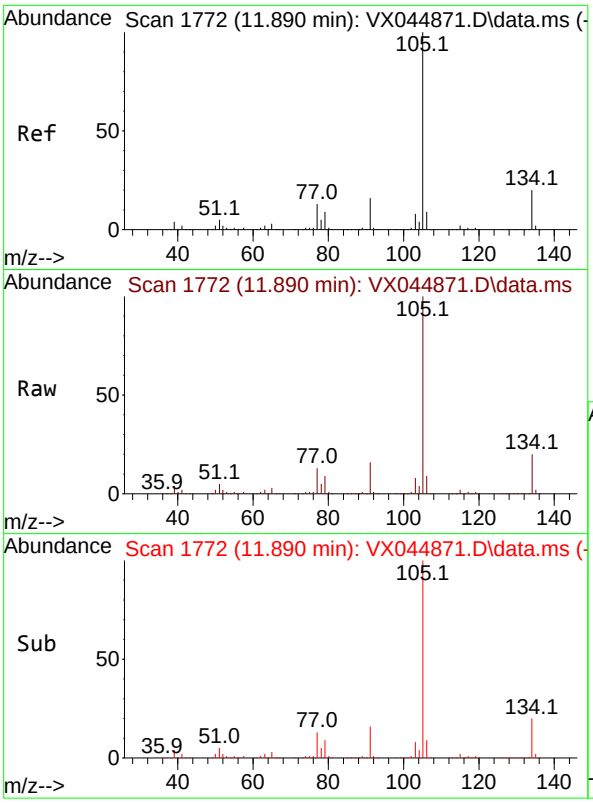


#84
1,2,4-Trimethylbenzene
Concen: 52.085 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 311205

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.0



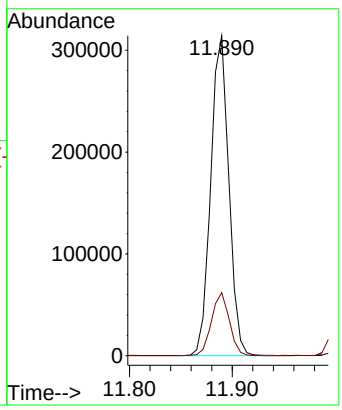


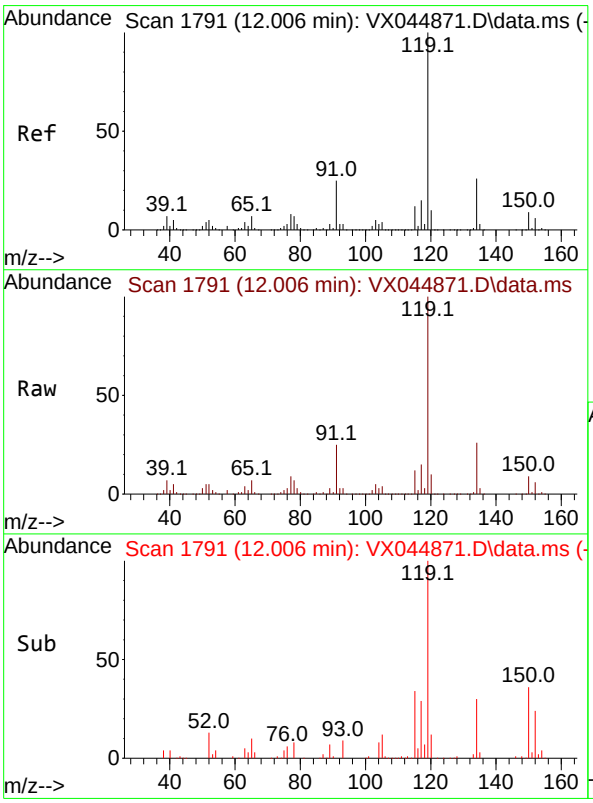
#85
sec-Butylbenzene
Concen: 50.657 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 384155

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

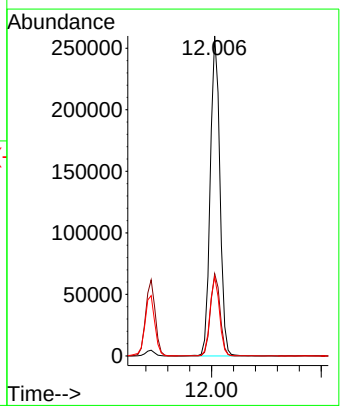


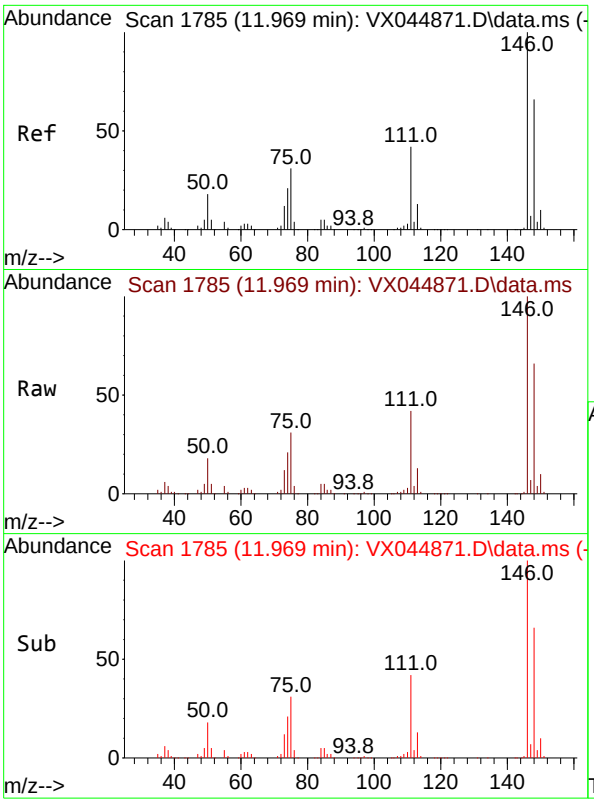


#86
p-Isopropyltoluene
Concen: 51.689 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:119 Resp: 315226

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.2	12.1	36.3



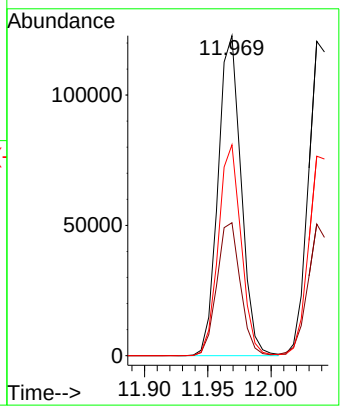


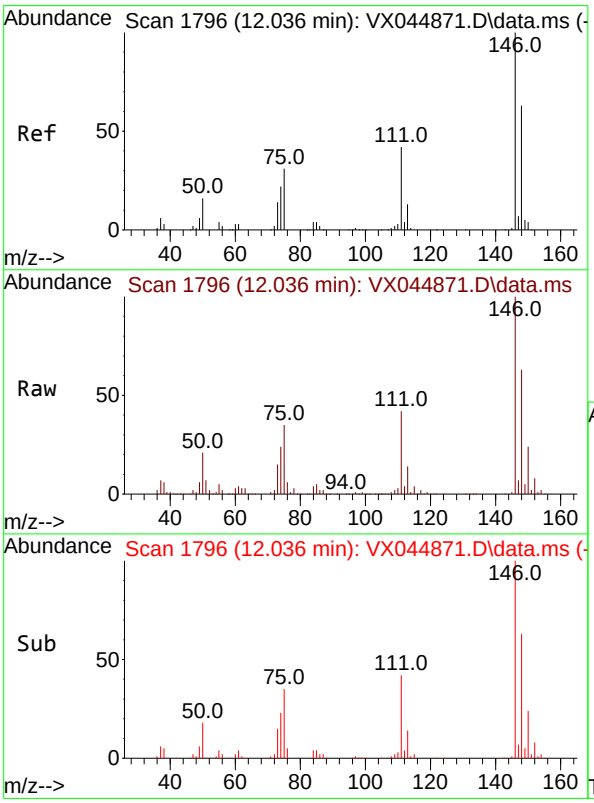
#87
1,3-Dichlorobenzene
Concen: 50.021 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 155575

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	65.0	32.5	97.5

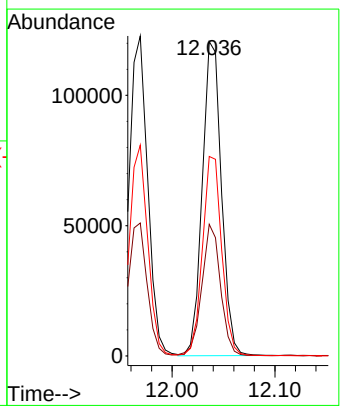


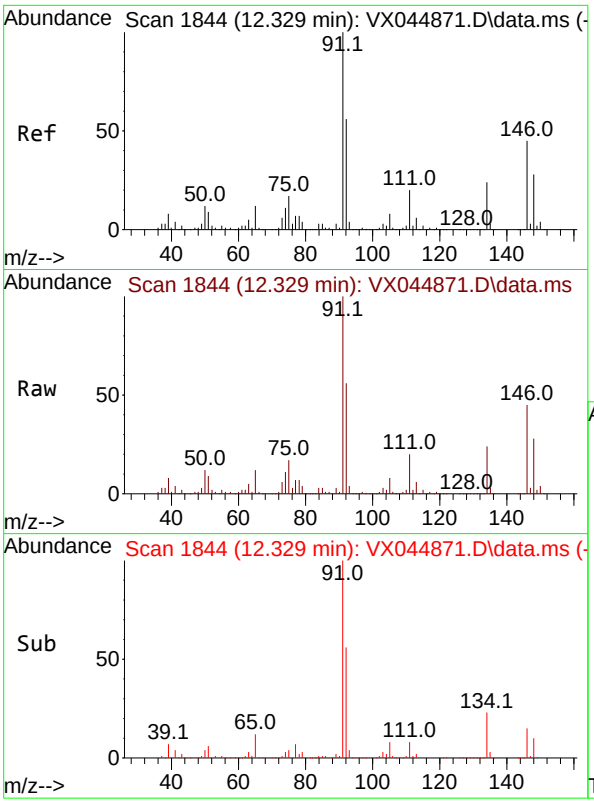


#88
1,4-Dichlorobenzene
Concen: 49.657 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 156162

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	64.0	32.0	96.0



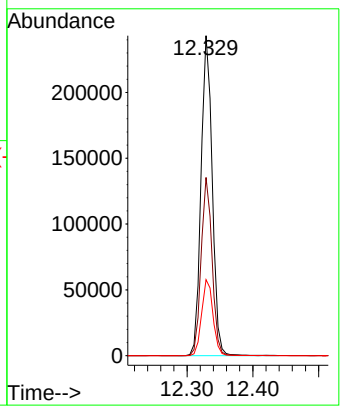


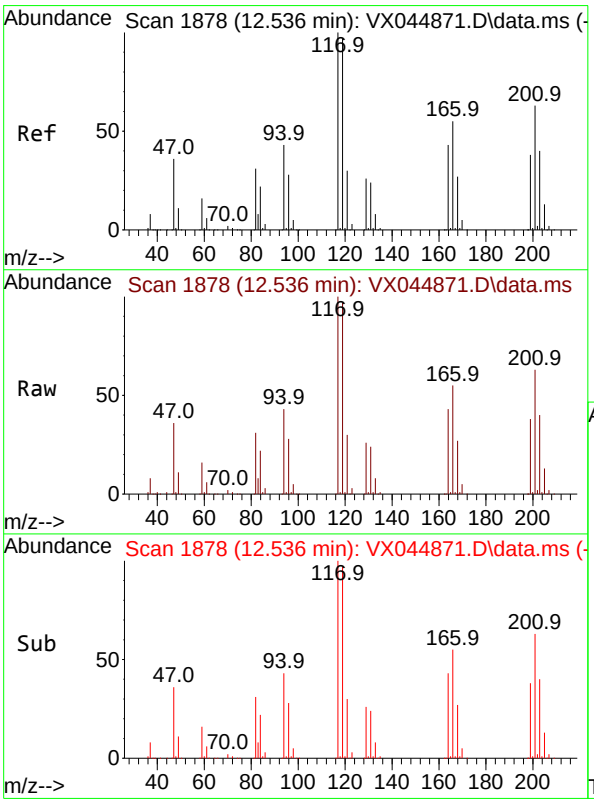
#89
n-Butylbenzene
Concen: 53.315 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 287649

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.6
134	24.2	12.1	36.3

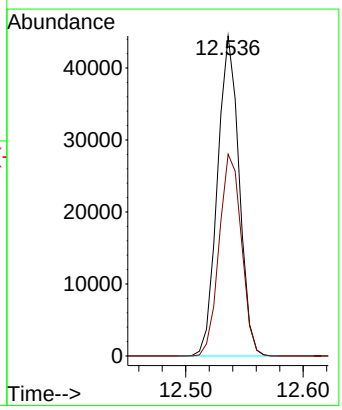


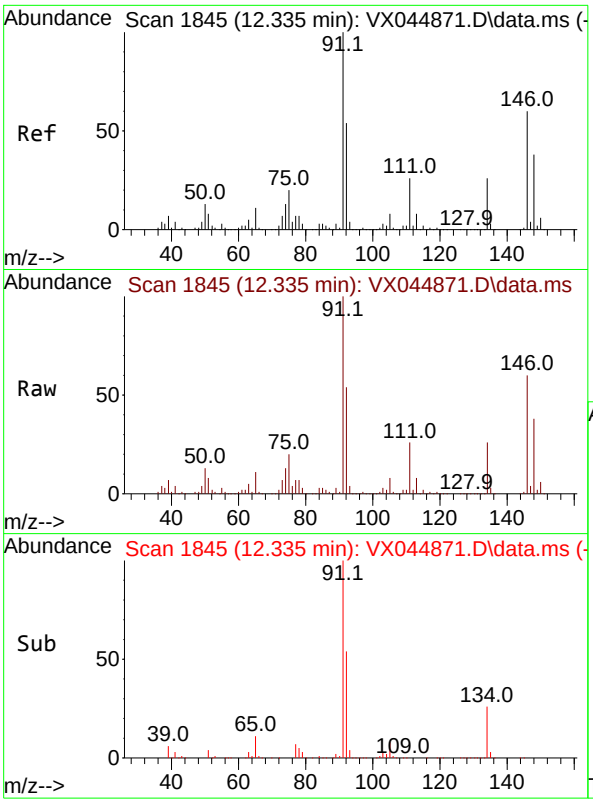


#90
Hexachloroethane
Concen: 49.874 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:117 Resp: 56951

Ion	Ratio	Lower	Upper
117	100		
201	65.0	32.5	97.5



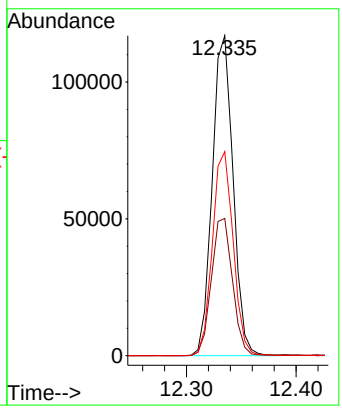


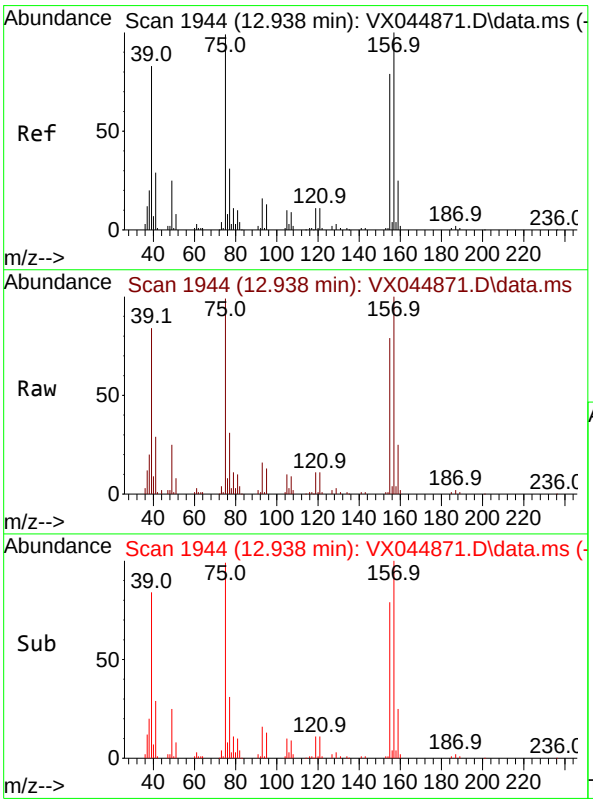
#91
1,2-Dichlorobenzene
Concen: 50.500 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 154364

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	63.9	31.9	95.9

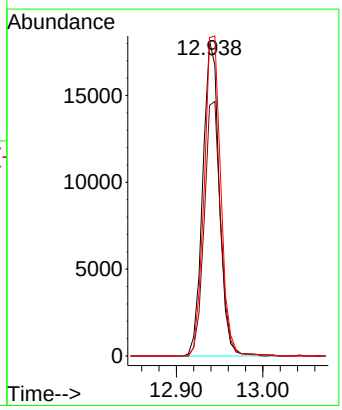


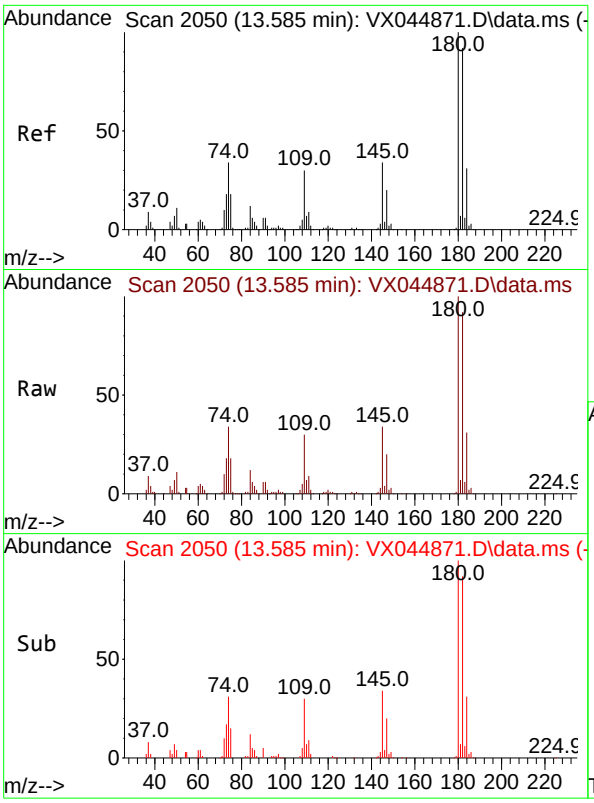


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.135 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 23924

Ion	Ratio	Lower	Upper
75	100		
155	80.9	40.5	121.4
157	102.9	51.4	154.3



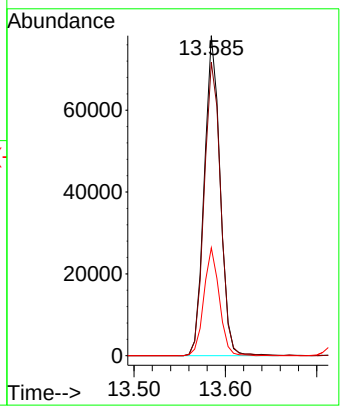


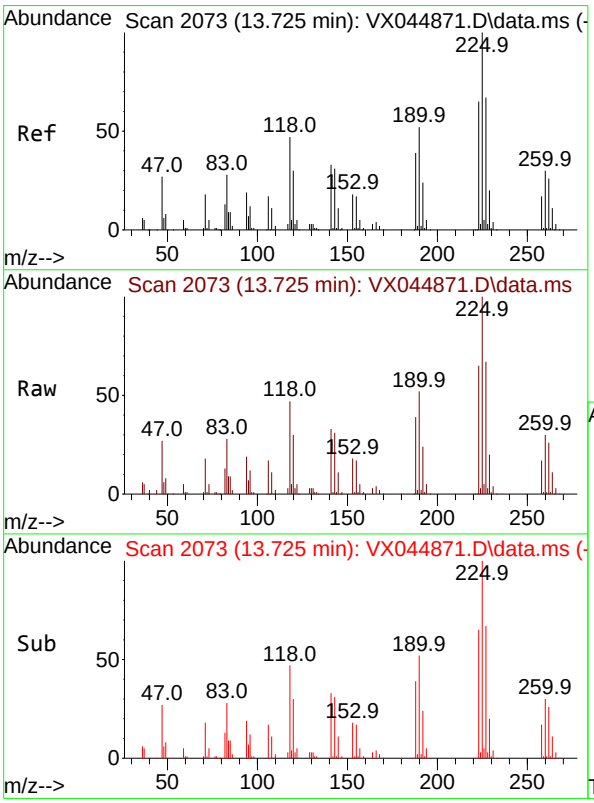
#93
1,2,4-Trichlorobenzene
Concen: 50.747 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 93863

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	32.7	16.4	49.1

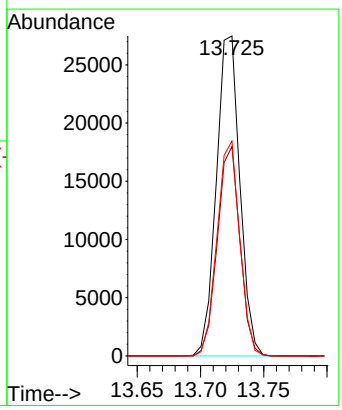


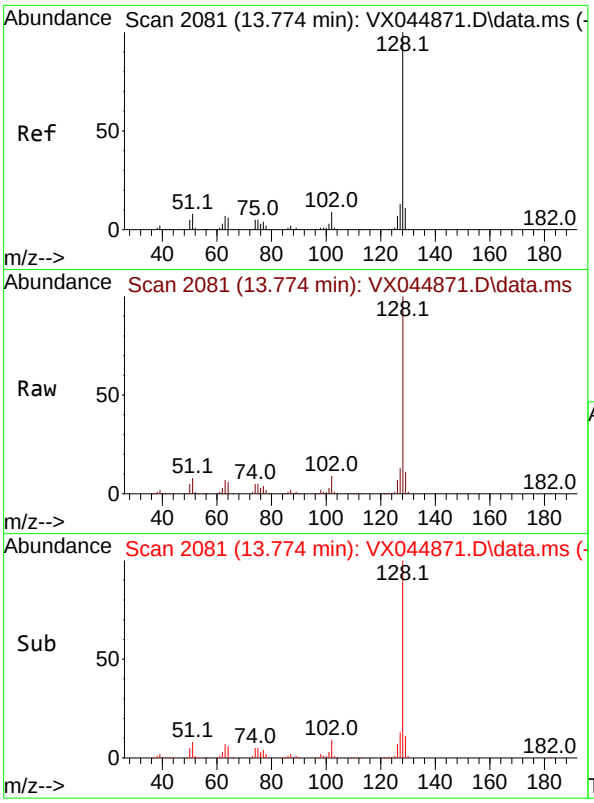


#94
Hexachlorobutadiene
Concen: 48.321 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:225 Resp: 35481

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	64.5	32.3	96.8



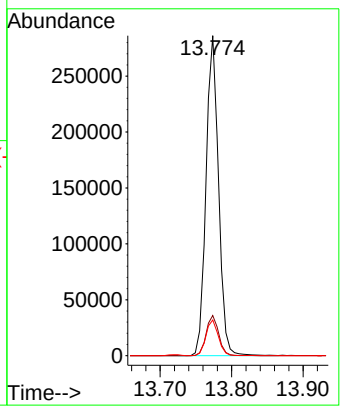


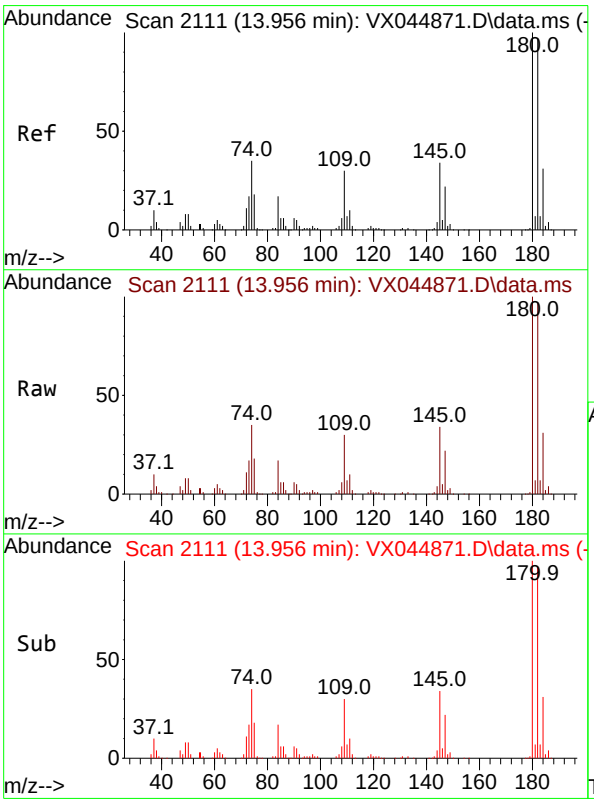
#95
Naphthalene
Concen: 51.995 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 347645

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.1	8.9	13.3

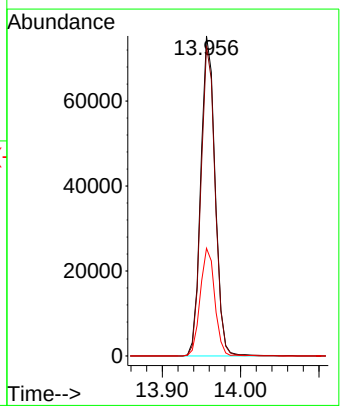




#96
1,2,3-Trichlorobenzene
Concen: 51.245 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:180 Resp: 95510

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	34.2	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	236372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	183093	96.580	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 193.160%#			
35) Dibromofluoromethane	5.373	113	151228	98.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 196.800%#			
50) Toluene-d8	8.647	98	570976	98.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 196.500%#			
62) 4-Bromofluorobenzene	11.079	95	196066	100.079	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.160%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	182788	100.632	ug/l	99
3) Chloromethane	1.301	50	208416	94.275	ug/l	99
4) Vinyl Chloride	1.374	62	209017	97.593	ug/l	100
5) Bromomethane	1.593	94	62797	97.984	ug/l	97
6) Chloroethane	1.660	64	64581	100.253	ug/l	98
7) Trichlorofluoromethane	1.868	101	262354	96.865	ug/l	99
8) Diethyl Ether	2.130	74	95914	97.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	163414	99.860	ug/l	100
10) Methyl Iodide	2.441	142	212118	100.016	ug/l	99
11) Tert butyl alcohol	3.002	59	165263	469.903	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	163593	98.004	ug/l	98
13) Acrolein	2.233	56	180570	497.628	ug/l	99
14) Allyl chloride	2.654	41	297526	98.624	ug/l	98
15) Acrylonitrile	3.063	53	466855	497.173	ug/l	99
16) Acetone	2.386	43	369720	485.125	ug/l	99
17) Carbon Disulfide	2.502	76	463308	101.216	ug/l	99
18) Methyl Acetate	2.703	43	238689	99.249	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	521003	98.098	ug/l	100
20) Methylene Chloride	2.782	84	180120	96.490	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	164067	99.864	ug/l	95
22) Diisopropyl ether	3.758	45	565927	99.157	ug/l	95
23) Vinyl Acetate	3.715	43	2387200	513.051	ug/l	100
24) 1,1-Dichloroethane	3.599	63	313164	98.064	ug/l	99
25) 2-Butanone	4.550	43	617283	498.801	ug/l	98
26) 2,2-Dichloropropane	4.465	77	248324	98.053	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	196381	99.513	ug/l	99
28) Bromochloromethane	4.885	49	148137	96.524	ug/l	100
29) Tetrahydrofuran	4.995	42	405208	493.104	ug/l	100
30) Chloroform	5.087	83	298690	96.445	ug/l	99
31) Cyclohexane	5.458	56	286830	97.426	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	254941	97.050	ug/l	100
36) 1,1-Dichloropropene	5.684	75	216005	97.422	ug/l	100
37) Ethyl Acetate	4.709	43	244164	99.005	ug/l	99
38) Carbon Tetrachloride	5.666	117	210381	96.828	ug/l	97
39) Methylcyclohexane	7.373	83	299703	104.554	ug/l	98
40) Benzene	6.025	78	675556	97.576	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	135629	102.745	ug/l		99
42) 1,2-Dichloroethane	6.080	62	218174	98.875	ug/l		100
43) Isopropyl Acetate	6.336	43	405489	101.818	ug/l		100
44) Trichloroethene	7.117	130	156832	99.103	ug/l		96
45) 1,2-Dichloropropane	7.422	63	170337	98.893	ug/l		97
46) Dibromomethane	7.574	93	119149	99.747	ug/l		100
47) Bromodichloromethane	7.818	83	236506	102.254	ug/l		97
48) Methyl methacrylate	7.690	41	195892	104.321	ug/l		100
49) 1,4-Dioxane	7.659	88	77816	1931.508	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1196887	494.353	ug/l		100
52) Toluene	8.714	92	409318	99.270	ug/l		99
53) t-1,3-Dichloropropene	8.970	75	249725	106.694	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	277371	106.287	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	156629	98.817	ug/l		100
56) Ethyl methacrylate	9.116	69	268693	104.958	ug/l		99
57) 1,3-Dichloropropane	9.305	76	273845	98.742	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	664198	528.405	ug/l		100
59) 2-Hexanone	9.427	43	871904	499.819	ug/l		99
60) Dibromochloromethane	9.519	129	173848	102.557	ug/l		100
61) 1,2-Dibromoethane	9.604	107	162982	101.451	ug/l		98
64) Tetrachloroethene	9.269	164	125294	97.447	ug/l		100
65) Chlorobenzene	10.073	112	436565	99.694	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	144793	102.728	ug/l		100
67) Ethyl Benzene	10.189	91	784184	101.477	ug/l		100
68) m/p-Xylenes	10.299	106	575559	201.907	ug/l		99
69) o-Xylene	10.640	106	281830	98.530	ug/l		100
70) Styrene	10.653	104	473403	102.728	ug/l		99
71) Bromoform	10.799	173	112371	106.827	ug/l	#	99
73) Isopropylbenzene	10.957	105	719923	97.854	ug/l		99
74) N-amyl acetate	10.842	43	345193	103.687	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	238529	94.351	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	265118	130.869	ug/l		82
77) Bromobenzene	11.195	156	163845	98.230	ug/l		100
78) n-propylbenzene	11.299	91	858793	101.132	ug/l		100
79) 2-Chlorotoluene	11.360	91	497149	95.257	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	584885	97.966	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	83483	106.006	ug/l		98
82) 4-Chlorotoluene	11.451	91	569510	98.634	ug/l		100
83) tert-Butylbenzene	11.713	119	591396	97.917	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	588385	99.851	ug/l		99
85) sec-Butylbenzene	11.890	105	749534	100.219	ug/l		99
86) p-Isopropyltoluene	12.006	119	607577	101.019	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	303851	99.061	ug/l		98
88) 1,4-Dichlorobenzene	12.037	146	303417	97.830	ug/l		99
89) n-Butylbenzene	12.329	91	583634	109.686	ug/l		100
90) Hexachloroethane	12.536	117	117533	104.365	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	293151	97.244	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47745	103.477	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	193214	105.921	ug/l		99
94) Hexachlorobutadiene	13.725	225	74605	103.024	ug/l		99
95) Naphthalene	13.774	128	689104	104.505	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	190534	103.659	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

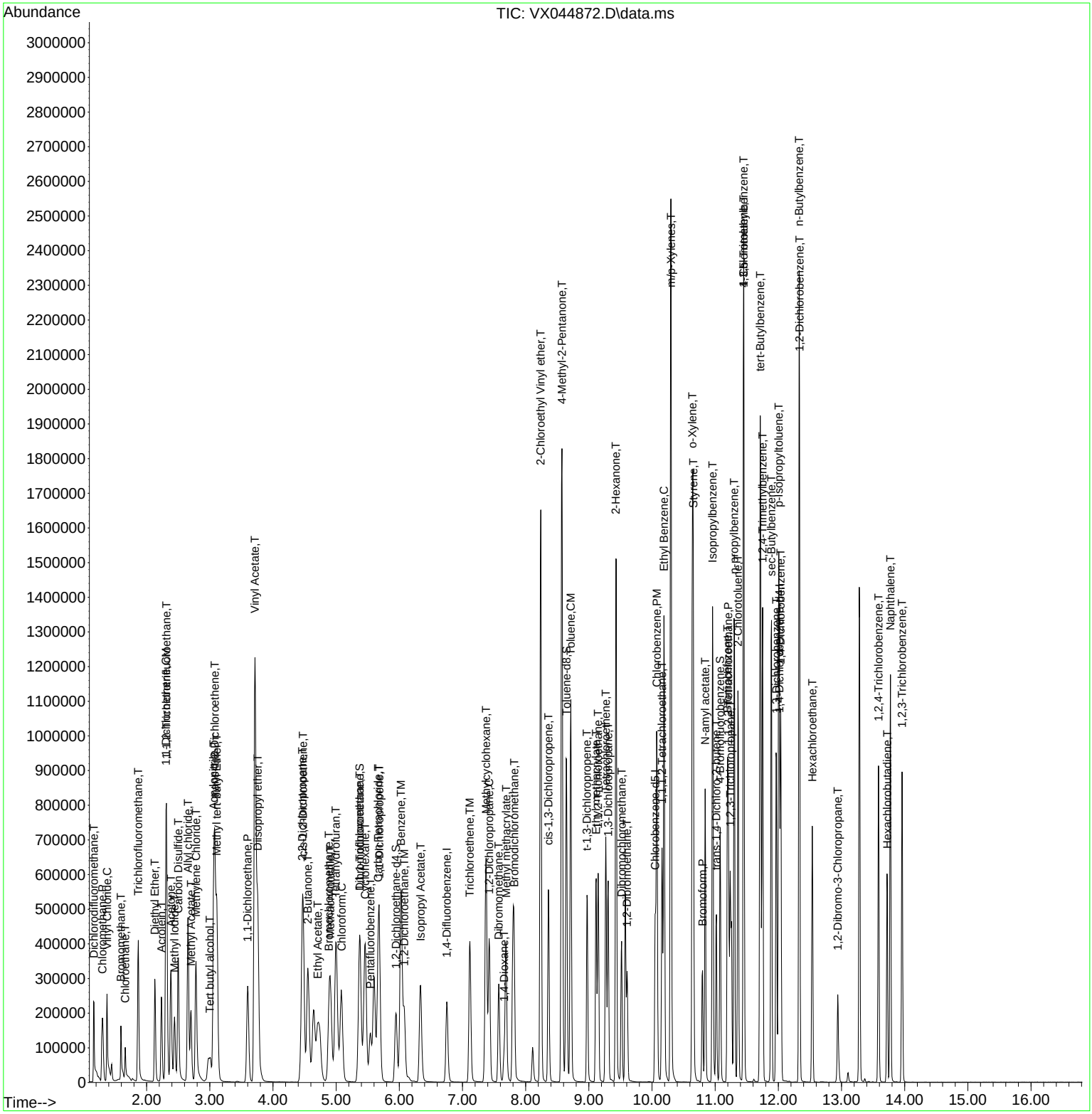
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

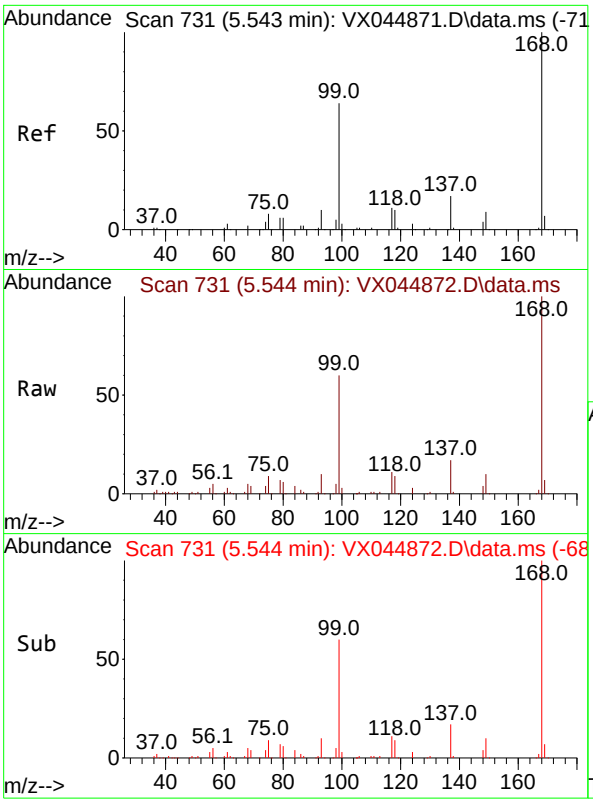
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration



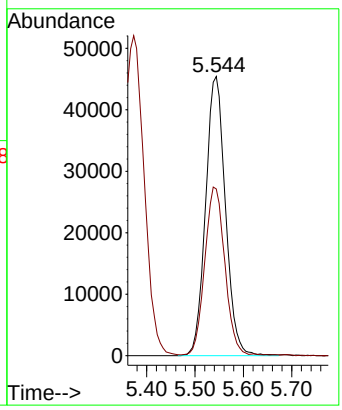


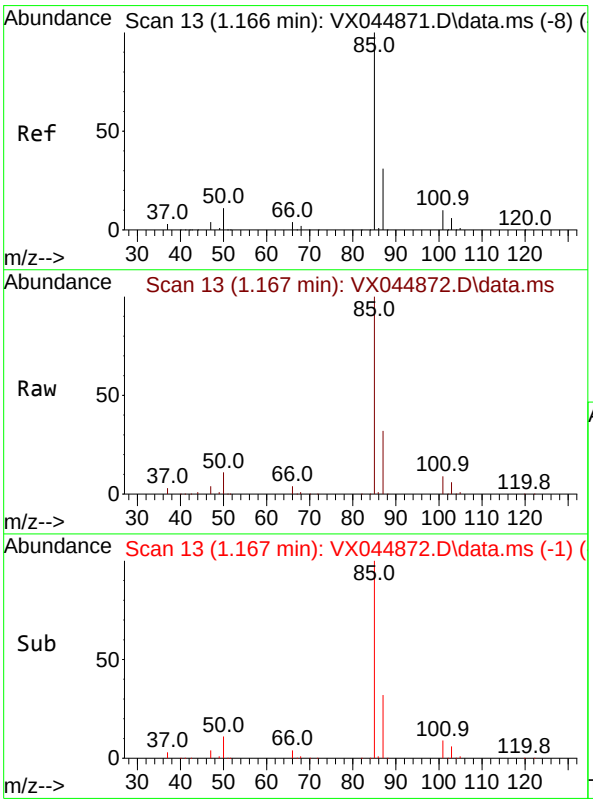
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 129508

Ion	Ratio	Lower	Upper
168	100		
99	59.4	51.2	76.8

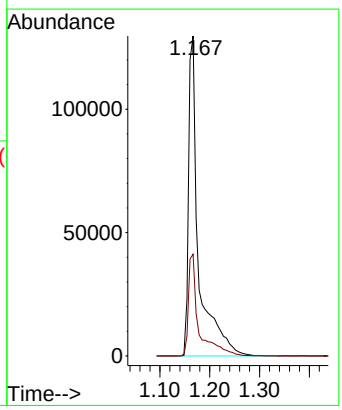


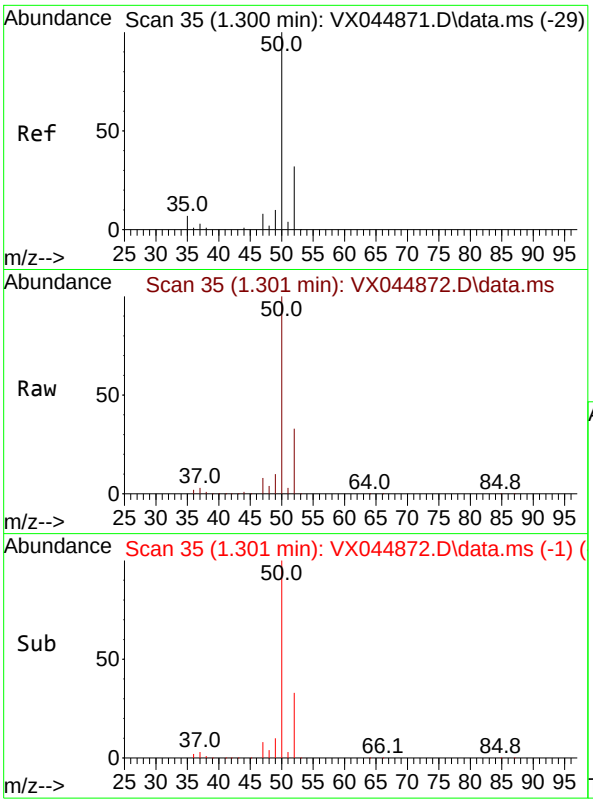


#2
Dichlorodifluoromethane
Concen: 100.632 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 85 Resp: 182788

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3



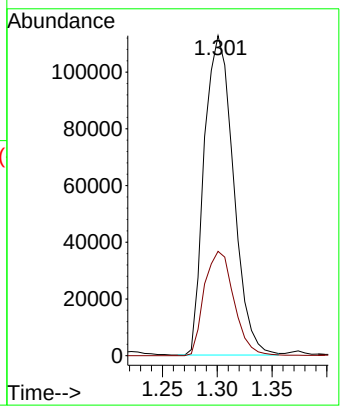


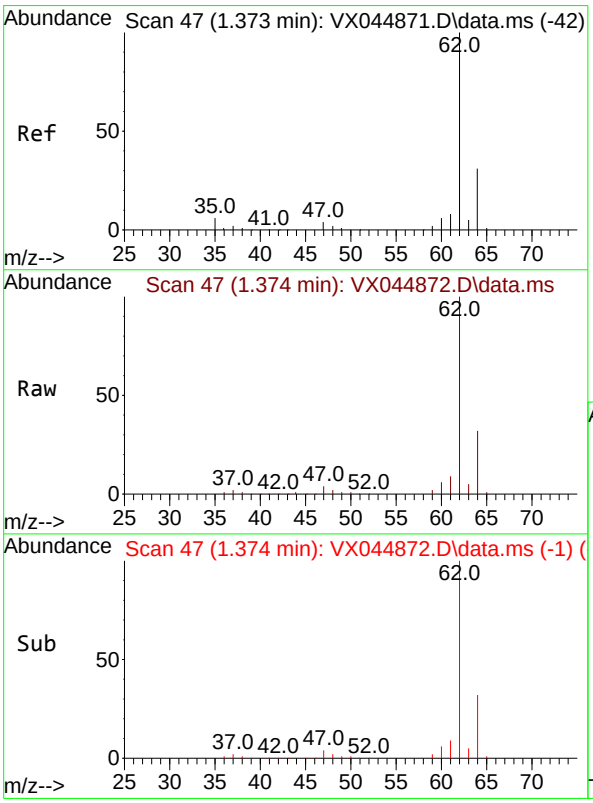
#3
Chloromethane
Concen: 94.275 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 208416

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.9	38.9

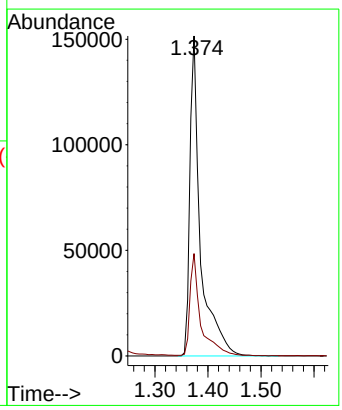


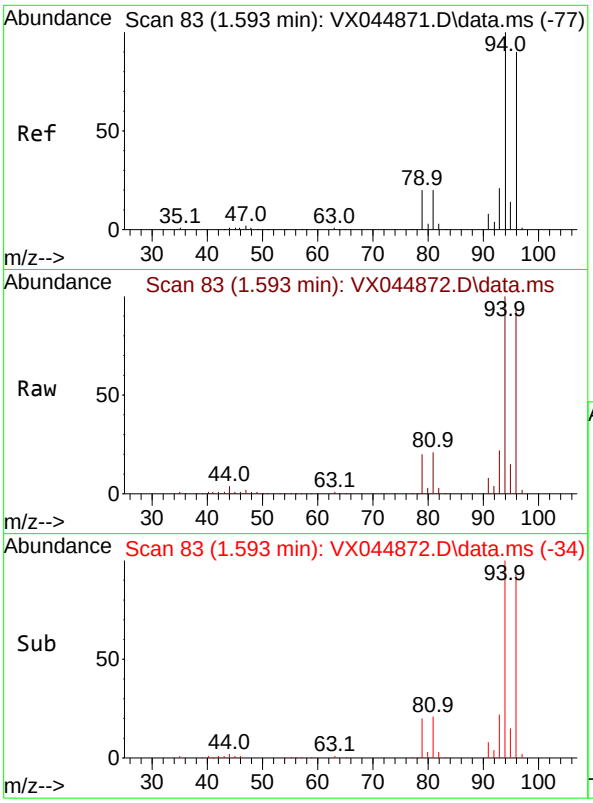


#4
Vinyl Chloride
Concen: 97.593 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 209017

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.4	38.0



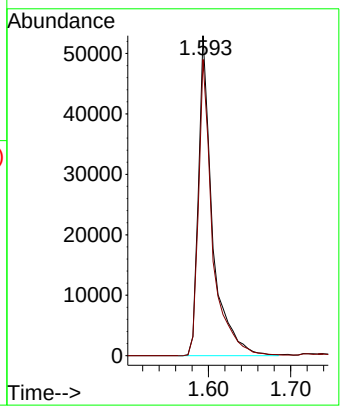


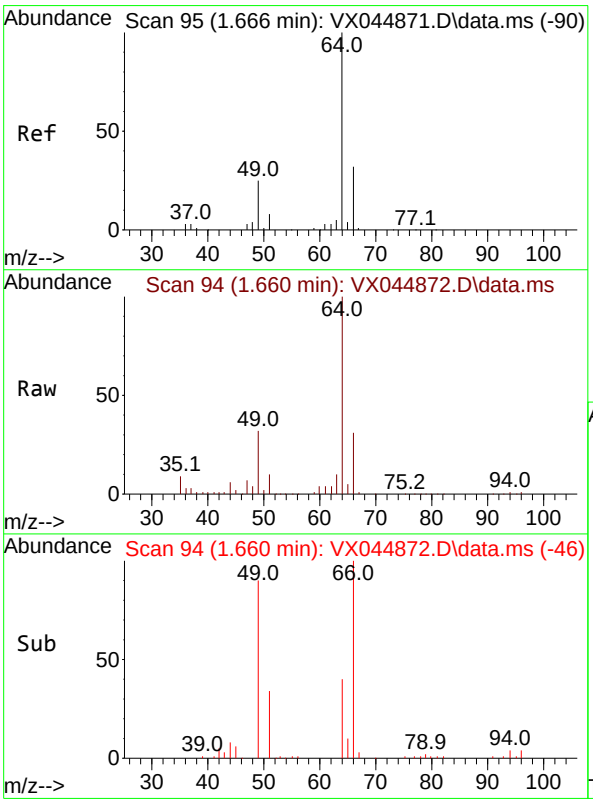
#5
Bromomethane
Concen: 97.984 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 62797

Ion	Ratio	Lower	Upper
94	100		
96	92.6	71.6	107.4

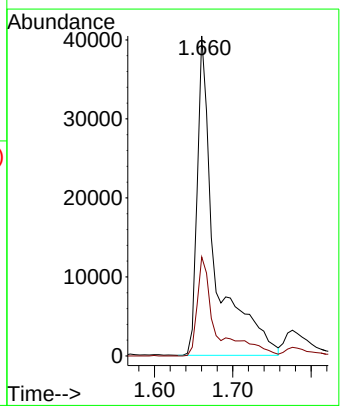


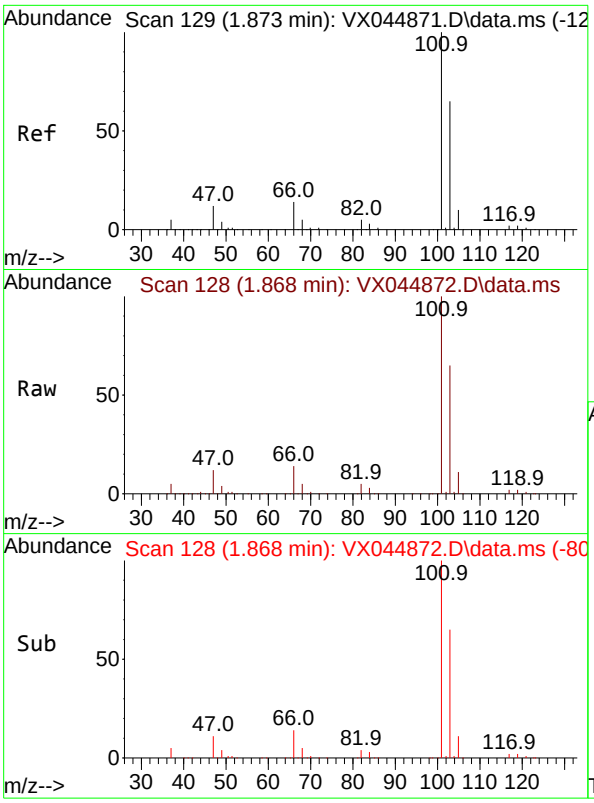


#6
Chloroethane
Concen: 100.253 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 64 Resp: 64581

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.9	38.9



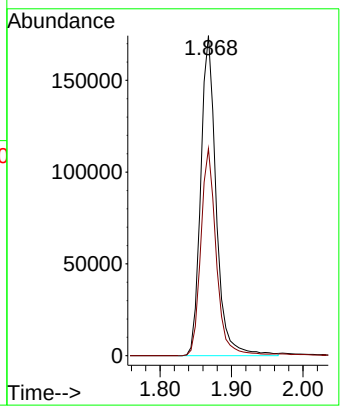


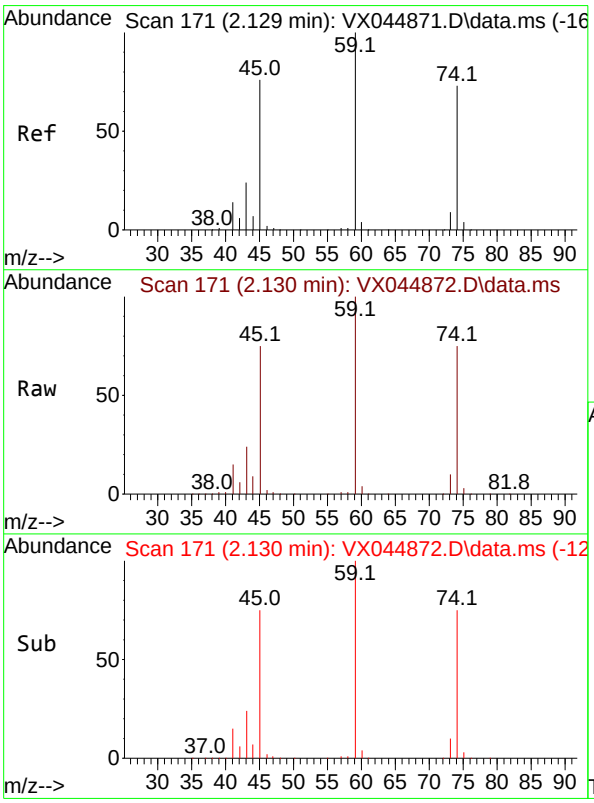
#7
Trichlorofluoromethane
Concen: 96.865 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 262354

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.4	78.6

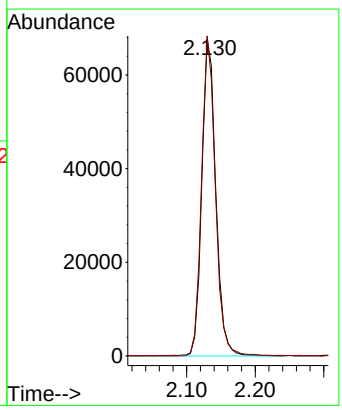


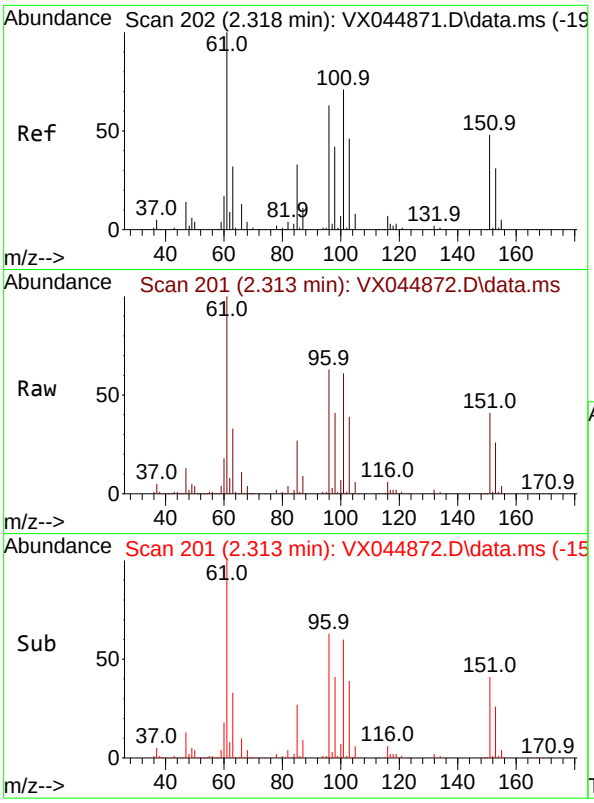


#8
Diethyl Ether
Concen: 97.647 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 74 Resp: 95914

Ion	Ratio	Lower	Upper
74	100		
45	99.5	51.1	153.4



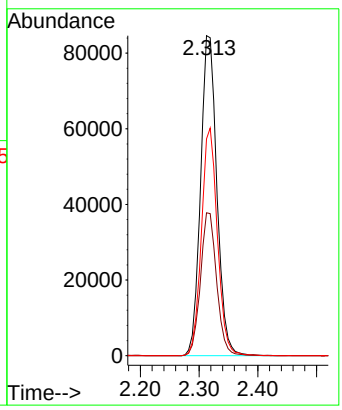


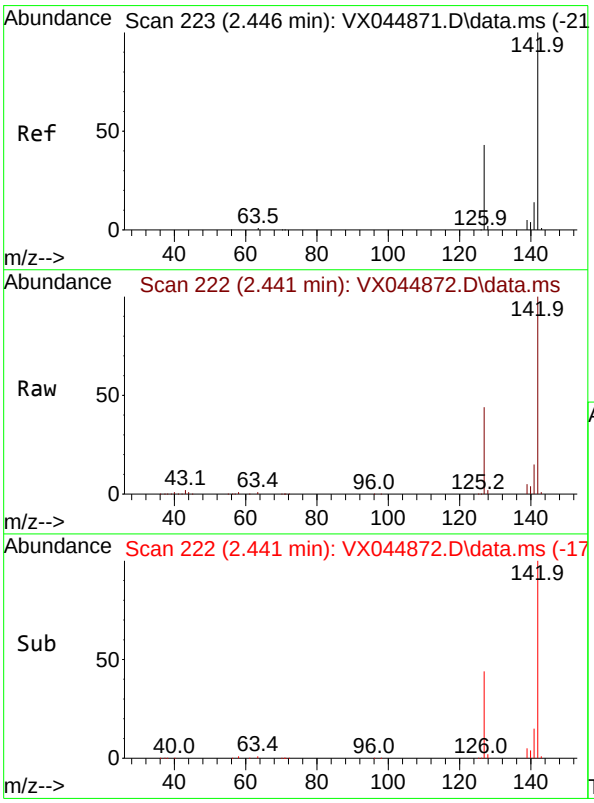
#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.860 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 163414

Ion	Ratio	Lower	Upper
101	100		
85	44.3	35.7	53.5
151	69.8	56.0	84.0

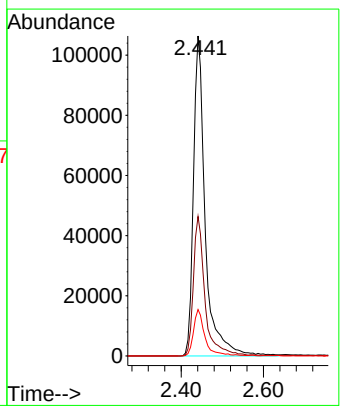


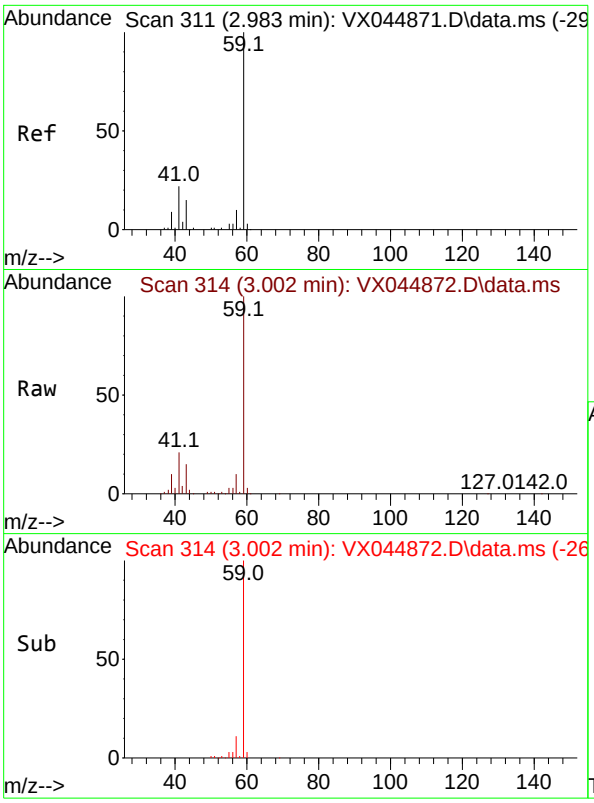


#10
Methyl Iodide
Concen: 100.016 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:142 Resp: 212118

Ion	Ratio	Lower	Upper
142	100		
127	42.5	34.3	51.5
141	14.1	11.4	17.2



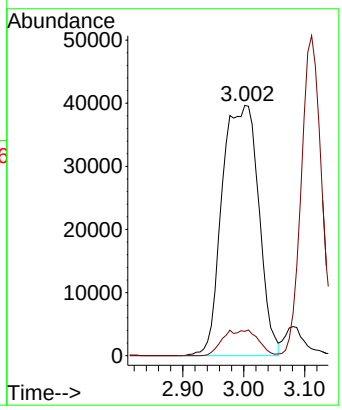


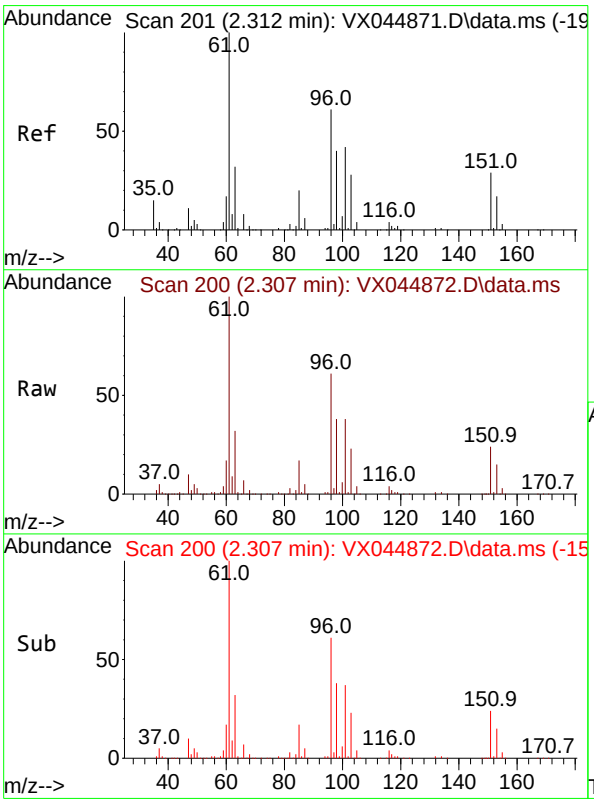
#11
Tert butyl alcohol
Concen: 469.903 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.019 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 165263

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#

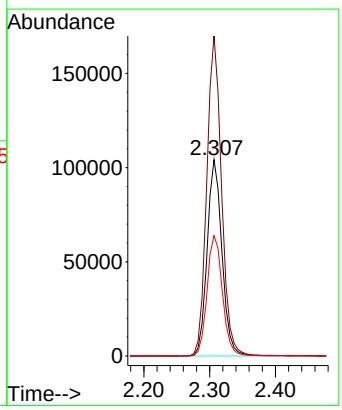


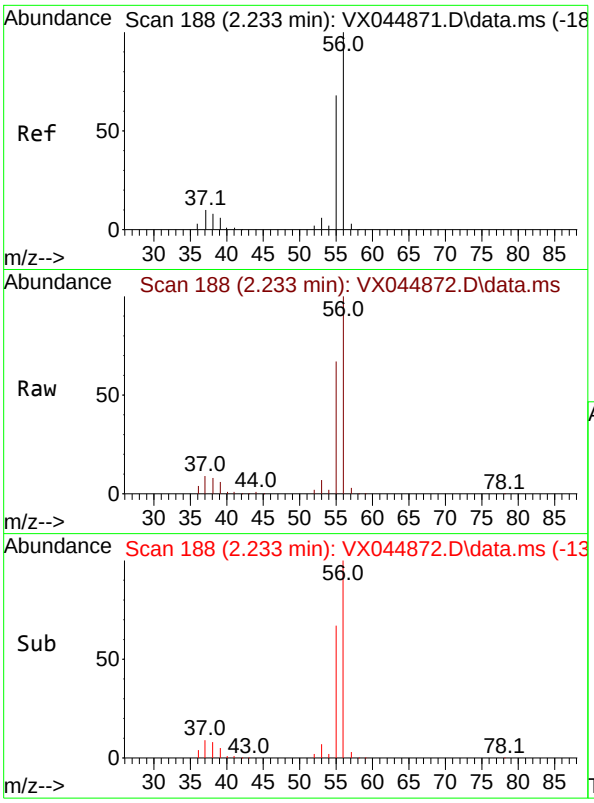


#12
1,1-Dichloroethene
Concen: 98.004 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 96 Resp: 163593

Ion	Ratio	Lower	Upper
96	100		
61	162.9	130.2	195.4
98	61.3	52.2	78.4



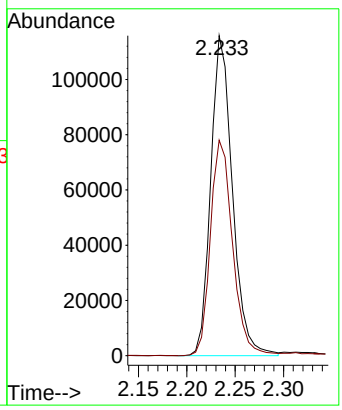


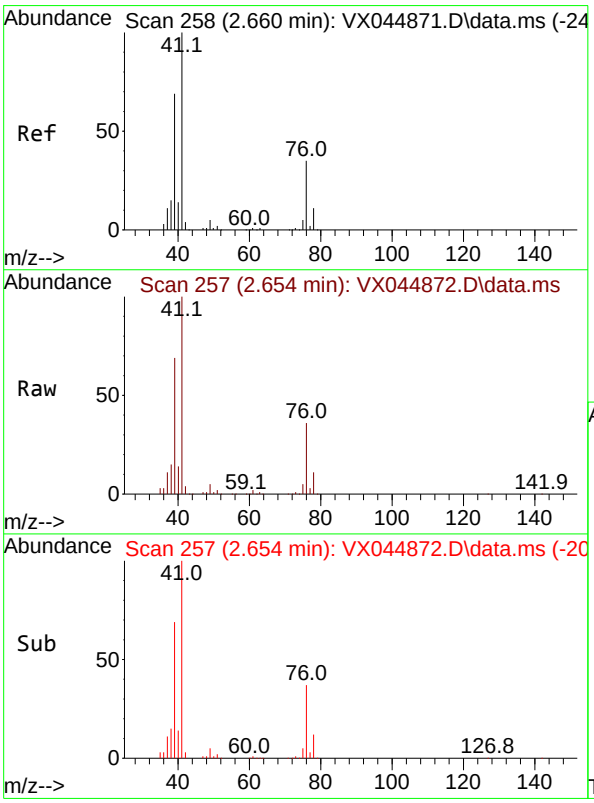
#13
Acrolein
Concen: 497.628 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 180570

Ion	Ratio	Lower	Upper
56	100		
55	68.9	55.7	83.5

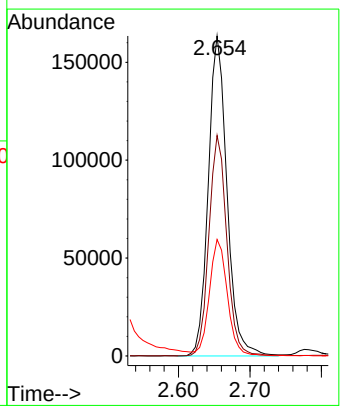


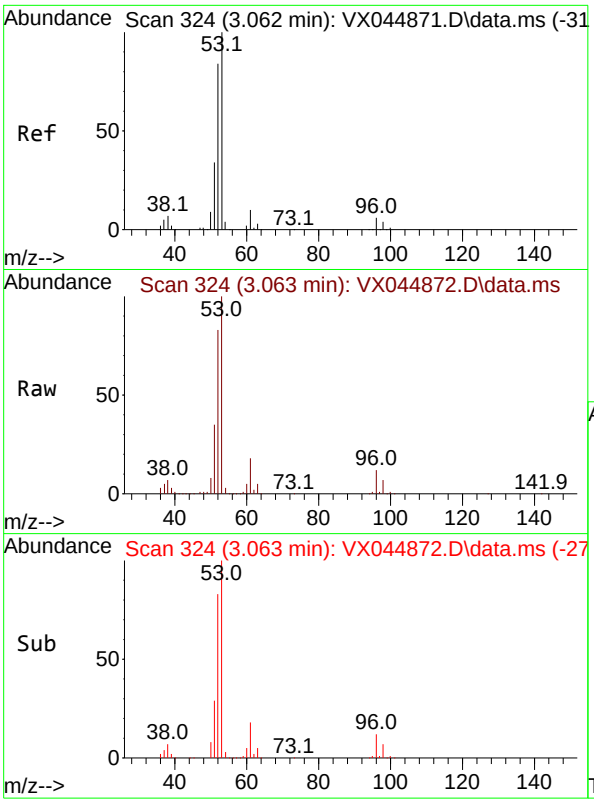


#14
Allyl chloride
Concen: 98.624 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 297526

Ion	Ratio	Lower	Upper
41	100		
39	65.6	51.4	77.2
76	34.9	27.0	40.4



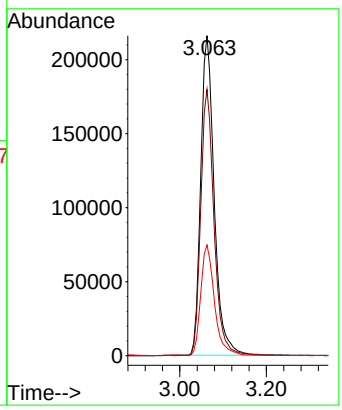


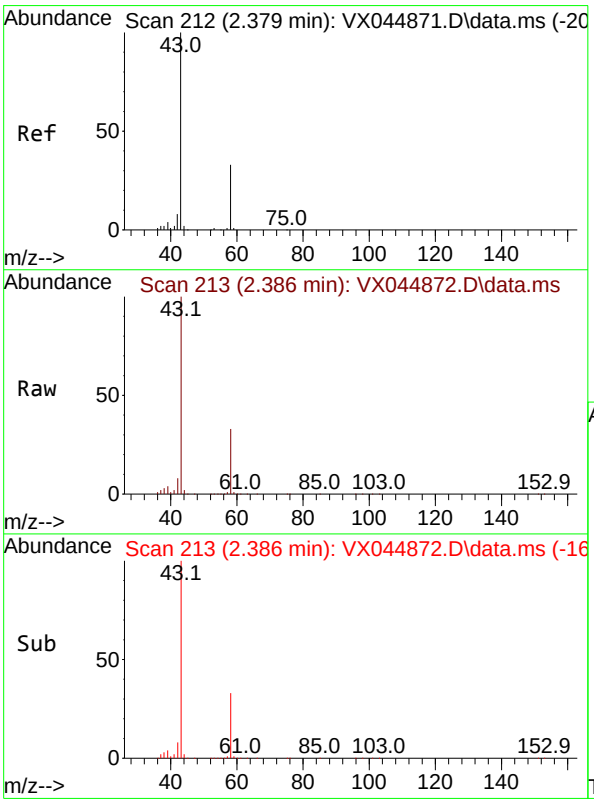
#15
Acrylonitrile
Concen: 497.173 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 466855

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.0	97.6
51	34.9	28.0	42.0

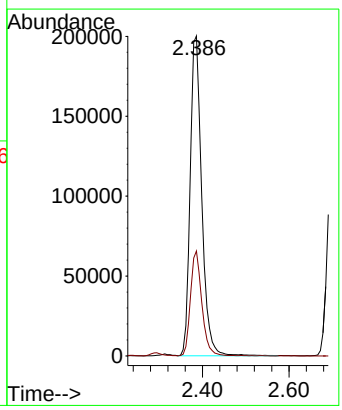


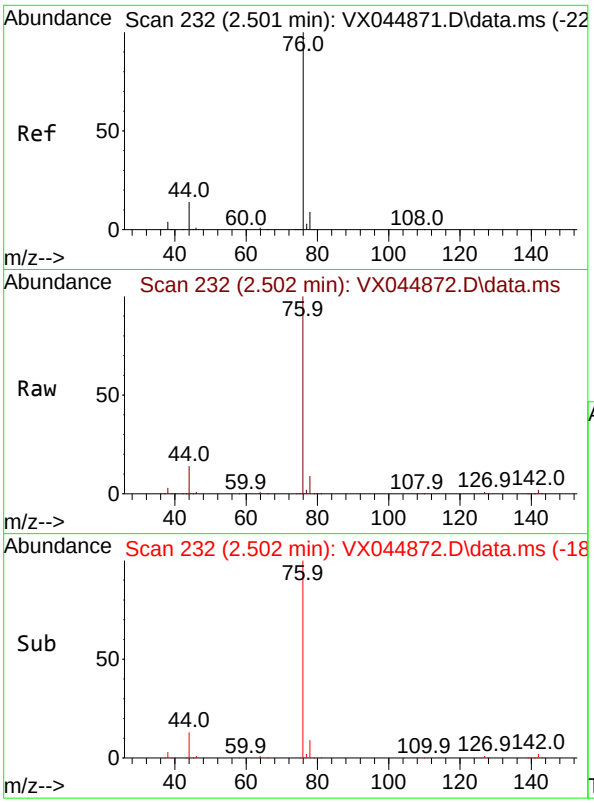


#16
Acetone
Concen: 485.125 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 369720

Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.5	39.7



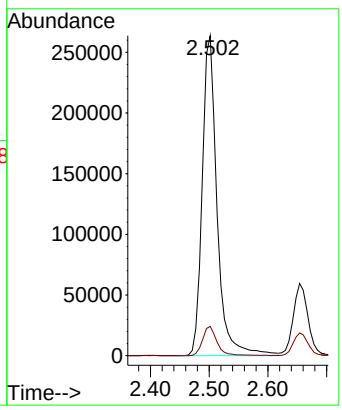


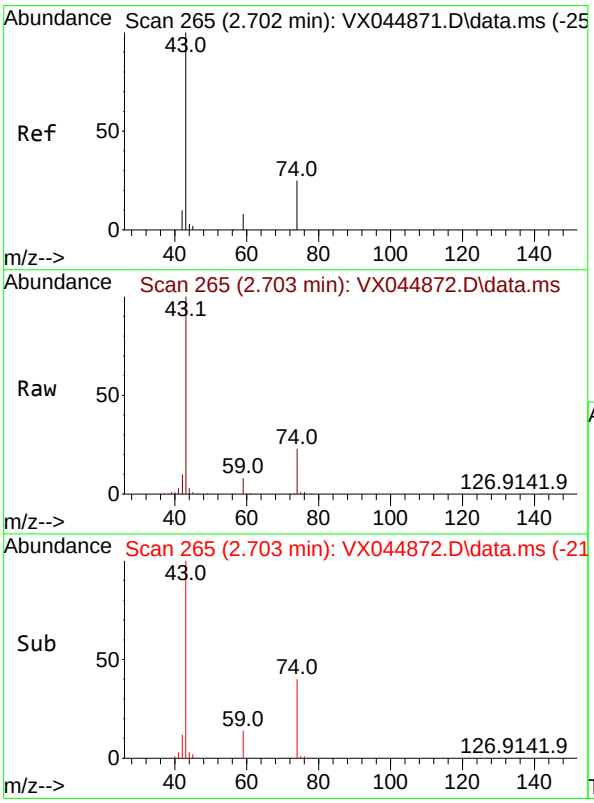
#17
Carbon Disulfide
Concen: 101.216 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 463308

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

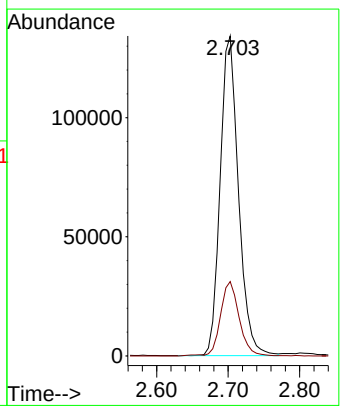


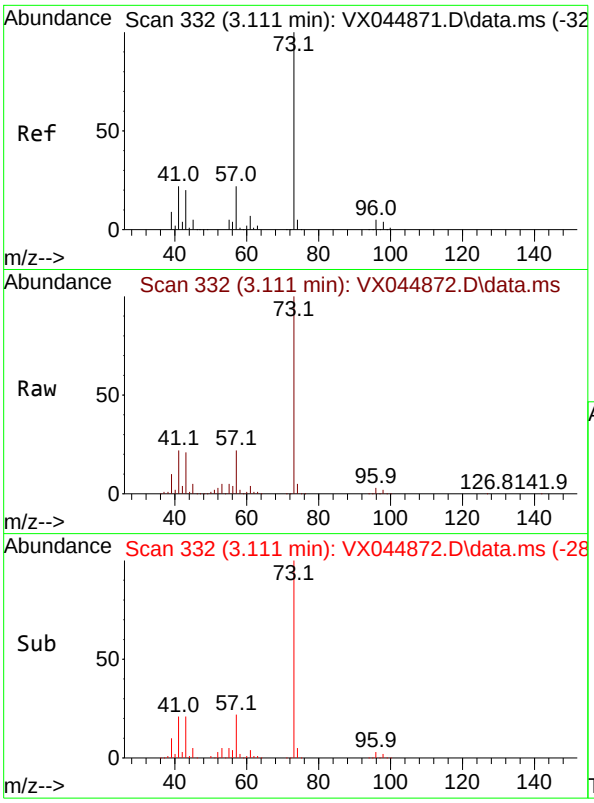


#18
Methyl Acetate
Concen: 99.249 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 238689

Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3



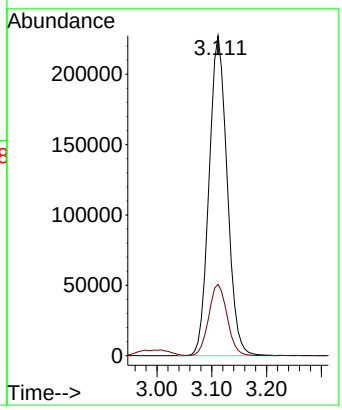


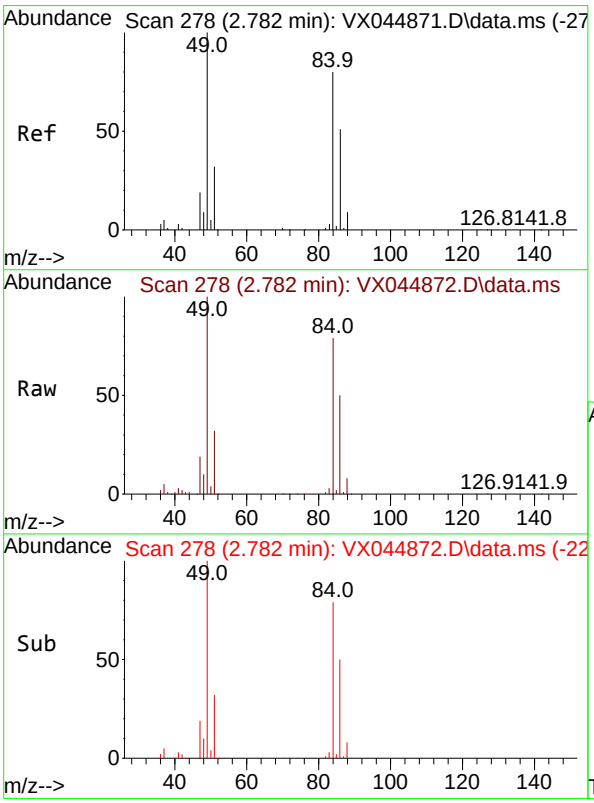
#19
Methyl tert-butyl Ether
Concen: 98.098 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 521003

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9

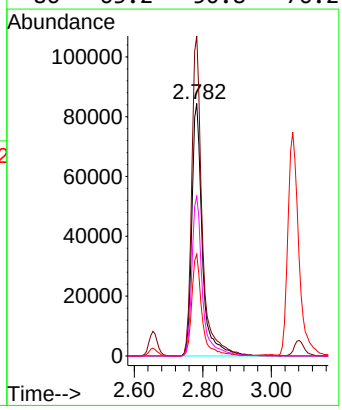


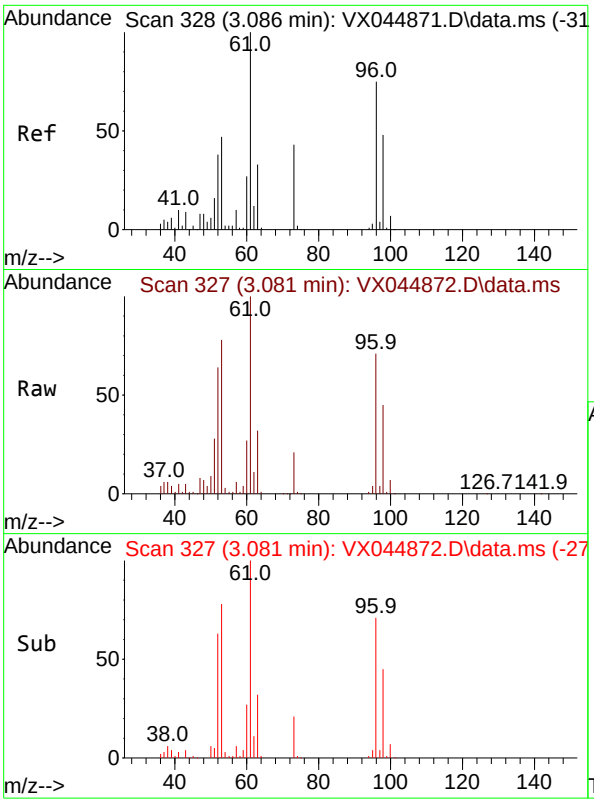


#20
Methylene Chloride
Concen: 96.490 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 84 Resp: 180120

Ion	Ratio	Lower	Upper
84	100		
49	126.7	100.1	150.1
51	40.3	31.7	47.5
86	63.2	50.8	76.2



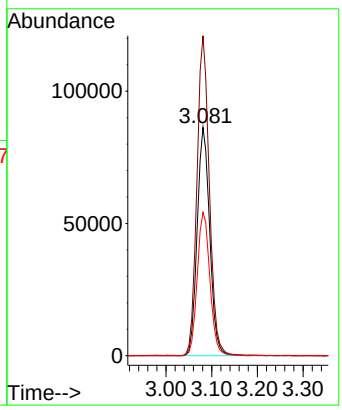


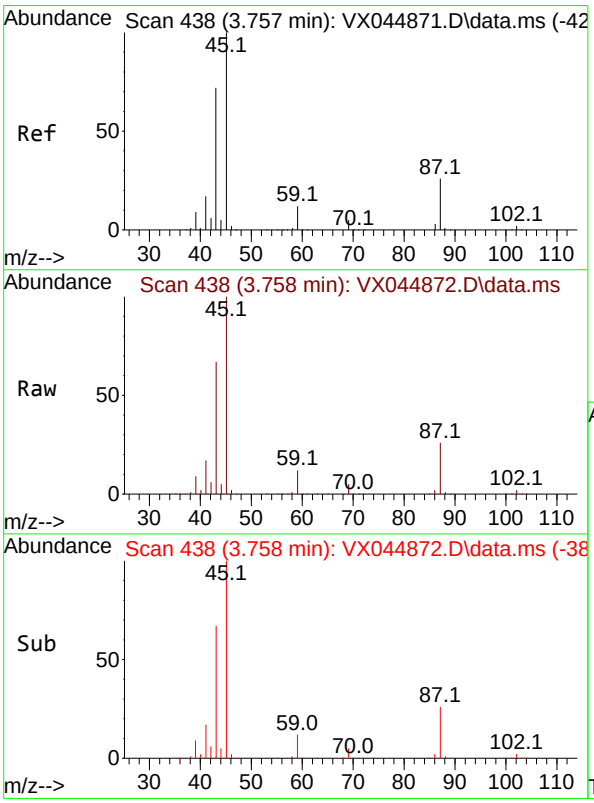
#21
trans-1,2-Dichloroethene
Concen: 99.864 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 164067

Ion	Ratio	Lower	Upper
96	100		
61	140.2	106.0	159.0
98	62.8	50.6	76.0

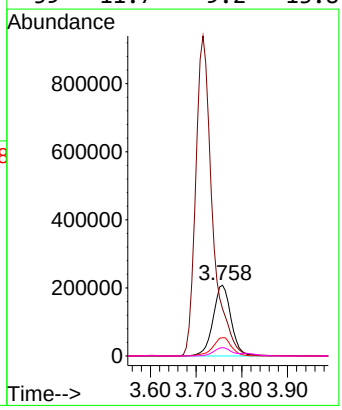


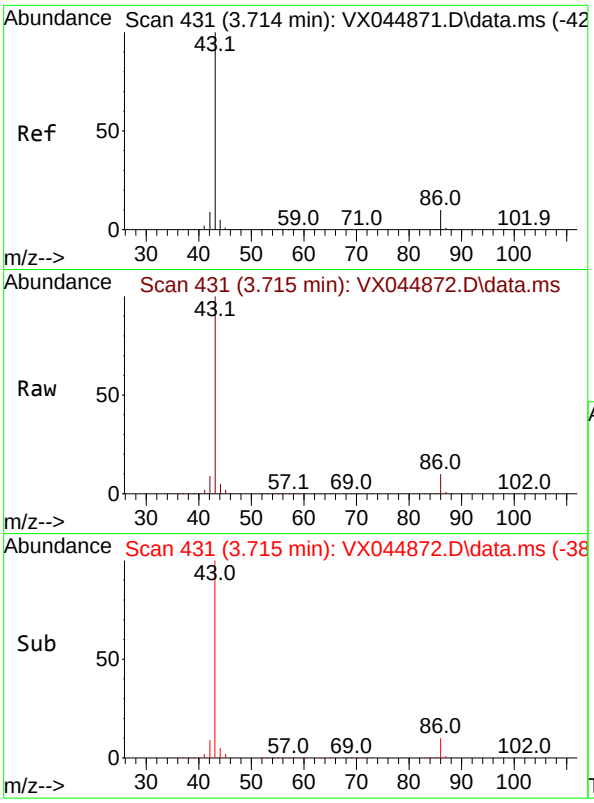


#22
Diisopropyl ether
Concen: 99.157 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 45 Resp: 565927

Ion	Ratio	Lower	Upper
45	100		
43	66.7	58.0	87.0
87	25.7	20.7	31.1
59	11.7	9.2	13.8



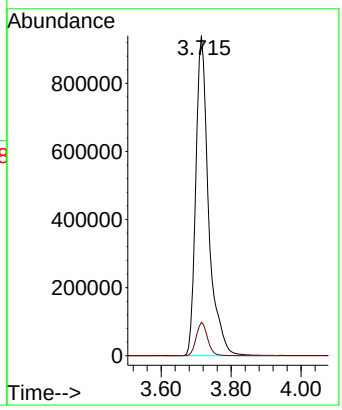


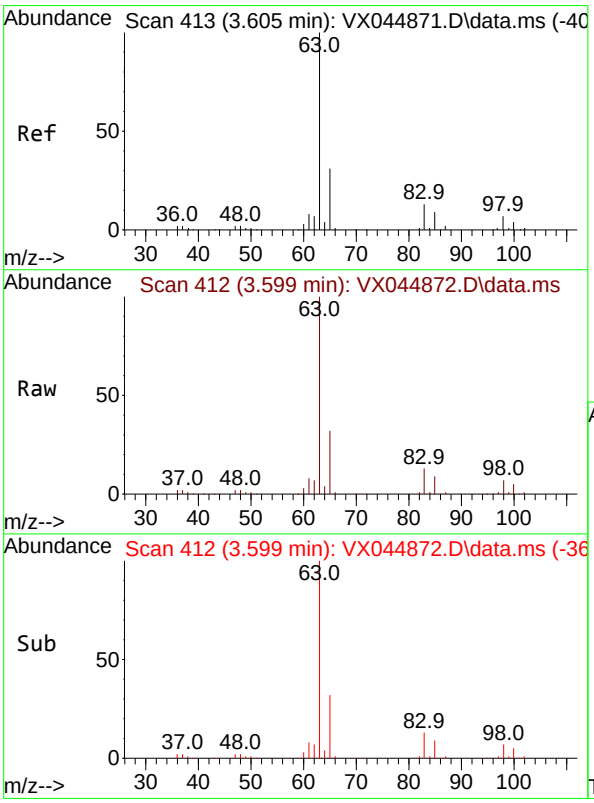
#23
Vinyl Acetate
Concen: 513.051 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2387200

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

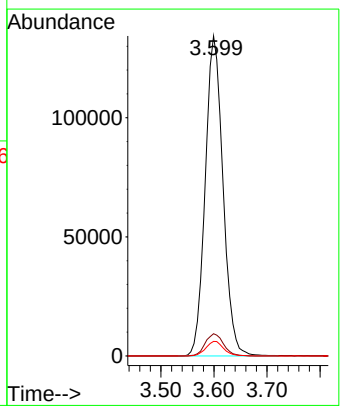


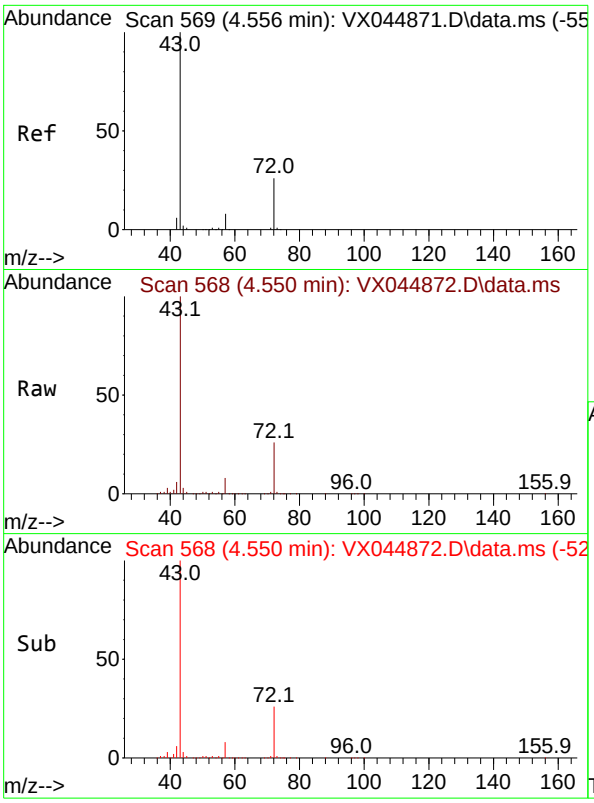


#24
1,1-Dichloroethane
Concen: 98.064 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 313164

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.9
100	4.5	2.1	6.5



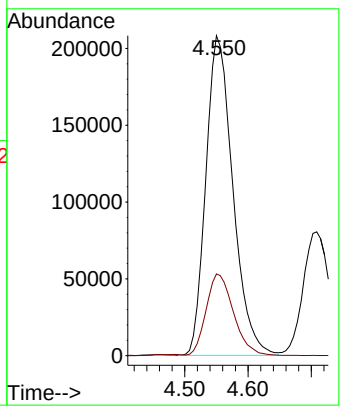


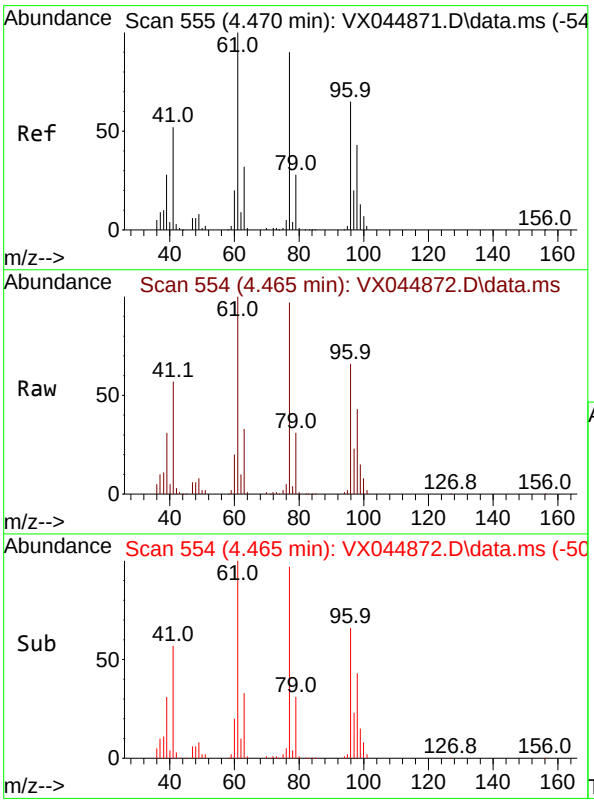
#25
2-Butanone
Concen: 498.801 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 617283

Ion	Ratio	Lower	Upper
43	100		
72	25.4	21.2	31.8

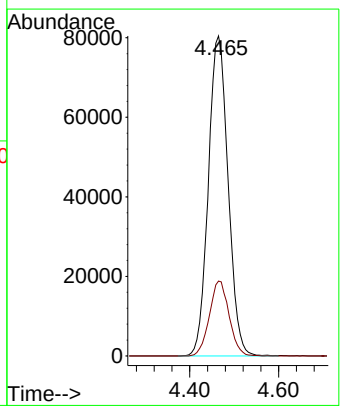


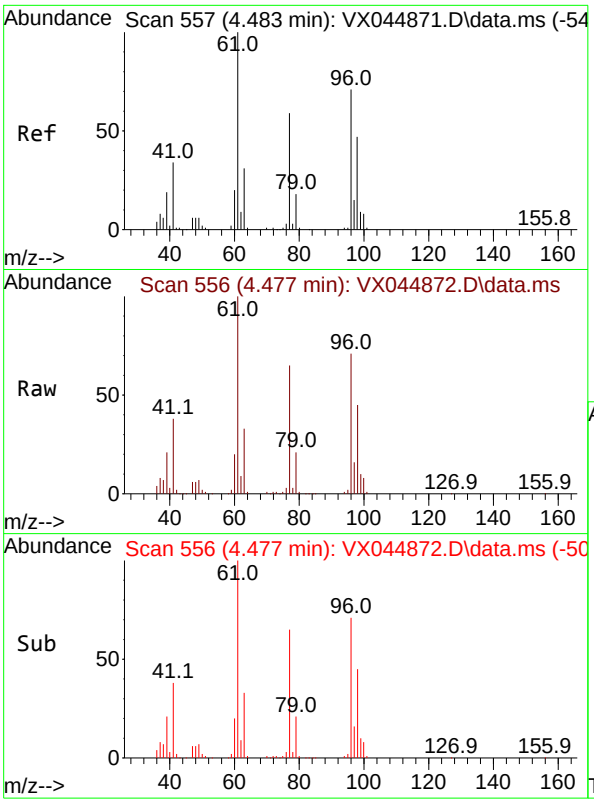


#26
2,2-Dichloropropane
Concen: 98.053 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 77 Resp: 248324

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.8	35.3



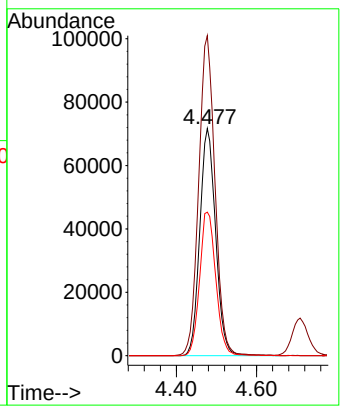


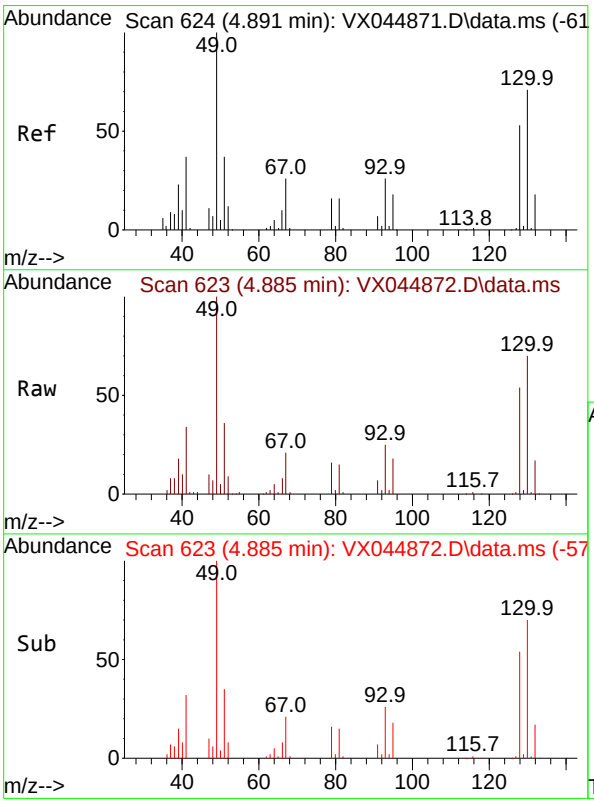
#27
cis-1,2-Dichloroethene
Concen: 99.513 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 196381

Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	294.0
98	64.6	0.0	131.2

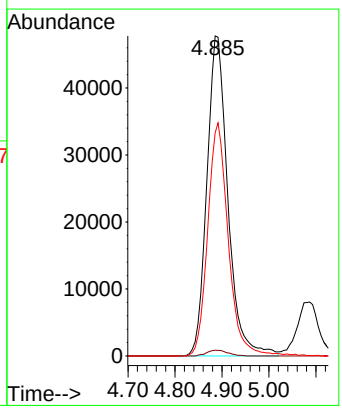


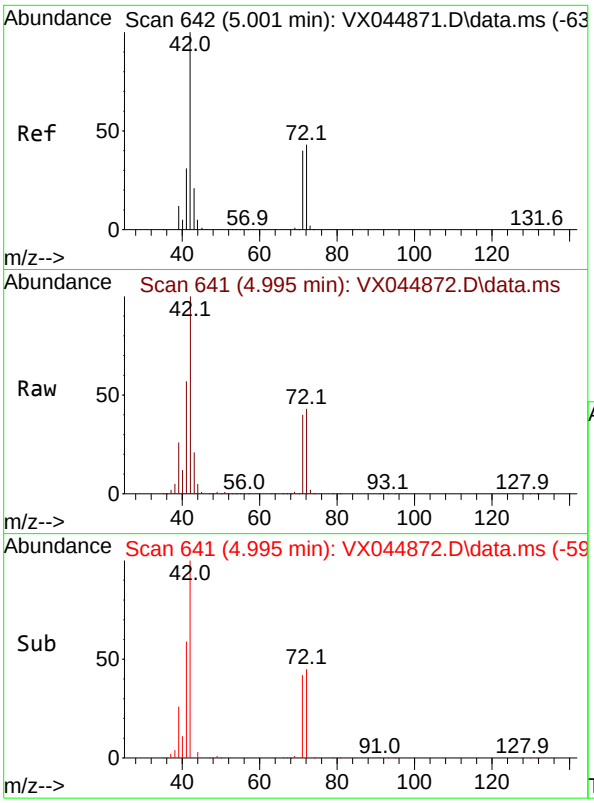


#28
Bromochloromethane
Concen: 96.524 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 49 Resp: 148137

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	71.1	56.7	85.1



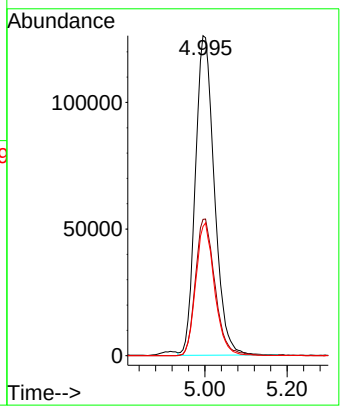


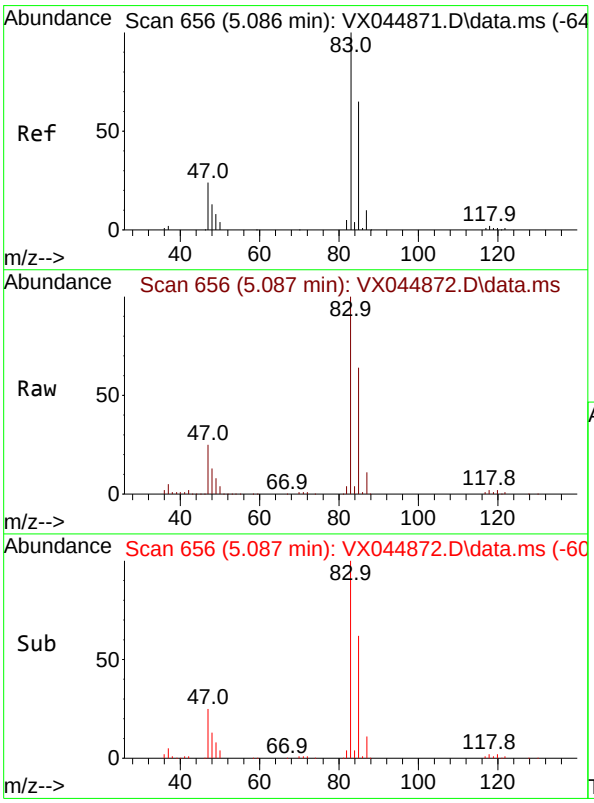
#29
Tetrahydrofuran
Concen: 493.104 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 405208

Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.0	52.4
71	40.8	32.6	48.8

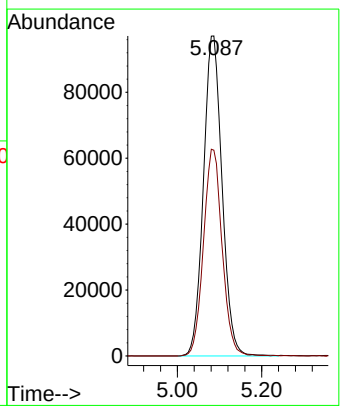


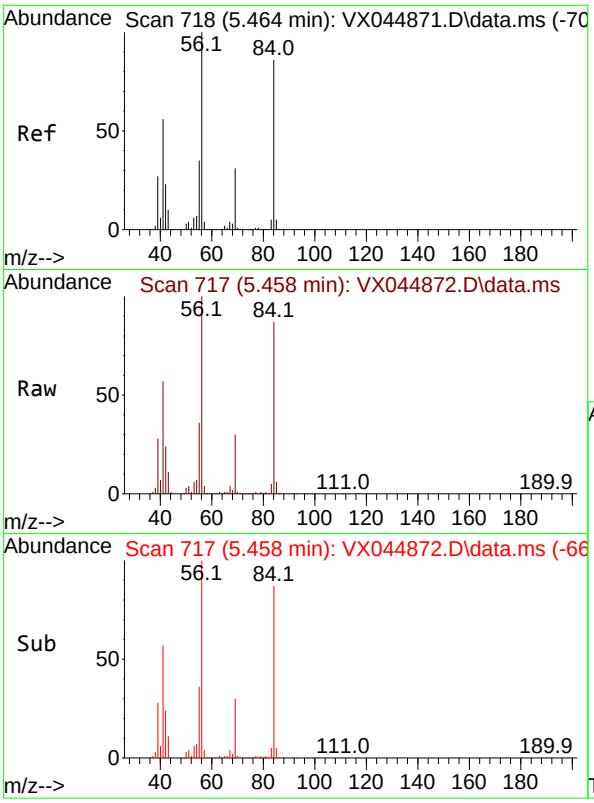


#30
Chloroform
Concen: 96.445 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 83 Resp: 298690

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1



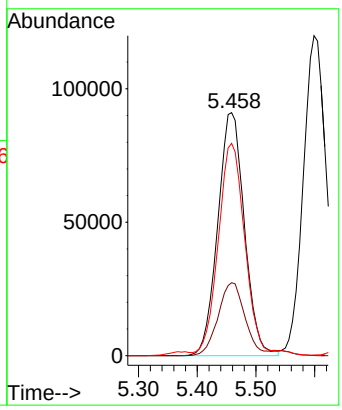


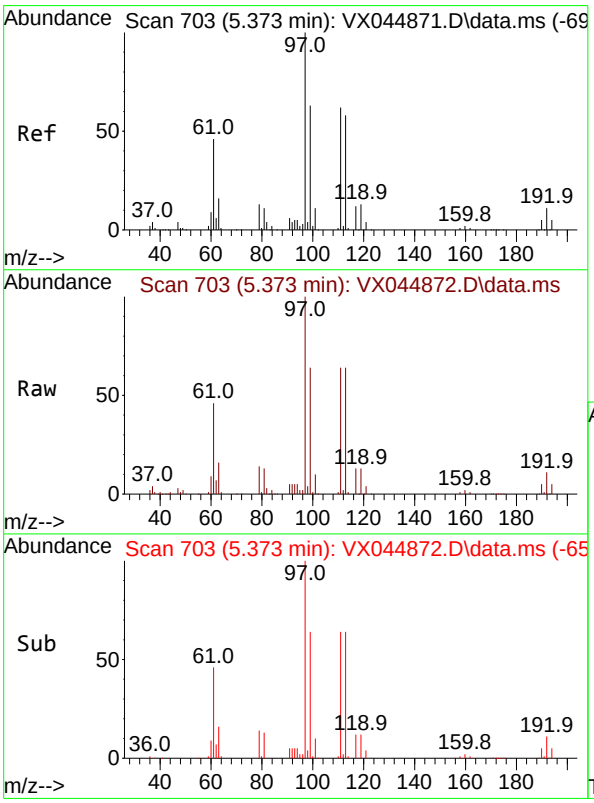
#31
Cyclohexane
Concen: 97.426 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 286830

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.4	36.6
84	85.7	69.0	103.6

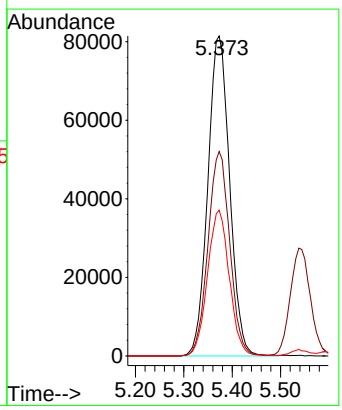


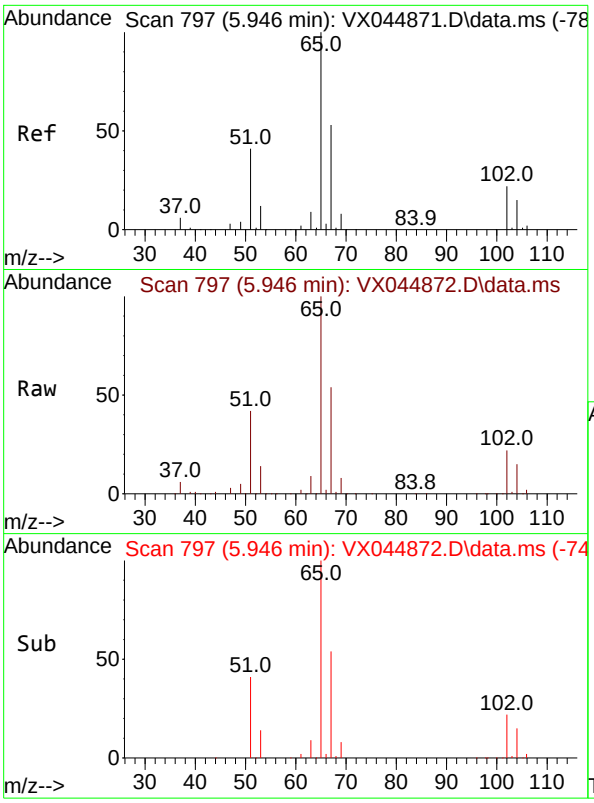


#32
1,1,1-Trichloroethane
Concen: 97.050 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 97 Resp: 254941

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.8	36.6	55.0



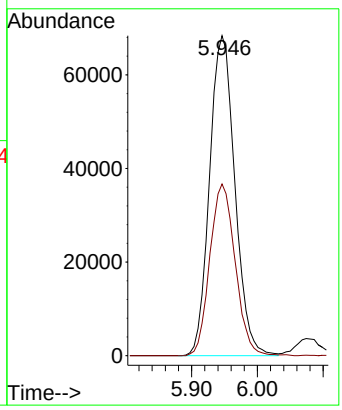


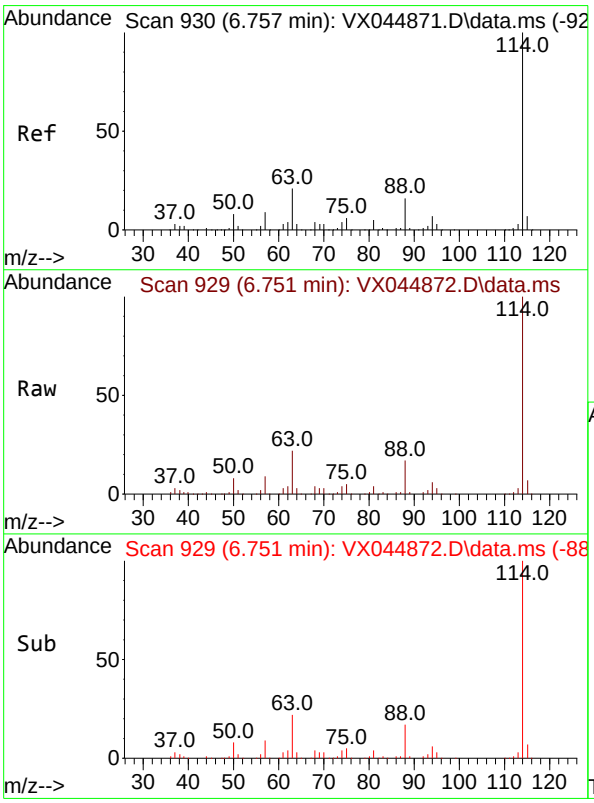
#33
1,2-Dichloroethane-d4
Concen: 96.580 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 183093

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	108.2

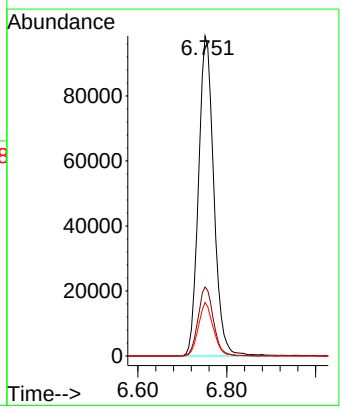


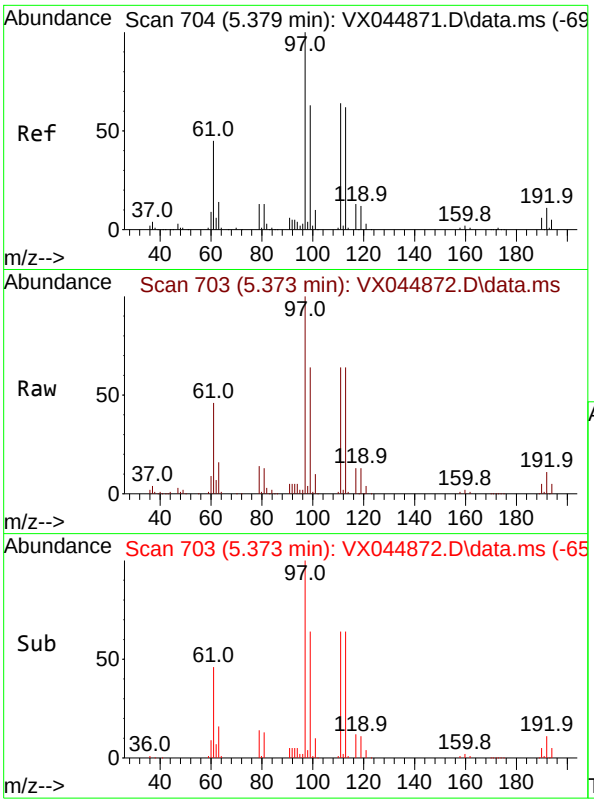


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:114 Resp: 236372

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.4
88	16.7	0.0	31.4



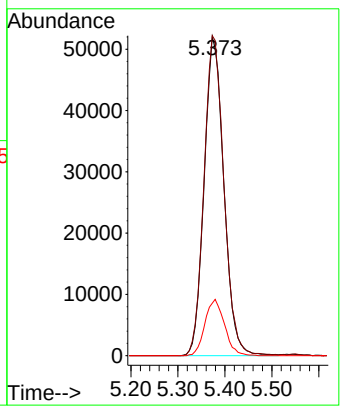


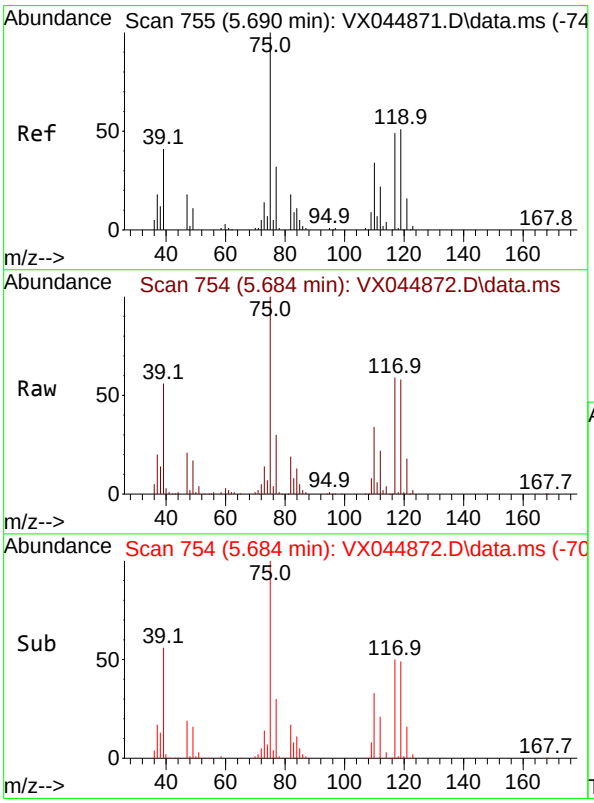
#35
Dibromofluoromethane
Concen: 98.404 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 151228

Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.5	125.3
192	17.6	14.4	21.6

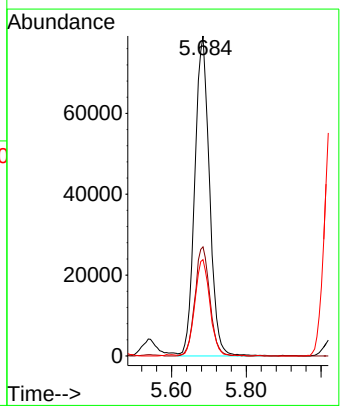


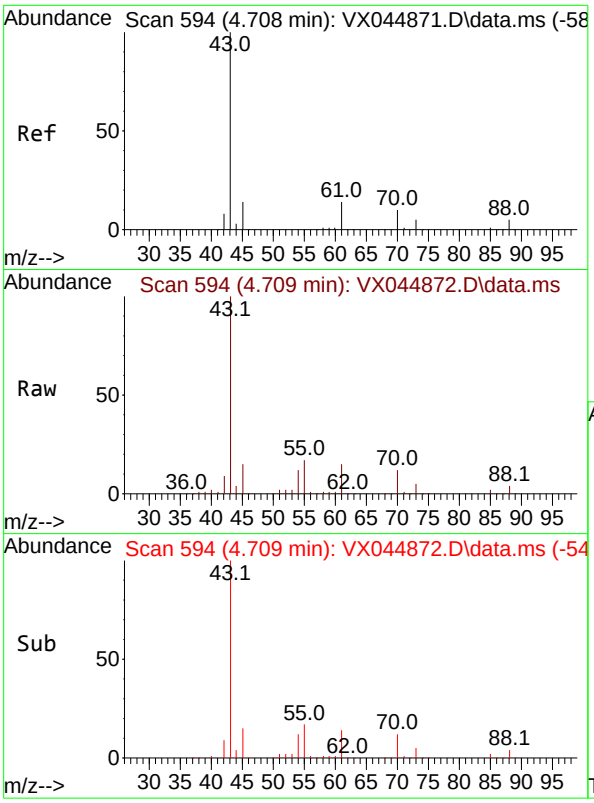


#36
1,1-Dichloropropene
Concen: 97.422 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 216005

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.9	24.6	37.0



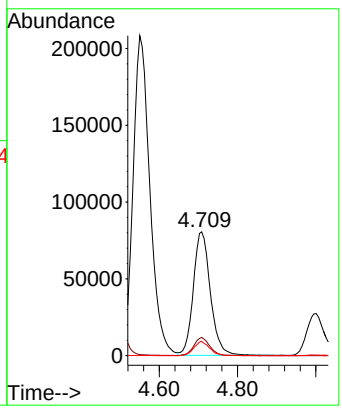


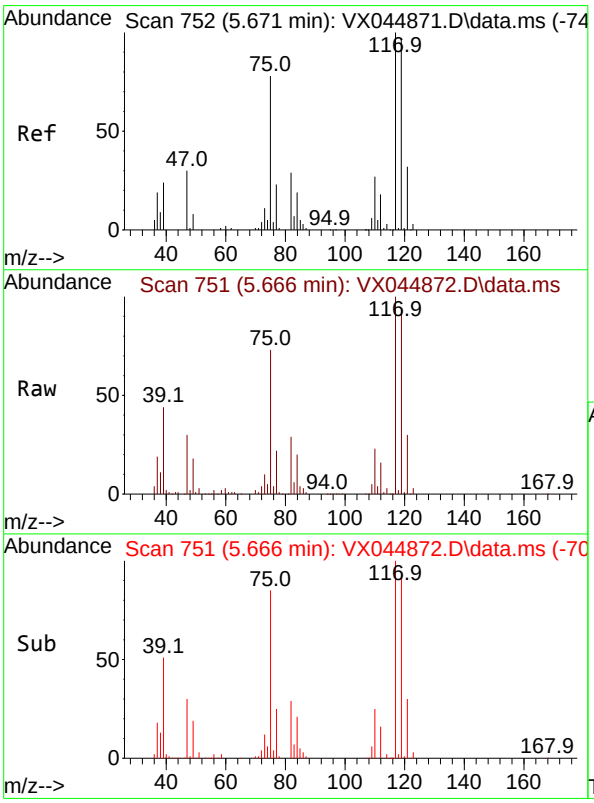
#37
Ethyl Acetate
Concen: 99.005 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 244164

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.6	8.2	12.2

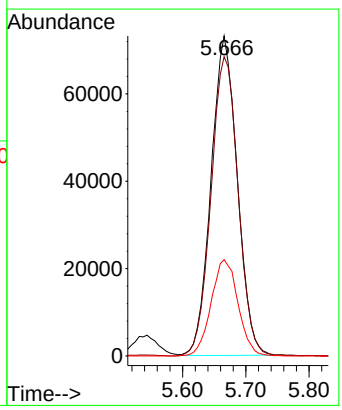


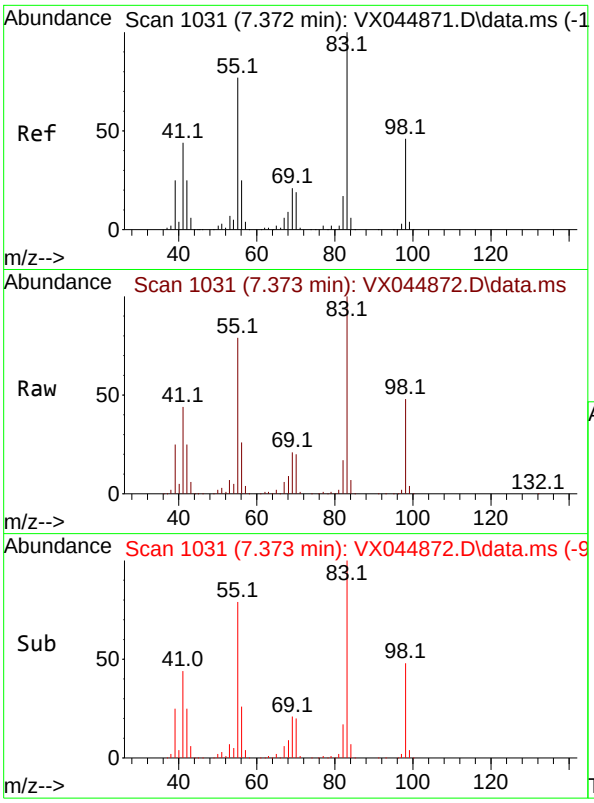


#38
Carbon Tetrachloride
Concen: 96.828 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:117 Resp: 210381

Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.5	116.3
121	30.2	25.6	38.4



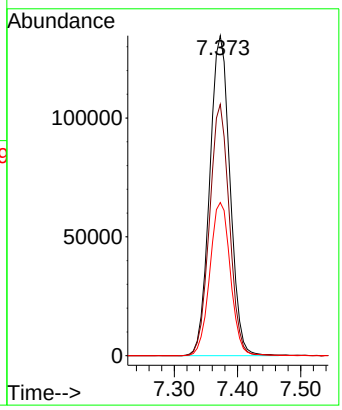


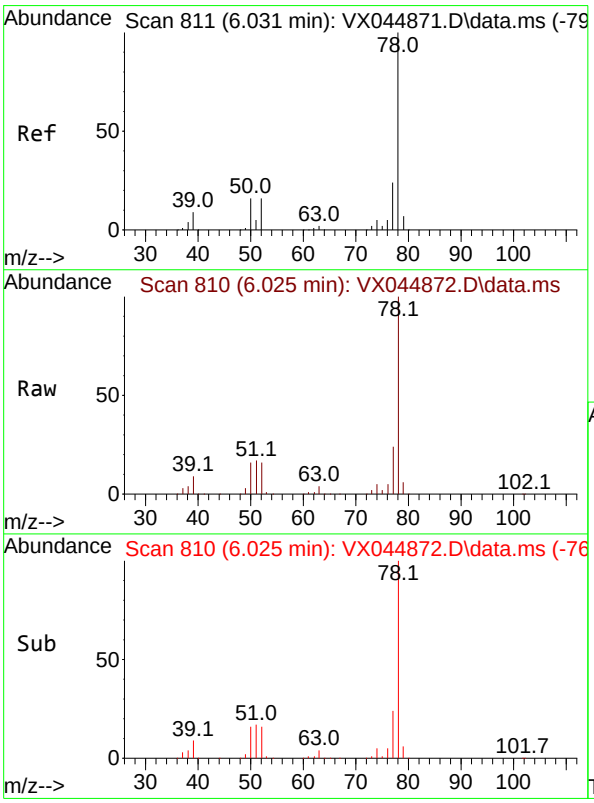
#39
Methylcyclohexane
Concen: 104.554 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 299703

Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.3	91.9
98	47.8	37.0	55.6

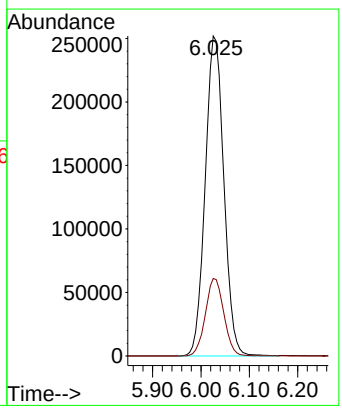


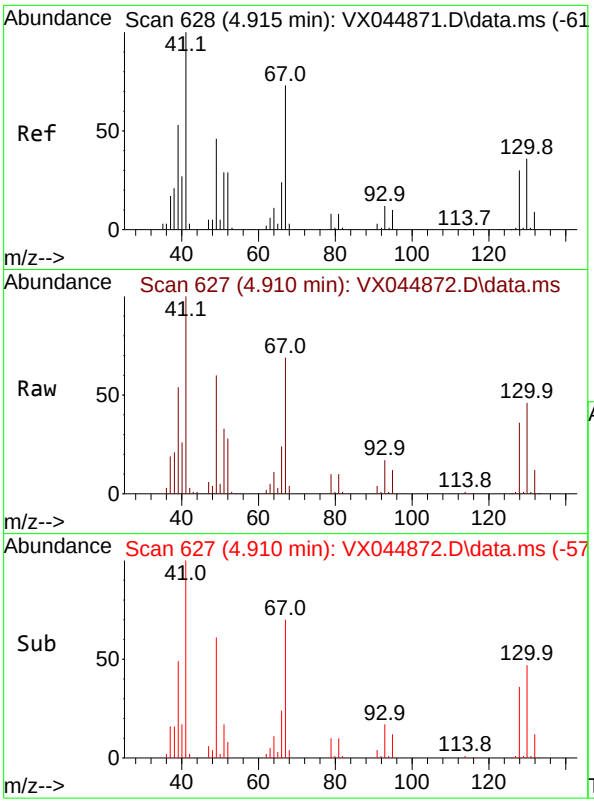


#40
Benzene
Concen: 97.576 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 78 Resp: 675556

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6



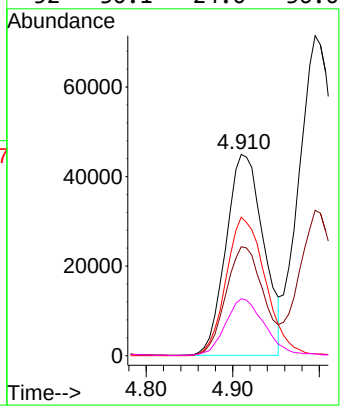


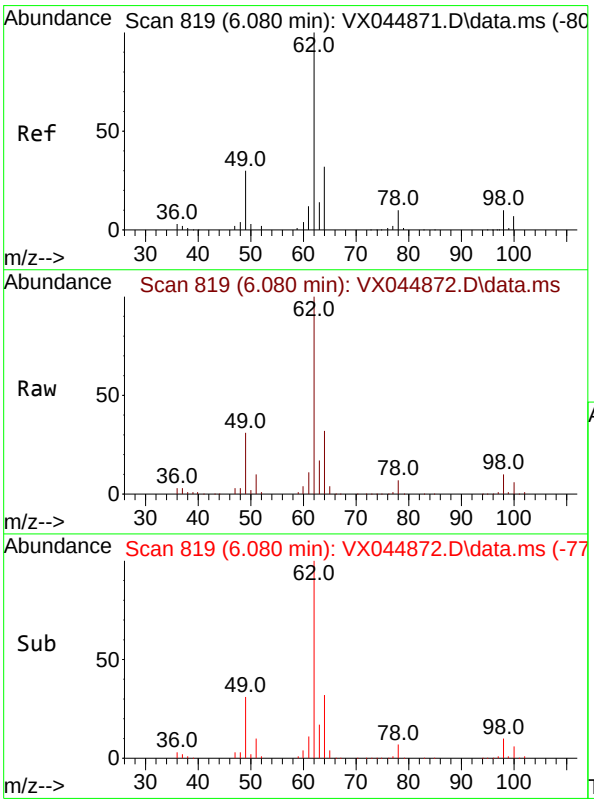
#41
Methacrylonitrile
Concen: 102.745 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 135629

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	72.4	57.0	85.6
52	30.1	24.0	36.0

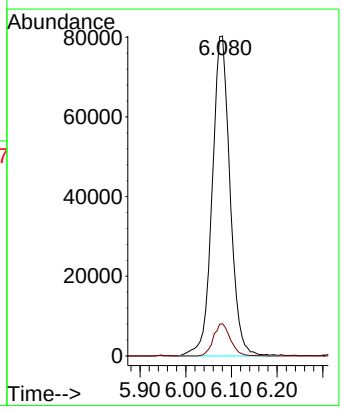


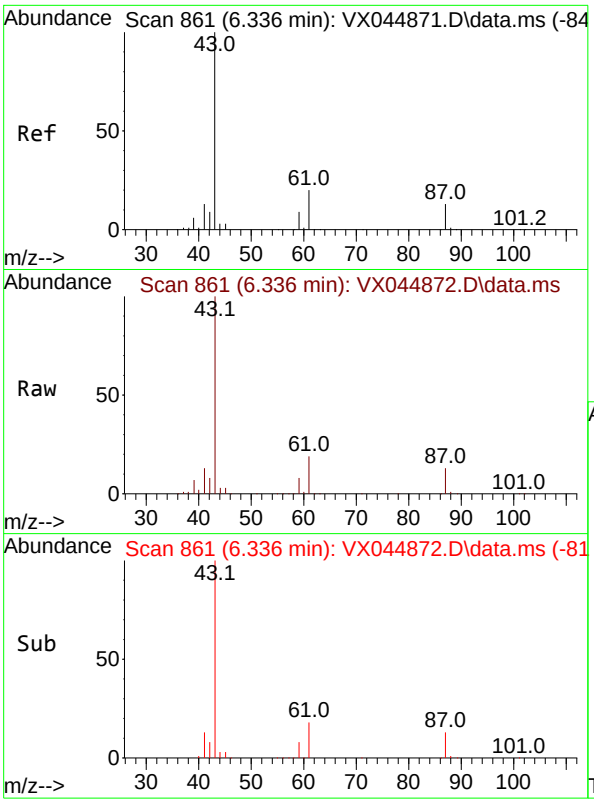


#42
1,2-Dichloroethane
Concen: 98.875 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 218174

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4



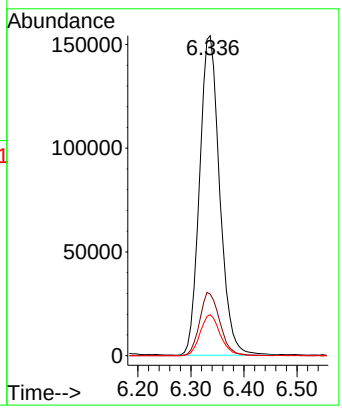


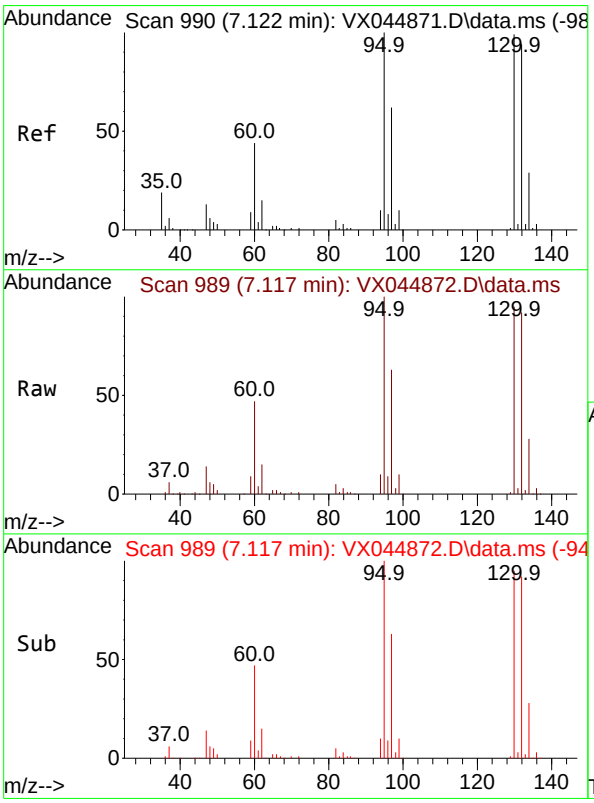
#43
Isopropyl Acetate
Concen: 101.818 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 405489

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.8
87	12.8	10.0	15.0

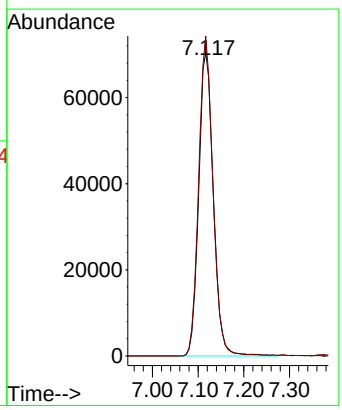


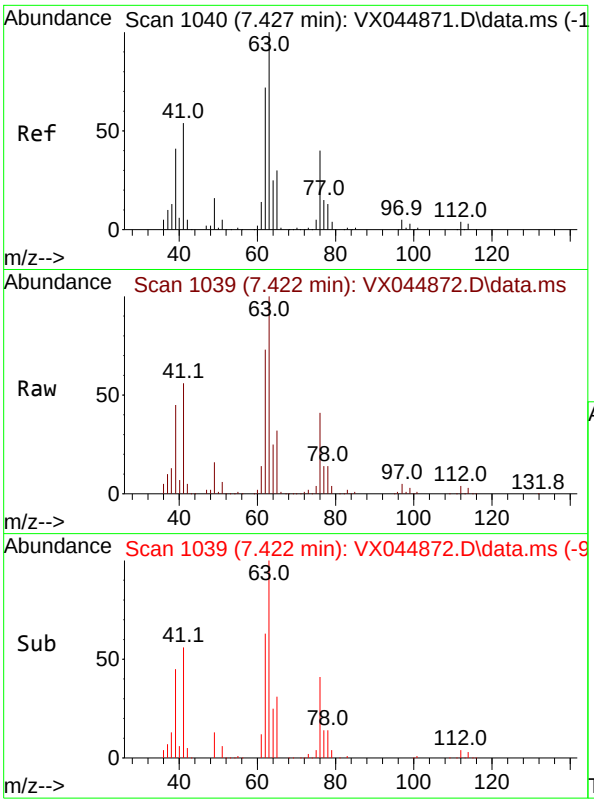


#44
Trichloroethene
Concen: 99.103 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:130 Resp: 156832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	202.4



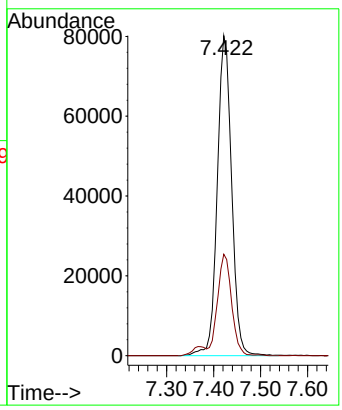


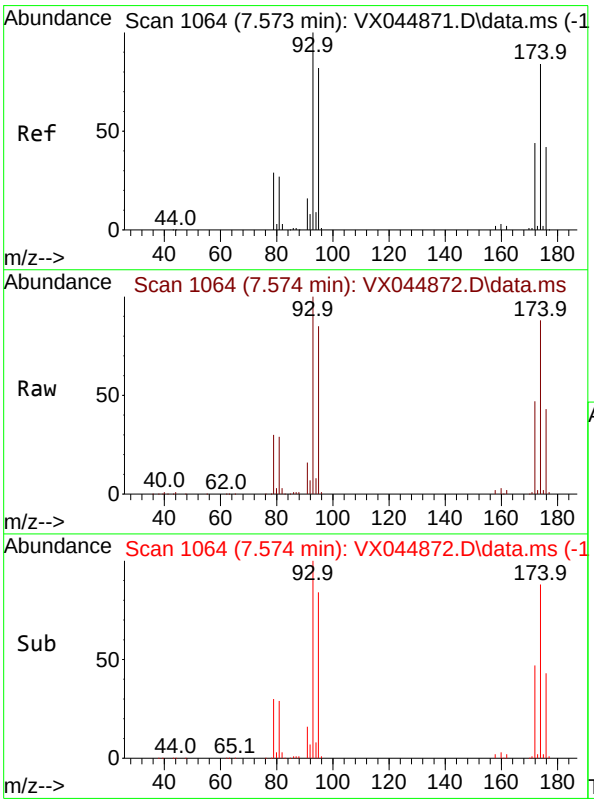
#45
1,2-Dichloropropane
Concen: 98.893 ug/l
RT: 7.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 170337

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.2	36.4

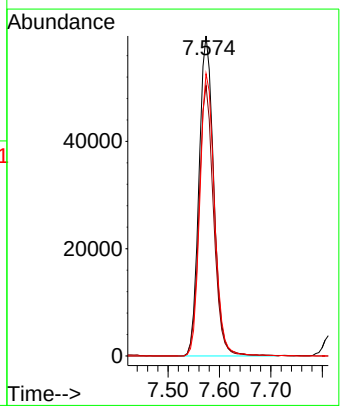


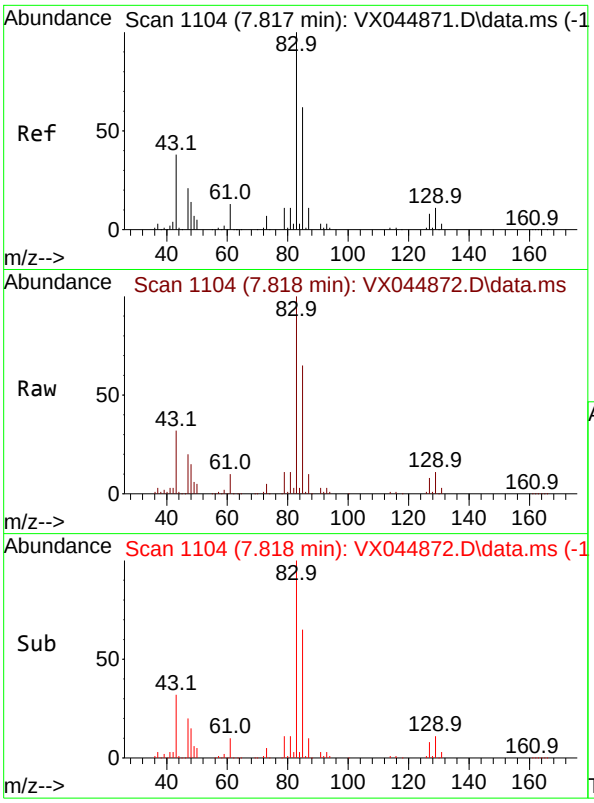


#46
Dibromomethane
Concen: 99.747 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 93 Resp: 119149

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.2	99.4
174	88.1	69.9	104.9



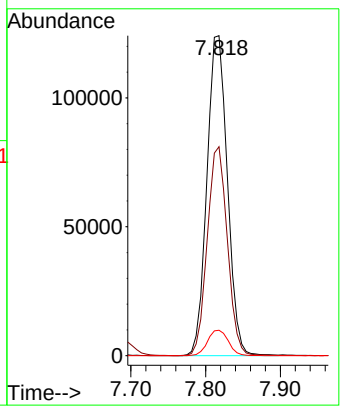


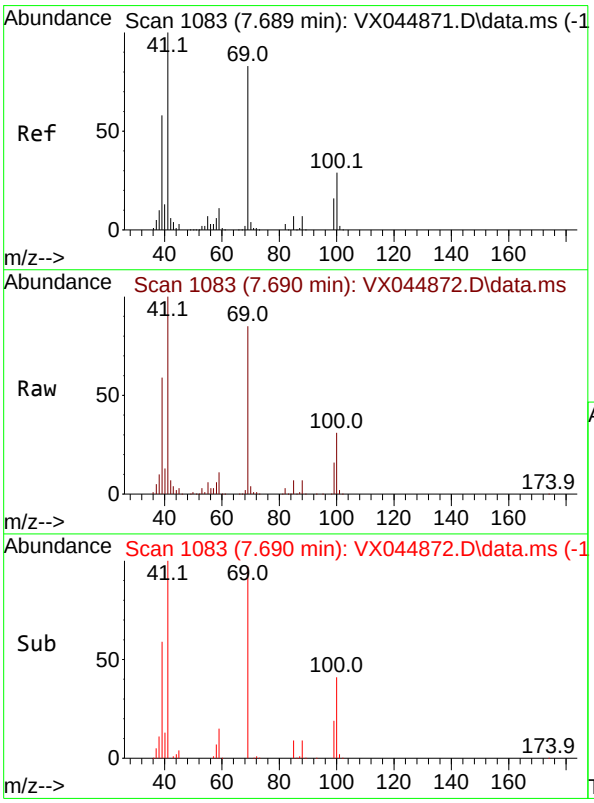
#47
Bromodichloromethane
Concen: 102.254 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 236506

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.0	75.0
127	8.0	6.4	9.6

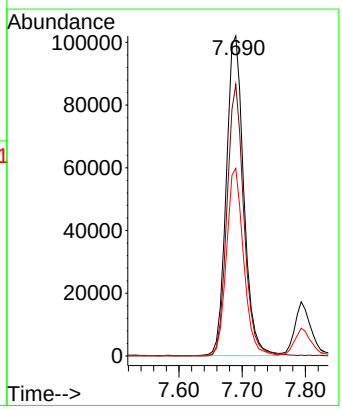


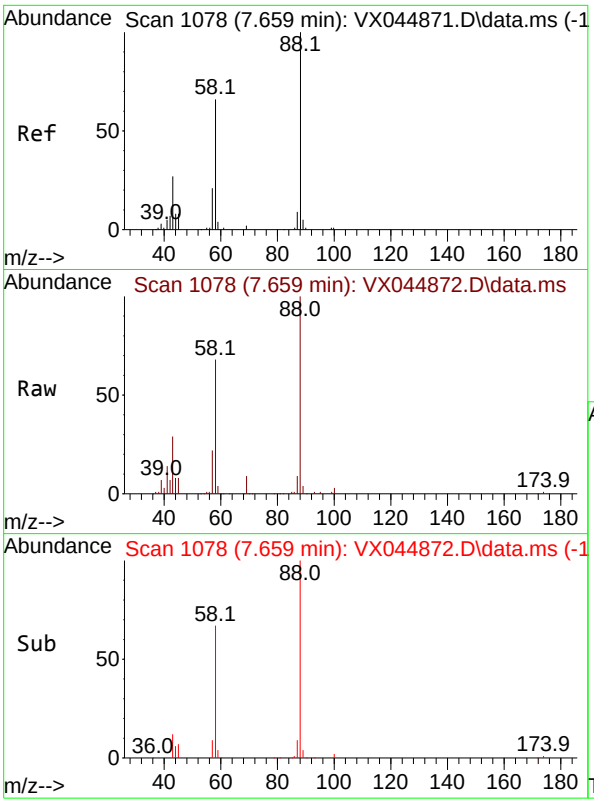


#48
Methyl methacrylate
Concen: 104.321 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 195892

Ion	Ratio	Lower	Upper
41	100		
69	82.1	65.8	98.8
39	57.3	46.4	69.6



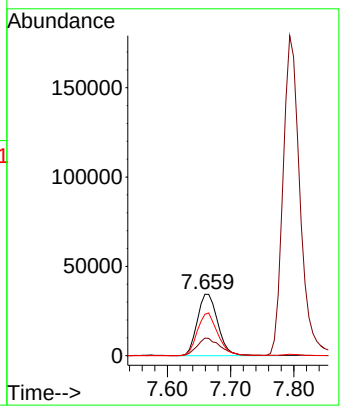


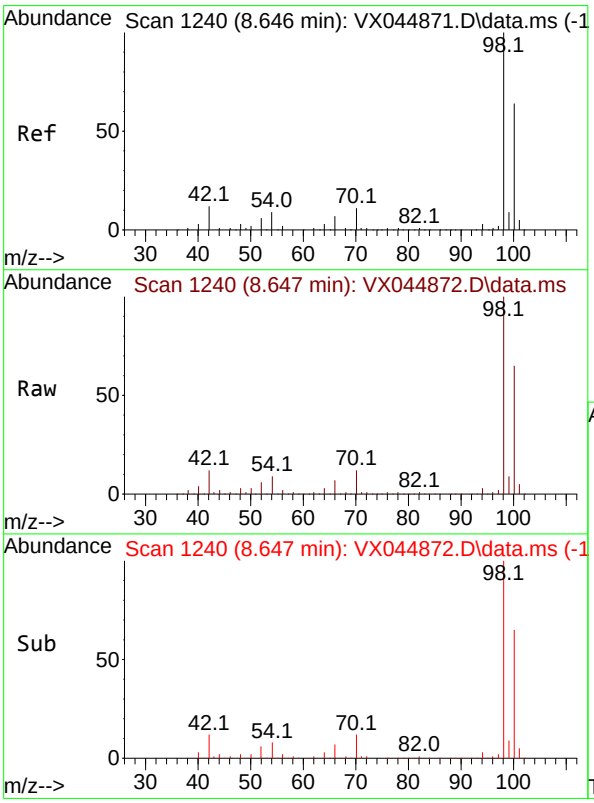
#49
1,4-Dioxane
Concen: 1931.508 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 77816

Ion	Ratio	Lower	Upper
88	100		
43	31.8	26.6	39.8
58	68.9	55.9	83.9

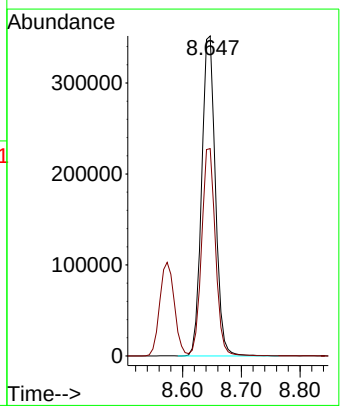


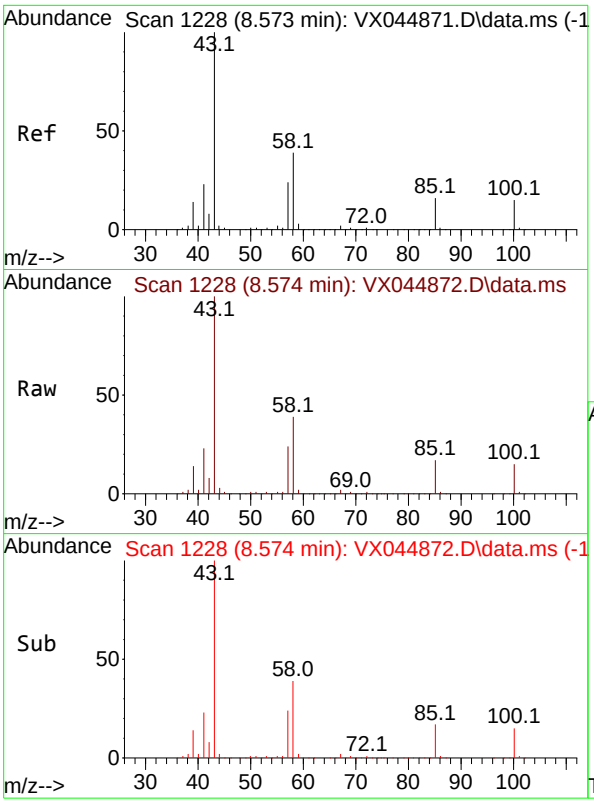


#50
Toluene-d8
Concen: 98.253 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 98 Resp: 570976

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1



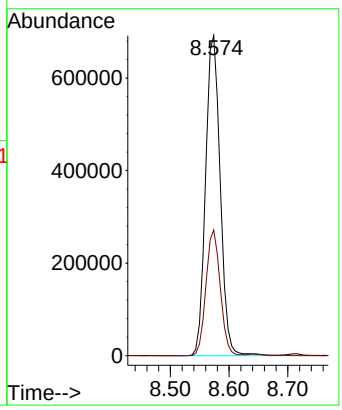


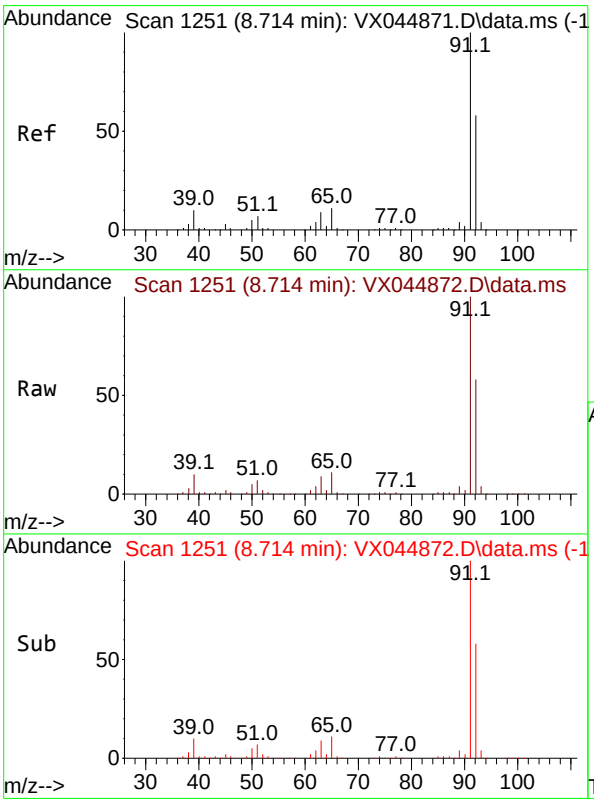
#51
4-Methyl-2-Pentanone
Concen: 494.353 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1196887

Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.8	46.2

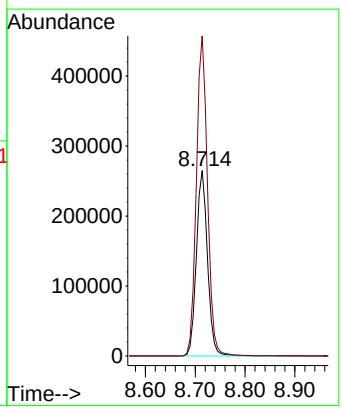


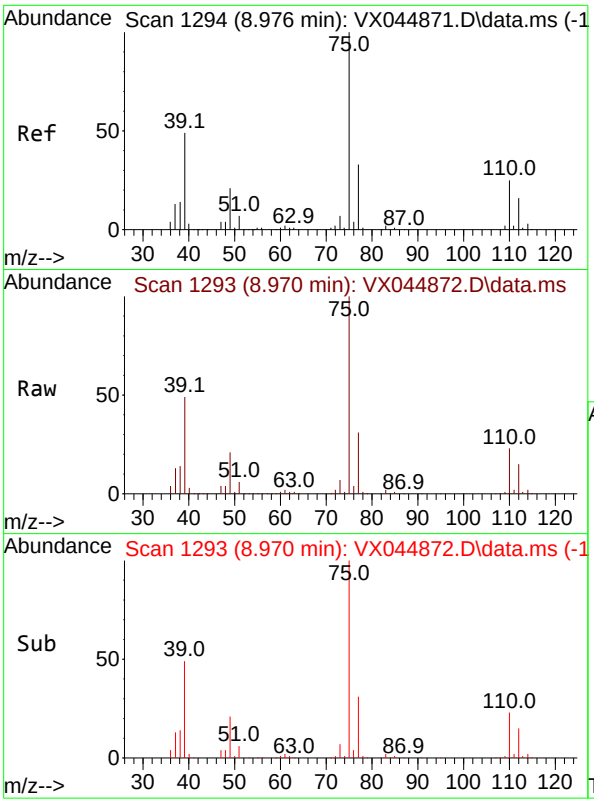


#52
Toluene
Concen: 99.270 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 92 Resp: 409318

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.4	206.2



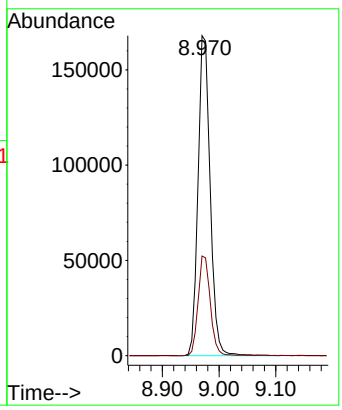


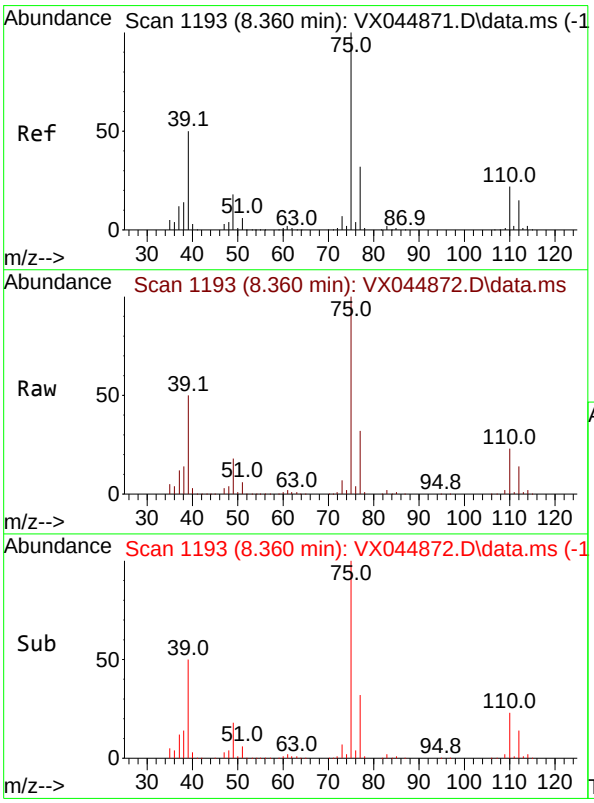
#53
t-1,3-Dichloropropene
Concen: 106.694 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 249725

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0

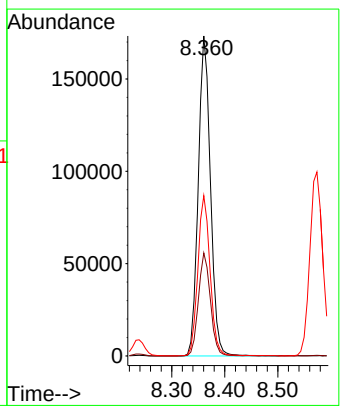


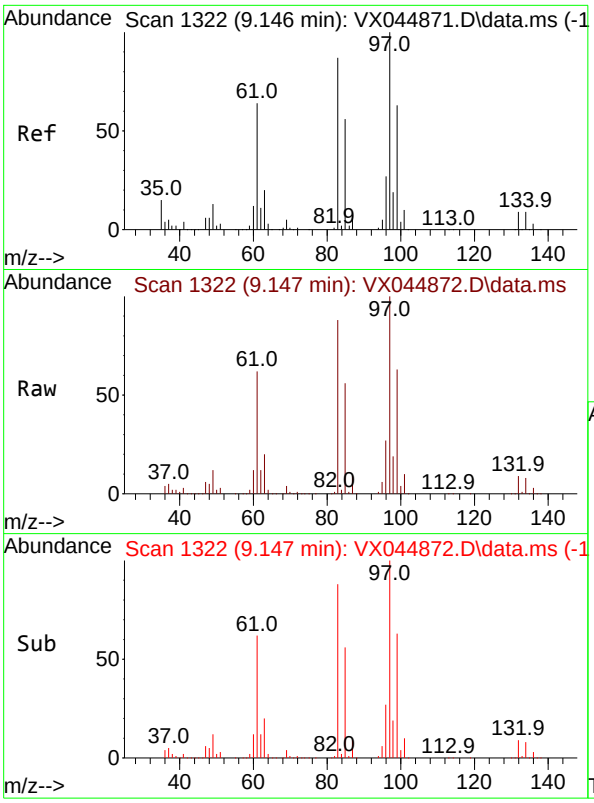


#54
cis-1,3-Dichloropropene
Concen: 106.287 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 277371

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.3	37.9
39	50.1	40.0	60.0



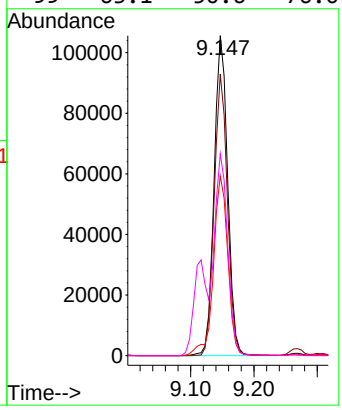


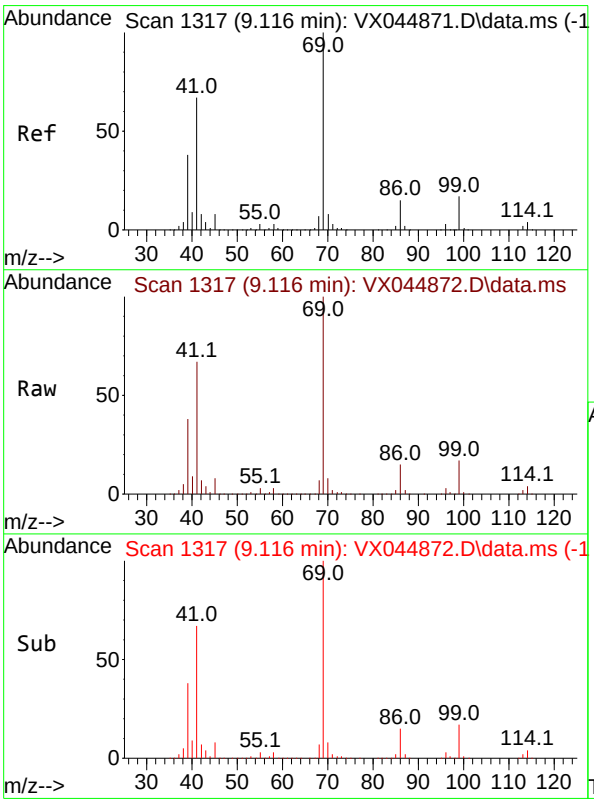
#55
1,1,2-Trichloroethane
Concen: 98.817 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 156629

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.8	104.6
85	56.2	44.8	67.2
99	63.1	50.6	76.0

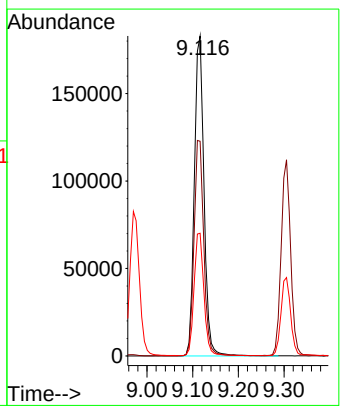


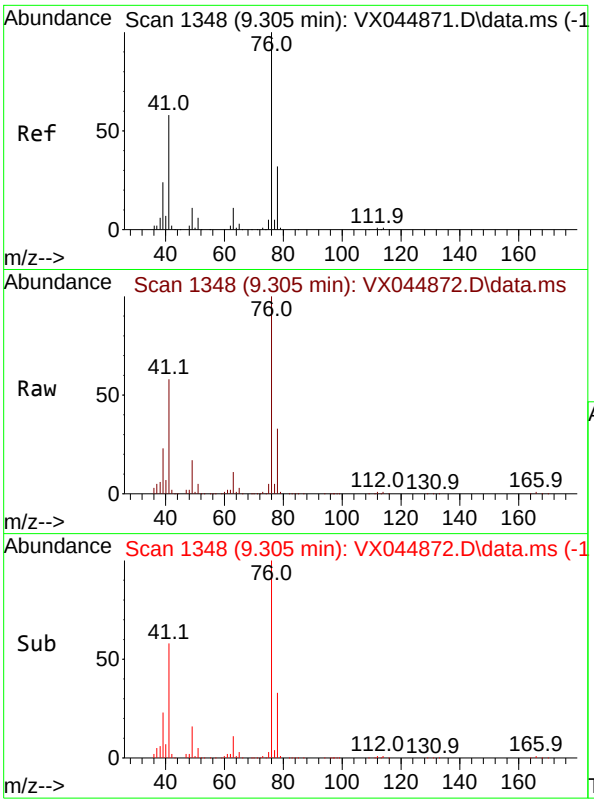


#56
Ethyl methacrylate
Concen: 104.958 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 69 Resp: 268693

Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.2	82.8
39	39.2	30.8	46.2



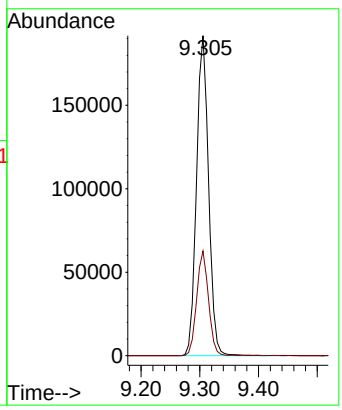


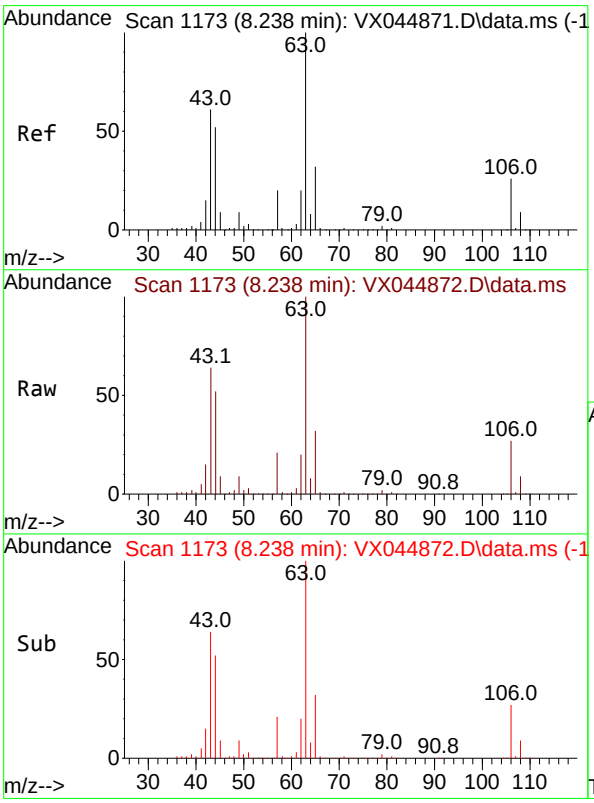
#57
1,3-Dichloropropane
Concen: 98.742 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 273845

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

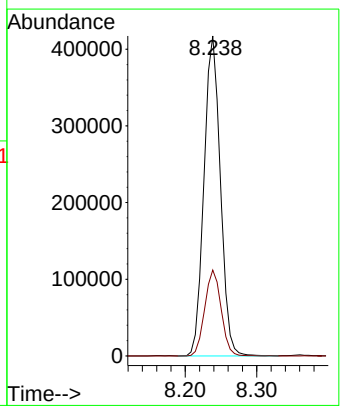


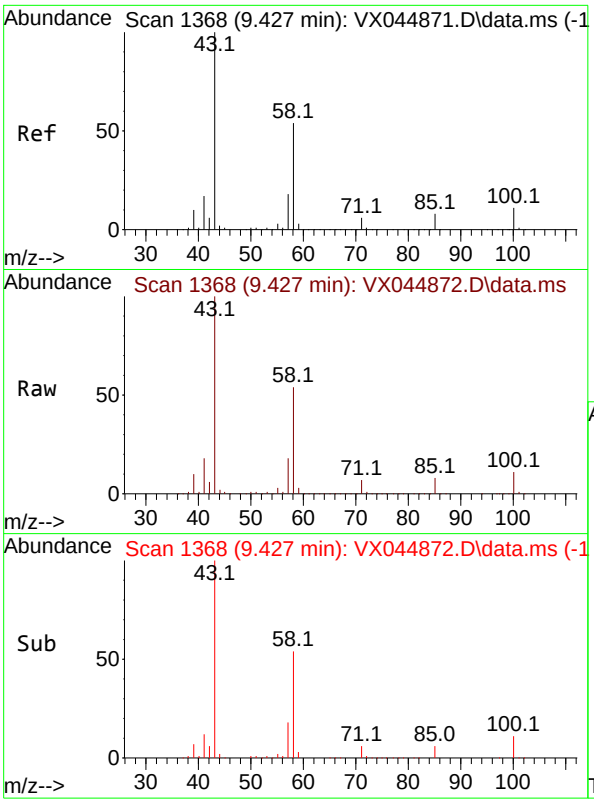


#58
2-Chloroethyl Vinyl ether
Concen: 528.405 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 664198

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.3	31.9



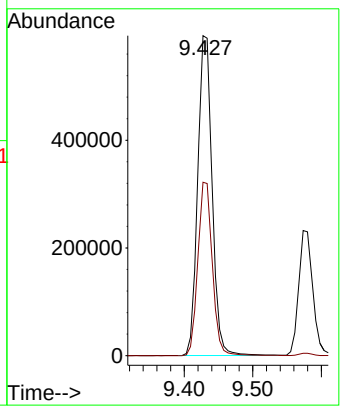


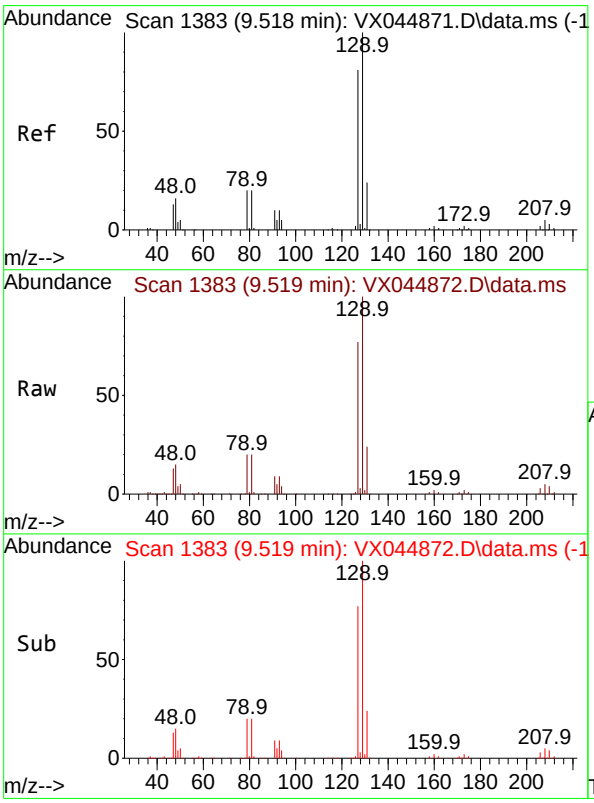
#59
2-Hexanone
Concen: 499.819 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 871904

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.5	82.4

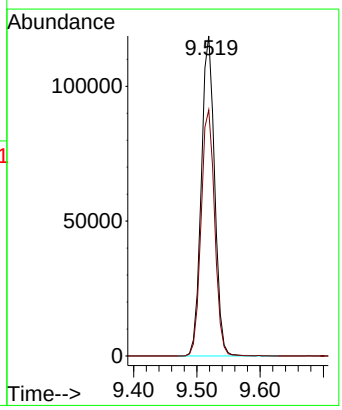


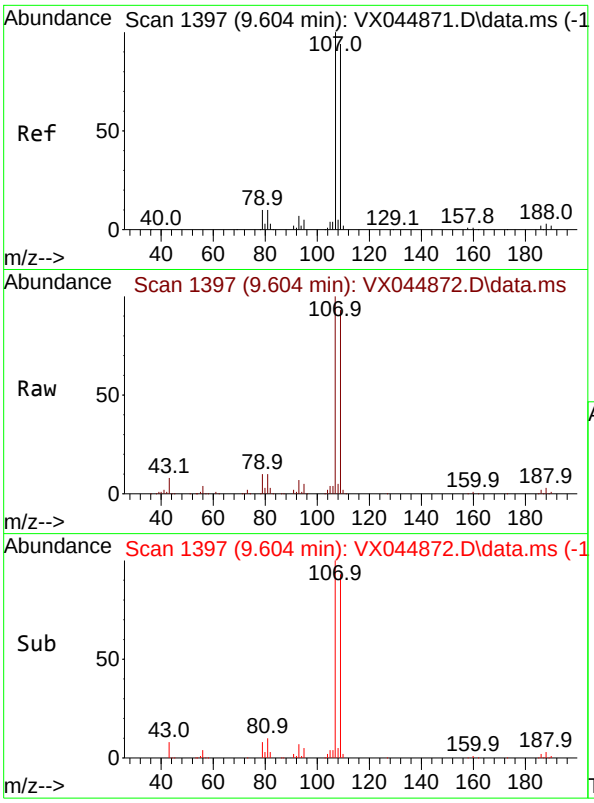


#60
Dibromochloromethane
Concen: 102.557 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:129 Resp: 173848

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.3



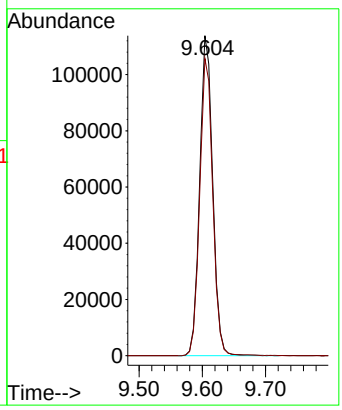


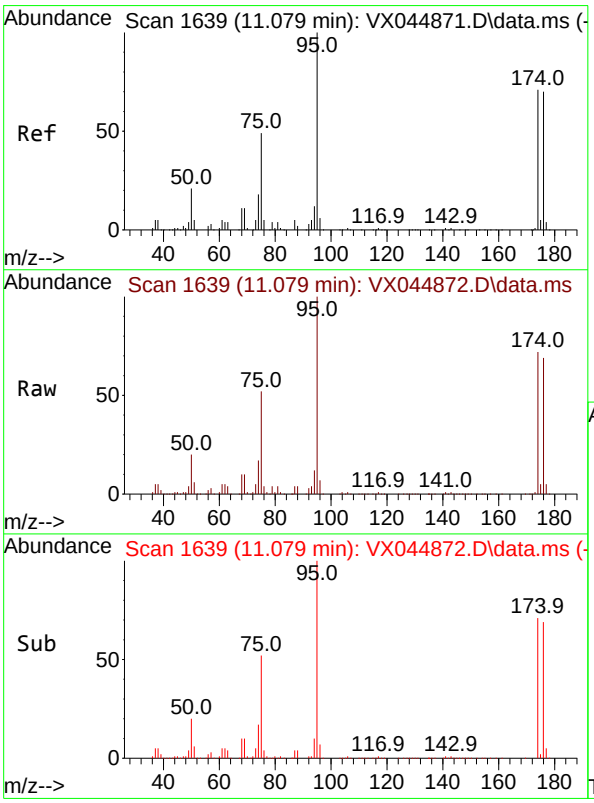
#61
1,2-Dibromoethane
Concen: 101.451 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 162982

Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.9	113.9

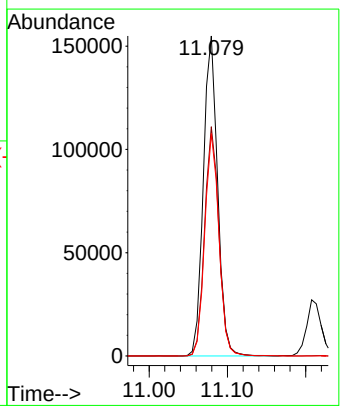


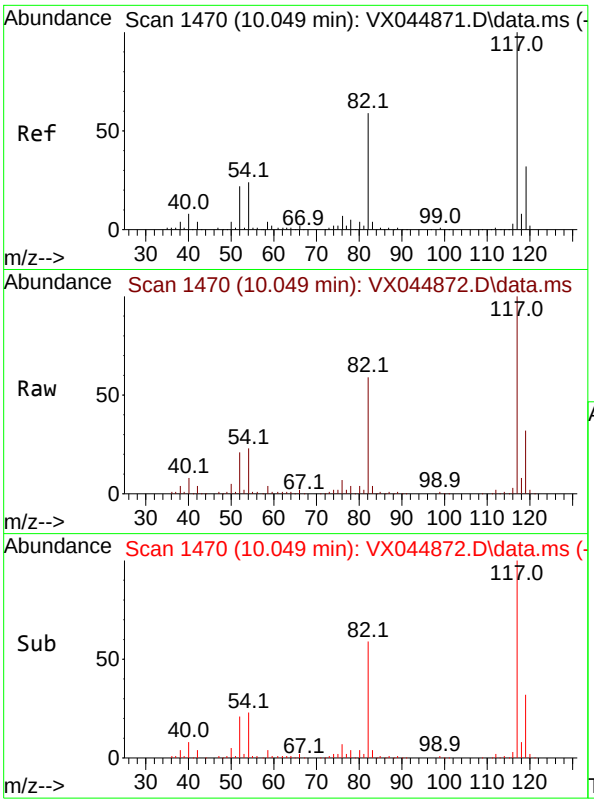


#62
4-Bromofluorobenzene
Concen: 100.079 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 95 Resp: 196066

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	142.6
176	68.8	0.0	141.6



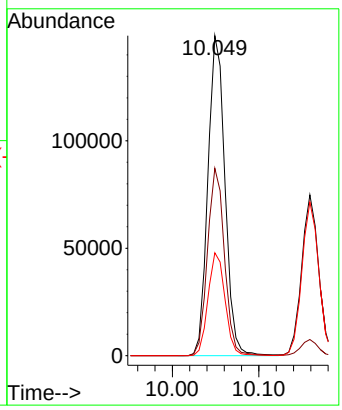


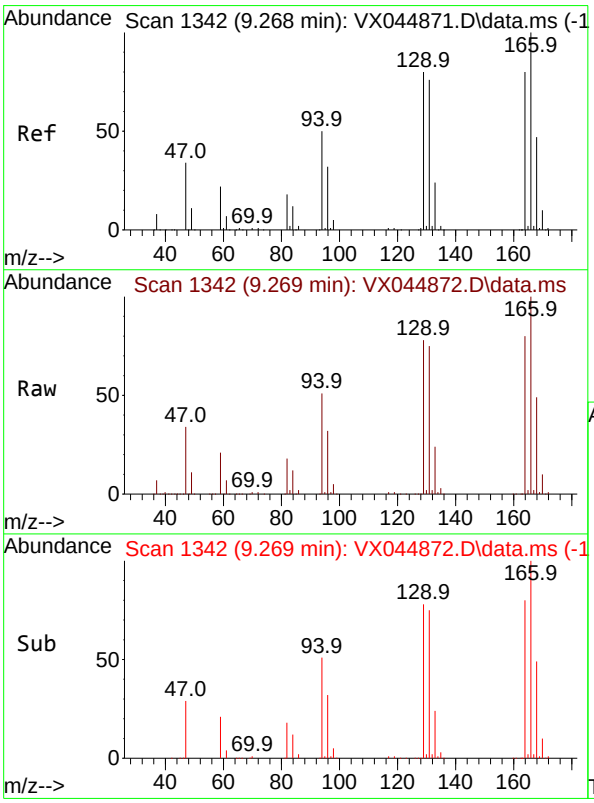
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 203881

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.5	71.3
119	32.2	25.4	38.0

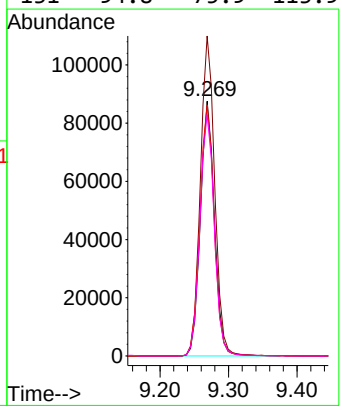


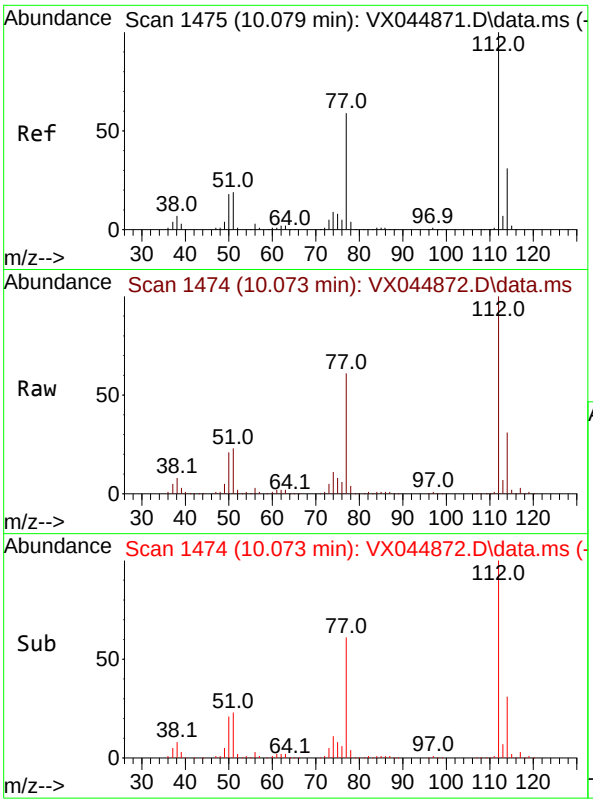


#64
Tetrachloroethene
Concen: 97.447 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:164 Resp: 125294

Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.4	150.6
129	98.6	79.9	119.9
131	94.8	75.9	113.9



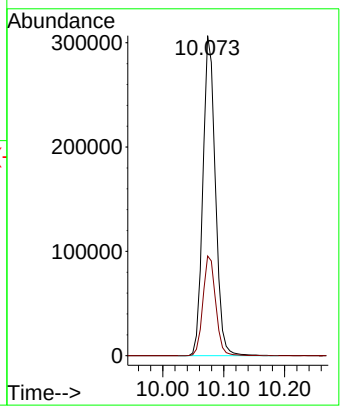


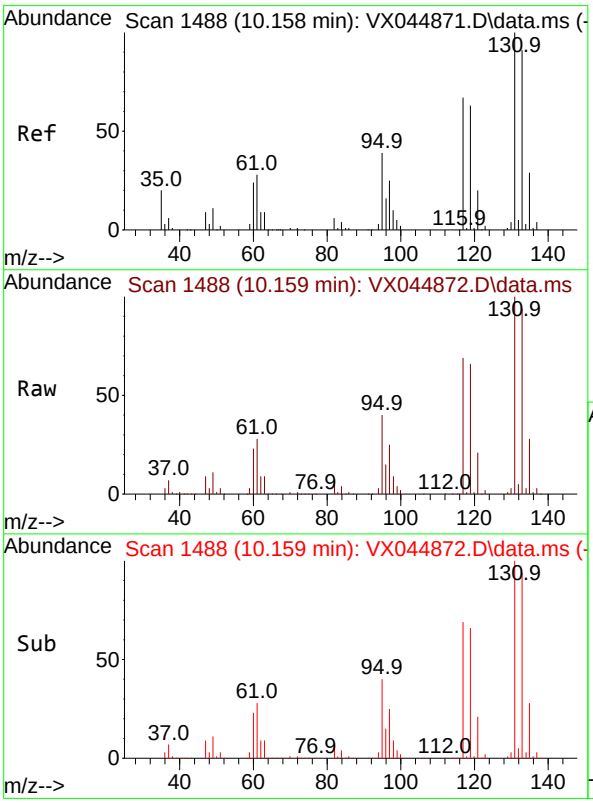
#65
Chlorobenzene
Concen: 99.694 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 436565

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.0	37.6

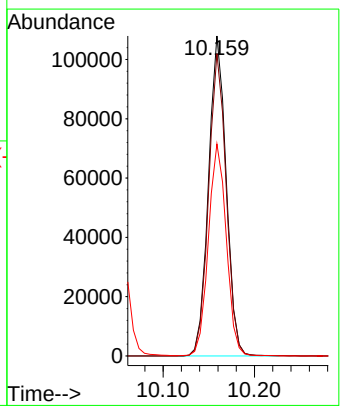


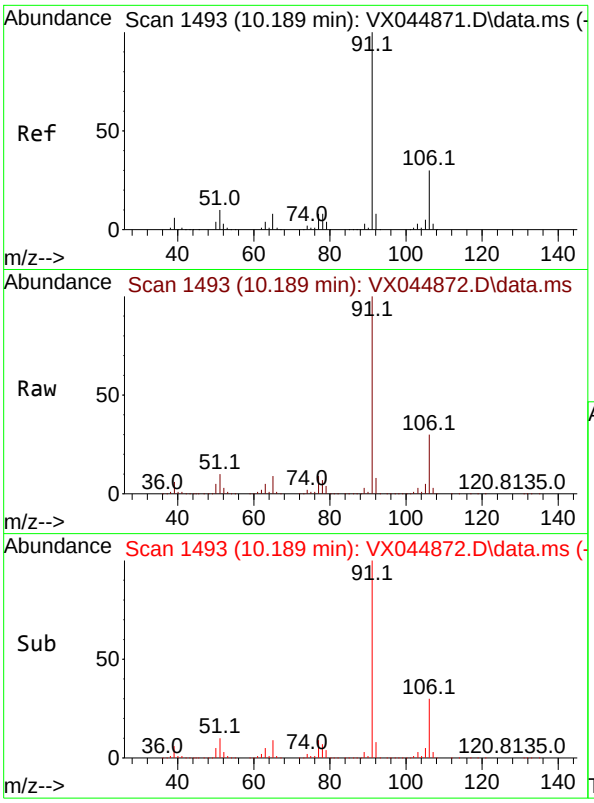


#66
1,1,1,2-Tetrachloroethane
Concen: 102.728 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:131 Resp: 144793

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.1	141.3
119	67.2	33.6	100.6



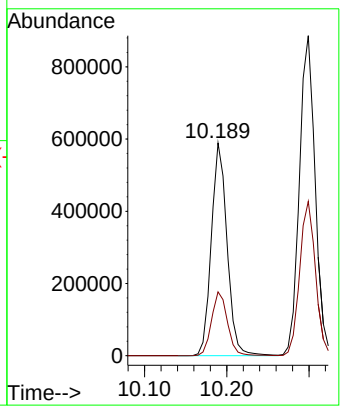


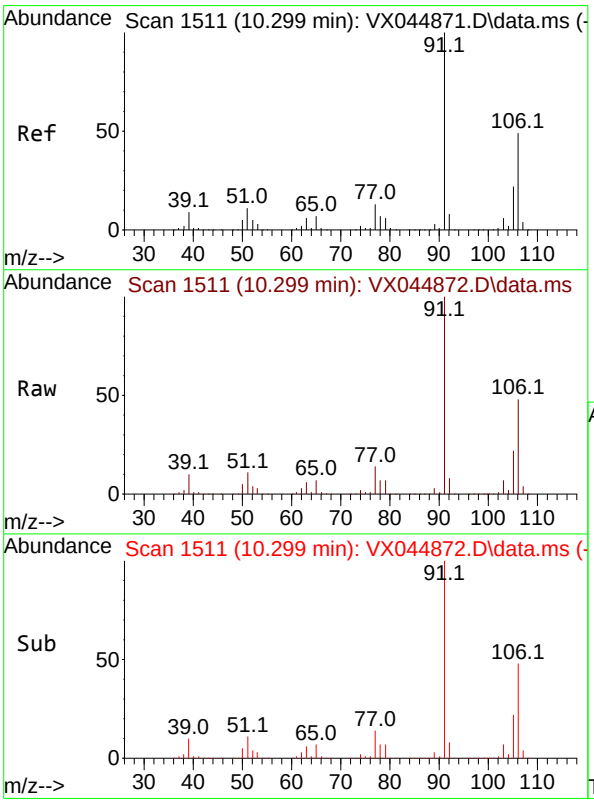
#67
Ethyl Benzene
Concen: 101.477 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 784184

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

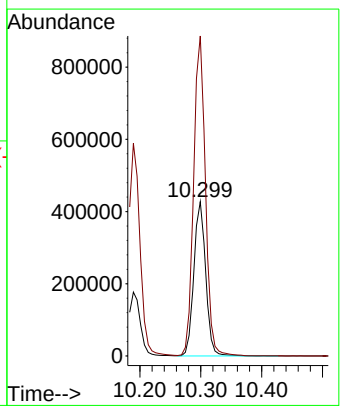


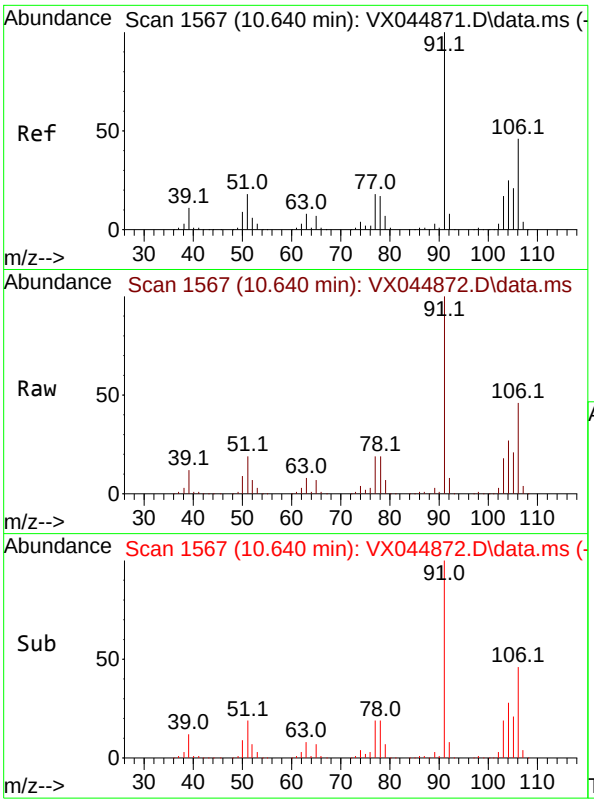


#68
m/p-Xylenes
Concen: 201.907 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:106 Resp: 575559

Ion	Ratio	Lower	Upper
106	100		
91	207.1	164.3	246.5



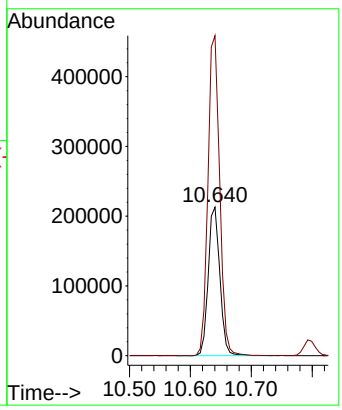


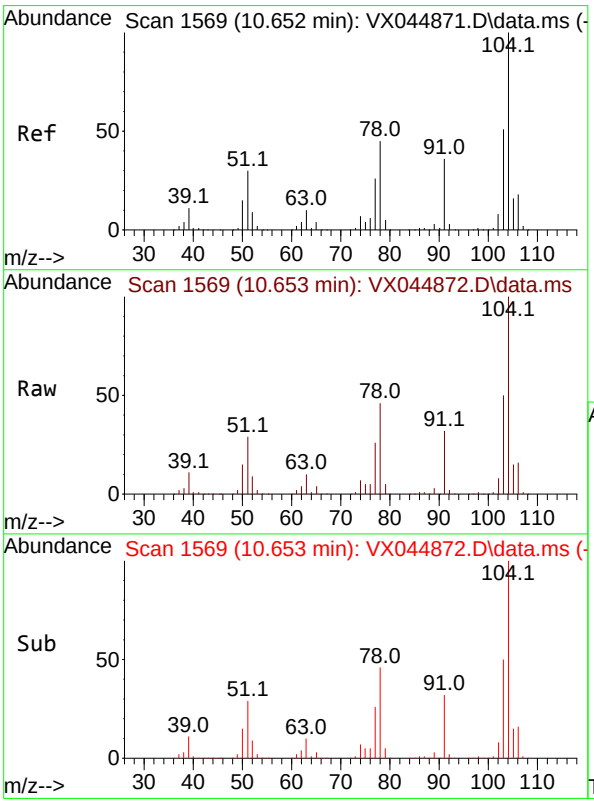
#69
o-Xylene
Concen: 98.530 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 281830

Ion	Ratio	Lower	Upper
106	100		
91	217.3	108.5	325.5

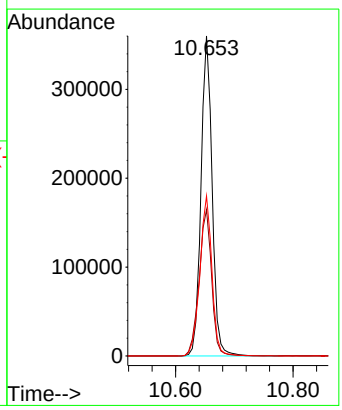


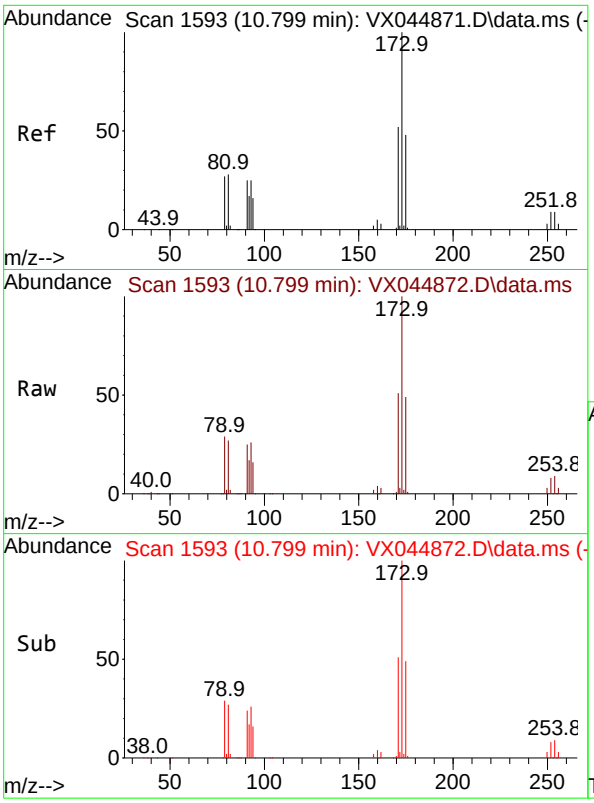


#70
Styrene
Concen: 102.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:104 Resp: 473403

Ion	Ratio	Lower	Upper
104	100		
78	51.5	40.5	60.7
103	54.5	43.6	65.4



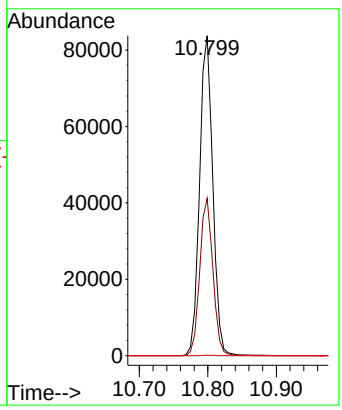


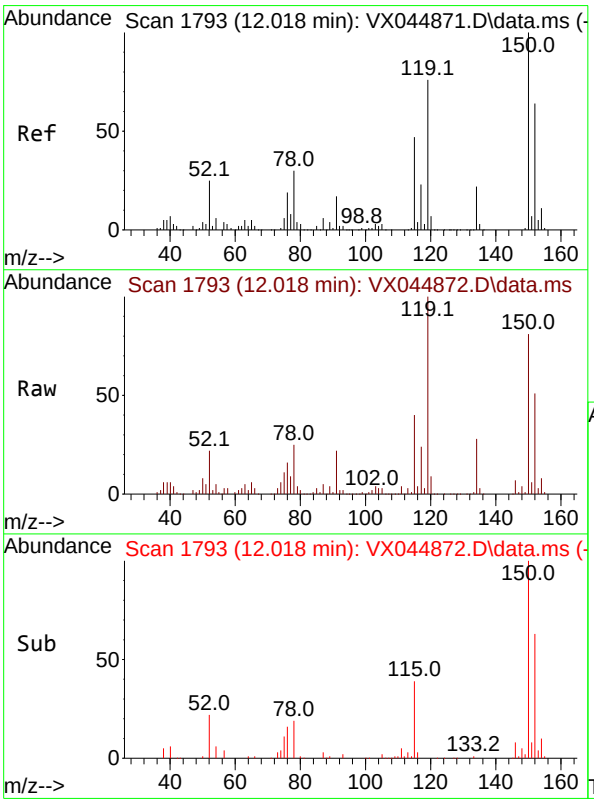
#71
Bromoform
Concen: 106.827 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 112371

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.1	0.0	0.0#

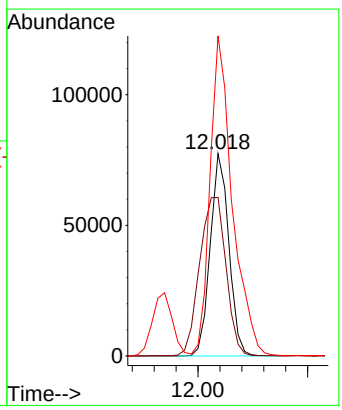


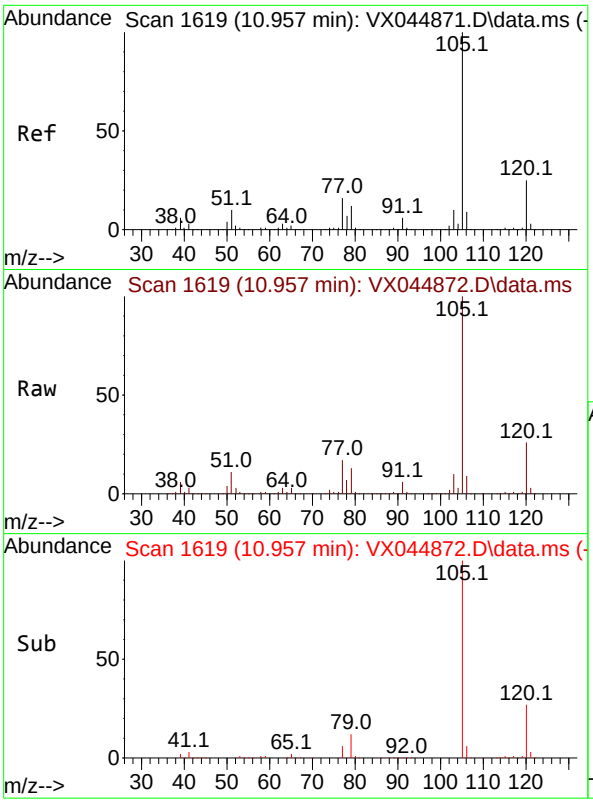


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:152 Resp: 91371

Ion	Ratio	Lower	Upper
152	100		
115	111.2	43.4	130.1
150	189.1	0.0	350.4



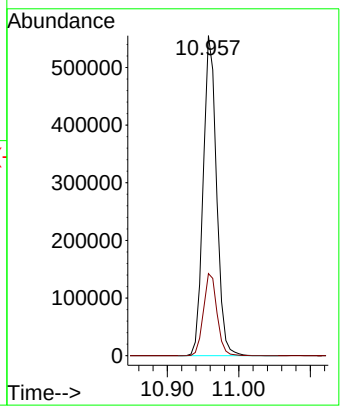


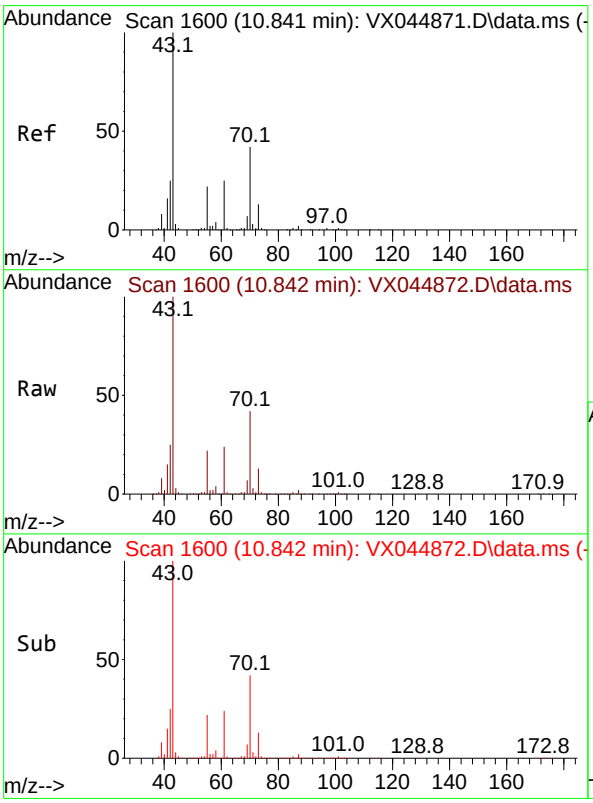
#73
Isopropylbenzene
Concen: 97.854 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 719923

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

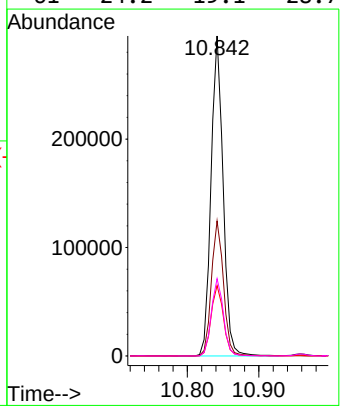


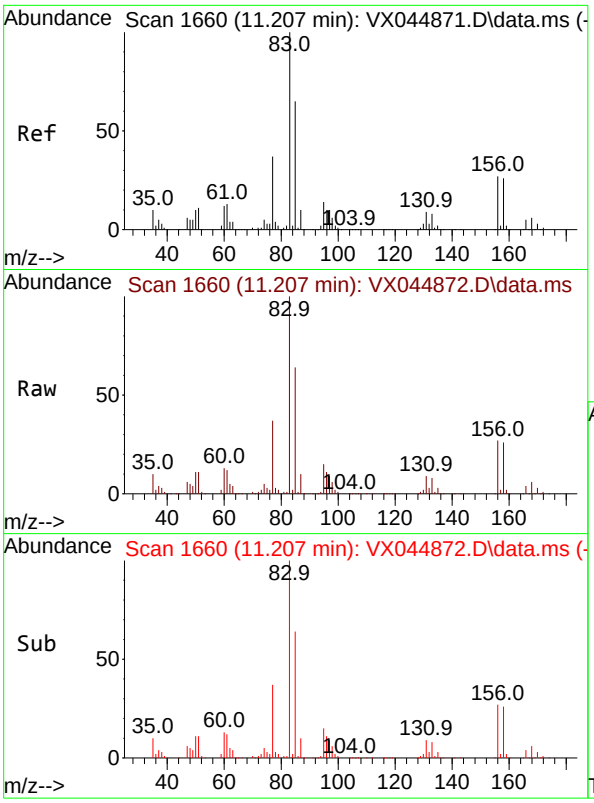


#74
N-amyl acetate
Concen: 103.687 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 345193

Ion	Ratio	Lower	Upper
43	100		
70	42.4	33.7	50.5
55	22.6	18.6	27.8
61	24.2	19.1	28.7



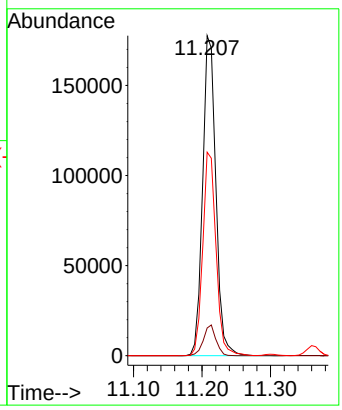


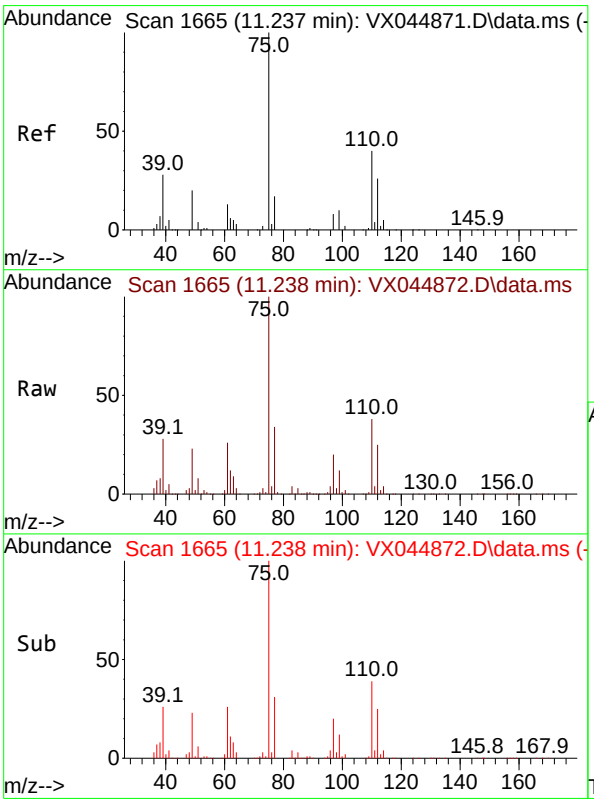
#75
1,1,2,2-Tetrachloroethane
Concen: 94.351 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 238529

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.5
85	63.9	32.3	96.8

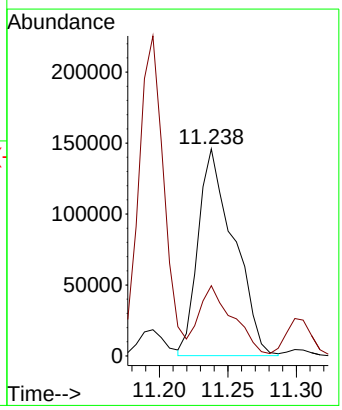


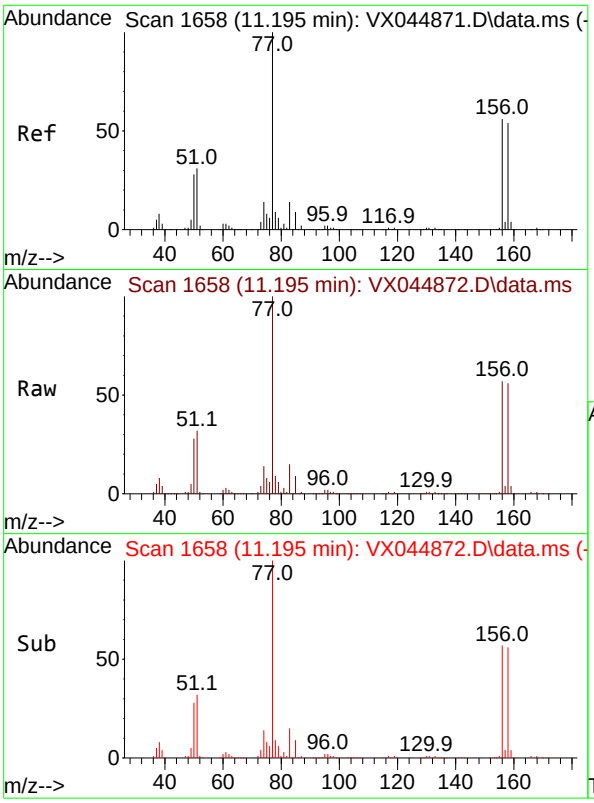


#76
1,2,3-Trichloropropane
Concen: 130.869 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 265118

Ion	Ratio	Lower	Upper
75	100		
77	32.5	21.9	65.7



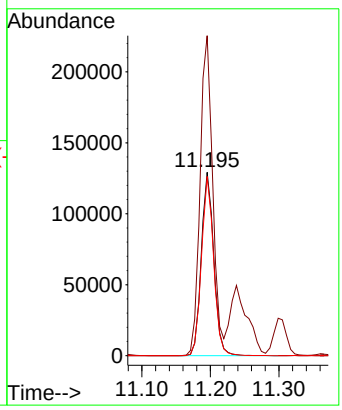


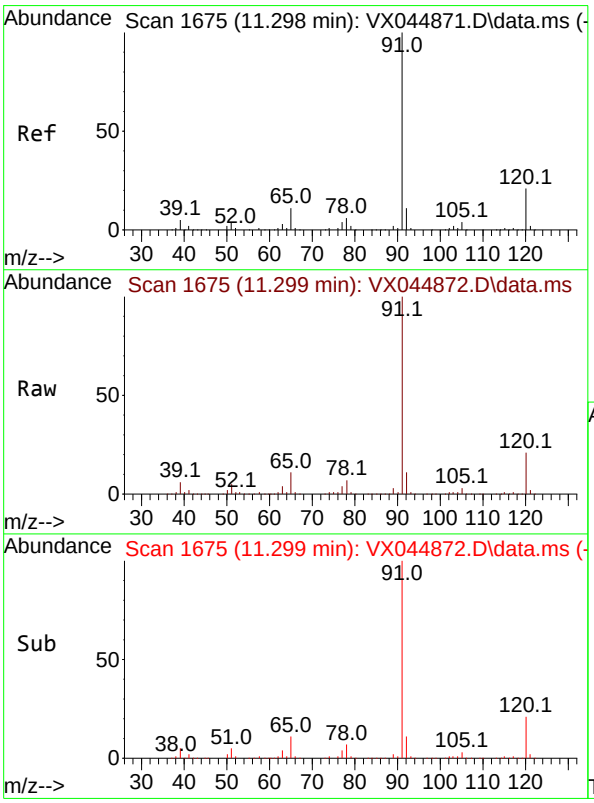
#77
Bromobenzene
Concen: 98.230 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 163845

Ion	Ratio	Lower	Upper
156	100		
77	176.7	88.4	265.3
158	95.7	48.4	145.2

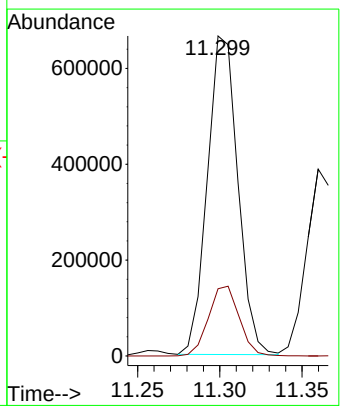


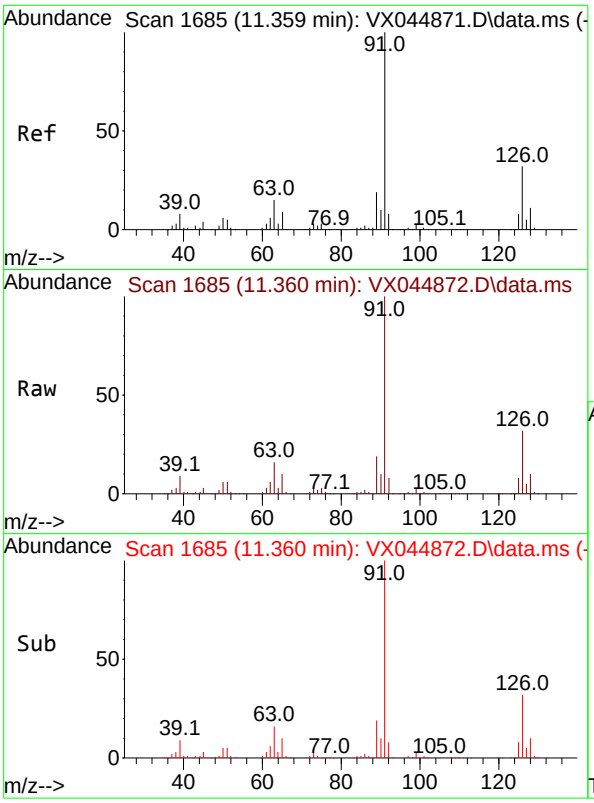


#78
n-propylbenzene
Concen: 101.132 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 858793

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3



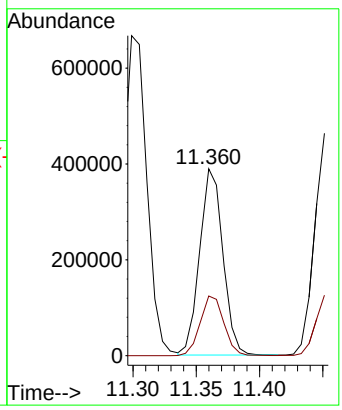


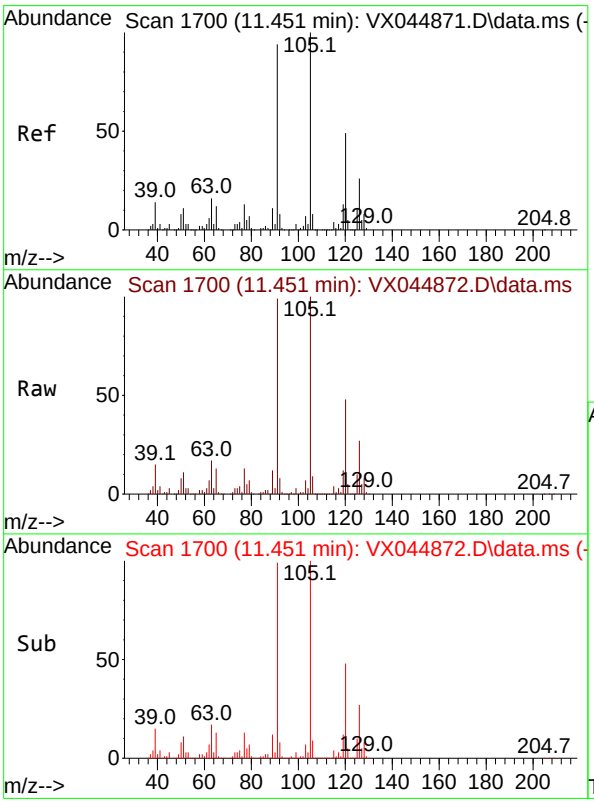
#79
2-Chlorotoluene
Concen: 95.257 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 497149

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6

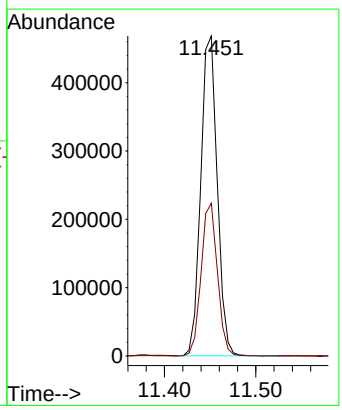


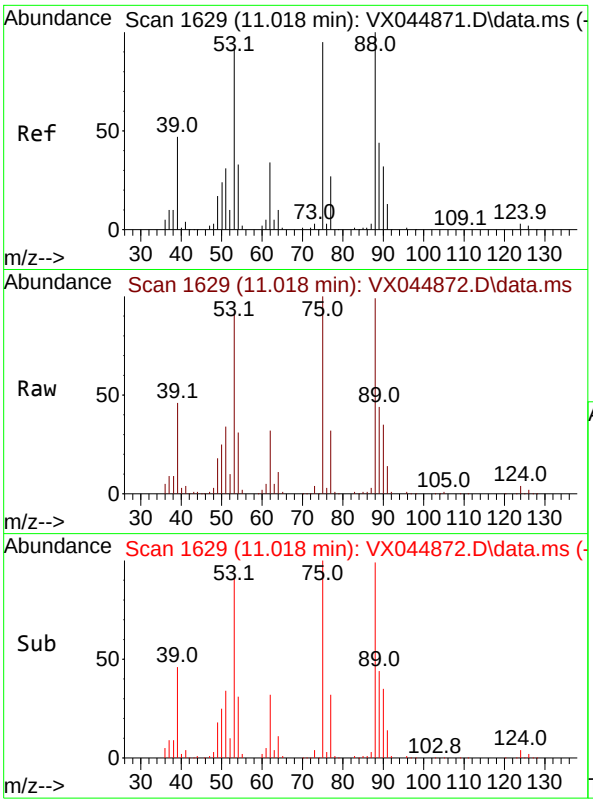


#80
1,3,5-Trimethylbenzene
Concen: 97.966 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 584885

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.0	72.0



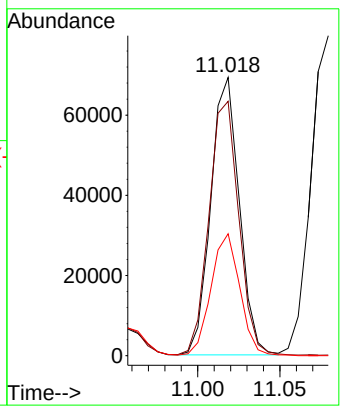


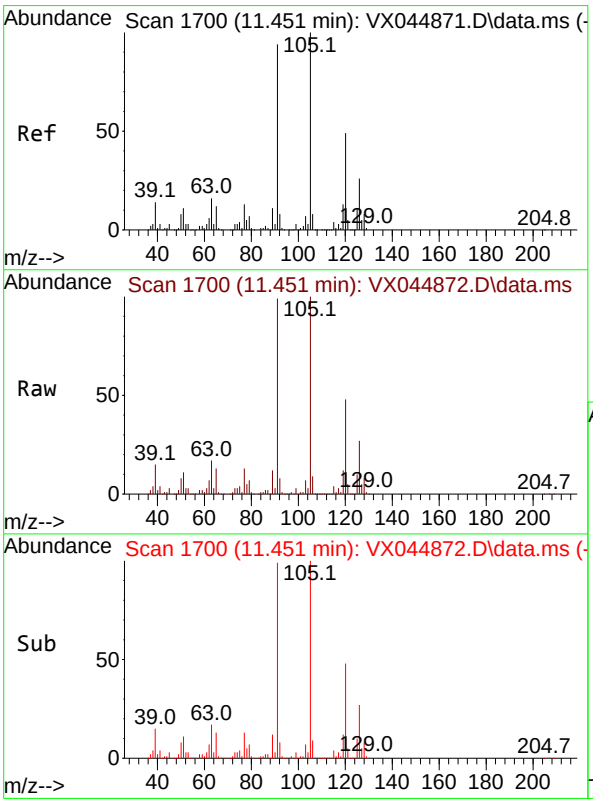
#81
trans-1,4-Dichloro-2-butene
Concen: 106.006 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 83483

Ion	Ratio	Lower	Upper
75	100		
53	95.9	78.0	117.0
89	44.6	36.6	54.8

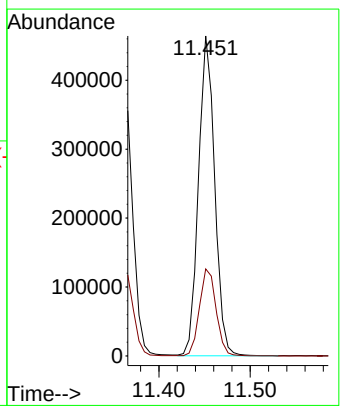


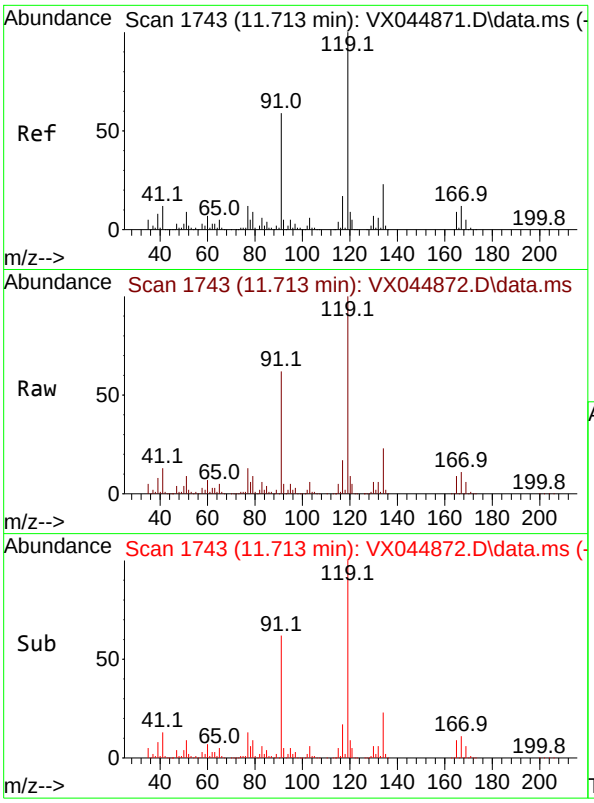


#82
4-Chlorotoluene
Concen: 98.634 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 569510

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.2	42.6



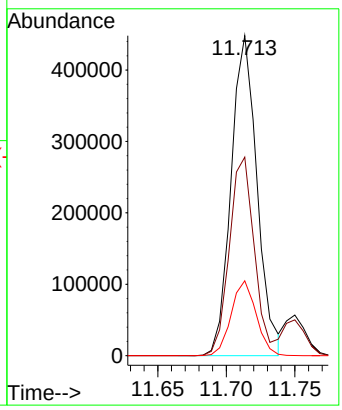


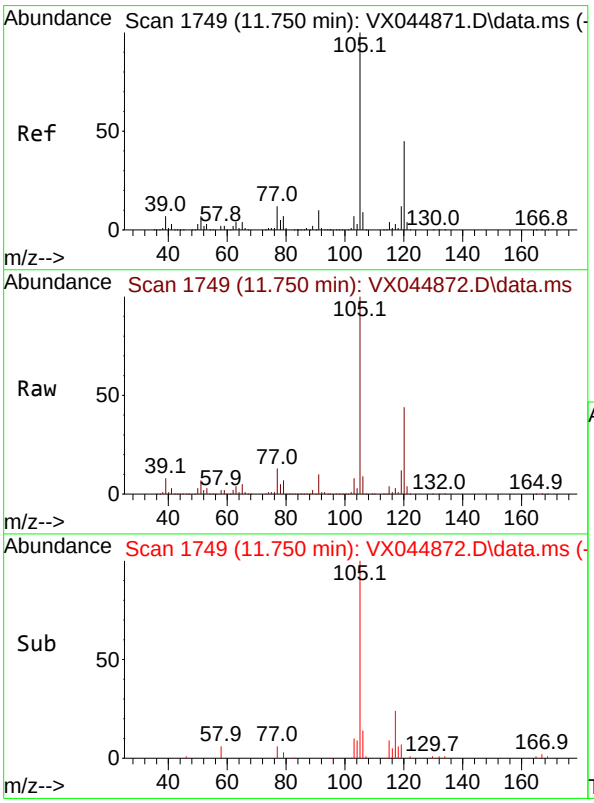
#83
tert-Butylbenzene
Concen: 97.917 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 591396

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.1	87.4
134	22.6	11.5	34.5

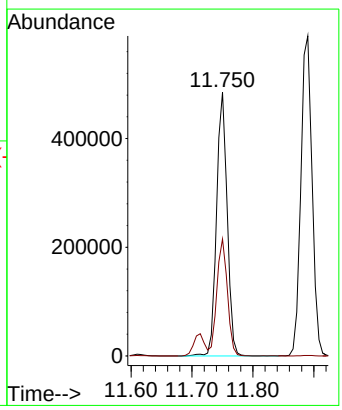


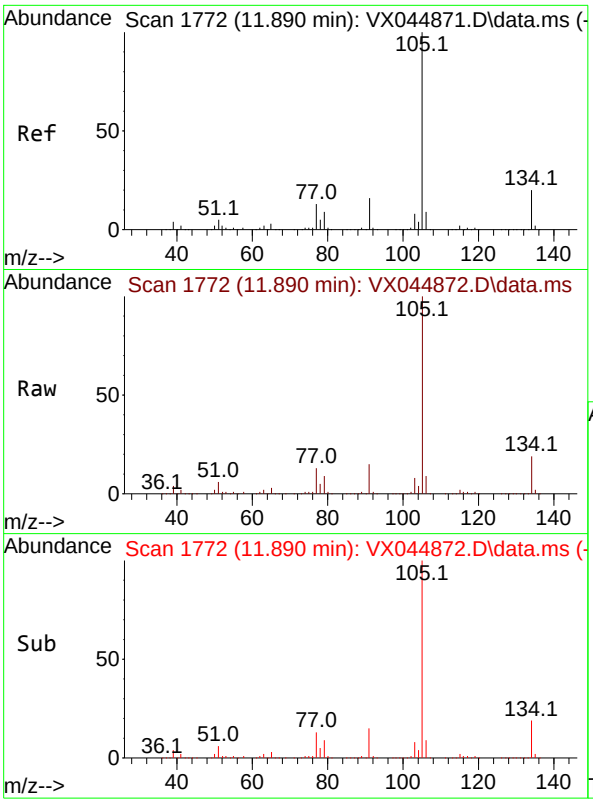


#84
1,2,4-Trimethylbenzene
Concen: 99.851 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 588385

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.4	67.0



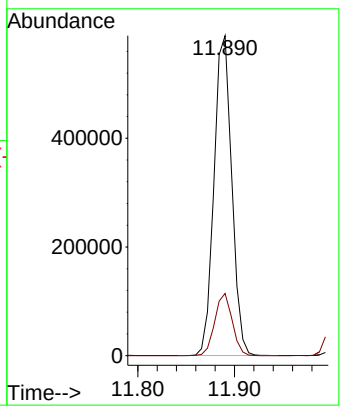


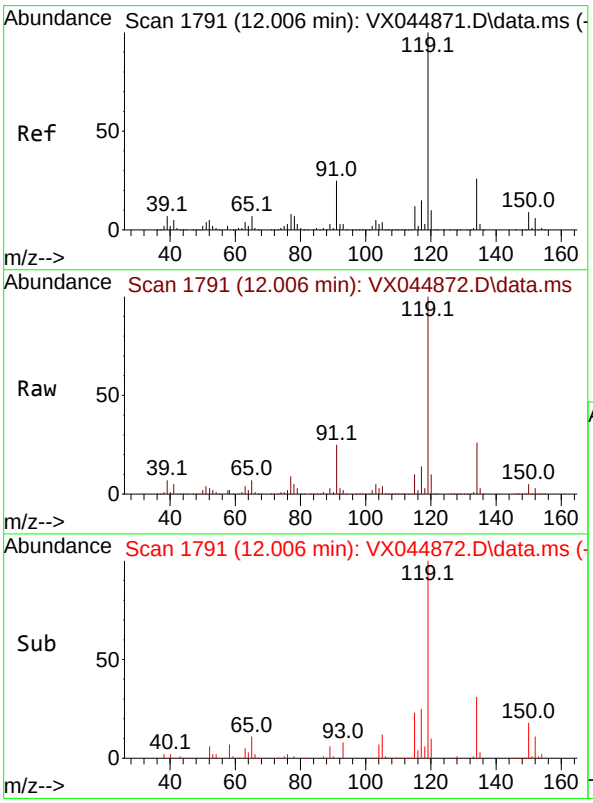
#85
sec-Butylbenzene
Concen: 100.219 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 749534

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.3

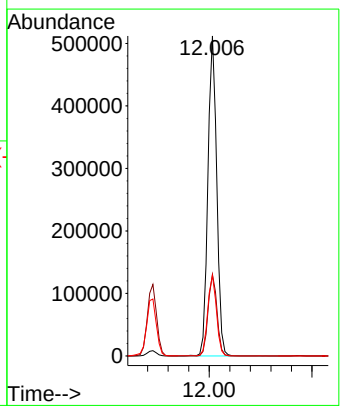


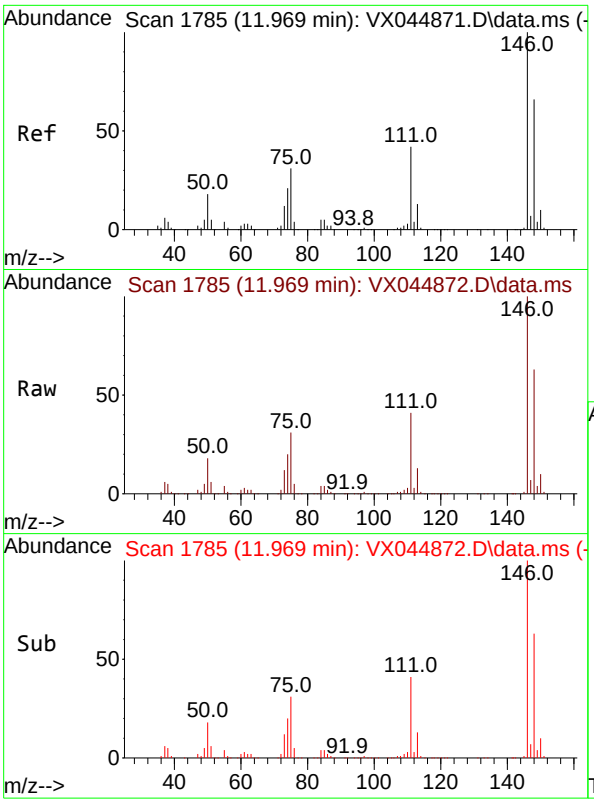


#86
p-Isopropyltoluene
Concen: 101.019 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:119 Resp: 607577

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	25.0	12.1	36.3



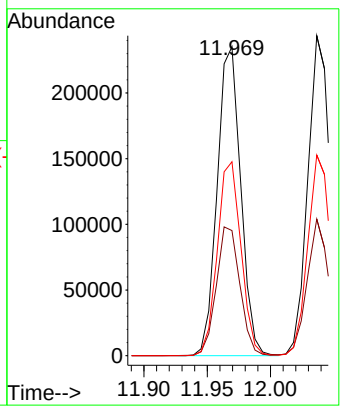


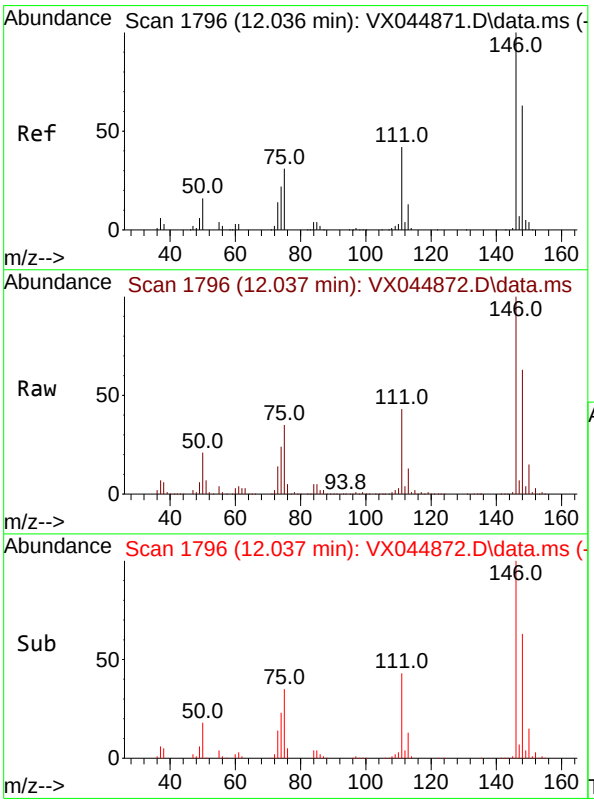
#87
1,3-Dichlorobenzene
Concen: 99.061 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 303851

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	63.1	32.5	97.5

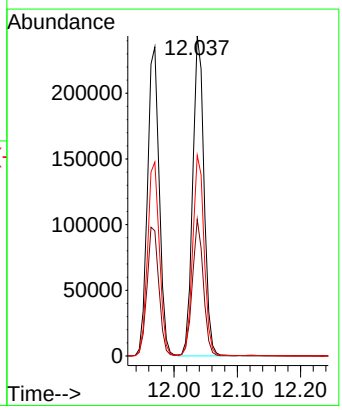


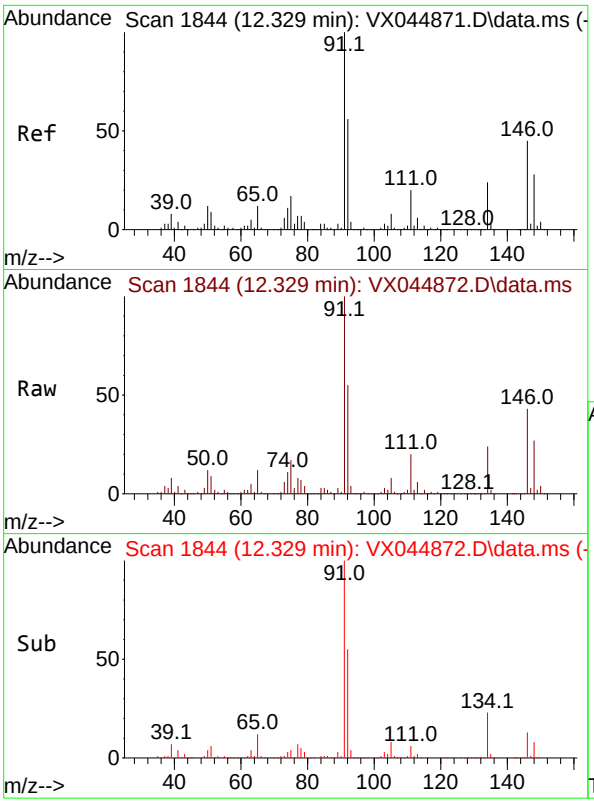


#88
1,4-Dichlorobenzene
Concen: 97.830 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:146 Resp: 303417

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	63.0	32.0	96.0



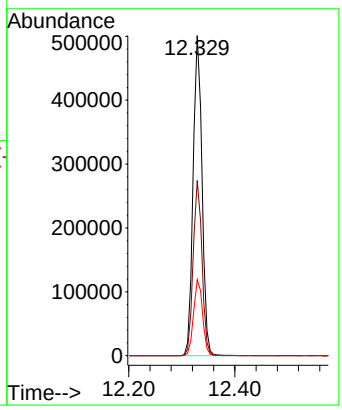


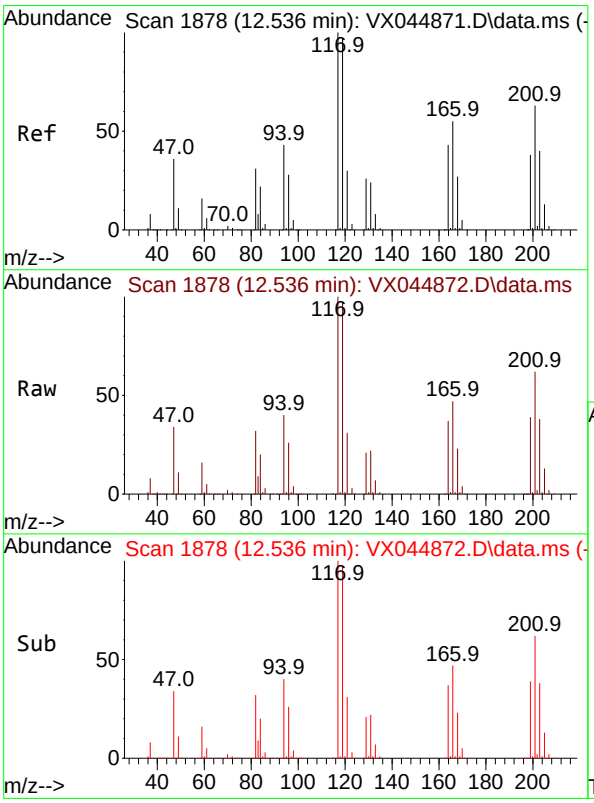
#89
n-Butylbenzene
Concen: 109.686 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 583634

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	24.0	12.1	36.3

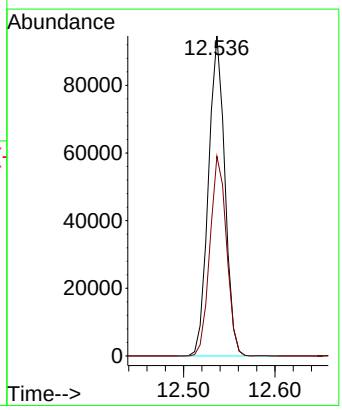


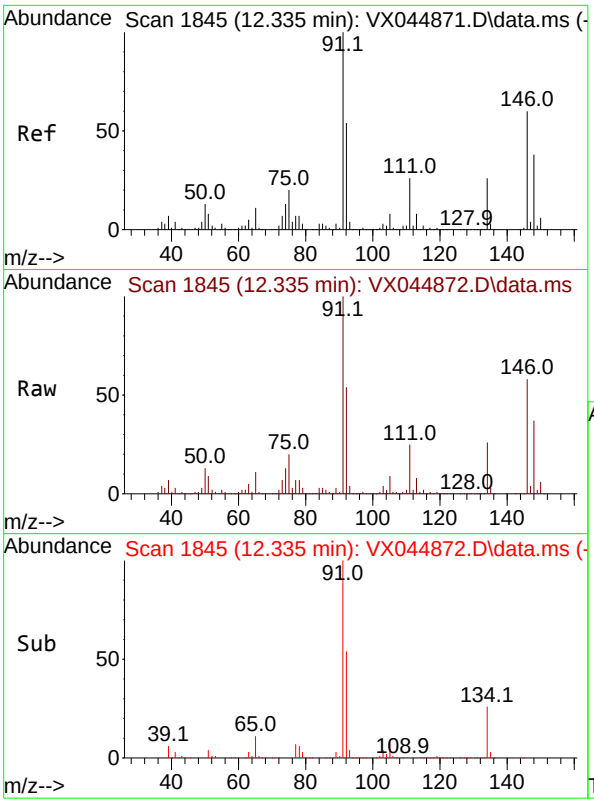


#90
Hexachloroethane
Concen: 104.365 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:117 Resp: 117533

Ion	Ratio	Lower	Upper
117	100		
201	63.4	32.5	97.5



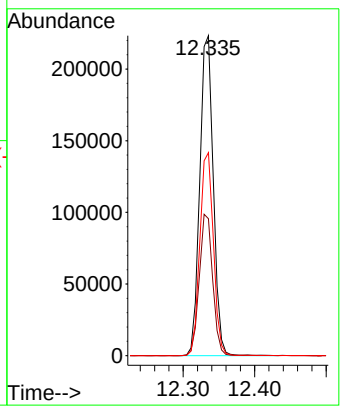


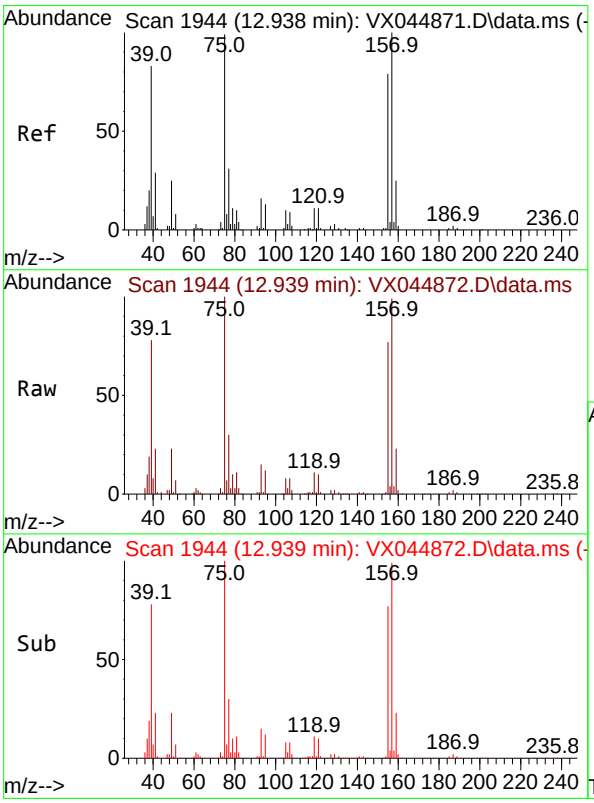
#91
1,2-Dichlorobenzene
Concen: 97.244 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 293151

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.9	31.9	95.9

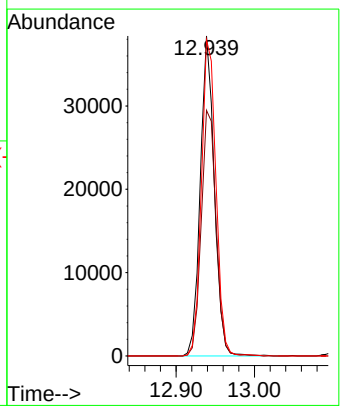


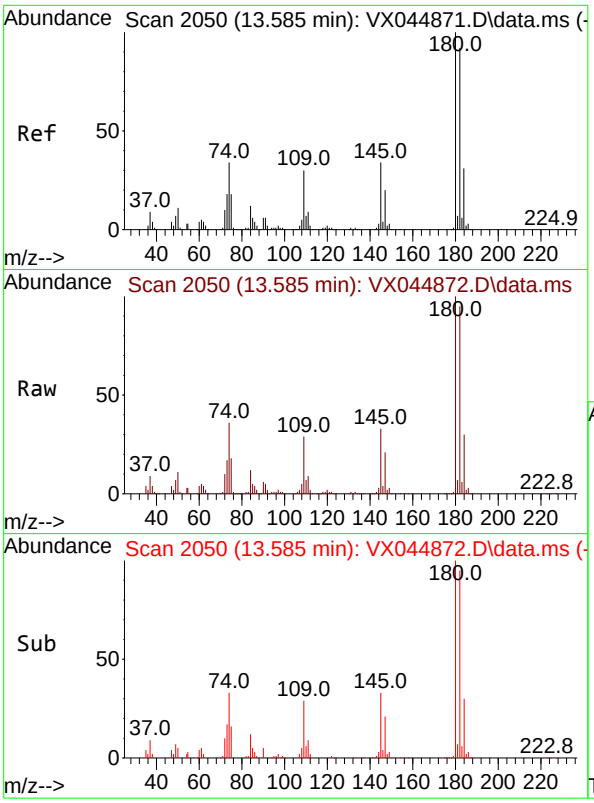


#92
1,2-Dibromo-3-Chloropropane
Concen: 103.477 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 47745

Ion	Ratio	Lower	Upper
75	100		
155	81.0	40.5	121.4
157	102.3	51.4	154.3



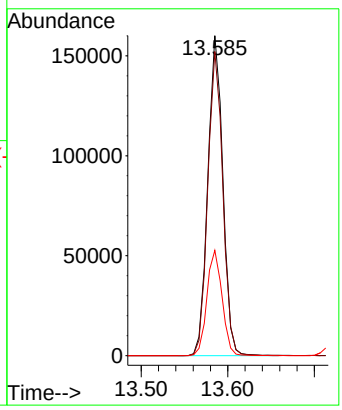


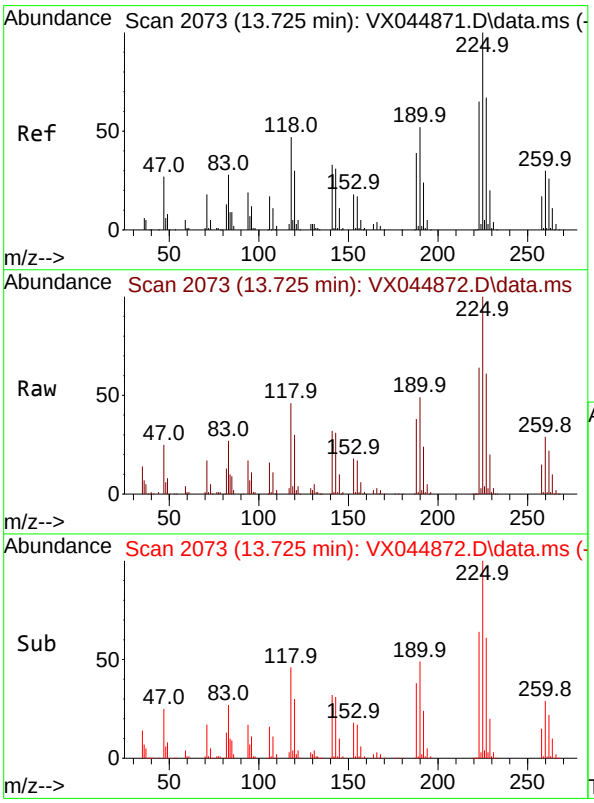
#93
1,2,4-Trichlorobenzene
Concen: 105.921 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 193214

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.8
145	33.2	16.4	49.1

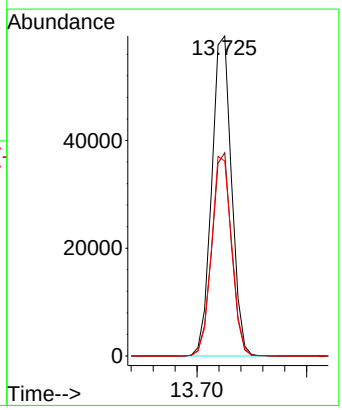


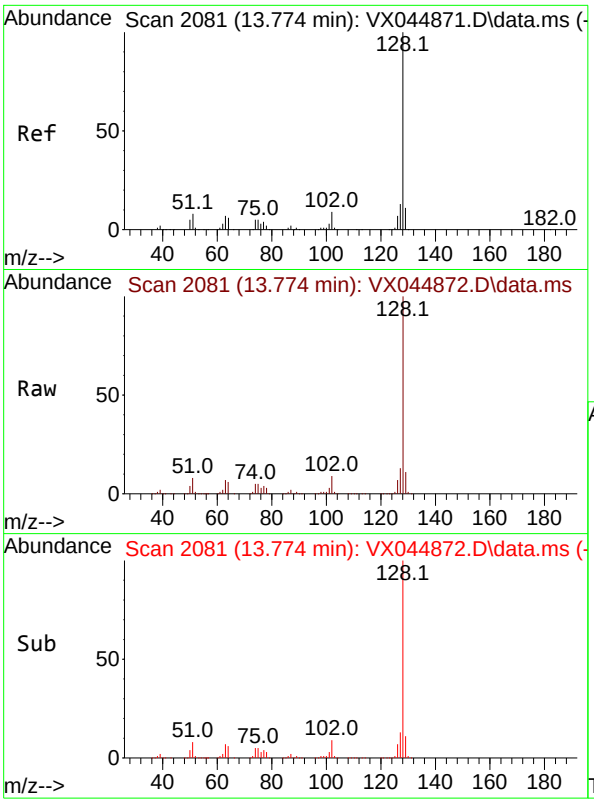


#94
Hexachlorobutadiene
Concen: 103.024 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:225 Resp: 74605

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.2
227	63.5	32.3	96.8



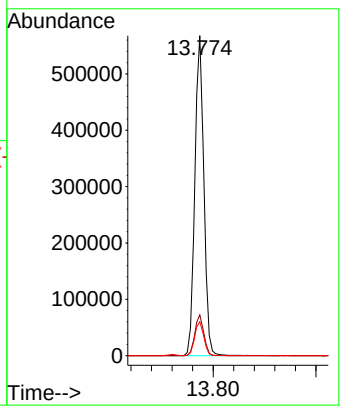


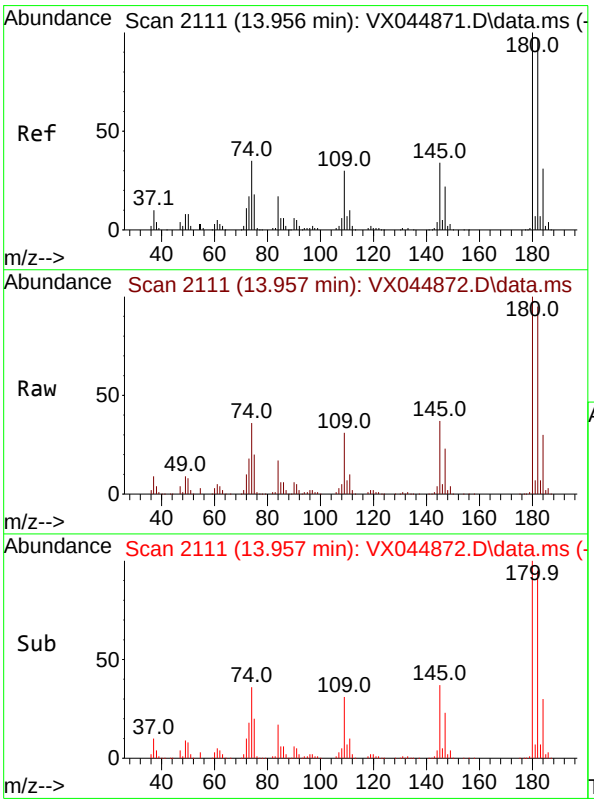
#95
Naphthalene
Concen: 104.505 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 689104

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.7	8.9	13.3

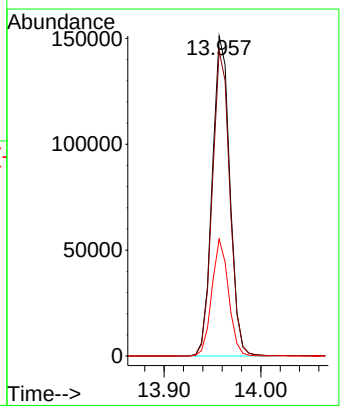




#96
1,2,3-Trichlorobenzene
Concen: 103.659 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:180 Resp: 190534

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.6
145	34.6	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	125253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84836	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	280853	153.180	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 306.360%#			
35) Dibromofluoromethane	5.379	113	229218	151.572	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 303.140%#			
50) Toluene-d8	8.647	98	845632	147.877	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.760%#			
62) 4-Bromofluorobenzene	11.079	95	287486	149.124	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 298.240%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	260576	148.330	ug/l	96
3) Chloromethane	1.307	50	297968	139.361	ug/l	100
4) Vinyl Chloride	1.374	62	305986	147.723	ug/l	99
5) Bromomethane	1.593	94	92399	149.071	ug/l	96
6) Chloroethane	1.660	64	67889	130.289	ug/l	97
7) Trichlorofluoromethane	1.867	101	378664	144.558	ug/l	99
8) Diethyl Ether	2.136	74	140428	147.822	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	239215	151.147	ug/l	100
10) Methyl Iodide	2.441	142	305390	148.887	ug/l	100
11) Tert butyl alcohol	3.020	59	242430	712.734	ug/l	100
12) 1,1-Dichloroethene	2.306	96	246987	152.989	ug/l	99
13) Acrolein	2.239	56	273178	778.418	ug/l	100
14) Allyl chloride	2.654	41	438493	150.289	ug/l	97
15) Acrylonitrile	3.068	53	684234	753.423	ug/l	99
16) Acetone	2.386	43	547939	743.398	ug/l	99
17) Carbon Disulfide	2.502	76	693558	156.665	ug/l	100
18) Methyl Acetate	2.703	43	373877	160.743	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	792810	154.347	ug/l	100
20) Methylene Chloride	2.782	84	270575	149.871	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	242082	152.356	ug/l	93
22) Diisopropyl ether	3.757	45	839126	152.020	ug/l	98
23) Vinyl Acetate	3.721	43	3555031	789.993	ug/l	100
24) 1,1-Dichloroethane	3.605	63	472424	152.959	ug/l	99
25) 2-Butanone	4.556	43	914741	764.276	ug/l	98
26) 2,2-Dichloropropane	4.471	77	382167	156.029	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	292864	153.446	ug/l	99
28) Bromochloromethane	4.891	49	217387	146.458	ug/l	98
29) Tetrahydrofuran	5.001	42	596045	749.977	ug/l	99
30) Chloroform	5.086	83	453809	151.509	ug/l	99
31) Cyclohexane	5.458	56	423464	148.722	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	386162	151.996	ug/l	99
36) 1,1-Dichloropropene	5.684	75	324182	148.585	ug/l	100
37) Ethyl Acetate	4.715	43	368763	151.956	ug/l	99
38) Carbon Tetrachloride	5.672	117	320536	149.921	ug/l	98
39) Methylcyclohexane	7.373	83	443218	157.130	ug/l	99
40) Benzene	6.031	78	1014129	148.856	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	206155	158.707	ug/l		100
42) 1,2-Dichloroethane	6.080	62	336520	154.984	ug/l		99
43) Isopropyl Acetate	6.336	43	617516	157.575	ug/l		99
44) Trichloroethene	7.117	130	239030	153.496	ug/l		99
45) 1,2-Dichloropropane	7.427	63	259454	153.076	ug/l		100
46) Dibromomethane	7.574	93	179689	152.870	ug/l		99
47) Bromodichloromethane	7.818	83	357623	157.128	ug/l		98
48) Methyl methacrylate	7.690	41	297931	161.236	ug/l		99
49) 1,4-Dioxane	7.665	88	106175	2678.192	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	1736538	728.887	ug/l		100
52) Toluene	8.714	92	603113	148.645	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	378639	164.398	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	417724	162.667	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	229548	147.172	ug/l		98
56) Ethyl methacrylate	9.116	69	398535	158.205	ug/l		99
57) 1,3-Dichloropropane	9.305	76	403665	147.915	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	982120	794.010	ug/l		100
59) 2-Hexanone	9.433	43	1264470	736.622	ug/l		99
60) Dibromochloromethane	9.519	129	258320	154.862	ug/l		99
61) 1,2-Dibromoethane	9.604	107	240539	152.157	ug/l		99
64) Tetrachloroethene	9.269	164	184990	149.155	ug/l		96
65) Chlorobenzene	10.073	112	634550	150.224	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	212441	156.255	ug/l		99
67) Ethyl Benzene	10.189	91	1137842	152.647	ug/l		100
68) m/p-Xylenes	10.299	106	818971	297.841	ug/l		98
69) o-Xylene	10.640	106	401928	145.674	ug/l		99
70) Styrene	10.653	104	671843	151.140	ug/l		98
71) Bromoform	10.799	173	169481	167.033	ug/l	#	98
73) Isopropylbenzene	10.957	105	1037402	151.869	ug/l		99
74) N-amyl acetate	10.841	43	521962	168.861	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	346013	147.409	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	392008	208.411	ug/l		82
77) Bromobenzene	11.195	156	234957	151.715	ug/l		99
78) n-propylbenzene	11.305	91	1231079	156.140	ug/l		99
79) 2-Chlorotoluene	11.360	91	717766	148.123	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	822707	148.415	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	126660	173.221	ug/l		98
82) 4-Chlorotoluene	11.451	91	818099	152.602	ug/l		99
83) tert-Butylbenzene	11.713	119	838979	149.610	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	838584	153.274	ug/l		99
85) sec-Butylbenzene	11.890	105	1061101	152.806	ug/l		100
86) p-Isopropyltoluene	12.006	119	865491	154.987	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	433384	152.175	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	432987	150.362	ug/l		100
89) n-Butylbenzene	12.329	91	827359	167.469	ug/l		100
90) Hexachloroethane	12.536	117	175414	167.760	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	417167	149.042	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	73593	171.783	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	283004	167.095	ug/l		98
94) Hexachlorobutadiene	13.725	225	104674	155.682	ug/l		97
95) Naphthalene	13.774	128	1015801	165.916	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	282289	165.408	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

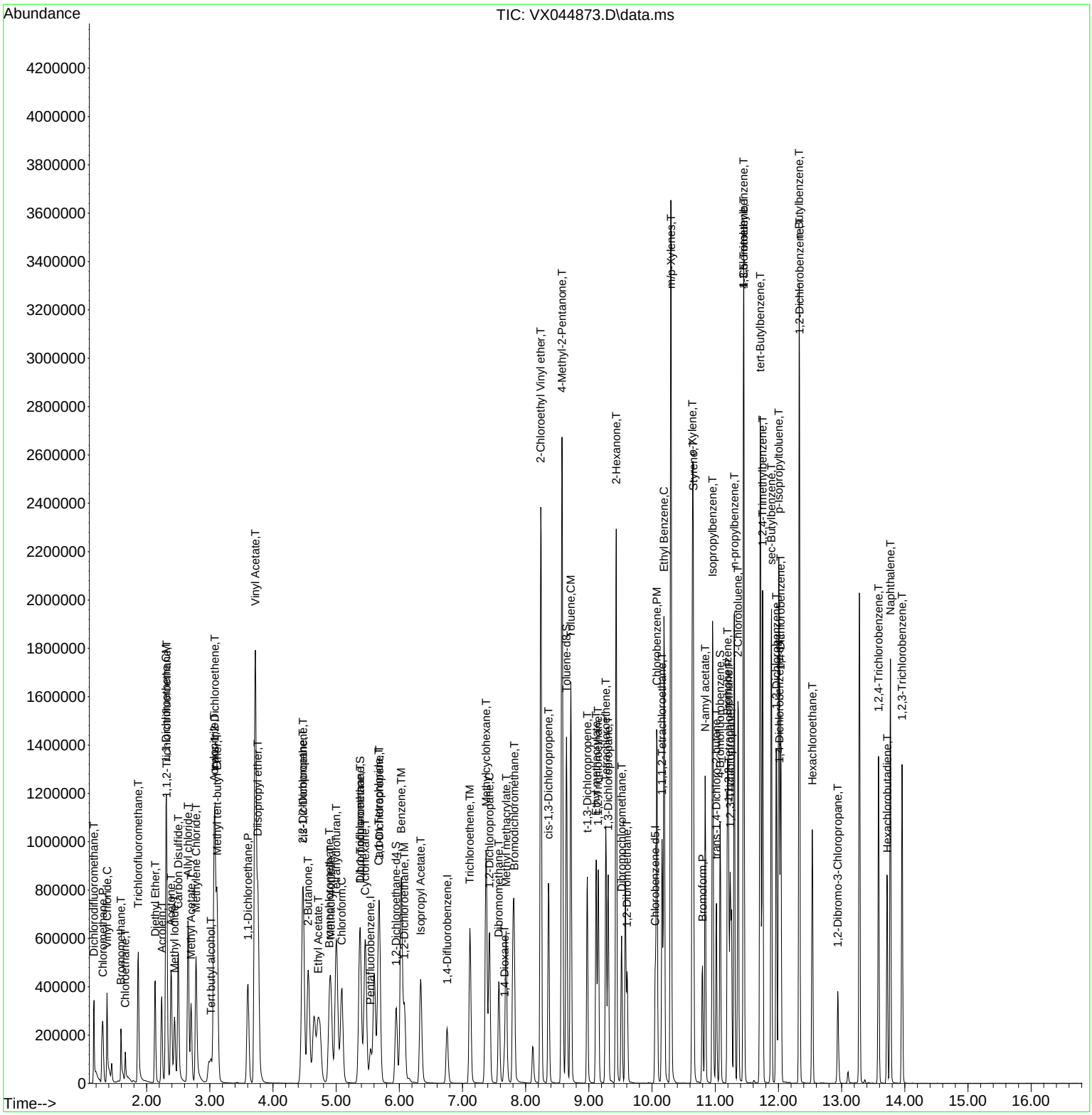
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

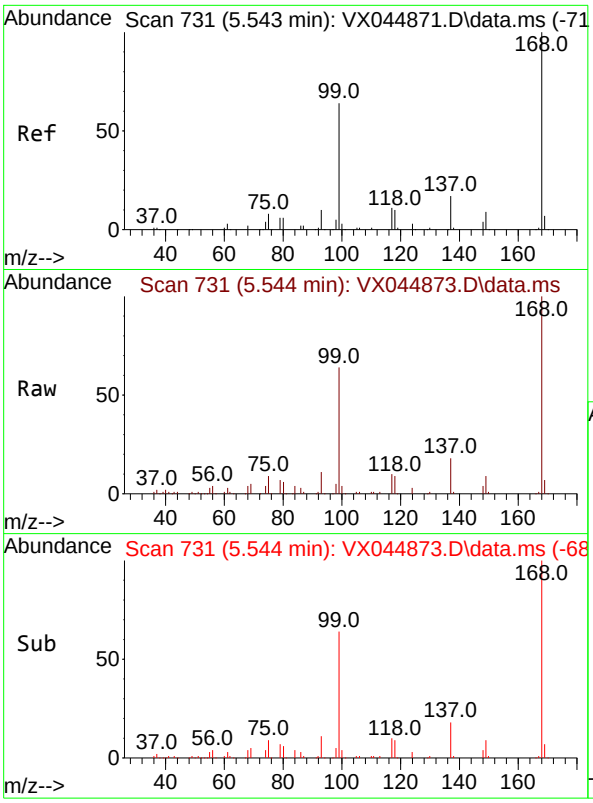
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration



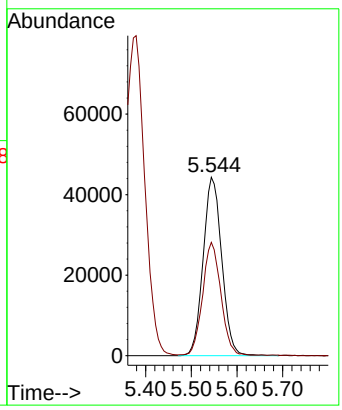


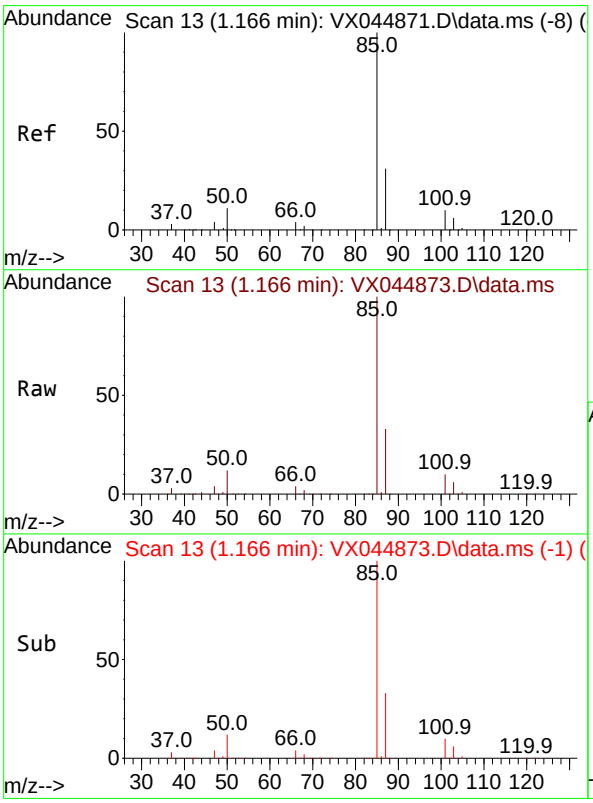
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 125253

Ion	Ratio	Lower	Upper
168	100		
99	63.2	51.2	76.8

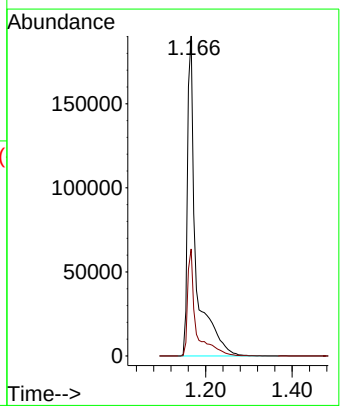


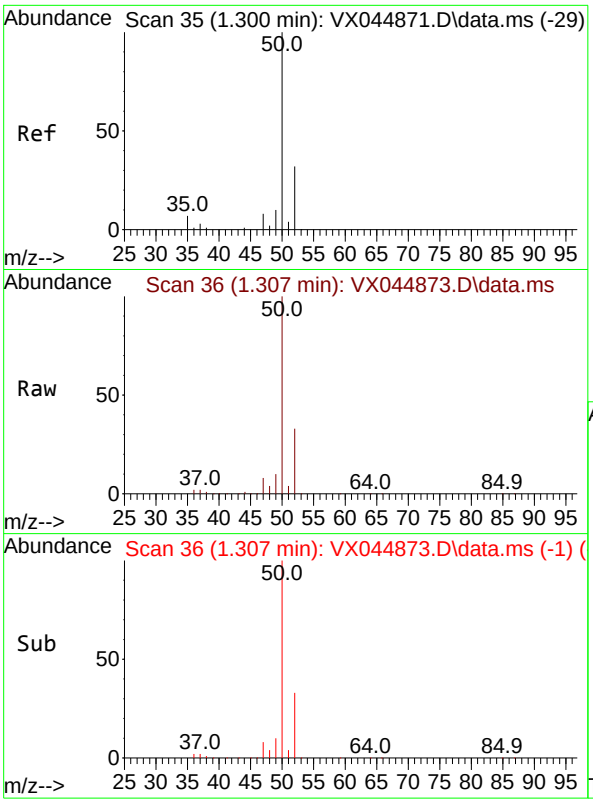


#2
Dichlorodifluoromethane
Concen: 148.330 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 85 Resp: 260576

Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.8	47.3



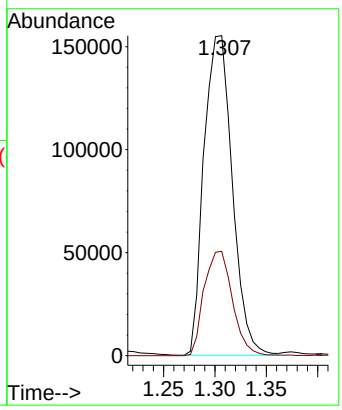


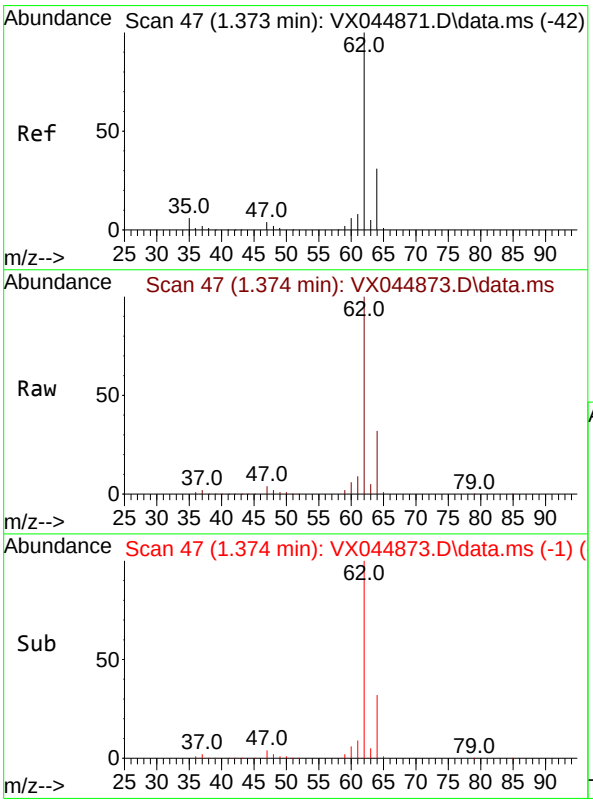
#3
Chloromethane
Concen: 139.361 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 297968

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.9	38.9

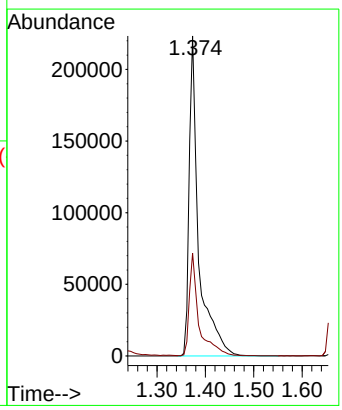


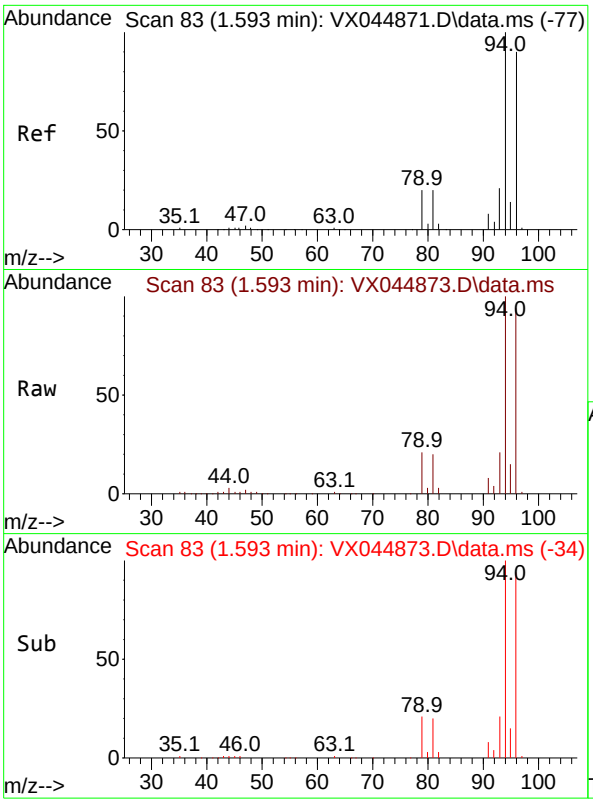


#4
Vinyl Chloride
Concen: 147.723 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 305986

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.4	38.0



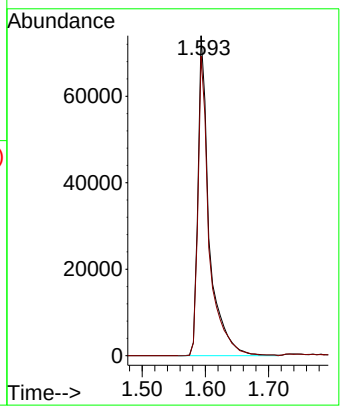


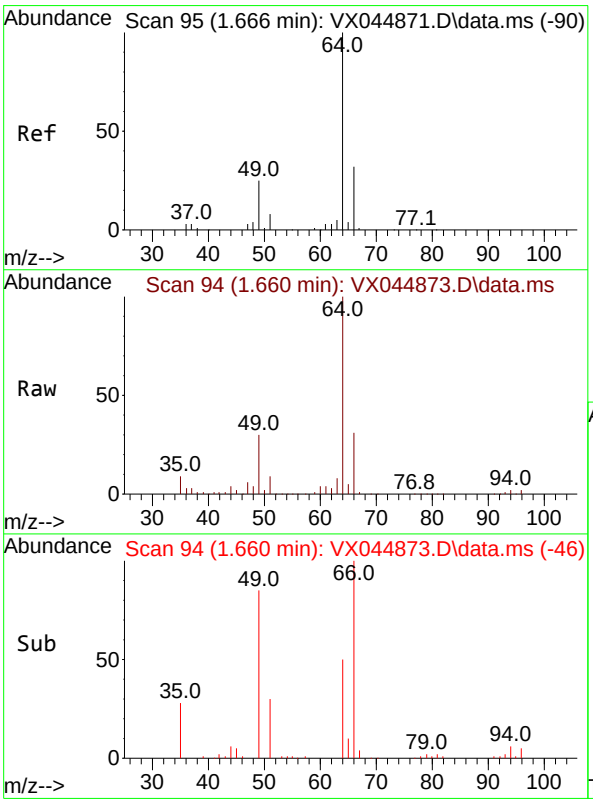
#5
Bromomethane
Concen: 149.071 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 92399

Ion	Ratio	Lower	Upper
94	100		
96	93.6	71.6	107.4

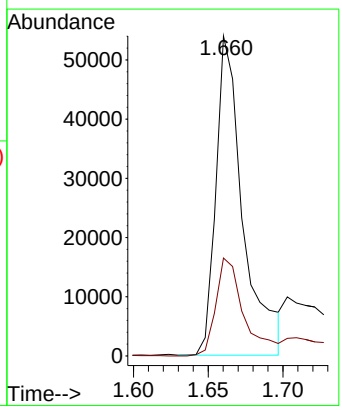


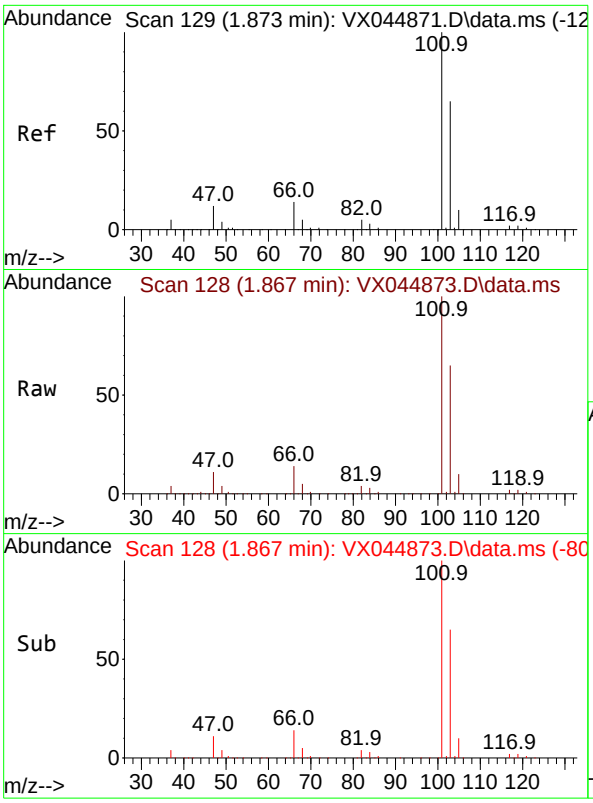


#6
Chloroethane
Concen: 130.289 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 64 Resp: 67889

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.9	38.9



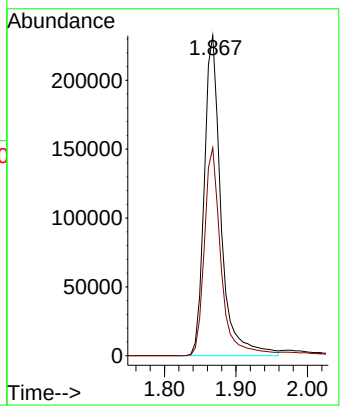


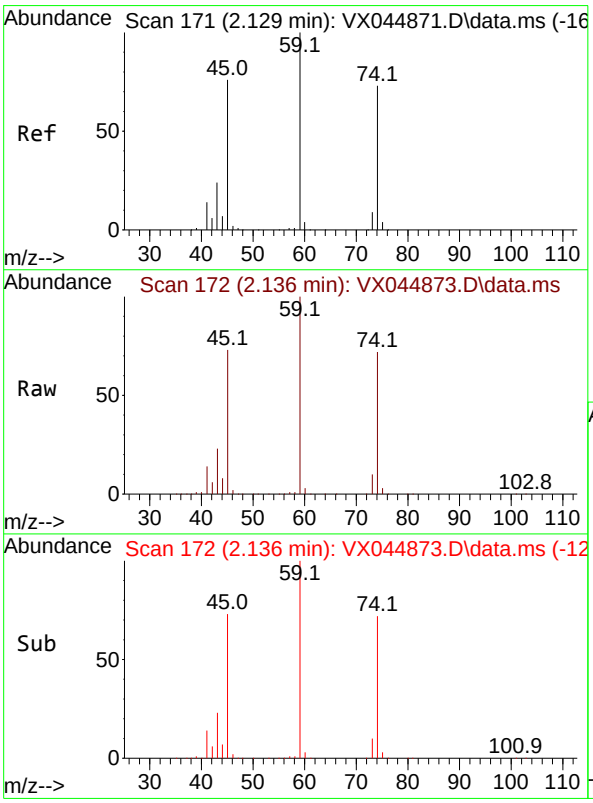
#7
Trichlorofluoromethane
Concen: 144.558 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 378664

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.4	78.6

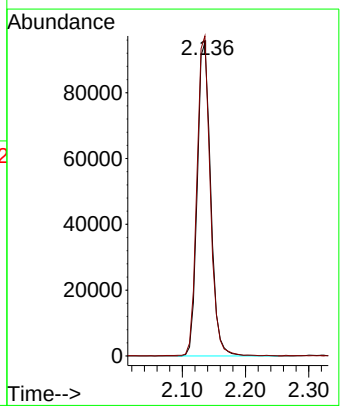


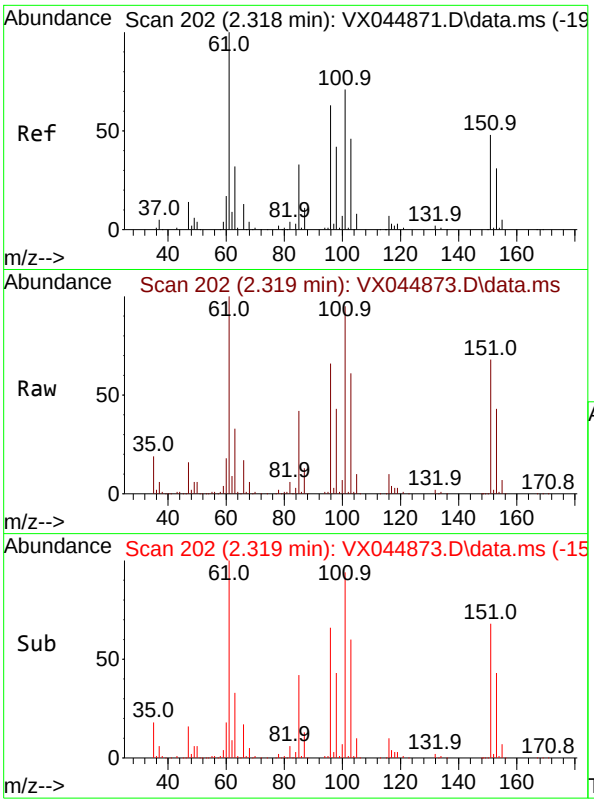


#8
Diethyl Ether
Concen: 147.822 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 74 Resp: 140428

Ion	Ratio	Lower	Upper
74	100		
45	102.1	51.1	153.4



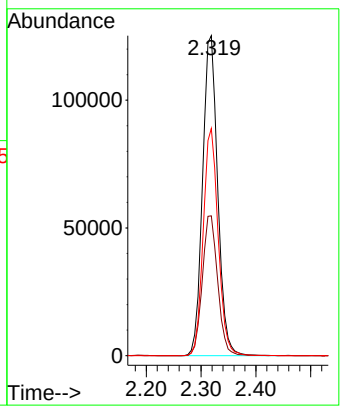


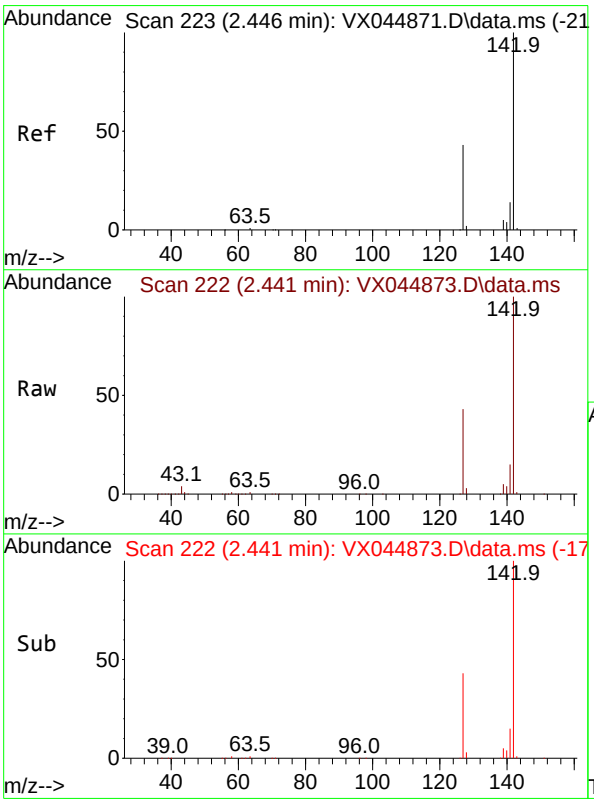
#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.147 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 239215

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.7	53.5
151	70.2	56.0	84.0

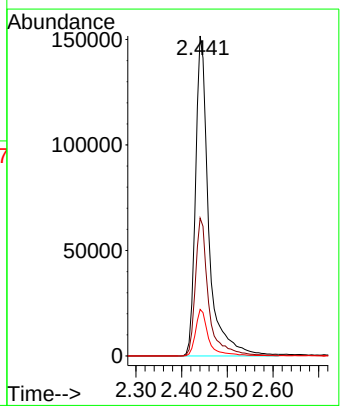


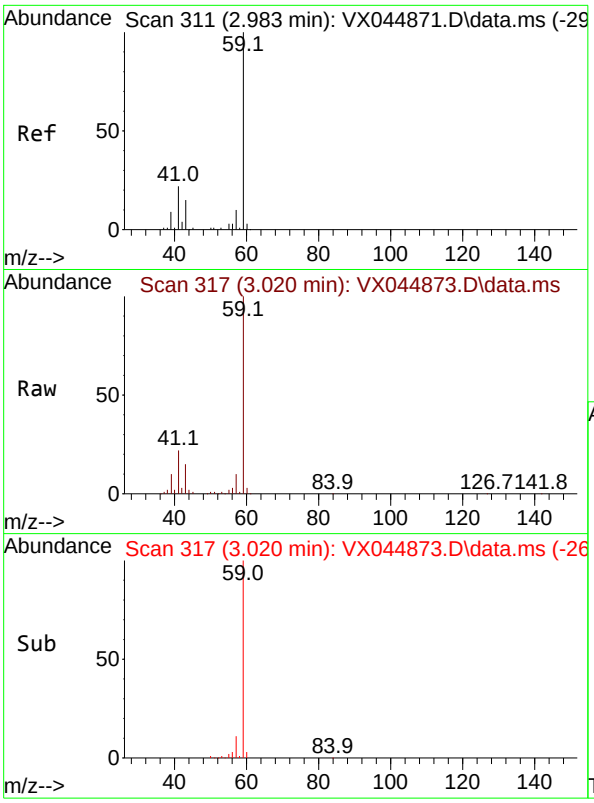


#10
Methyl Iodide
Concen: 148.887 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:142 Resp: 305390

Ion	Ratio	Lower	Upper
142	100		
127	43.1	34.3	51.5
141	14.4	11.4	17.2



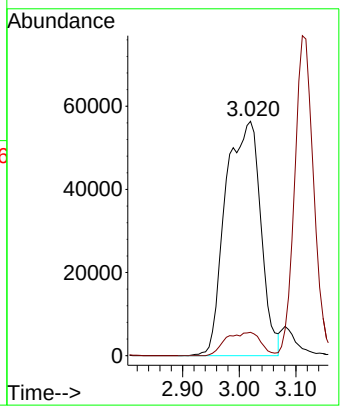


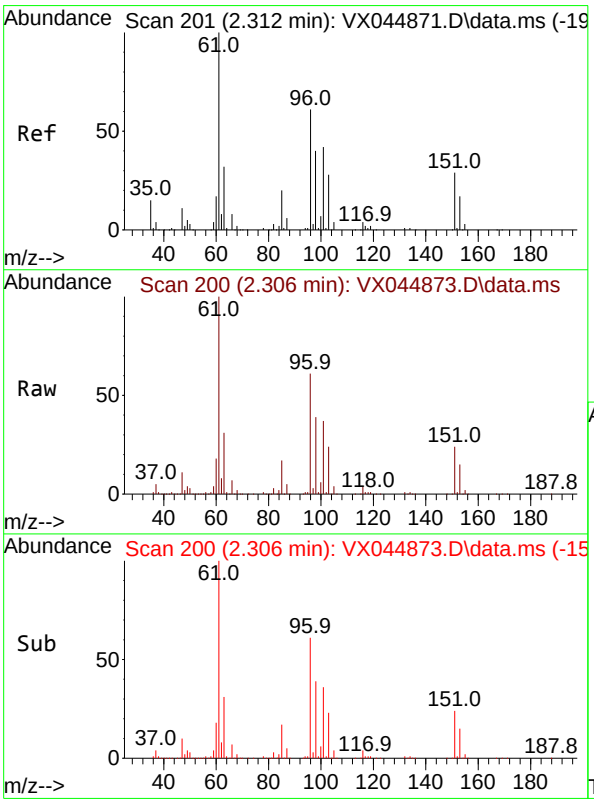
#11
Tert butyl alcohol
Concen: 712.734 ug/l
RT: 3.020 min Scan# 3
Delta R.T. 0.037 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 242430

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

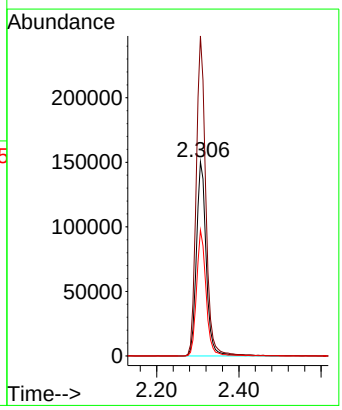


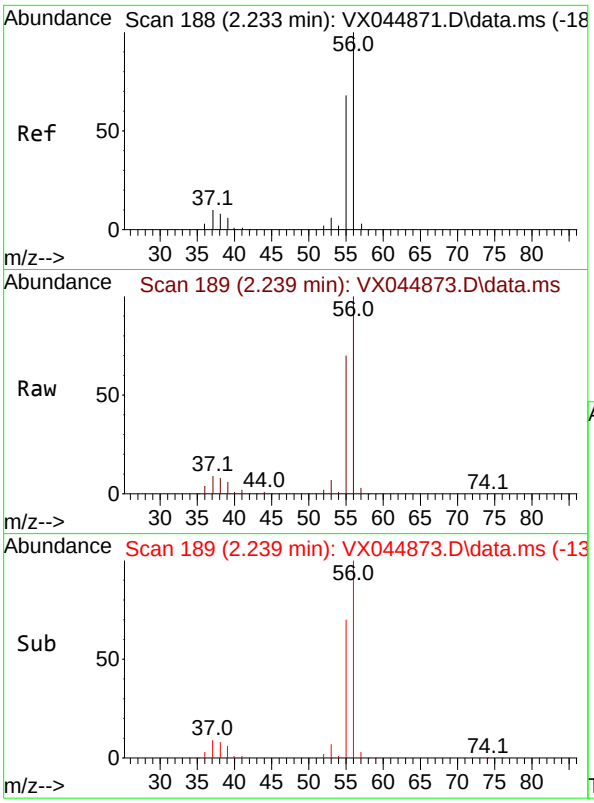


#12
1,1-Dichloroethene
Concen: 152.989 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 96 Resp: 246987

Ion	Ratio	Lower	Upper
96	100		
61	164.9	130.2	195.4
98	64.8	52.2	78.4



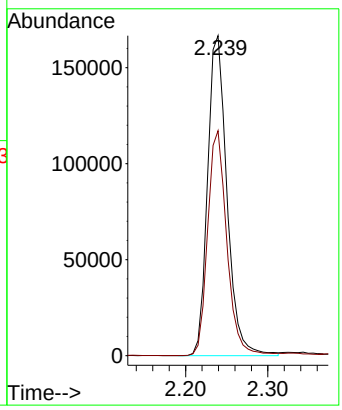


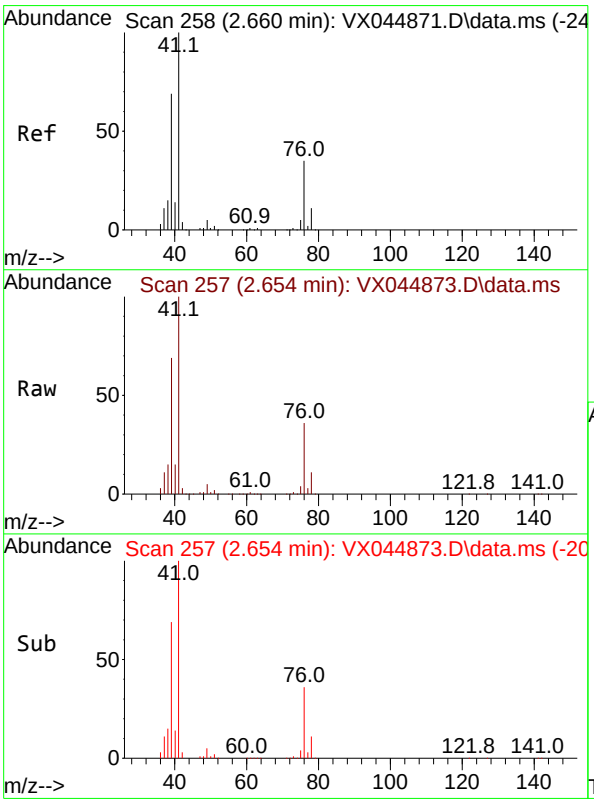
#13
Acrolein
Concen: 778.418 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 273178

Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.7	83.5

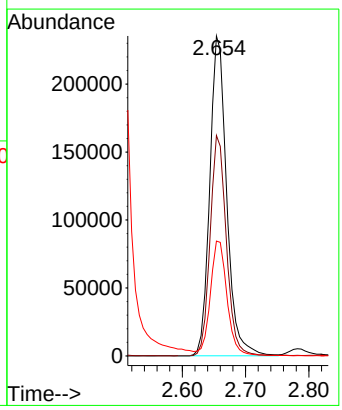


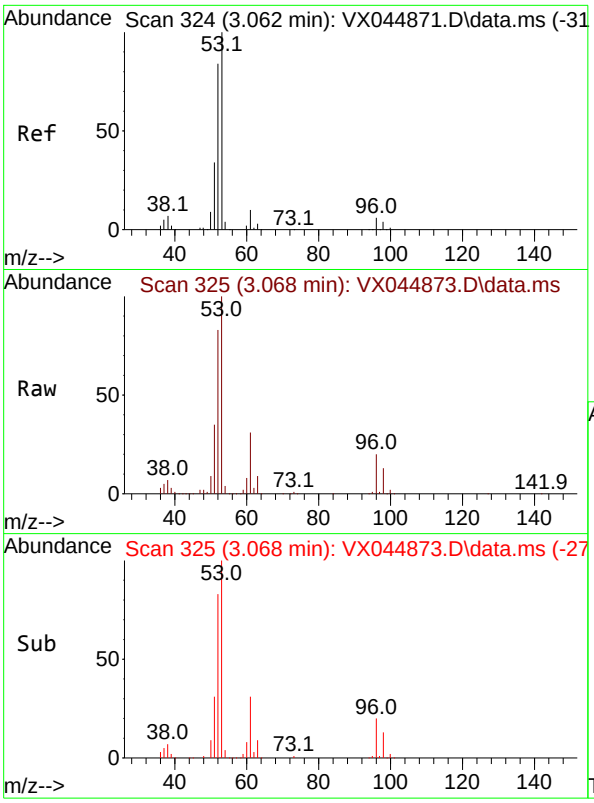


#14
Allyl chloride
Concen: 150.289 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 438493

Ion	Ratio	Lower	Upper
41	100		
39	66.1	51.4	77.2
76	35.7	27.0	40.4



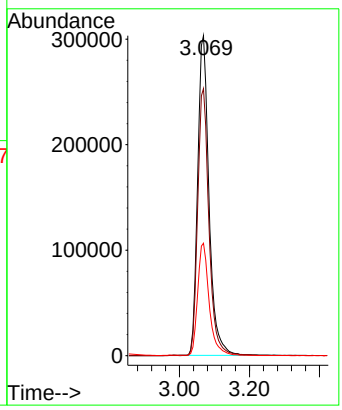


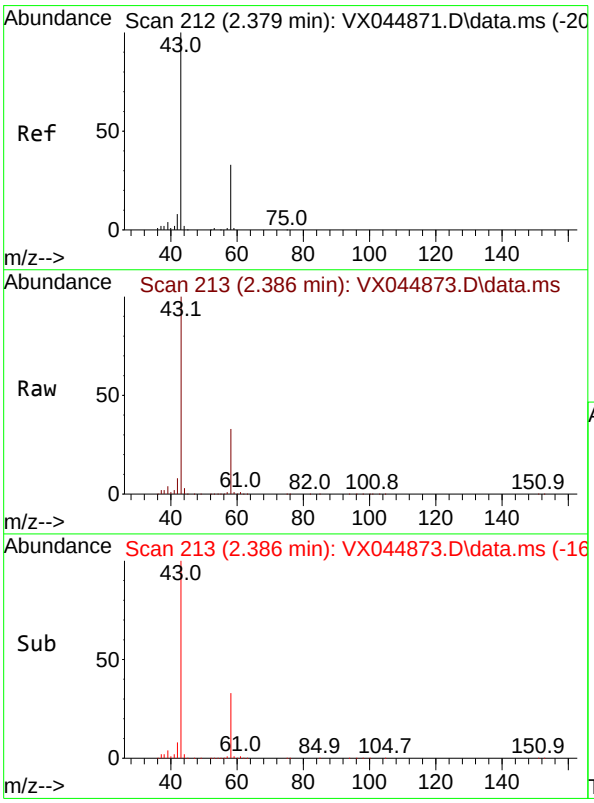
#15
Acrylonitrile
Concen: 753.423 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 684234

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.0	97.6
51	35.2	28.0	42.0

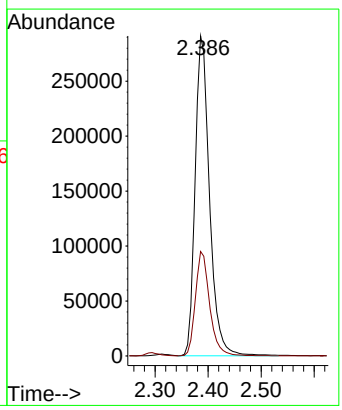


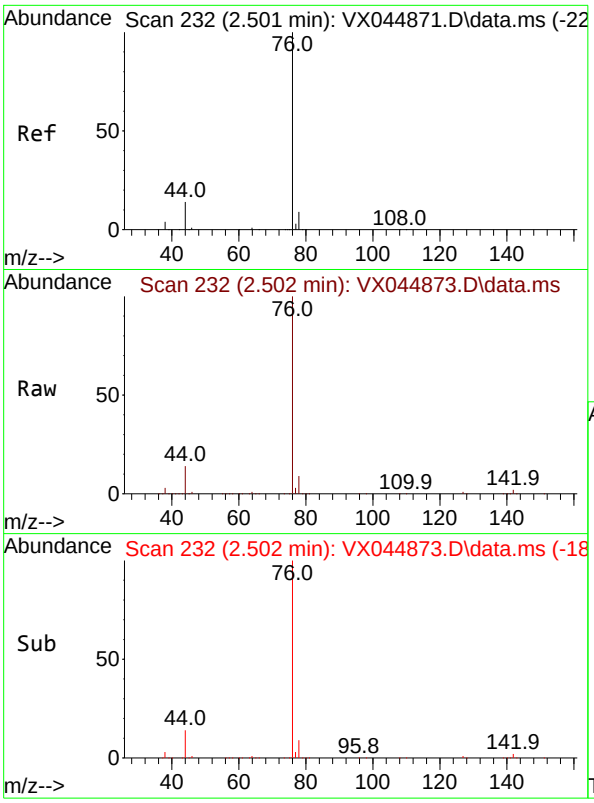


#16
Acetone
Concen: 743.398 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 547939

Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7



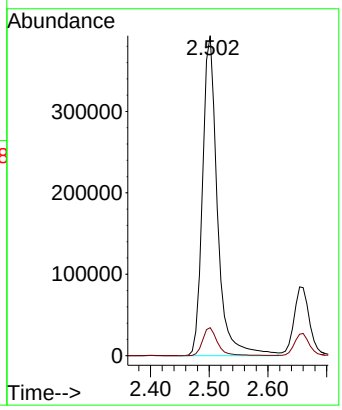


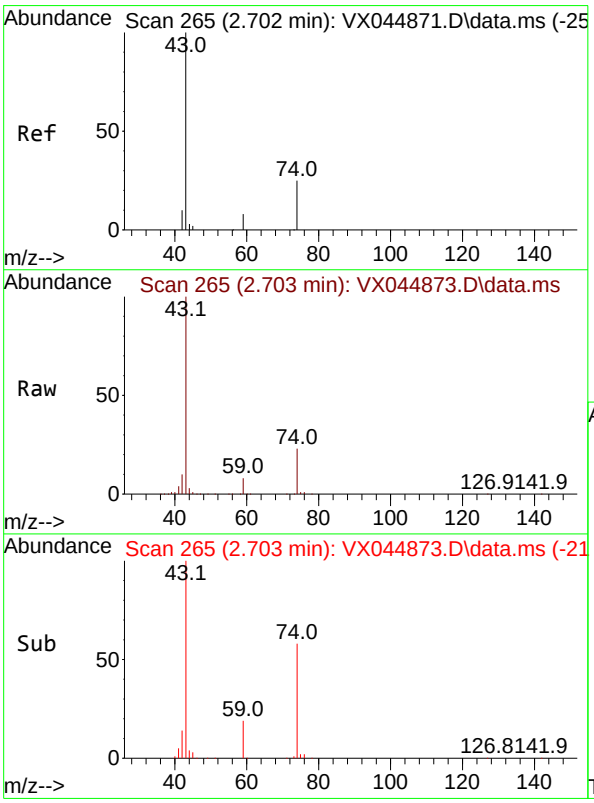
#17
Carbon Disulfide
Concen: 156.665 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 693558

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

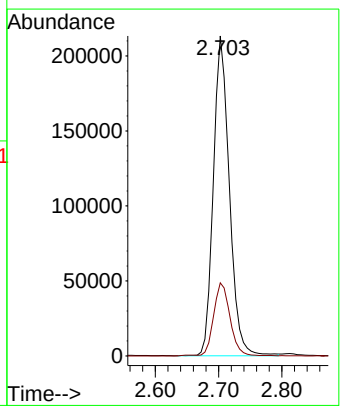


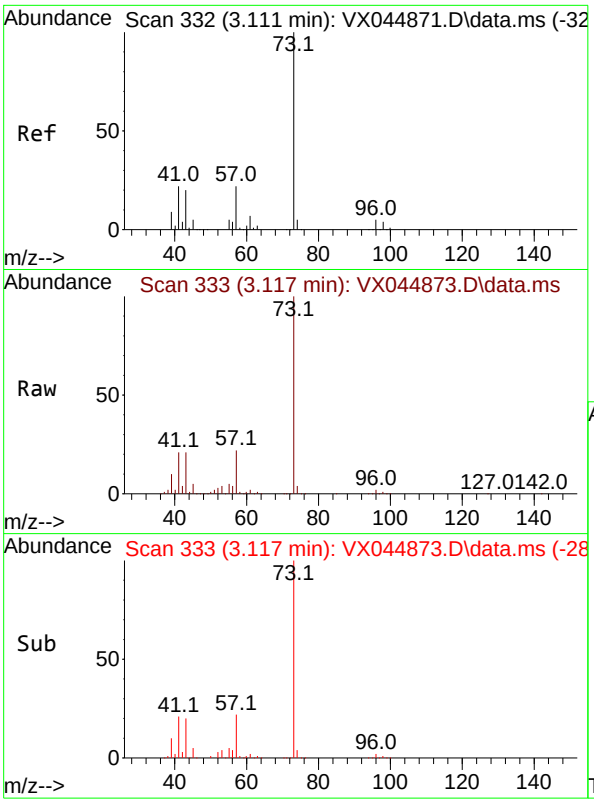


#18
Methyl Acetate
Concen: 160.743 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 373877

Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3



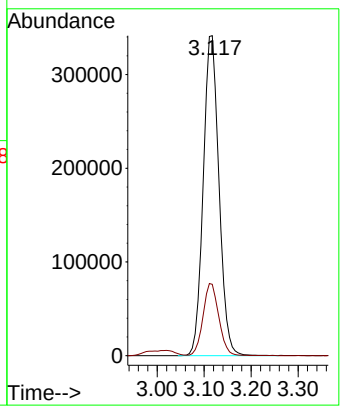


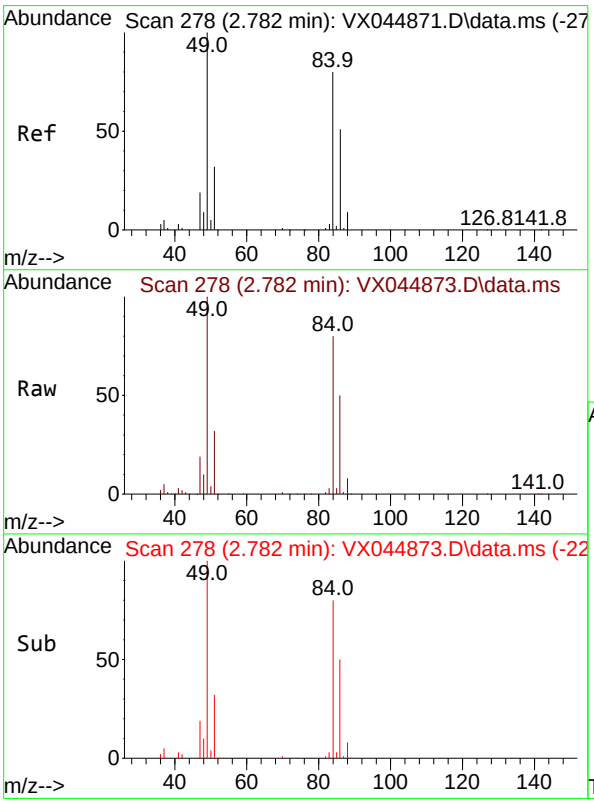
#19
Methyl tert-butyl Ether
Concen: 154.347 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 792810

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9

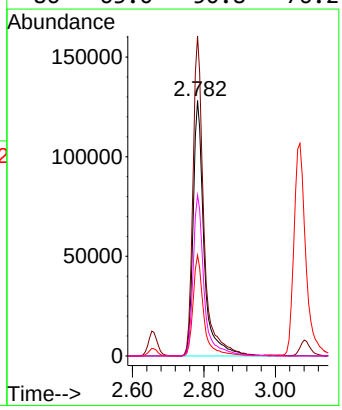


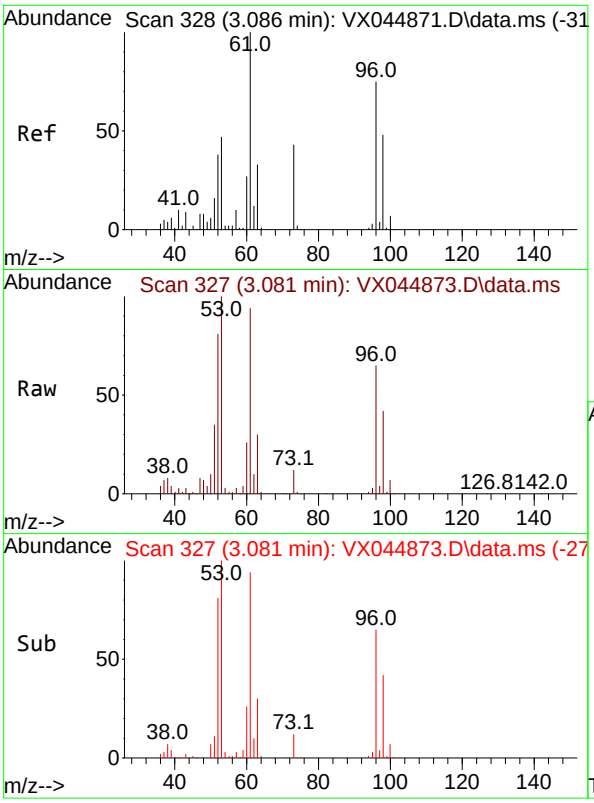


#20
Methylene Chloride
Concen: 149.871 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 84 Resp: 270575

Ion	Ratio	Lower	Upper
84	100		
49	125.2	100.1	150.1
51	39.5	31.7	47.5
86	63.0	50.8	76.2



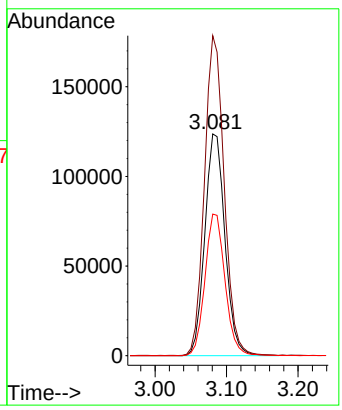


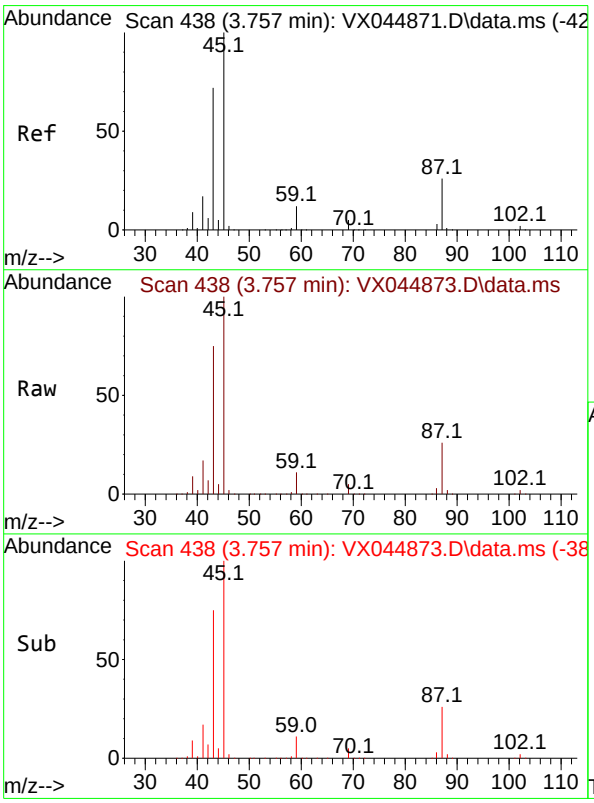
#21
trans-1,2-Dichloroethene
Concen: 152.356 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 242082

Ion	Ratio	Lower	Upper
96	100		
61	144.2	106.0	159.0
98	63.9	50.6	76.0

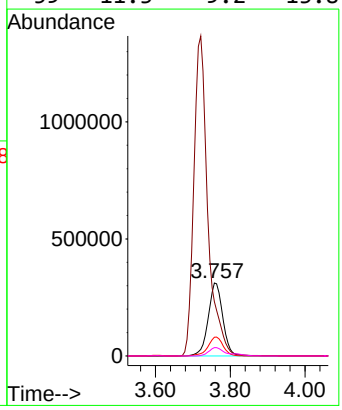


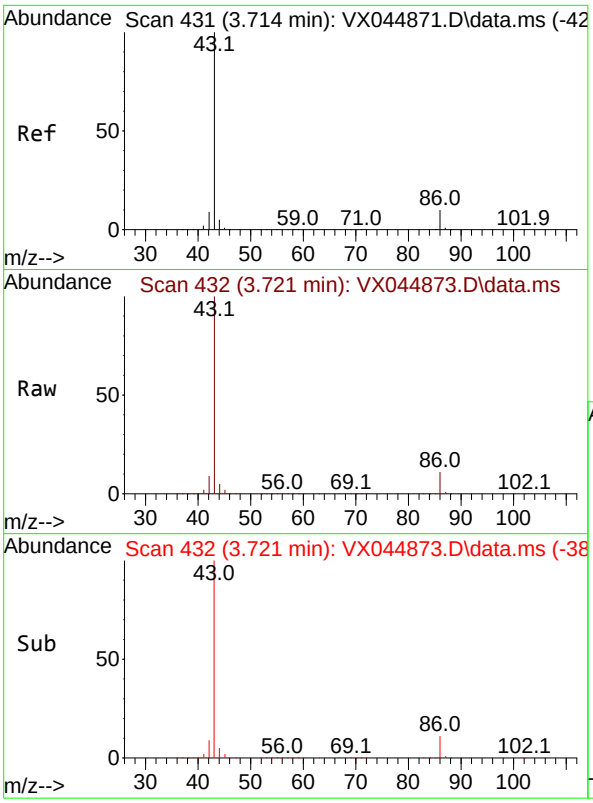


#22
Diisopropyl ether
Concen: 152.020 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 45 Resp: 839126

Ion	Ratio	Lower	Upper
45	100		
43	74.6	58.0	87.0
87	25.8	20.7	31.1
59	11.3	9.2	13.8



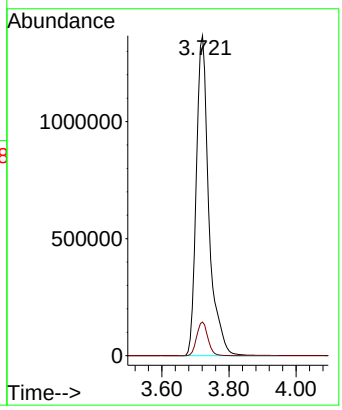


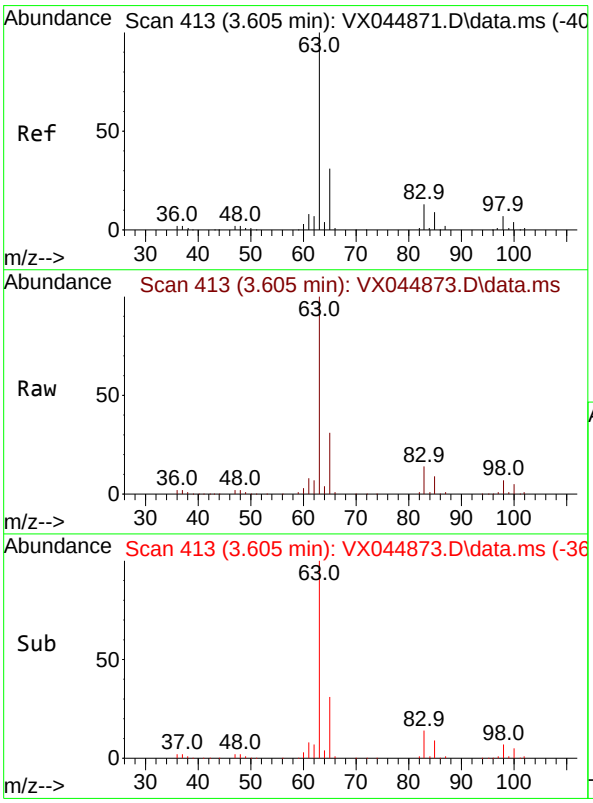
#23
Vinyl Acetate
Concen: 789.993 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3555031

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.3	12.5

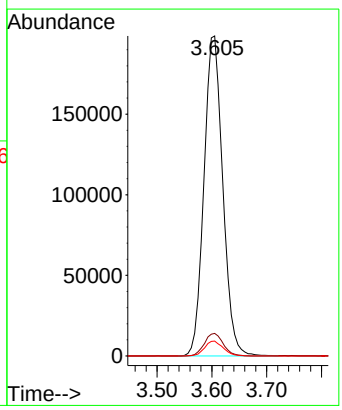


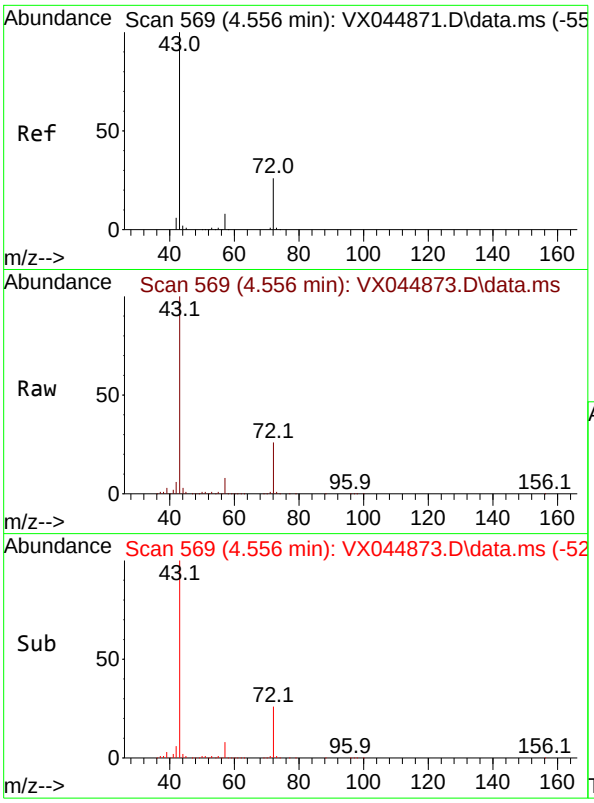


#24
1,1-Dichloroethane
Concen: 152.959 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 472424

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.9
100	4.6	2.1	6.5



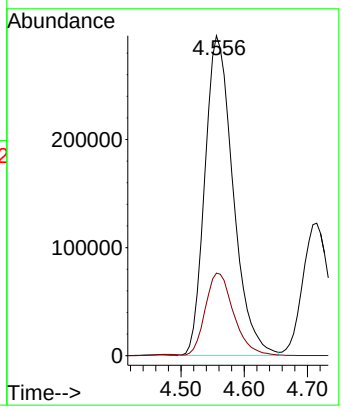


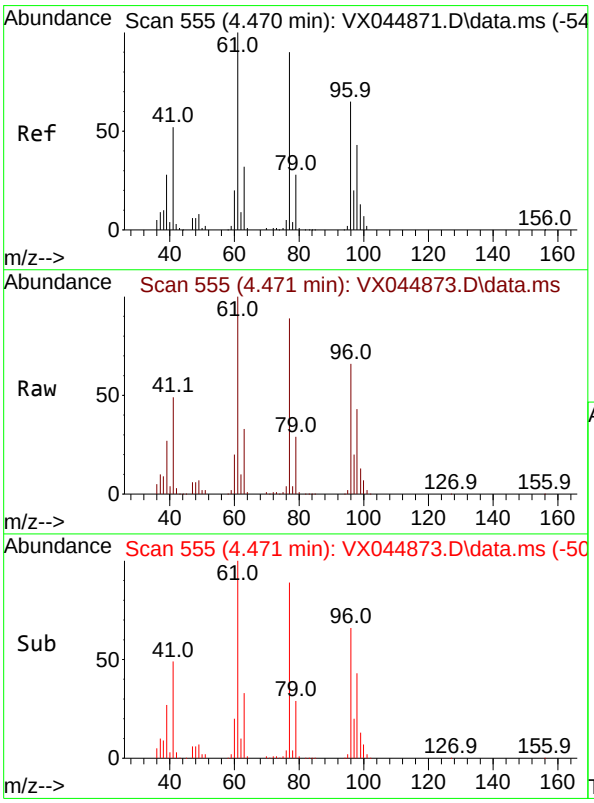
#25
2-Butanone
Concen: 764.276 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 914741

Ion	Ratio	Lower	Upper
43	100		
72	25.6	21.2	31.8

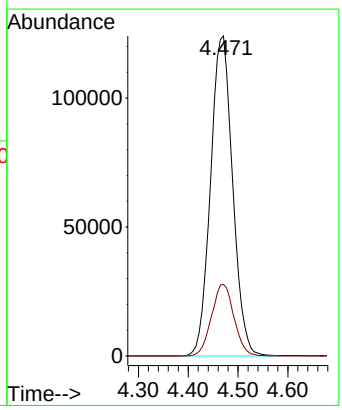


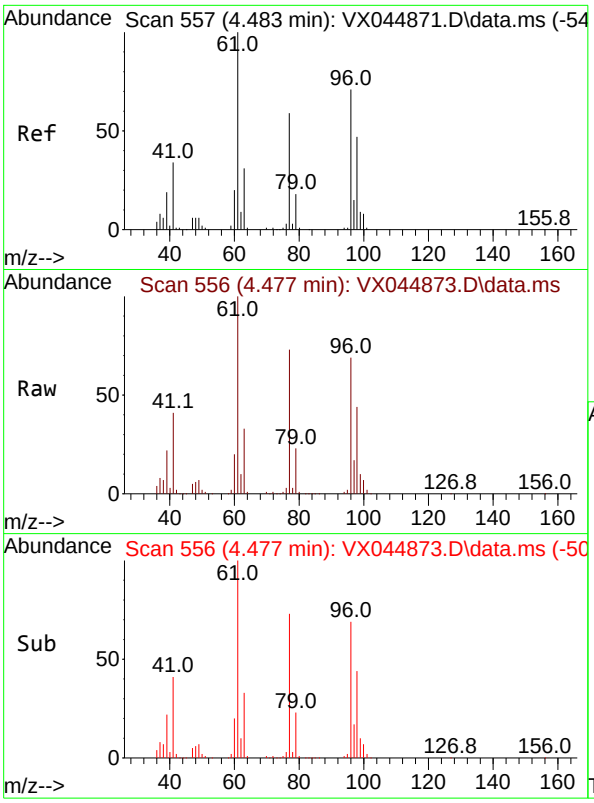


#26
2,2-Dichloropropane
Concen: 156.029 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 77 Resp: 382167

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.8	35.3



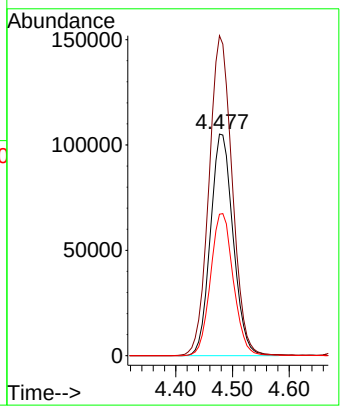


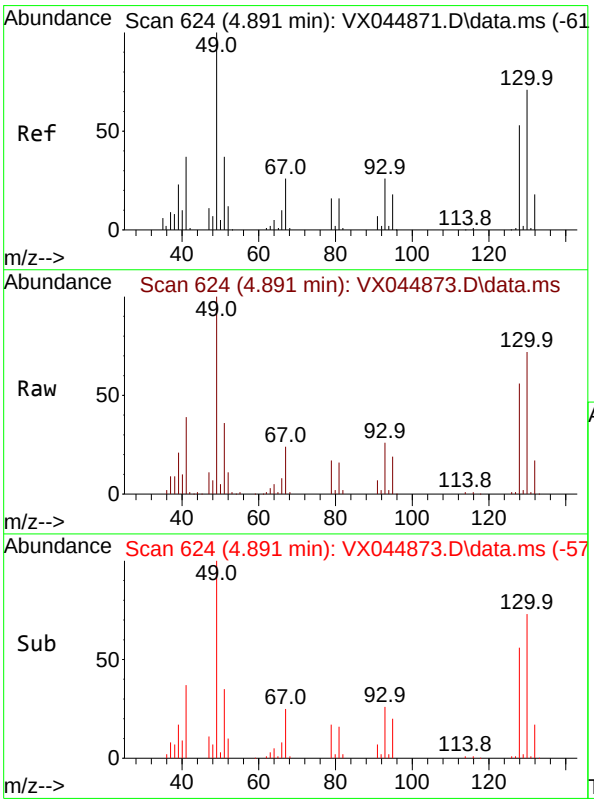
#27
cis-1,2-Dichloroethene
Concen: 153.446 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 292864

Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	294.0
98	64.6	0.0	131.2

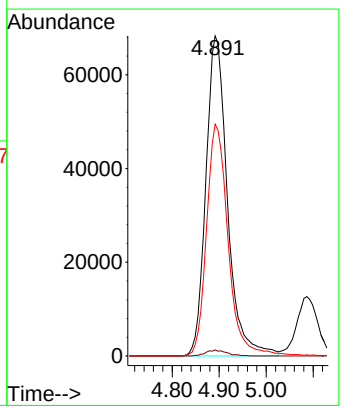


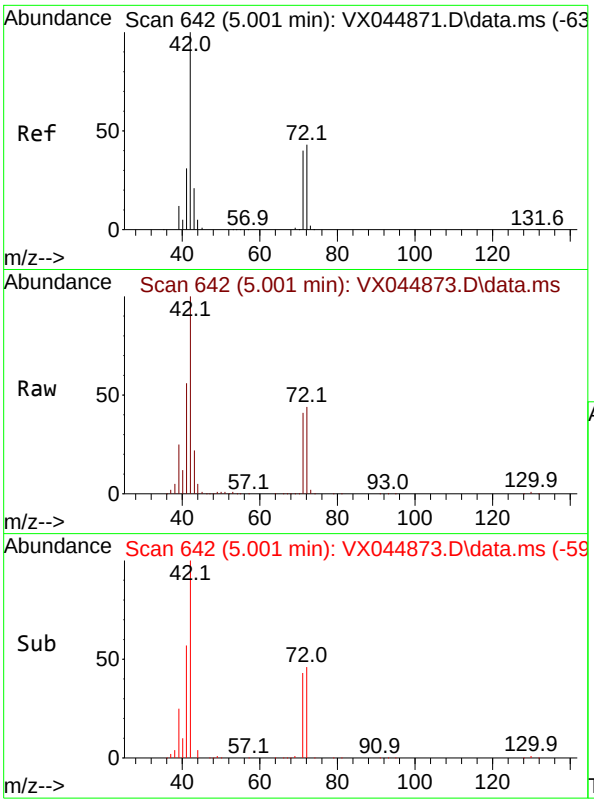


#28
Bromochloromethane
Concen: 146.458 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 49 Resp: 217387

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	72.6	56.7	85.1



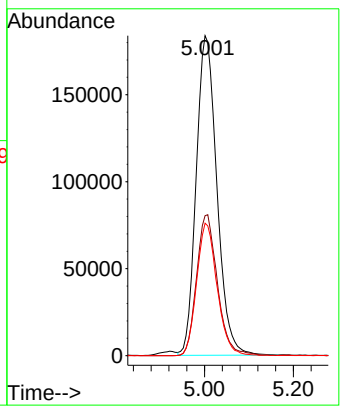


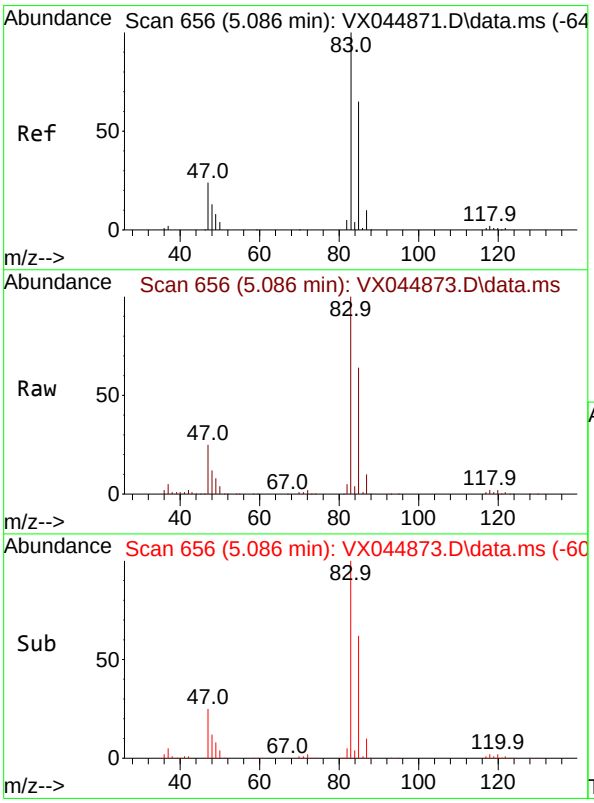
#29
Tetrahydrofuran
Concen: 749.977 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 596045

Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.0	52.4
71	41.0	32.6	48.8

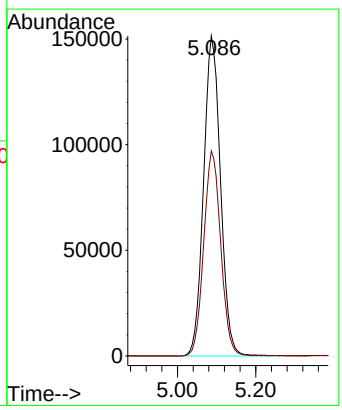


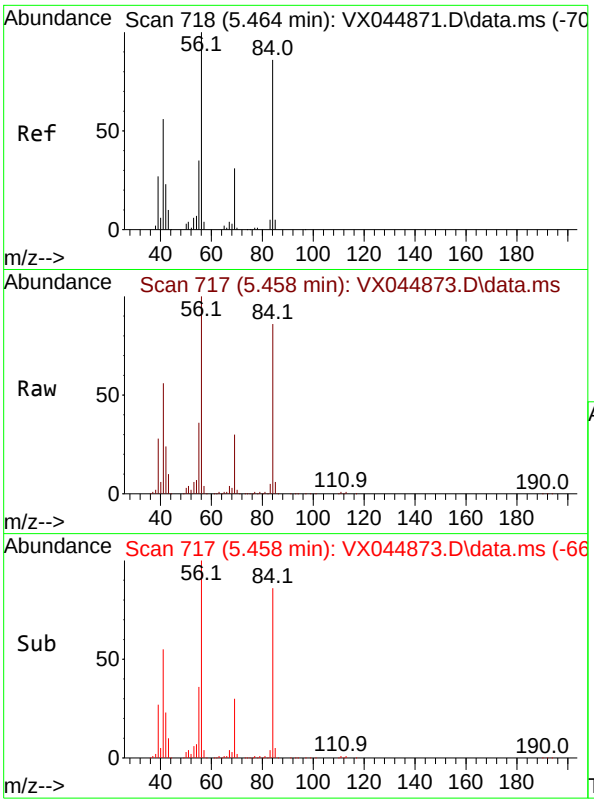


#30
Chloroform
Concen: 151.509 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 83 Resp: 453809

Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.1	78.1



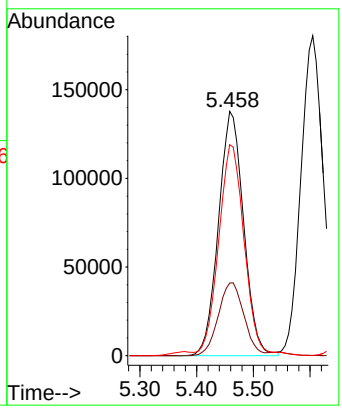


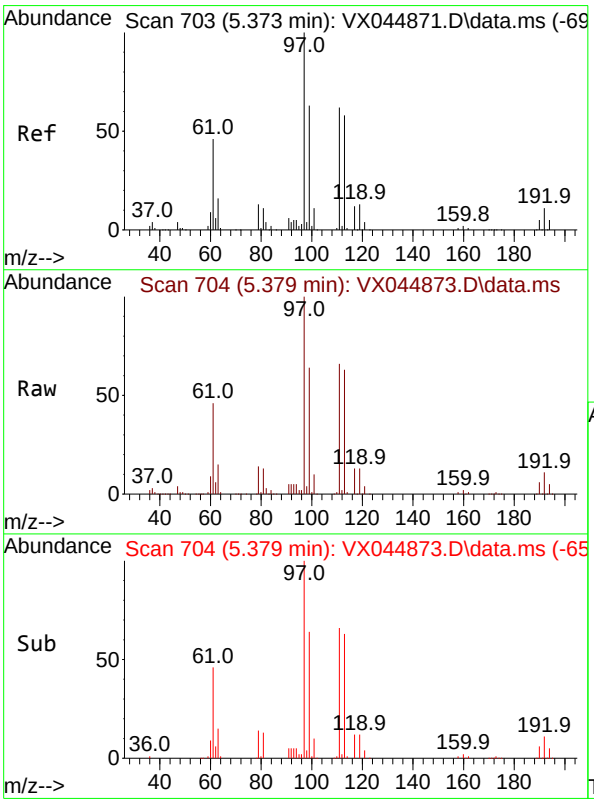
#31
Cyclohexane
Concen: 148.722 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 423464

Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.4	36.6
84	85.0	69.0	103.6

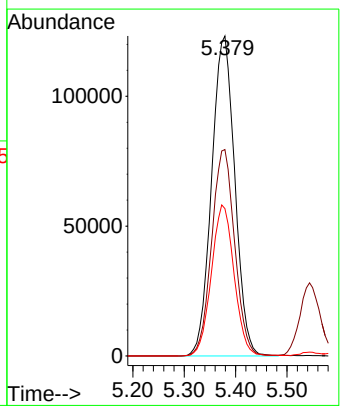


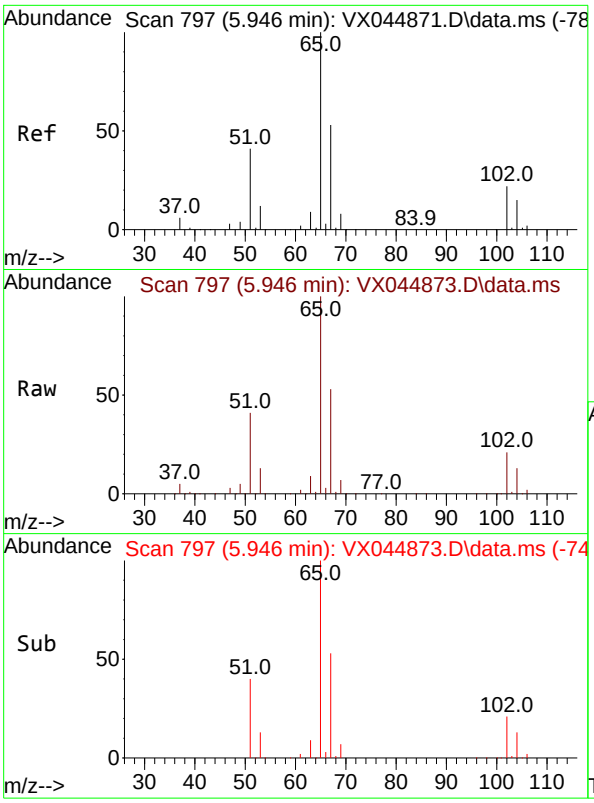


#32
1,1,1-Trichloroethane
Concen: 151.996 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 97 Resp: 386162

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	46.4	36.6	55.0



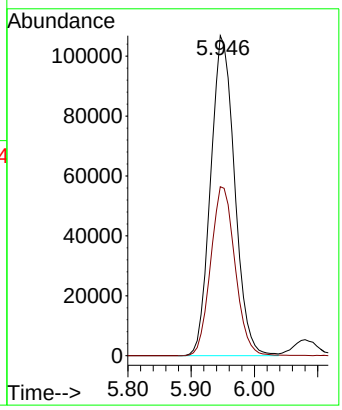


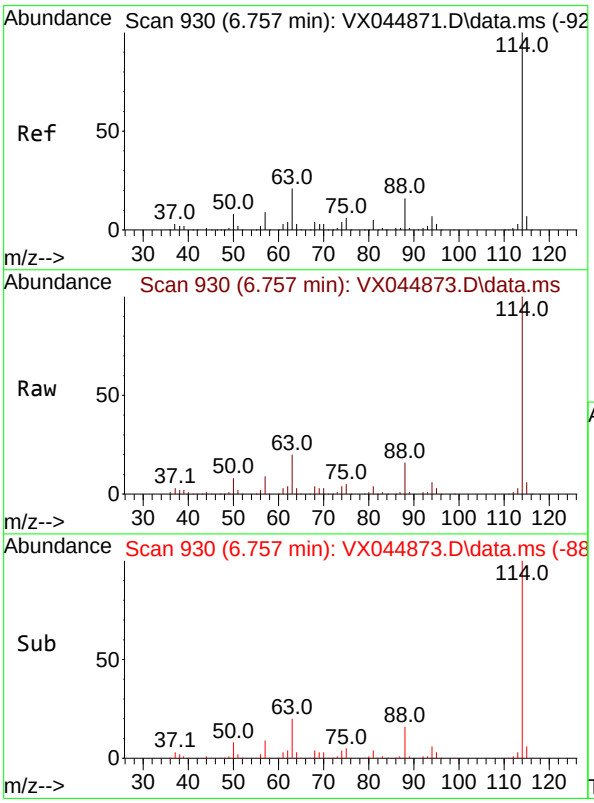
#33
1,2-Dichloroethane-d4
Concen: 153.180 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 280853

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.2

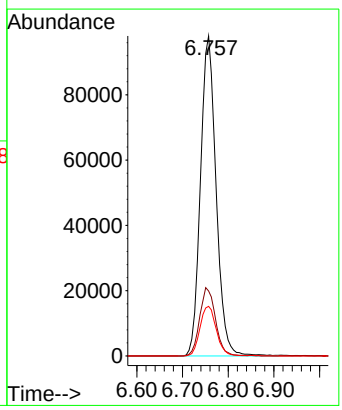


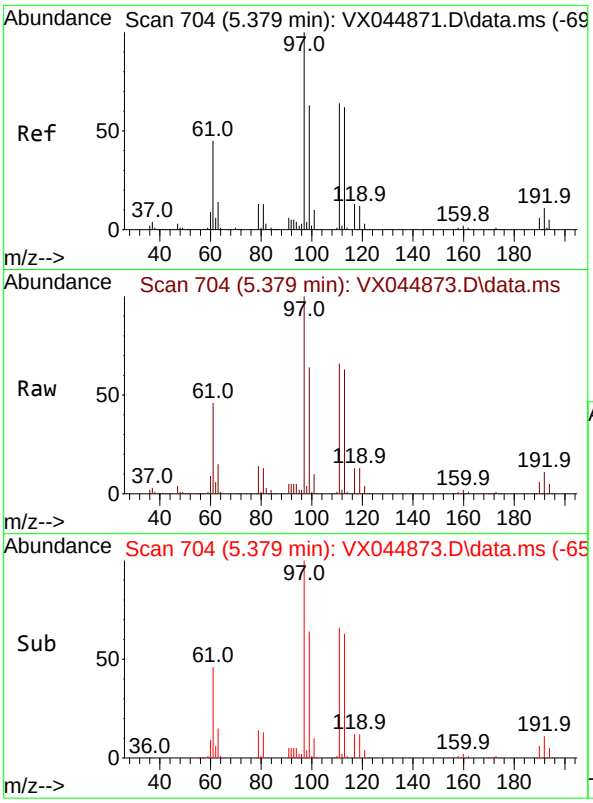


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:114 Resp: 232597

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.4
88	15.5	0.0	31.4



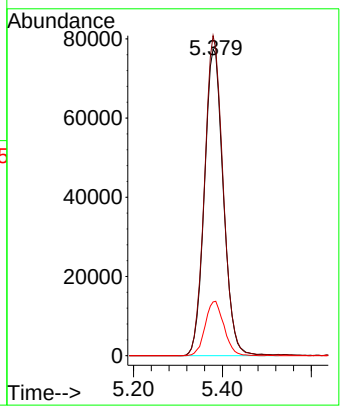


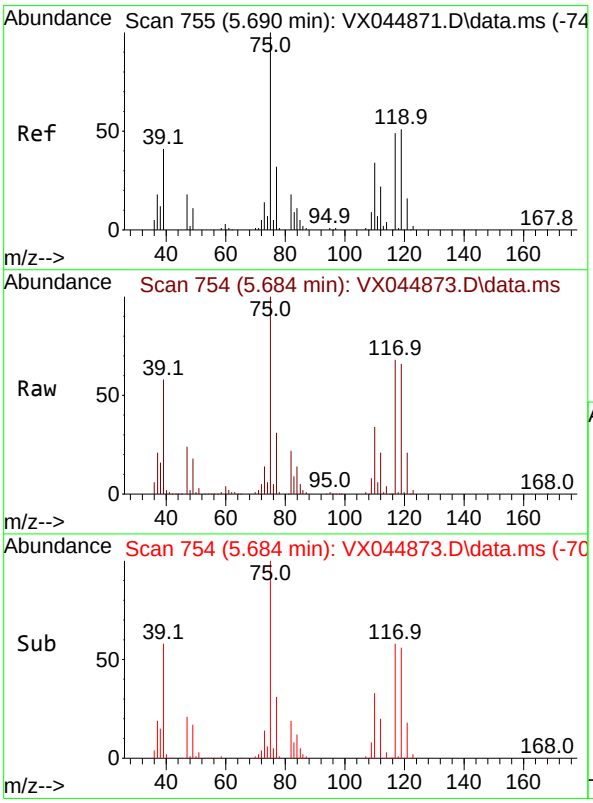
#35
Dibromofluoromethane
Concen: 151.572 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 229218

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.5	125.3
192	17.6	14.4	21.6

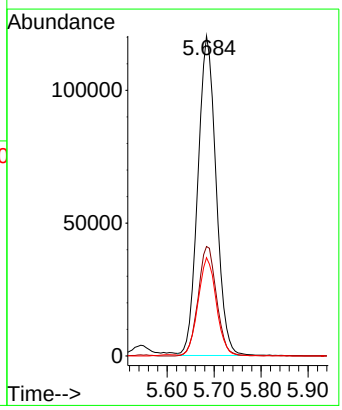


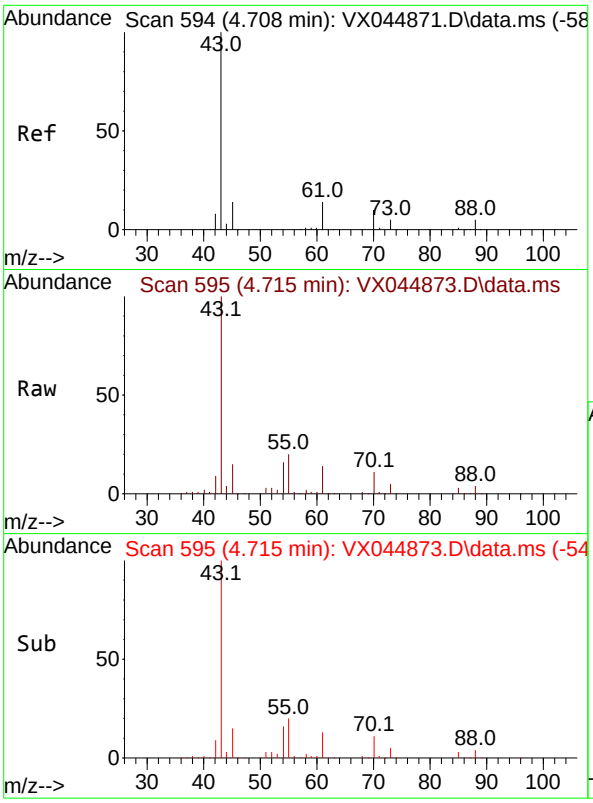


#36
1,1-Dichloropropene
Concen: 148.585 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 324182

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.2	51.6
77	30.9	24.6	37.0



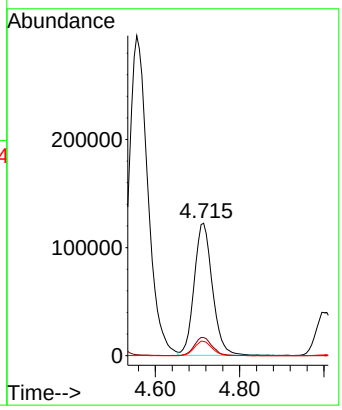


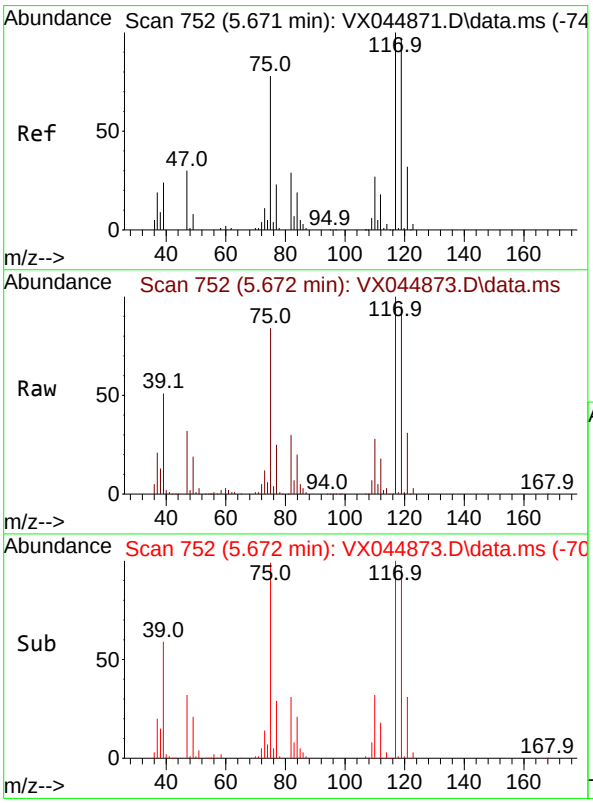
#37
Ethyl Acetate
Concen: 151.956 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 368763

Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	10.6	8.2	12.2

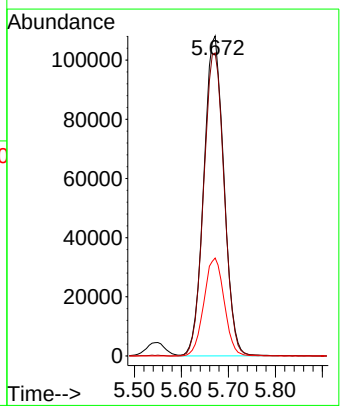


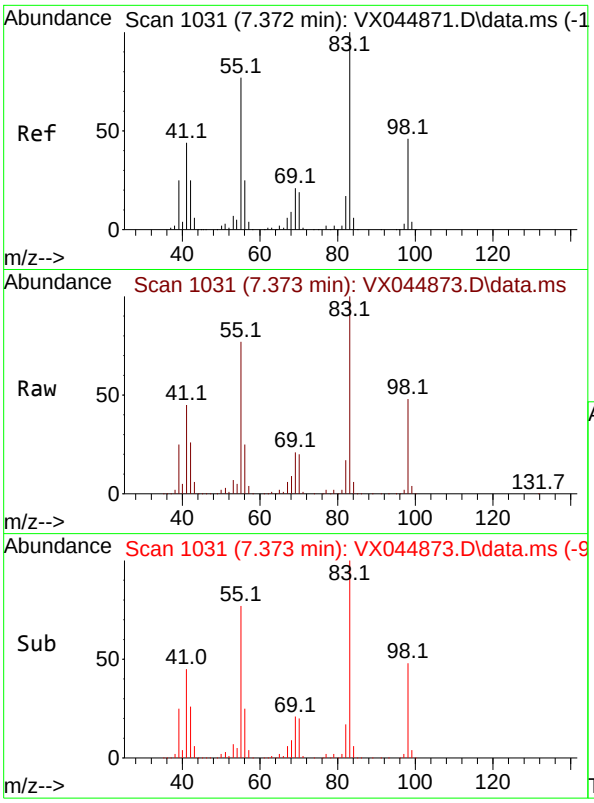


#38
Carbon Tetrachloride
Concen: 149.921 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:117 Resp: 320536

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.5	116.3
121	30.6	25.6	38.4



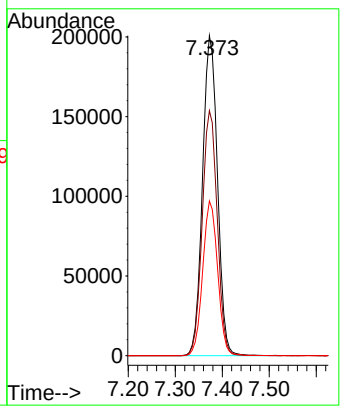


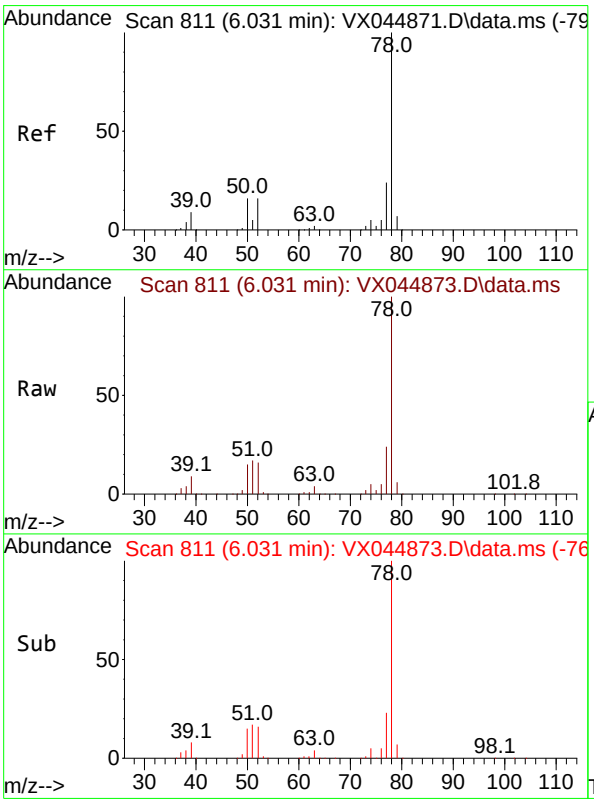
#39
Methylcyclohexane
Concen: 157.130 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 443218

Ion	Ratio	Lower	Upper
83	100		
55	76.5	61.3	91.9
98	48.4	37.0	55.6

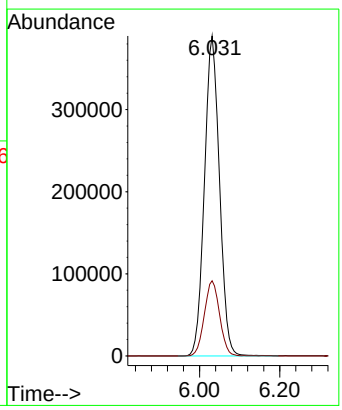


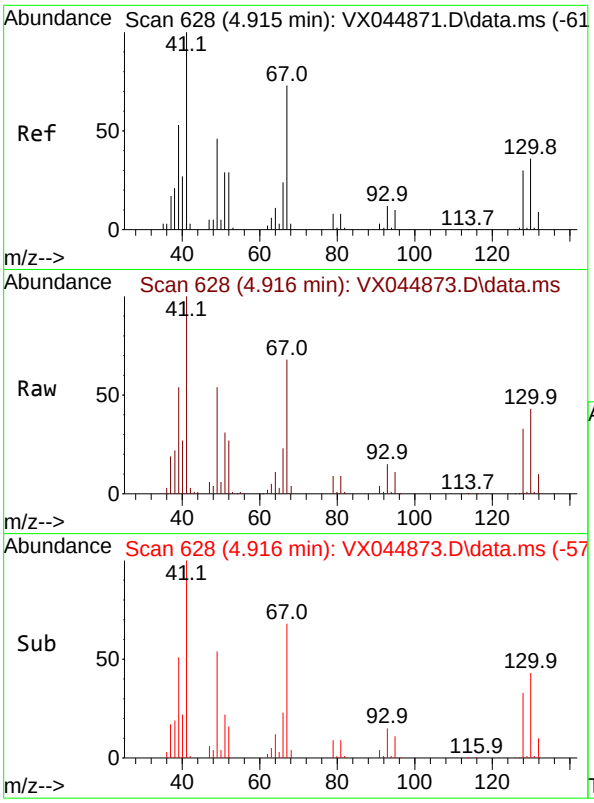


#40
Benzene
Concen: 148.856 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 78 Resp: 1014129

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6



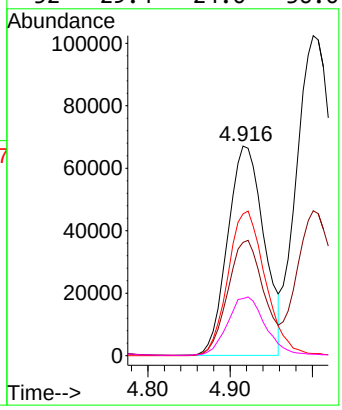


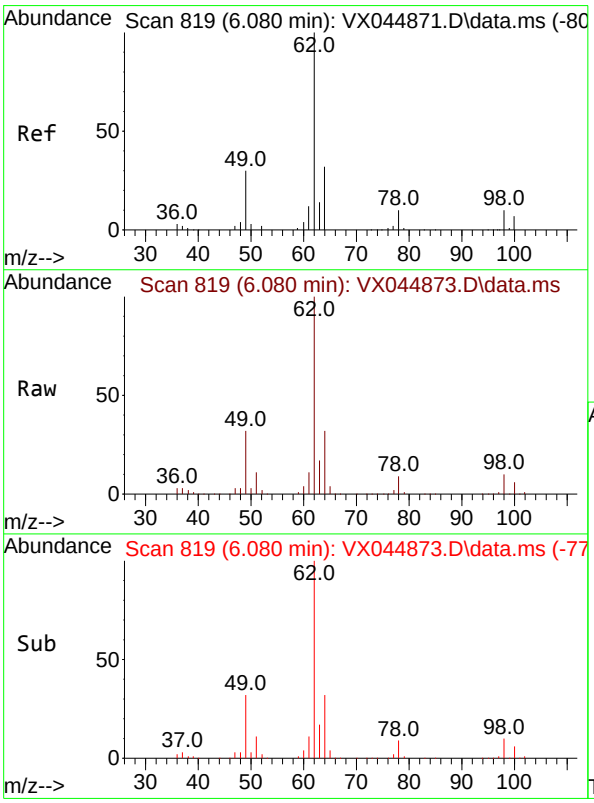
#41
Methacrylonitrile
Concen: 158.707 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 206155

Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.1	64.7
67	71.4	57.0	85.6
52	29.4	24.0	36.0

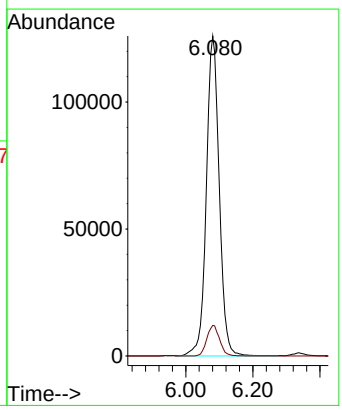


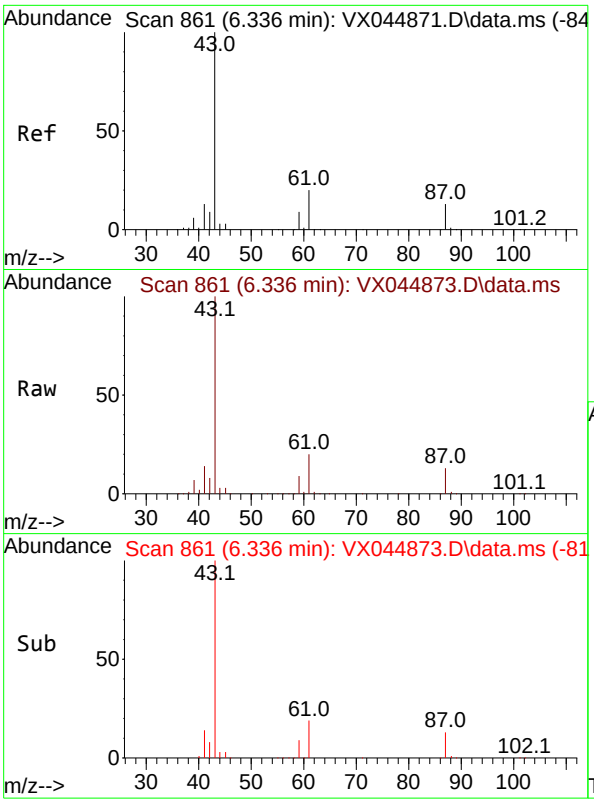


#42
1,2-Dichloroethane
Concen: 154.984 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 336520

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4



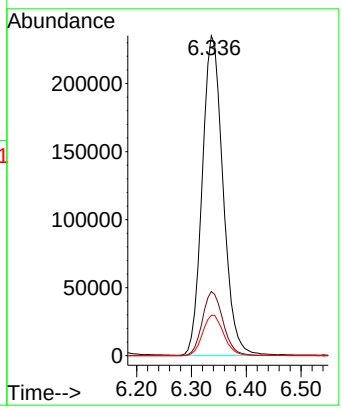


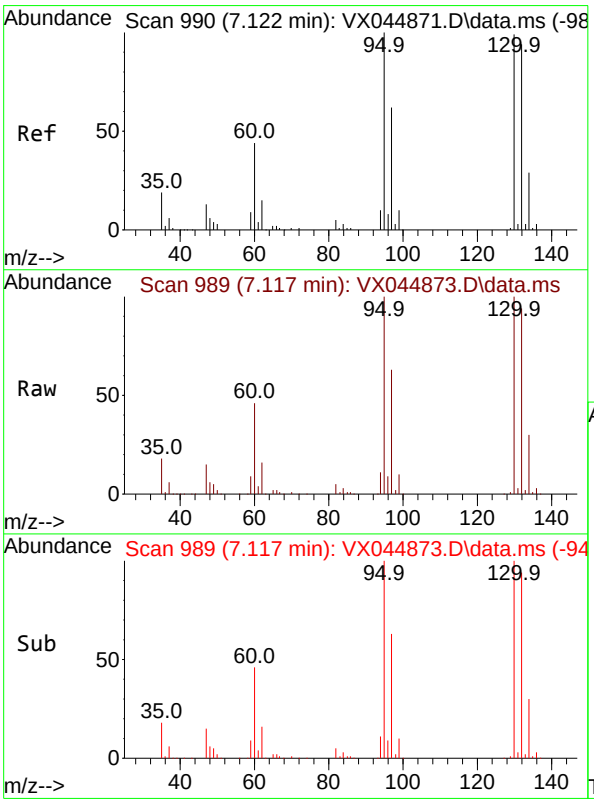
#43
Isopropyl Acetate
Concen: 157.575 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 617516

Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.8	23.8
87	12.9	10.0	15.0

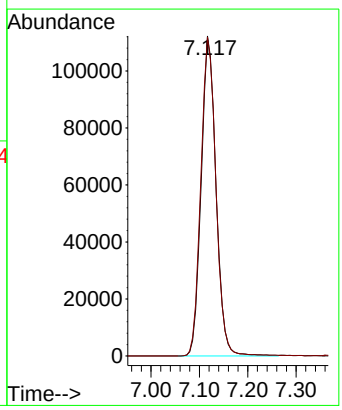


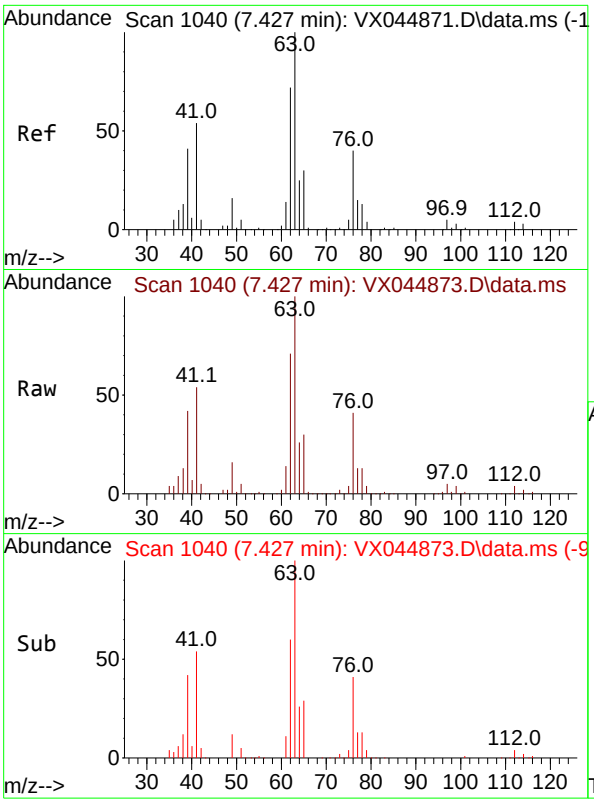


#44
Trichloroethene
Concen: 153.496 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:130 Resp: 239030

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	202.4



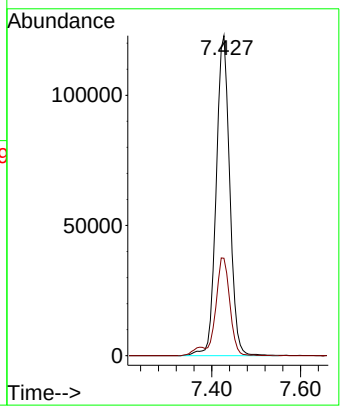


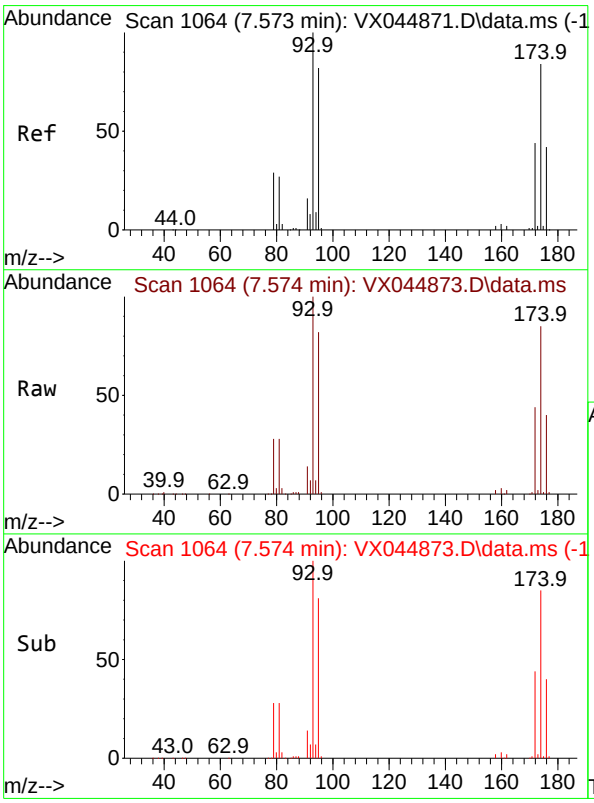
#45
1,2-Dichloropropane
Concen: 153.076 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 259454

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.2	36.4

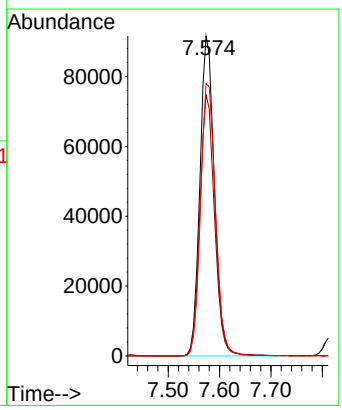


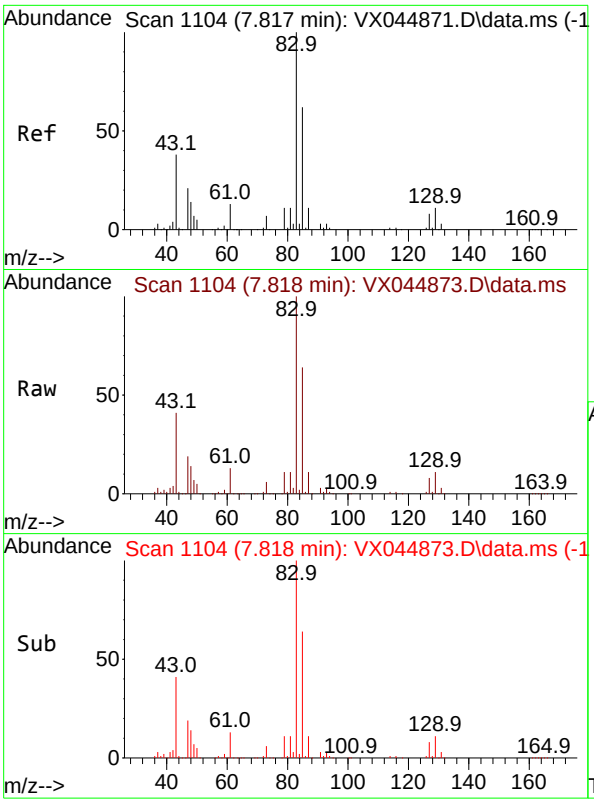


#46
Dibromomethane
Concen: 152.870 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 93 Resp: 179689

Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.2	99.4
174	87.9	69.9	104.9



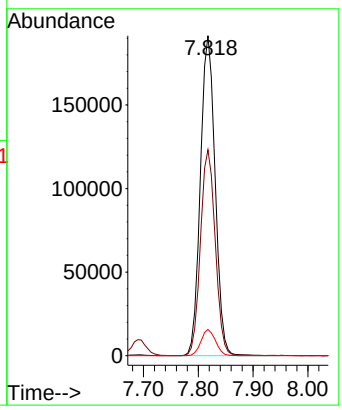


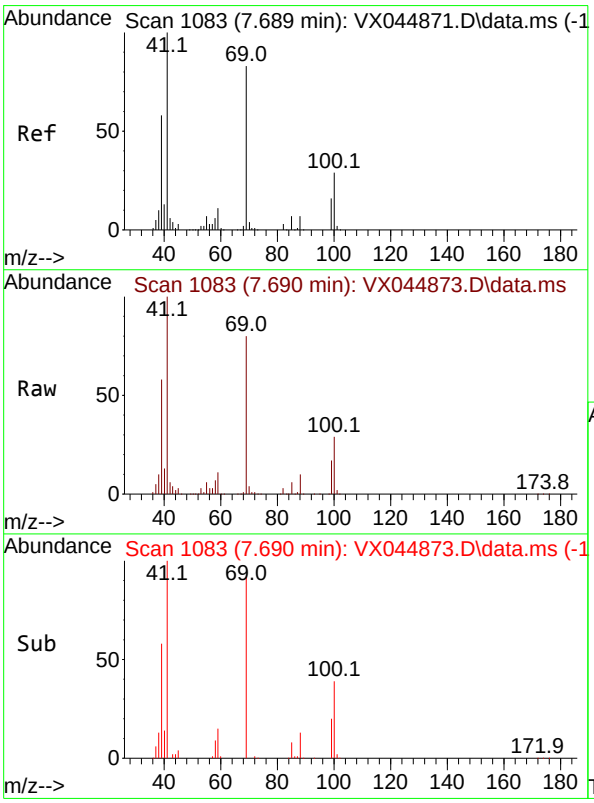
#47
Bromodichloromethane
Concen: 157.128 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 357623

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.0	75.0
127	8.2	6.4	9.6

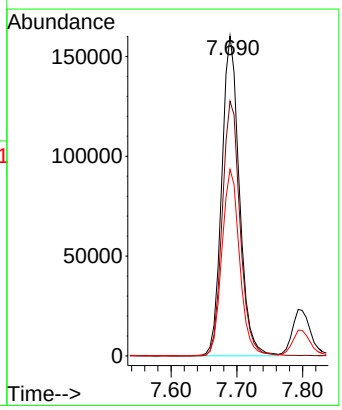


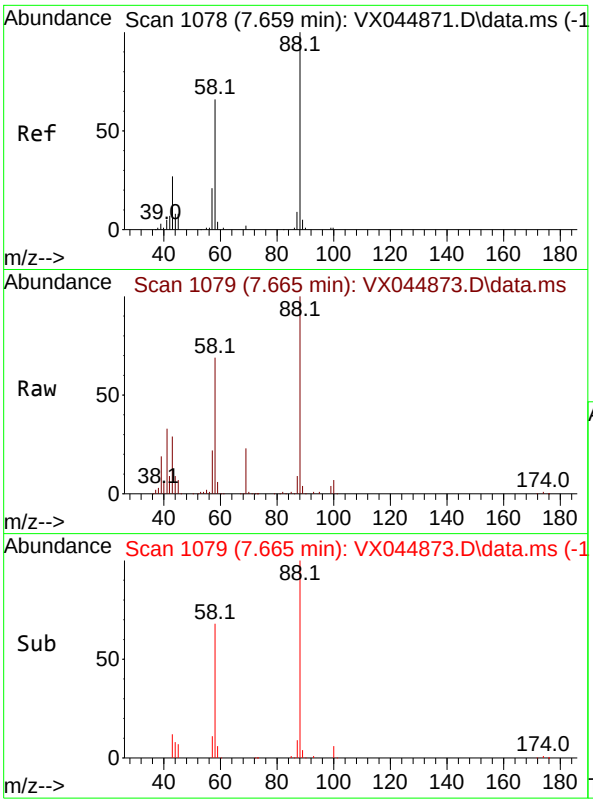


#48
Methyl methacrylate
Concen: 161.236 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 297931

Ion	Ratio	Lower	Upper
41	100		
69	81.4	65.8	98.8
39	58.7	46.4	69.6



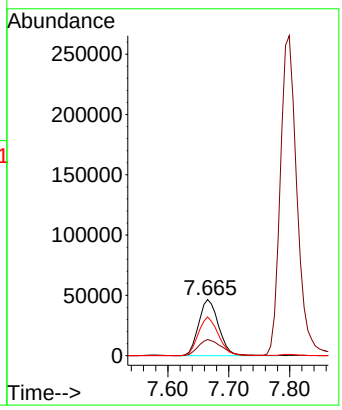


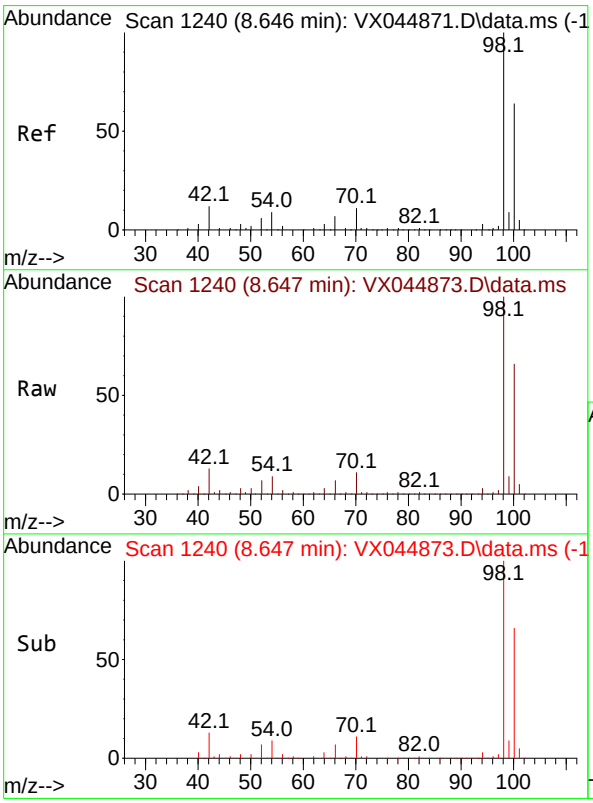
#49
1,4-Dioxane
Concen: 2678.192 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 106175

Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.6	39.8
58	69.4	55.9	83.9

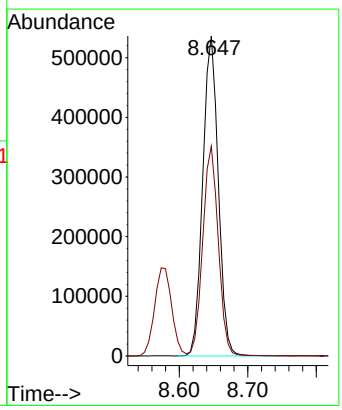


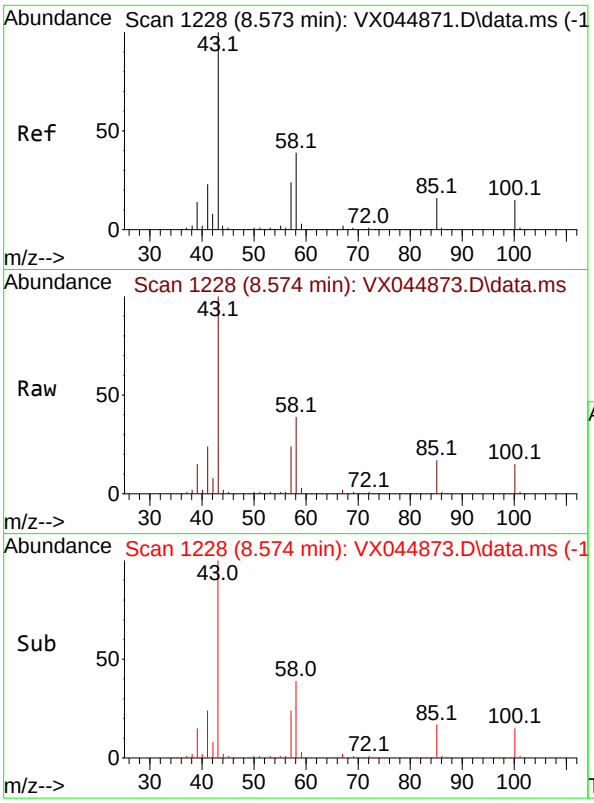


#50
Toluene-d8
Concen: 147.877 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 98 Resp: 845632

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1



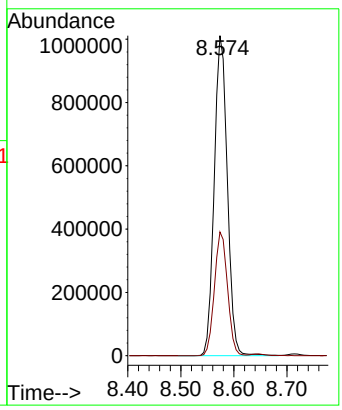


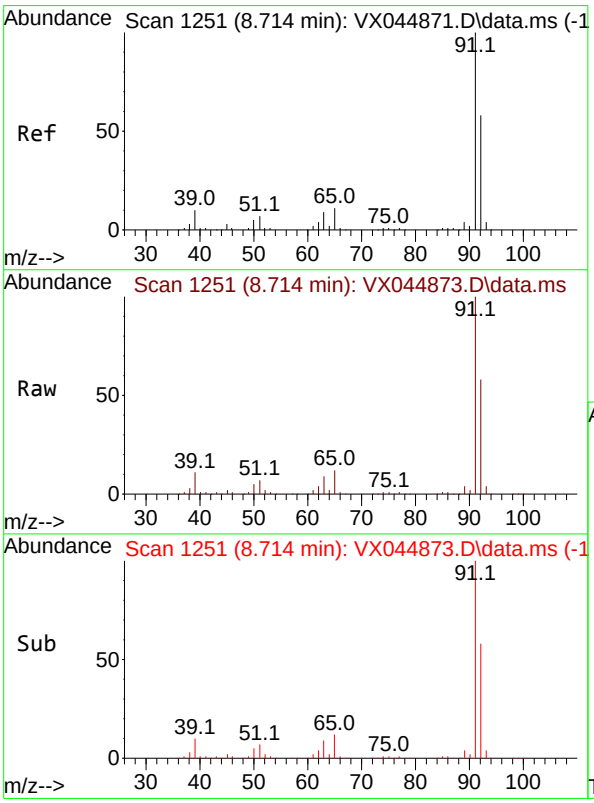
#51
4-Methyl-2-Pentanone
Concen: 728.887 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1736538

Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.8	46.2

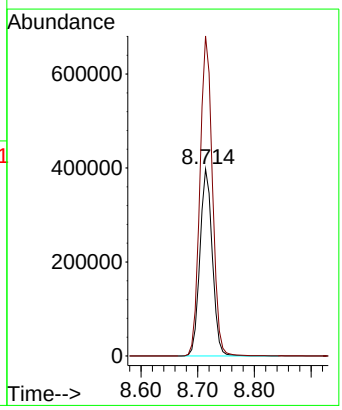


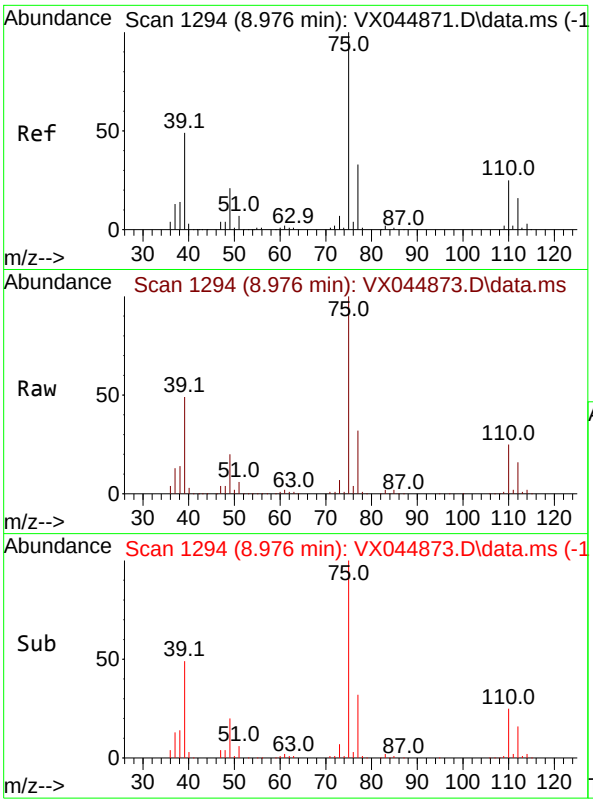


#52
Toluene
Concen: 148.645 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 92 Resp: 603113

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.4	206.2



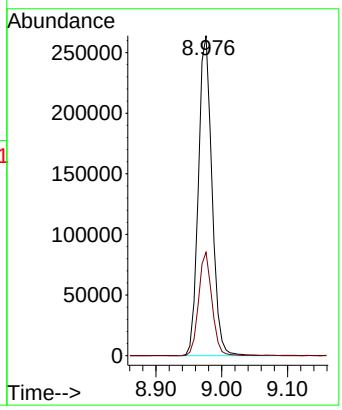


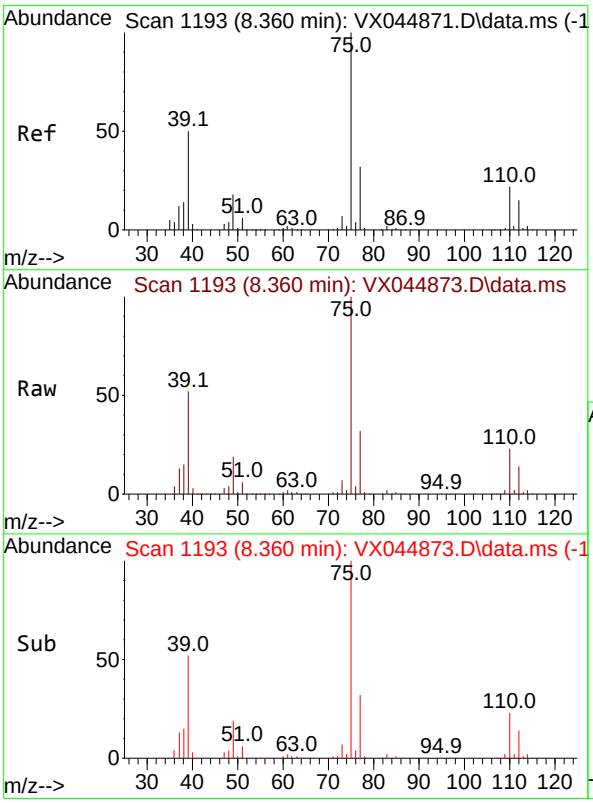
#53
t-1,3-Dichloropropene
Concen: 164.398 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 378639

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.0	39.0

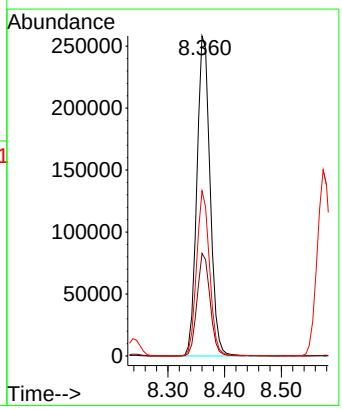


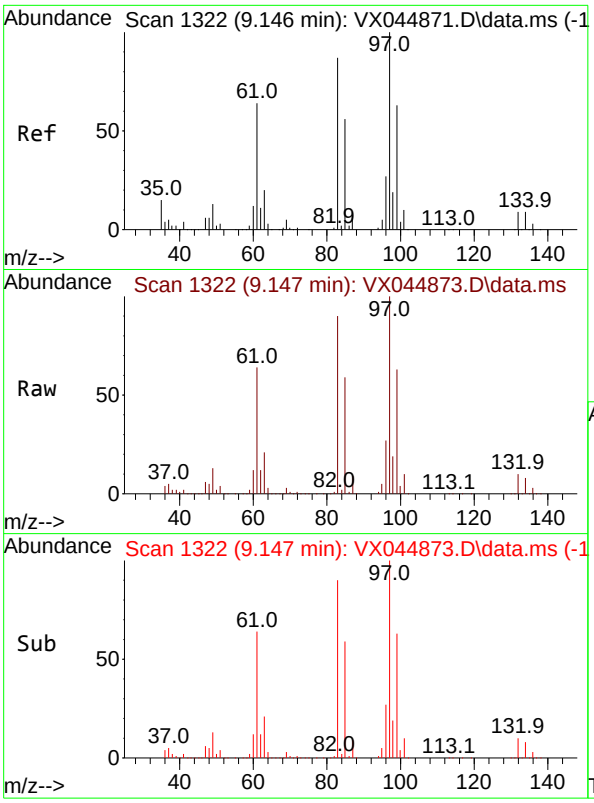


#54
cis-1,3-Dichloropropene
Concen: 162.667 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 417724

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9
39	51.5	40.0	60.0



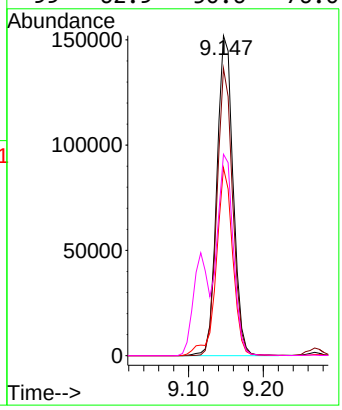


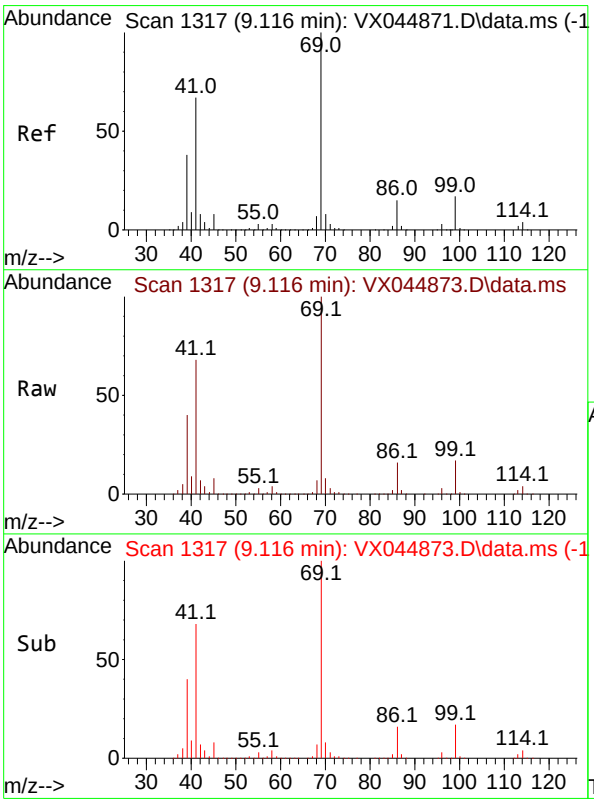
#55
1,1,2-Trichloroethane
Concen: 147.172 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 229548

Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.8	104.6
85	58.7	44.8	67.2
99	62.9	50.6	76.0

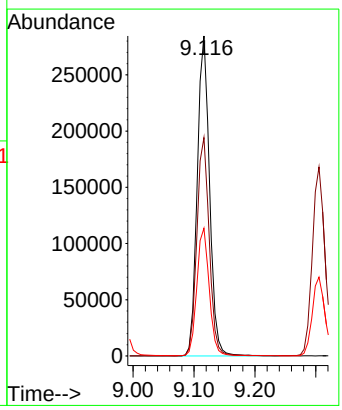


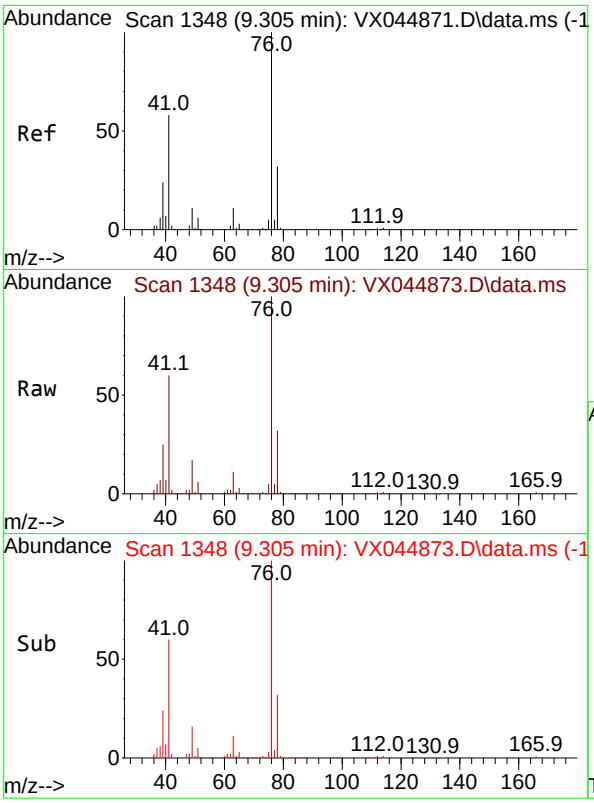


#56
Ethyl methacrylate
Concen: 158.205 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 69 Resp: 398535

Ion	Ratio	Lower	Upper
69	100		
41	68.7	55.2	82.8
39	40.0	30.8	46.2



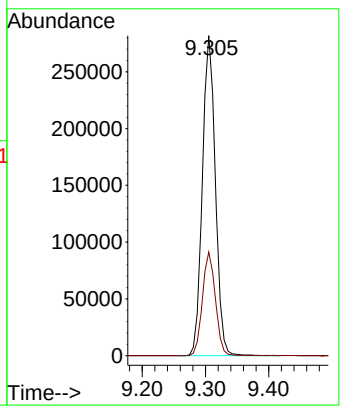


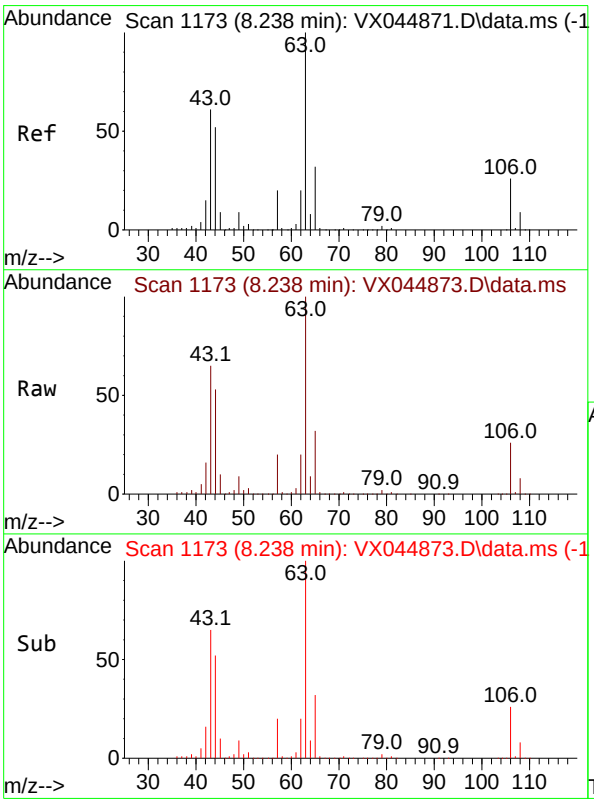
#57
1,3-Dichloropropane
Concen: 147.915 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 403665

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

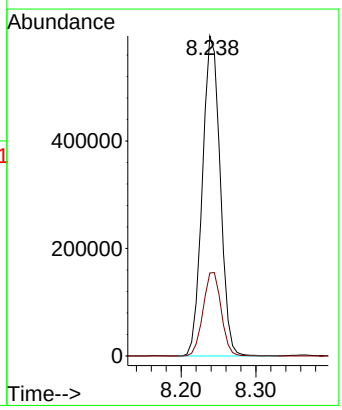


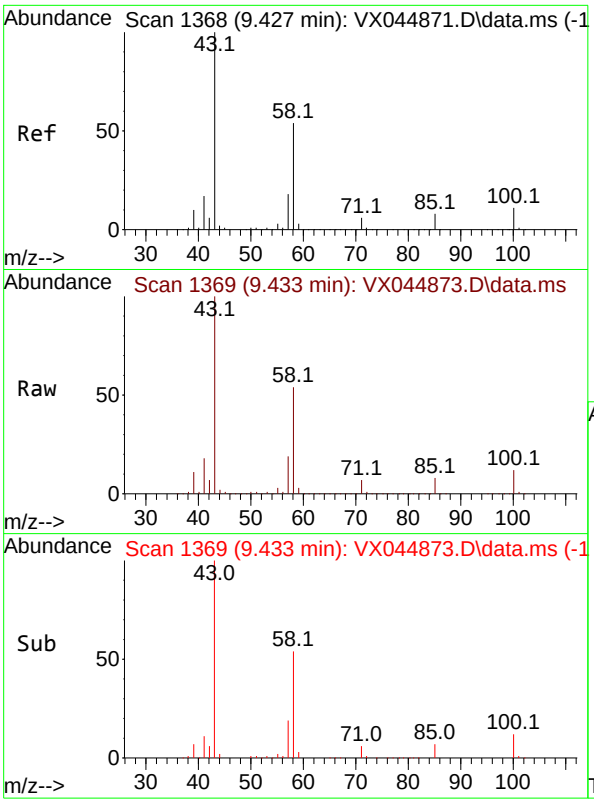


#58
2-Chloroethyl Vinyl ether
Concen: 794.010 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 982120

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9



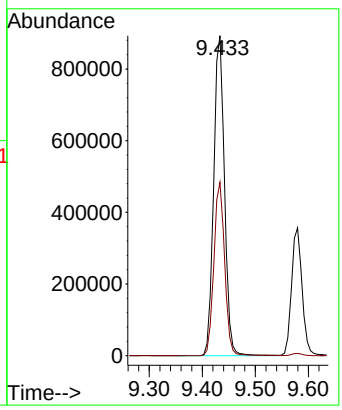


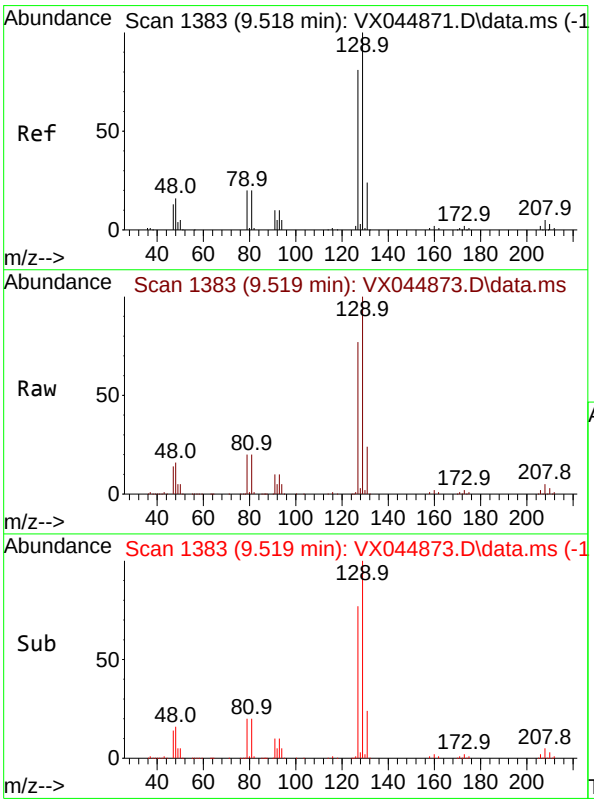
#59
2-Hexanone
Concen: 736.622 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1264470

Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.5	82.4

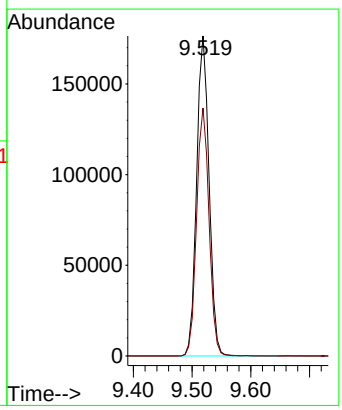


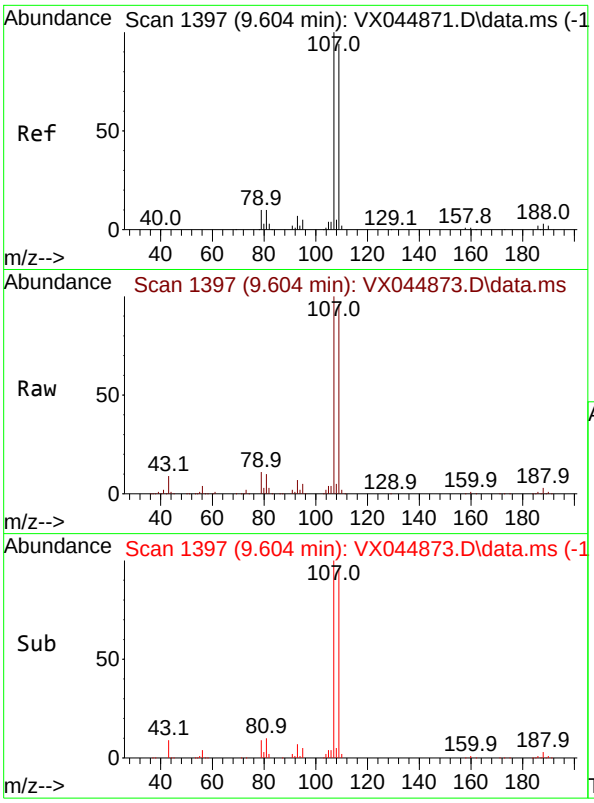


#60
Dibromochloromethane
Concen: 154.862 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:129 Resp: 258320

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.3



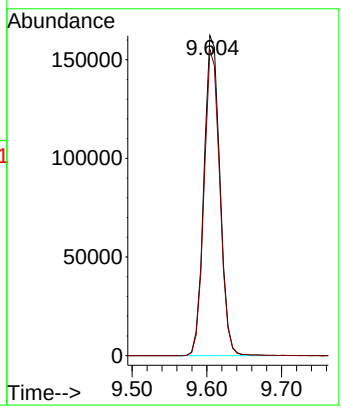


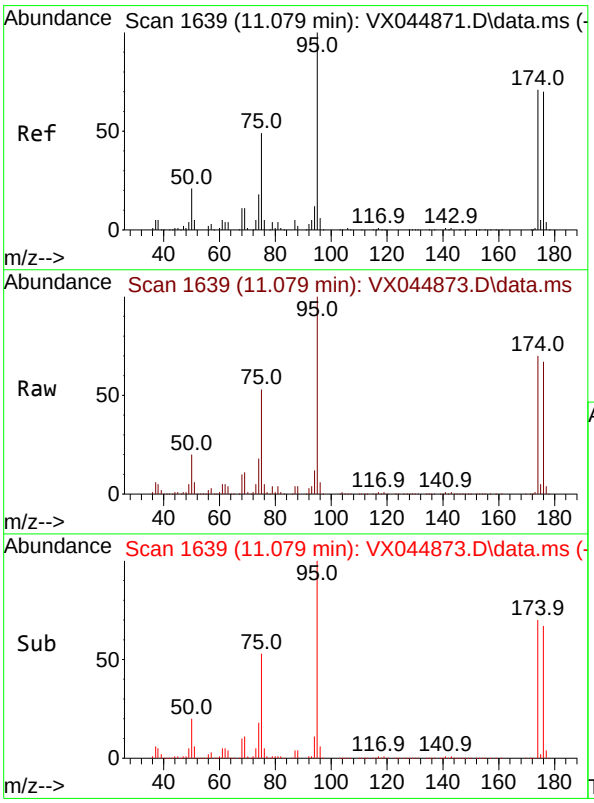
#61
1,2-Dibromoethane
Concen: 152.157 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 240539

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.9	113.9

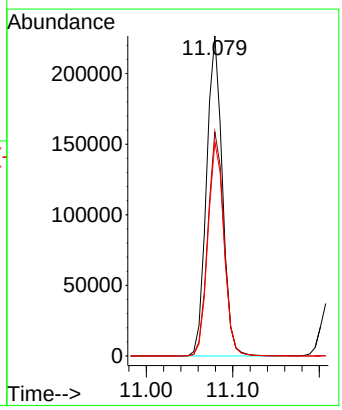


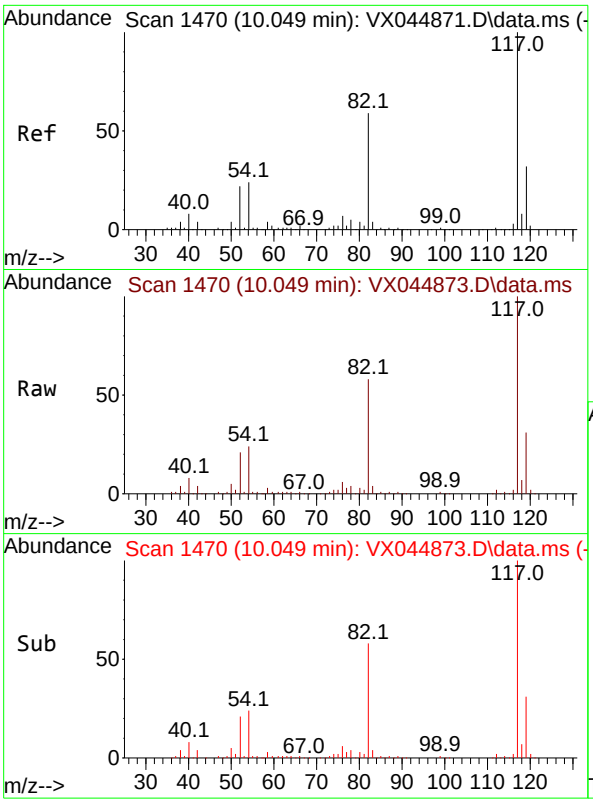


#62
4-Bromofluorobenzene
Concen: 149.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 95 Resp: 287486

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	142.6
176	68.0	0.0	141.6



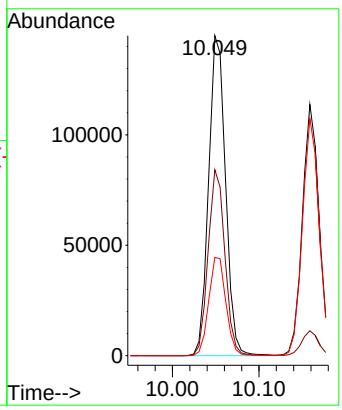


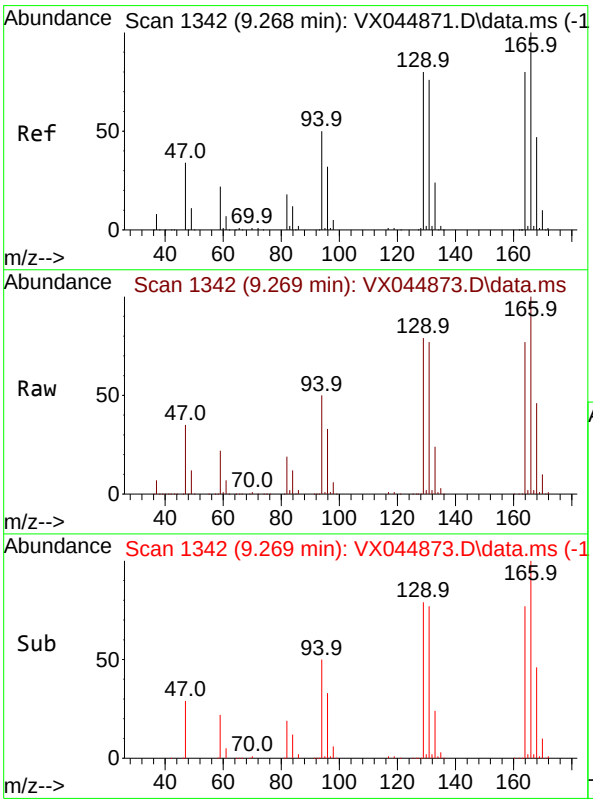
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 196663

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.5	71.3
119	30.7	25.4	38.0

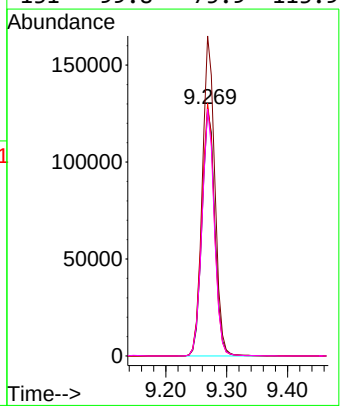


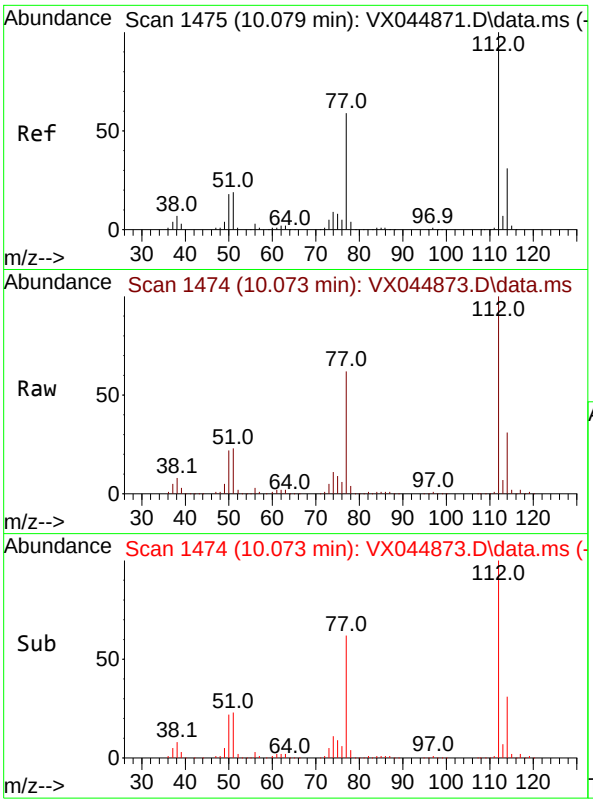


#64
Tetrachloroethene
Concen: 149.155 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:164 Resp: 184990

Ion	Ratio	Lower	Upper
164	100		
166	129.5	100.4	150.6
129	102.3	79.9	119.9
131	99.8	75.9	113.9



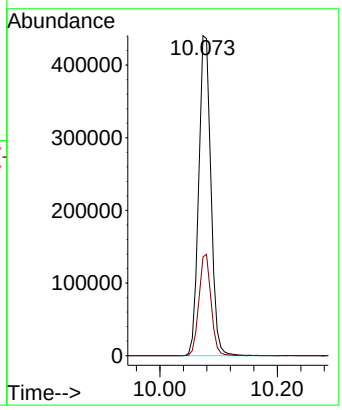


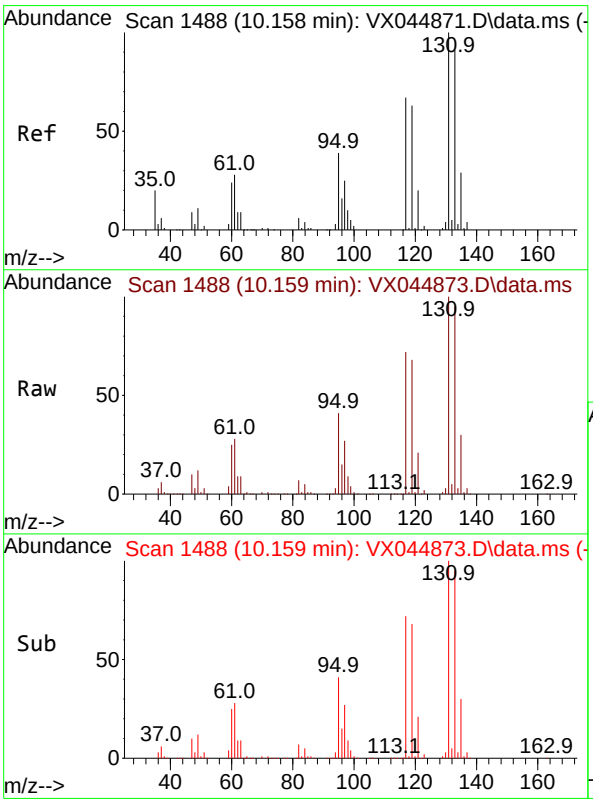
#65
Chlorobenzene
Concen: 150.224 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 634550

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

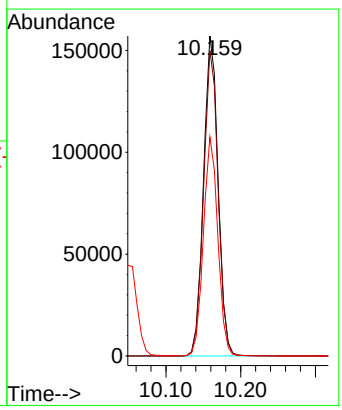


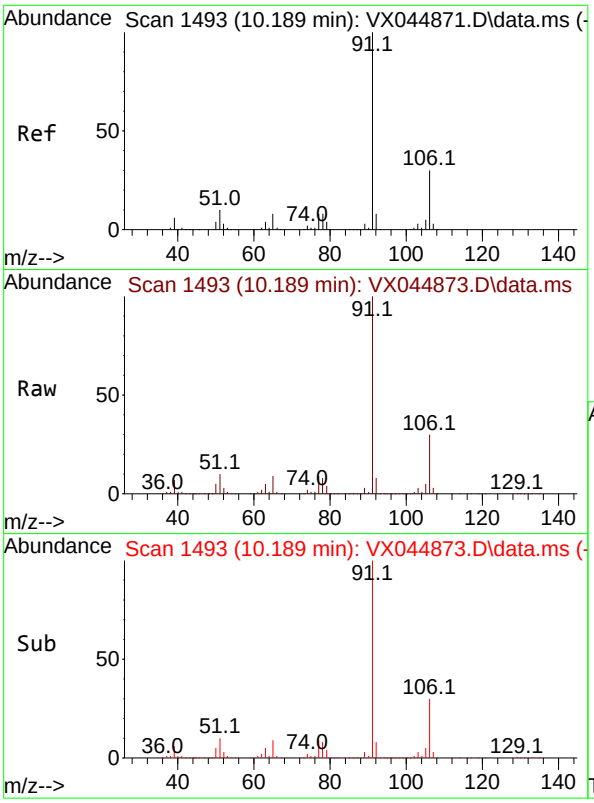


#66
1,1,1,2-Tetrachloroethane
Concen: 156.255 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:131 Resp: 212441

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.1	141.3
119	67.9	33.6	100.6



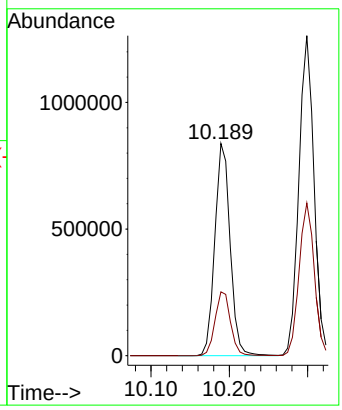


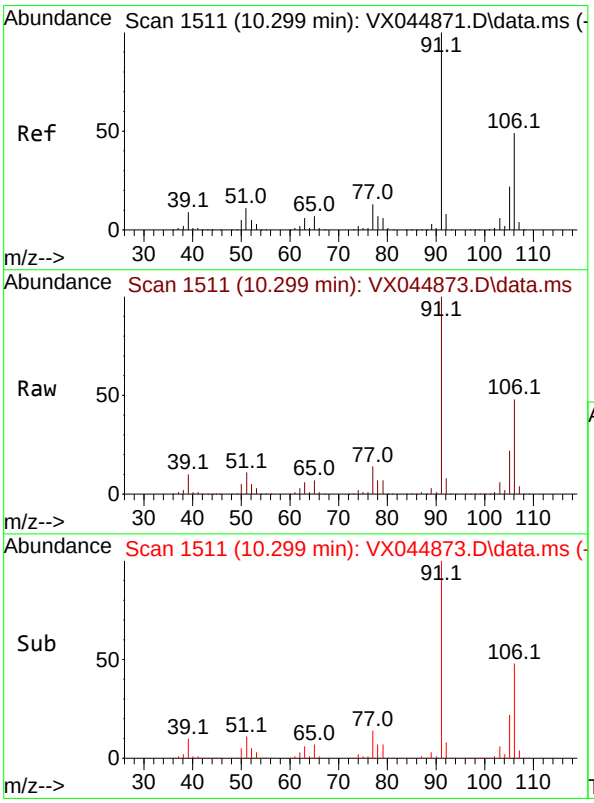
#67
Ethyl Benzene
Concen: 152.647 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1137842

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

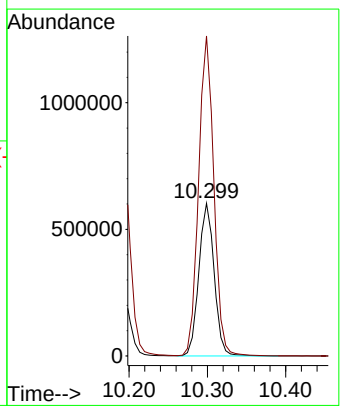


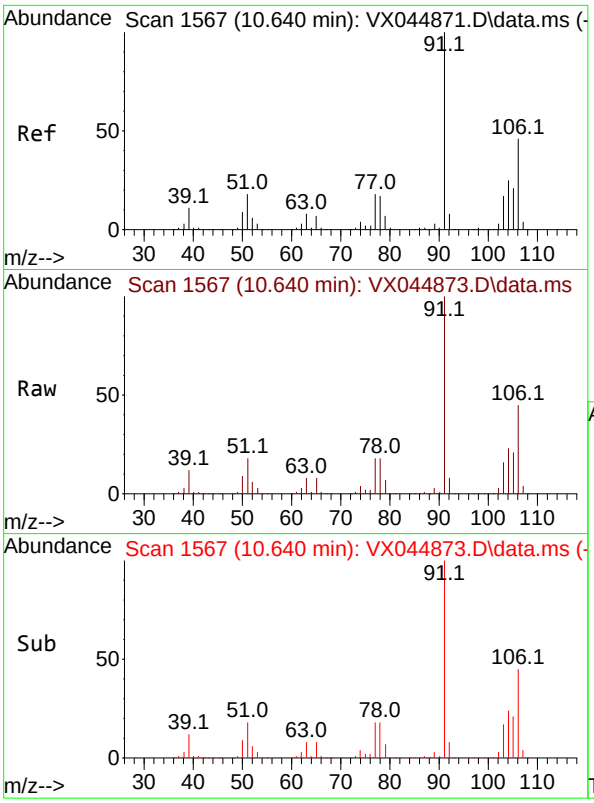


#68
m/p-Xylenes
Concen: 297.841 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:106 Resp: 818971

Ion	Ratio	Lower	Upper
106	100		
91	208.6	164.3	246.5



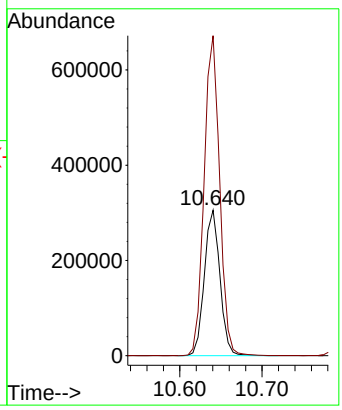


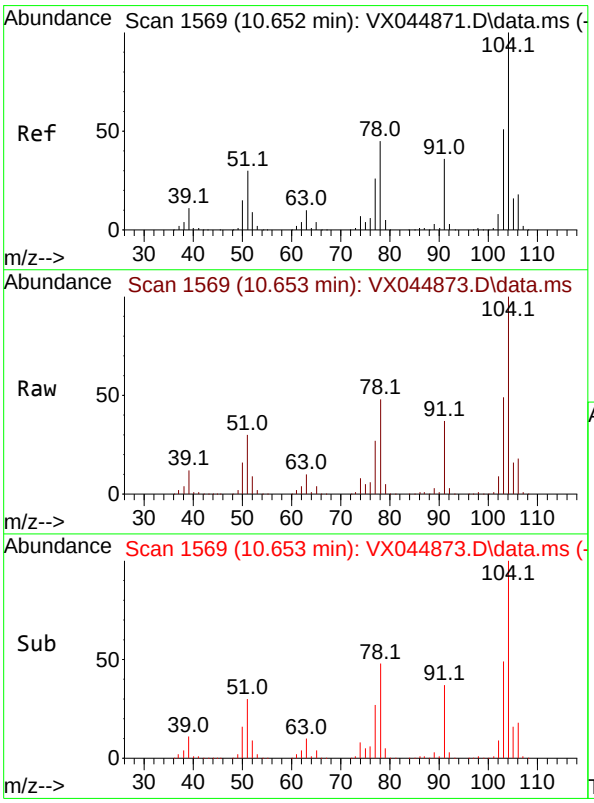
#69
o-Xylene
Concen: 145.674 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 401928

Ion	Ratio	Lower	Upper
106	100		
91	218.9	108.5	325.5

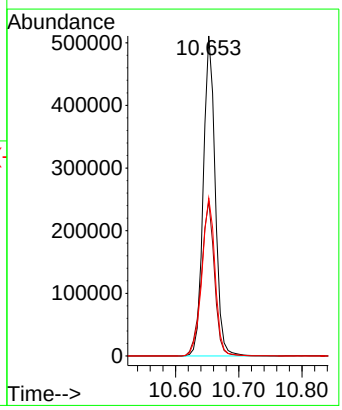


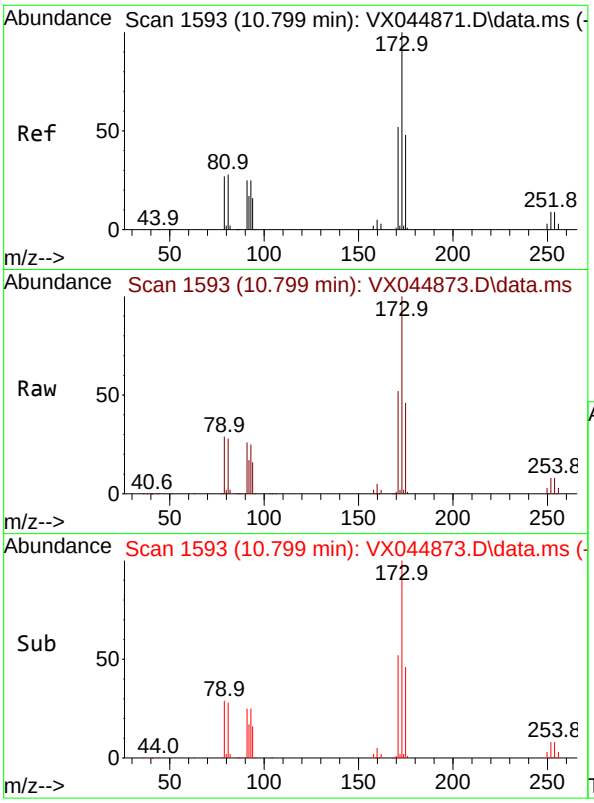


#70
Styrene
Concen: 151.140 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:104 Resp: 671843

Ion	Ratio	Lower	Upper
104	100		
78	53.0	40.5	60.7
103	54.5	43.6	65.4



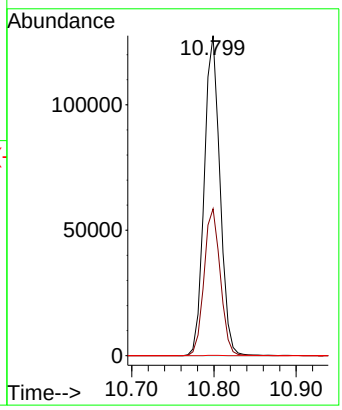


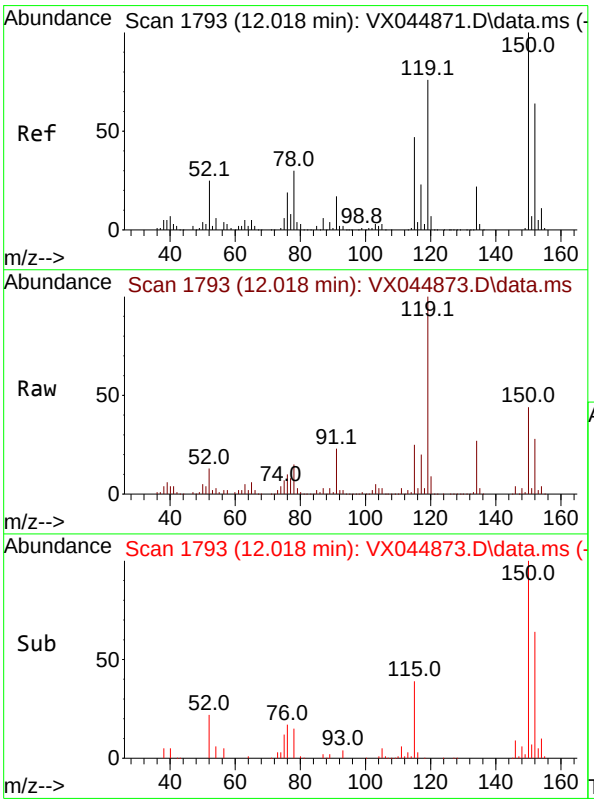
#71
Bromoform
Concen: 167.033 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 169481

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.3	72.8
254	0.1	0.0	0.0#

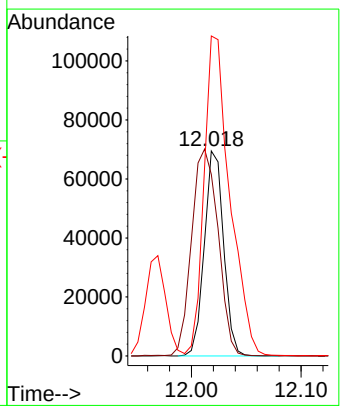


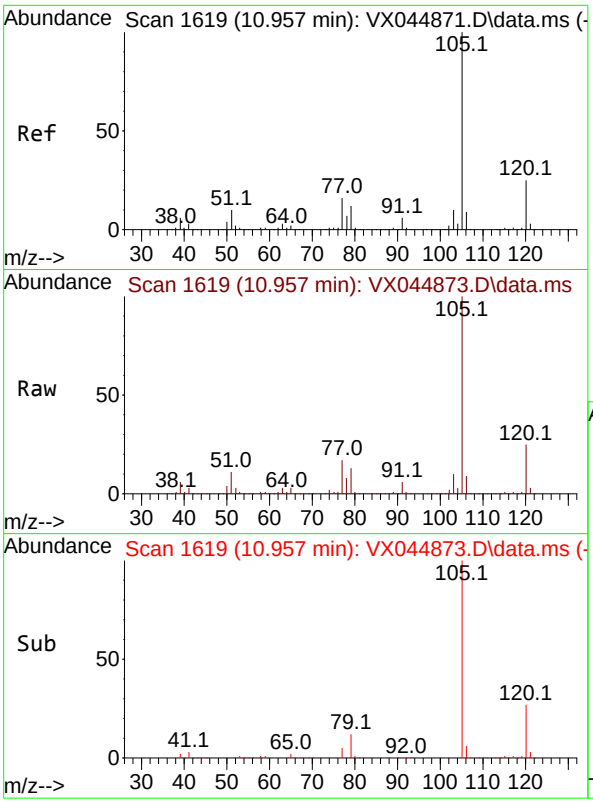


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:152 Resp: 84836

Ion	Ratio	Lower	Upper
152	100		
115	139.2	43.4	130.1#
150	209.6	0.0	350.4



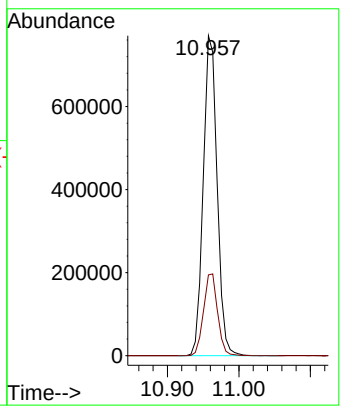


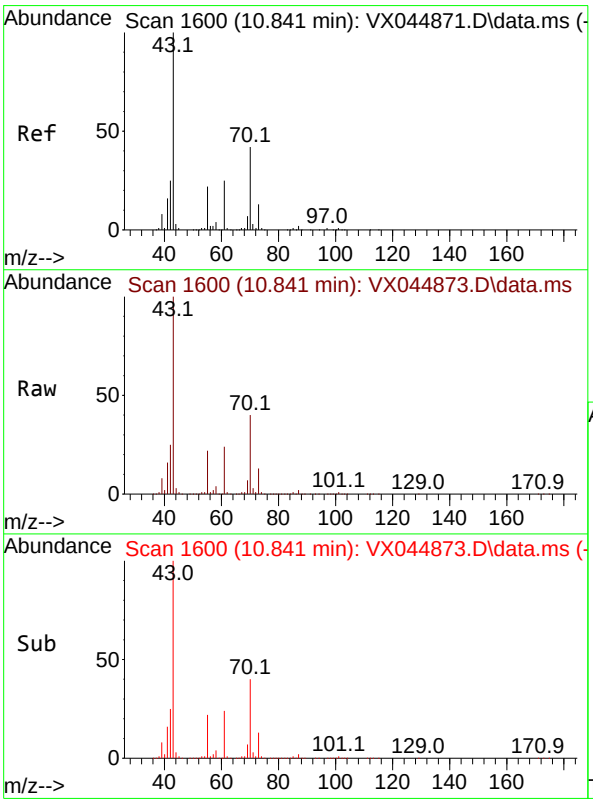
#73
Isopropylbenzene
Concen: 151.869 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1037402

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

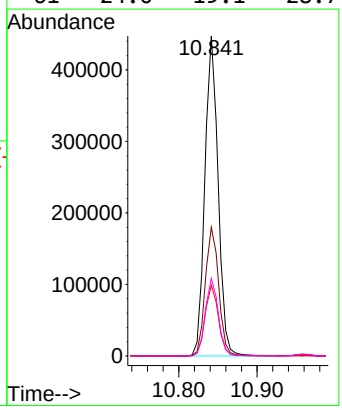


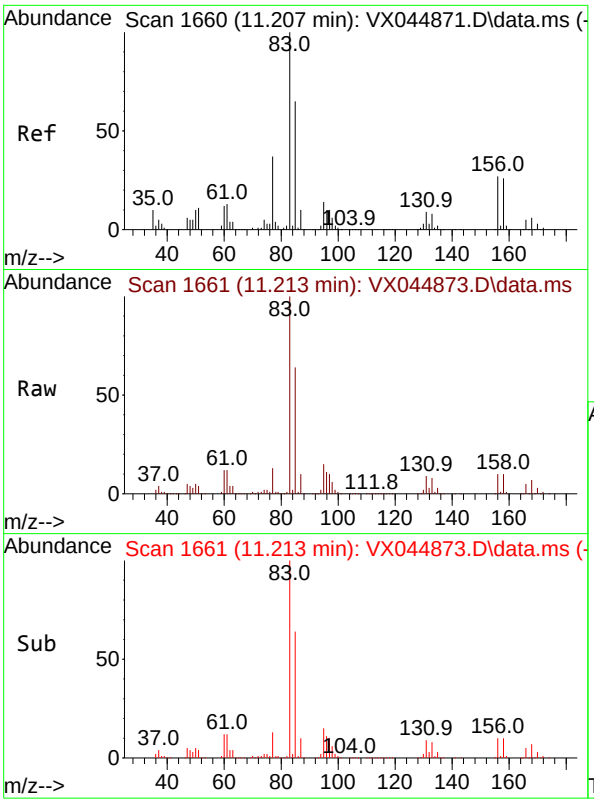


#74
N-amyl acetate
Concen: 168.861 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 521962

Ion	Ratio	Lower	Upper
43	100		
70	41.0	33.7	50.5
55	22.3	18.6	27.8
61	24.0	19.1	28.7



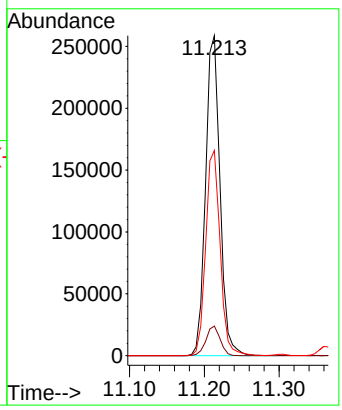


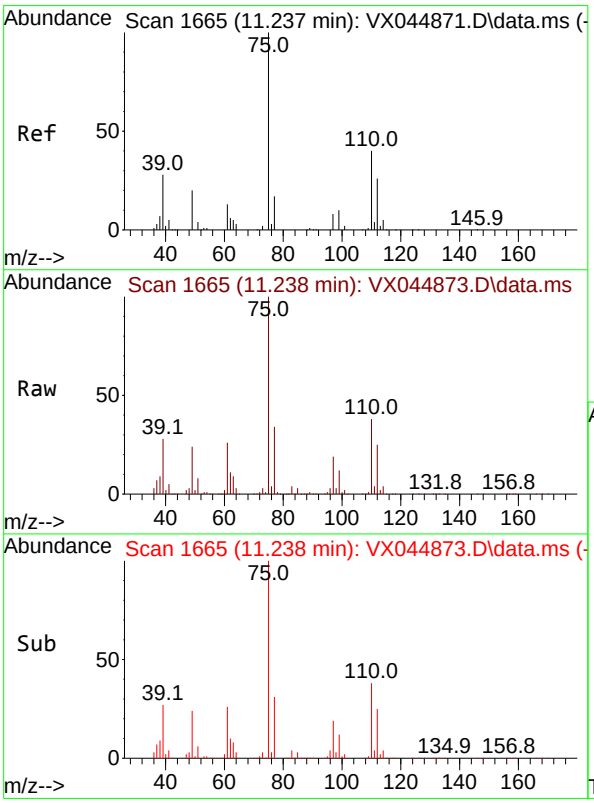
#75
1,1,2,2-Tetrachloroethane
Concen: 147.409 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 346013

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.5
85	64.3	32.3	96.8

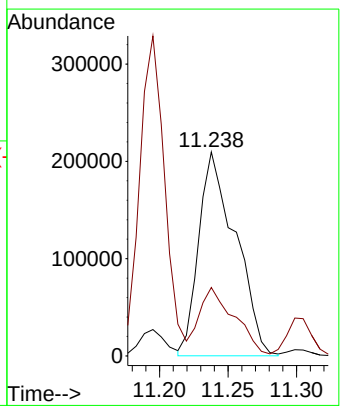


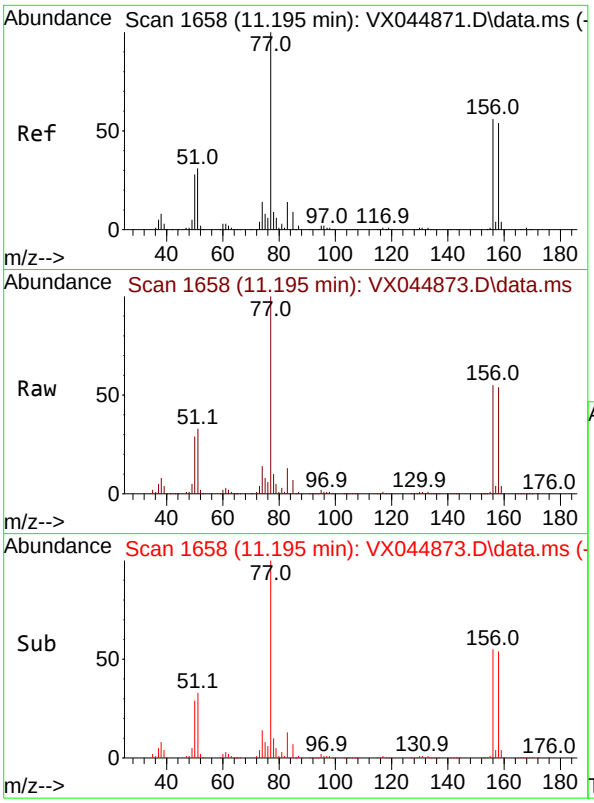


#76
1,2,3-Trichloropropane
Concen: 208.411 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 392008

Ion	Ratio	Lower	Upper
75	100		
77	32.2	21.9	65.7



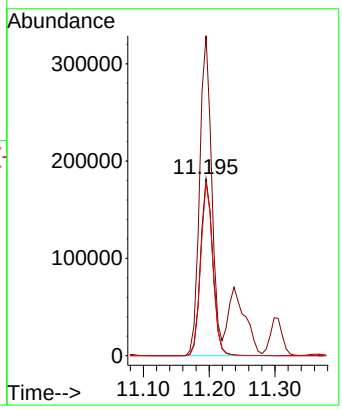


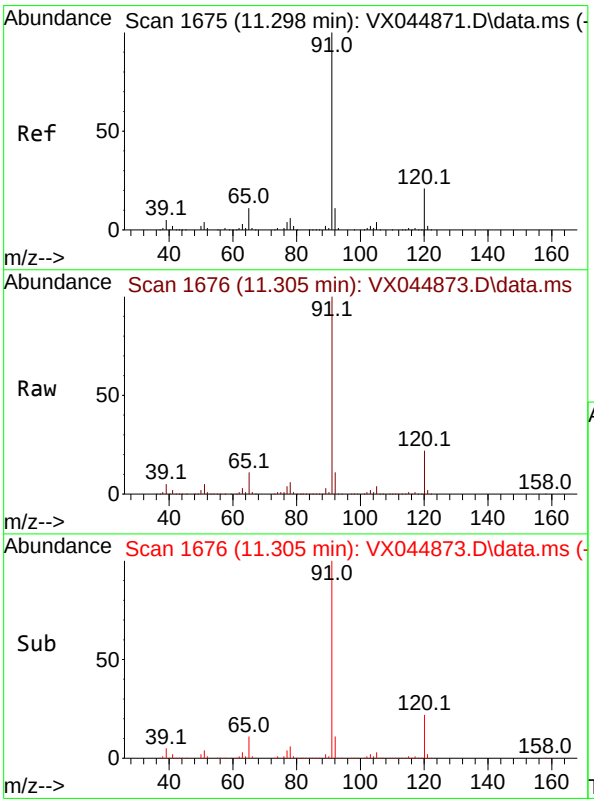
#77
Bromobenzene
Concen: 151.715 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 234957

Ion	Ratio	Lower	Upper
156	100		
77	179.2	88.4	265.3
158	97.1	48.4	145.2

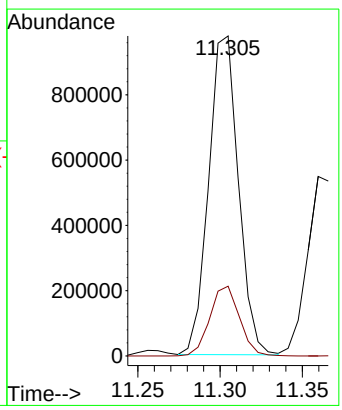


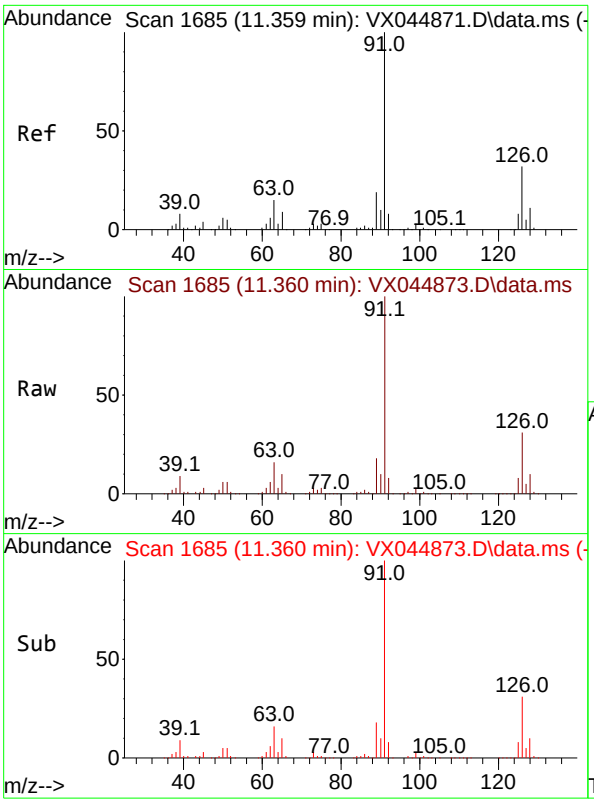


#78
n-propylbenzene
Concen: 156.140 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 1231079

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3



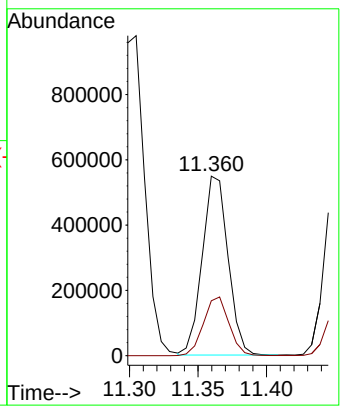


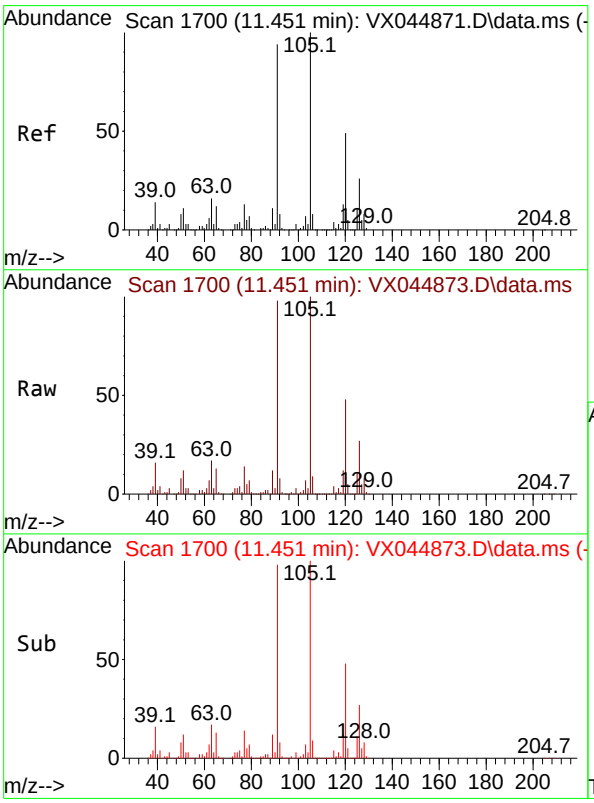
#79
2-Chlorotoluene
Concen: 148.123 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 717766

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.6

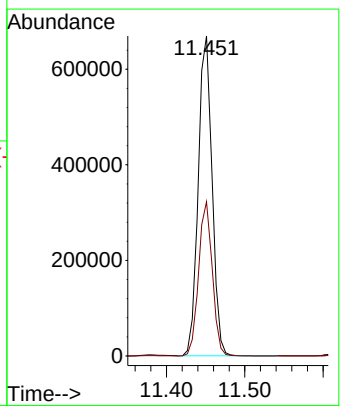


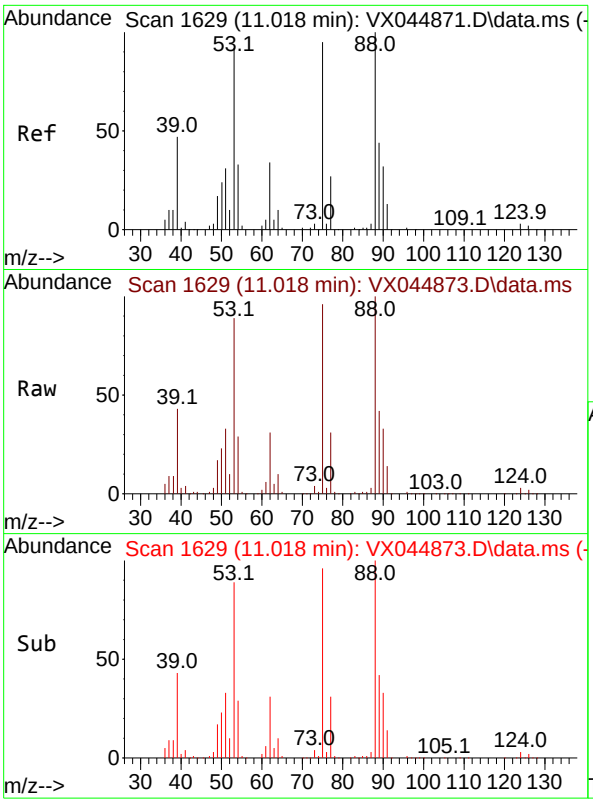


#80
1,3,5-Trimethylbenzene
Concen: 148.415 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 822707

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.0	72.0



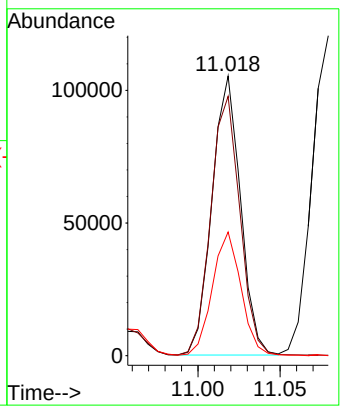


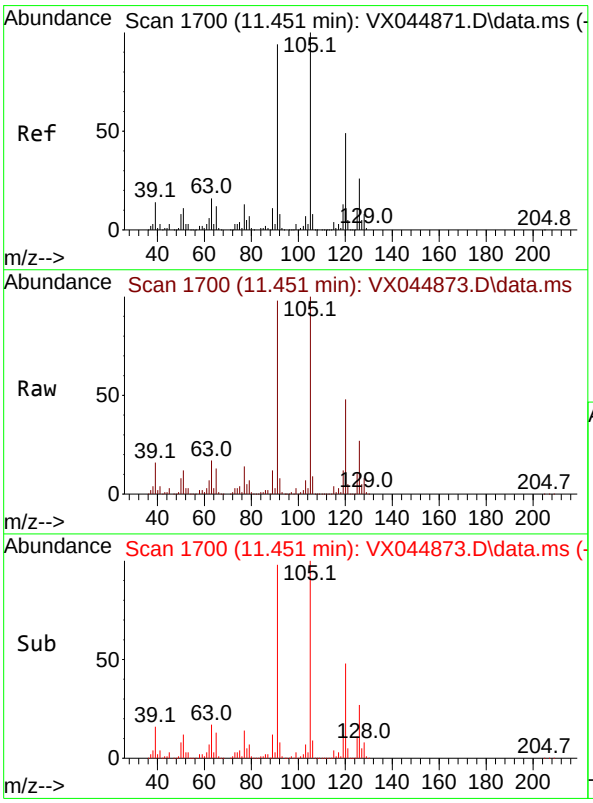
#81
trans-1,4-Dichloro-2-butene
Concen: 173.221 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 126660

Ion	Ratio	Lower	Upper
75	100		
53	95.2	78.0	117.0
89	44.7	36.6	54.8

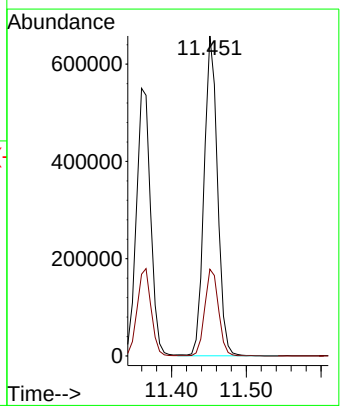


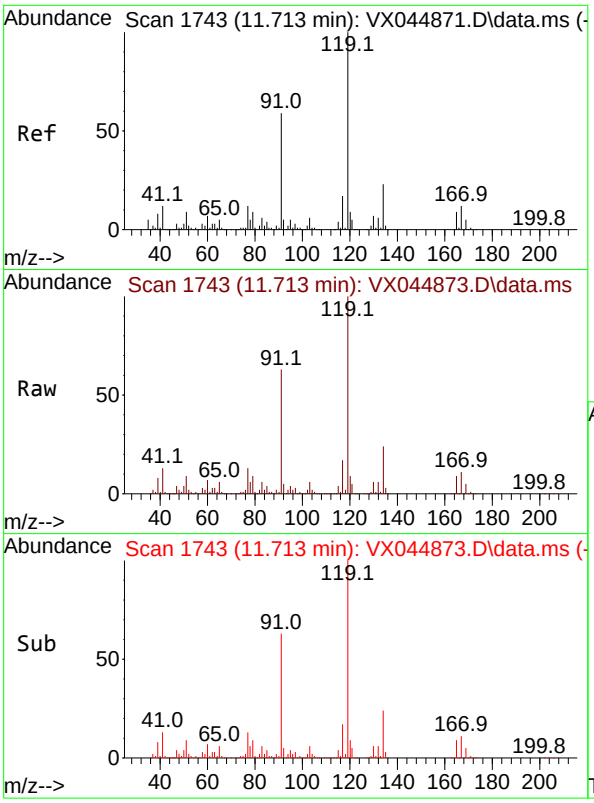


#82
4-Chlorotoluene
Concen: 152.602 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 818099

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.2	42.6



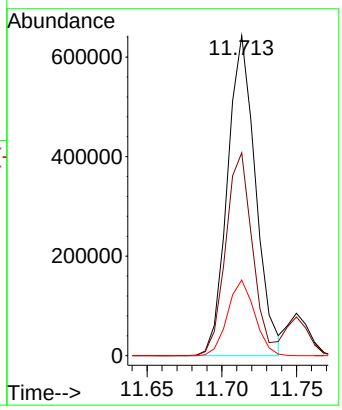


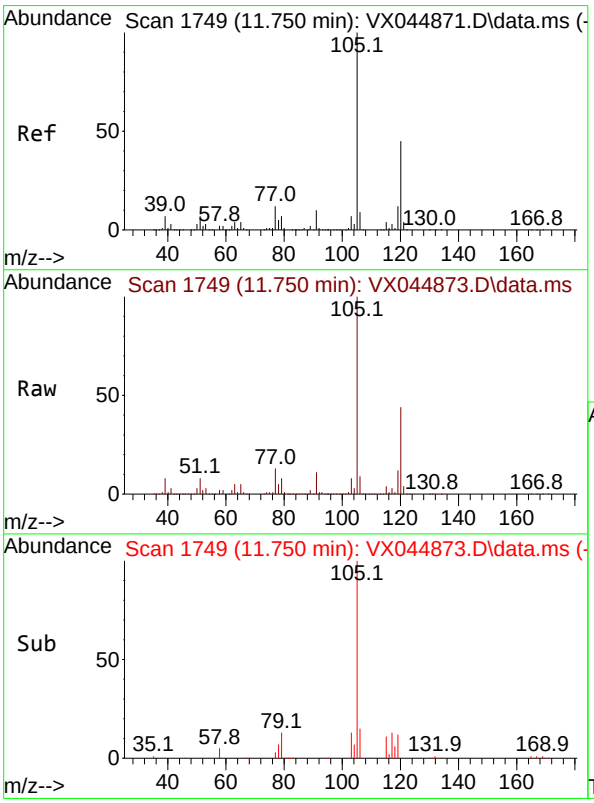
#83
tert-Butylbenzene
Concen: 149.610 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 838979

Ion	Ratio	Lower	Upper
119	100		
91	61.1	29.1	87.4
134	22.9	11.5	34.5

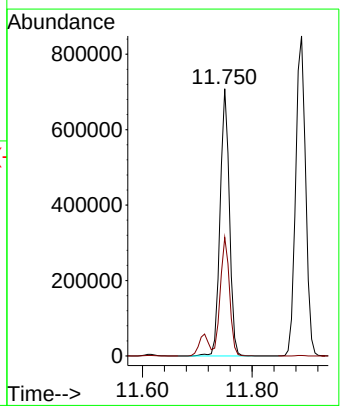


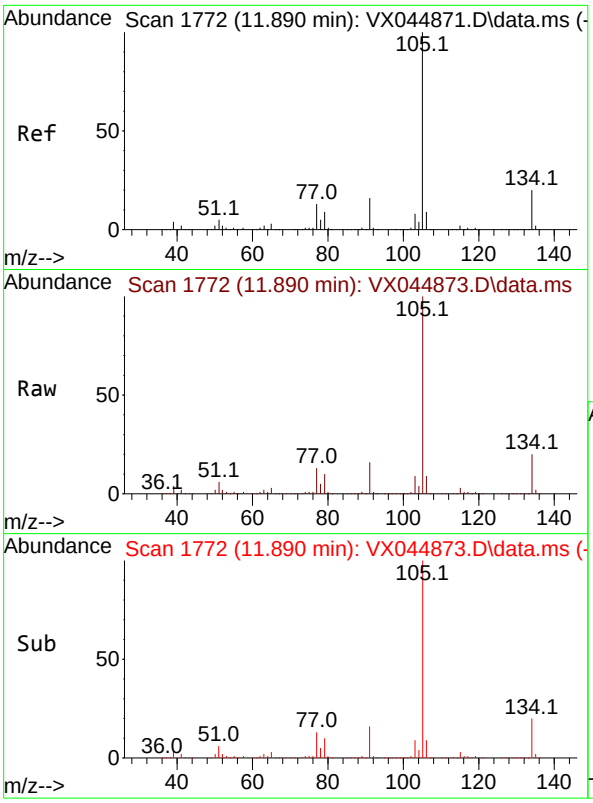


#84
1,2,4-Trimethylbenzene
Concen: 153.274 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 838584

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.4	67.0



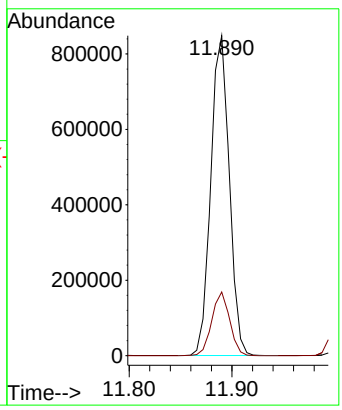


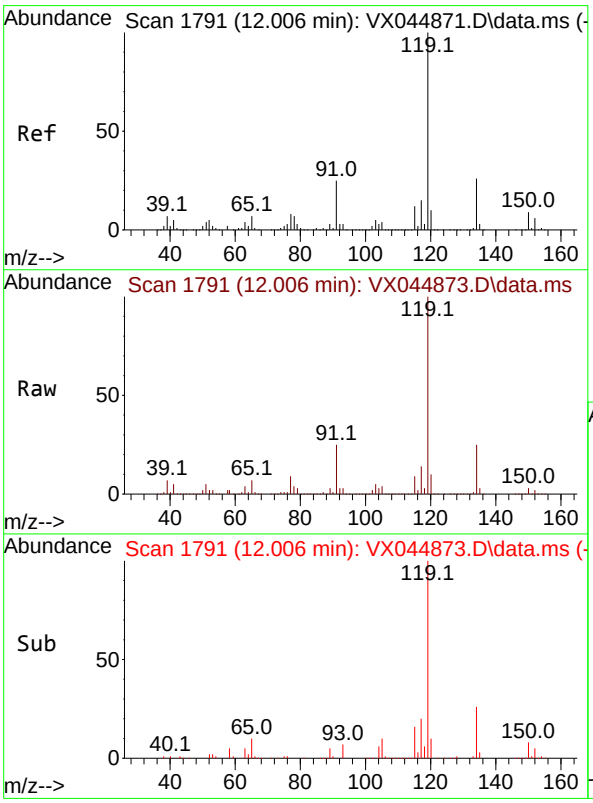
#85
sec-Butylbenzene
Concen: 152.806 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1061101

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.3

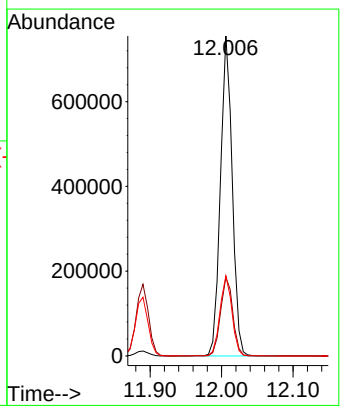


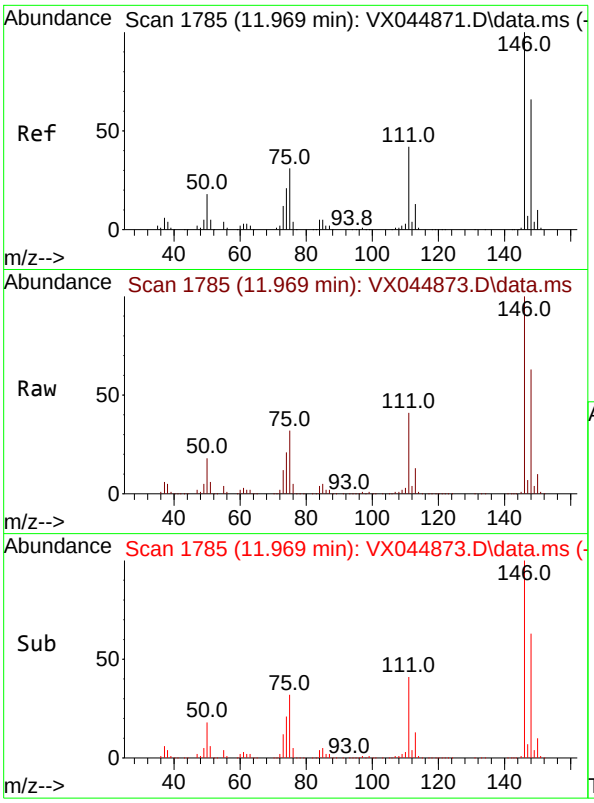


#86
p-Isopropyltoluene
Concen: 154.987 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:119 Resp: 865491

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.3	12.1	36.3



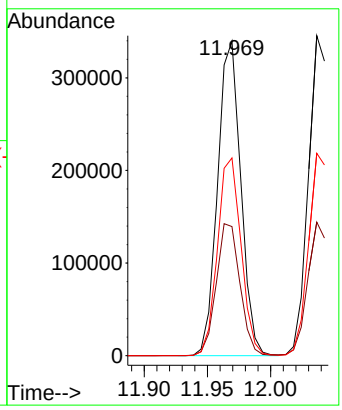


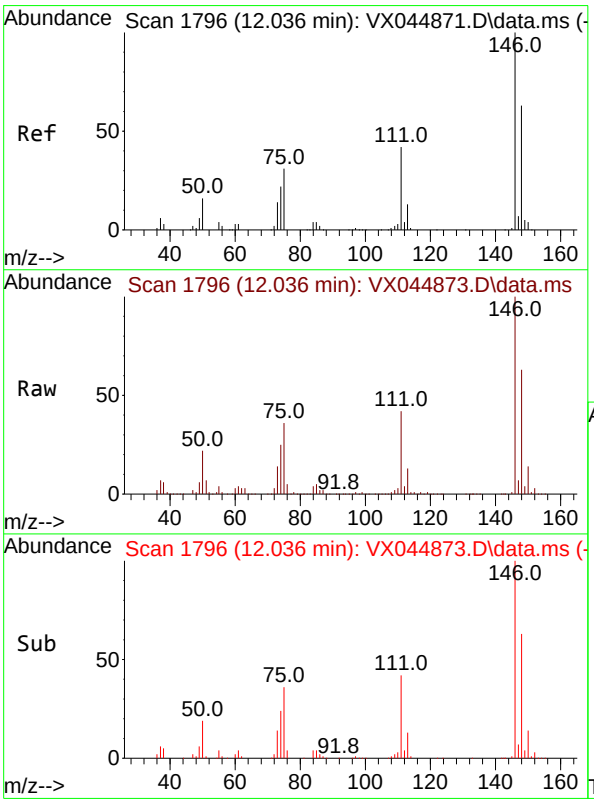
#87
1,3-Dichlorobenzene
Concen: 152.175 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 433384

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	63.9	32.5	97.5

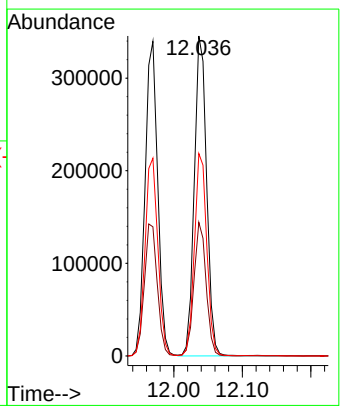


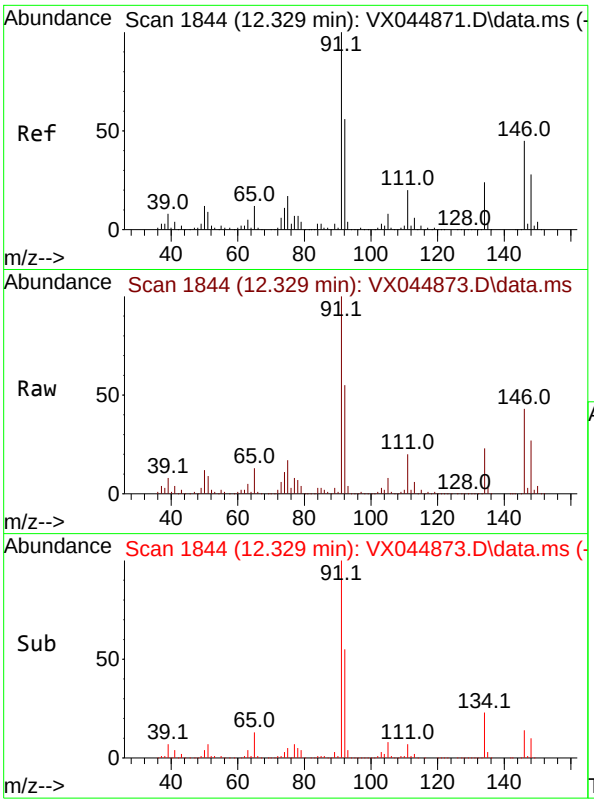


#88
1,4-Dichlorobenzene
Concen: 150.362 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:146 Resp: 432987

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.7	32.0	96.0



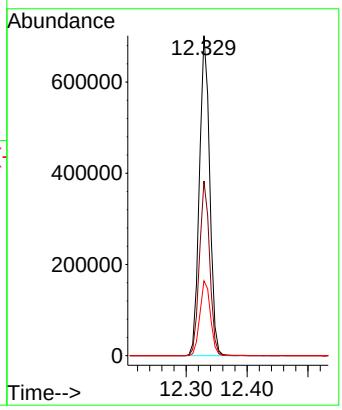


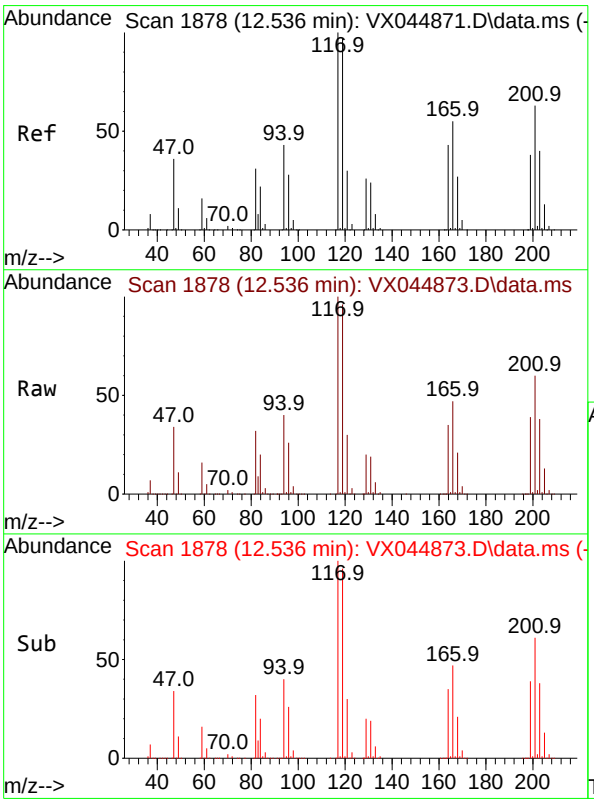
#89
n-Butylbenzene
Concen: 167.469 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 827359

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	24.0	12.1	36.3

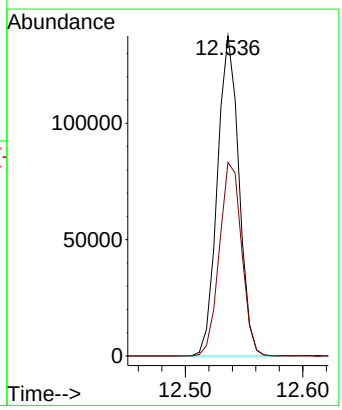


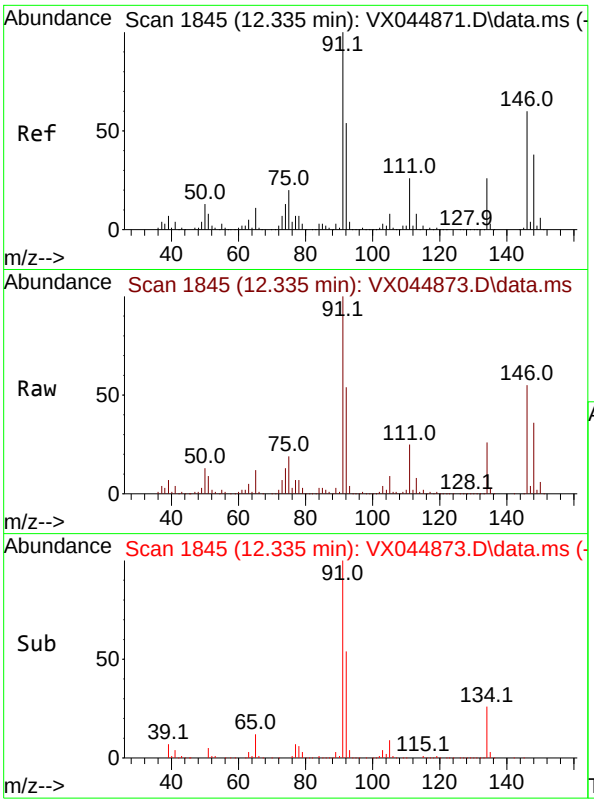


#90
Hexachloroethane
Concen: 167.760 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:117 Resp: 175414

Ion	Ratio	Lower	Upper
117	100		
201	62.4	32.5	97.5



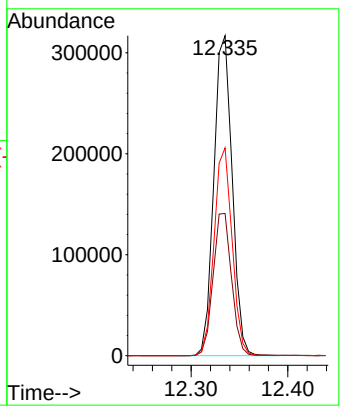


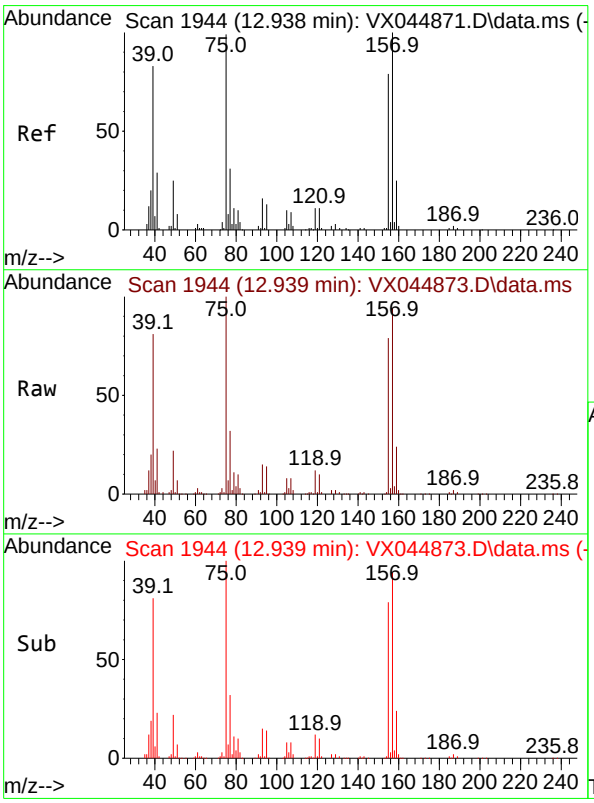
#91
1,2-Dichlorobenzene
Concen: 149.042 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 417167

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.8	65.4
148	64.1	31.9	95.9

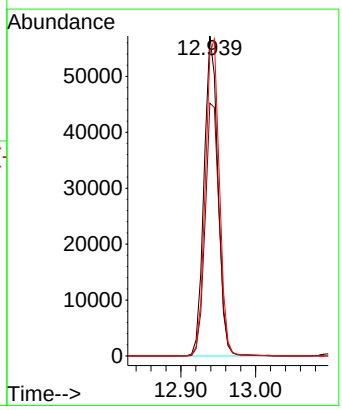


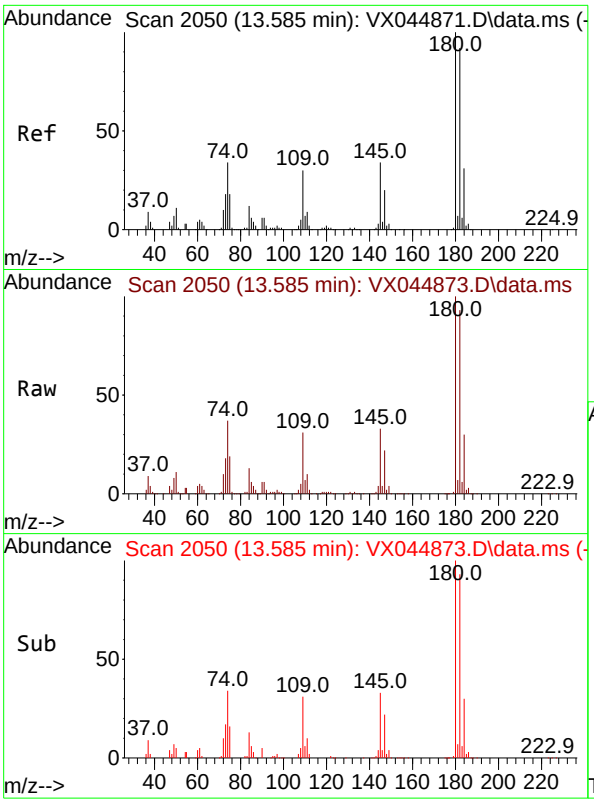


#92
1,2-Dibromo-3-Chloropropane
Concen: 171.783 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 73593

Ion	Ratio	Lower	Upper
75	100		
155	80.1	40.5	121.4
157	100.5	51.4	154.3



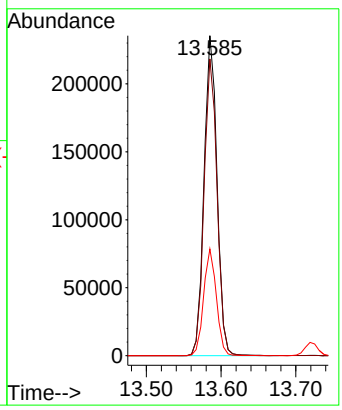


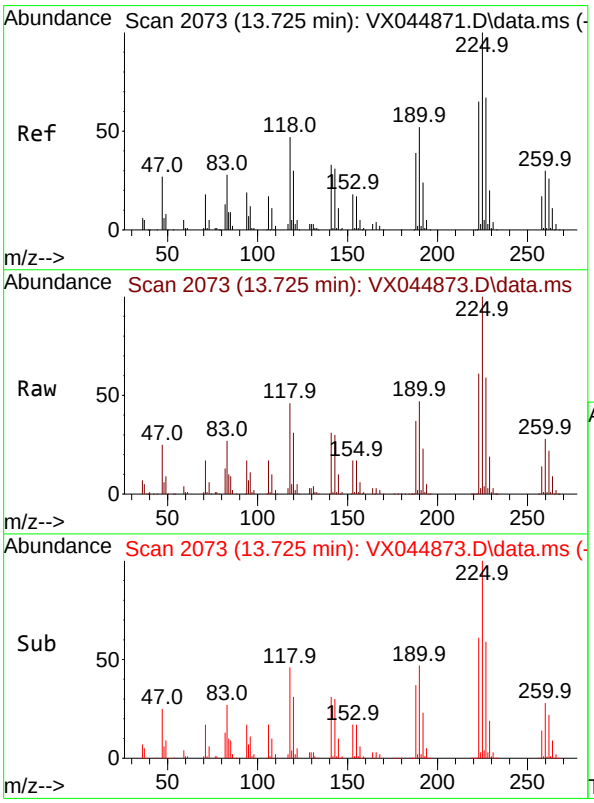
#93
1,2,4-Trichlorobenzene
Concen: 167.095 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 283004

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.6	142.8
145	32.8	16.4	49.1

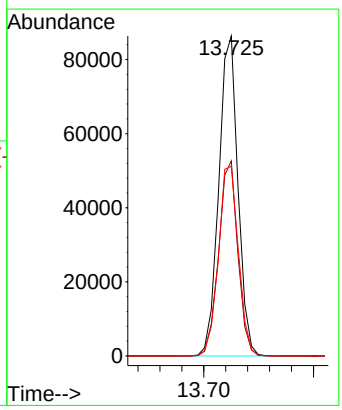


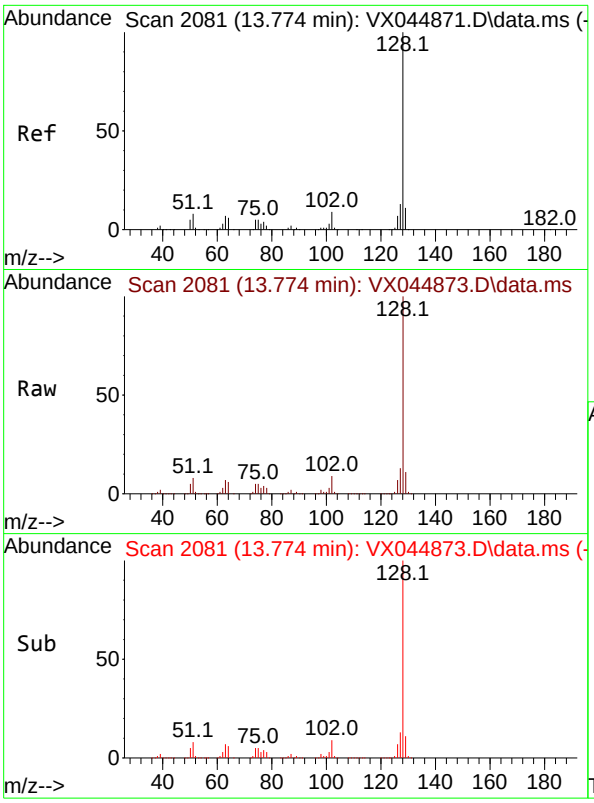


#94
Hexachlorobutadiene
Concen: 155.682 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:225 Resp: 104674

Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.4	94.2
227	61.9	32.3	96.8



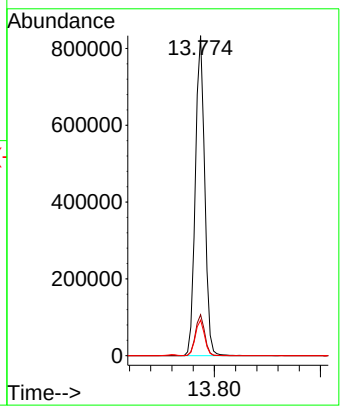


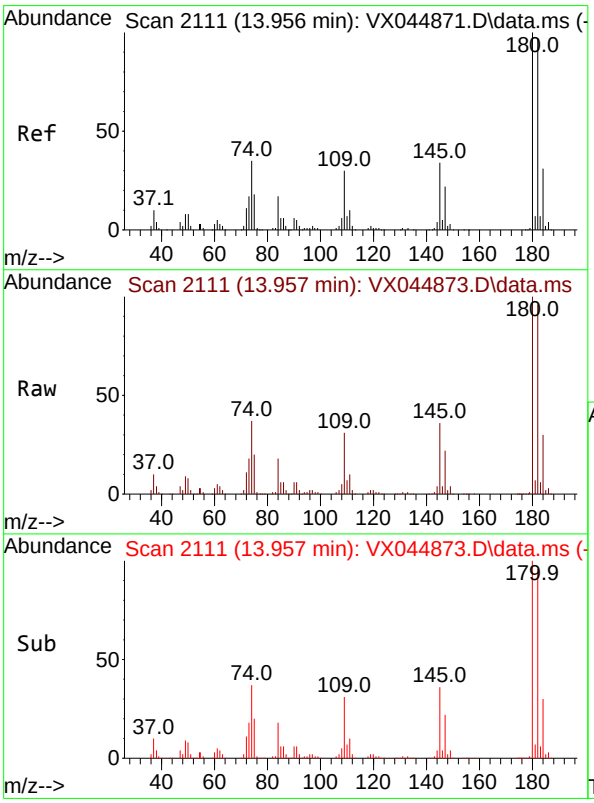
#95
Naphthalene
Concen: 165.916 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1015801

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.0	8.9	13.3

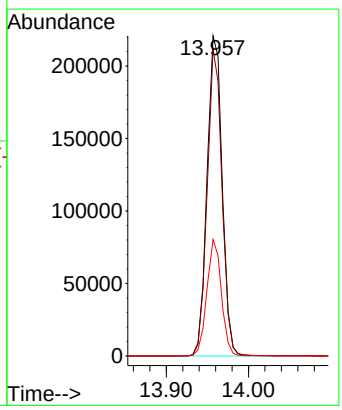




#96
1,2,3-Trichlorobenzene
Concen: 165.408 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:180 Resp: 282289

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.6
145	34.9	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	135936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95635	48.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.120%			
35) Dibromofluoromethane	5.379	113	78360	49.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.647	98	299178	49.649	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.300%			
62) 4-Bromofluorobenzene	11.079	95	105201	51.786	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	93752	49.173	ug/l	99
3) Chloromethane	1.300	50	110431	47.590	ug/l	98
4) Vinyl Chloride	1.374	62	105730	47.033	ug/l	100
5) Bromomethane	1.593	94	31428	46.719	ug/l	97
6) Chloroethane	1.660	64	37913	42.198	ug/l	99
7) Trichlorofluoromethane	1.867	101	138044	48.558	ug/l	97
8) Diethyl Ether	2.130	74	49018	47.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	86892	50.588	ug/l	98
10) Methyl Iodide	2.447	142	111488	50.082	ug/l	100
11) Tert butyl alcohol	2.983	59	92949	251.791	ug/l	100
12) 1,1-Dichloroethene	2.306	96	83987	47.935	ug/l	95
13) Acrolein	2.233	56	91744	240.879	ug/l	98
14) Allyl chloride	2.654	41	155084	48.976	ug/l	99
15) Acrylonitrile	3.062	53	247921	251.537	ug/l	99
16) Acetone	2.379	43	205743	257.198	ug/l	98
17) Carbon Disulfide	2.501	76	237694	49.472	ug/l	100
18) Methyl Acetate	2.703	43	126015	49.920	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	275685	49.453	ug/l	99
20) Methylene Chloride	2.782	84	94006	47.978	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	84720	49.129	ug/l	98
22) Diisopropyl ether	3.757	45	300357	50.138	ug/l	98
23) Vinyl Acetate	3.715	43	1257431	257.465	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165351	49.329	ug/l	99
25) 2-Butanone	4.556	43	335358	258.175	ug/l	97
26) 2,2-Dichloropropane	4.464	77	133670	50.285	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	102518	49.493	ug/l	99
28) Bromochloromethane	4.891	49	72893	45.250	ug/l	99
29) Tetrahydrofuran	5.001	42	218496	253.318	ug/l	100
30) Chloroform	5.086	83	157312	48.393	ug/l	98
31) Cyclohexane	5.458	56	152073	49.211	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	134626	48.825	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111968	48.702	ug/l	99
37) Ethyl Acetate	4.708	43	126071	49.300	ug/l	99
38) Carbon Tetrachloride	5.672	117	110581	49.083	ug/l	97
39) Methylcyclohexane	7.372	83	158289	53.254	ug/l	98
40) Benzene	6.031	78	358365	49.919	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	73559	53.741	ug/l		99
42) 1,2-Dichloroethane	6.080	62	115339	50.410	ug/l		100
43) Isopropyl Acetate	6.336	43	213901	51.798	ug/l		100
44) Trichloroethene	7.116	130	81911	49.917	ug/l		99
45) 1,2-Dichloropropane	7.427	63	89992	50.387	ug/l		98
46) Dibromomethane	7.580	93	61360	49.540	ug/l		99
47) Bromodichloromethane	7.818	83	122265	50.980	ug/l		99
48) Methyl methacrylate	7.690	41	102900	52.848	ug/l		99
49) 1,4-Dioxane	7.659	88	42658	1021.138	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	665564	265.112	ug/l		100
52) Toluene	8.714	92	216682	50.680	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	130405	53.731	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	143379	52.986	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	83510	50.811	ug/l		100
56) Ethyl methacrylate	9.116	69	143524	54.068	ug/l		99
57) 1,3-Dichloropropane	9.305	76	146236	50.852	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	370622	284.352	ug/l		99
59) 2-Hexanone	9.427	43	488298	269.951	ug/l		99
60) Dibromochloromethane	9.518	129	90826	51.673	ug/l		99
61) 1,2-Dibromoethane	9.604	107	85683	51.436	ug/l		100
64) Tetrachloroethene	9.268	164	66468	49.424	ug/l		98
65) Chlorobenzene	10.079	112	233373	50.952	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	75488	51.205	ug/l		98
67) Ethyl Benzene	10.189	91	415575	51.415	ug/l		99
68) m/p-Xylenes	10.299	106	310925	104.282	ug/l		100
69) o-Xylene	10.640	106	151995	50.804	ug/l		100
70) Styrene	10.652	104	257972	53.521	ug/l		100
71) Bromoform	10.799	173	59409	53.997	ug/l	#	100
73) Isopropylbenzene	10.957	105	390246	49.921	ug/l		100
74) N-amyl acetate	10.841	43	186145	52.621	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	129829	48.331	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	143167	66.510	ug/l		83
77) Bromobenzene	11.195	156	88129	49.725	ug/l		100
78) n-propylbenzene	11.299	91	463655	51.386	ug/l		99
79) 2-Chlorotoluene	11.360	91	272091	49.065	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	323251	50.956	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	44070	52.665	ug/l		99
82) 4-Chlorotoluene	11.451	91	312112	50.872	ug/l		100
83) tert-Butylbenzene	11.713	119	321772	50.139	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	323035	51.593	ug/l		100
85) sec-Butylbenzene	11.890	105	410197	51.617	ug/l		100
86) p-Isopropyltoluene	12.006	119	336027	52.581	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	164508	50.475	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	163203	49.526	ug/l		100
89) n-Butylbenzene	12.329	91	311764	55.142	ug/l		100
90) Hexachloroethane	12.536	117	61016	50.990	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	161590	50.447	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25339	51.684	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	102197	52.726	ug/l		99
94) Hexachlorobutadiene	13.719	225	38998	50.683	ug/l		98
95) Naphthalene	13.774	128	371576	53.033	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	100730	51.575	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

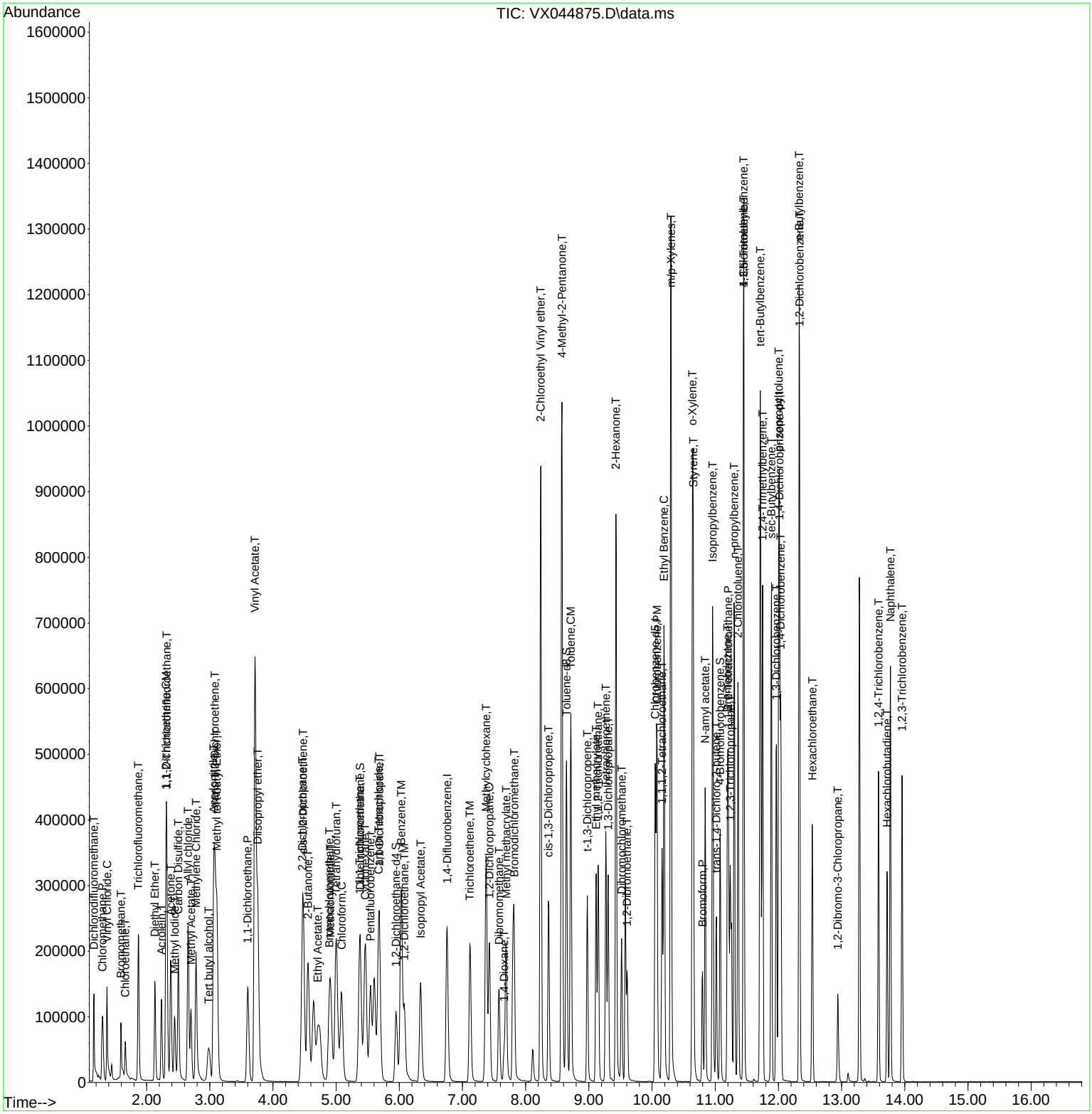
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

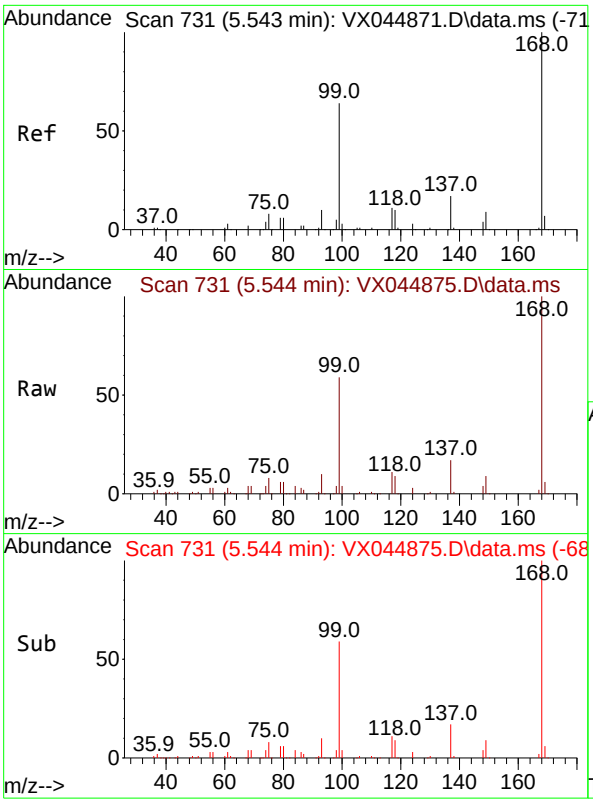
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



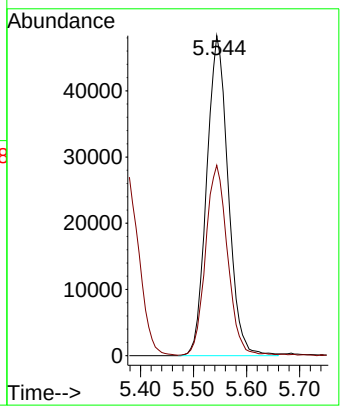


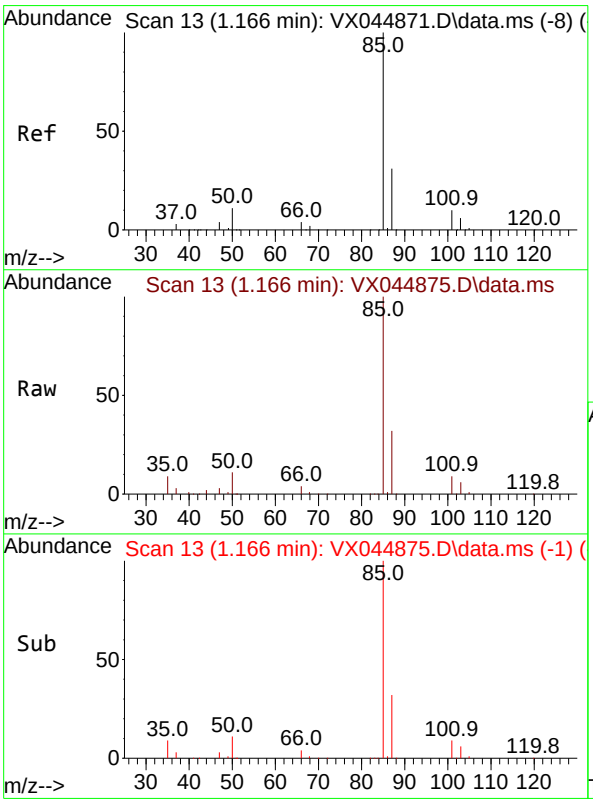
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:168 Resp: 135936

Ion	Ratio	Lower	Upper
168	100		
99	59.3	51.2	76.8

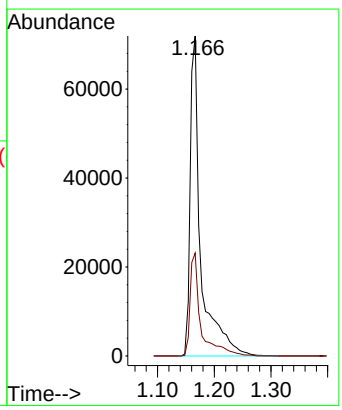


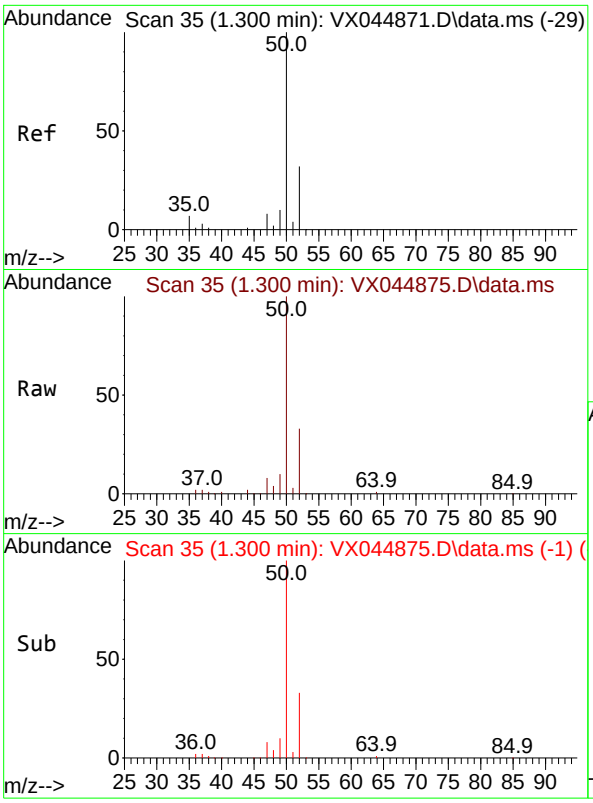


#2
Dichlorodifluoromethane
Concen: 49.173 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 85 Resp: 93752

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3



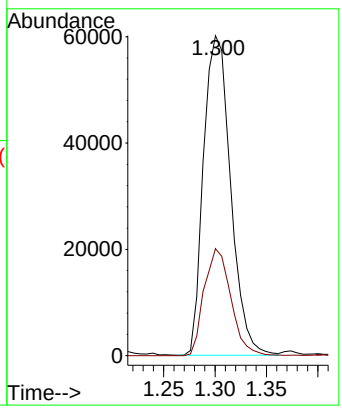


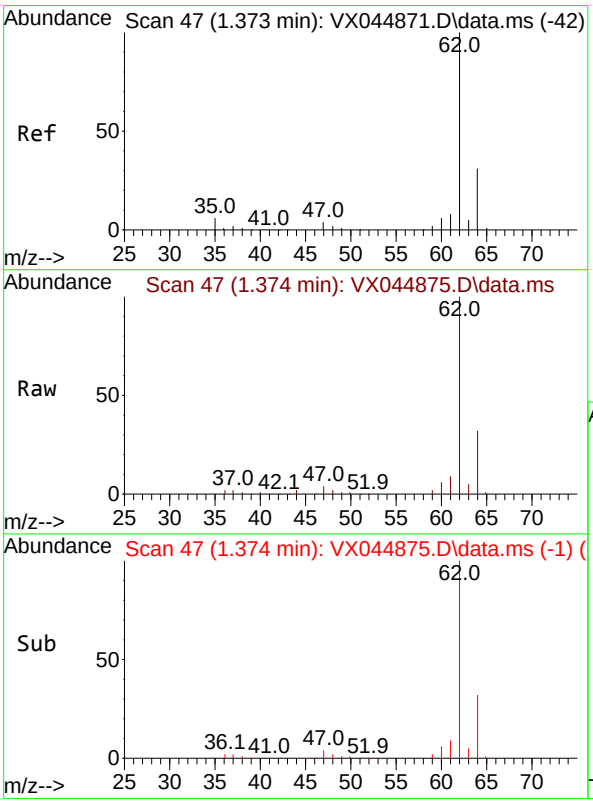
#3
Chloromethane
Concen: 47.590 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 50 Resp: 110431

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.9	38.9

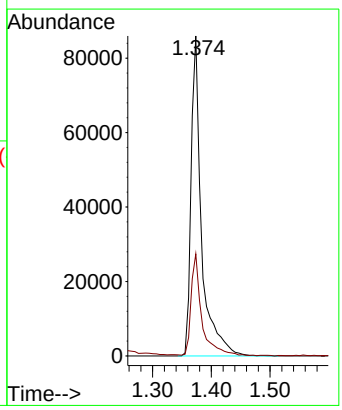


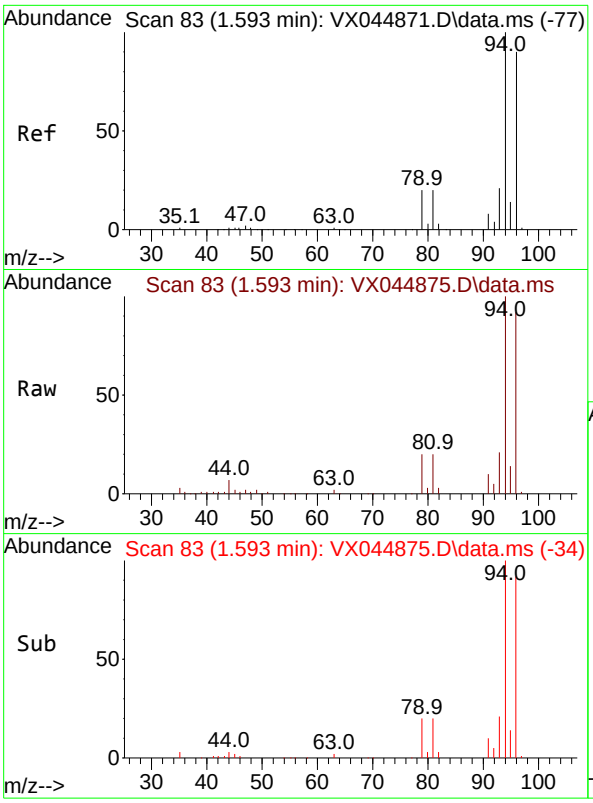


#4
Vinyl Chloride
Concen: 47.033 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 105730

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0



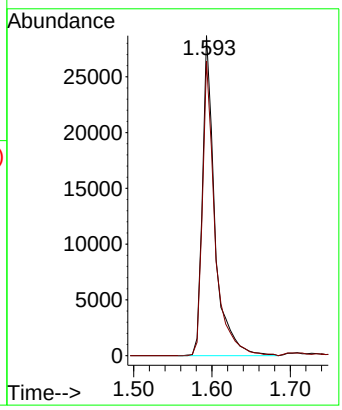


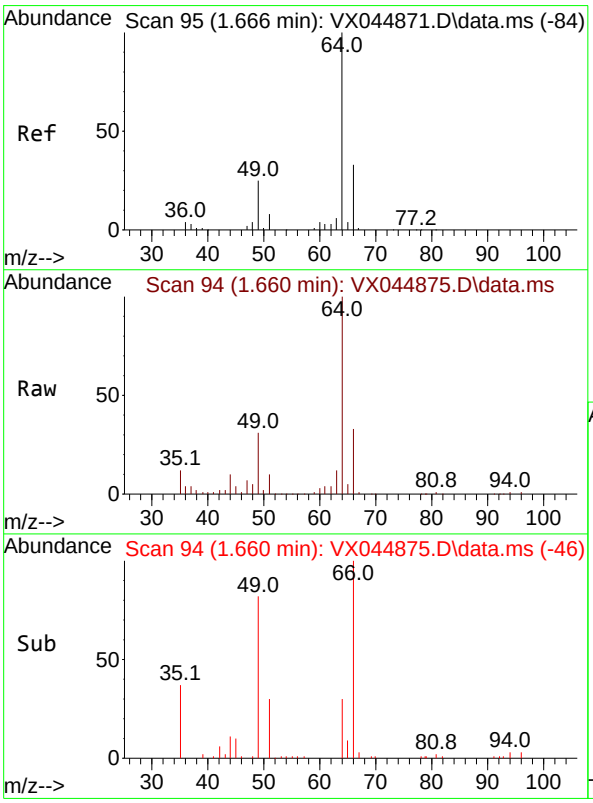
#5
Bromomethane
Concen: 46.719 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 94 Resp: 31428

Ion	Ratio	Lower	Upper
94	100		
96	92.0	71.6	107.4

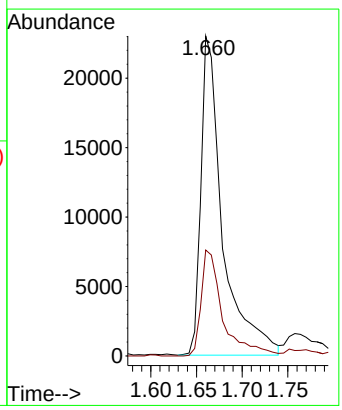


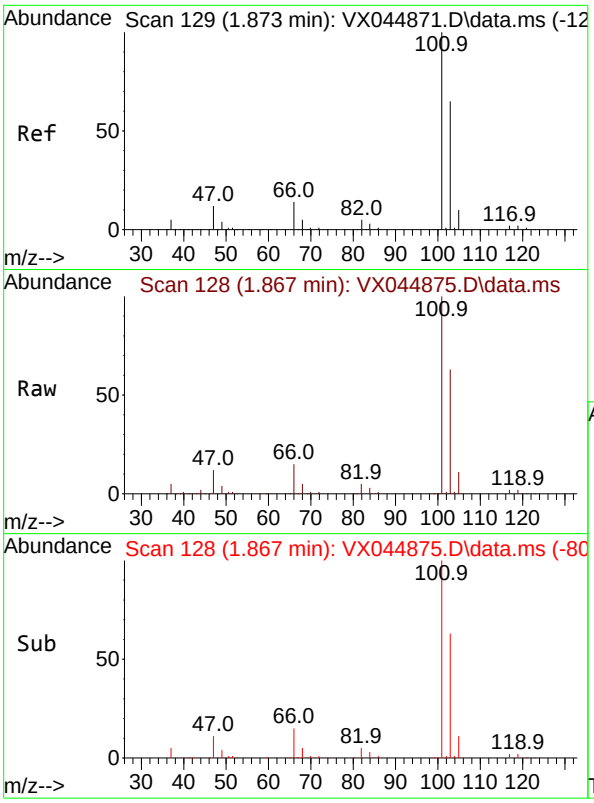


#6
Chloroethane
Concen: 42.198 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 64 Resp: 37913

Ion	Ratio	Lower	Upper
64	100		
66	33.2	25.9	38.9



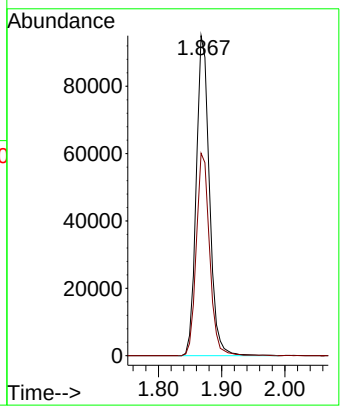


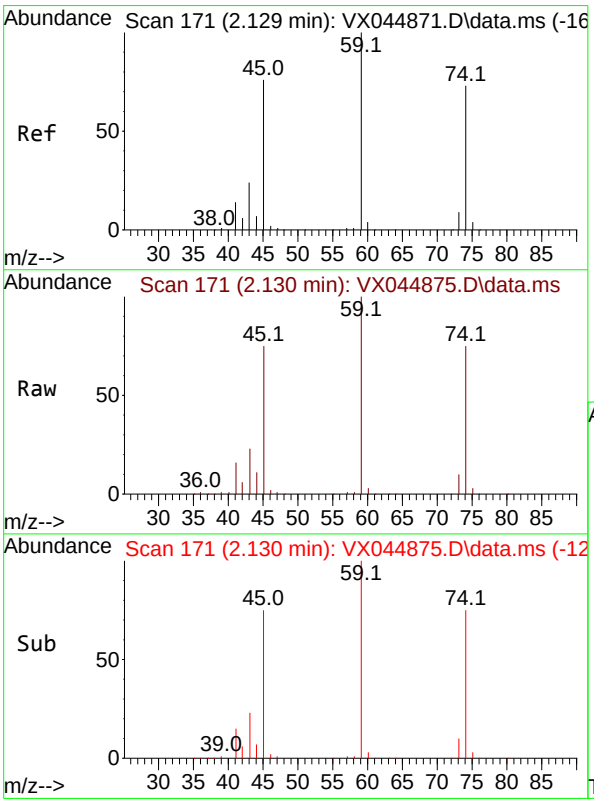
#7
Trichlorofluoromethane
Concen: 48.558 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:101 Resp: 138044

Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.4	78.6

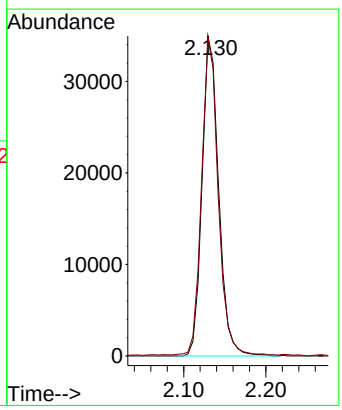


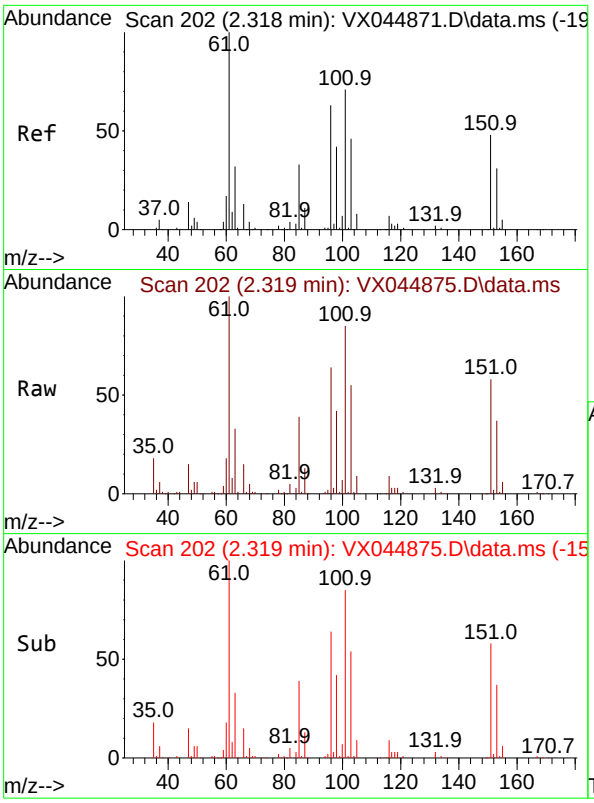


#8
Diethyl Ether
Concen: 47.544 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 74 Resp: 49018

Ion	Ratio	Lower	Upper
74	100		
45	98.9	51.1	153.4



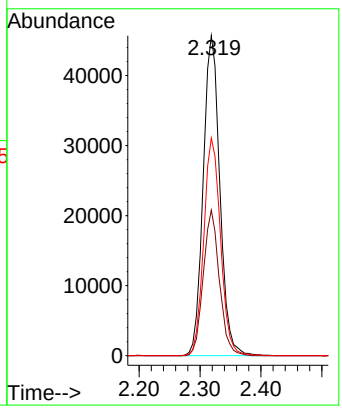


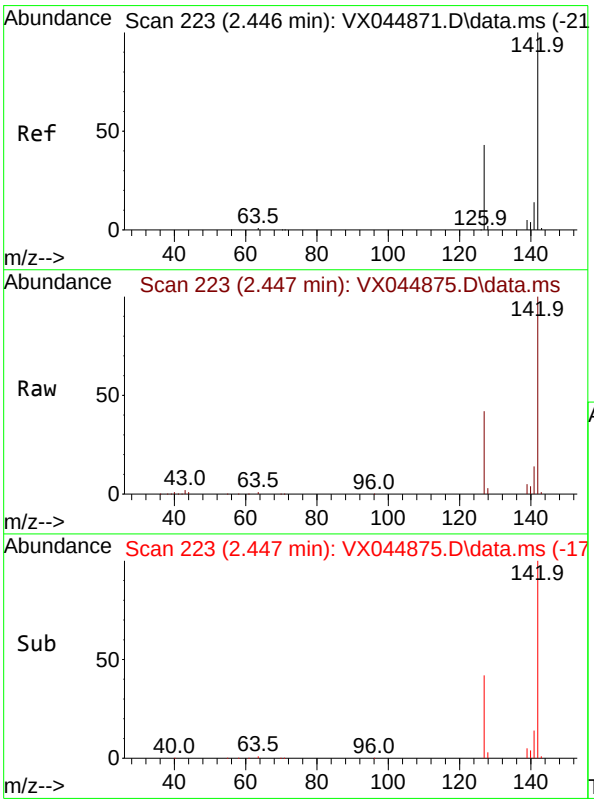
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.588 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:101 Resp: 86892

Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.7	53.5
151	68.4	56.0	84.0

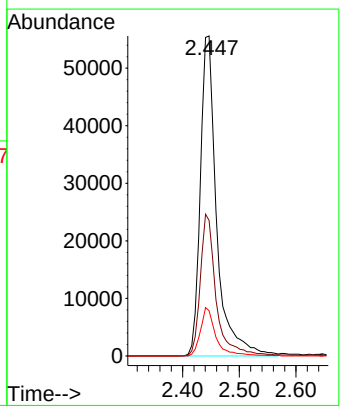


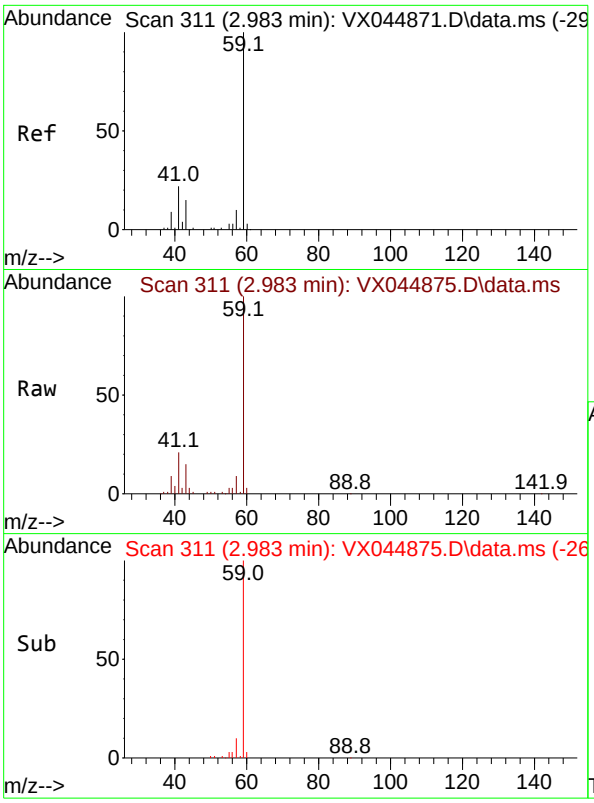


#10
Methyl Iodide
Concen: 50.082 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:142 Resp: 111488

Ion	Ratio	Lower	Upper
142	100		
127	43.1	34.3	51.5
141	14.3	11.4	17.2



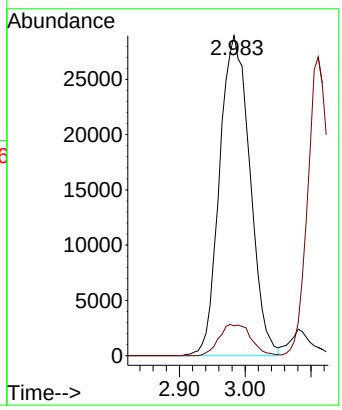


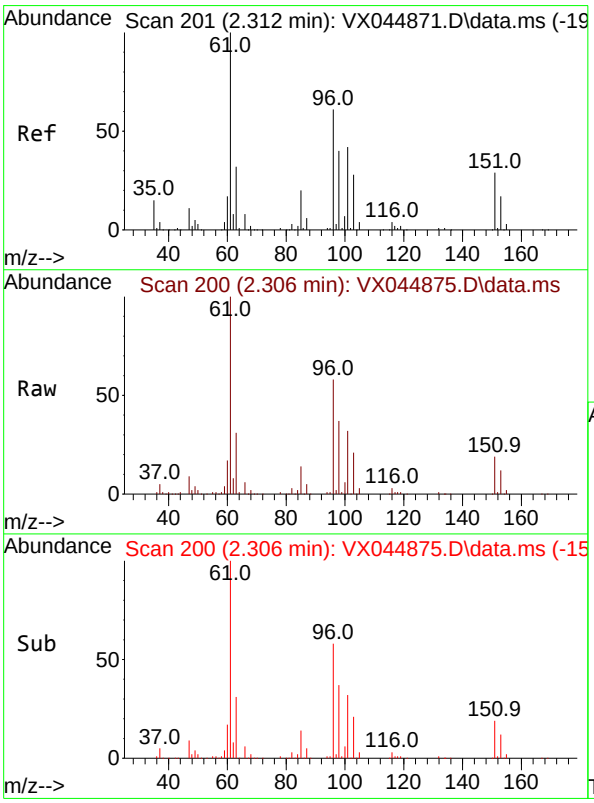
#11
Tert butyl alcohol
Concen: 251.791 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 59 Resp: 92949

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

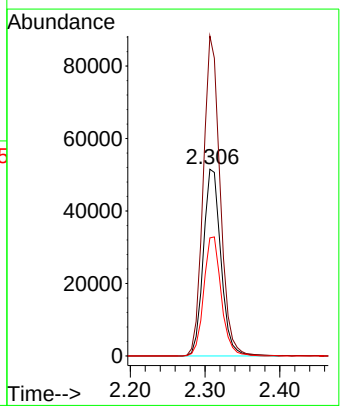


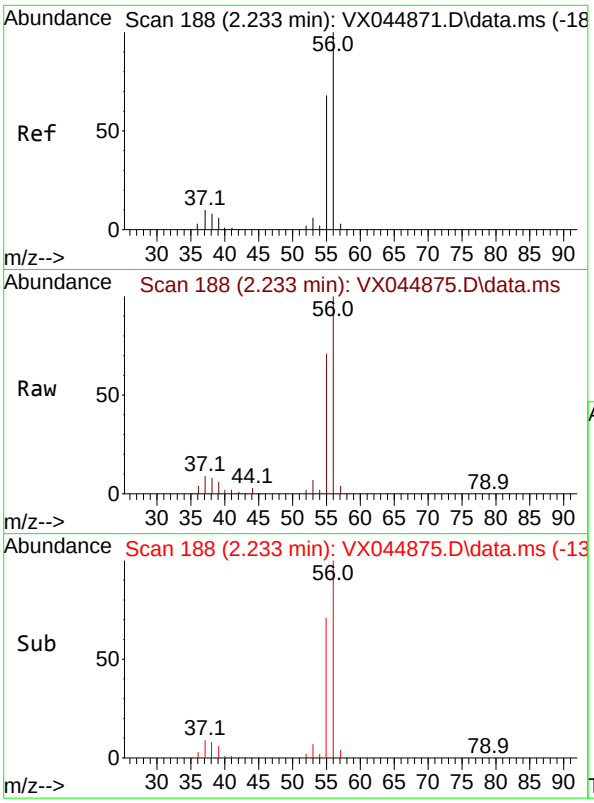


#12
1,1-Dichloroethene
Concen: 47.935 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 96 Resp: 83987

Ion	Ratio	Lower	Upper
96	100		
61	171.4	130.2	195.4
98	63.3	52.2	78.4



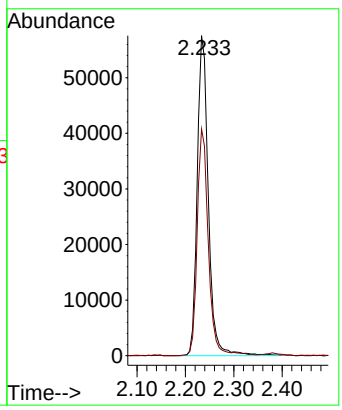


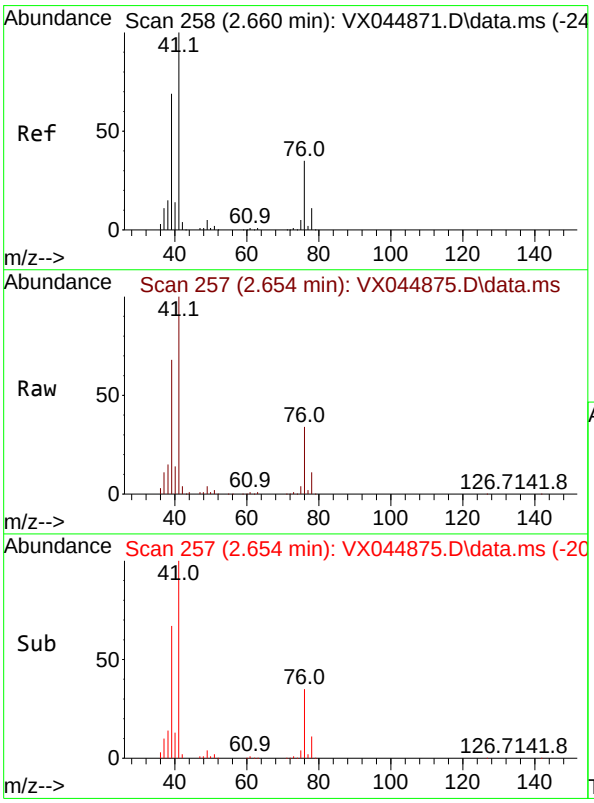
#13
Acrolein
Concen: 240.879 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 56 Resp: 91744

Ion	Ratio	Lower	Upper
56	100		
55	71.0	55.7	83.5

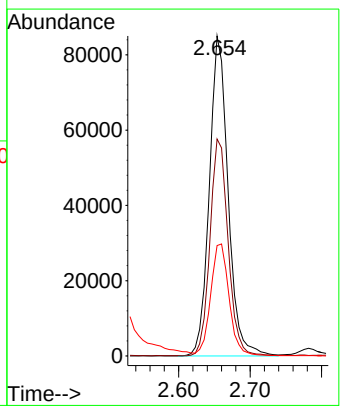


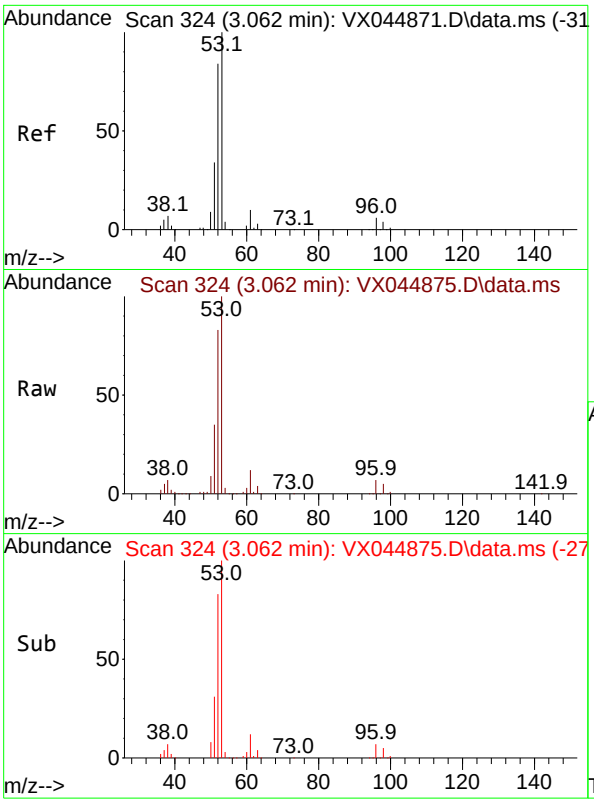


#14
Allyl chloride
Concen: 48.976 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 155084

Ion	Ratio	Lower	Upper
41	100		
39	65.4	51.4	77.2
76	34.2	27.0	40.4



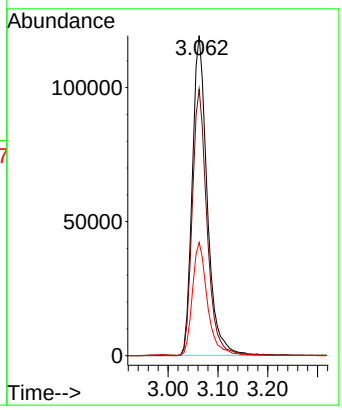


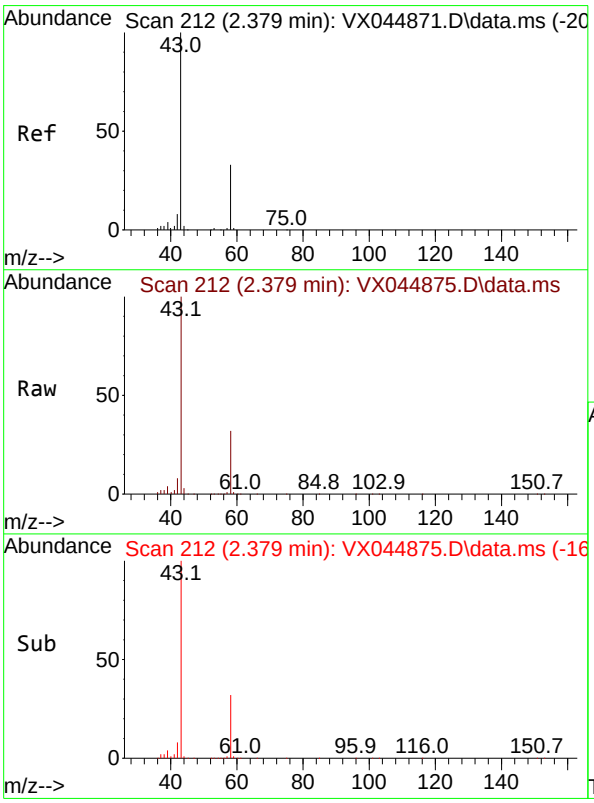
#15
Acrylonitrile
Concen: 251.537 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 53 Resp: 247921

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.7	28.0	42.0

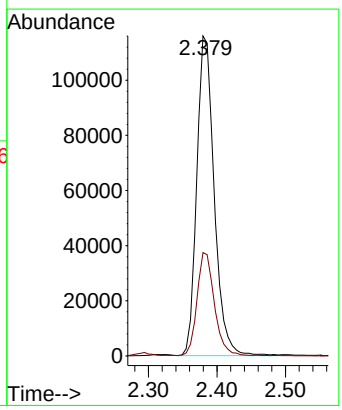


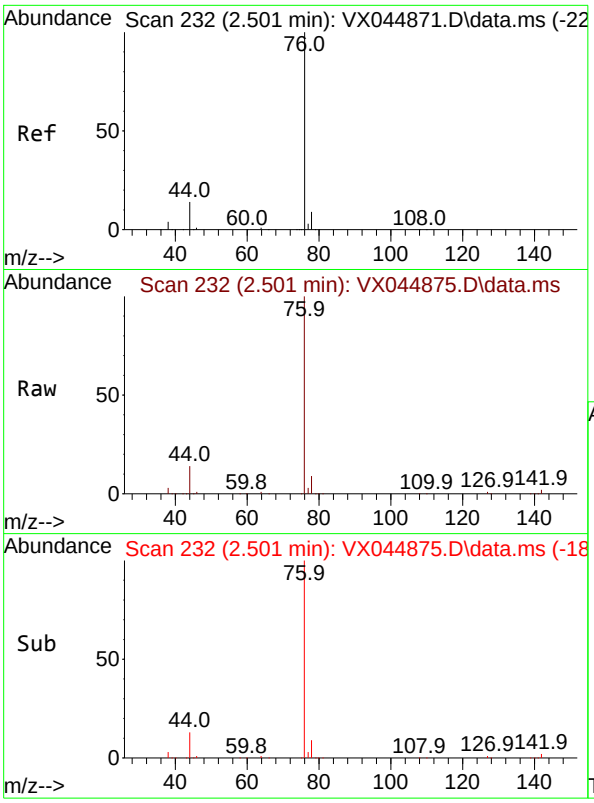


#16
Acetone
Concen: 257.198 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 205743

Ion	Ratio	Lower	Upper
43	100		
58	32.2	26.5	39.7



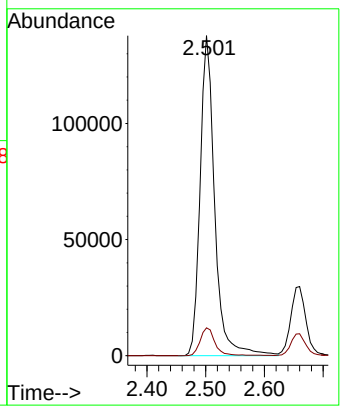


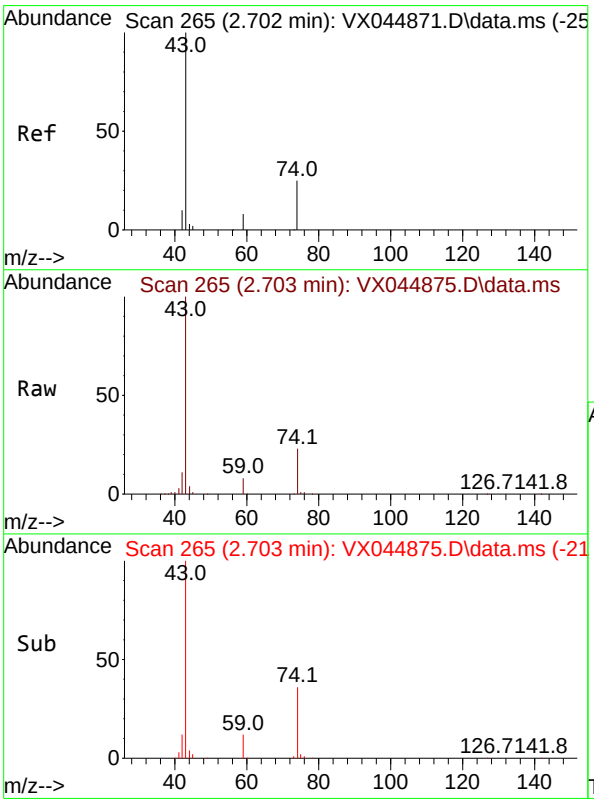
#17
Carbon Disulfide
Concen: 49.472 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 76 Resp: 237694

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

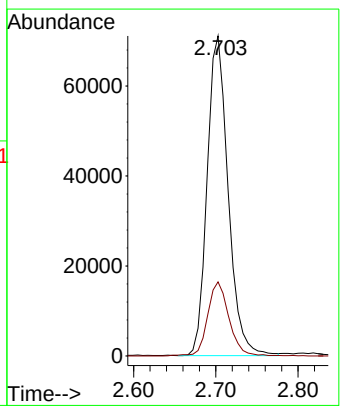


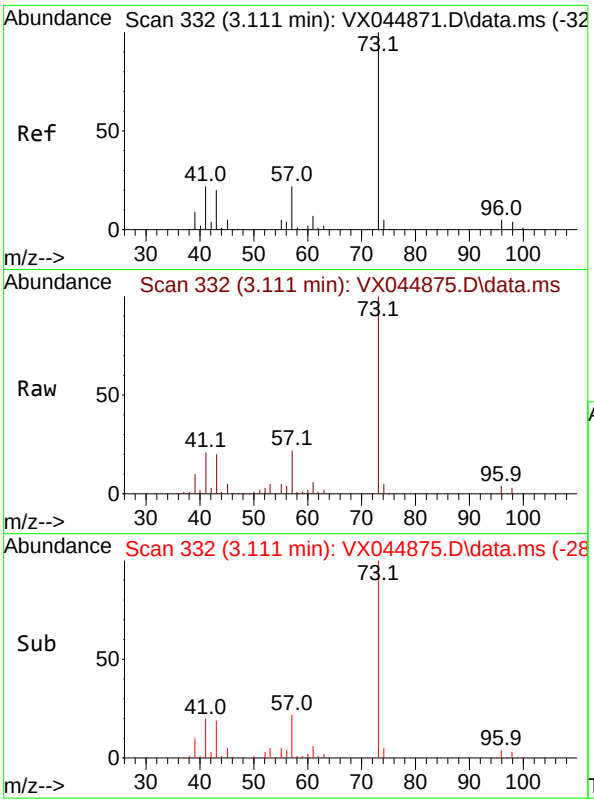


#18
Methyl Acetate
Concen: 49.920 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 126015

Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3



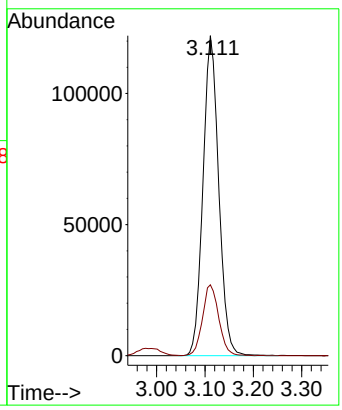


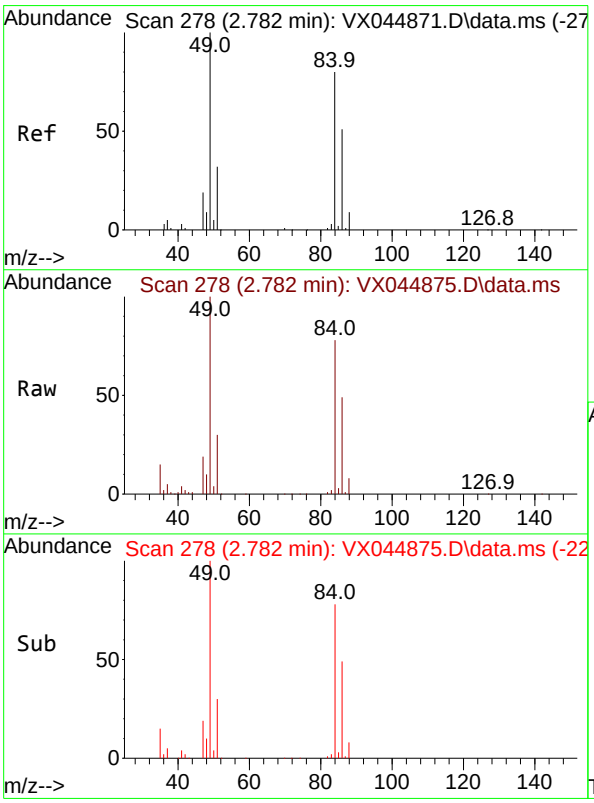
#19
Methyl tert-butyl Ether
Concen: 49.453 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 73 Resp: 275685

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

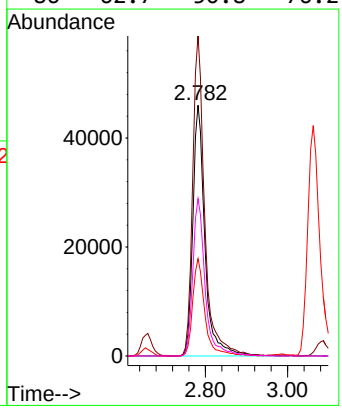


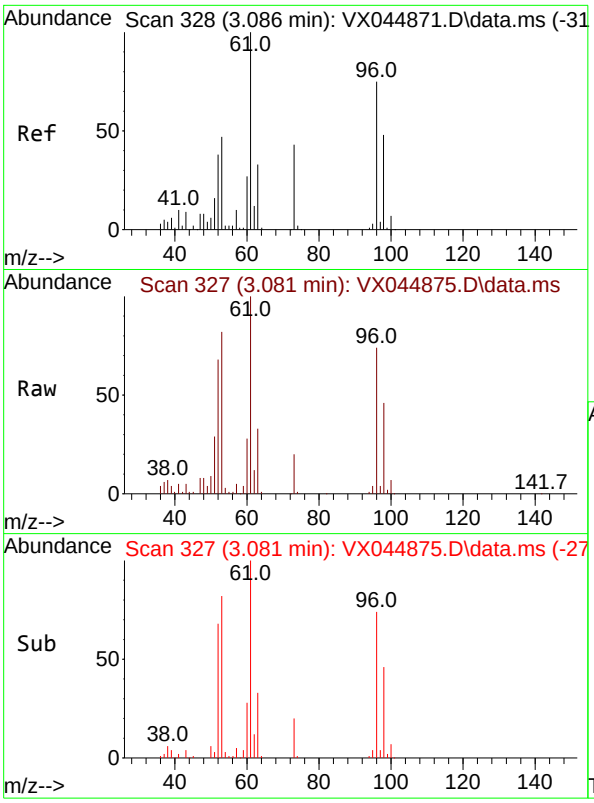


#20
Methylene Chloride
Concen: 47.978 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 84 Resp: 94006

Ion	Ratio	Lower	Upper
84	100		
49	127.6	100.1	150.1
51	38.8	31.7	47.5
86	62.7	50.8	76.2



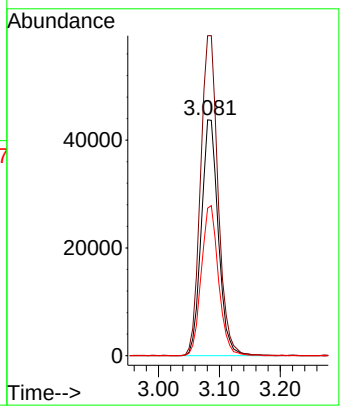


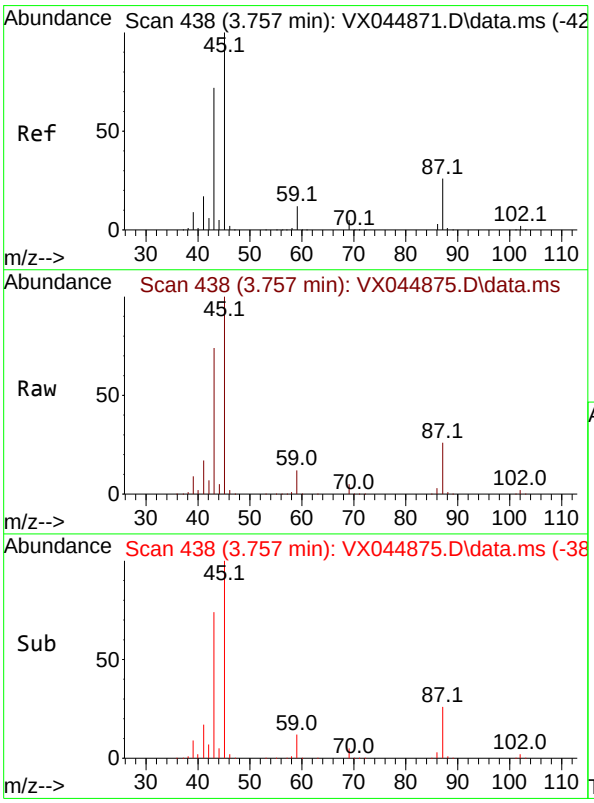
#21
trans-1,2-Dichloroethene
Concen: 49.129 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 96 Resp: 84720

Ion	Ratio	Lower	Upper
96	100		
61	135.7	106.0	159.0
98	62.5	50.6	76.0

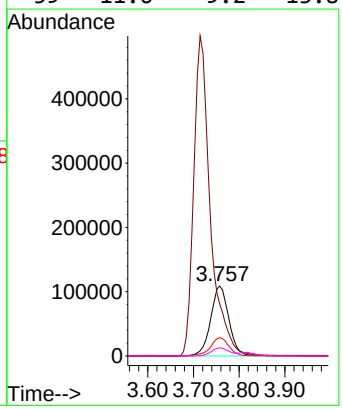


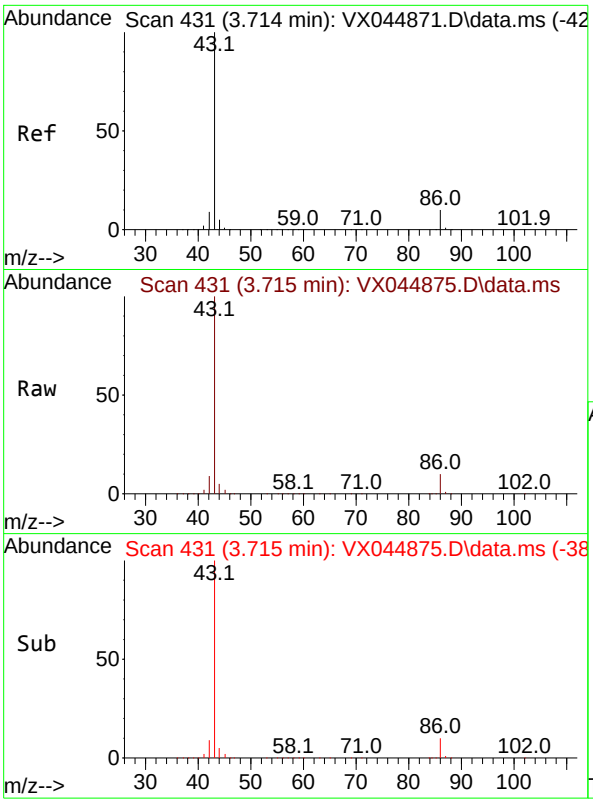


#22
Diisopropyl ether
Concen: 50.138 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 45 Resp: 300357

Ion	Ratio	Lower	Upper
45	100		
43	74.3	58.0	87.0
87	26.4	20.7	31.1
59	11.6	9.2	13.8



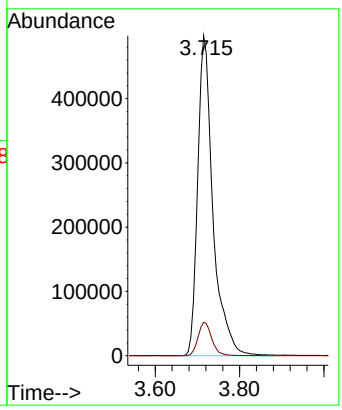


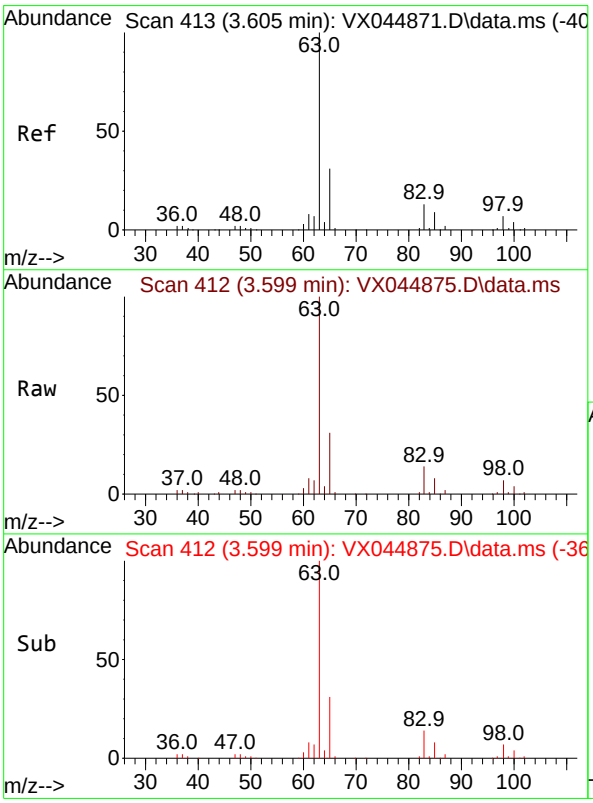
#23
Vinyl Acetate
Concen: 257.465 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 1257431

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

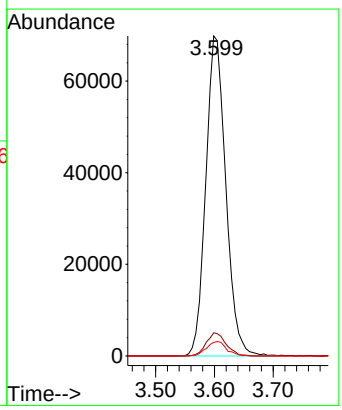


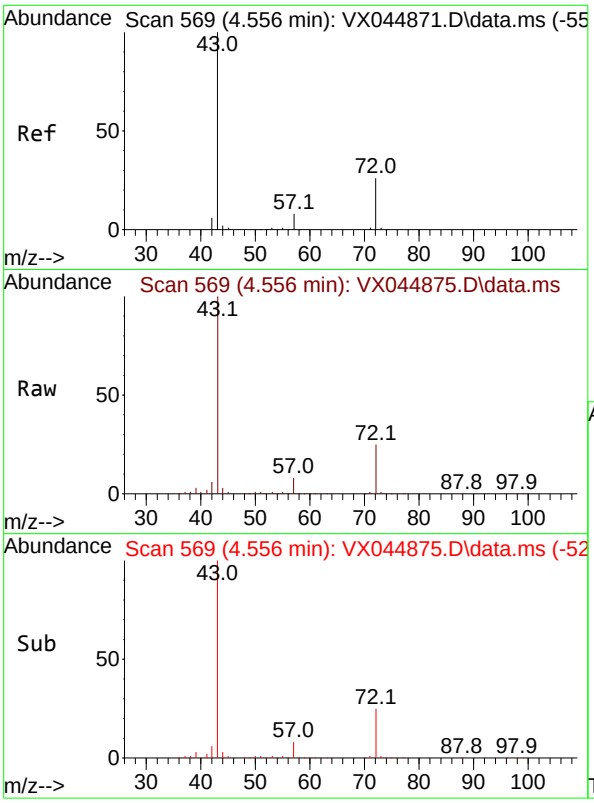


#24
1,1-Dichloroethane
Concen: 49.329 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 165351

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.3	9.9
100	4.2	2.1	6.5



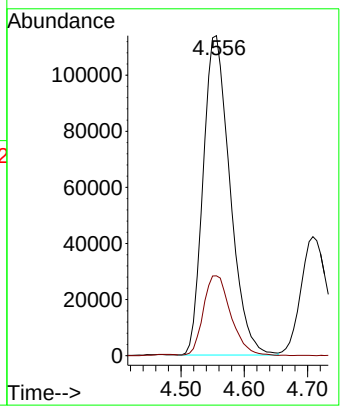


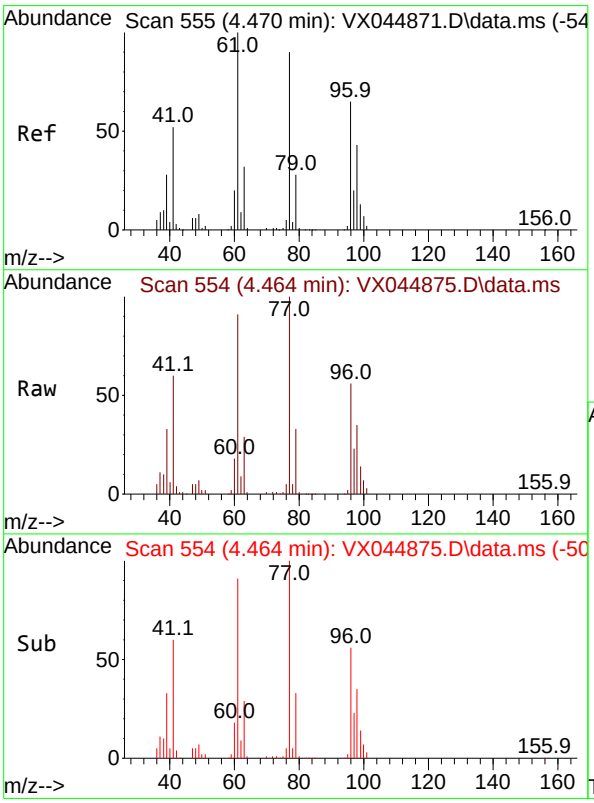
#25
2-Butanone
Concen: 258.175 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 335358

Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.2	31.8

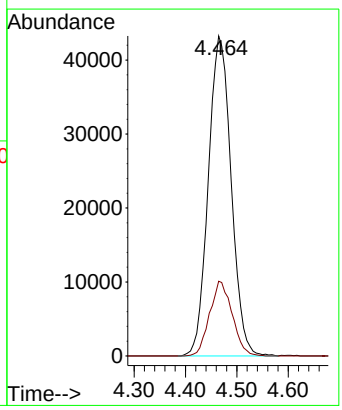


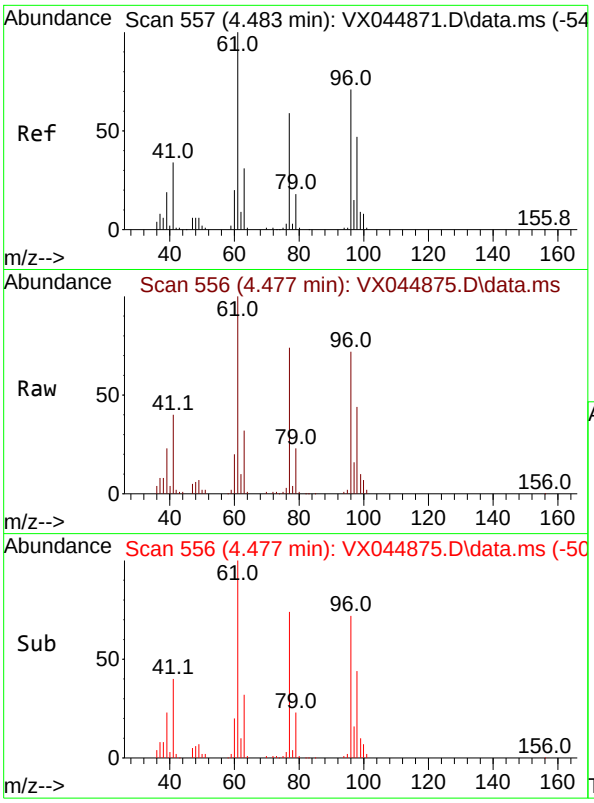


#26
2,2-Dichloropropane
Concen: 50.285 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 77 Resp: 133670

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.8	35.3



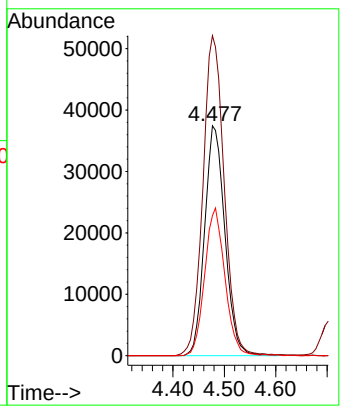


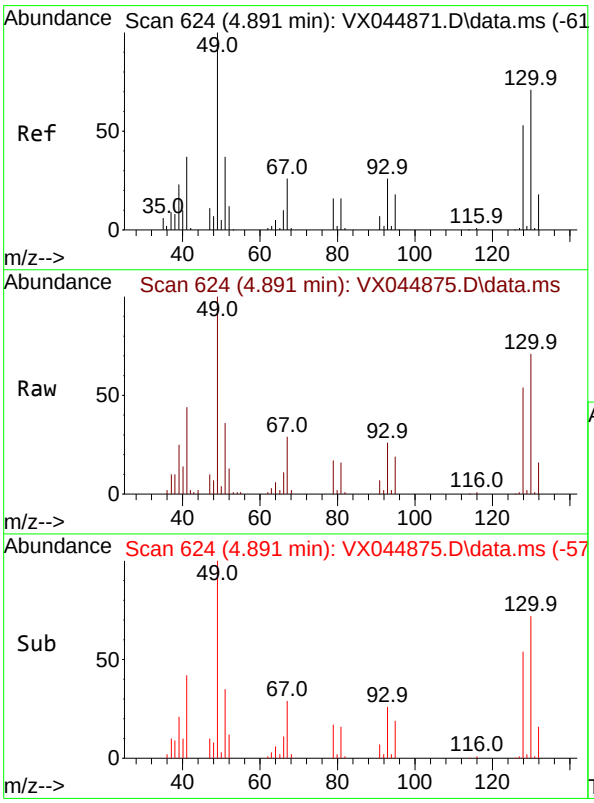
#27
cis-1,2-Dichloroethene
Concen: 49.493 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 96 Resp: 102518

Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	294.0
98	63.9	0.0	131.2

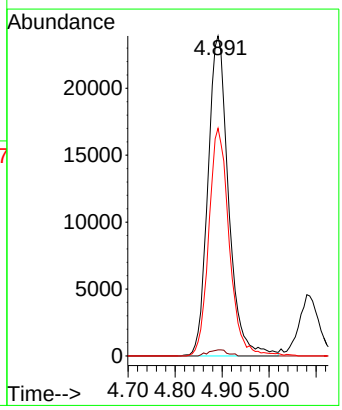


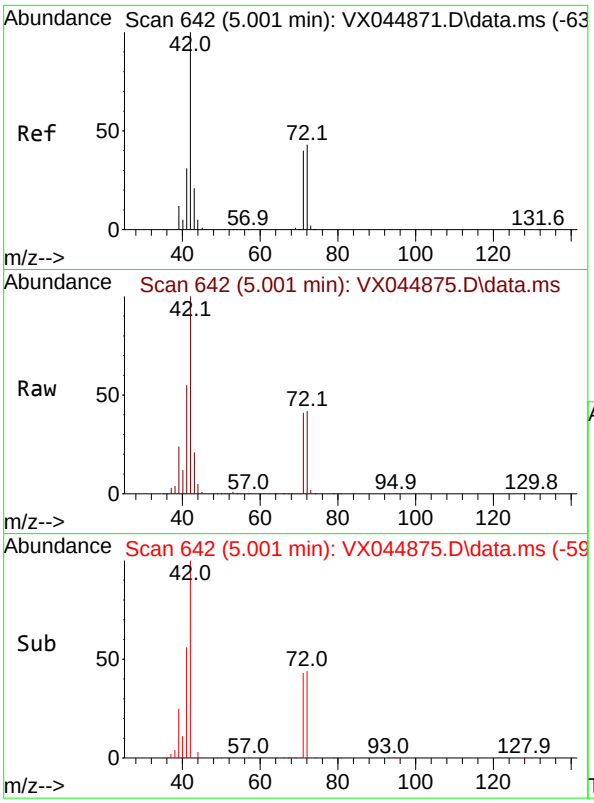


#28
Bromochloromethane
Concen: 45.250 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 49 Resp: 72893

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	70.3	56.7	85.1



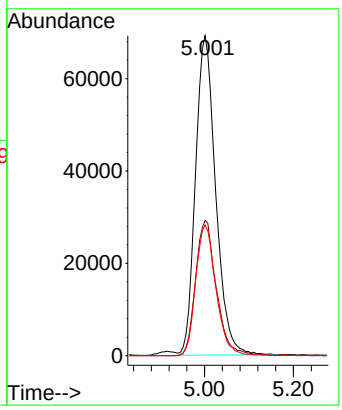


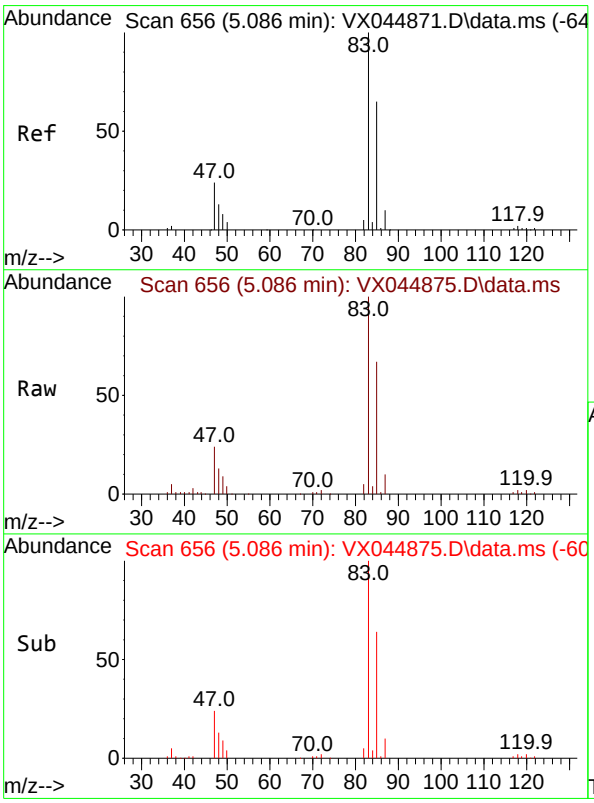
#29
Tetrahydrofuran
Concen: 253.318 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 42 Resp: 218496

Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.0	52.4
71	41.1	32.6	48.8

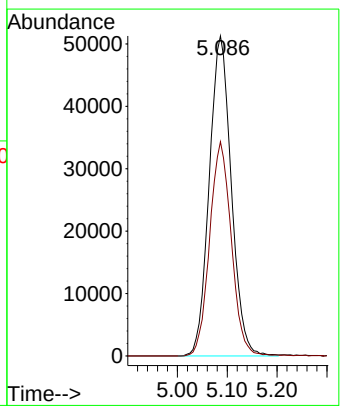


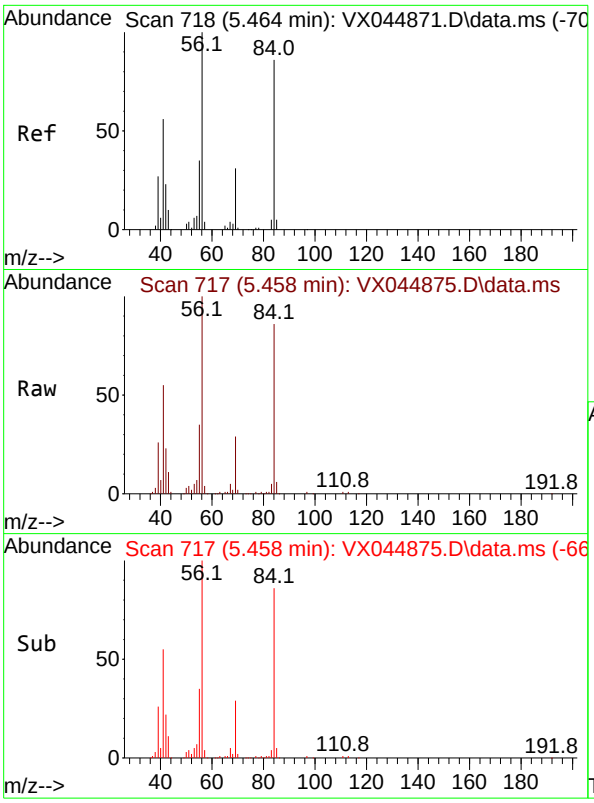


#30
Chloroform
Concen: 48.393 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 83 Resp: 157312

Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.1	78.1



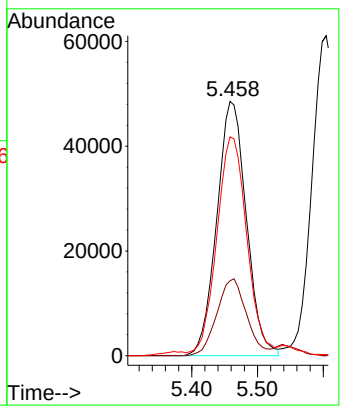


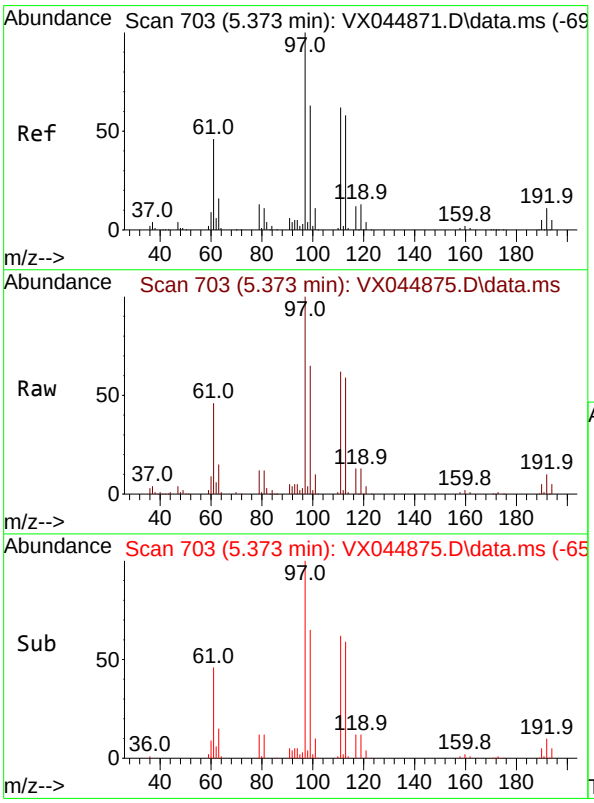
#31
Cyclohexane
Concen: 49.211 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 56 Resp: 152073

Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.4	36.6
84	84.6	69.0	103.6

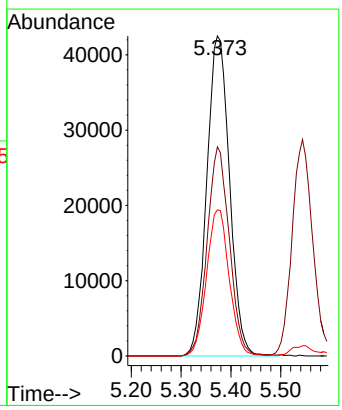


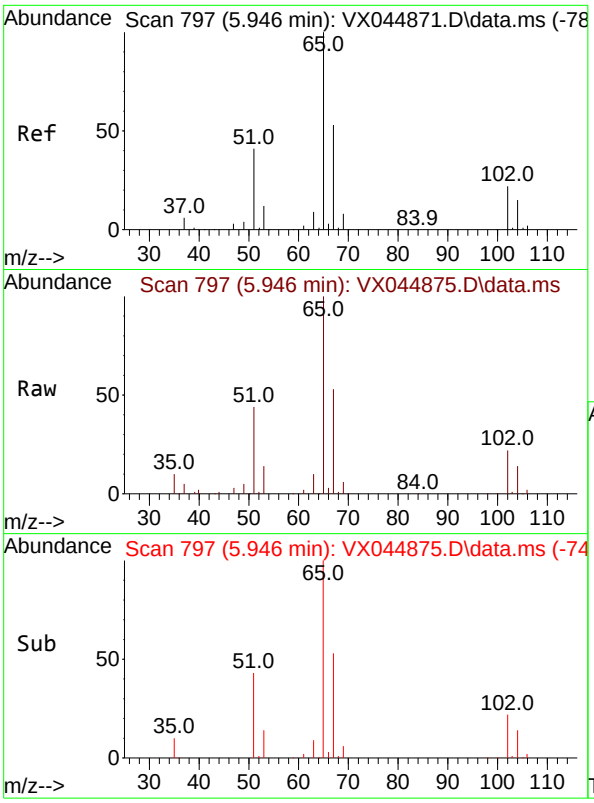


#32
1,1,1-Trichloroethane
Concen: 48.825 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 97 Resp: 134626

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.7	36.6	55.0



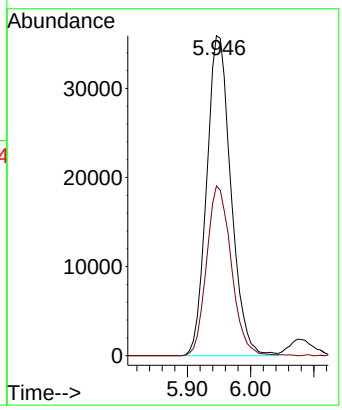


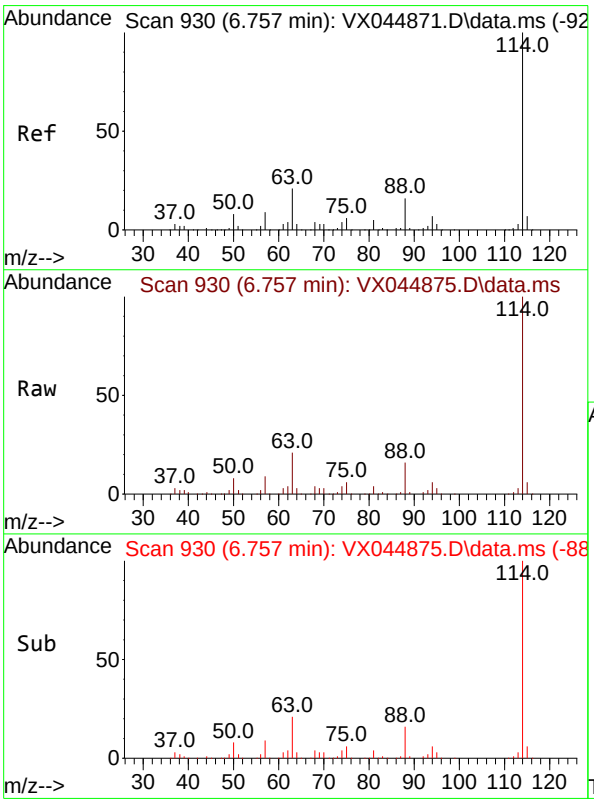
#33
1,2-Dichloroethane-d4
Concen: 48.061 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 65 Resp: 95635

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.2

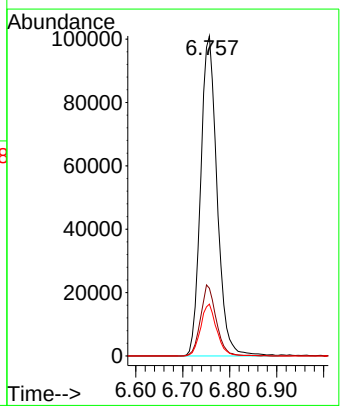


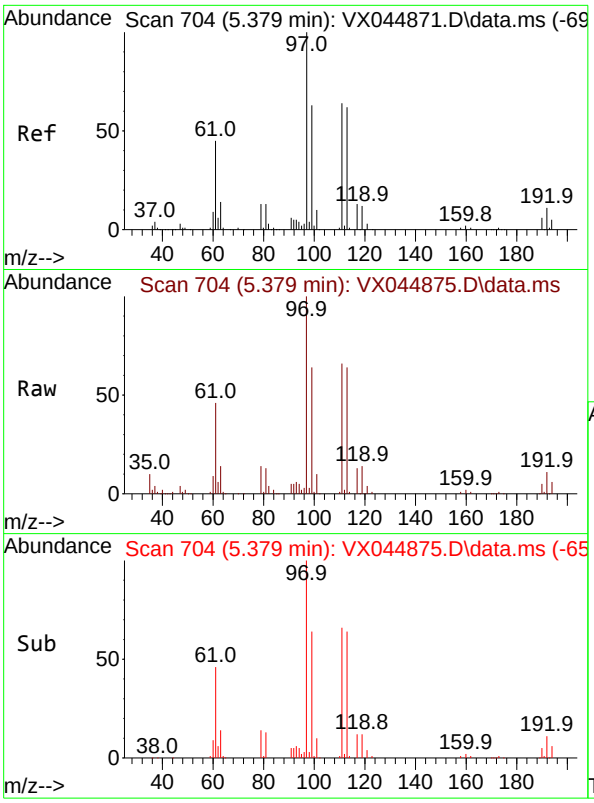


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:114 Resp: 245098

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	16.2	0.0	31.4



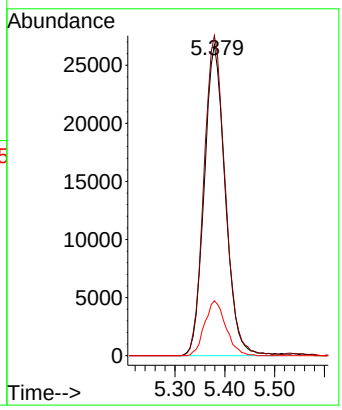


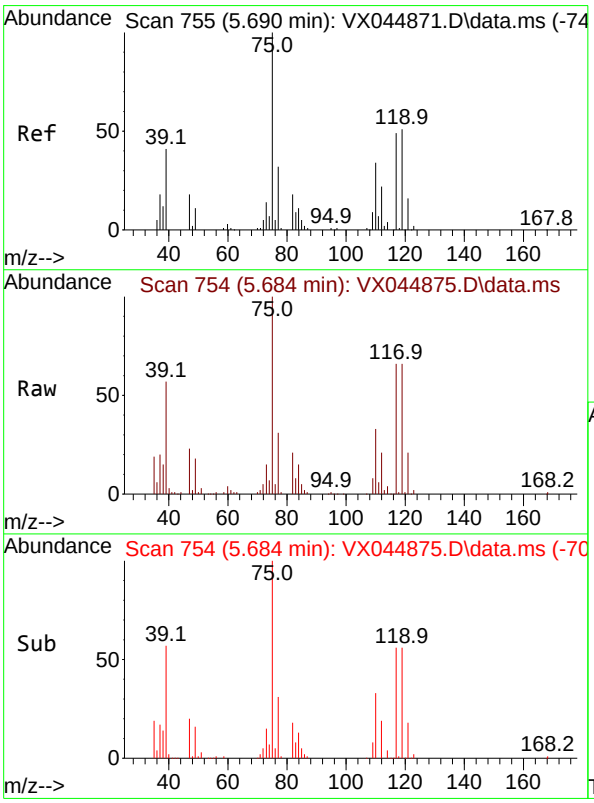
#35
Dibromofluoromethane
Concen: 49.173 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:113 Resp: 78360

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	17.9	14.4	21.6

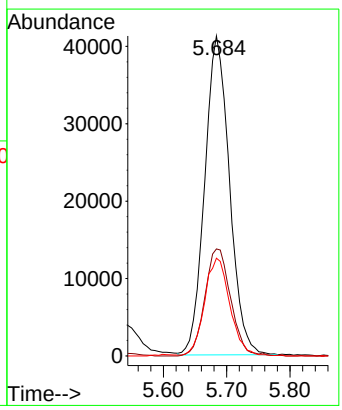


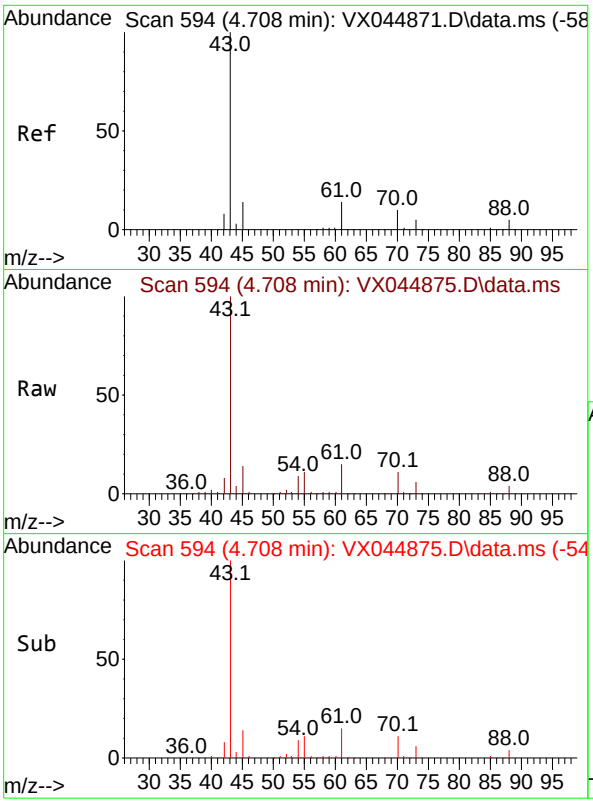


#36
1,1-Dichloropropene
Concen: 48.702 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 111968

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.2	51.6
77	31.6	24.6	37.0



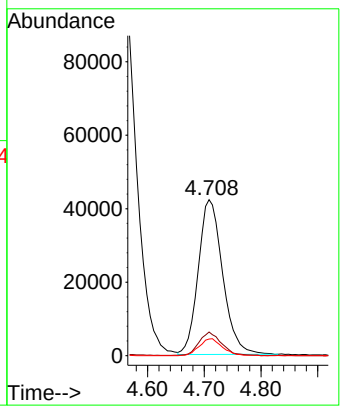


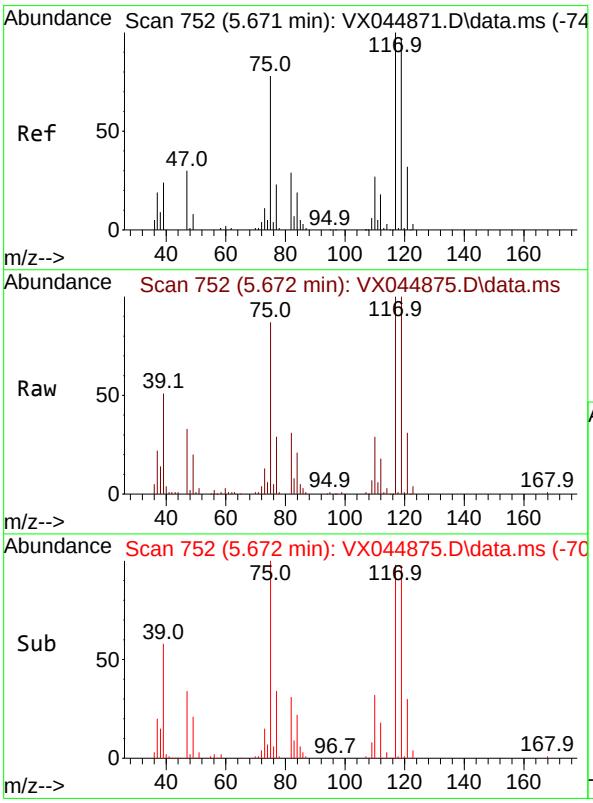
#37
Ethyl Acetate
Concen: 49.300 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 126071

Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.4	8.2	12.2

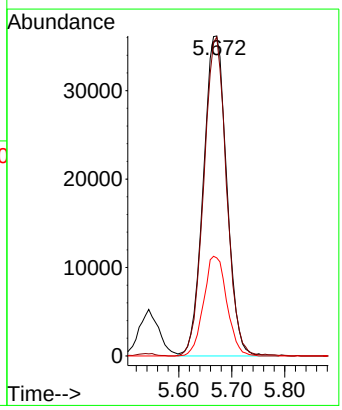


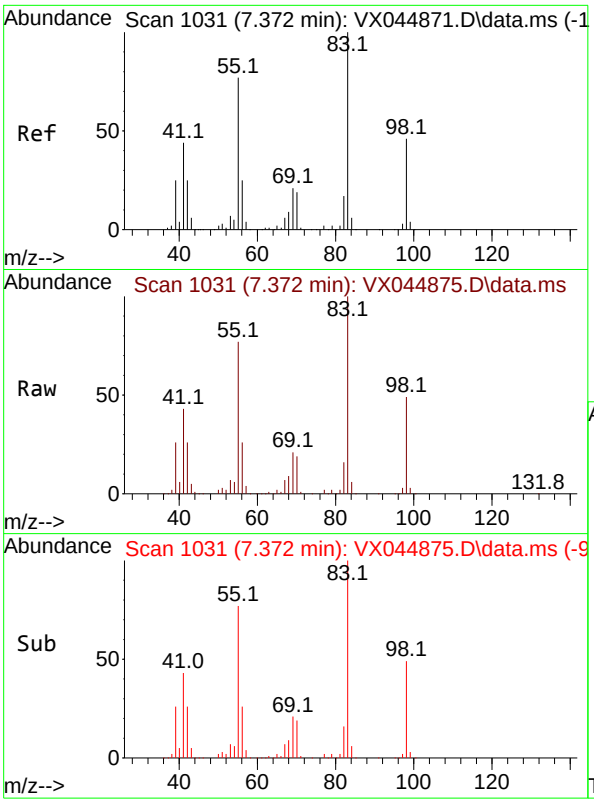


#38
Carbon Tetrachloride
Concen: 49.083 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:117 Resp: 110581

Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.5	116.3
121	30.6	25.6	38.4



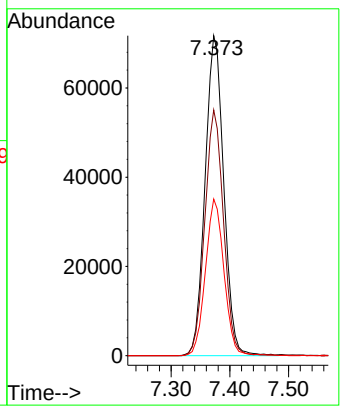


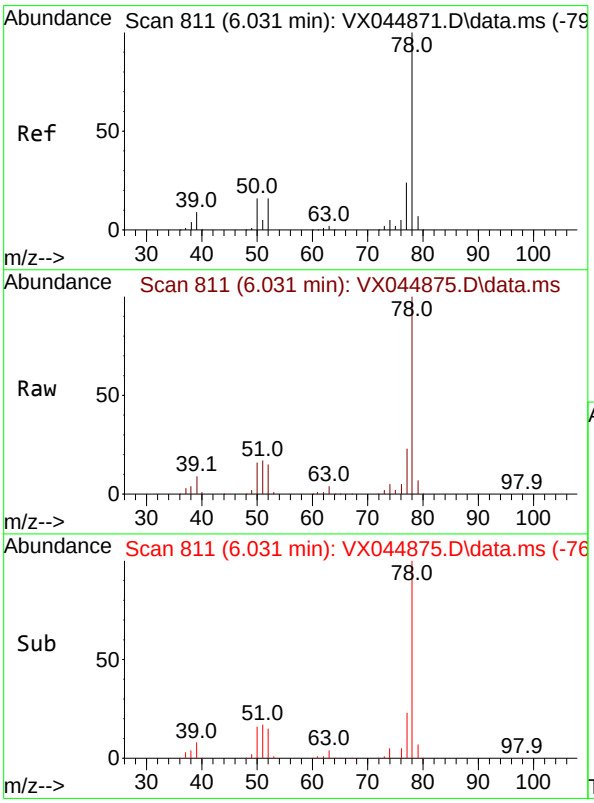
#39
Methylcyclohexane
Concen: 53.254 ug/l
RT: 7.372 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 83 Resp: 158289

Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.3	91.9
98	49.0	37.0	55.6

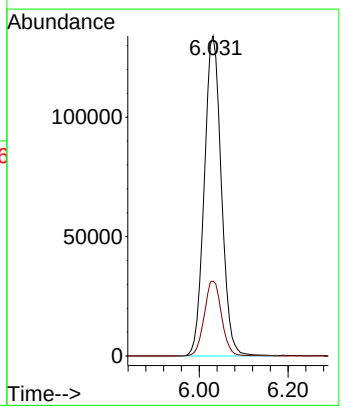


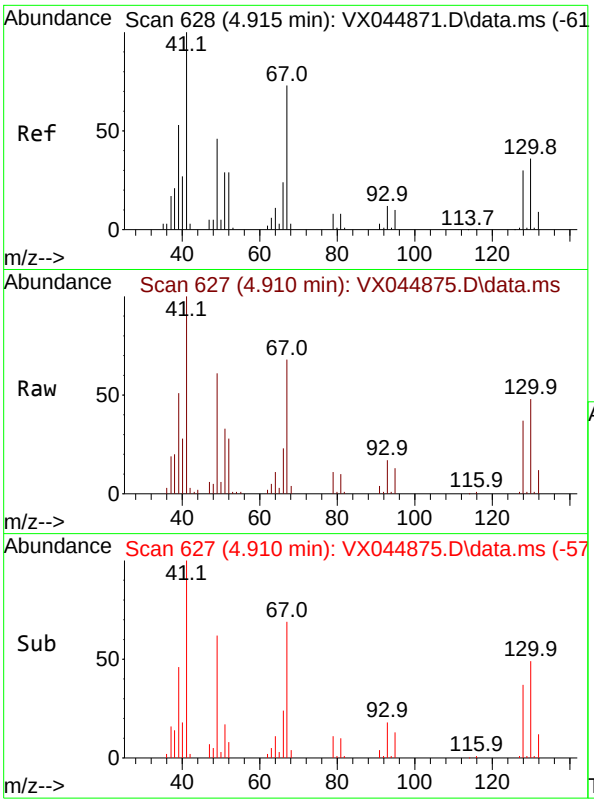


#40
Benzene
Concen: 49.919 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 78 Resp: 358365

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6



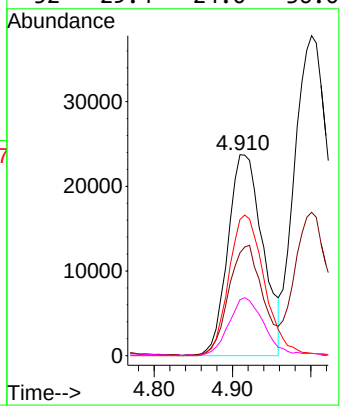


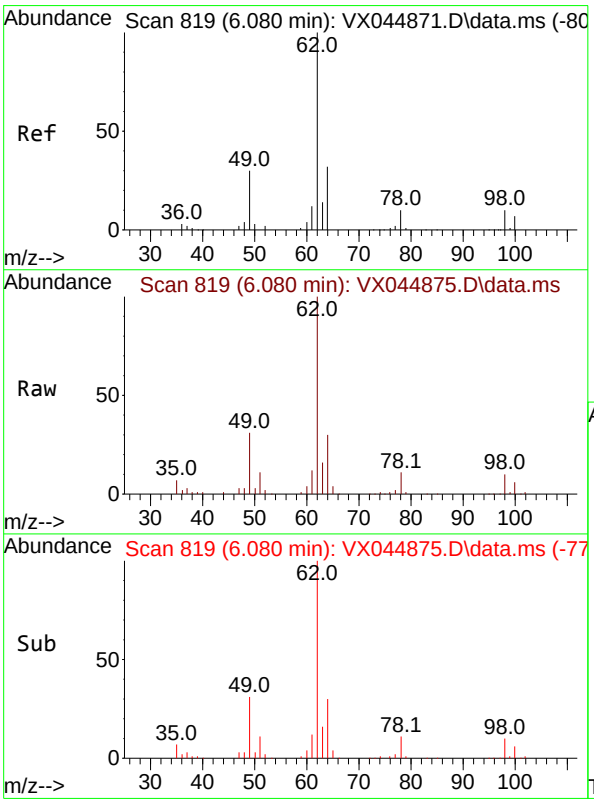
#41
Methacrylonitrile
Concen: 53.741 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 41 Resp: 73559

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.1	64.7
67	71.9	57.0	85.6
52	29.4	24.0	36.0

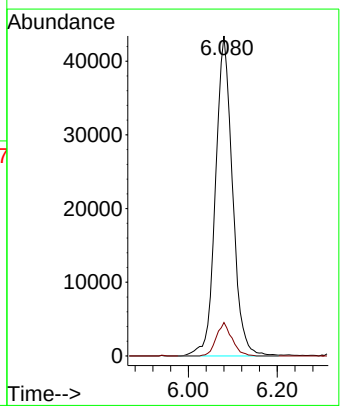


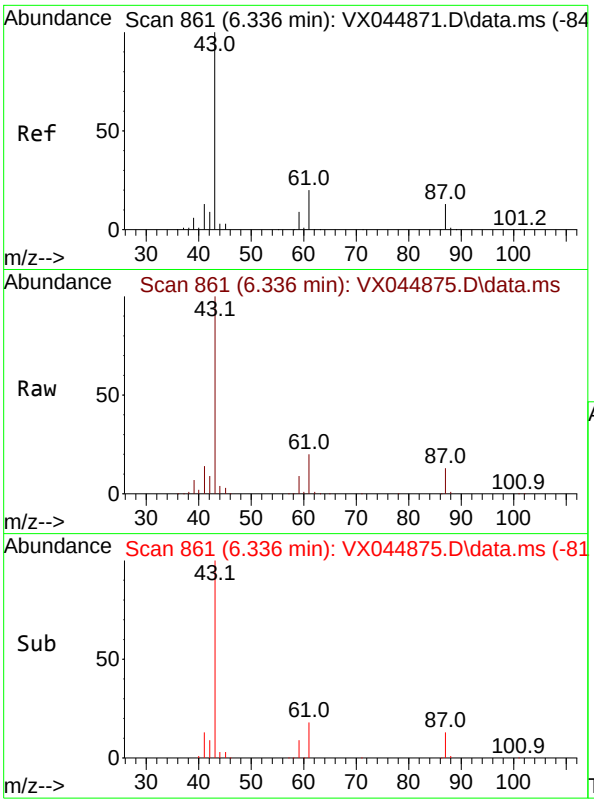


#42
1,2-Dichloroethane
Concen: 50.410 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 115339

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4



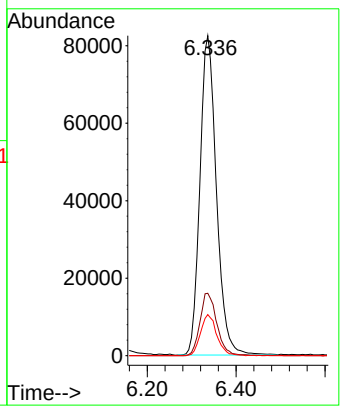


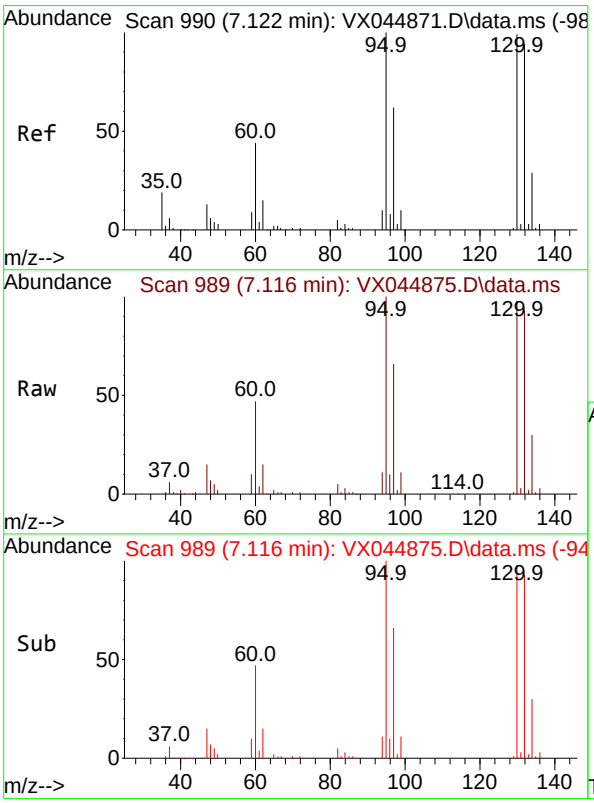
#43
Isopropyl Acetate
Concen: 51.798 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 213901

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.8
87	12.6	10.0	15.0

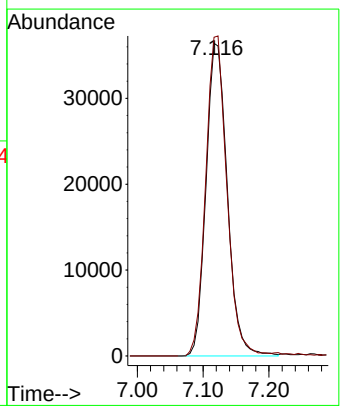


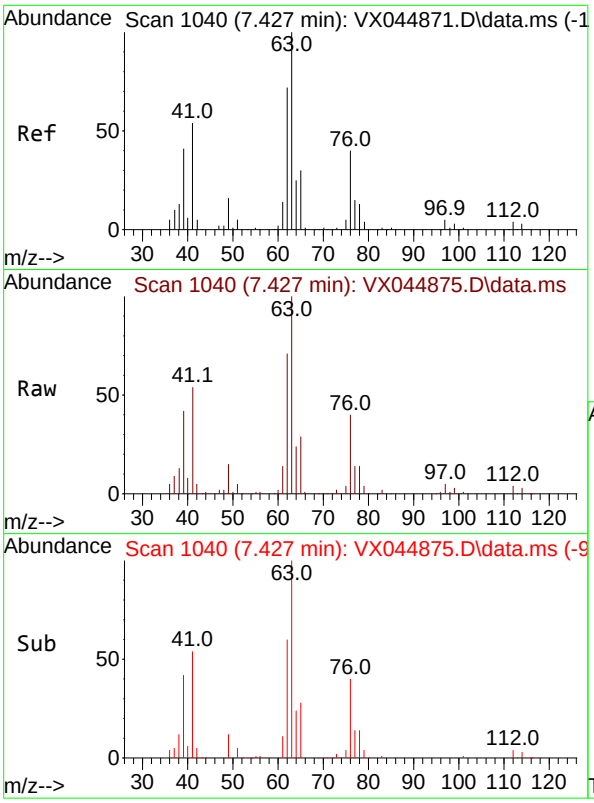


#44
Trichloroethene
Concen: 49.917 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:130 Resp: 81911

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	202.4



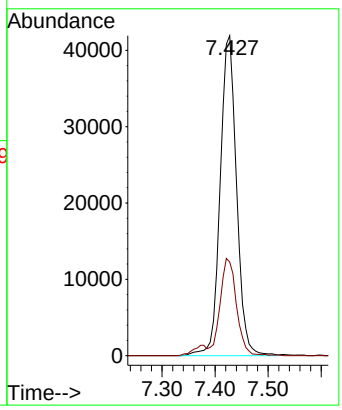


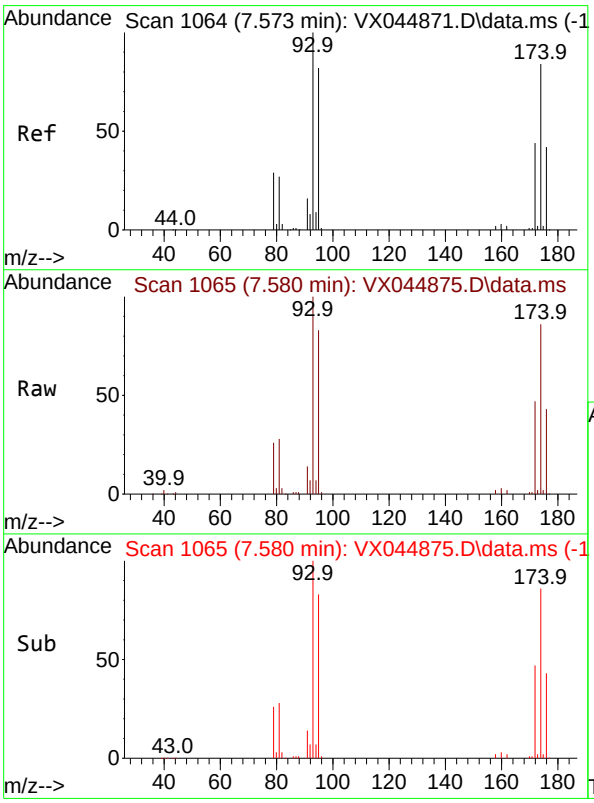
#45
1,2-Dichloropropane
Concen: 50.387 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 63 Resp: 89992

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.2	36.4

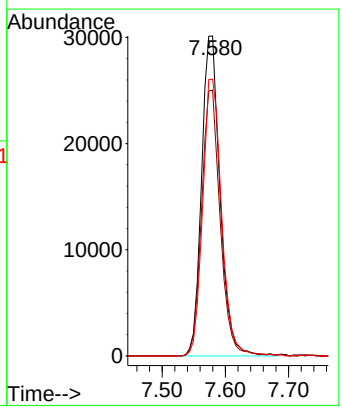


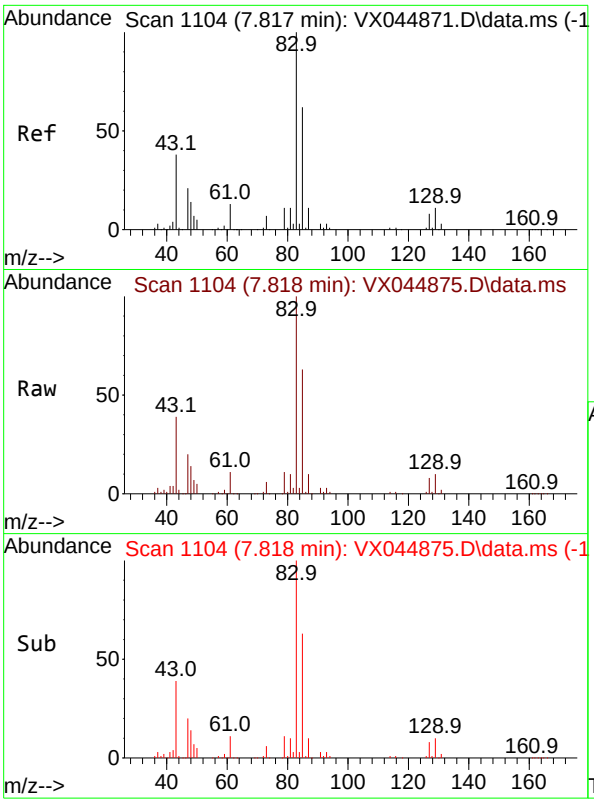


#46
Dibromomethane
Concen: 49.540 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 93 Resp: 61360

Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.2	99.4
174	88.6	69.9	104.9



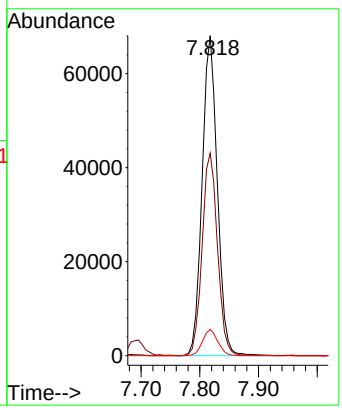


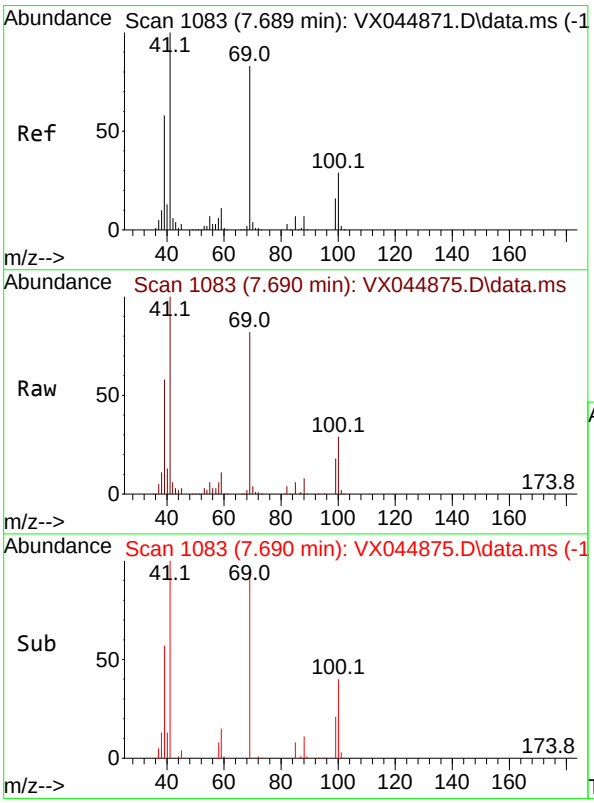
#47
Bromodichloromethane
Concen: 50.980 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 83 Resp: 122265

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.0	75.0
127	8.2	6.4	9.6

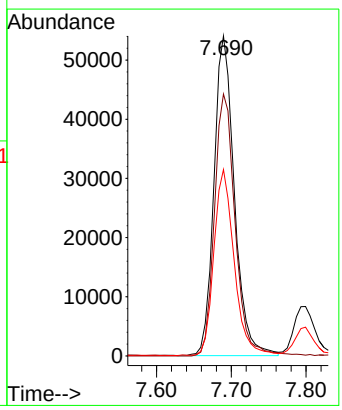


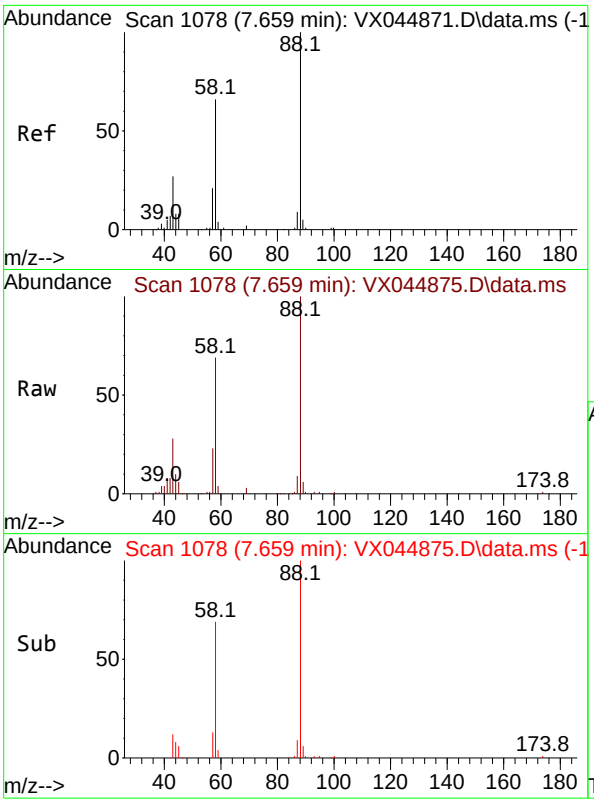


#48
Methyl methacrylate
Concen: 52.848 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 102900

Ion	Ratio	Lower	Upper
41	100		
69	83.2	65.8	98.8
39	57.8	46.4	69.6



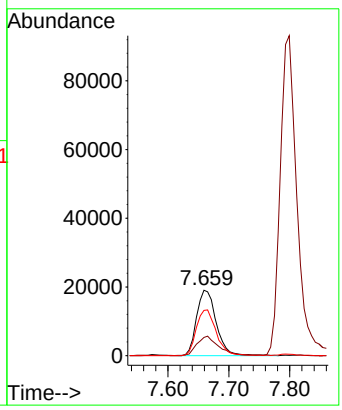


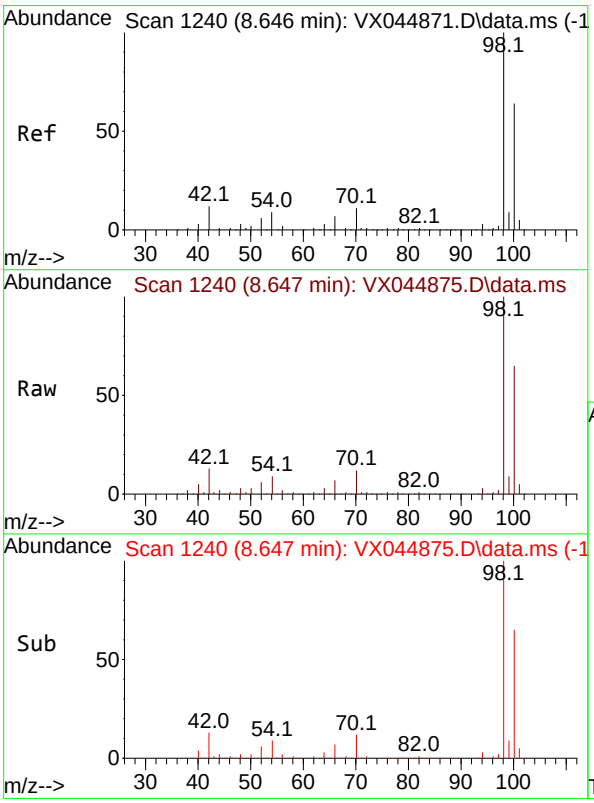
#49
1,4-Dioxane
Concen: 1021.138 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 88 Resp: 42658

Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.6	39.8
58	71.2	55.9	83.9

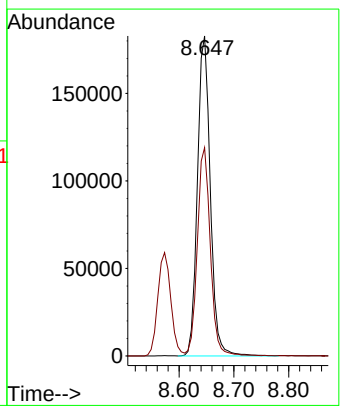


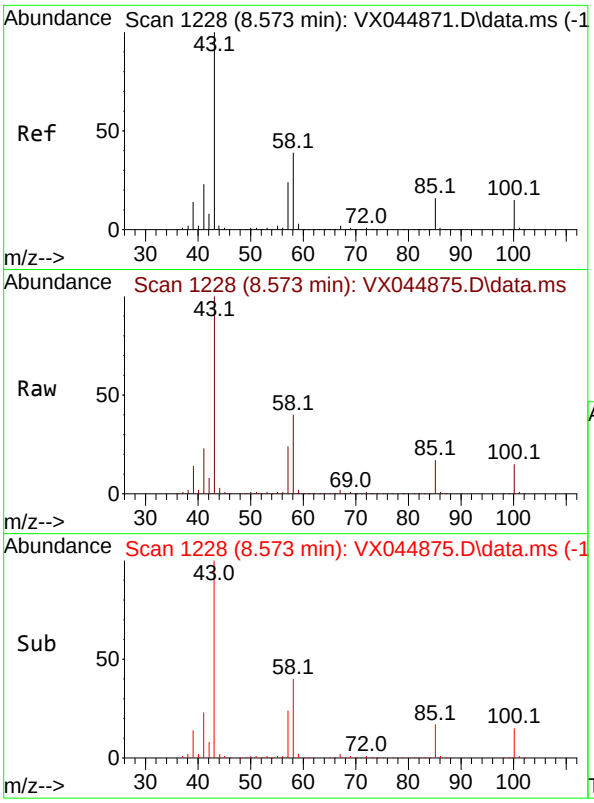


#50
Toluene-d8
Concen: 49.649 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 98 Resp: 299178

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1



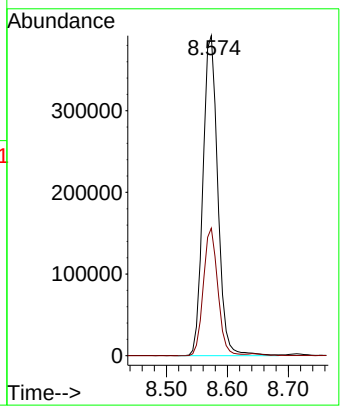


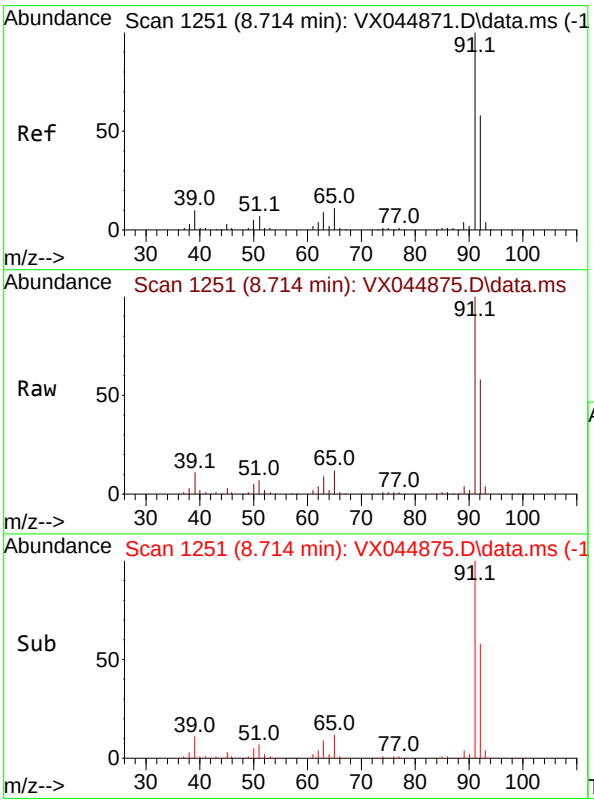
#51
4-Methyl-2-Pentanone
Concen: 265.112 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 665564

Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.8	46.2

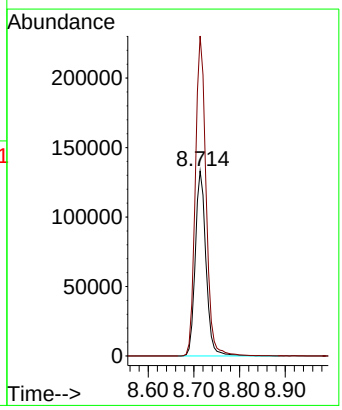


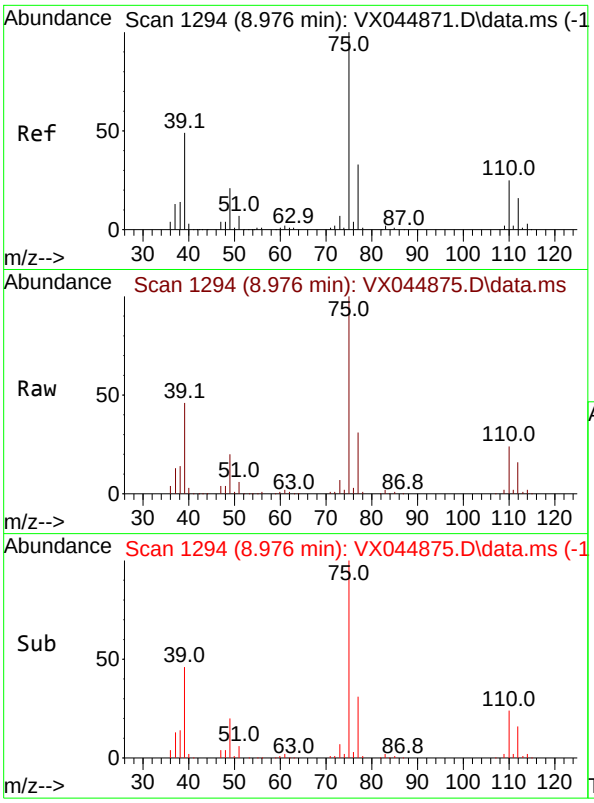


#52
Toluene
Concen: 50.680 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 92 Resp: 216682

Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.4	206.2



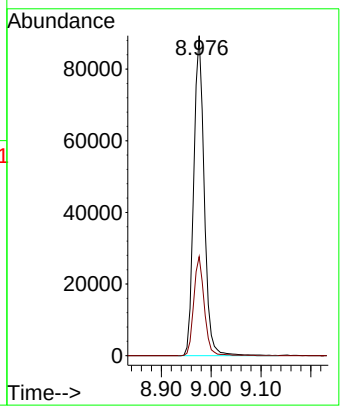


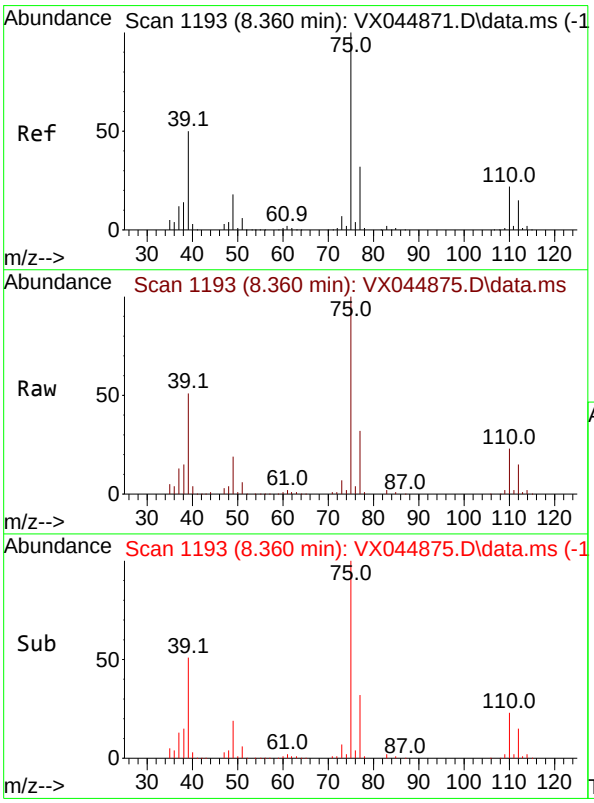
#53
t-1,3-Dichloropropene
Concen: 53.731 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 75 Resp: 130405

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.0	39.0

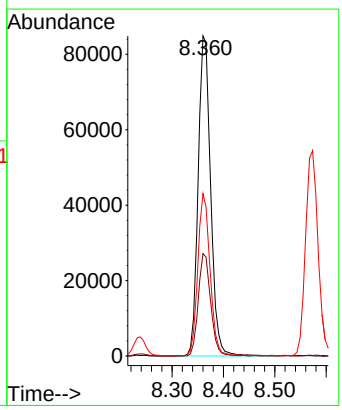


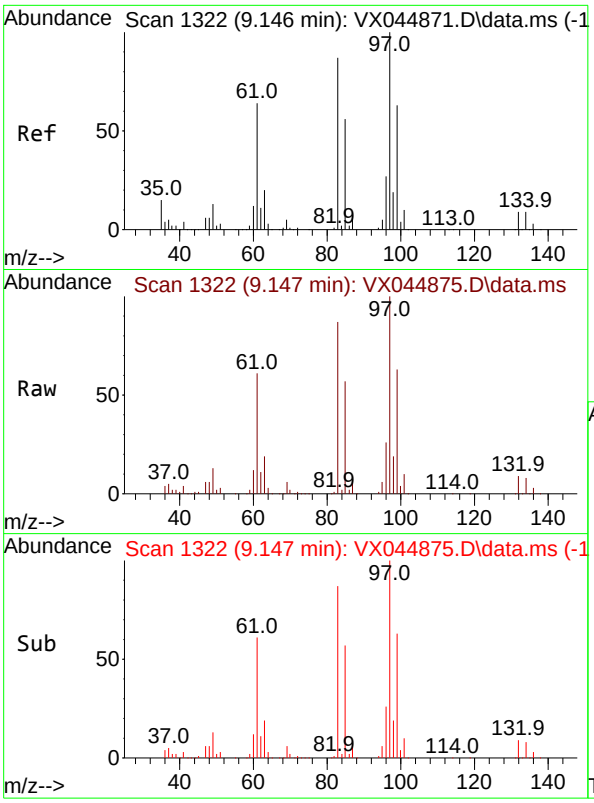


#54
cis-1,3-Dichloropropene
Concen: 52.986 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 143379

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9
39	50.6	40.0	60.0



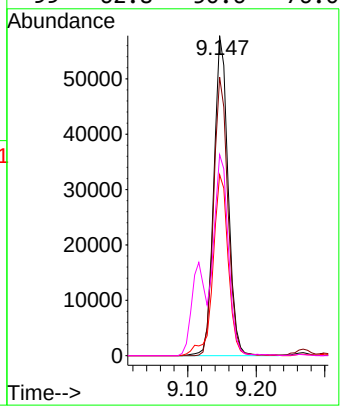


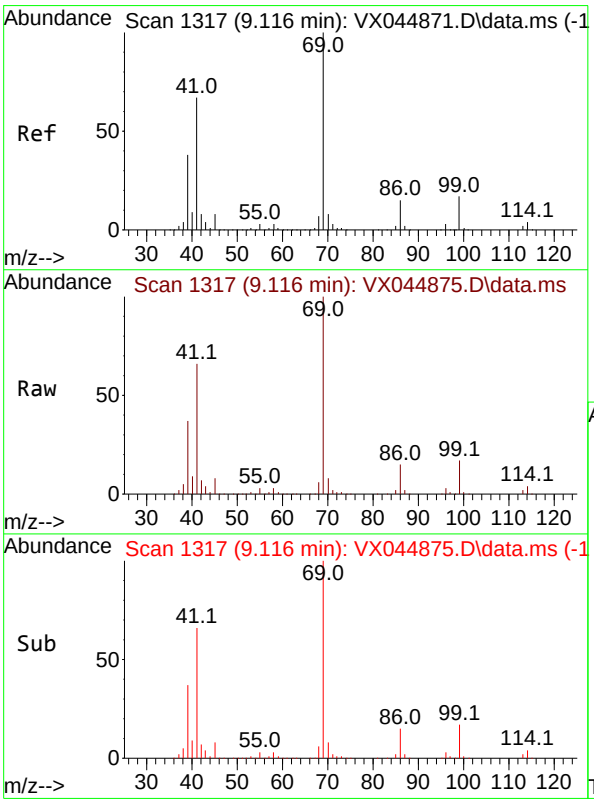
#55
1,1,2-Trichloroethane
Concen: 50.811 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 97 Resp: 83510

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.8	104.6
85	56.6	44.8	67.2
99	62.8	50.6	76.0

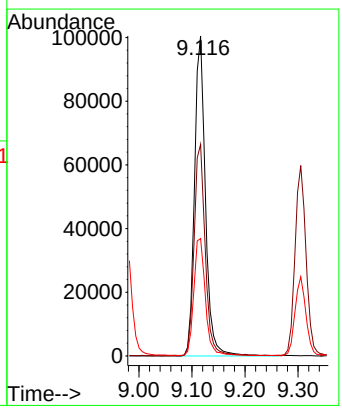


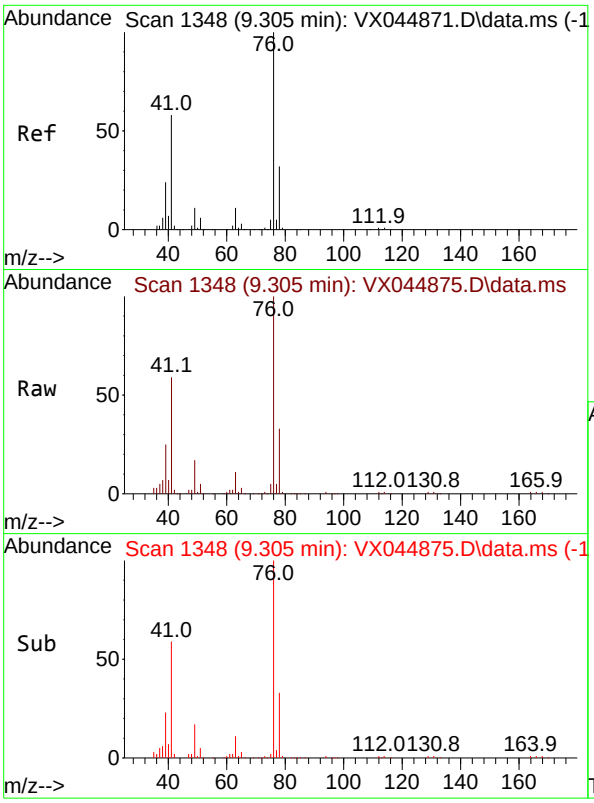


#56
Ethyl methacrylate
Concen: 54.068 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 69 Resp: 143524

Ion	Ratio	Lower	Upper
69	100		
41	67.8	55.2	82.8
39	38.4	30.8	46.2



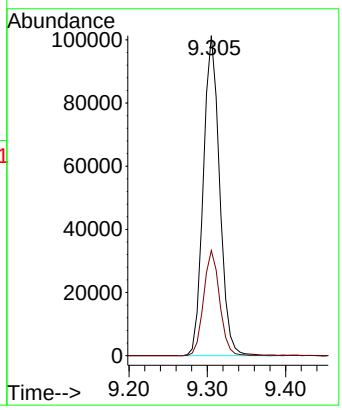


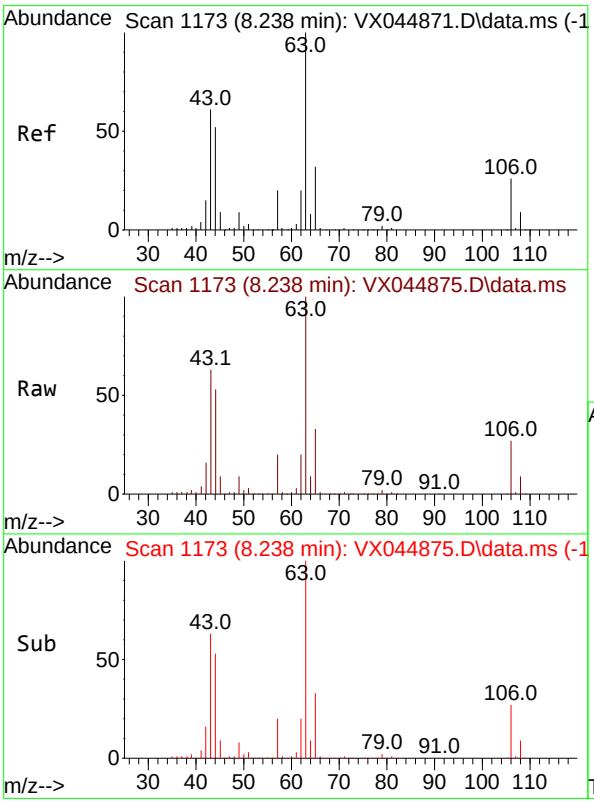
#57
1,3-Dichloropropane
Concen: 50.852 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 76 Resp: 146236

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

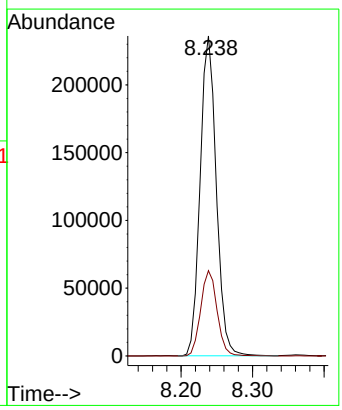


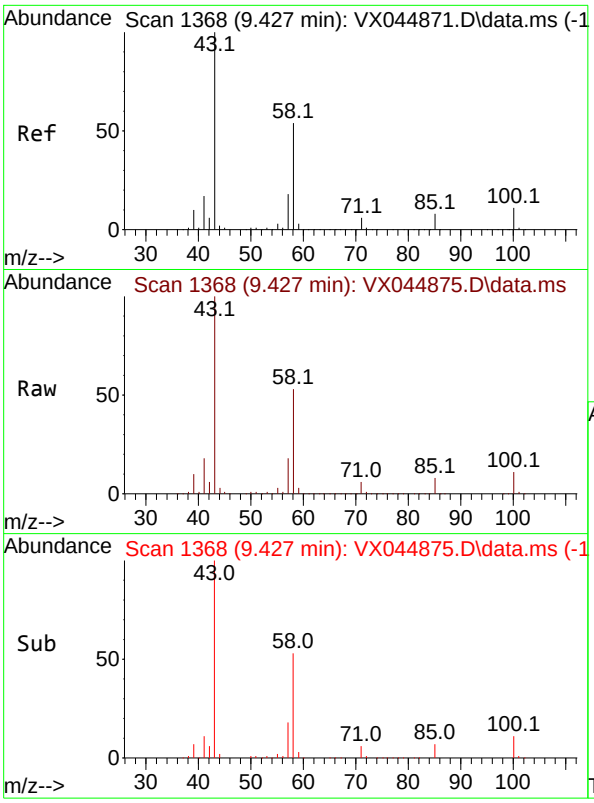


#58
2-Chloroethyl Vinyl ether
Concen: 284.352 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 370622

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.3	31.9



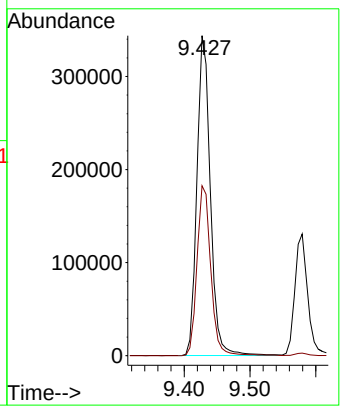


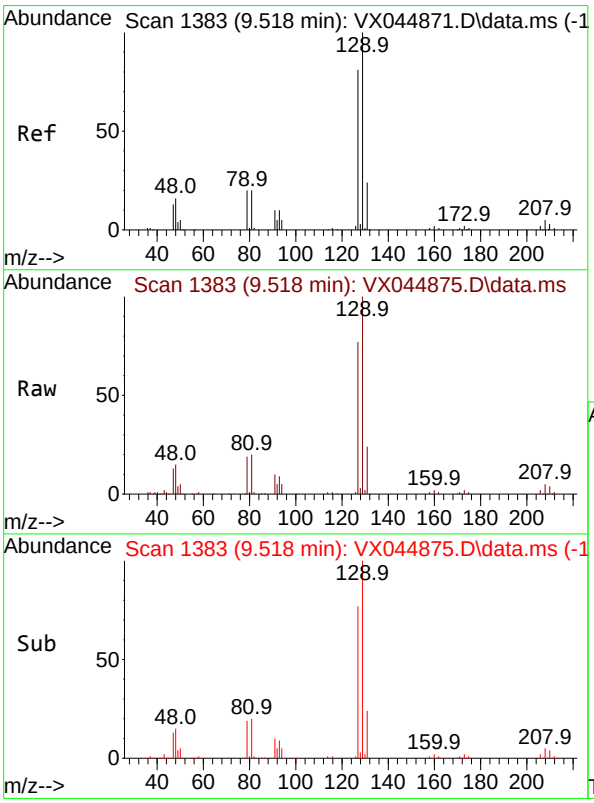
#59
2-Hexanone
Concen: 269.951 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 488298

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.5	82.4

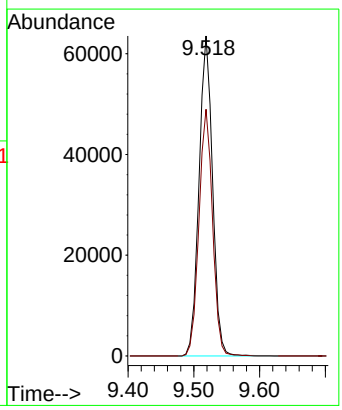


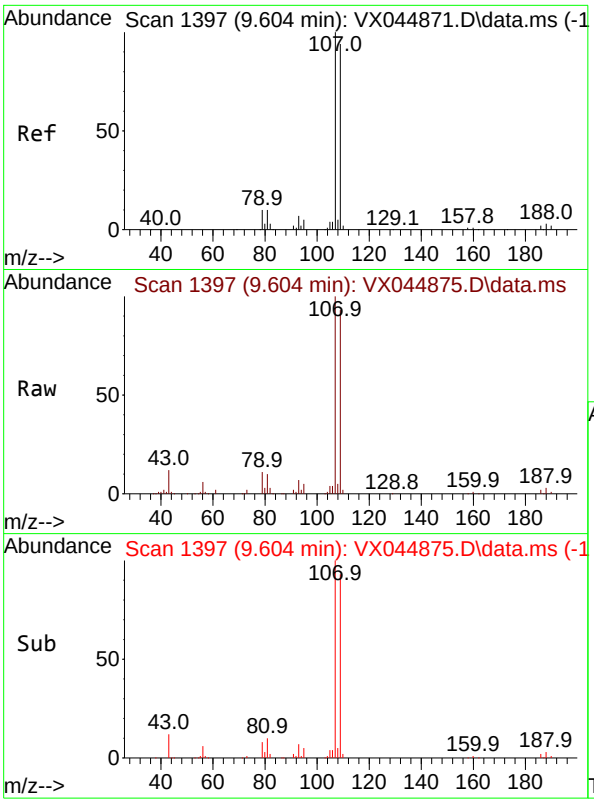


#60
Dibromochloromethane
Concen: 51.673 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:129 Resp: 90826

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.3



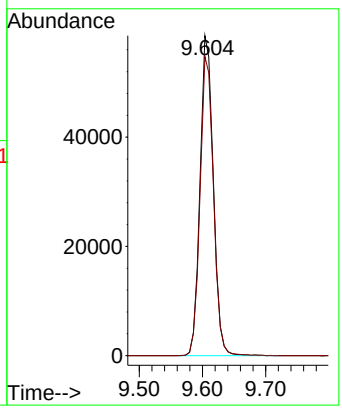


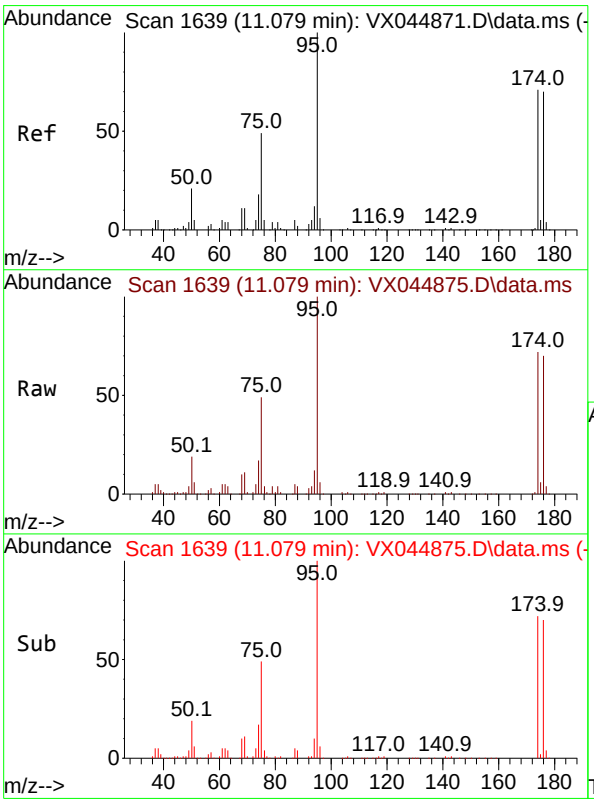
#61
1,2-Dibromoethane
Concen: 51.436 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:107 Resp: 85683

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.9	113.9

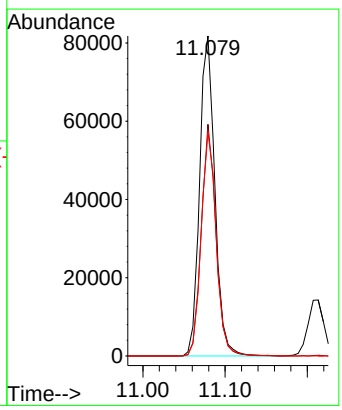


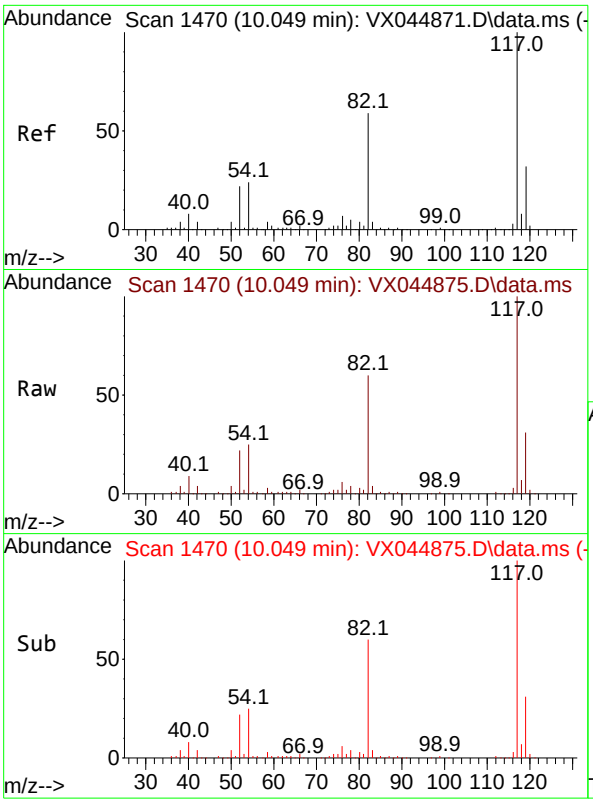


#62
4-Bromofluorobenzene
Concen: 51.786 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 95 Resp: 105201

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	142.6
176	68.9	0.0	141.6



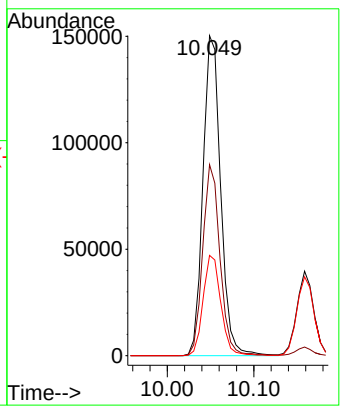


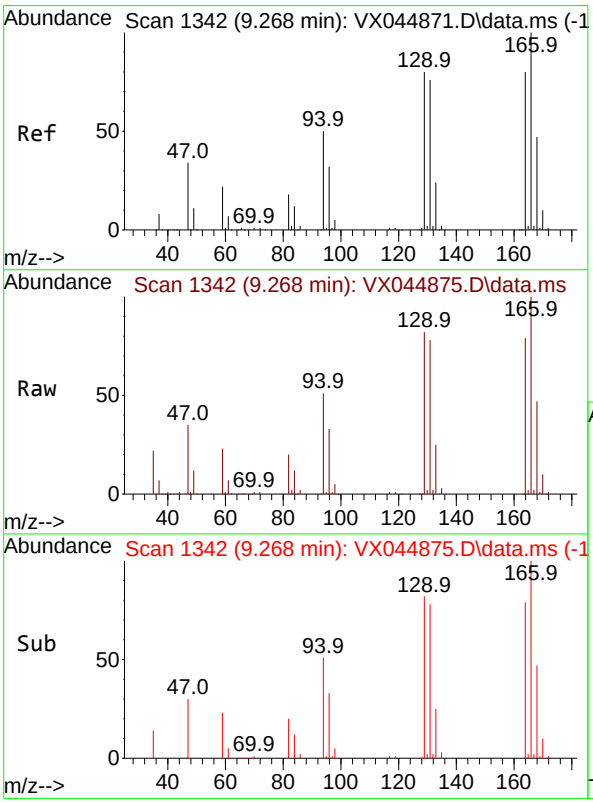
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:117 Resp: 213248

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.5	71.3
119	31.3	25.4	38.0

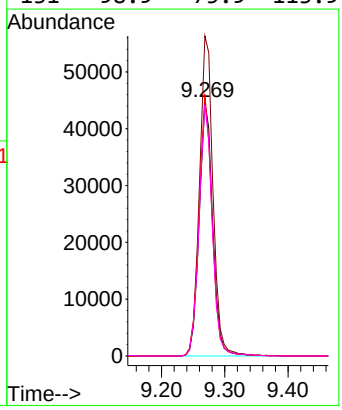


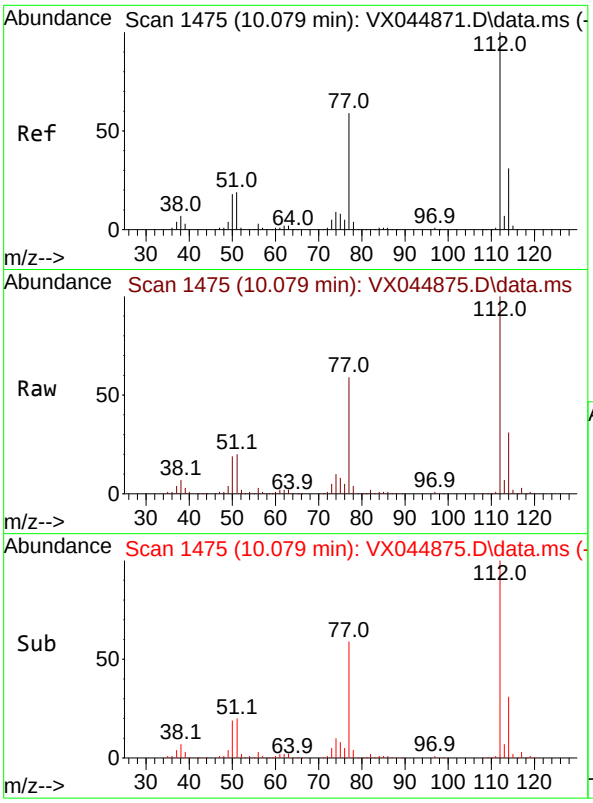


#64
Tetrachloroethene
Concen: 49.424 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:164 Resp: 66468

Ion	Ratio	Lower	Upper
164	100		
166	126.1	100.4	150.6
129	103.1	79.9	119.9
131	98.9	75.9	113.9



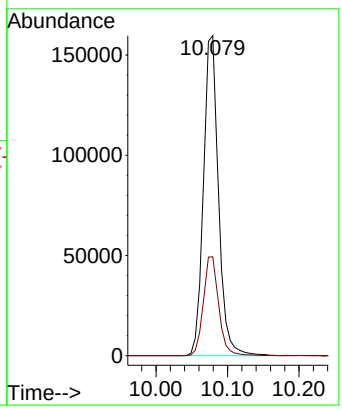


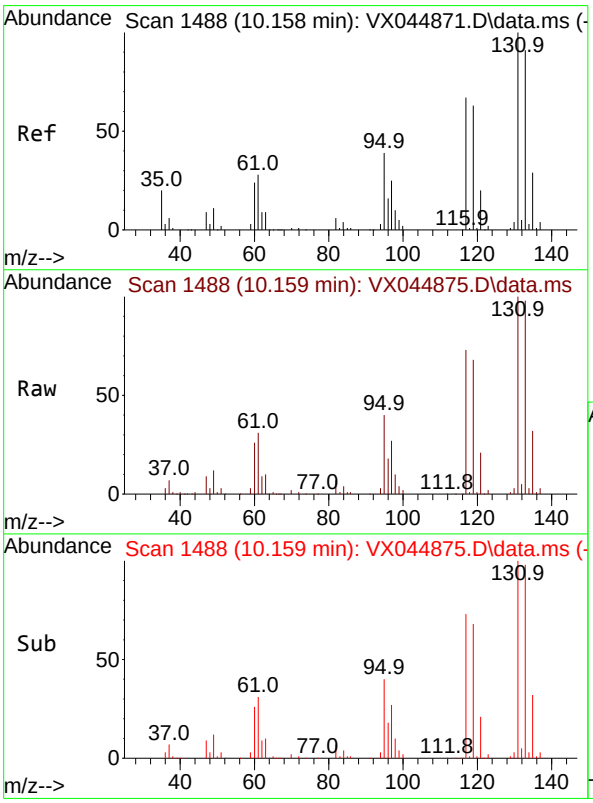
#65
Chlorobenzene
Concen: 50.952 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:112 Resp: 233373

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

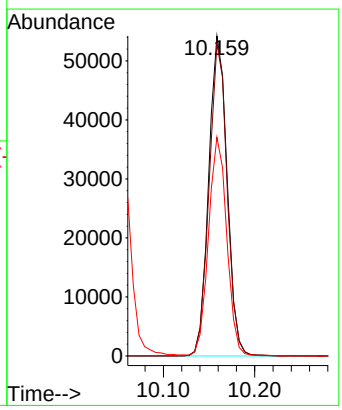


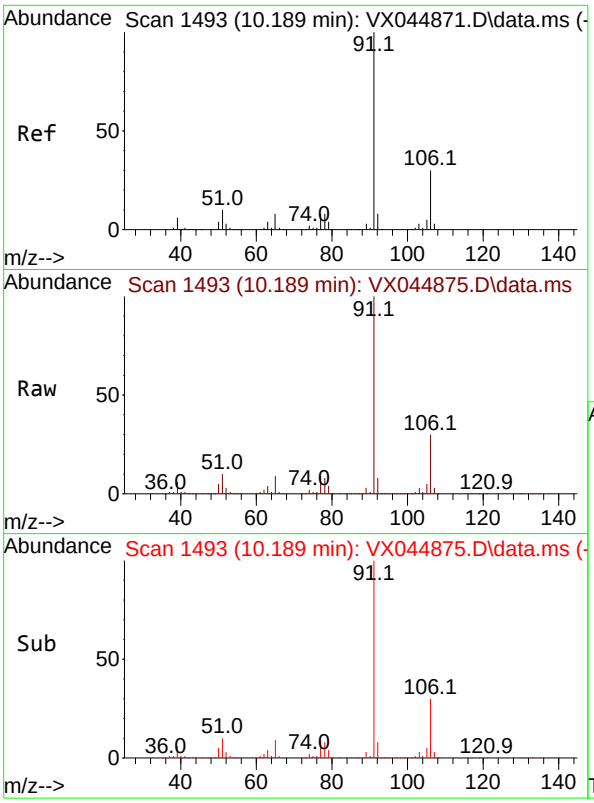


#66
1,1,1,2-Tetrachloroethane
Concen: 51.205 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:131 Resp: 75488

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.1	141.3
119	68.2	33.6	100.6



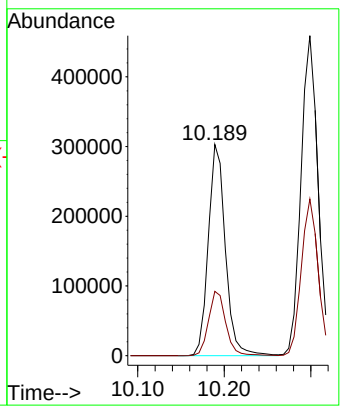


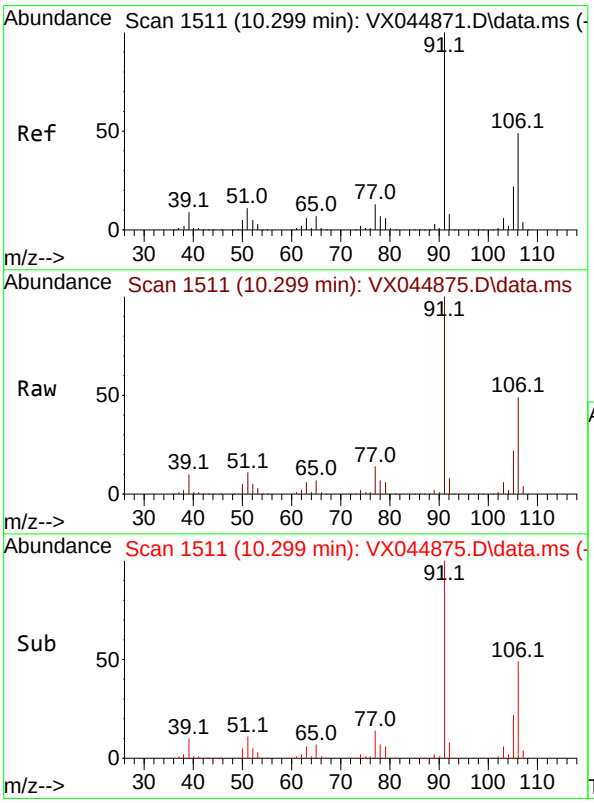
#67
Ethyl Benzene
Concen: 51.415 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 91 Resp: 415575

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

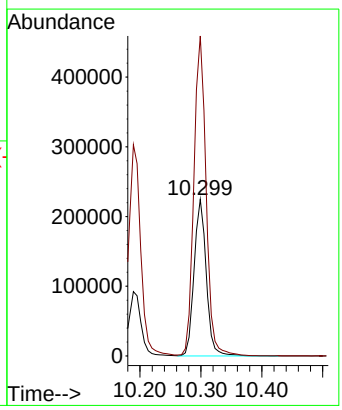


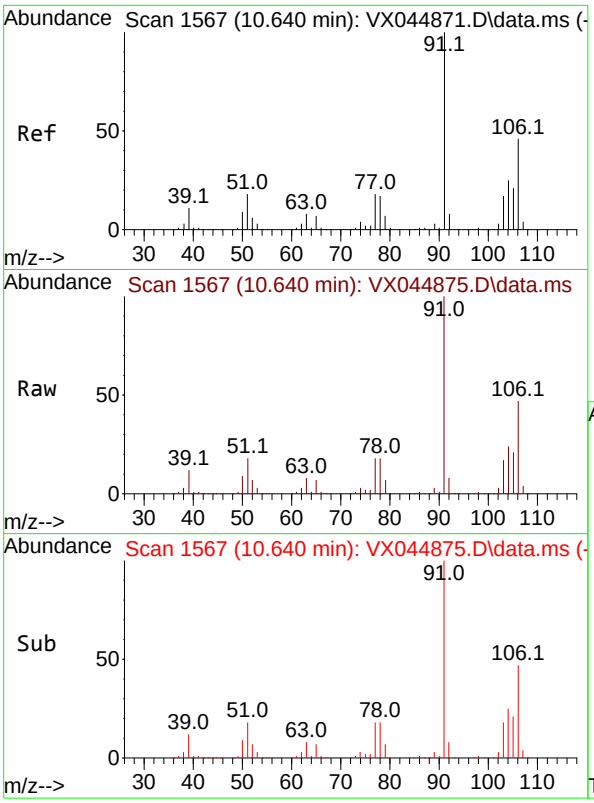


#68
m/p-Xylenes
Concen: 104.282 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:106 Resp: 310925

Ion	Ratio	Lower	Upper
106	100		
91	205.2	164.3	246.5



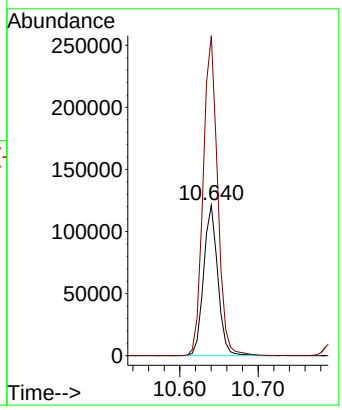


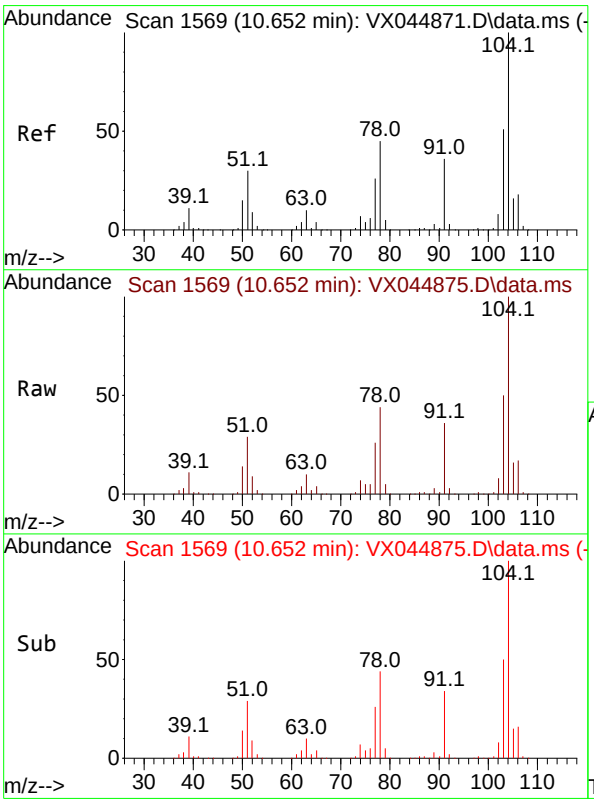
#69
o-Xylene
Concen: 50.804 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:106 Resp: 151995

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.5	325.5

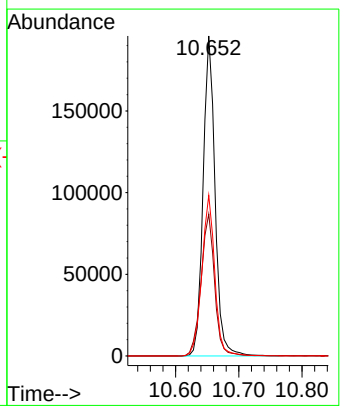


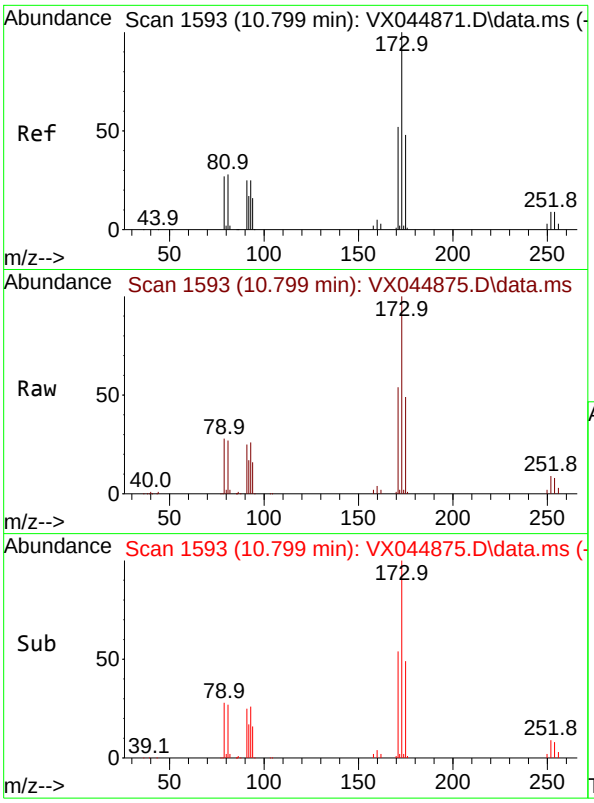


#70
Styrene
Concen: 53.521 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:104 Resp: 257972

Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.5	60.7
103	54.5	43.6	65.4



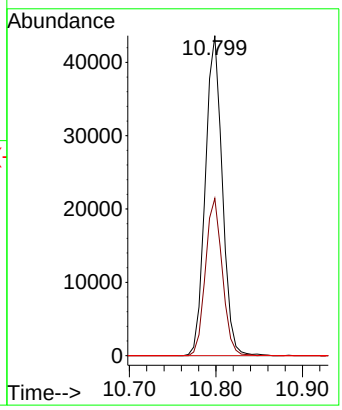


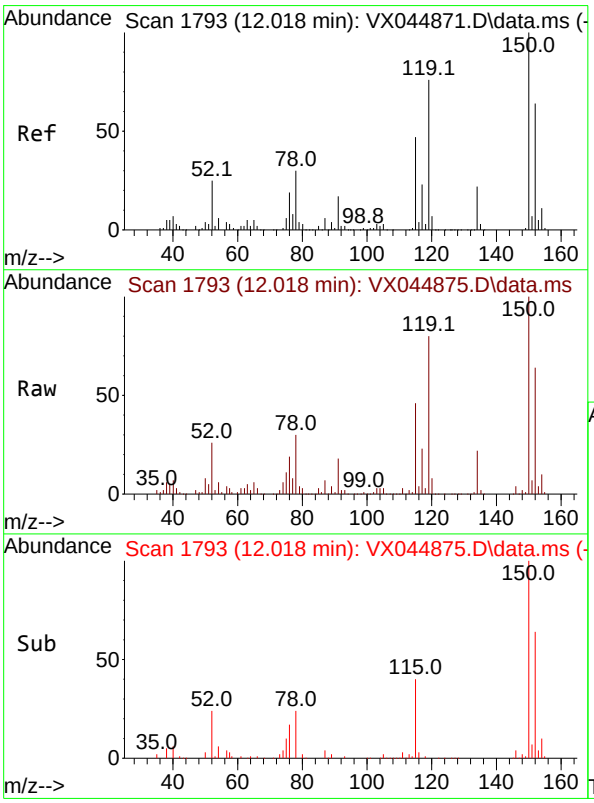
#71
Bromoform
Concen: 53.997 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:173 Resp: 59409

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.0	0.0	0.0

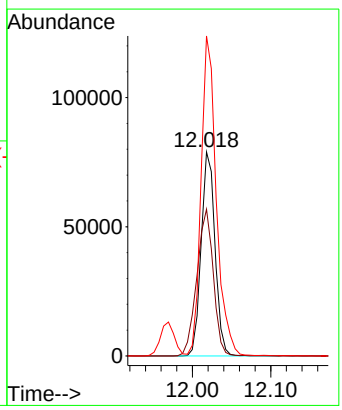


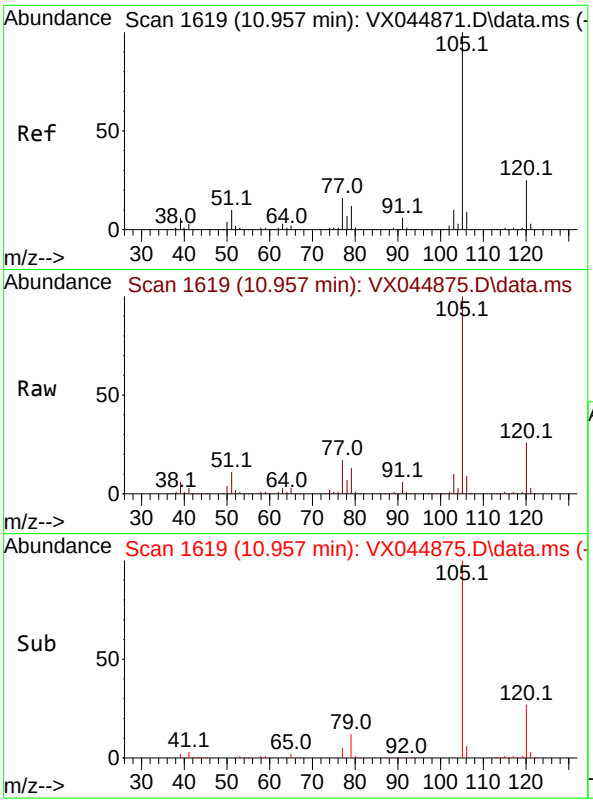


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:152 Resp: 97087

Ion	Ratio	Lower	Upper
152	100		
115	85.5	43.4	130.1
150	171.8	0.0	350.4



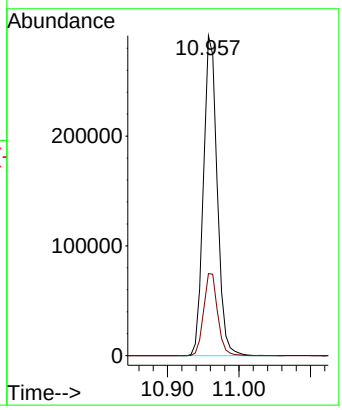


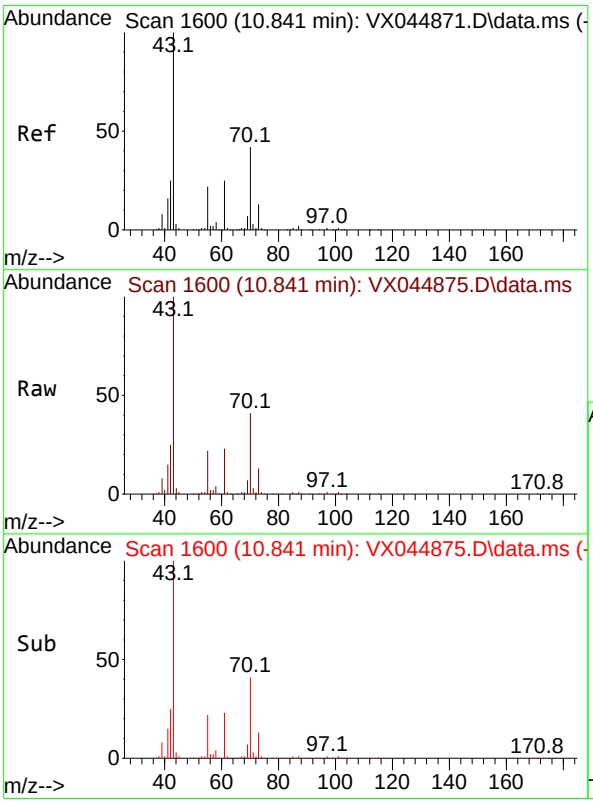
#73
Isopropylbenzene
Concen: 49.921 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:105 Resp: 390246

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5

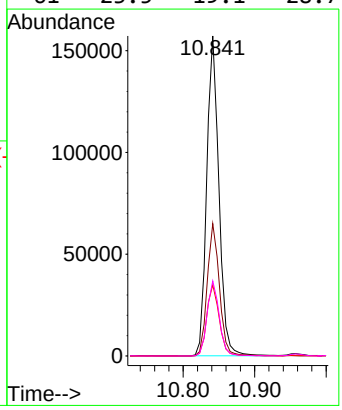


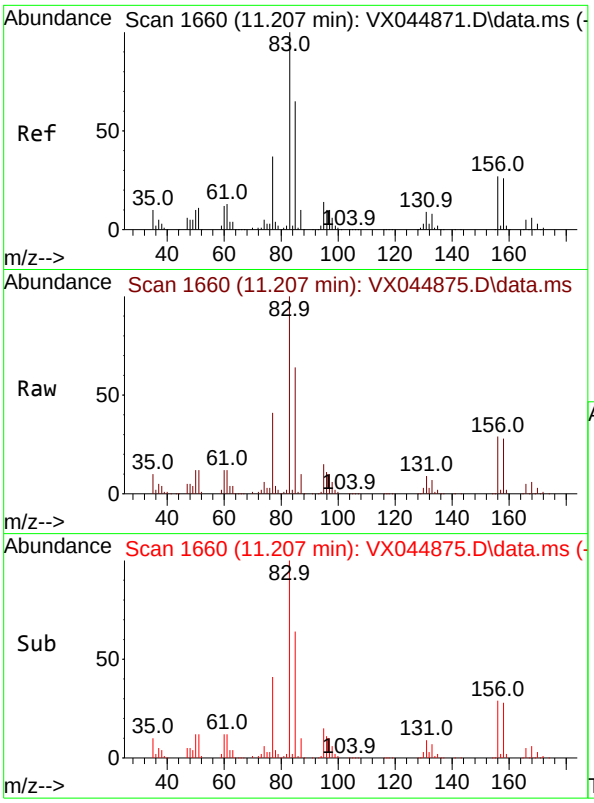


#74
N-amyl acetate
Concen: 52.621 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 186145

Ion	Ratio	Lower	Upper
43	100		
70	41.4	33.7	50.5
55	22.8	18.6	27.8
61	23.5	19.1	28.7



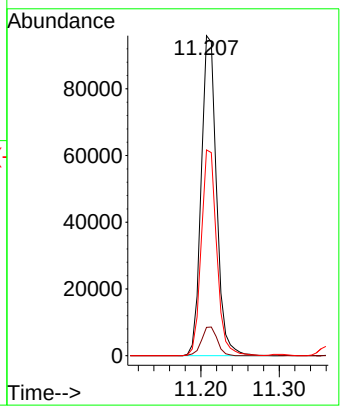


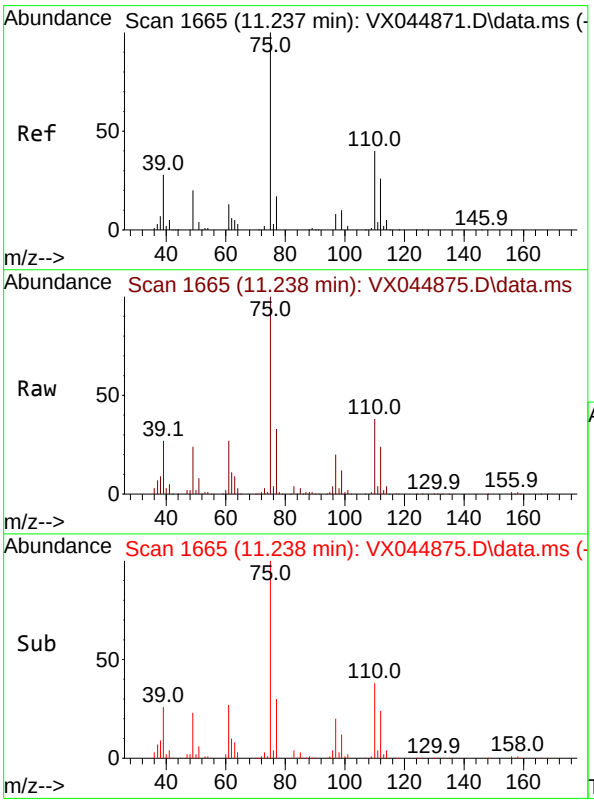
#75
1,1,2,2-Tetrachloroethane
Concen: 48.331 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 83 Resp: 129829

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.5
85	65.1	32.3	96.8

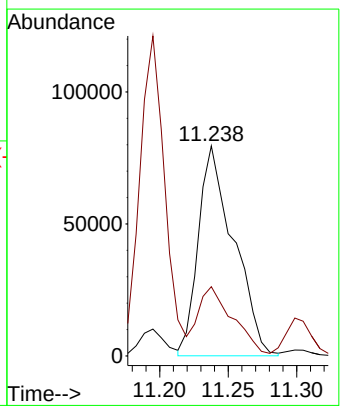


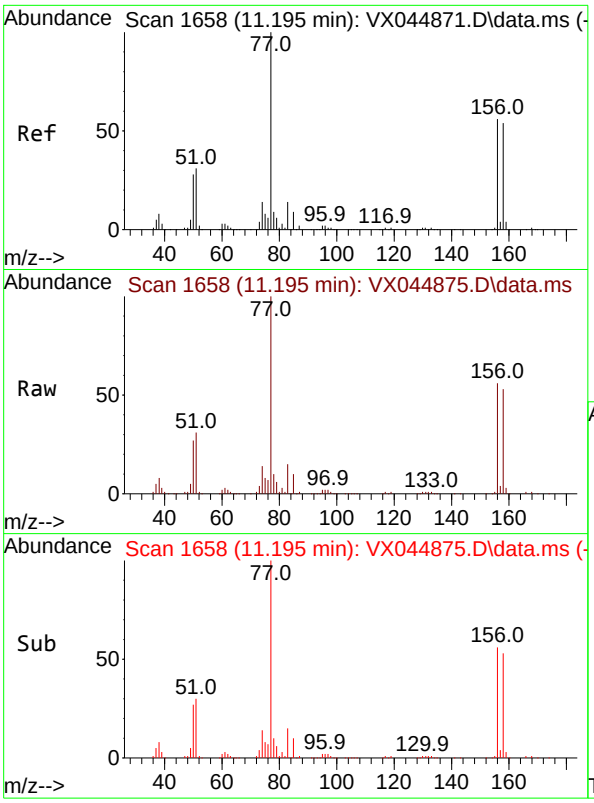


#76
1,2,3-Trichloropropane
Concen: 66.510 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 143167

Ion	Ratio	Lower	Upper
75	100		
77	32.6	21.9	65.7



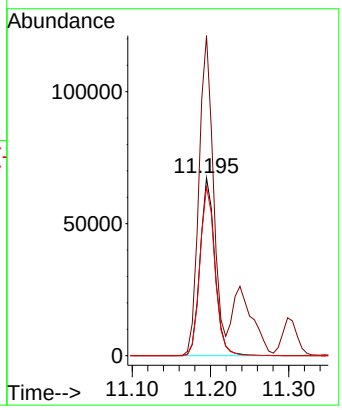


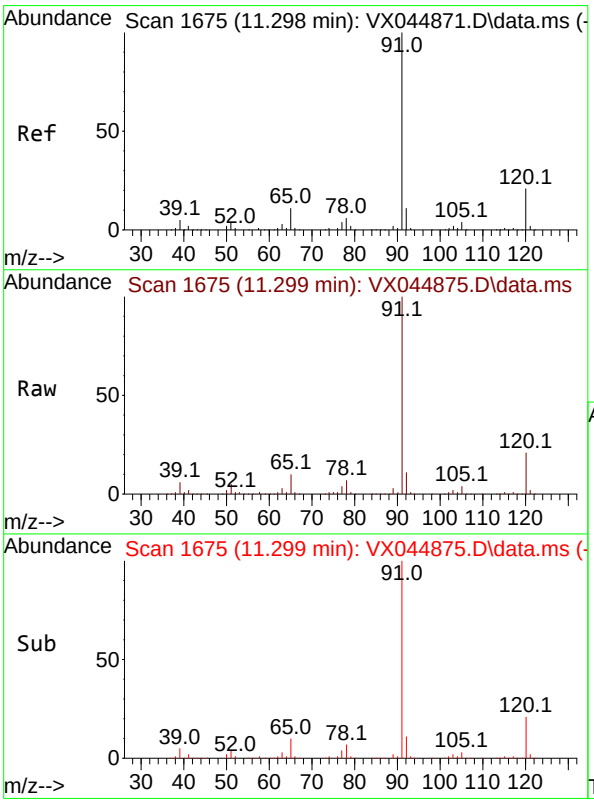
#77
Bromobenzene
Concen: 49.725 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:156 Resp: 88129

Ion	Ratio	Lower	Upper
156	100		
77	176.3	88.4	265.3
158	96.7	48.4	145.2

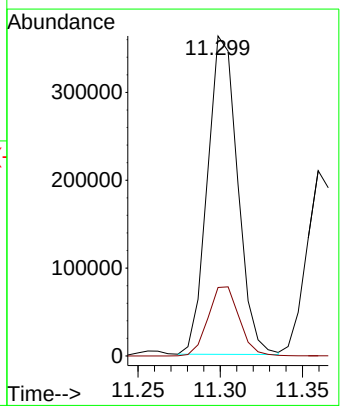


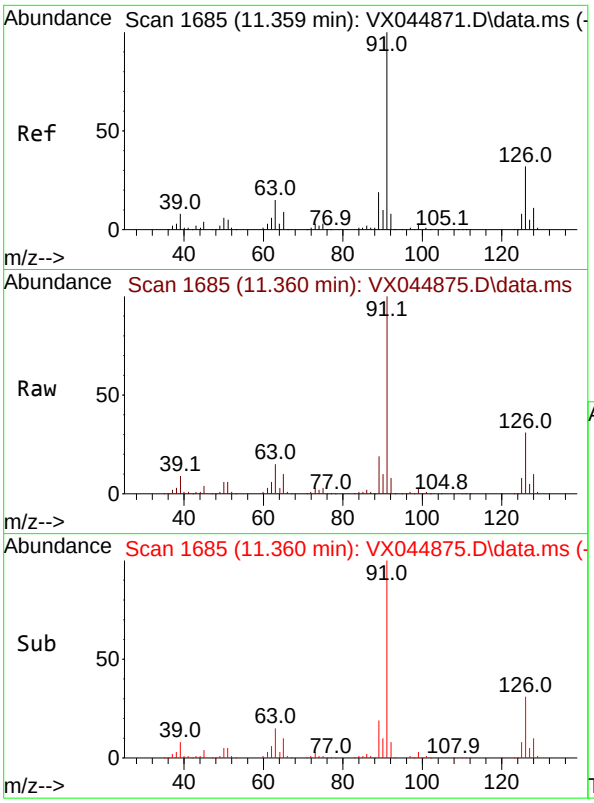


#78
n-propylbenzene
Concen: 51.386 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 463655

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3



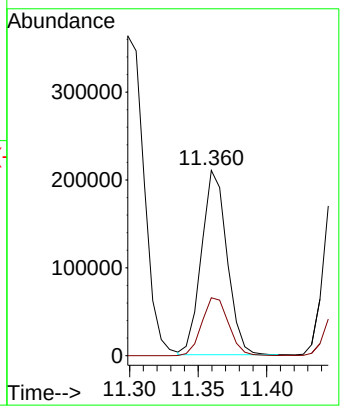


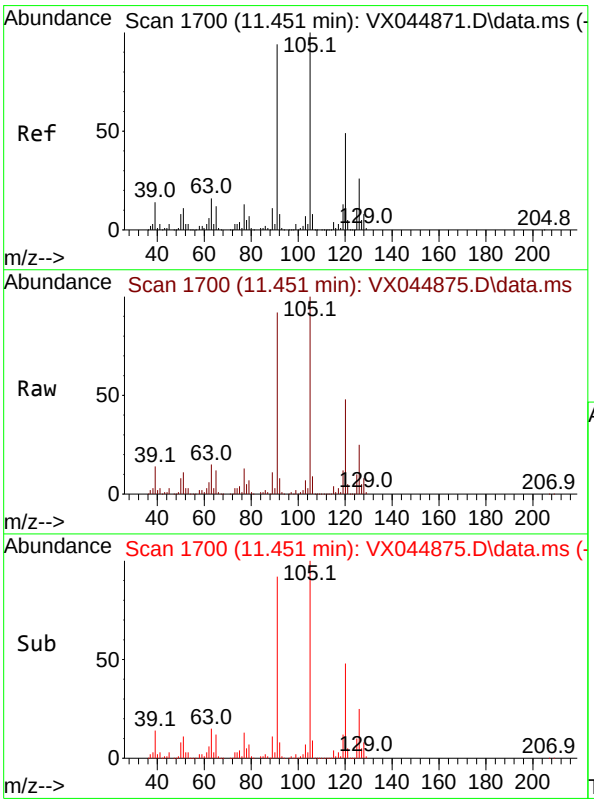
#79
2-Chlorotoluene
Concen: 49.065 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 91 Resp: 272091

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.2	48.6

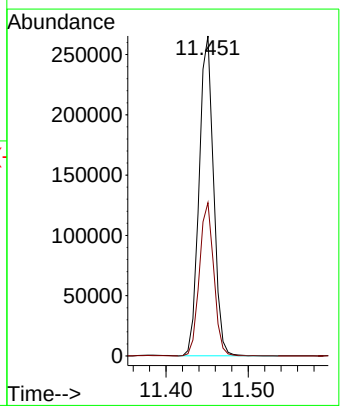


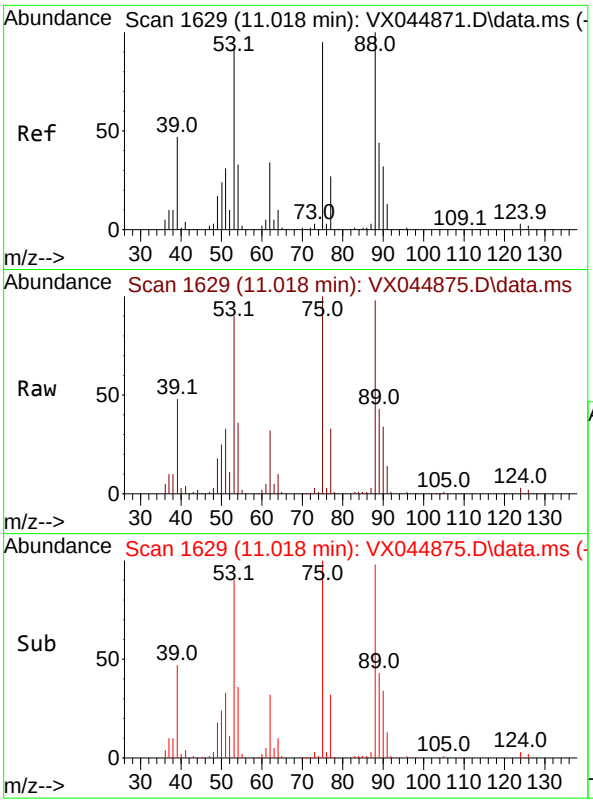


#80
1,3,5-Trimethylbenzene
Concen: 50.956 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 323251

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0



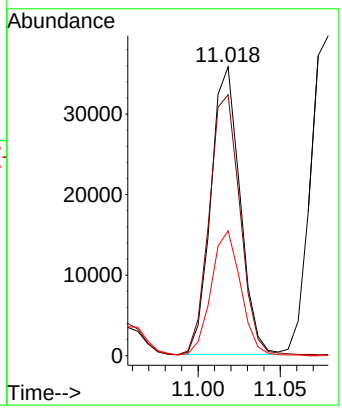


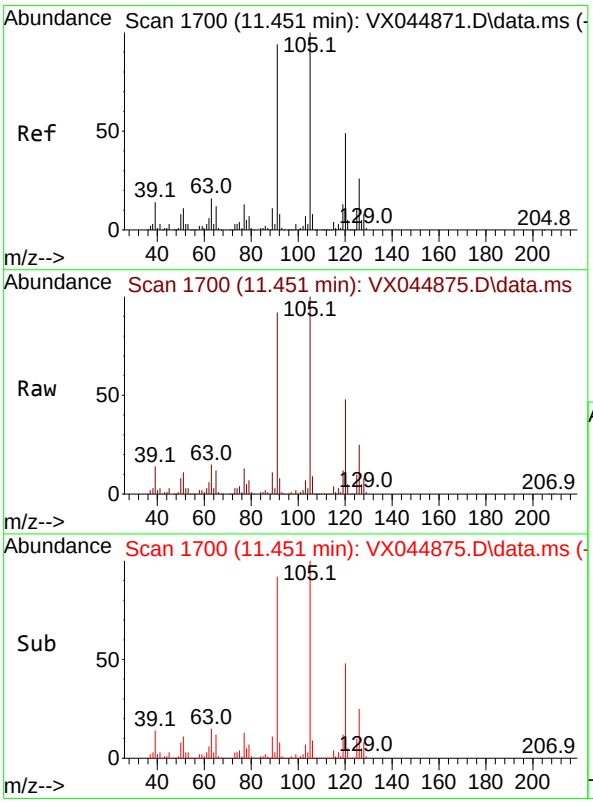
#81
trans-1,4-Dichloro-2-butene
Concen: 52.665 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 75 Resp: 44070

Ion	Ratio	Lower	Upper
75	100		
53	96.9	78.0	117.0
89	44.3	36.6	54.8

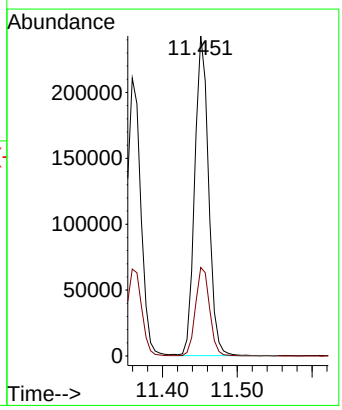


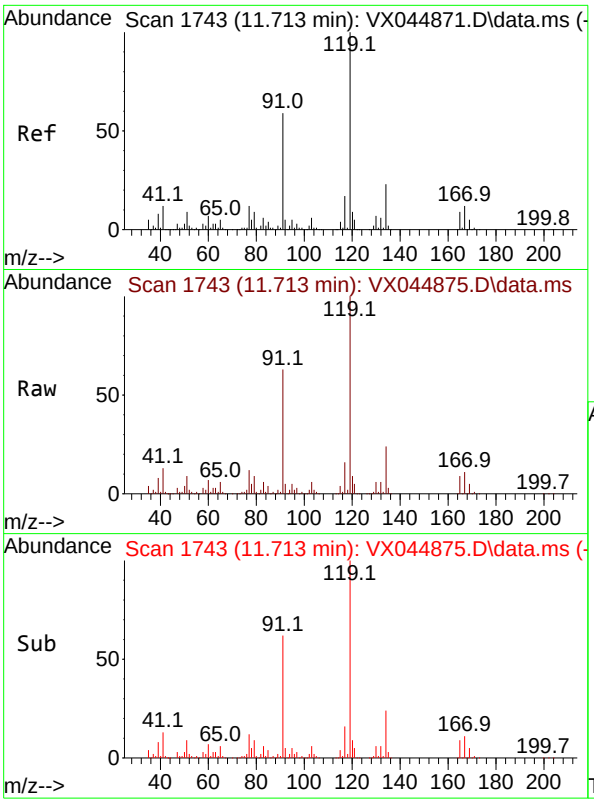


#82
4-Chlorotoluene
Concen: 50.872 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 312112

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.2	42.6



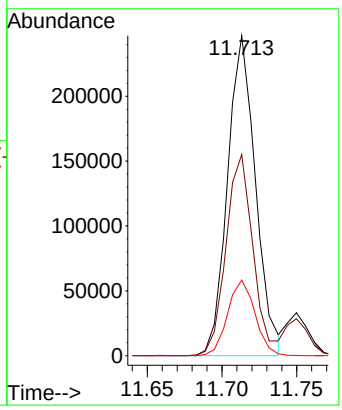


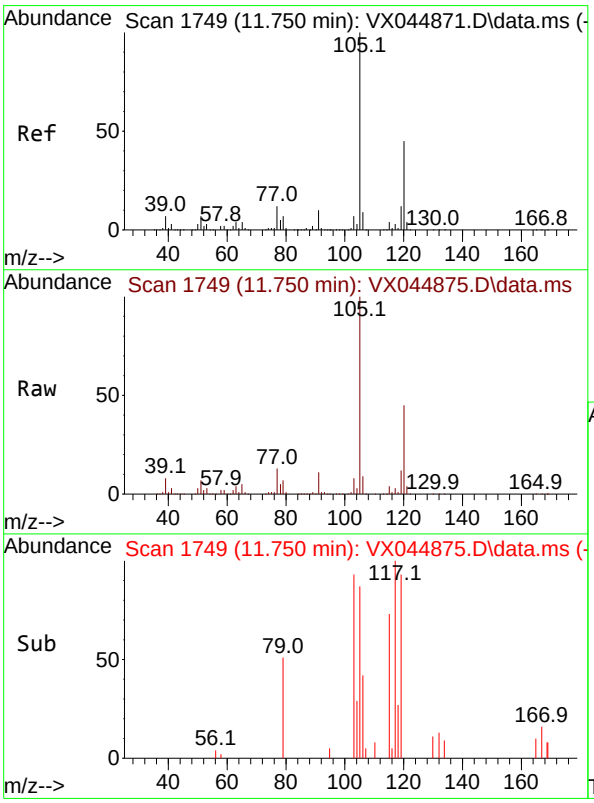
#83
tert-Butylbenzene
Concen: 50.139 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:119 Resp: 321772

Ion	Ratio	Lower	Upper
119	100		
91	60.7	29.1	87.4
134	23.0	11.5	34.5

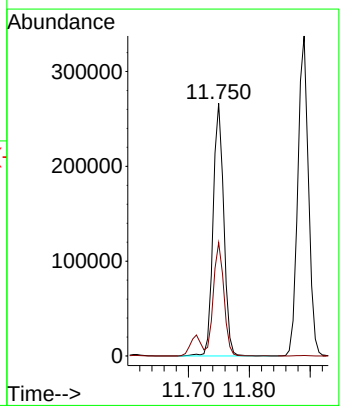


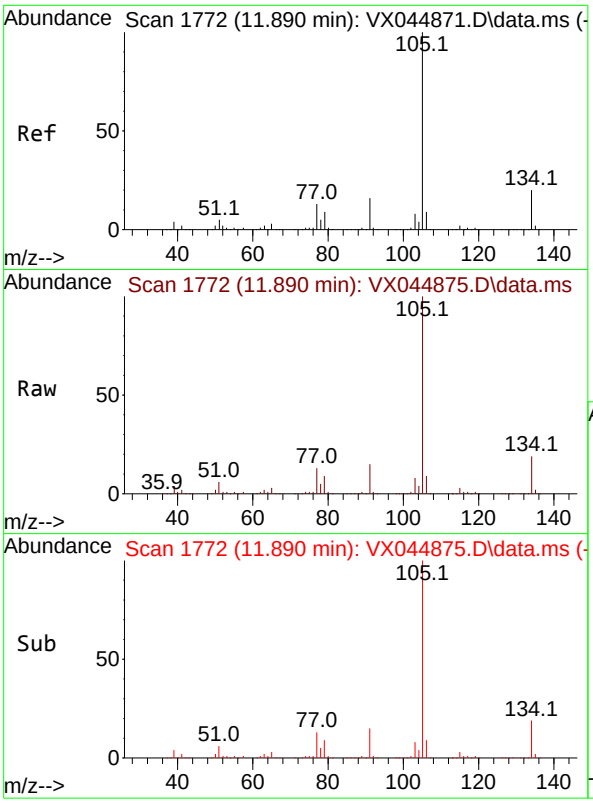


#84
1,2,4-Trimethylbenzene
Concen: 51.593 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 323035

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.0



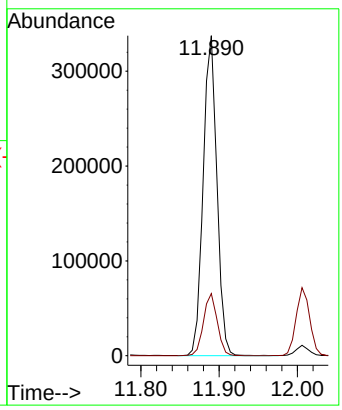


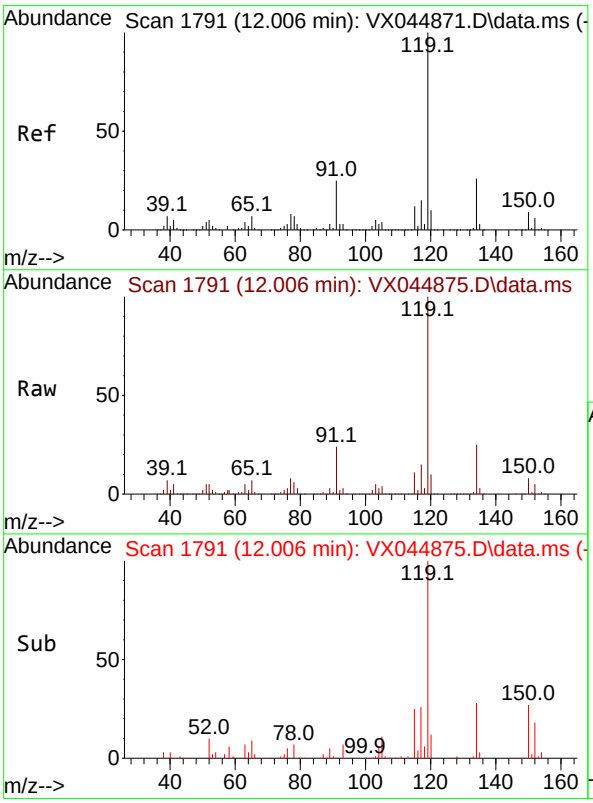
#85
sec-Butylbenzene
Concen: 51.617 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:105 Resp: 410197

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

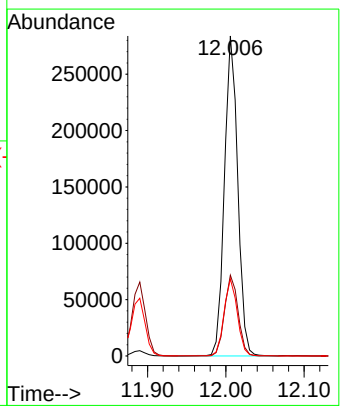


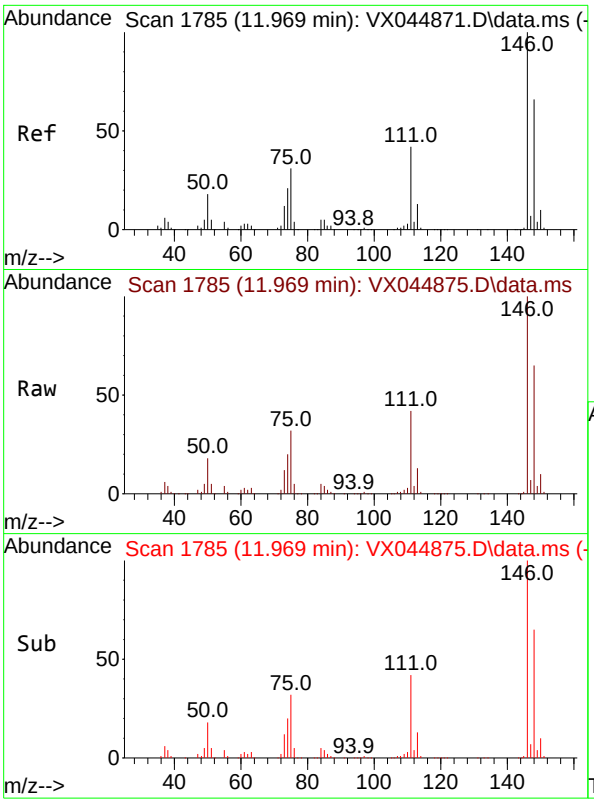


#86
p-Isopropyltoluene
Concen: 52.581 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:119 Resp: 336027

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.0	12.1	36.3



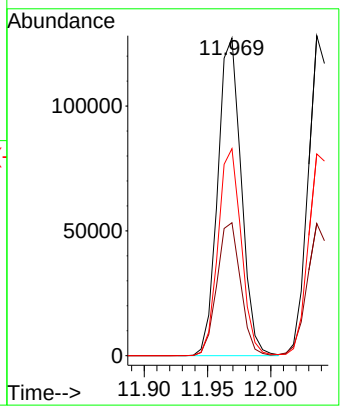


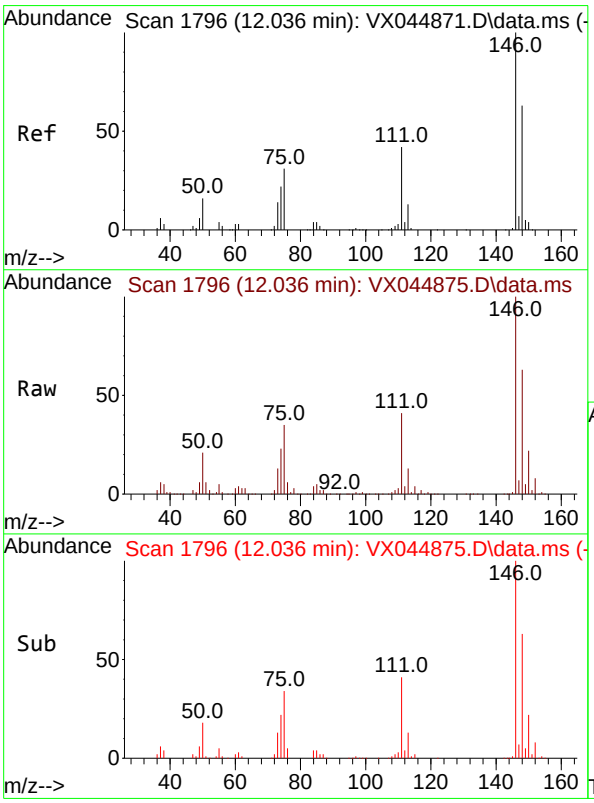
#87
1,3-Dichlorobenzene
Concen: 50.475 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:146 Resp: 164508

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	64.3	32.5	97.5

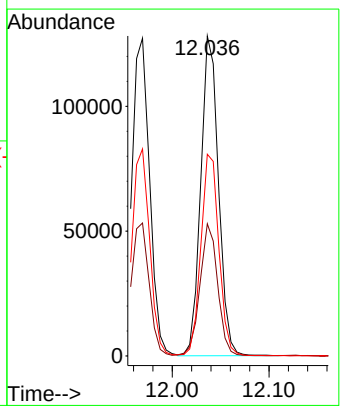


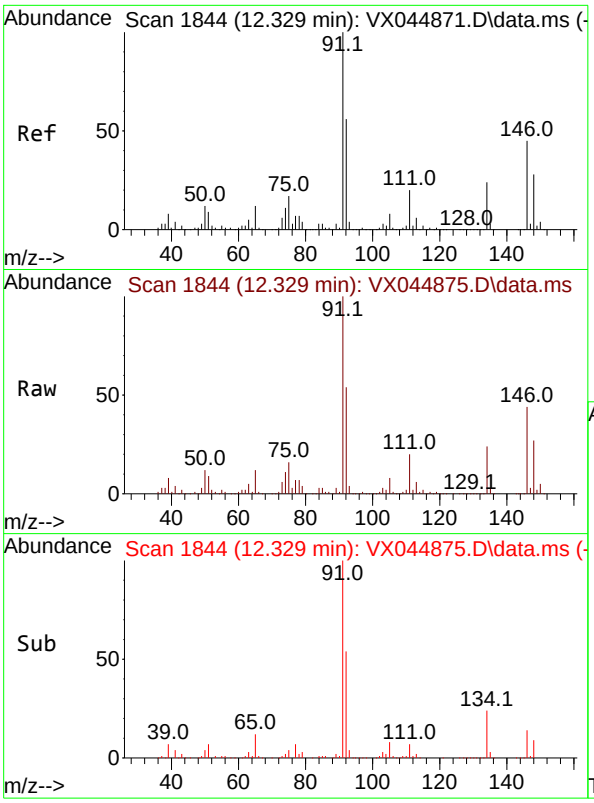


#88
1,4-Dichlorobenzene
Concen: 49.526 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:146 Resp: 163203

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.3
148	64.2	32.0	96.0



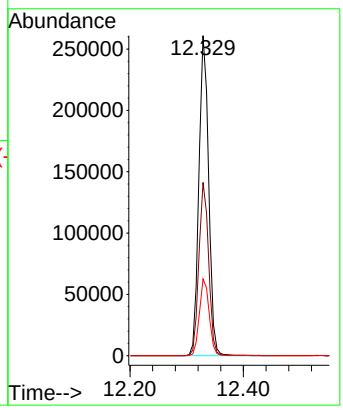


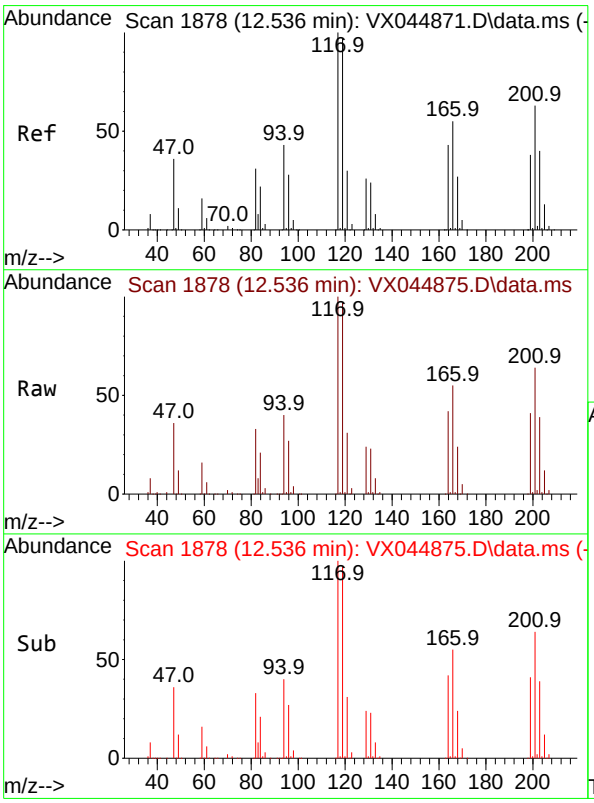
#89
n-Butylbenzene
Concen: 55.142 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 91 Resp: 311764

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.2	81.6
134	24.1	12.1	36.3

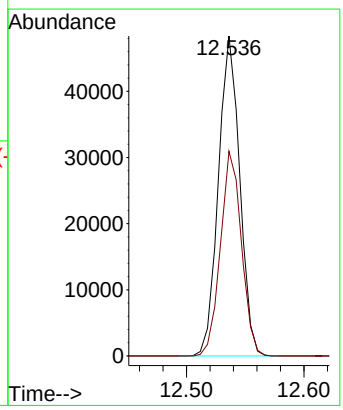


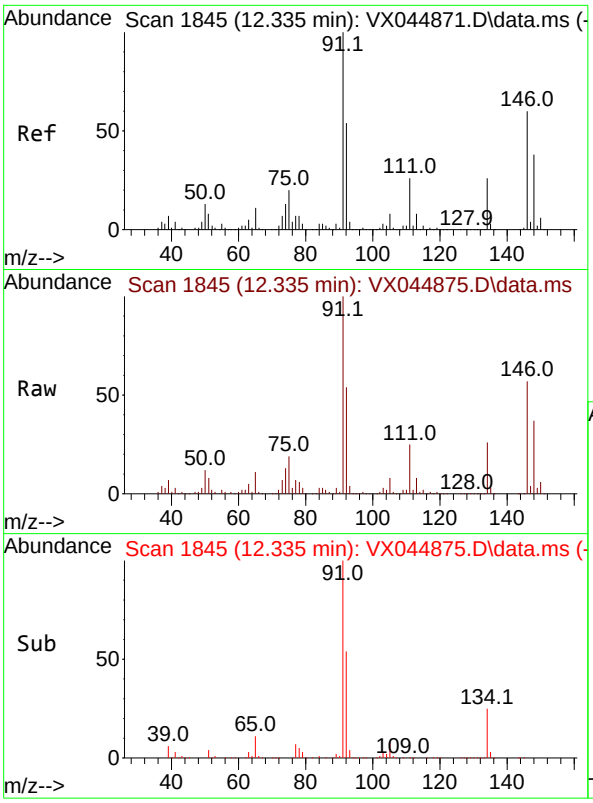


#90
Hexachloroethane
Concen: 50.990 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:117 Resp: 61016

Ion	Ratio	Lower	Upper
117	100		
201	63.1	32.5	97.5



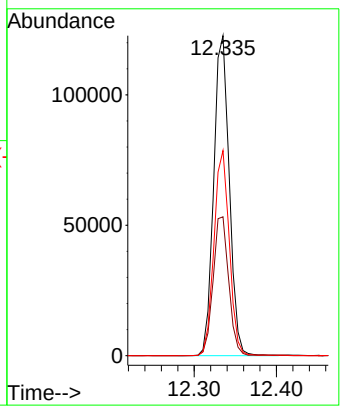


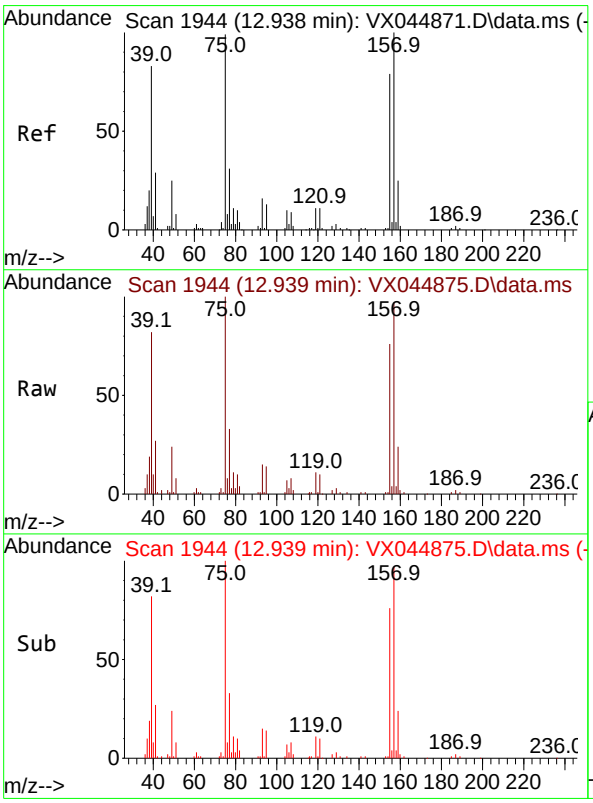
#91
1,2-Dichlorobenzene
Concen: 50.447 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:146 Resp: 161590

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.3	31.9	95.9

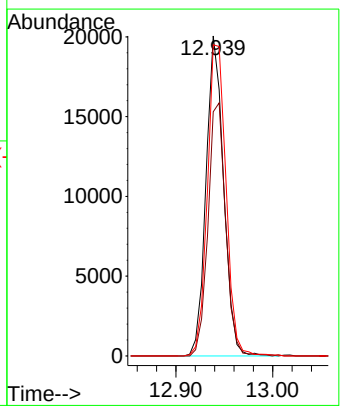


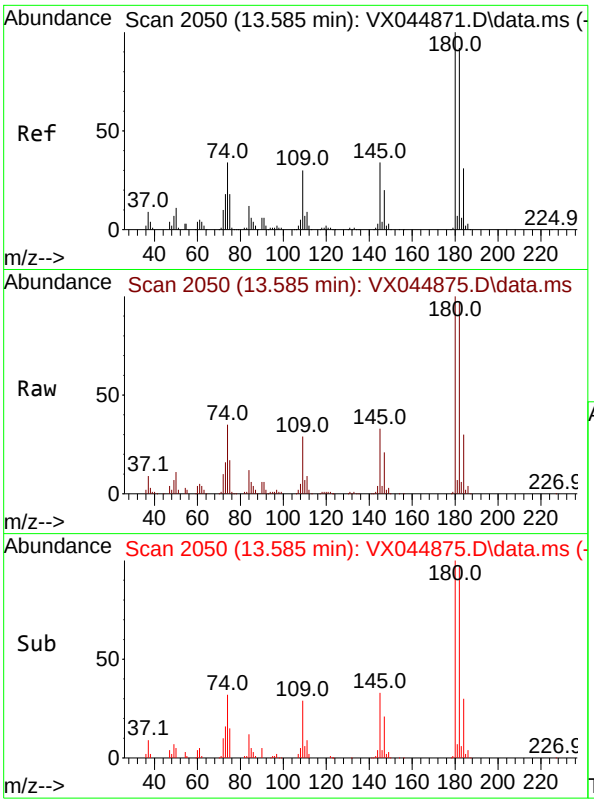


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.684 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 25339

Ion	Ratio	Lower	Upper
75	100		
155	79.5	40.5	121.4
157	103.5	51.4	154.3



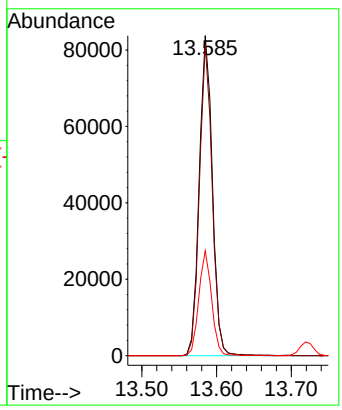


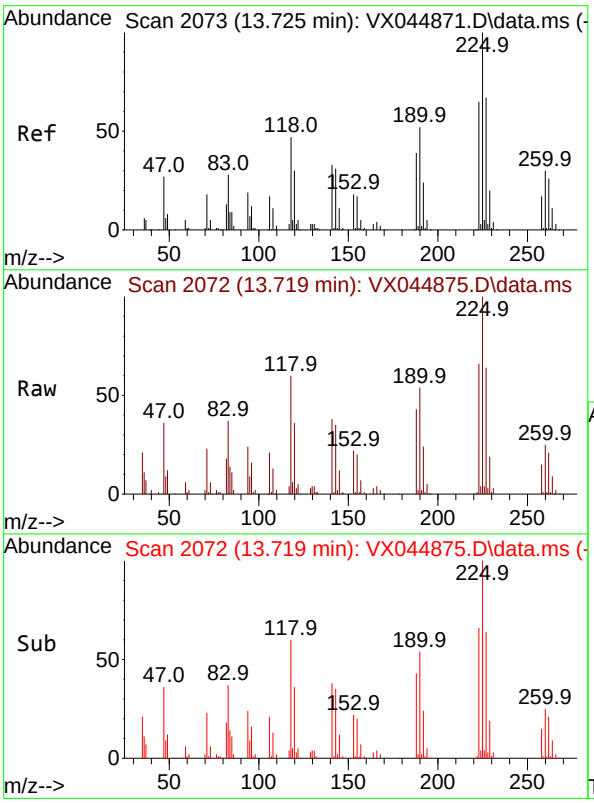
#93
1,2,4-Trichlorobenzene
Concen: 52.726 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:180 Resp: 102197

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.8
145	31.9	16.4	49.1

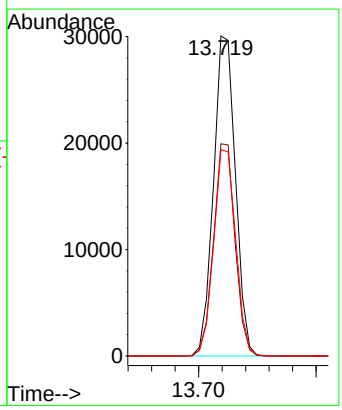


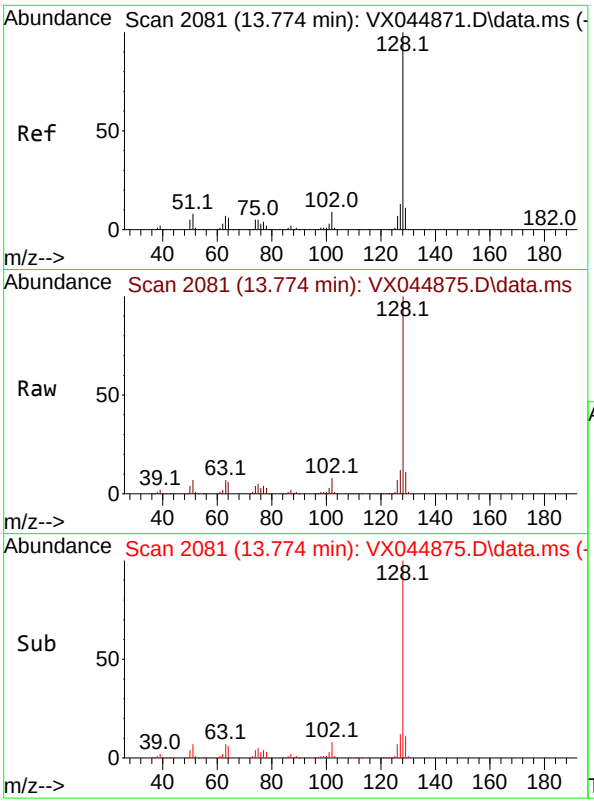


#94
Hexachlorobutadiene
Concen: 50.683 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:225 Resp: 38998

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.4	94.2
227	64.8	32.3	96.8



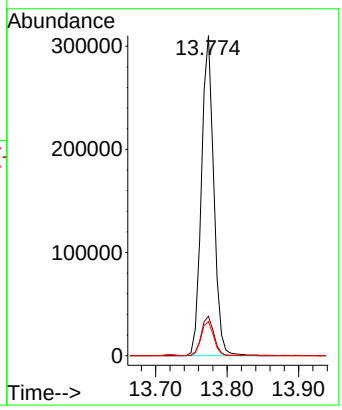


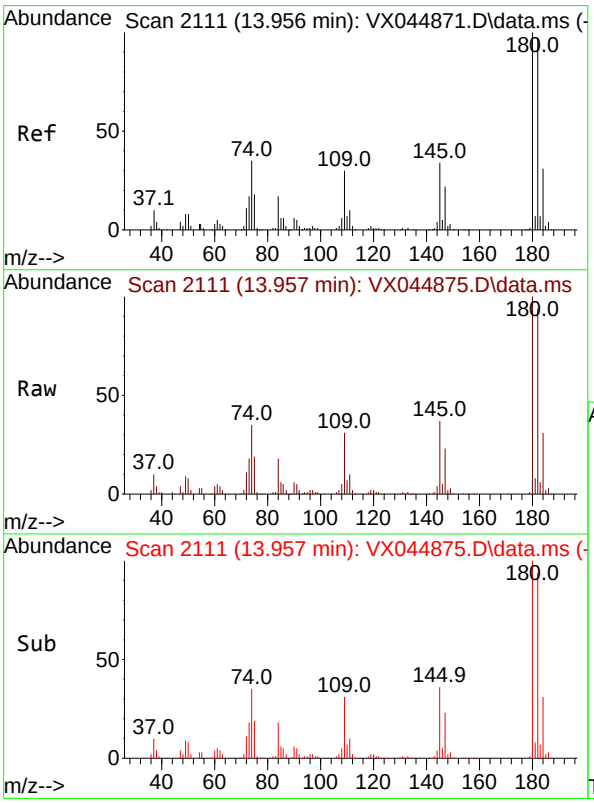
#95
Naphthalene
Concen: 53.033 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:128 Resp: 371576

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.9	13.3

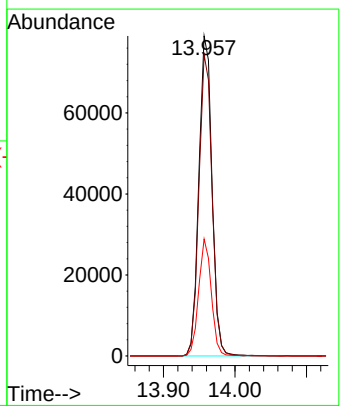




#96
1,2,3-Trichlorobenzene
Concen: 51.575 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:180 Resp: 100730

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.6
145	35.2	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	110252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	188741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	166334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81234	50.334	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.660%			
35) Dibromofluoromethane	5.379	113	65753	53.583	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.160%			
50) Toluene-d8	8.641	98	233128	50.240	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.480%			
62) 4-Bromofluorobenzene	11.079	95	84075	53.745	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	74727	48.325	ug/l	100
3) Chloromethane	1.301	50	82134	43.641	ug/l	99
4) Vinyl Chloride	1.374	62	80701	44.262	ug/l	100
5) Bromomethane	1.593	94	27748	50.858	ug/l	89
6) Chloroethane	1.660	64	38111	54.935	ug/l	99
7) Trichlorofluoromethane	1.868	101	113846	49.375	ug/l	98
8) Diethyl Ether	2.130	74	41033	49.070	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	68044	48.843	ug/l	98
10) Methyl Iodide	2.441	142	66987	37.102	ug/l	99
11) Tert butyl alcohol	2.983	59	72655	242.666	ug/l	100
12) 1,1-Dichloroethene	2.307	96	65333	45.975	ug/l	97
13) Acrolein	2.233	56	42659	138.096	ug/l	98
14) Allyl chloride	2.654	41	122413	47.664	ug/l	98
15) Acrylonitrile	3.062	53	212123	265.353	ug/l	99
16) Acetone	2.380	43	200478	308.999	ug/l	96
17) Carbon Disulfide	2.502	76	160258	41.125	ug/l	100
18) Methyl Acetate	2.703	43	120447	58.830	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	217452	48.094	ug/l	99
20) Methylene Chloride	2.782	84	74184	46.681	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	64190	45.895	ug/l	94
22) Diisopropyl ether	3.757	45	243471	50.110	ug/l	99
23) Vinyl Acetate	3.715	43	981588	247.805	ug/l	99
24) 1,1-Dichloroethane	3.599	63	131695	48.441	ug/l	99
25) 2-Butanone	4.550	43	299771	284.540	ug/l	95
26) 2,2-Dichloropropane	4.465	77	99566	46.181	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	79480	47.310	ug/l	99
28) Bromochloromethane	4.885	49	55002	42.098	ug/l	100
29) Tetrahydrofuran	5.001	42	189117	270.334	ug/l	98
30) Chloroform	5.080	83	129019	48.935	ug/l	100
31) Cyclohexane	5.458	56	112320	44.815	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	107913	48.255	ug/l	99
36) 1,1-Dichloropropene	5.678	75	86064	48.612	ug/l	99
37) Ethyl Acetate	4.709	43	106808	54.239	ug/l	99
38) Carbon Tetrachloride	5.666	117	90290	52.043	ug/l	99
39) Methylcyclohexane	7.373	83	114932	50.213	ug/l	98
40) Benzene	6.025	78	275311	49.801	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	61810	58.641	ug/l		97
42) 1,2-Dichloroethane	6.080	62	95145	54.001	ug/l		99
43) Isopropyl Acetate	6.336	43	174923	55.008	ug/l		98
44) Trichloroethene	7.117	130	63990	50.640	ug/l		100
45) 1,2-Dichloropropane	7.421	63	70881	51.537	ug/l		100
46) Dibromomethane	7.574	93	49809	52.221	ug/l		98
47) Bromodichloromethane	7.818	83	101512	54.965	ug/l		97
48) Methyl methacrylate	7.690	41	85683	57.145	ug/l		97
49) 1,4-Dioxane	7.659	88	35652	1108.259	ug/l		98
51) 4-Methyl-2-Pentanone	8.568	43	582884	301.506	ug/l		98
52) Toluene	8.714	92	166447	50.555	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	97264	52.043	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	108760	52.194	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	67253	53.137	ug/l		99
56) Ethyl methacrylate	9.110	69	110482	54.048	ug/l		97
57) 1,3-Dichloropropane	9.305	76	115405	52.114	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	283740	282.696	ug/l		100
59) 2-Hexanone	9.427	43	432517	310.511	ug/l		97
60) Dibromochloromethane	9.519	129	74430	54.989	ug/l		100
61) 1,2-Dibromoethane	9.604	107	68951	53.751	ug/l		97
64) Tetrachloroethene	9.269	164	52979	50.505	ug/l		97
65) Chlorobenzene	10.073	112	182394	51.053	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	60454	52.573	ug/l		99
67) Ethyl Benzene	10.189	91	320501	50.837	ug/l		100
68) m/p-Xylenes	10.299	106	239374	102.928	ug/l		99
69) o-Xylene	10.640	106	119076	51.027	ug/l		98
70) Styrene	10.653	104	199603	53.091	ug/l		98
71) Bromoform	10.799	173	49483	57.661	ug/l	#	100
73) Isopropylbenzene	10.957	105	306035	49.541	ug/l		100
74) N-amyl acetate	10.842	43	147566	52.789	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	107060	50.435	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	115468	67.883	ug/l		83
77) Bromobenzene	11.195	156	71839	51.295	ug/l		97
78) n-propylbenzene	11.299	91	358862	50.330	ug/l		100
79) 2-Chlorotoluene	11.360	91	216519	49.409	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	253369	50.543	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	31017	46.906	ug/l		92
82) 4-Chlorotoluene	11.451	91	243811	50.290	ug/l		99
83) tert-Butylbenzene	11.713	119	257768	50.829	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	255246	51.588	ug/l		99
85) sec-Butylbenzene	11.890	105	322972	51.431	ug/l		100
86) p-Isopropyltoluene	12.006	119	265185	52.511	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	130550	50.690	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	130623	50.162	ug/l		99
89) n-Butylbenzene	12.329	91	241837	54.129	ug/l		100
90) Hexachloroethane	12.536	117	47494	50.227	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	131390	51.908	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21216	54.762	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	82426	53.815	ug/l		99
94) Hexachlorobutadiene	13.725	225	33272	54.720	ug/l		98
95) Naphthalene	13.774	128	297344	53.704	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	83085	53.834	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

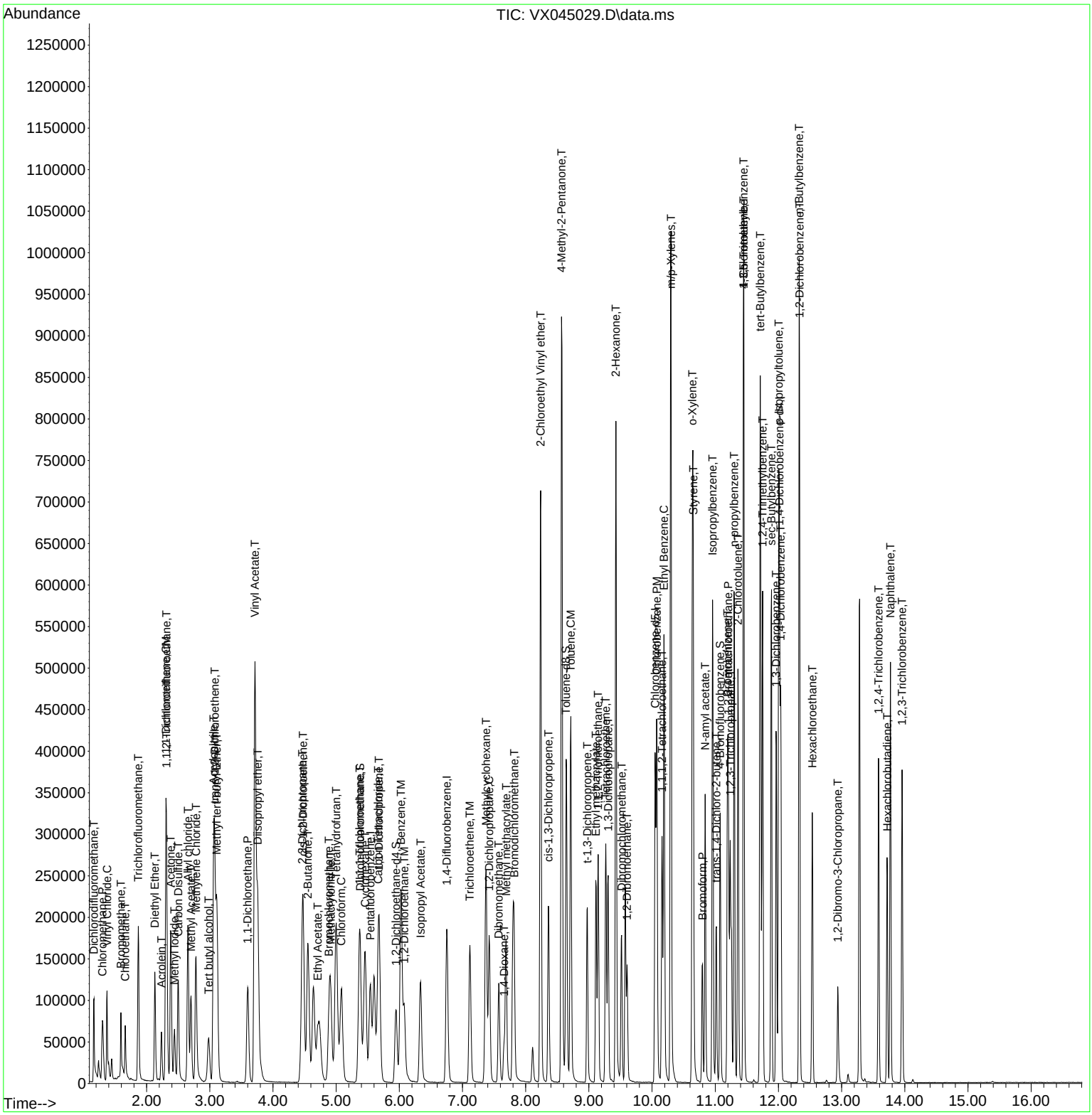
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

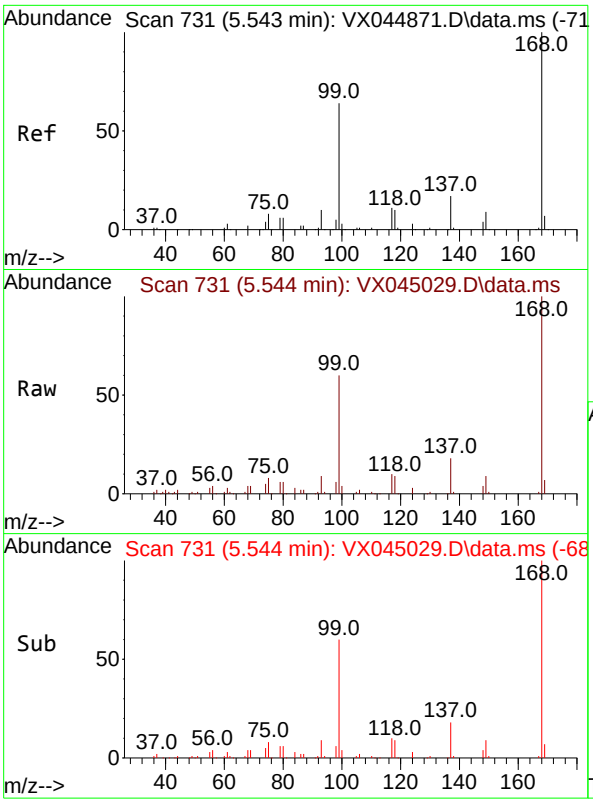
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



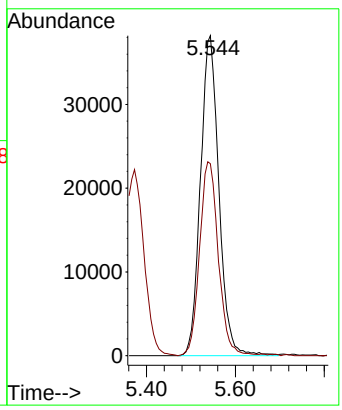


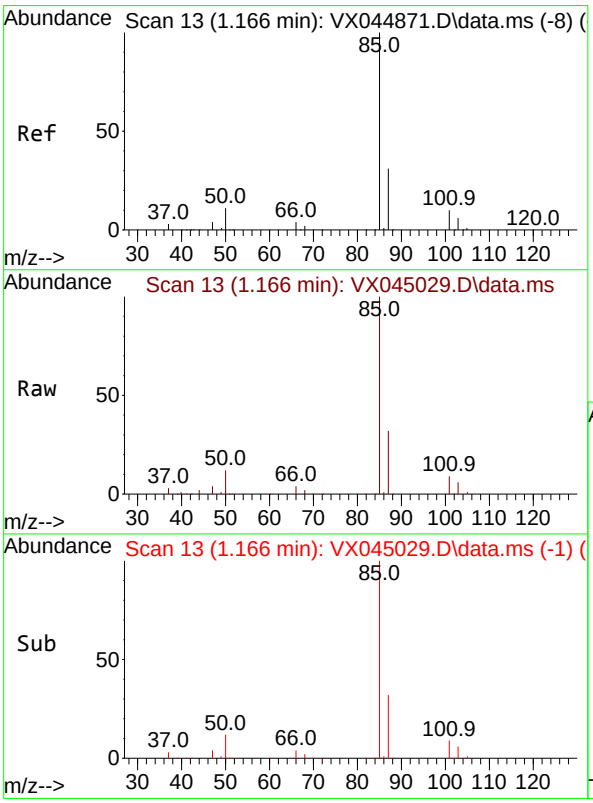
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 110252

Ion	Ratio	Lower	Upper
168	100		
99	60.0	51.2	76.8

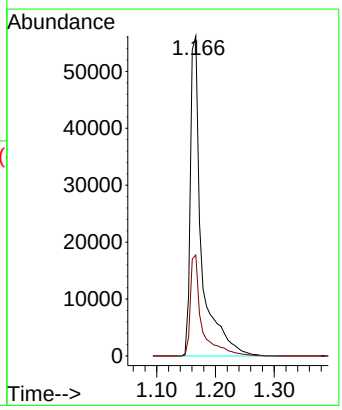


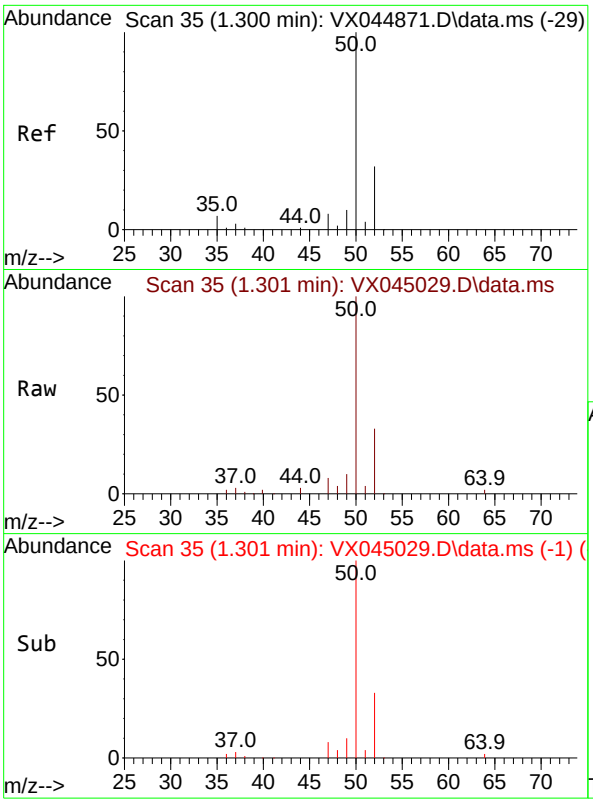


#2
Dichlorodifluoromethane
Concen: 48.325 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 85 Resp: 74727

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



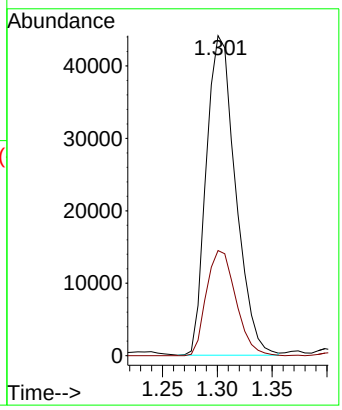


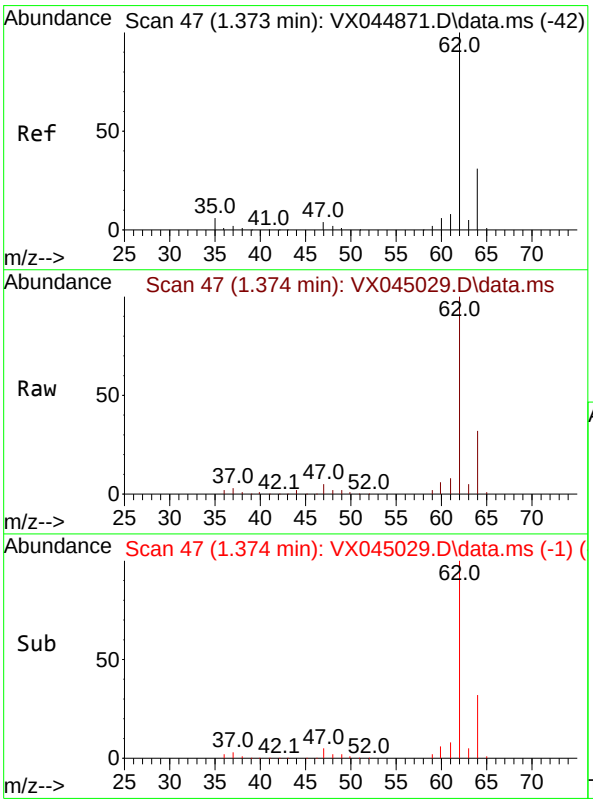
#3
Chloromethane
Concen: 43.641 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 82134

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.9	38.9

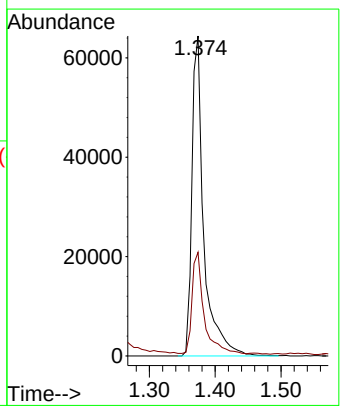


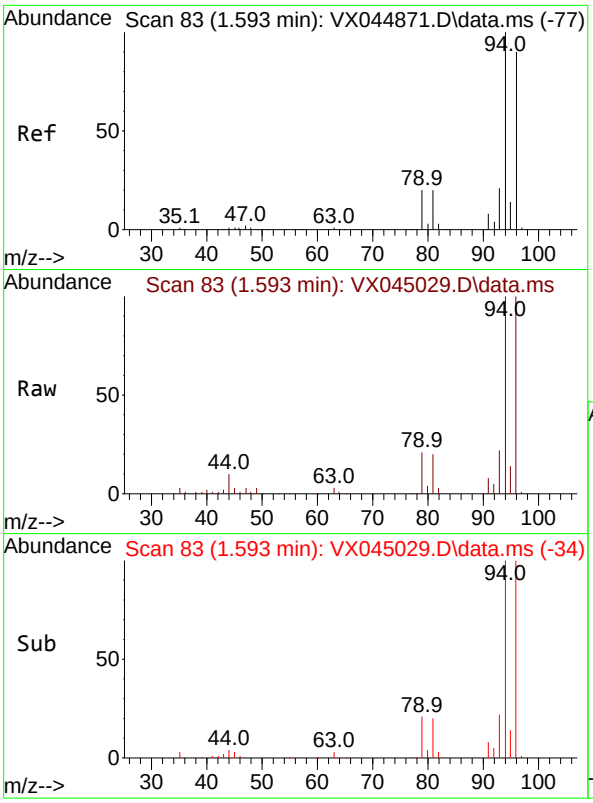


#4
Vinyl Chloride
Concen: 44.262 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 62 Resp: 80701

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0



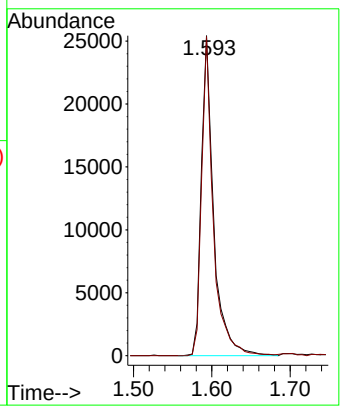


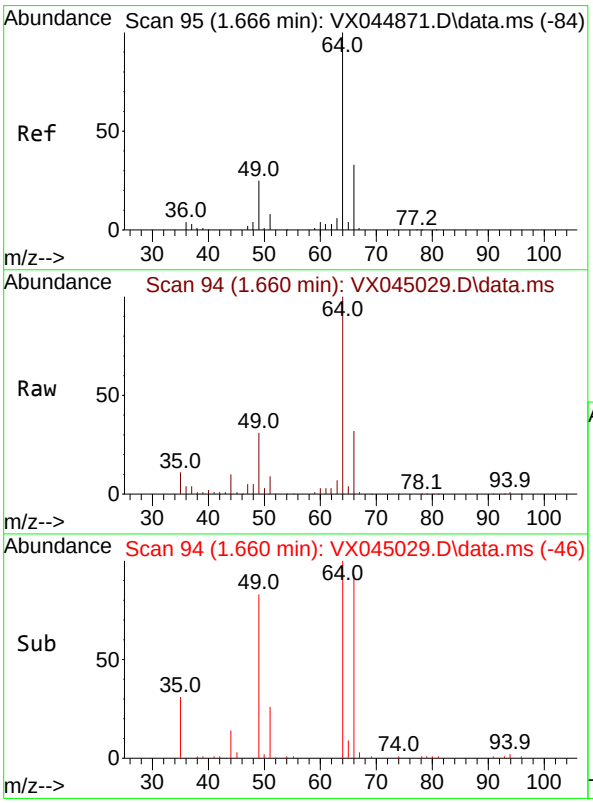
#5
Bromomethane
Concen: 50.858 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 27748

Ion	Ratio	Lower	Upper
94	100		
96	99.7	71.6	107.4

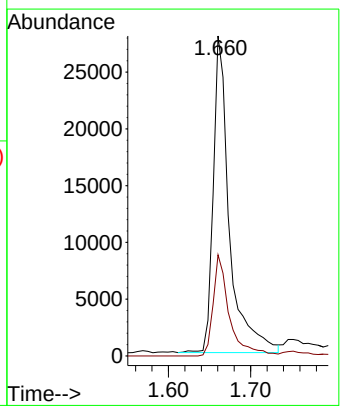


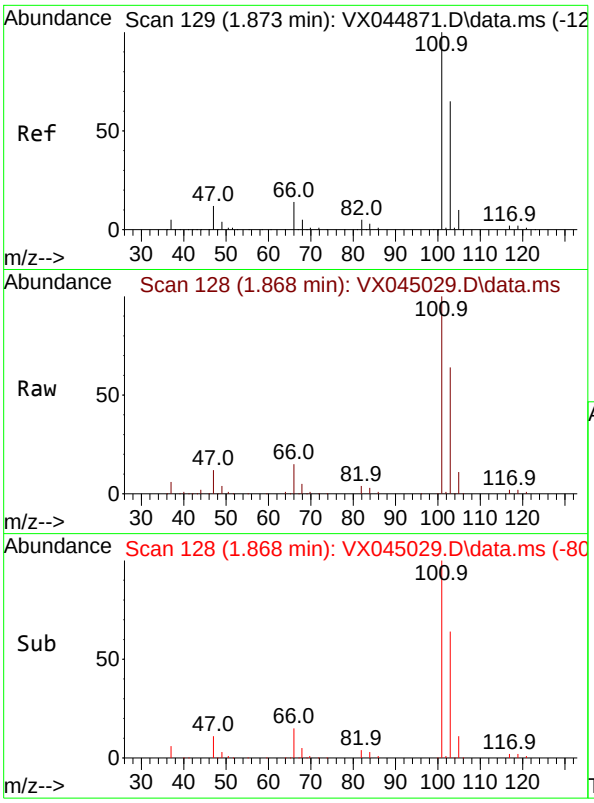


#6
Chloroethane
Concen: 54.935 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 64 Resp: 38111

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.9	38.9



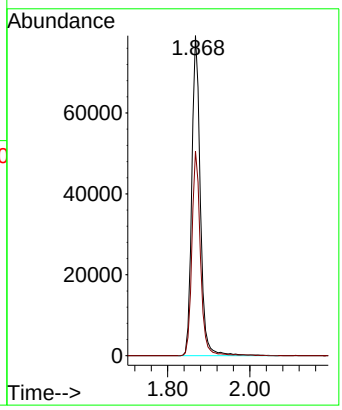


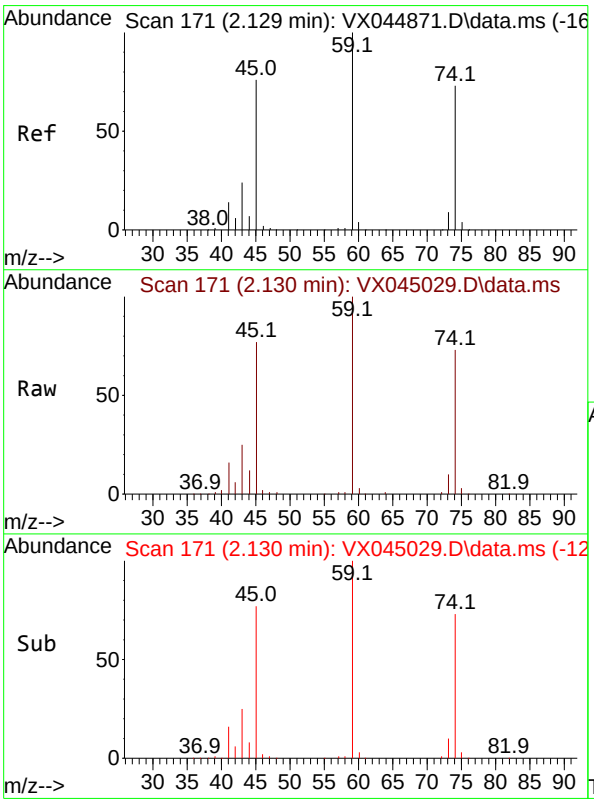
#7
Trichlorofluoromethane
Concen: 49.375 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.005 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 113846

Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.4	78.6

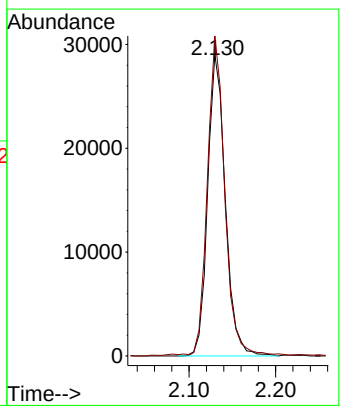


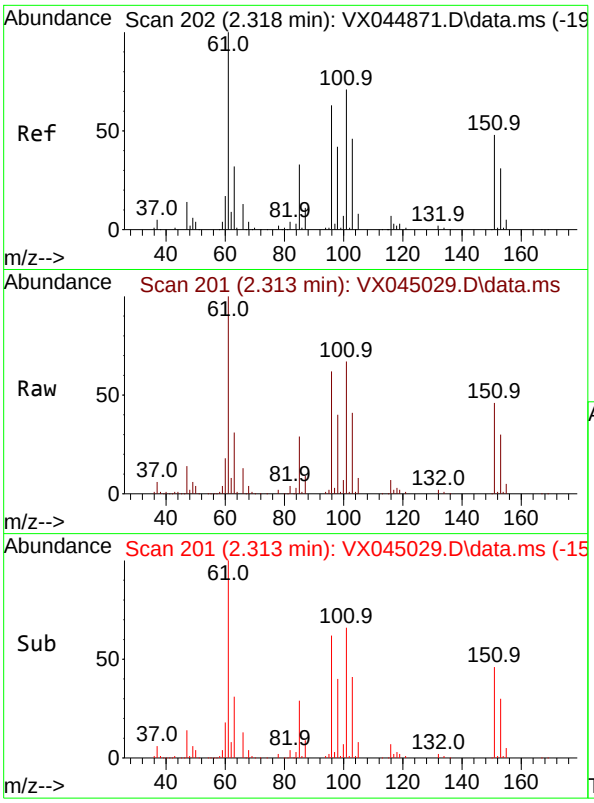


#8
Diethyl Ether
Concen: 49.070 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 74 Resp: 41033

Ion	Ratio	Lower	Upper
74	100		
45	103.9	51.1	153.4



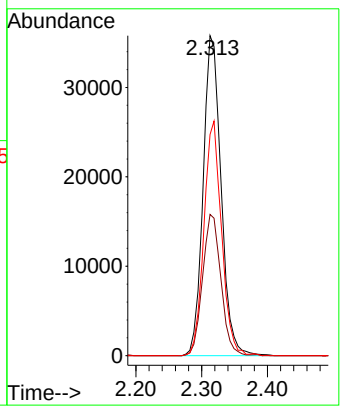


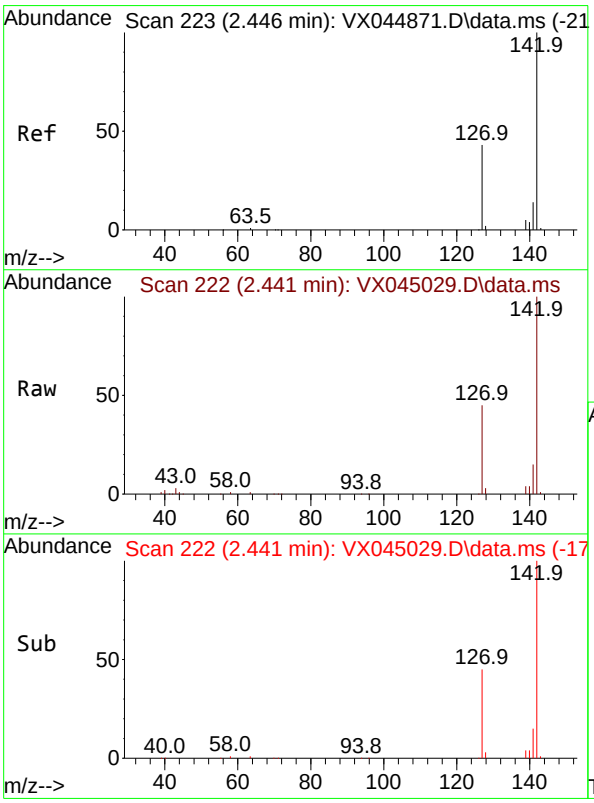
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.843 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 68044

Ion	Ratio	Lower	Upper
101	100		
85	44.9	35.7	53.5
151	71.8	56.0	84.0

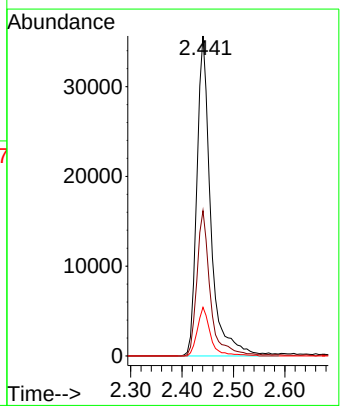


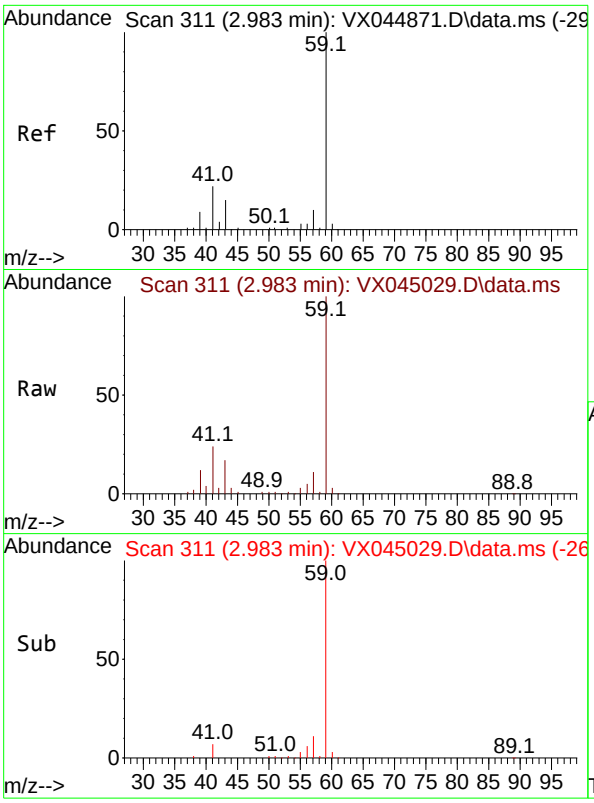


#10
Methyl Iodide
Concen: 37.102 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:142 Resp: 66987

Ion	Ratio	Lower	Upper
142	100		
127	44.0	34.3	51.5
141	14.4	11.4	17.2



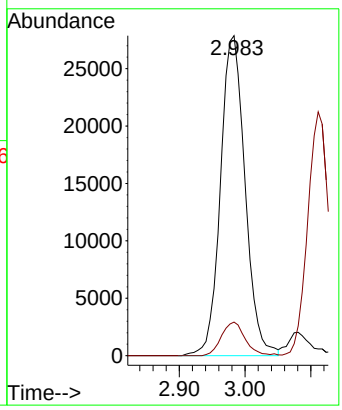


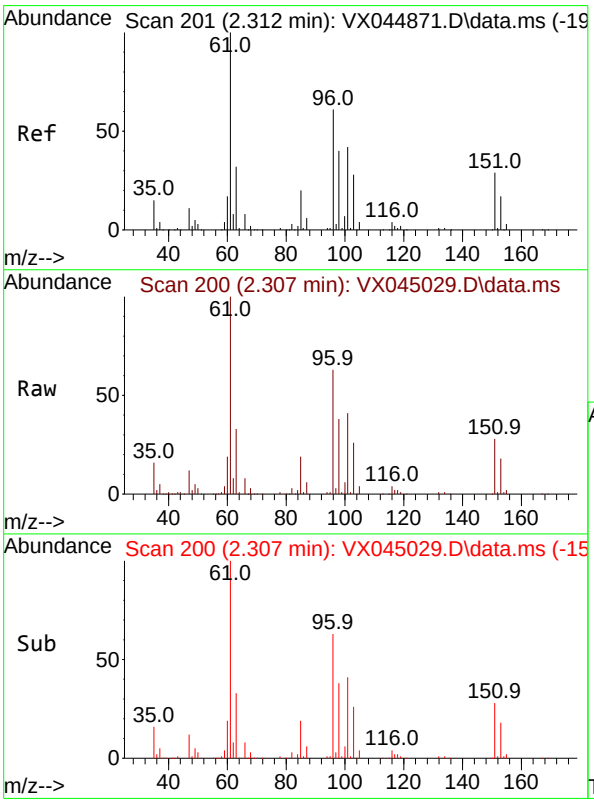
#11
Tert butyl alcohol
Concen: 242.666 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 72655

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

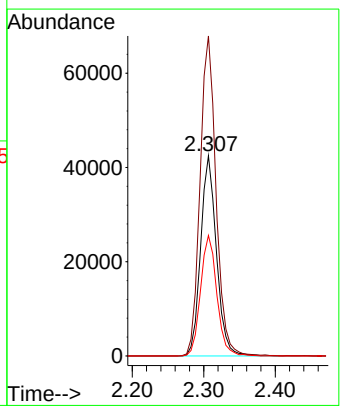


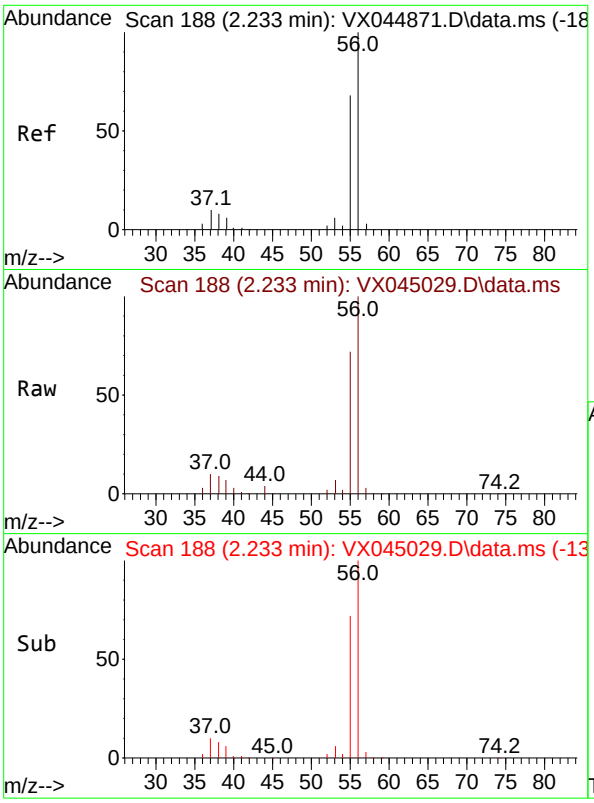


#12
1,1-Dichloroethene
Concen: 45.975 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 96 Resp: 65333

Ion	Ratio	Lower	Upper
96	100		
61	159.8	130.2	195.4
98	60.2	52.2	78.4



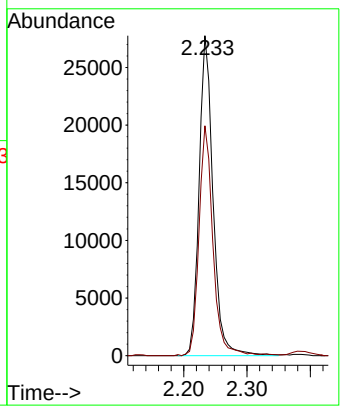


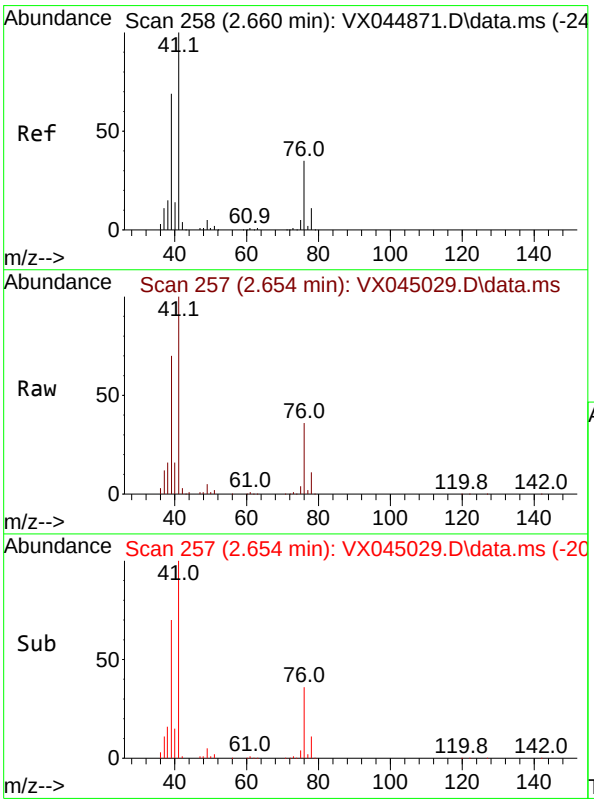
#13
Acrolein
Concen: 138.096 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 42659

Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.7	83.5

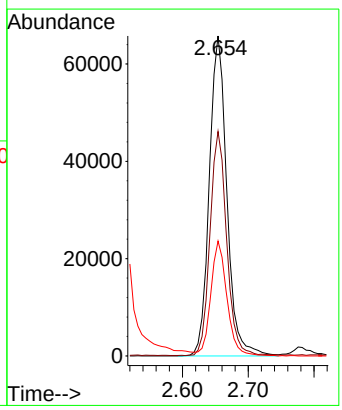


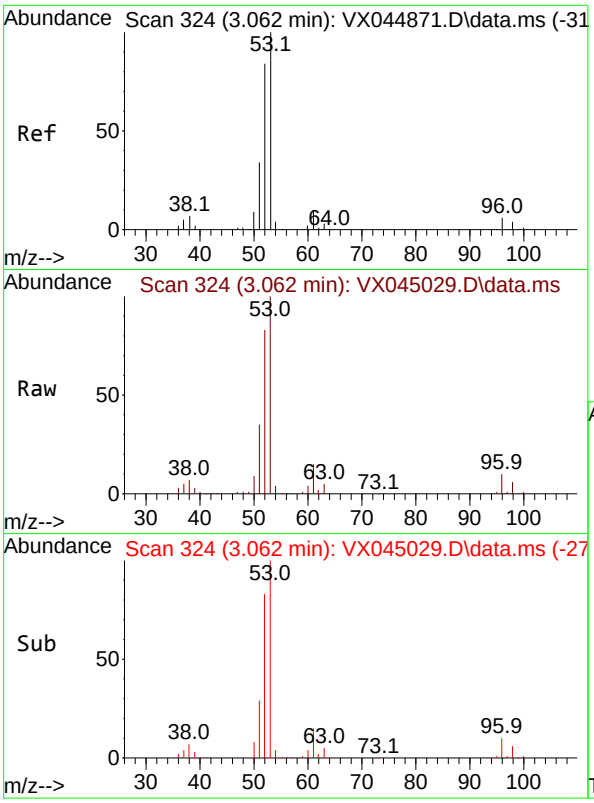


#14
Allyl chloride
Concen: 47.664 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 41 Resp: 122413

Ion	Ratio	Lower	Upper
41	100		
39	66.3	51.4	77.2
76	33.1	27.0	40.4



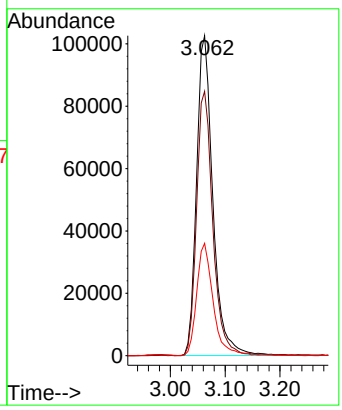


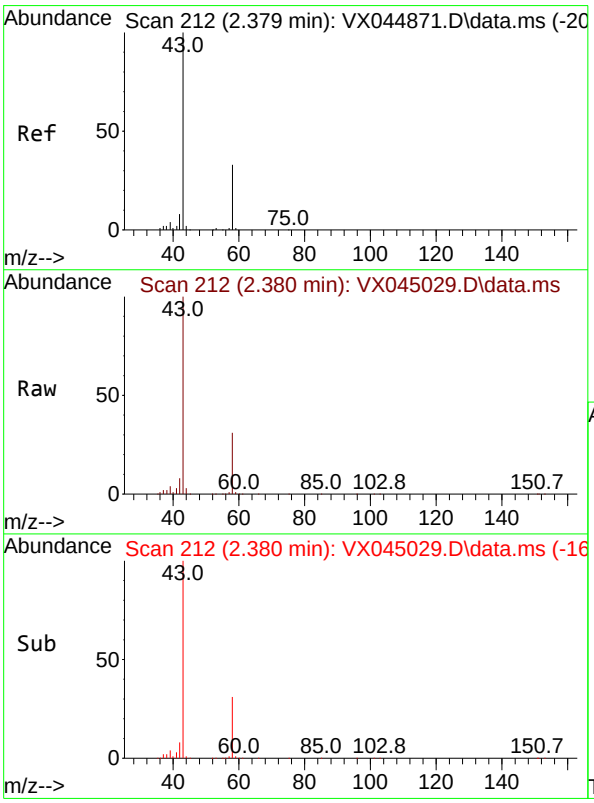
#15
Acrylonitrile
Concen: 265.353 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 212123

Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.0	97.6
51	35.5	28.0	42.0

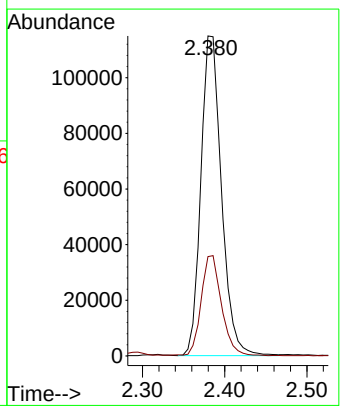


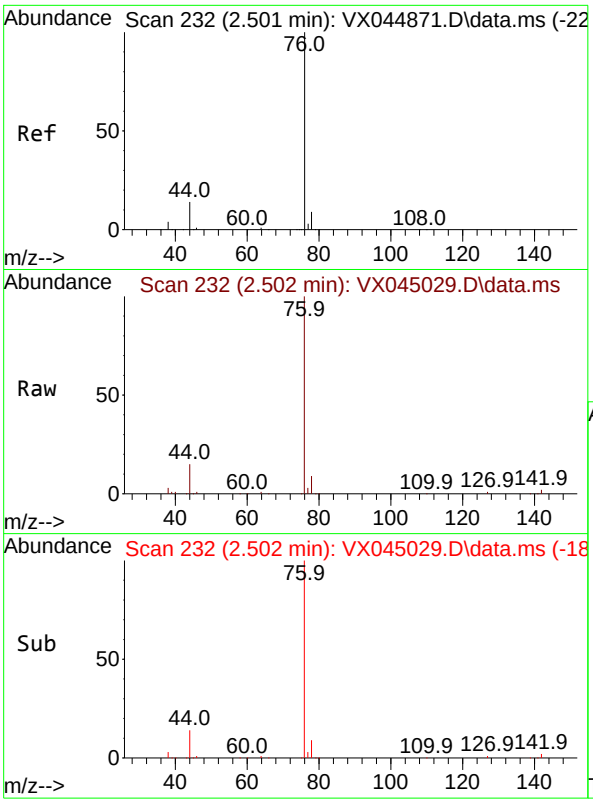


#16
Acetone
Concen: 308.999 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 200478

Ion	Ratio	Lower	Upper
43	100		
58	30.9	26.5	39.7



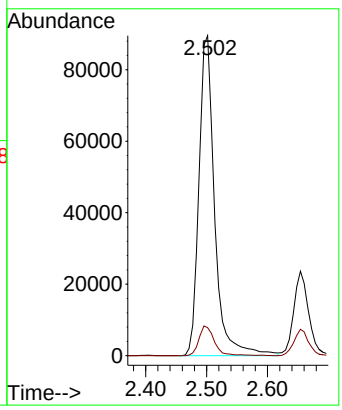


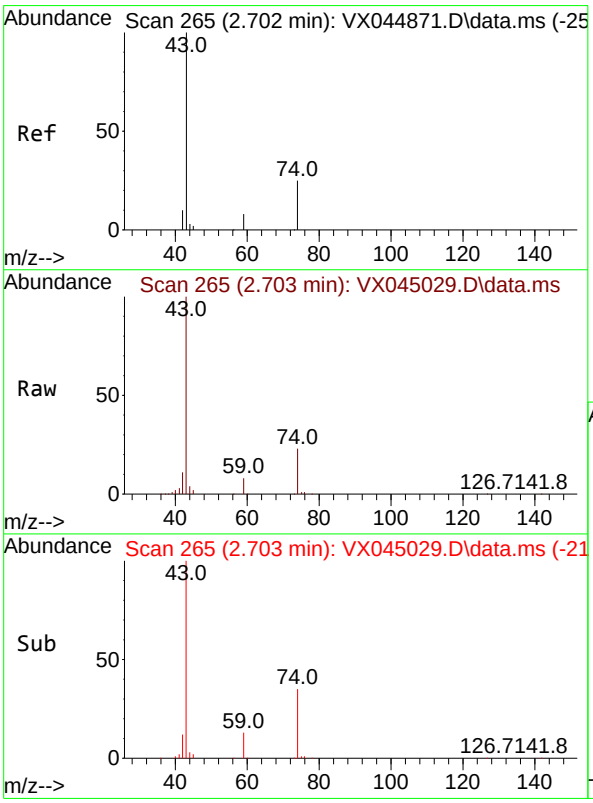
#17
Carbon Disulfide
Concen: 41.125 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 160258

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

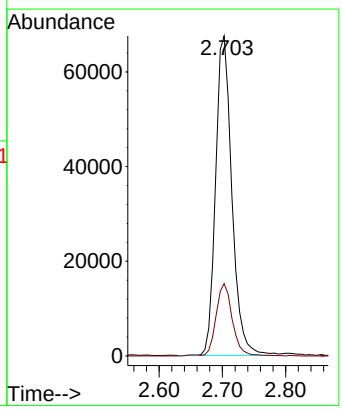


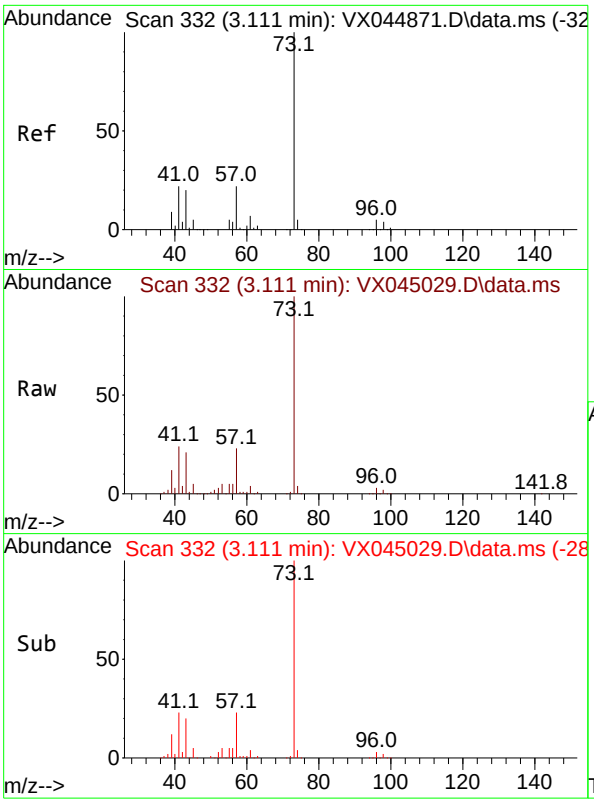


#18
Methyl Acetate
Concen: 58.830 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 120447

Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.9	28.3



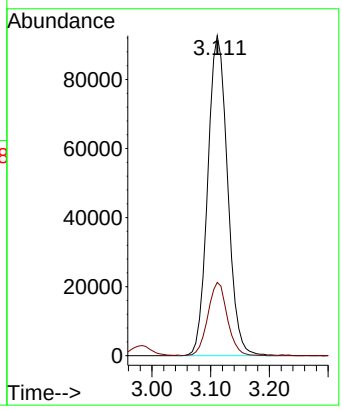


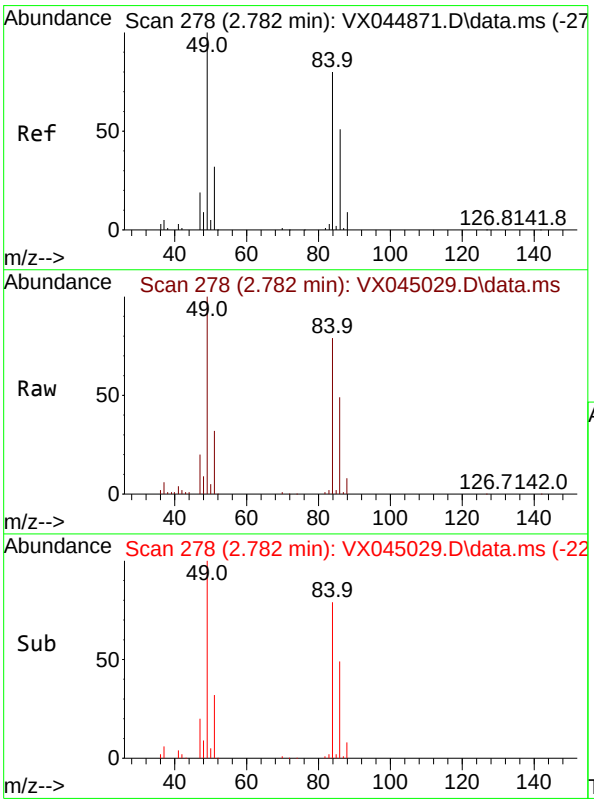
#19
Methyl tert-butyl Ether
Concen: 48.094 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 217452

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.9	26.9

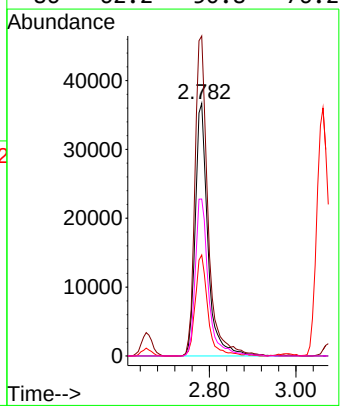


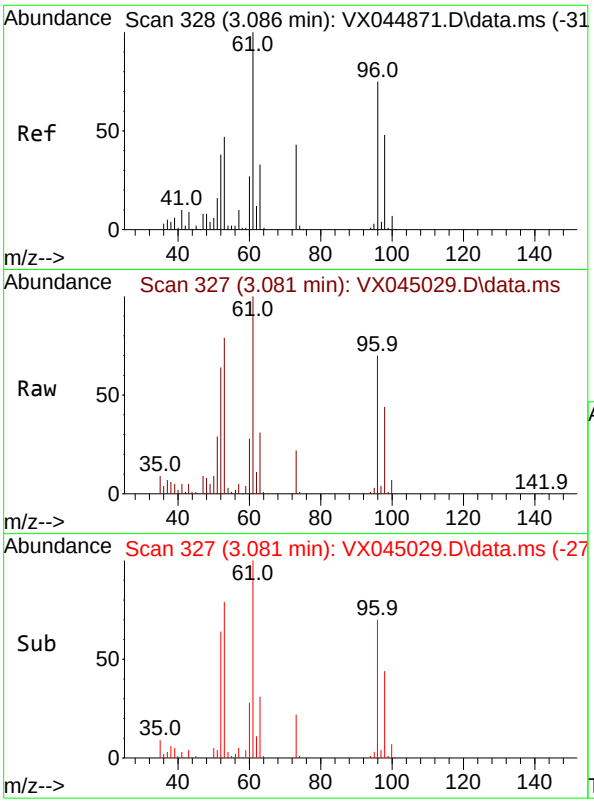


#20
Methylene Chloride
Concen: 46.681 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 84 Resp: 74184

Ion	Ratio	Lower	Upper
84	100		
49	126.8	100.1	150.1
51	40.0	31.7	47.5
86	62.2	50.8	76.2



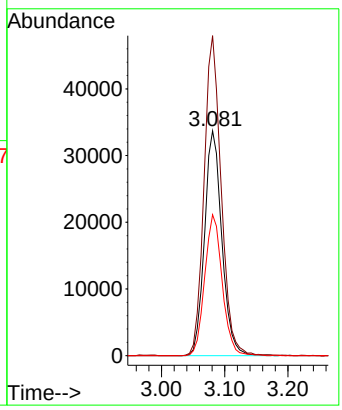


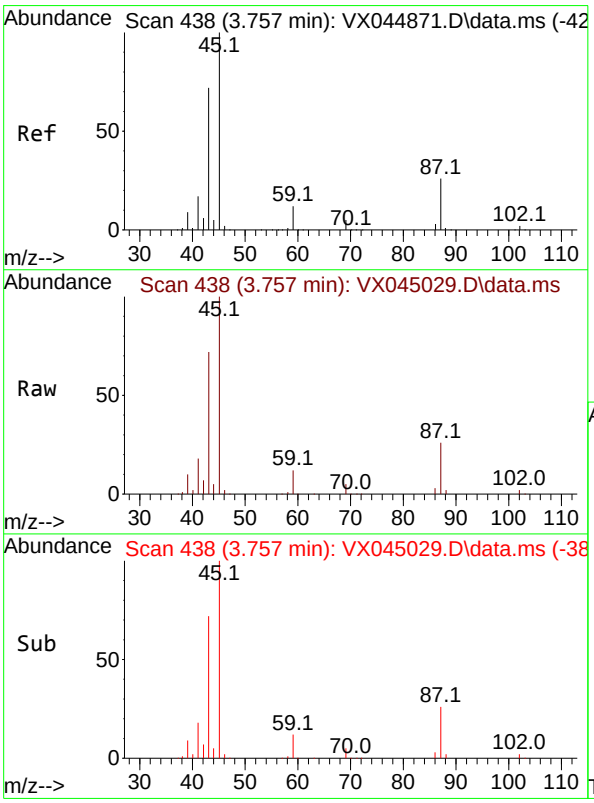
#21
trans-1,2-Dichloroethene
Concen: 45.895 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 64190

Ion	Ratio	Lower	Upper
96	100		
61	142.3	106.0	159.0
98	62.7	50.6	76.0

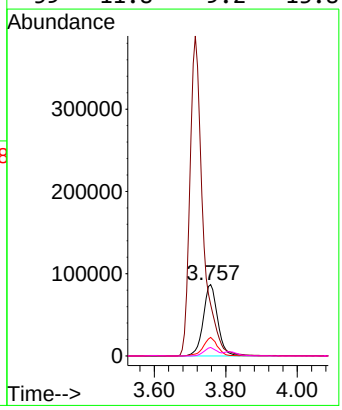


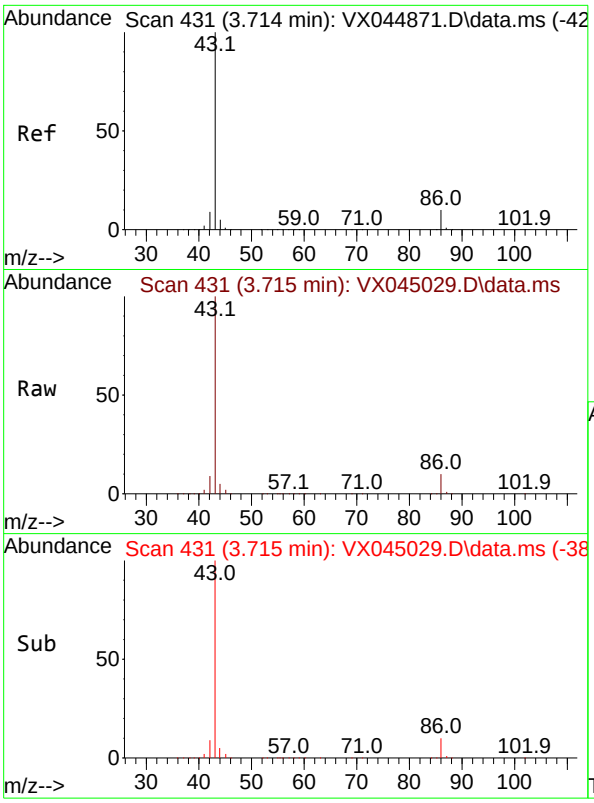


#22
Diisopropyl ether
Concen: 50.110 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 45 Resp: 243471

Ion	Ratio	Lower	Upper
45	100		
43	71.9	58.0	87.0
87	26.0	20.7	31.1
59	11.8	9.2	13.8



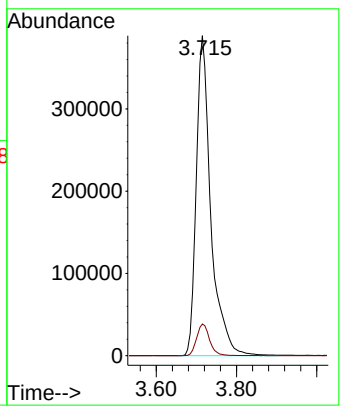


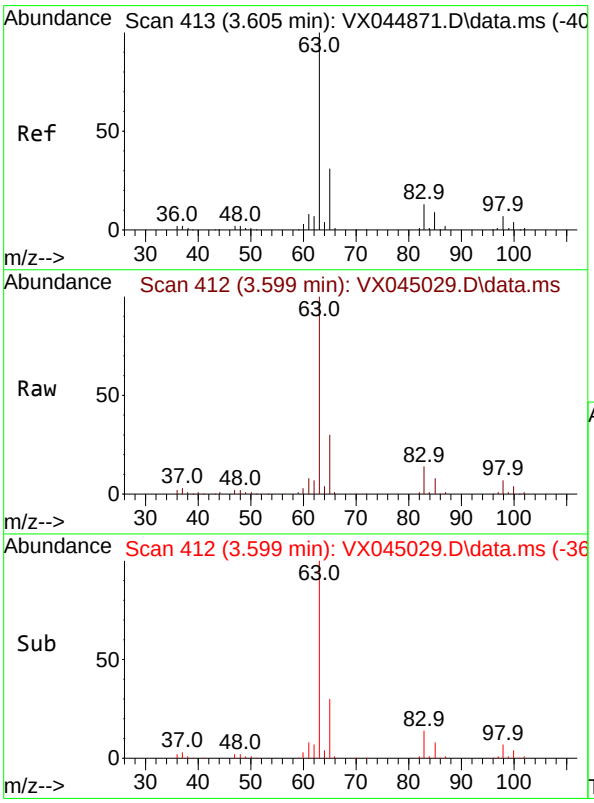
#23
Vinyl Acetate
Concen: 247.805 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 981588

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.3	12.5

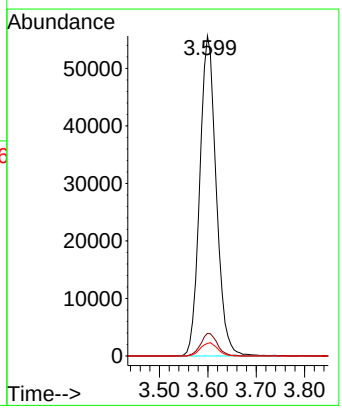


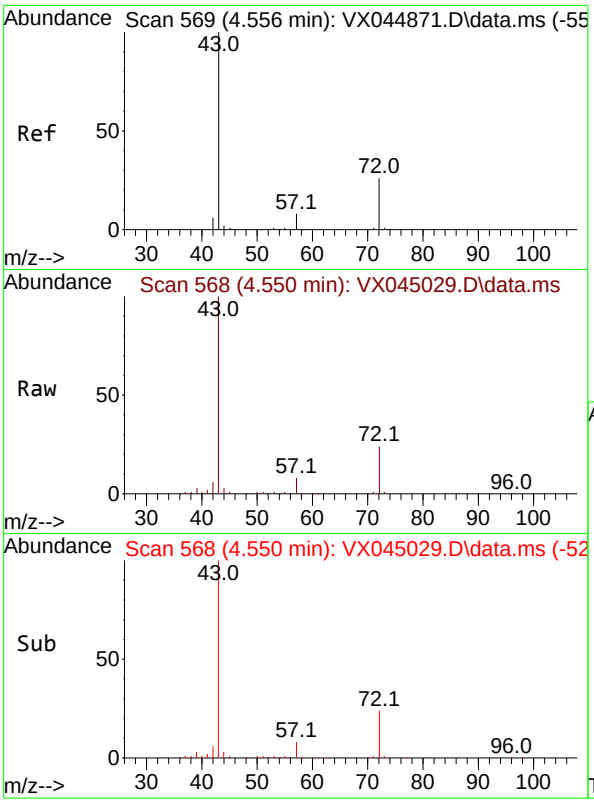


#24
1,1-Dichloroethane
Concen: 48.441 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 63 Resp: 131695

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.9
100	3.9	2.1	6.5



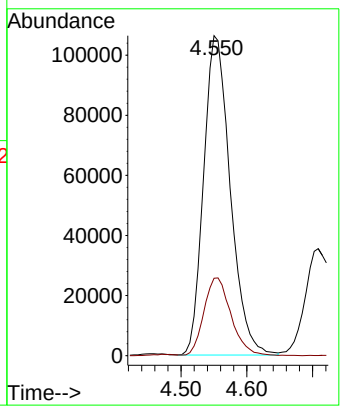


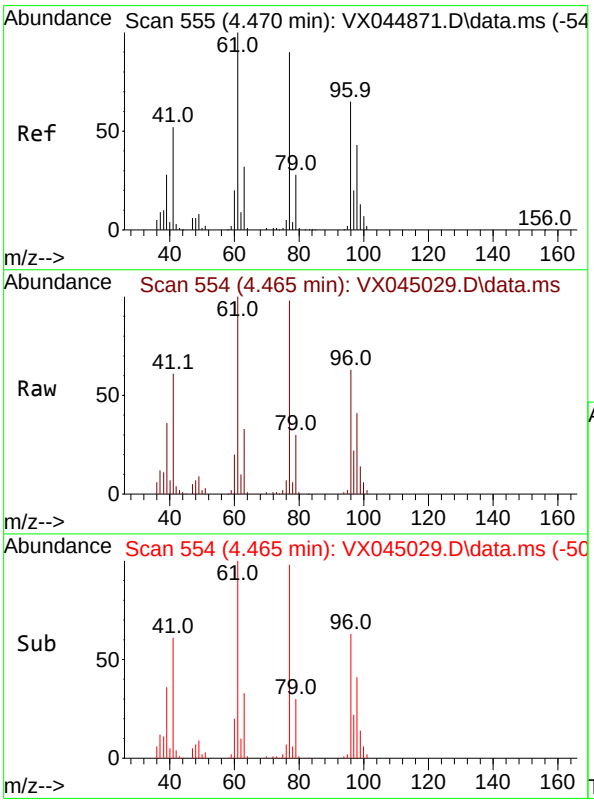
#25
2-Butanone
Concen: 284.540 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 299771

Ion	Ratio	Lower	Upper
43	100		
72	24.1	21.2	31.8

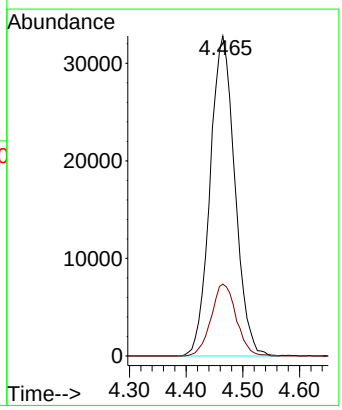


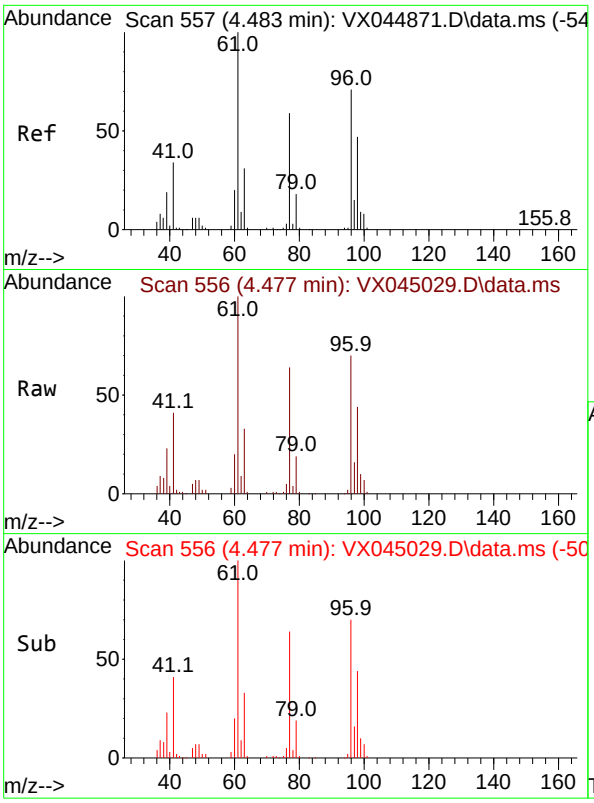


#26
2,2-Dichloropropane
Concen: 46.181 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 77 Resp: 99566

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.8	35.3



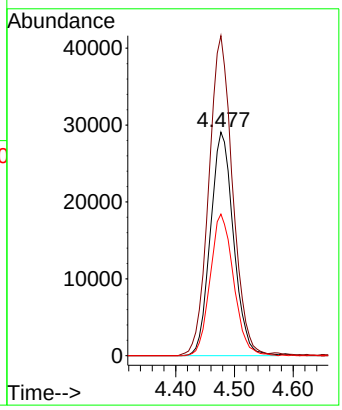


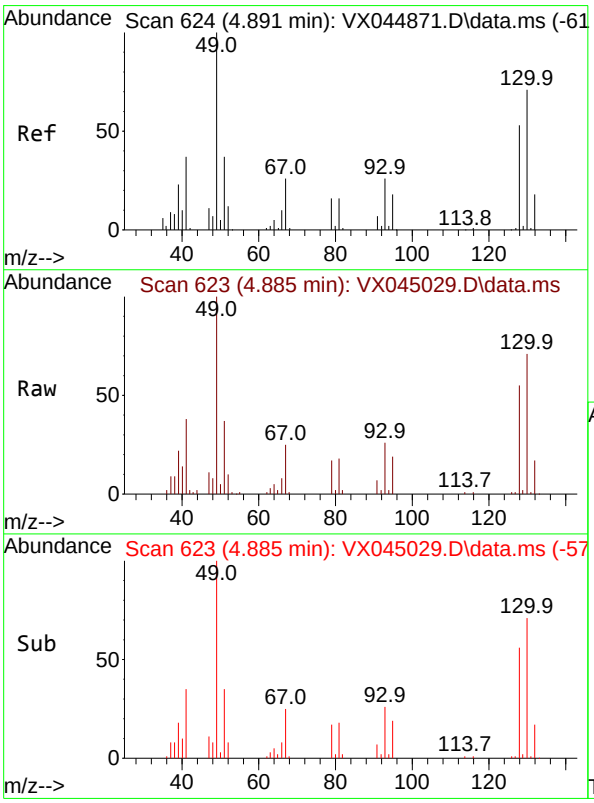
#27
cis-1,2-Dichloroethene
Concen: 47.310 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 79480

Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	294.0
98	64.2	0.0	131.2

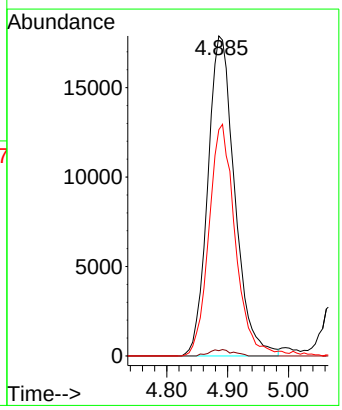


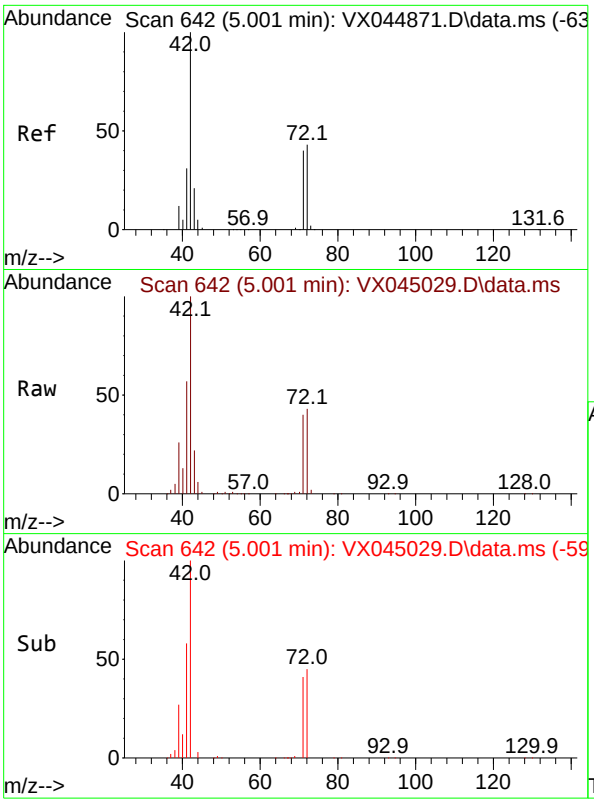


#28
Bromochloromethane
Concen: 42.098 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 49 Resp: 55002

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	70.9	56.7	85.1



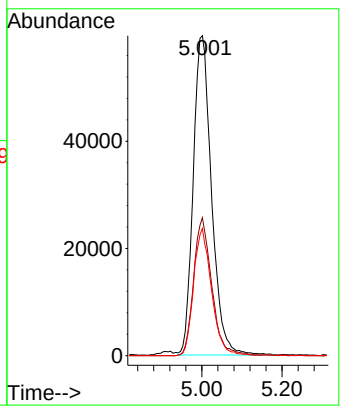


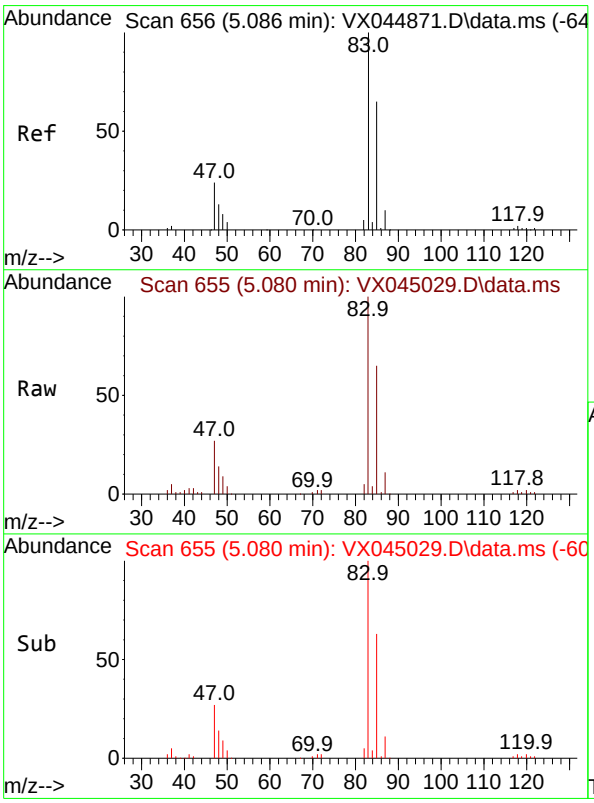
#29
Tetrahydrofuran
Concen: 270.334 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 189117

Ion	Ratio	Lower	Upper
42	100		
72	42.7	35.0	52.4
71	39.0	32.6	48.8

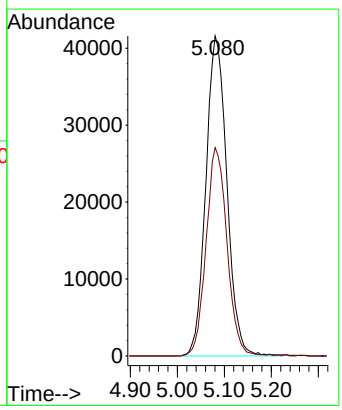


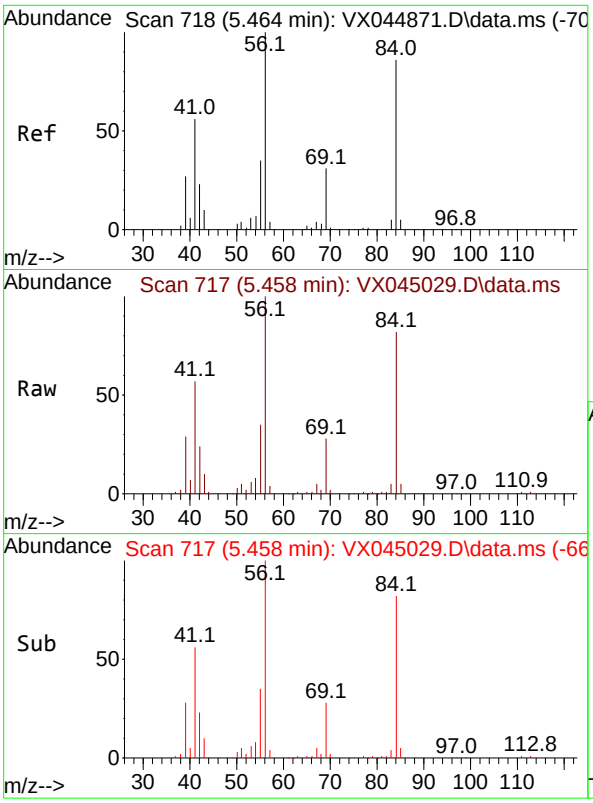


#30
Chloroform
Concen: 48.935 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 83 Resp: 129019

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1



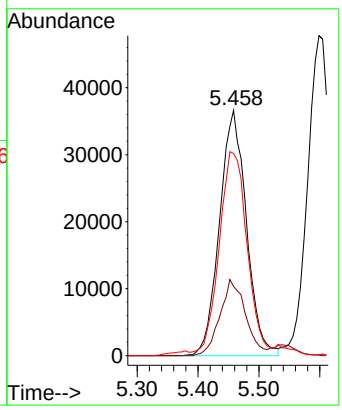


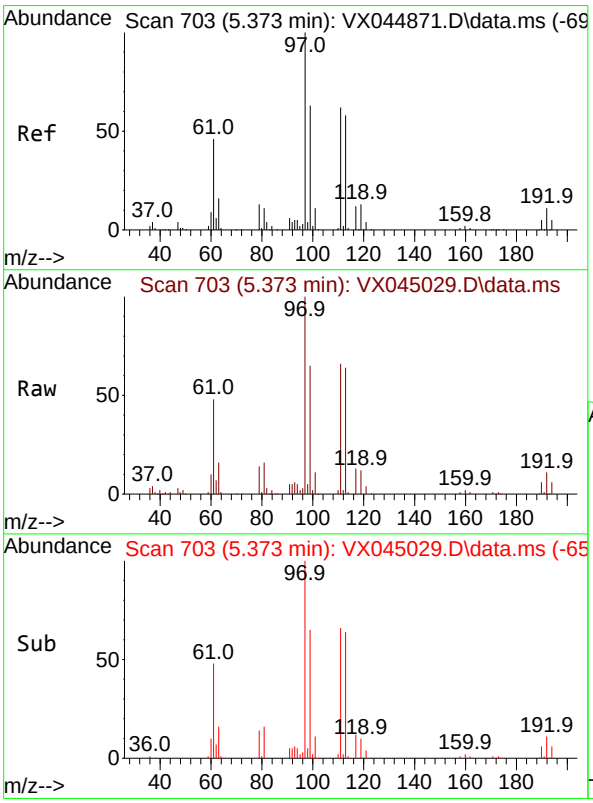
#31
Cyclohexane
Concen: 44.815 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 112320

Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.4	36.6
84	80.8	69.0	103.6

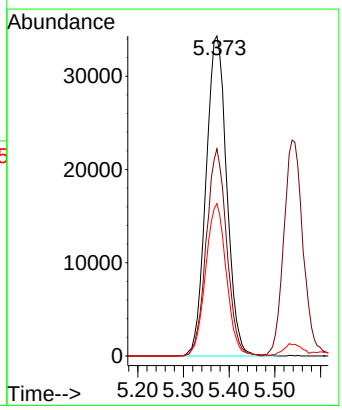


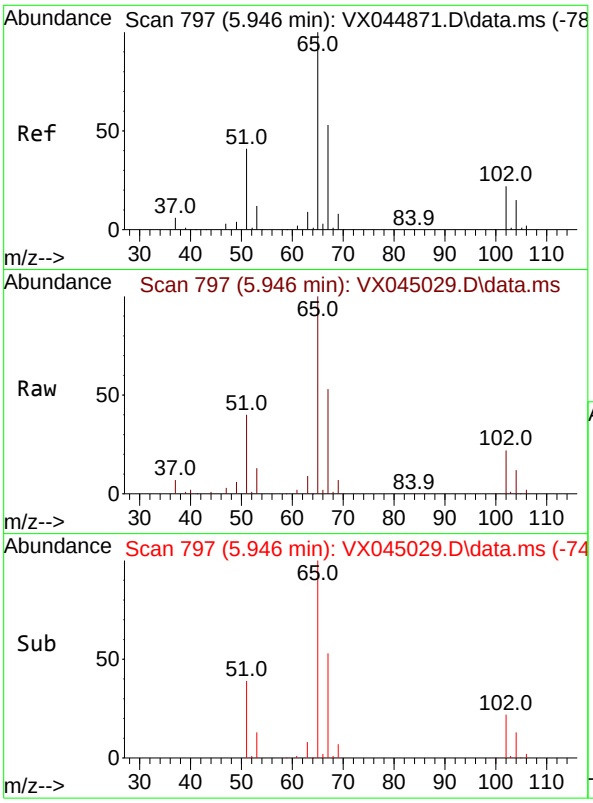


#32
1,1,1-Trichloroethane
Concen: 48.255 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 97 Resp: 107913

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	47.7	36.6	55.0



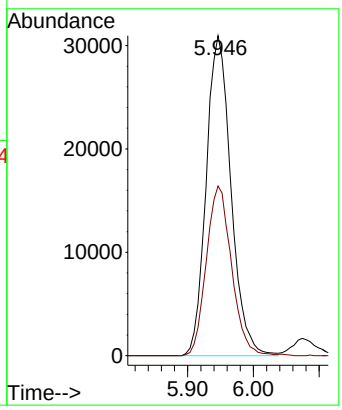


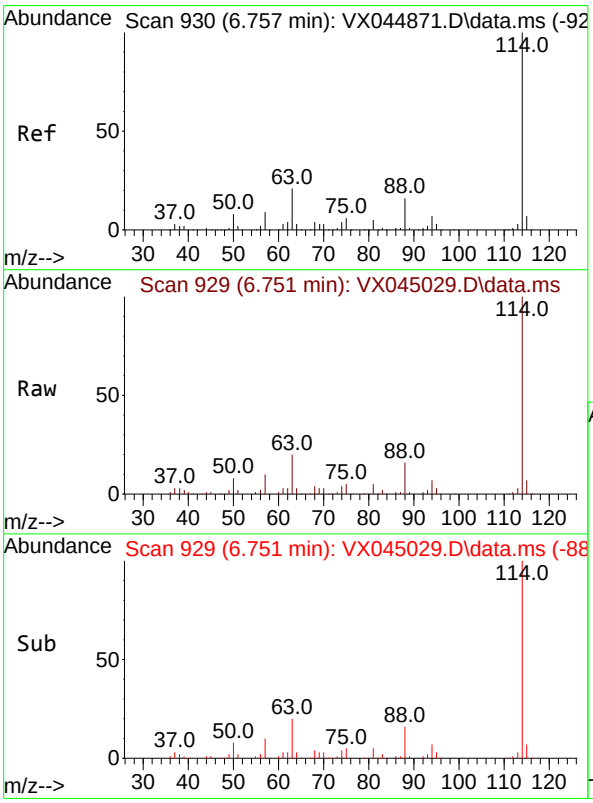
#33
1,2-Dichloroethane-d4
Concen: 50.334 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 81234

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.2

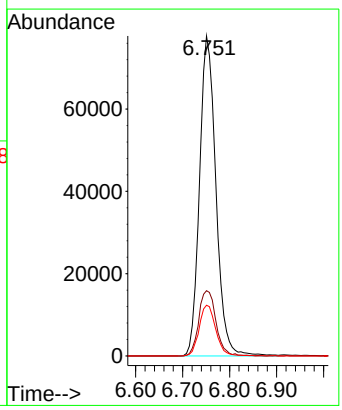


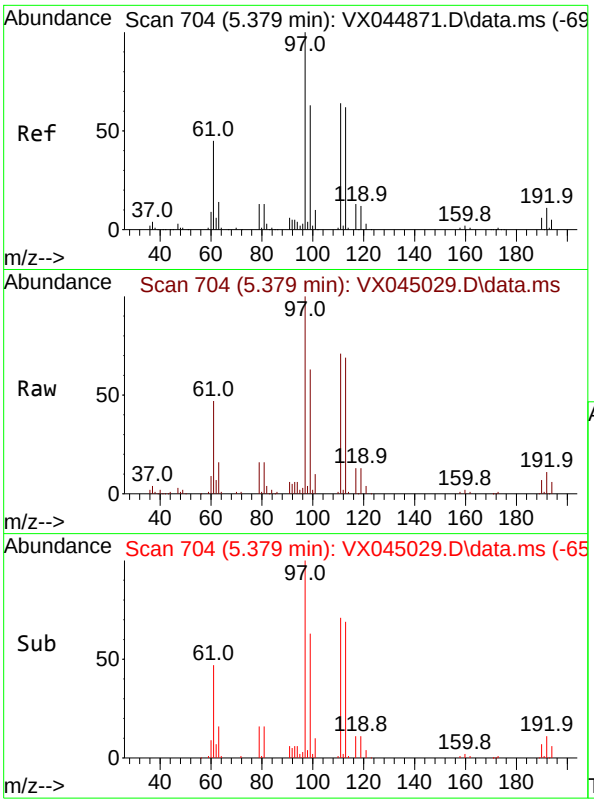


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:114 Resp: 188741

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.4
88	15.9	0.0	31.4



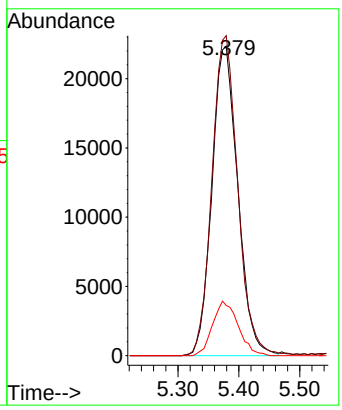


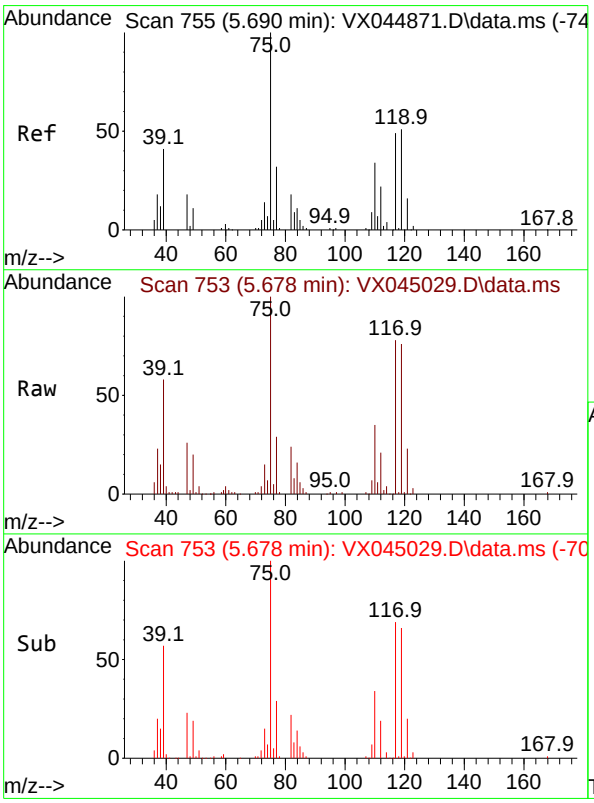
#35
Dibromofluoromethane
Concen: 53.583 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 65753

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.5	125.3
192	17.5	14.4	21.6

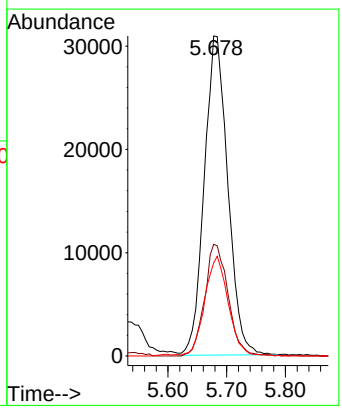


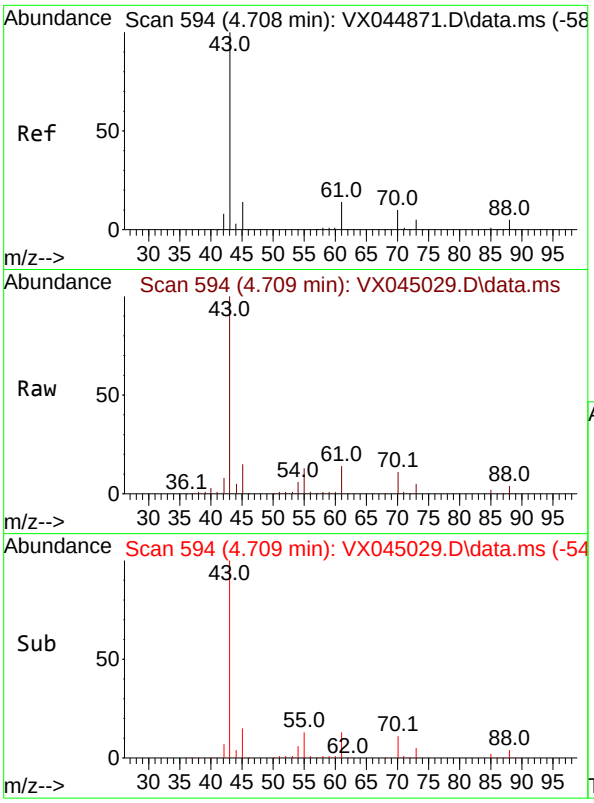


#36
1,1-Dichloropropene
Concen: 48.612 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 86064

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.2	51.6
77	31.3	24.6	37.0



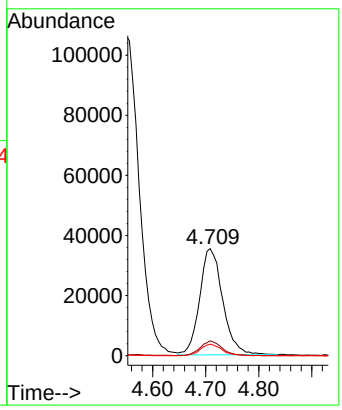


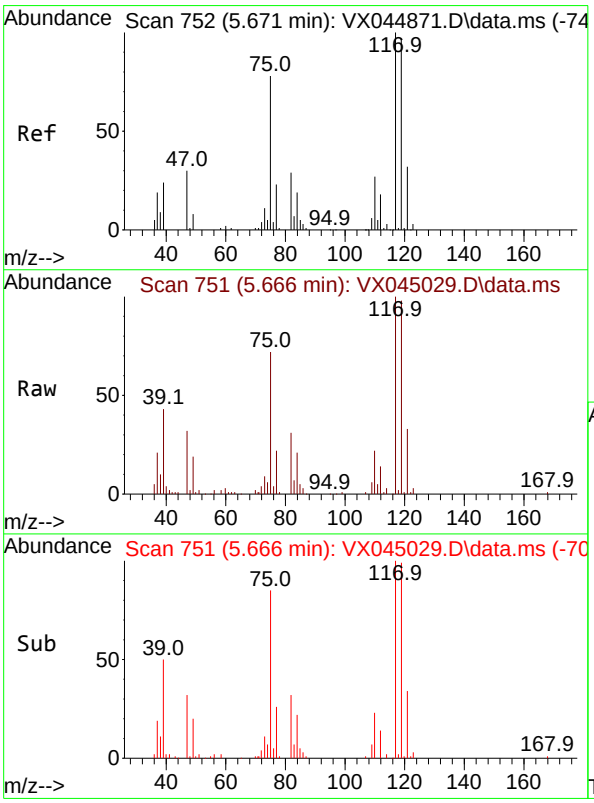
#37
Ethyl Acetate
Concen: 54.239 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 106808

Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.4
70	10.1	8.2	12.2

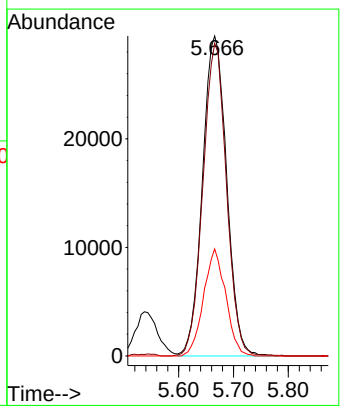


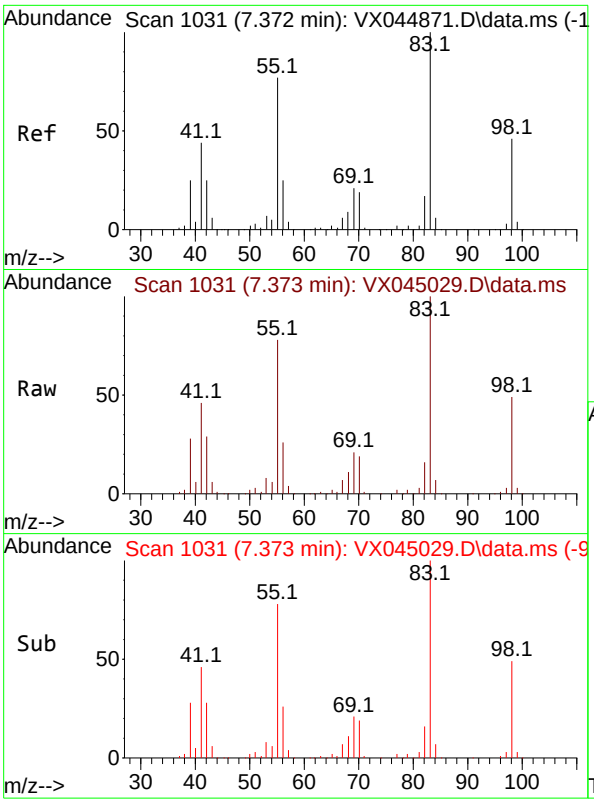


#38
Carbon Tetrachloride
Concen: 52.043 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:117 Resp: 90290

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.5	116.3
121	33.4	25.6	38.4



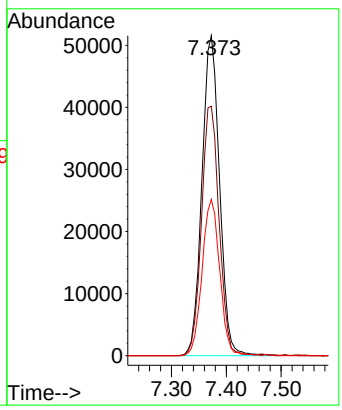


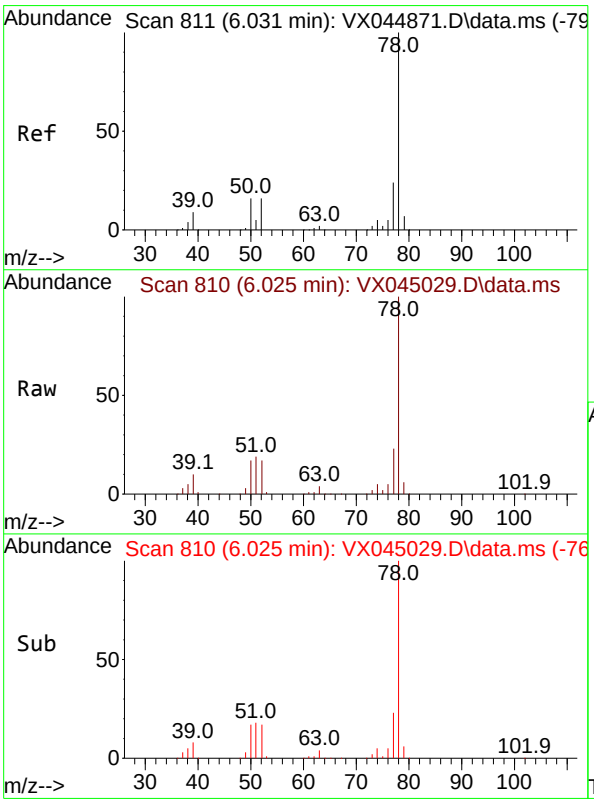
#39
Methylcyclohexane
Concen: 50.213 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 114932

Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.3	91.9
98	48.8	37.0	55.6

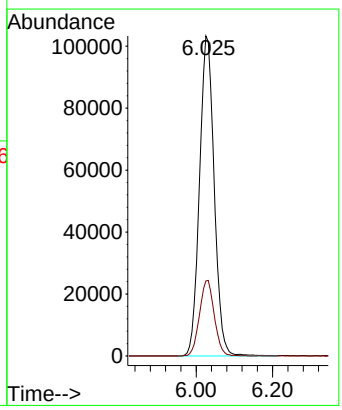


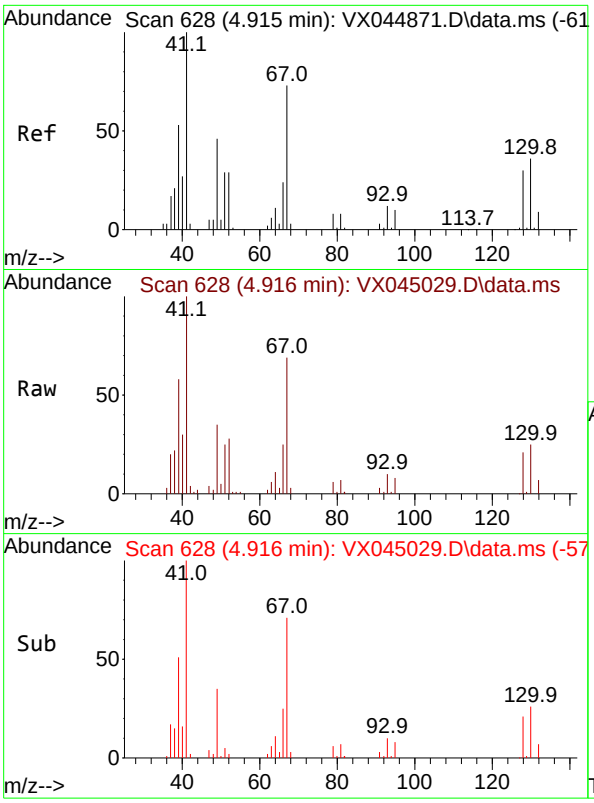


#40
Benzene
Concen: 49.801 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 78 Resp: 275311

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6



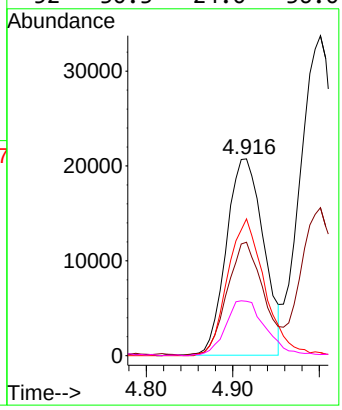


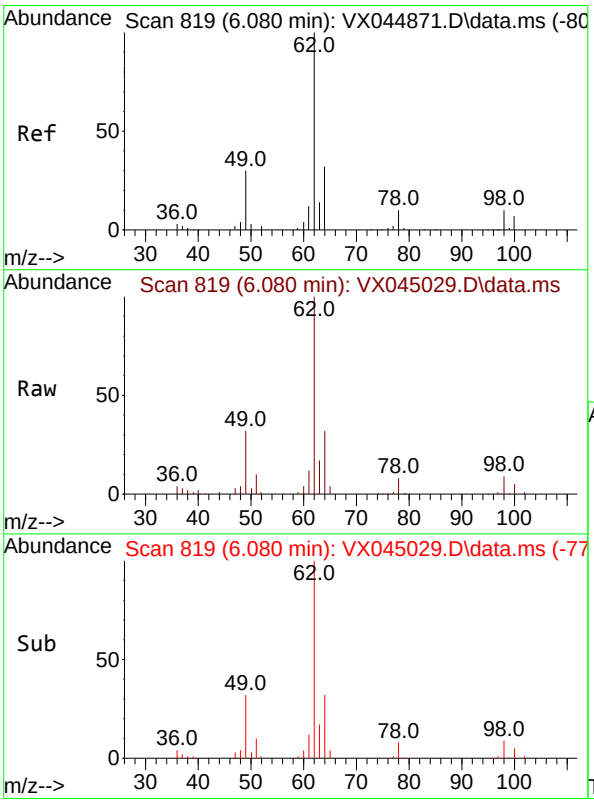
#41
Methacrylonitrile
Concen: 58.641 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 61810

Ion	Ratio	Lower	Upper
41	100		
39	57.1	43.1	64.7
67	69.7	57.0	85.6
52	30.3	24.0	36.0

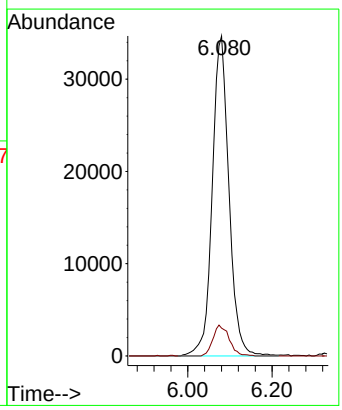


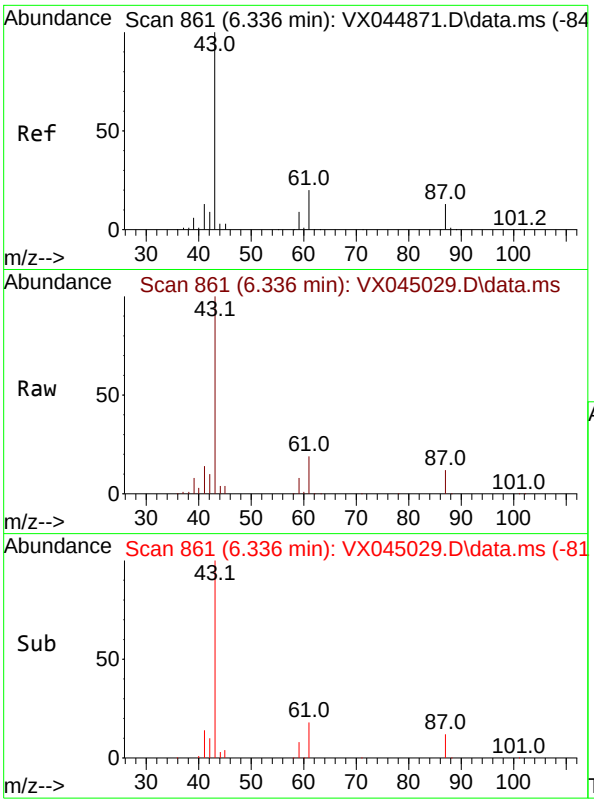


#42
1,2-Dichloroethane
Concen: 54.001 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 62 Resp: 95145

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4



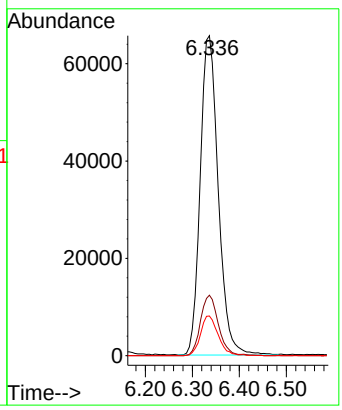


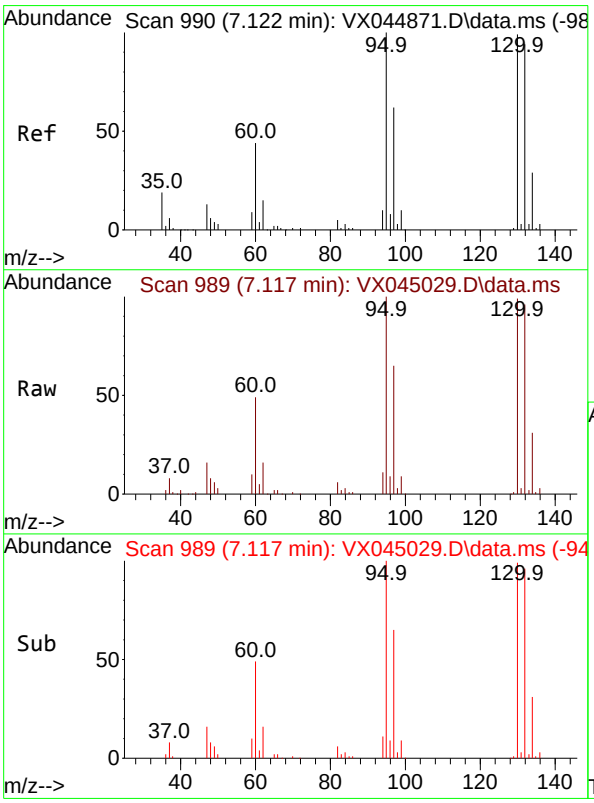
#43
Isopropyl Acetate
Concen: 55.008 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 174923

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.8	23.8
87	12.2	10.0	15.0

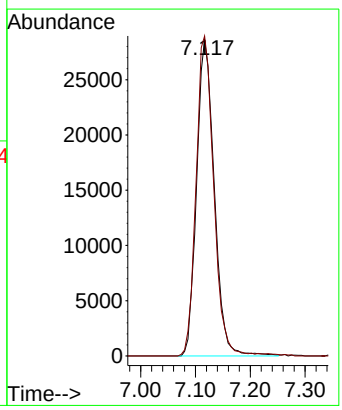


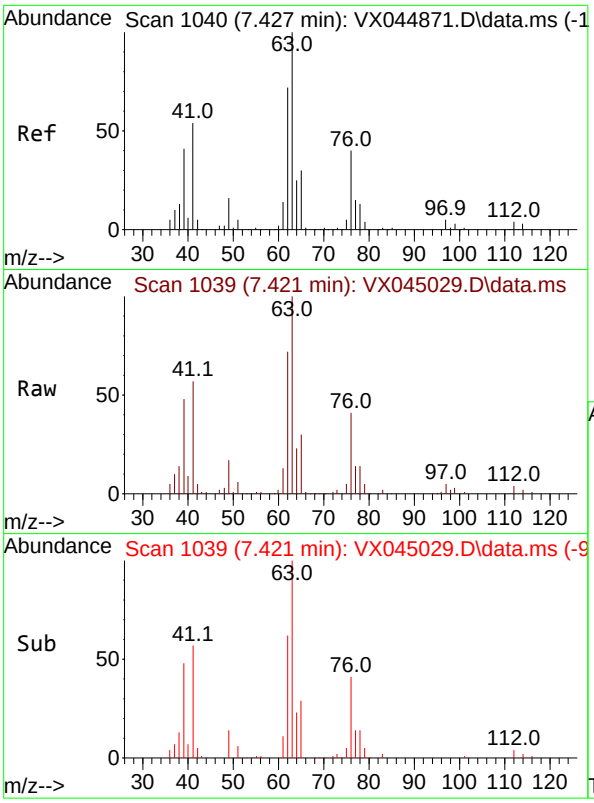


#44
Trichloroethene
Concen: 50.640 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:130 Resp: 63990

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	202.4



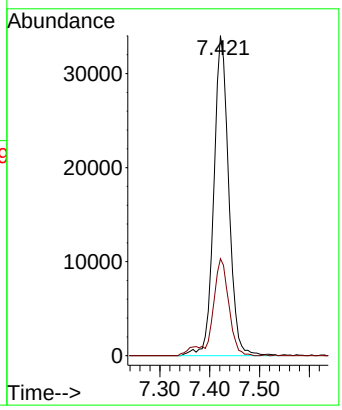


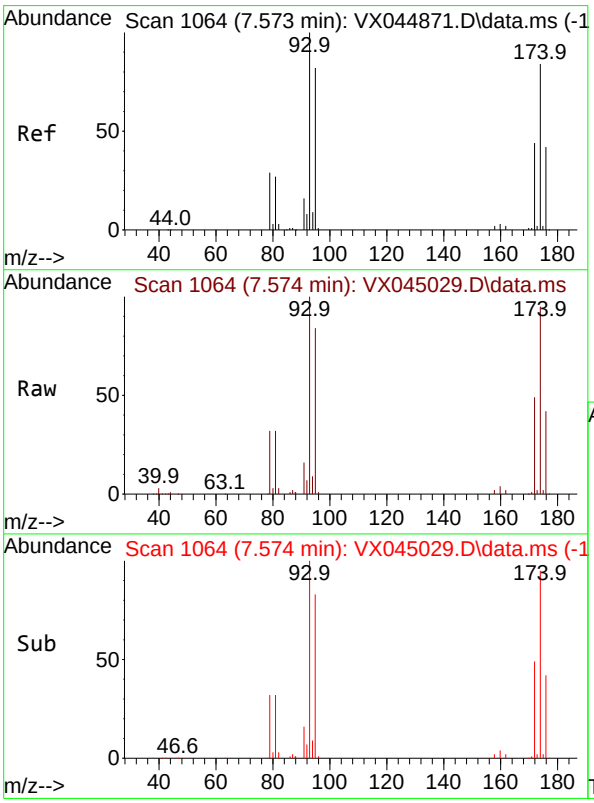
#45
1,2-Dichloropropane
Concen: 51.537 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 70881

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.4

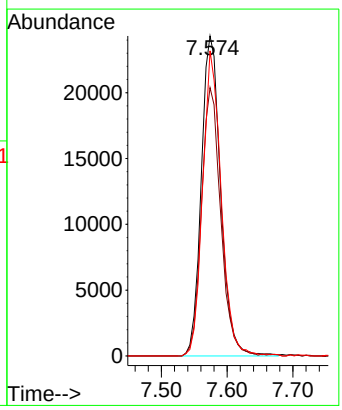


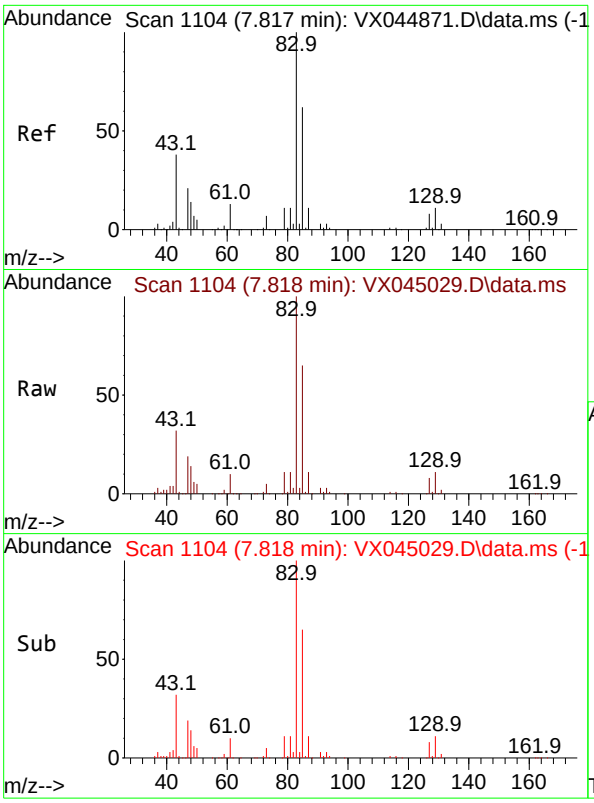


#46
Dibromomethane
Concen: 52.221 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 93 Resp: 49809

Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.2	99.4
174	91.3	69.9	104.9



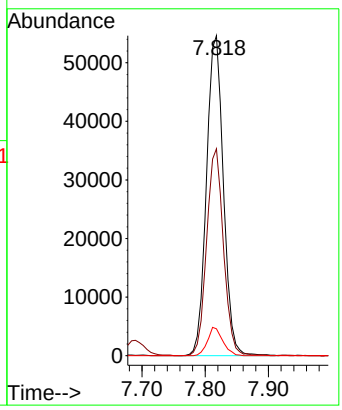


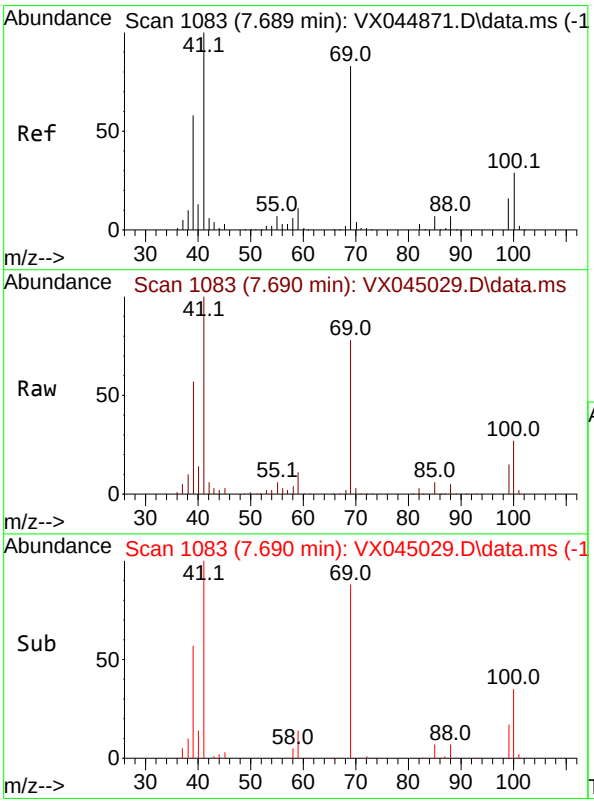
#47
Bromodichloromethane
Concen: 54.965 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 101512

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.0	75.0
127	8.4	6.4	9.6

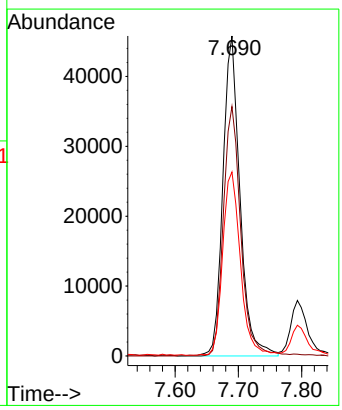


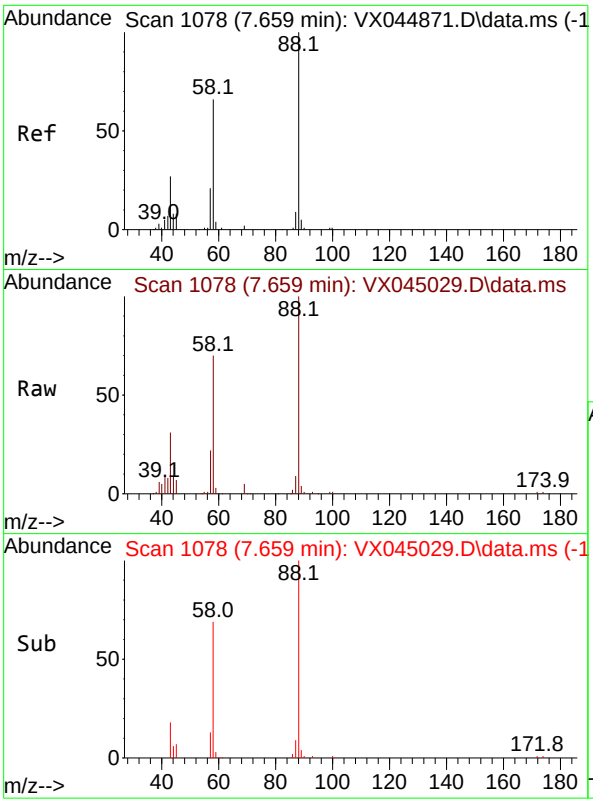


#48
Methyl methacrylate
Concen: 57.145 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 41 Resp: 85683

Ion	Ratio	Lower	Upper
41	100		
69	79.4	65.8	98.8
39	59.3	46.4	69.6



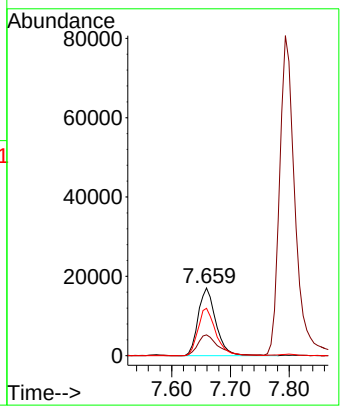


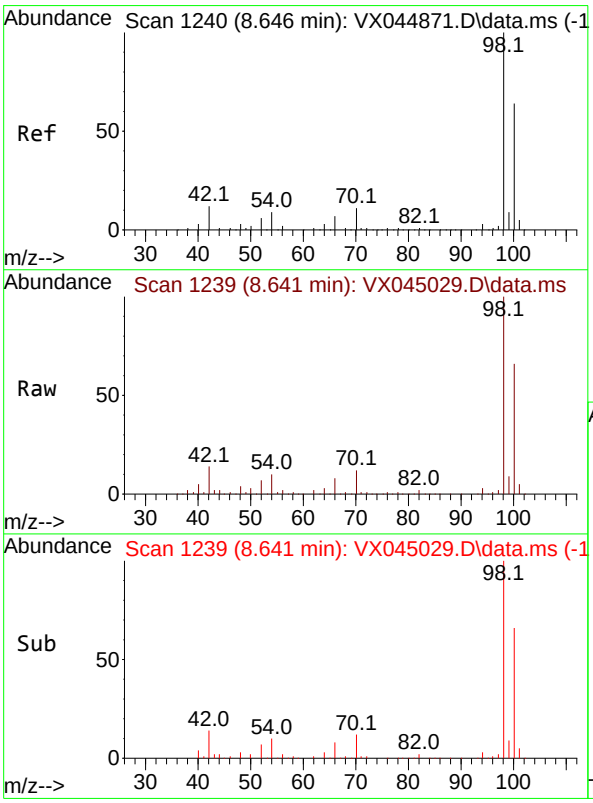
#49
1,4-Dioxane
Concen: 1108.259 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 35652

Ion	Ratio	Lower	Upper
88	100		
43	36.1	26.6	39.8
58	70.8	55.9	83.9

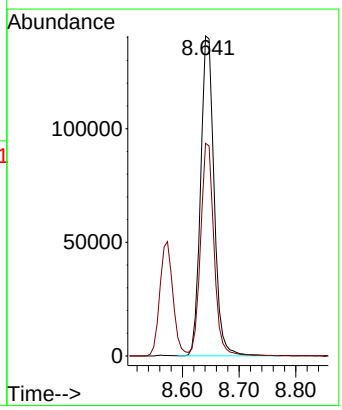


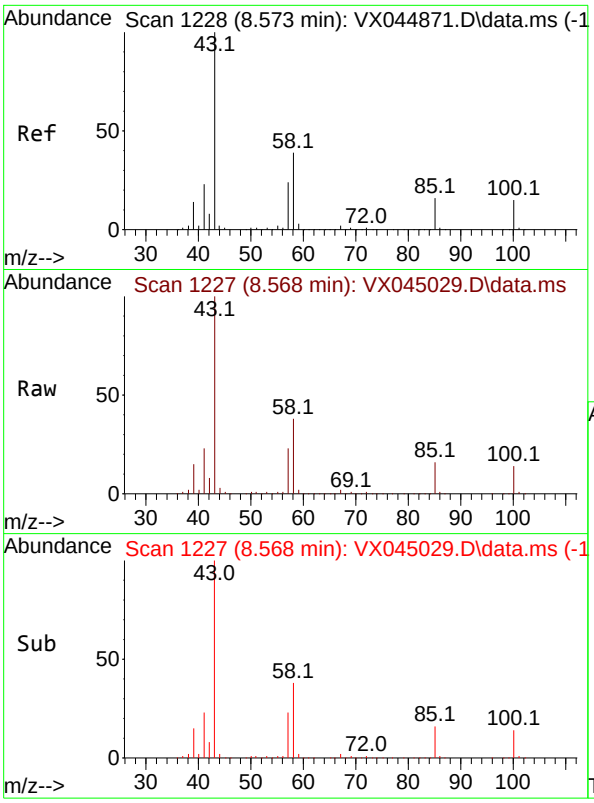


#50
Toluene-d8
Concen: 50.240 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 98 Resp: 233128

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.7	79.1



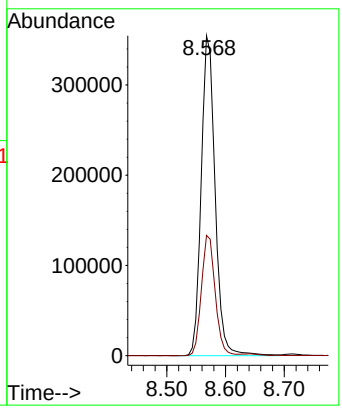


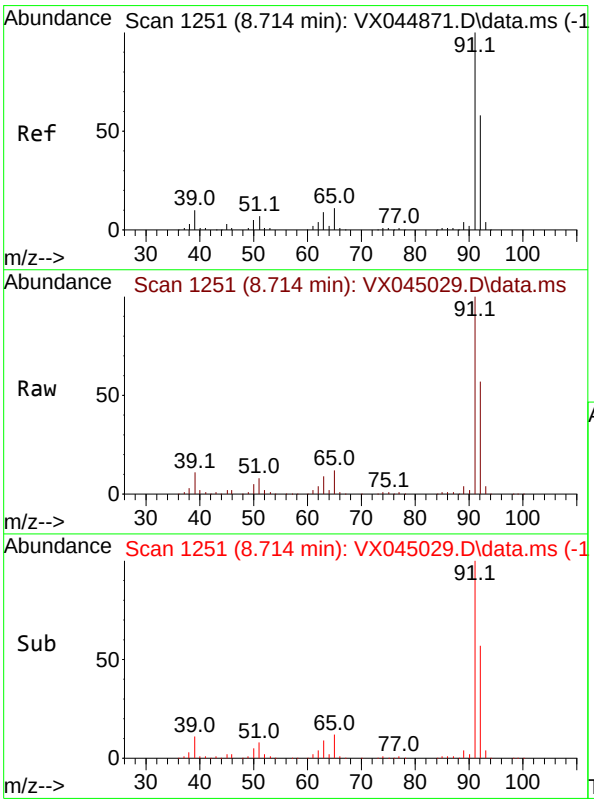
#51
4-Methyl-2-Pentanone
Concen: 301.506 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 582884

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.8	46.2

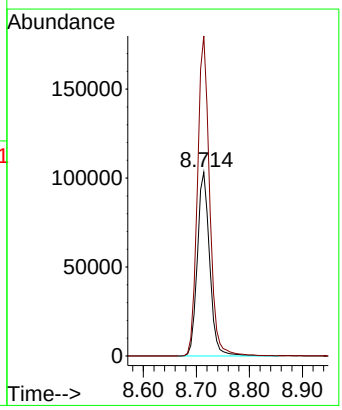


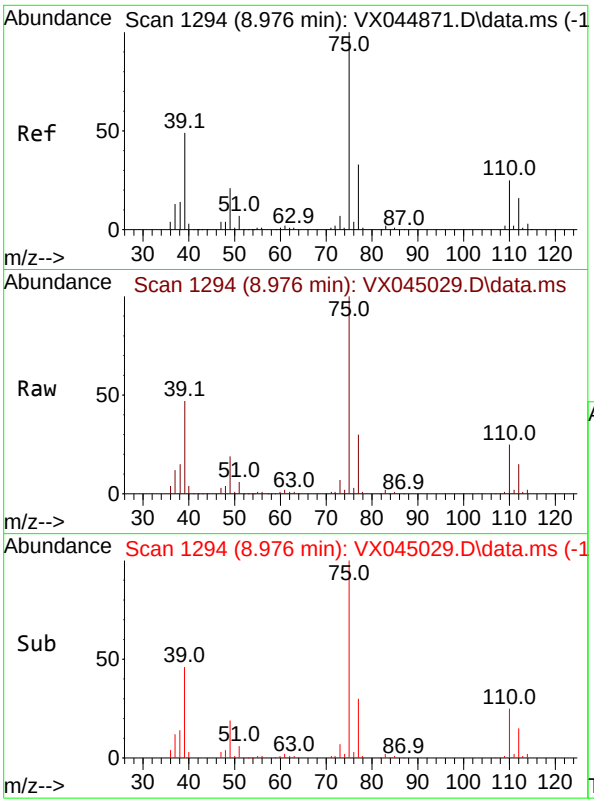


#52
Toluene
Concen: 50.555 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 92 Resp: 166447

Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.4	206.2



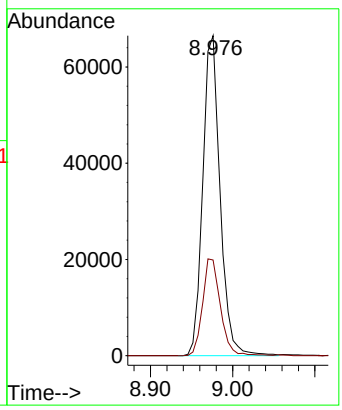


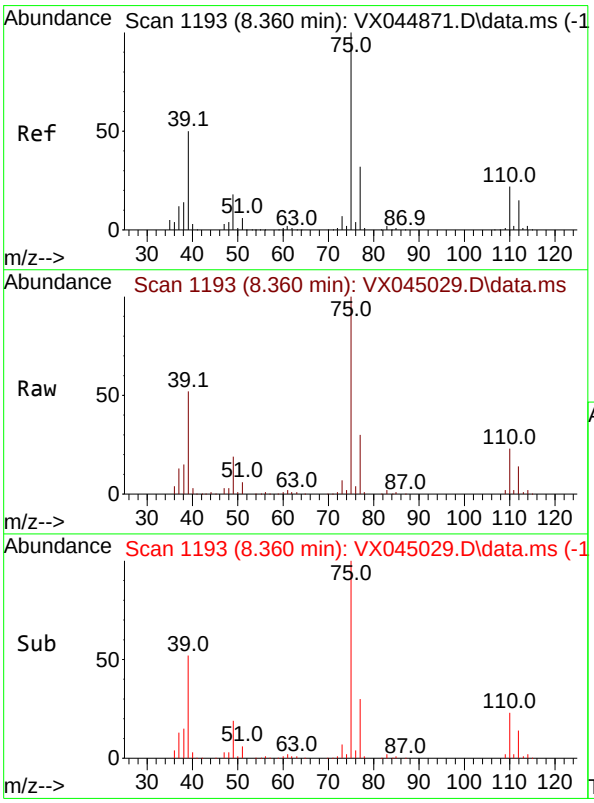
#53
t-1,3-Dichloropropene
Concen: 52.043 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 97264

Ion	Ratio	Lower	Upper
75	100		
77	29.9	26.0	39.0

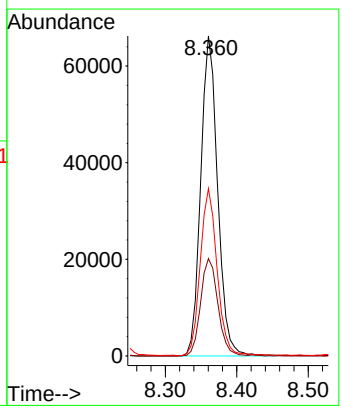


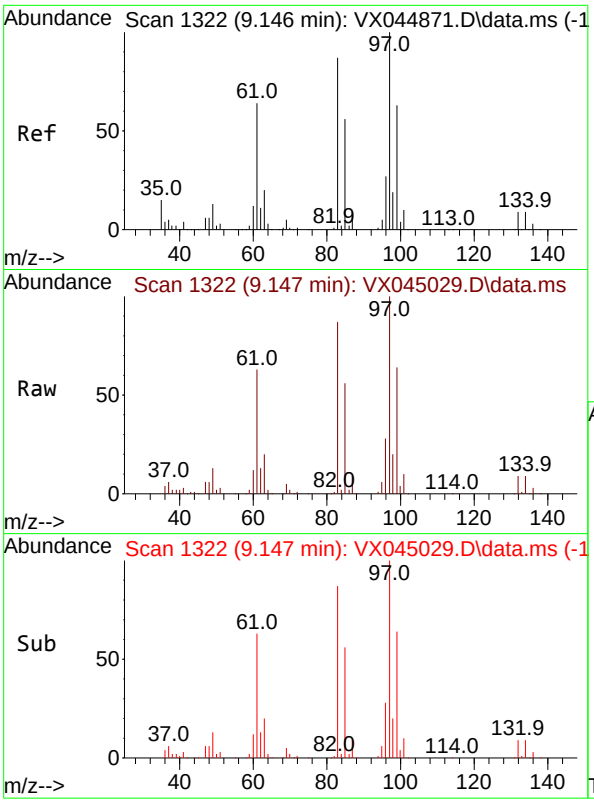


#54
cis-1,3-Dichloropropene
Concen: 52.194 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 108760

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.3	37.9
39	52.2	40.0	60.0



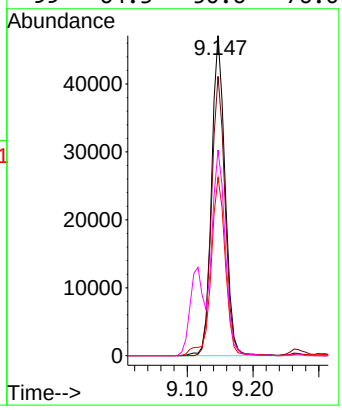


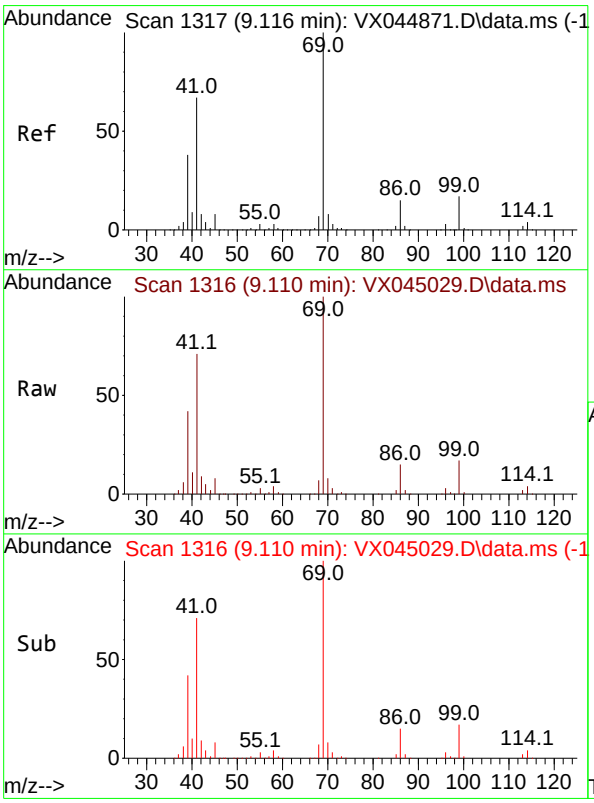
#55
1,1,2-Trichloroethane
Concen: 53.137 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 67253

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.6
85	55.7	44.8	67.2
99	64.3	50.6	76.0

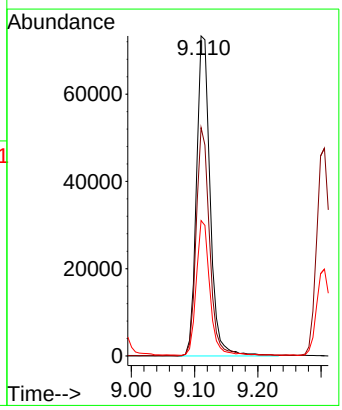


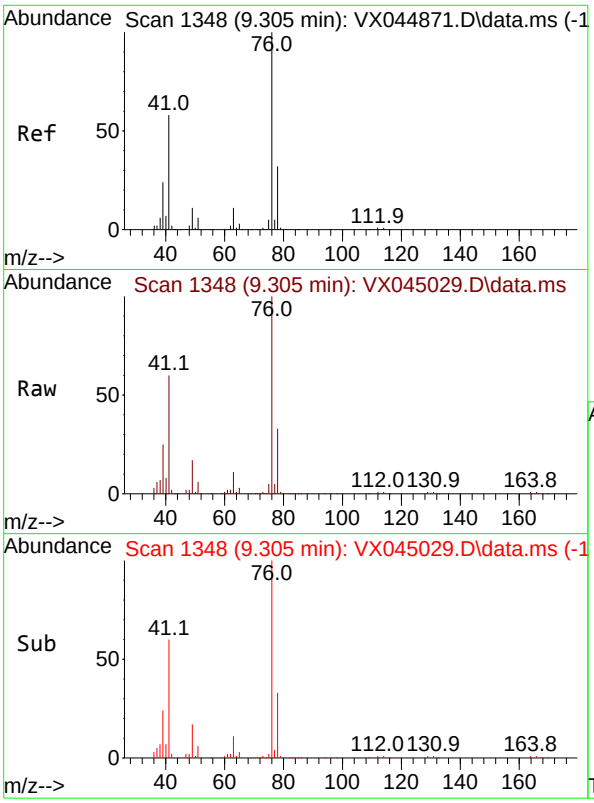


#56
Ethyl methacrylate
Concen: 54.048 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 69 Resp: 110482

Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.2	82.8
39	41.8	30.8	46.2



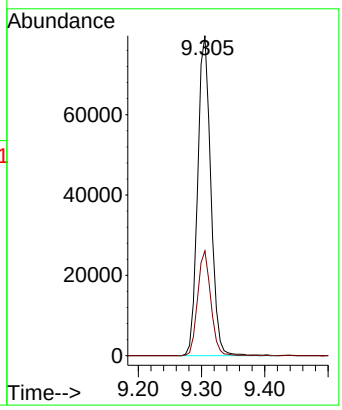


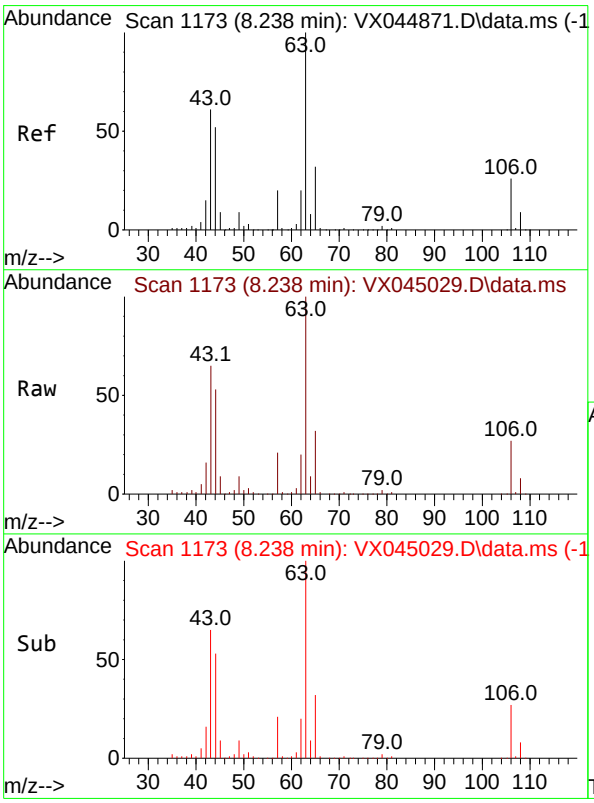
#57
1,3-Dichloropropane
Concen: 52.114 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 115405

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

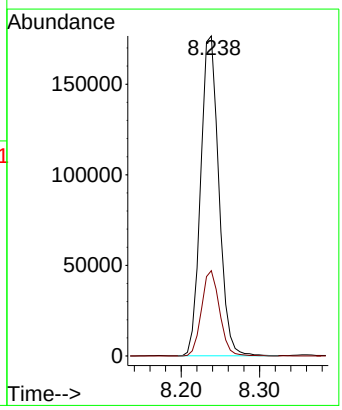


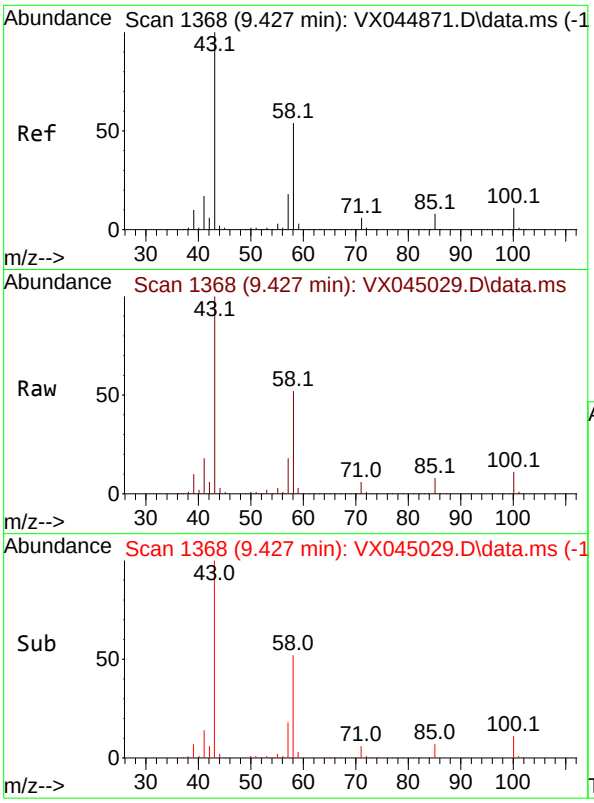


#58
2-Chloroethyl Vinyl ether
Concen: 282.696 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 63 Resp: 283740

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.3	31.9



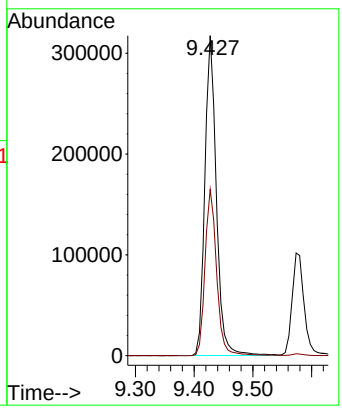


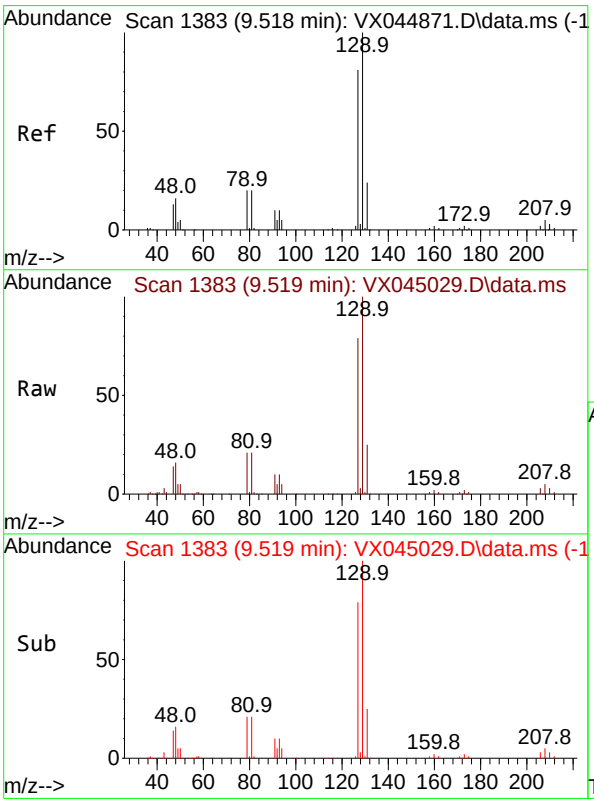
#59
2-Hexanone
Concen: 310.511 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 432517

Ion	Ratio	Lower	Upper
43	100		
58	52.6	27.5	82.4

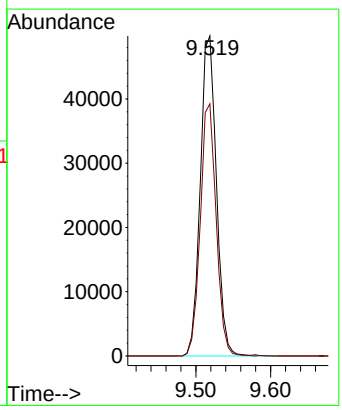


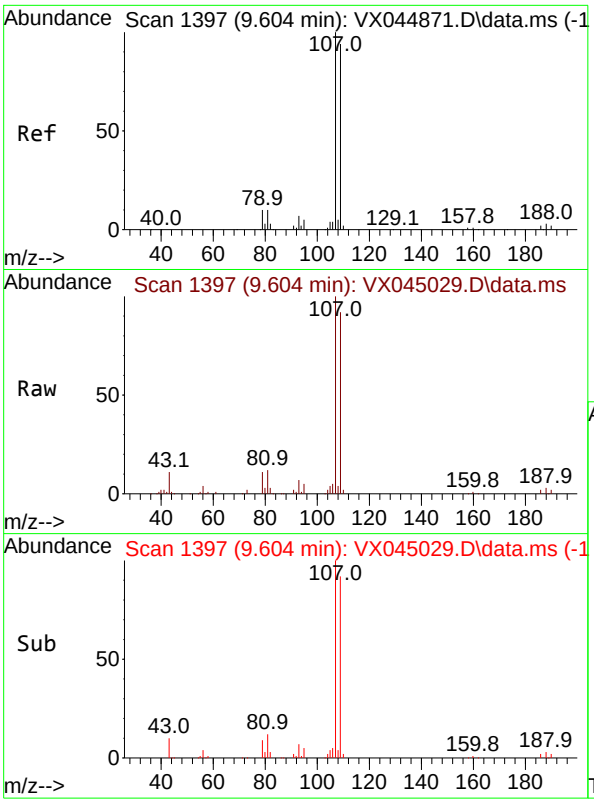


#60
Dibromochloromethane
Concen: 54.989 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:129 Resp: 74430

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.3



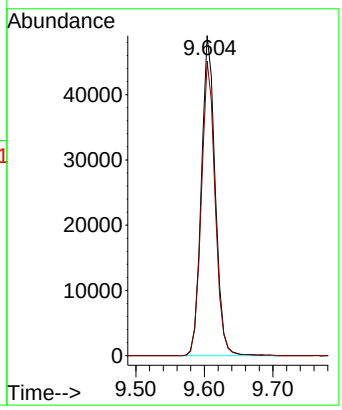


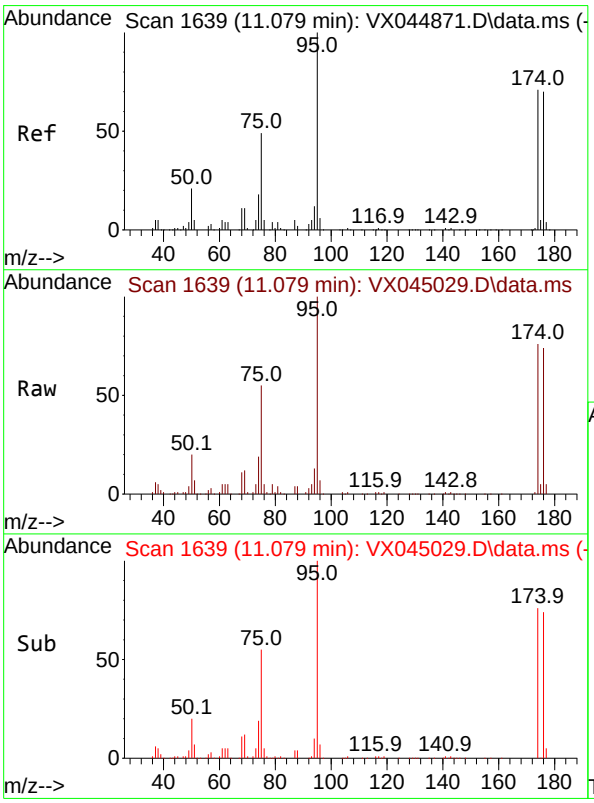
#61
1,2-Dibromoethane
Concen: 53.751 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 68951

Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.9	113.9

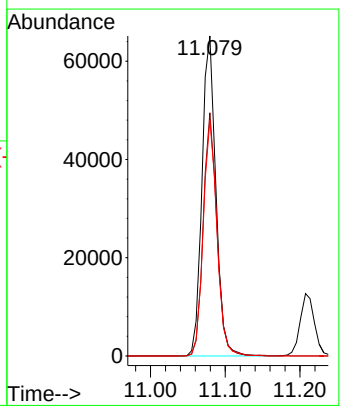


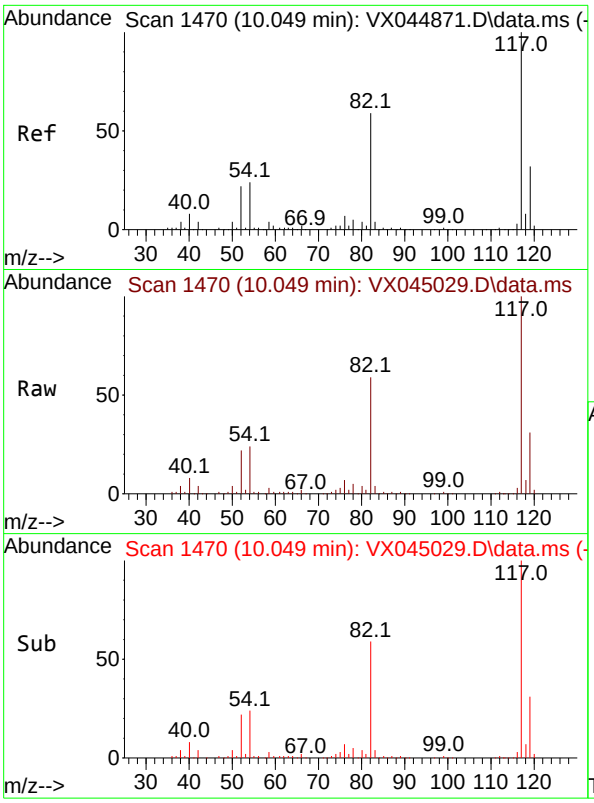


#62
4-Bromofluorobenzene
Concen: 53.745 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 95 Resp: 84075

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	142.6
176	72.5	0.0	141.6



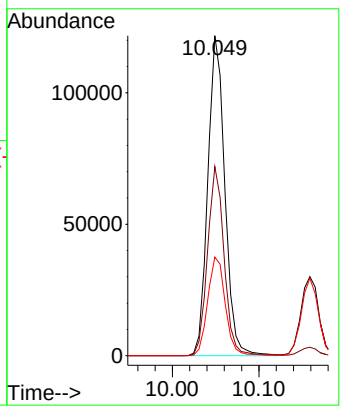


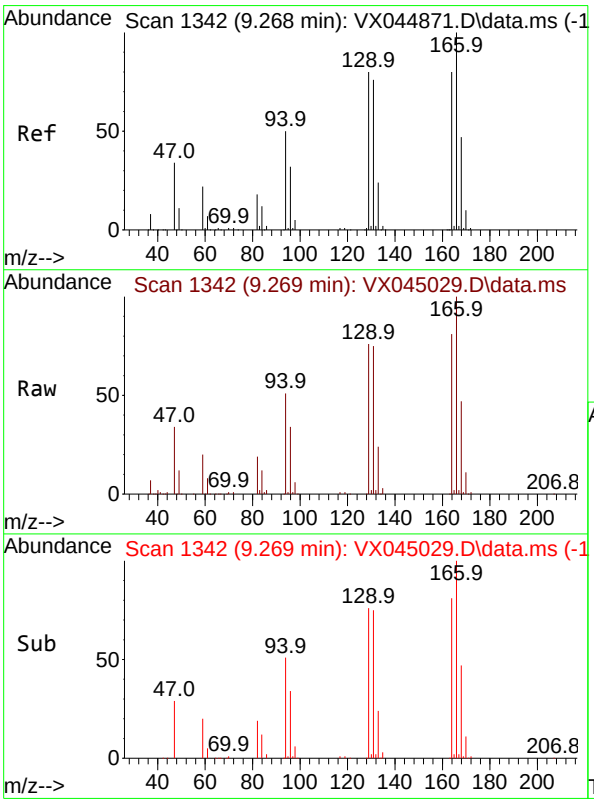
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 166334

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.5	71.3
119	30.8	25.4	38.0

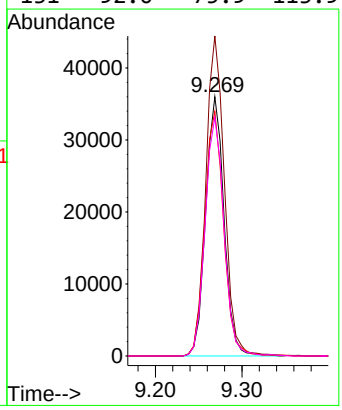


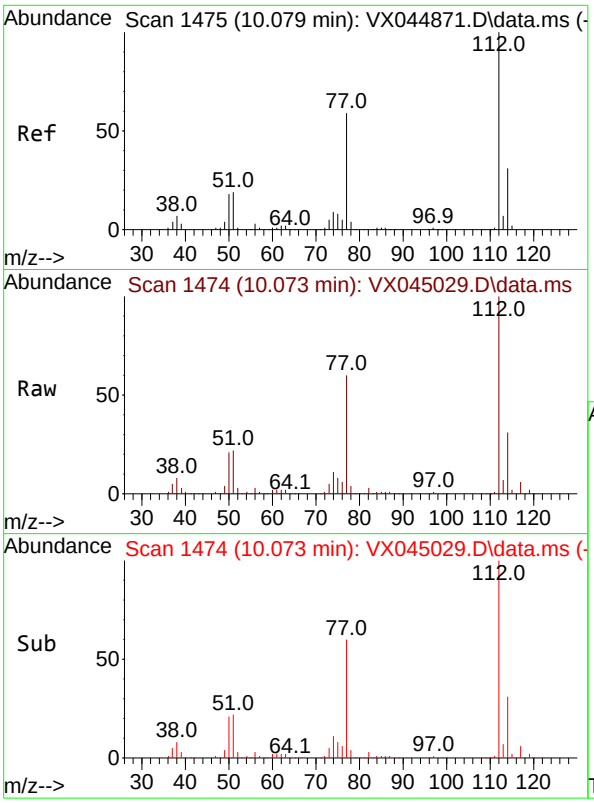


#64
Tetrachloroethene
Concen: 50.505 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:164 Resp: 52979

Ion	Ratio	Lower	Upper
164	100		
166	123.4	100.4	150.6
129	94.3	79.9	119.9
131	92.0	75.9	113.9



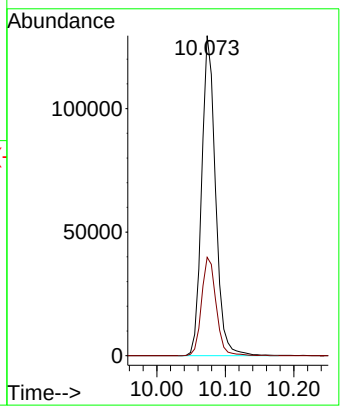


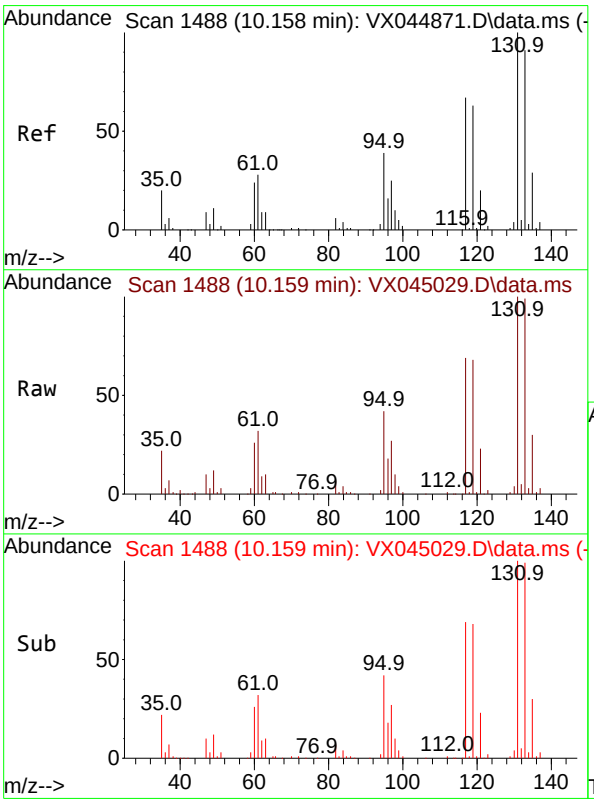
#65
Chlorobenzene
Concen: 51.053 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 182394

Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.0	37.6

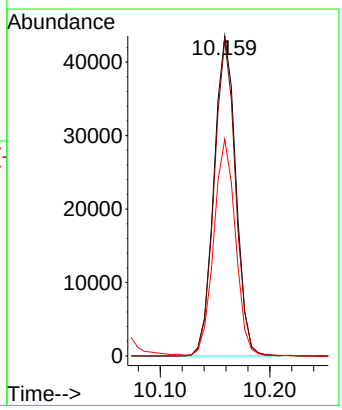


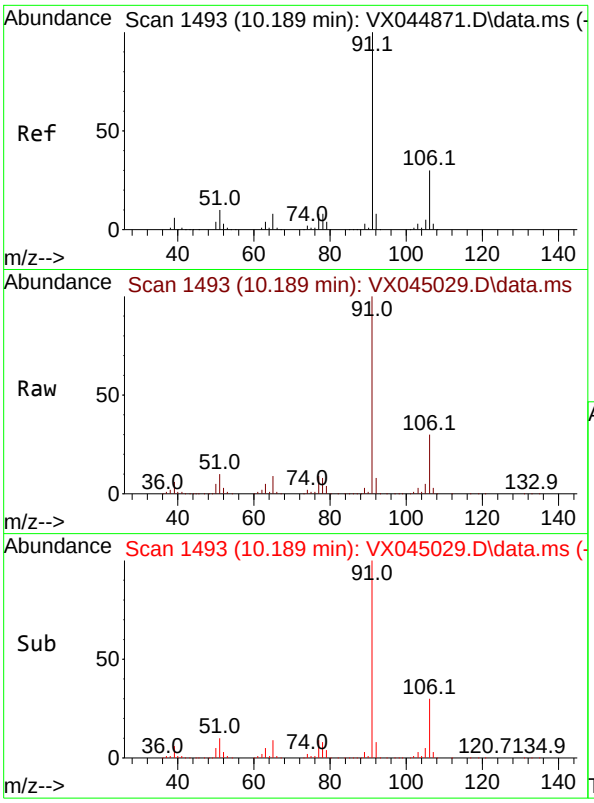


#66
1,1,1,2-Tetrachloroethane
Concen: 52.573 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:131 Resp: 60454

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.1	141.3
119	67.0	33.6	100.6



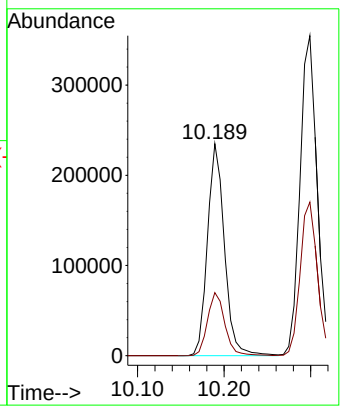


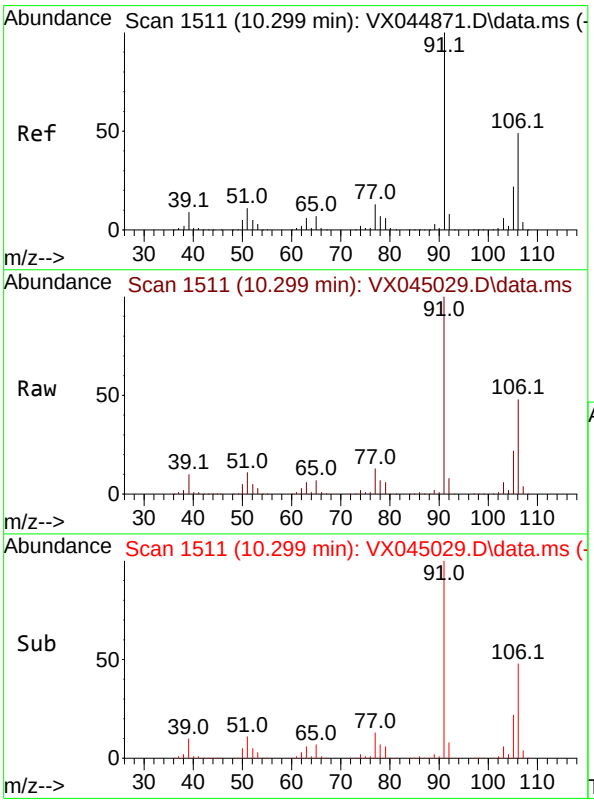
#67
Ethyl Benzene
Concen: 50.837 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 320501

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9

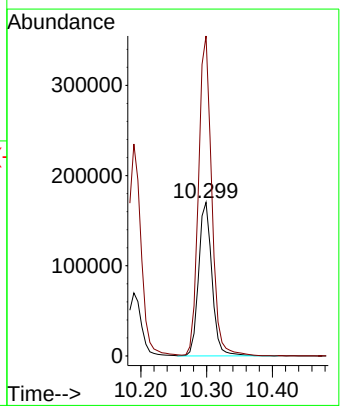


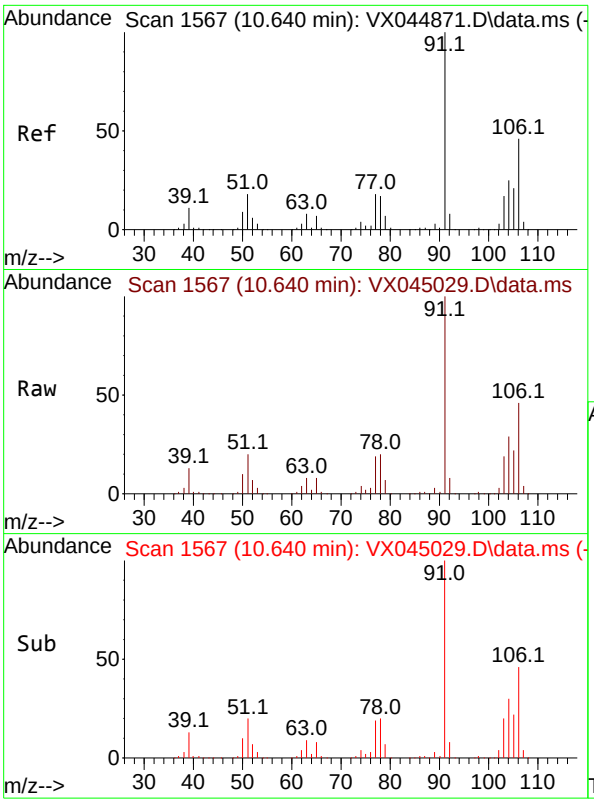


#68
m/p-Xylenes
Concen: 102.928 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:106 Resp: 239374

Ion	Ratio	Lower	Upper
106	100		
91	206.6	164.3	246.5



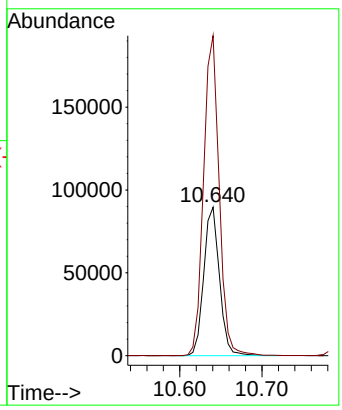


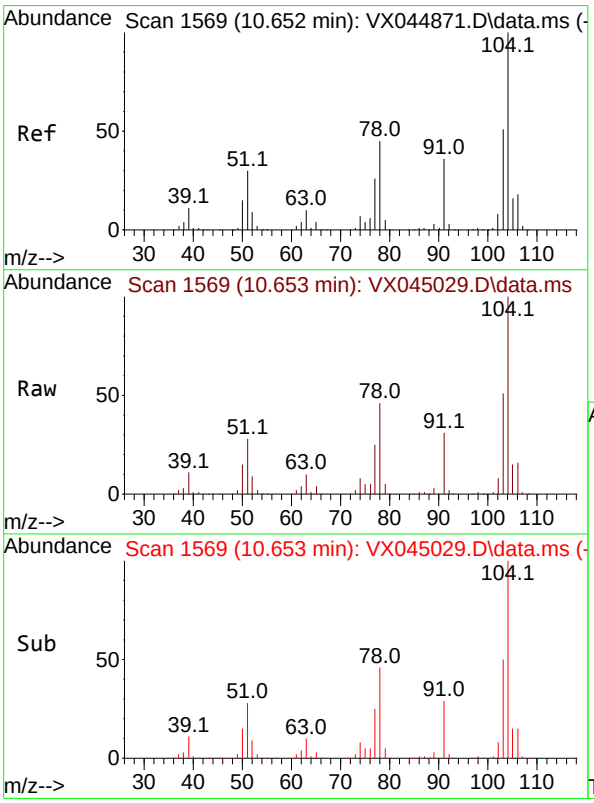
#69
o-Xylene
Concen: 51.027 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 119076

Ion	Ratio	Lower	Upper
106	100		
91	214.3	108.5	325.5

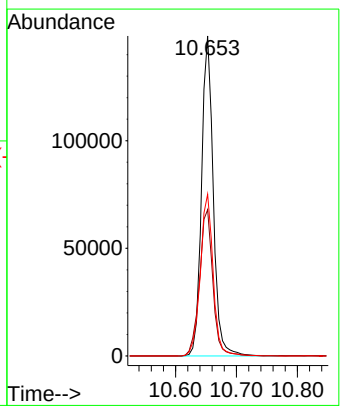


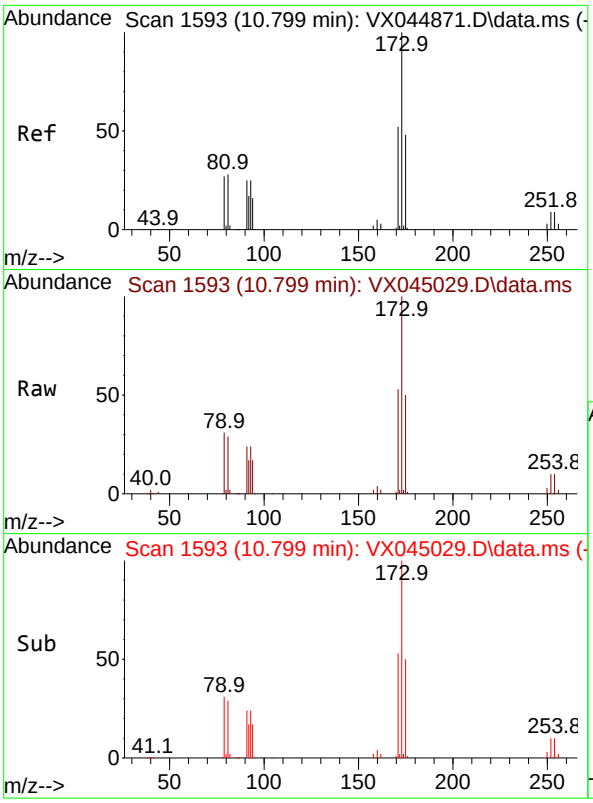


#70
Styrene
Concen: 53.091 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:104 Resp: 199603

Ion	Ratio	Lower	Upper
104	100		
78	52.0	40.5	60.7
103	55.3	43.6	65.4



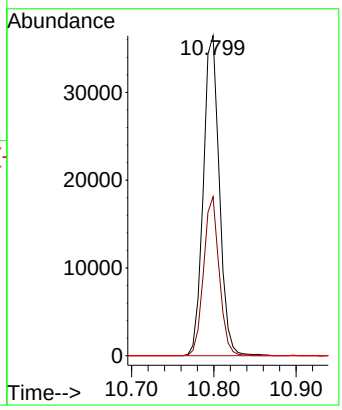


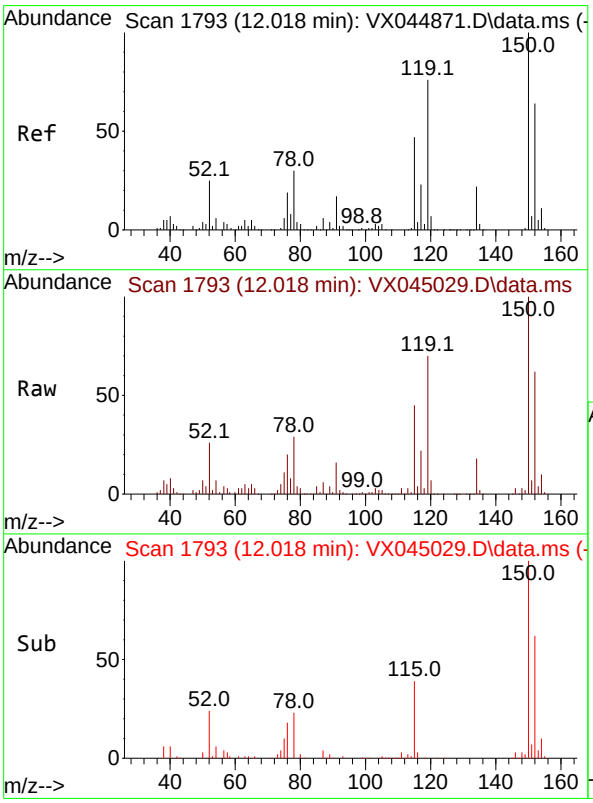
#71
Bromoform
Concen: 57.661 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 49483

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.8
254	0.0	0.0	0.0

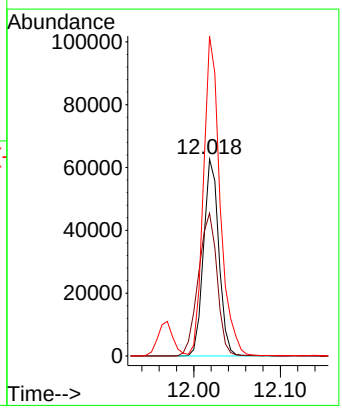


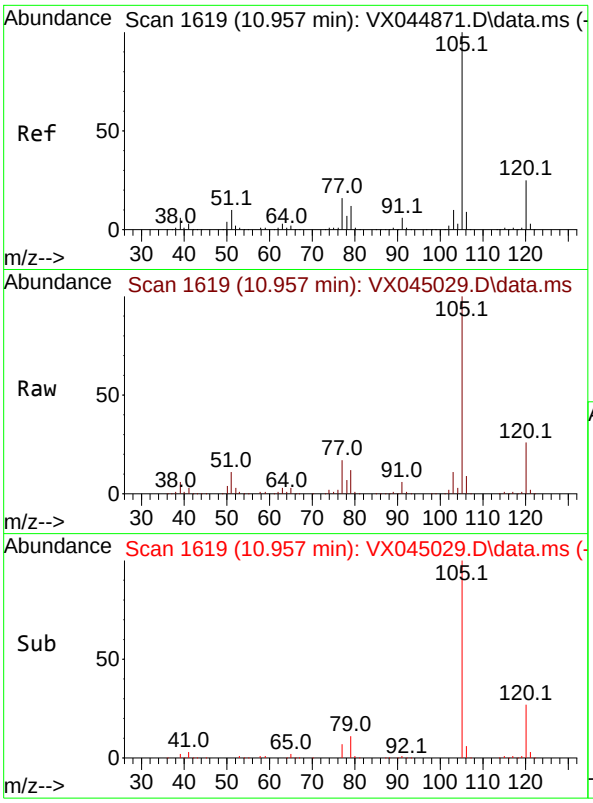


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:152 Resp: 76720

Ion	Ratio	Lower	Upper
152	100		
115	89.0	43.4	130.1
150	176.1	0.0	350.4



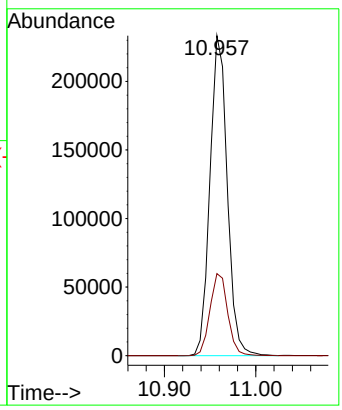


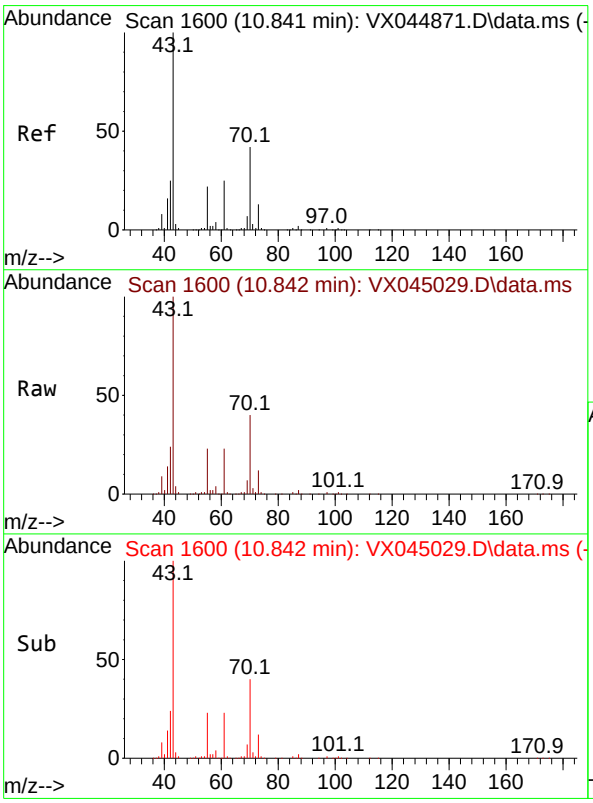
#73
Isopropylbenzene
Concen: 49.541 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 306035

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

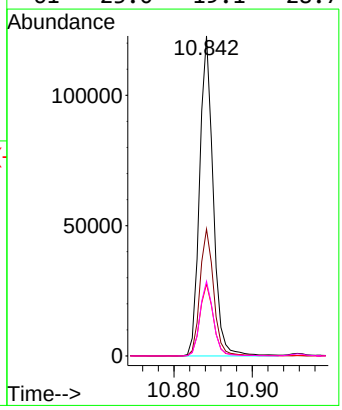


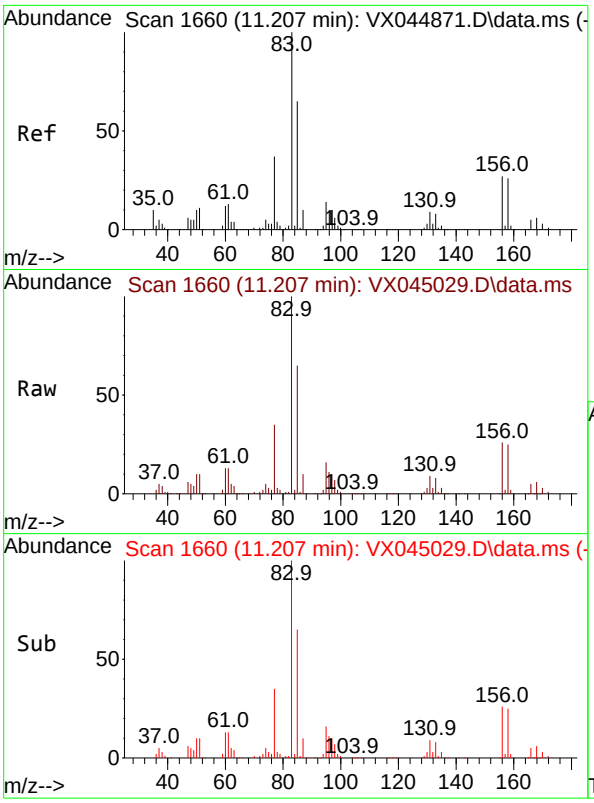


#74
N-amyl acetate
Concen: 52.789 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 147566

Ion	Ratio	Lower	Upper
43	100		
70	39.9	33.7	50.5
55	22.7	18.6	27.8
61	23.0	19.1	28.7



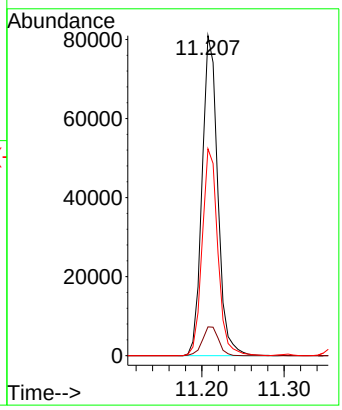


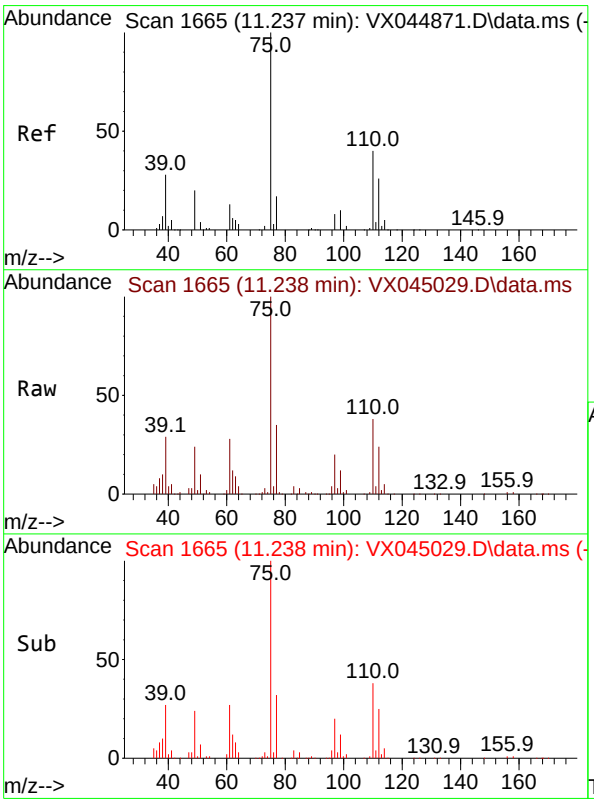
#75
1,1,2,2-Tetrachloroethane
Concen: 50.435 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 107060

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.5
85	64.6	32.3	96.8

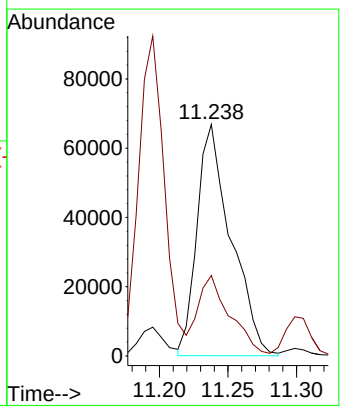


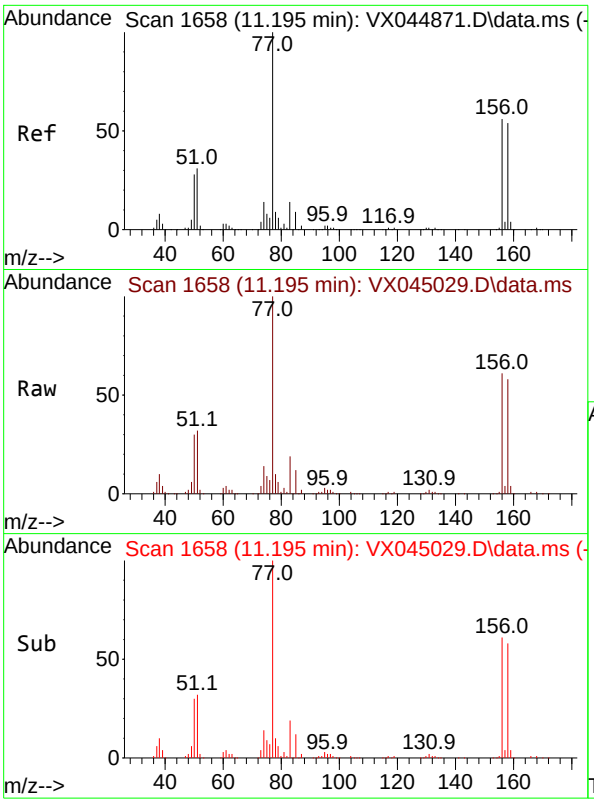


#76
1,2,3-Trichloropropane
Concen: 67.883 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 115468

Ion	Ratio	Lower	Upper
75	100		
77	32.9	21.9	65.7



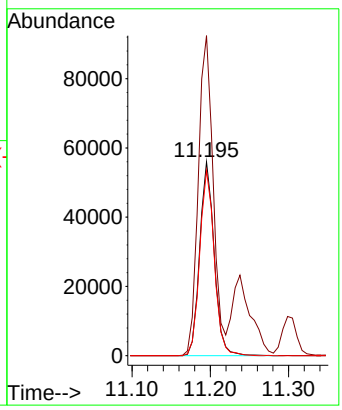


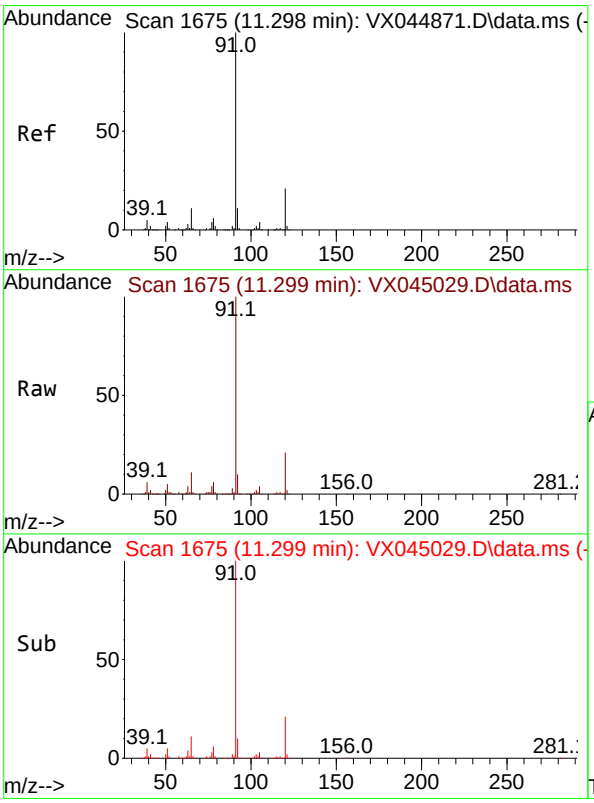
#77
Bromobenzene
Concen: 51.295 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 71839

Ion	Ratio	Lower	Upper
156	100		
77	170.2	88.4	265.3
158	96.3	48.4	145.2

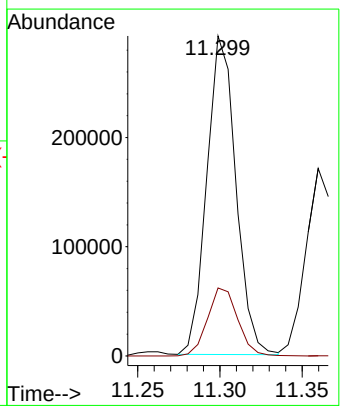


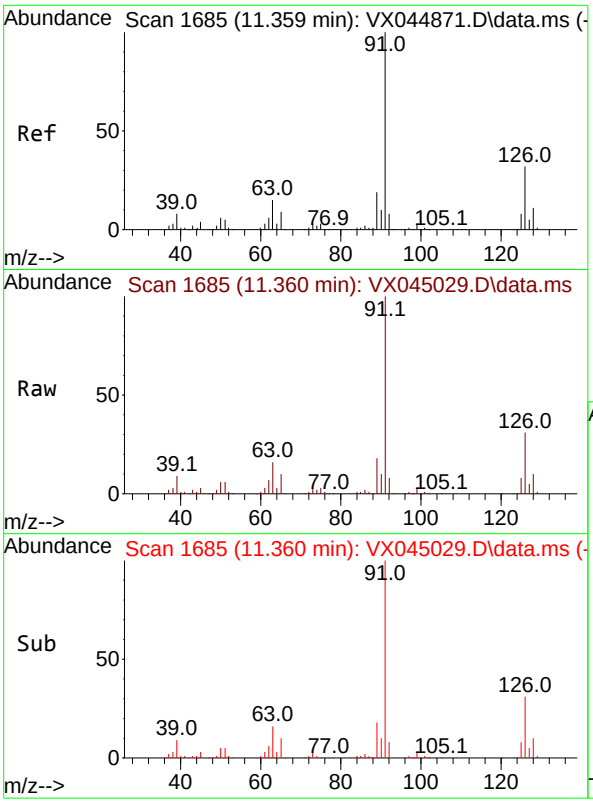


#78
n-propylbenzene
Concen: 50.330 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 358862

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3



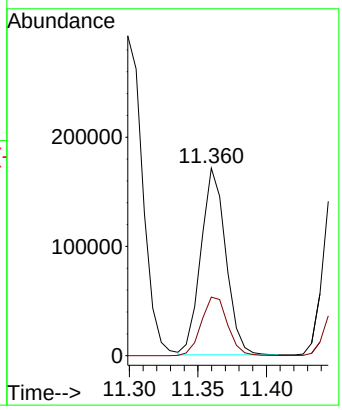


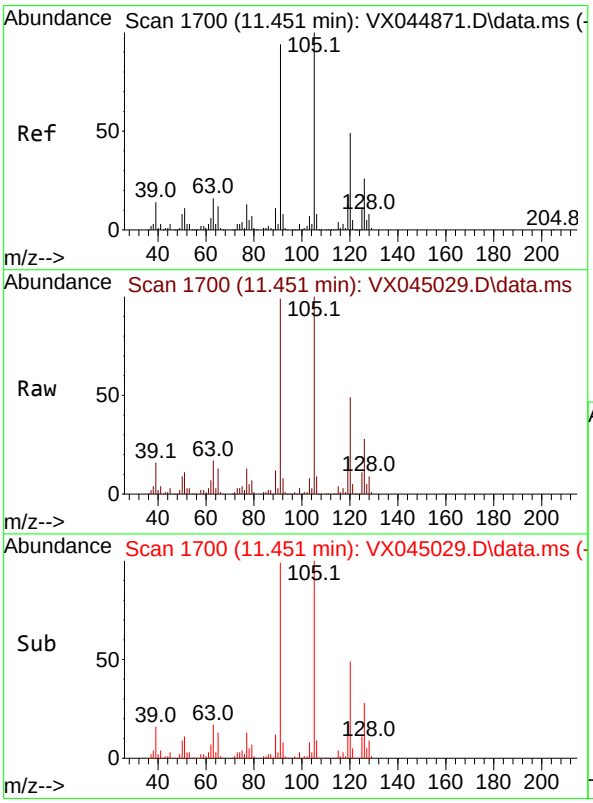
#79
2-Chlorotoluene
Concen: 49.409 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 216519

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.2	48.6

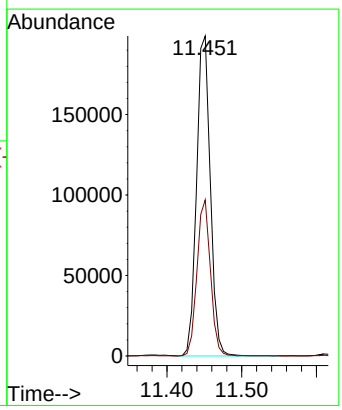


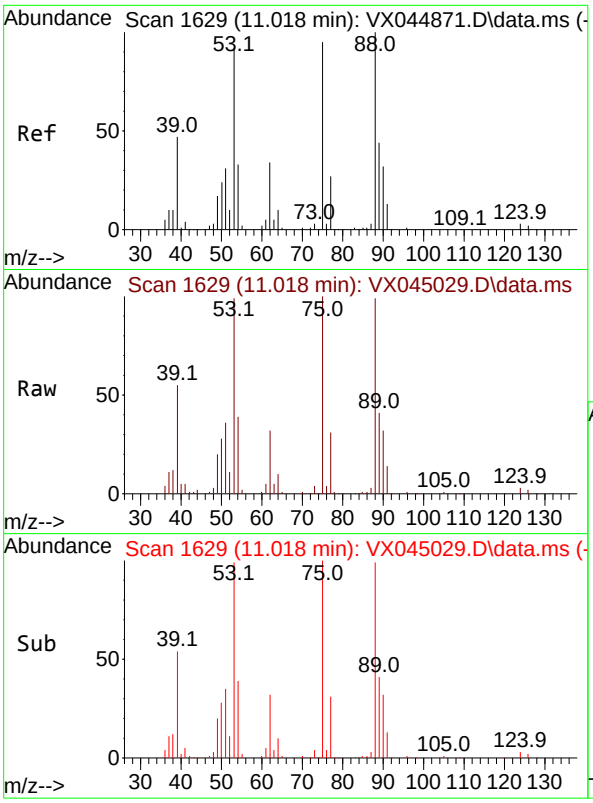


#80
1,3,5-Trimethylbenzene
Concen: 50.543 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 253369

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.0	72.0



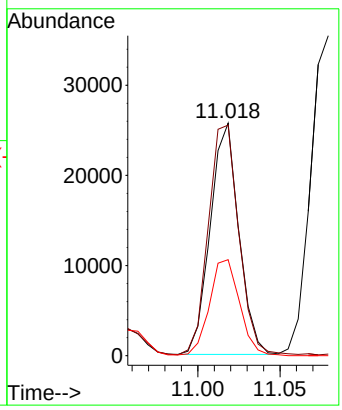


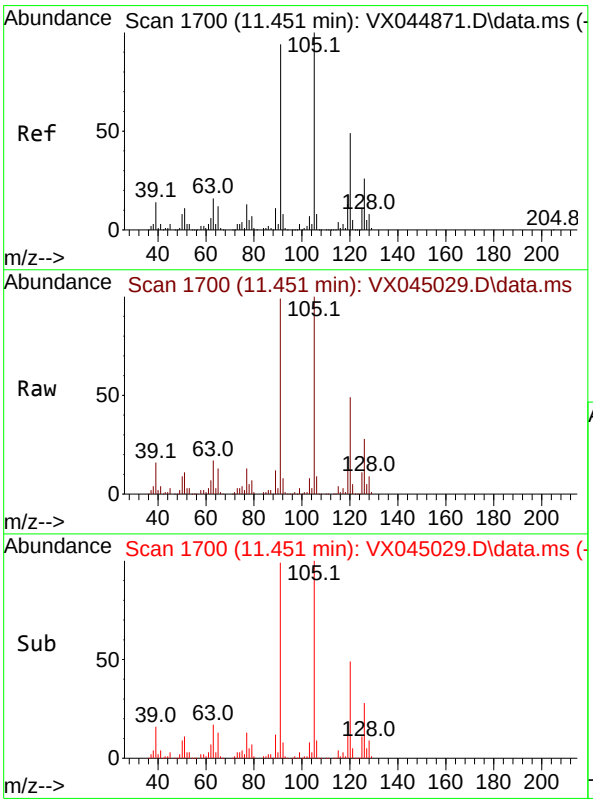
#81
trans-1,4-Dichloro-2-butene
Concen: 46.906 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 31017

Ion	Ratio	Lower	Upper
75	100		
53	107.7	78.0	117.0
89	43.8	36.6	54.8

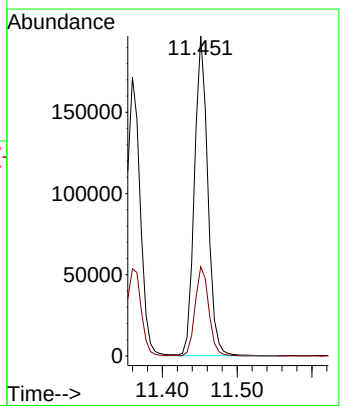


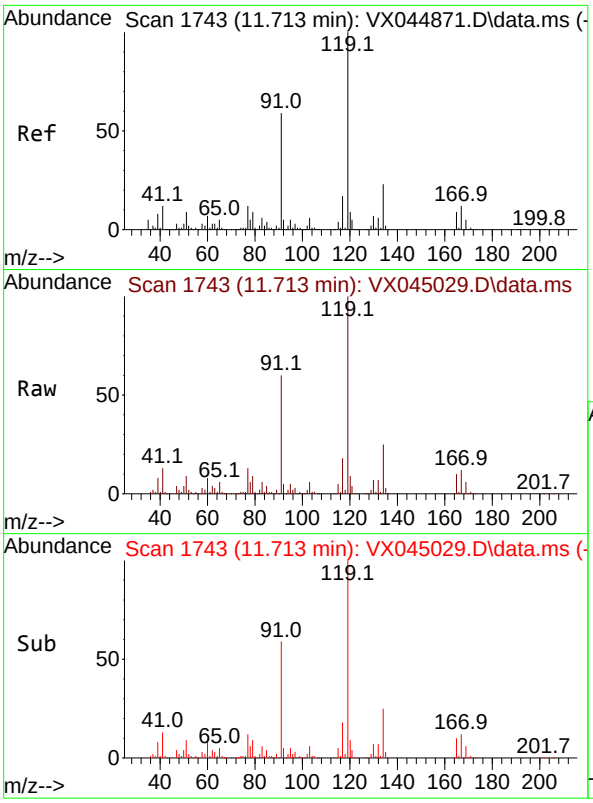


#82
4-Chlorotoluene
Concen: 50.290 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 243811

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6



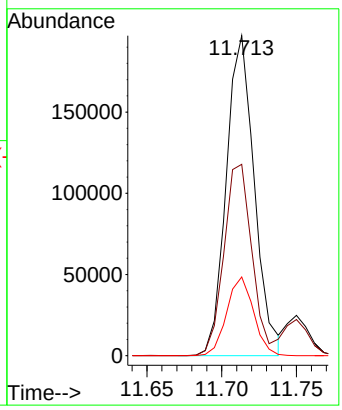


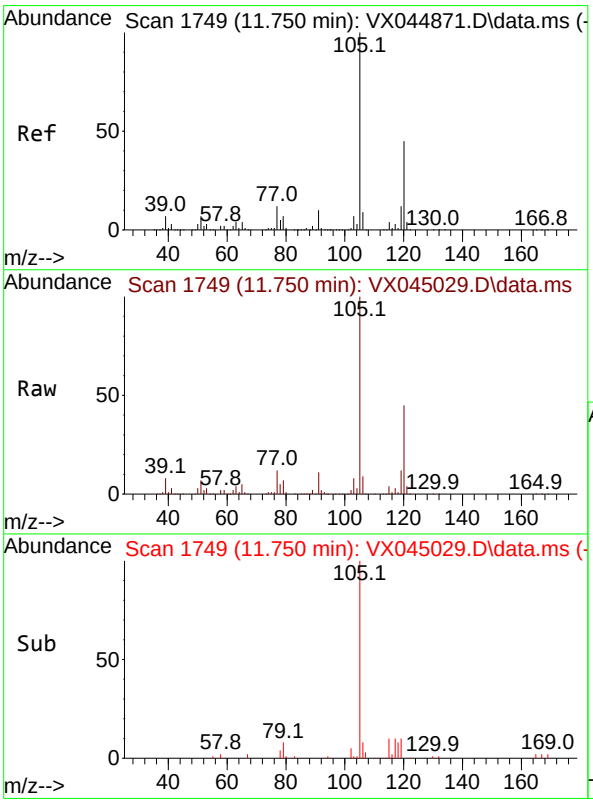
#83
tert-Butylbenzene
Concen: 50.829 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 257768

Ion	Ratio	Lower	Upper
119	100		
91	59.1	29.1	87.4
134	23.5	11.5	34.5

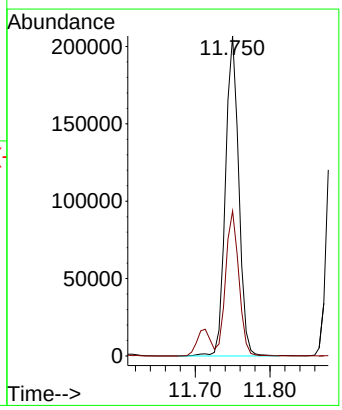


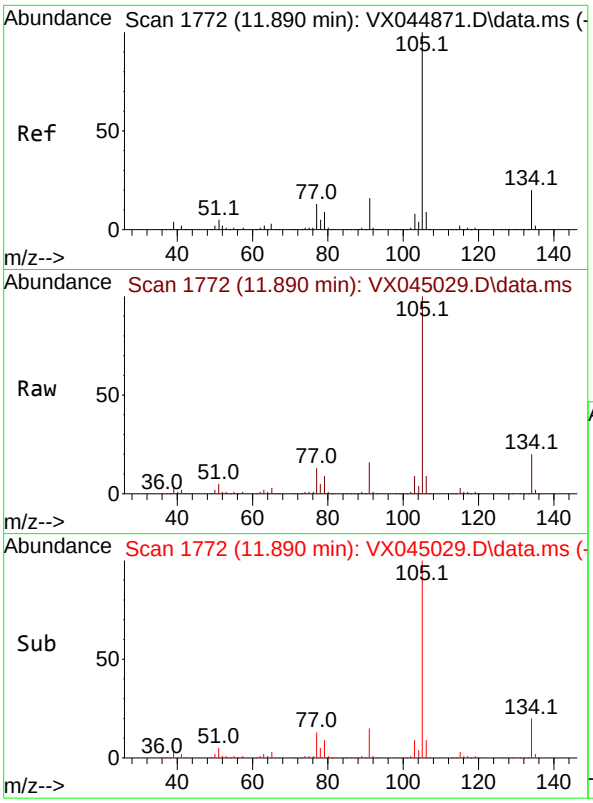


#84
1,2,4-Trimethylbenzene
Concen: 51.588 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 255246

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.0



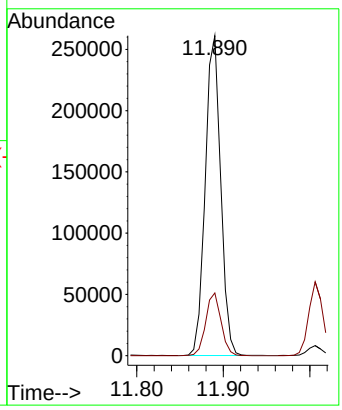


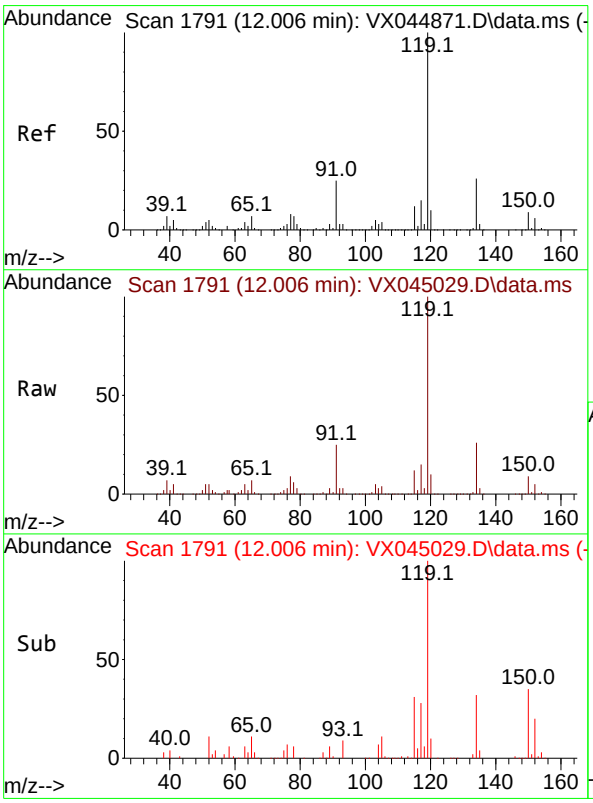
#85
sec-Butylbenzene
Concen: 51.431 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 322972

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

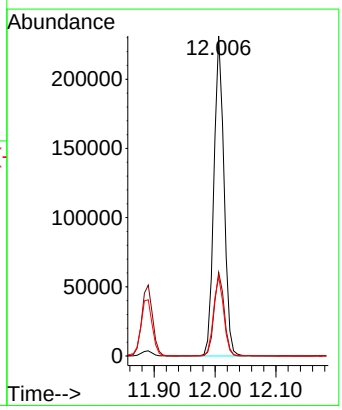


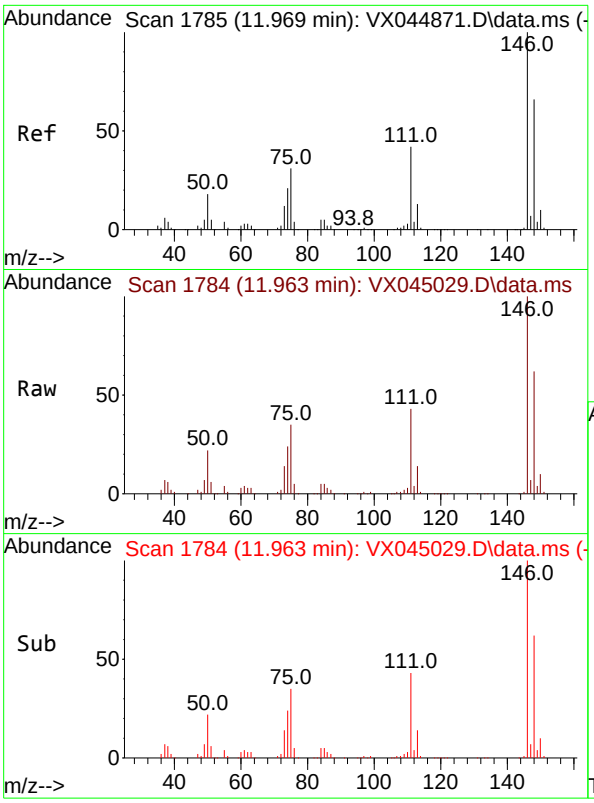


#86
p-Isopropyltoluene
Concen: 52.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:119 Resp: 265185

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.9	12.1	36.3



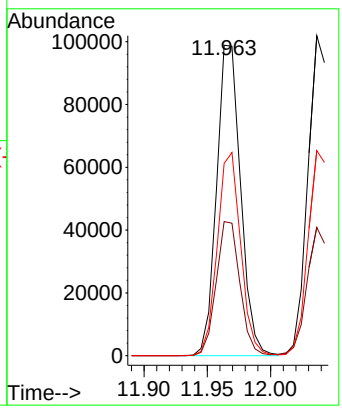


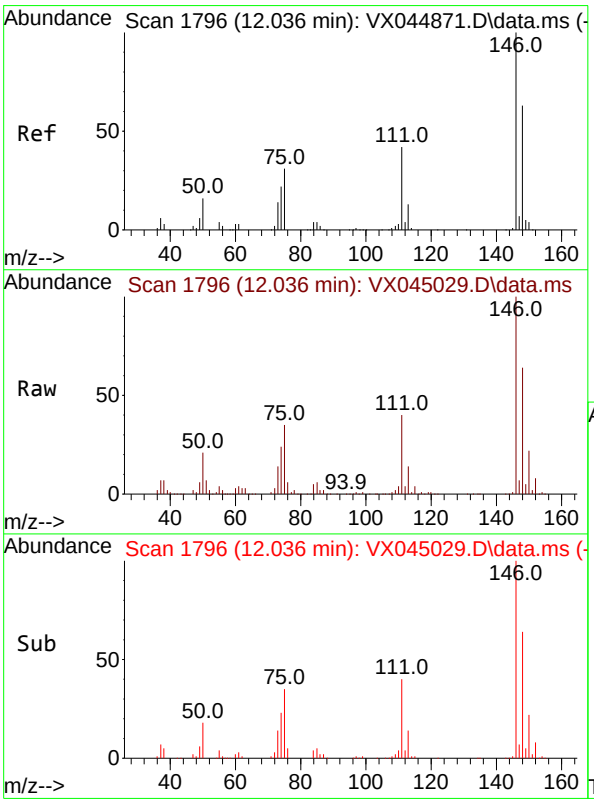
#87
1,3-Dichlorobenzene
Concen: 50.690 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 130550

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.2	63.6
148	63.7	32.5	97.5

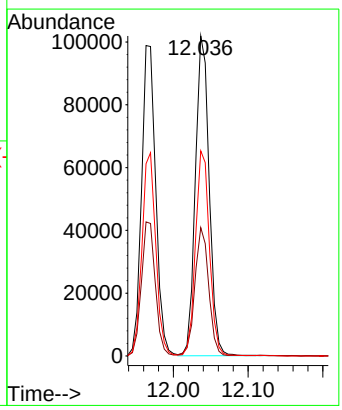


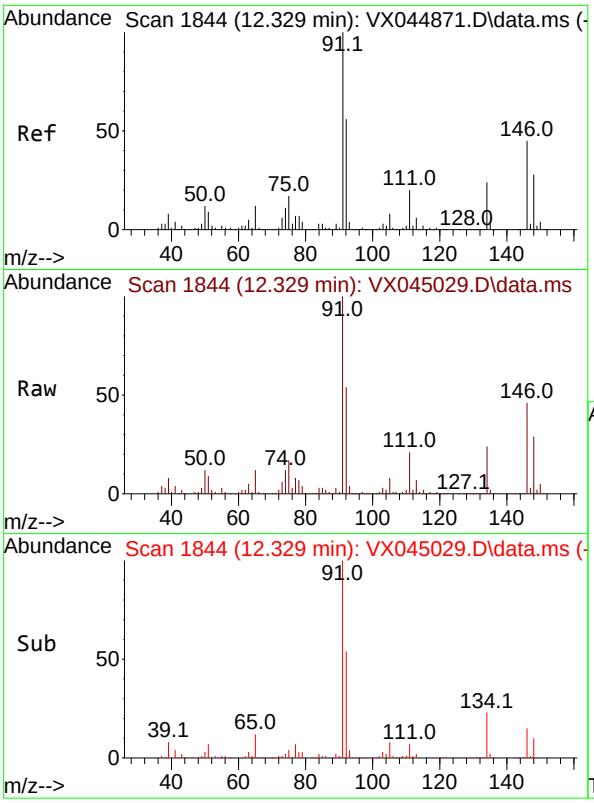


#88
1,4-Dichlorobenzene
Concen: 50.162 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:146 Resp: 130623

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	64.9	32.0	96.0



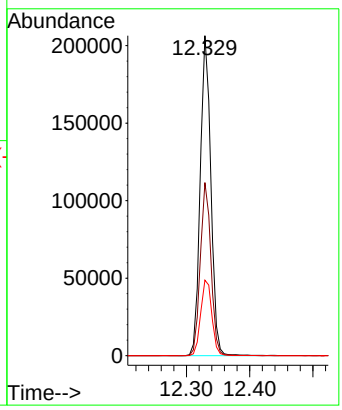


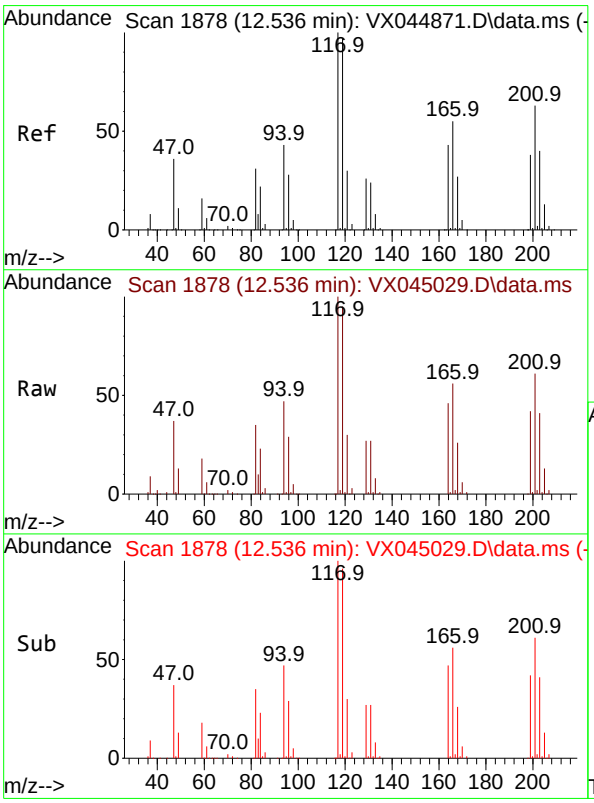
#89
n-Butylbenzene
Concen: 54.129 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 241837

Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.6
134	24.8	12.1	36.3

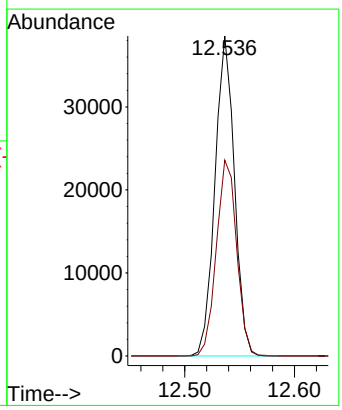


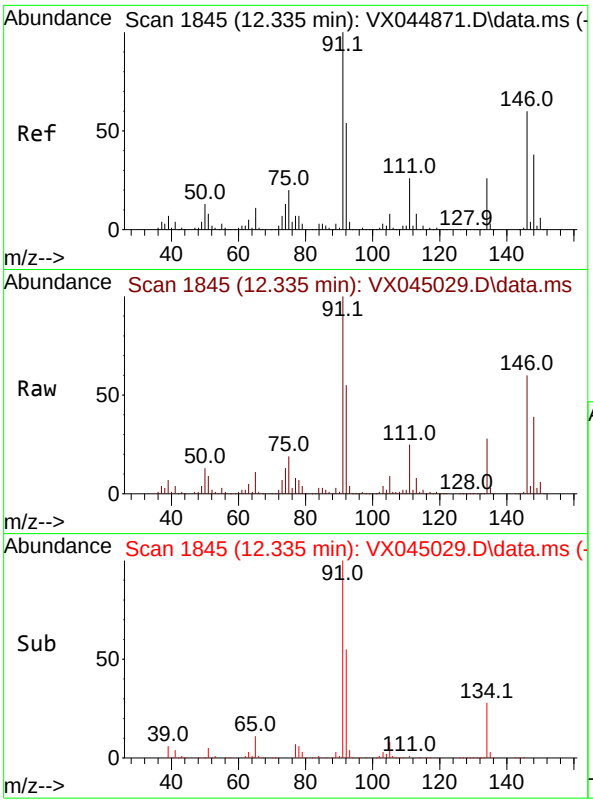


#90
Hexachloroethane
Concen: 50.227 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:117 Resp: 47494

Ion	Ratio	Lower	Upper
117	100		
201	64.1	32.5	97.5



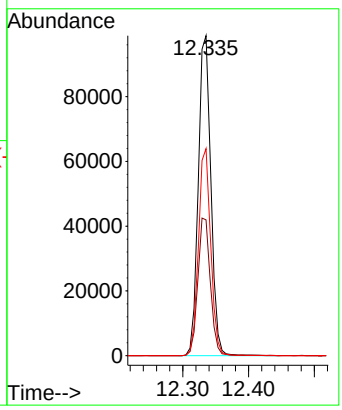


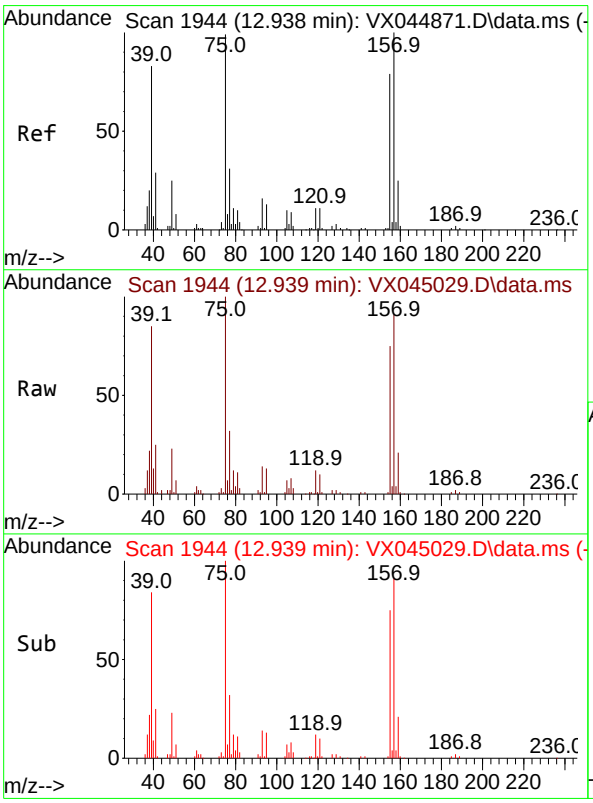
#91
1,2-Dichlorobenzene
Concen: 51.908 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 131390

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.4
148	62.9	31.9	95.9

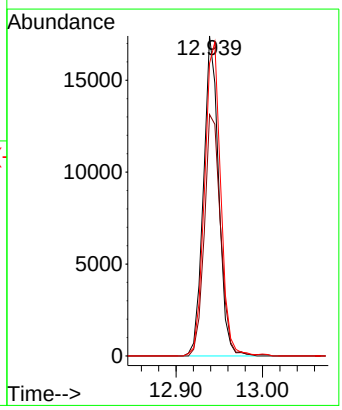


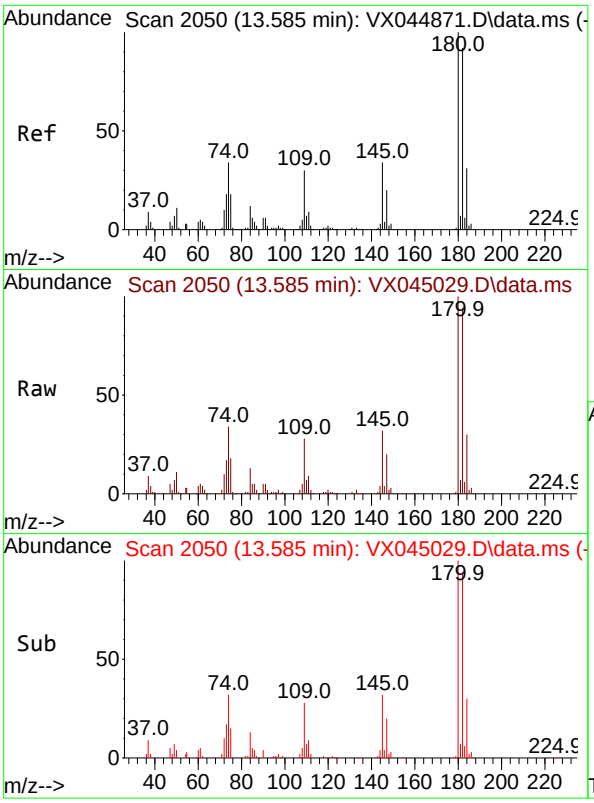


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.762 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 21216

Ion	Ratio	Lower	Upper
75	100		
155	80.2	40.5	121.4
157	104.5	51.4	154.3



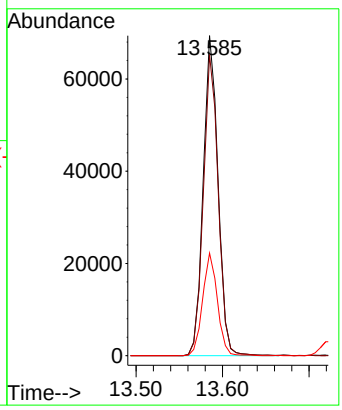


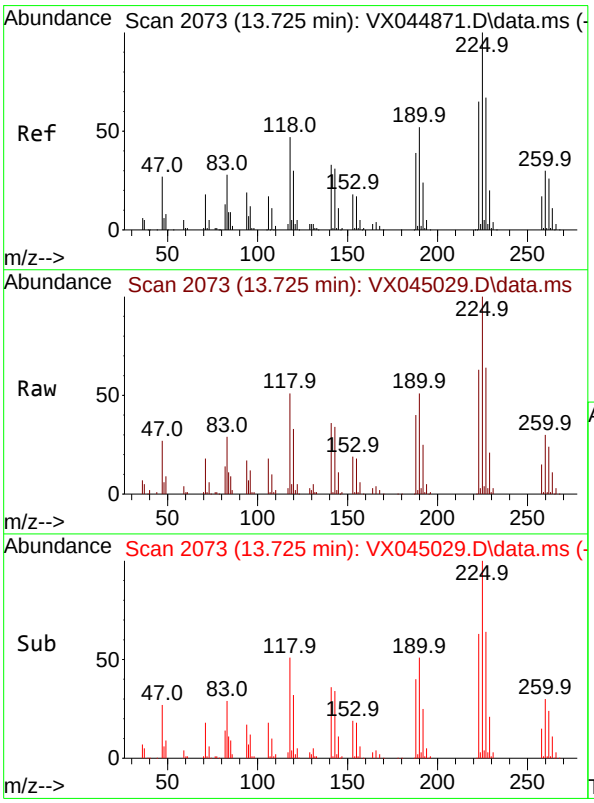
#93
1,2,4-Trichlorobenzene
Concen: 53.815 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 82426

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.6	142.8
145	31.9	16.4	49.1

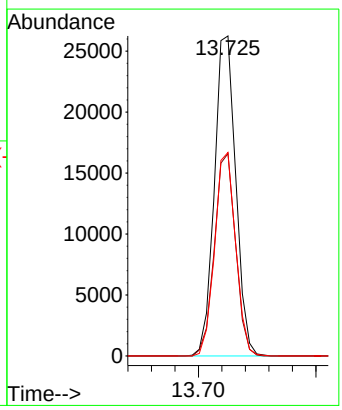


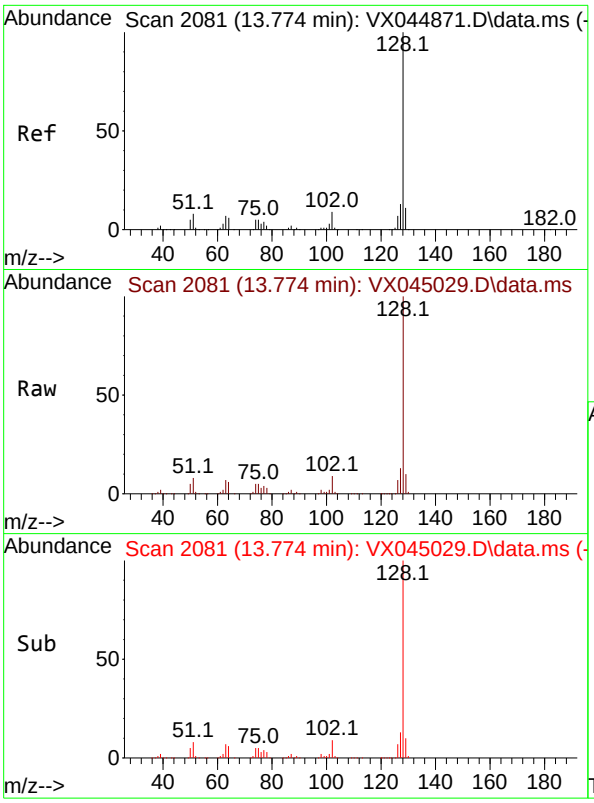


#94
Hexachlorobutadiene
Concen: 54.720 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:225 Resp: 33272

Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.4	94.2
227	62.2	32.3	96.8



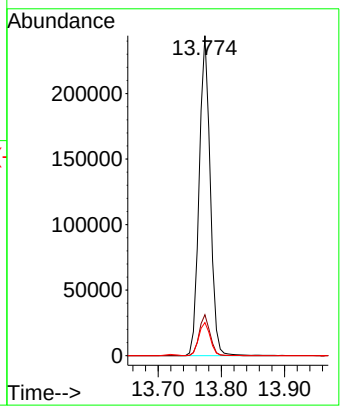


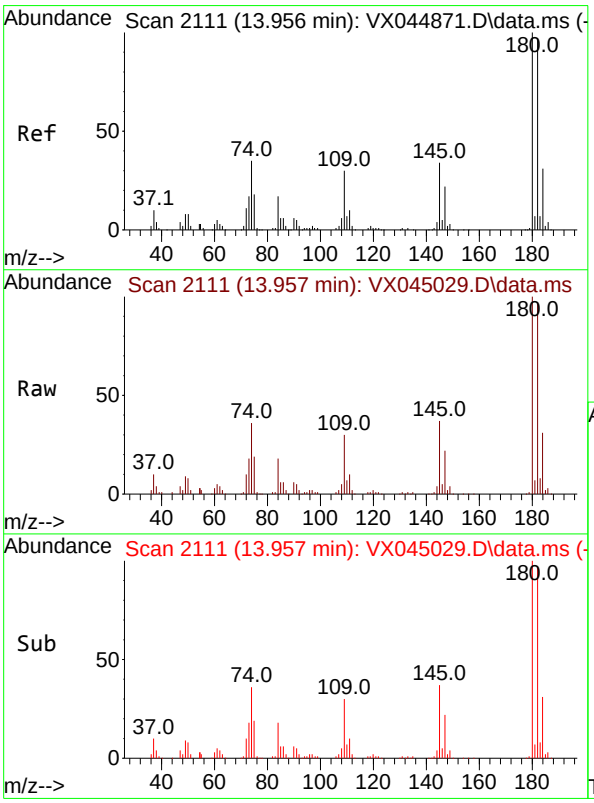
#95
Naphthalene
Concen: 53.704 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 297344

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.8	8.9	13.3

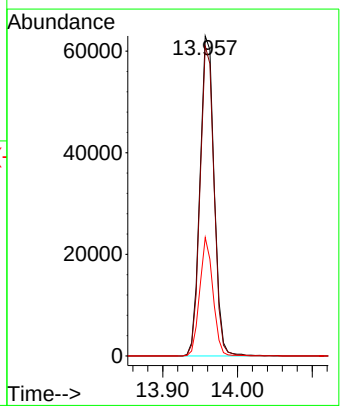




#96
1,2,3-Trichlorobenzene
Concen: 53.834 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:180 Resp: 83085

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	34.5	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045032.D
Acq On : 25 Feb 2025 12:30
Operator : JC/MD
Sample : VX0225WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Quant Time: Feb 26 03:13:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	112915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	200483	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	175398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87564	52.977	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.960%			
35) Dibromofluoromethane	5.379	113	68805	52.786	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.580%			
50) Toluene-d8	8.647	98	249185	50.555	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.120%			
62) 4-Bromofluorobenzene	11.079	95	85680	51.563	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	28050	17.712	ug/l	100
3) Chloromethane	1.307	50	29473	15.291	ug/l	97
4) Vinyl Chloride	1.374	62	30981	16.591	ug/l	99
5) Bromomethane	1.593	94	11486	20.556	ug/l	97
6) Chloroethane	1.672	64	16625	21.104	ug/l	98
7) Trichlorofluoromethane	1.880	101	43909	18.594	ug/l	97
8) Diethyl Ether	2.136	74	16376	19.122	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	27245	19.096	ug/l	100
10) Methyl Iodide	2.447	142	25726	13.913	ug/l	96
11) Tert butyl alcohol	2.971	59	33544	109.394	ug/l	99
12) 1,1-Dichloroethene	2.312	96	24745	17.002	ug/l	97
13) Acrolein	2.233	56	25019	79.081	ug/l	97
14) Allyl chloride	2.660	41	47611	18.101	ug/l	96
15) Acrylonitrile	3.062	53	87273	106.598	ug/l	98
16) Acetone	2.380	43	75220	113.203	ug/l	96
17) Carbon Disulfide	2.501	76	61168	15.327	ug/l	99
18) Methyl Acetate	2.703	43	51568	24.593	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	86972	18.782	ug/l	98
20) Methylene Chloride	2.782	84	30031	18.452	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	25284	17.651	ug/l	92
22) Diisopropyl ether	3.757	45	96394	19.371	ug/l #	86
23) Vinyl Acetate	3.721	43	389594	96.035	ug/l	100
24) 1,1-Dichloroethane	3.605	63	51948	18.657	ug/l	99
25) 2-Butanone	4.556	43	125165	116.004	ug/l	95
26) 2,2-Dichloropropane	4.471	77	39084	17.701	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	32345	18.799	ug/l	98
28) Bromochloromethane	4.897	49	28300	21.150	ug/l	99
29) Tetrahydrofuran	5.007	42	82477	115.117	ug/l	96
30) Chloroform	5.092	83	52851	19.573	ug/l	92
31) Cyclohexane	5.470	56	43850	17.083	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	42871	18.718	ug/l	98
36) 1,1-Dichloropropene	5.690	75	35238	18.738	ug/l	98
37) Ethyl Acetate	4.714	43	44803	21.419	ug/l	99
38) Carbon Tetrachloride	5.672	117	36171	19.628	ug/l	95
39) Methylcyclohexane	7.373	83	44297	18.220	ug/l	99
40) Benzene	6.031	78	112321	19.128	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045032.D
Acq On : 25 Feb 2025 12:30
Operator : JC/MD
Sample : VX0225WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Quant Time: Feb 26 03:13:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	25608	22.872	ug/l		98
42) 1,2-Dichloroethane	6.086	62	39901	21.320	ug/l		99
43) Isopropyl Acetate	6.342	43	72051	21.331	ug/l		98
44) Trichloroethene	7.123	130	25763	19.194	ug/l		99
45) 1,2-Dichloropropane	7.427	63	28923	19.798	ug/l		96
46) Dibromomethane	7.580	93	20964	20.692	ug/l		98
47) Bromodichloromethane	7.818	83	40022	20.401	ug/l		99
48) Methyl methacrylate	7.690	41	34929	21.931	ug/l		97
49) 1,4-Dioxane	7.659	88	15255	446.435	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	244157	118.897	ug/l		97
52) Toluene	8.714	92	68535	19.597	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	37069	18.673	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	42772	19.324	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	27858	20.722	ug/l		97
56) Ethyl methacrylate	9.116	69	43256	19.922	ug/l		97
57) 1,3-Dichloropropane	9.305	76	48017	20.413	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	93678	87.867	ug/l		100
59) 2-Hexanone	9.427	43	178305	120.511	ug/l		97
60) Dibromochloromethane	9.518	129	29060	20.212	ug/l		99
61) 1,2-Dibromoethane	9.610	107	27734	20.354	ug/l		98
64) Tetrachloroethene	9.275	164	21268	19.227	ug/l		95
65) Chlorobenzene	10.079	112	73498	19.510	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	23471	19.356	ug/l		97
67) Ethyl Benzene	10.189	91	126463	19.022	ug/l		99
68) m/p-Xylenes	10.299	106	95213	38.825	ug/l		100
69) o-Xylene	10.640	106	47911	19.470	ug/l		100
70) Styrene	10.652	104	79389	20.025	ug/l		99
71) Bromoform	10.799	173	18971	20.964	ug/l	#	100
73) Isopropylbenzene	10.957	105	122826	19.026	ug/l		100
74) N-amyl acetate	10.841	43	56740	19.423	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	43721	19.709	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	43908	24.701	ug/l		86
77) Bromobenzene	11.195	156	29066	19.860	ug/l		93
78) n-propylbenzene	11.305	91	140796	18.896	ug/l		100
79) 2-Chlorotoluene	11.360	91	85351	18.638	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	101697	19.413	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	11282	16.327	ug/l		87
82) 4-Chlorotoluene	11.451	91	95392	18.828	ug/l		98
83) tert-Butylbenzene	11.713	119	103475	19.525	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	101154	19.564	ug/l		98
85) sec-Butylbenzene	11.890	105	125785	19.167	ug/l		100
86) p-Isopropyltoluene	12.006	119	100881	19.116	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	50150	18.633	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	50714	18.636	ug/l		99
89) n-Butylbenzene	12.329	91	87150	18.666	ug/l		99
90) Hexachloroethane	12.536	117	18072	18.288	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	50875	19.233	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8167	20.172	ug/l		98
93) 1,2,4-Trichlorobenzene	13.591	180	28457	17.779	ug/l		99
94) Hexachlorobutadiene	13.725	225	12009	18.900	ug/l		98
95) Naphthalene	13.774	128	109343	18.898	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	29764	18.454	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045032.D
Acq On : 25 Feb 2025 12:30
Operator : JC/MD
Sample : VX0225WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Quant Time: Feb 26 03:13:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

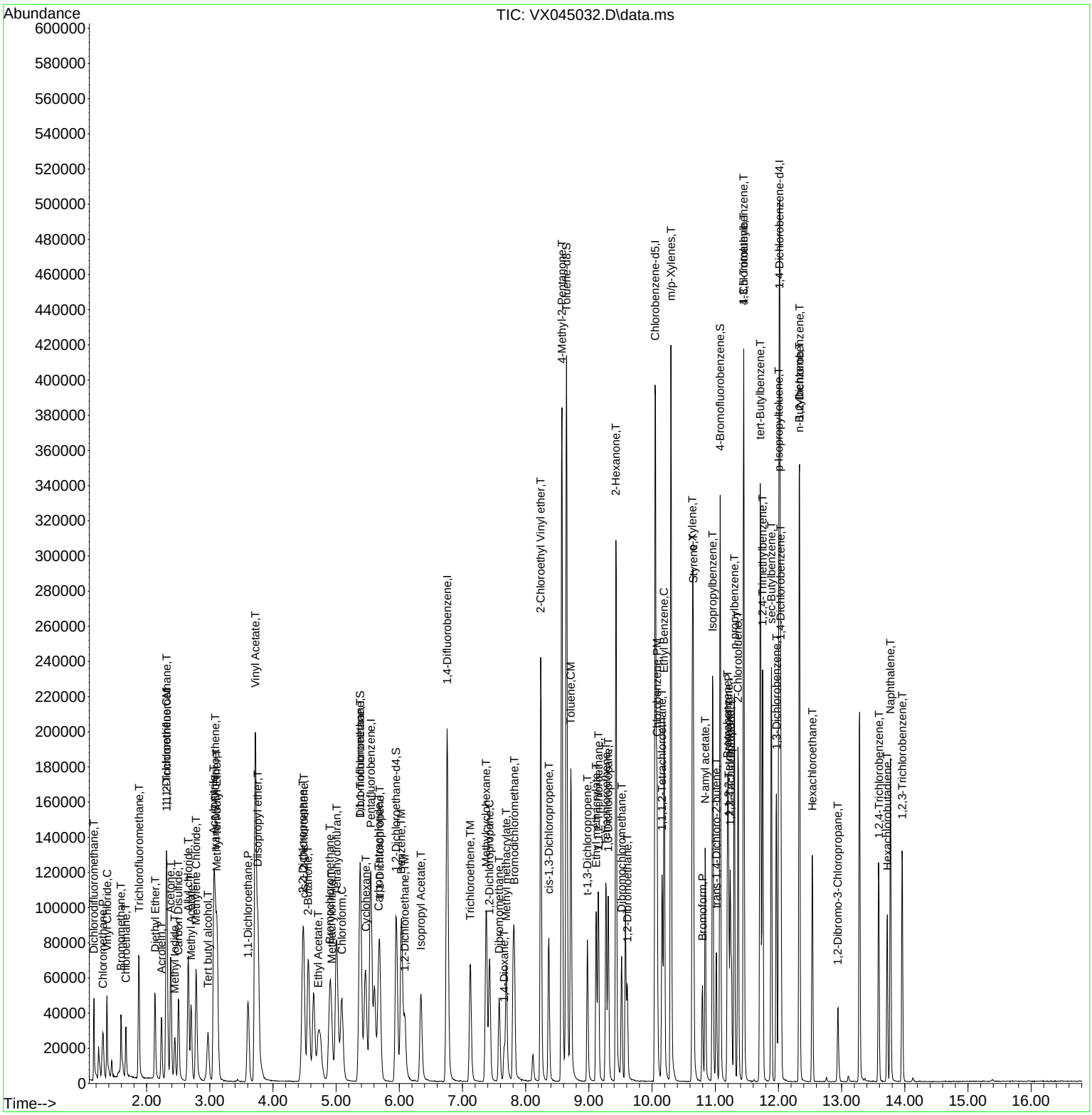
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

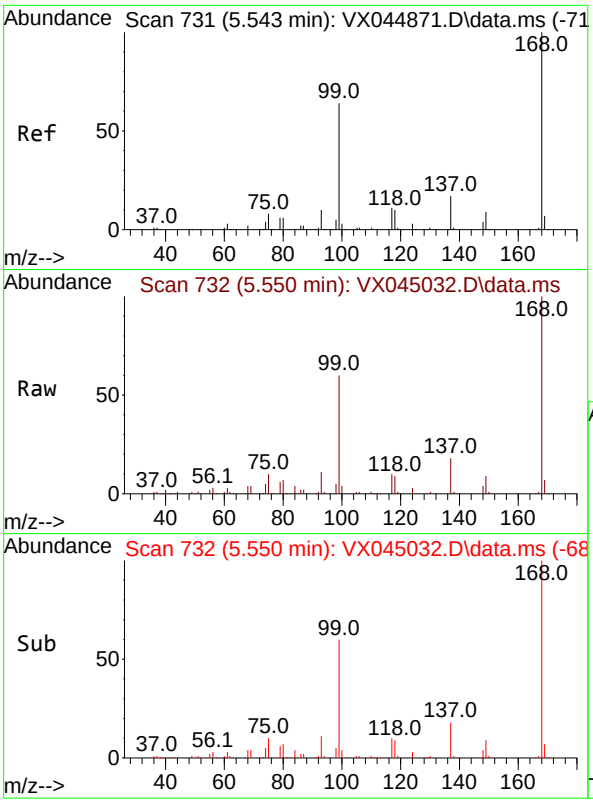
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045032.D
Acq On : 25 Feb 2025 12:30
Operator : JC/MD
Sample : VX0225WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Quant Time: Feb 26 03:13:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



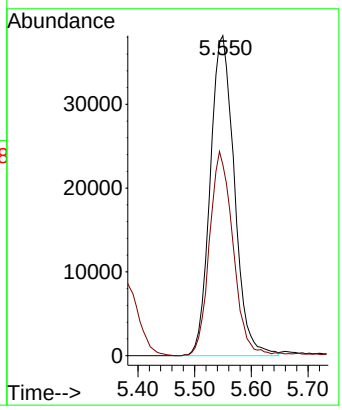


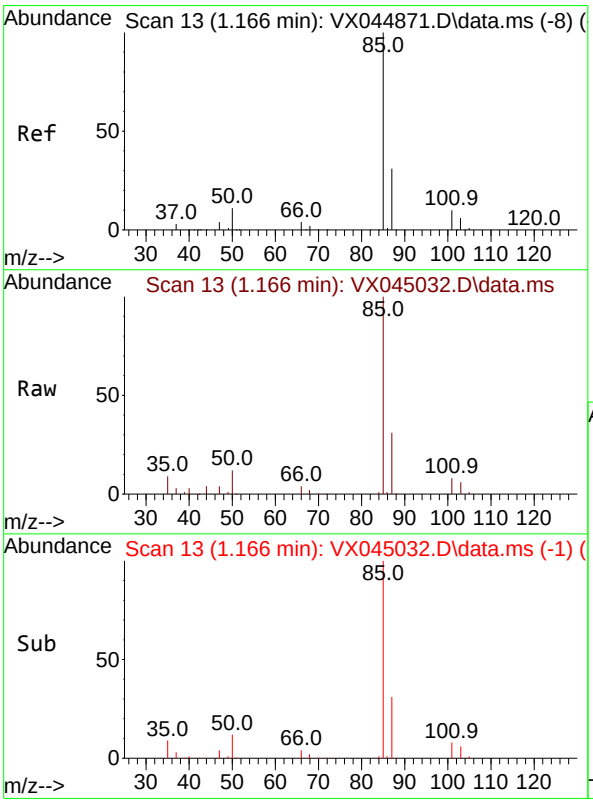
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:168 Resp: 112915

Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.2	76.8

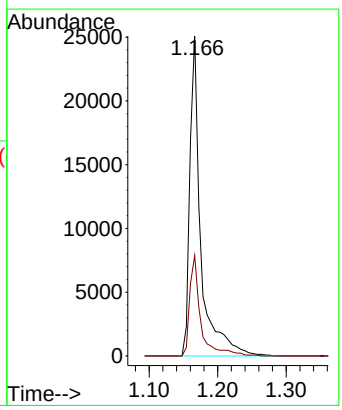


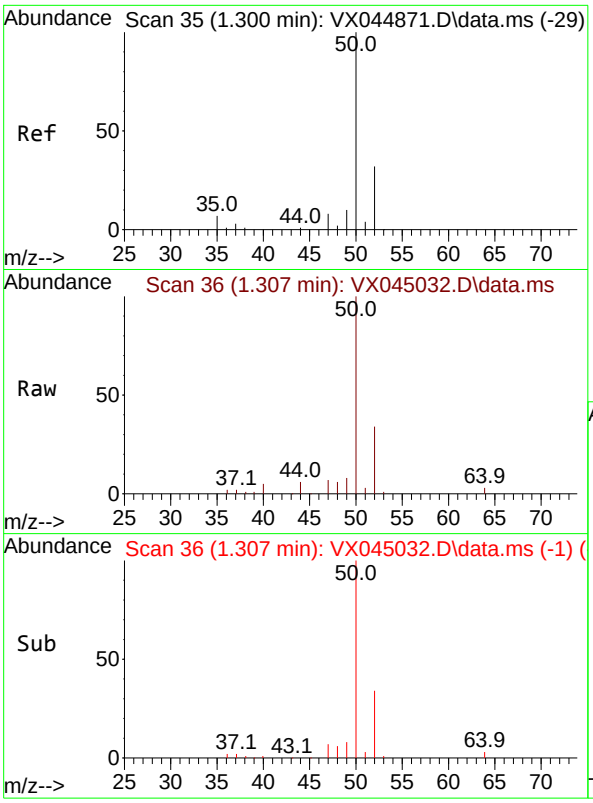


#2
Dichlorodifluoromethane
Concen: 17.712 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 85 Resp: 28050

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.8	47.3



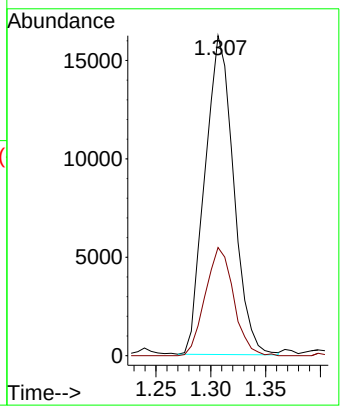


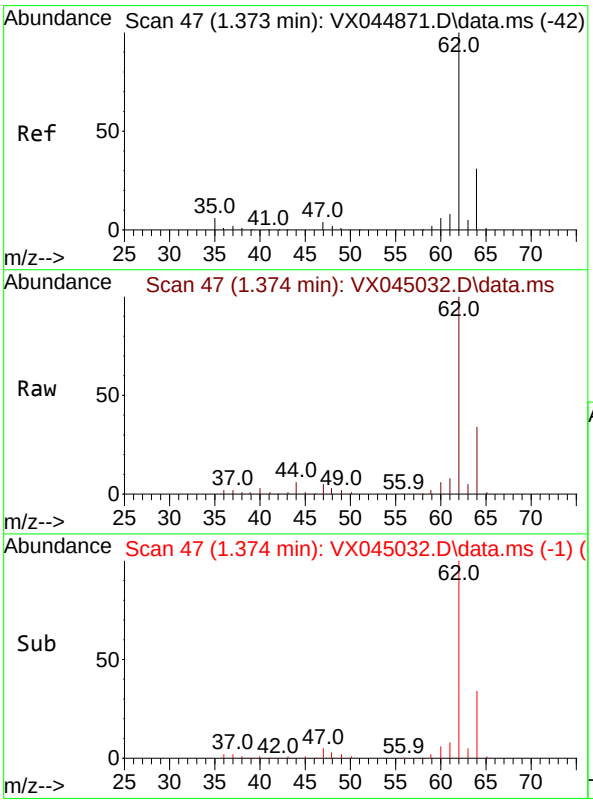
#3
Chloromethane
Concen: 15.291 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 50 Resp: 29473

Ion	Ratio	Lower	Upper
50	100		
52	34.0	25.9	38.9

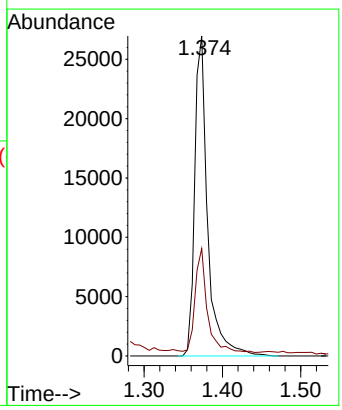


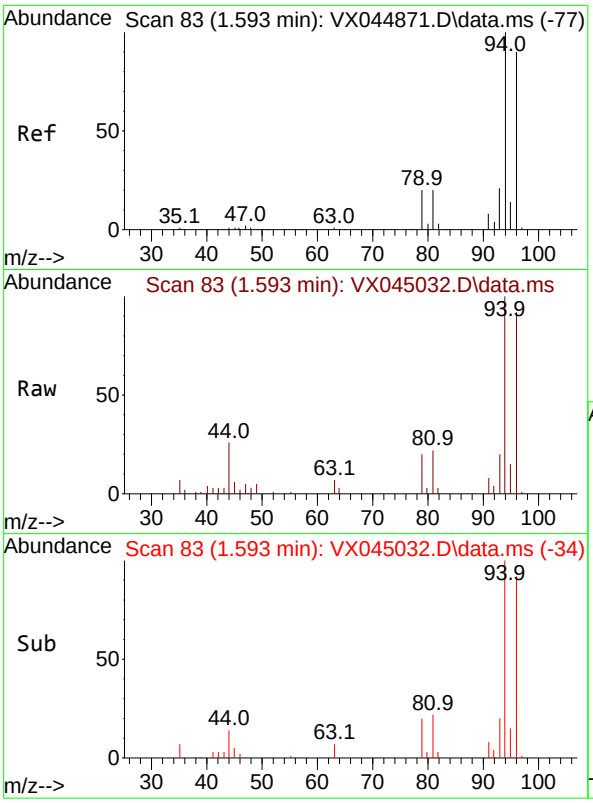


#4
Vinyl Chloride
Concen: 16.591 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 62 Resp: 30981

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.4	38.0



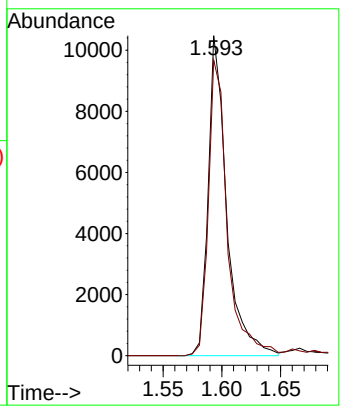


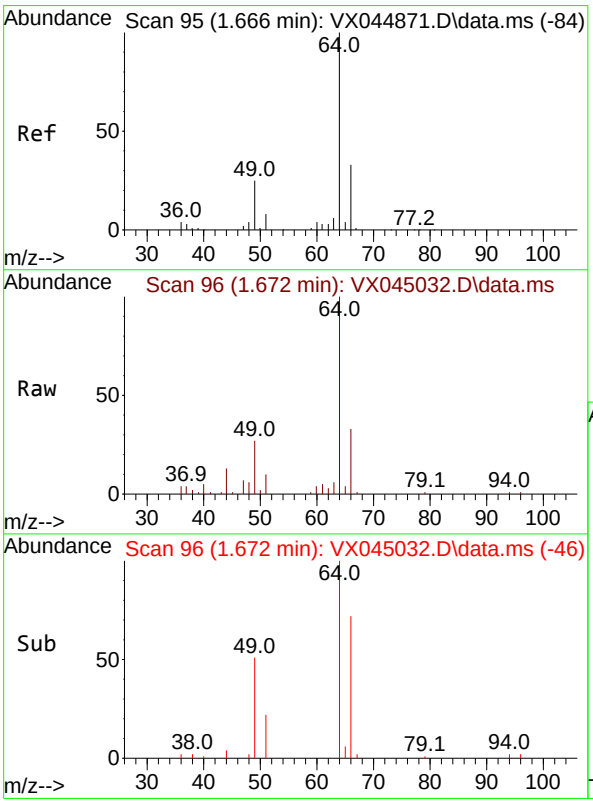
#5
Bromomethane
Concen: 20.556 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 94 Resp: 11486

Ion	Ratio	Lower	Upper
94	100		
96	92.4	71.6	107.4

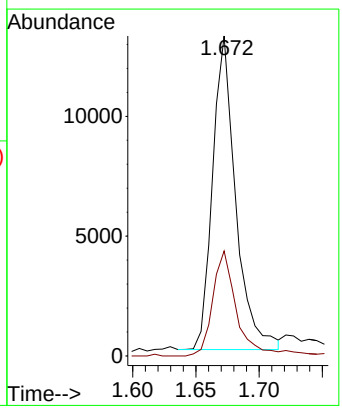


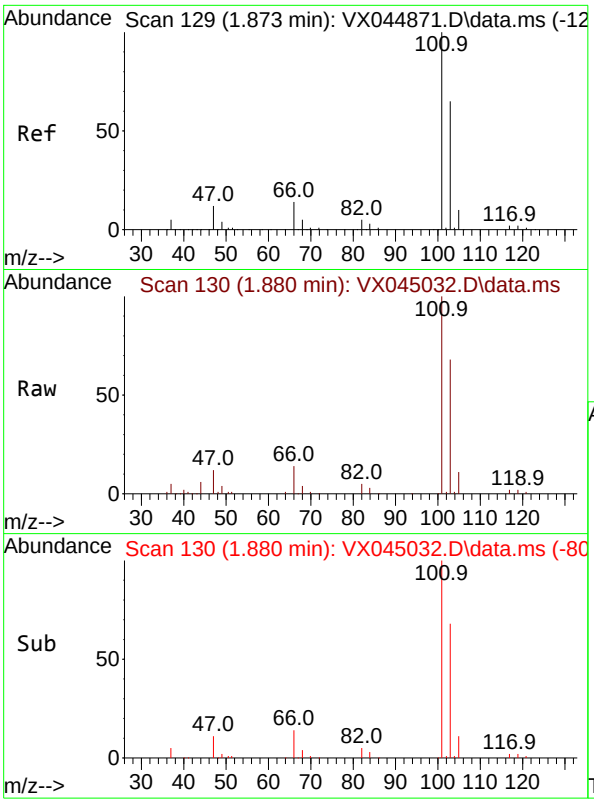


#6
Chloroethane
Concen: 21.104 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 64 Resp: 16625

Ion	Ratio	Lower	Upper
64	100		
66	33.5	25.9	38.9



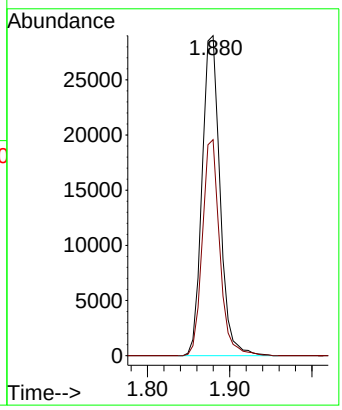


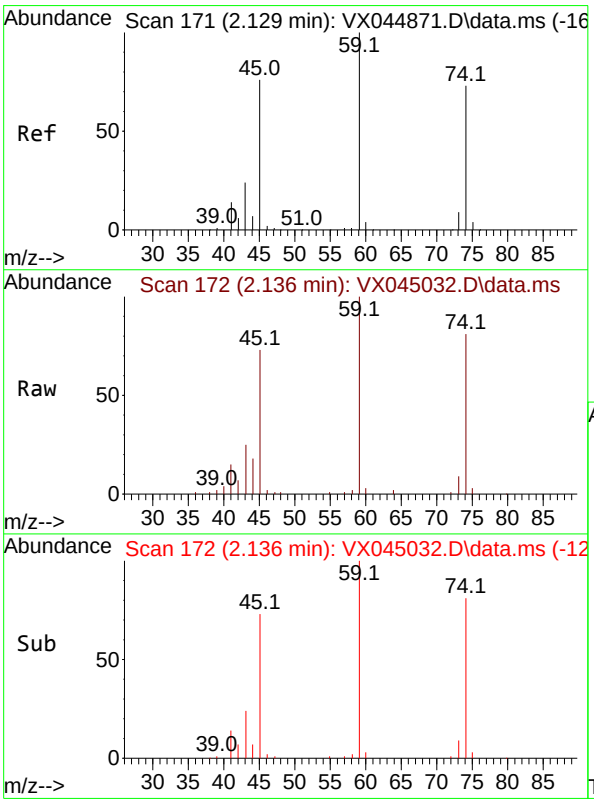
#7
Trichlorofluoromethane
Concen: 18.594 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:101 Resp: 43909

Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.4	78.6

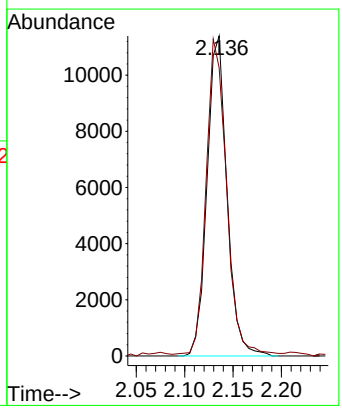


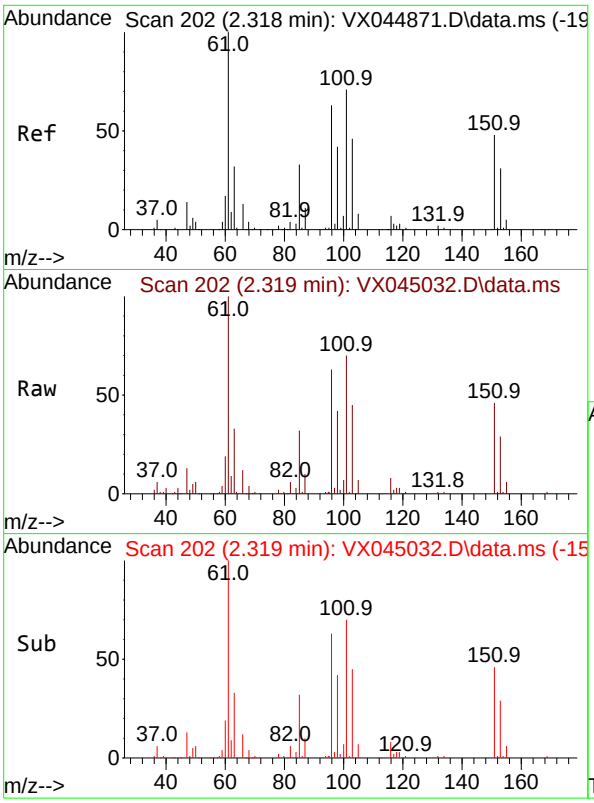


#8
Diethyl Ether
Concen: 19.122 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.007 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 74 Resp: 16376

Ion	Ratio	Lower	Upper
74	100		
45	99.4	51.1	153.4



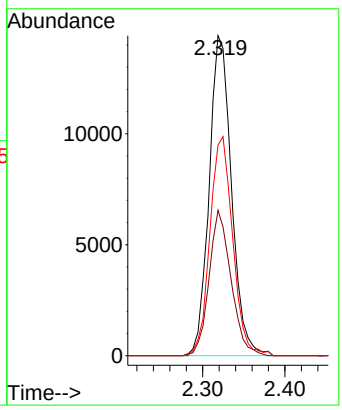


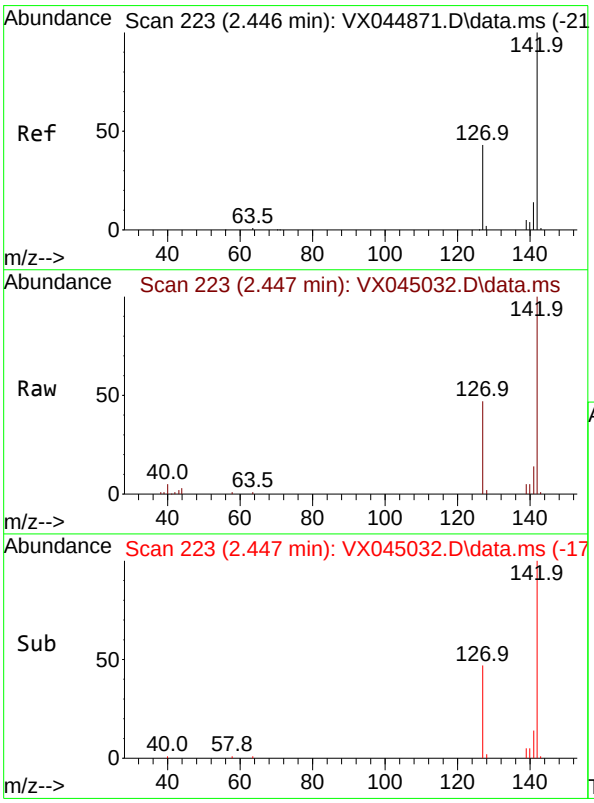
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.096 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:101 Resp: 27245

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.7	53.5
151	70.0	56.0	84.0

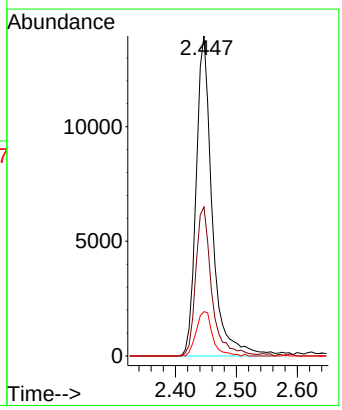


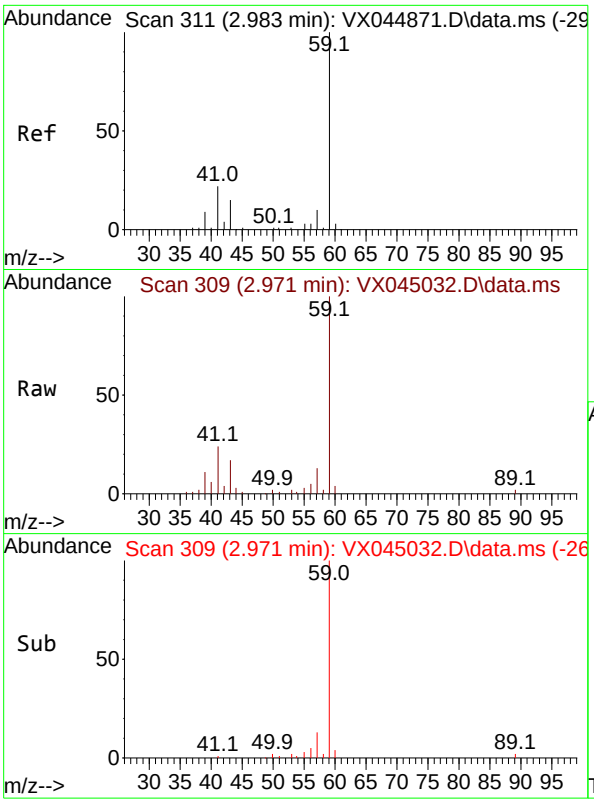


#10
Methyl Iodide
Concen: 13.913 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:142 Resp: 25726

Ion	Ratio	Lower	Upper
142	100		
127	45.9	34.3	51.5
141	14.1	11.4	17.2



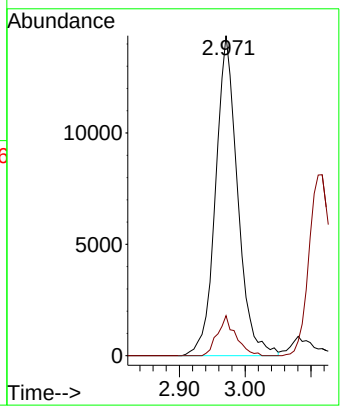


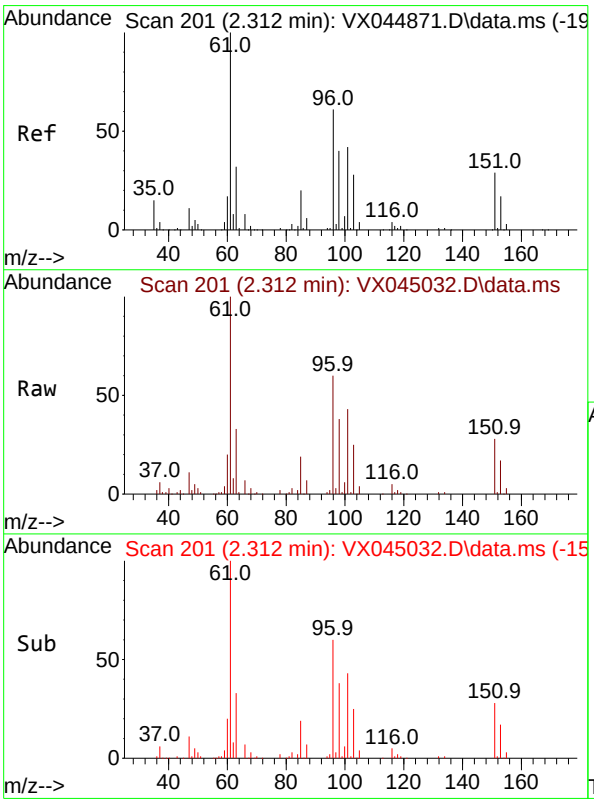
#11
Tert butyl alcohol
Concen: 109.394 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 59 Resp: 33544

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

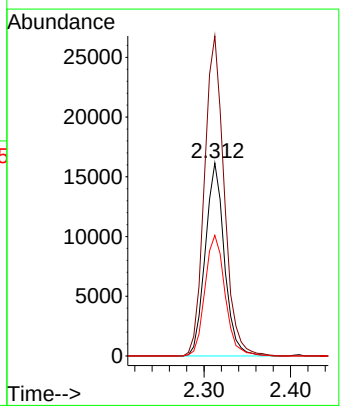


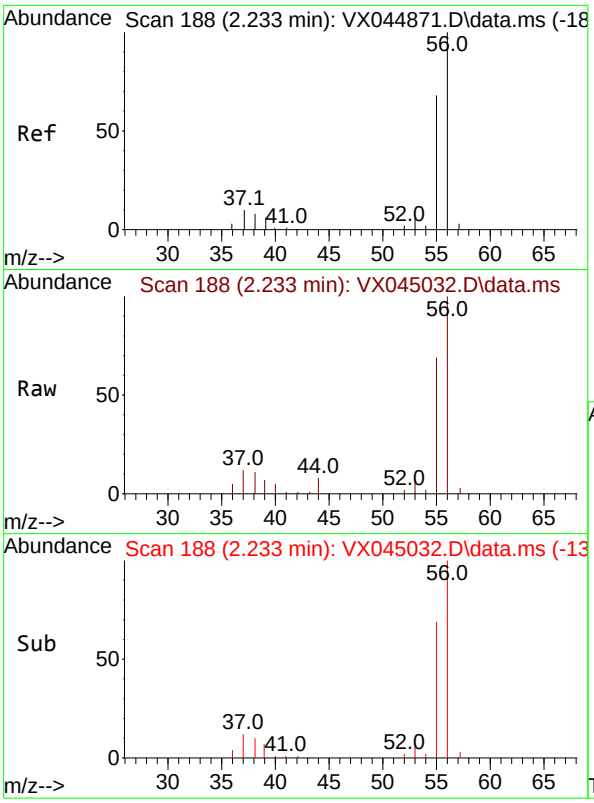


#12
1,1-Dichloroethene
Concen: 17.002 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 96 Resp: 24745

Ion	Ratio	Lower	Upper
96	100		
61	165.9	130.2	195.4
98	62.5	52.2	78.4



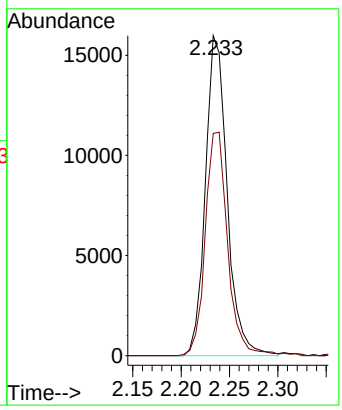


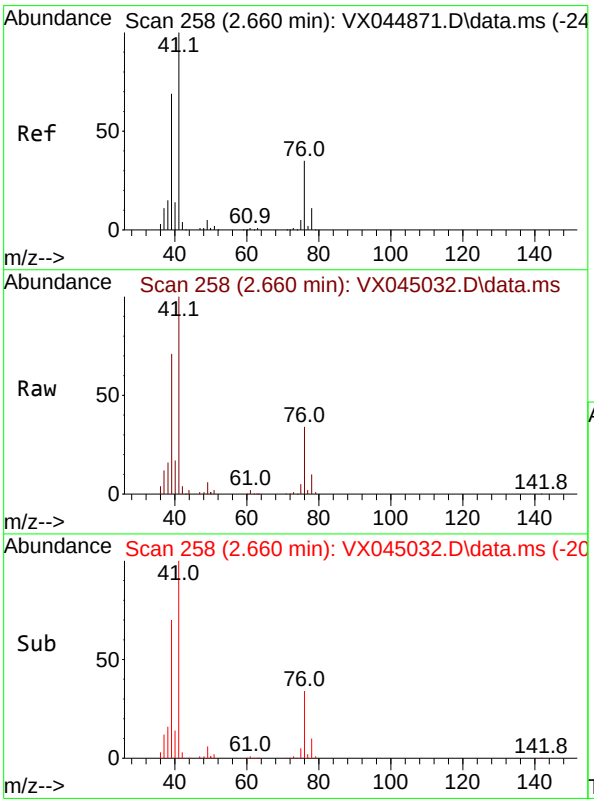
#13
Acrolein
Concen: 79.081 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 56 Resp: 25019

Ion	Ratio	Lower	Upper
56	100		
55	72.2	55.7	83.5

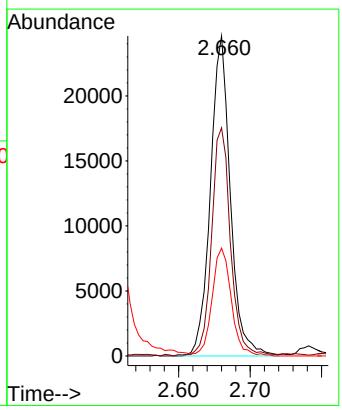


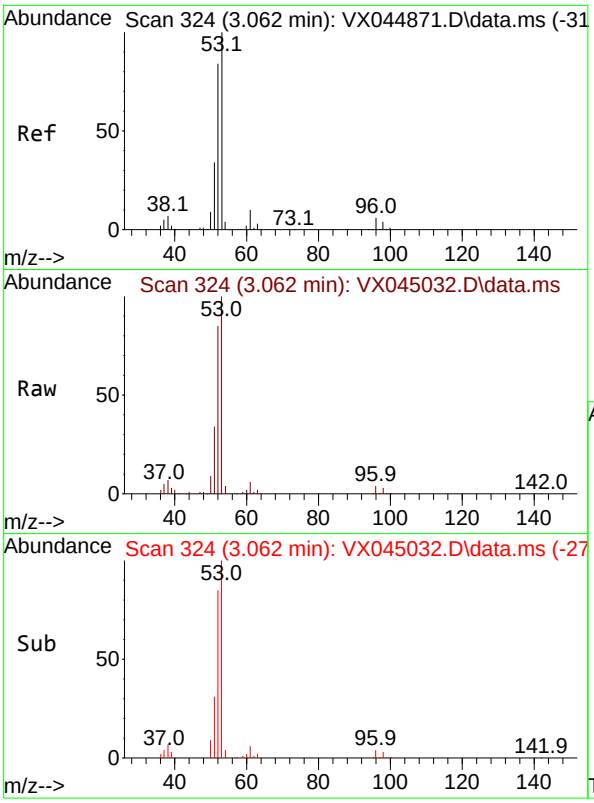


#14
Allyl chloride
Concen: 18.101 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 41 Resp: 47611

Ion	Ratio	Lower	Upper
41	100		
39	67.9	51.4	77.2
76	32.5	27.0	40.4



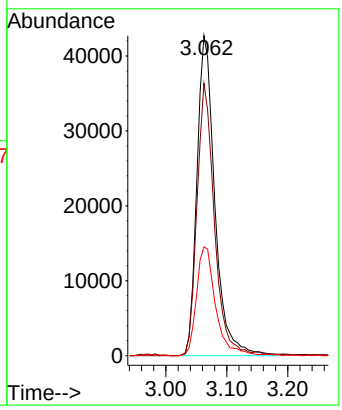


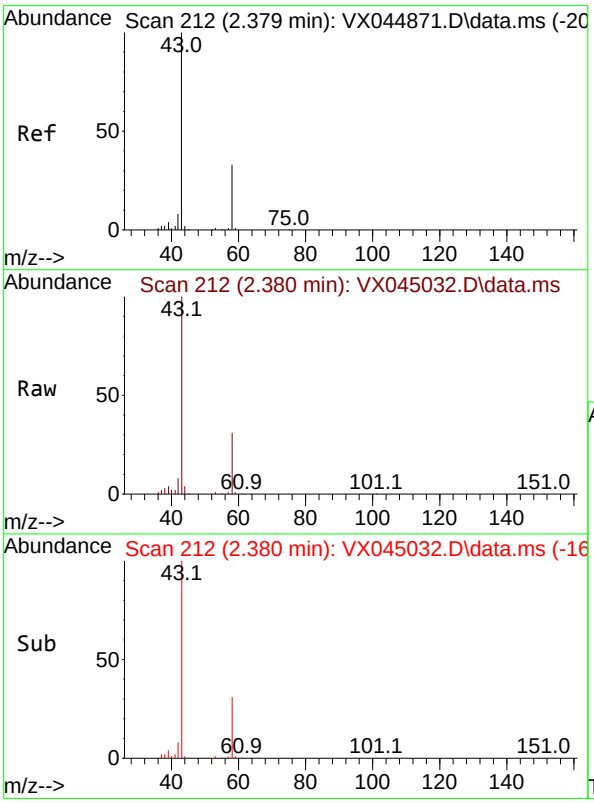
#15
Acrylonitrile
Concen: 106.598 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 53 Resp: 87273

Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.0	97.6
51	36.5	28.0	42.0

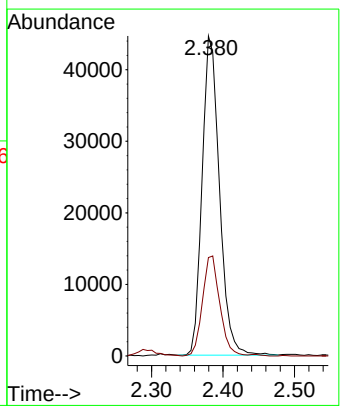


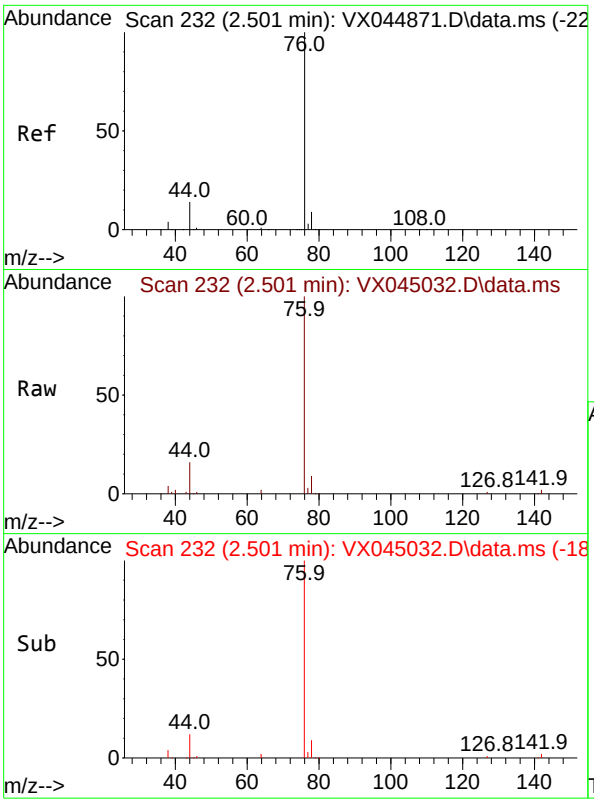


#16
Acetone
Concen: 113.203 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 75220

Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.5	39.7



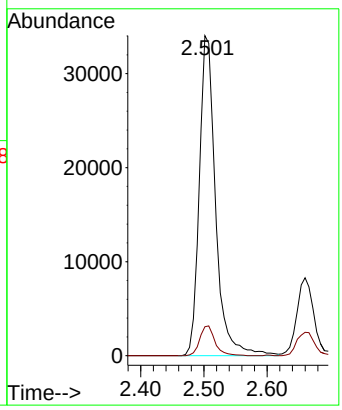


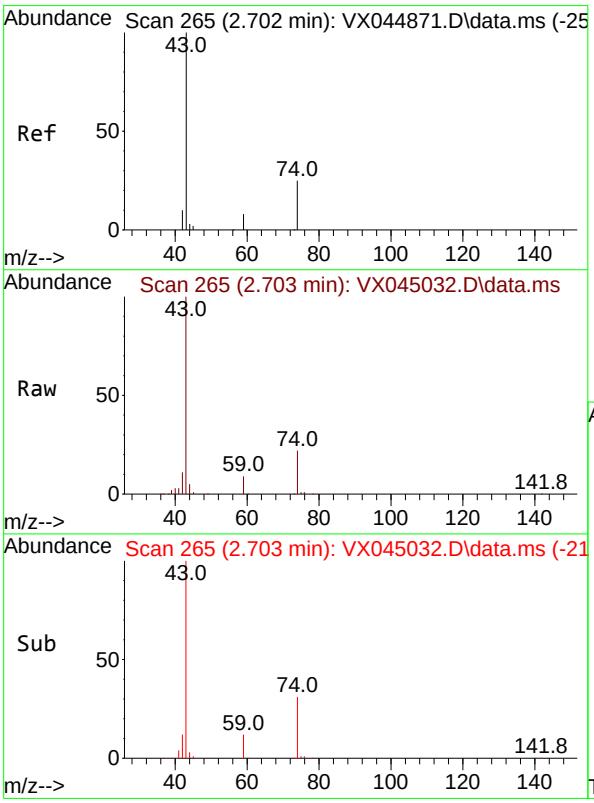
#17
Carbon Disulfide
Concen: 15.327 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 76 Resp: 61168

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

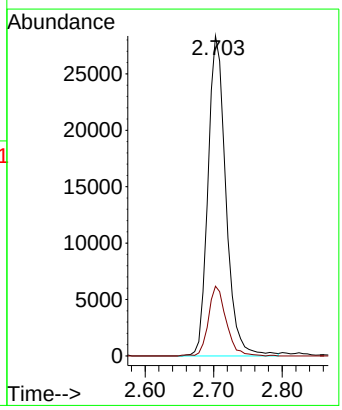


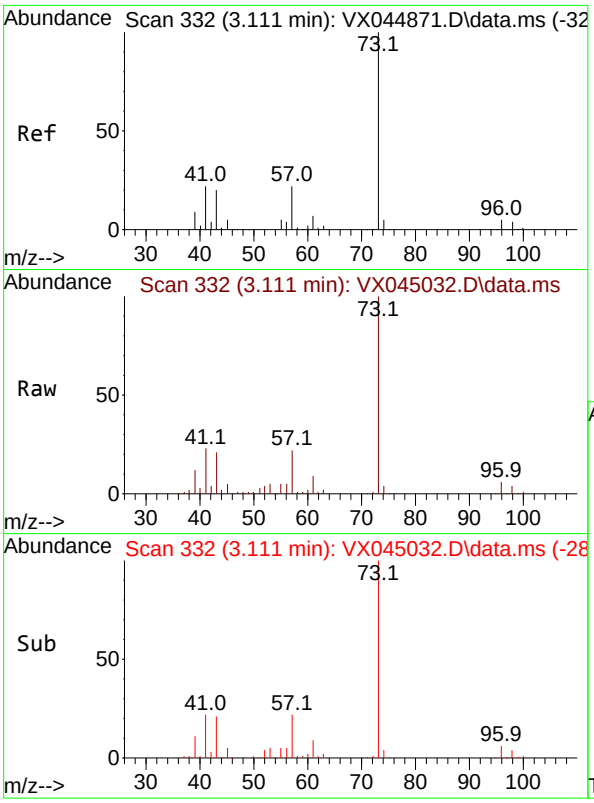


#18
Methyl Acetate
Concen: 24.593 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 51568

Ion	Ratio	Lower	Upper
43	100		
74	21.6	18.9	28.3



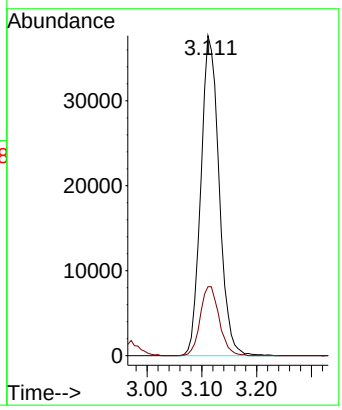


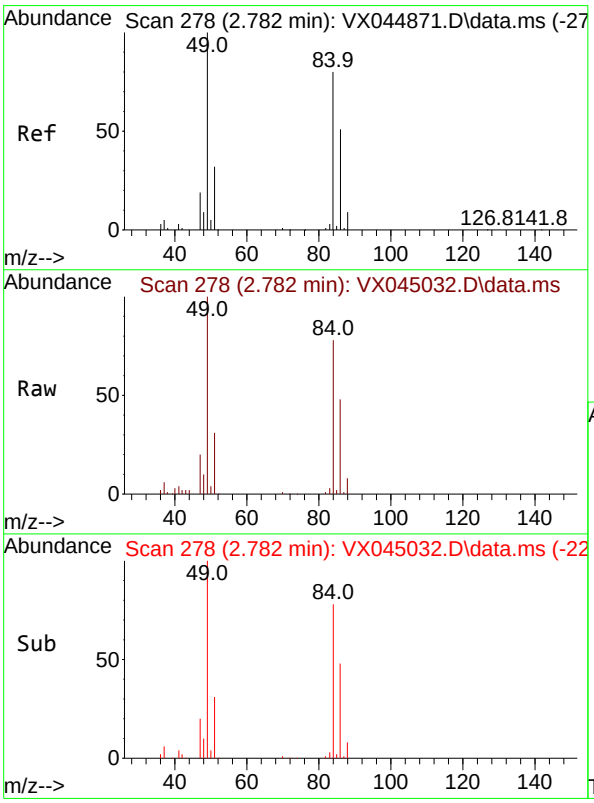
#19
Methyl tert-butyl Ether
Concen: 18.782 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 73 Resp: 86972

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.9	26.9

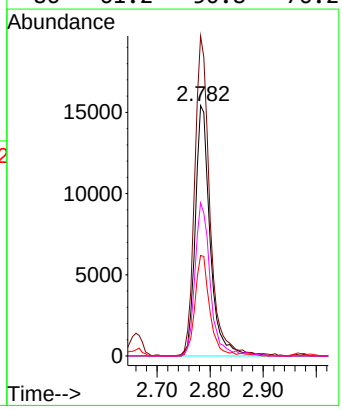


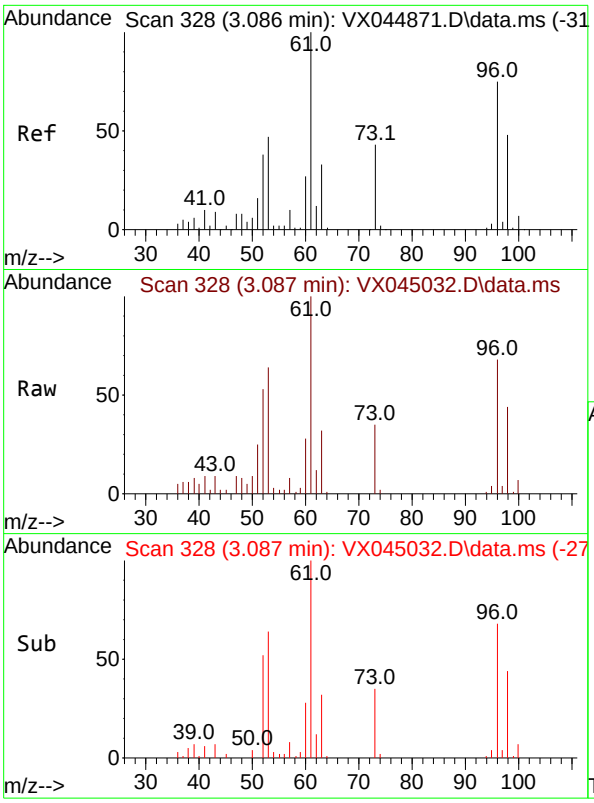


#20
Methylene Chloride
Concen: 18.452 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 84 Resp: 30031

Ion	Ratio	Lower	Upper
84	100		
49	127.4	100.1	150.1
51	40.1	31.7	47.5
86	61.2	50.8	76.2



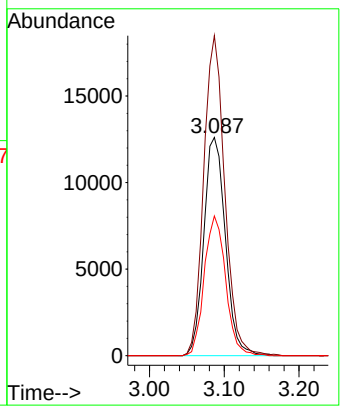


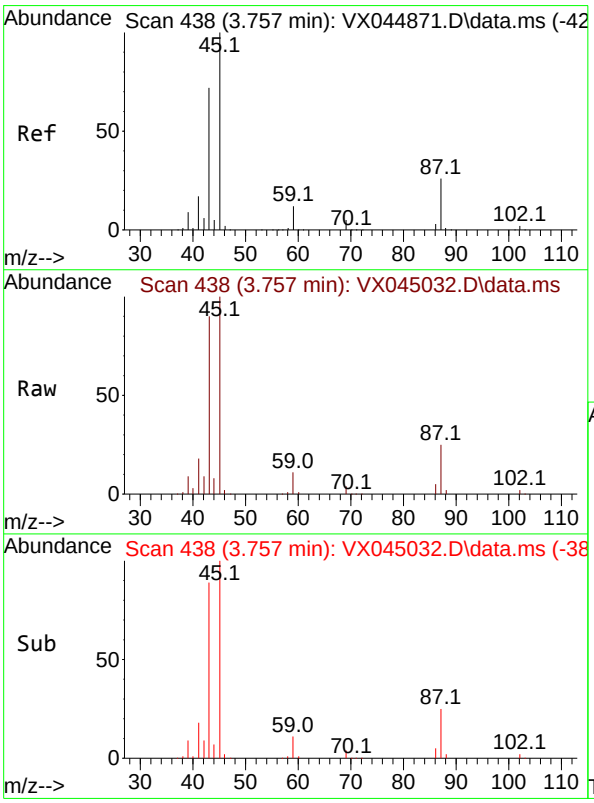
#21
trans-1,2-Dichloroethene
Concen: 17.651 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 96 Resp: 25284

Ion	Ratio	Lower	Upper
96	100		
61	146.7	106.0	159.0
98	64.1	50.6	76.0

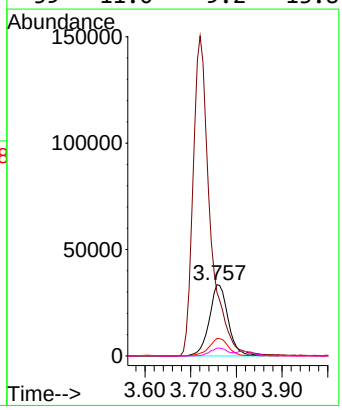


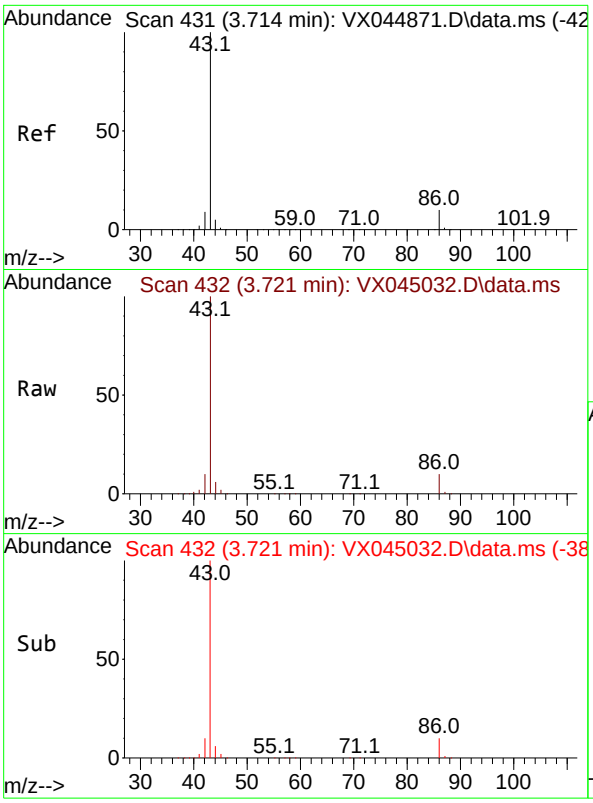


#22
Diisopropyl ether
Concen: 19.371 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 45 Resp: 96394

Ion	Ratio	Lower	Upper
45	100		
43	89.3	58.0	87.0#
87	24.6	20.7	31.1
59	11.0	9.2	13.8



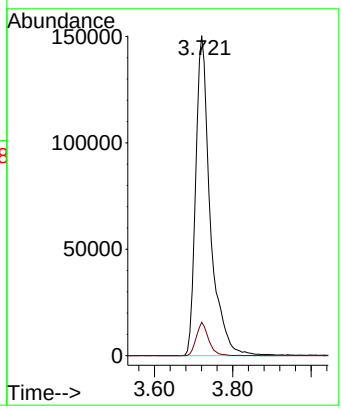


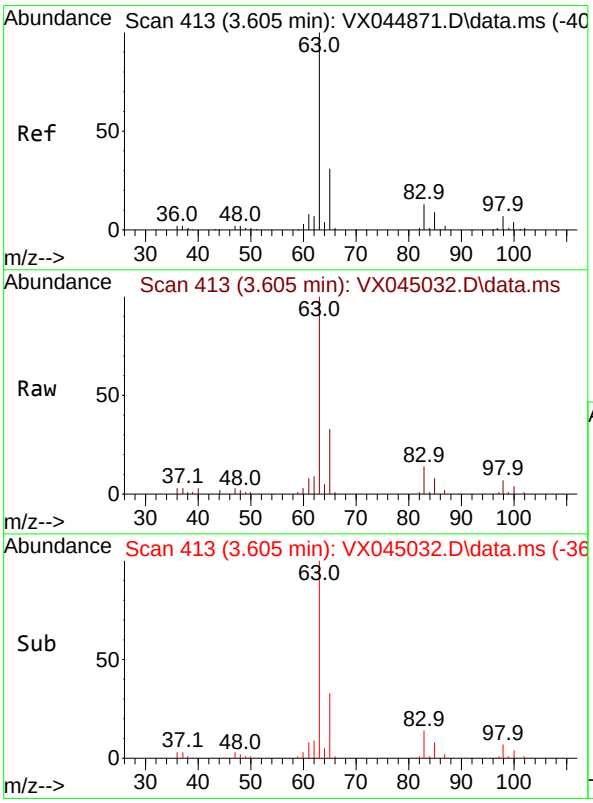
#23
Vinyl Acetate
Concen: 96.035 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 43 Resp: 389594

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

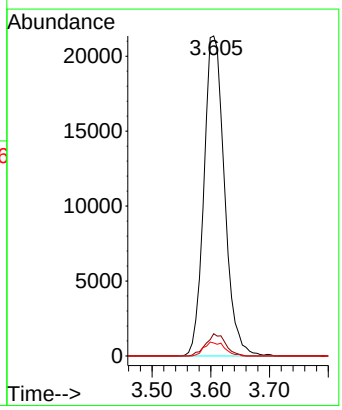


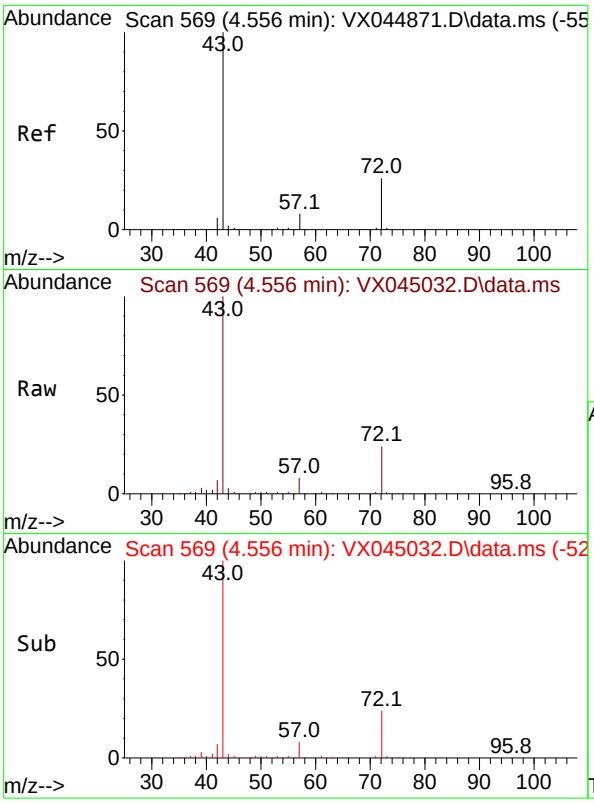


#24
1,1-Dichloroethane
Concen: 18.657 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 63 Resp: 51948

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.9
100	4.1	2.1	6.5



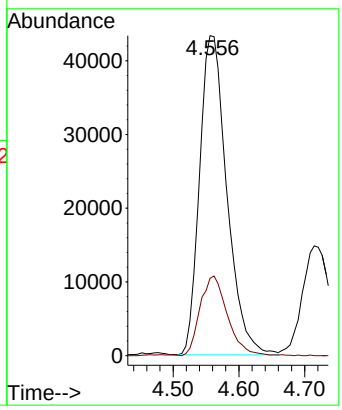


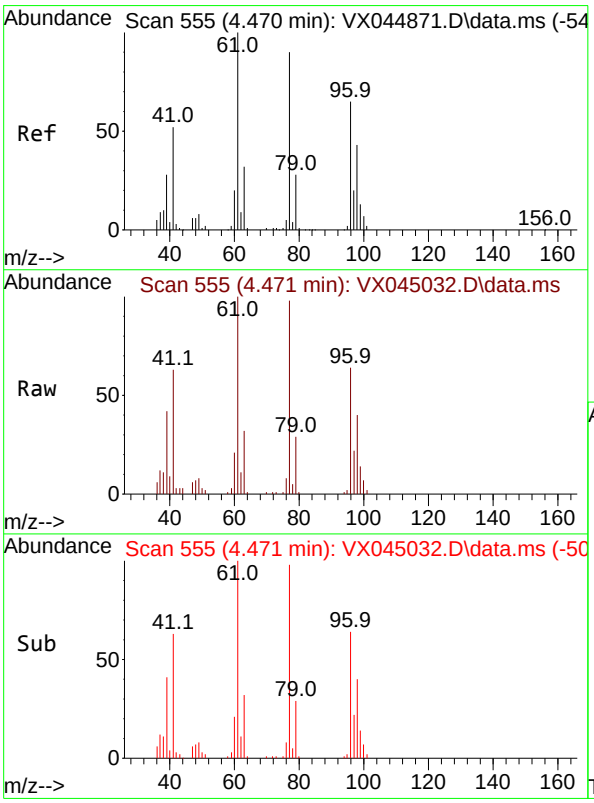
#25
2-Butanone
Concen: 116.004 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 43 Resp: 125165

Ion	Ratio	Lower	Upper
43	100		
72	24.1	21.2	31.8

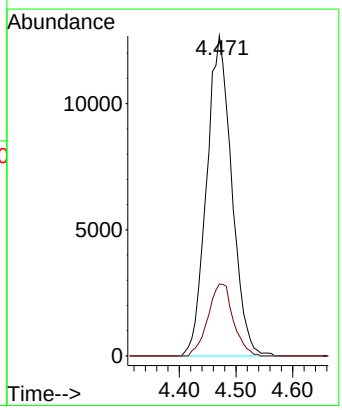


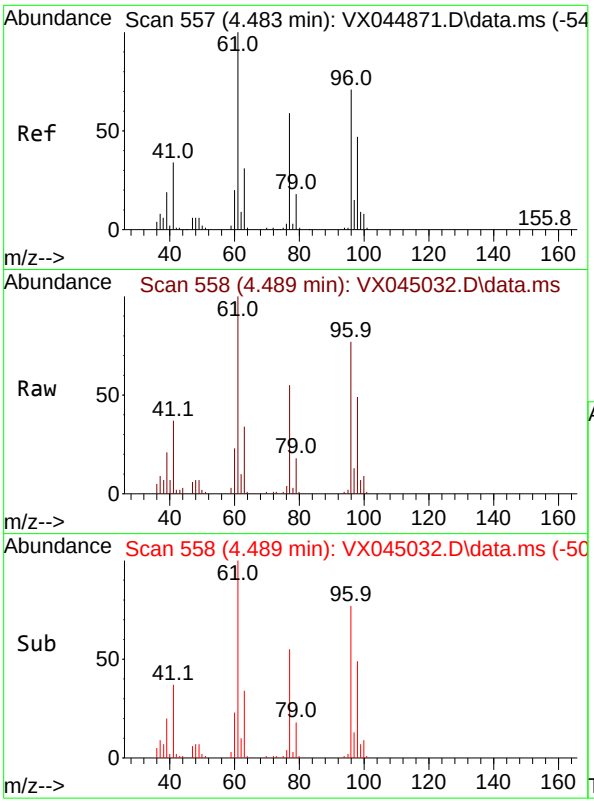


#26
2,2-Dichloropropane
Concen: 17.701 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 77 Resp: 39084

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.8	35.3



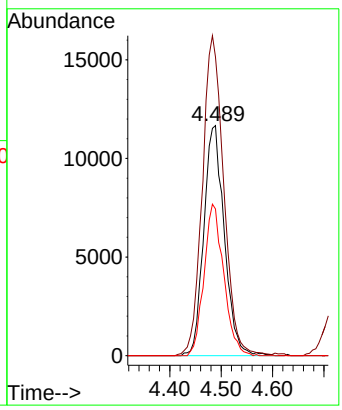


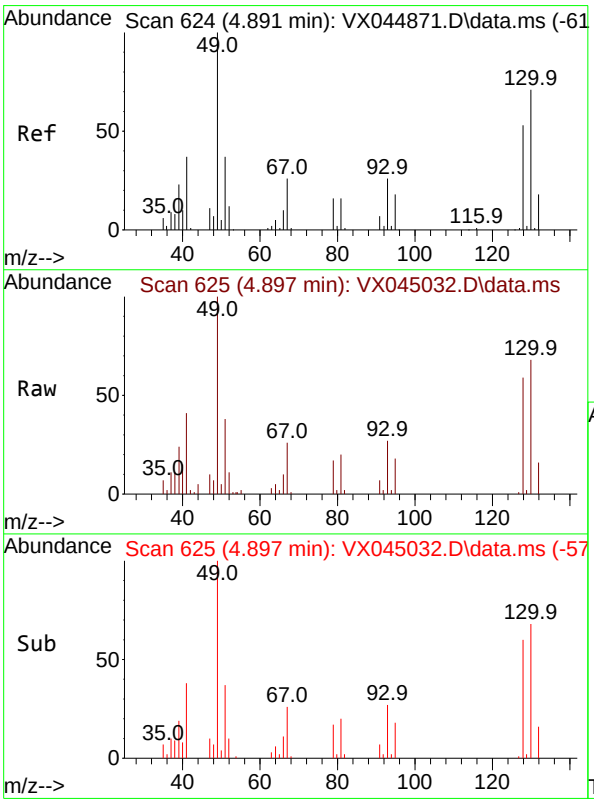
#27
cis-1,2-Dichloroethene
Concen: 18.799 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 96 Resp: 32345

Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	294.0
98	63.1	0.0	131.2

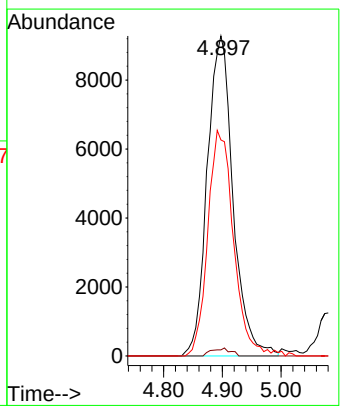


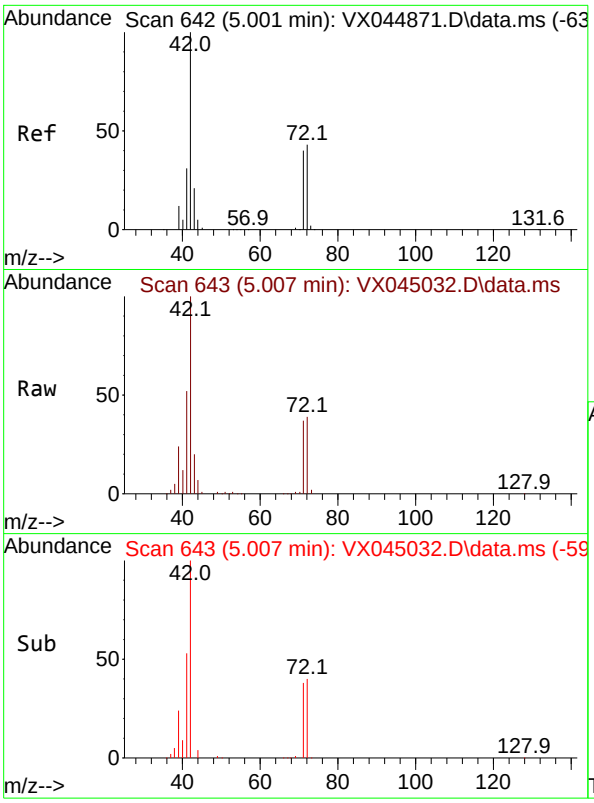


#28
Bromochloromethane
Concen: 21.150 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 49 Resp: 28300

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.9	56.7	85.1



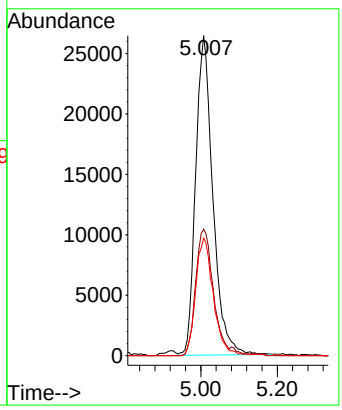


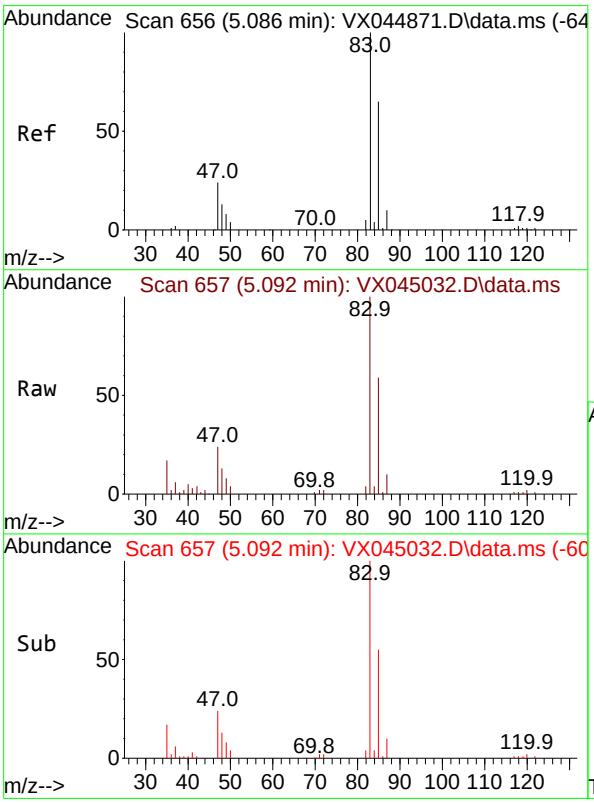
#29
Tetrahydrofuran
Concen: 115.117 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 42 Resp: 82477

Ion	Ratio	Lower	Upper
42	100		
72	41.6	35.0	52.4
71	37.8	32.6	48.8

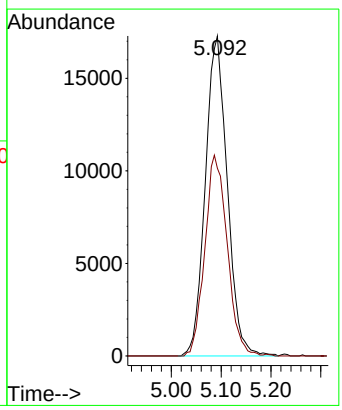


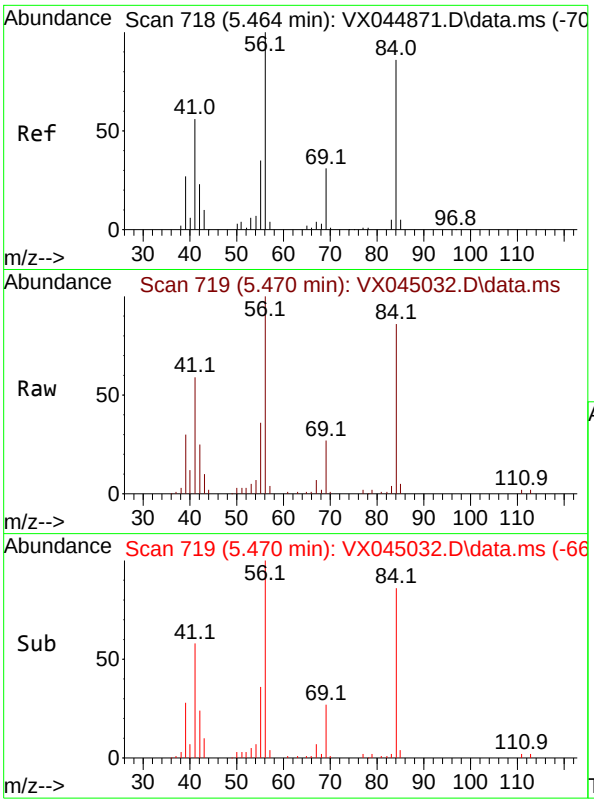


#30
Chloroform
Concen: 19.573 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 83 Resp: 52851

Ion	Ratio	Lower	Upper
83	100		
85	58.7	52.1	78.1



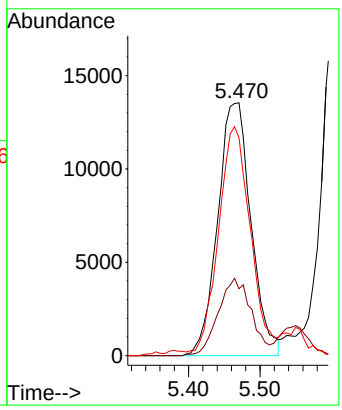


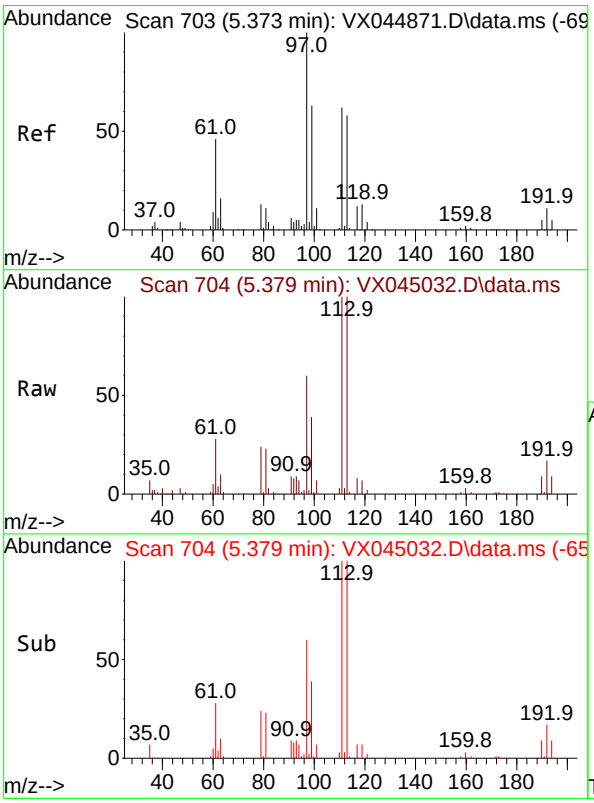
#31
Cyclohexane
Concen: 17.083 ug/l
RT: 5.470 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 56 Resp: 43850

Ion	Ratio	Lower	Upper
56	100		
69	26.5	24.4	36.6
84	84.5	69.0	103.6

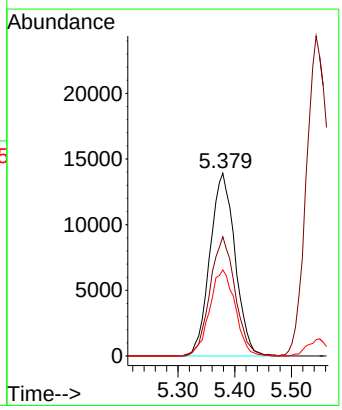


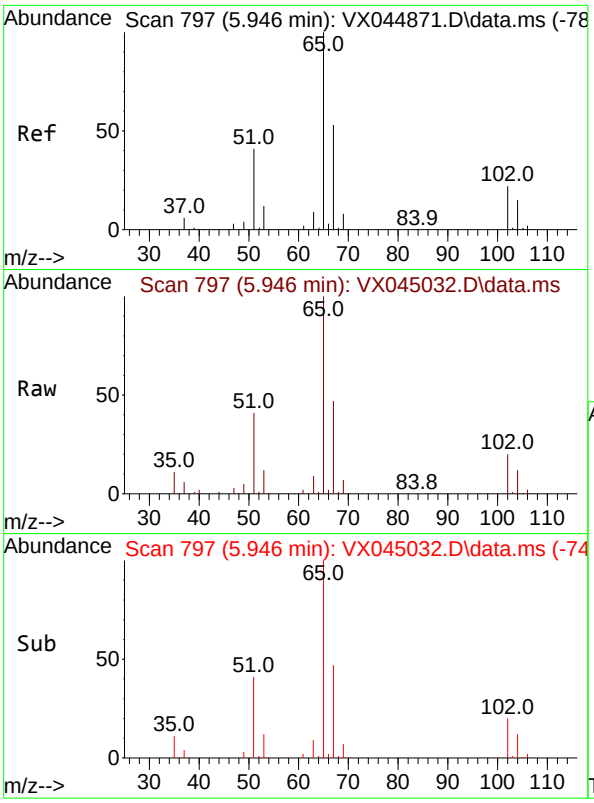


#32
1,1,1-Trichloroethane
Concen: 18.718 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 97 Resp: 42871

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	47.8	36.6	55.0



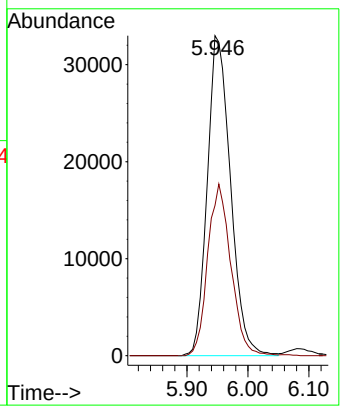


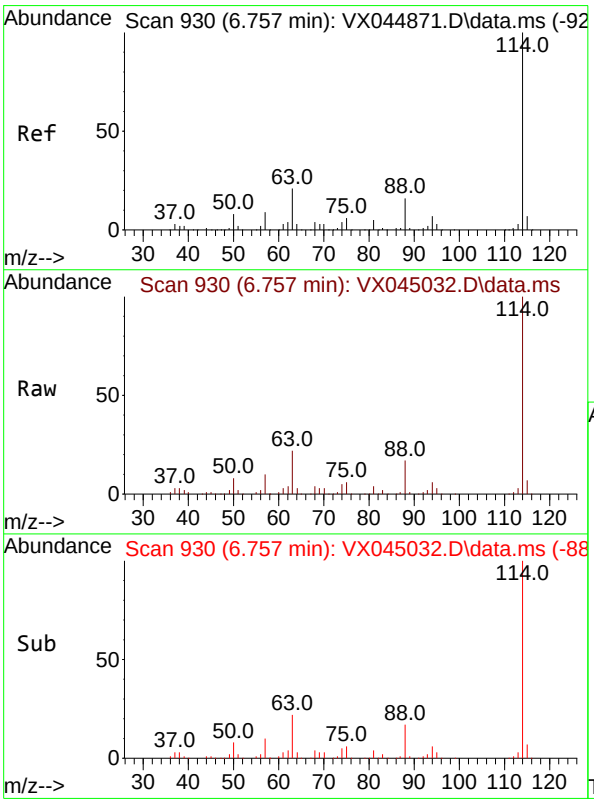
#33
1,2-Dichloroethane-d4
Concen: 52.977 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 65 Resp: 87564

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.2

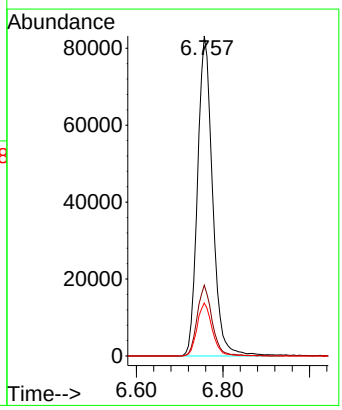


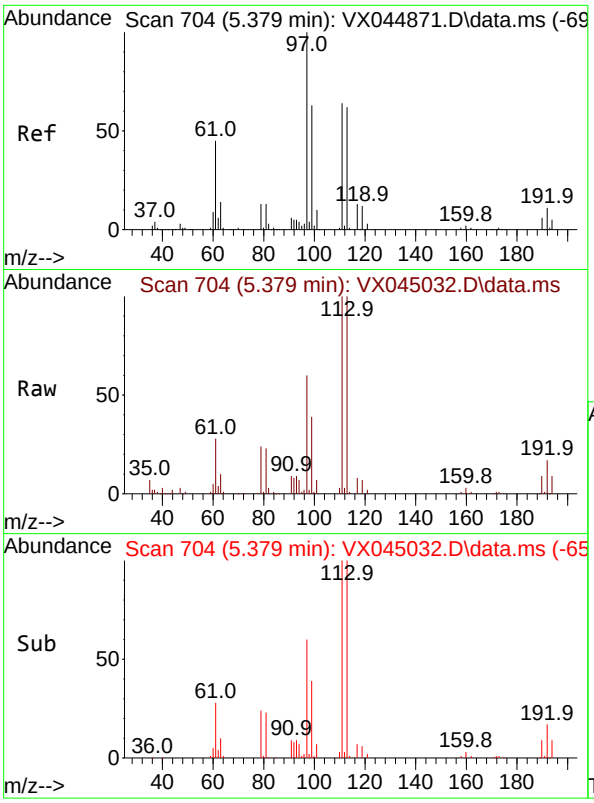


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:114 Resp: 200483

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.4
88	16.6	0.0	31.4



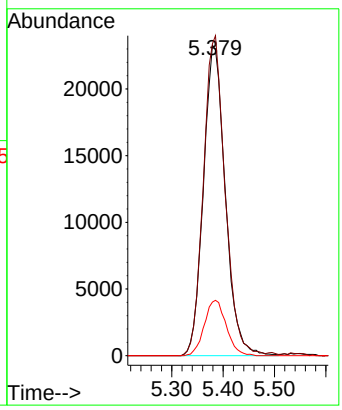


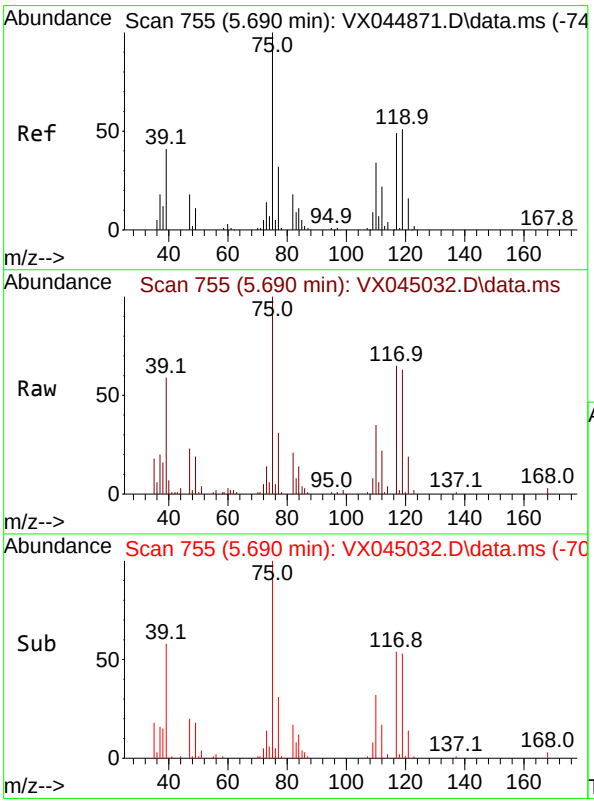
#35
Dibromofluoromethane
Concen: 52.786 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:113 Resp: 68805

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.5	125.3
192	17.9	14.4	21.6

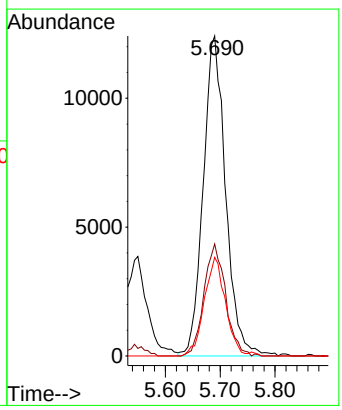


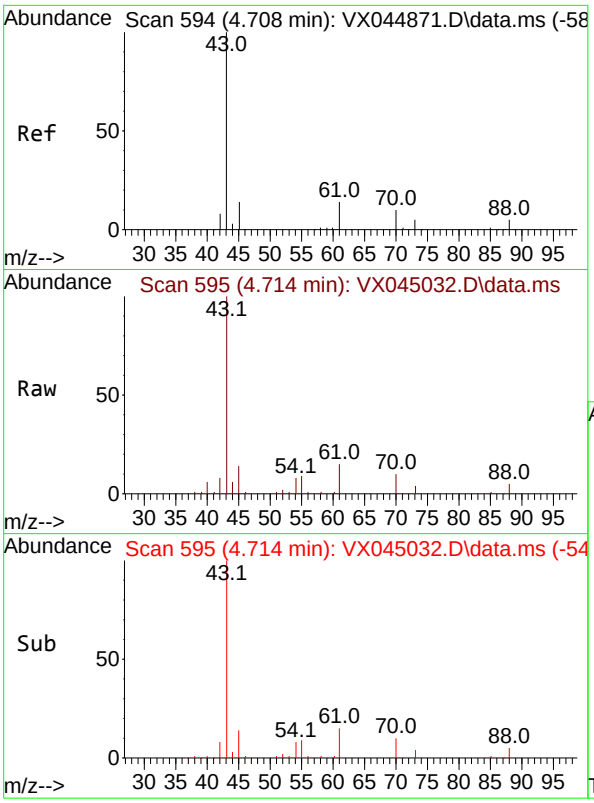


#36
1,1-Dichloropropene
Concen: 18.738 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 35238

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.2	51.6
77	29.1	24.6	37.0



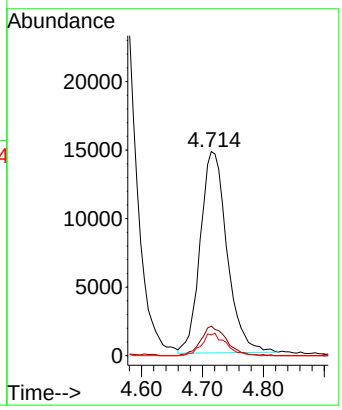


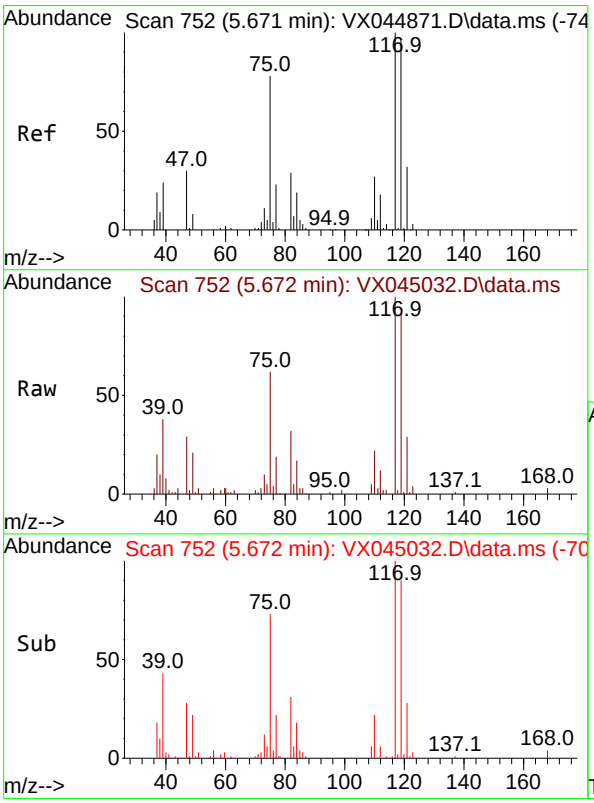
#37
Ethyl Acetate
Concen: 21.419 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 43 Resp: 44803

Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.1	8.2	12.2

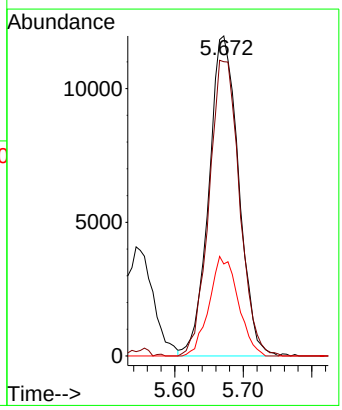


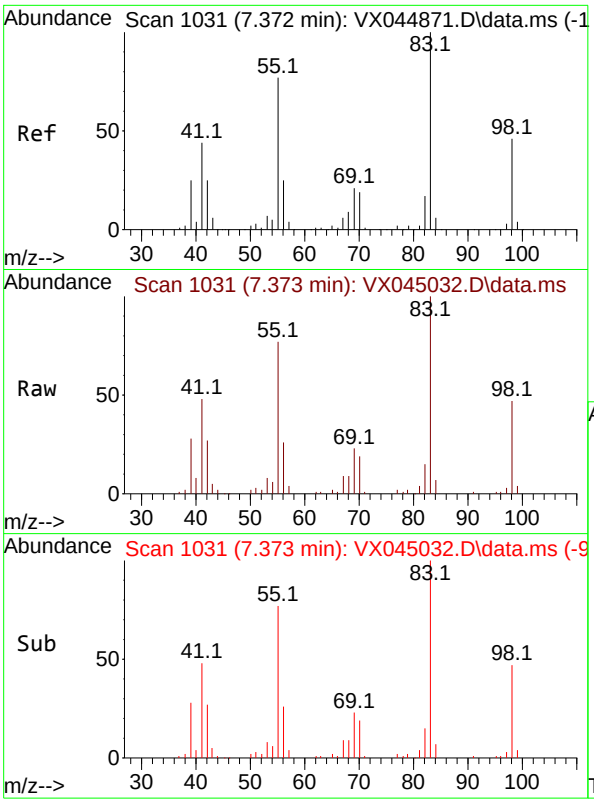


#38
Carbon Tetrachloride
Concen: 19.628 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:117 Resp: 36171

Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.5	116.3
121	28.7	25.6	38.4



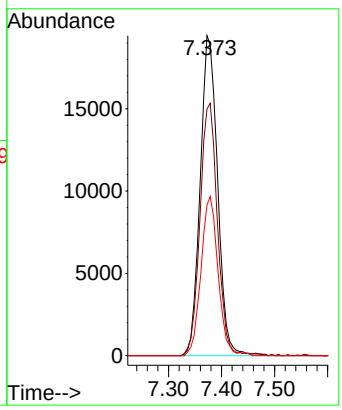


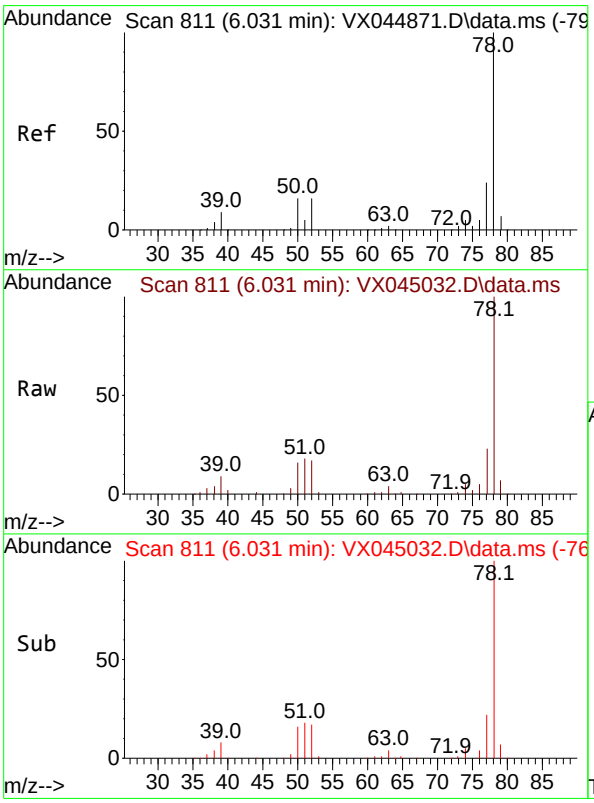
#39
Methylcyclohexane
Concen: 18.220 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 83 Resp: 44297

Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.3	91.9
98	47.1	37.0	55.6

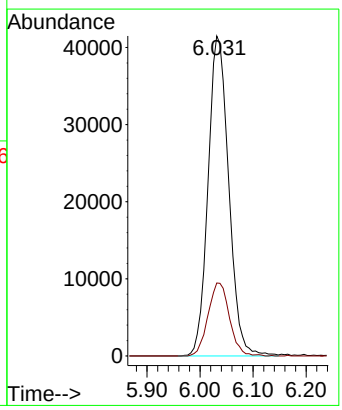


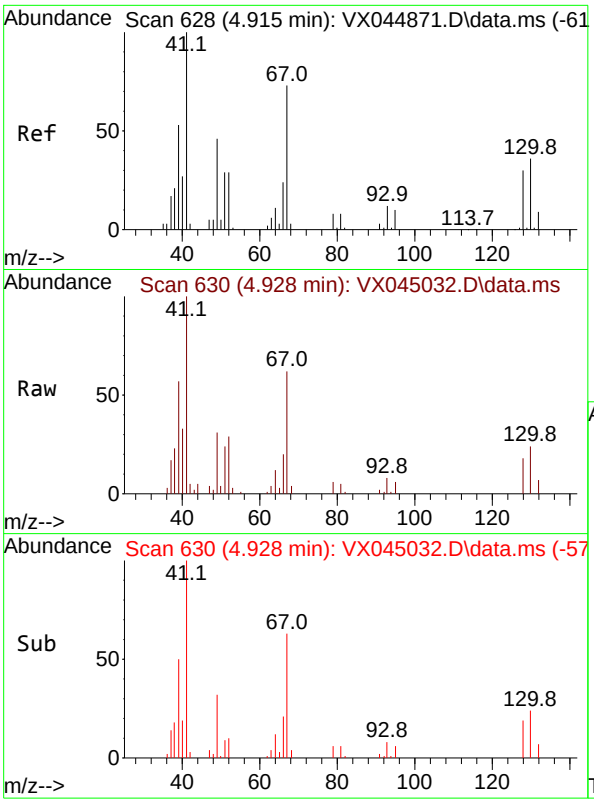


#40
Benzene
Concen: 19.128 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 78 Resp: 112321

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.6



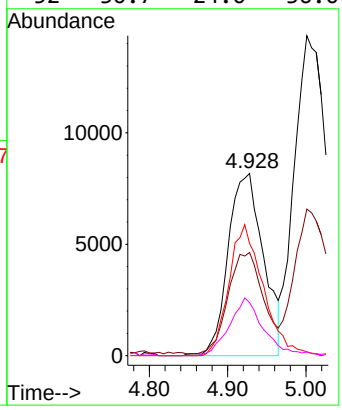


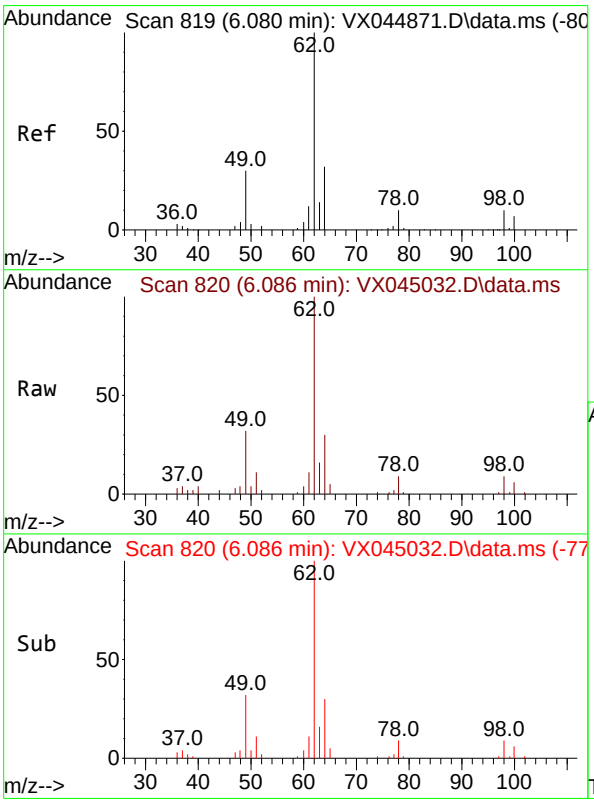
#41
Methacrylonitrile
Concen: 22.872 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 41 Resp: 25608

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.1	64.7
67	69.9	57.0	85.6
52	30.7	24.0	36.0

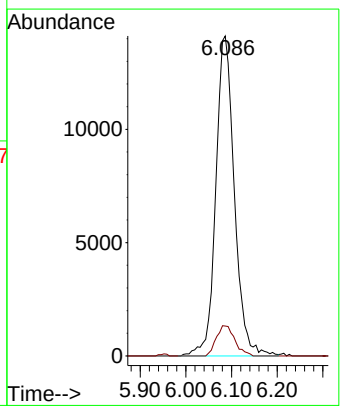


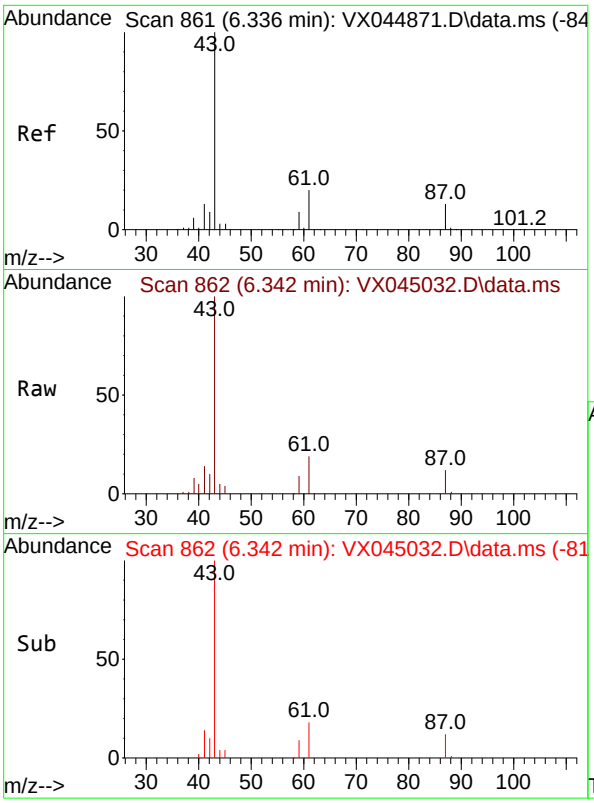


#42
1,2-Dichloroethane
Concen: 21.320 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 62 Resp: 39901

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4



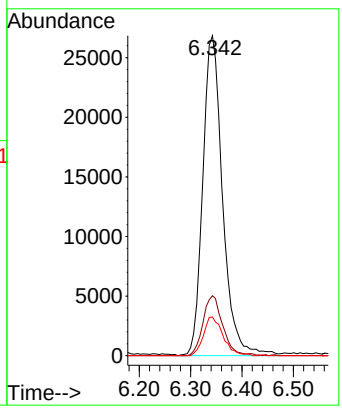


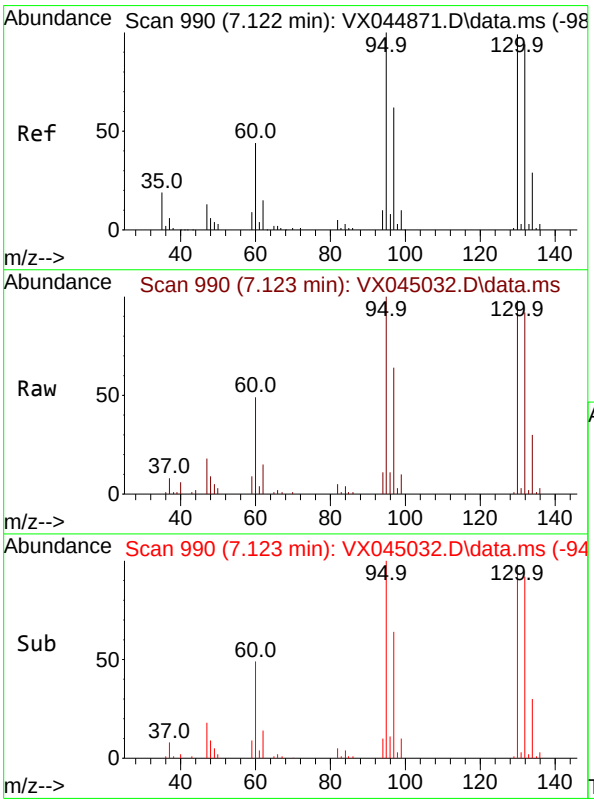
#43
Isopropyl Acetate
Concen: 21.331 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 43 Resp: 72051

Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.8	23.8
87	11.9	10.0	15.0

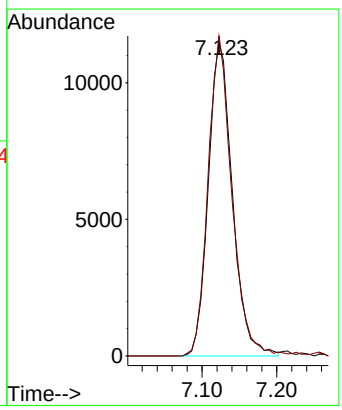


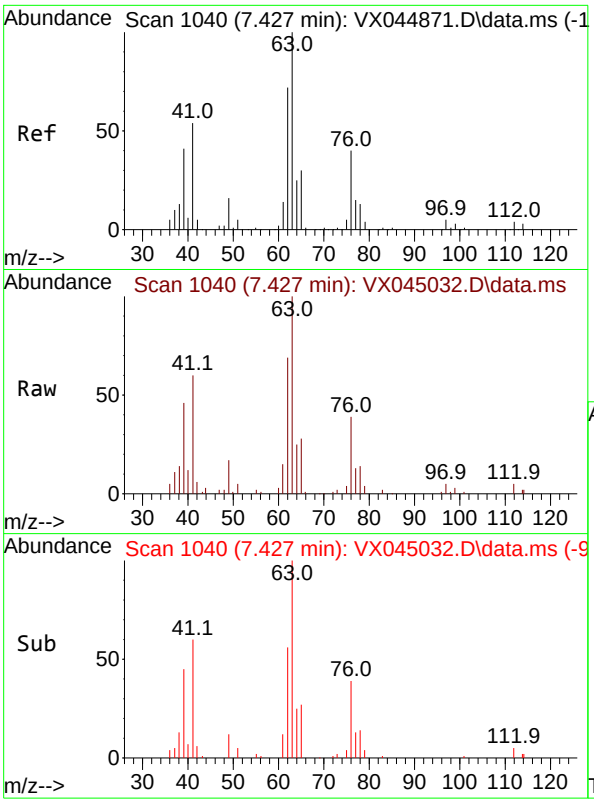


#44
Trichloroethene
Concen: 19.194 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:130 Resp: 25763

Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	202.4



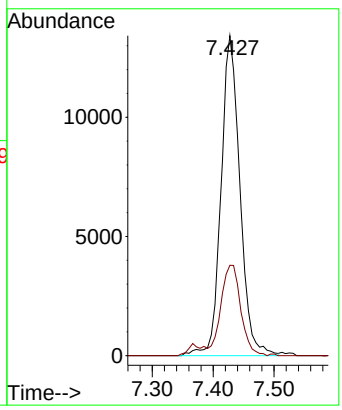


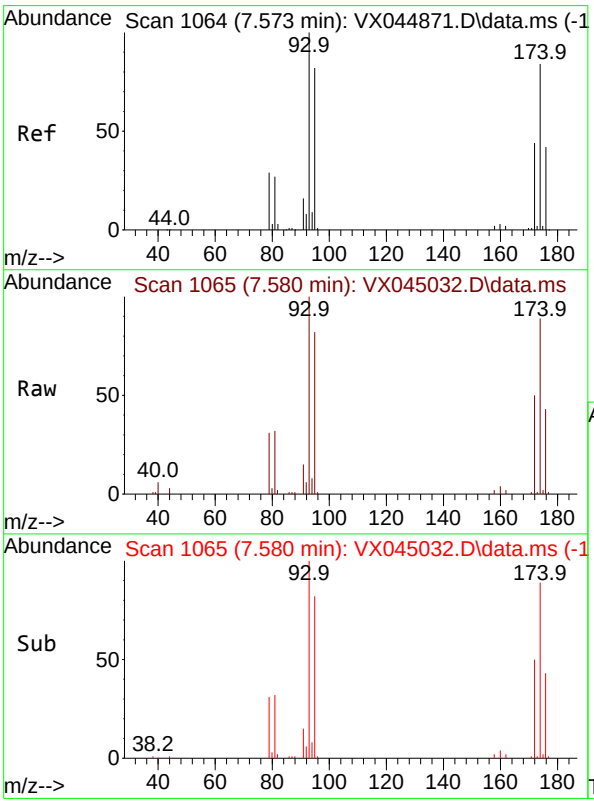
#45
1,2-Dichloropropane
Concen: 19.798 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 63 Resp: 28923

Ion	Ratio	Lower	Upper
63	100		
65	28.2	24.2	36.4

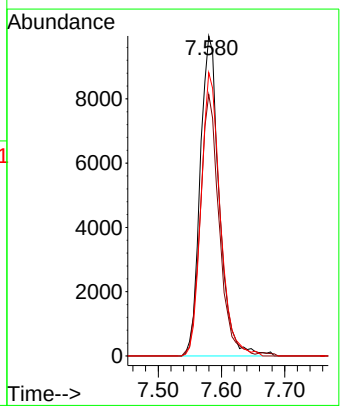


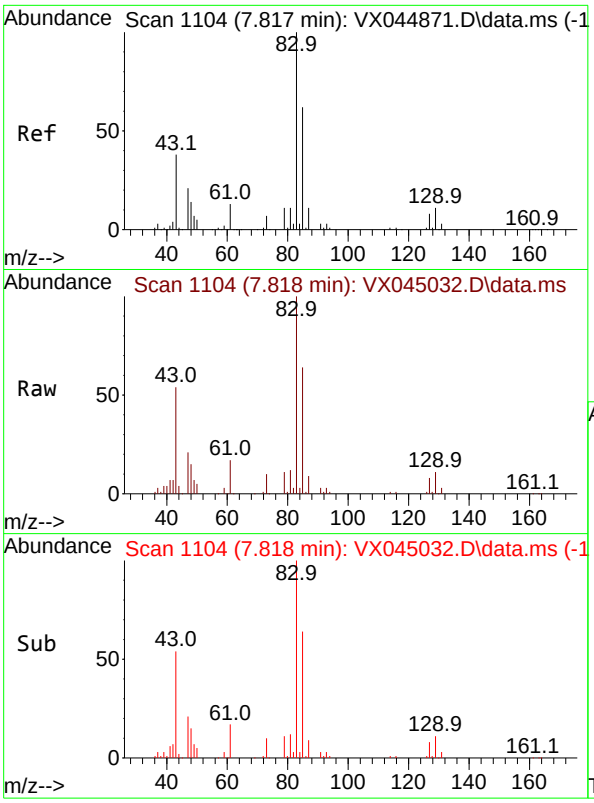


#46
Dibromomethane
Concen: 20.692 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 93 Resp: 20964

Ion	Ratio	Lower	Upper
93	100		
95	80.4	66.2	99.4
174	88.4	69.9	104.9



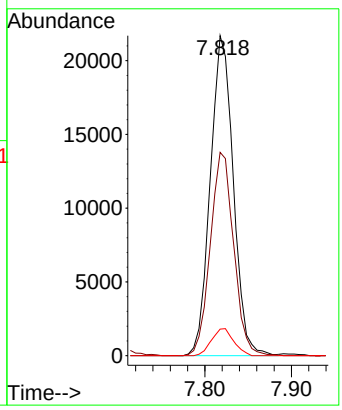


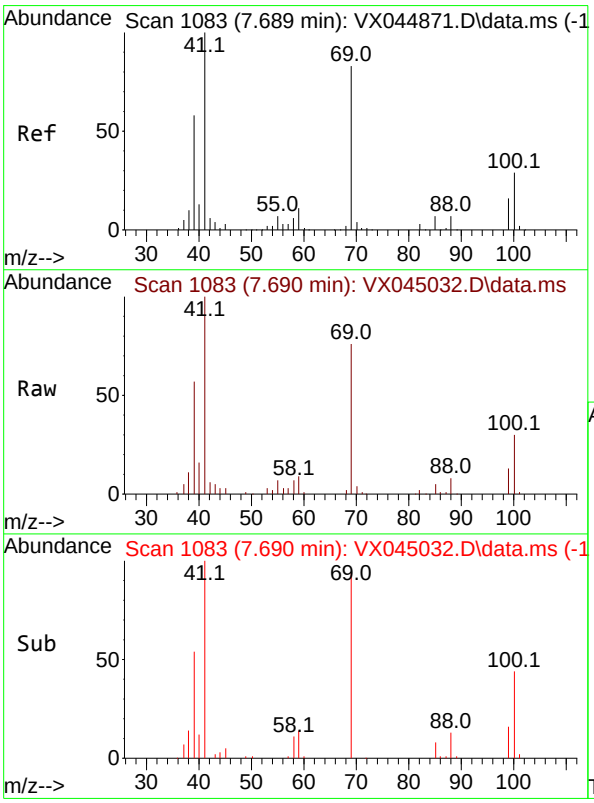
#47
Bromodichloromethane
Concen: 20.401 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 83 Resp: 40022

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.0	75.0
127	8.3	6.4	9.6

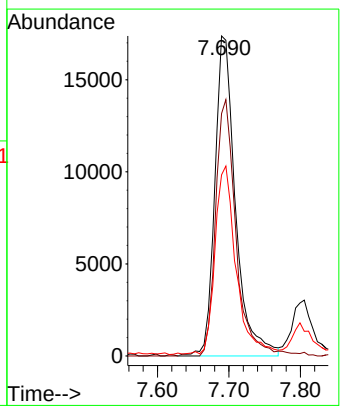


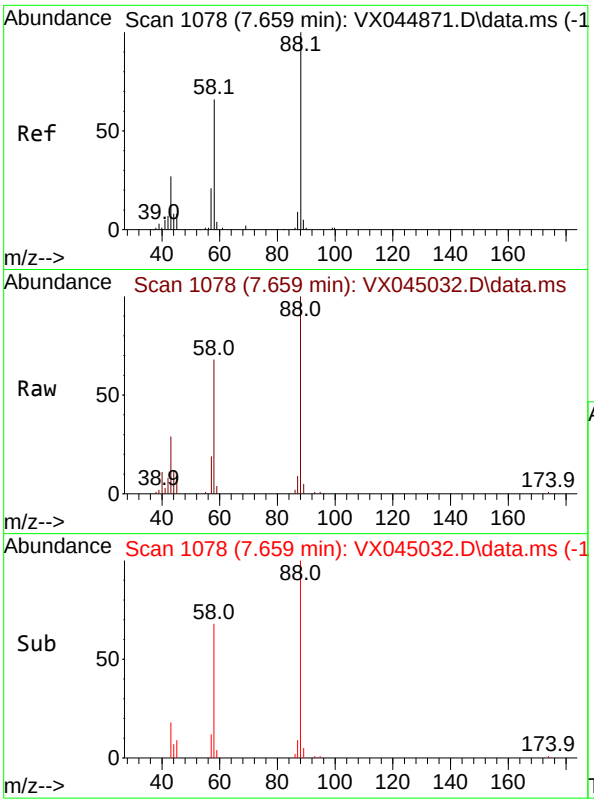


#48
Methyl methacrylate
Concen: 21.931 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 41 Resp: 34929

Ion	Ratio	Lower	Upper
41	100		
69	79.2	65.8	98.8
39	59.4	46.4	69.6



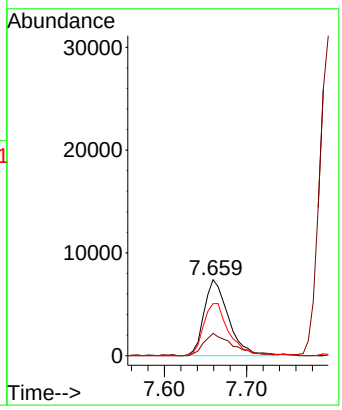


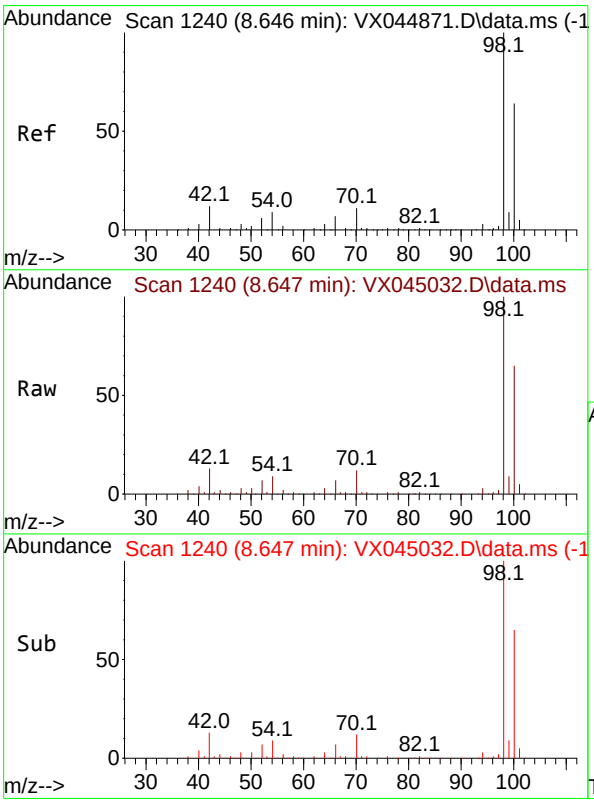
#49
1,4-Dioxane
Concen: 446.435 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 88 Resp: 15255

Ion	Ratio	Lower	Upper
88	100		
43	34.4	26.6	39.8
58	72.4	55.9	83.9

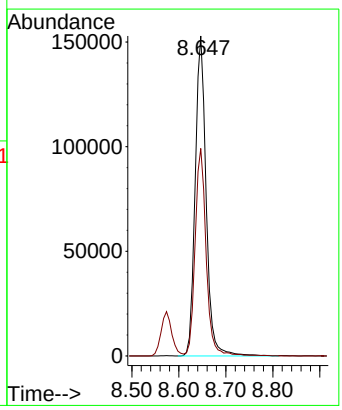


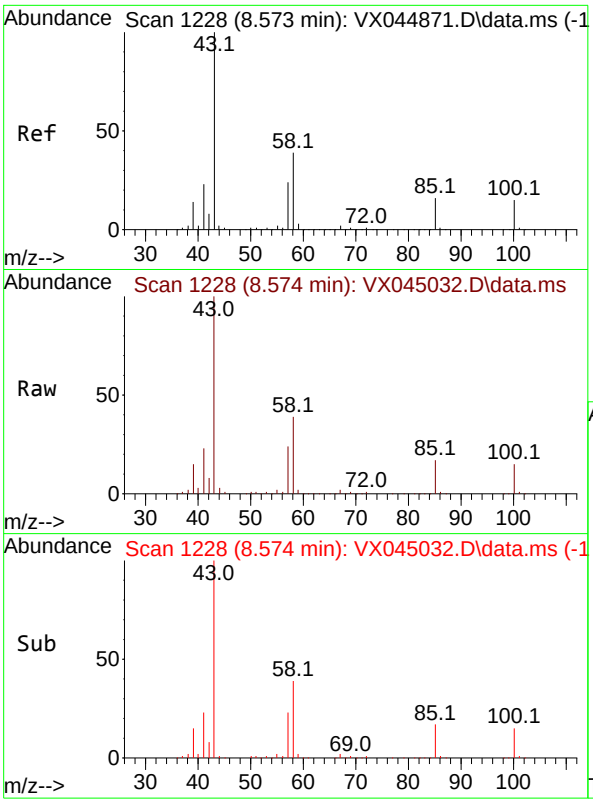


#50
Toluene-d8
Concen: 50.555 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 98 Resp: 249185

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1



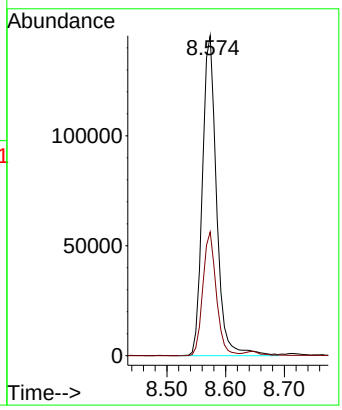


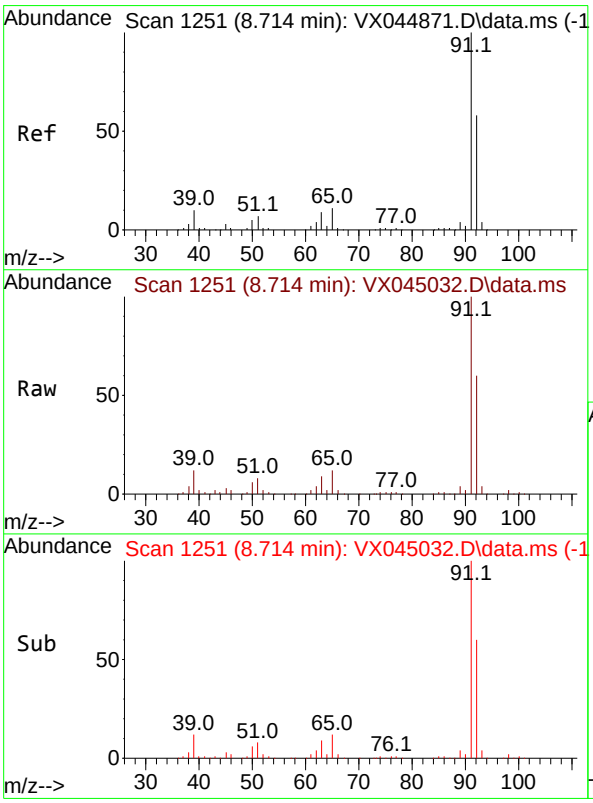
#51
4-Methyl-2-Pentanone
Concen: 118.897 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 43 Resp: 244157

Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.8	46.2

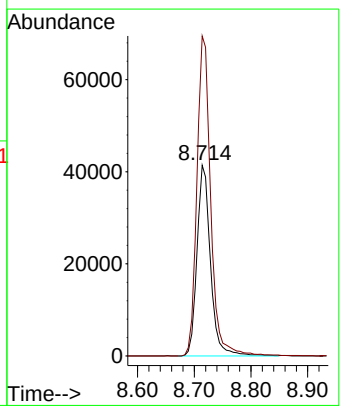


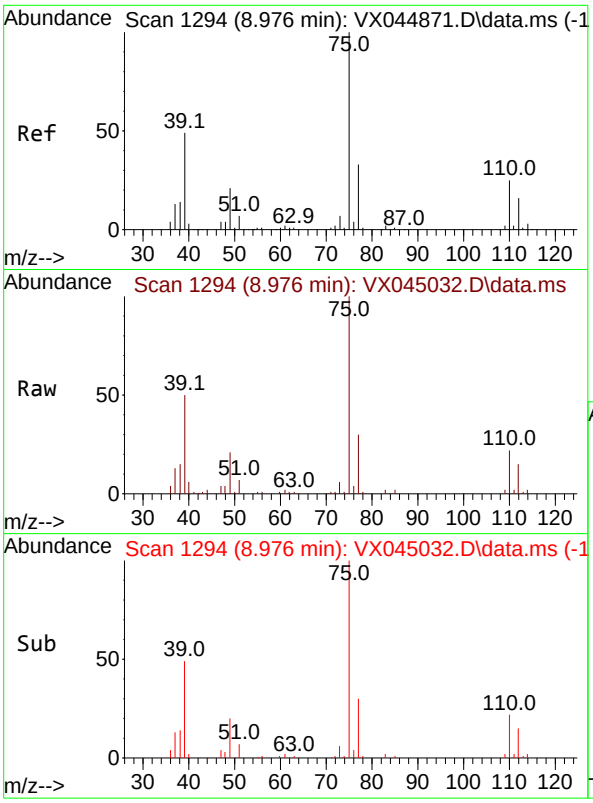


#52
Toluene
Concen: 19.597 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 92 Resp: 68535

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.4	206.2



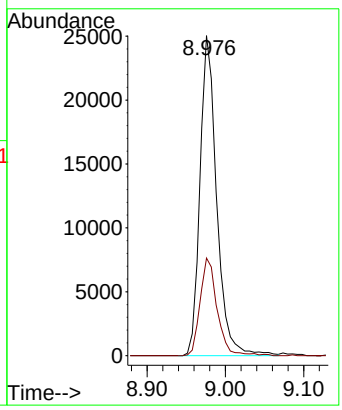


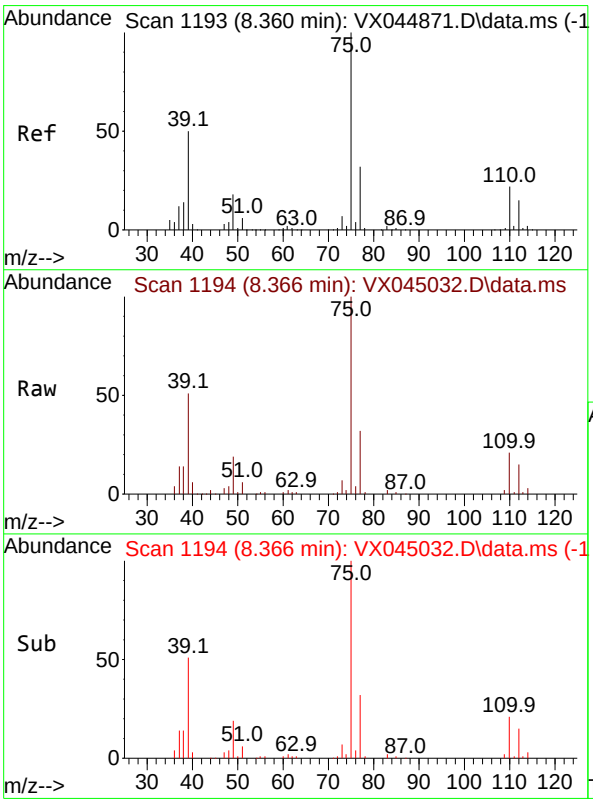
#53
t-1,3-Dichloropropene
Concen: 18.673 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 75 Resp: 37069

Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.0	39.0

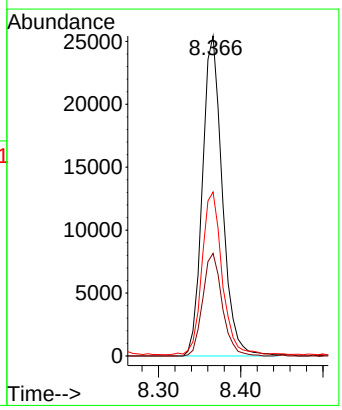


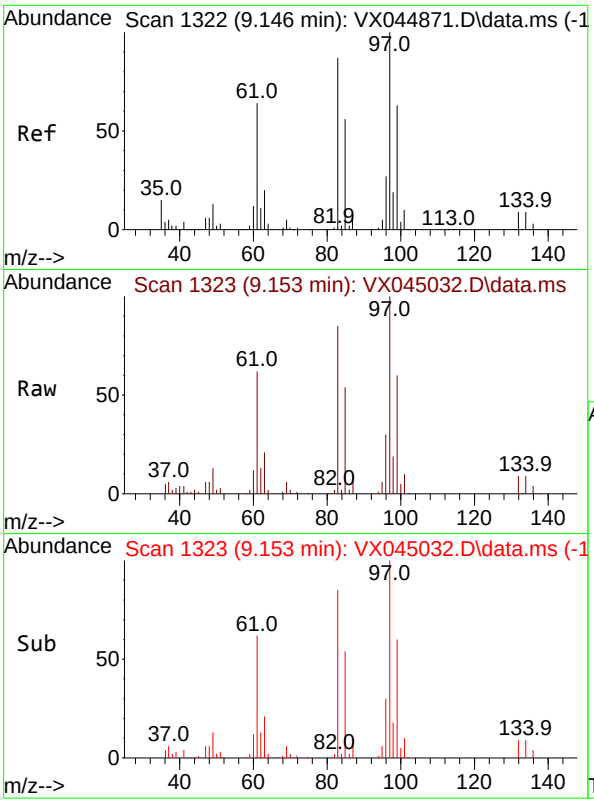


#54
cis-1,3-Dichloropropene
Concen: 19.324 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 42772

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9
39	50.5	40.0	60.0



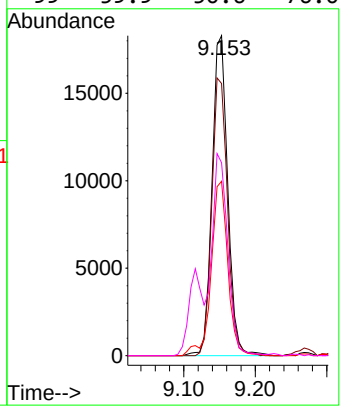


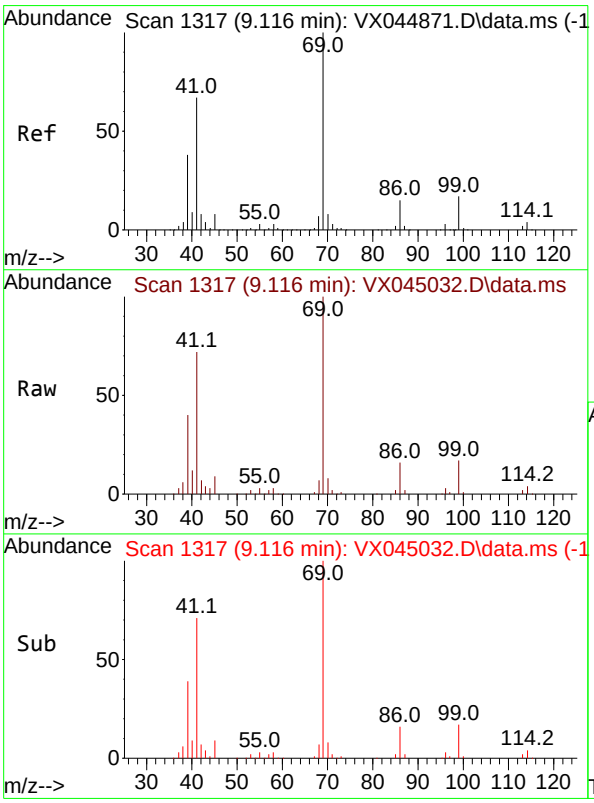
#55
1,1,2-Trichloroethane
Concen: 20.722 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 97 Resp: 27858

Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.8	104.6
85	54.5	44.8	67.2
99	59.9	50.6	76.0

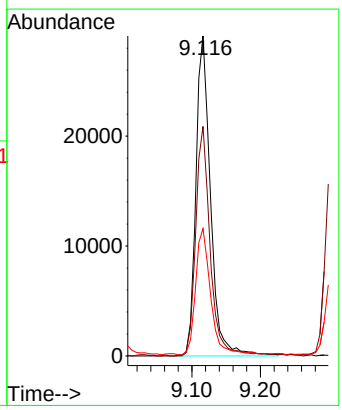


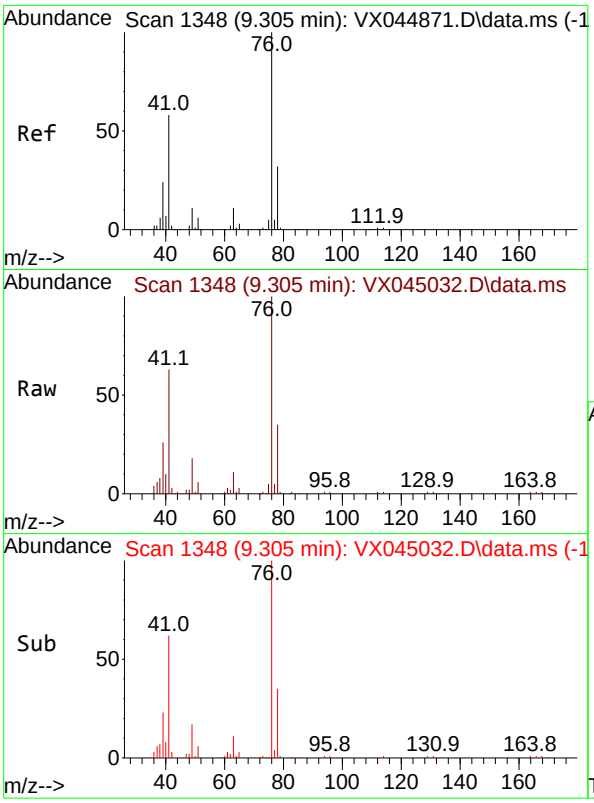


#56
Ethyl methacrylate
Concen: 19.922 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 69 Resp: 43256

Ion	Ratio	Lower	Upper
69	100		
41	71.8	55.2	82.8
39	40.3	30.8	46.2



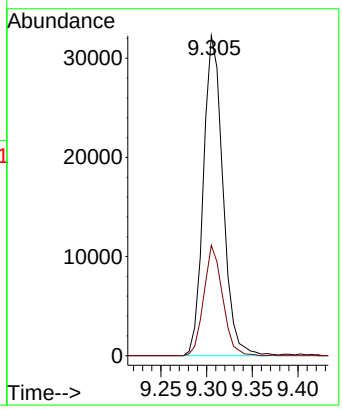


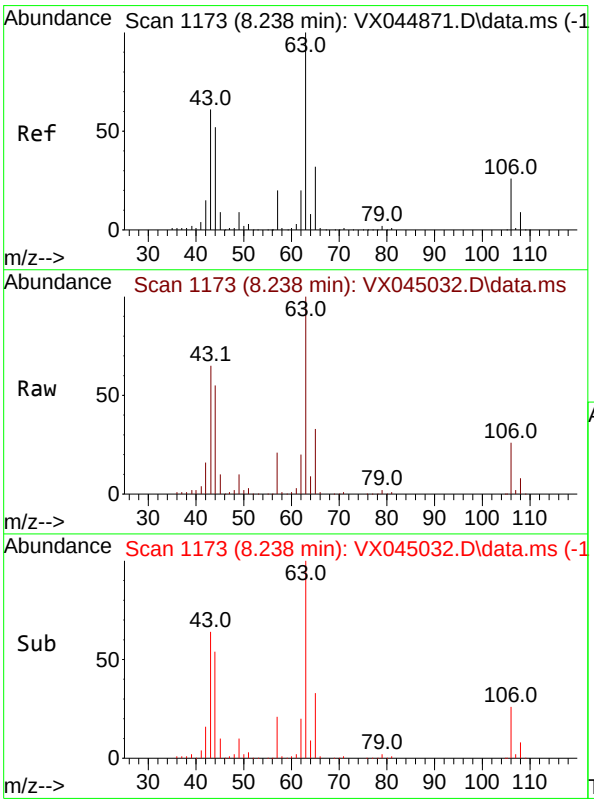
#57
1,3-Dichloropropane
Concen: 20.413 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 76 Resp: 48017

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

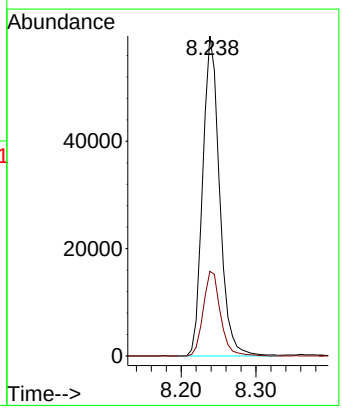


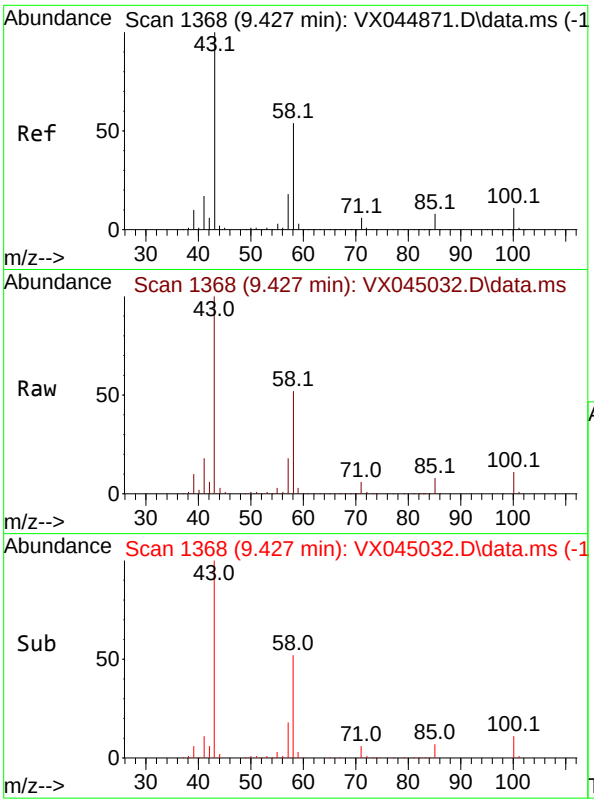


#58
2-Chloroethyl Vinyl ether
Concen: 87.867 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 63 Resp: 93678

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.3	31.9



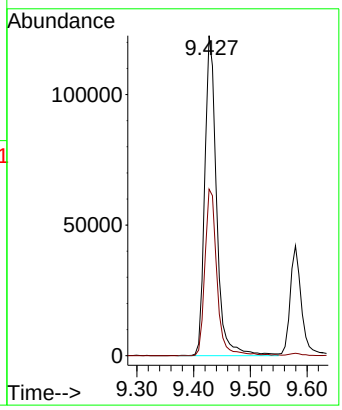


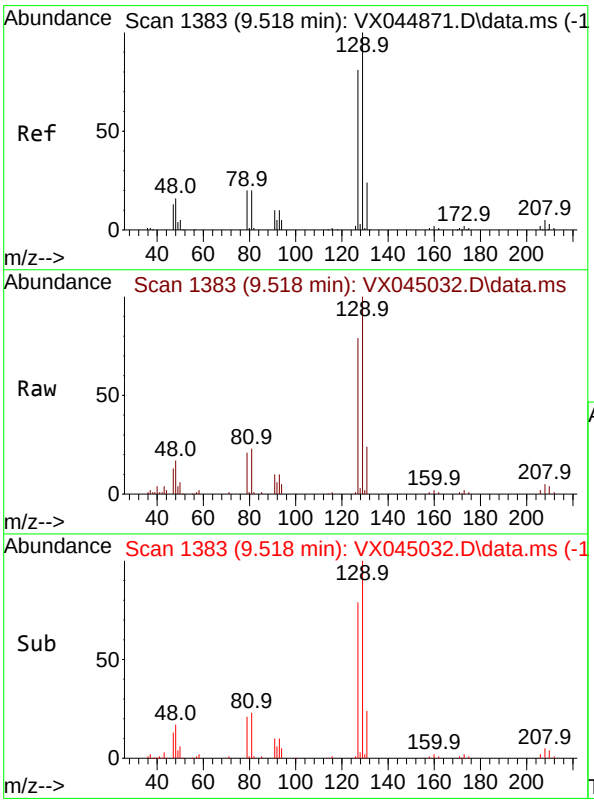
#59
2-Hexanone
Concen: 120.511 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 43 Resp: 178305

Ion	Ratio	Lower	Upper
43	100		
58	52.8	27.5	82.4

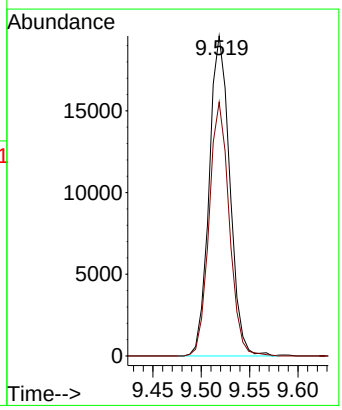


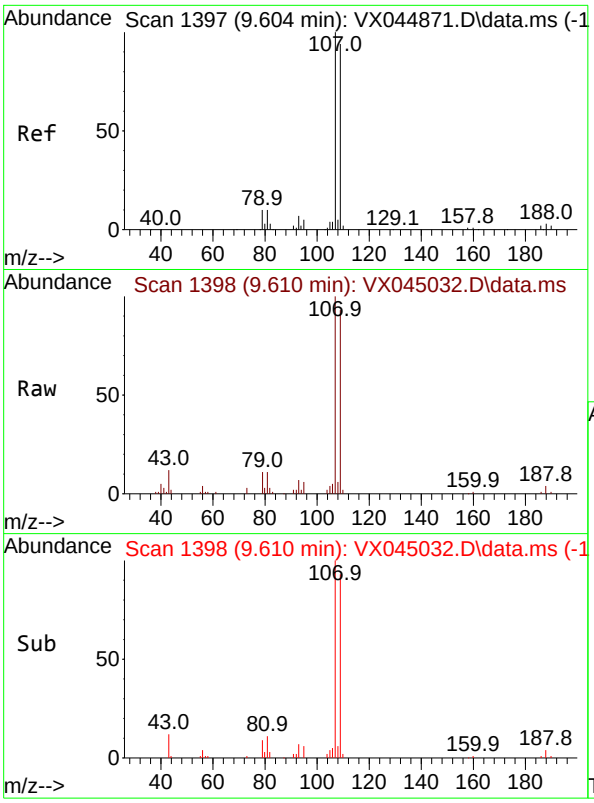


#60
Dibromochloromethane
Concen: 20.212 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:129 Resp: 29060

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.1	117.3



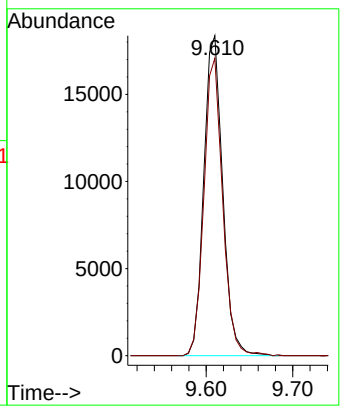


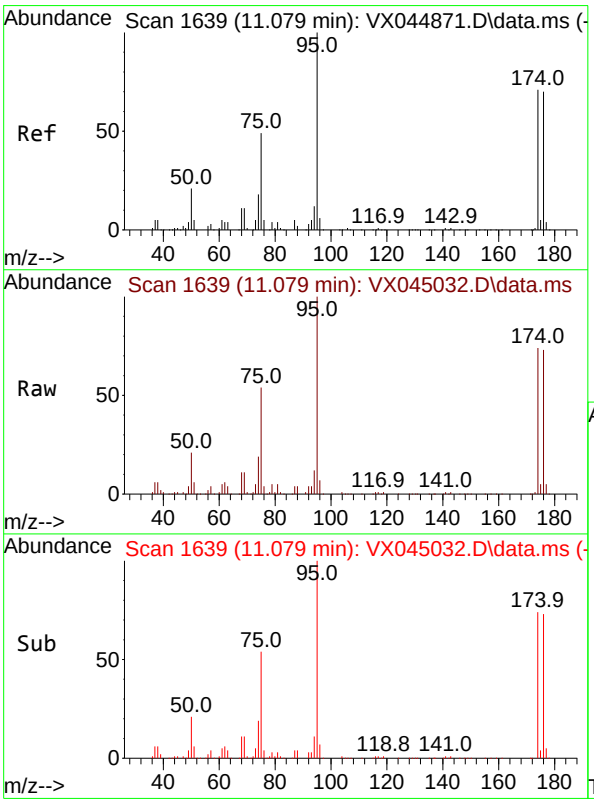
#61
1,2-Dibromoethane
Concen: 20.354 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:107 Resp: 27734

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.9	113.9

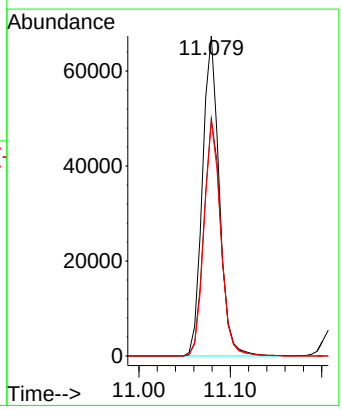


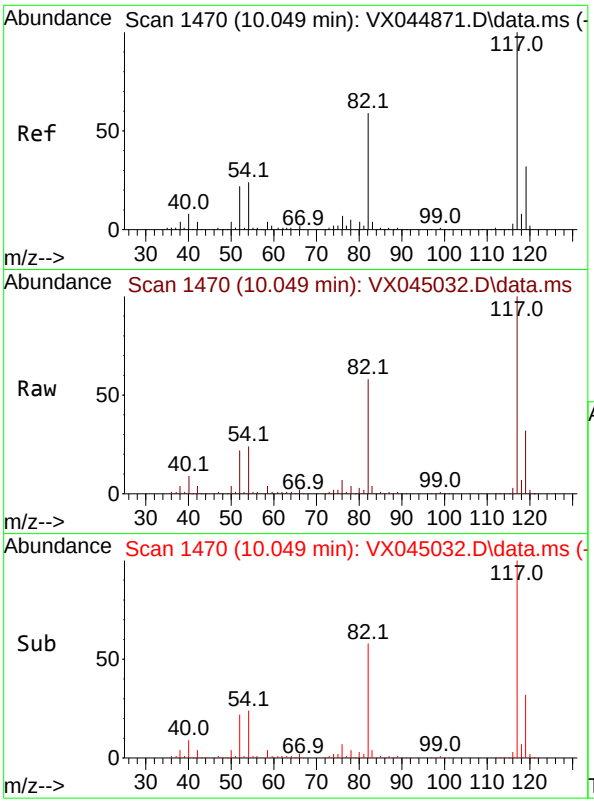


#62
4-Bromofluorobenzene
Concen: 51.563 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 95 Resp: 85680

Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	142.6
176	72.8	0.0	141.6



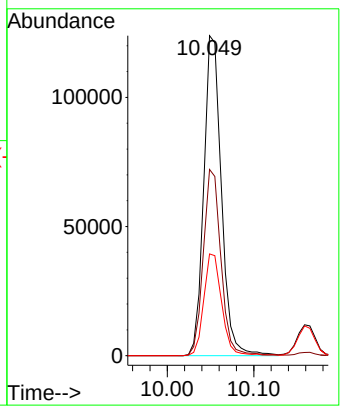


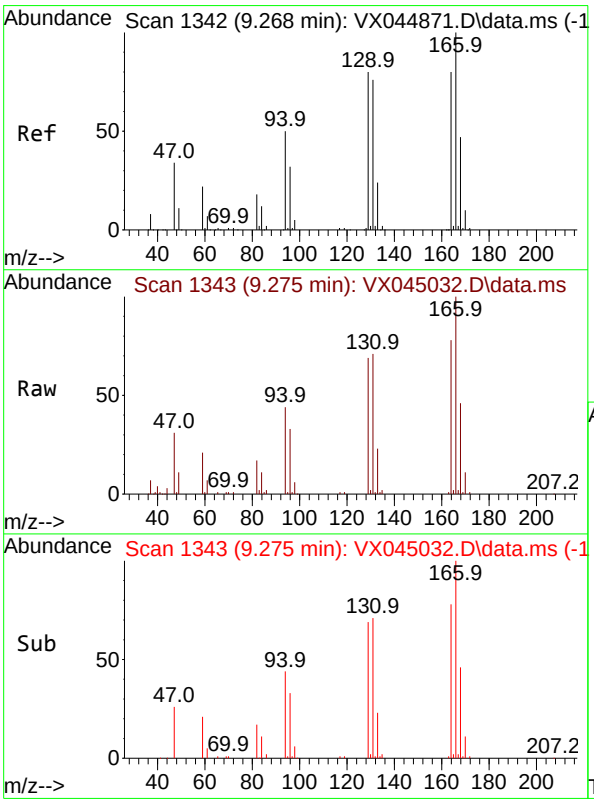
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:117 Resp: 175398

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.5	71.3
119	31.8	25.4	38.0

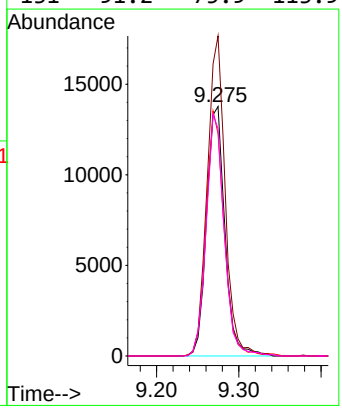


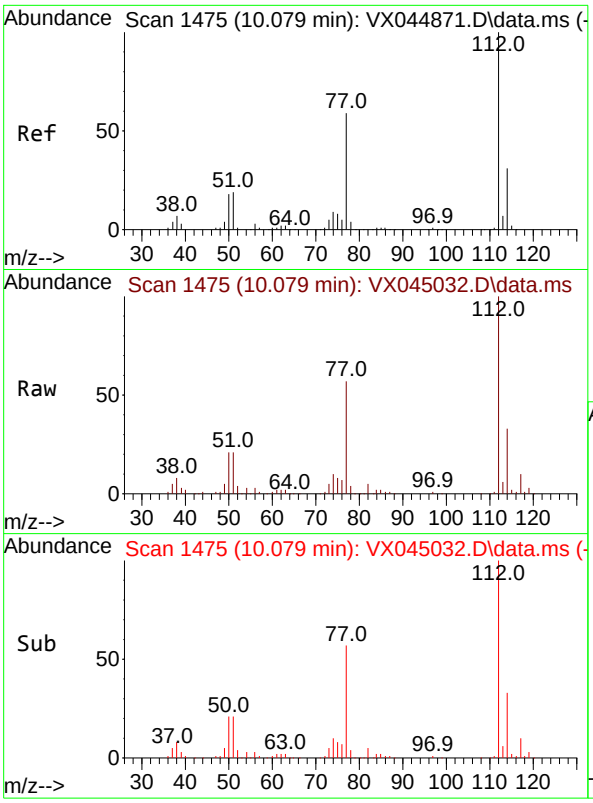


#64
Tetrachloroethene
Concen: 19.227 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:164 Resp: 21268

Ion	Ratio	Lower	Upper
164	100		
166	128.3	100.4	150.6
129	89.1	79.9	119.9
131	91.2	75.9	113.9



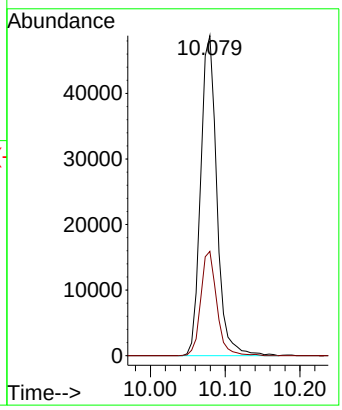


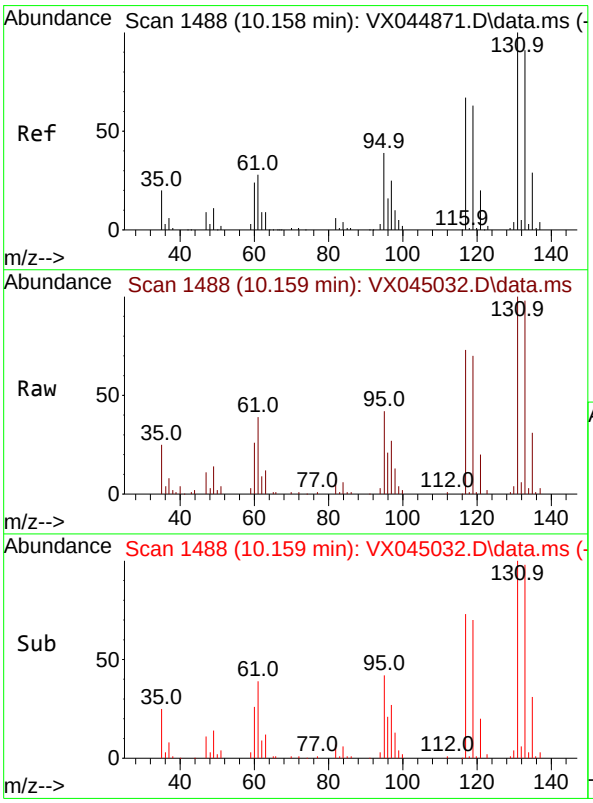
#65
Chlorobenzene
Concen: 19.510 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:112 Resp: 73498

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.0	37.6

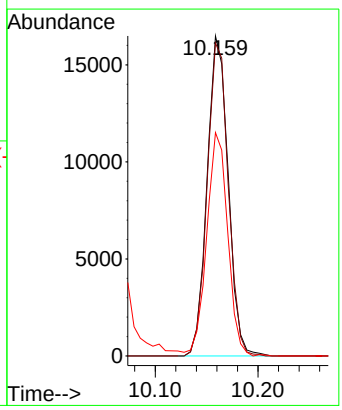


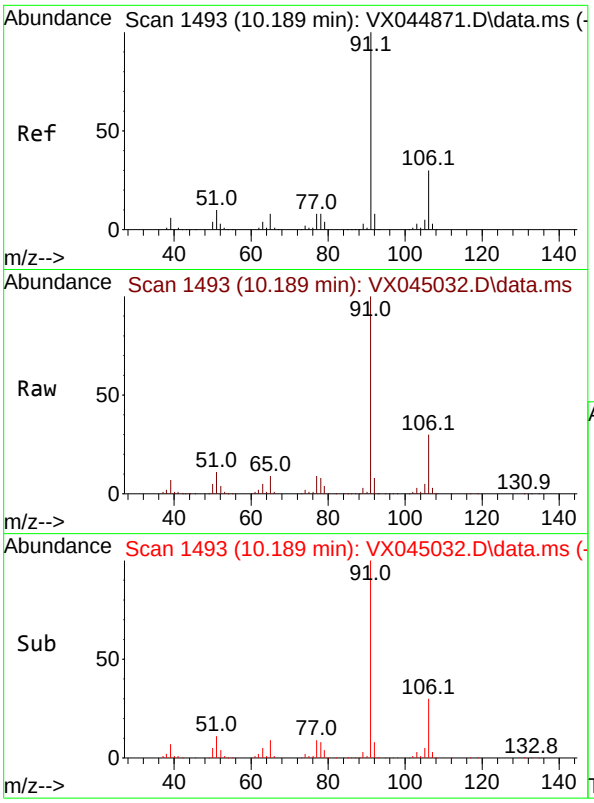


#66
1,1,1,2-Tetrachloroethane
Concen: 19.356 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:131 Resp: 23471

Ion	Ratio	Lower	Upper
131	100		
133	97.9	47.1	141.3
119	69.4	33.6	100.6



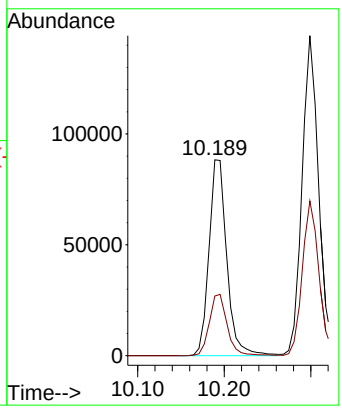


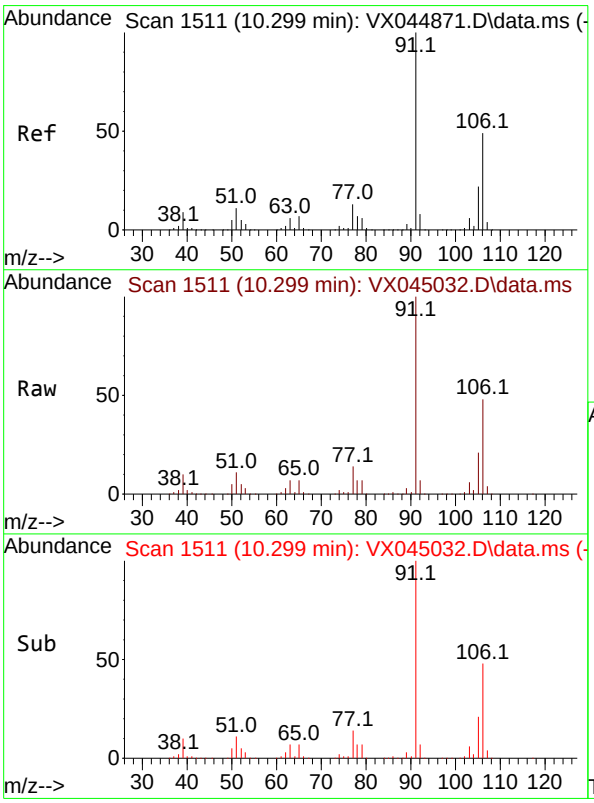
#67
Ethyl Benzene
Concen: 19.022 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 91 Resp: 126463

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9

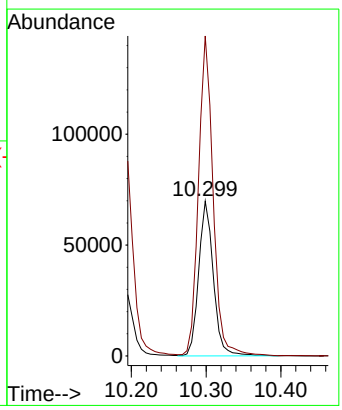


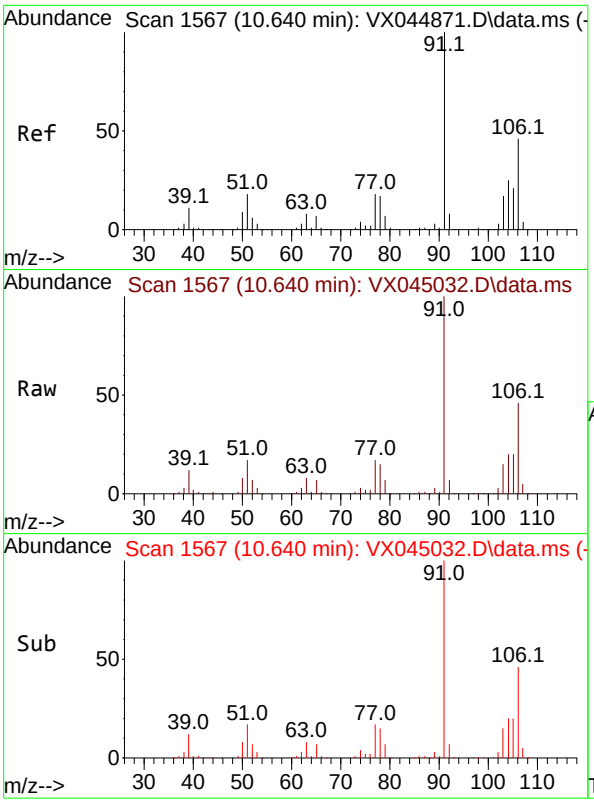


#68
m/p-Xylenes
Concen: 38.825 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:106 Resp: 95213

Ion	Ratio	Lower	Upper
106	100		
91	205.8	164.3	246.5



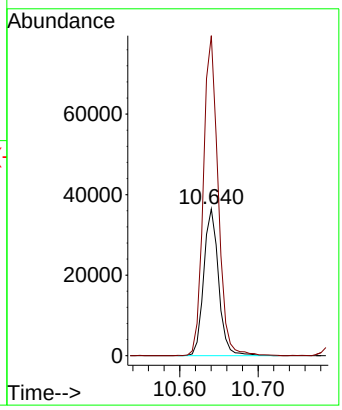


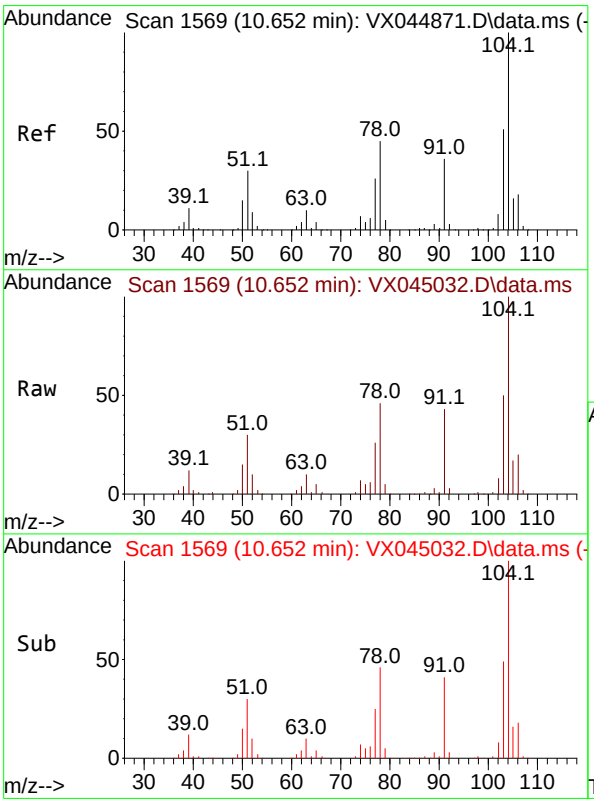
#69
o-Xylene
Concen: 19.470 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:106 Resp: 47911

Ion	Ratio	Lower	Upper
106	100		
91	216.9	108.5	325.5

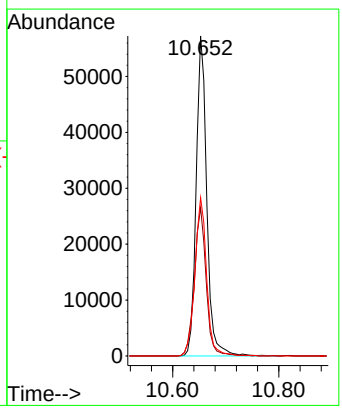


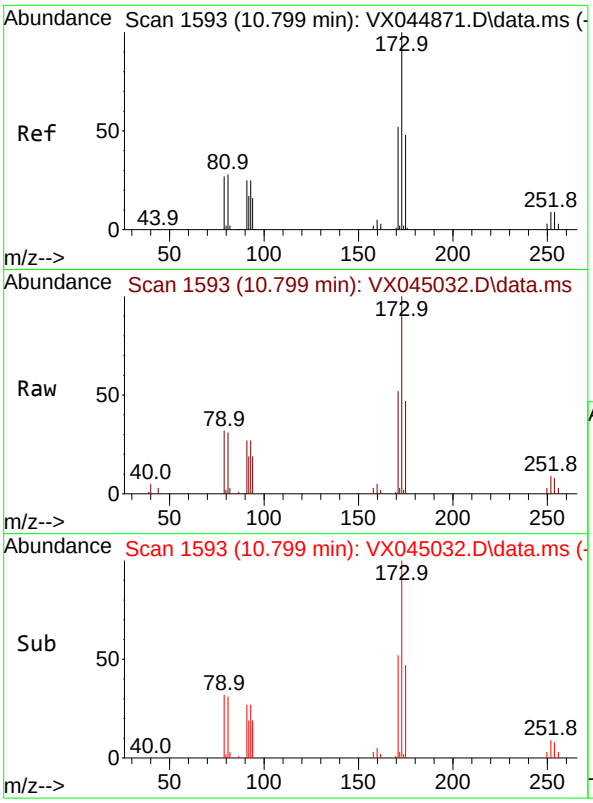


#70
Styrene
Concen: 20.025 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:104 Resp: 79389

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.5	60.7
103	54.8	43.6	65.4



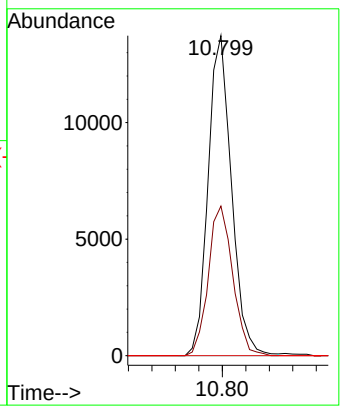


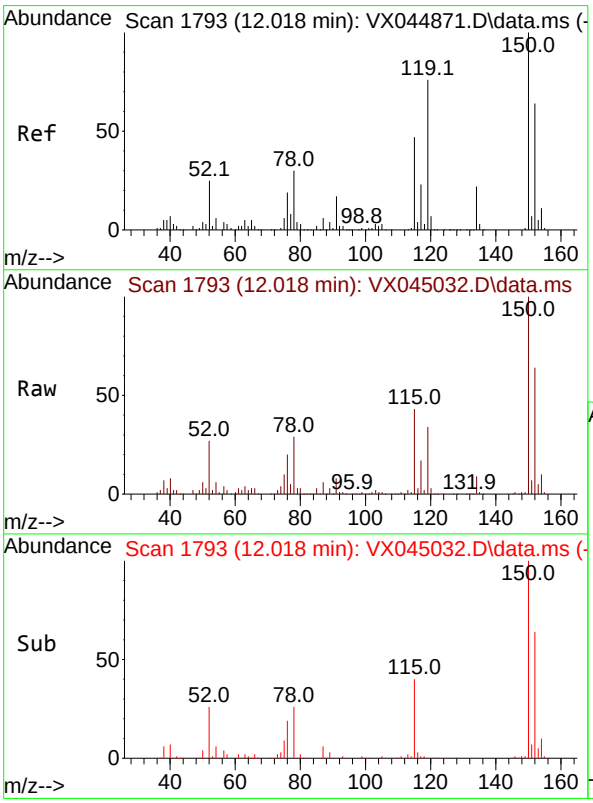
#71
Bromoform
Concen: 20.964 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:173 Resp: 18971

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.0	0.0

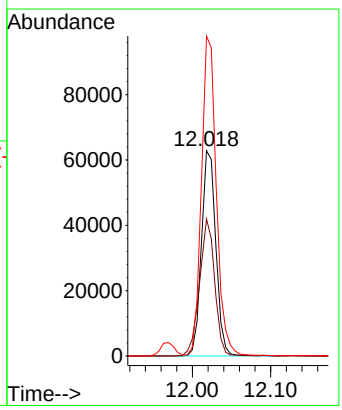


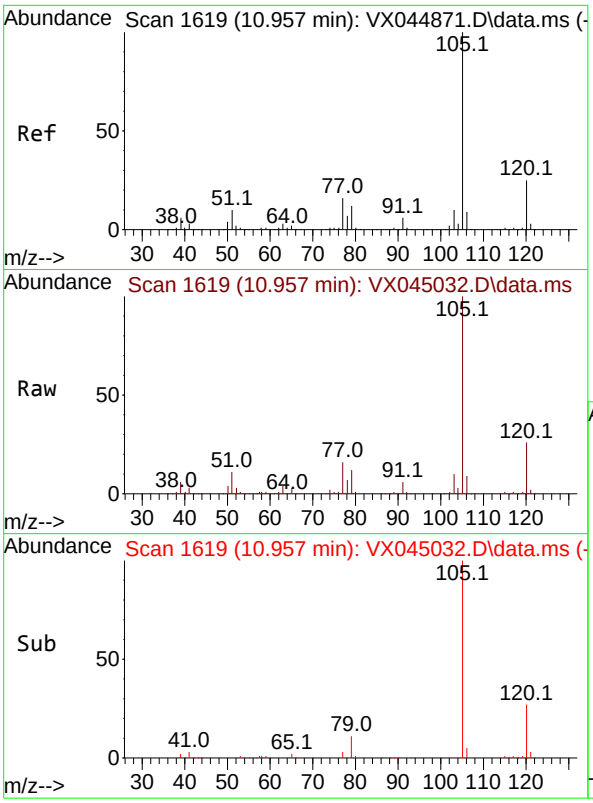


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:152 Resp: 80174

Ion	Ratio	Lower	Upper
152	100		
115	70.2	43.4	130.1
150	161.2	0.0	350.4



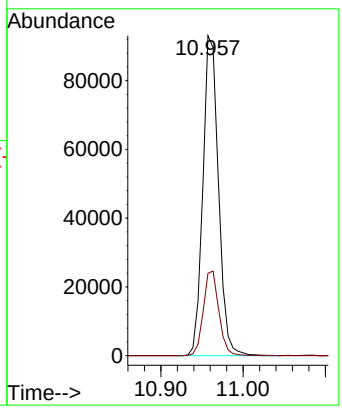


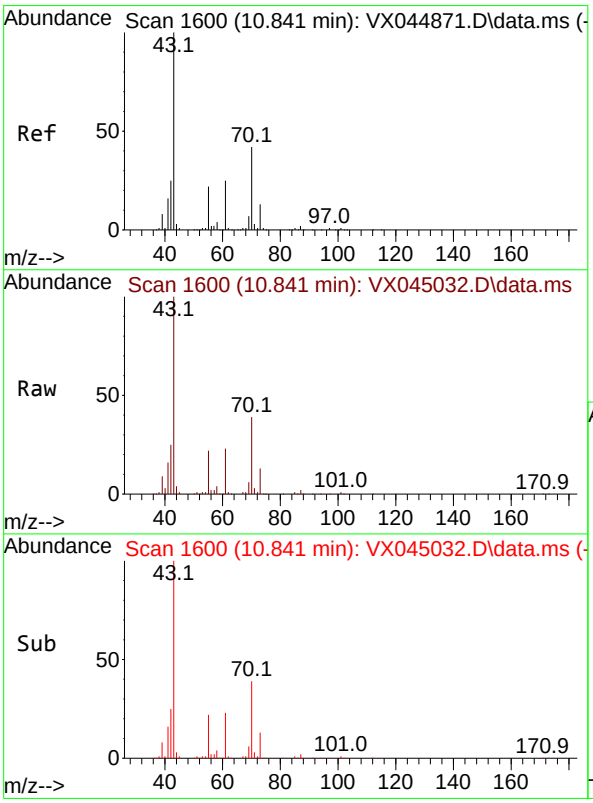
#73
Isopropylbenzene
Concen: 19.026 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:105 Resp: 122826

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

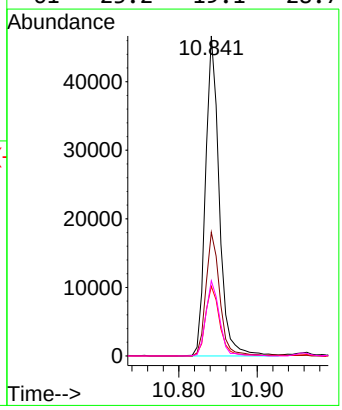


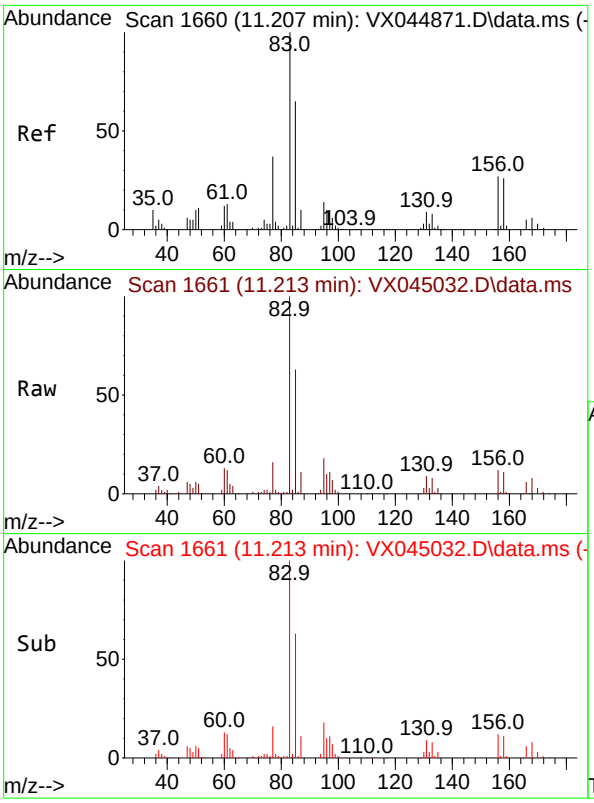


#74
N-amyl acetate
Concen: 19.423 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 56740

Ion	Ratio	Lower	Upper
43	100		
70	38.8	33.7	50.5
55	22.6	18.6	27.8
61	23.2	19.1	28.7



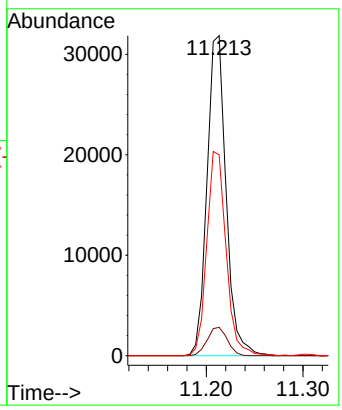


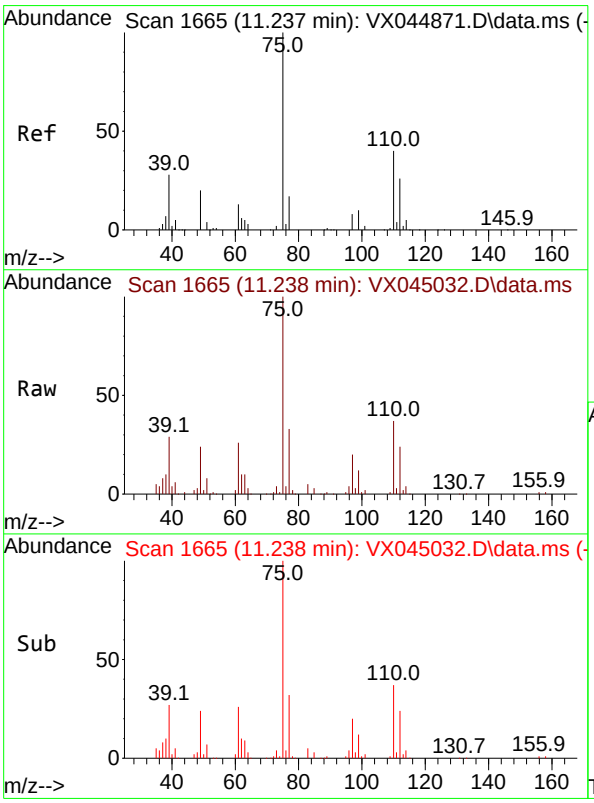
#75
1,1,2,2-Tetrachloroethane
Concen: 19.709 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 83 Resp: 43721

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.5
85	64.5	32.3	96.8

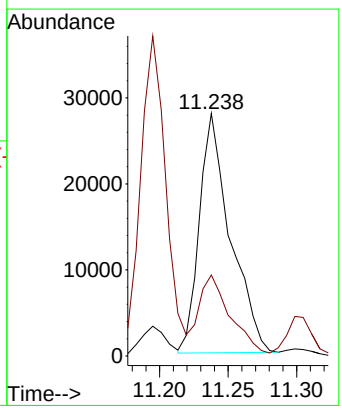


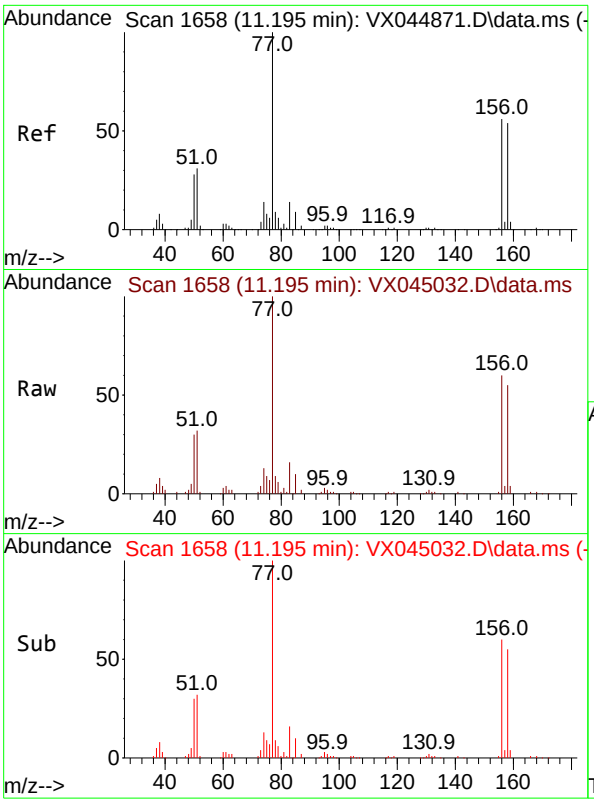


#76
1,2,3-Trichloropropane
Concen: 24.701 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 43908

Ion	Ratio	Lower	Upper
75	100		
77	34.6	21.9	65.7



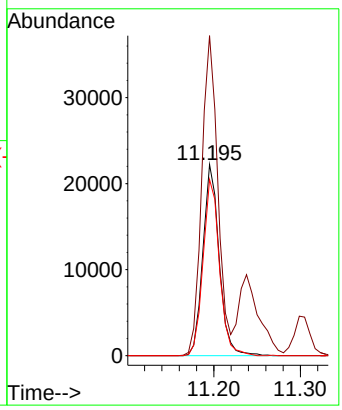


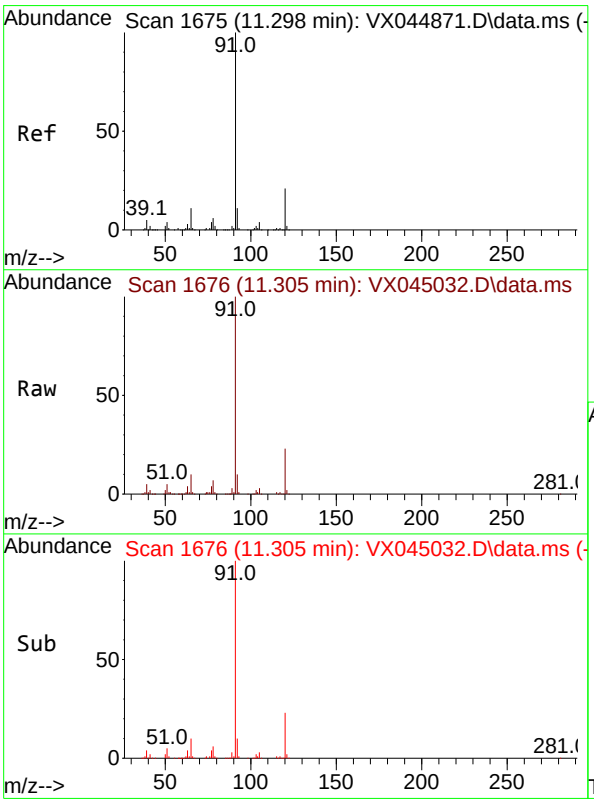
#77
Bromobenzene
Concen: 19.860 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:156 Resp: 29066

Ion	Ratio	Lower	Upper
156	100		
77	165.1	88.4	265.3
158	92.9	48.4	145.2

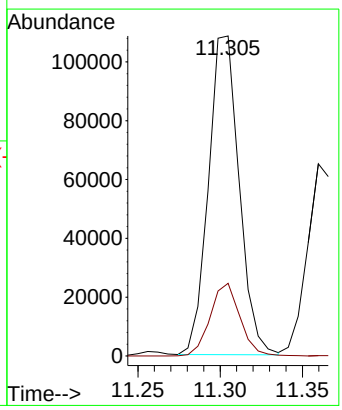


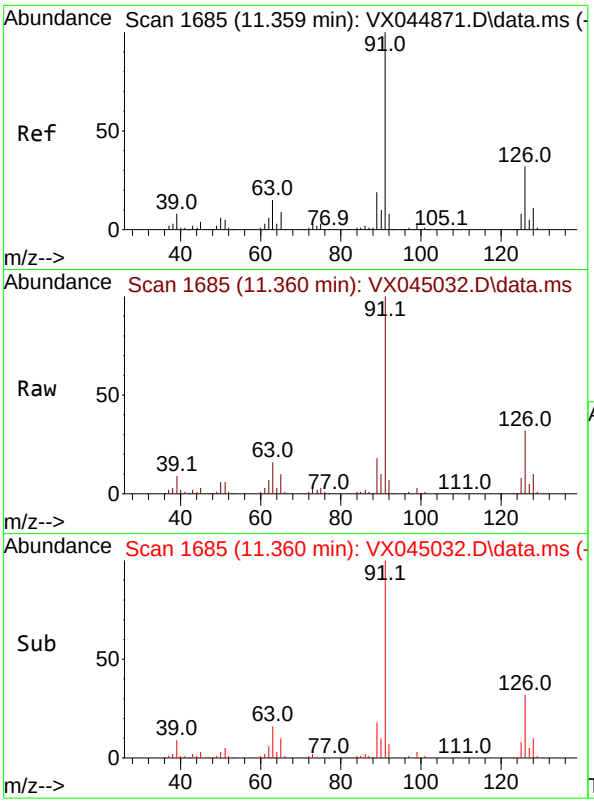


#78
n-propylbenzene
Concen: 18.896 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 91 Resp: 140796

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3



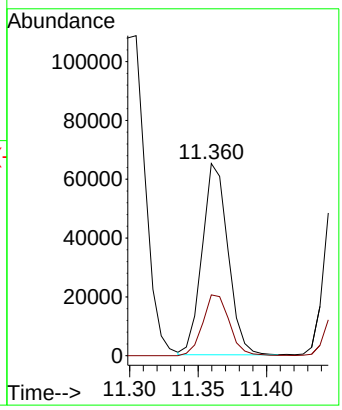


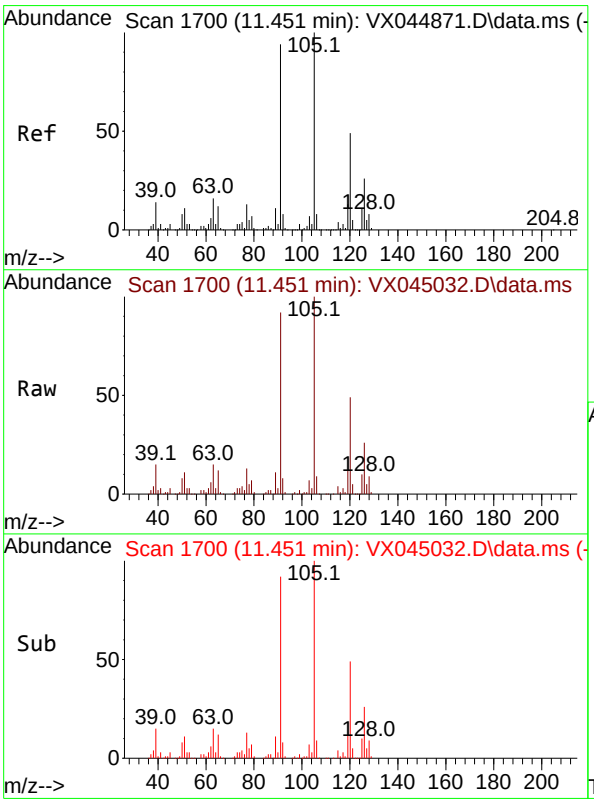
#79
2-Chlorotoluene
Concen: 18.638 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 91 Resp: 85351

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.2	48.6

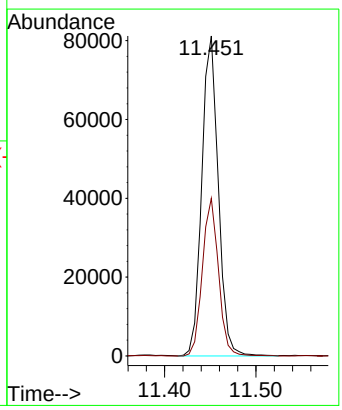


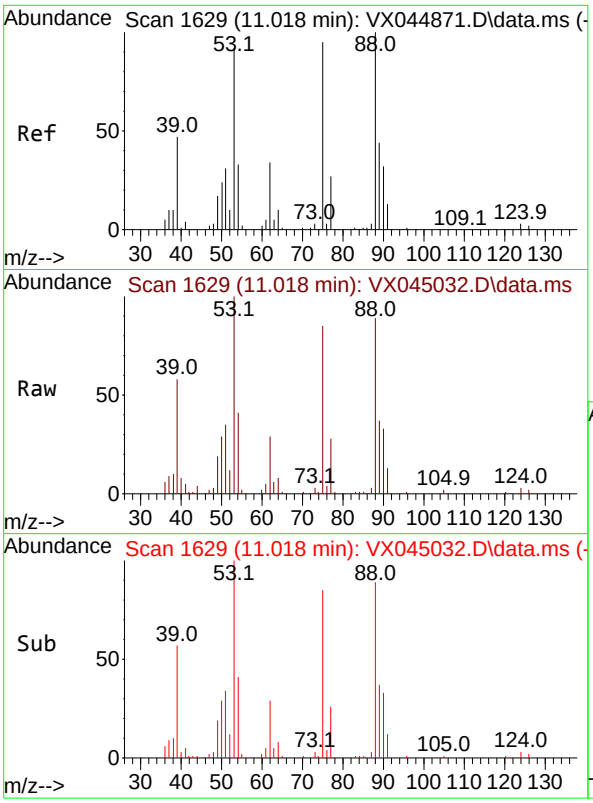


#80
1,3,5-Trimethylbenzene
Concen: 19.413 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:105 Resp: 101697

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0



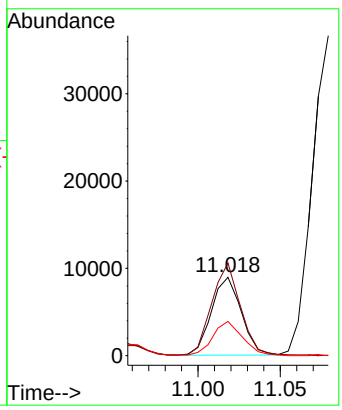


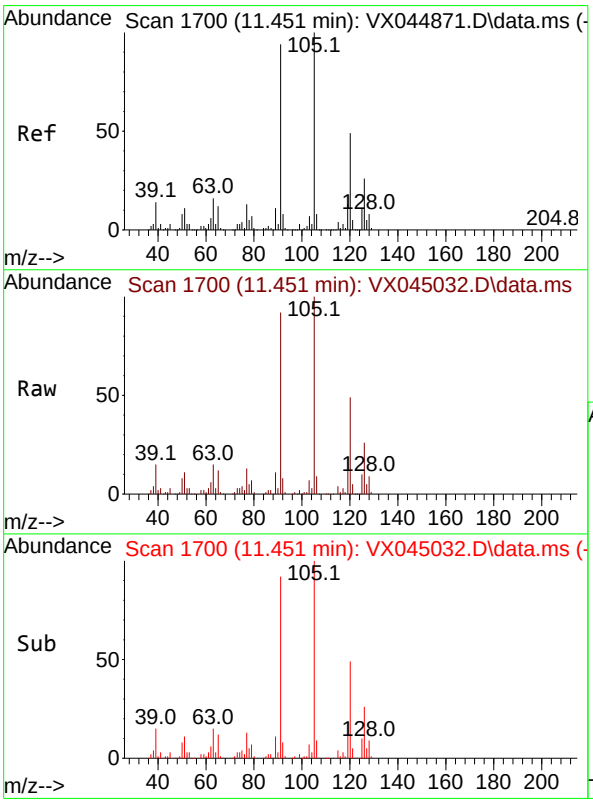
#81
trans-1,4-Dichloro-2-butene
Concen: 16.327 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 75 Resp: 11282

Ion	Ratio	Lower	Upper
75	100		
53	115.7	78.0	117.0
89	44.1	36.6	54.8

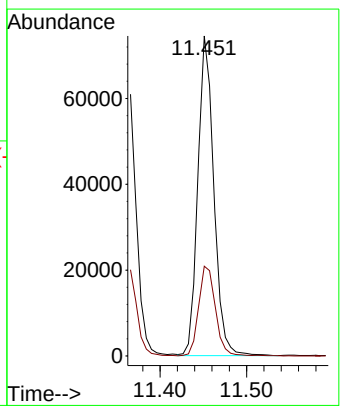


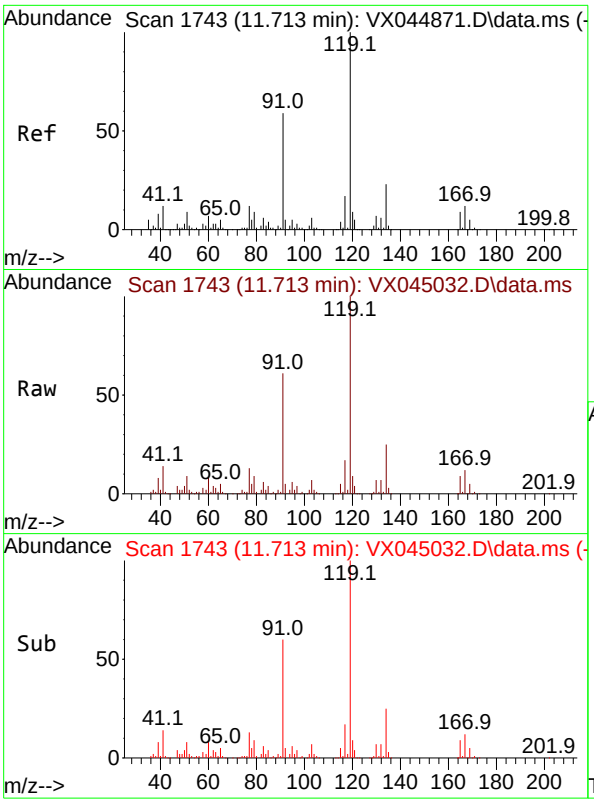


#82
4-Chlorotoluene
Concen: 18.828 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 91 Resp: 95392

Ion	Ratio	Lower	Upper
91	100		
126	29.7	14.2	42.6



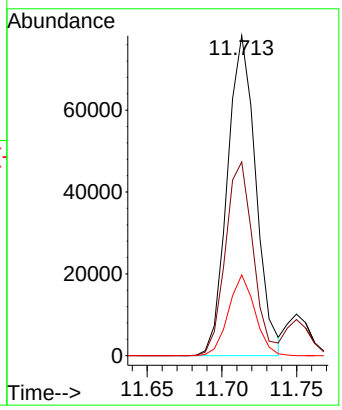


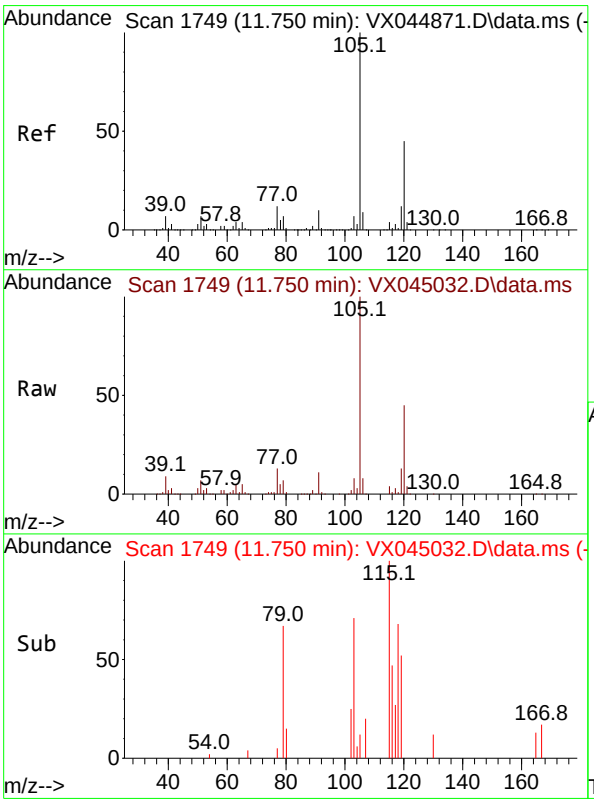
#83
tert-Butylbenzene
Concen: 19.525 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:119 Resp: 103475

Ion	Ratio	Lower	Upper
119	100		
91	59.5	29.1	87.4
134	23.5	11.5	34.5

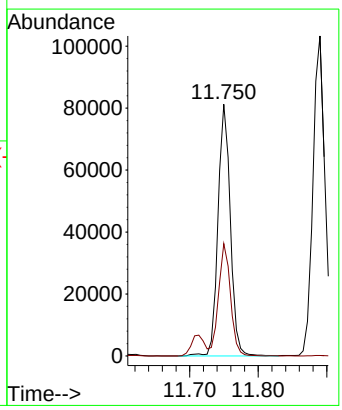


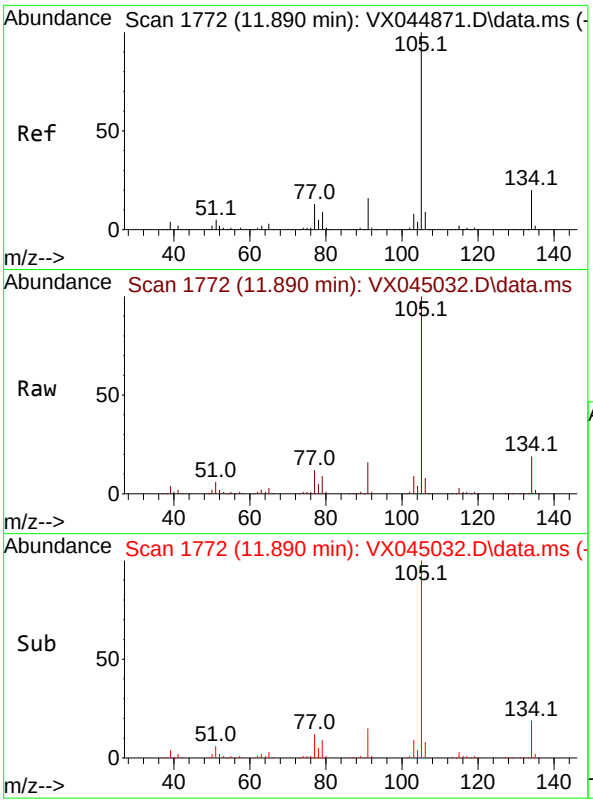


#84
1,2,4-Trimethylbenzene
Concen: 19.564 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:105 Resp: 101154

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.4	67.0



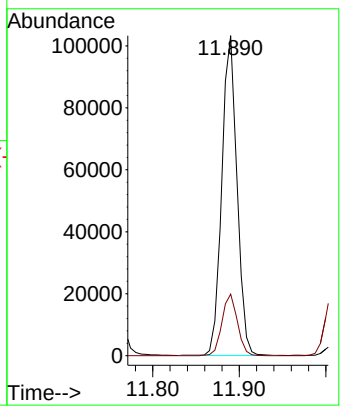


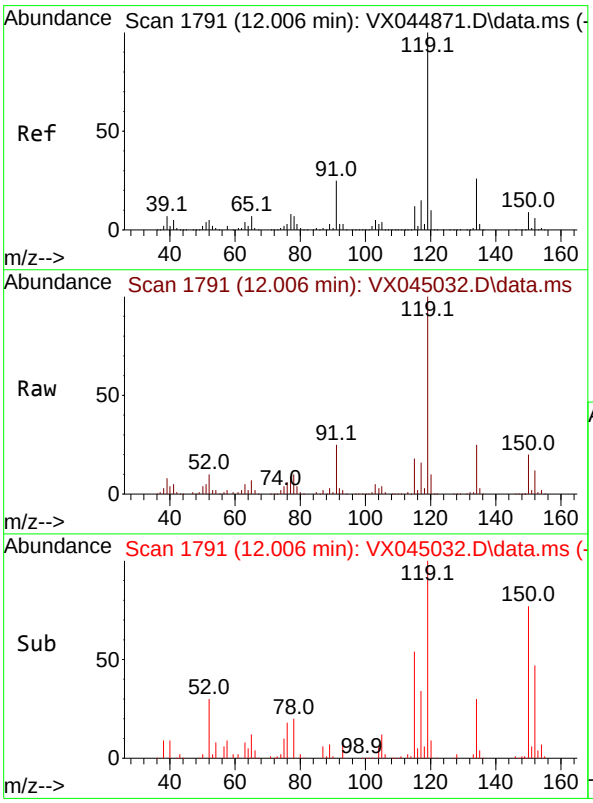
#85
sec-Butylbenzene
Concen: 19.167 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:105 Resp: 125785

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

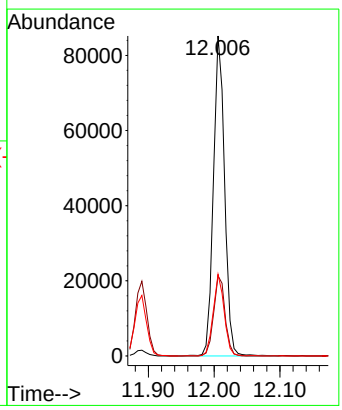


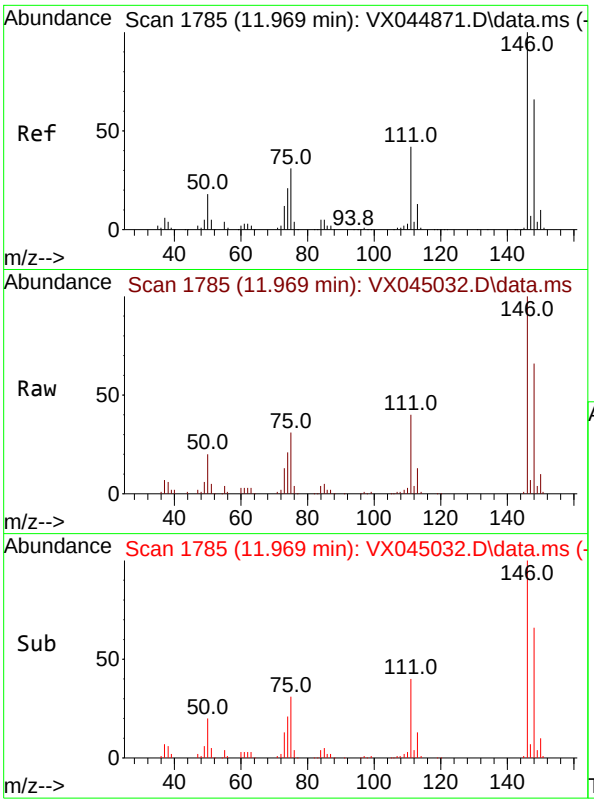


#86
p-Isopropyltoluene
Concen: 19.116 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:119 Resp: 100881

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	38.9
91	25.0	12.1	36.3



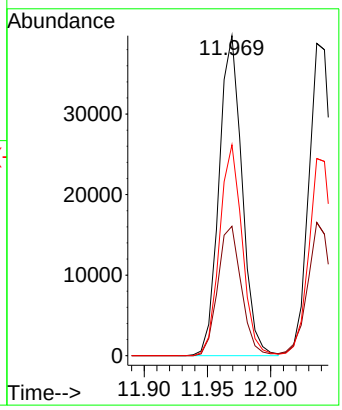


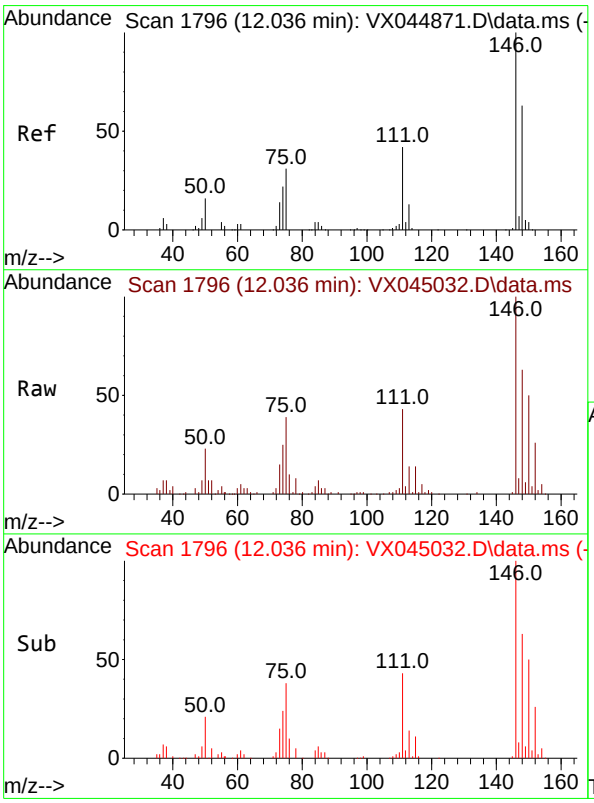
#87
1,3-Dichlorobenzene
Concen: 18.633 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:146 Resp: 50150

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.2	63.6
148	64.9	32.5	97.5

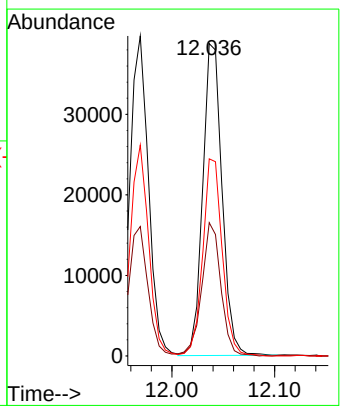


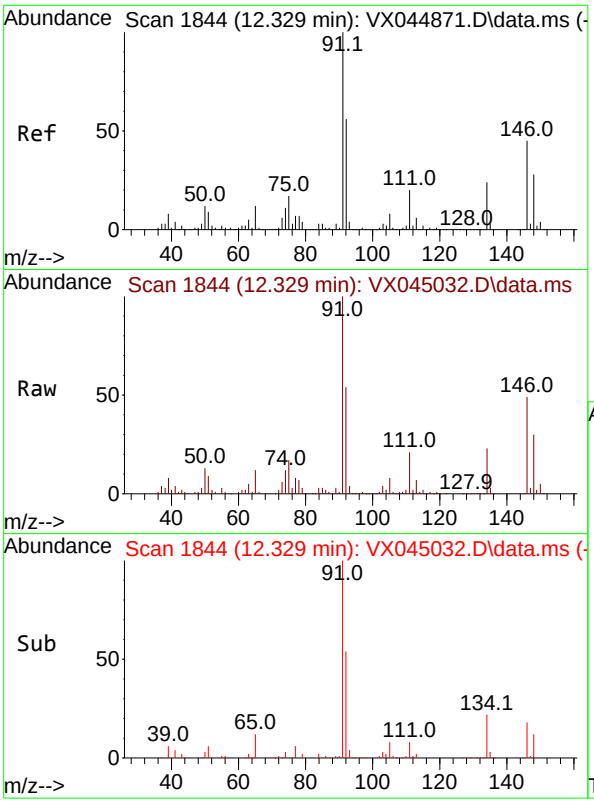


#88
1,4-Dichlorobenzene
Concen: 18.636 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:146 Resp: 50714

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.4	61.3
148	63.9	32.0	96.0



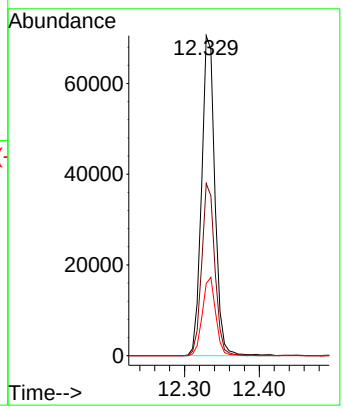


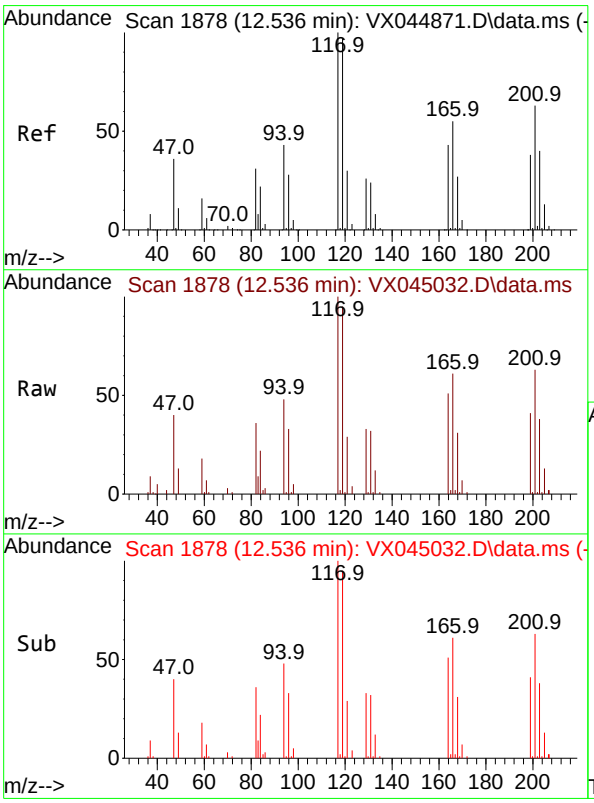
#89
n-Butylbenzene
Concen: 18.666 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 91 Resp: 87150

Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.2	81.6
134	24.5	12.1	36.3

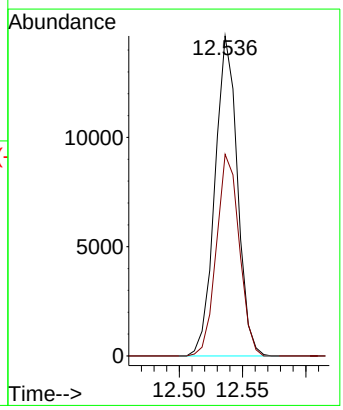


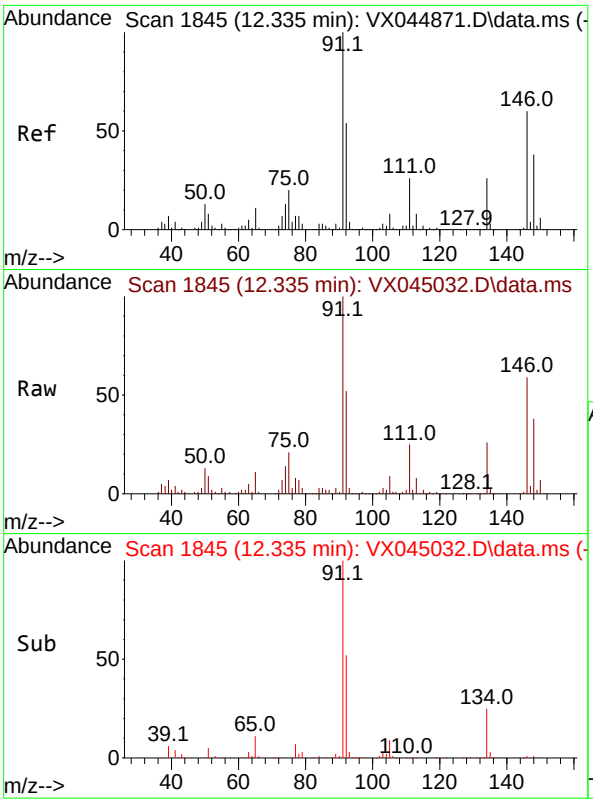


#90
Hexachloroethane
Concen: 18.288 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:117 Resp: 18072

Ion	Ratio	Lower	Upper
117	100		
201	64.1	32.5	97.5



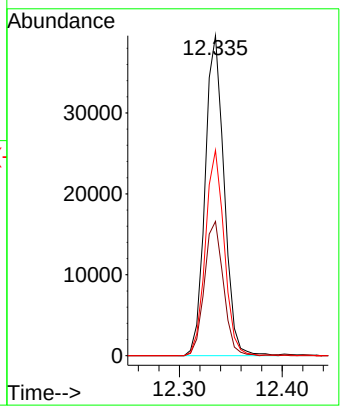


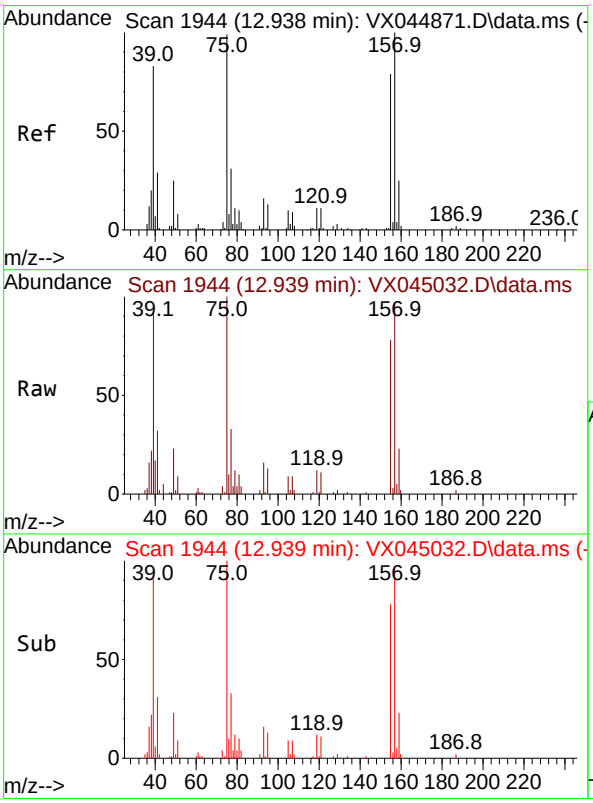
#91
1,2-Dichlorobenzene
Concen: 19.233 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:146 Resp: 50875

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.8	65.4
148	63.6	31.9	95.9

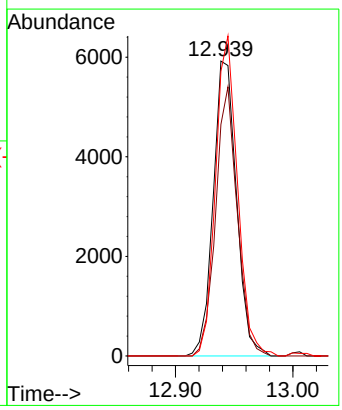


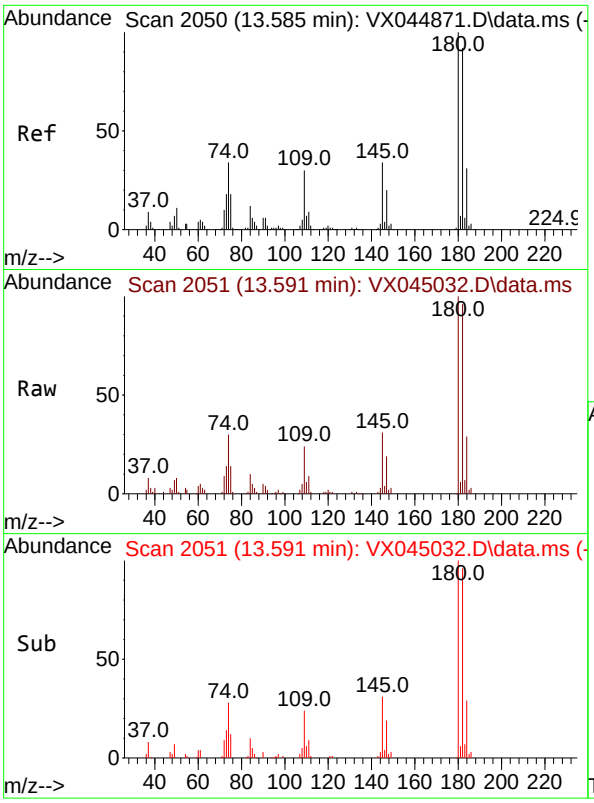


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.172 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 8167

Ion	Ratio	Lower	Upper
75	100		
155	84.6	40.5	121.4
157	102.6	51.4	154.3



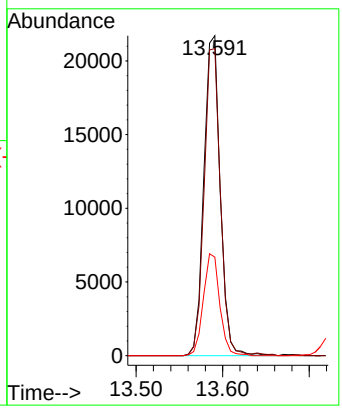


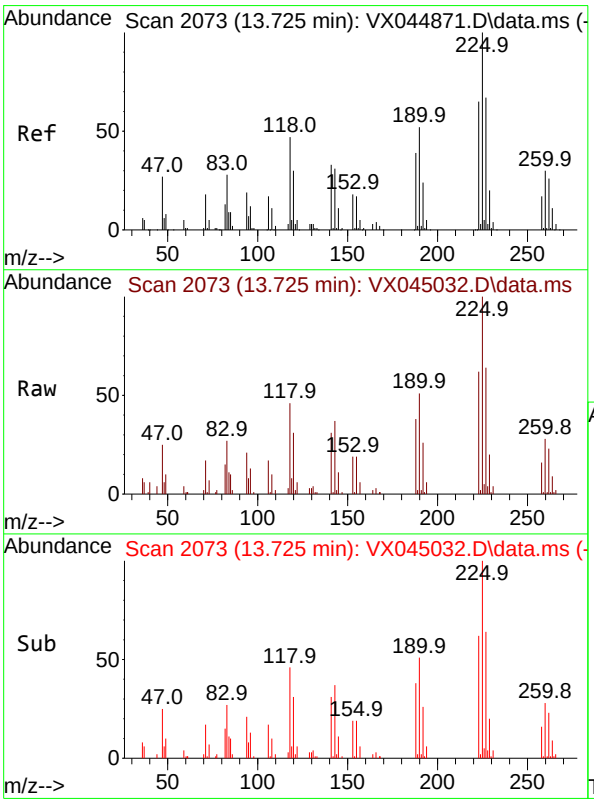
#93
1,2,4-Trichlorobenzene
Concen: 17.779 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:180 Resp: 28457

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	32.0	16.4	49.1

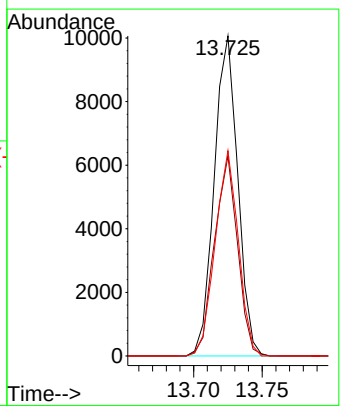


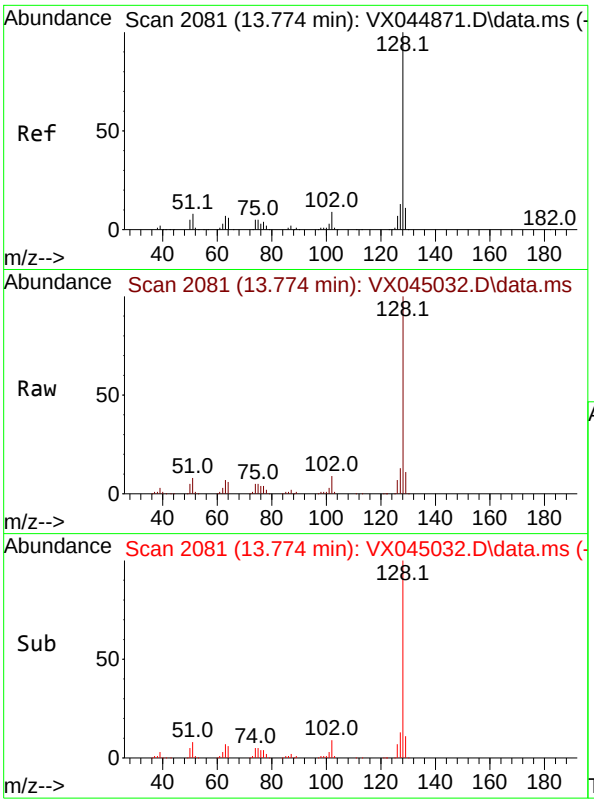


#94
Hexachlorobutadiene
Concen: 18.900 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:225 Resp: 12009

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.2
227	63.0	32.3	96.8



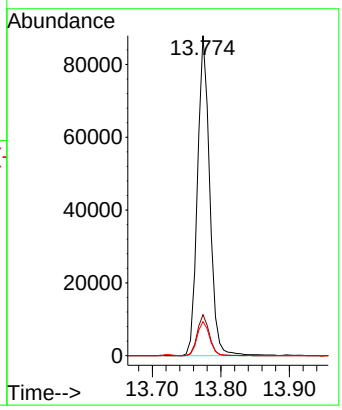


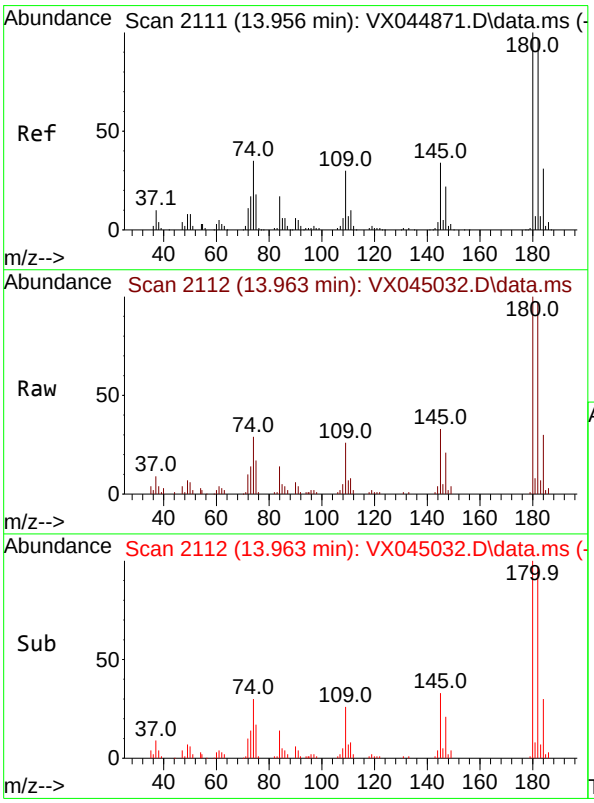
#95
Naphthalene
Concen: 18.898 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:128 Resp: 109343

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.9	13.3

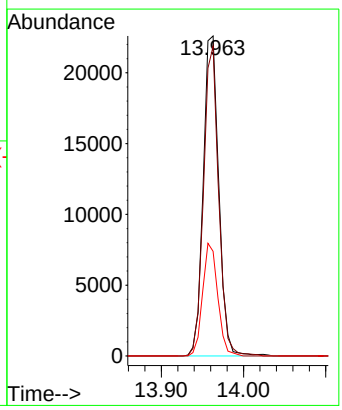




#96
1,2,3-Trichlorobenzene
Concen: 18.454 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:180 Resp: 29764

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.9	143.6
145	34.2	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045033.D
Acq On : 25 Feb 2025 12:57
Operator : JC/MD
Sample : VX0225WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Quant Time: Feb 26 03:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	104015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184616	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81281	53.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.760%			
35) Dibromofluoromethane	5.379	113	64458	53.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.400%			
50) Toluene-d8	8.647	98	225725	49.732	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.460%			
62) 4-Bromofluorobenzene	11.079	95	82320	53.799	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	26428	18.116	ug/l	97
3) Chloromethane	1.313	50	27728	15.616	ug/l	98
4) Vinyl Chloride	1.374	62	27620	16.057	ug/l	98
5) Bromomethane	1.593	94	10551	20.498	ug/l	86
6) Chloroethane	1.672	64	16473	22.738	ug/l	100
7) Trichlorofluoromethane	1.874	101	41082	18.886	ug/l	99
8) Diethyl Ether	2.130	74	15050	19.077	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	24224	18.431	ug/l	98
10) Methyl Iodide	2.447	142	24750	14.530	ug/l	96
11) Tert butyl alcohol	2.971	59	33570	118.846	ug/l	99
12) 1,1-Dichloroethene	2.313	96	22933	17.106	ug/l	96
13) Acrolein	2.233	56	24474	83.978	ug/l	99
14) Allyl chloride	2.660	41	45680	18.853	ug/l	98
15) Acrylonitrile	3.062	53	85298	113.101	ug/l	98
16) Acetone	2.380	43	73126	119.468	ug/l	96
17) Carbon Disulfide	2.501	76	56362	15.331	ug/l	100
18) Methyl Acetate	2.703	43	48917	25.325	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	82029	19.230	ug/l	96
20) Methylene Chloride	2.782	84	27752	18.510	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	23160	17.552	ug/l	97
22) Diisopropyl ether	3.757	45	90716	19.790	ug/l	88
23) Vinyl Acetate	3.721	43	366009	97.941	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47577	18.550	ug/l	97
25) 2-Butanone	4.556	43	119622	120.352	ug/l	93
26) 2,2-Dichloropropane	4.471	77	35307	17.358	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	29525	18.628	ug/l	100
28) Bromochloromethane	4.897	49	25948	21.051	ug/l	98
29) Tetrahydrofuran	5.001	42	78676	119.207	ug/l	98
30) Chloroform	5.086	83	49005	19.701	ug/l	97
31) Cyclohexane	5.458	56	41985	17.756	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	39919	18.921	ug/l	100
36) 1,1-Dichloropropene	5.690	75	31489	18.184	ug/l	100
37) Ethyl Acetate	4.715	43	43459	22.562	ug/l	99
38) Carbon Tetrachloride	5.666	117	33303	19.625	ug/l	99
39) Methylcyclohexane	7.373	83	41979	18.750	ug/l	97
40) Benzene	6.031	78	101685	18.805	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045033.D
Acq On : 25 Feb 2025 12:57
Operator : JC/MD
Sample : VX0225WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Quant Time: Feb 26 03:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	25273	24.513	ug/l		96
42) 1,2-Dichloroethane	6.080	62	36973	21.453	ug/l		99
43) Isopropyl Acetate	6.342	43	67869	21.820	ug/l		98
44) Trichloroethene	7.123	130	23937	19.366	ug/l		97
45) 1,2-Dichloropropane	7.427	63	26735	19.873	ug/l		98
46) Dibromomethane	7.580	93	19271	20.656	ug/l		99
47) Bromodichloromethane	7.818	83	37771	20.908	ug/l		99
48) Methyl methacrylate	7.696	41	33381	22.760	ug/l		97
49) 1,4-Dioxane	7.659	88	15530	493.544	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	238466	126.106	ug/l		97
52) Toluene	8.714	92	62103	19.284	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	33432	18.288	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	40084	19.666	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	26031	21.027	ug/l		96
56) Ethyl methacrylate	9.116	69	41220	20.616	ug/l		98
57) 1,3-Dichloropropane	9.305	76	44709	20.641	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	88402	90.045	ug/l		100
59) 2-Hexanone	9.427	43	175998	129.175	ug/l		97
60) Dibromochloromethane	9.519	129	27361	20.666	ug/l		99
61) 1,2-Dibromoethane	9.610	107	26005	20.725	ug/l		99
64) Tetrachloroethene	9.269	164	19902	19.217	ug/l		98
65) Chlorobenzene	10.079	112	68070	19.299	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	22640	19.942	ug/l		98
67) Ethyl Benzene	10.189	91	119195	19.150	ug/l		98
68) m/p-Xylenes	10.299	106	90661	39.486	ug/l		98
69) o-Xylene	10.640	106	44481	19.307	ug/l		99
70) Styrene	10.652	104	74872	20.171	ug/l		100
71) Bromoform	10.799	173	17936	21.169	ug/l	#	98
73) Isopropylbenzene	10.957	105	115836	18.682	ug/l		100
74) N-amyl acetate	10.841	43	56516	20.142	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	43038	20.199	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	43607	25.541	ug/l		85
77) Bromobenzene	11.195	156	26820	19.079	ug/l		97
78) n-propylbenzene	11.305	91	132947	18.576	ug/l		99
79) 2-Chlorotoluene	11.360	91	81582	18.547	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	96972	19.272	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	11113	16.743	ug/l		89
82) 4-Chlorotoluene	11.451	91	91866	18.878	ug/l		100
83) tert-Butylbenzene	11.713	119	96867	19.030	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	96411	19.413	ug/l		99
85) sec-Butylbenzene	11.890	105	121849	19.331	ug/l		99
86) p-Isopropyltoluene	12.006	119	99219	19.574	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	49720	19.233	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	48639	18.609	ug/l		98
89) n-Butylbenzene	12.329	91	85953	19.167	ug/l		99
90) Hexachloroethane	12.536	117	17367	18.298	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	50374	19.827	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8357	21.490	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	27211	17.700	ug/l		96
94) Hexachlorobutadiene	13.725	225	12391	20.303	ug/l		97
95) Naphthalene	13.774	128	110004	19.794	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	30122	19.444	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045033.D
Acq On : 25 Feb 2025 12:57
Operator : JC/MD
Sample : VX0225WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Quant Time: Feb 26 03:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

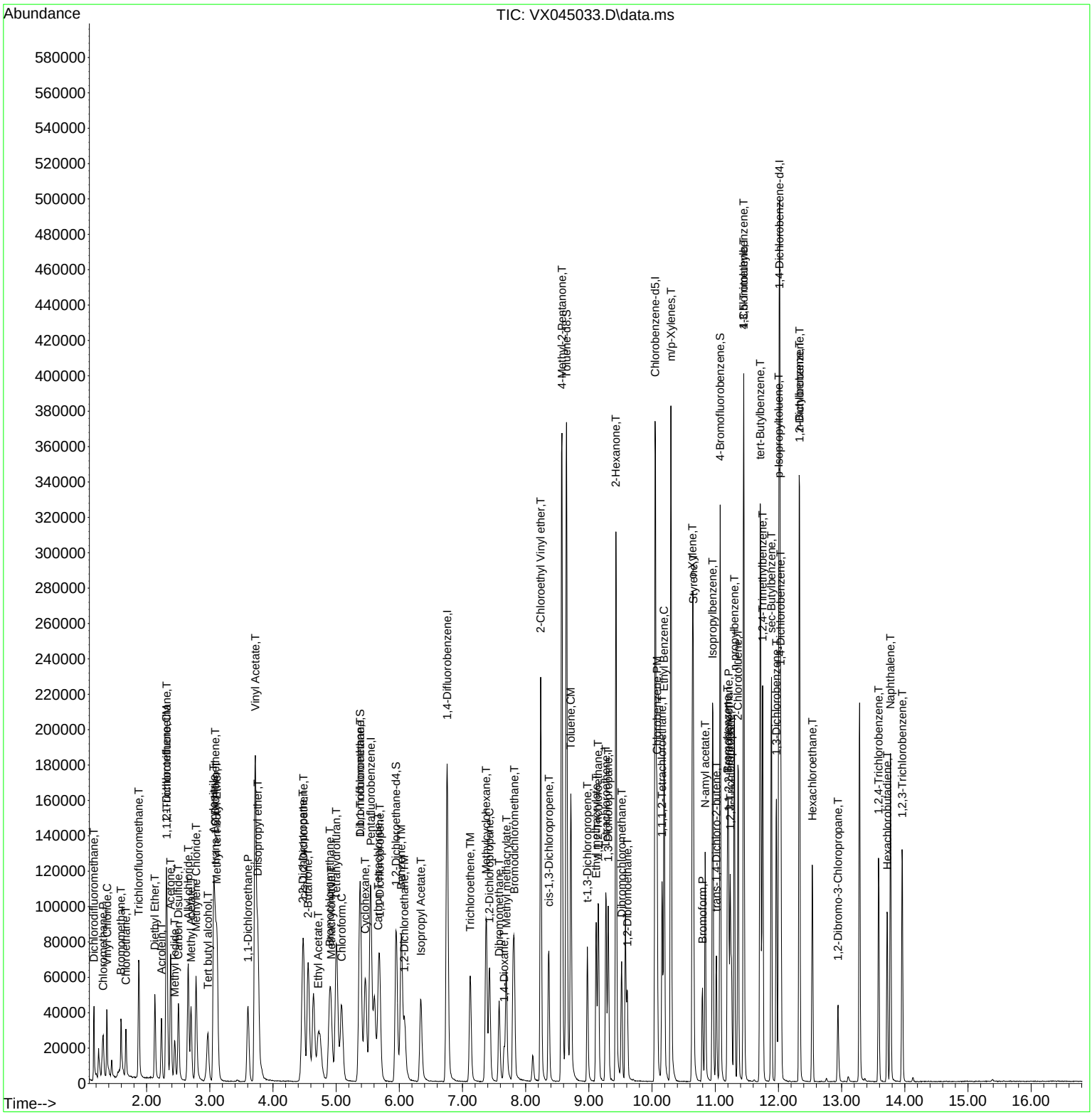
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

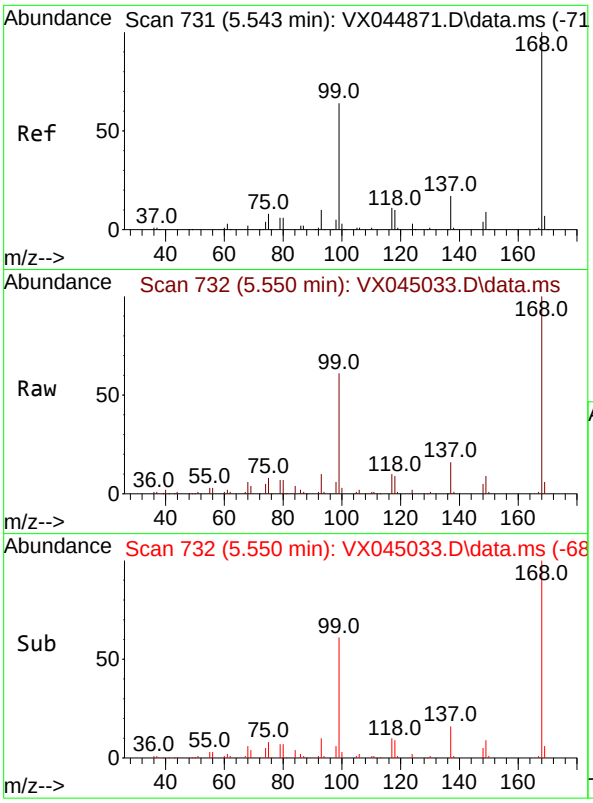
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045033.D
Acq On : 25 Feb 2025 12:57
Operator : JC/MD
Sample : VX0225WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Quant Time: Feb 26 03:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



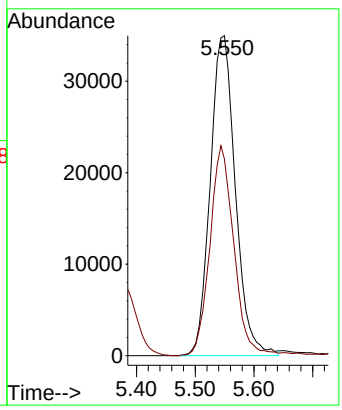


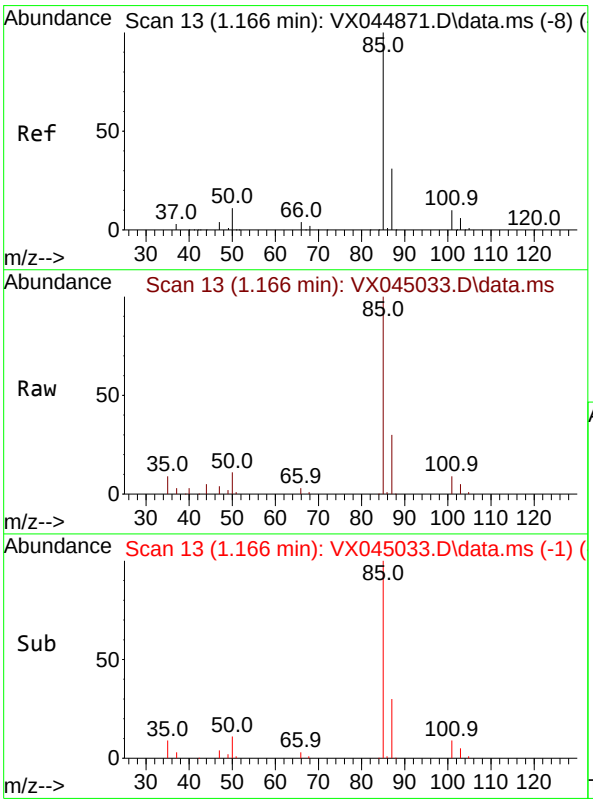
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:168 Resp: 104015

Ion	Ratio	Lower	Upper
168	100		
99	61.5	51.2	76.8

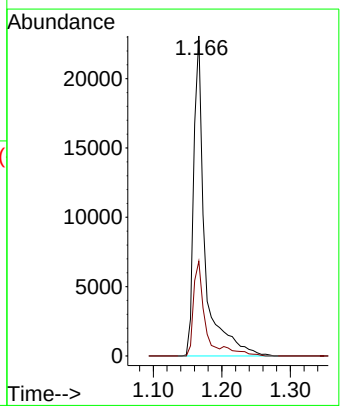


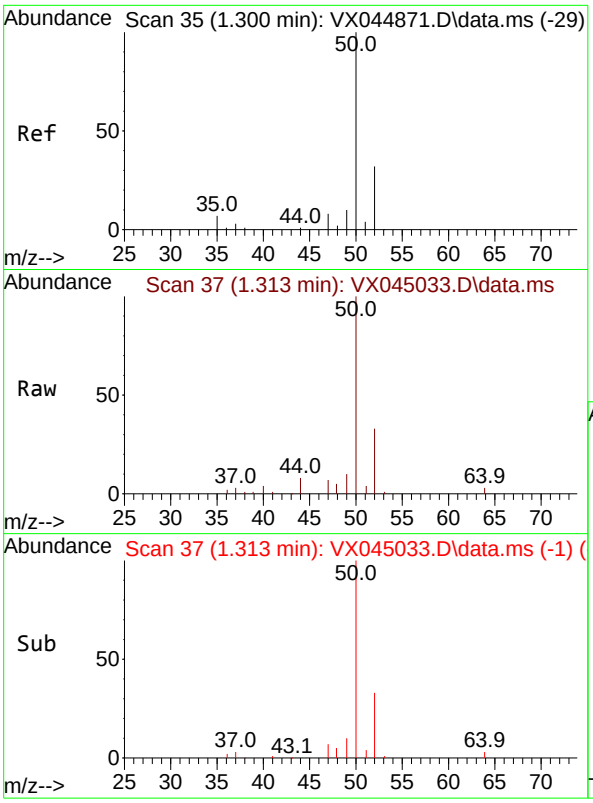


#2
Dichlorodifluoromethane
Concen: 18.116 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 85 Resp: 26428

Ion	Ratio	Lower	Upper
85	100		
87	29.6	15.8	47.3



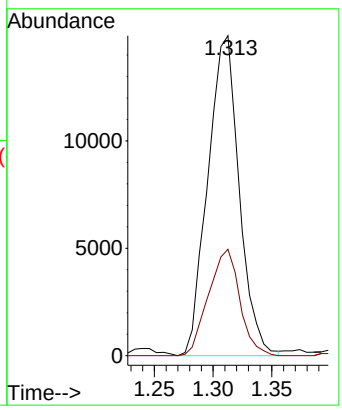


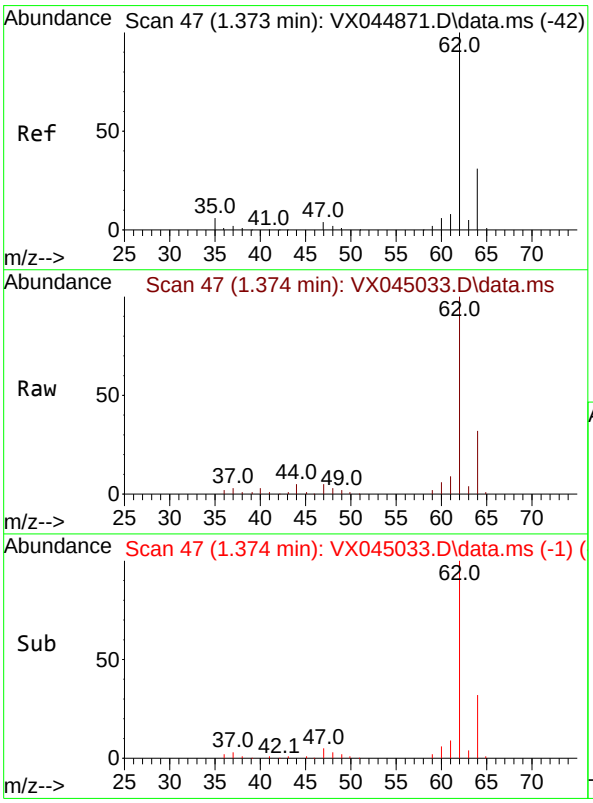
#3
Chloromethane
Concen: 15.616 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 50 Resp: 27728

Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.9	38.9

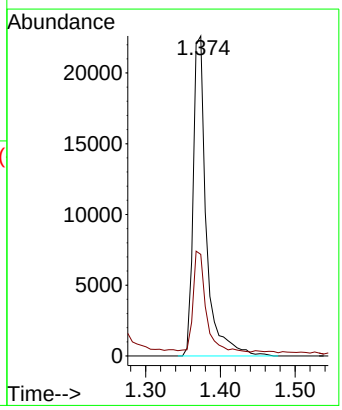


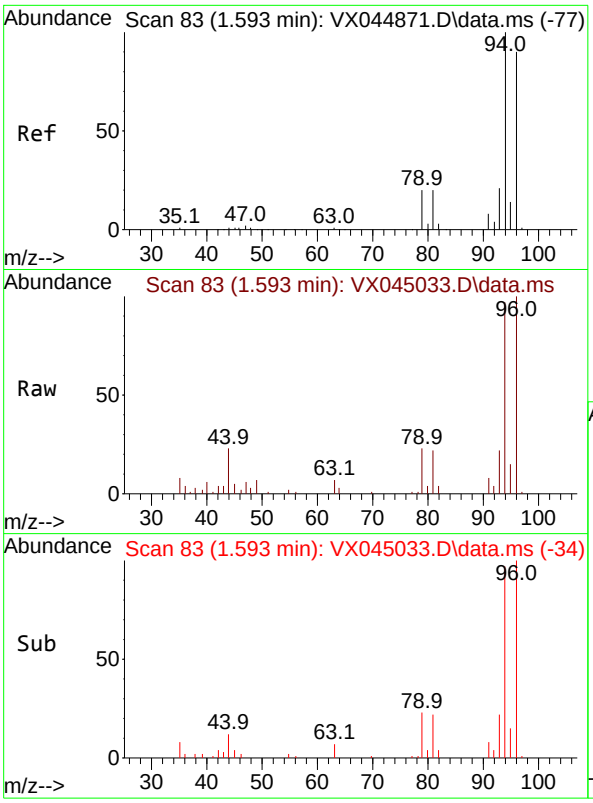


#4
Vinyl Chloride
Concen: 16.057 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 62 Resp: 27620

Ion	Ratio	Lower	Upper
62	100		
64	30.8	25.4	38.0



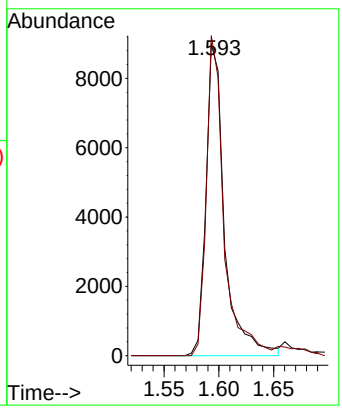


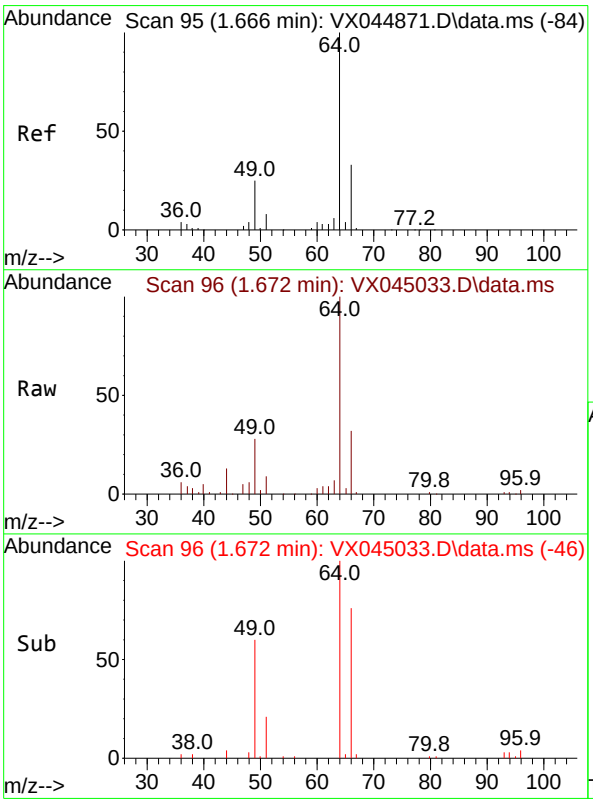
#5
Bromomethane
Concen: 20.498 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 94 Resp: 10551

Ion	Ratio	Lower	Upper
94	100		
96	102.8	71.6	107.4

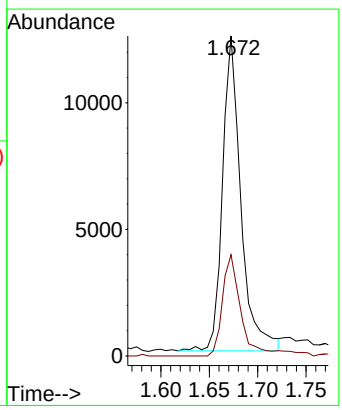


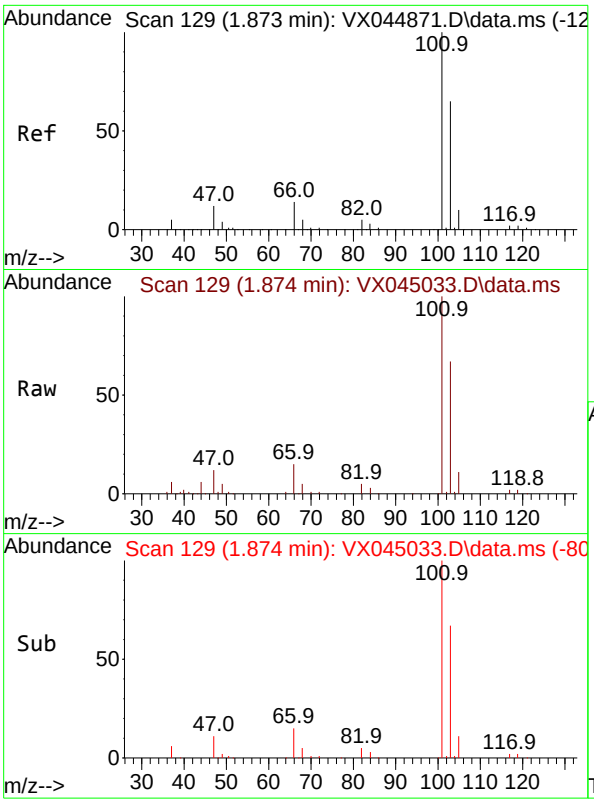


#6
Chloroethane
Concen: 22.738 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 64 Resp: 16473

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.9	38.9



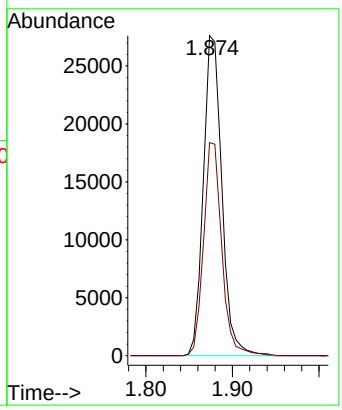


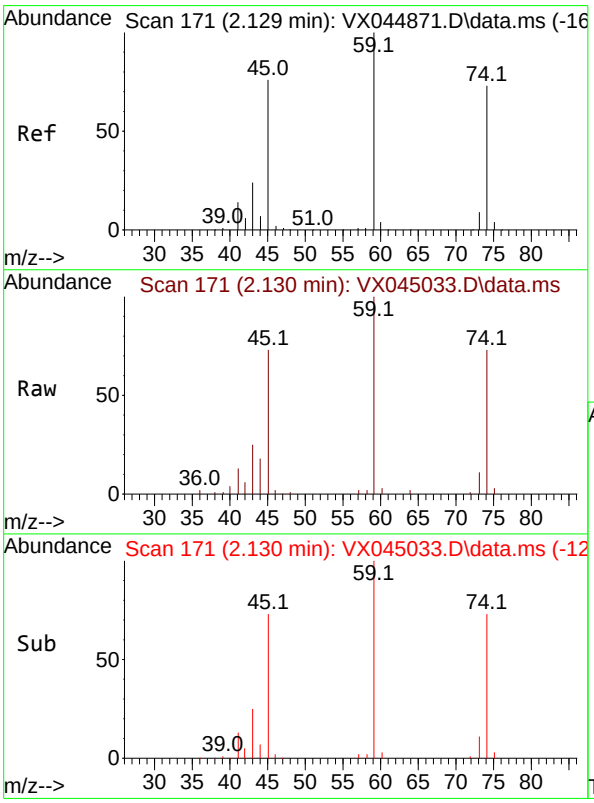
#7
Trichlorofluoromethane
Concen: 18.886 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:101 Resp: 41082

Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.4	78.6

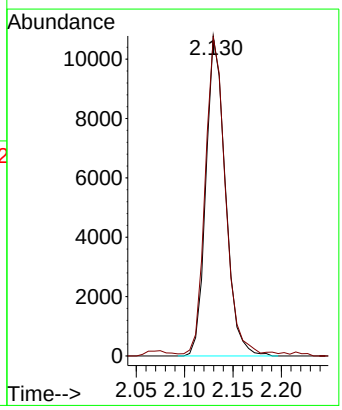


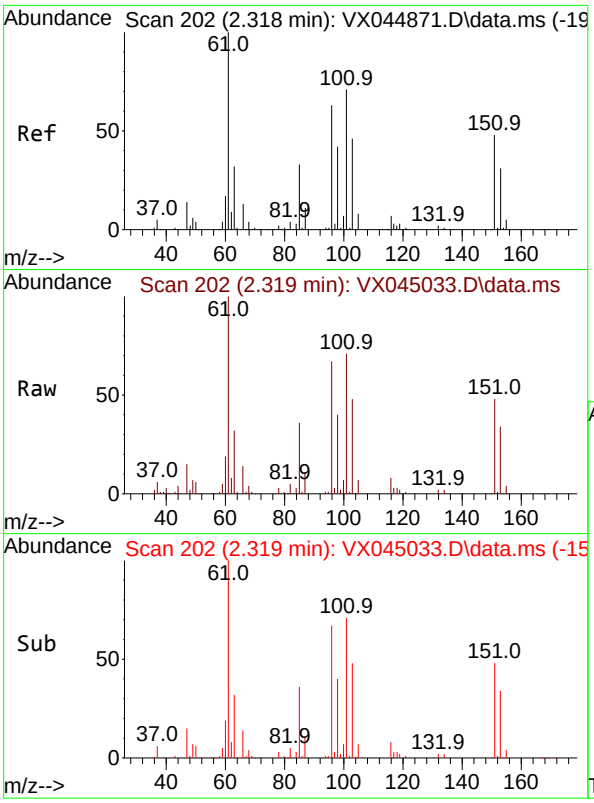


#8
Diethyl Ether
Concen: 19.077 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 74 Resp: 15050

Ion	Ratio	Lower	Upper
74	100		
45	102.3	51.1	153.4



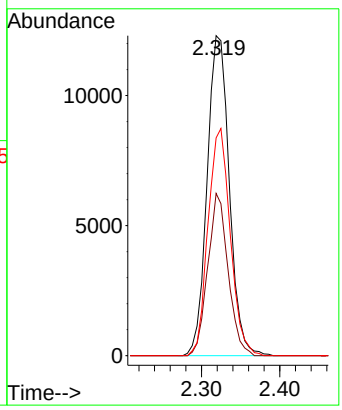


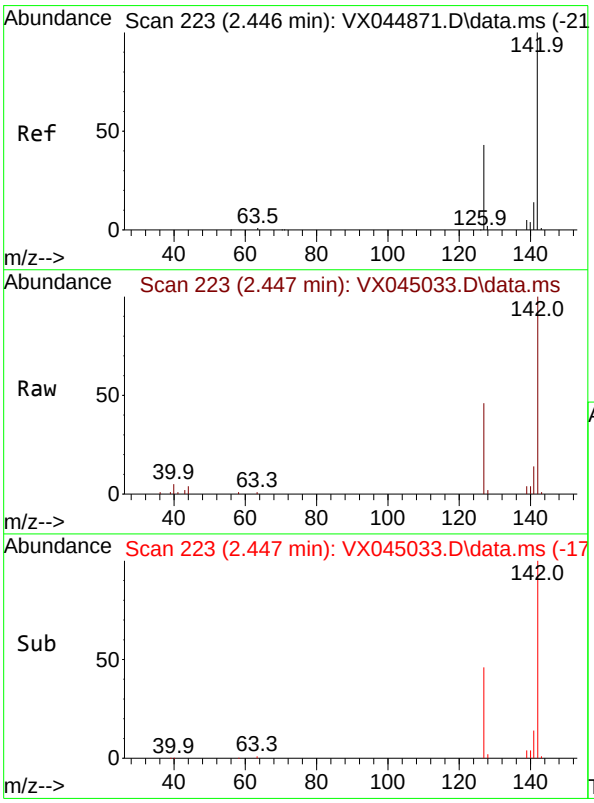
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.431 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:101 Resp: 24224

Ion	Ratio	Lower	Upper
101	100		
85	46.4	35.7	53.5
151	71.0	56.0	84.0

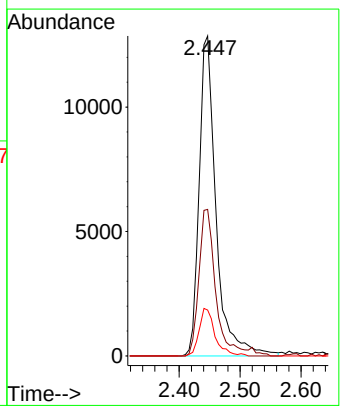


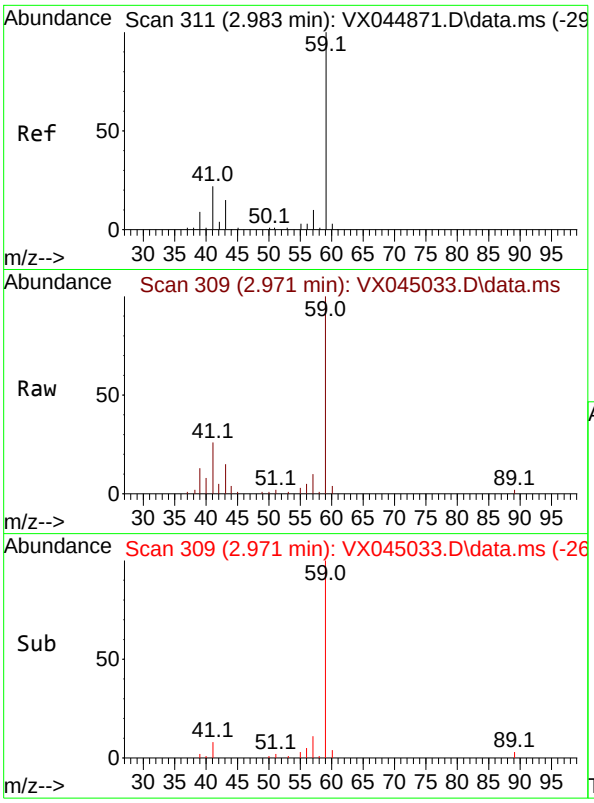


#10
Methyl Iodide
Concen: 14.530 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:142 Resp: 24750

Ion	Ratio	Lower	Upper
142	100		
127	46.5	34.3	51.5
141	14.0	11.4	17.2



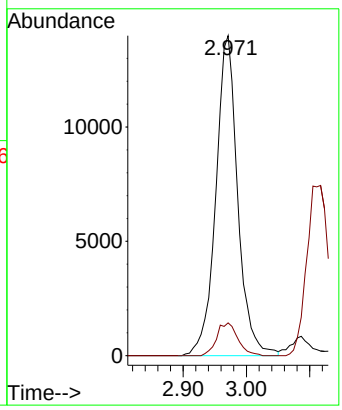


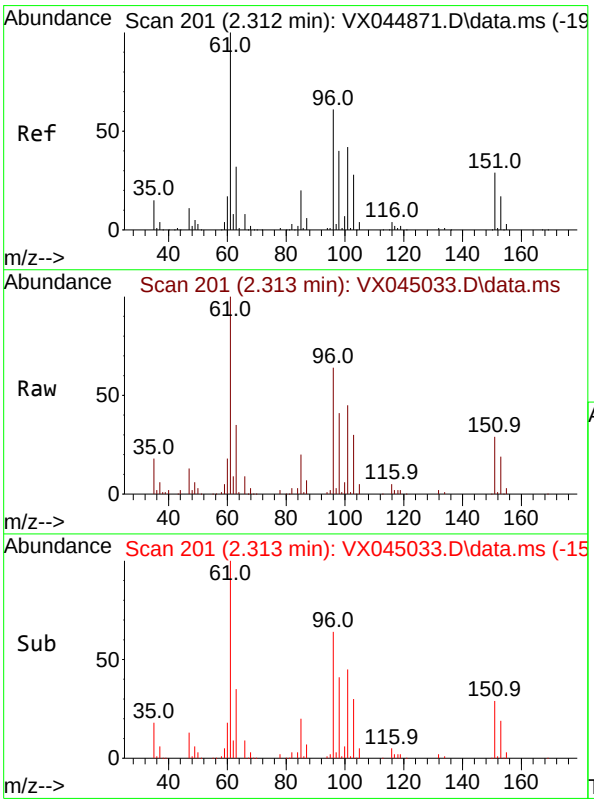
#11
Tert butyl alcohol
Concen: 118.846 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 59 Resp: 33570

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

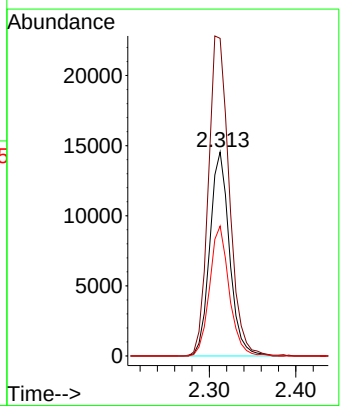


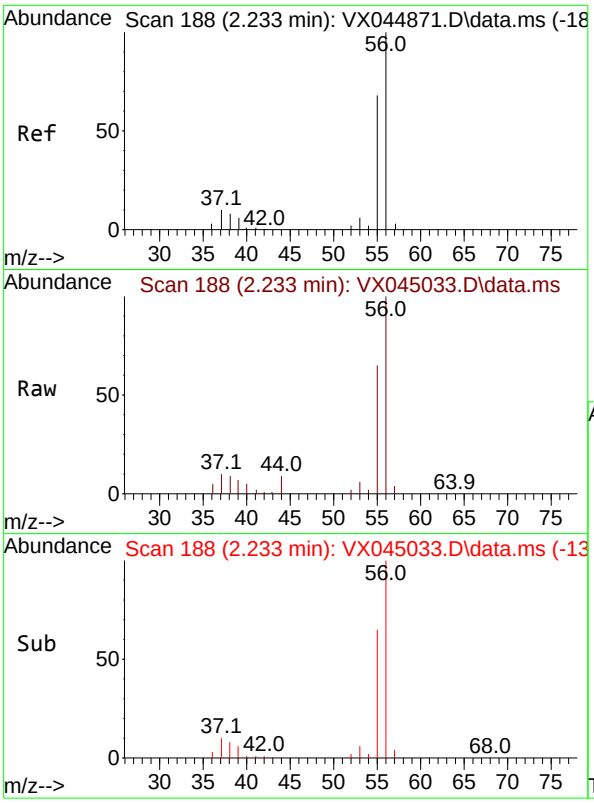


#12
1,1-Dichloroethene
Concen: 17.106 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 96 Resp: 22933

Ion	Ratio	Lower	Upper
96	100		
61	155.7	130.2	195.4
98	63.7	52.2	78.4



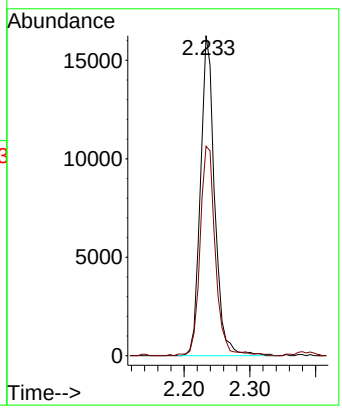


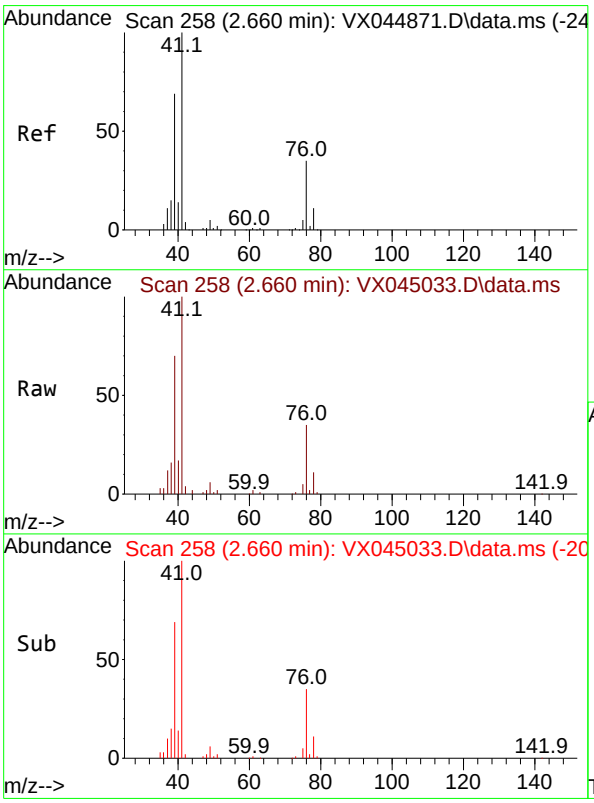
#13
Acrolein
Concen: 83.978 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 56 Resp: 24474

Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.7	83.5

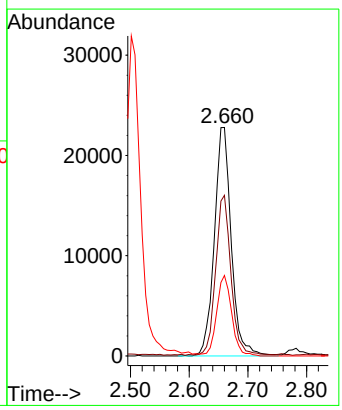


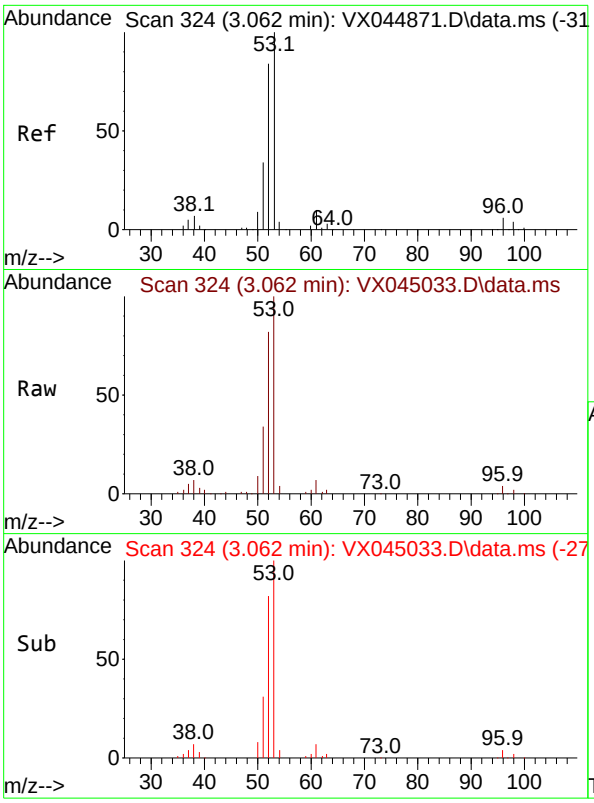


#14
Allyl chloride
Concen: 18.853 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 41 Resp: 45680

Ion	Ratio	Lower	Upper
41	100		
39	63.5	51.4	77.2
76	31.1	27.0	40.4



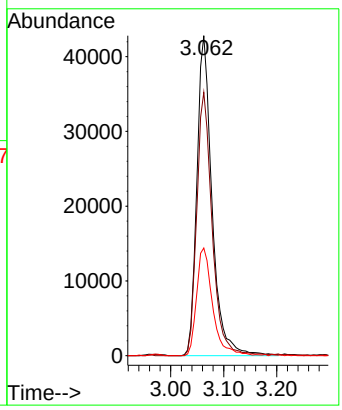


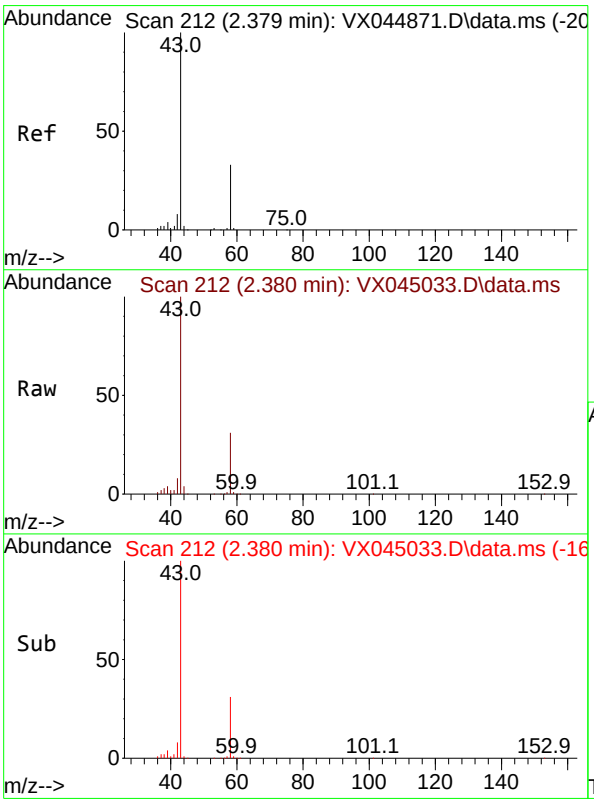
#15
Acrylonitrile
Concen: 113.101 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 53 Resp: 85298

Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.0	97.6
51	35.6	28.0	42.0

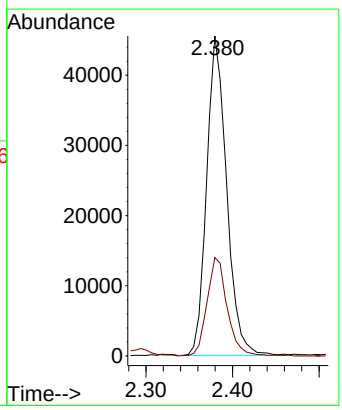


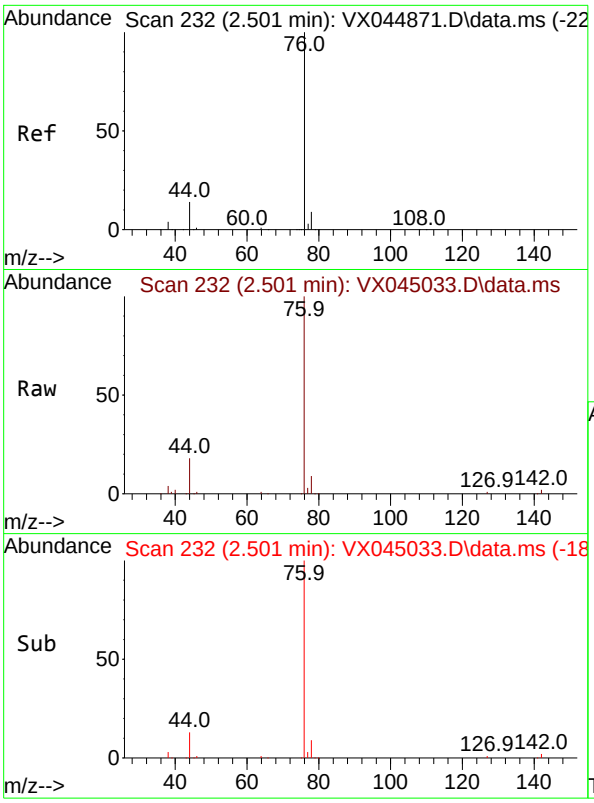


#16
Acetone
Concen: 119.468 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 73126

Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.5	39.7



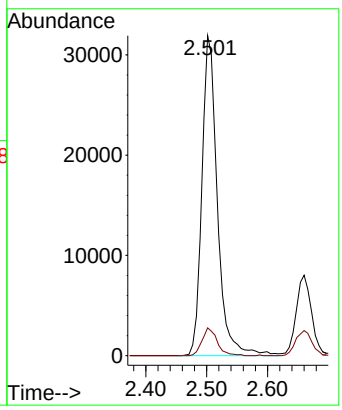


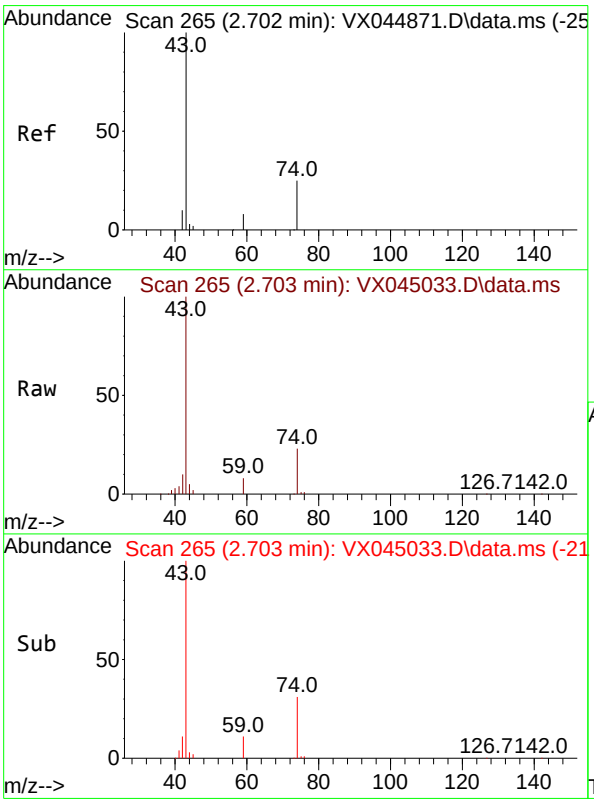
#17
Carbon Disulfide
Concen: 15.331 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 76 Resp: 56362

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

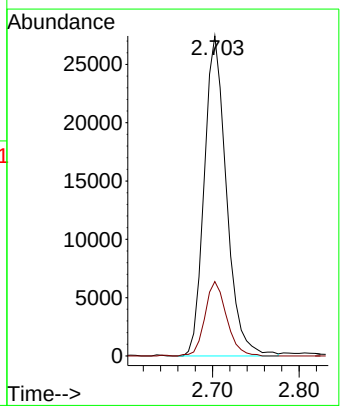


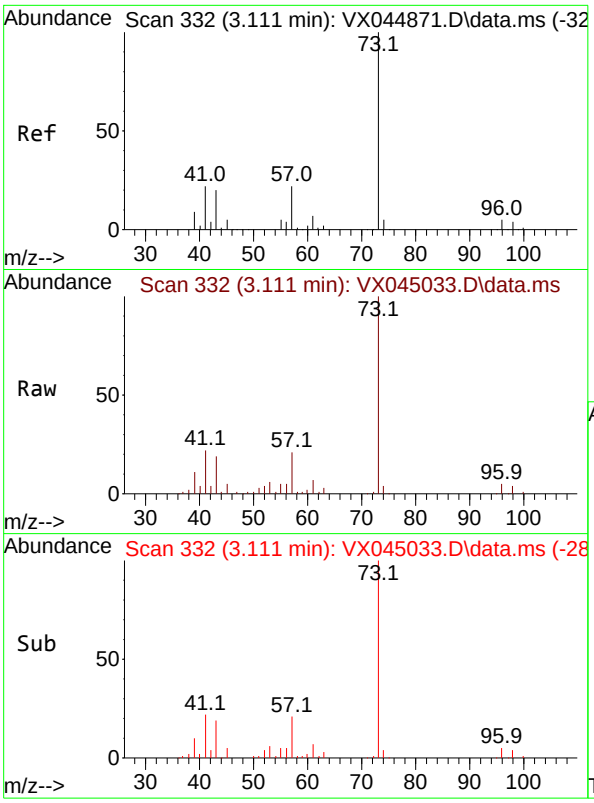


#18
Methyl Acetate
Concen: 25.325 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 48917

Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.9	28.3



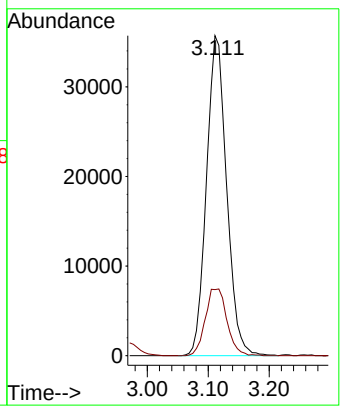


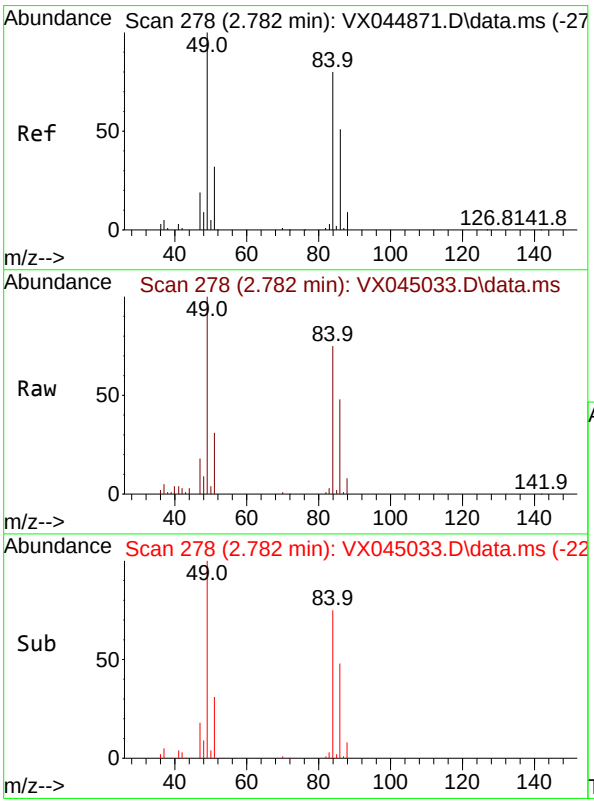
#19
Methyl tert-butyl Ether
Concen: 19.230 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 73 Resp: 82029

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.9	26.9

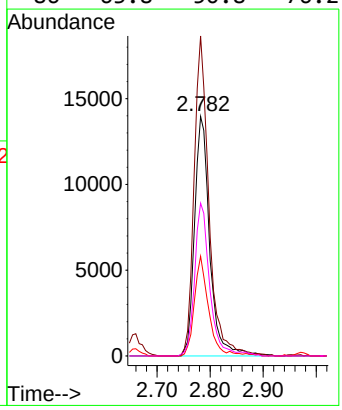


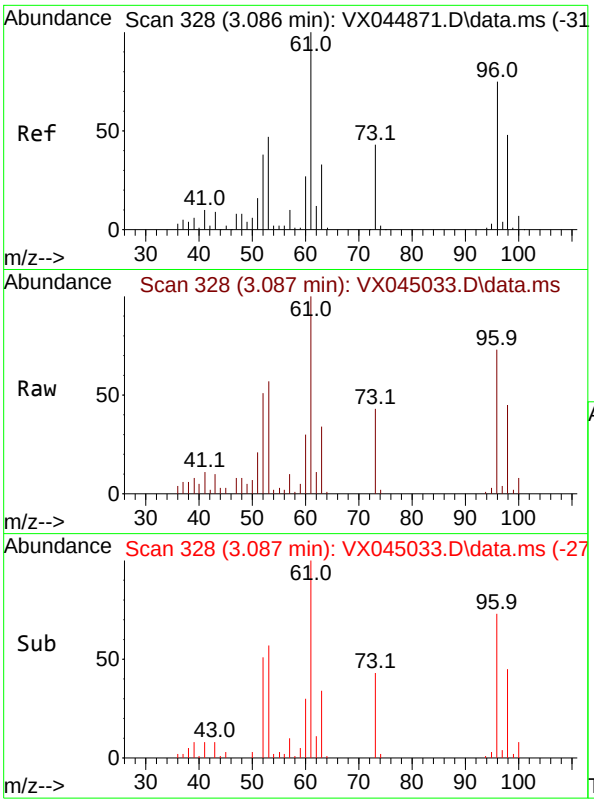


#20
Methylene Chloride
Concen: 18.510 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 84 Resp: 27752

Ion	Ratio	Lower	Upper
84	100		
49	133.6	100.1	150.1
51	41.6	31.7	47.5
86	63.8	50.8	76.2



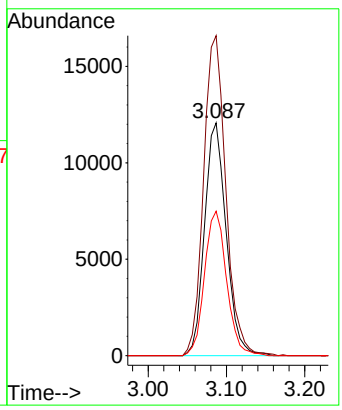


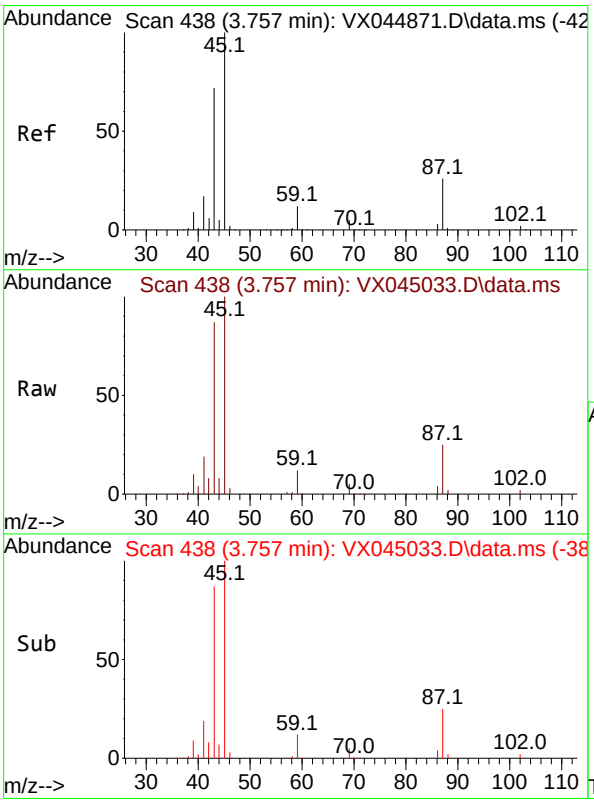
#21
trans-1,2-Dichloroethene
Concen: 17.552 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 96 Resp: 23160

Ion	Ratio	Lower	Upper
96	100		
61	137.5	106.0	159.0
98	62.1	50.6	76.0

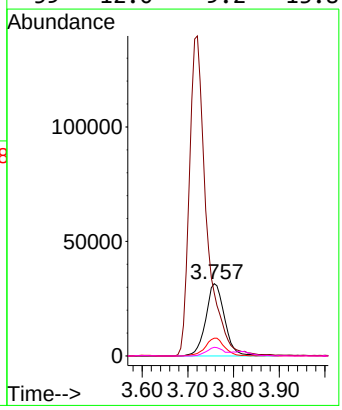


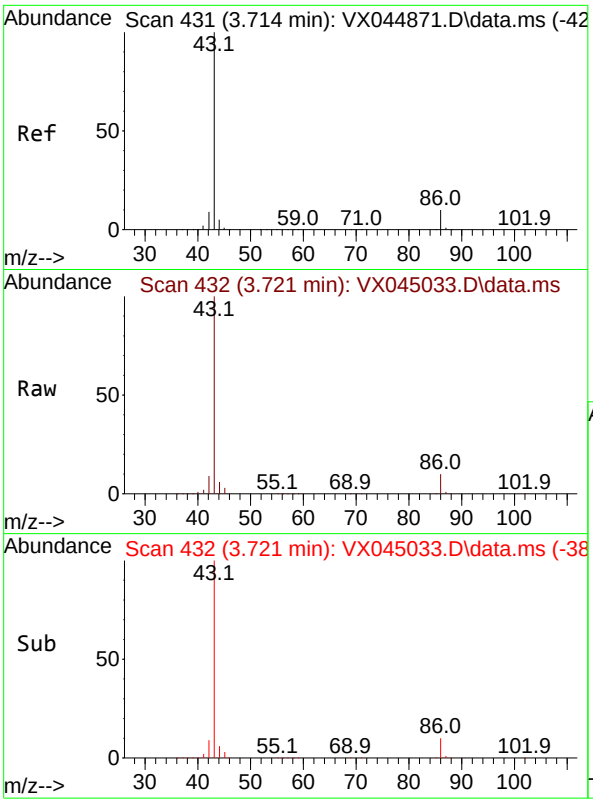


#22
Diisopropyl ether
Concen: 19.790 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 45 Resp: 90716

Ion	Ratio	Lower	Upper
45	100		
43	86.1	58.0	87.0
87	24.5	20.7	31.1
59	12.0	9.2	13.8



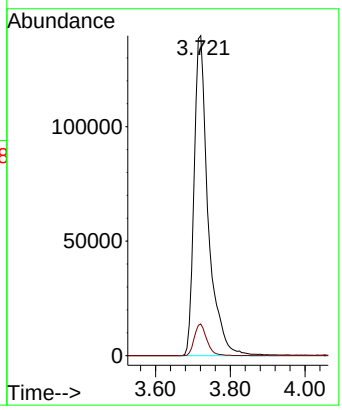


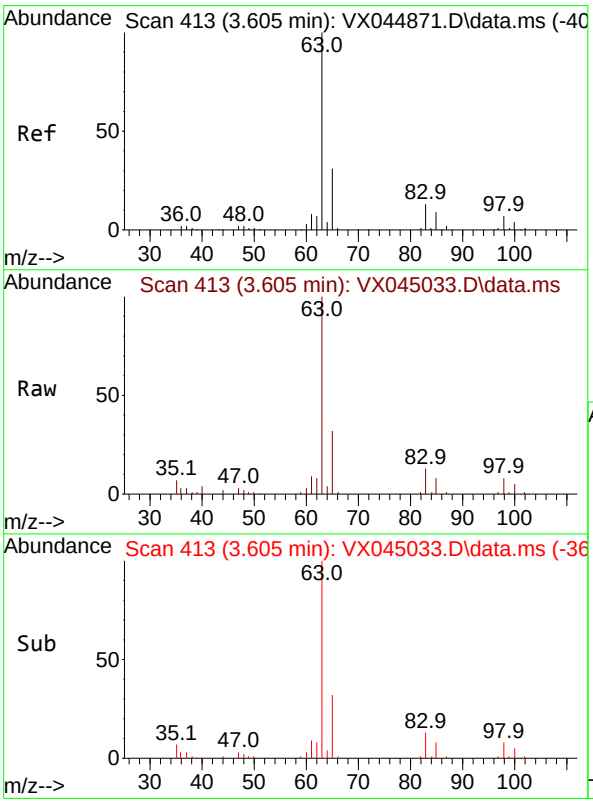
#23
Vinyl Acetate
Concen: 97.941 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 43 Resp: 366009

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.3	12.5

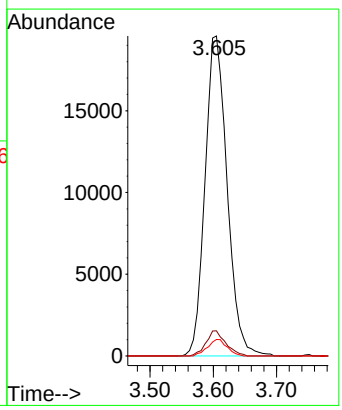


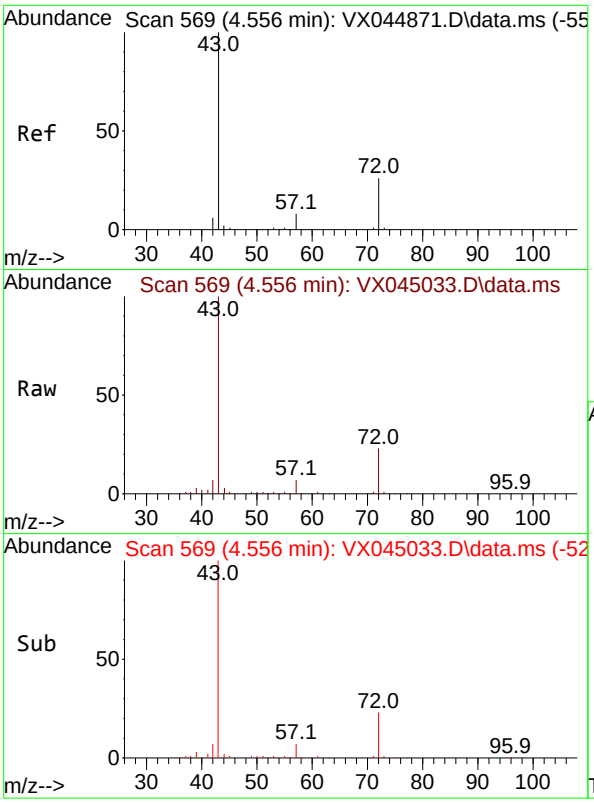


#24
1,1-Dichloroethane
Concen: 18.550 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 63 Resp: 47577

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.3	9.9
100	5.2	2.1	6.5



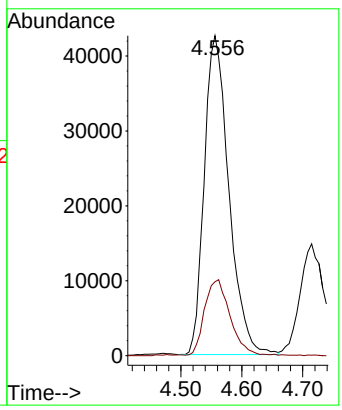


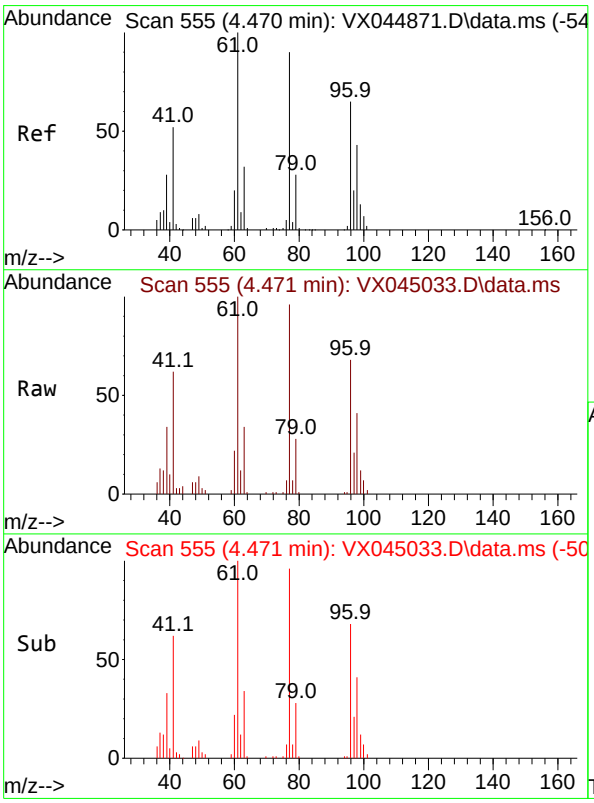
#25
2-Butanone
Concen: 120.352 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 43 Resp: 119622

Ion	Ratio	Lower	Upper
43	100		
72	23.0	21.2	31.8

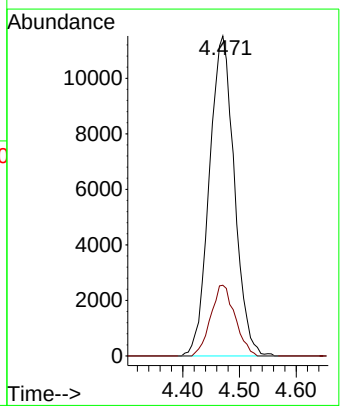


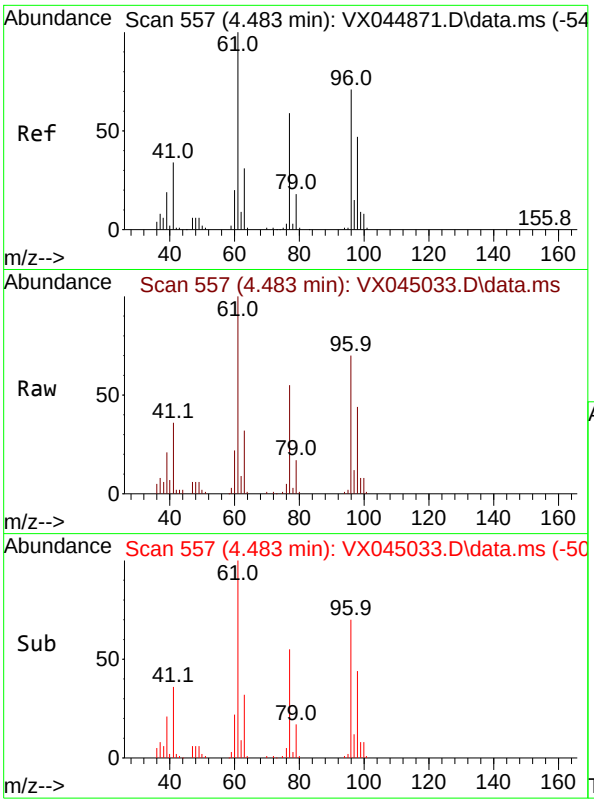


#26
2,2-Dichloropropane
Concen: 17.358 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 77 Resp: 35307

Ion	Ratio	Lower	Upper
77	100		
97	21.5	11.8	35.3



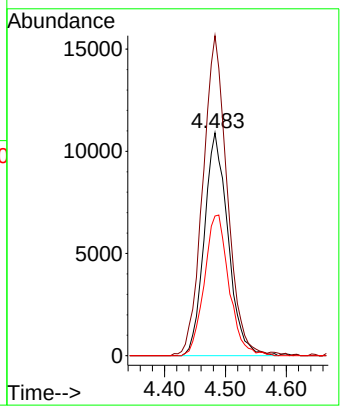


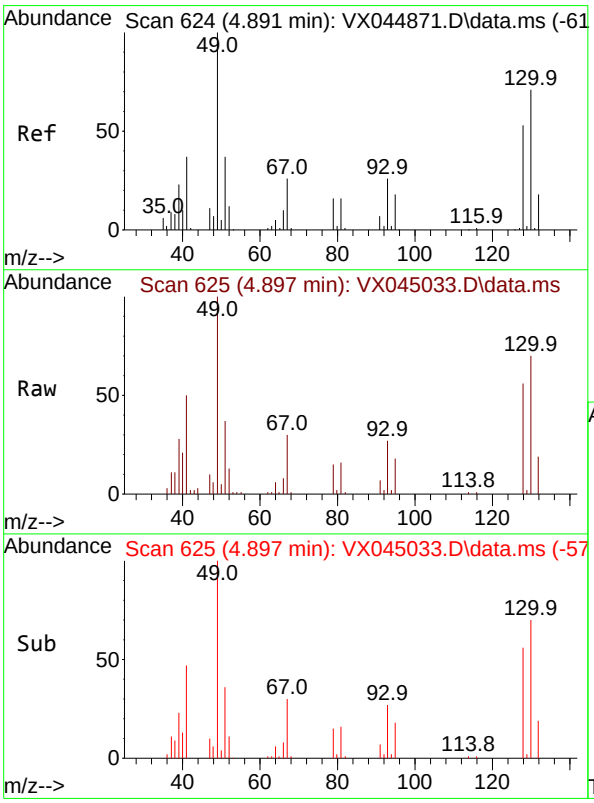
#27
cis-1,2-Dichloroethene
Concen: 18.628 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 96 Resp: 29525

Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	294.0
98	65.6	0.0	131.2

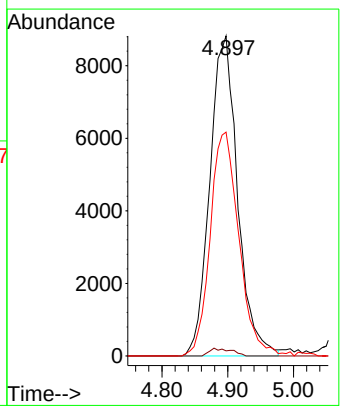


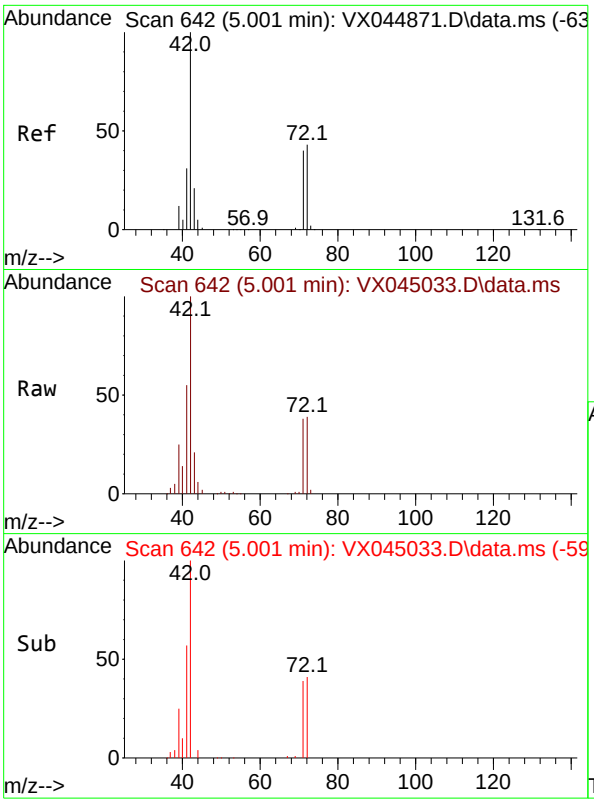


#28
Bromochloromethane
Concen: 21.051 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 49 Resp: 25948

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	72.4	56.7	85.1



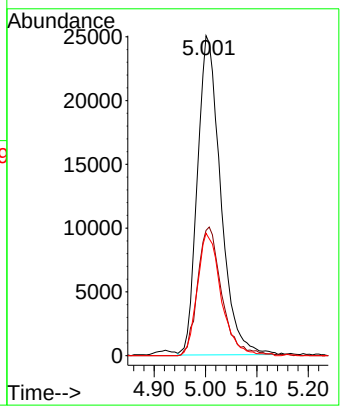


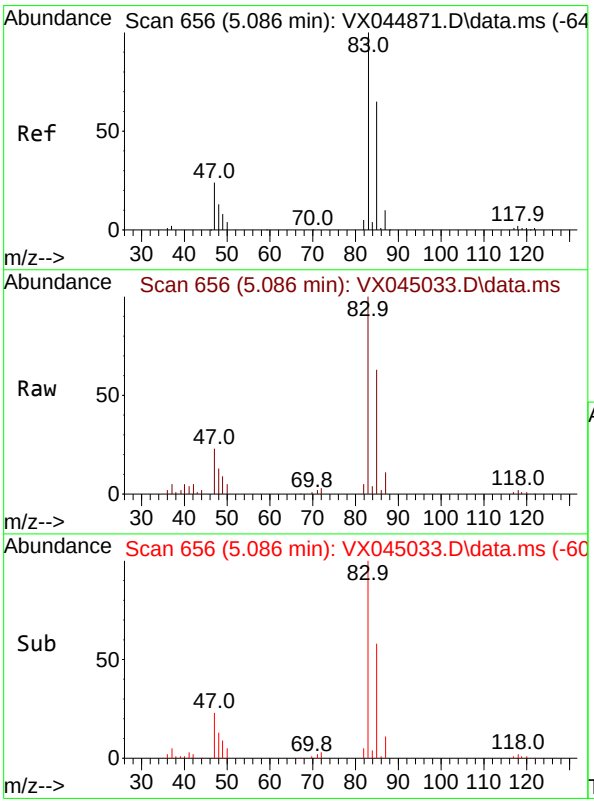
#29
Tetrahydrofuran
Concen: 119.207 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 42 Resp: 78676

Ion	Ratio	Lower	Upper
42	100		
72	42.1	35.0	52.4
71	39.3	32.6	48.8

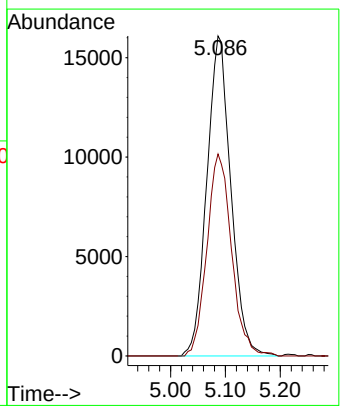


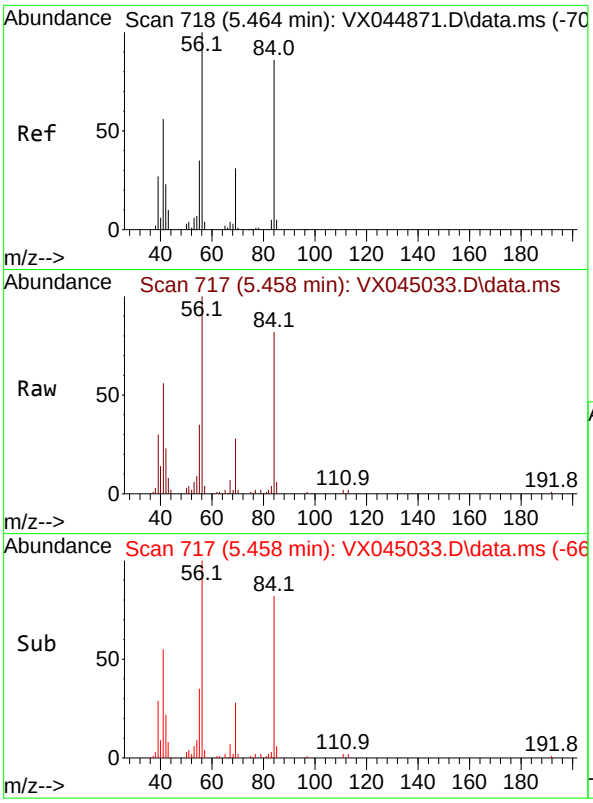


#30
Chloroform
Concen: 19.701 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 83 Resp: 49005

Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.1	78.1



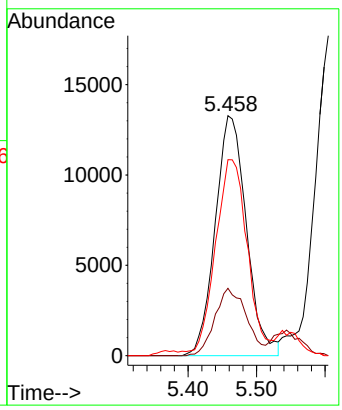


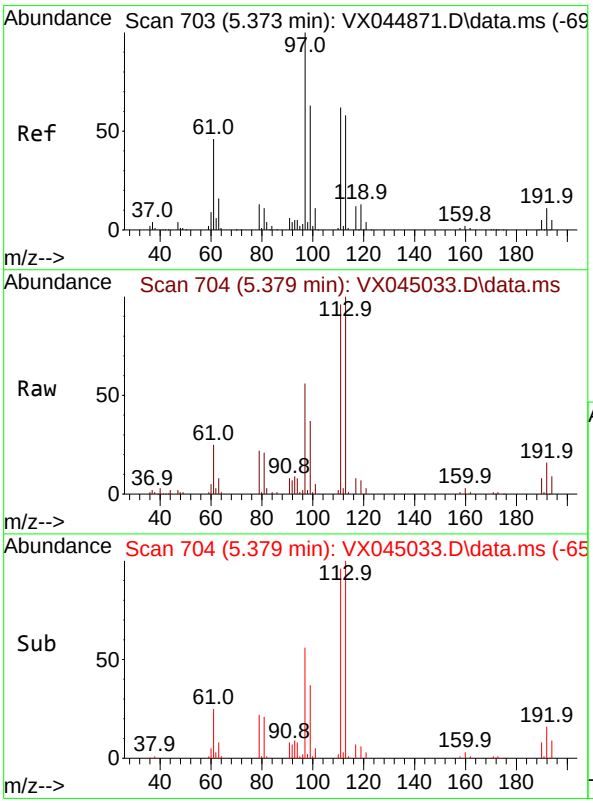
#31
Cyclohexane
Concen: 17.756 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 56 Resp: 41985

Ion	Ratio	Lower	Upper
56	100		
69	28.1	24.4	36.6
84	80.2	69.0	103.6

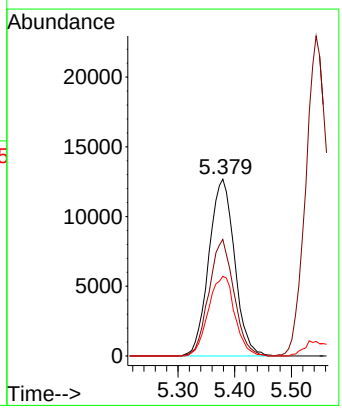


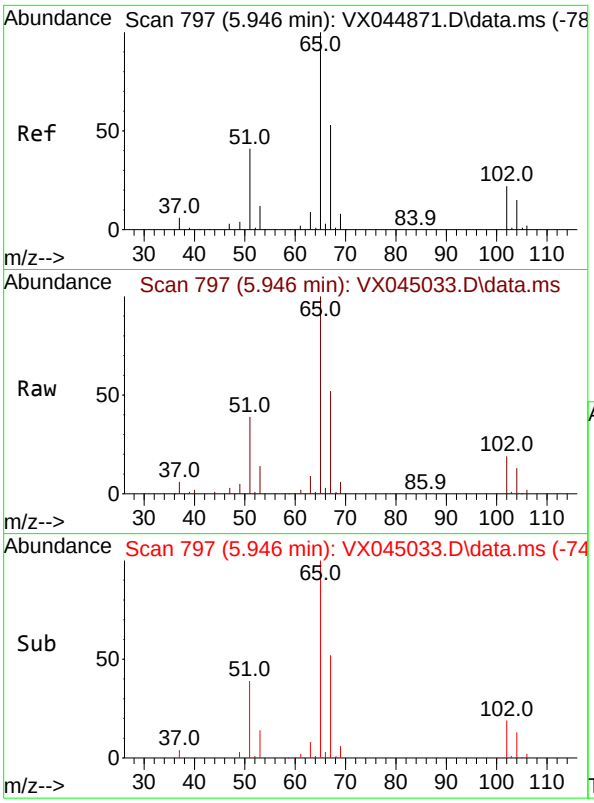


#32
1,1,1-Trichloroethane
Concen: 18.921 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 97 Resp: 39919

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	46.2	36.6	55.0



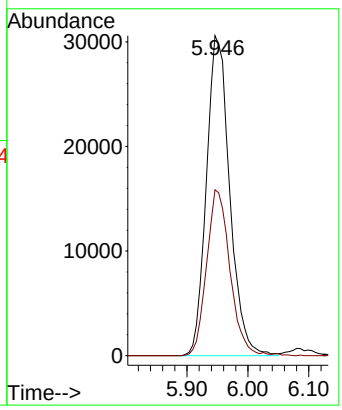


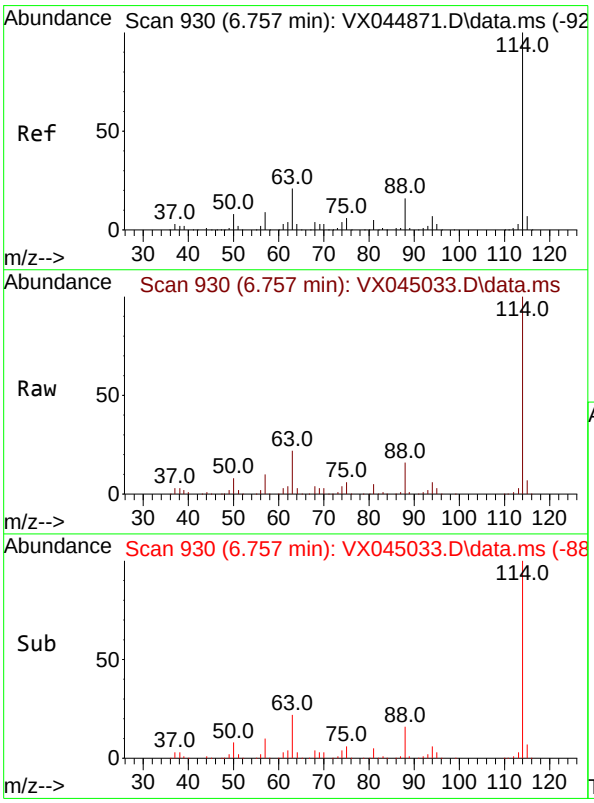
#33
1,2-Dichloroethane-d4
Concen: 53.383 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 65 Resp: 81281

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	108.2

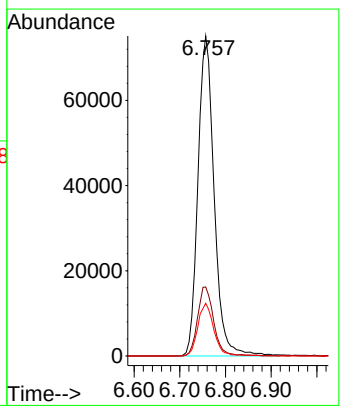


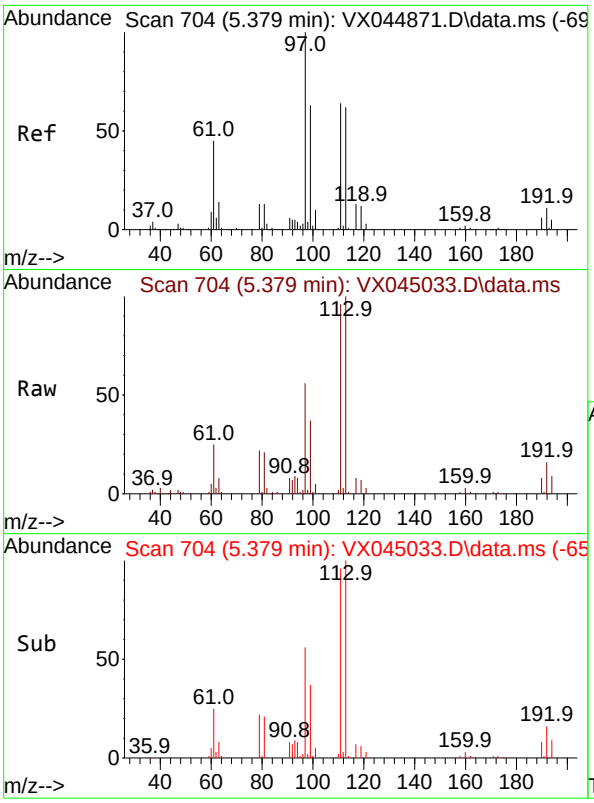


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:114 Resp: 184616

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.4
88	16.4	0.0	31.4



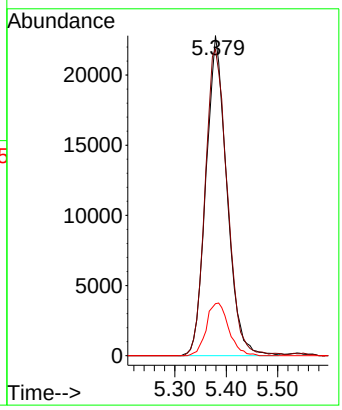


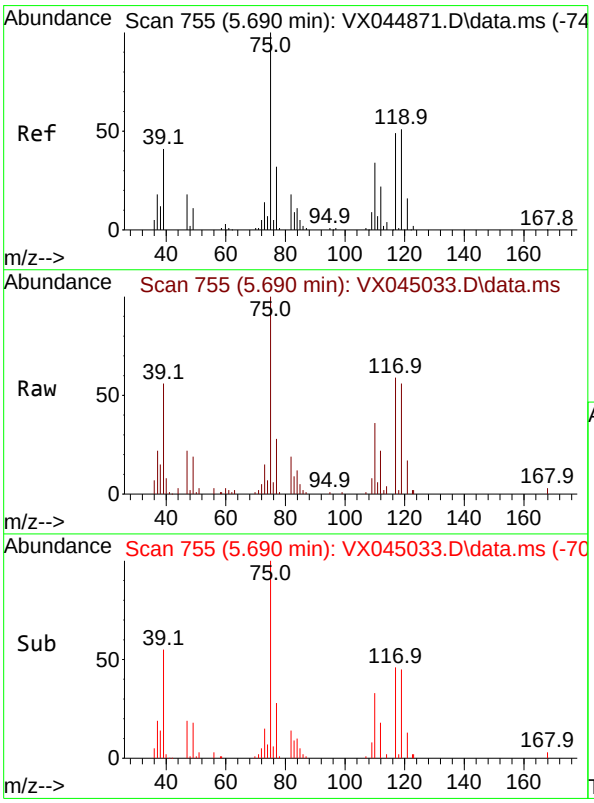
#35
Dibromofluoromethane
Concen: 53.701 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:113 Resp: 64458

Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.5	125.3
192	17.6	14.4	21.6

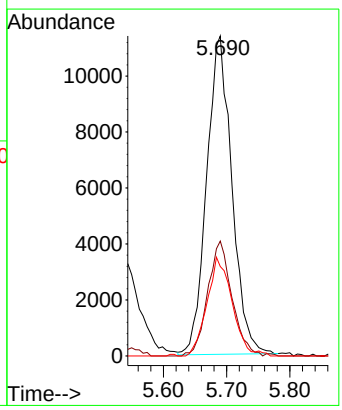


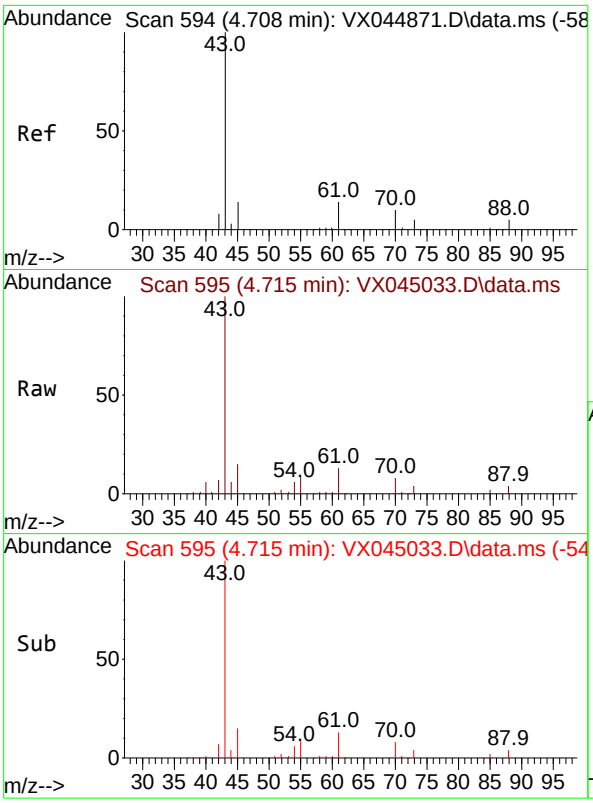


#36
1,1-Dichloropropene
Concen: 18.184 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 75 Resp: 31489

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.2	51.6
77	31.0	24.6	37.0



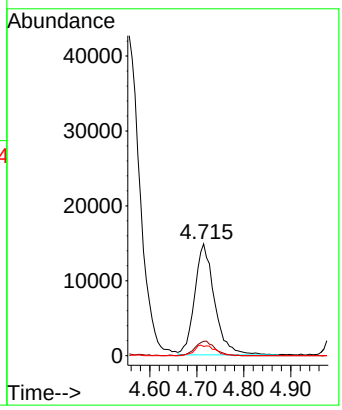


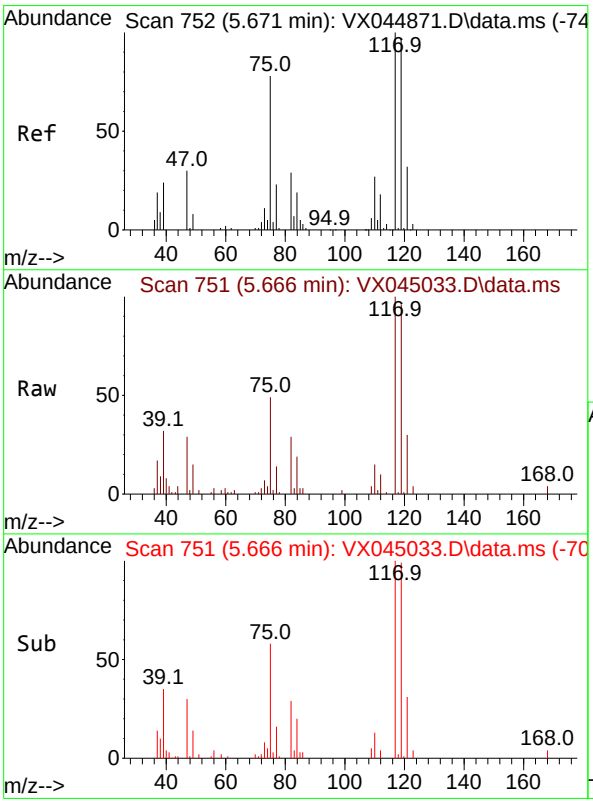
#37
Ethyl Acetate
Concen: 22.562 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 43 Resp: 43459

Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.4
70	9.7	8.2	12.2

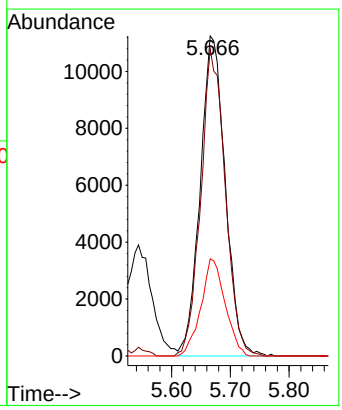


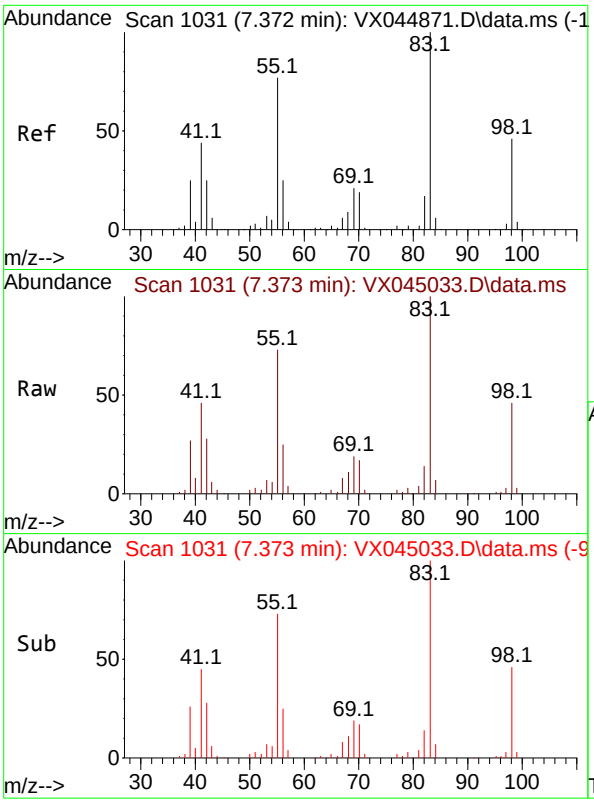


#38
Carbon Tetrachloride
Concen: 19.625 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:117 Resp: 33303

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.5	116.3
121	30.3	25.6	38.4



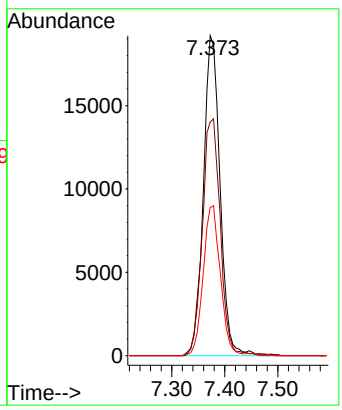


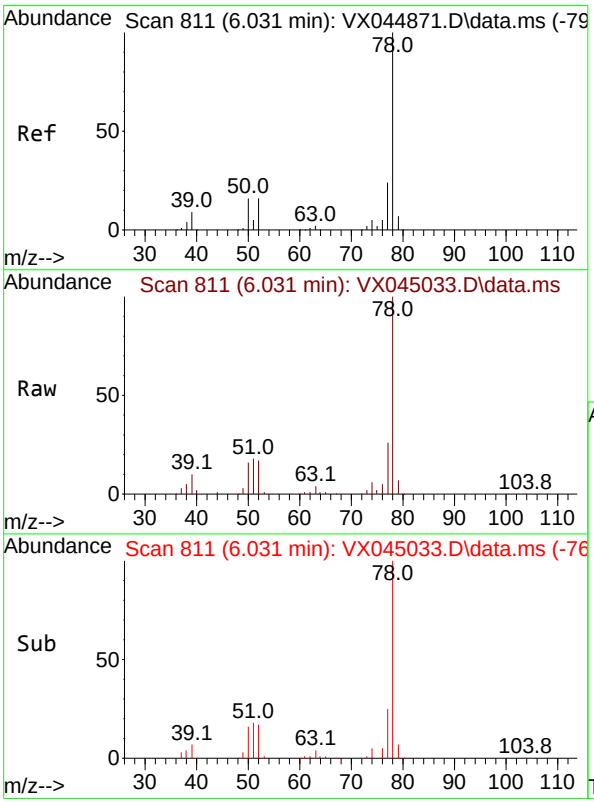
#39
Methylcyclohexane
Concen: 18.750 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 83 Resp: 41979

Ion	Ratio	Lower	Upper
83	100		
55	73.0	61.3	91.9
98	46.3	37.0	55.6

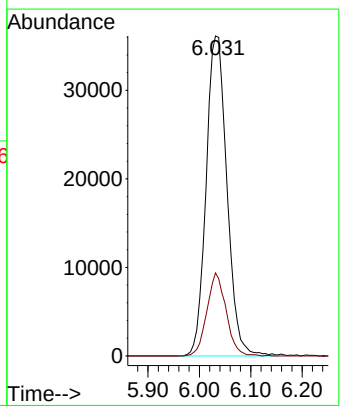


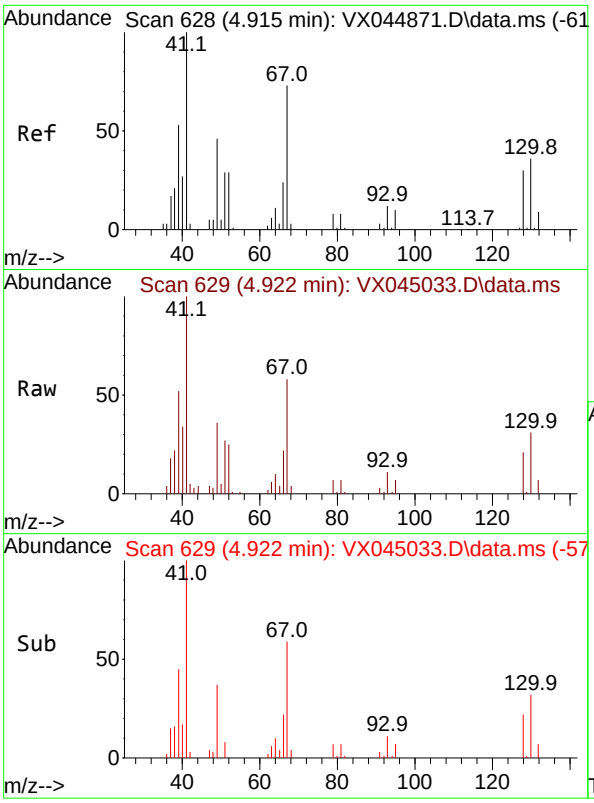


#40
Benzene
Concen: 18.805 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 78 Resp: 101685

Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.0	28.6



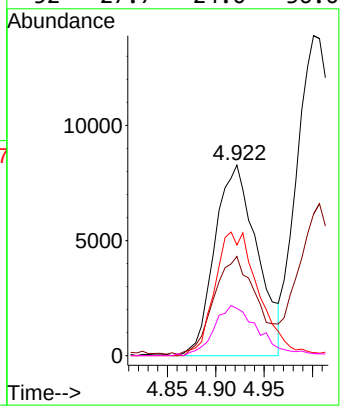


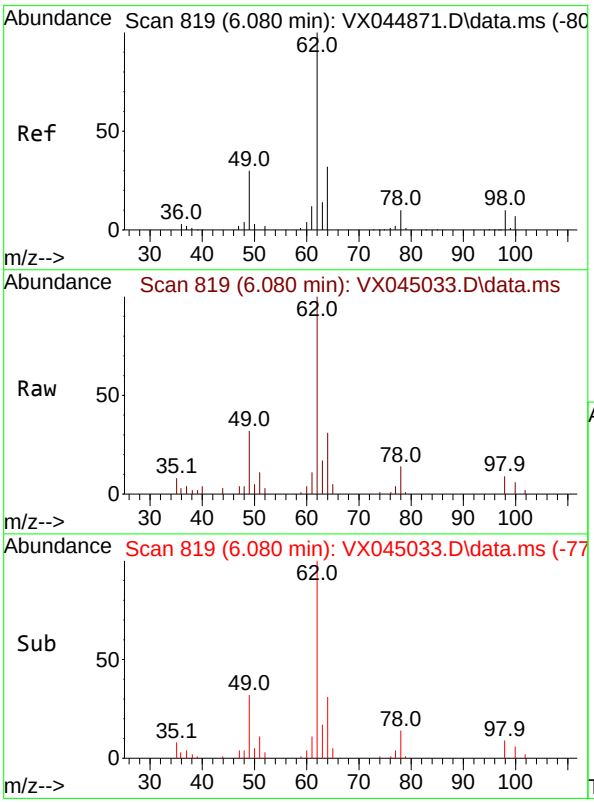
#41
Methacrylonitrile
Concen: 24.513 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 41 Resp: 25273

Ion	Ratio	Lower	Upper
41	100		
39	52.5	43.1	64.7
67	67.6	57.0	85.6
52	27.7	24.0	36.0

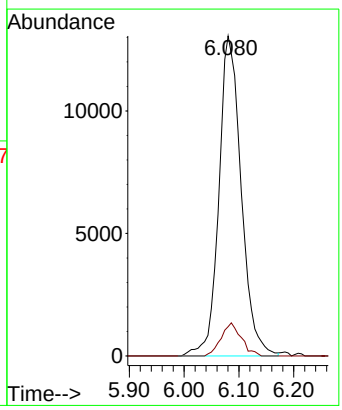


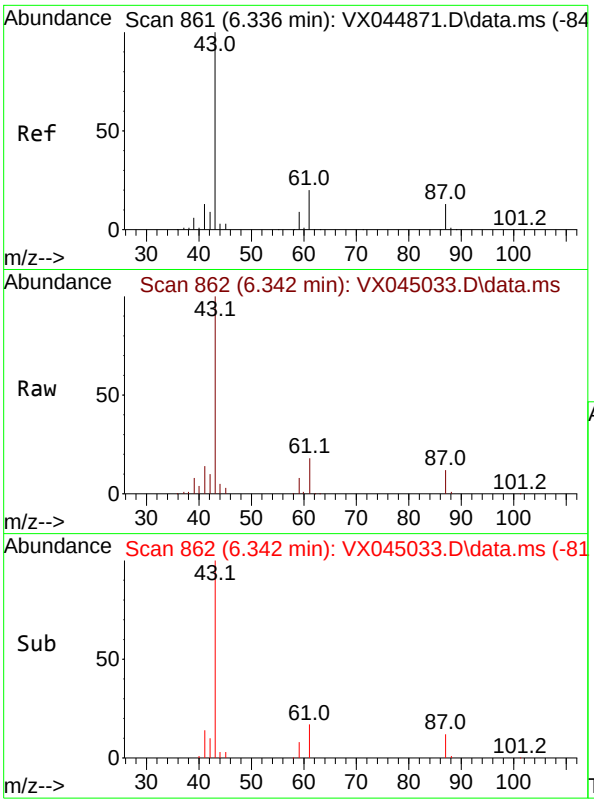


#42
1,2-Dichloroethane
Concen: 21.453 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 62 Resp: 36973

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4



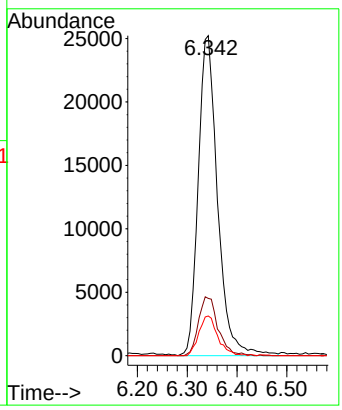


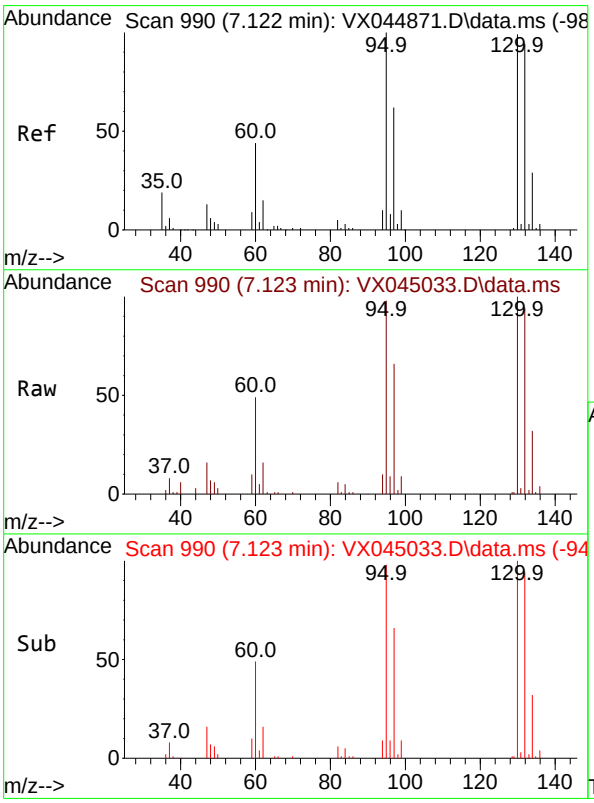
#43
Isopropyl Acetate
Concen: 21.820 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 43 Resp: 67869

Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.8	23.8
87	12.1	10.0	15.0

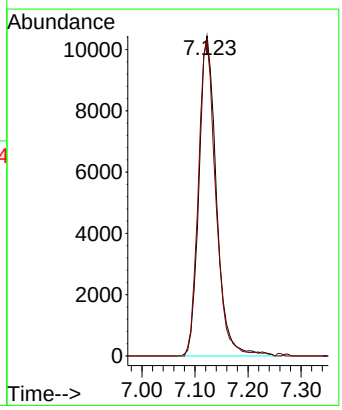


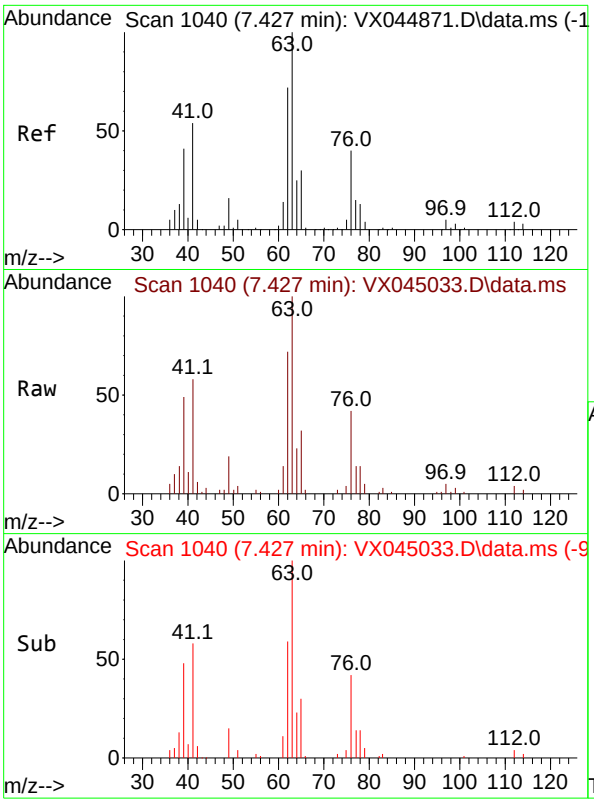


#44
Trichloroethene
Concen: 19.366 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:130 Resp: 23937

Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	202.4



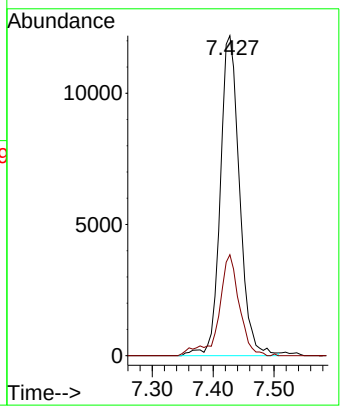


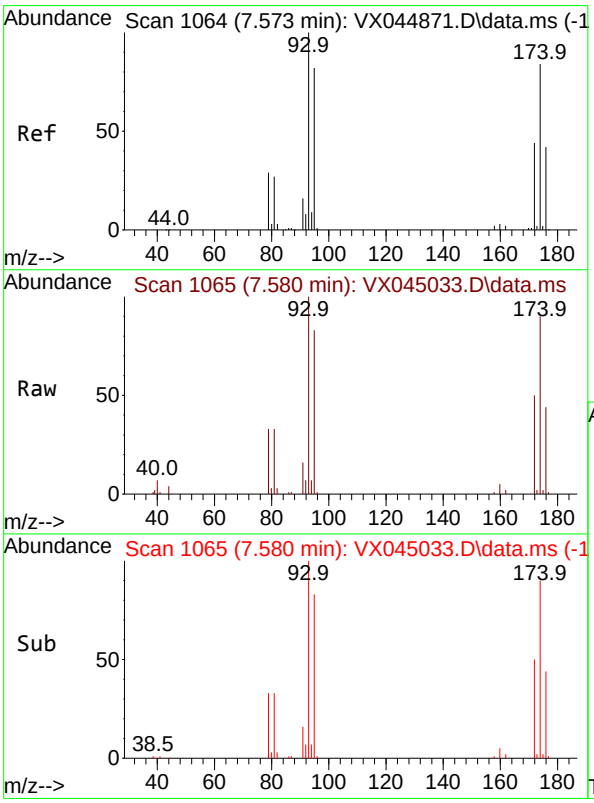
#45
1,2-Dichloropropane
Concen: 19.873 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 63 Resp: 26735

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.2	36.4

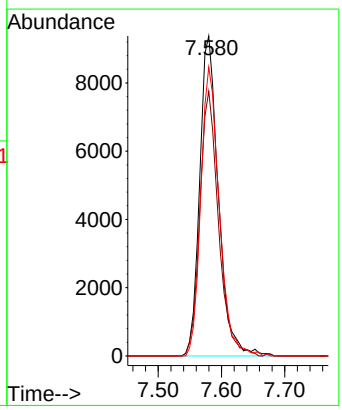


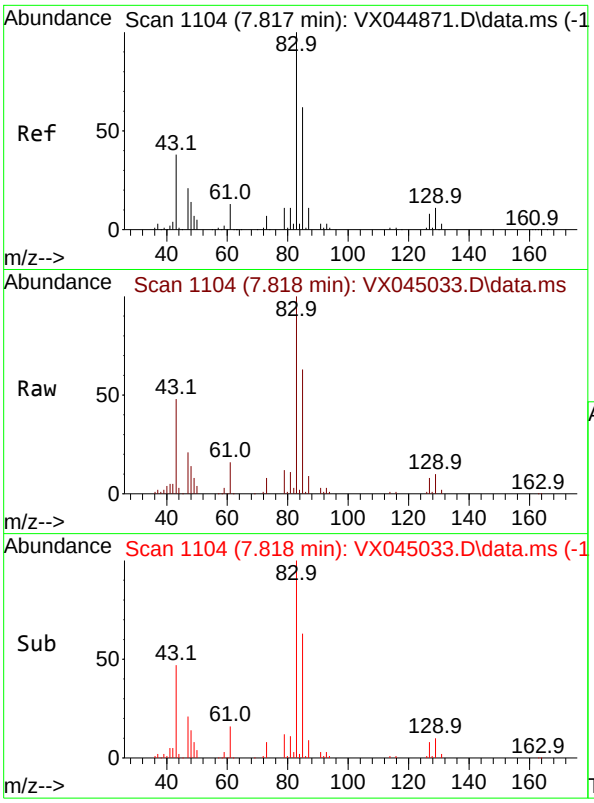


#46
Dibromomethane
Concen: 20.656 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 93 Resp: 19271

Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.2	99.4
174	89.3	69.9	104.9



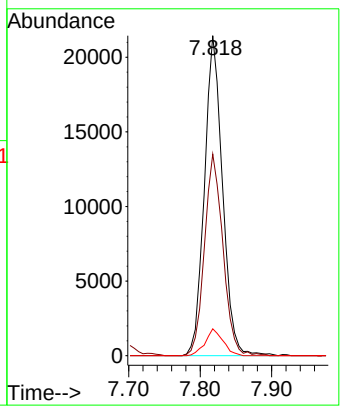


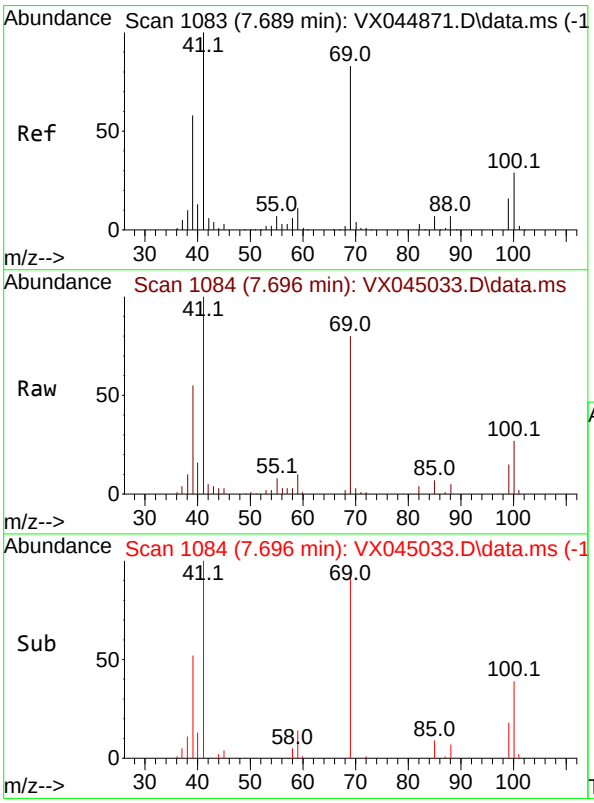
#47
Bromodichloromethane
Concen: 20.908 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 83 Resp: 37771

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.0	75.0
127	8.4	6.4	9.6

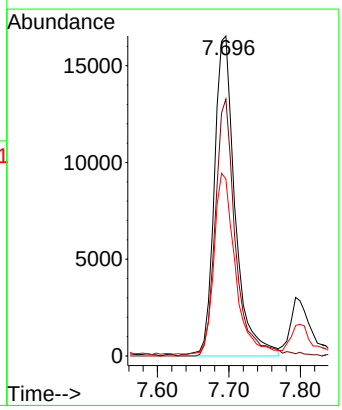


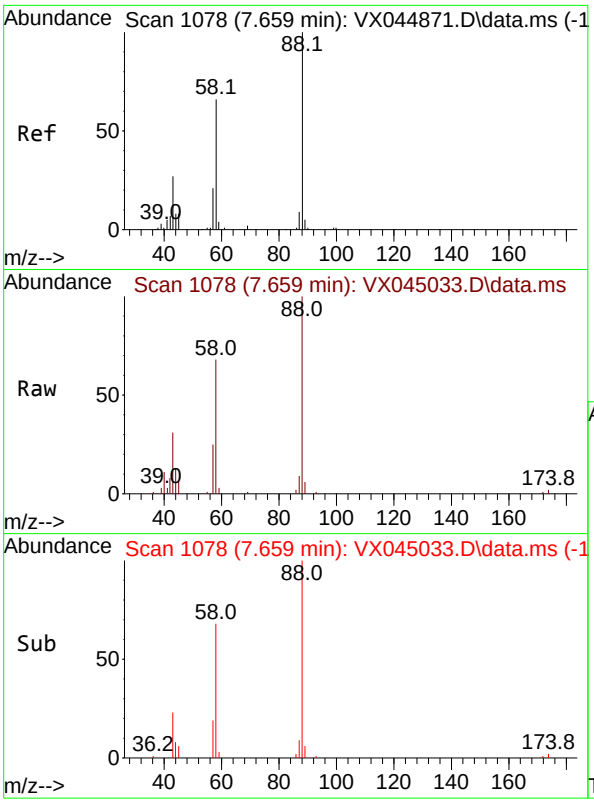


#48
Methyl methacrylate
Concen: 22.760 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 41 Resp: 33381

Ion	Ratio	Lower	Upper
41	100		
69	77.9	65.8	98.8
39	57.6	46.4	69.6



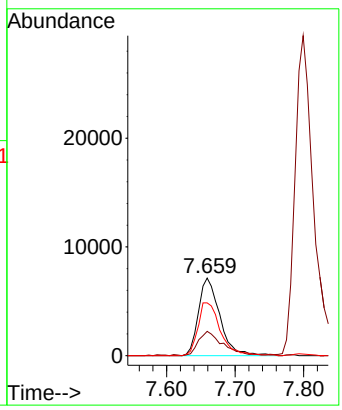


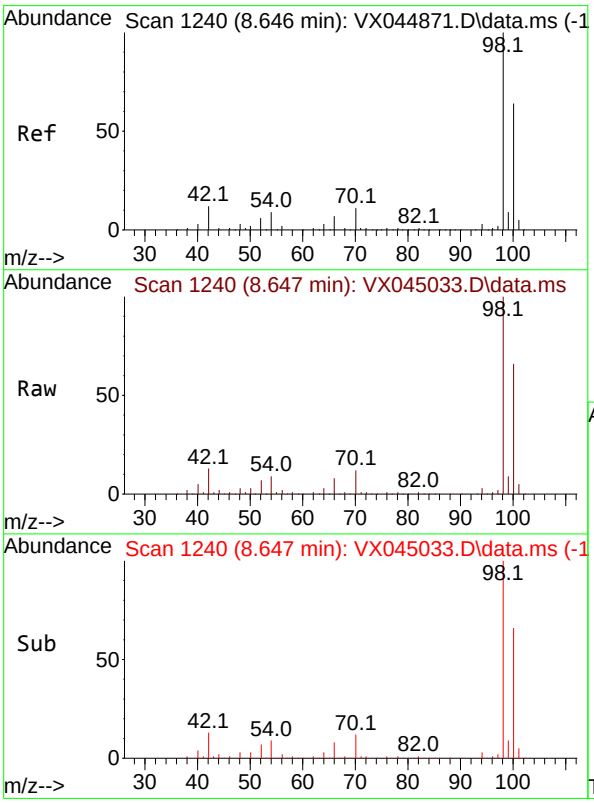
#49
1,4-Dioxane
Concen: 493.544 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 88 Resp: 15530

Ion	Ratio	Lower	Upper
88	100		
43	35.7	26.6	39.8
58	71.5	55.9	83.9

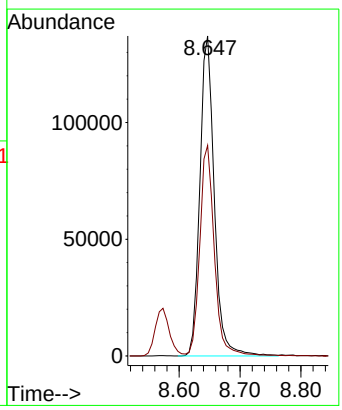


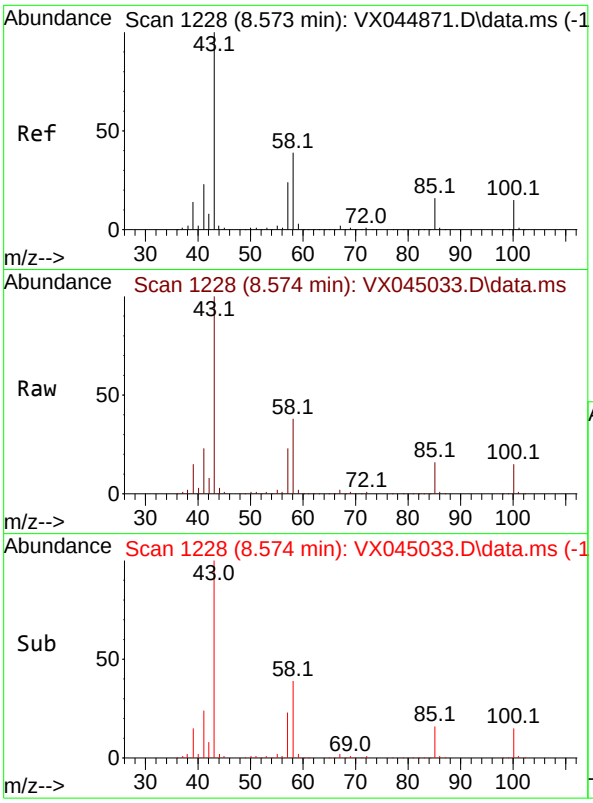


#50
Toluene-d8
Concen: 49.732 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 98 Resp: 225725

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1



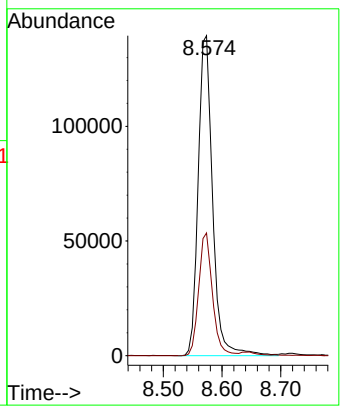


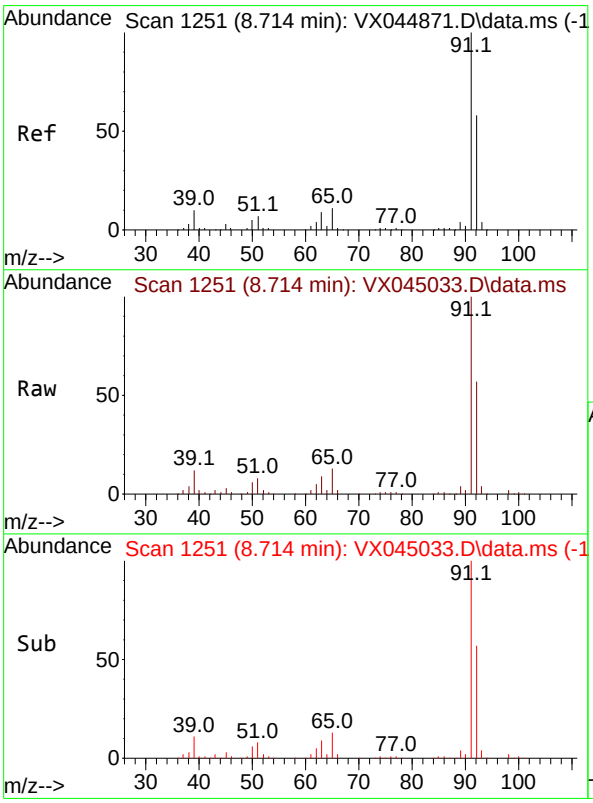
#51
4-Methyl-2-Pentanone
Concen: 126.106 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 43 Resp: 238466

Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.8	46.2

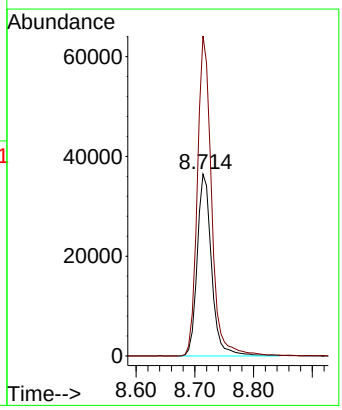


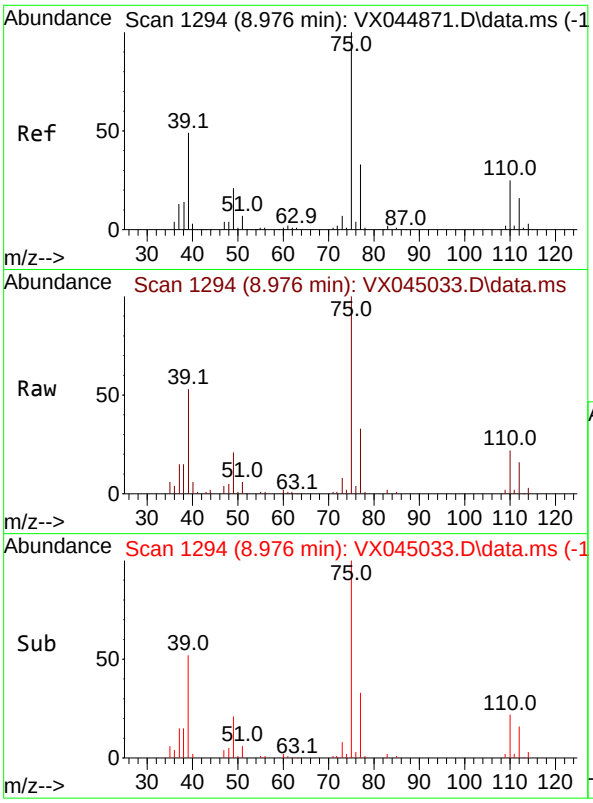


#52
Toluene
Concen: 19.284 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 92 Resp: 62103

Ion	Ratio	Lower	Upper
92	100		
91	173.9	137.4	206.2



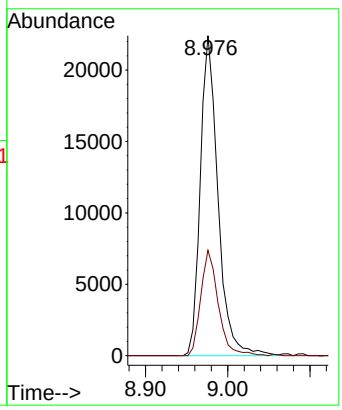


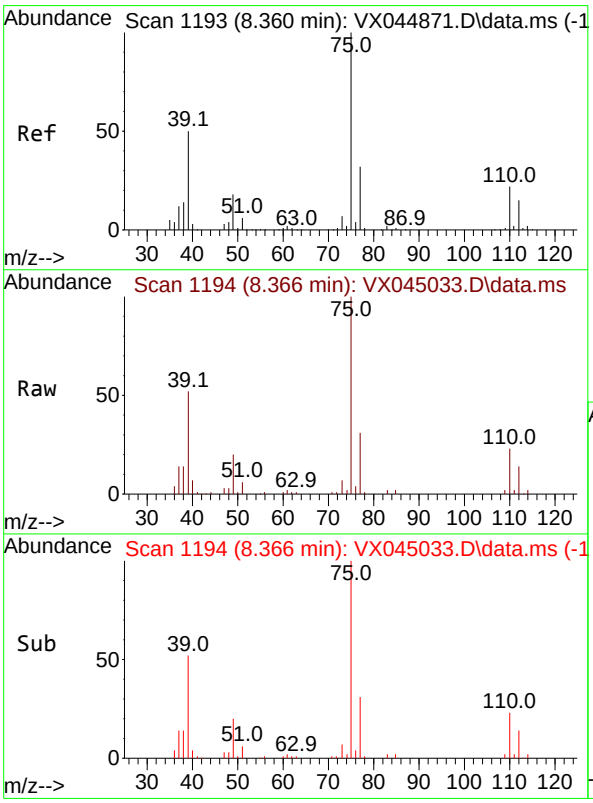
#53
t-1,3-Dichloropropene
Concen: 18.288 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 75 Resp: 33432

Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.0	39.0

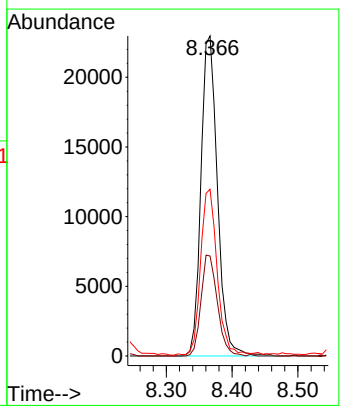


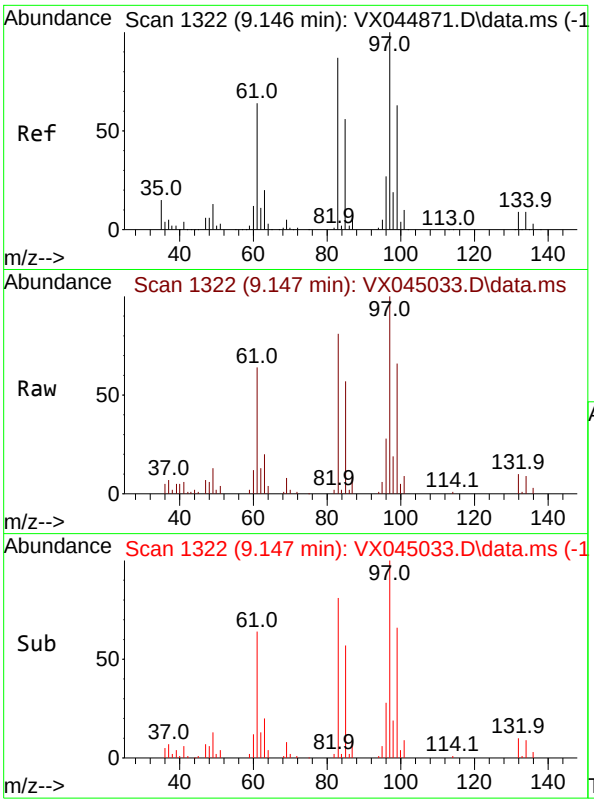


#54
cis-1,3-Dichloropropene
Concen: 19.666 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 75 Resp: 40084

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.3	37.9
39	51.6	40.0	60.0



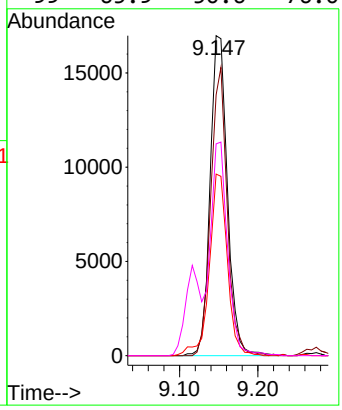


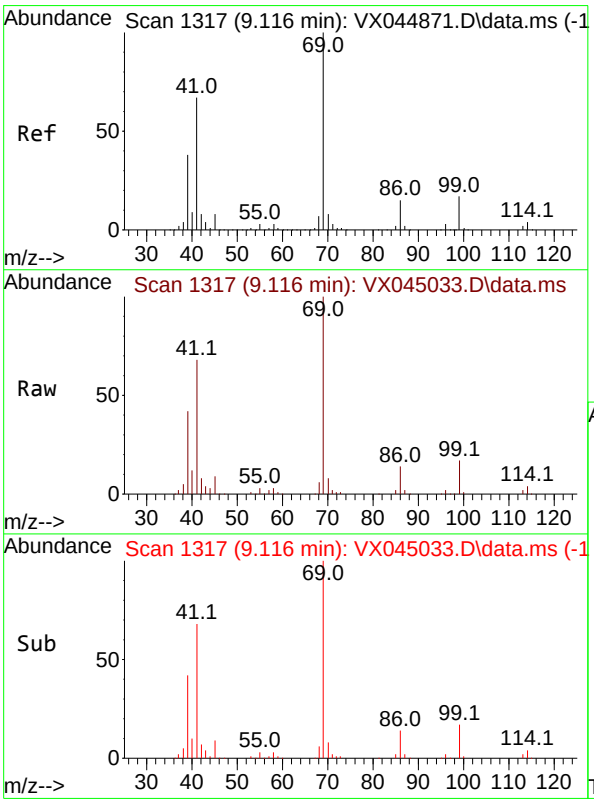
#55
1,1,2-Trichloroethane
Concen: 21.027 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 97 Resp: 26031

Ion	Ratio	Lower	Upper
97	100		
83	81.5	69.8	104.6
85	56.7	44.8	67.2
99	65.9	50.6	76.0

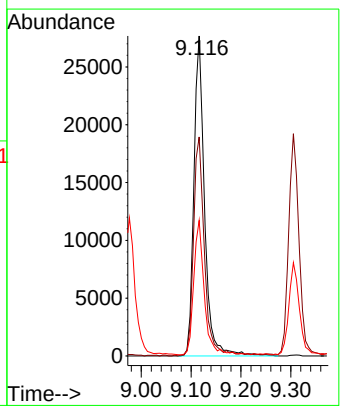


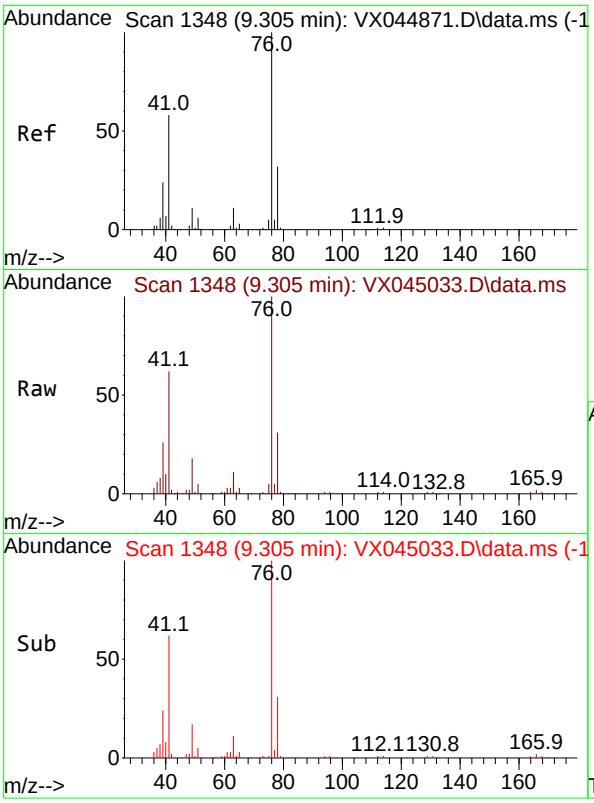


#56
Ethyl methacrylate
Concen: 20.616 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 69 Resp: 41220

Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.2	82.8
39	41.6	30.8	46.2



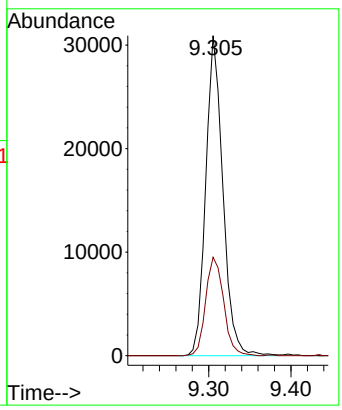


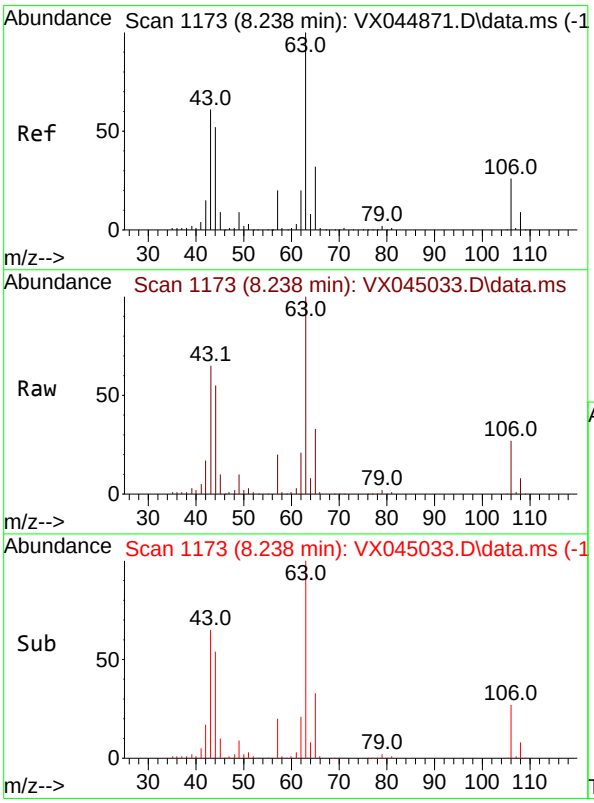
#57
1,3-Dichloropropane
Concen: 20.641 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 76 Resp: 44709

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

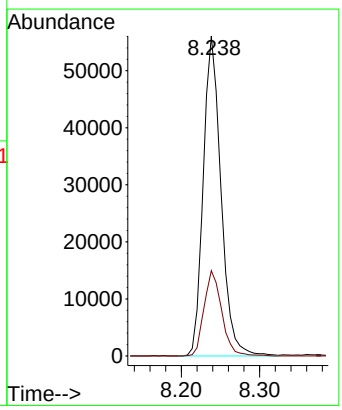


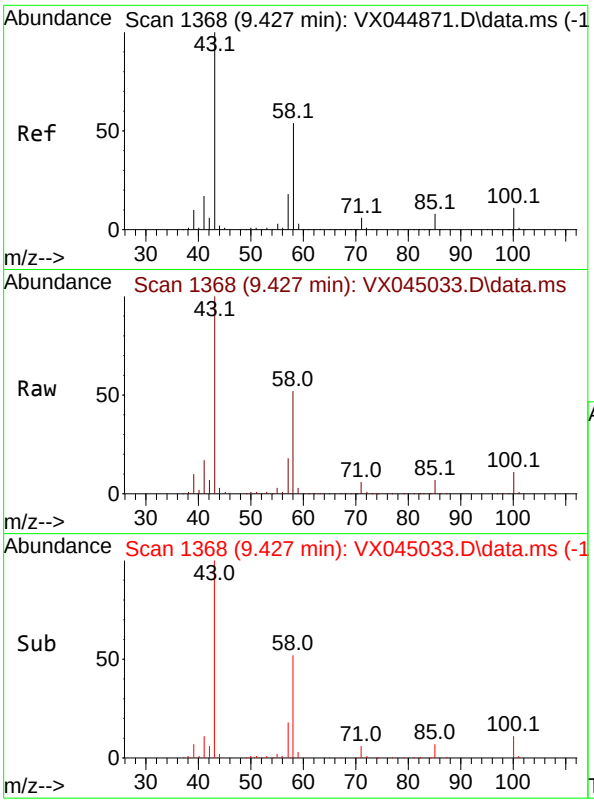


#58
2-Chloroethyl Vinyl ether
Concen: 90.045 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 63 Resp: 88402

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.3	31.9



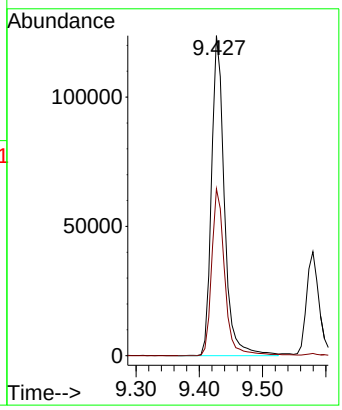


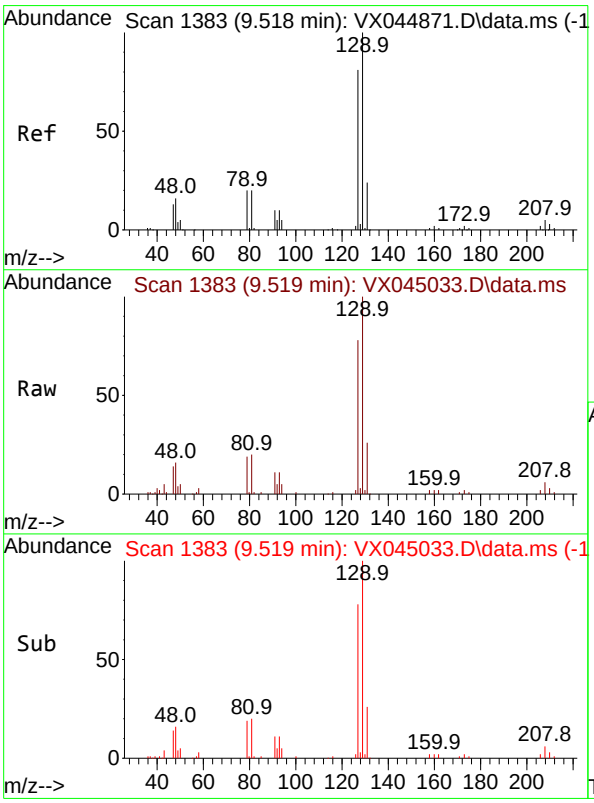
#59
2-Hexanone
Concen: 129.175 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 43 Resp: 175998

Ion	Ratio	Lower	Upper
43	100		
58	52.9	27.5	82.4

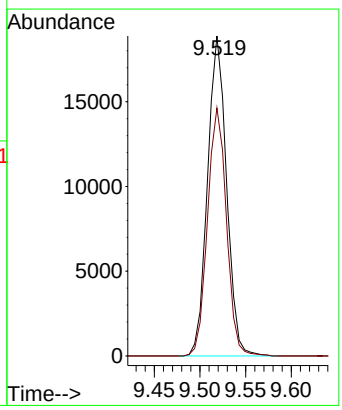


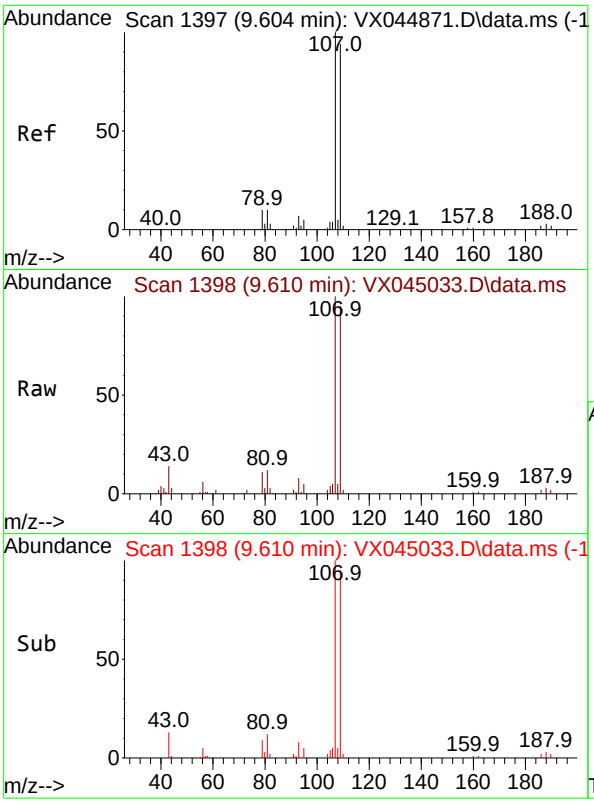


#60
Dibromochloromethane
Concen: 20.666 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:129 Resp: 27361

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.3



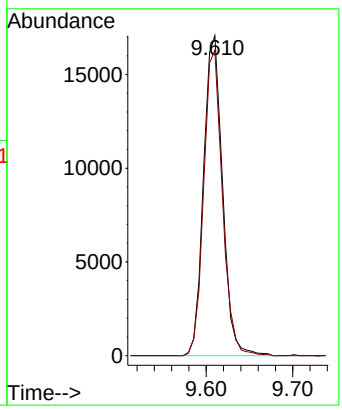


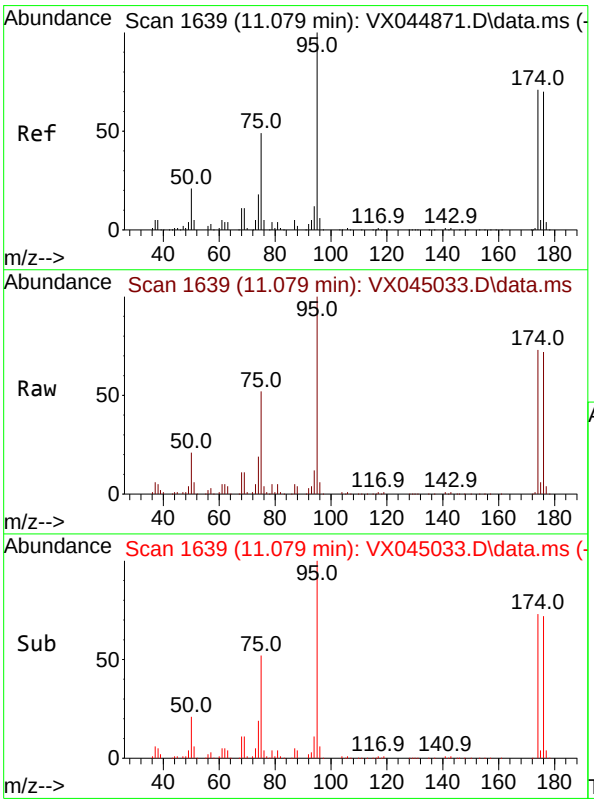
#61
1,2-Dibromoethane
Concen: 20.725 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:107 Resp: 26005

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.9	113.9

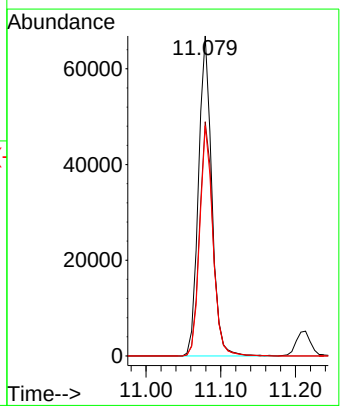


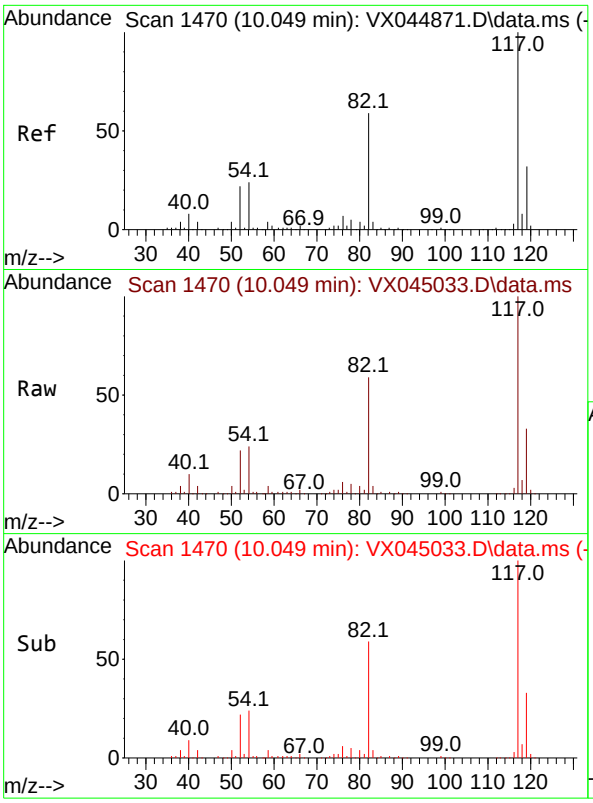


#62
4-Bromofluorobenzene
Concen: 53.799 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 95 Resp: 82320

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	142.6
176	71.3	0.0	141.6



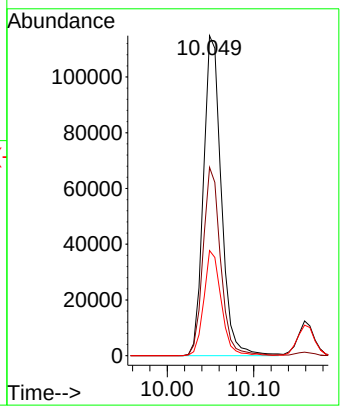


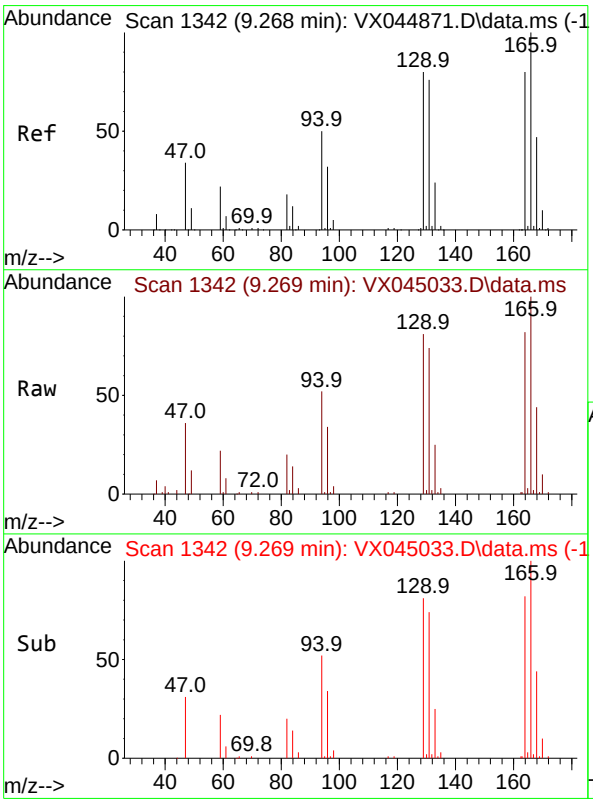
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:117 Resp: 164218

Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.5	71.3
119	32.8	25.4	38.0

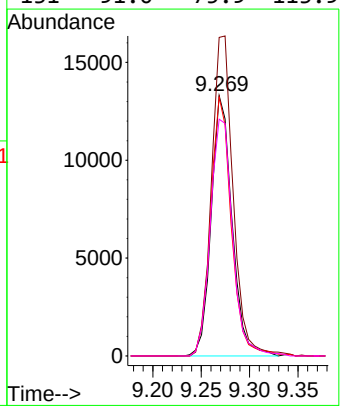


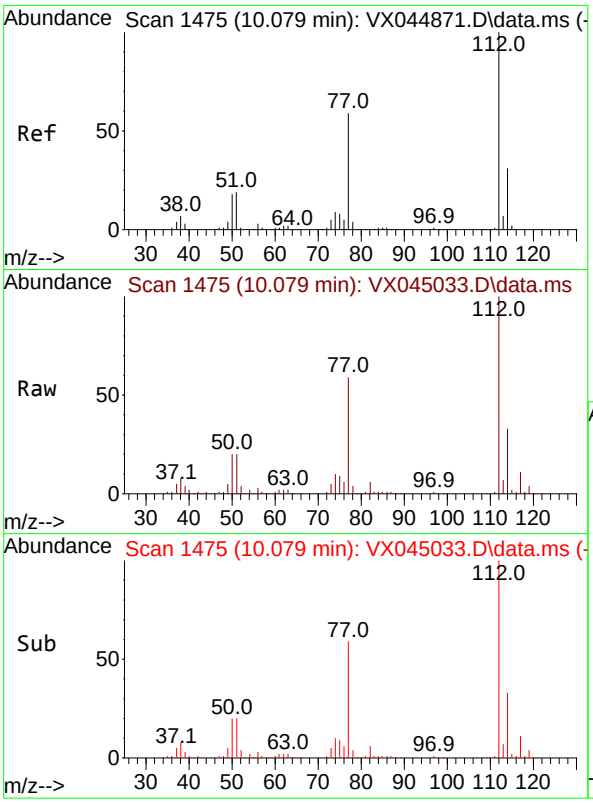


#64
Tetrachloroethene
Concen: 19.217 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:164 Resp: 19902

Ion	Ratio	Lower	Upper
164	100		
166	122.4	100.4	150.6
129	99.5	79.9	119.9
131	91.0	75.9	113.9



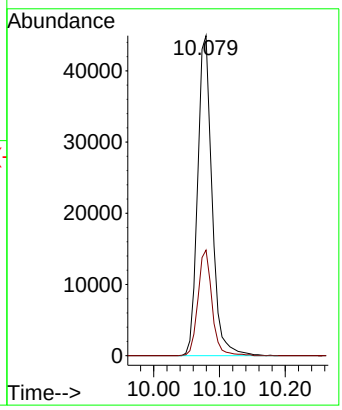


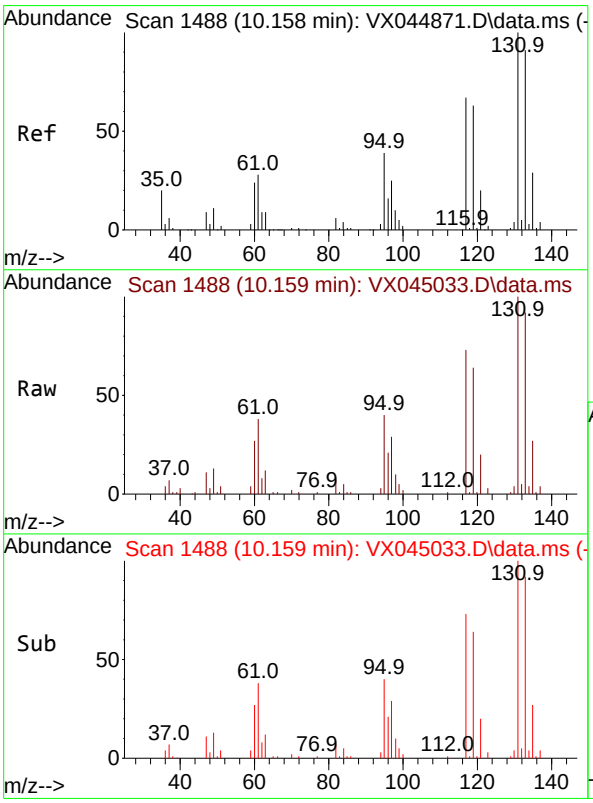
#65
Chlorobenzene
Concen: 19.299 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:112 Resp: 68070

Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.0	37.6

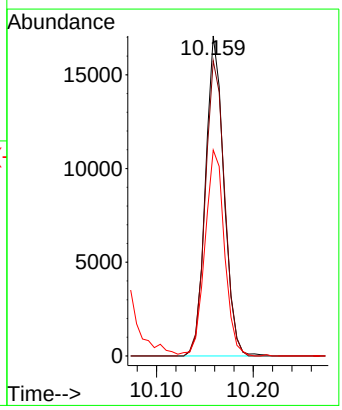


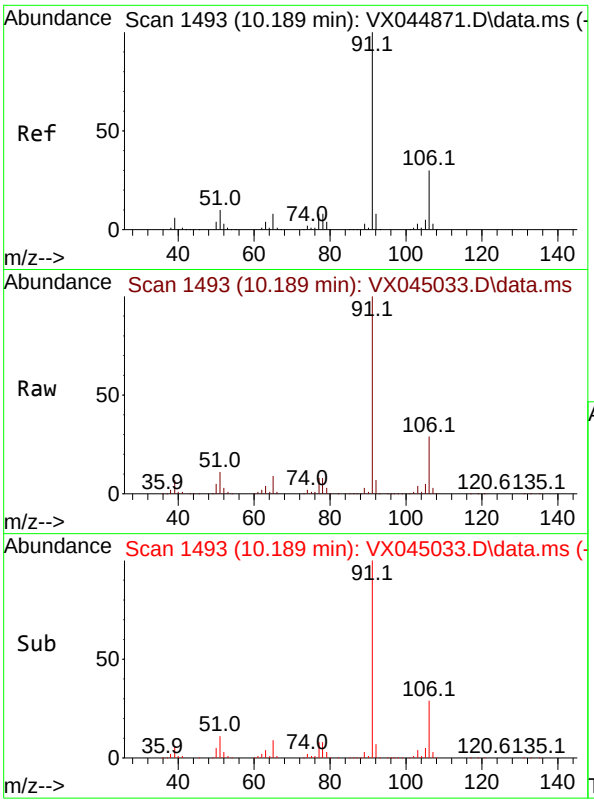


#66
1,1,1,2-Tetrachloroethane
Concen: 19.942 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:131 Resp: 22640

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.1	141.3
119	67.9	33.6	100.6



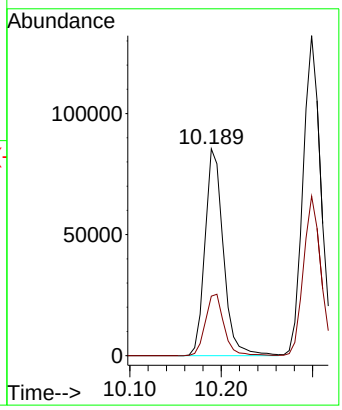


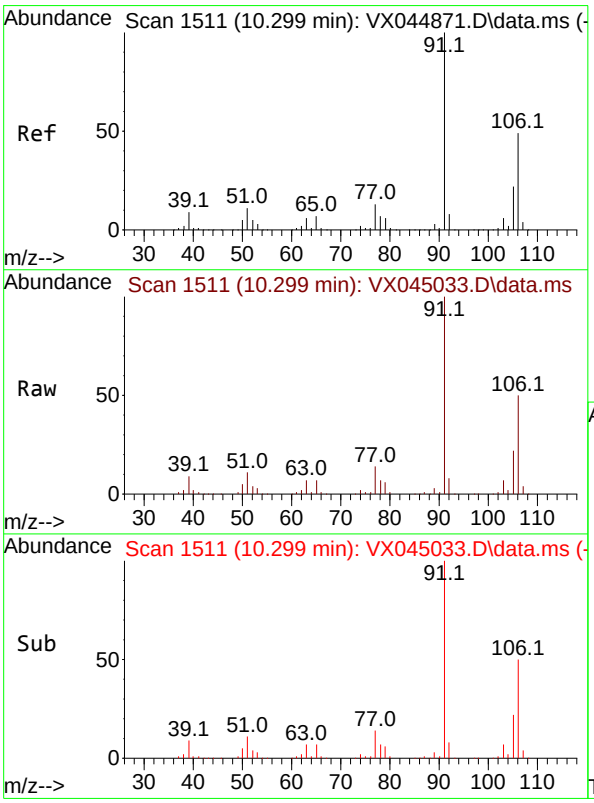
#67
Ethyl Benzene
Concen: 19.150 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 91 Resp: 119195

Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.9	35.9

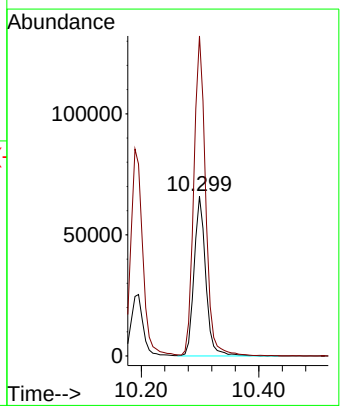


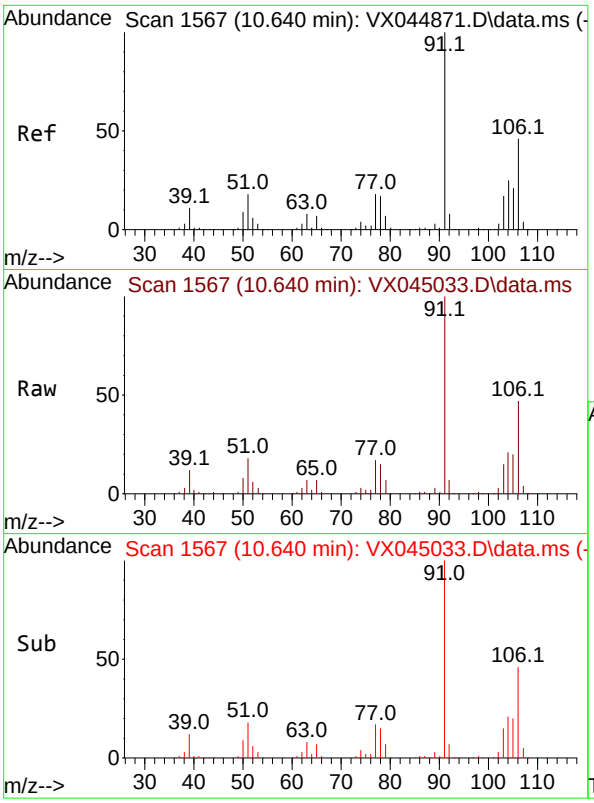


#68
m/p-Xylenes
Concen: 39.486 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:106 Resp: 90661

Ion	Ratio	Lower	Upper
106	100		
91	202.0	164.3	246.5



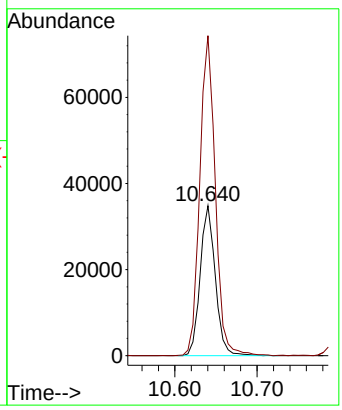


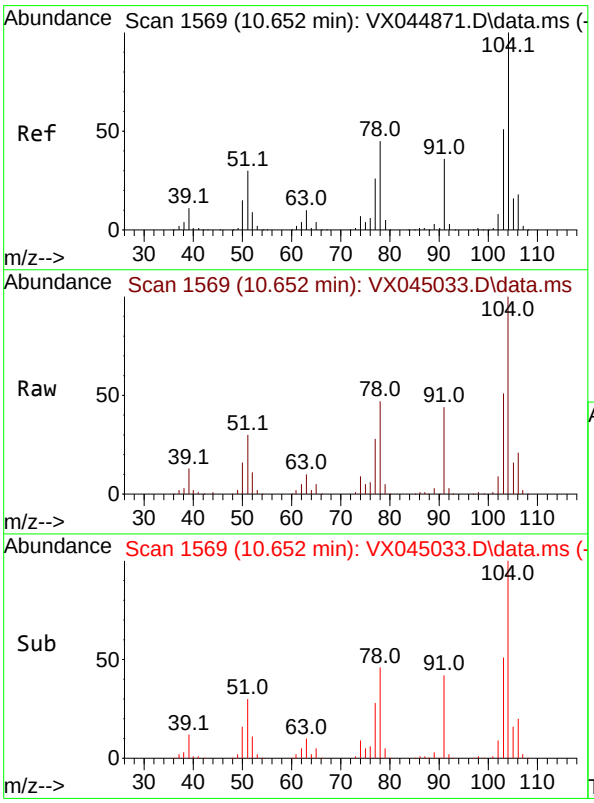
#69
o-Xylene
Concen: 19.307 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:106 Resp: 44481

Ion	Ratio	Lower	Upper
106	100		
91	218.5	108.5	325.5

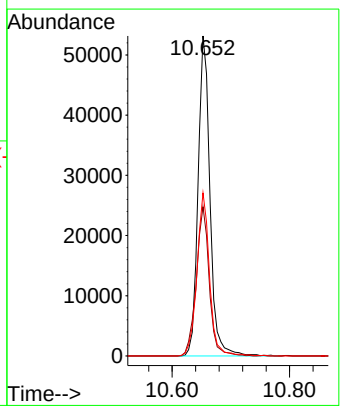


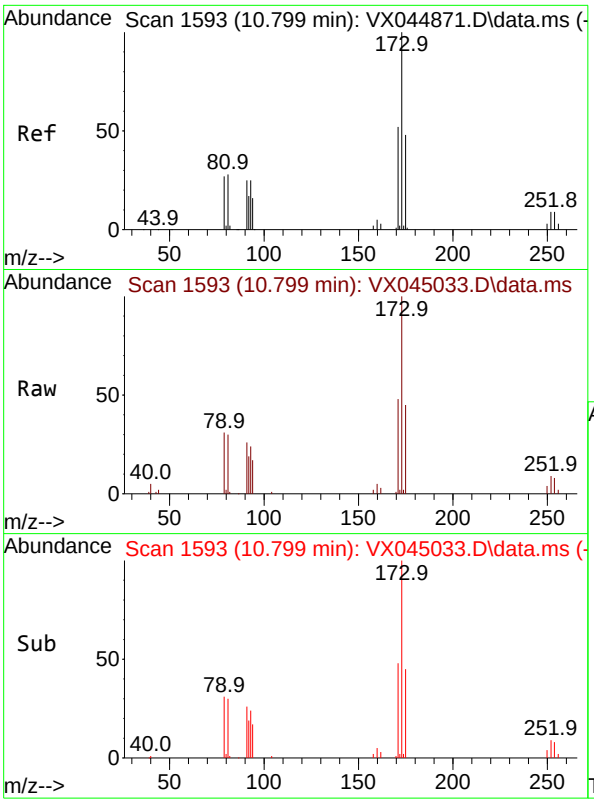


#70
Styrene
Concen: 20.171 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:104 Resp: 74872

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.5	60.7
103	54.0	43.6	65.4



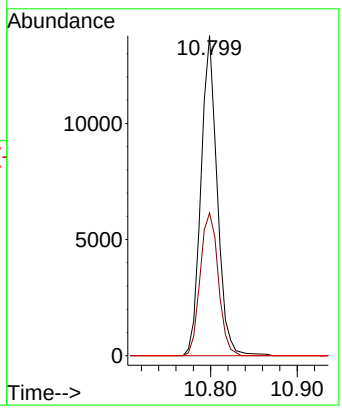


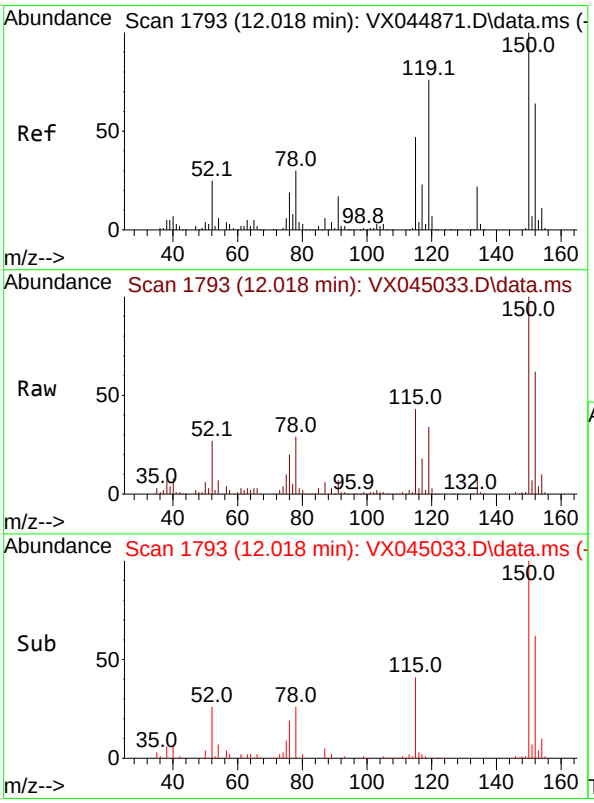
#71
Bromoform
Concen: 21.169 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:173 Resp: 17936

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.8
254	0.0	0.0	0.0

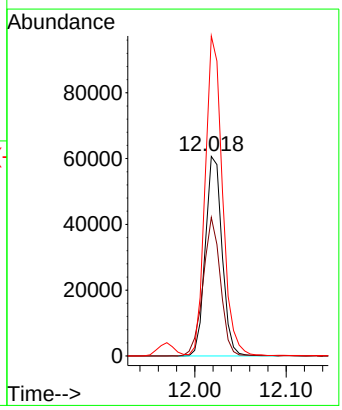


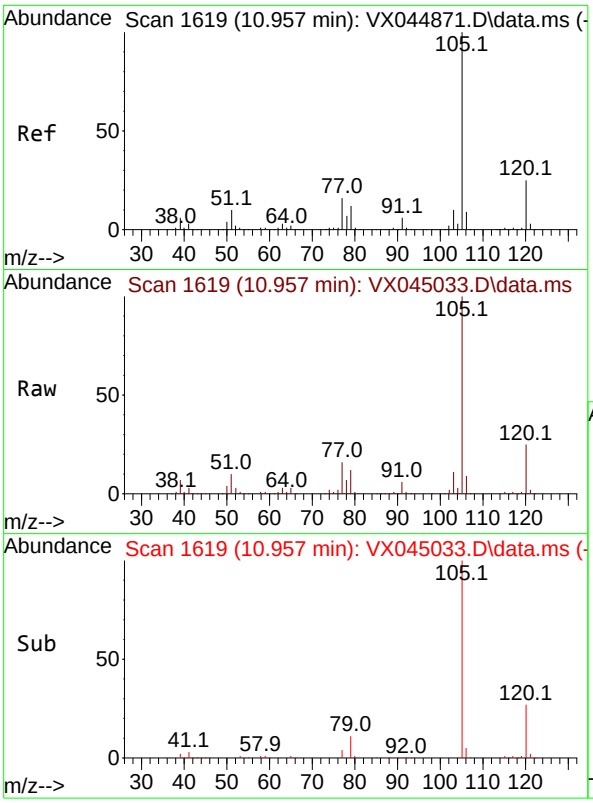


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:152 Resp: 77007

Ion	Ratio	Lower	Upper
152	100		
115	72.1	43.4	130.1
150	164.1	0.0	350.4



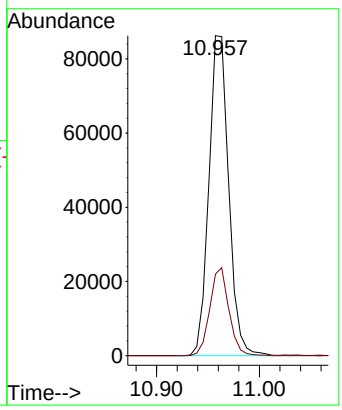


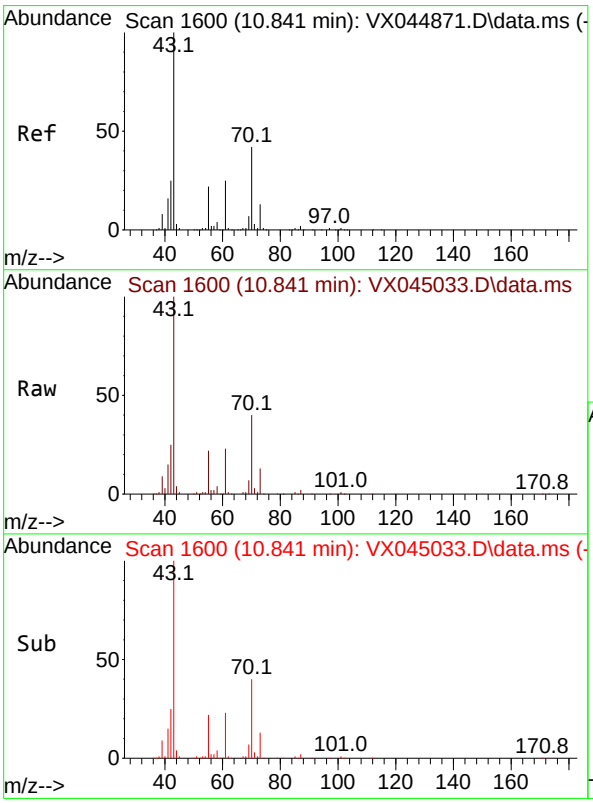
#73
Isopropylbenzene
Concen: 18.682 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:105 Resp: 115836

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

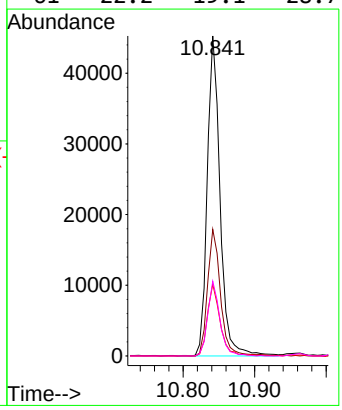


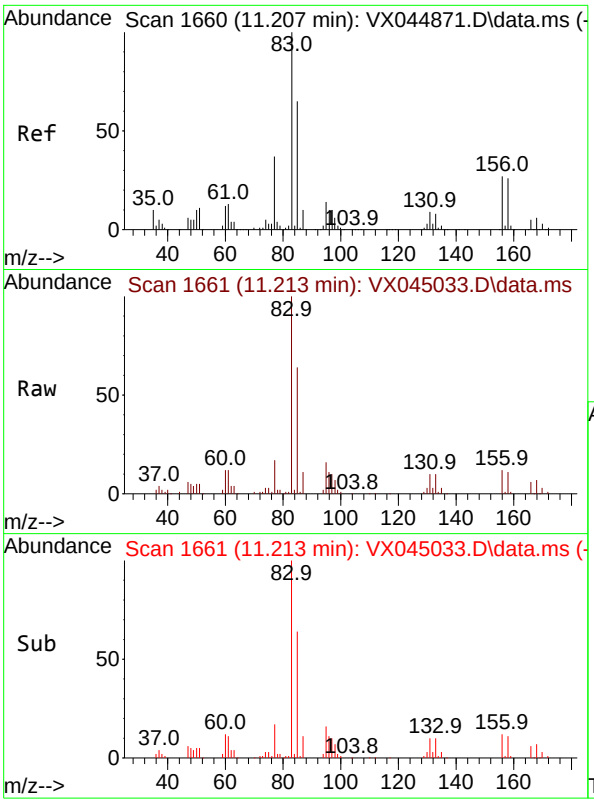


#74
N-amyl acetate
Concen: 20.142 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 56516

Ion	Ratio	Lower	Upper
43	100		
70	40.2	33.7	50.5
55	22.6	18.6	27.8
61	22.2	19.1	28.7



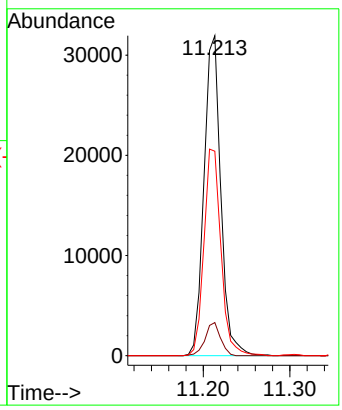


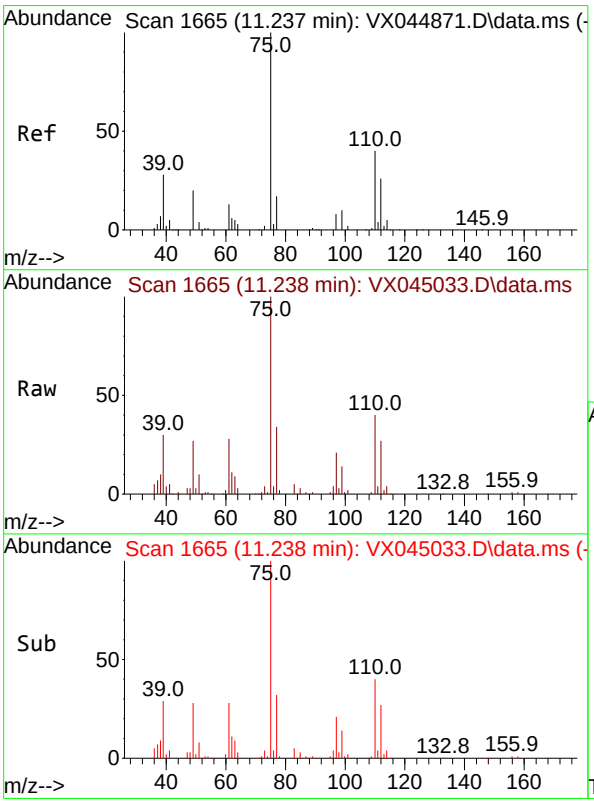
#75
1,1,2,2-Tetrachloroethane
Concen: 20.199 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 83 Resp: 43038

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.5
85	65.4	32.3	96.8

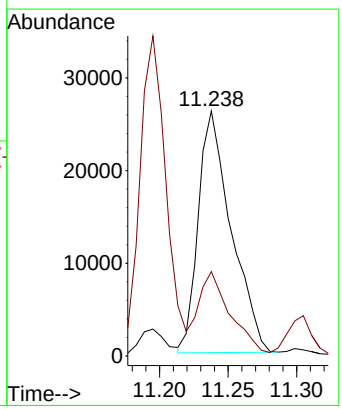


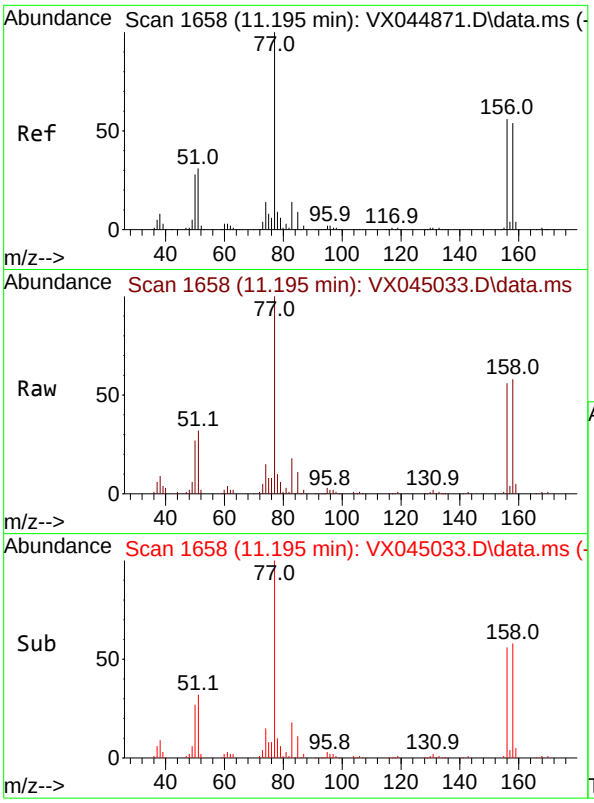


#76
1,2,3-Trichloropropane
Concen: 25.541 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 75 Resp: 43607

Ion	Ratio	Lower	Upper
75	100		
77	34.2	21.9	65.7



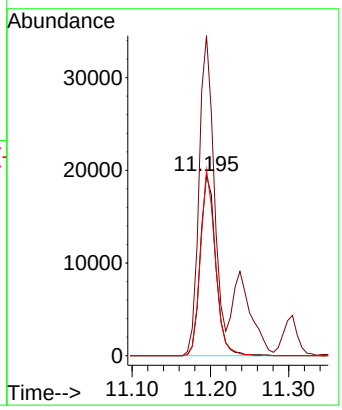


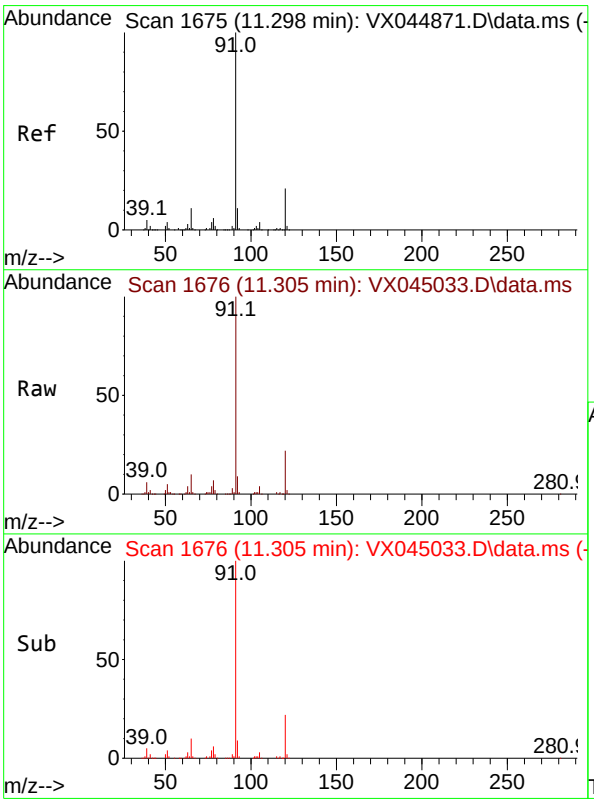
#77
Bromobenzene
Concen: 19.079 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:156 Resp: 26820

Ion	Ratio	Lower	Upper
156	100		
77	171.7	88.4	265.3
158	98.5	48.4	145.2

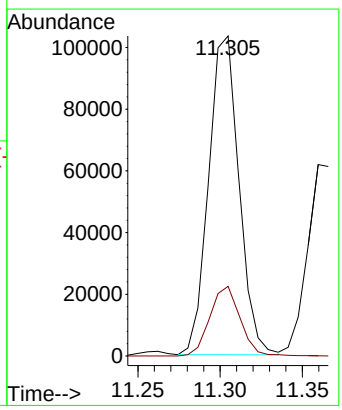


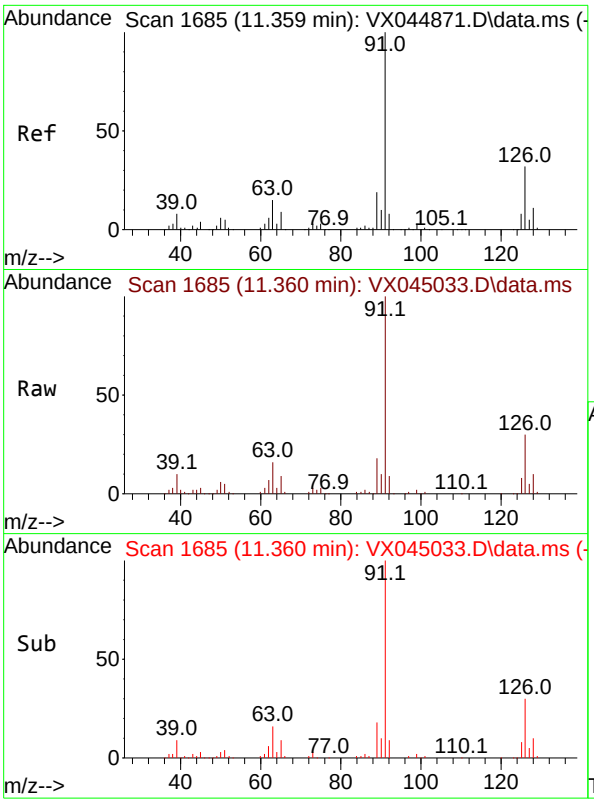


#78
n-propylbenzene
Concen: 18.576 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 91 Resp: 132947

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3



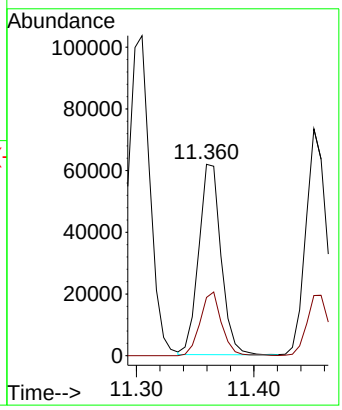


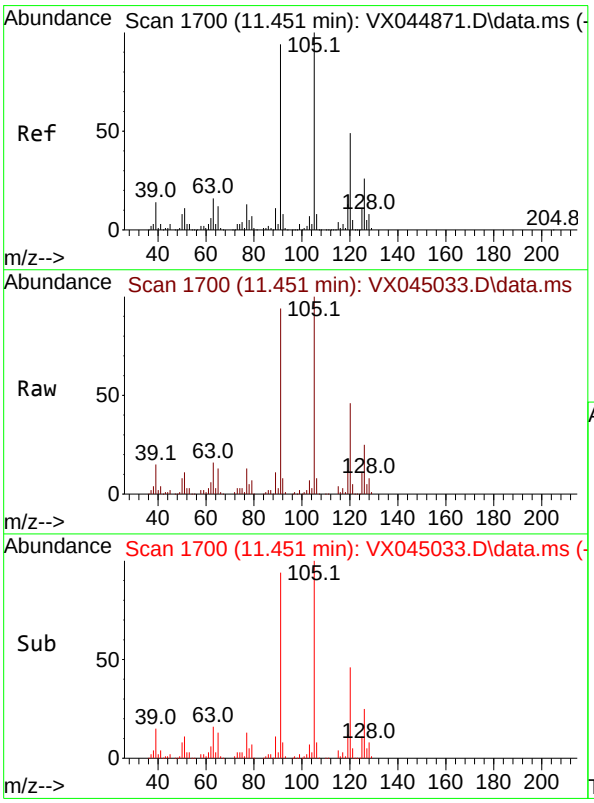
#79
2-Chlorotoluene
Concen: 18.547 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 91 Resp: 81582

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.6

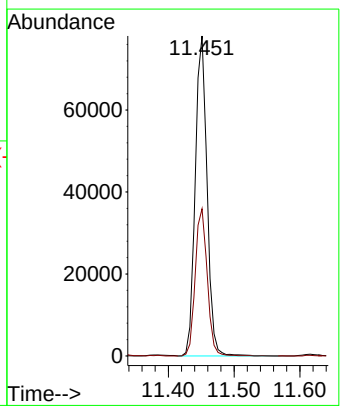


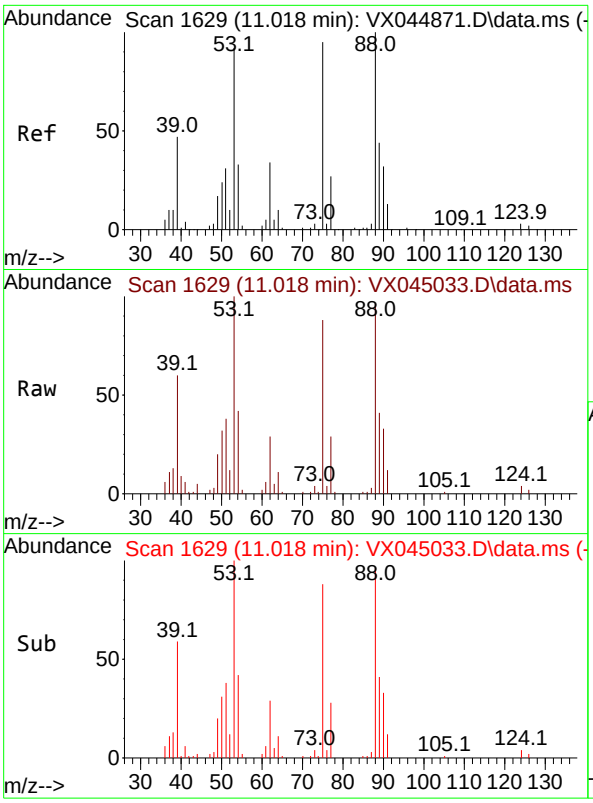


#80
1,3,5-Trimethylbenzene
Concen: 19.272 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:105 Resp: 96972

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.0	72.0



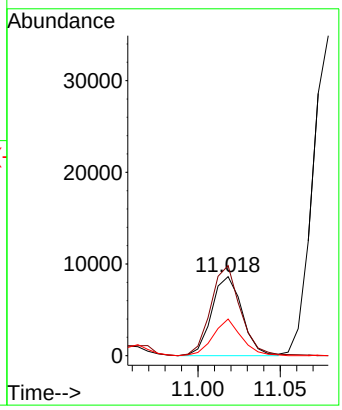


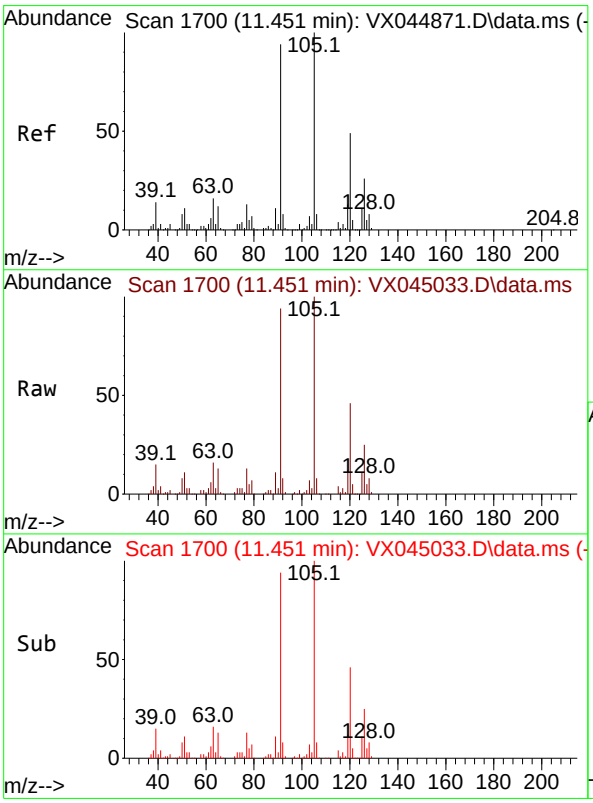
#81
trans-1,4-Dichloro-2-butene
Concen: 16.743 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 75 Resp: 11113

Ion	Ratio	Lower	Upper
75	100		
53	111.4	78.0	117.0
89	43.0	36.6	54.8

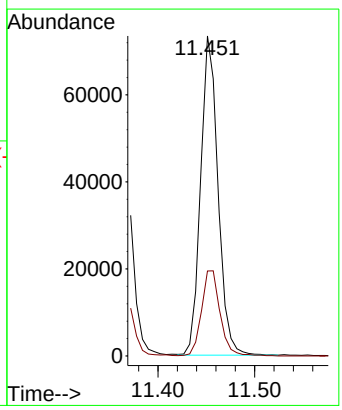


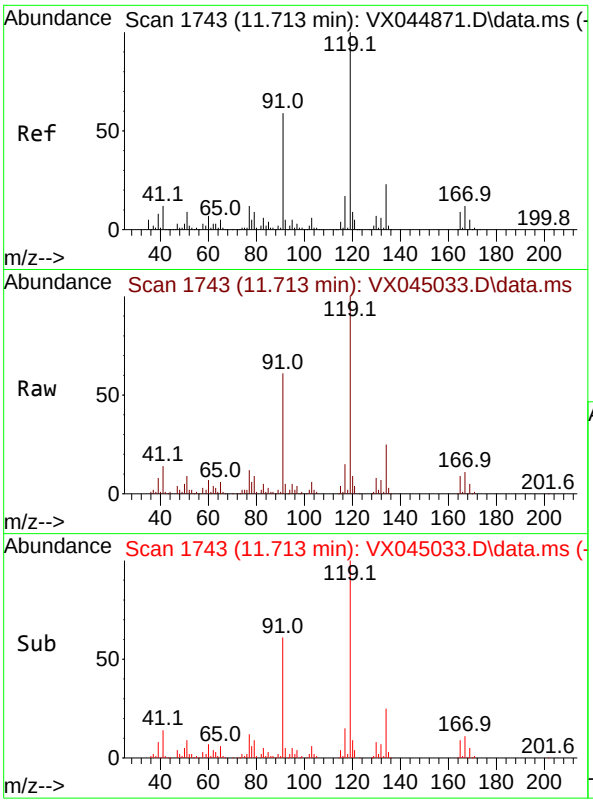


#82
4-Chlorotoluene
Concen: 18.878 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 91 Resp: 91866

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6



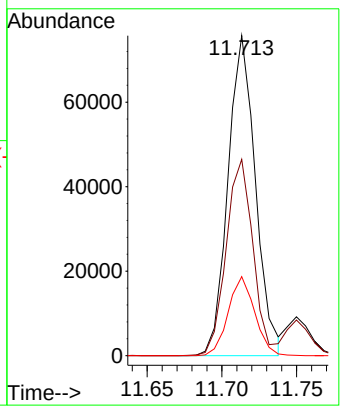


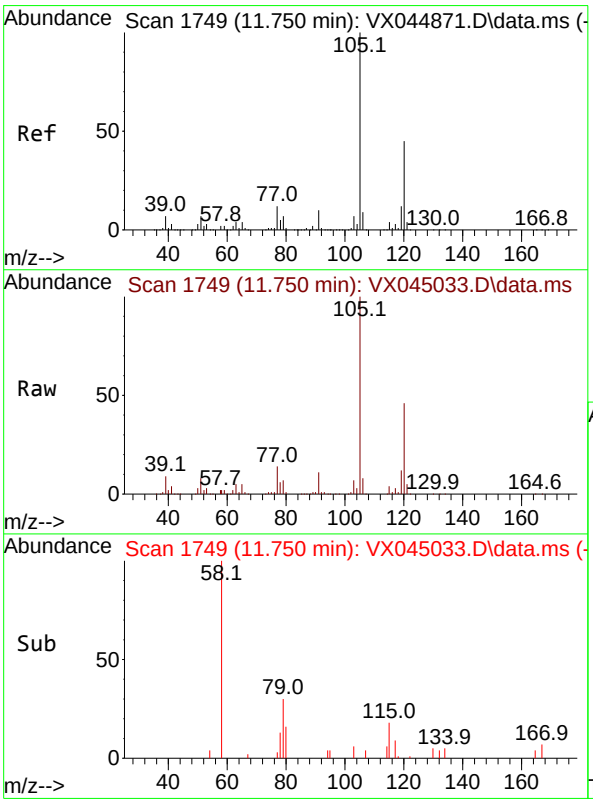
#83
tert-Butylbenzene
Concen: 19.030 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:119 Resp: 96867

Ion	Ratio	Lower	Upper
119	100		
91	60.4	29.1	87.4
134	23.9	11.5	34.5

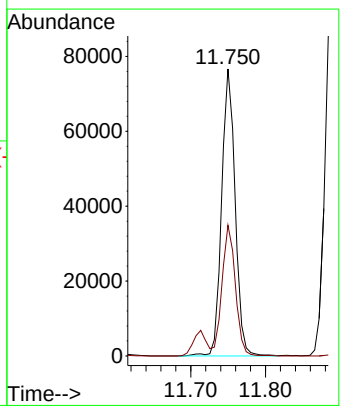


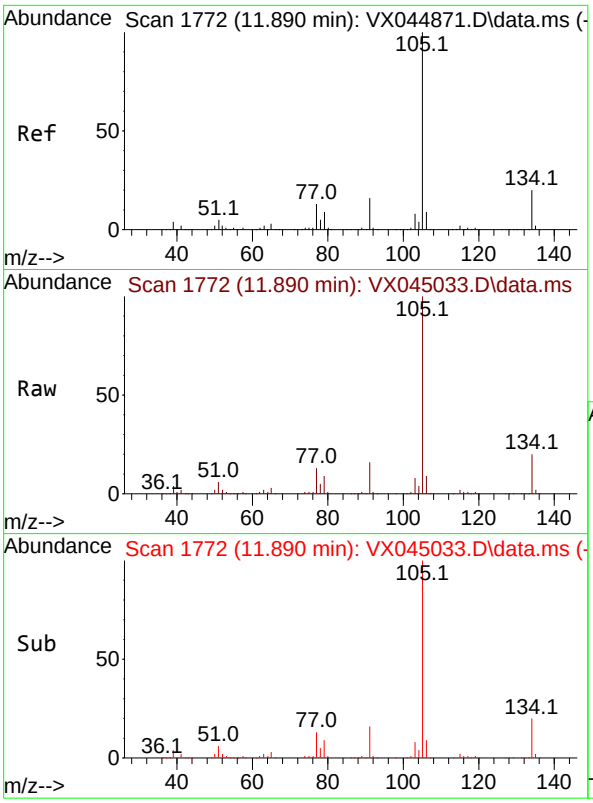


#84
1,2,4-Trimethylbenzene
Concen: 19.413 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:105 Resp: 96411

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.0



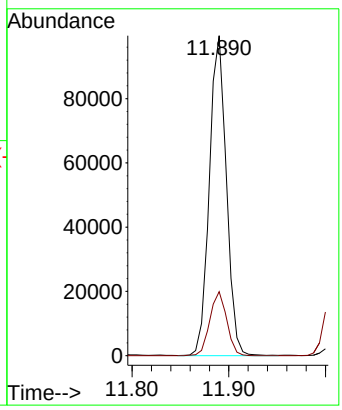


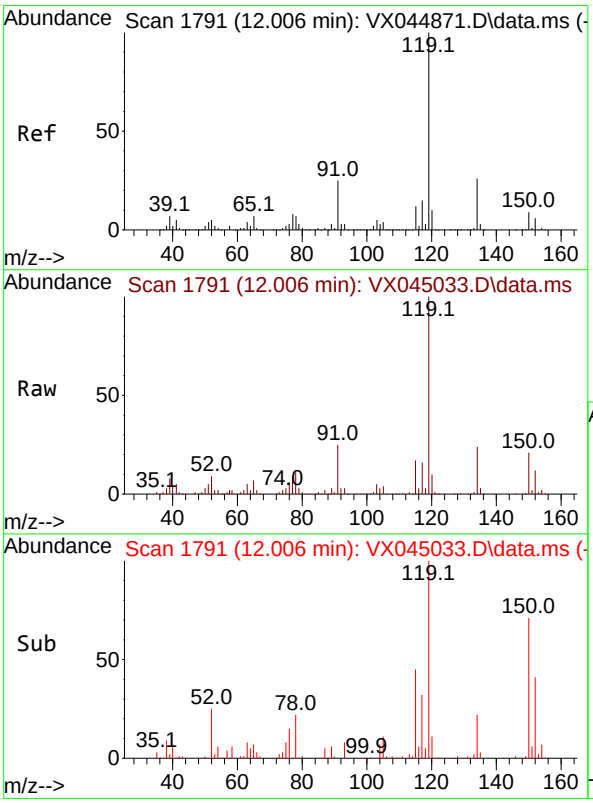
#85
sec-Butylbenzene
Concen: 19.331 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:105 Resp: 121849

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.3

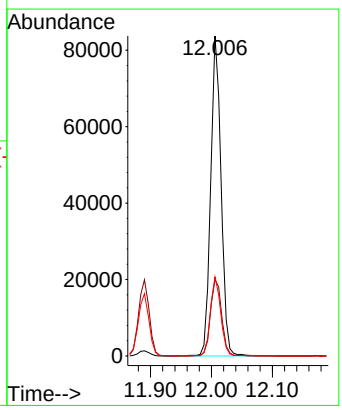


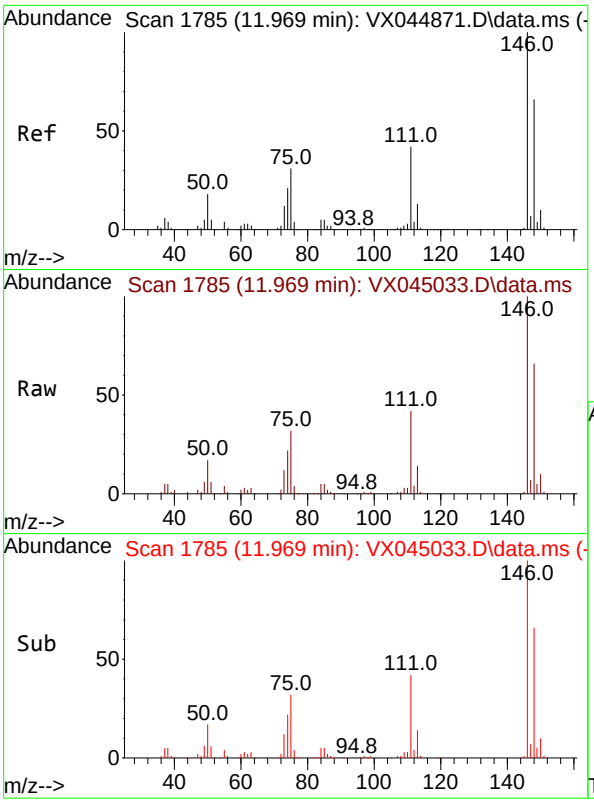


#86
p-Isopropyltoluene
Concen: 19.574 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:119 Resp: 99219

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	24.8	12.1	36.3



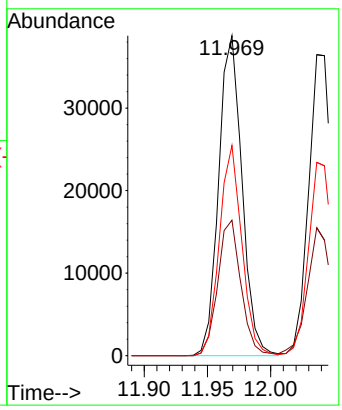


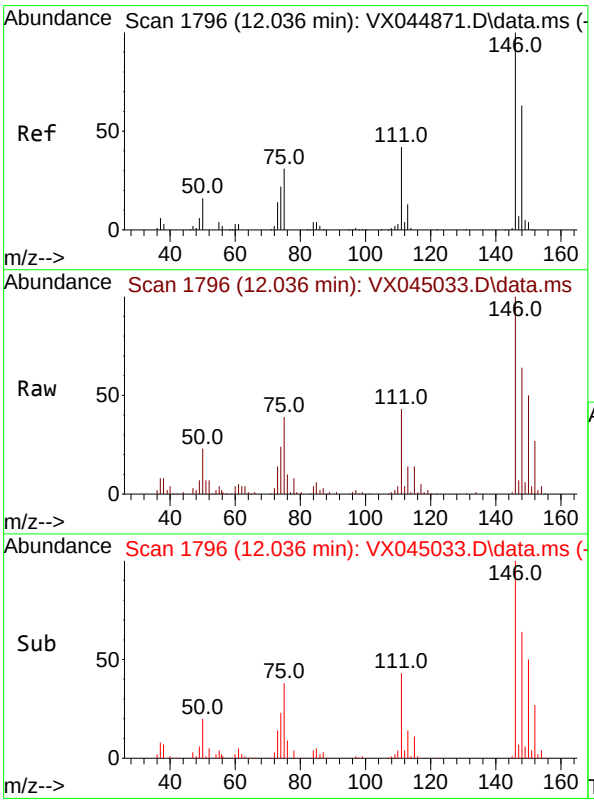
#87
1,3-Dichlorobenzene
Concen: 19.233 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:146 Resp: 49720

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	63.3	32.5	97.5

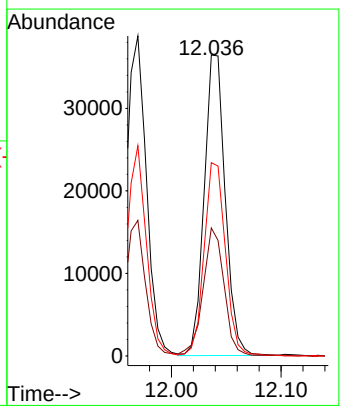


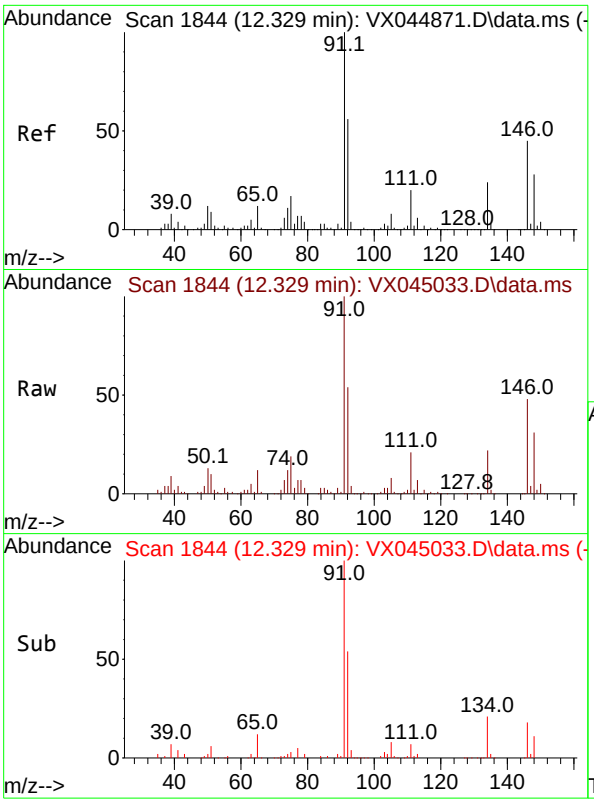


#88
1,4-Dichlorobenzene
Concen: 18.609 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:146 Resp: 48639

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.4	61.3
148	65.5	32.0	96.0



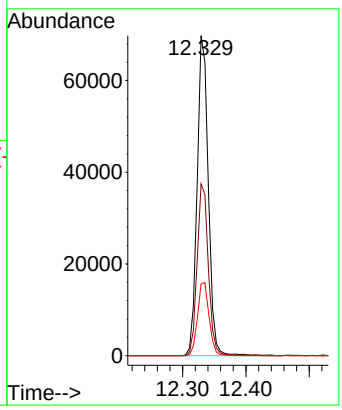


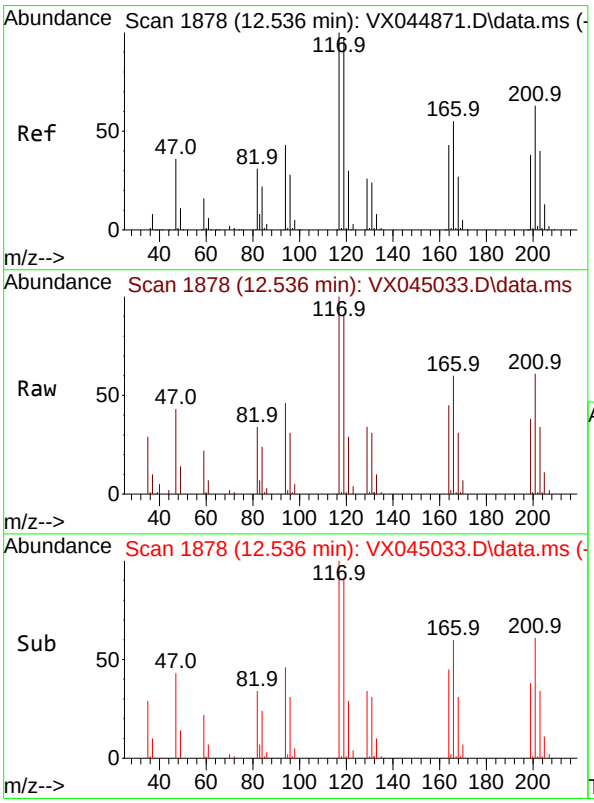
#89
n-Butylbenzene
Concen: 19.167 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 91 Resp: 85953

Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	23.7	12.1	36.3

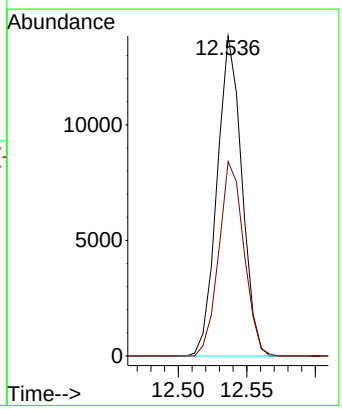


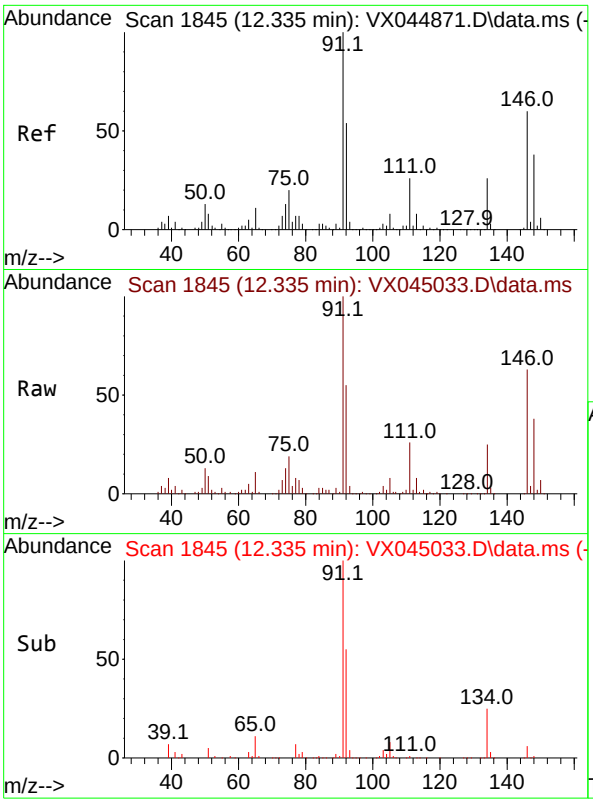


#90
Hexachloroethane
Concen: 18.298 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:117 Resp: 17367

Ion	Ratio	Lower	Upper
117	100		
201	61.9	32.5	97.5



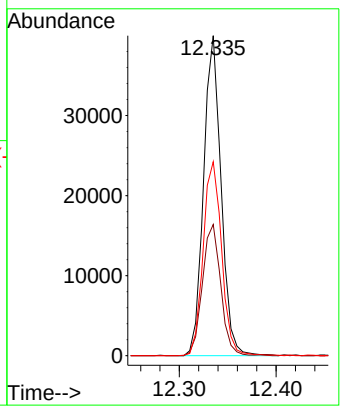


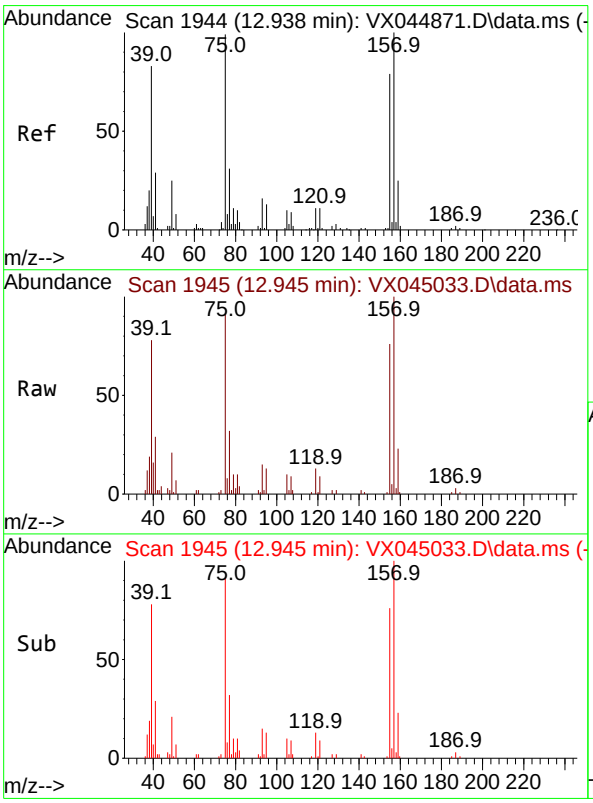
#91
1,2-Dichlorobenzene
Concen: 19.827 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:146 Resp: 50374

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.8	65.4
148	63.9	31.9	95.9

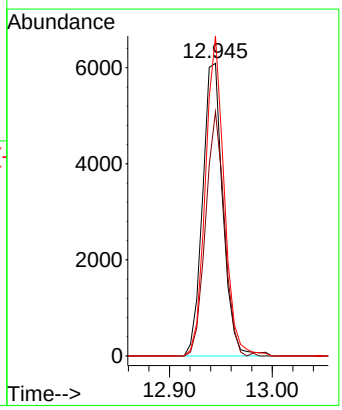


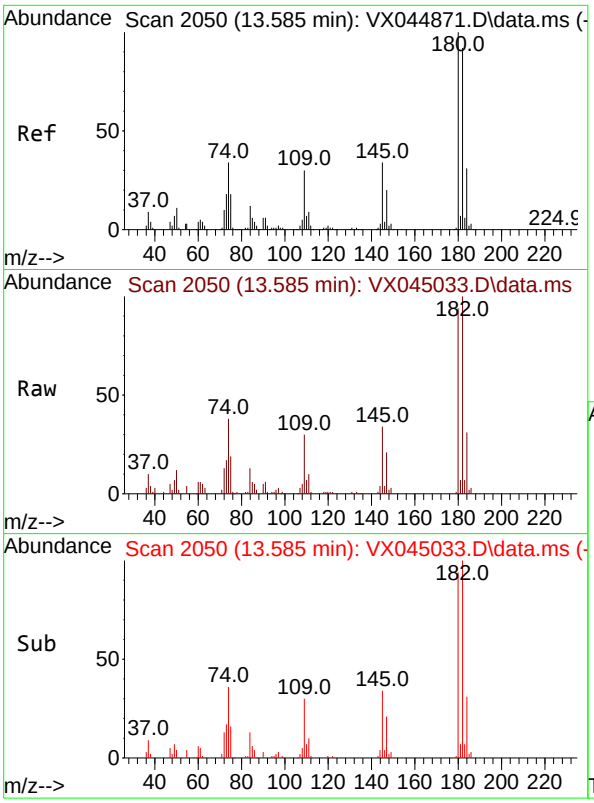


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.490 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 75 Resp: 8357

Ion	Ratio	Lower	Upper
75	100		
155	77.8	40.5	121.4
157	101.2	51.4	154.3



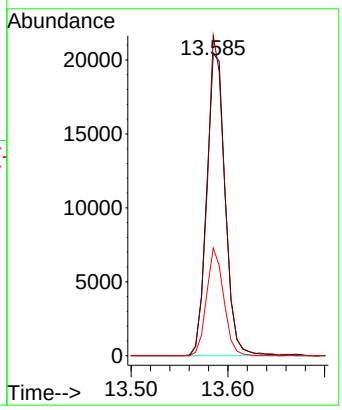


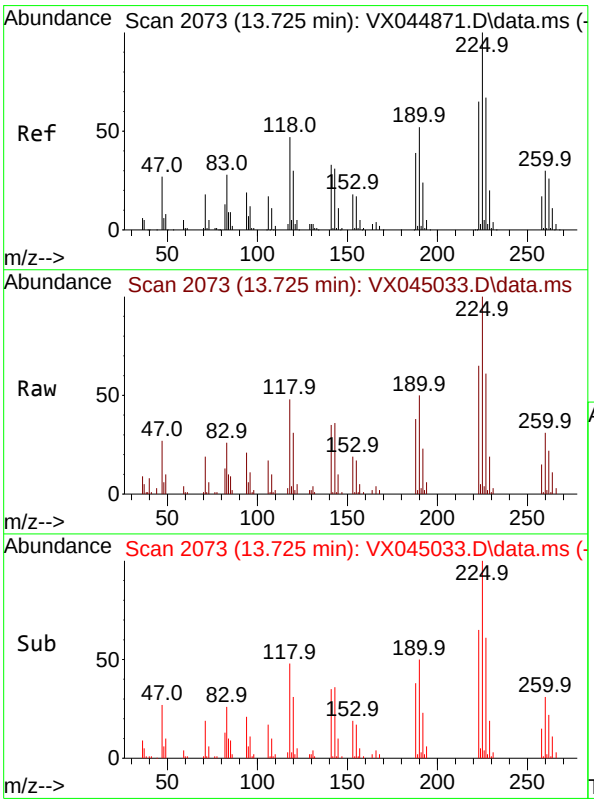
#93
1,2,4-Trichlorobenzene
Concen: 17.700 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:180 Resp: 27211

Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.6	142.8
145	32.9	16.4	49.1

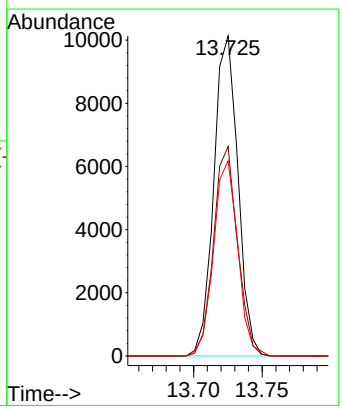


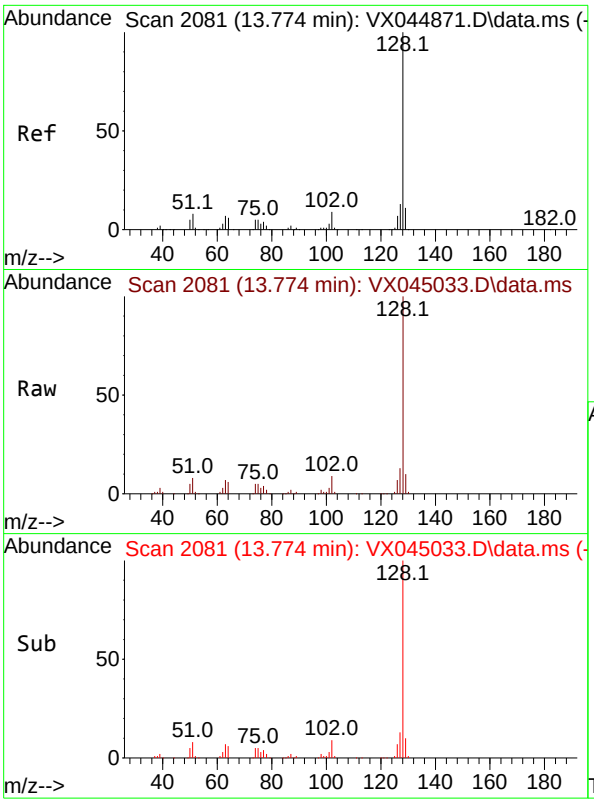


#94
Hexachlorobutadiene
Concen: 20.303 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:225 Resp: 12391

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.4	94.2
227	61.4	32.3	96.8



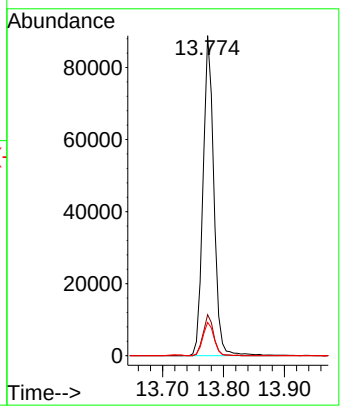


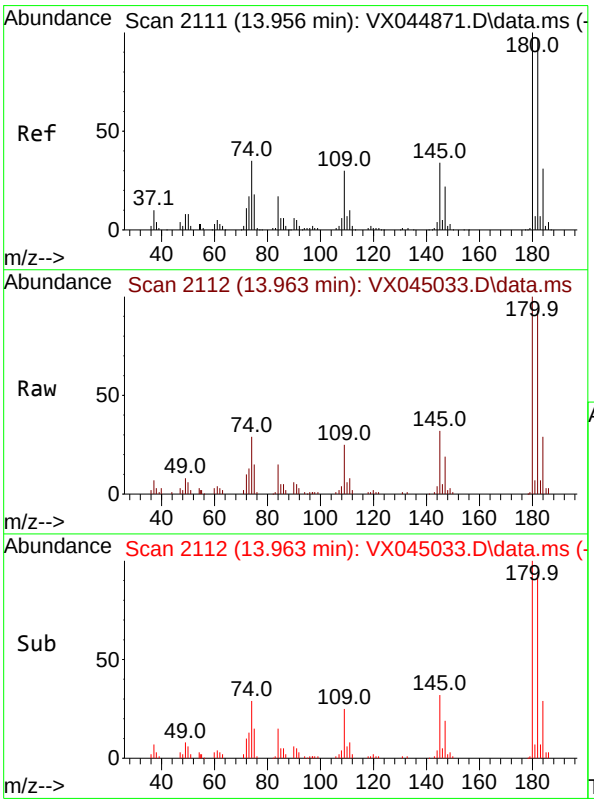
#95
Naphthalene
Concen: 19.794 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:128 Resp: 110004

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.7	8.9	13.3

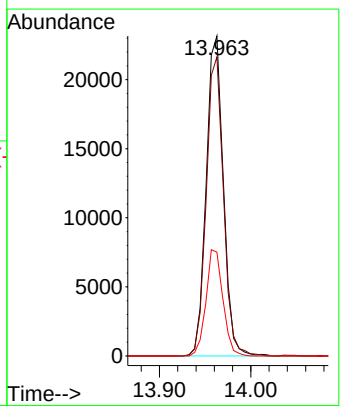




#96
1,2,3-Trichlorobenzene
Concen: 19.444 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:180 Resp: 30122

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.6
145	32.7	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	101525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181291	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65263	43.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 87.820%			
35) Dibromofluoromethane	5.385	113	52051	44.160	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.320%			
50) Toluene-d8	8.647	98	189599	42.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 85.080%#			
62) 4-Bromofluorobenzene	11.079	95	68375	45.505	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	67197	47.191	ug/l	99
3) Chloromethane	1.307	50	73673	42.510	ug/l	98
4) Vinyl Chloride	1.374	62	74122	44.148	ug/l	99
5) Bromomethane	1.593	94	26080	51.910	ug/l	97
6) Chloroethane	1.666	64	40050	65.667	ug/l	99
7) Trichlorofluoromethane	1.874	101	104892	49.402	ug/l	99
8) Diethyl Ether	2.130	74	38078	49.451	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	62754	48.918	ug/l	98
10) Methyl Iodide	2.440	142	67667	40.700	ug/l	98
11) Tert butyl alcohol	2.977	59	77483	281.037	ug/l	100
12) 1,1-Dichloroethene	2.306	96	59655	45.588	ug/l	95
13) Acrolein	2.233	56	72712	255.616	ug/l	99
14) Allyl chloride	2.654	41	113275	47.898	ug/l	97
15) Acrylonitrile	3.062	53	210213	285.568	ug/l	98
16) Acetone	2.386	43	178266	298.382	ug/l	97
17) Carbon Disulfide	2.501	76	142557	39.728	ug/l	100
18) Methyl Acetate	2.703	43	118283	62.739	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	202983	48.753	ug/l	99
20) Methylene Chloride	2.782	84	70354	48.077	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	59522	46.216	ug/l	95
22) Diisopropyl ether	3.757	45	227456	50.838	ug/l	94
23) Vinyl Acetate	3.721	43	923900	253.291	ug/l	99
24) 1,1-Dichloroethane	3.605	63	123599	49.371	ug/l	100
25) 2-Butanone	4.556	43	295559	304.657	ug/l	95
26) 2,2-Dichloropropane	4.465	77	83886	42.253	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	74648	48.253	ug/l	99
28) Bromochloromethane	4.891	49	55770	46.355	ug/l	99
29) Tetrahydrofuran	5.001	42	190035	294.997	ug/l	98
30) Chloroform	5.086	83	122880	50.613	ug/l	100
31) Cyclohexane	5.458	56	104875	45.441	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	101440	49.259	ug/l	98
36) 1,1-Dichloropropene	5.684	75	81048	47.660	ug/l	100
37) Ethyl Acetate	4.714	43	107870	57.029	ug/l	99
38) Carbon Tetrachloride	5.672	117	82597	49.565	ug/l	97
39) Methylcyclohexane	7.373	83	106224	48.316	ug/l	98
40) Benzene	6.031	78	261113	49.173	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	61329	60.575	ug/l		98
42) 1,2-Dichloroethane	6.080	62	92805	54.837	ug/l		99
43) Isopropyl Acetate	6.336	43	166895	54.640	ug/l		99
44) Trichloroethene	7.123	130	60229	49.623	ug/l		97
45) 1,2-Dichloropropane	7.427	63	66819	50.580	ug/l		99
46) Dibromomethane	7.580	93	48023	52.418	ug/l		99
47) Bromodichloromethane	7.818	83	95545	53.860	ug/l		98
48) Methyl methacrylate	7.690	41	84221	58.478	ug/l		96
49) 1,4-Dioxane	7.659	88	38186	1235.809	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	583086	314.005	ug/l		97
52) Toluene	8.714	92	159793	50.528	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	89317	49.754	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	100279	50.101	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	64638	53.170	ug/l		98
56) Ethyl methacrylate	9.116	69	107605	54.804	ug/l		98
57) 1,3-Dichloropropane	9.305	76	112282	52.787	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	247138	256.347	ug/l		100
59) 2-Hexanone	9.427	43	432203	323.037	ug/l		97
60) Dibromochloromethane	9.518	129	70395	54.145	ug/l		99
61) 1,2-Dibromoethane	9.610	107	65764	53.373	ug/l		97
64) Tetrachloroethene	9.269	164	49089	47.807	ug/l		98
65) Chlorobenzene	10.079	112	174998	50.041	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57484	51.070	ug/l		99
67) Ethyl Benzene	10.189	91	307513	49.830	ug/l		99
68) m/p-Xylenes	10.299	106	229102	100.639	ug/l		100
69) o-Xylene	10.640	106	113531	49.701	ug/l		99
70) Styrene	10.652	104	193148	52.483	ug/l		99
71) Bromoform	10.799	173	46194	54.990	ug/l	#	99
73) Isopropylbenzene	10.963	105	296079	48.748	ug/l		99
74) N-amyl acetate	10.841	43	143282	52.132	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	105710	50.649	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	111607	66.733	ug/l		83
77) Bromobenzene	11.195	156	68416	49.685	ug/l		97
78) n-propylbenzene	11.305	91	344974	49.208	ug/l		100
79) 2-Chlorotoluene	11.360	91	207089	48.064	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	239463	48.584	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	28287	43.508	ug/l		92
82) 4-Chlorotoluene	11.451	91	233290	48.941	ug/l		99
83) tert-Butylbenzene	11.713	119	247205	49.578	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	246524	50.676	ug/l		100
85) sec-Butylbenzene	11.890	105	311825	50.503	ug/l		100
86) p-Isopropyltoluene	12.006	119	252793	50.912	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	123315	48.698	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	124506	48.630	ug/l		100
89) n-Butylbenzene	12.329	91	229601	52.268	ug/l		99
90) Hexachloroethane	12.536	117	44121	47.456	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	123772	49.733	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21247	55.778	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	75398	50.067	ug/l		98
94) Hexachlorobutadiene	13.725	225	31425	52.565	ug/l		98
95) Naphthalene	13.774	128	282517	51.898	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	76093	50.145	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

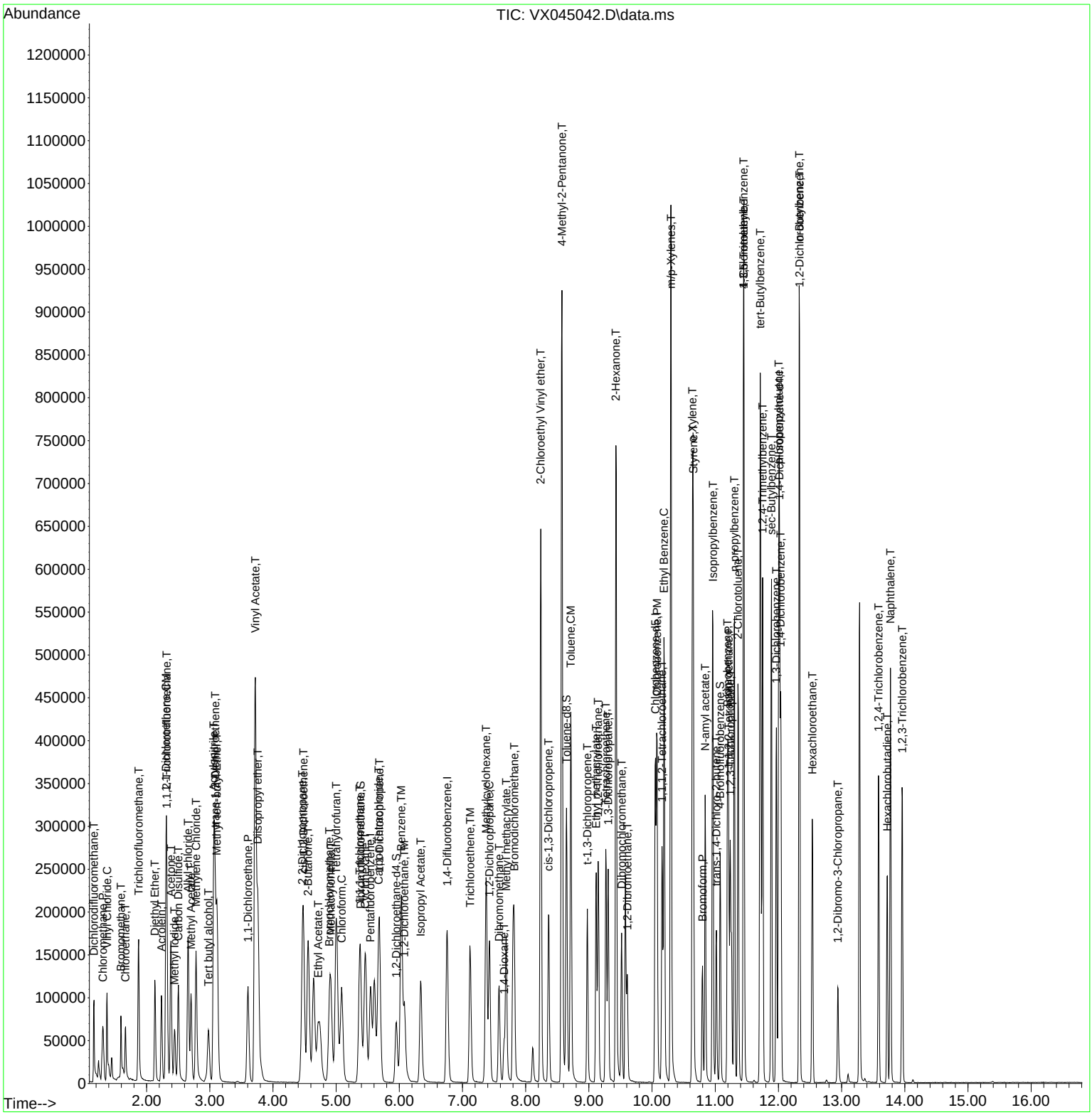
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

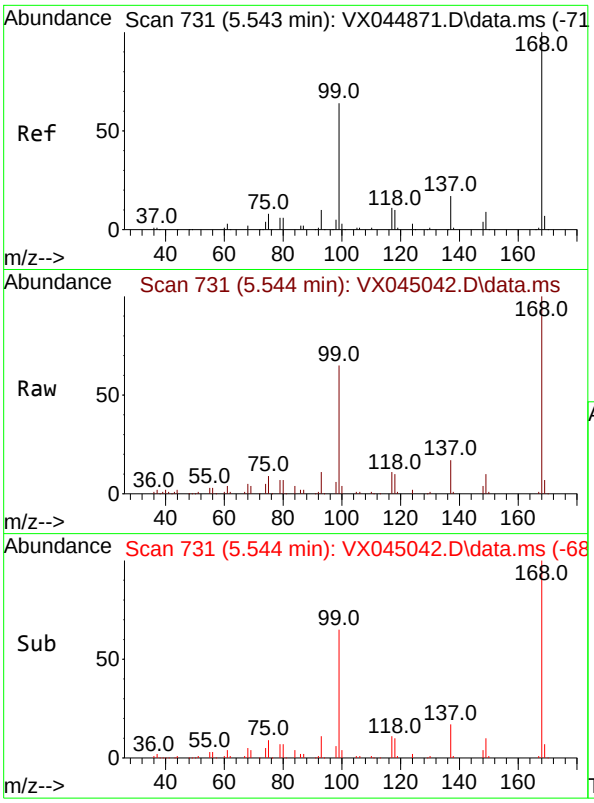
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



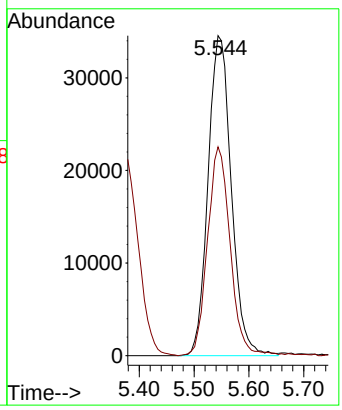


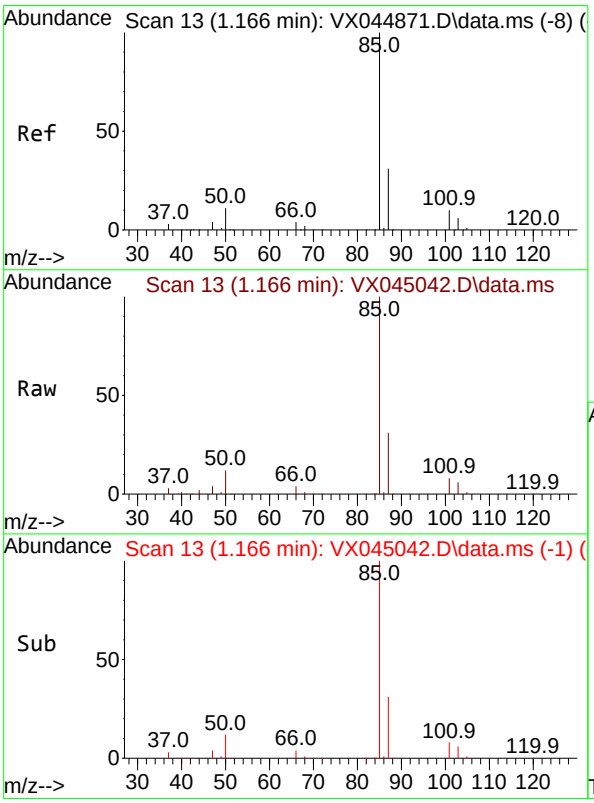
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 101525

Ion	Ratio	Lower	Upper
168	100		
99	65.2	51.2	76.8

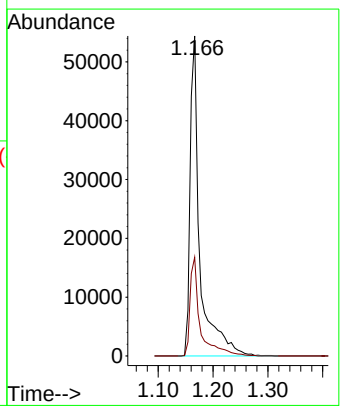


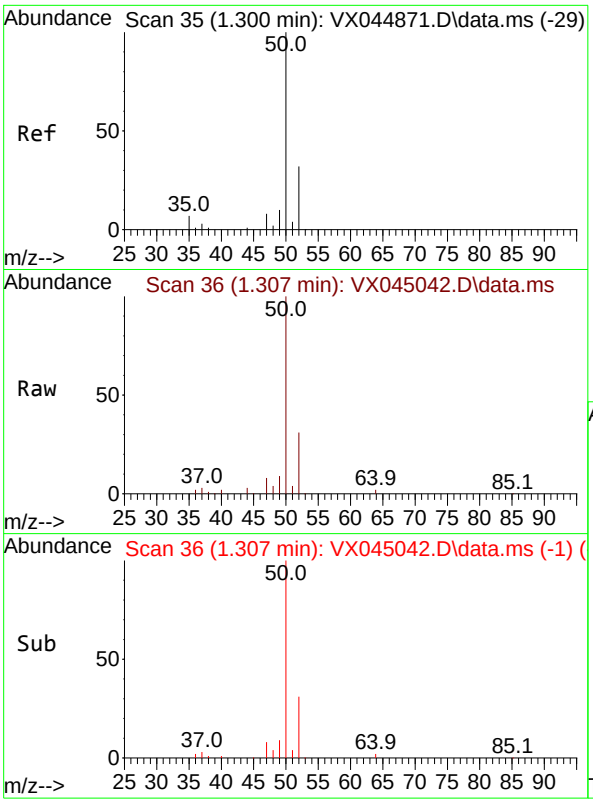


#2
Dichlorodifluoromethane
Concen: 47.191 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 85 Resp: 67197

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.8	47.3



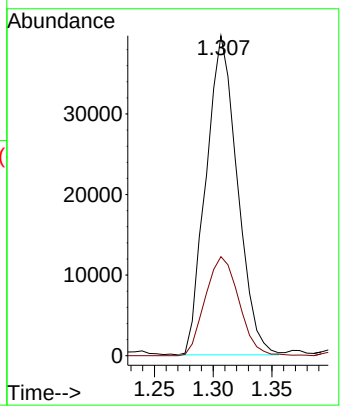


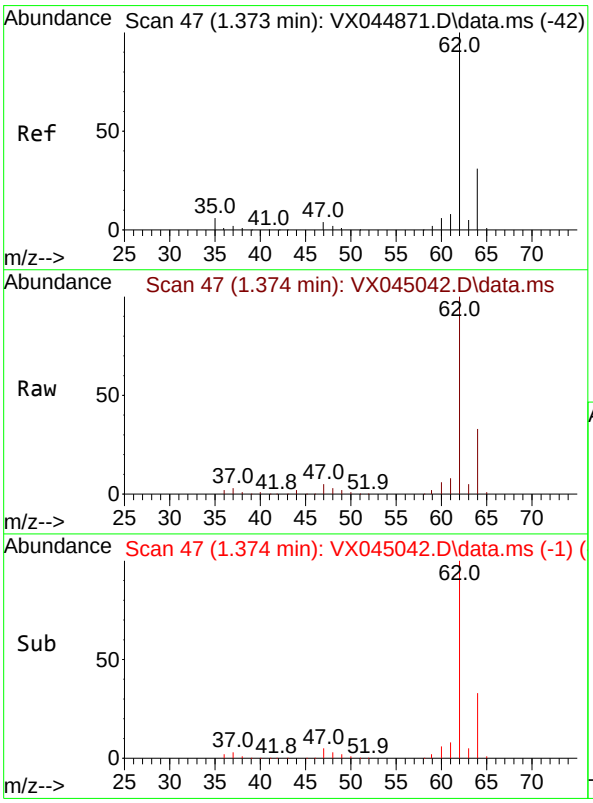
#3
Chloromethane
Concen: 42.510 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 73673

Ion	Ratio	Lower	Upper
50	100		
52	31.0	25.9	38.9

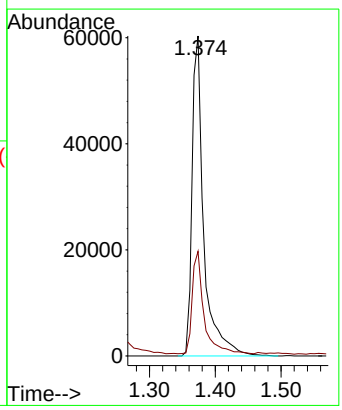


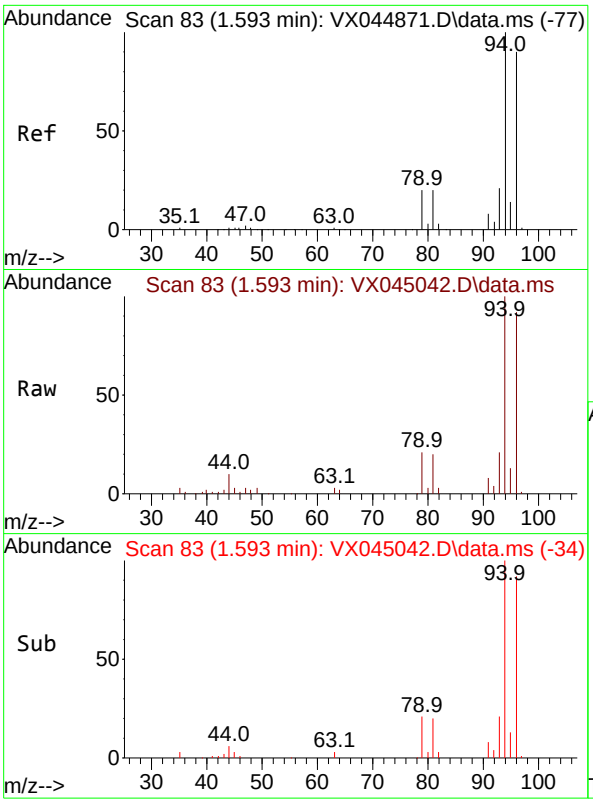


#4
Vinyl Chloride
Concen: 44.148 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 62 Resp: 74122

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.4	38.0



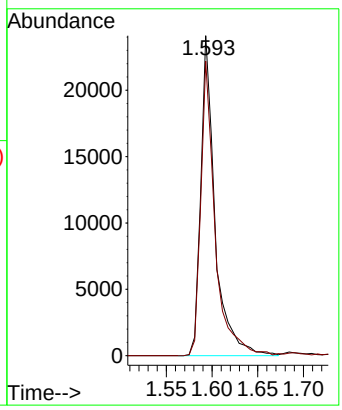


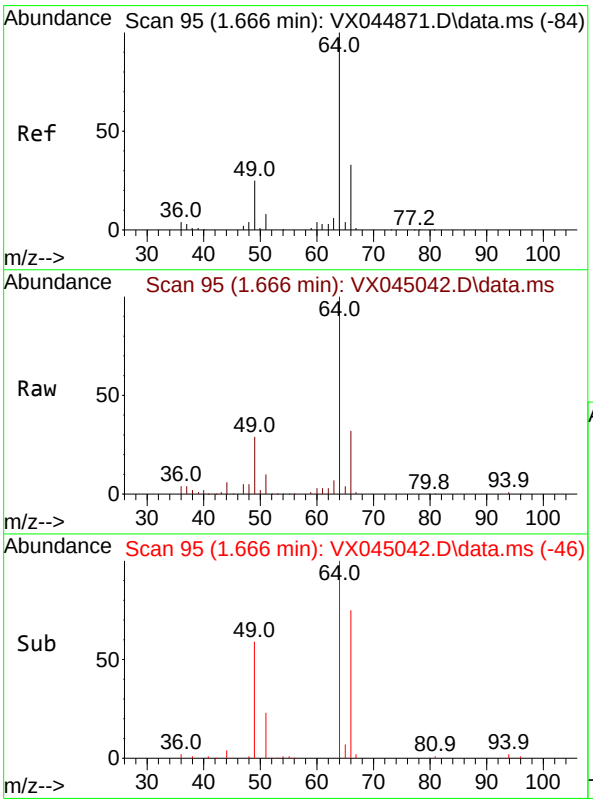
#5
Bromomethane
Concen: 51.910 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 26080

Ion	Ratio	Lower	Upper
94	100		
96	92.1	71.6	107.4

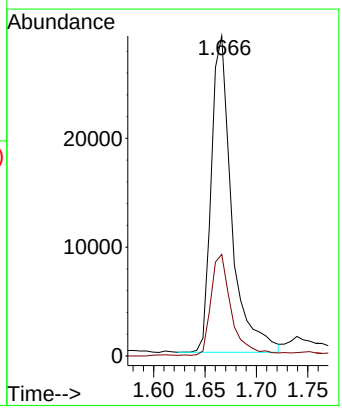


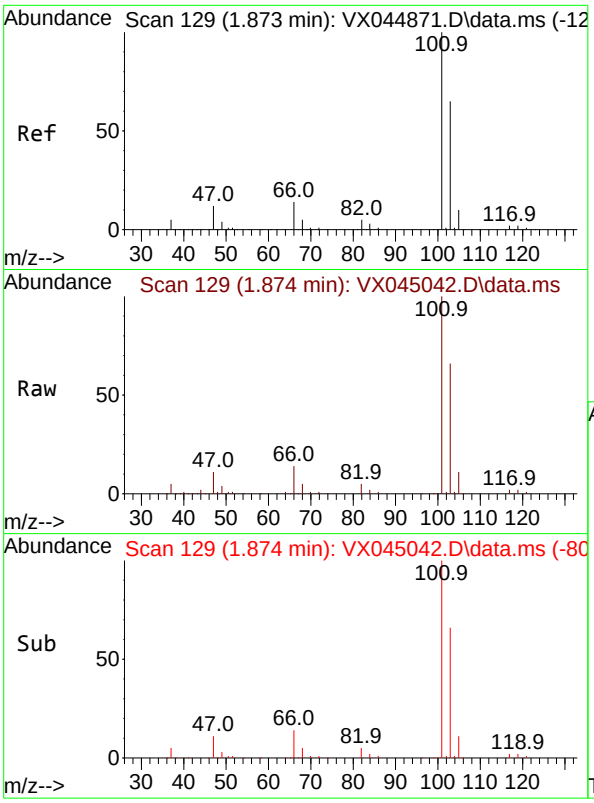


#6
Chloroethane
Concen: 65.667 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 64 Resp: 40050

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.9	38.9



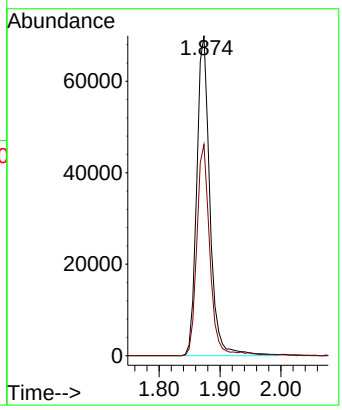


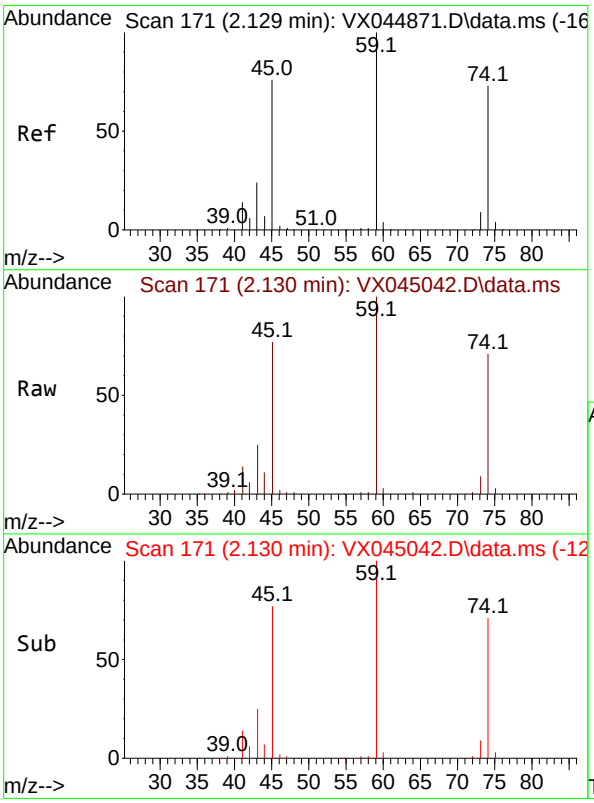
#7
Trichlorofluoromethane
Concen: 49.402 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 104892

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.4	78.6

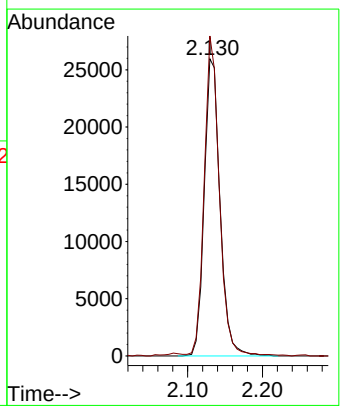


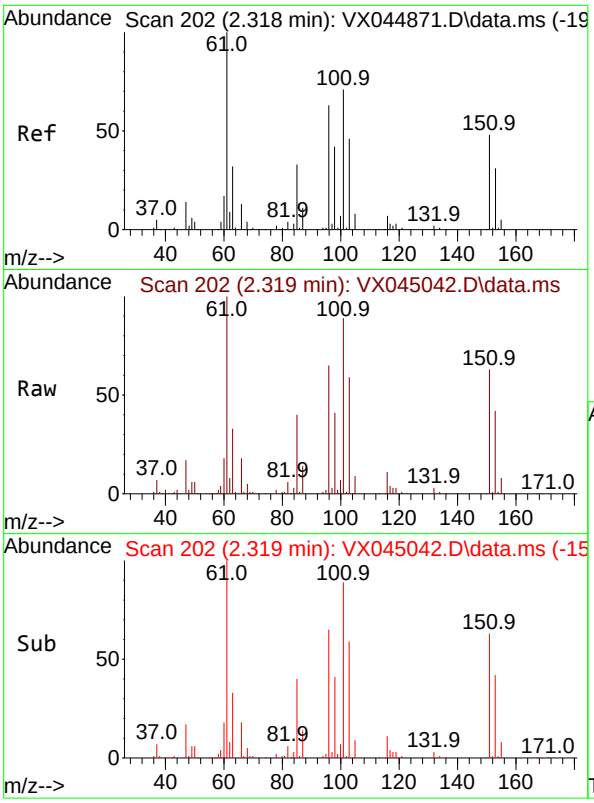


#8
Diethyl Ether
Concen: 49.451 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 74 Resp: 38078

Ion	Ratio	Lower	Upper
74	100		
45	103.7	51.1	153.4



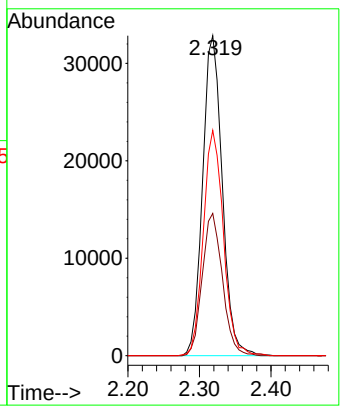


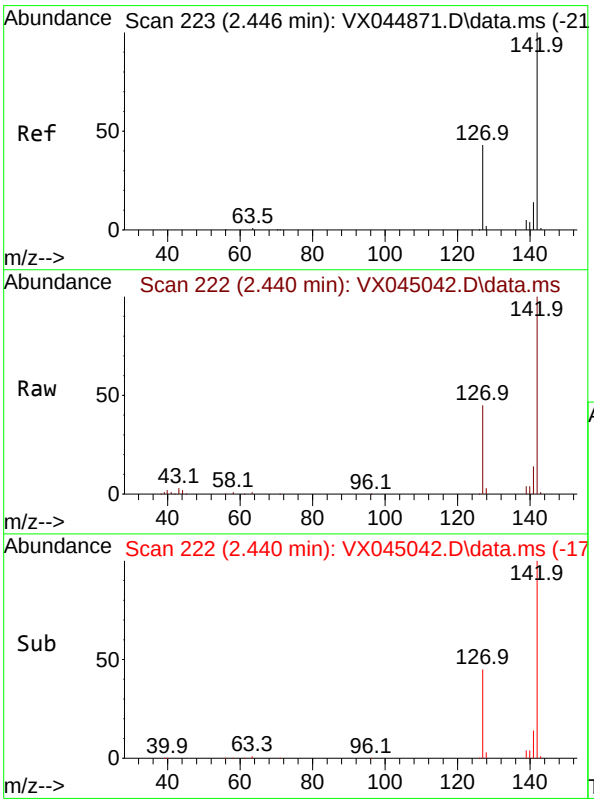
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.918 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 62754

Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.7	53.5
151	71.9	56.0	84.0

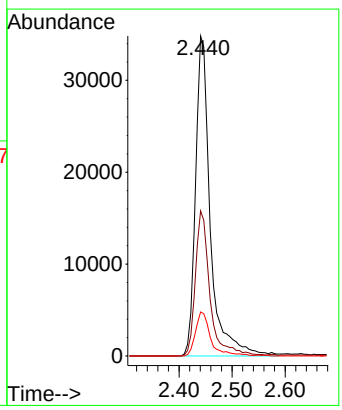


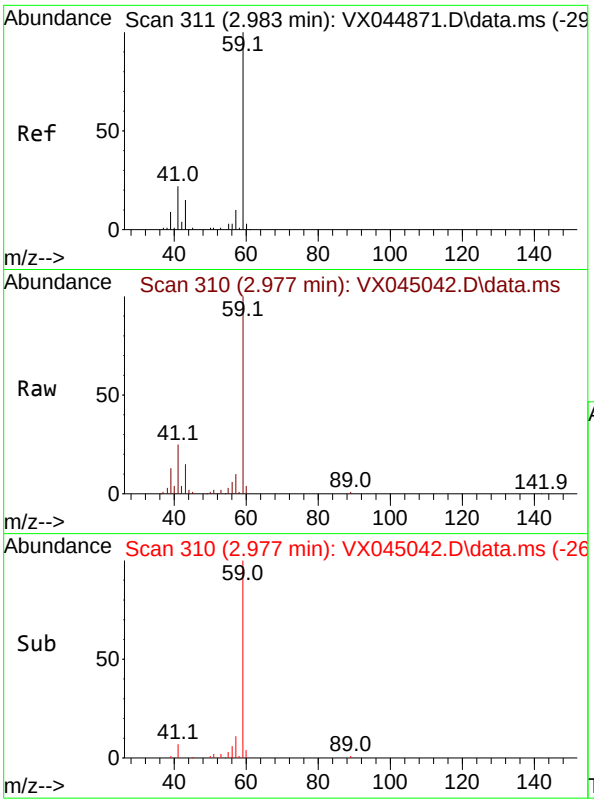


#10
Methyl Iodide
Concen: 40.700 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:142 Resp: 67667

Ion	Ratio	Lower	Upper
142	100		
127	44.7	34.3	51.5
141	14.1	11.4	17.2



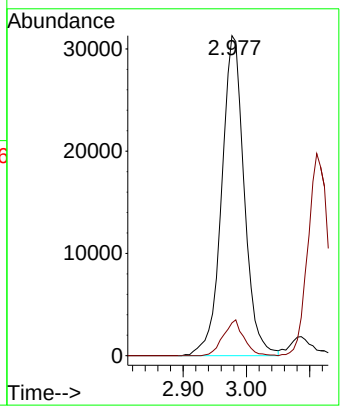


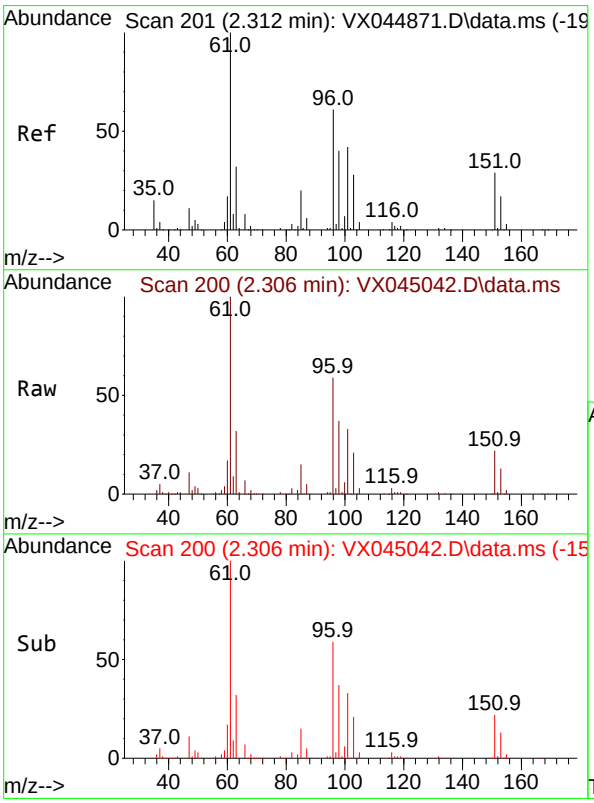
#11
Tert butyl alcohol
Concen: 281.037 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 77483

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

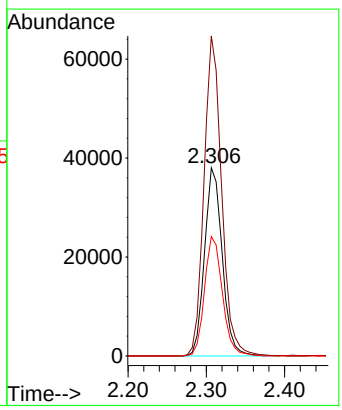


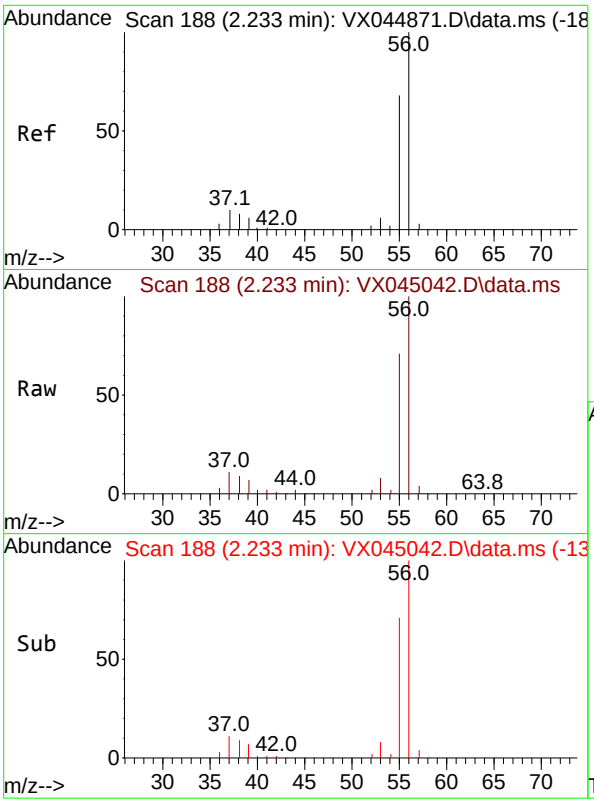


#12
1,1-Dichloroethene
Concen: 45.588 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 96 Resp: 59655

Ion	Ratio	Lower	Upper
96	100		
61	170.1	130.2	195.4
98	63.4	52.2	78.4



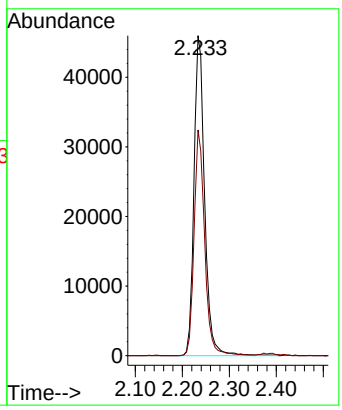


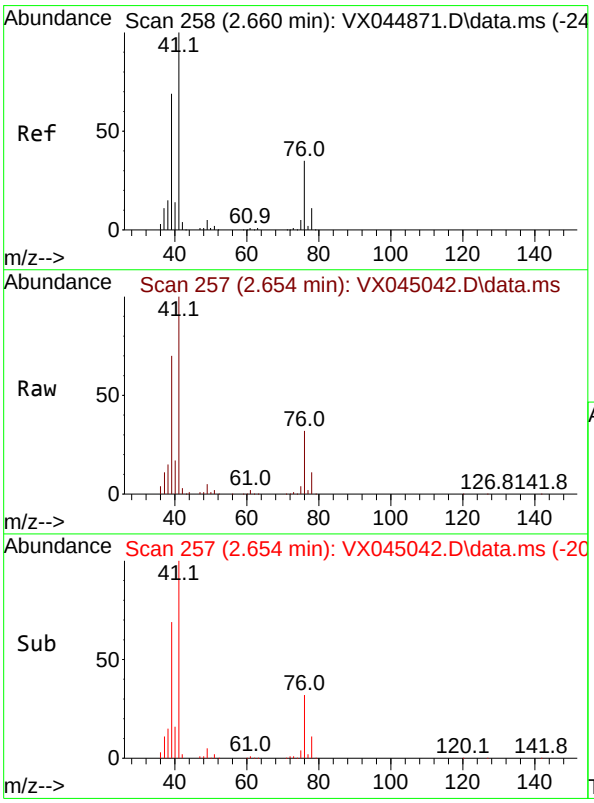
#13
Acrolein
Concen: 255.616 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 72712

Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.7	83.5

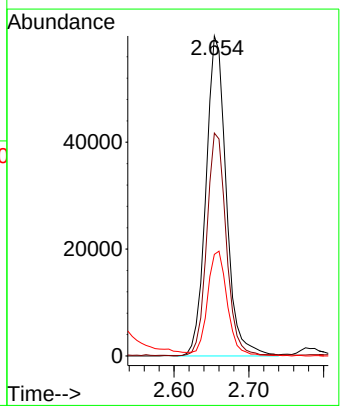


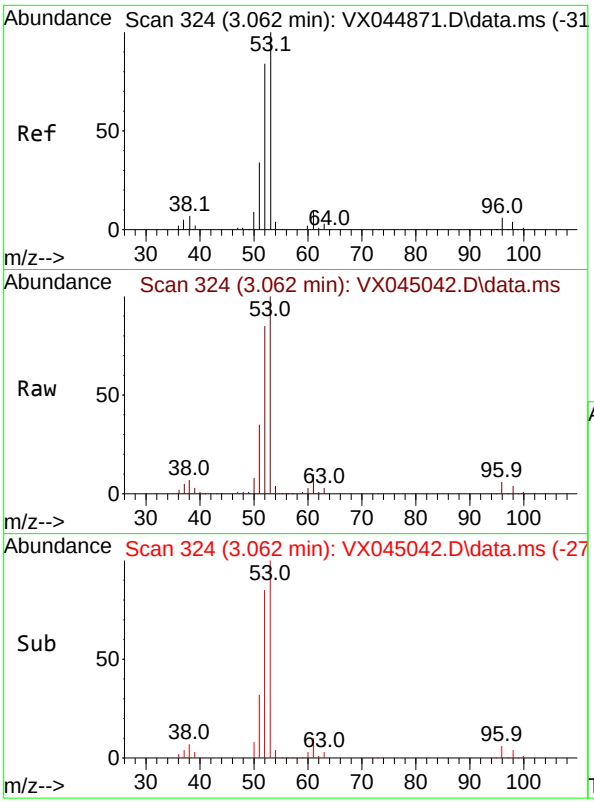


#14
Allyl chloride
Concen: 47.898 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 41 Resp: 113275

Ion	Ratio	Lower	Upper
41	100		
39	66.5	51.4	77.2
76	32.2	27.0	40.4



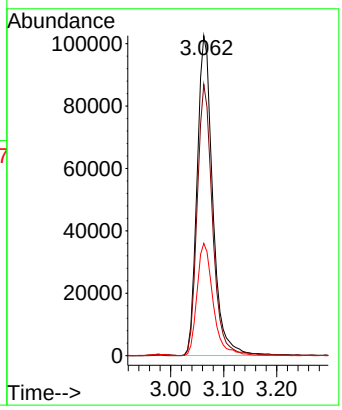


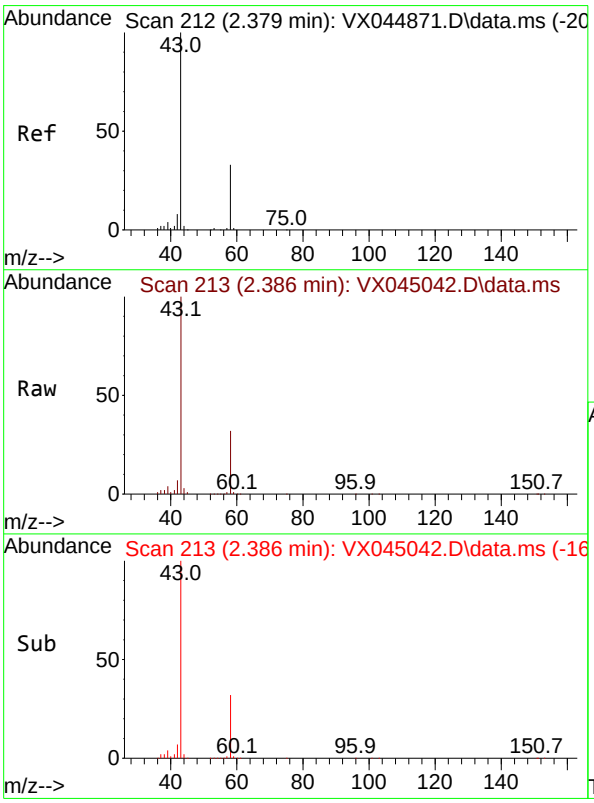
#15
Acrylonitrile
Concen: 285.568 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 210213

Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.0	97.6
51	36.4	28.0	42.0

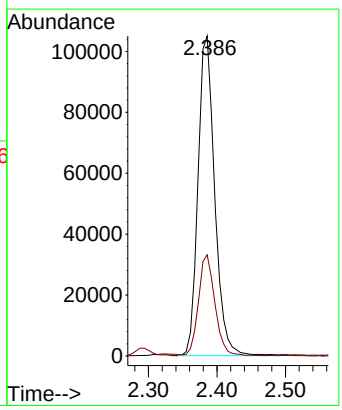


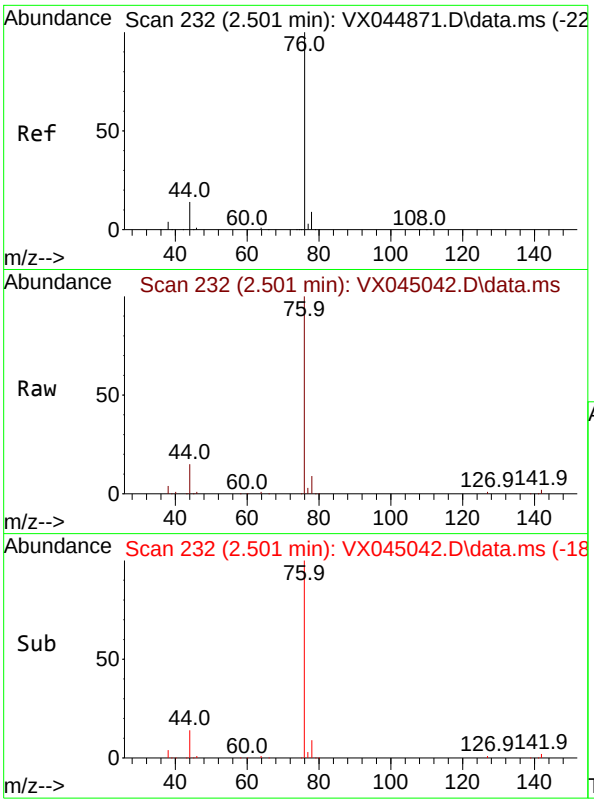


#16
Acetone
Concen: 298.382 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 178266

Ion	Ratio	Lower	Upper
43	100		
58	31.5	26.5	39.7



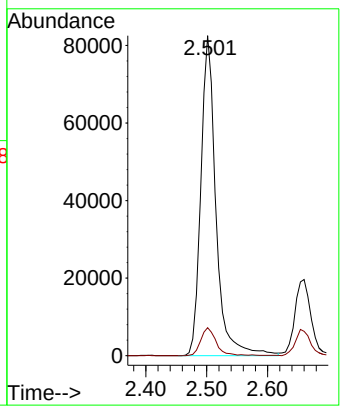


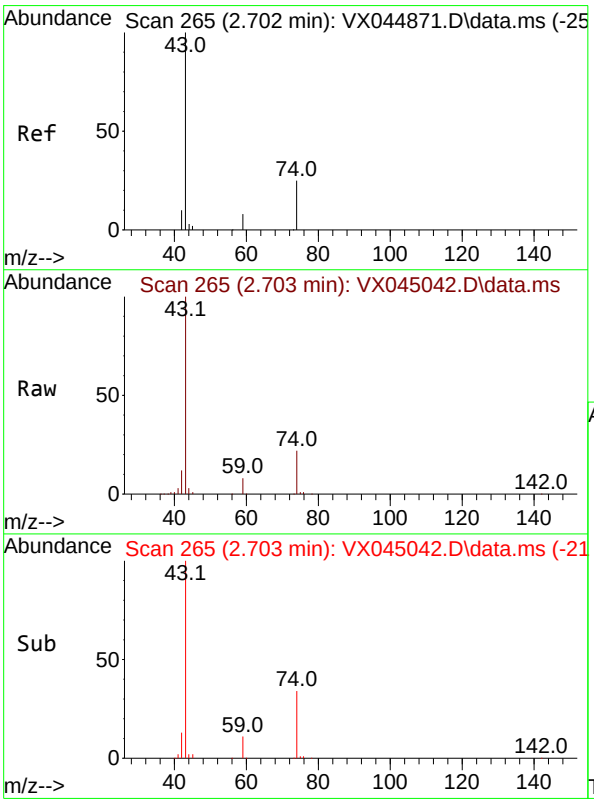
#17
Carbon Disulfide
Concen: 39.728 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 142557

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

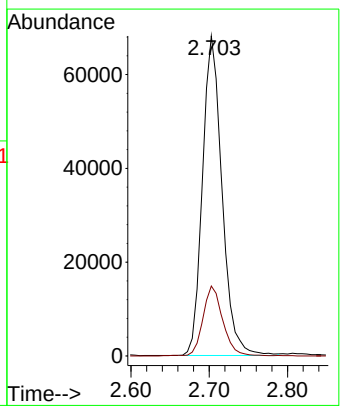


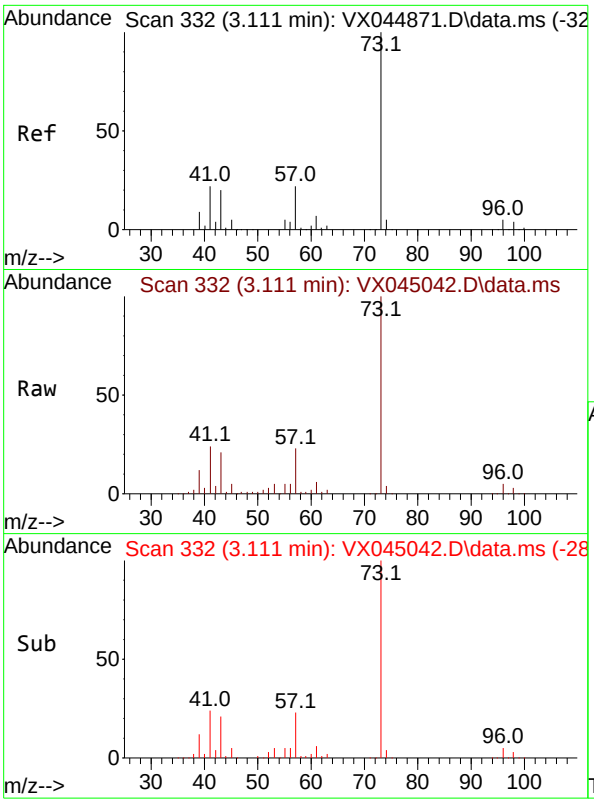


#18
Methyl Acetate
Concen: 62.739 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 118283

Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.9	28.3



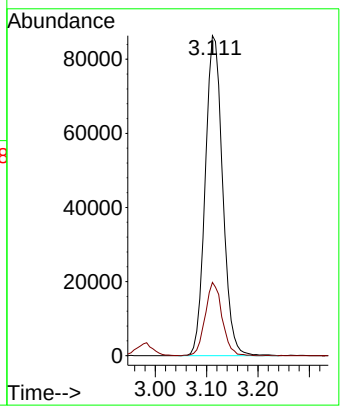


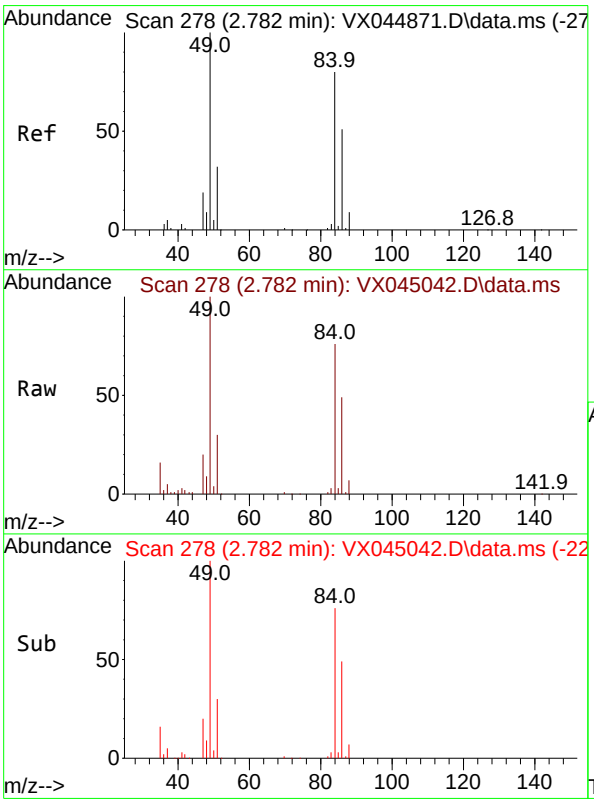
#19
Methyl tert-butyl Ether
Concen: 48.753 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 202983

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.9	26.9

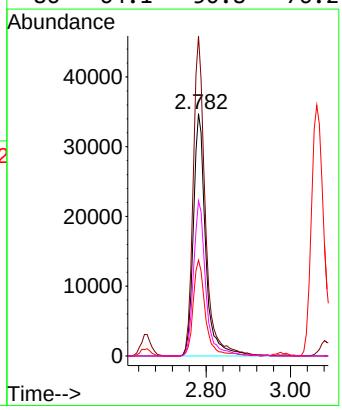


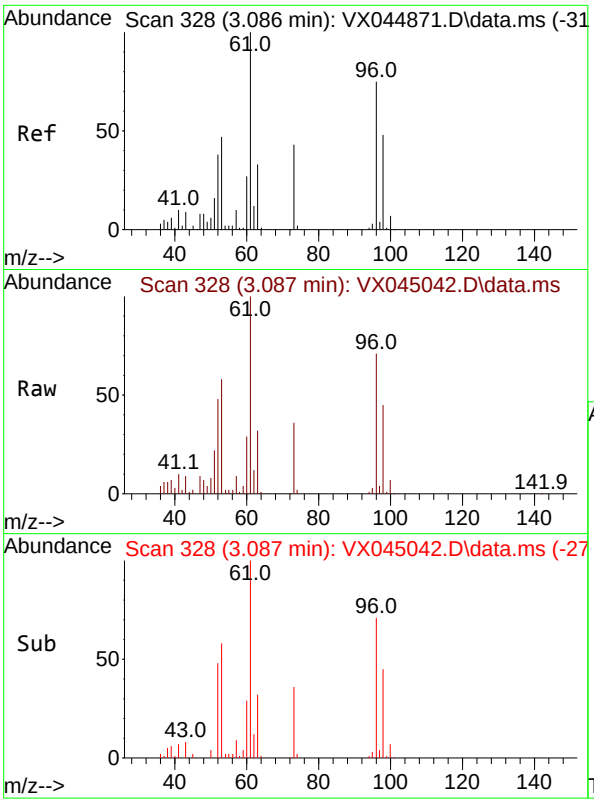


#20
Methylene Chloride
Concen: 48.077 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 84 Resp: 70354

Ion	Ratio	Lower	Upper
84	100		
49	132.1	100.1	150.1
51	39.6	31.7	47.5
86	64.1	50.8	76.2



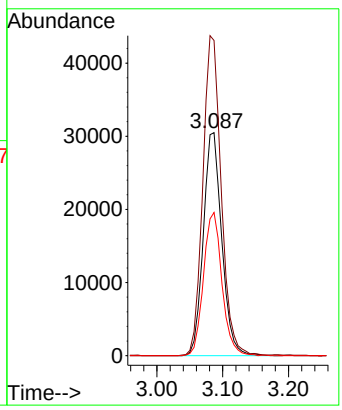


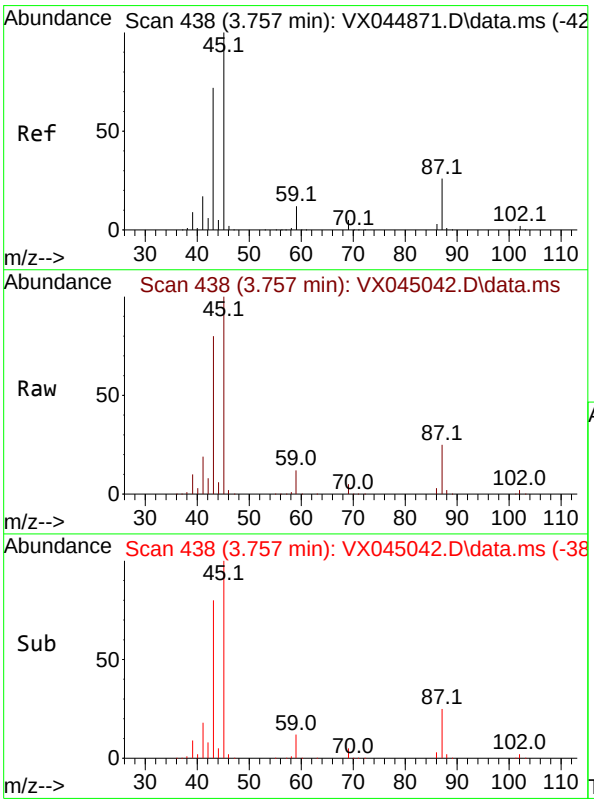
#21
trans-1,2-Dichloroethene
Concen: 46.216 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 59522

Ion	Ratio	Lower	Upper
96	100		
61	141.3	106.0	159.0
98	64.2	50.6	76.0

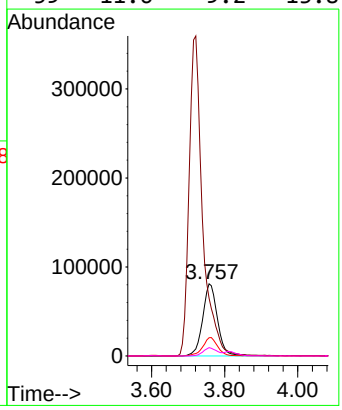


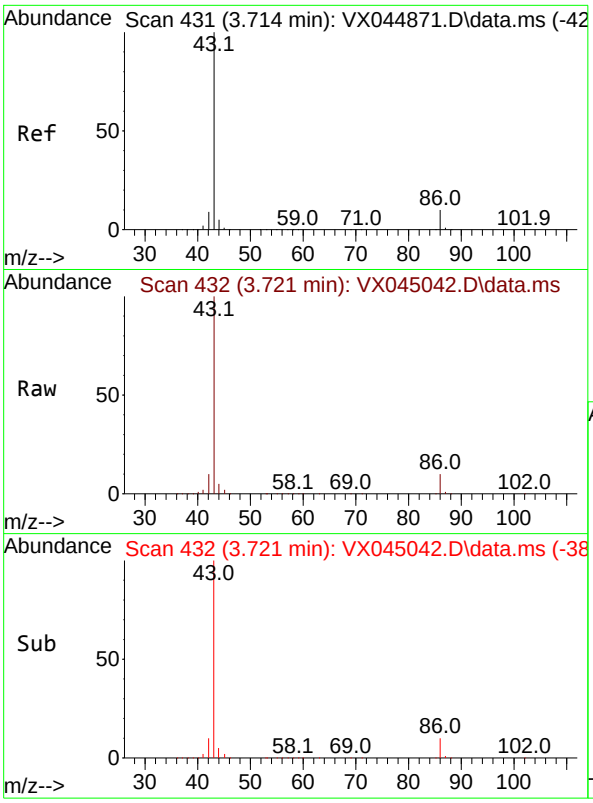


#22
Diisopropyl ether
Concen: 50.838 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 45 Resp: 227456

Ion	Ratio	Lower	Upper
45	100		
43	79.6	58.0	87.0
87	25.2	20.7	31.1
59	11.6	9.2	13.8



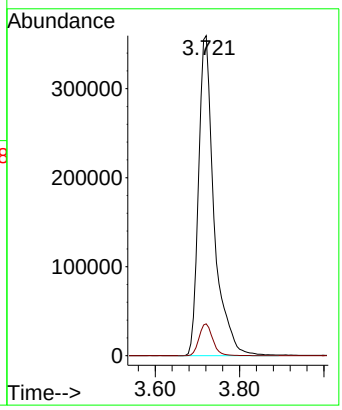


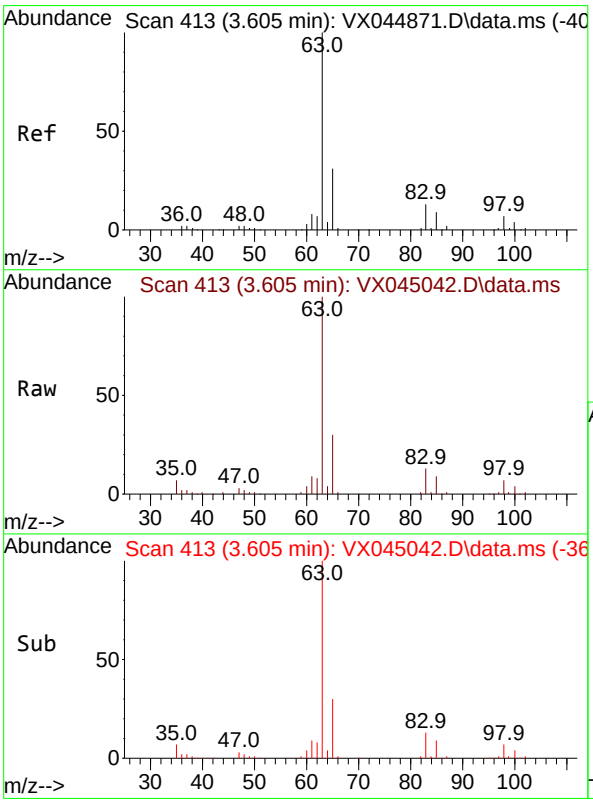
#23
Vinyl Acetate
Concen: 253.291 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 923900

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.3	12.5

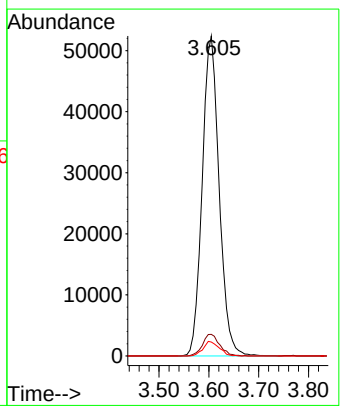


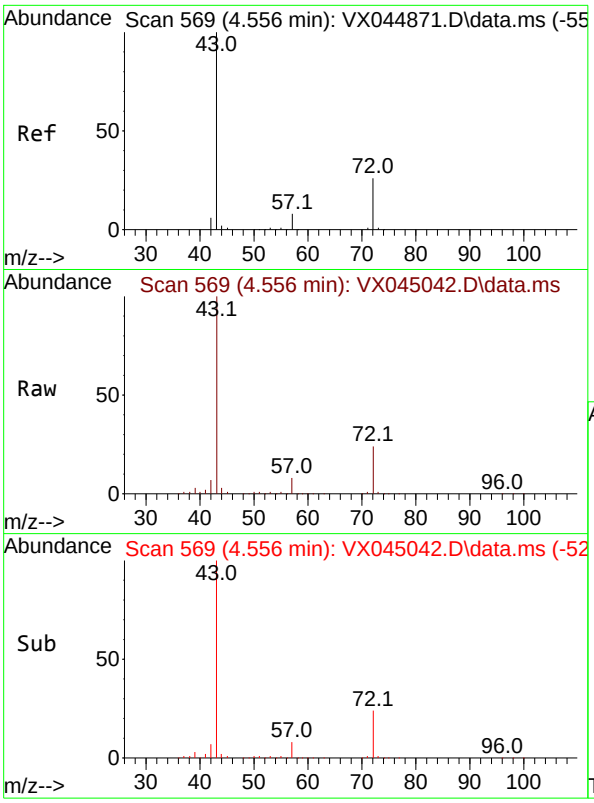


#24
1,1-Dichloroethane
Concen: 49.371 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 63 Resp: 123599

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.3	9.9
100	4.4	2.1	6.5



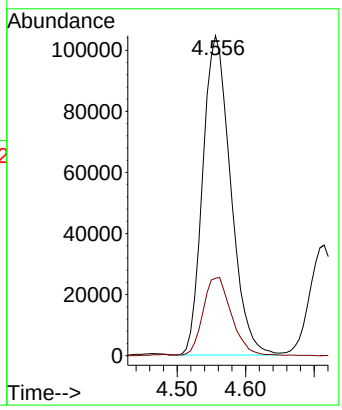


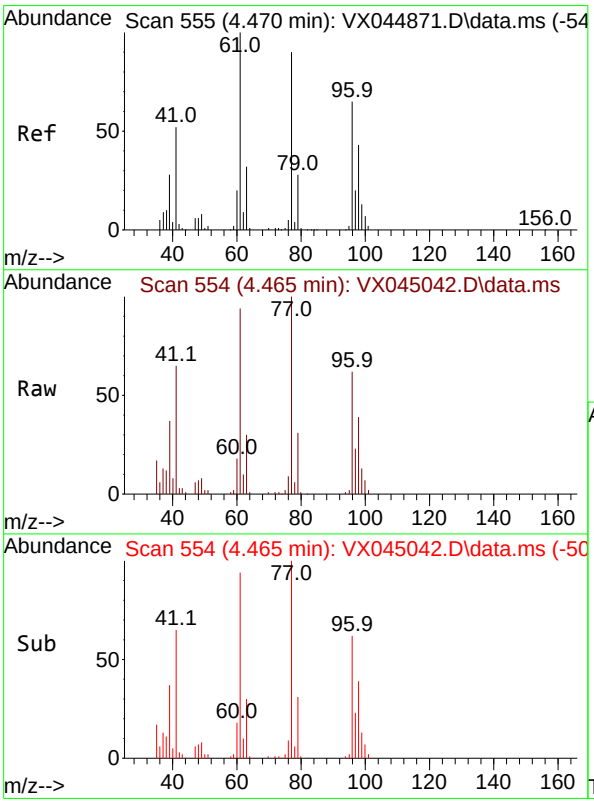
#25
2-Butanone
Concen: 304.657 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 295559

Ion	Ratio	Lower	Upper
43	100		
72	24.0	21.2	31.8

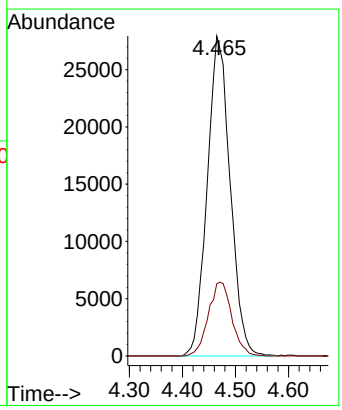


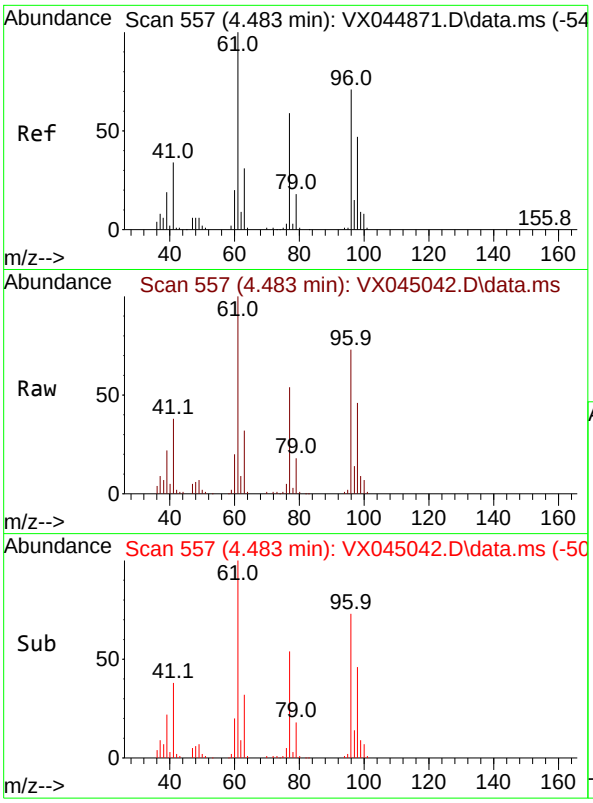


#26
2,2-Dichloropropane
Concen: 42.253 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 77 Resp: 83886

Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.8	35.3



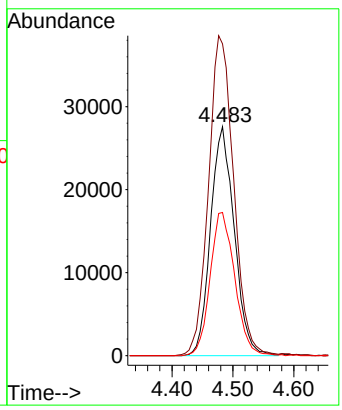


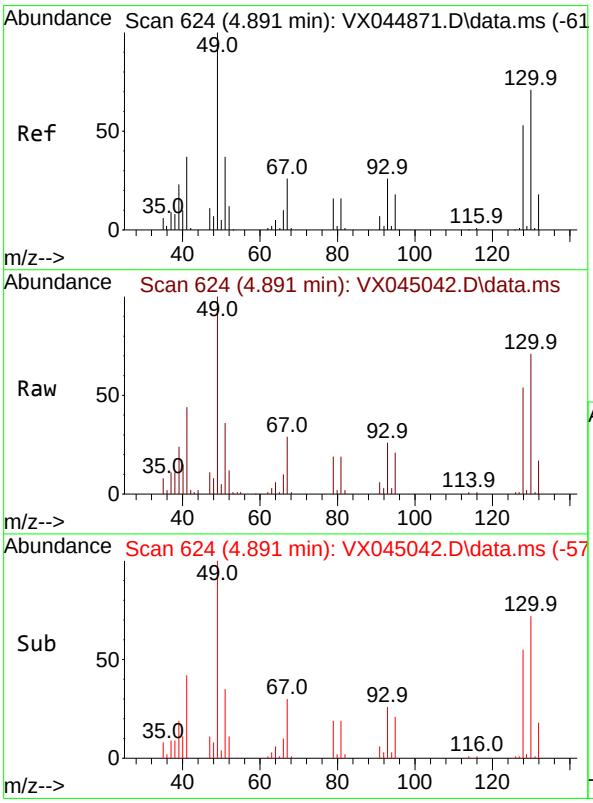
#27
cis-1,2-Dichloroethene
Concen: 48.253 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 74648

Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	294.0
98	65.0	0.0	131.2

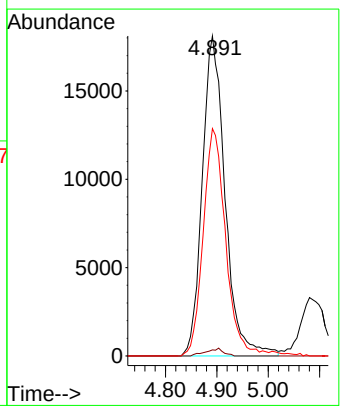


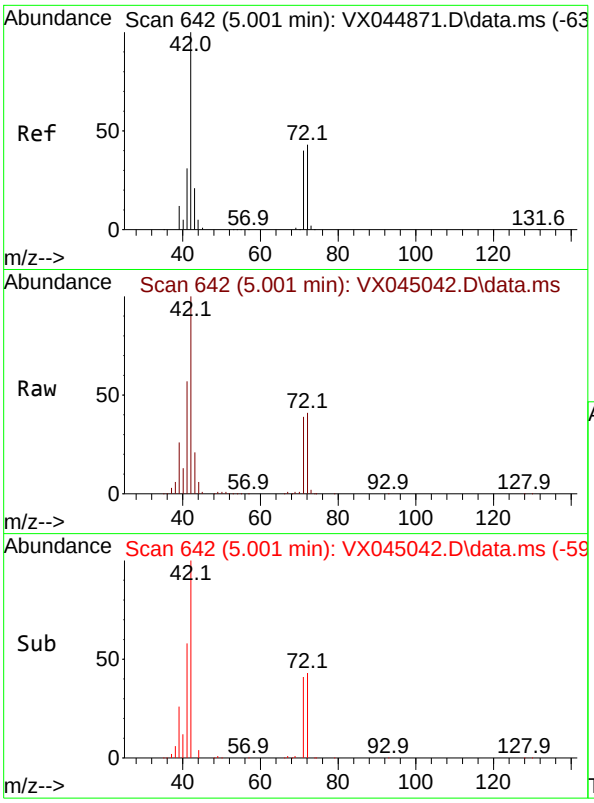


#28
Bromochloromethane
Concen: 46.355 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 49 Resp: 55770

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.8	56.7	85.1



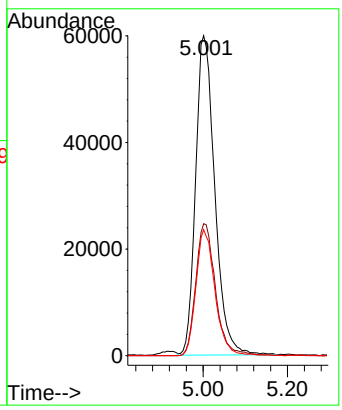


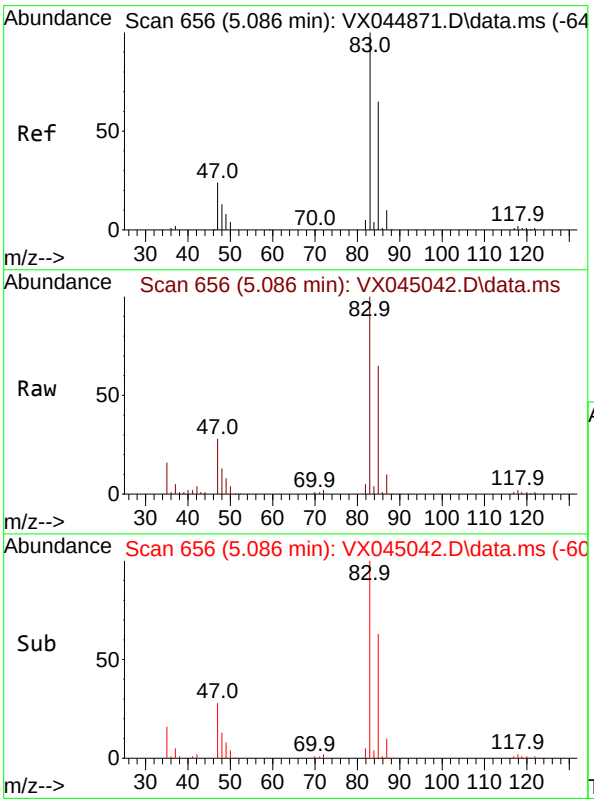
#29
Tetrahydrofuran
Concen: 294.997 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 190035

Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.0	52.4
71	39.1	32.6	48.8

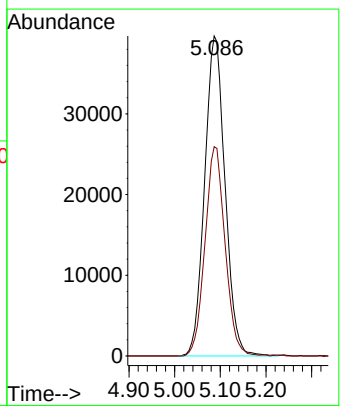


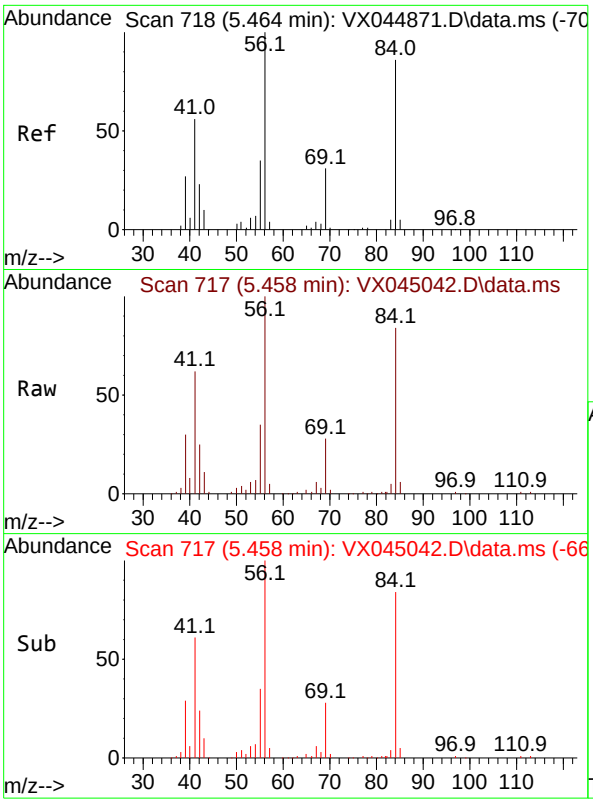


#30
Chloroform
Concen: 50.613 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 83 Resp: 122880

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.1	78.1



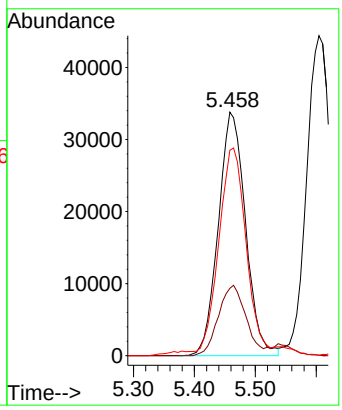


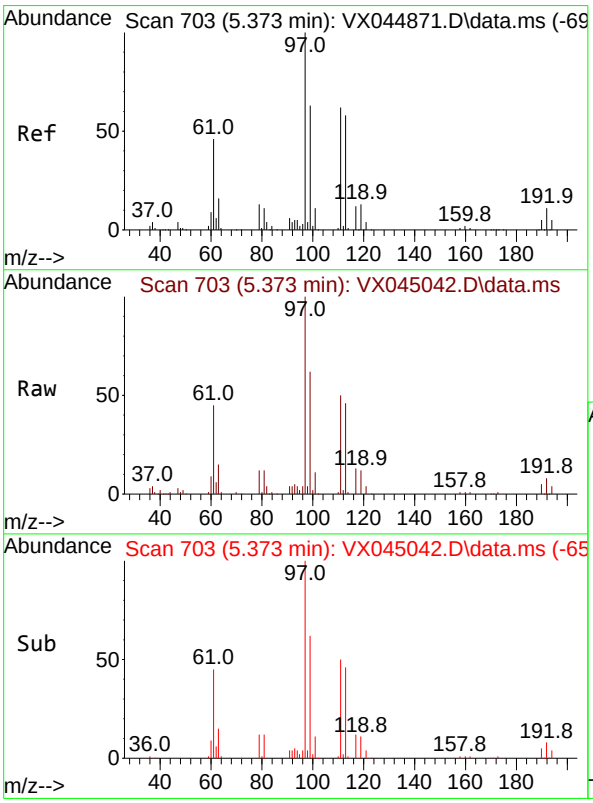
#31
Cyclohexane
Concen: 45.441 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 104875

Ion	Ratio	Lower	Upper
56	100		
69	27.7	24.4	36.6
84	83.0	69.0	103.6

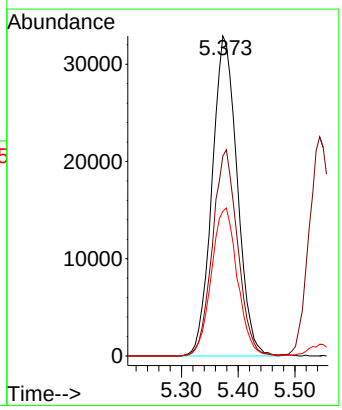


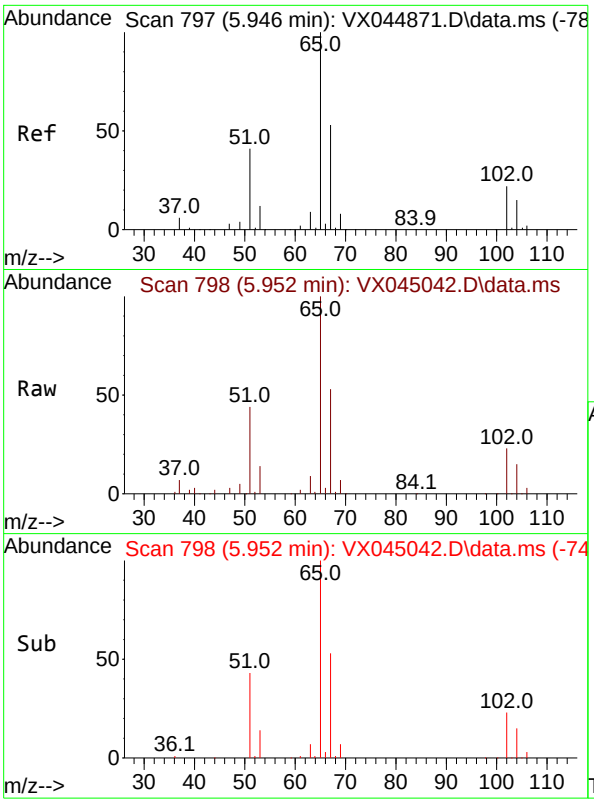


#32
1,1,1-Trichloroethane
Concen: 49.259 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 97 Resp: 101440

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	48.0	36.6	55.0



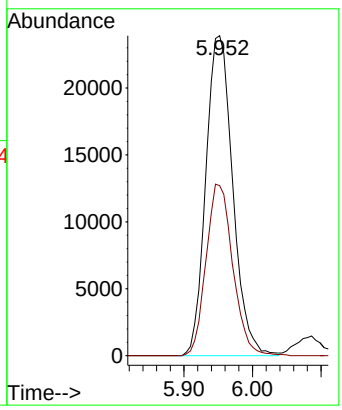


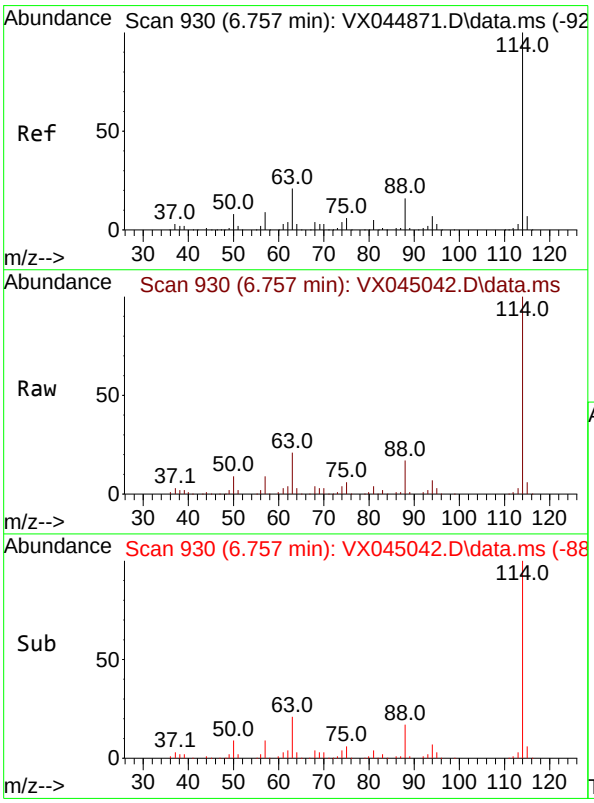
#33
1,2-Dichloroethane-d4
Concen: 43.914 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 65263

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.2

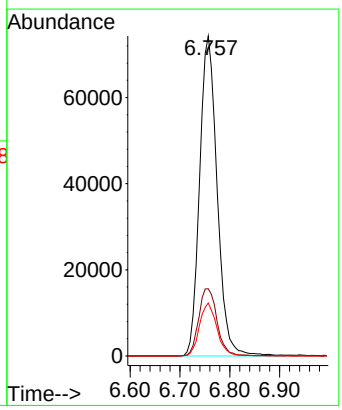


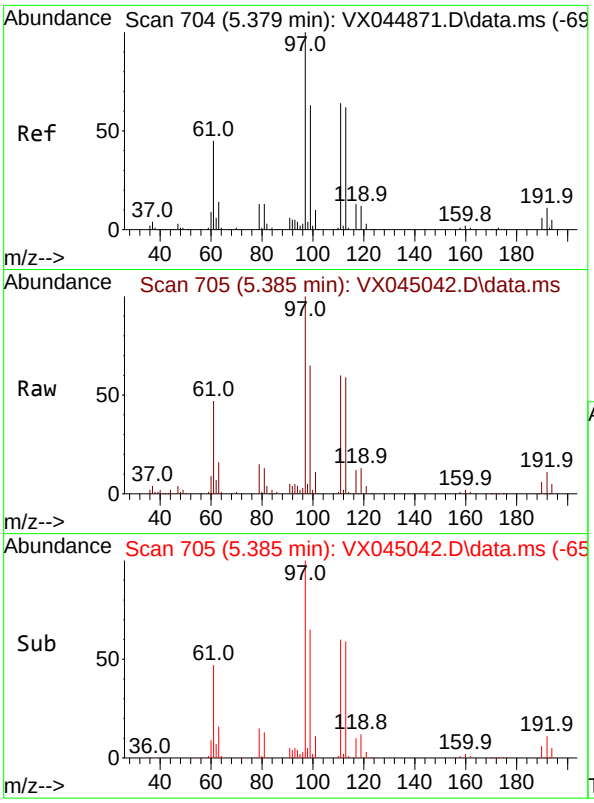


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:114 Resp: 181291

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.4
88	16.6	0.0	31.4



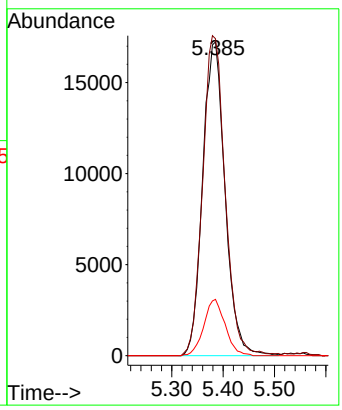


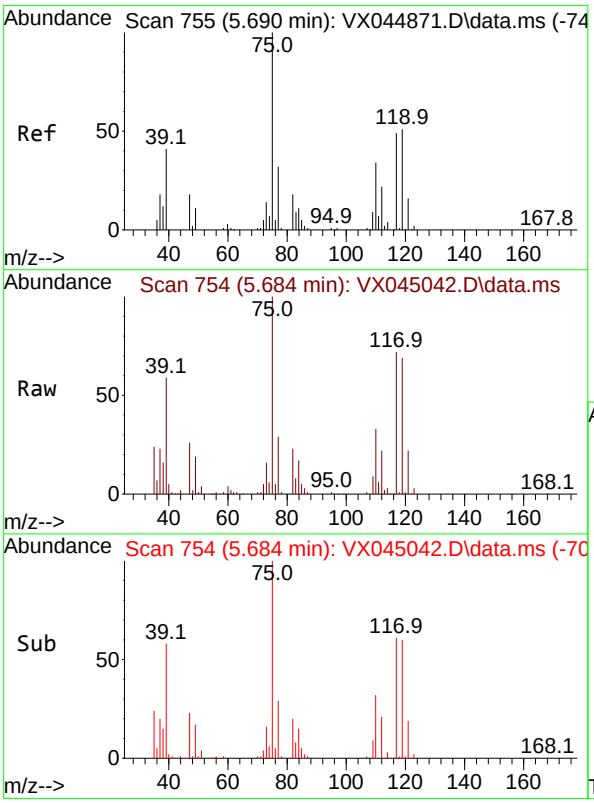
#35
Dibromofluoromethane
Concen: 44.160 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 52051

Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.5	125.3
192	17.1	14.4	21.6

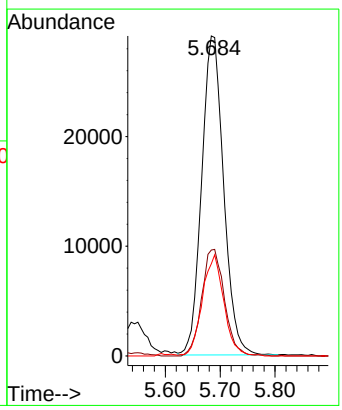


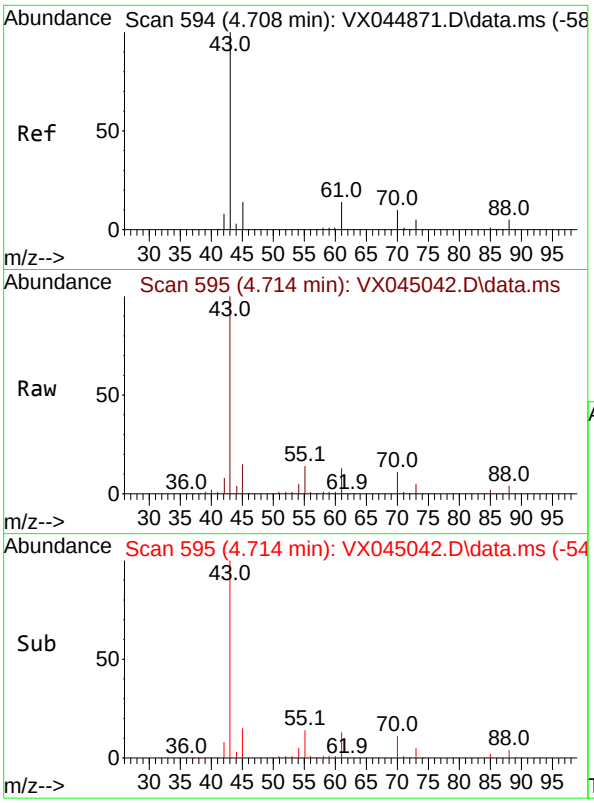


#36
1,1-Dichloropropene
Concen: 47.660 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 81048

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.2	51.6
77	31.1	24.6	37.0



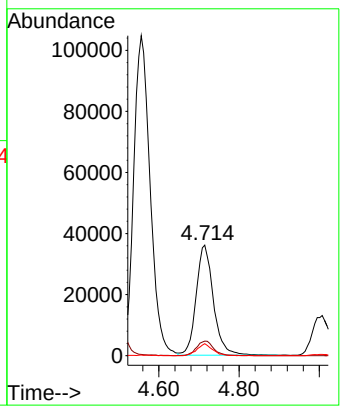


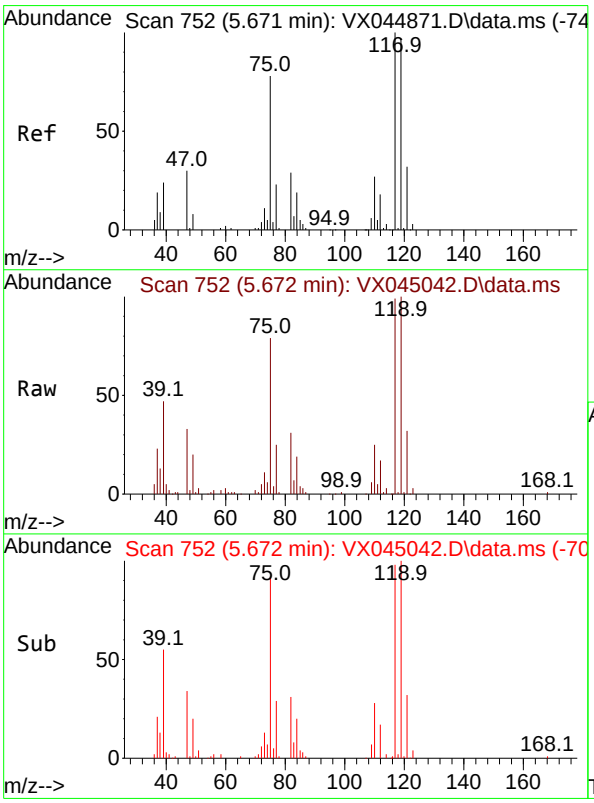
#37
Ethyl Acetate
Concen: 57.029 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 107870

Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	9.8	8.2	12.2

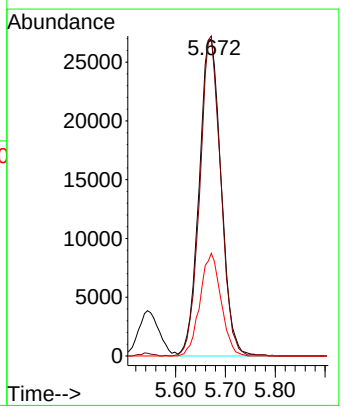


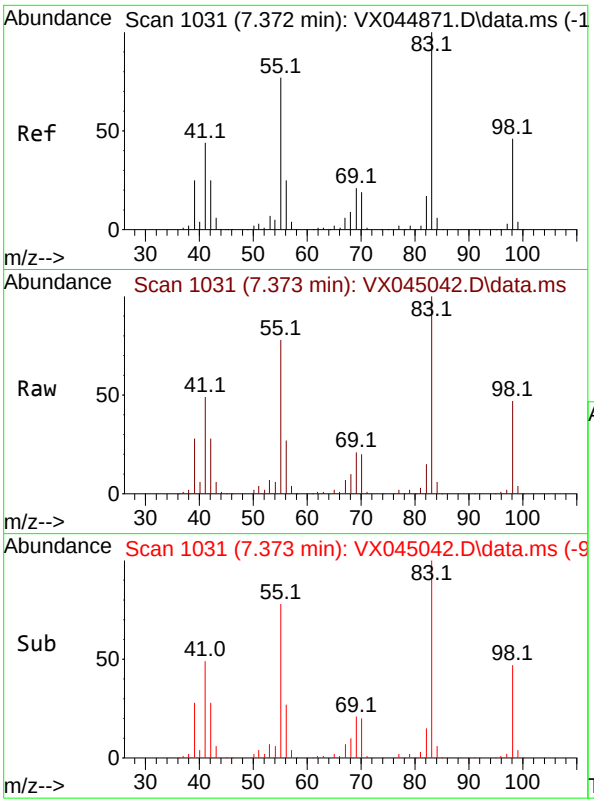


#38
Carbon Tetrachloride
Concen: 49.565 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:117 Resp: 82597

Ion	Ratio	Lower	Upper
117	100		
119	101.0	77.5	116.3
121	32.4	25.6	38.4



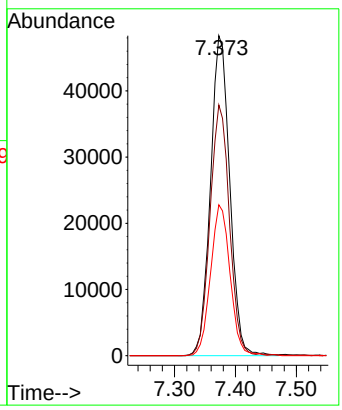


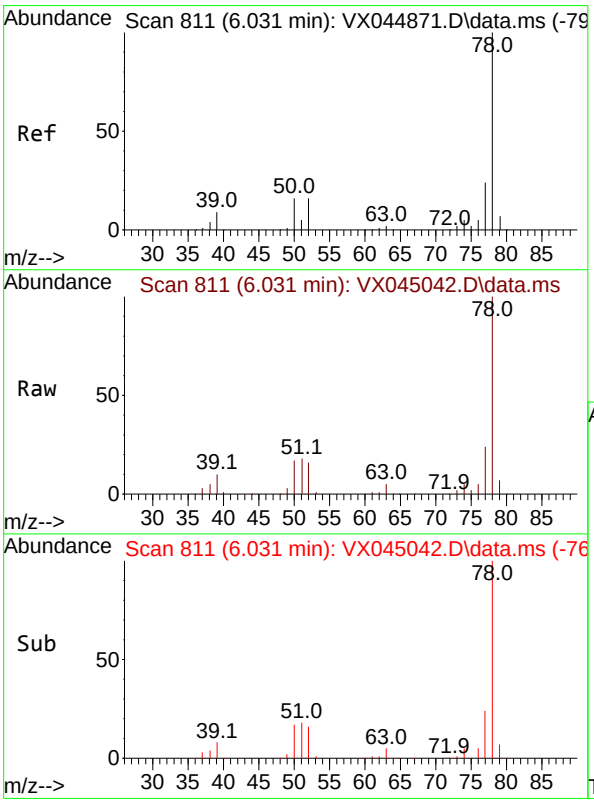
#39
Methylcyclohexane
Concen: 48.316 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 106224

Ion	Ratio	Lower	Upper
83	100		
55	78.3	61.3	91.9
98	47.1	37.0	55.6

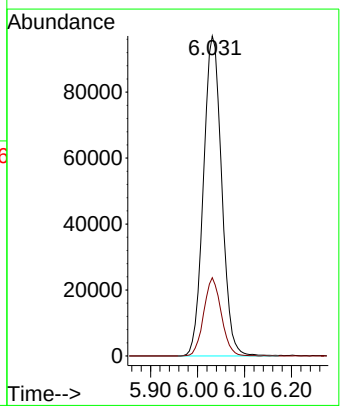


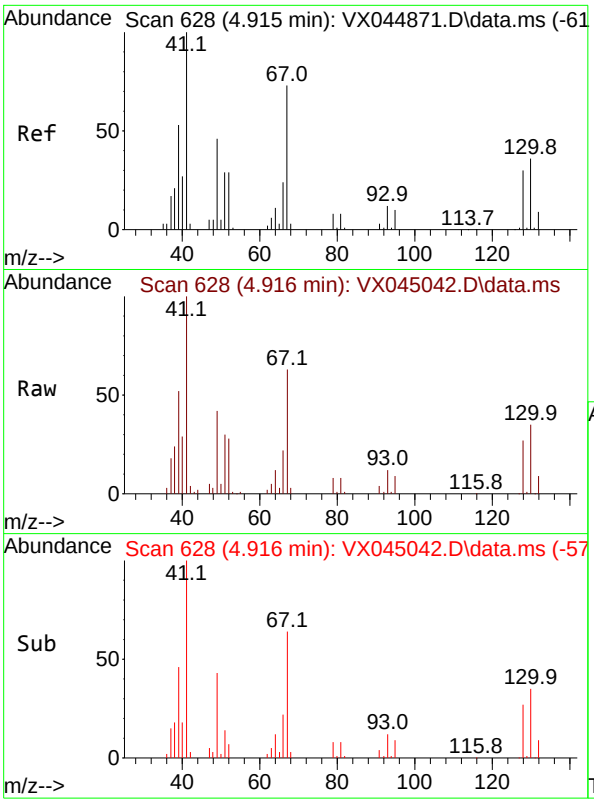


#40
Benzene
Concen: 49.173 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 78 Resp: 261113

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6



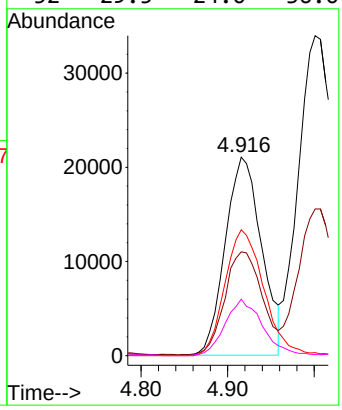


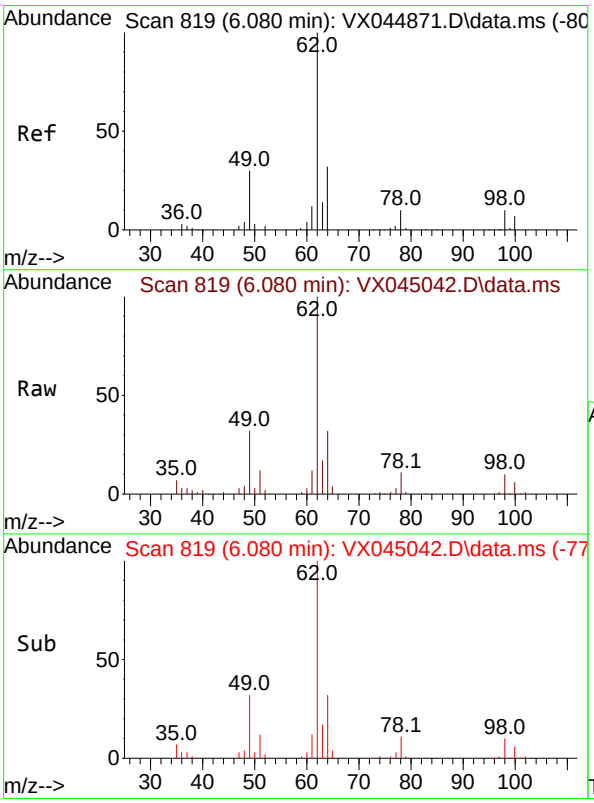
#41
Methacrylonitrile
Concen: 60.575 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 61329

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.1	64.7
67	68.3	57.0	85.6
52	29.5	24.0	36.0

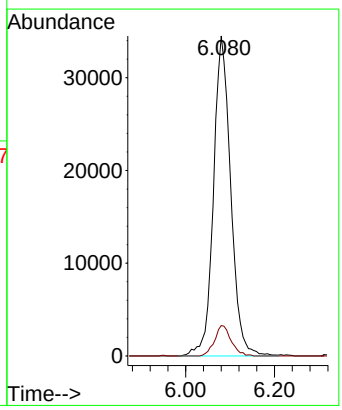


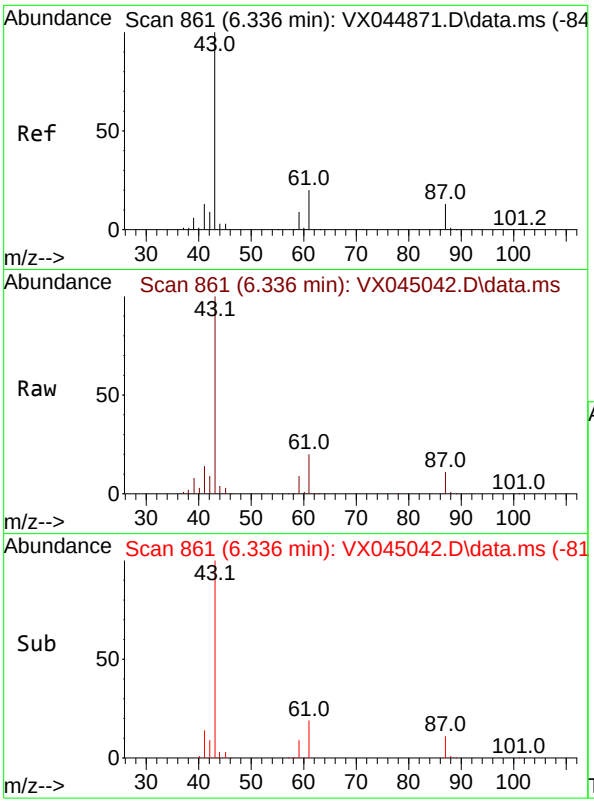


#42
1,2-Dichloroethane
Concen: 54.837 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 62 Resp: 92805

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.4



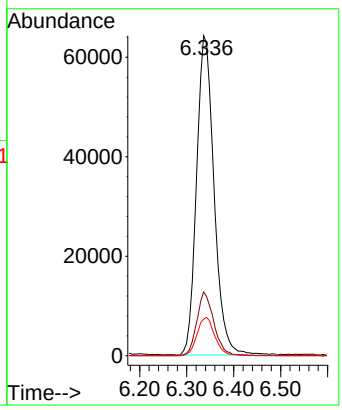


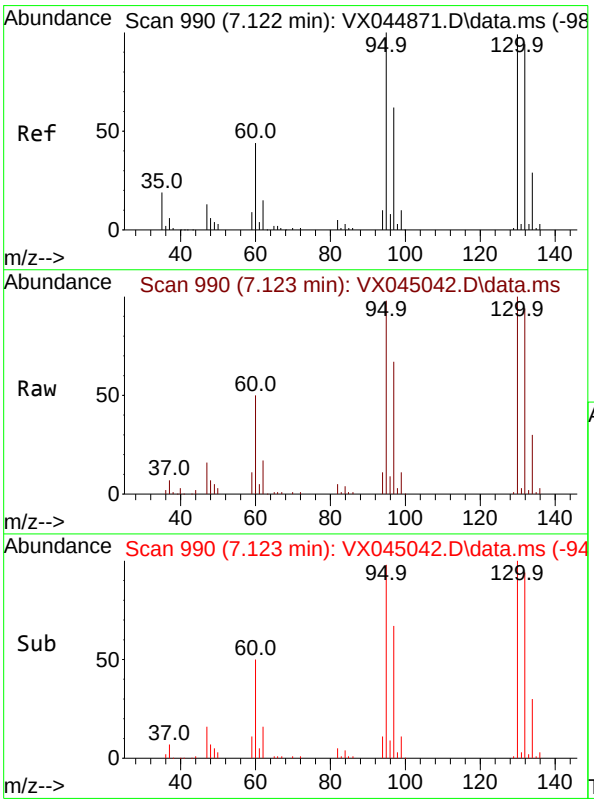
#43
Isopropyl Acetate
Concen: 54.640 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 166895

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.8	23.8
87	12.1	10.0	15.0

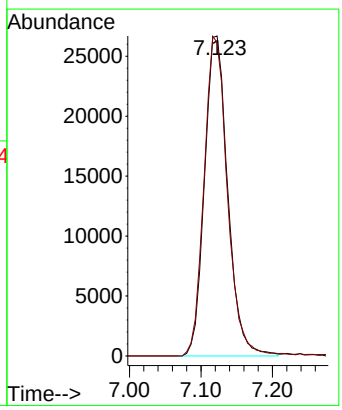


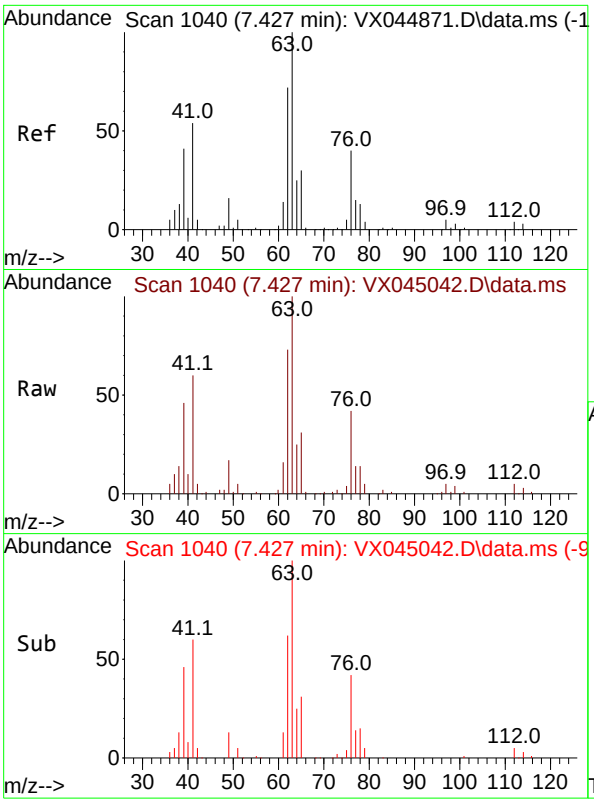


#44
Trichloroethene
Concen: 49.623 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:130 Resp: 60229

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	202.4



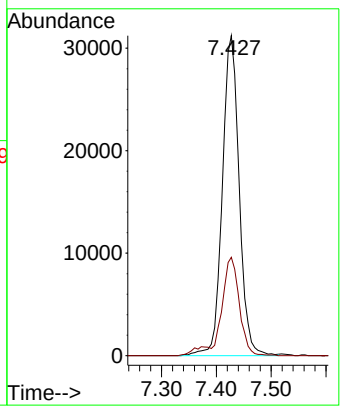


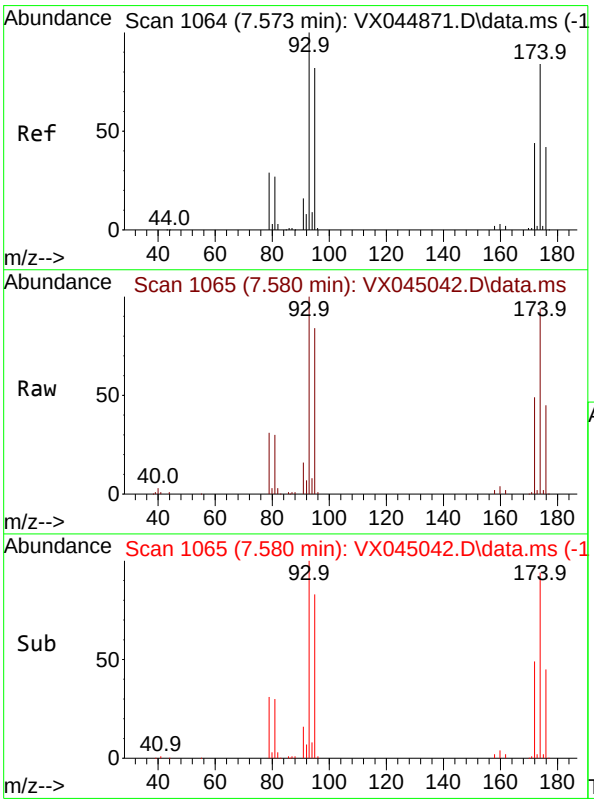
#45
1,2-Dichloropropane
Concen: 50.580 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 66819

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.2	36.4

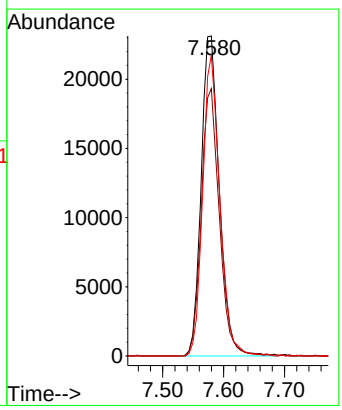


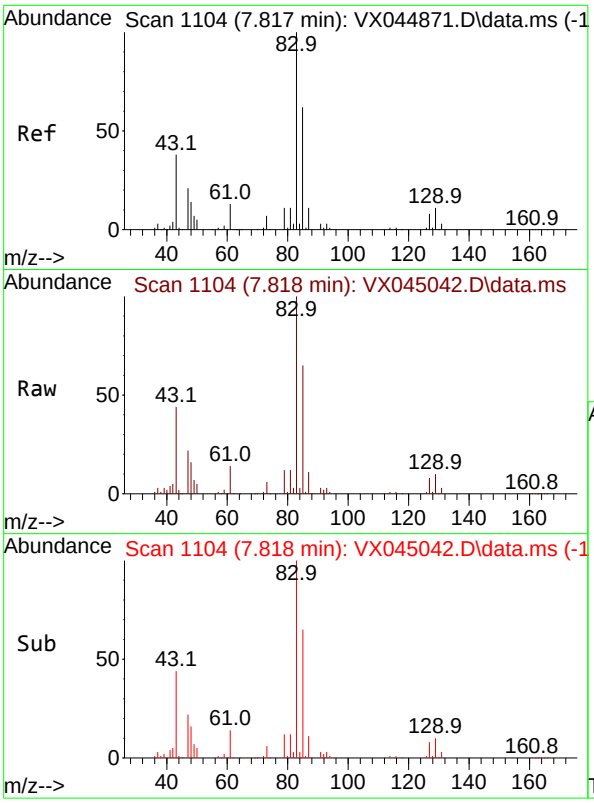


#46
Dibromomethane
Concen: 52.418 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 93 Resp: 48023

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.2	99.4
174	88.8	69.9	104.9



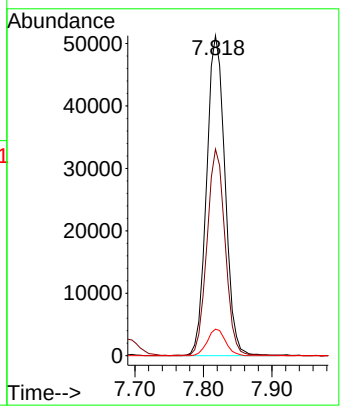


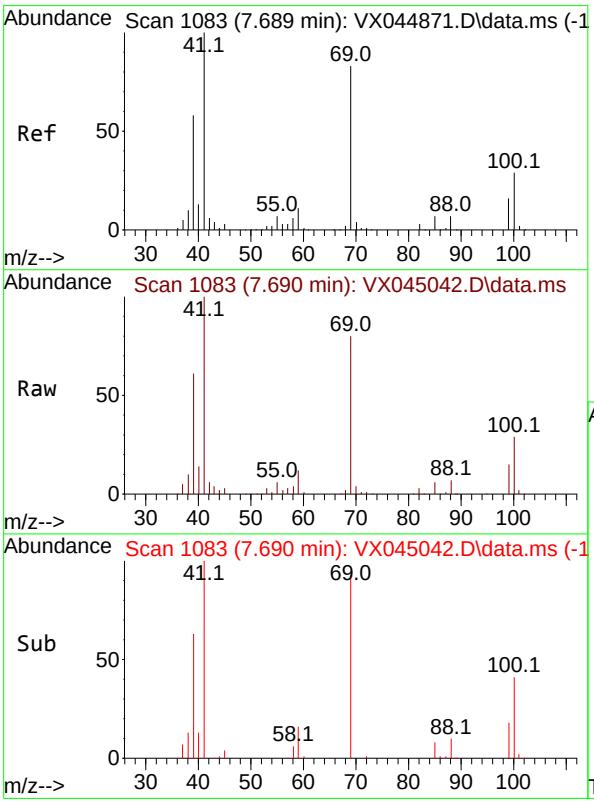
#47
Bromodichloromethane
Concen: 53.860 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 95545

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.0	75.0
127	8.3	6.4	9.6

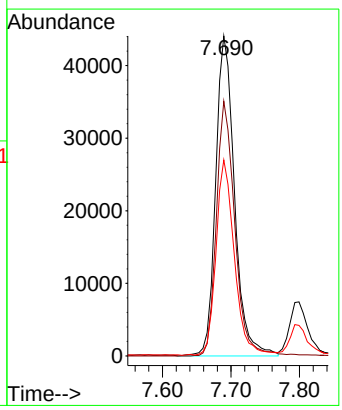


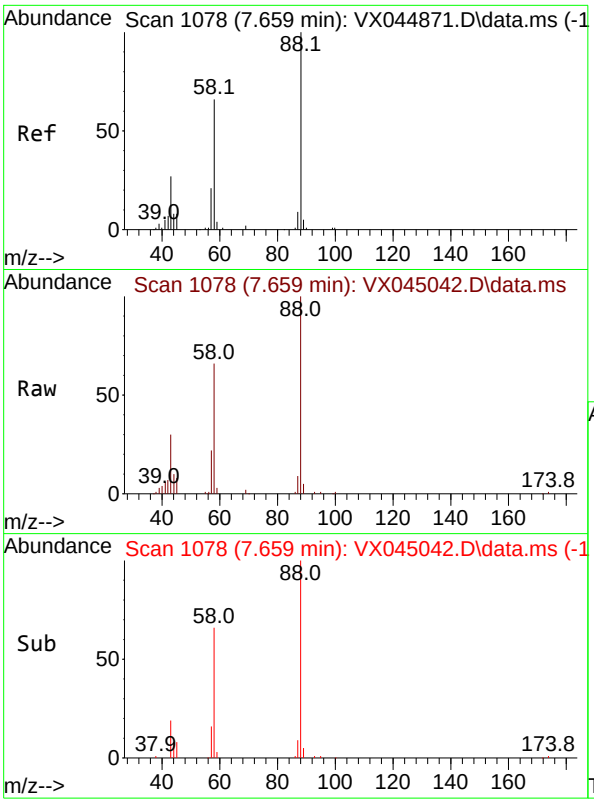


#48
Methyl methacrylate
Concen: 58.478 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 41 Resp: 84221

Ion	Ratio	Lower	Upper
41	100		
69	77.6	65.8	98.8
39	59.4	46.4	69.6



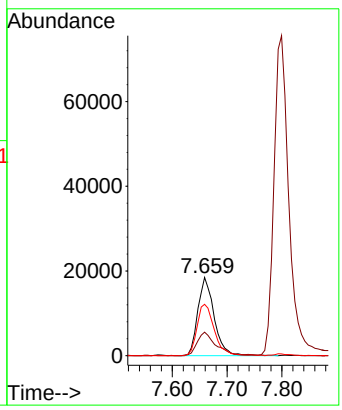


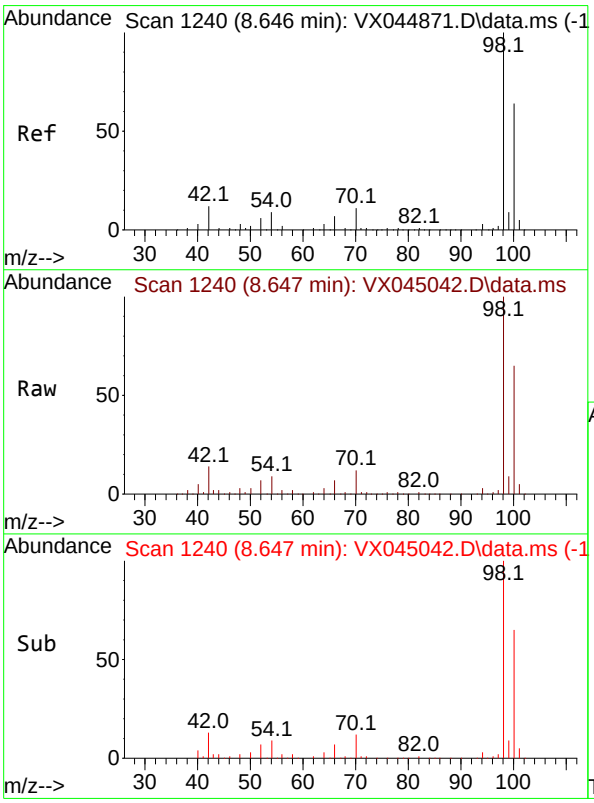
#49
1,4-Dioxane
Concen: 1235.809 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 38186

Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.6	39.8
58	69.1	55.9	83.9

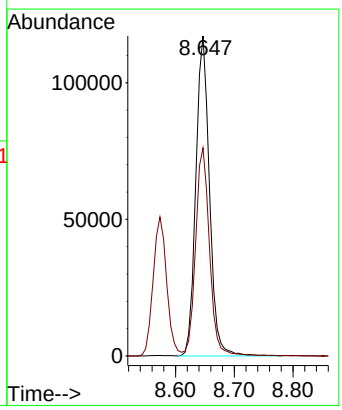


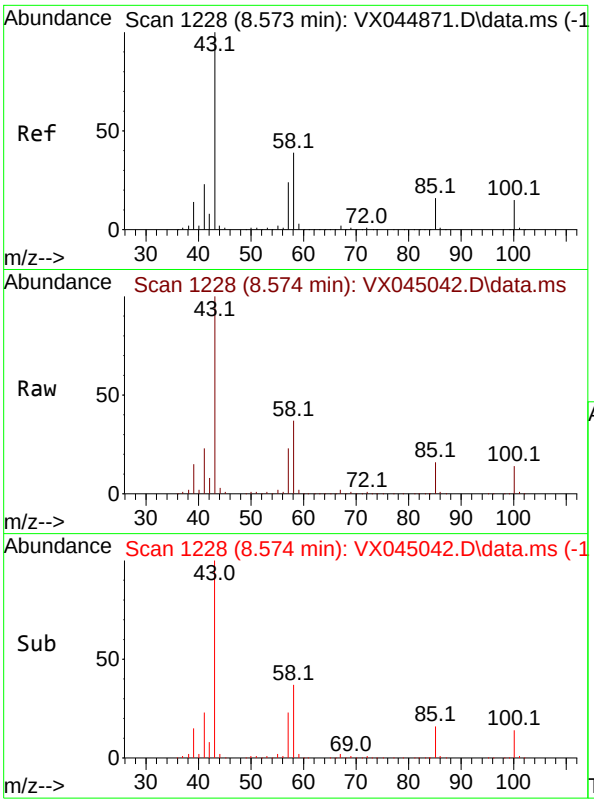


#50
Toluene-d8
Concen: 42.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 98 Resp: 189599

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1



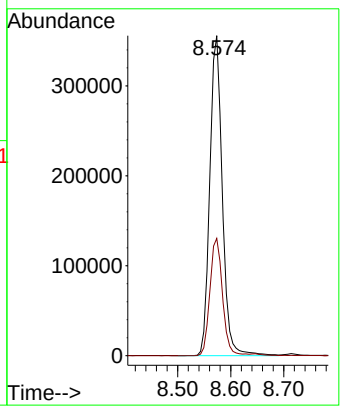


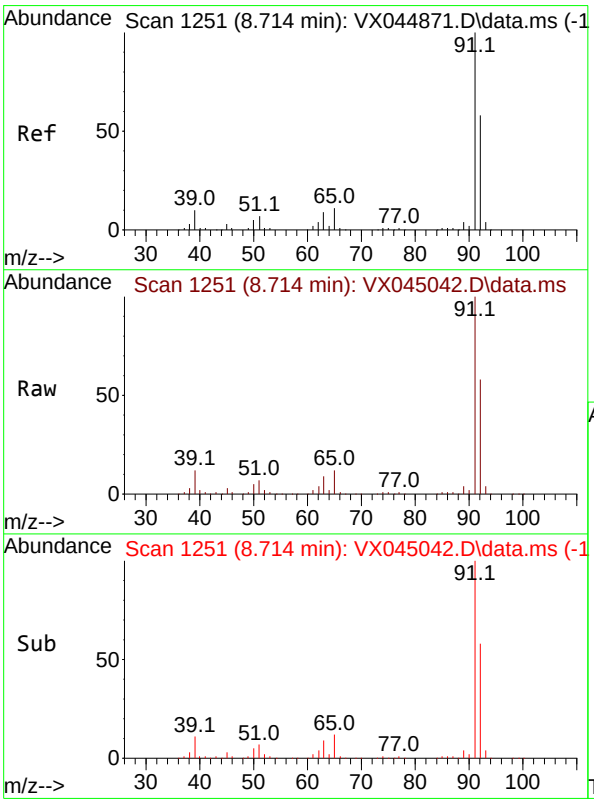
#51
4-Methyl-2-Pentanone
Concen: 314.005 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 583086

Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.8	46.2

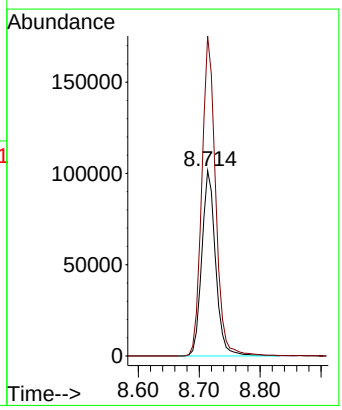


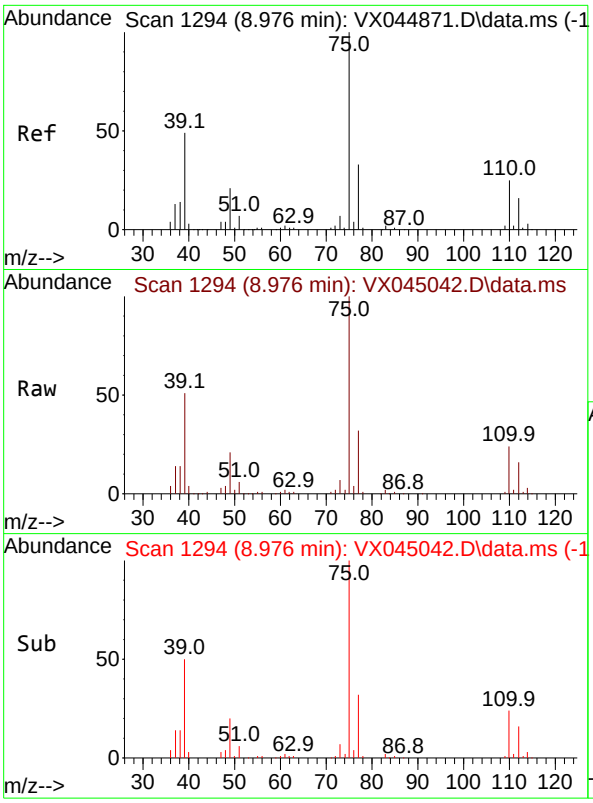


#52
Toluene
Concen: 50.528 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 92 Resp: 159793

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.4	206.2



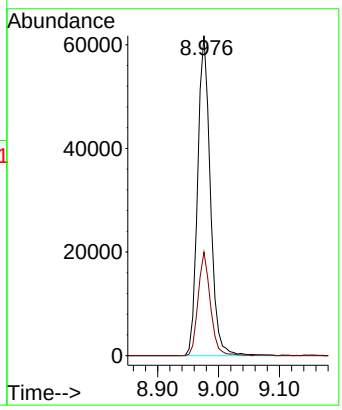


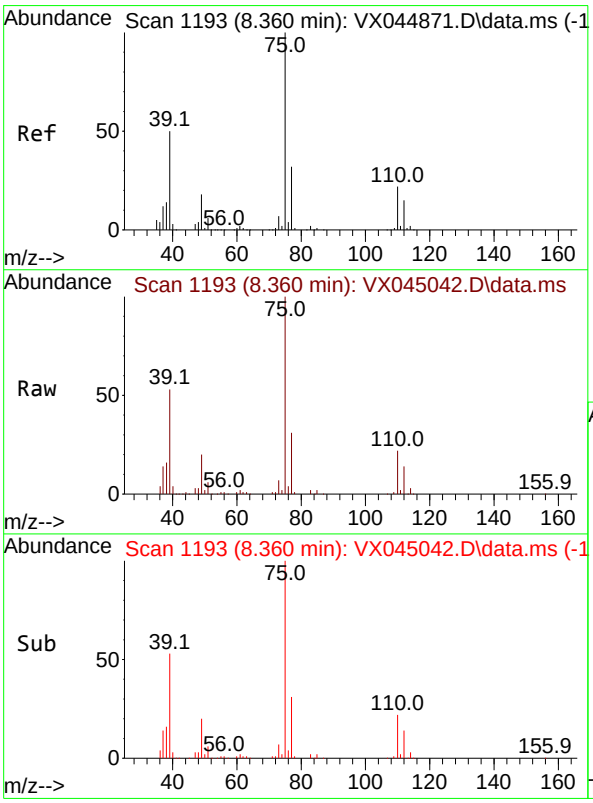
#53
t-1,3-Dichloropropene
Concen: 49.754 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 89317

Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.0	39.0

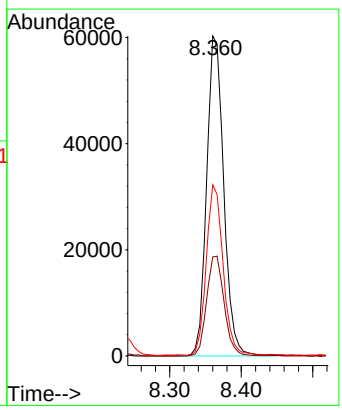


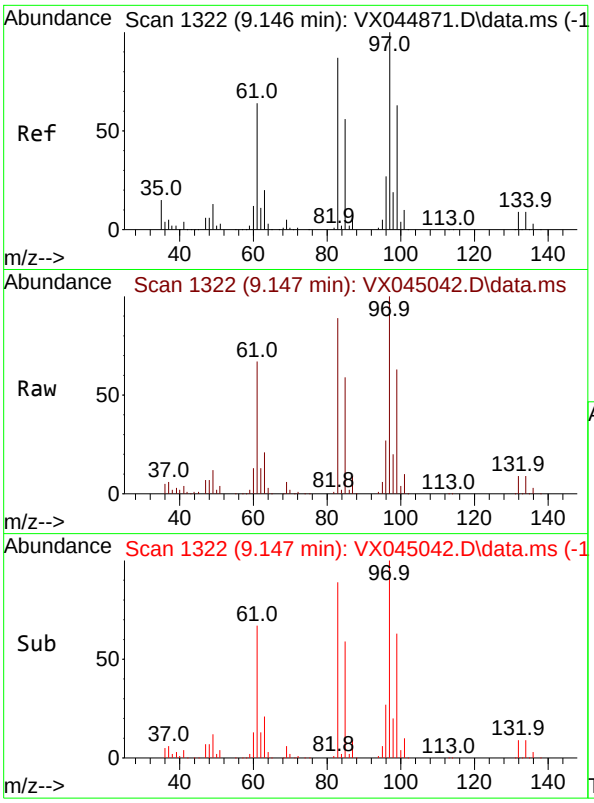


#54
cis-1,3-Dichloropropene
Concen: 50.101 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 100279

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.3	37.9
39	53.1	40.0	60.0



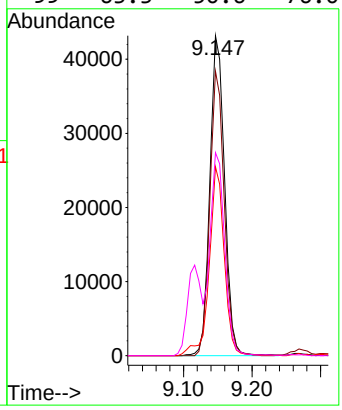


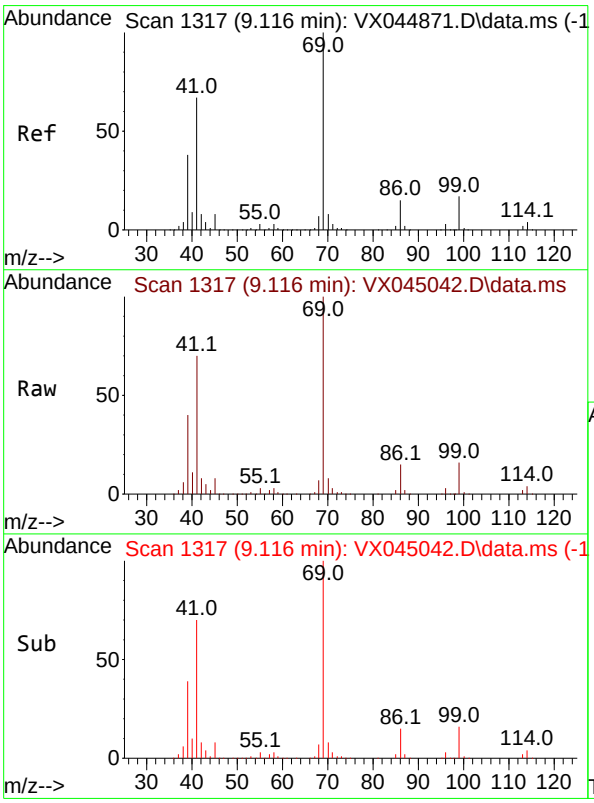
#55
1,1,2-Trichloroethane
Concen: 53.170 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 64638

Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.8	104.6
85	59.0	44.8	67.2
99	63.3	50.6	76.0

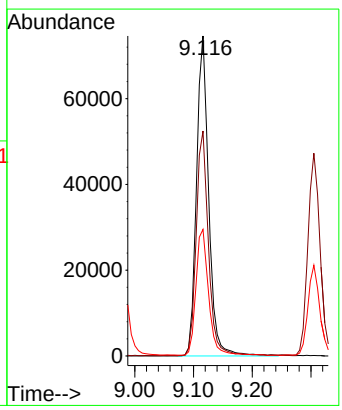


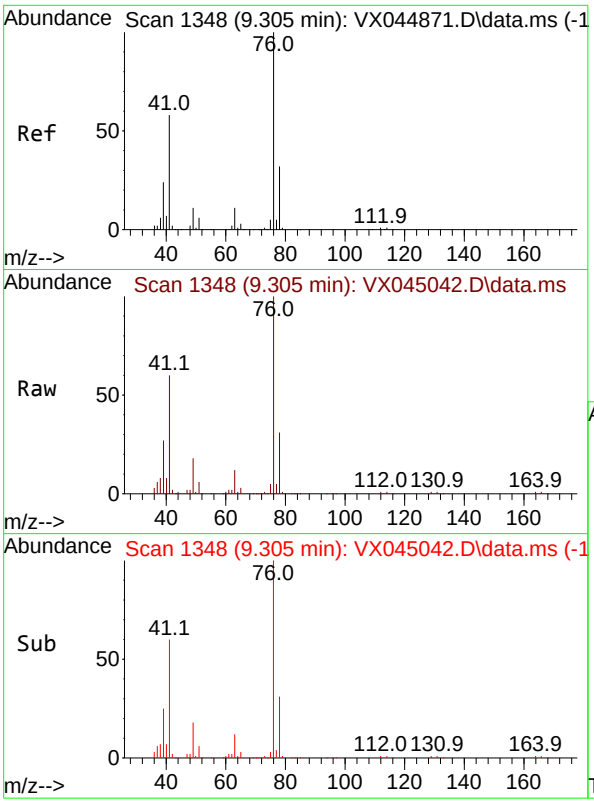


#56
Ethyl methacrylate
Concen: 54.804 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 69 Resp: 107605

Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.2	82.8
39	41.0	30.8	46.2



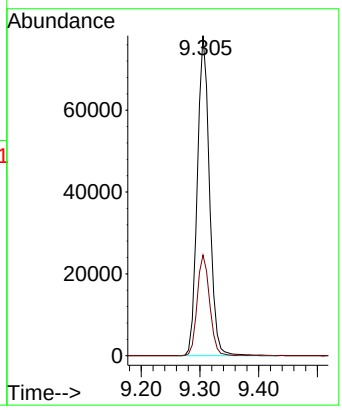


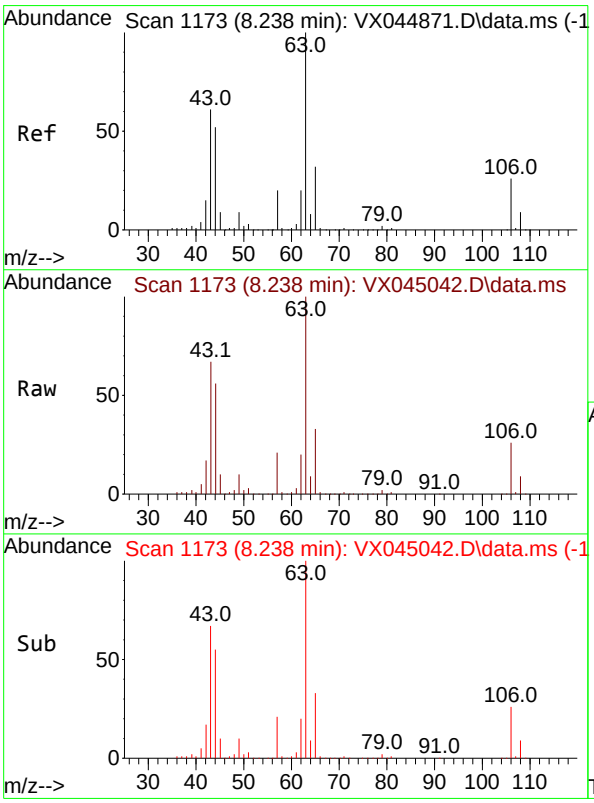
#57
1,3-Dichloropropane
Concen: 52.787 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 112282

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

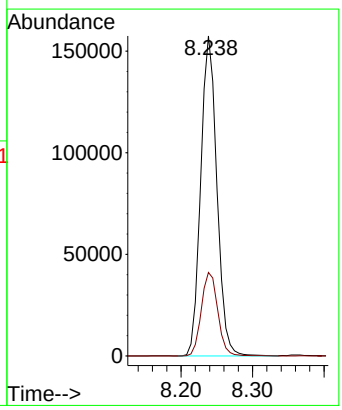


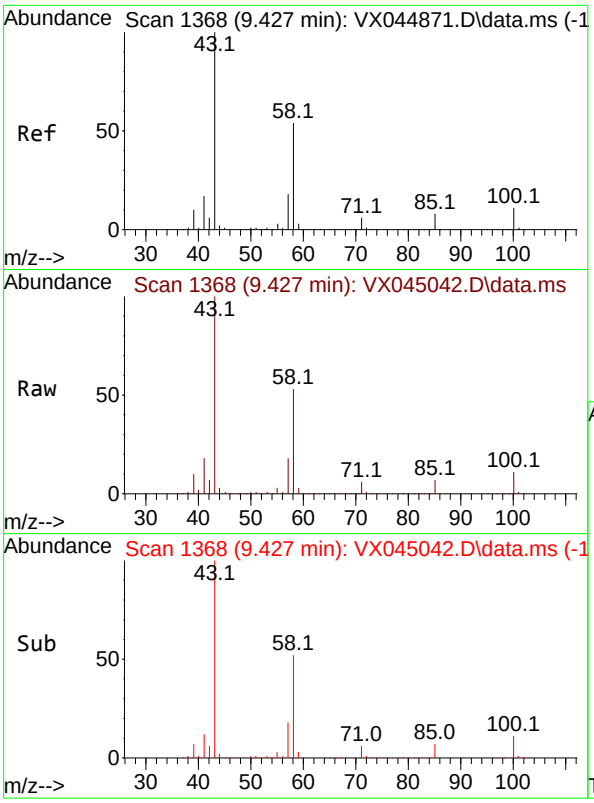


#58
2-Chloroethyl Vinyl ether
Concen: 256.347 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 63 Resp: 247138

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.3	31.9



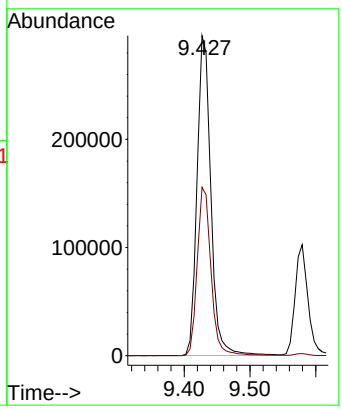


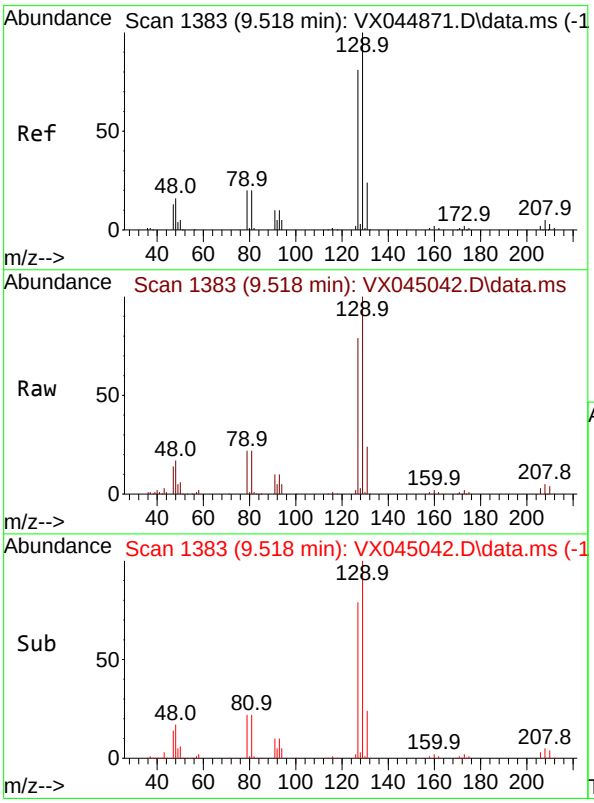
#59
2-Hexanone
Concen: 323.037 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 432203

Ion	Ratio	Lower	Upper
43	100		
58	52.8	27.5	82.4

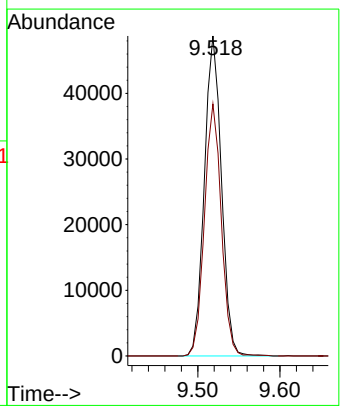


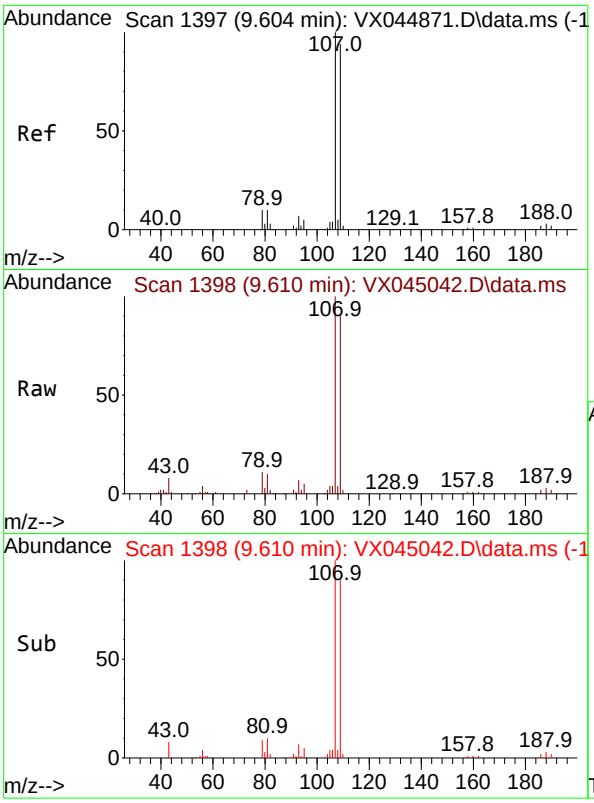


#60
Dibromochloromethane
Concen: 54.145 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:129 Resp: 70395

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.3



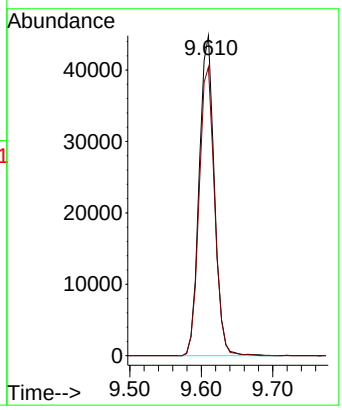


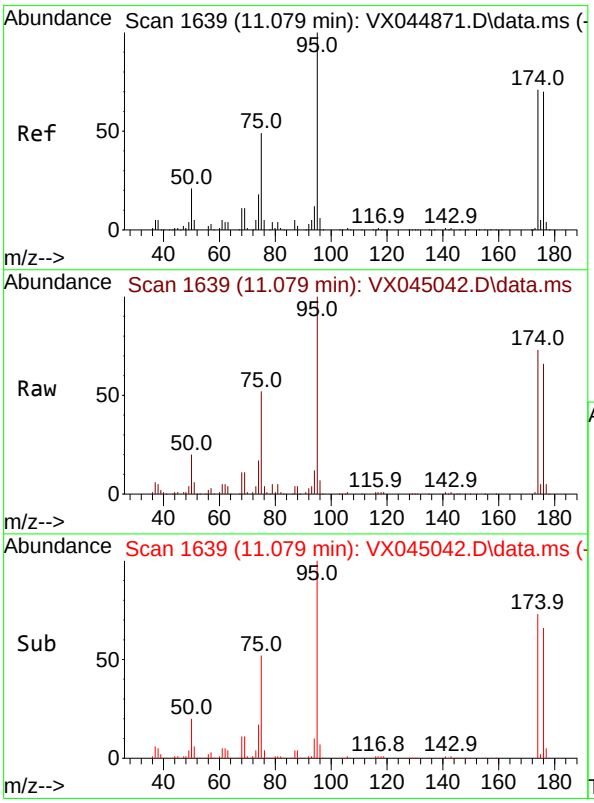
#61
1,2-Dibromoethane
Concen: 53.373 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 65764

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.9	113.9

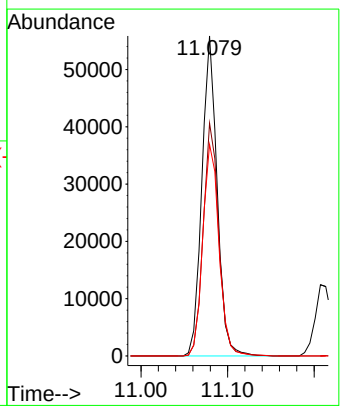


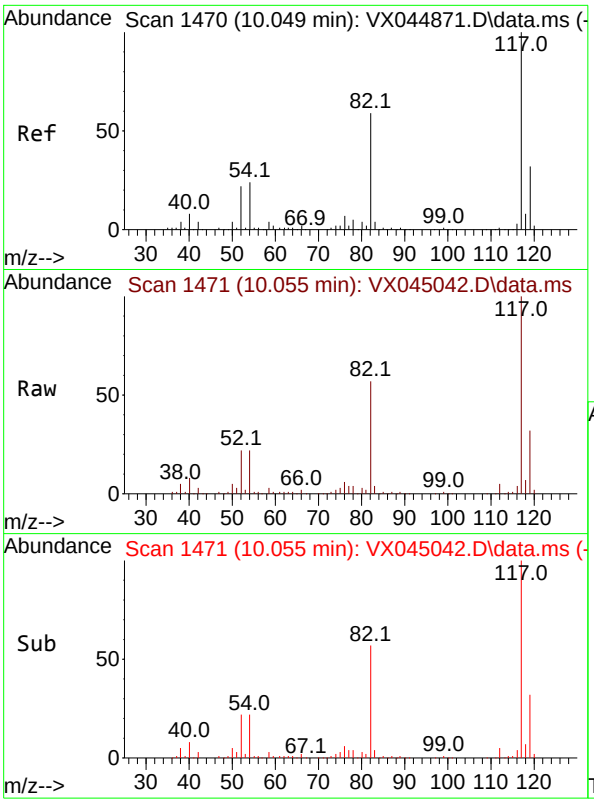


#62
4-Bromofluorobenzene
Concen: 45.505 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 95 Resp: 68375

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	142.6
176	70.4	0.0	141.6



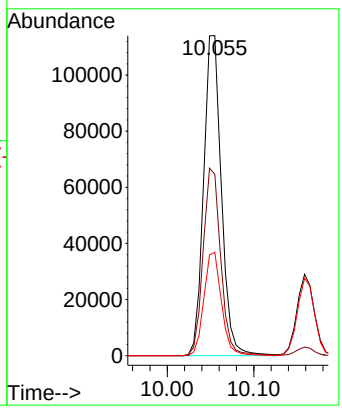


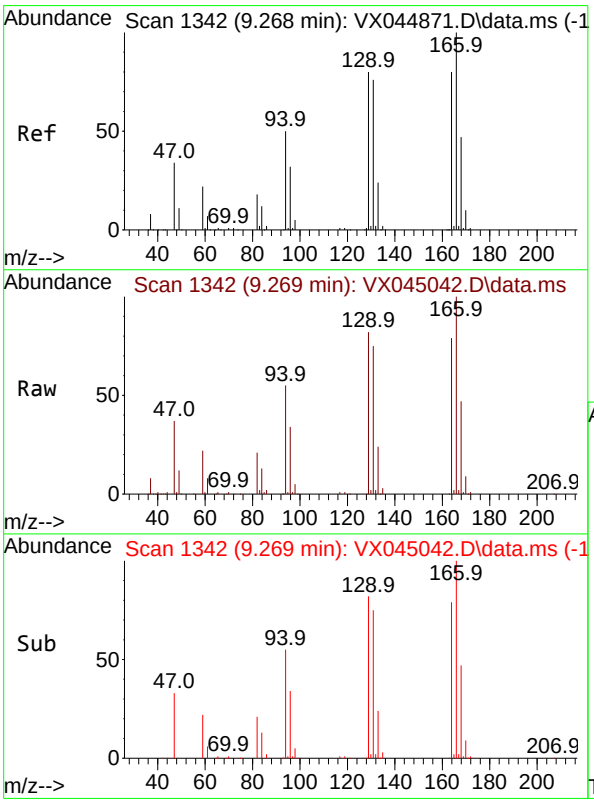
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 162818

Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.5	71.3
119	32.3	25.4	38.0

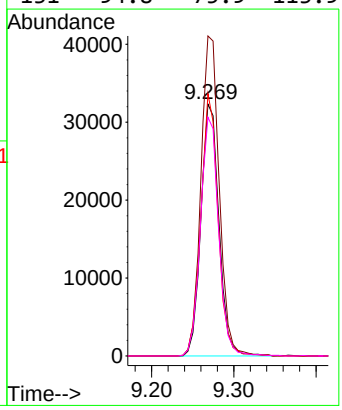


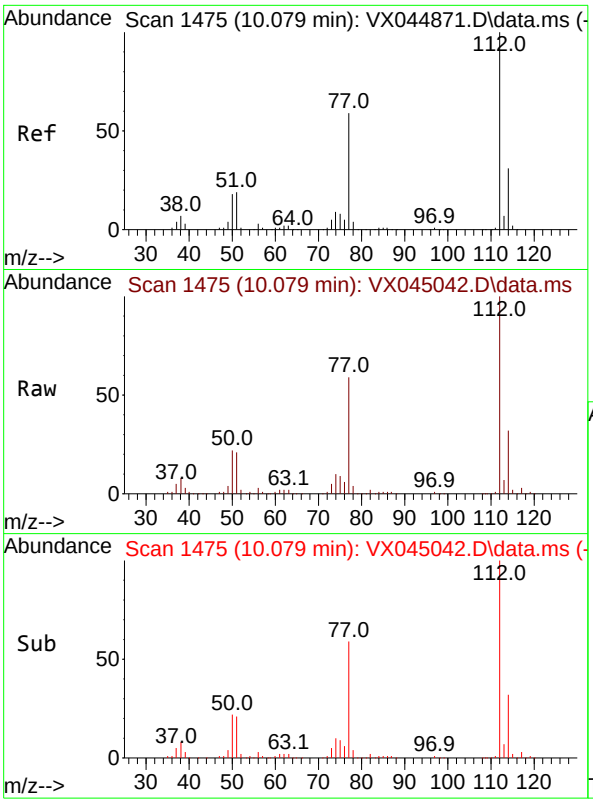


#64
Tetrachloroethene
Concen: 47.807 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:164 Resp: 49089

Ion	Ratio	Lower	Upper
164	100		
166	127.1	100.4	150.6
129	104.1	79.9	119.9
131	94.8	75.9	113.9



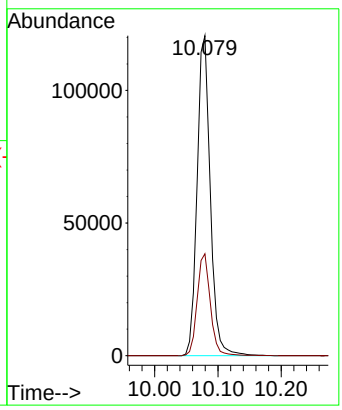


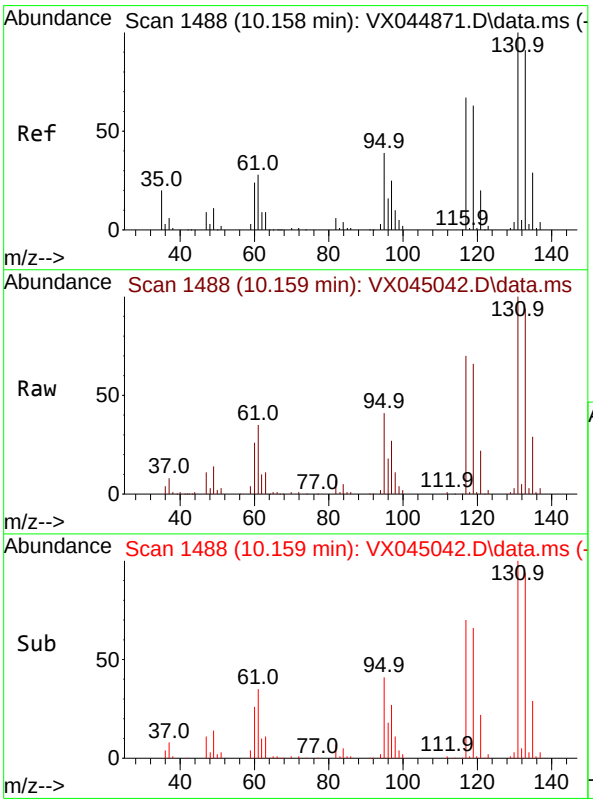
#65
Chlorobenzene
Concen: 50.041 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 174998

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6

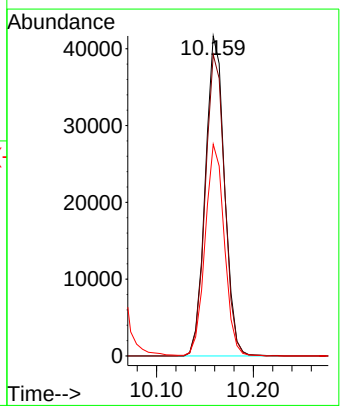


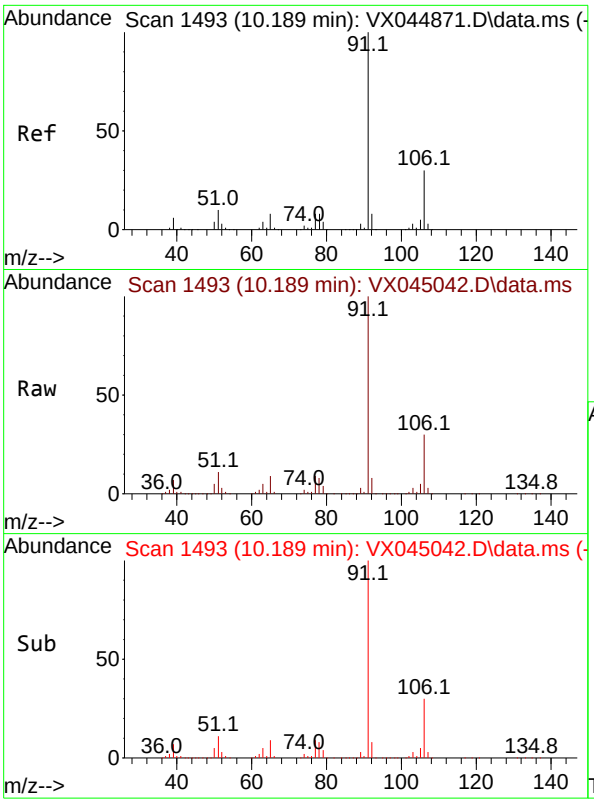


#66
1,1,1,2-Tetrachloroethane
Concen: 51.070 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:131 Resp: 57484

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.1	141.3
119	66.2	33.6	100.6



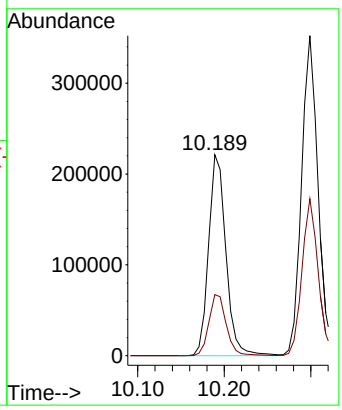


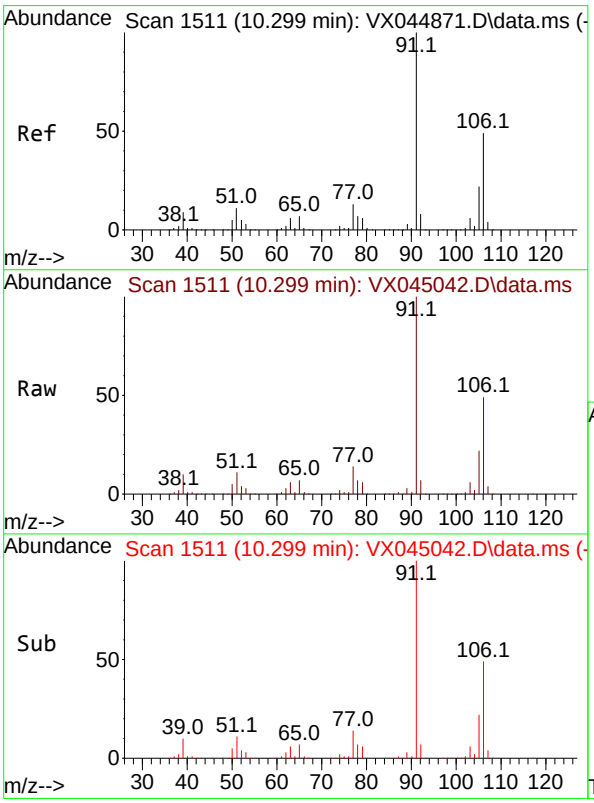
#67
Ethyl Benzene
Concen: 49.830 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 307513

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

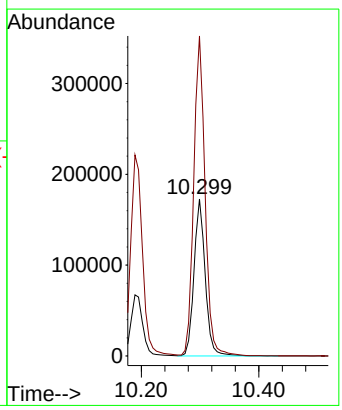


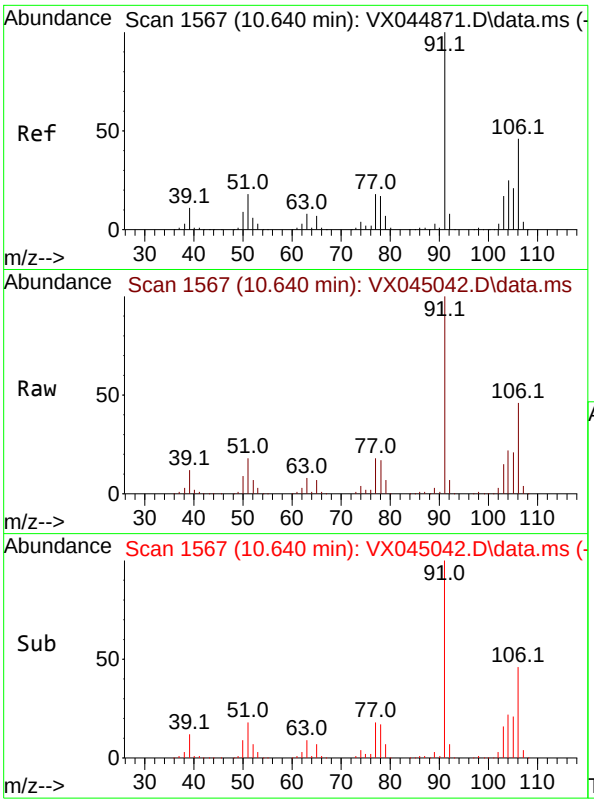


#68
m/p-Xylenes
Concen: 100.639 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:106 Resp: 229102

Ion	Ratio	Lower	Upper
106	100		
91	206.0	164.3	246.5



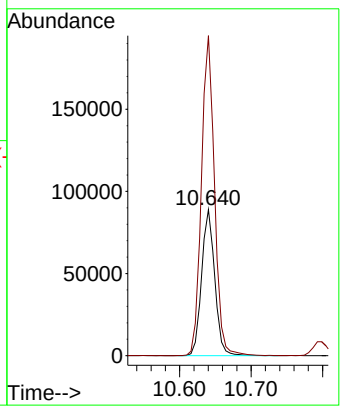


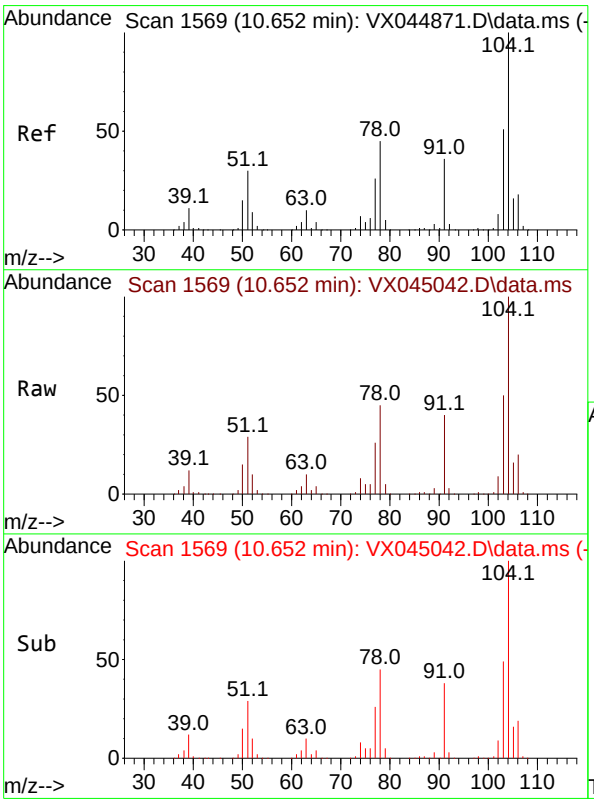
#69
o-Xylene
Concen: 49.701 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 113531

Ion	Ratio	Lower	Upper
106	100		
91	218.4	108.5	325.5

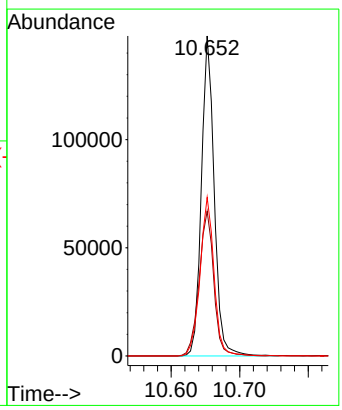


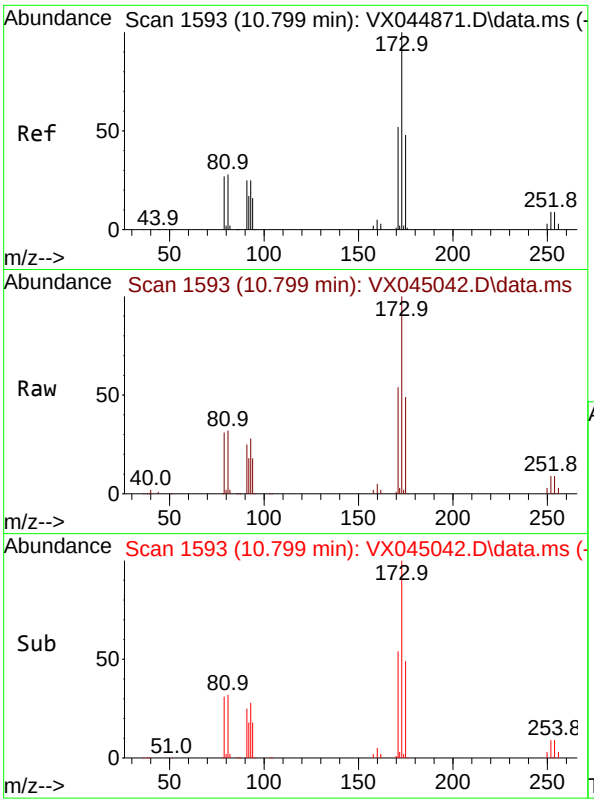


#70
Styrene
Concen: 52.483 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:104 Resp: 193148

Ion	Ratio	Lower	Upper
104	100		
78	51.8	40.5	60.7
103	54.2	43.6	65.4



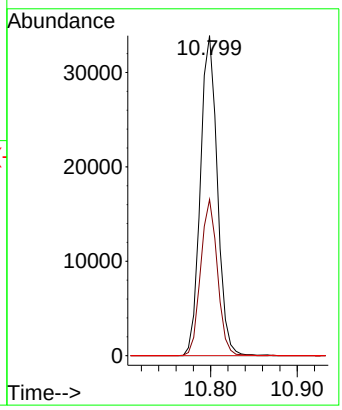


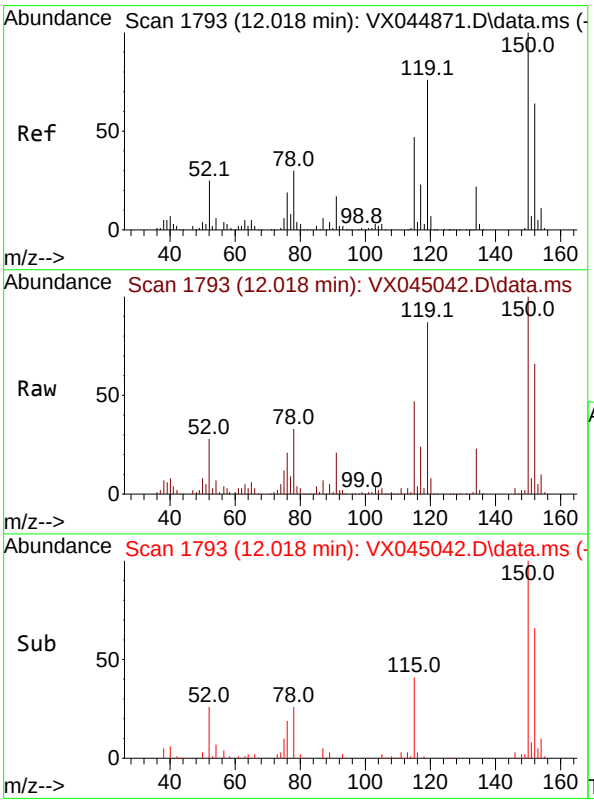
#71
Bromoform
Concen: 54.990 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 46194

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.0	0.0	0.0

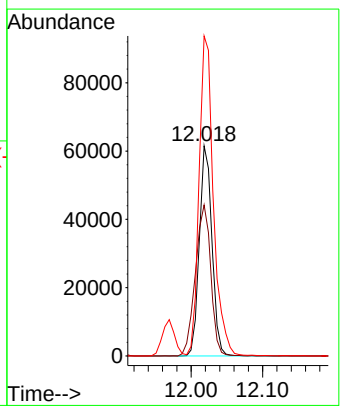


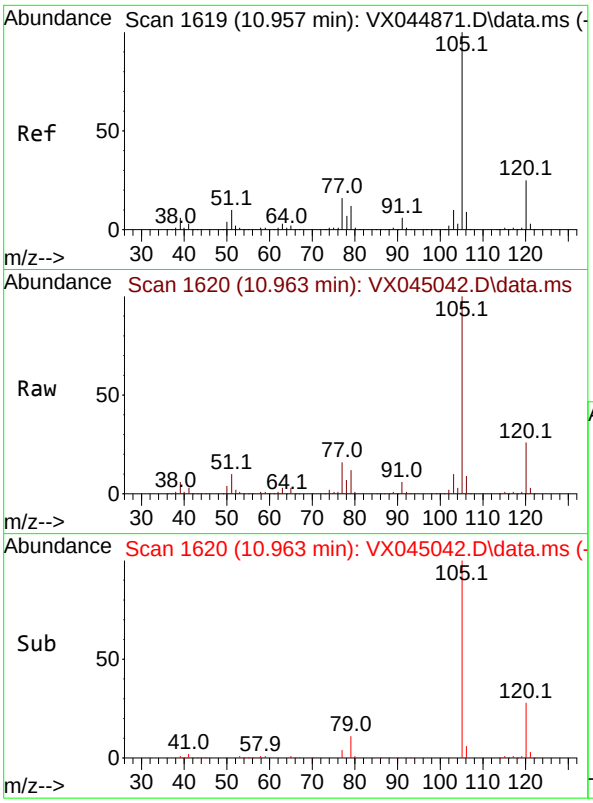


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:152 Resp: 75432

Ion	Ratio	Lower	Upper
152	100		
115	87.7	43.4	130.1
150	172.4	0.0	350.4



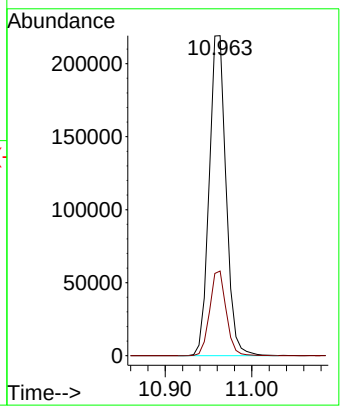


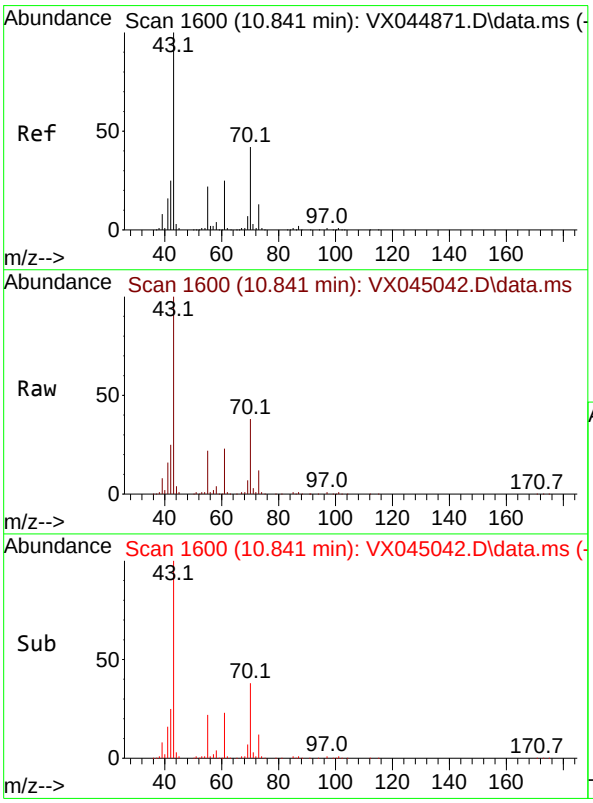
#73
Isopropylbenzene
Concen: 48.748 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 296079

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

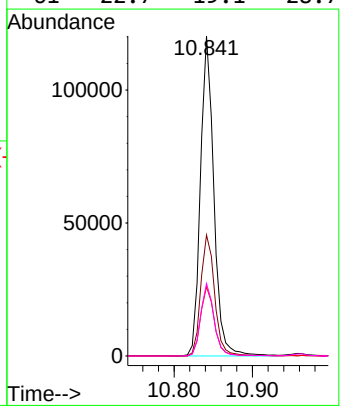


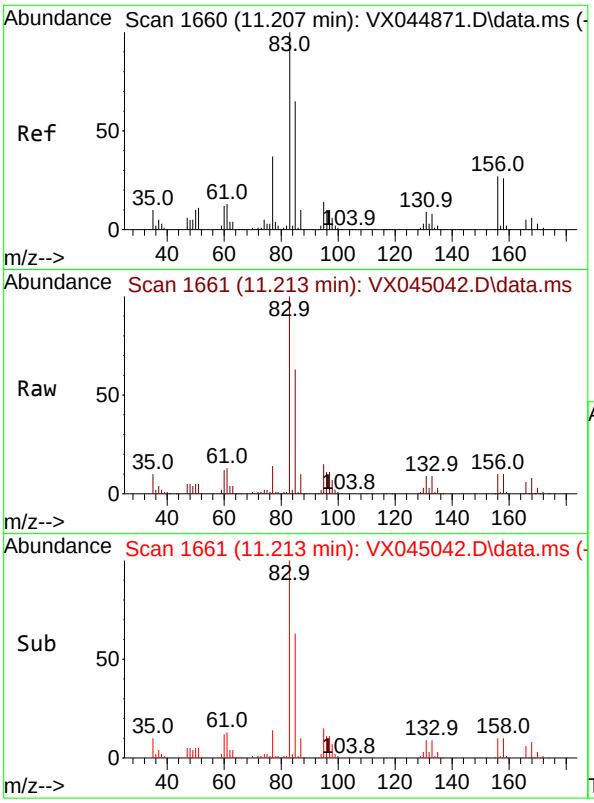


#74
N-amyl acetate
Concen: 52.132 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 143282

Ion	Ratio	Lower	Upper
43	100		
70	39.1	33.7	50.5
55	22.3	18.6	27.8
61	22.7	19.1	28.7



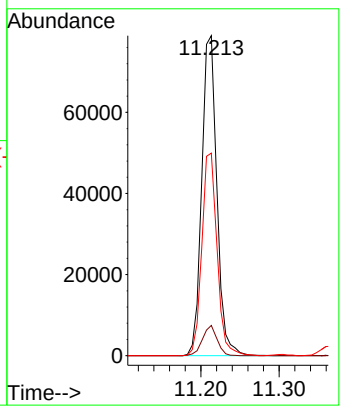


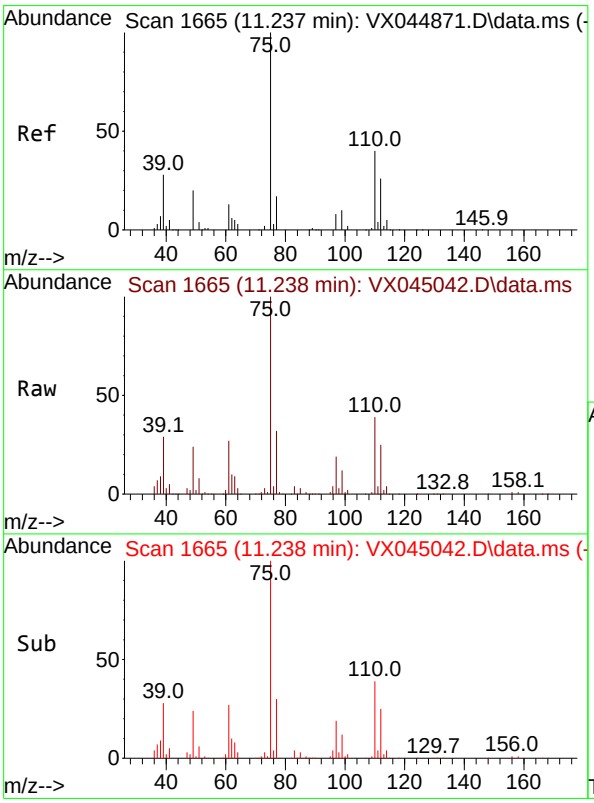
#75
1,1,2,2-Tetrachloroethane
Concen: 50.649 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 105710

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.5
85	63.8	32.3	96.8

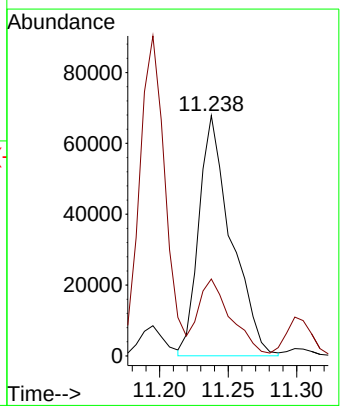


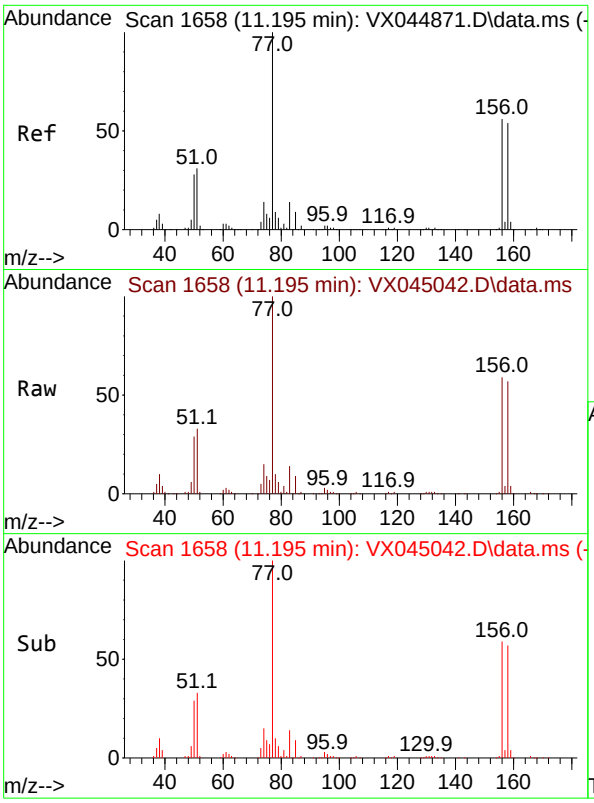


#76
1,2,3-Trichloropropane
Concen: 66.733 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 111607

Ion	Ratio	Lower	Upper
75	100		
77	32.6	21.9	65.7



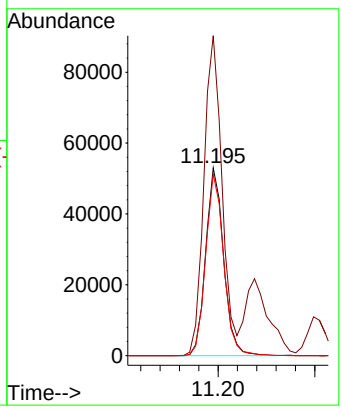


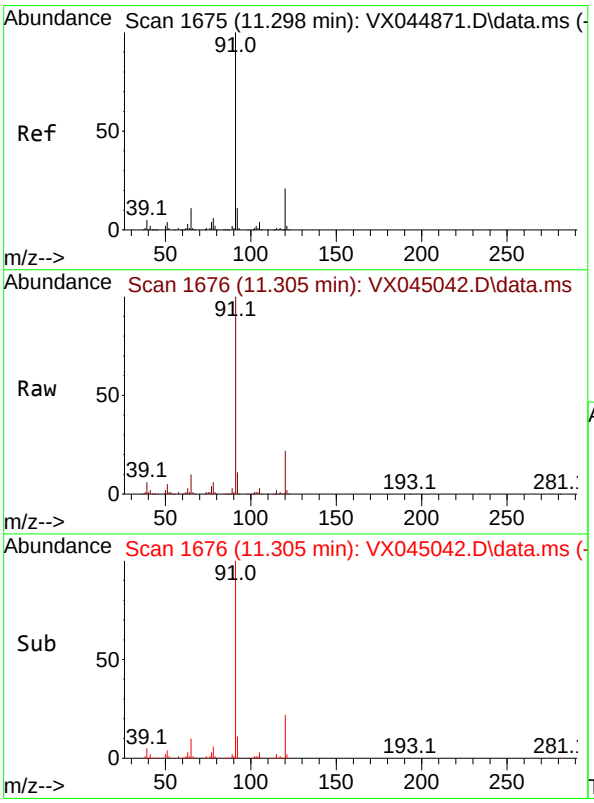
#77
Bromobenzene
Concen: 49.685 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 68416

Ion	Ratio	Lower	Upper
156	100		
77	171.7	88.4	265.3
158	97.4	48.4	145.2

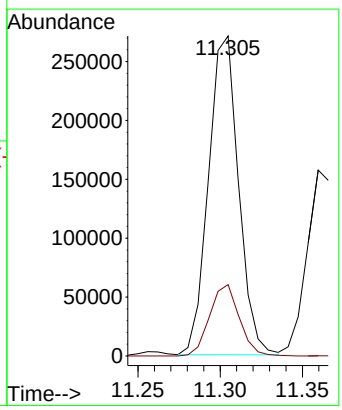


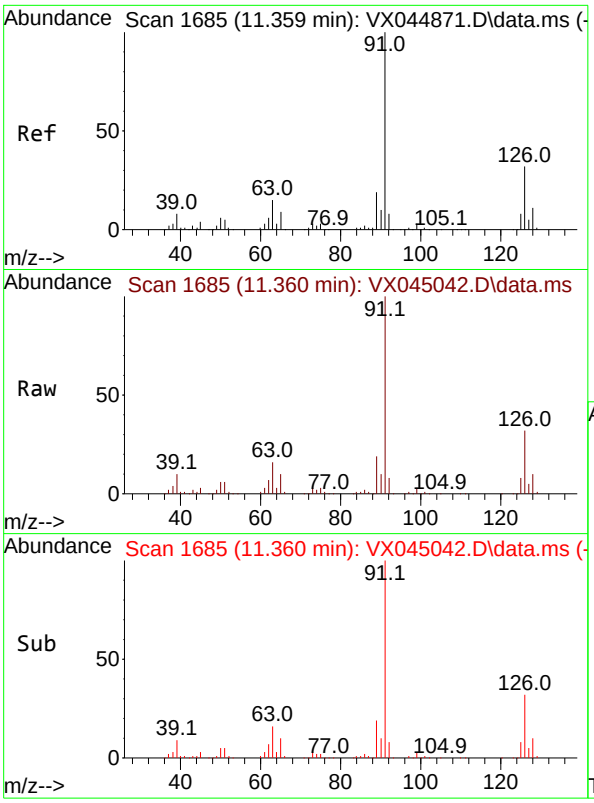


#78
n-propylbenzene
Concen: 49.208 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 91 Resp: 344974

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3



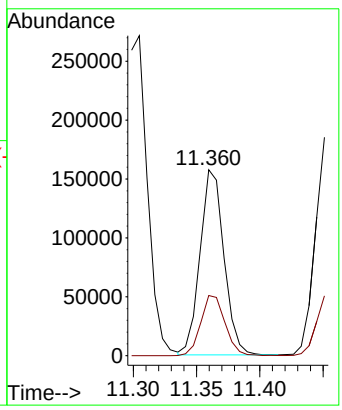


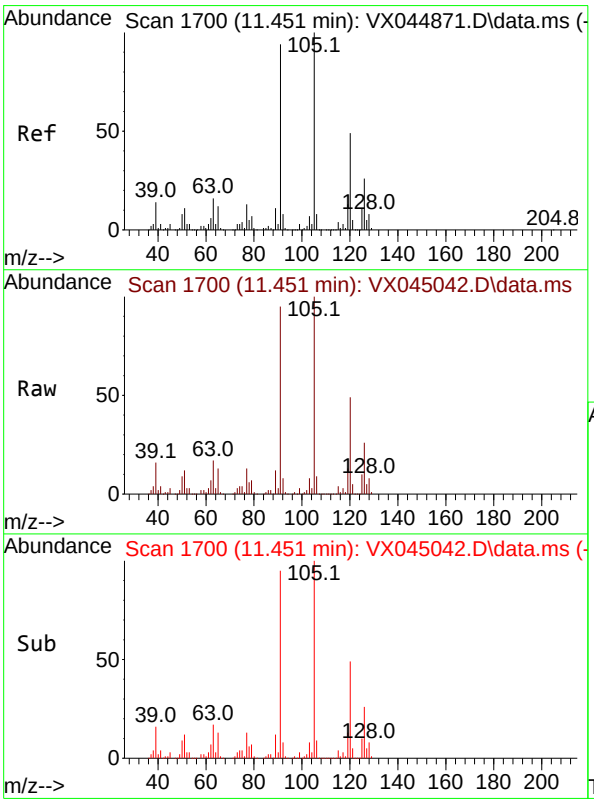
#79
2-Chlorotoluene
Concen: 48.064 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 207089

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.2	48.6

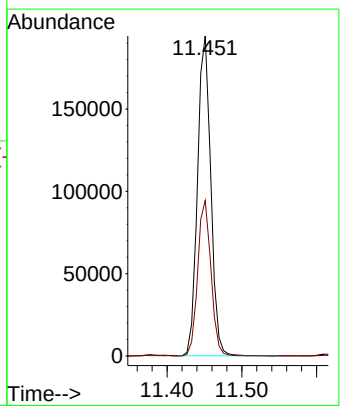


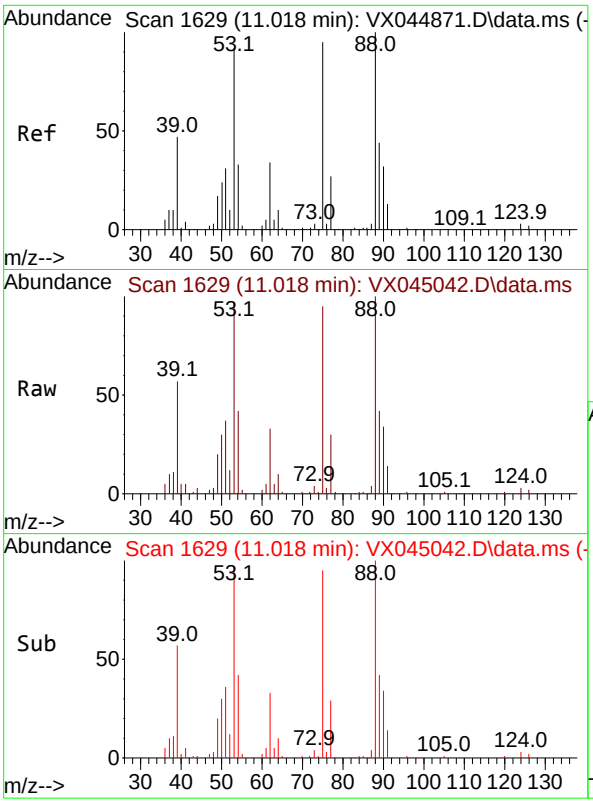


#80
1,3,5-Trimethylbenzene
Concen: 48.584 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:105 Resp: 239463

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.0	72.0



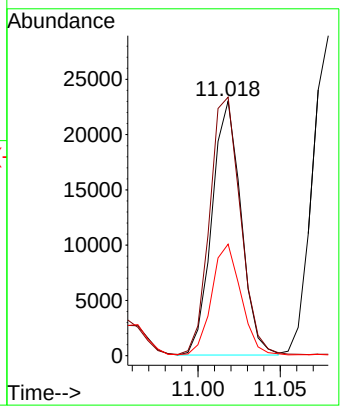


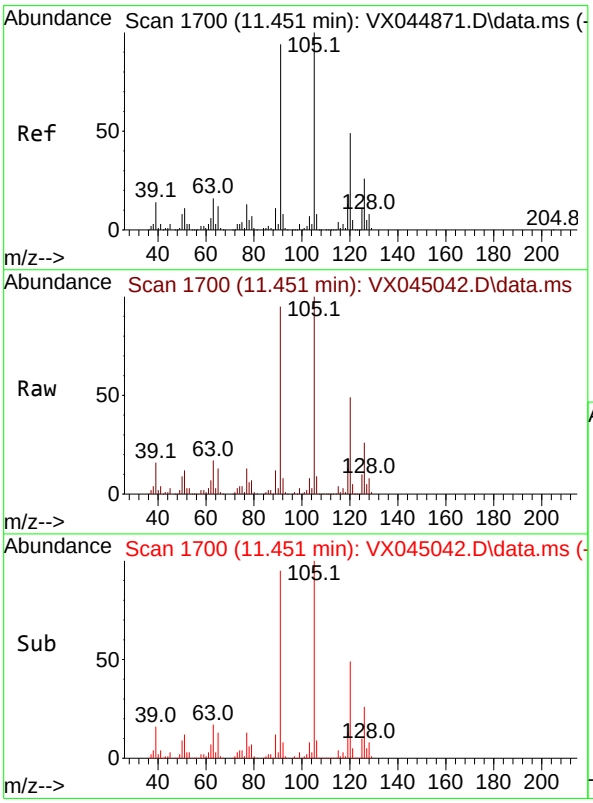
#81
trans-1,4-Dichloro-2-butene
Concen: 43.508 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 28287

Ion	Ratio	Lower	Upper
75	100		
53	107.6	78.0	117.0
89	43.8	36.6	54.8

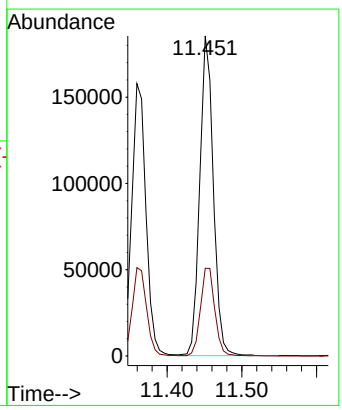


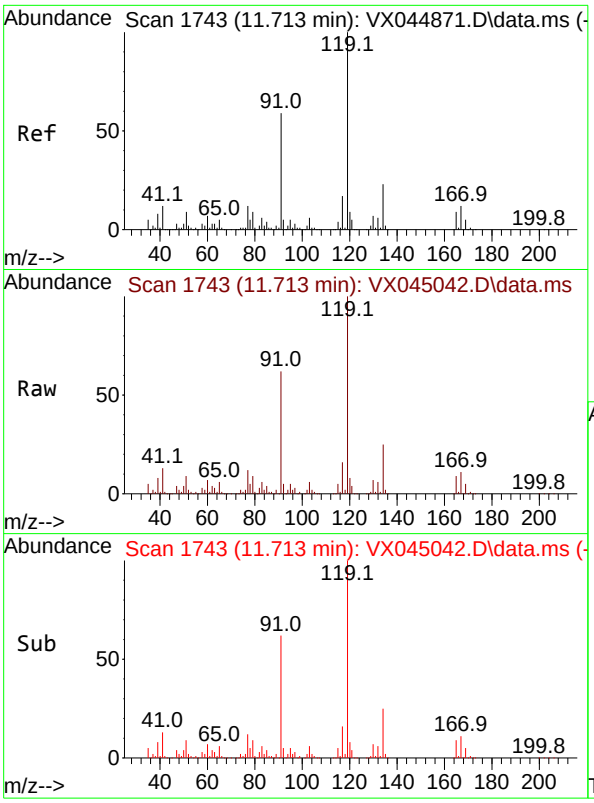


#82
4-Chlorotoluene
Concen: 48.941 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 91 Resp: 233290

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.2	42.6



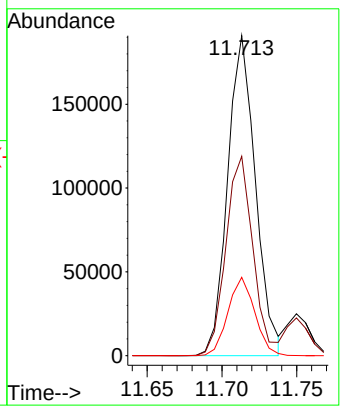


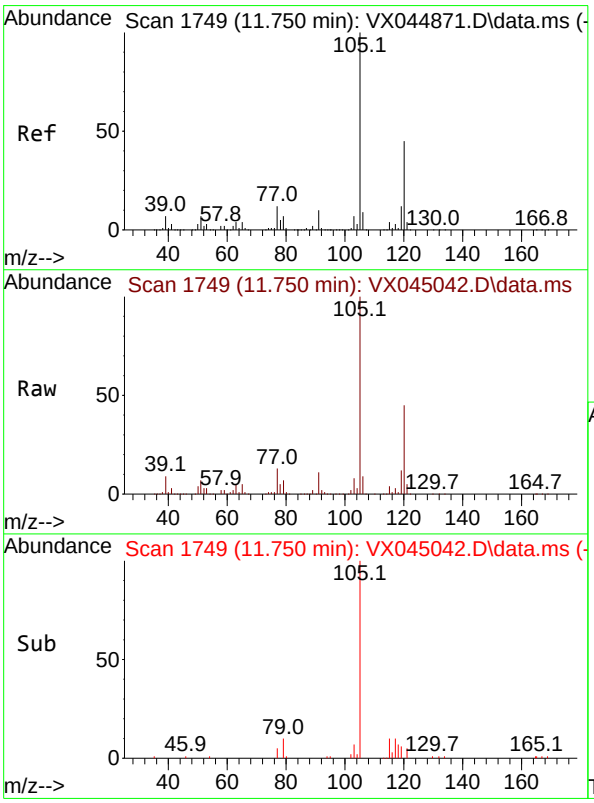
#83
tert-Butylbenzene
Concen: 49.578 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 247205

Ion	Ratio	Lower	Upper
119	100		
91	61.0	29.1	87.4
134	23.6	11.5	34.5

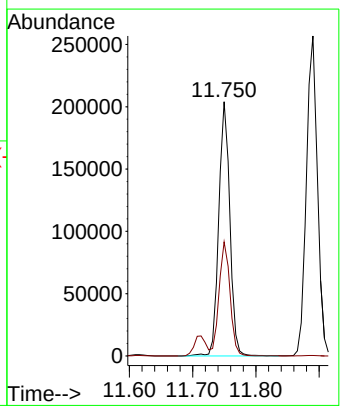


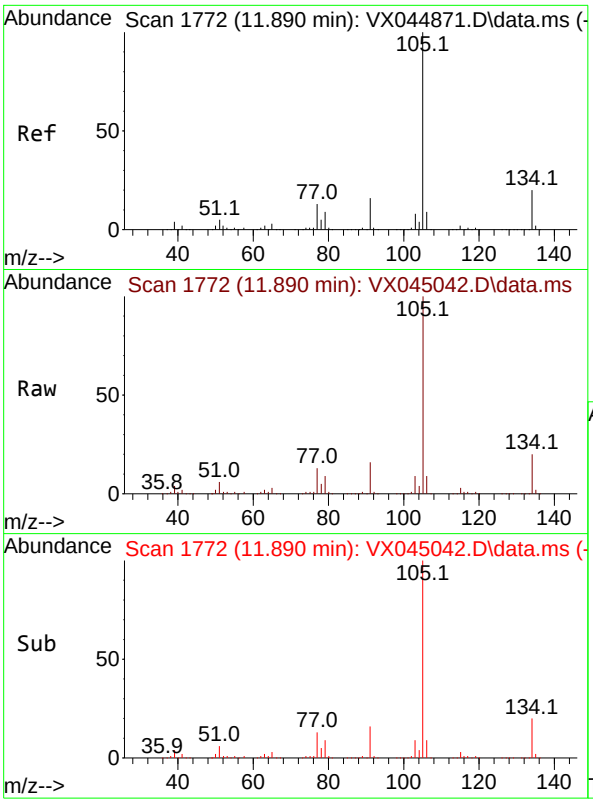


#84
1,2,4-Trimethylbenzene
Concen: 50.676 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:105 Resp: 246524

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0



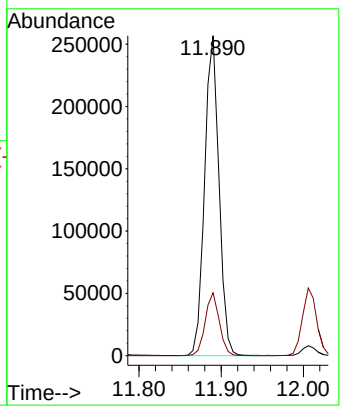


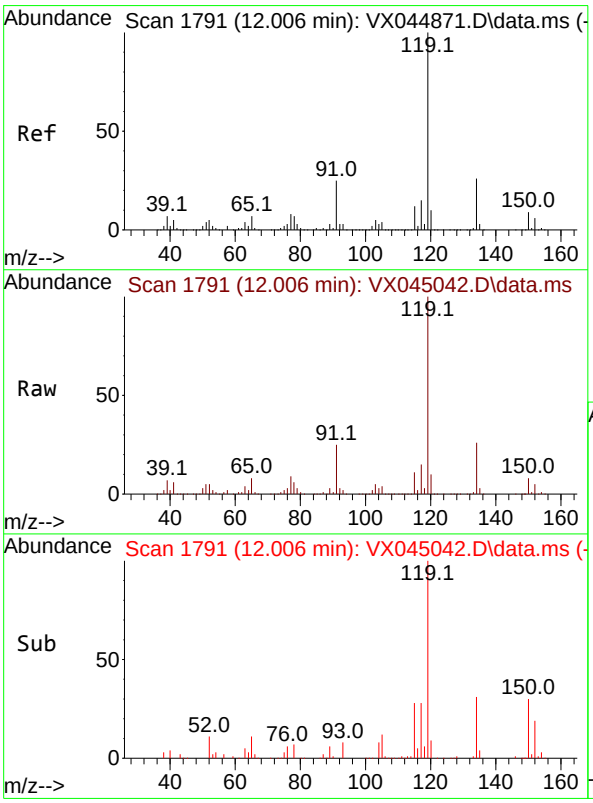
#85
sec-Butylbenzene
Concen: 50.503 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 311825

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.3

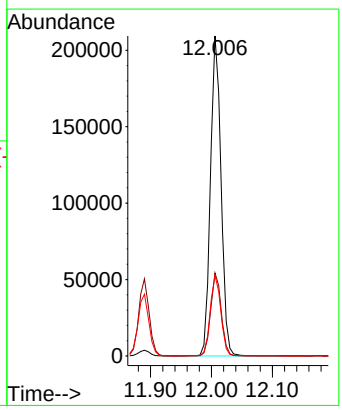


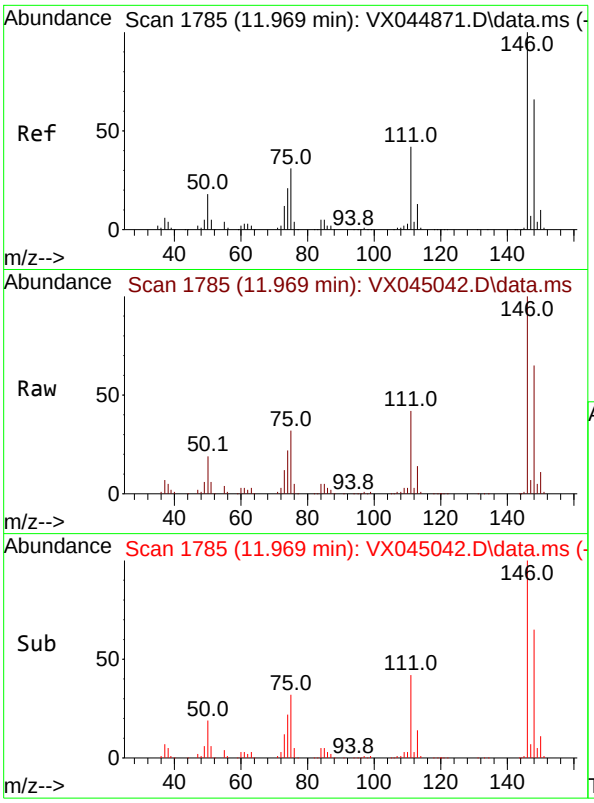


#86
p-Isopropyltoluene
Concen: 50.912 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:119 Resp: 252793

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	25.3	12.1	36.3



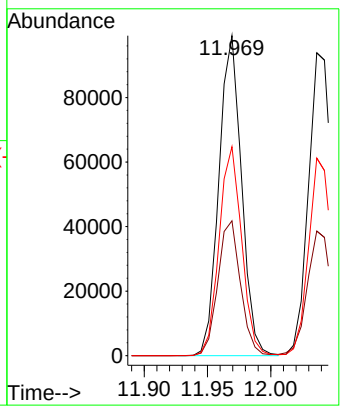


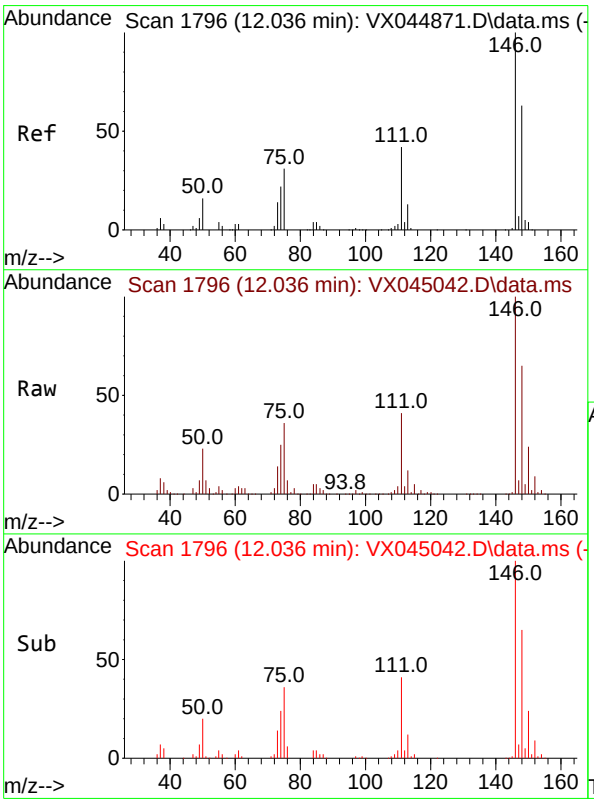
#87
1,3-Dichlorobenzene
Concen: 48.698 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 123315

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	65.2	32.5	97.5

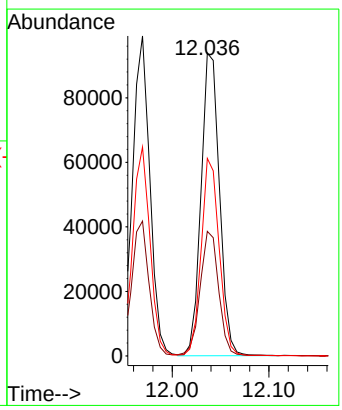


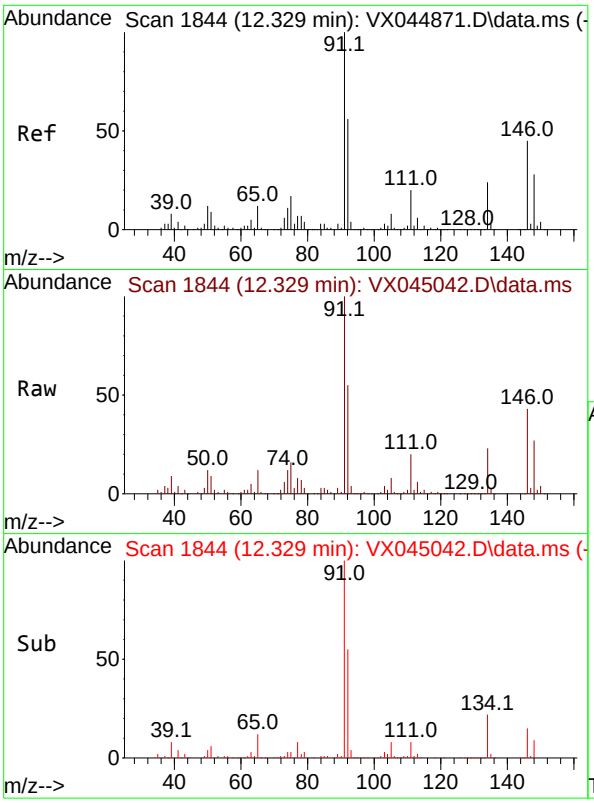


#88
1,4-Dichlorobenzene
Concen: 48.630 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:146 Resp: 124506

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	64.1	32.0	96.0



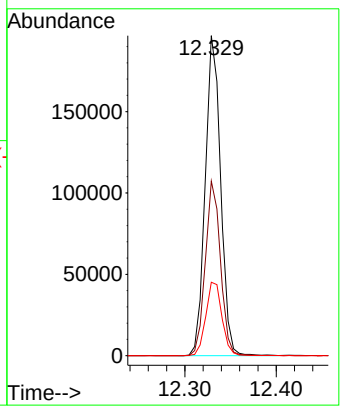


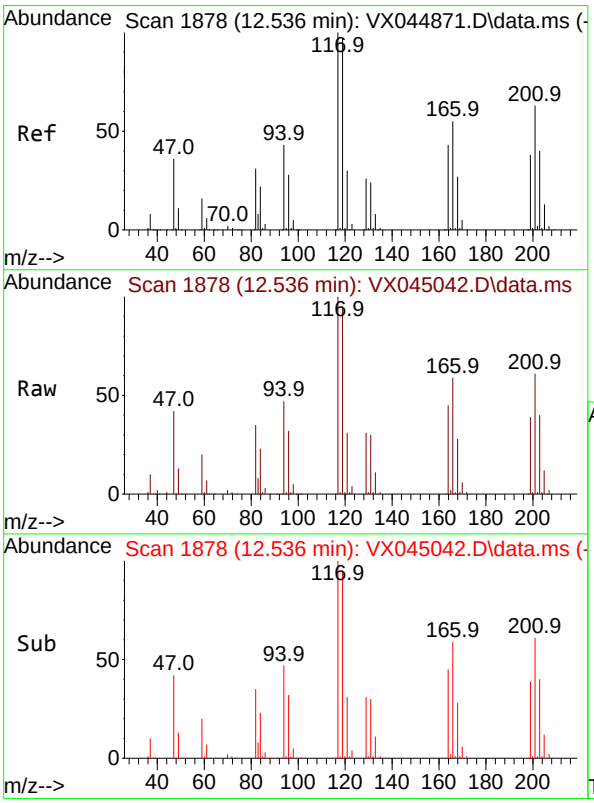
#89
n-Butylbenzene
Concen: 52.268 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 229601

Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	24.1	12.1	36.3

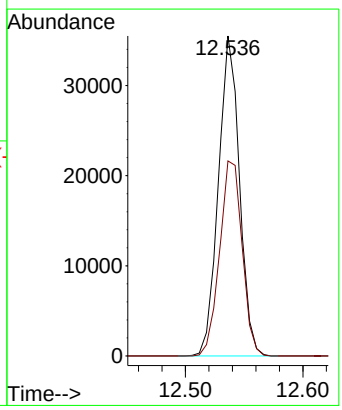


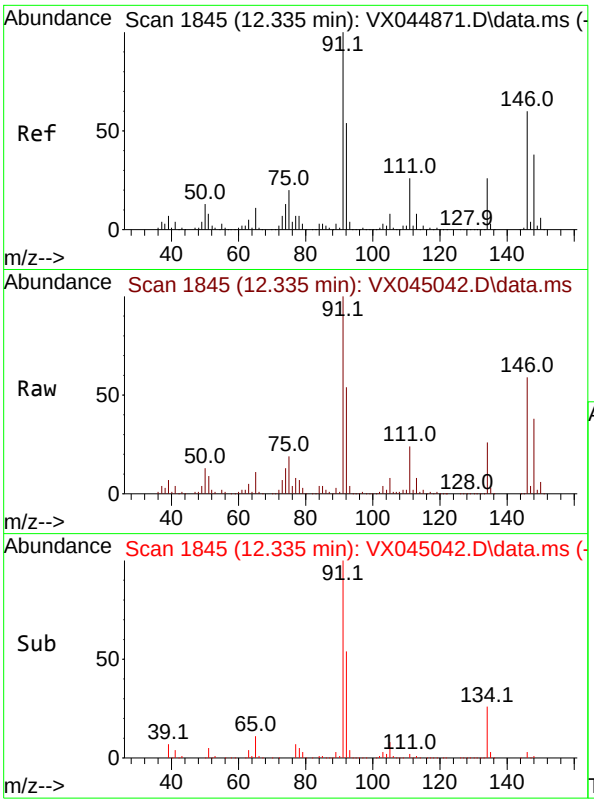


#90
Hexachloroethane
Concen: 47.456 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:117 Resp: 44121

Ion	Ratio	Lower	Upper
117	100		
201	65.3	32.5	97.5



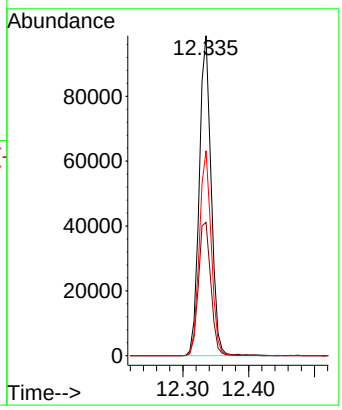


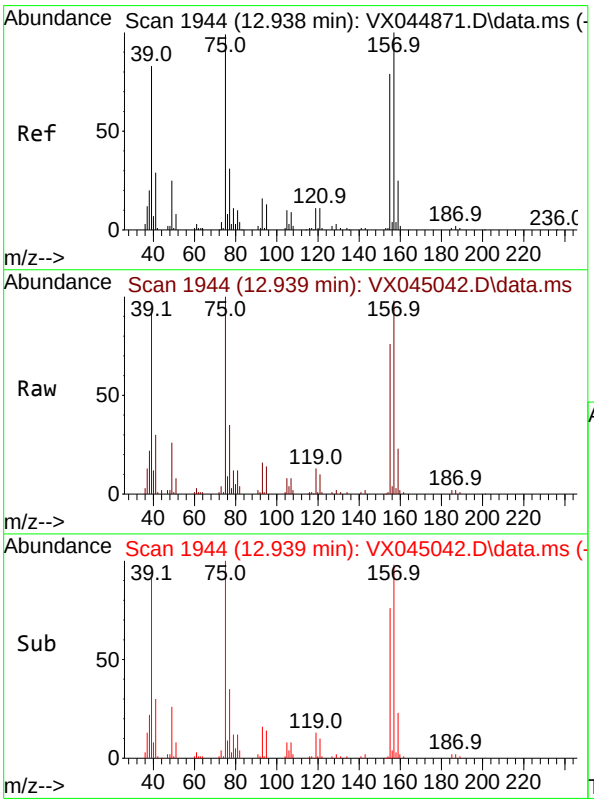
#91
1,2-Dichlorobenzene
Concen: 49.733 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 123772

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	64.2	31.9	95.9

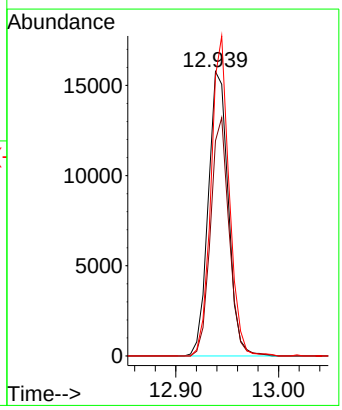


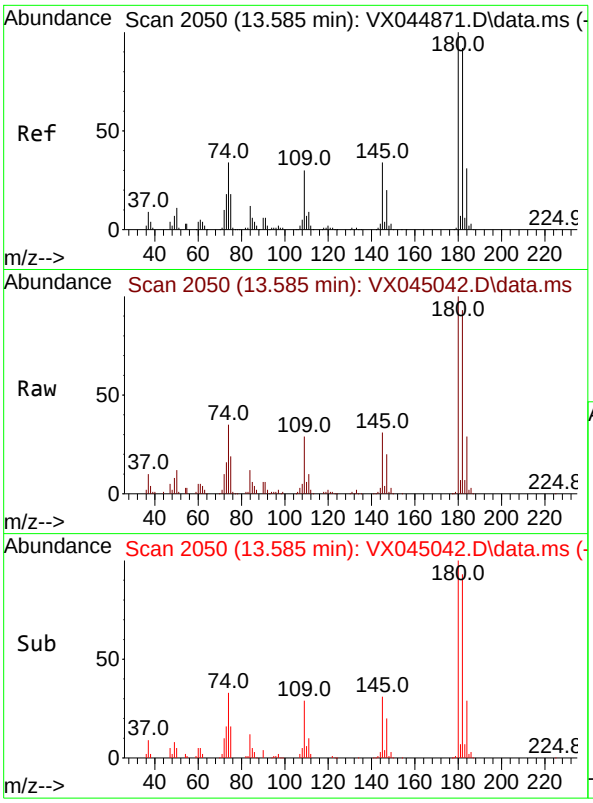


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.778 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 21247

Ion	Ratio	Lower	Upper
75	100		
155	77.8	40.5	121.4
157	102.0	51.4	154.3



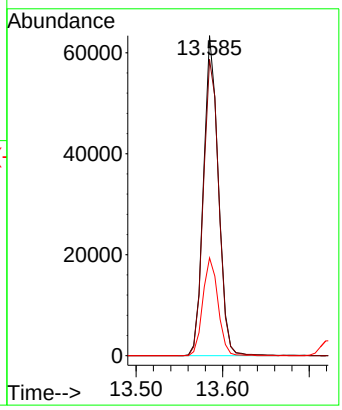


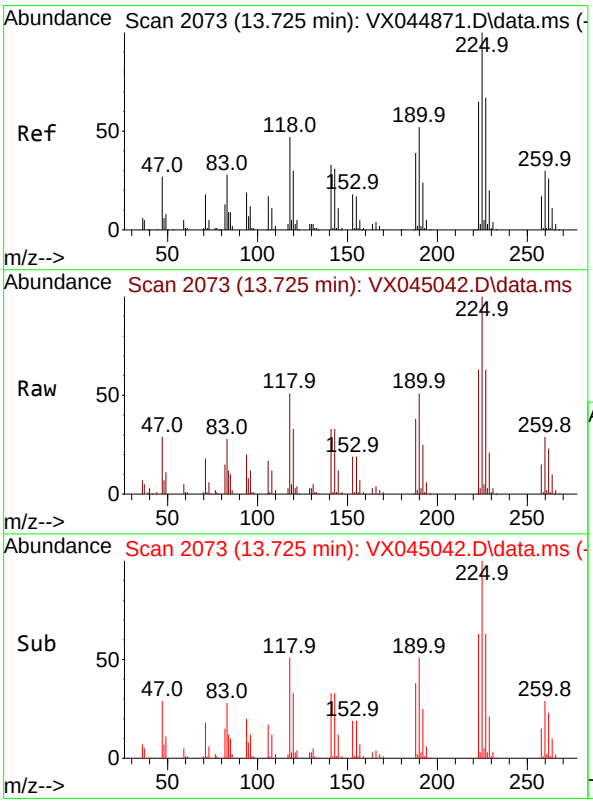
#93
1,2,4-Trichlorobenzene
Concen: 50.067 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 75398

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.6	142.8
145	31.3	16.4	49.1

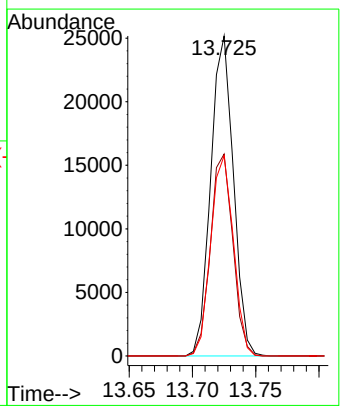


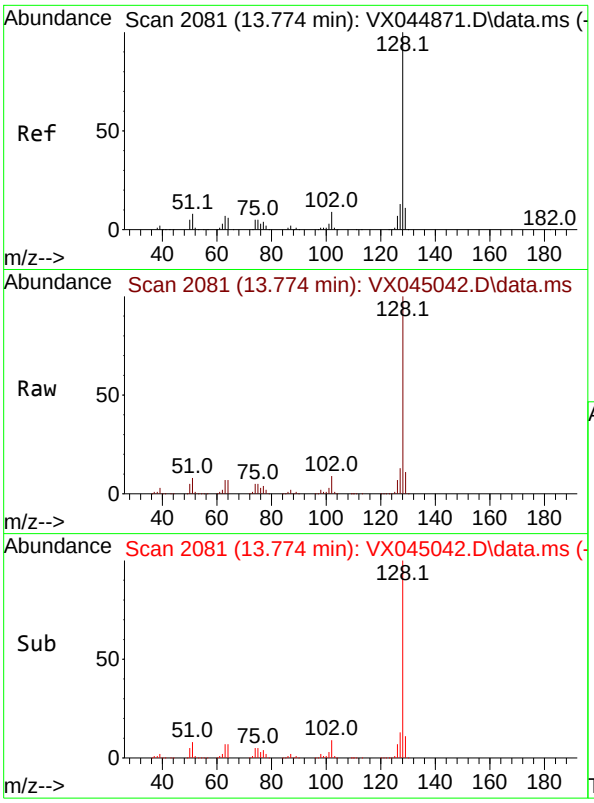


#94
Hexachlorobutadiene
Concen: 52.565 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:225 Resp: 31425

Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.4	94.2
227	62.4	32.3	96.8



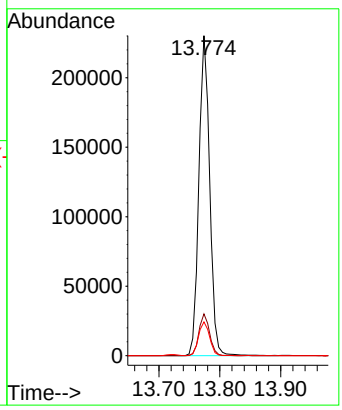


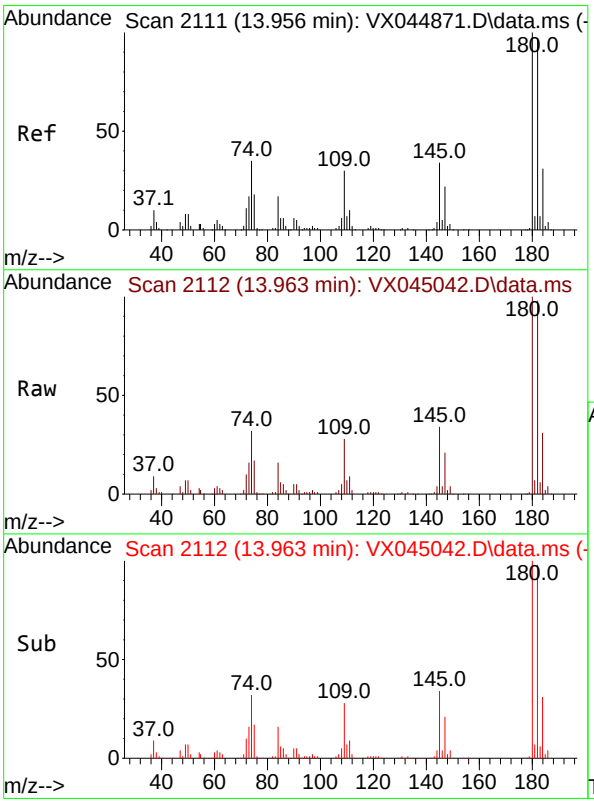
#95
Naphthalene
Concen: 51.898 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 282517

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.8	8.9	13.3

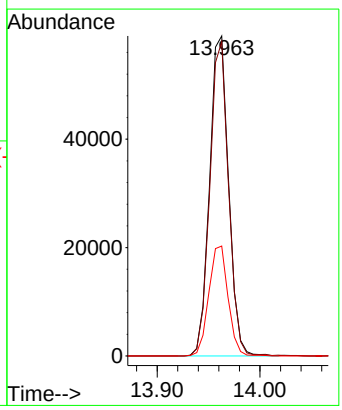




#96
1,2,3-Trichlorobenzene
Concen: 50.145 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:180 Resp: 76093

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	34.9	17.1	51.3



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	102761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	159886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	2512	1.537	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	3.080%#		
35) Dibromofluoromethane	5.391	113	1752	1.389	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.780%#		
50) Toluene-d8	8.653	98	5691	1.244	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.480%#		
62) 4-Bromofluorobenzene	11.085	95	1685	1.112	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.220%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1282	1.007	ug/l	90
3) Chloromethane	1.301	50	1552	0.975	ug/l	91
4) Vinyl Chloride	1.368	62	1588	1.008	ug/l #	85
5) Bromomethane	1.593	94	824	1.335	ug/l	99
6) Chloroethane	1.673	64	1228	1.591	ug/l #	74
7) Trichlorofluoromethane	1.880	101	2011	0.957	ug/l	97
8) Diethyl Ether	2.130	74	835	1.045	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.319	101	1081	0.884	ug/l	87
10) Methyl Iodide	2.447	142	1156	0.775	ug/l #	96
11) Tert butyl alcohol	2.941	59	5356	17.299	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	1251	0.991	ug/l	92
13) Acrolein	2.239	56	1756	4.906	ug/l	98
14) Allyl chloride	2.660	41	2343	1.055	ug/l	93
15) Acrylonitrile	3.075	53	4067	4.931	ug/l	99
16) Acetone	2.380	43	4259	5.635	ug/l	100
17) Carbon Disulfide	2.502	76	3256	0.956	ug/l #	92
18) Methyl Acetate	2.703	43	1960	1.066	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	4017	0.943	ug/l	91
20) Methylene Chloride	2.782	84	1656	1.095	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	1109	0.869	ug/l	91
22) Diisopropyl ether	3.764	45	4026	0.871	ug/l #	80
23) Vinyl Acetate	3.727	43	15271	3.971	ug/l	97
24) 1,1-Dichloroethane	3.605	63	2467	0.958	ug/l #	83
25) 2-Butanone	4.587	43	4894	4.252	ug/l	96
26) 2,2-Dichloropropane	4.471	77	1066	0.872	ug/l #	56
27) cis-1,2-Dichloroethene	4.501	96	1412	0.902	ug/l #	19
28) Bromochloromethane	4.885	49	1144	0.958	ug/l #	54
29) Tetrahydrofuran	5.032	42	3719	4.809	ug/l #	34
30) Chloroform	5.093	83	2478	0.978	ug/l	92
31) Cyclohexane	5.465	56	1875	0.843	ug/l	90
32) 1,1,1-Trichloroethane	5.373	97	1867	0.893	ug/l #	52
36) 1,1-Dichloropropene	5.690	75	1681	0.967	ug/l #	84
37) Ethyl Acetate	4.739	43	1582	0.703	ug/l #	70
38) Carbon Tetrachloride	5.660	117	588	0.332	ug/l #	81
39) Methylcyclohexane	7.385	83	1750	0.831	ug/l	88
40) Benzene	6.031	78	4984	0.907	ug/l	99

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.958	41	912	0.748	ug/l	#	80
42) 1,2-Dichloroethane	6.099	62	1837	0.924	ug/l		78
43) Isopropyl Acetate	6.355	43	2545	0.767	ug/l	#	95
44) Trichloroethene	7.129	130	1202	0.933	ug/l		65
45) 1,2-Dichloropropane	7.434	63	1334	0.971	ug/l	#	82
46) Dibromomethane	7.586	93	891	0.897	ug/l		92
47) Bromodichloromethane	7.818	83	1802	0.927	ug/l	#	85
48) Methyl methacrylate	7.714	41	1125	0.699	ug/l	#	61
49) 1,4-Dioxane	7.684	88	639	18.144	ug/l	#	81
51) 4-Methyl-2-Pentanone	8.574	43	10091	4.567	ug/l		95
52) Toluene	8.720	92	2700	0.841	ug/l		97
53) t-1,3-Dichloropropene	8.994	75	1147	0.700	ug/l	#	85
54) cis-1,3-Dichloropropene	8.373	75	1525	0.804	ug/l	#	90
55) 1,1,2-Trichloroethane	9.153	97	1306	1.004	ug/l	#	90
56) Ethyl methacrylate	9.135	69	1494	0.748	ug/l	#	93
57) 1,3-Dichloropropane	9.311	76	2112	0.920	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.251	63	4115	4.320	ug/l		95
59) 2-Hexanone	9.439	43	6582	4.153	ug/l		96
60) Dibromochloromethane	9.519	129	1152	0.835	ug/l		98
61) 1,2-Dibromoethane	9.610	107	1174	0.890	ug/l		97
64) Tetrachloroethene	9.275	164	1006	0.986	ug/l	#	88
65) Chlorobenzene	10.080	112	3094	0.908	ug/l		90
66) 1,1,1,2-Tetrachloroethane	10.159	131	1078	0.978	ug/l	#	65
67) Ethyl Benzene	10.195	91	5008	0.846	ug/l	#	85
68) m/p-Xylenes	10.305	106	3552	1.630	ug/l		97
69) o-Xylene	10.640	106	1949	0.891	ug/l		95
70) Styrene	10.665	104	2810	0.802	ug/l		97
71) Bromoform	10.799	173	667	0.768	ug/l	#	92
73) Isopropylbenzene	10.964	105	4405	0.858	ug/l		96
74) N-amyl acetate	10.854	43	1750	0.732	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	1809	0.954	ug/l		88
76) 1,2,3-Trichloropropane	11.244	75	1878	1.246	ug/l		86
77) Bromobenzene	11.201	156	1166	0.972	ug/l		91
78) n-propylbenzene	11.305	91	4475	0.773	ug/l		97
79) 2-Chlorotoluene	11.366	91	3616	0.986	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	3386	0.815	ug/l		94
81) trans-1,4-Dichloro-2-b...	11.031	75	285	0.646	ug/l	#	81
82) 4-Chlorotoluene	11.457	91	3631	0.904	ug/l		99
83) tert-Butylbenzene	11.713	119	3928	0.929	ug/l		96
84) 1,2,4-Trimethylbenzene	11.756	105	3432	0.827	ug/l		95
85) sec-Butylbenzene	11.890	105	3891	0.752	ug/l		100
86) p-Isopropyltoluene	12.012	119	3257	0.797	ug/l		94
87) 1,3-Dichlorobenzene	11.976	146	1948	0.913	ug/l		96
88) 1,4-Dichlorobenzene	11.976	146	1948	0.900	ug/l		97
89) n-Butylbenzene	12.335	91	2470	0.691	ug/l		93
90) Hexachloroethane	12.536	117	609	0.805	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	1918	0.890	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	308	0.859	ug/l		82
93) 1,2,4-Trichlorobenzene	13.591	180	866	0.706	ug/l		93
94) Hexachlorobutadiene	13.725	225	462	0.917	ug/l		94
95) Naphthalene	13.780	128	3337	0.707	ug/l	#	94
96) 1,2,3-Trichlorobenzene	13.963	180	969	0.759	ug/l		93

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

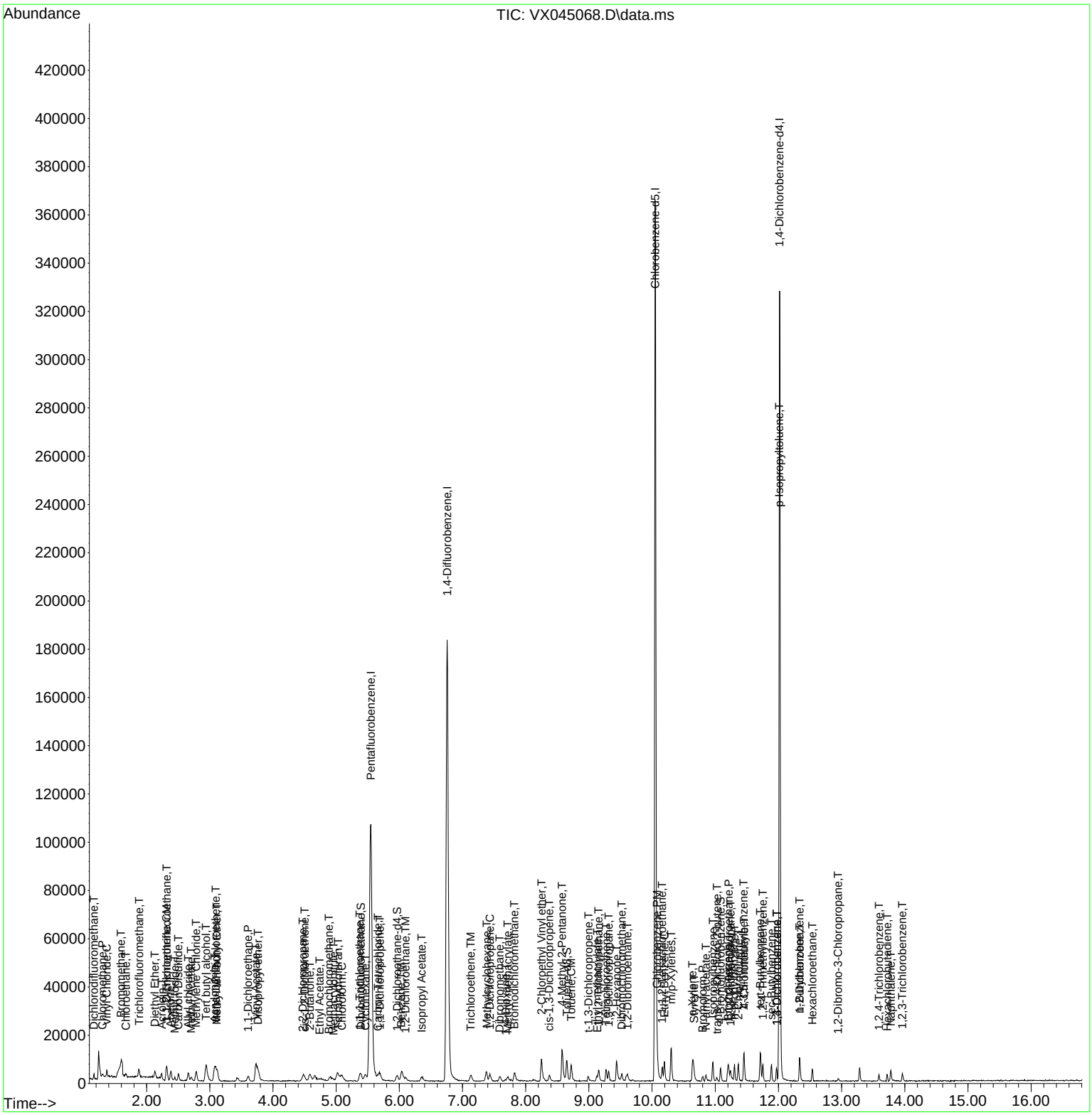
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

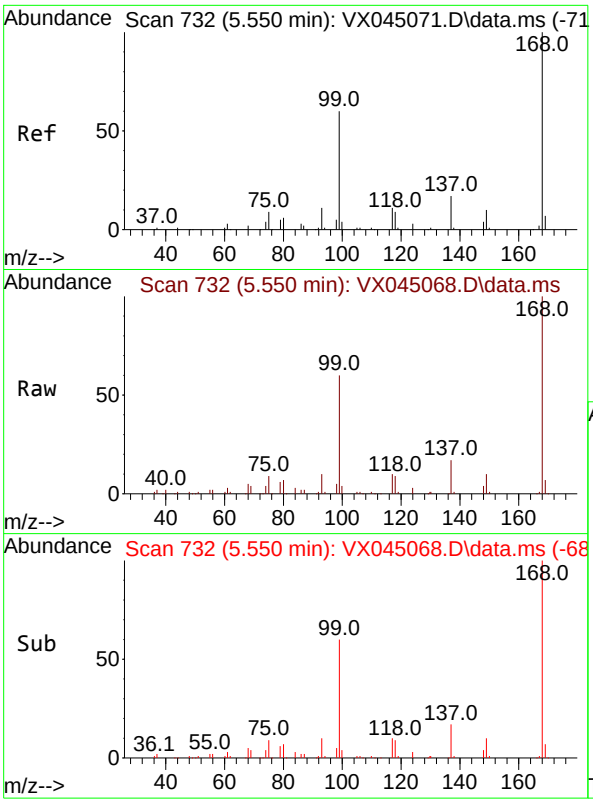
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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



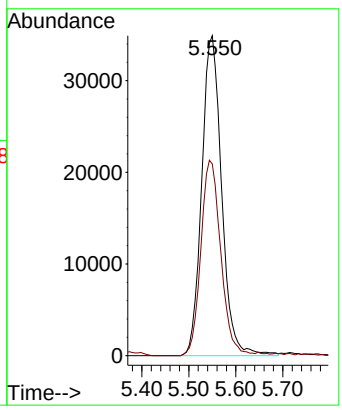


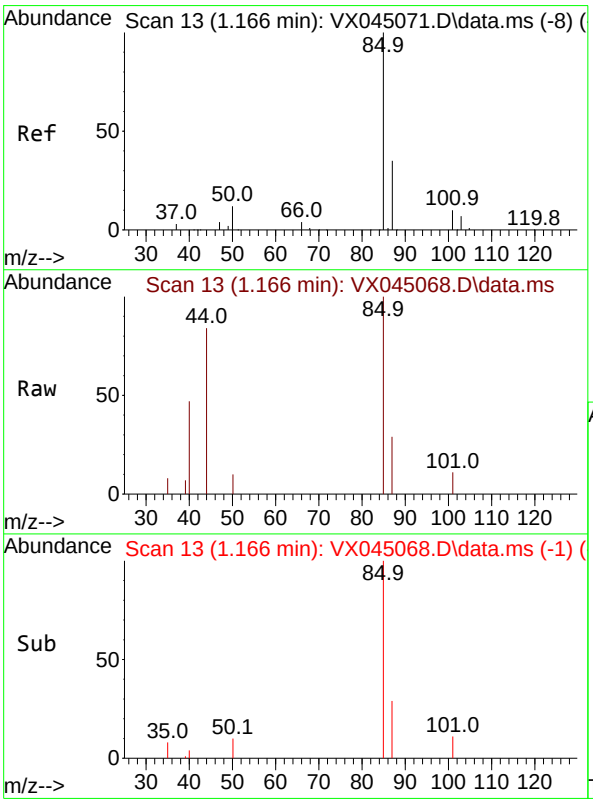
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 102761

Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4

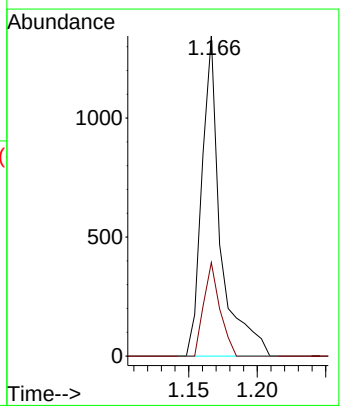


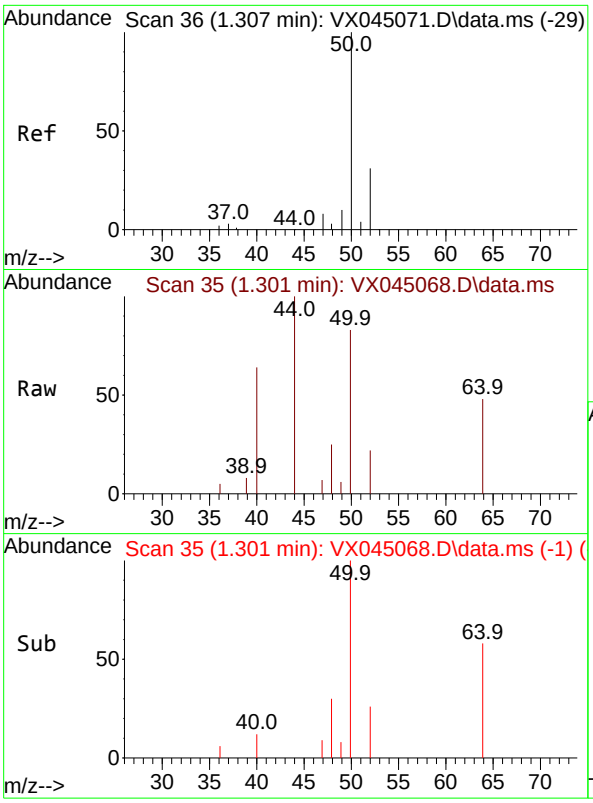


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3



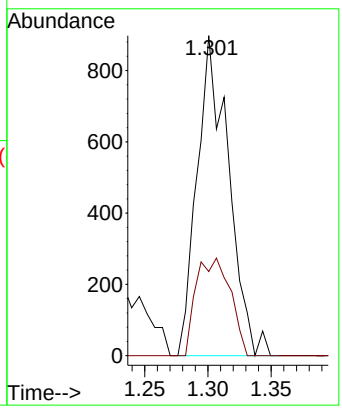


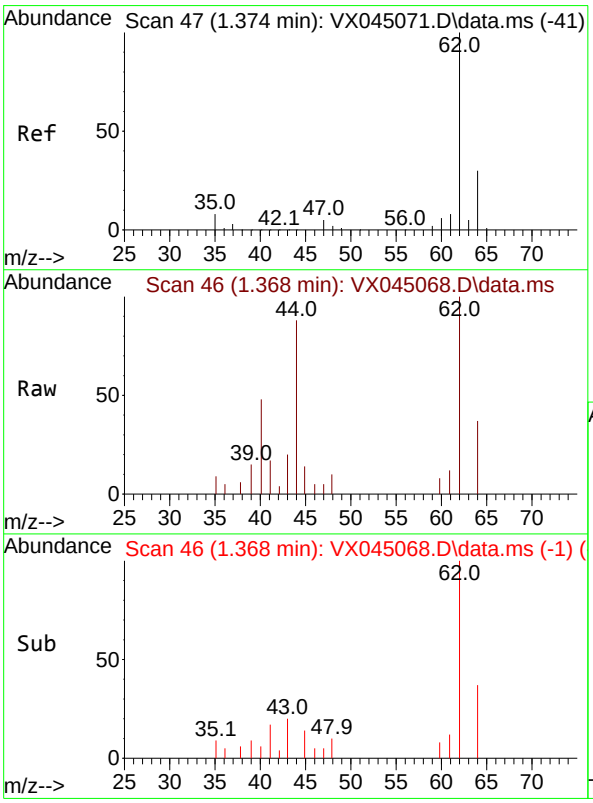
#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1552

Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4

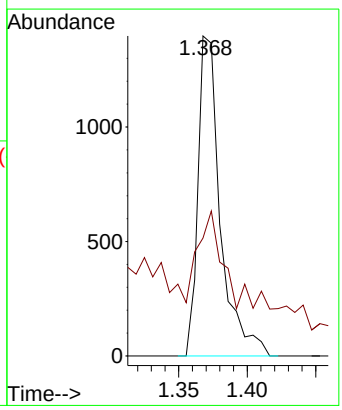


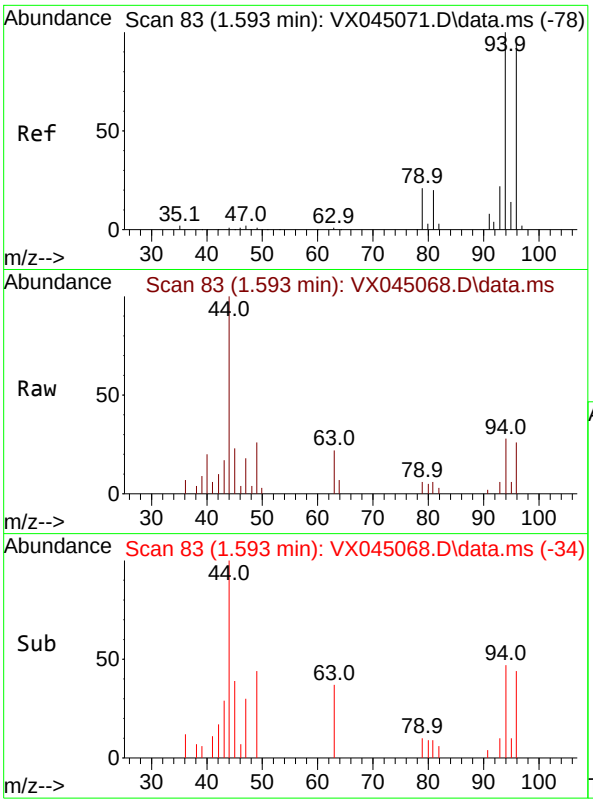


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#



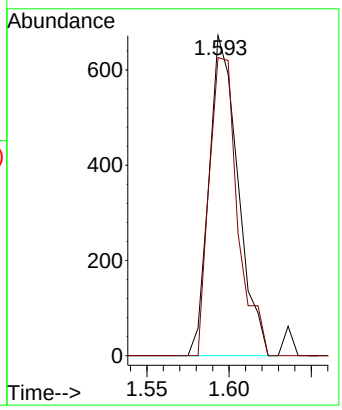


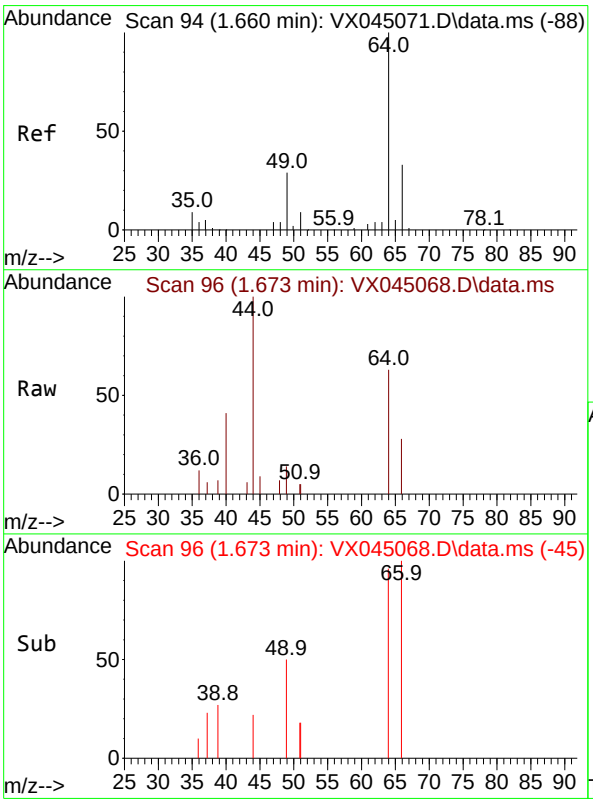
#5
Bromomethane
Concen: 1.335 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 824

Ion	Ratio	Lower	Upper
94	100		
96	93.2	75.0	112.4

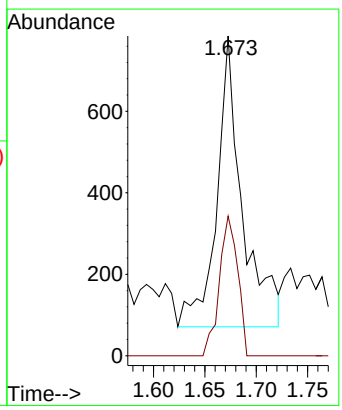


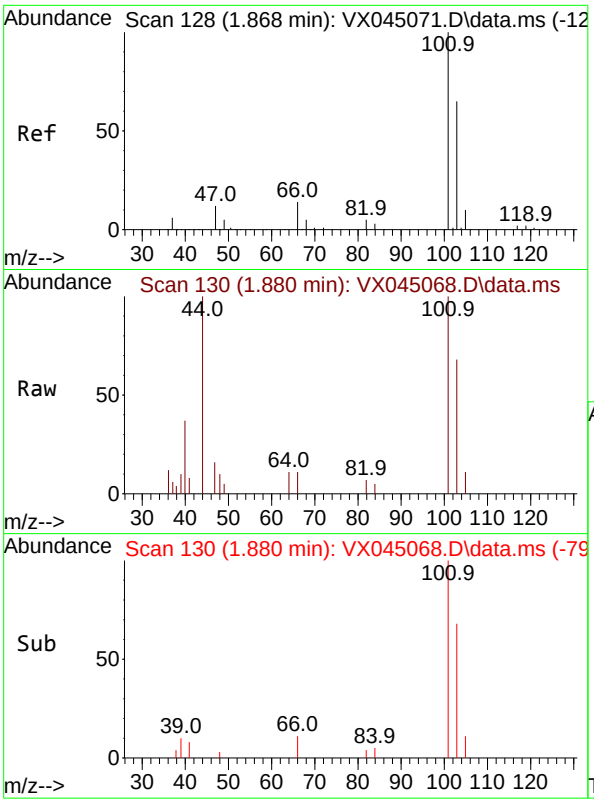


#6
Chloroethane
Concen: 1.591 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 1228

Ion	Ratio	Lower	Upper
64	100		
66	48.0	26.7	40.1#



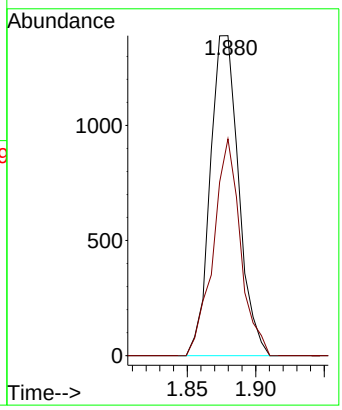


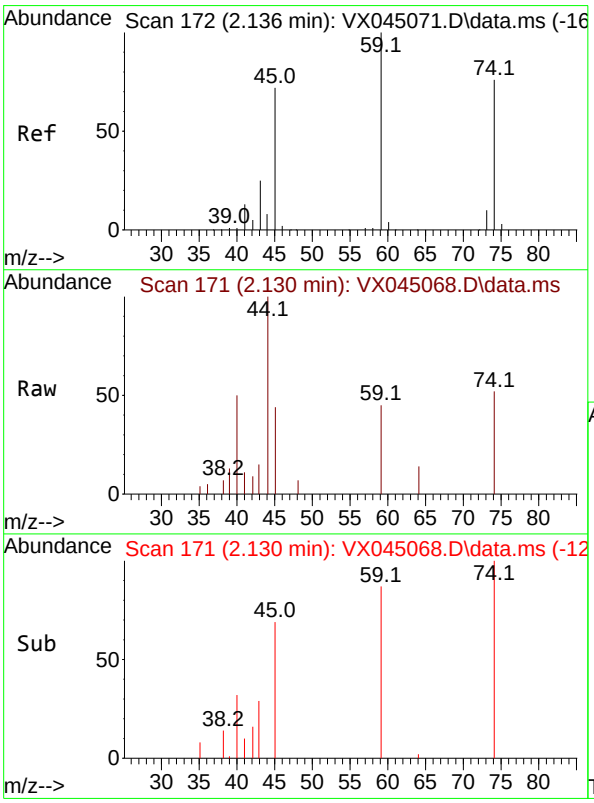
#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2011

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.1	78.1

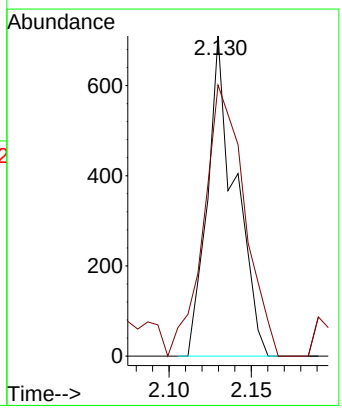


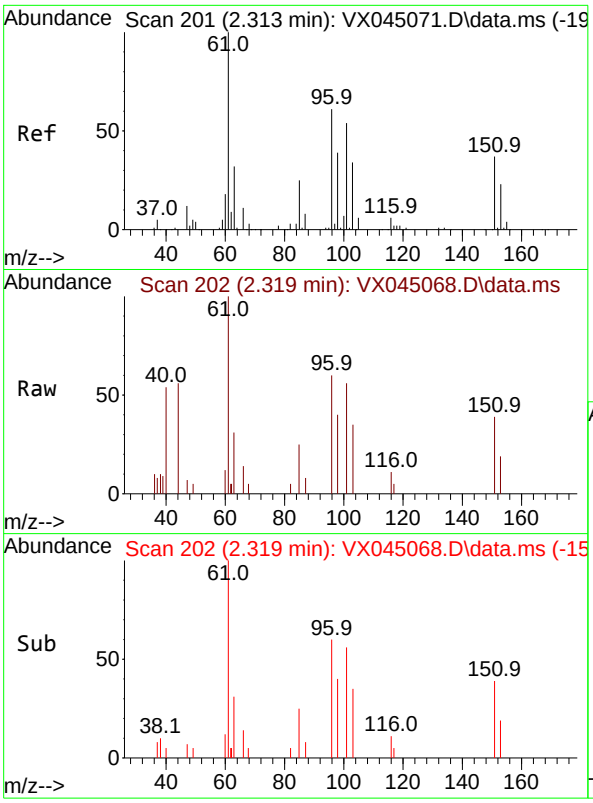


#8
Diethyl Ether
Concen: 1.045 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 74 Resp: 835

Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5



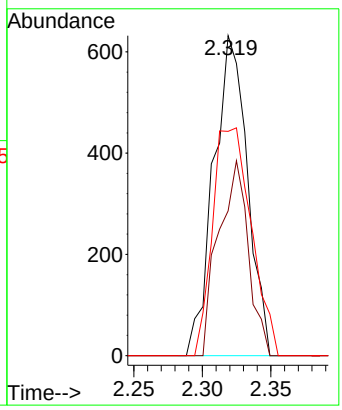


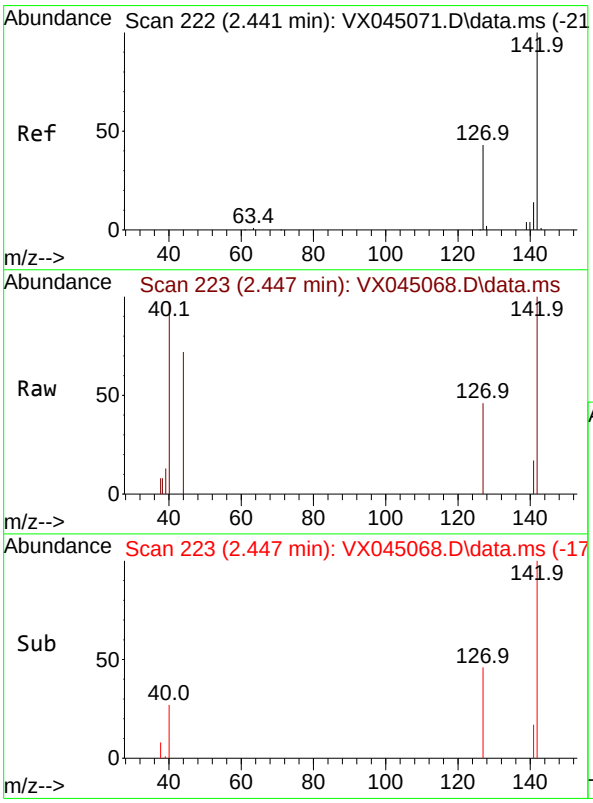
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1081

Ion	Ratio	Lower	Upper
101	100		
85	53.7	36.2	54.4
151	81.9	56.4	84.6

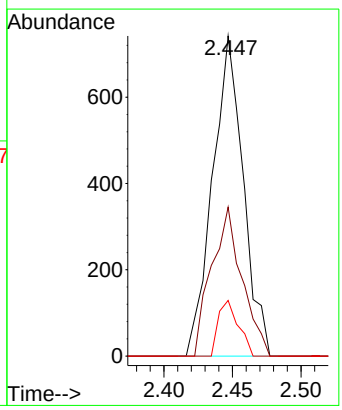


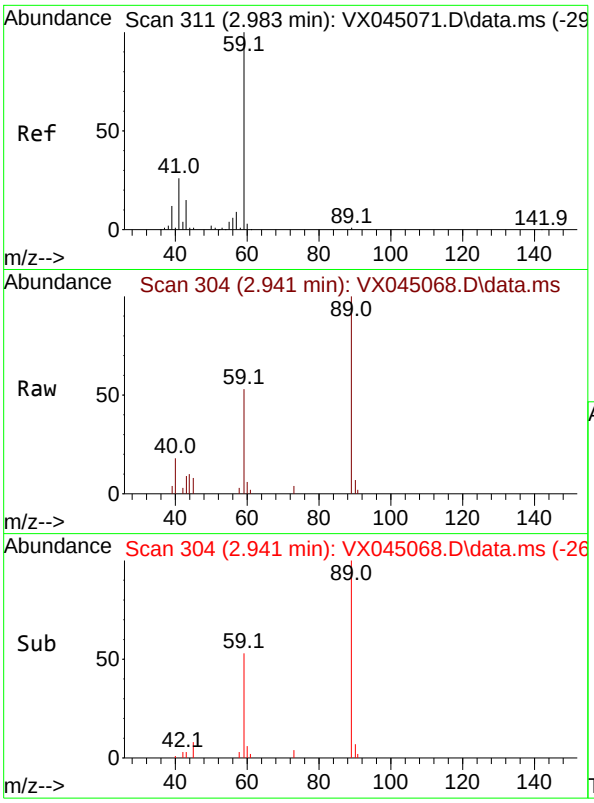


#10
Methyl Iodide
Concen: 0.775 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:142 Resp: 1156

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	11.3	11.6	17.4#



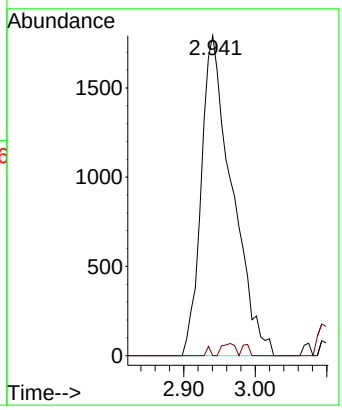


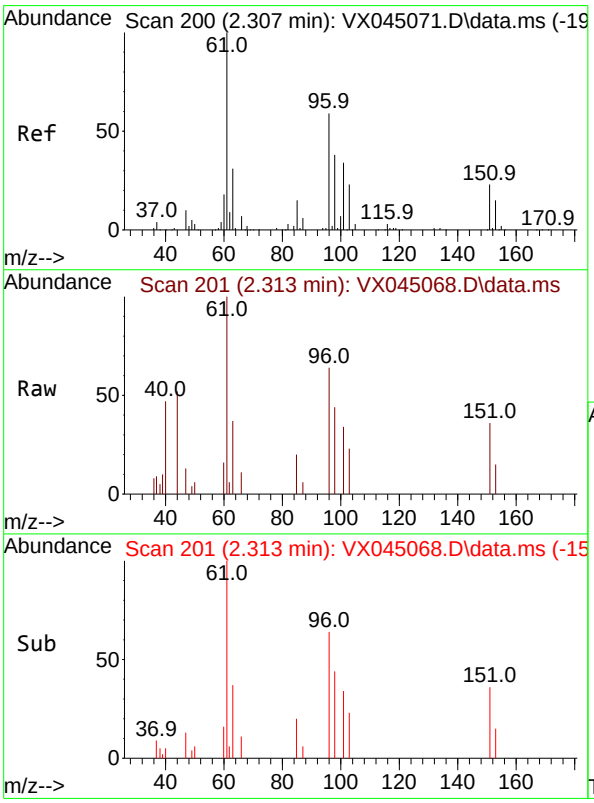
#11
Tert butyl alcohol
Concen: 17.299 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.043 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 5356

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

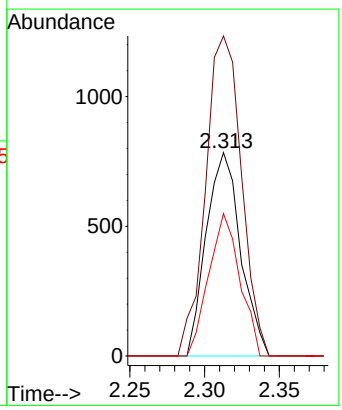


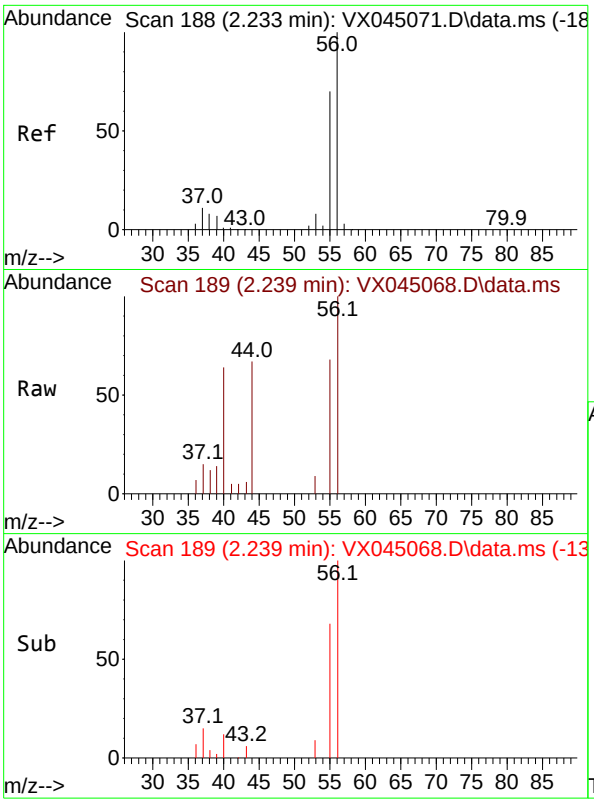


#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 1251

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



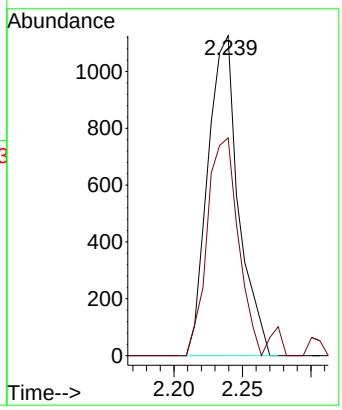


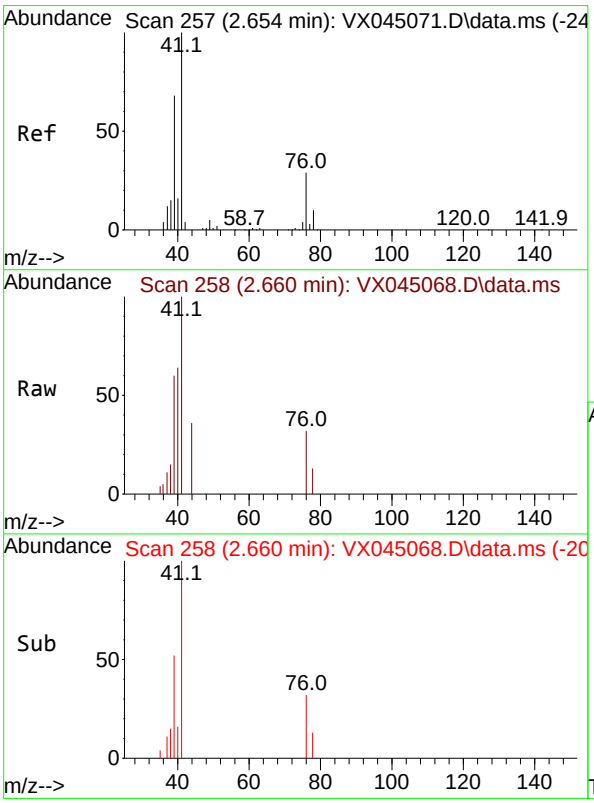
#13
Acrolein
Concen: 4.906 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1756

Ion	Ratio	Lower	Upper
56	100		
55	68.8	56.2	84.4

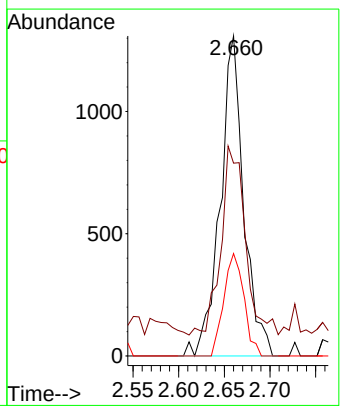


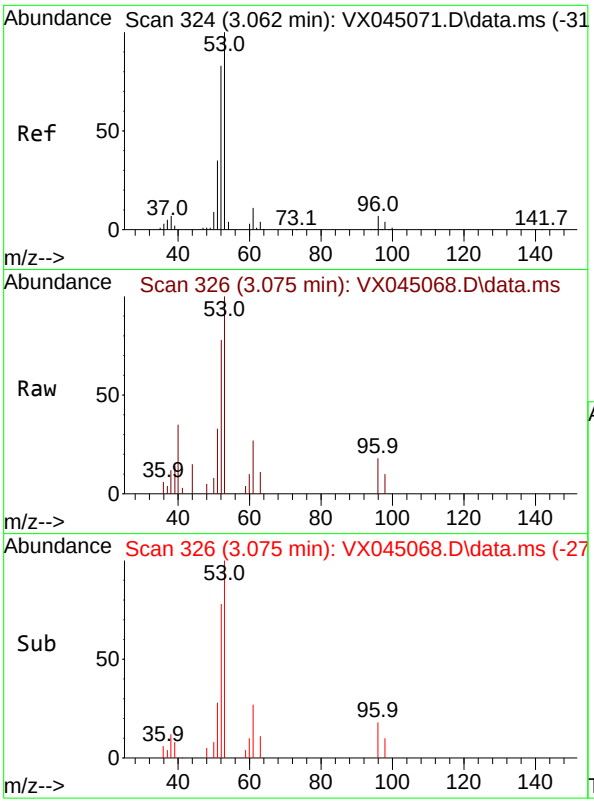


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 2343

Ion	Ratio	Lower	Upper
41	100		
39	62.3	53.8	80.8
76	27.4	25.2	37.8



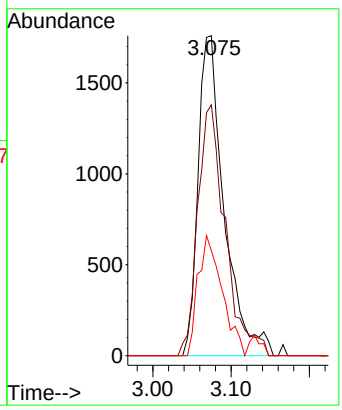


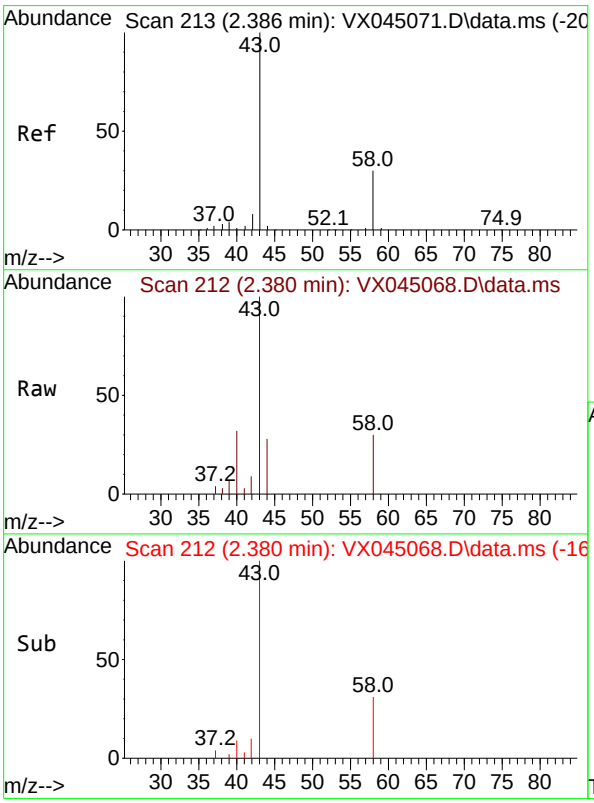
#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4067

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

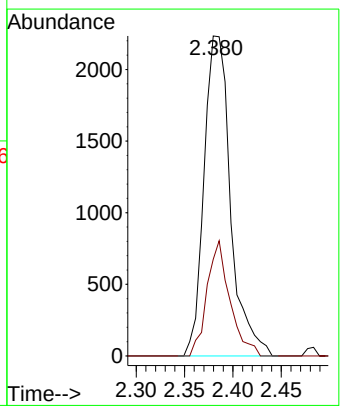


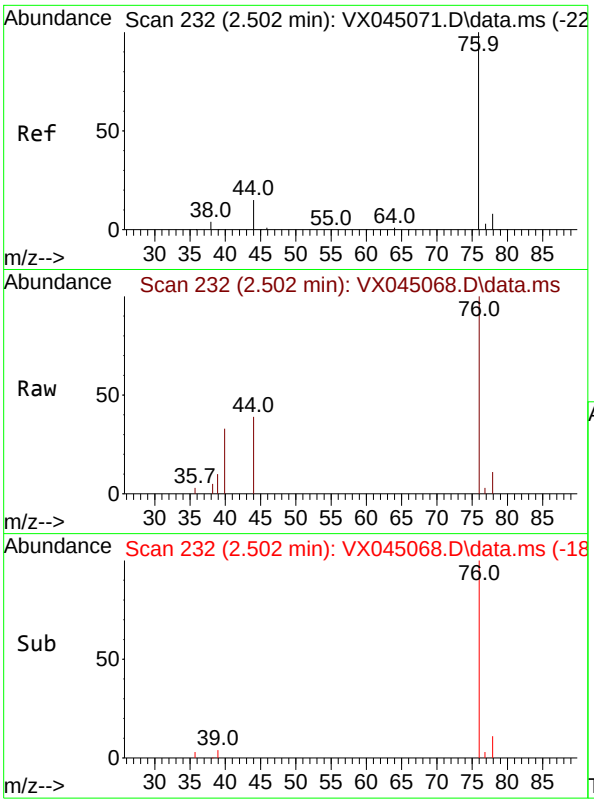


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 4259

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4



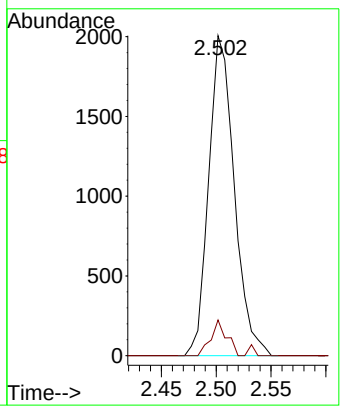


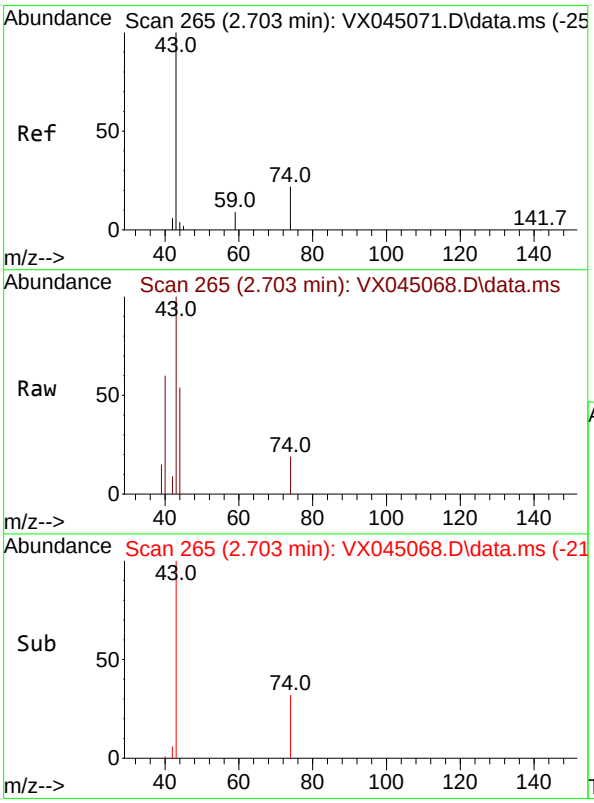
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3256

Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8#

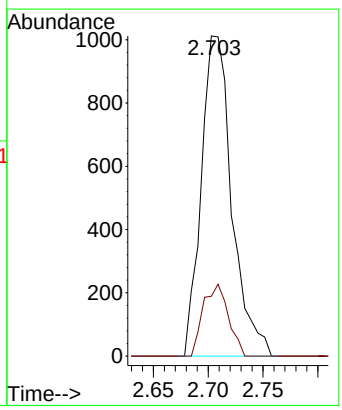


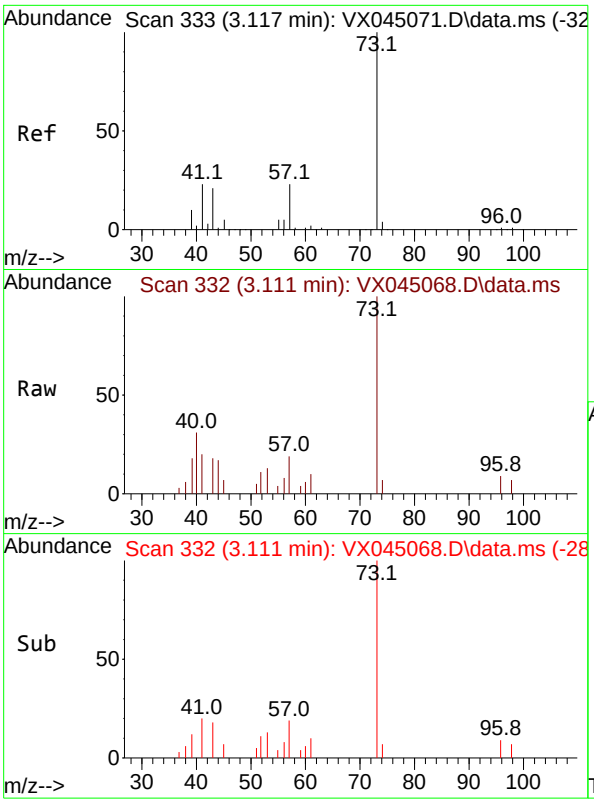


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2



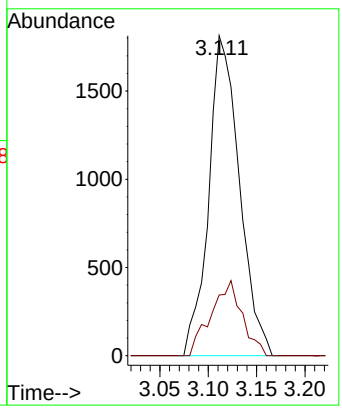


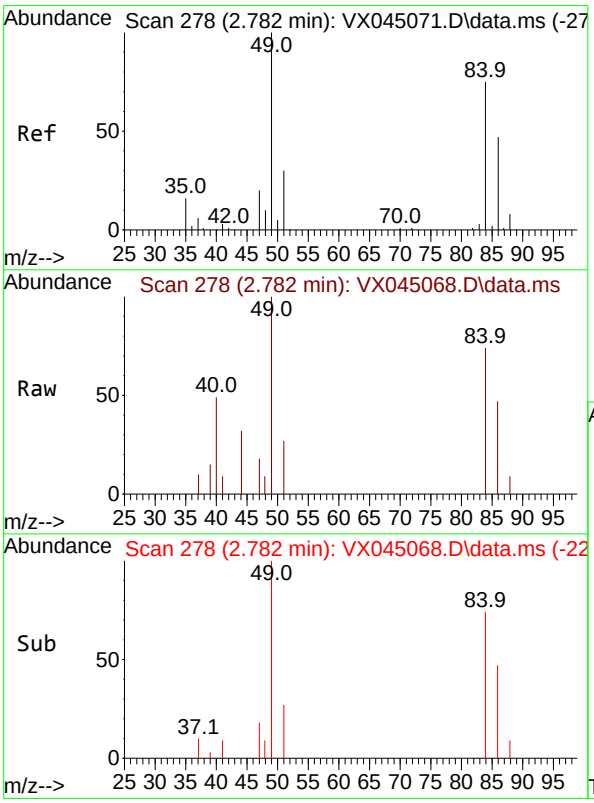
#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 4017

Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7

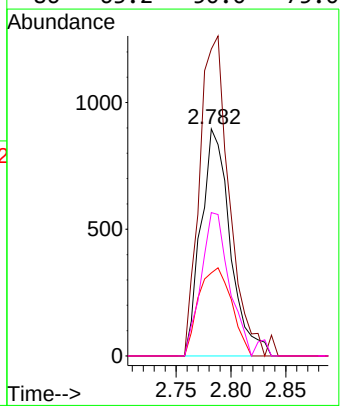


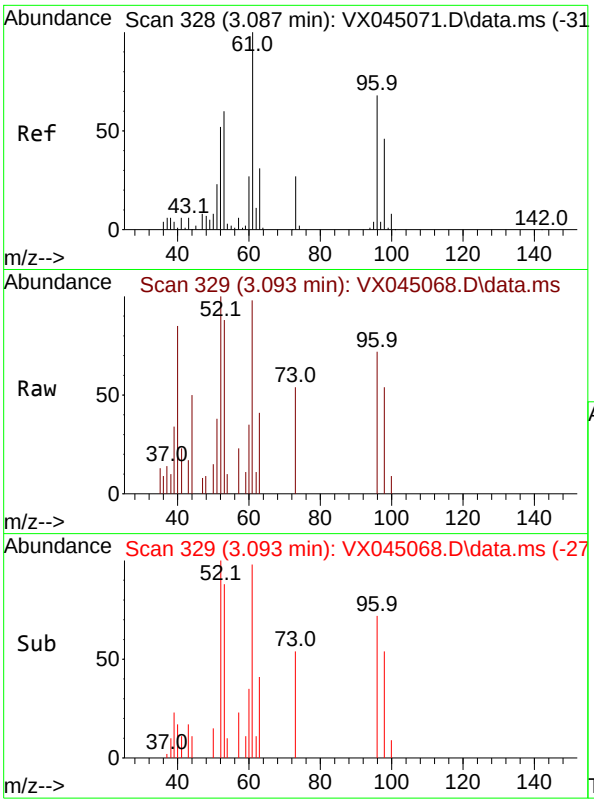


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 84 Resp: 1656

Ion	Ratio	Lower	Upper
84	100		
49	135.2	106.5	159.7
51	36.6	32.1	48.1
86	63.2	50.0	75.0



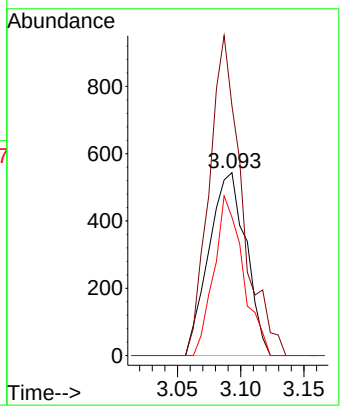


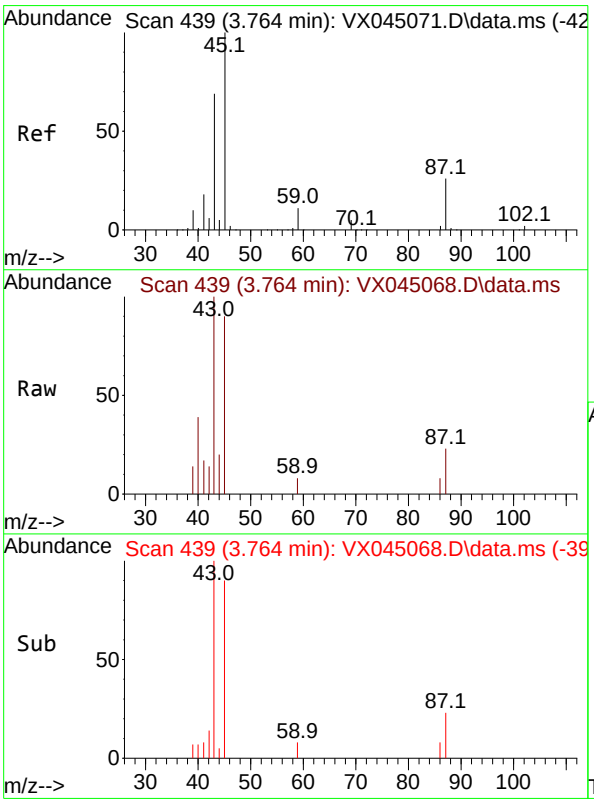
#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1109

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

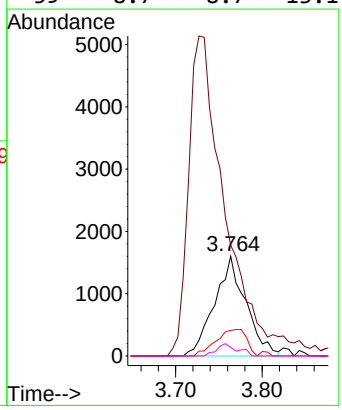


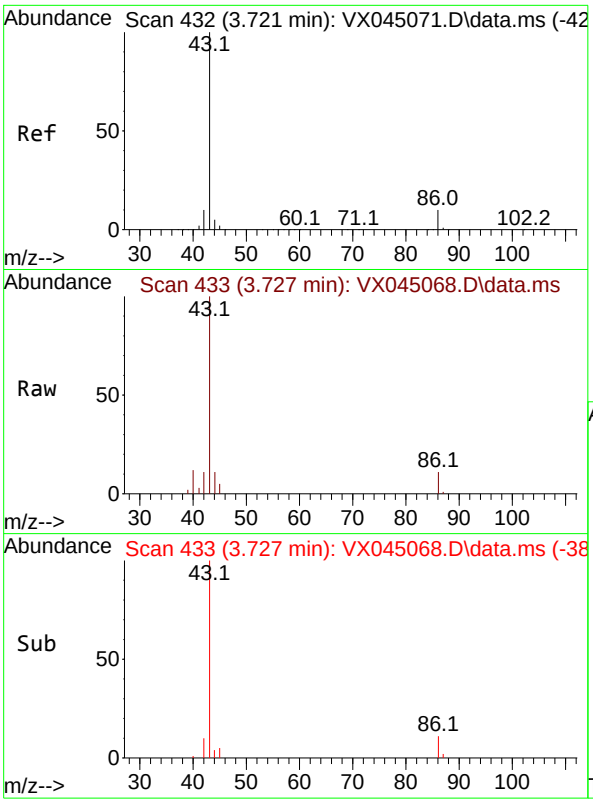


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 45 Resp: 4026

Ion	Ratio	Lower	Upper
45	100		
43	91.9	54.9	82.3#
87	25.6	21.0	31.4
59	8.7	8.7	13.1



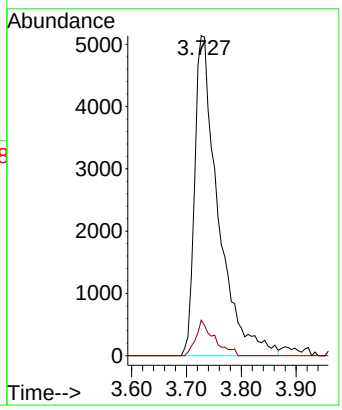


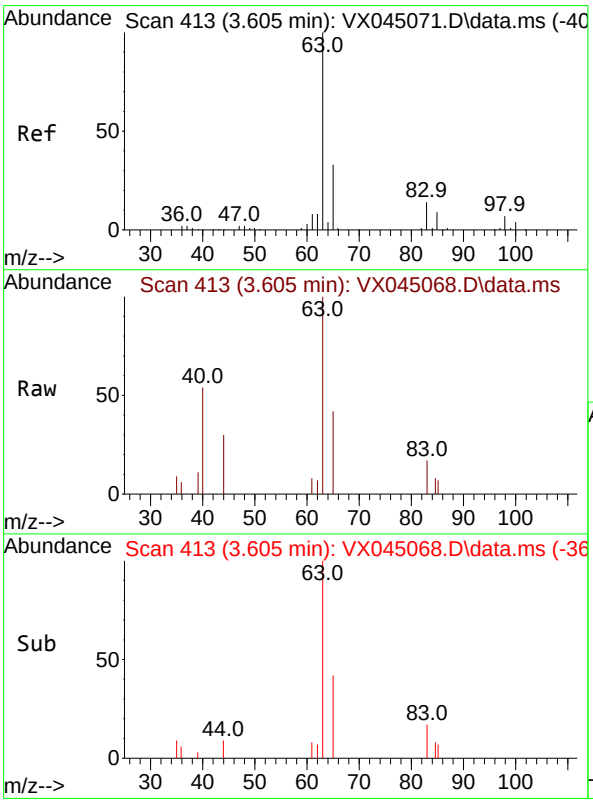
#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 15271

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

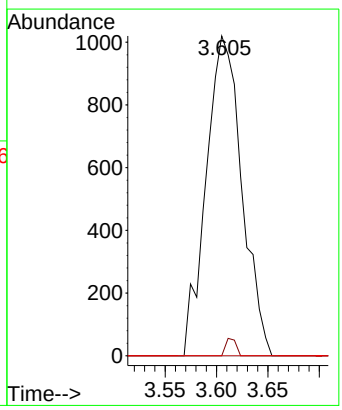


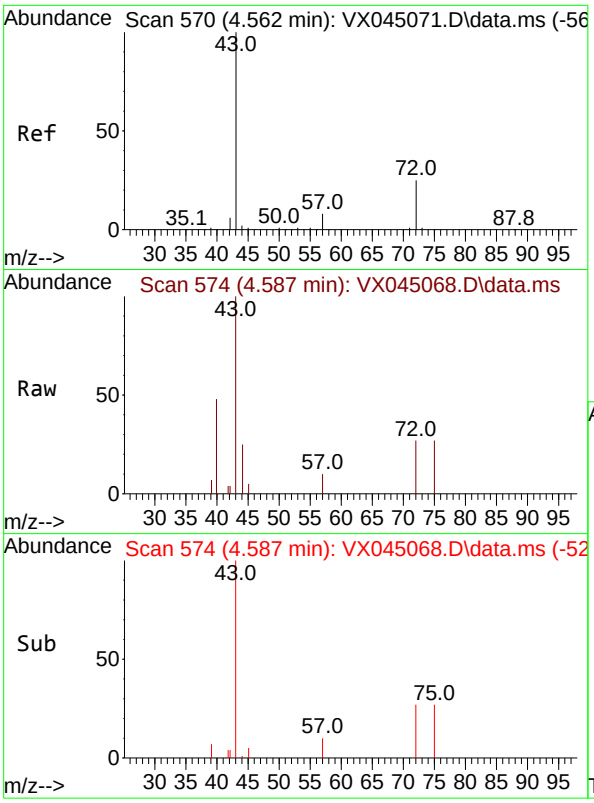


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 2467

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#



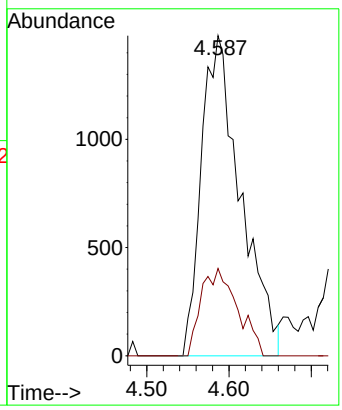


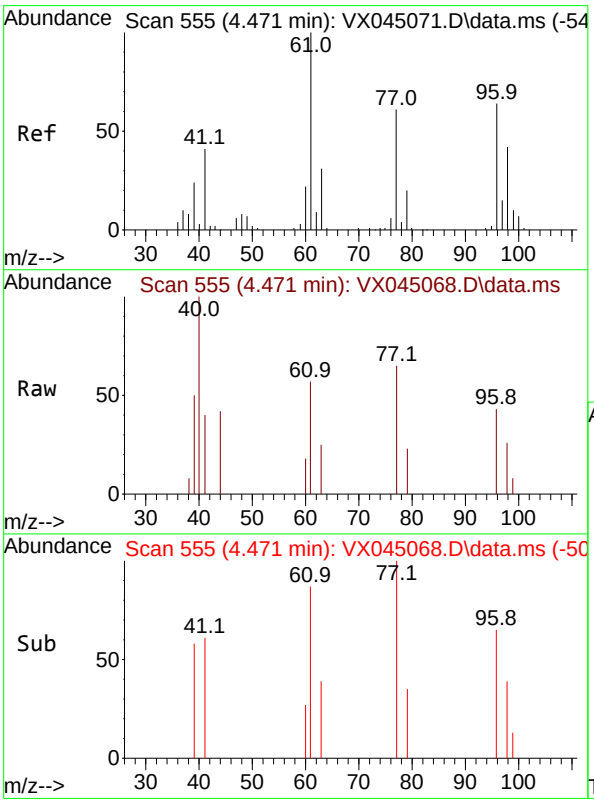
#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4894

Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0

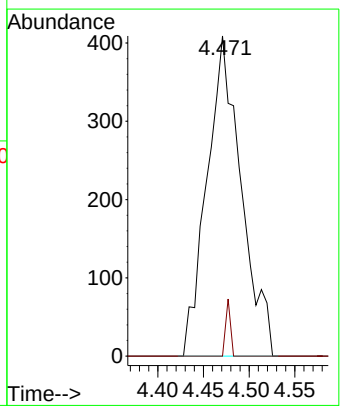


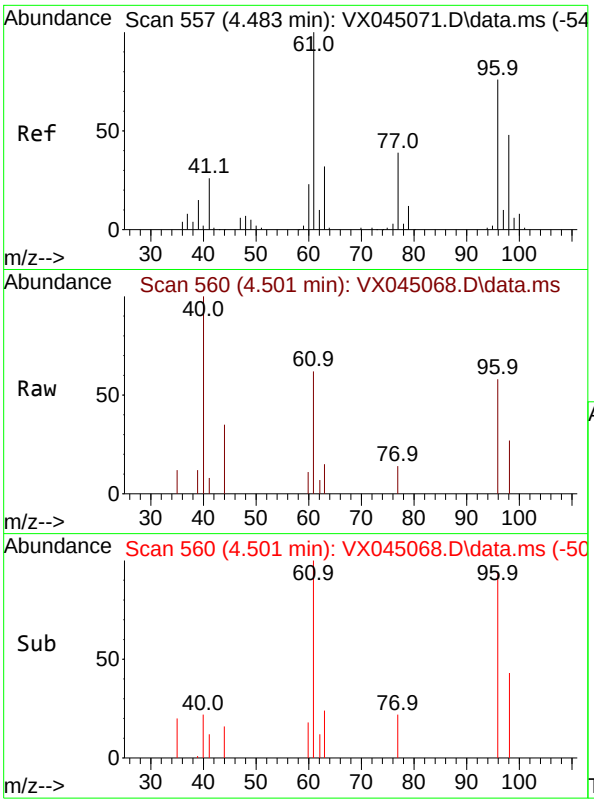


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 77 Resp: 1066

Ion	Ratio	Lower	Upper
77	100		
97	2.5	12.4	37.0#



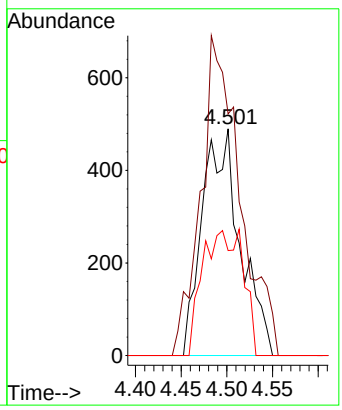


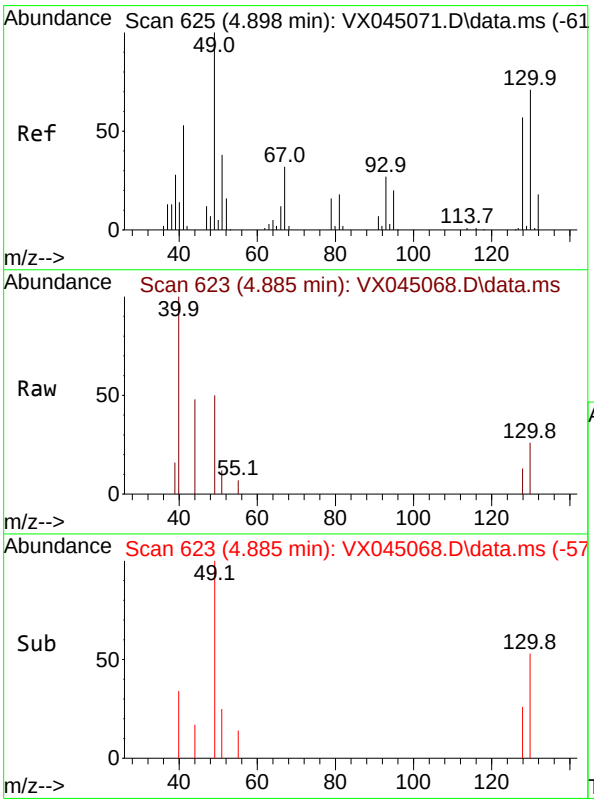
#27
cis-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1412

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

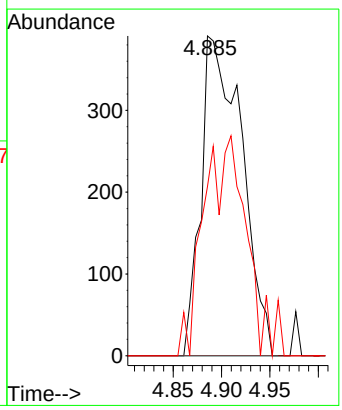


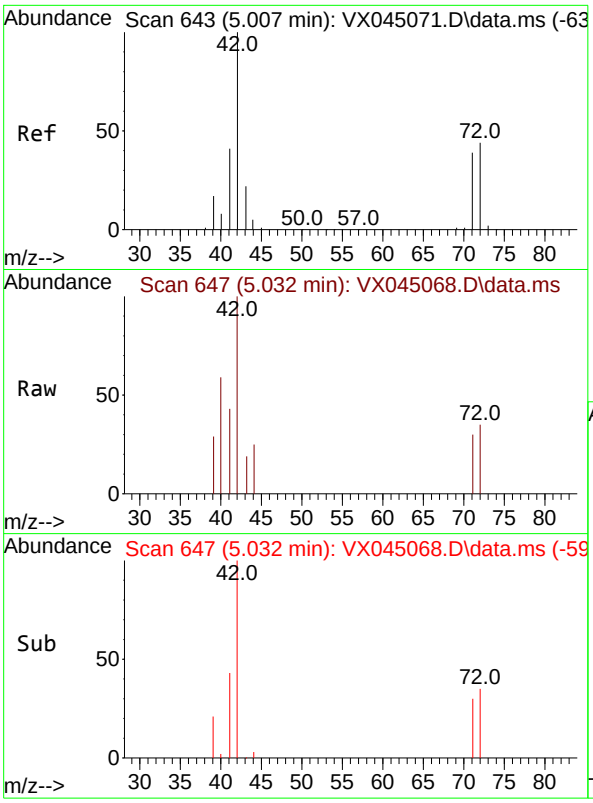


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 49 Resp: 1144

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	31.5	56.1	84.1#



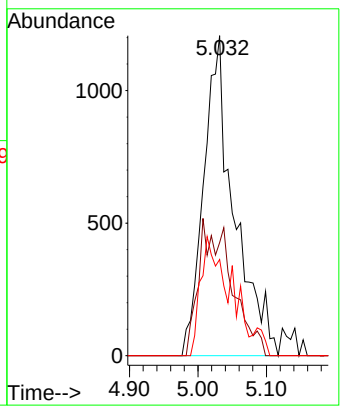


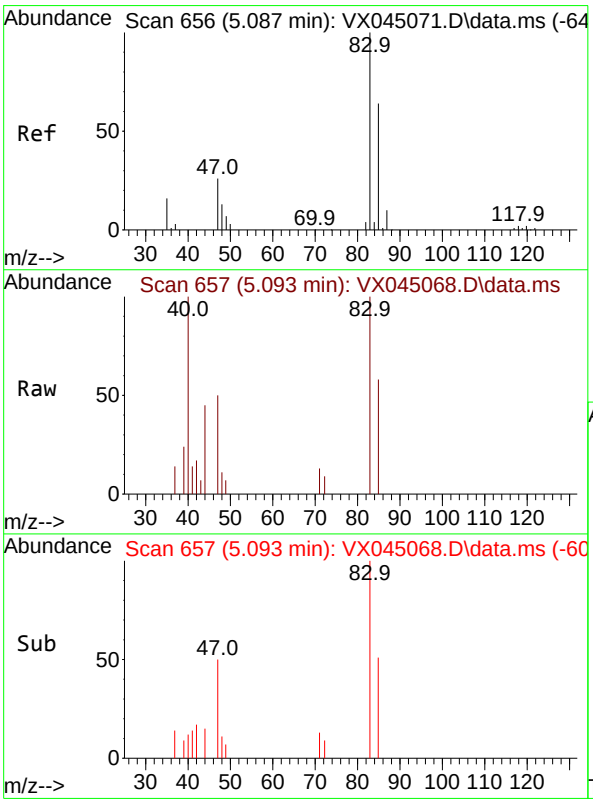
#29
Tetrahydrofuran
Concen: 4.809 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 3719

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

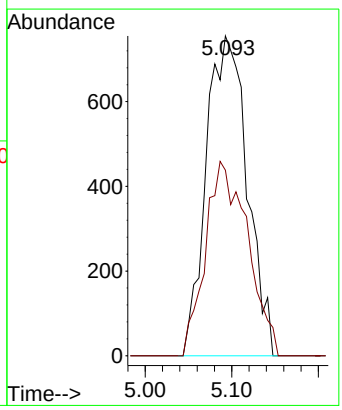


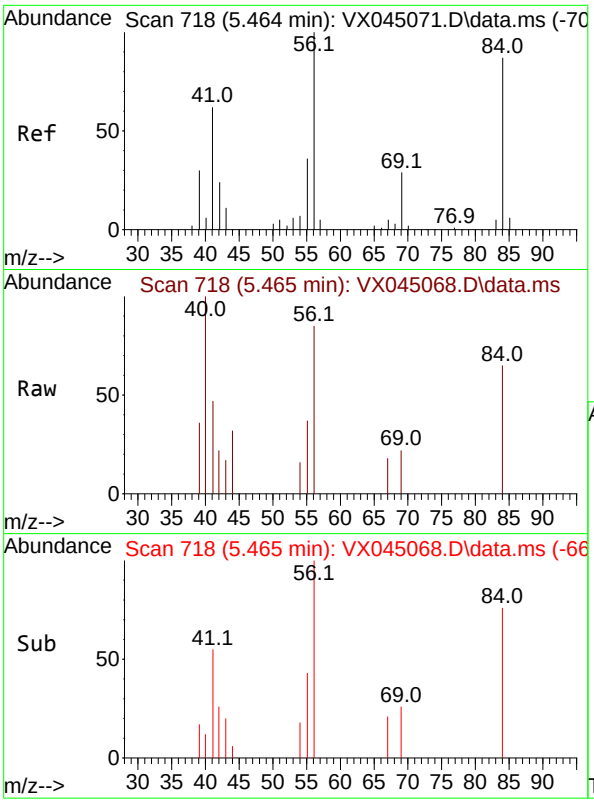


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 2478

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.2



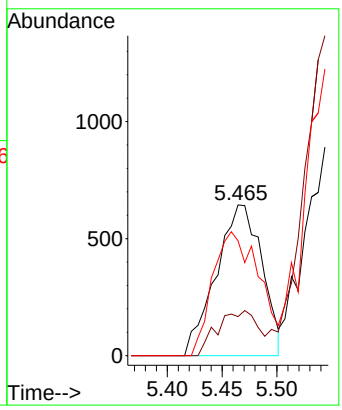


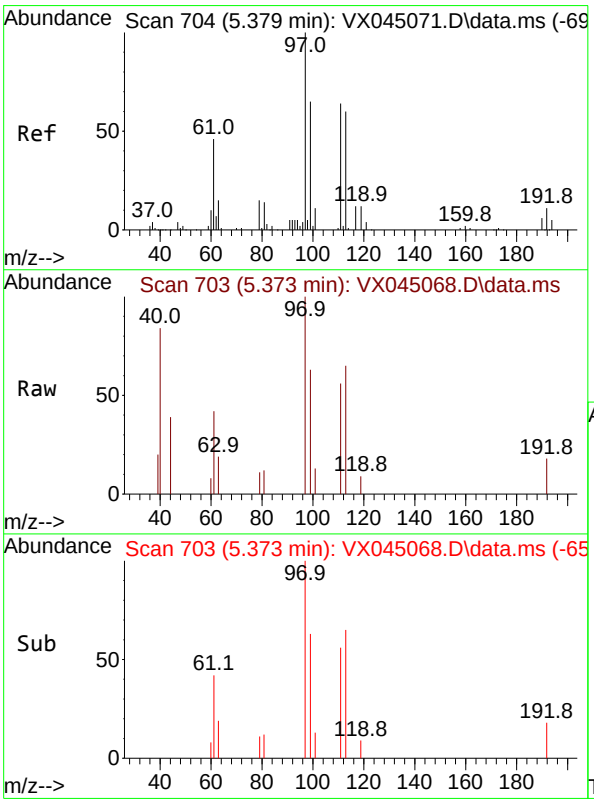
#31
Cyclohexane
Concen: 0.843 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1875

Ion	Ratio	Lower	Upper
56	100		
69	25.9	23.4	35.2
84	76.2	69.4	104.2

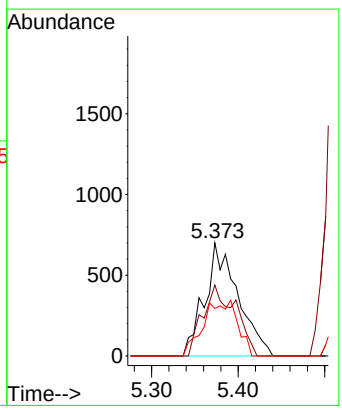


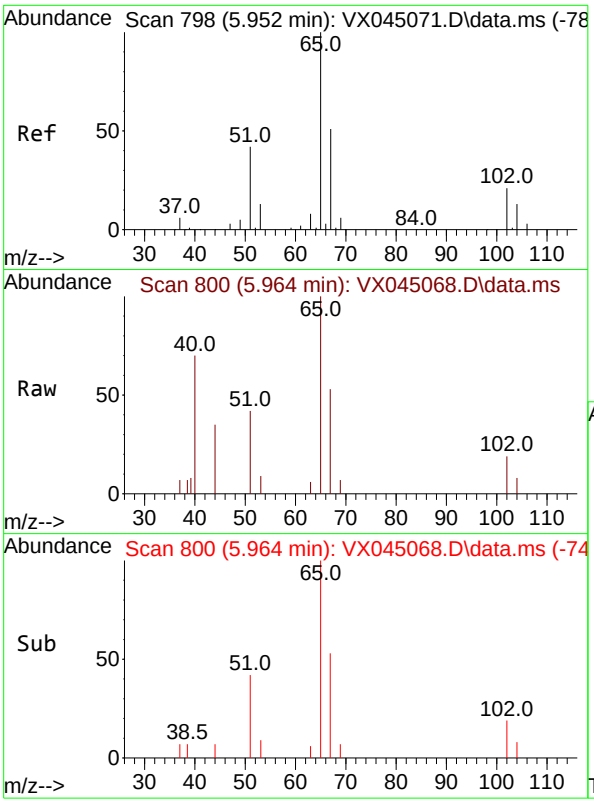


#32
1,1,1-Trichloroethane
Concen: 0.893 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 97 Resp: 1867

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



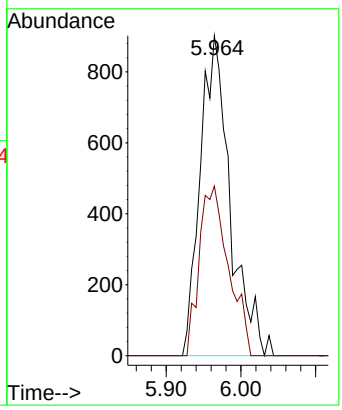


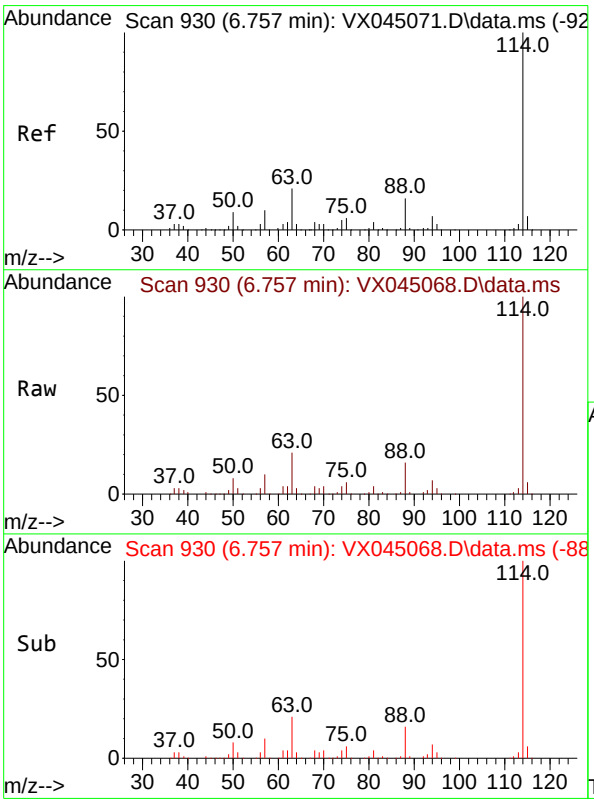
#33
1,2-Dichloroethane-d4
Concen: 1.537 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2512

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2

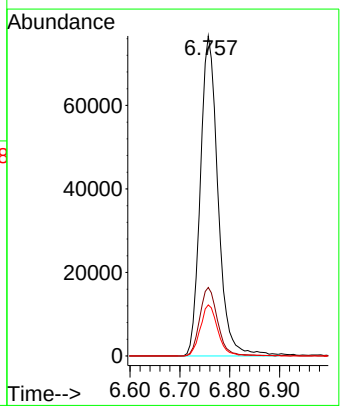


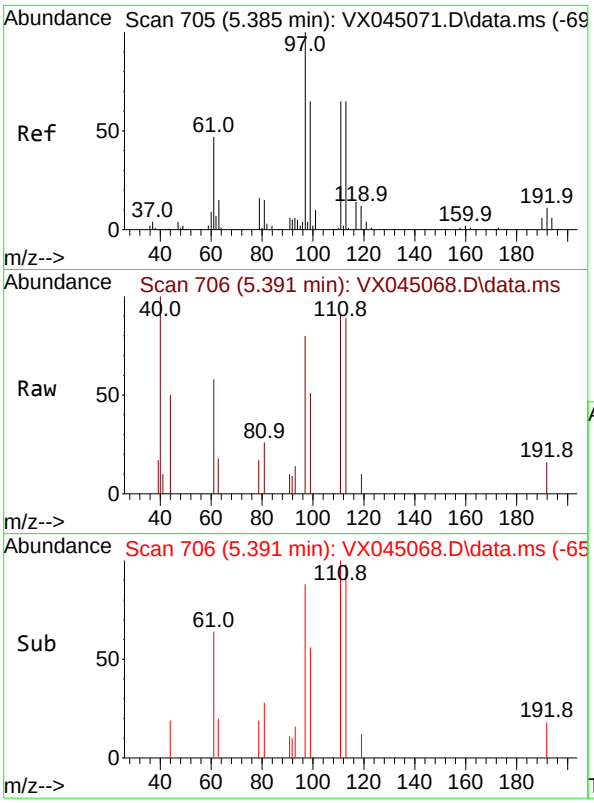


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:114 Resp: 188642

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



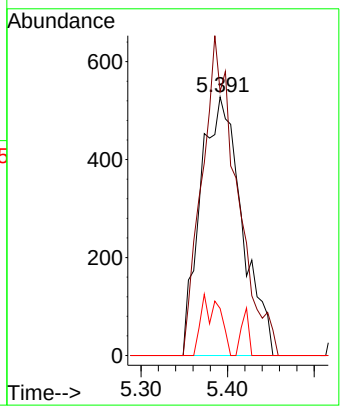


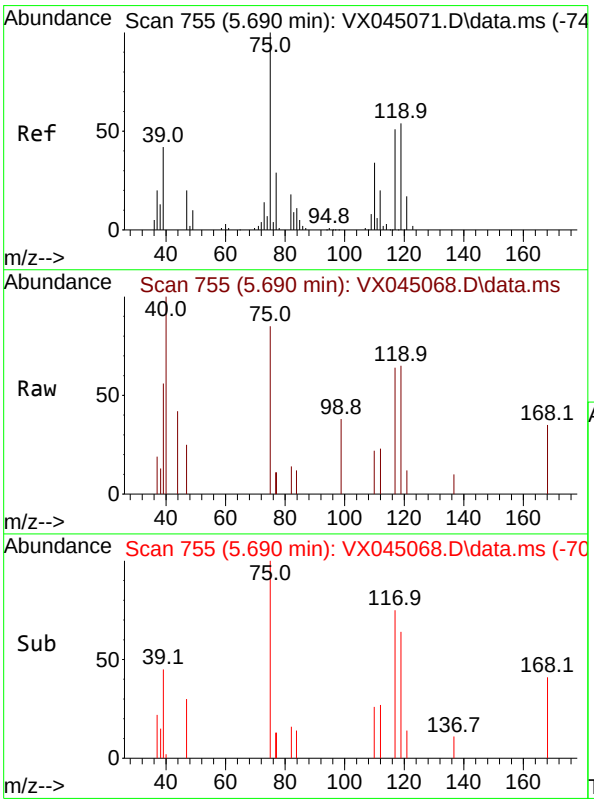
#35
Dibromofluoromethane
Concen: 1.389 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 1752

Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.8	122.6
192	5.1	14.3	21.5#

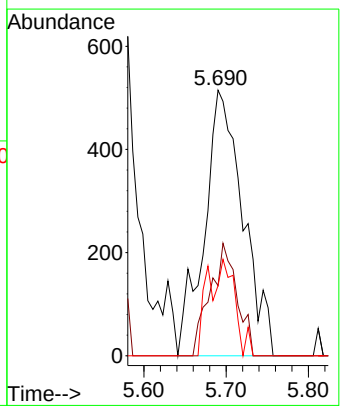


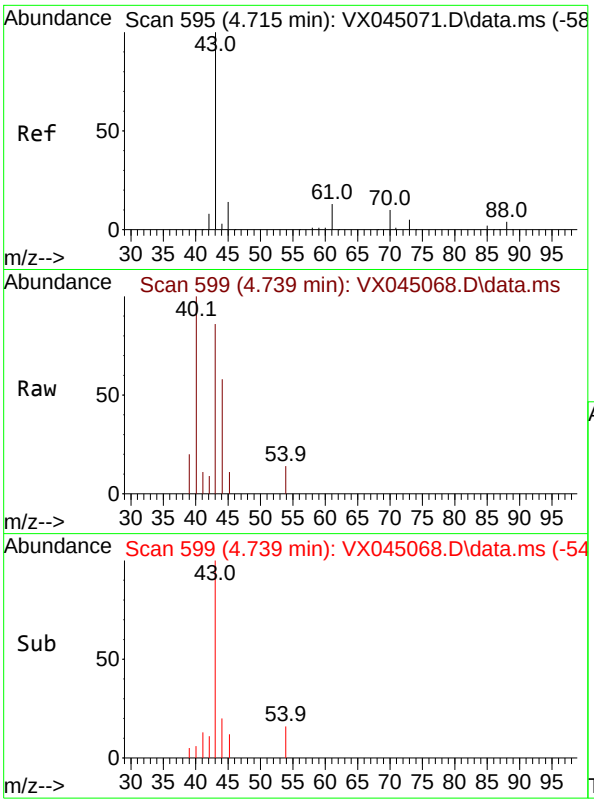


#36
1,1-Dichloropropene
Concen: 0.967 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1681

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



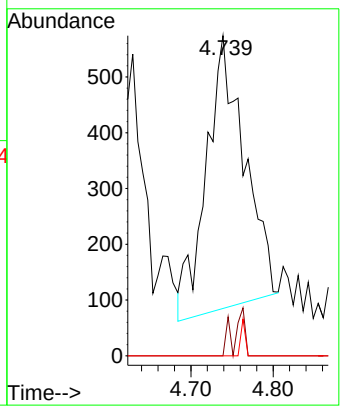


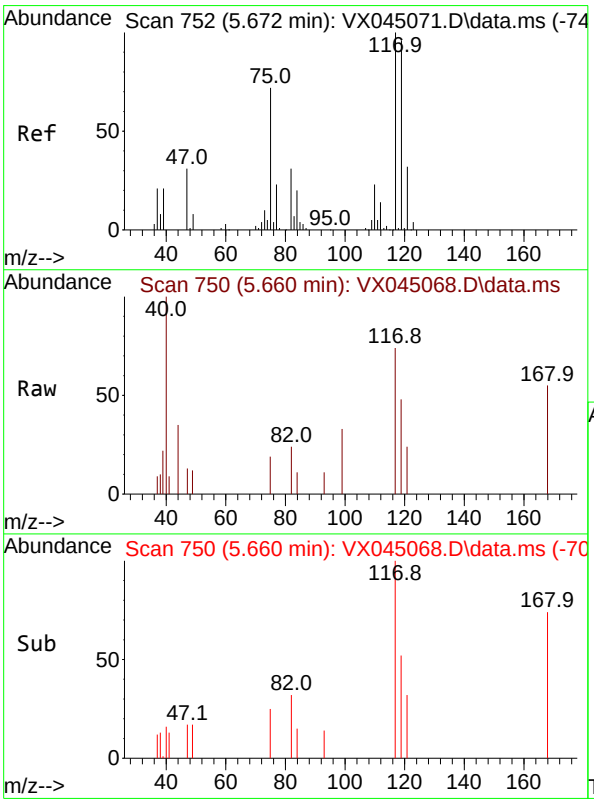
#37
Ethyl Acetate
Concen: 0.703 ug/l
RT: 4.739 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1582

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.7	11.5#

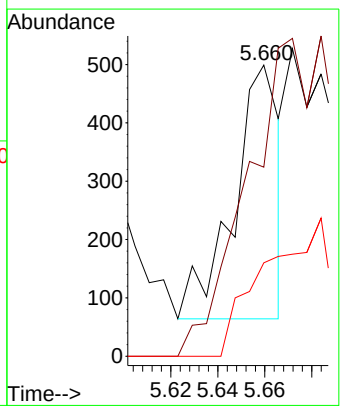


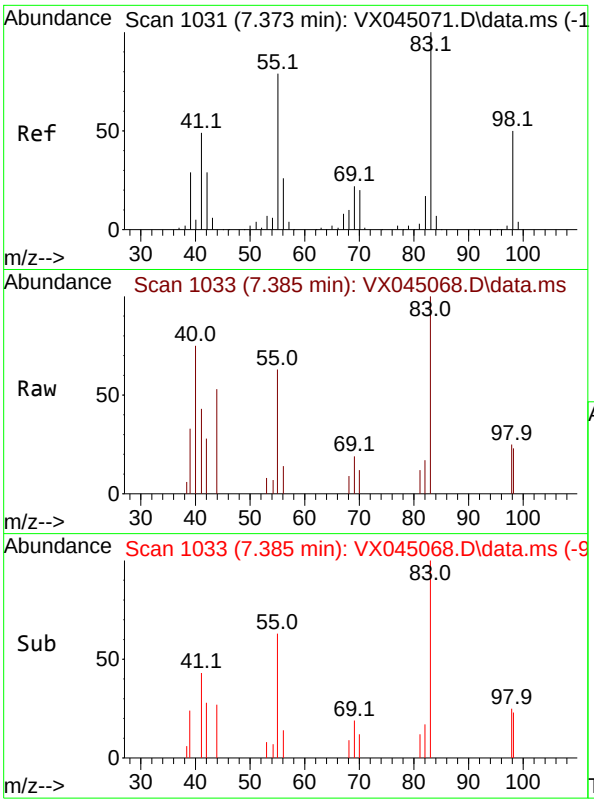


#38
Carbon Tetrachloride
Concen: 0.332 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 588

Ion	Ratio	Lower	Upper
117	100		
119	74.5	76.7	115.1#
121	36.8	25.5	38.3



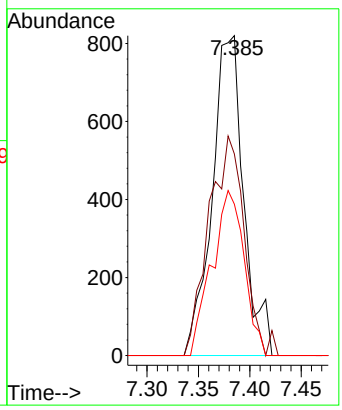


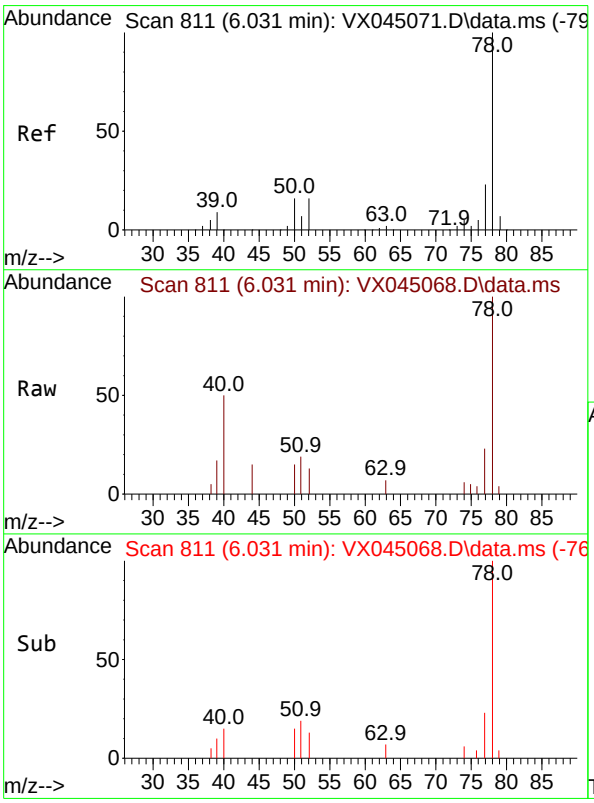
#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1750

Ion	Ratio	Lower	Upper
83	100		
55	63.0	63.0	94.4
98	47.3	39.7	59.5

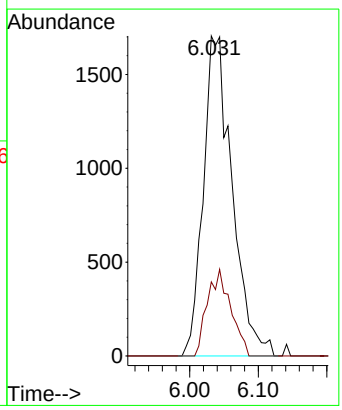


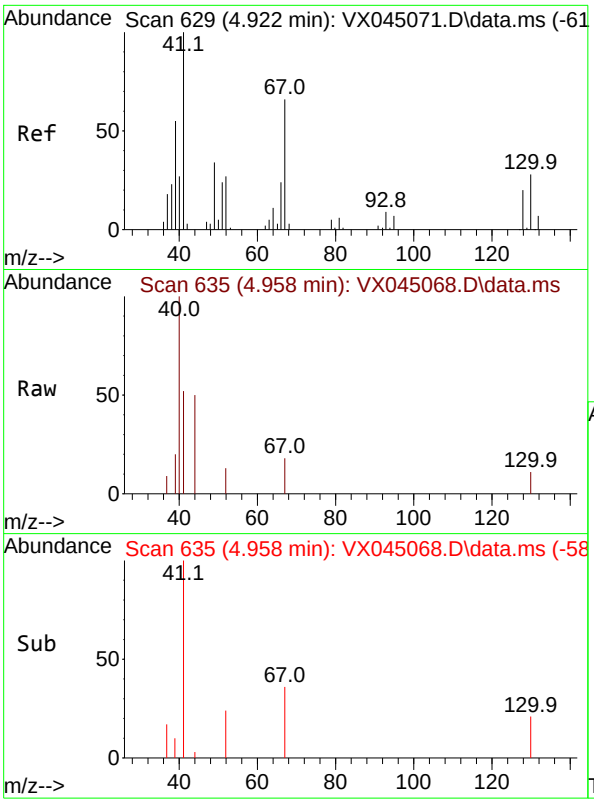


#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 4984

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



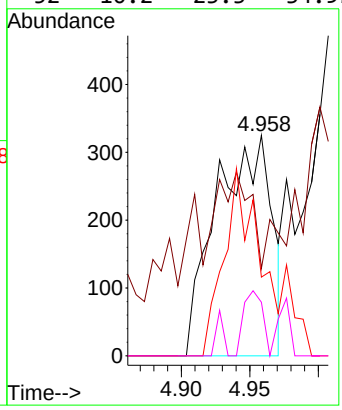


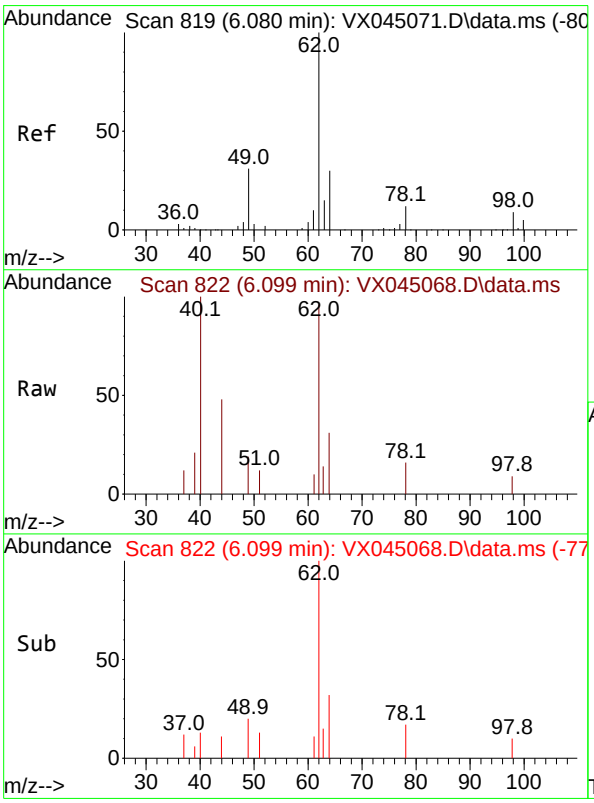
#41
Methacrylonitrile
Concen: 0.748 ug/l
RT: 4.958 min Scan# 6
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 912

Ion	Ratio	Lower	Upper
41	100		
39	34.3	44.6	67.0#
67	63.4	53.9	80.9
52	10.2	23.3	34.9#

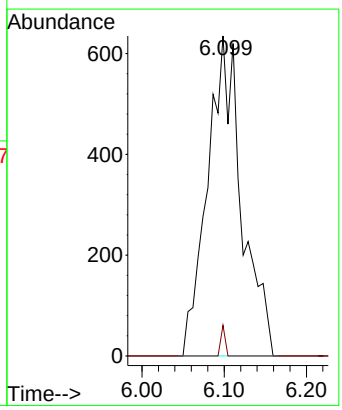


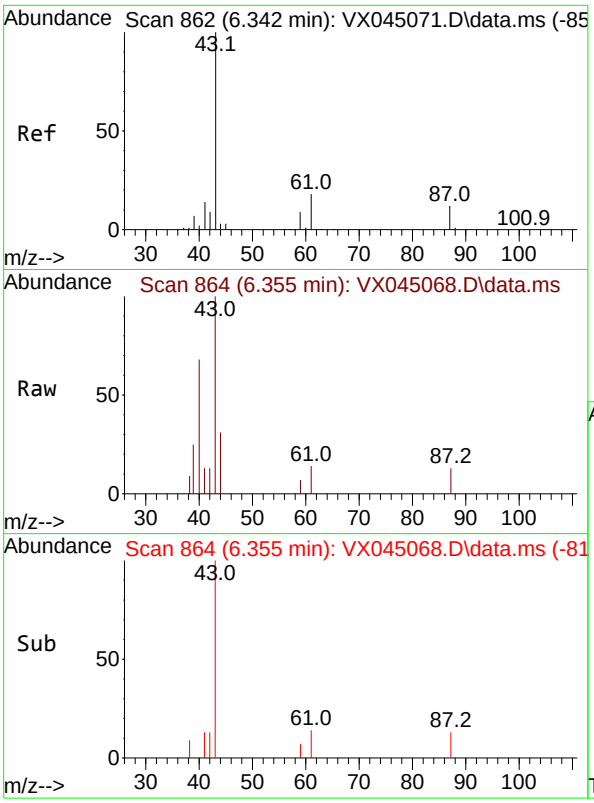


#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1837

Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



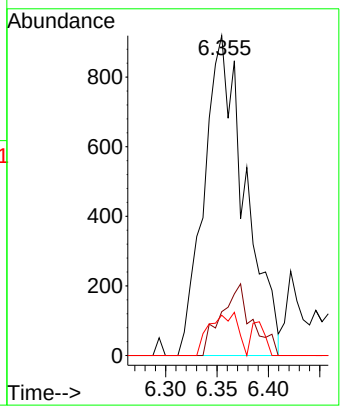


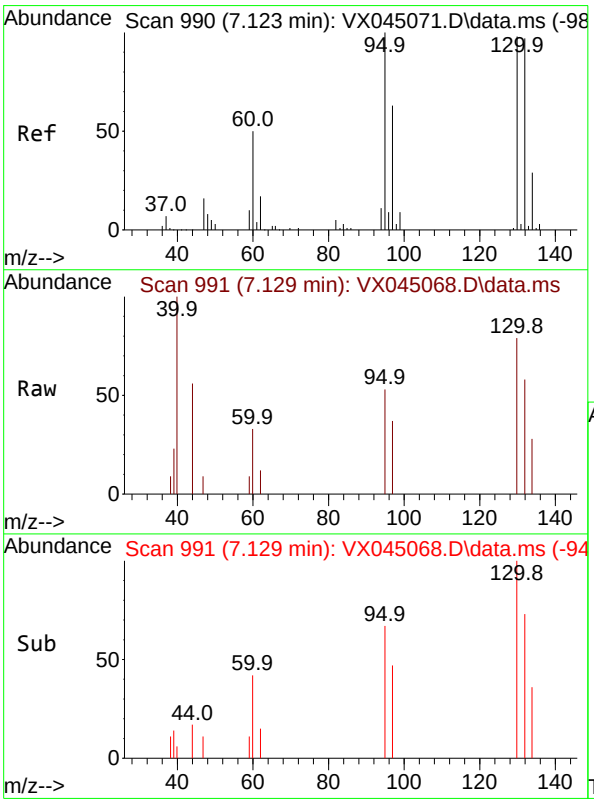
#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2545

Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.9	22.3
87	9.2	9.4	14.2#

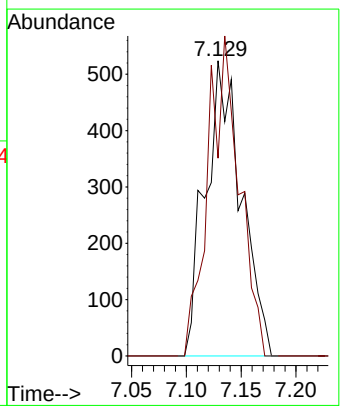


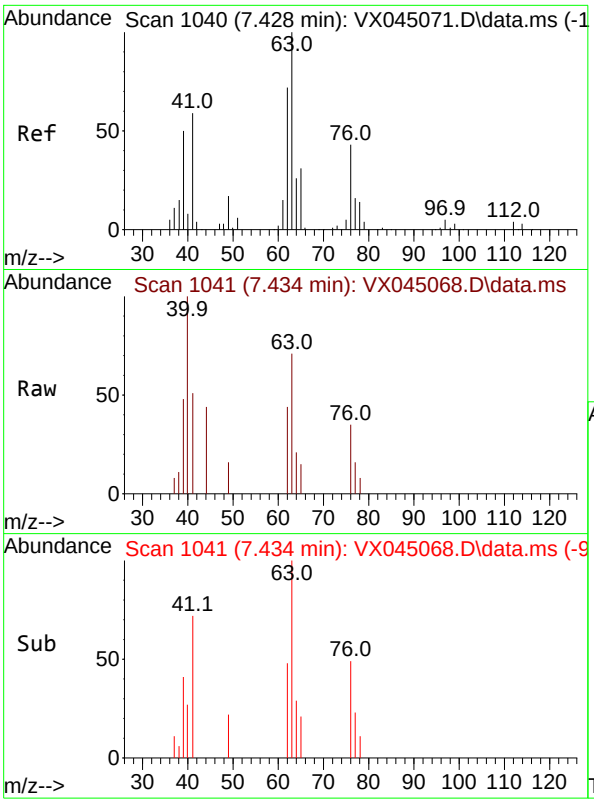


#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:130 Resp: 1202

Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0



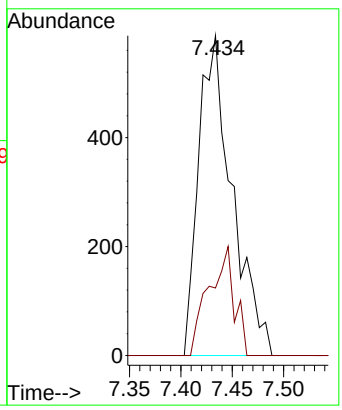


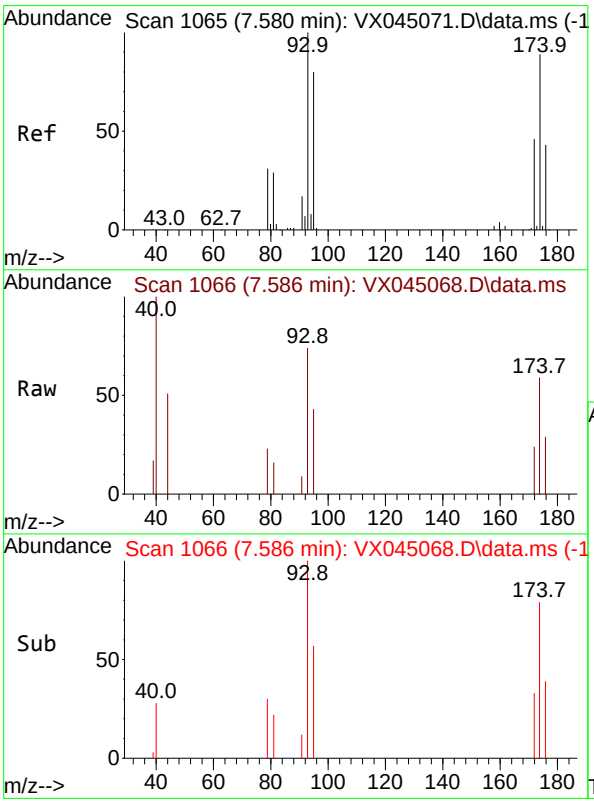
#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

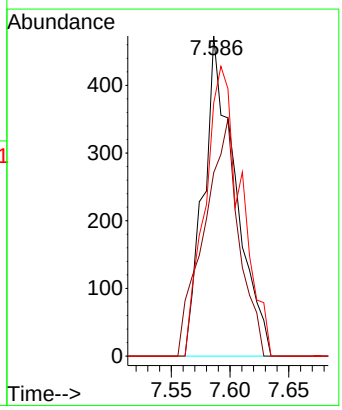


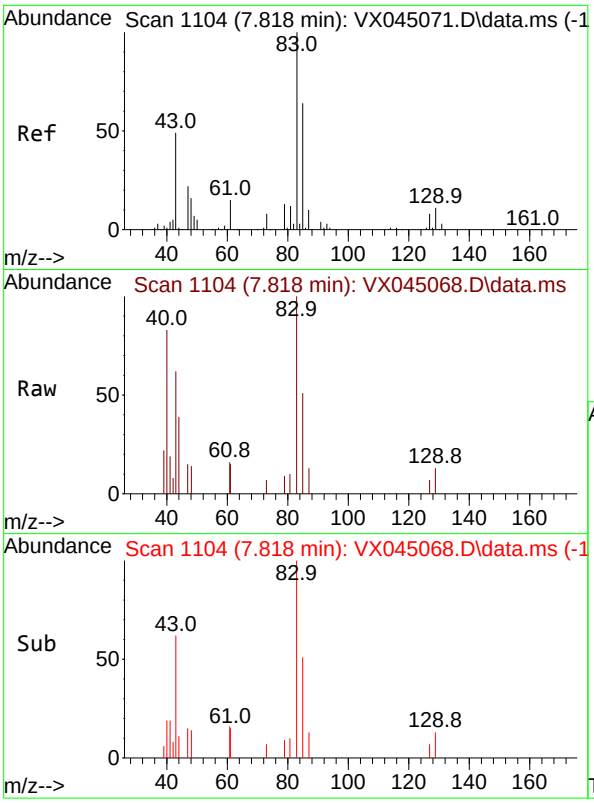


#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 93 Resp: 891

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



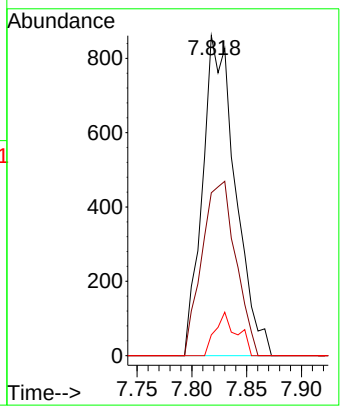


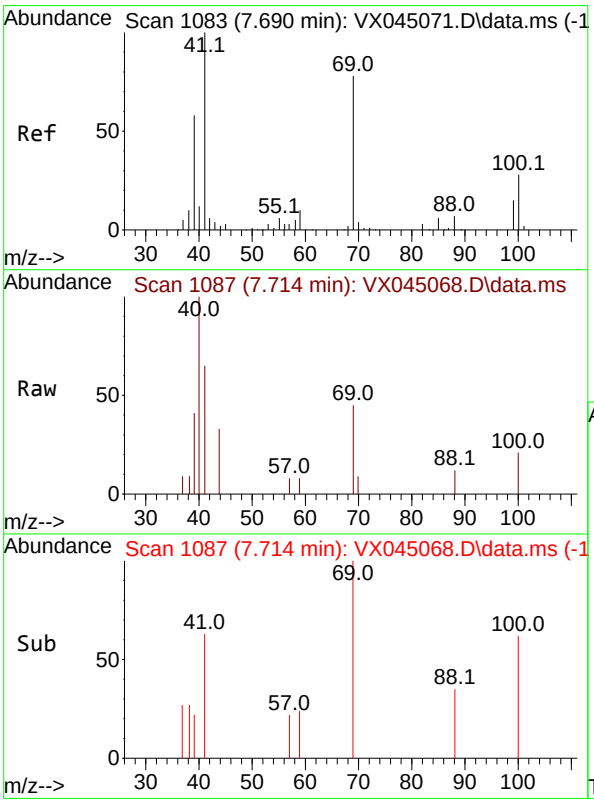
#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1802

Ion	Ratio	Lower	Upper
83	100		
85	50.9	51.1	76.7#
127	6.5	6.4	9.6

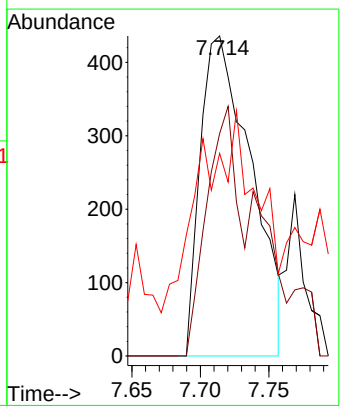


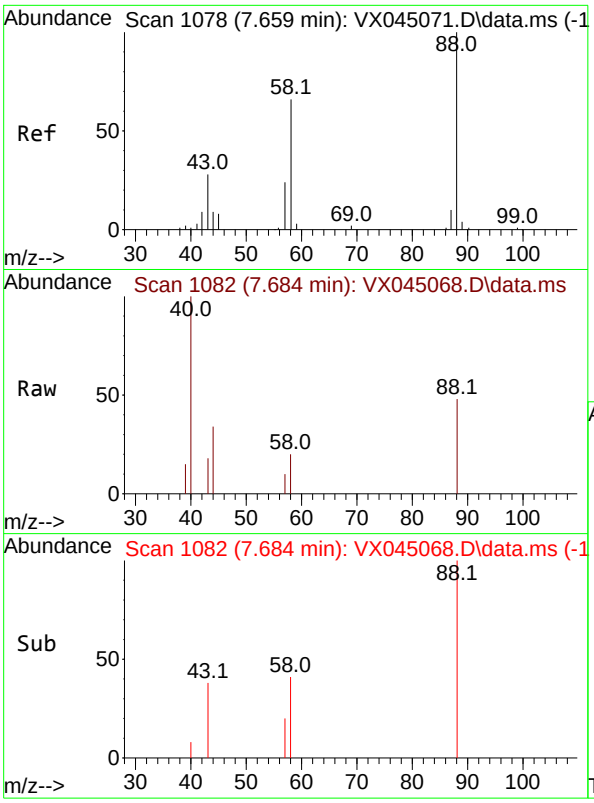


#48
Methyl methacrylate
Concen: 0.699 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 1125

Ion	Ratio	Lower	Upper
41	100		
69	48.9	63.0	94.6#
39	24.4	47.5	71.3#



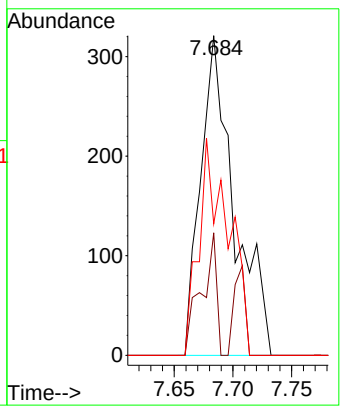


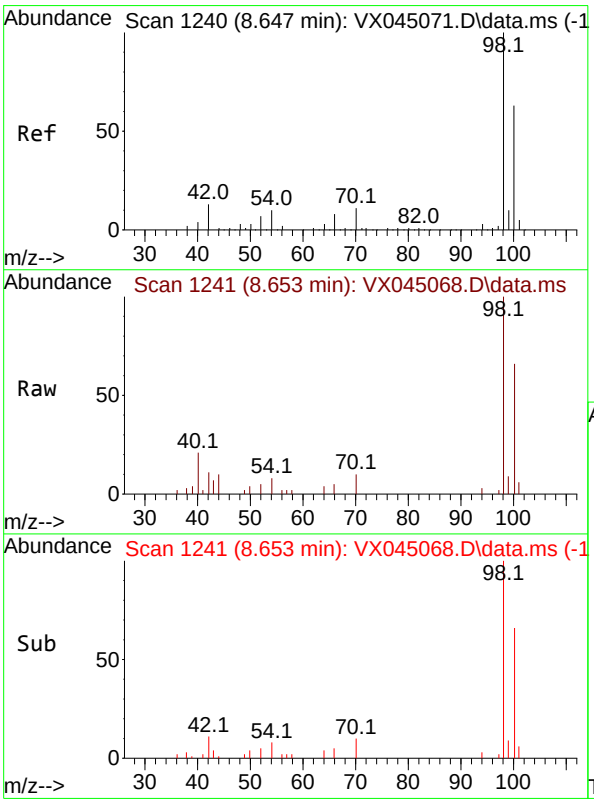
#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 639

Ion	Ratio	Lower	Upper
88	100		
43	17.2	28.7	43.1#
58	59.9	55.8	83.8

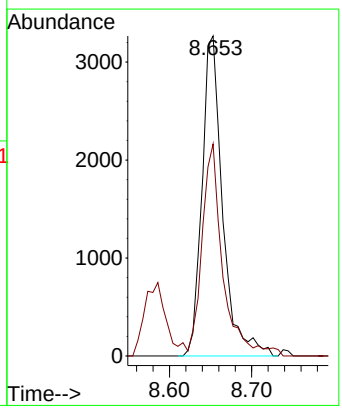


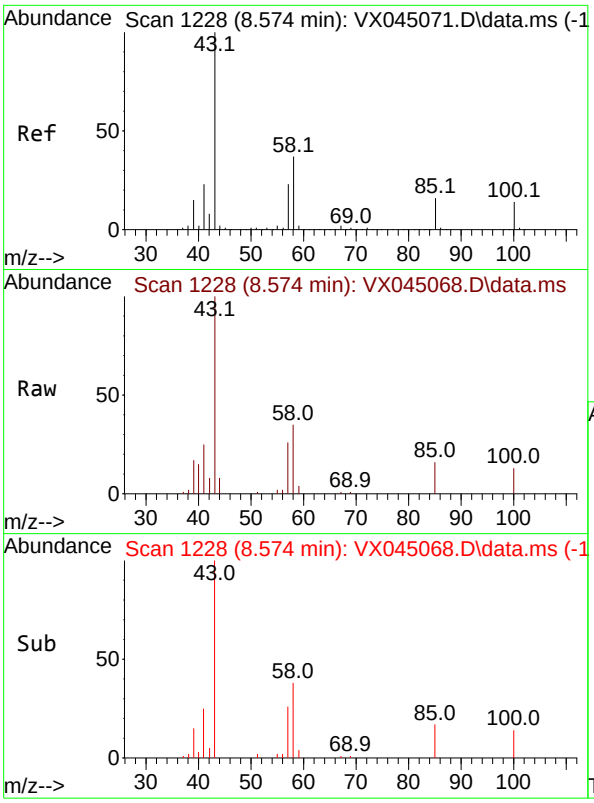


#50
Toluene-d8
Concen: 1.244 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 98 Resp: 5691

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.0	78.0



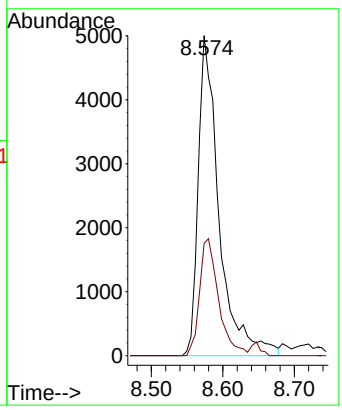


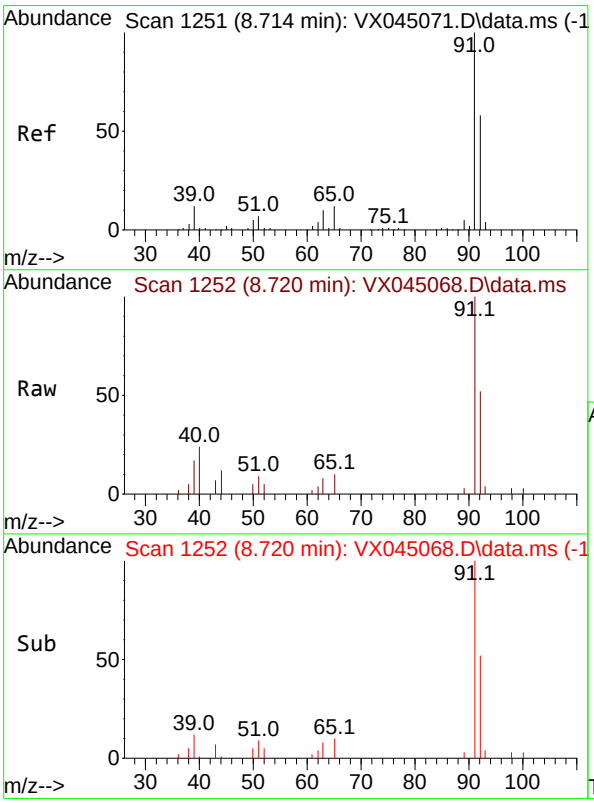
#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 10091

Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.2	43.8

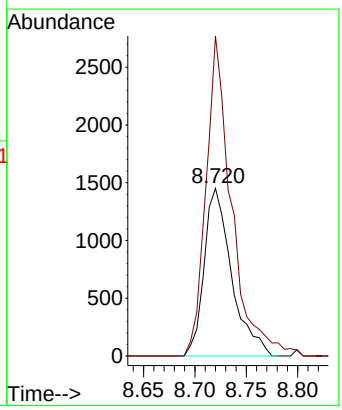


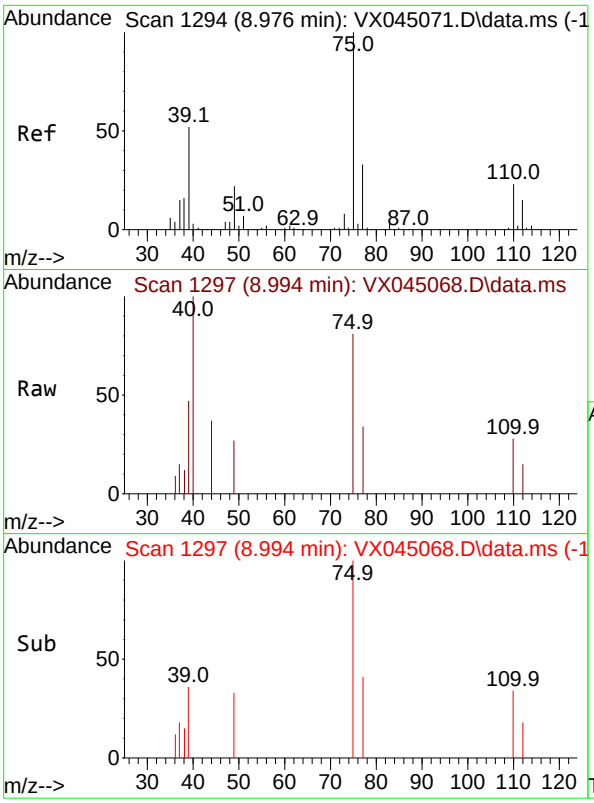


#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 92 Resp: 2700

Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3



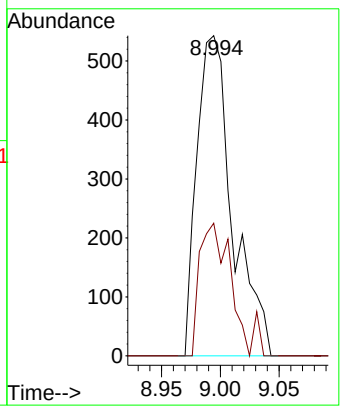


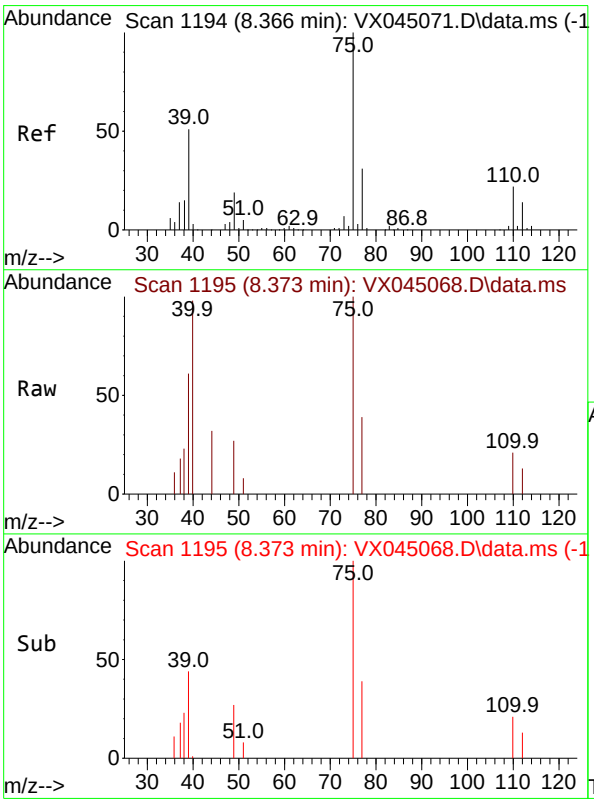
#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

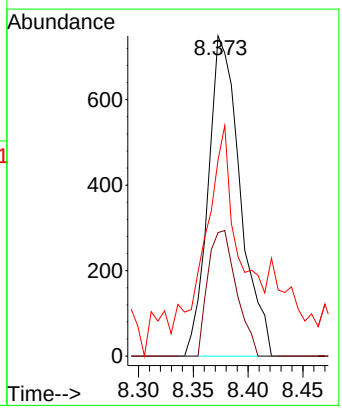


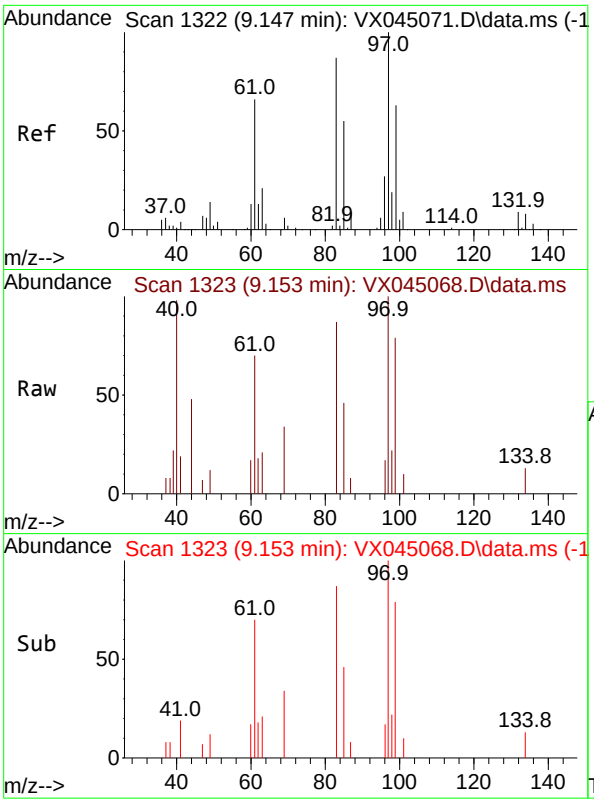


#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1525

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



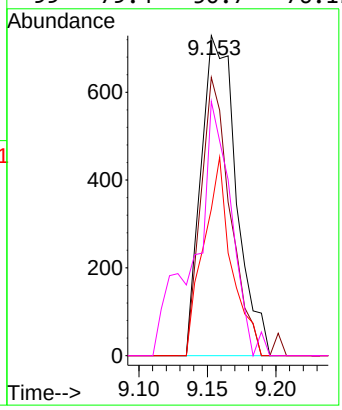


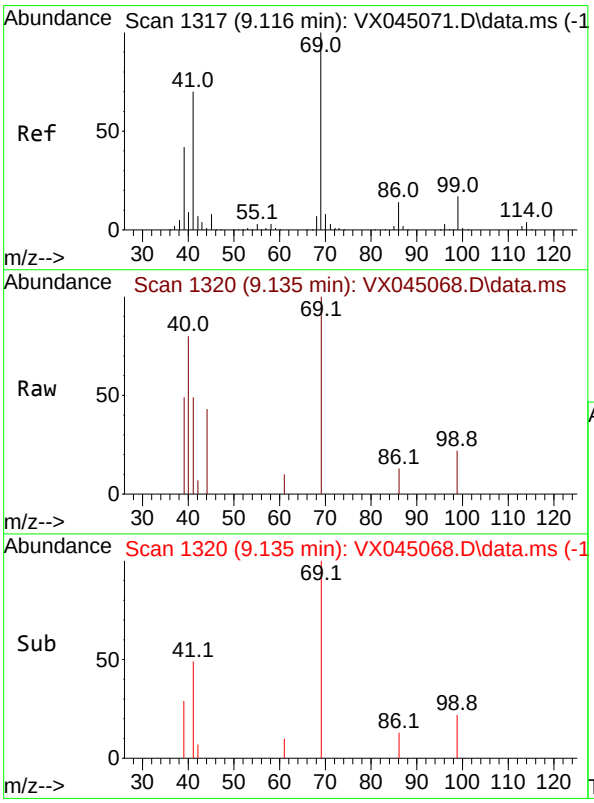
#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1306

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.2
85	45.8	44.1	66.1
99	79.4	50.7	76.1#

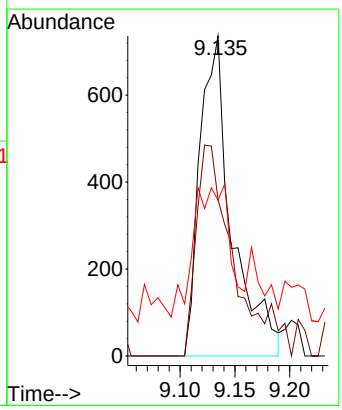


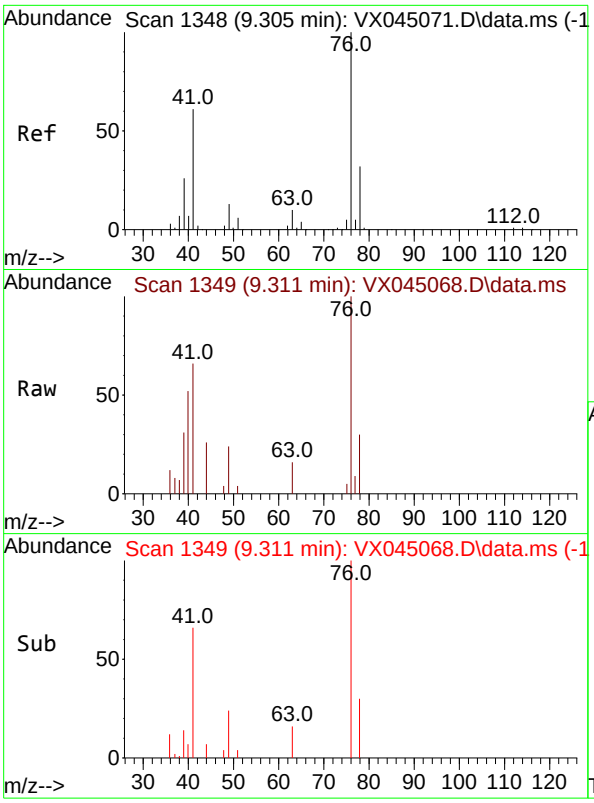


#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 9.135 min Scan# 1320
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 69 Resp: 1494

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



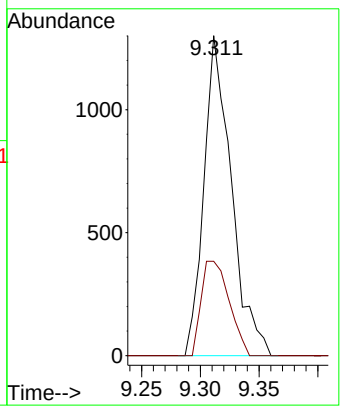


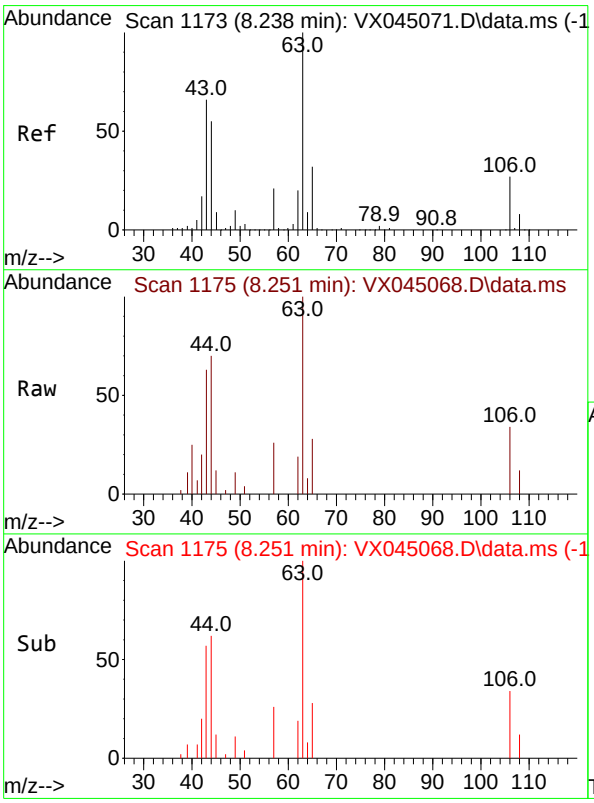
#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2112

Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.5	38.3

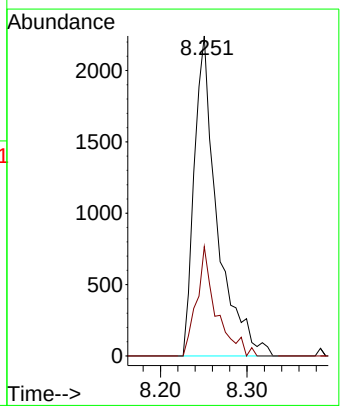


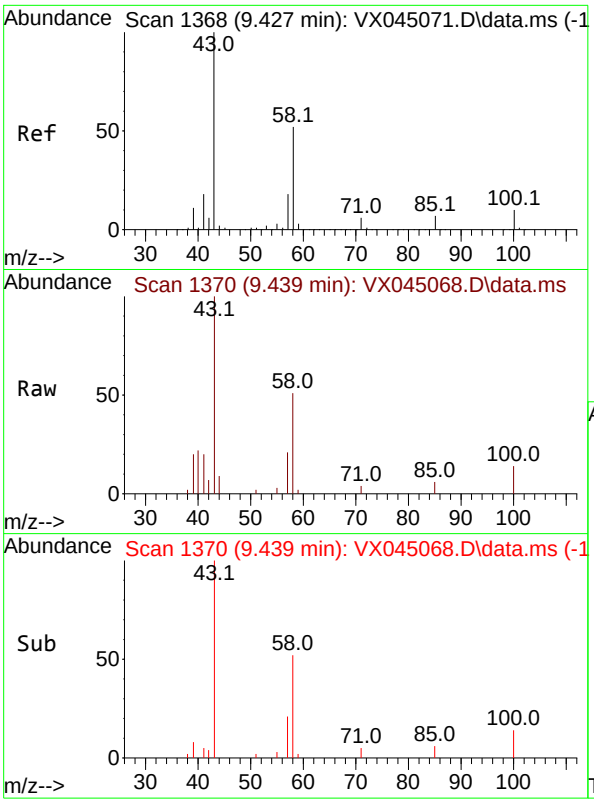


#58
2-Chloroethyl Vinyl ether
Concen: 4.320 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 4115

Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3



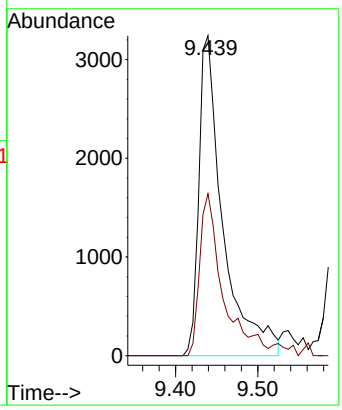


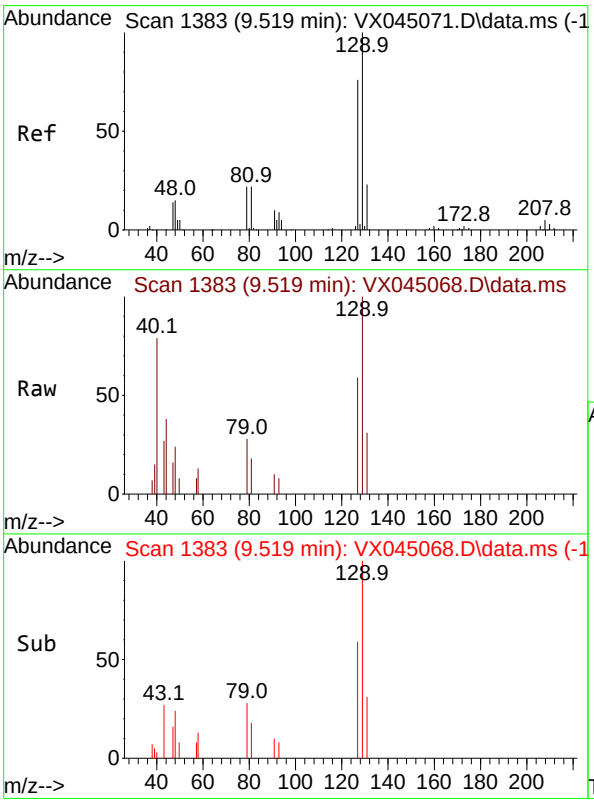
#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

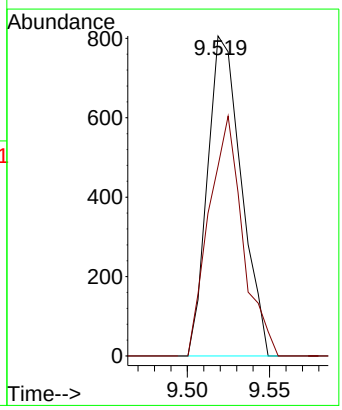


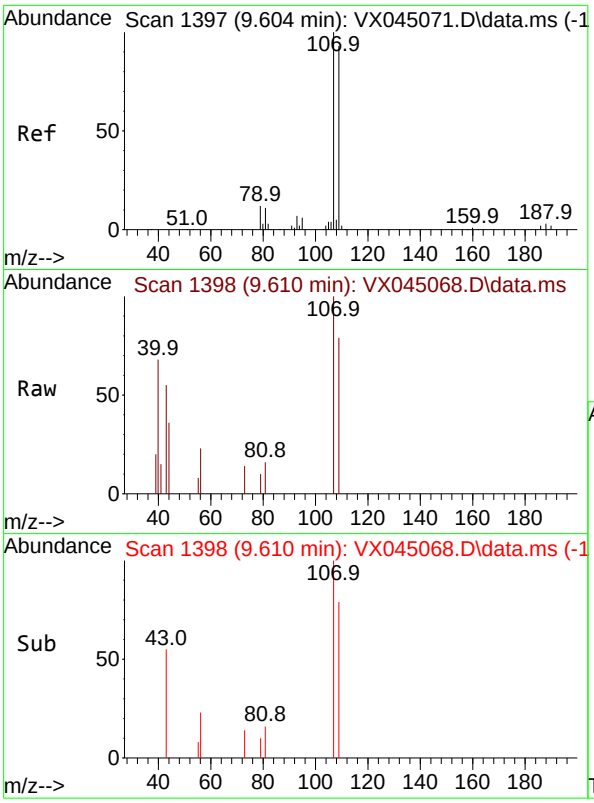


#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 1152

Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



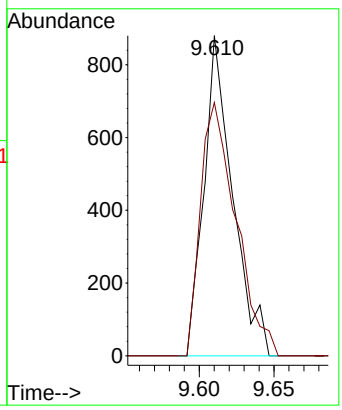


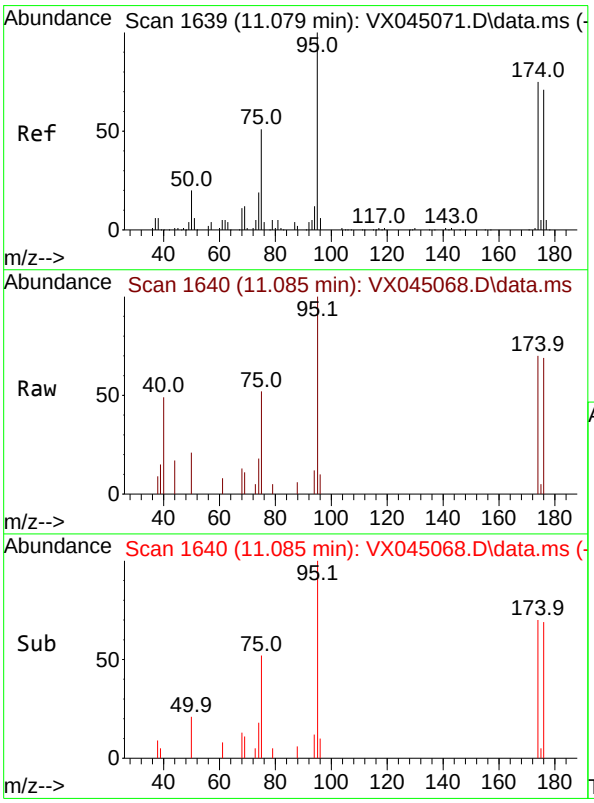
#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1174

Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1

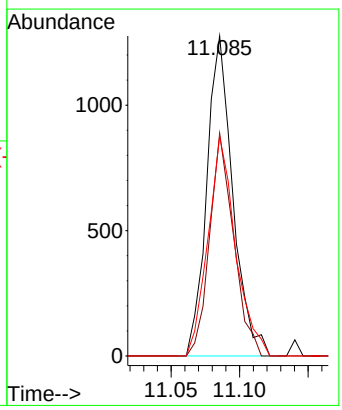


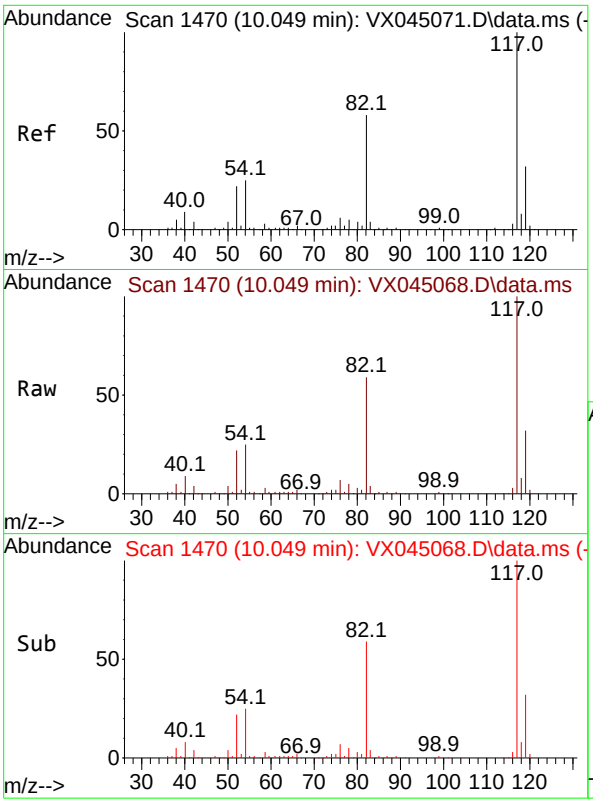


#62
4-Bromofluorobenzene
Concen: 1.112 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 95 Resp: 1685

Ion	Ratio	Lower	Upper
95	100		
174	64.2	0.0	148.2
176	72.7	0.0	141.4



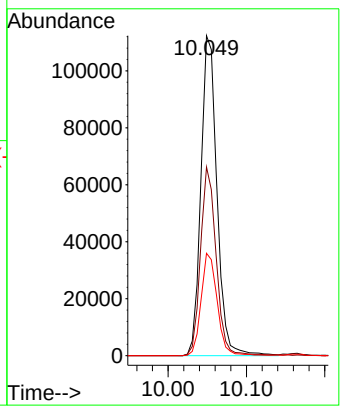


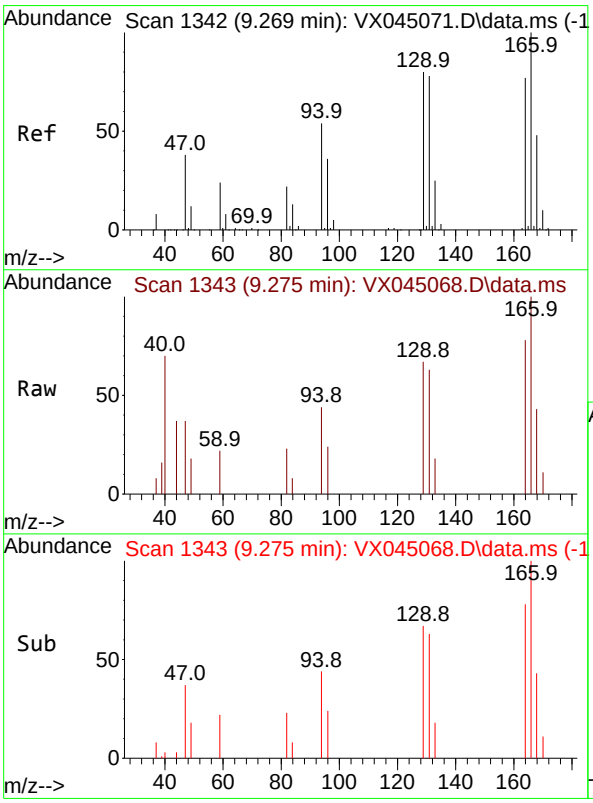
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 159886

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.3	69.5
119	32.0	25.7	38.5

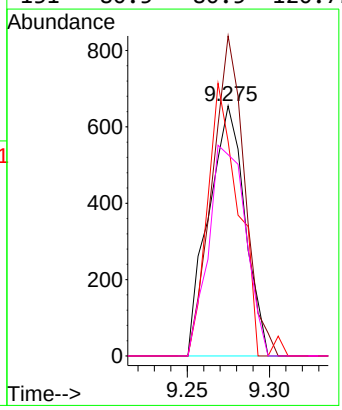


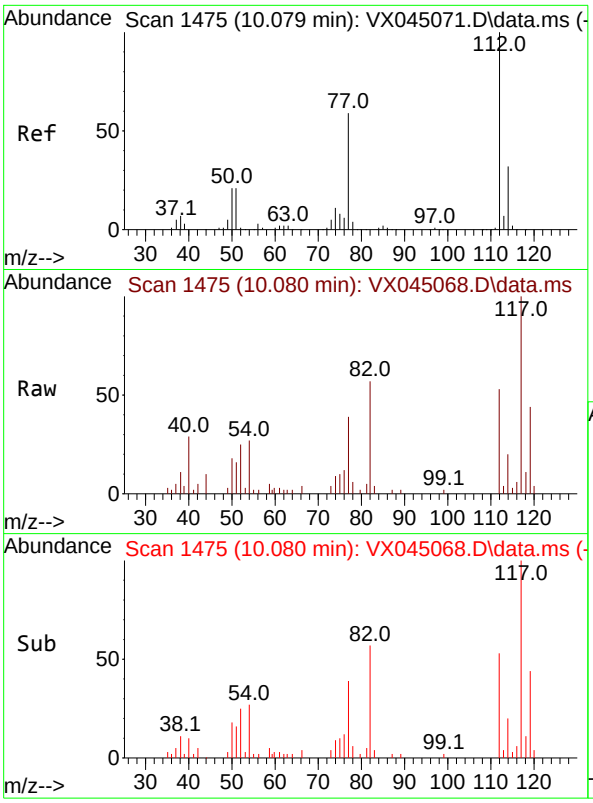


#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:164 Resp: 1006

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



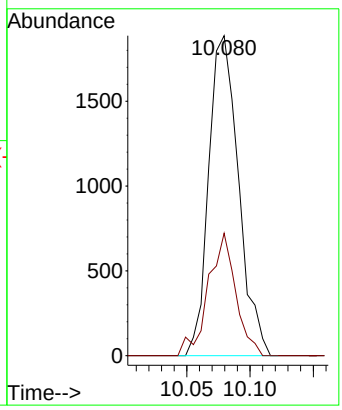


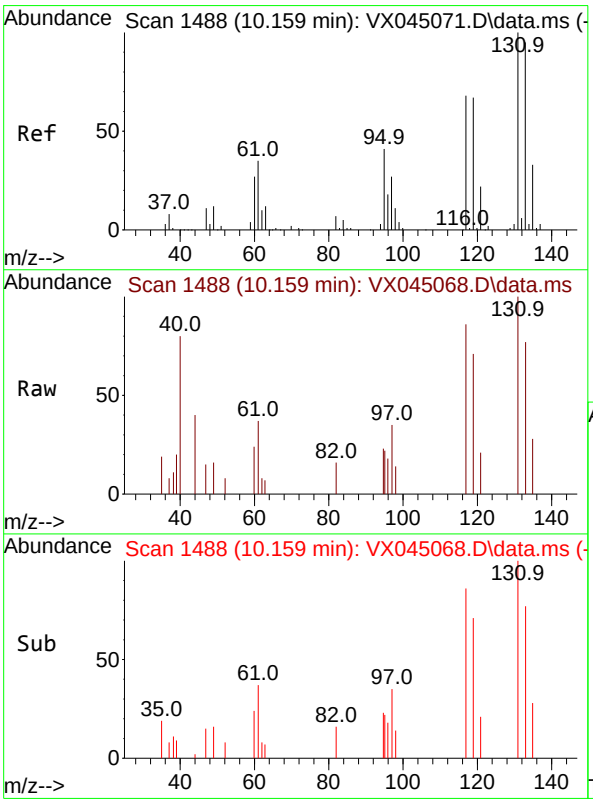
#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 3094

Ion	Ratio	Lower	Upper
112	100		
114	38.3	26.0	39.0

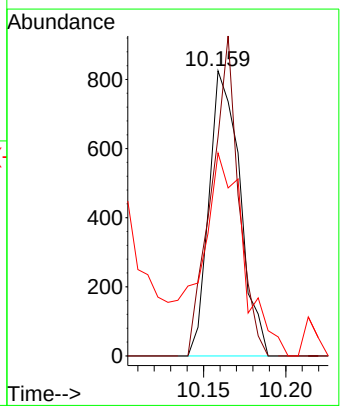


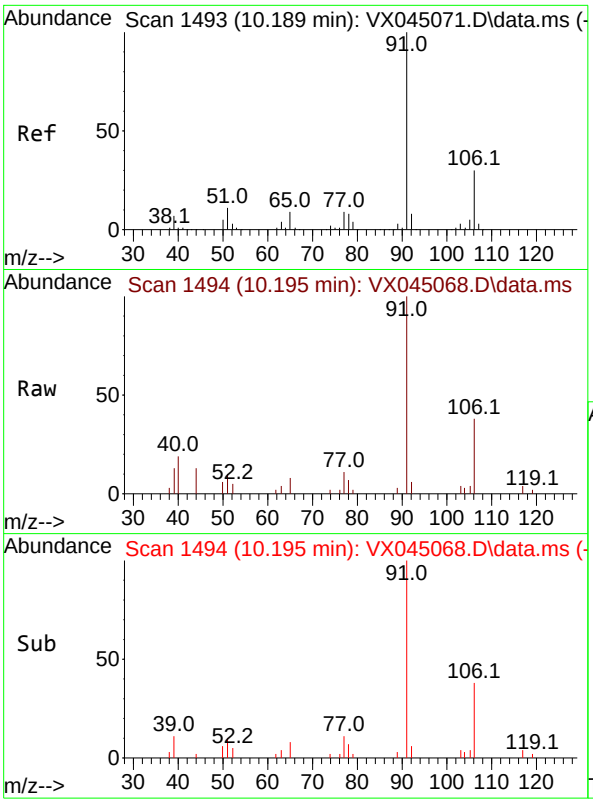


#66
1,1,1,2-Tetrachloroethane
Concen: 0.978 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:131 Resp: 1078

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



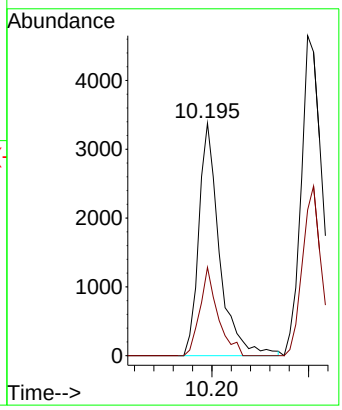


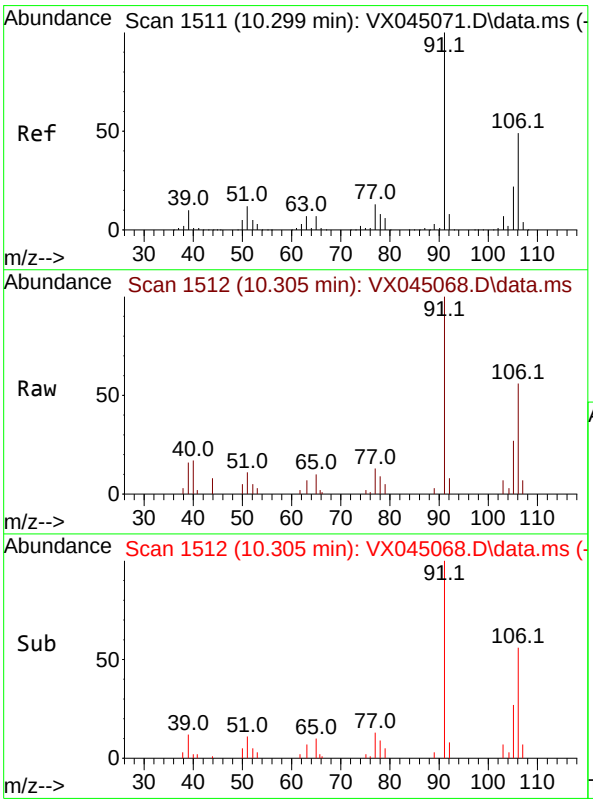
#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5008

Ion	Ratio	Lower	Upper
91	100		
106	38.0	23.9	35.9#

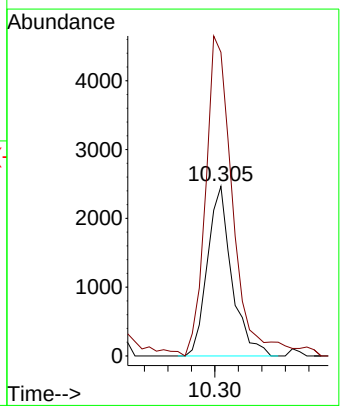


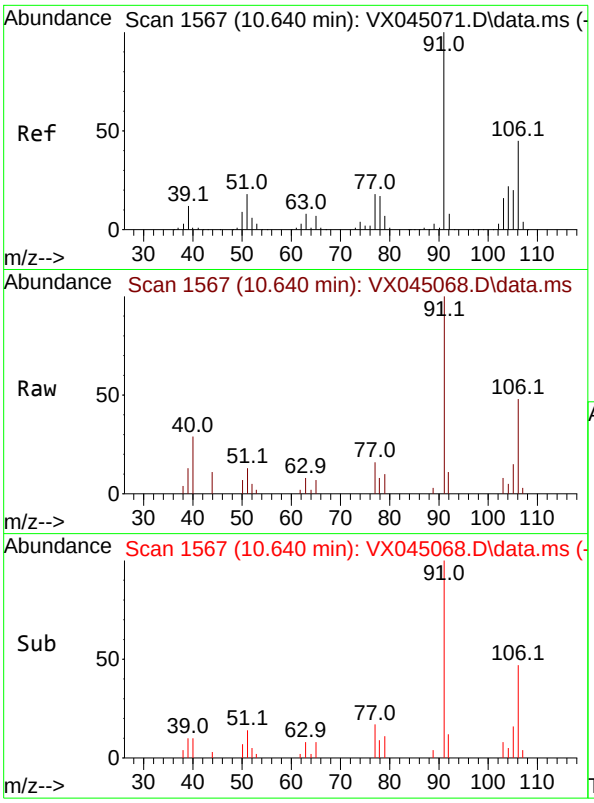


#68
m/p-Xylenes
Concen: 1.630 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 3552

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



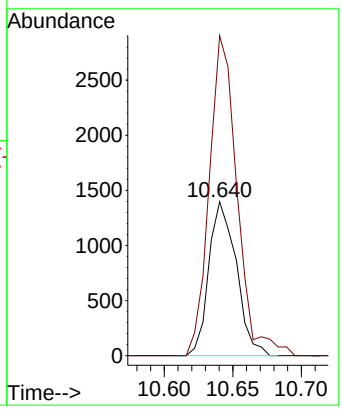


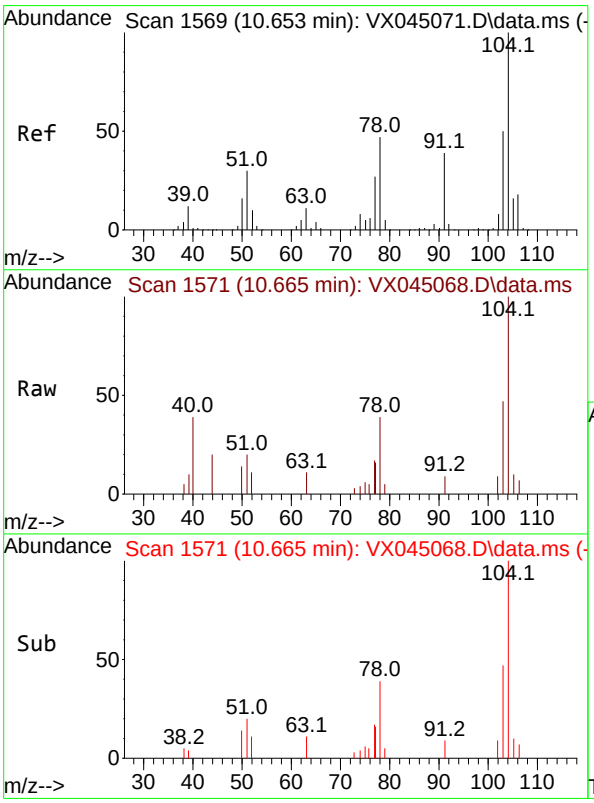
#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

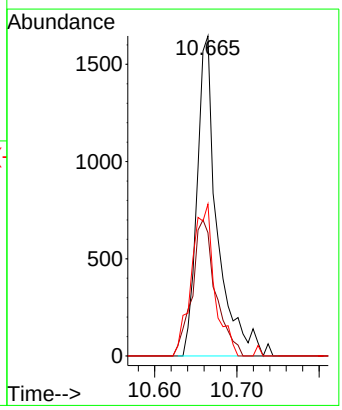


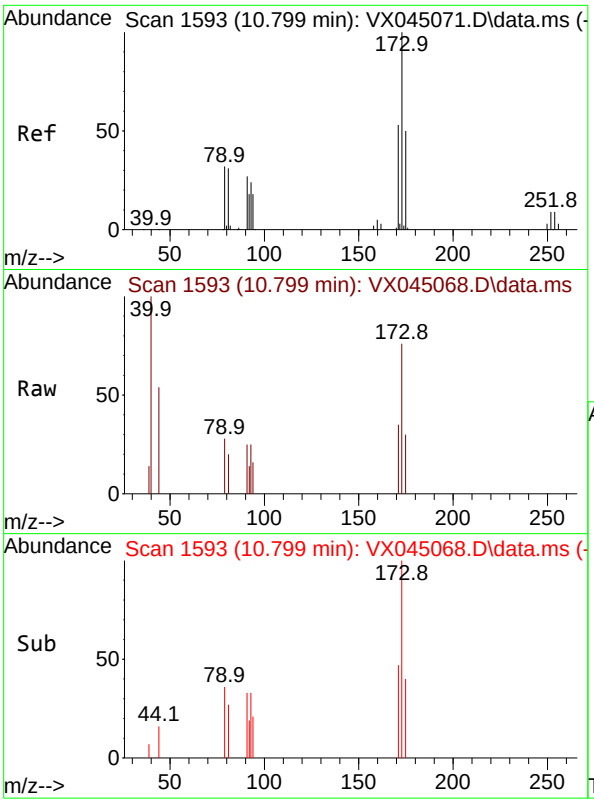


#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:104 Resp: 2810

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



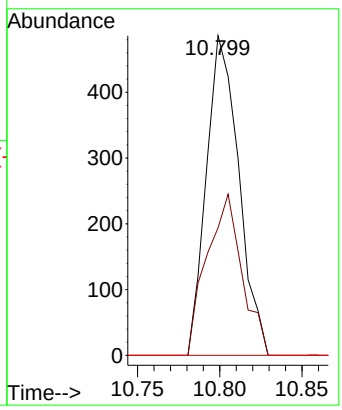


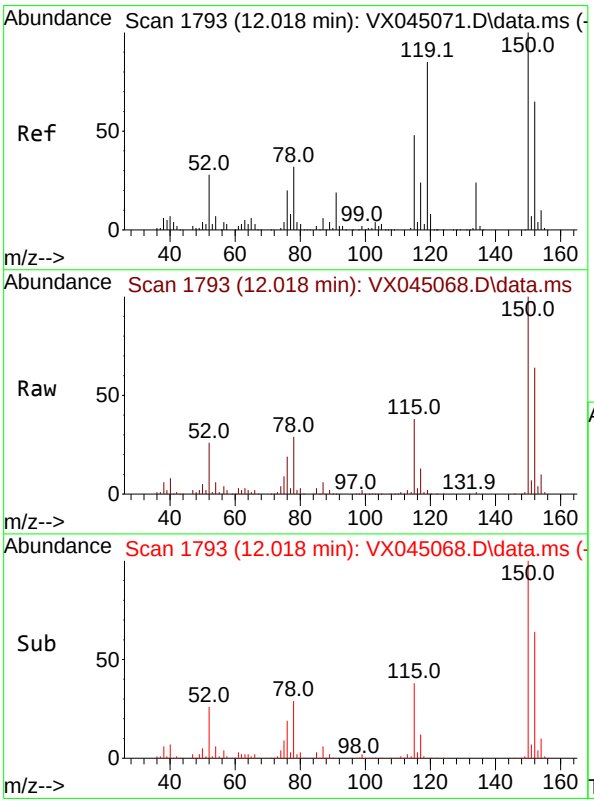
#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 667

Ion	Ratio	Lower	Upper
173	100		
175	54.7	24.6	73.6
254	0.0	0.0	0.0

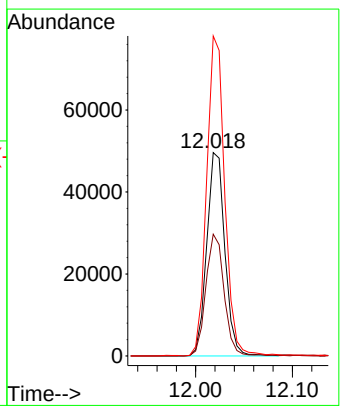


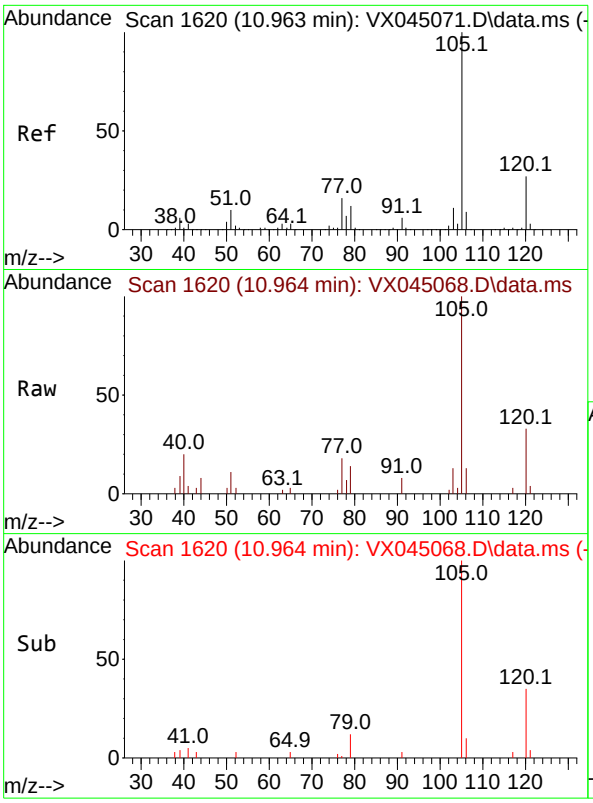


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:152 Resp: 64845

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



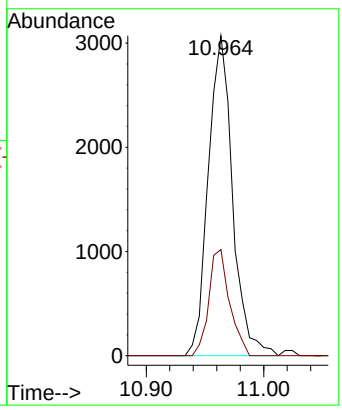


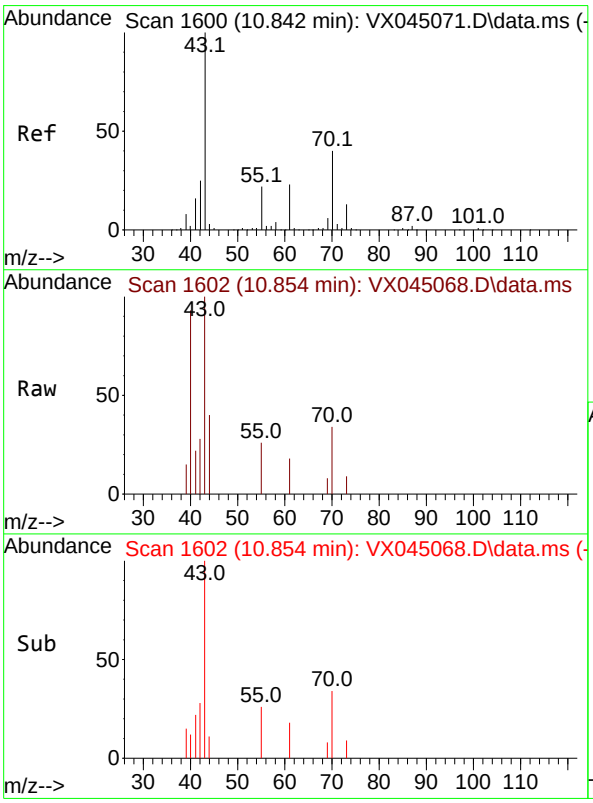
#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

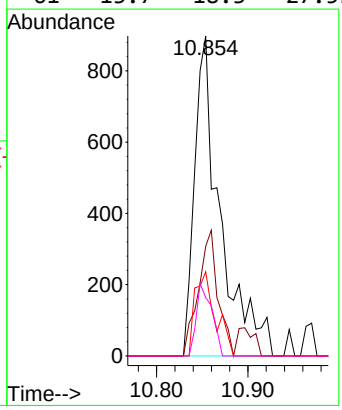


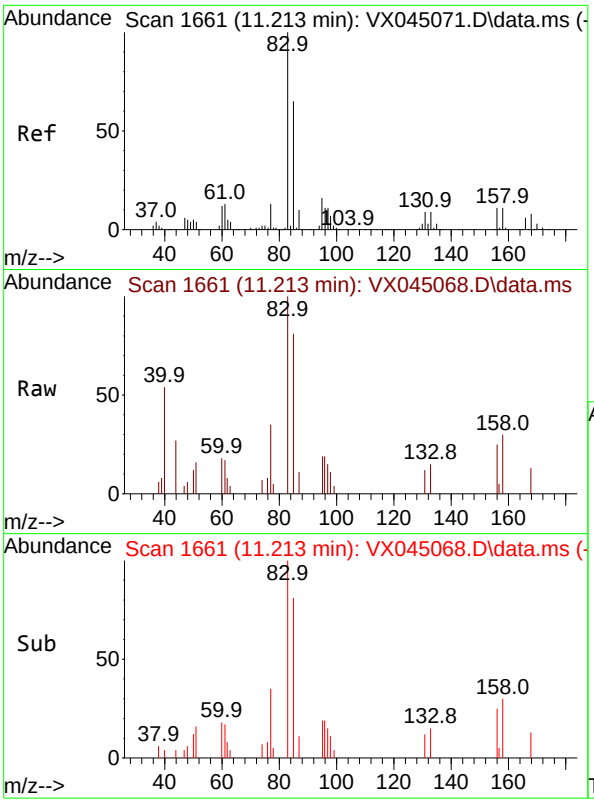


#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1750

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



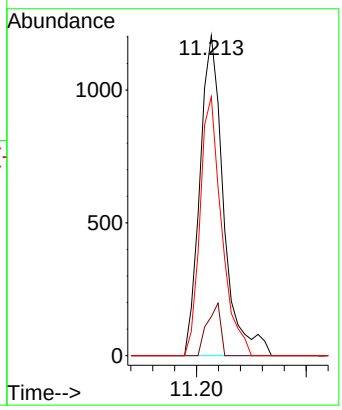


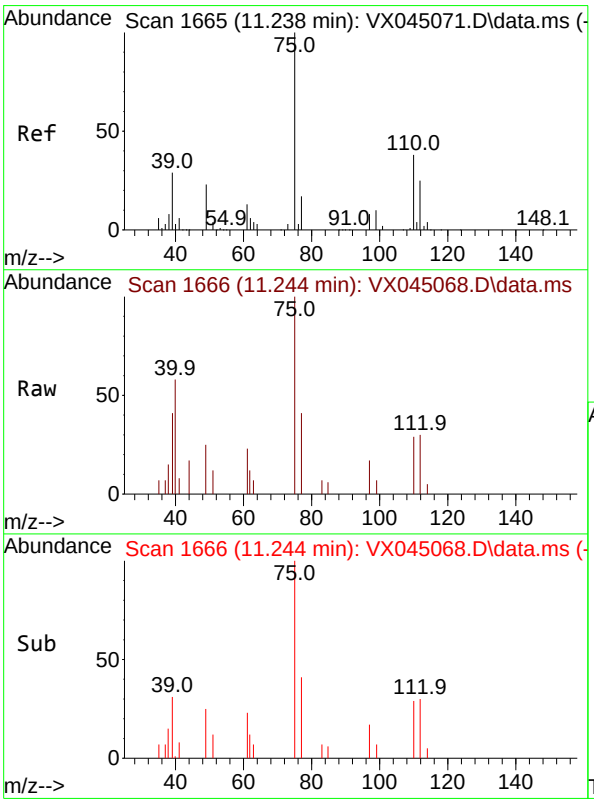
#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1809

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	73.7	31.7	95.1

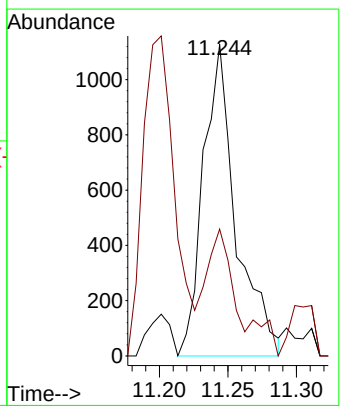


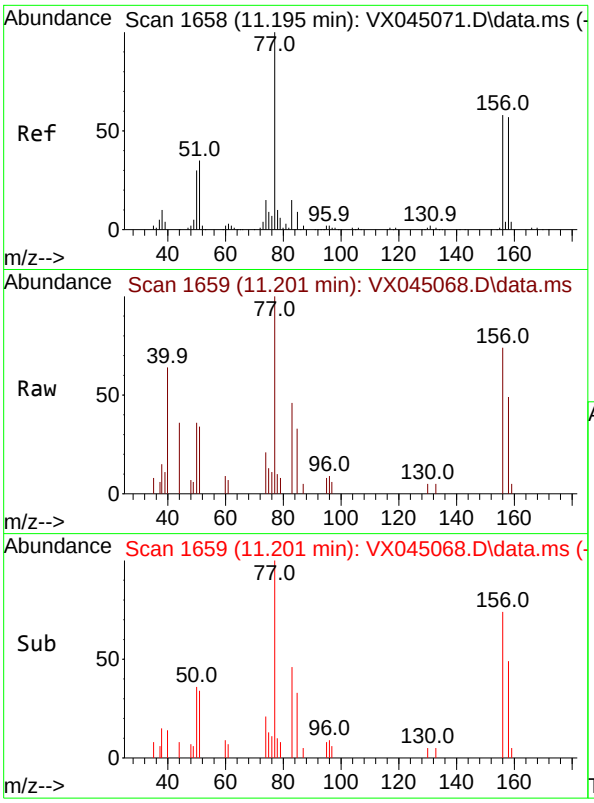


#76
1,2,3-Trichloropropane
Concen: 1.246 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1878

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



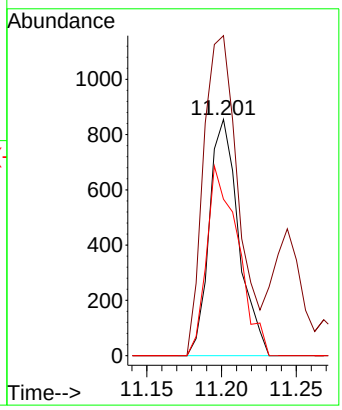


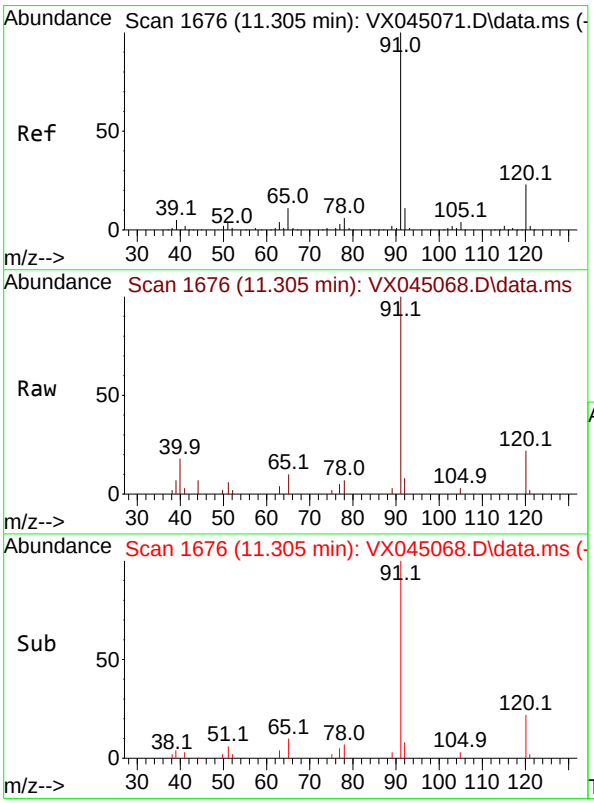
#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1166

Ion	Ratio	Lower	Upper
156	100		
77	159.8	85.8	257.4
158	86.2	48.4	145.2

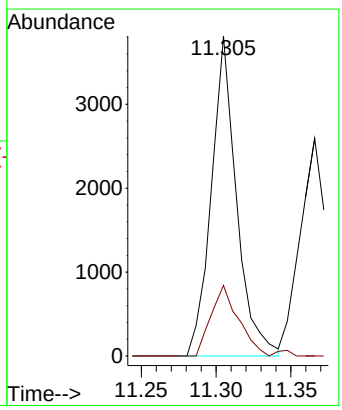


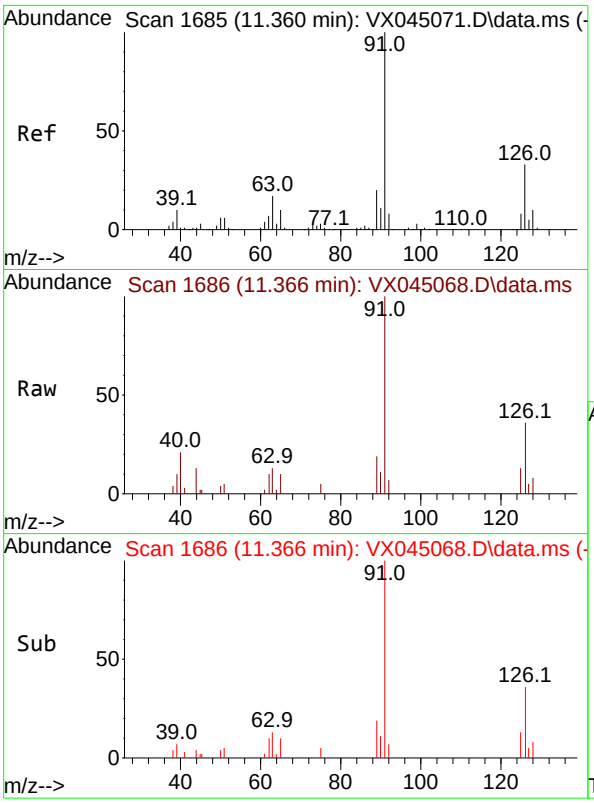


#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 4475

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



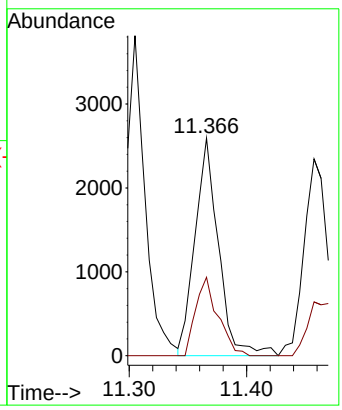


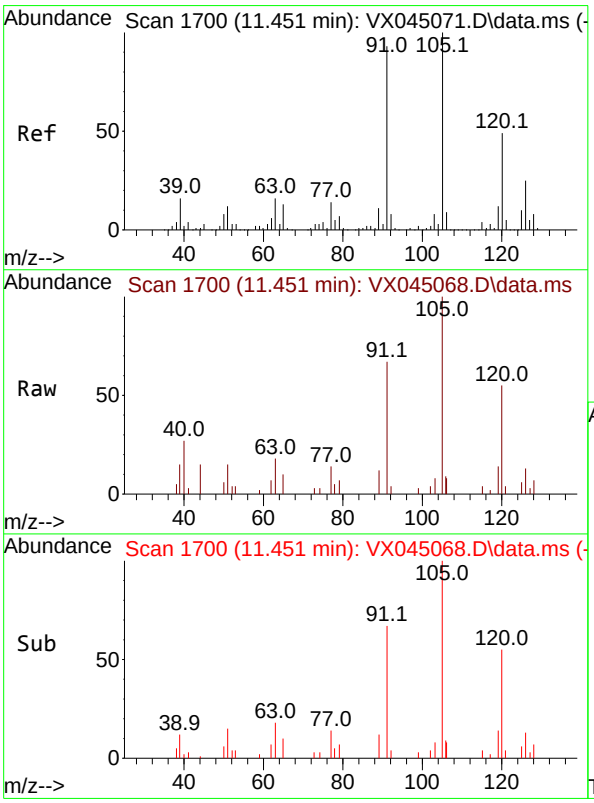
#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

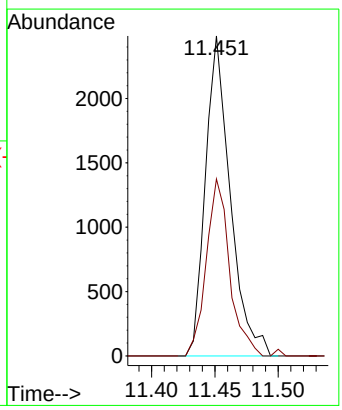


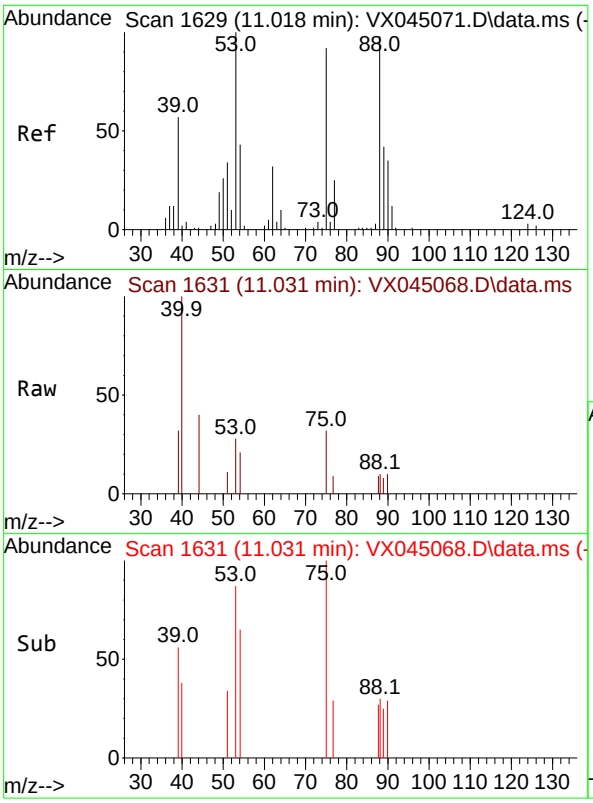


#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3386

Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



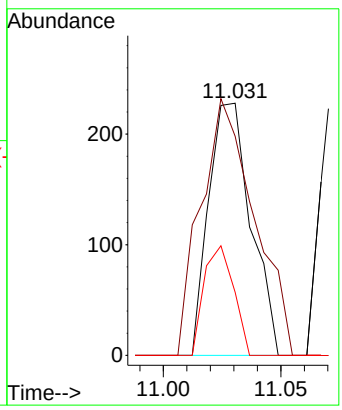


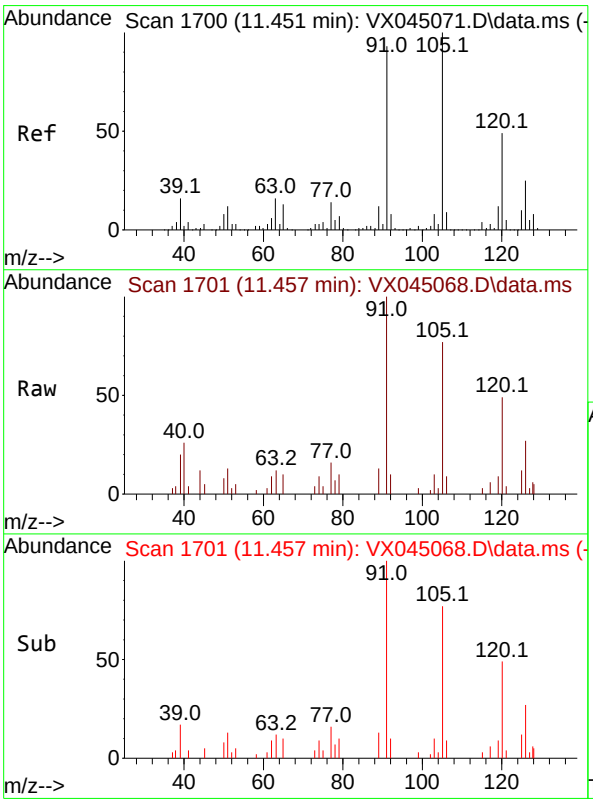
#81
trans-1,4-Dichloro-2-butene
Concen: 0.646 ug/l
RT: 11.031 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 285

Ion	Ratio	Lower	Upper
75	100		
53	128.8	88.5	132.7
89	30.5	36.2	54.4#

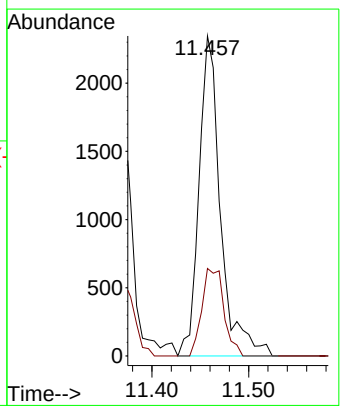


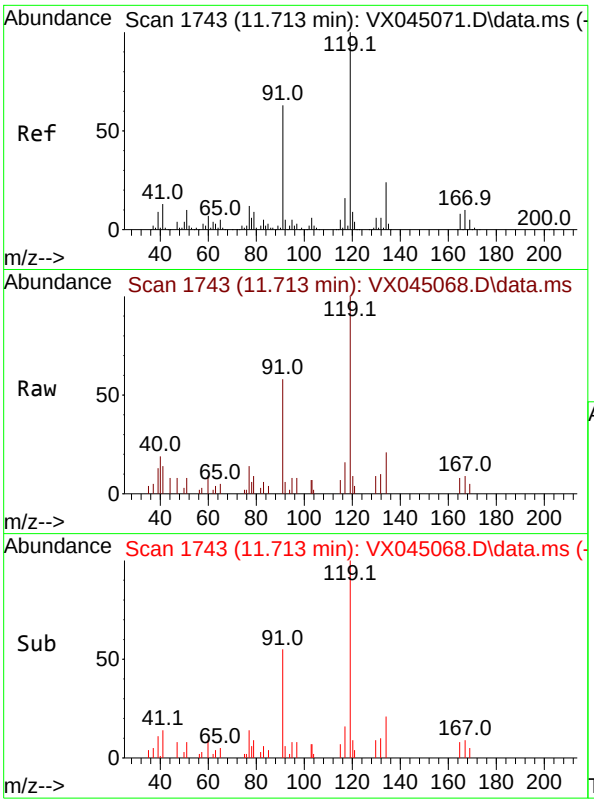


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4



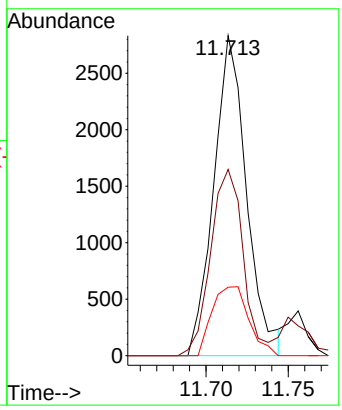


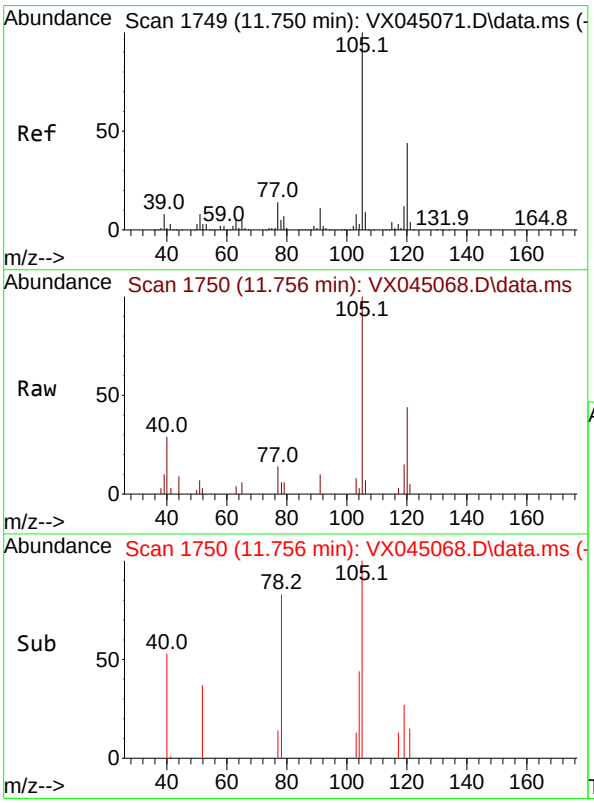
#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 3928

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

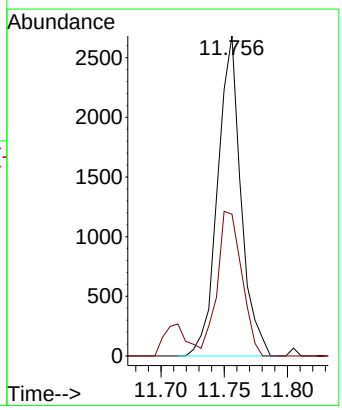


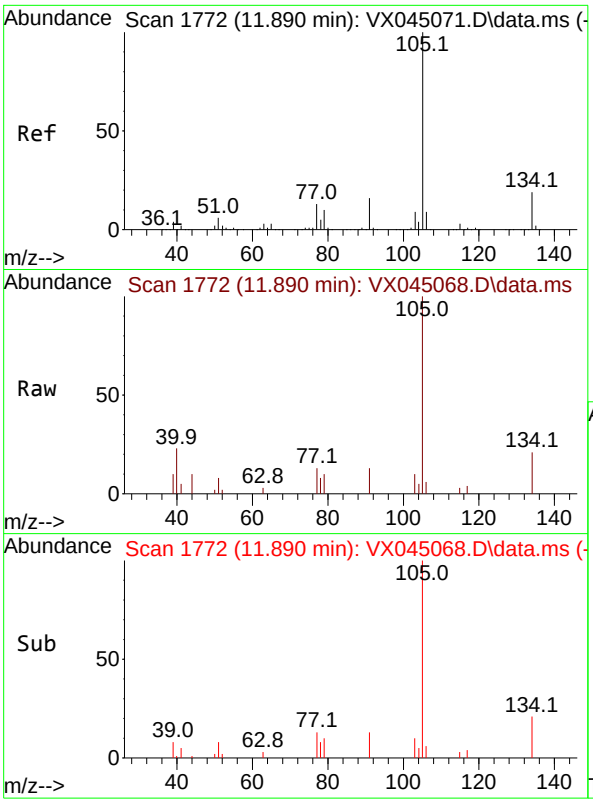


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3432

Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1



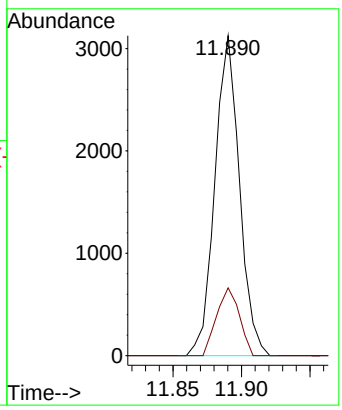


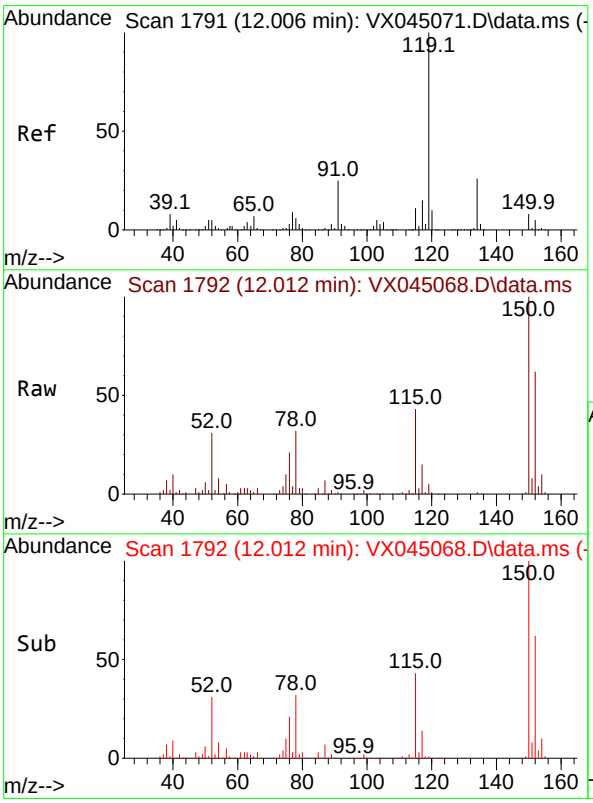
#85
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 3891

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

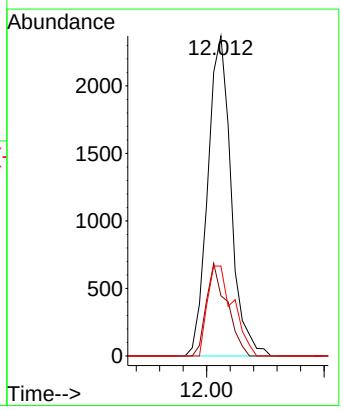


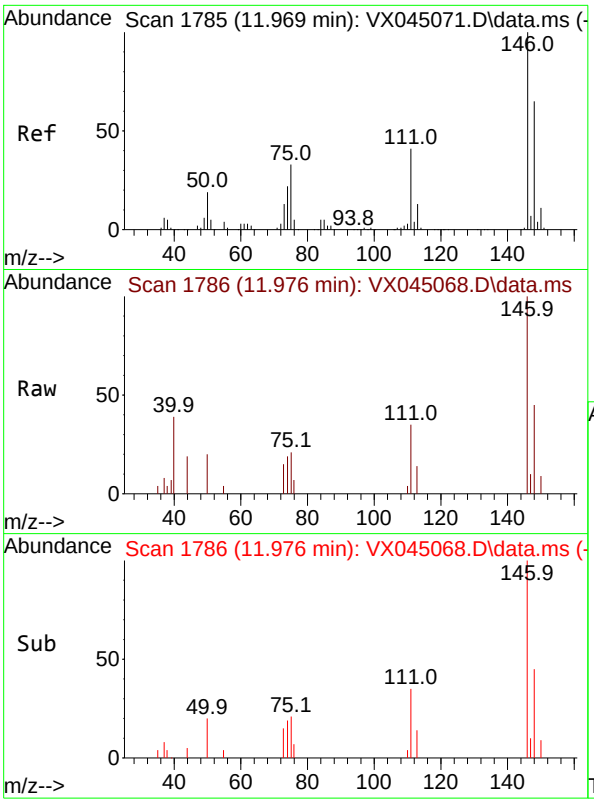


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 3257

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	30.9	12.7	38.0



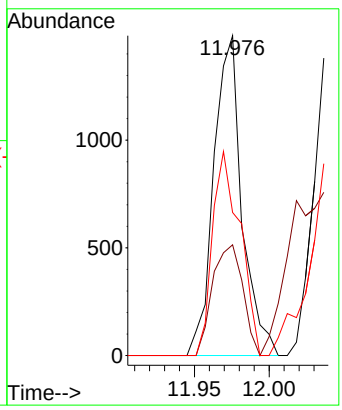


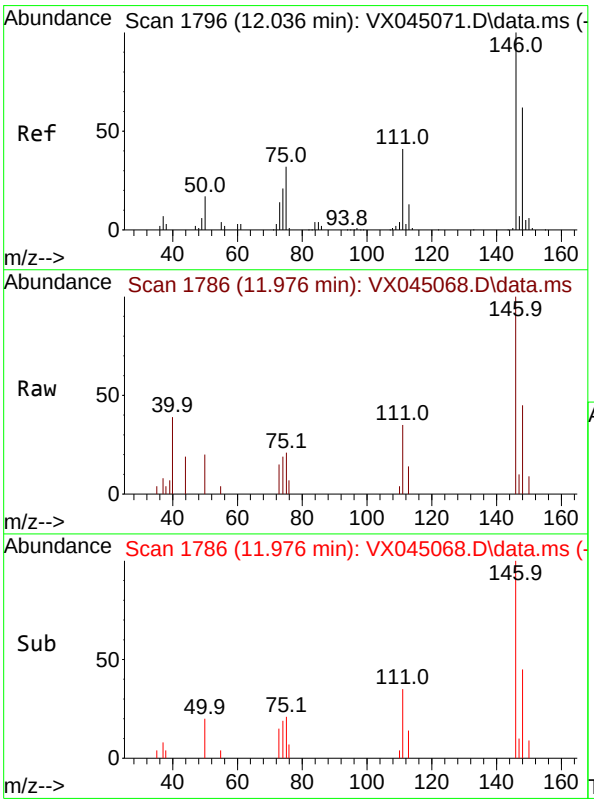
#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 1948

Ion	Ratio	Lower	Upper
146	100		
111	37.1	21.1	63.4
148	62.4	31.9	95.7

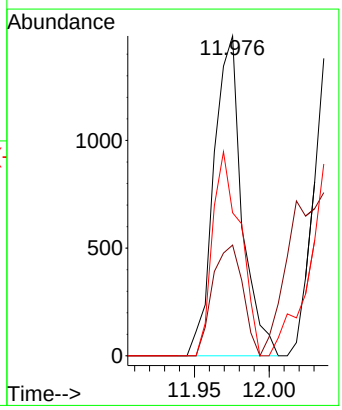


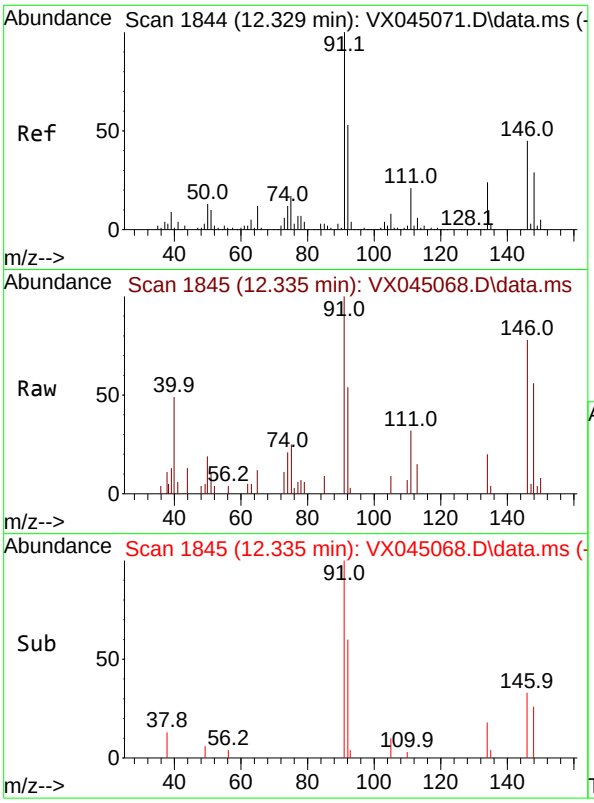


#88
1,4-Dichlorobenzene
Concen: 0.900 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. -0.061 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 1948

Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.2	60.5
148	62.4	31.9	95.9



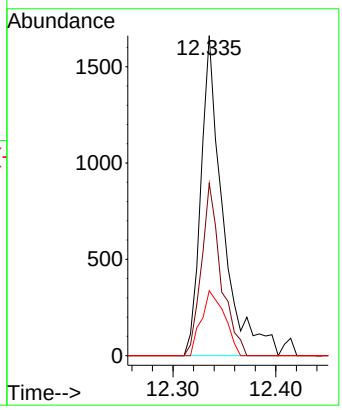


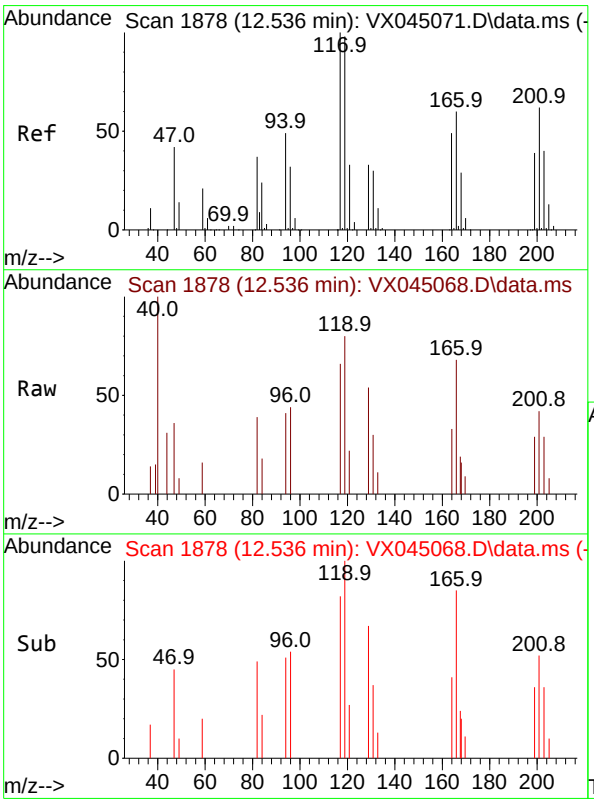
#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 2470

Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6

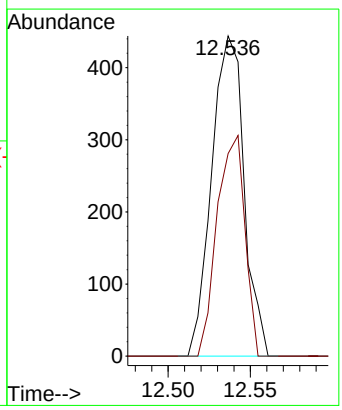


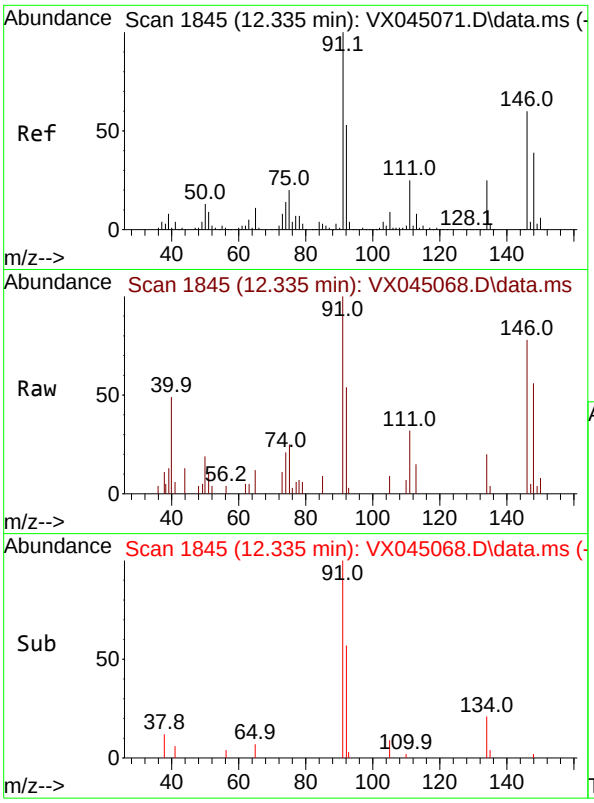


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9



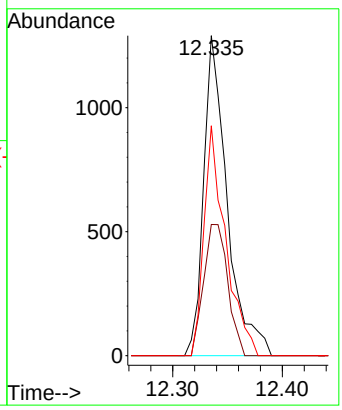


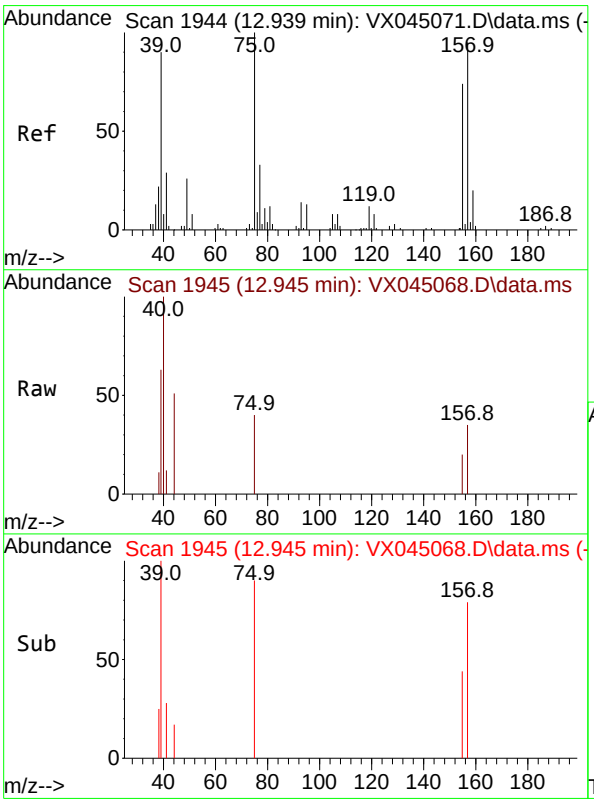
#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 1918

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	66.1	31.9	95.9

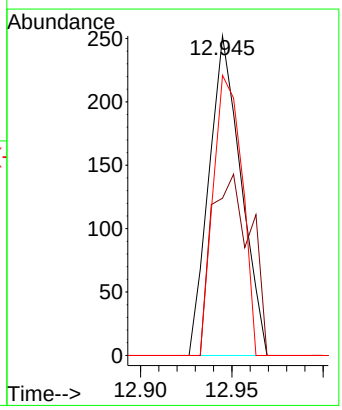


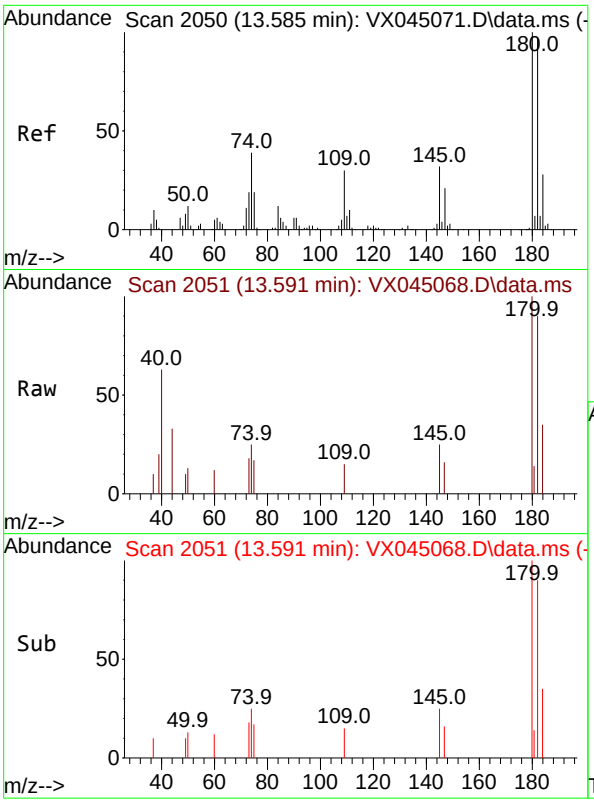


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 308

Ion	Ratio	Lower	Upper
75	100		
155	69.2	39.6	118.7
157	78.6	51.1	153.4



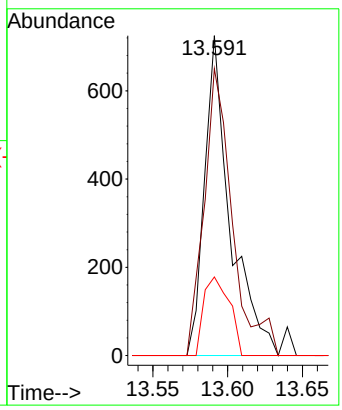


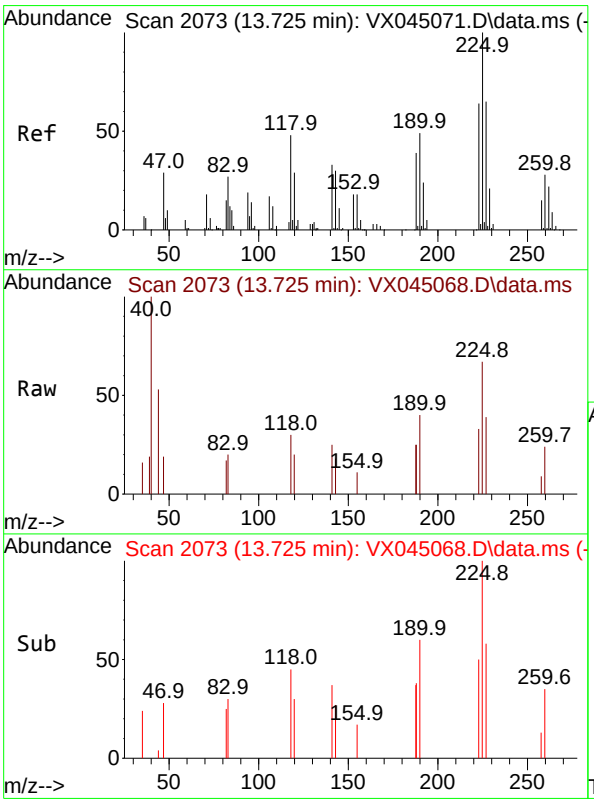
#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 866

Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	141.9
145	24.5	16.3	48.9

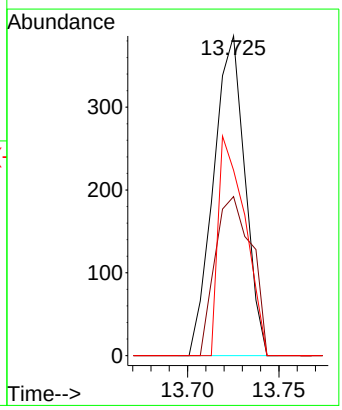


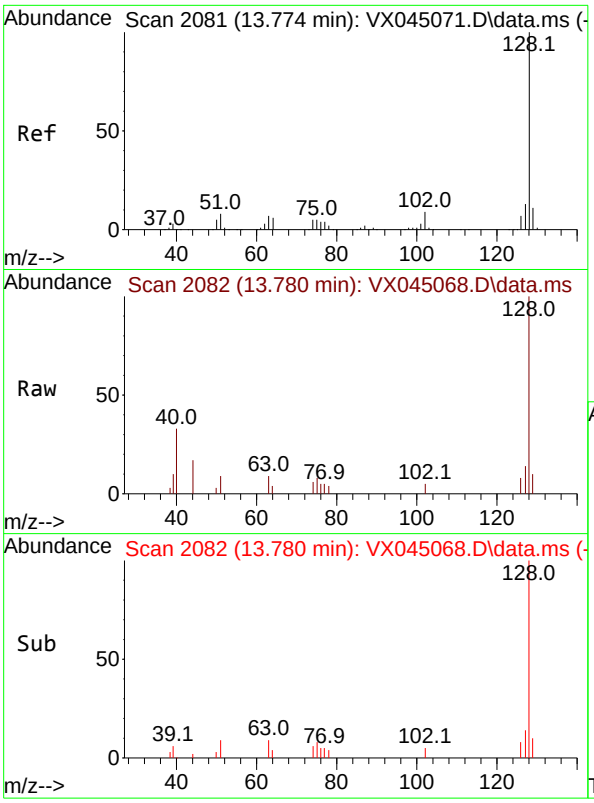


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:225 Resp: 462

Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.9	95.7
227	58.7	31.4	94.0



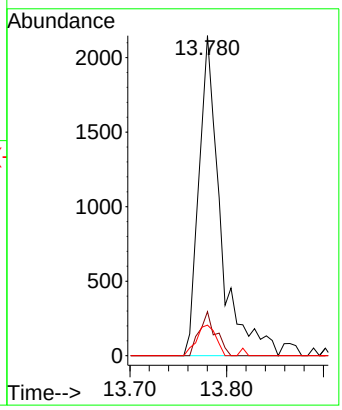


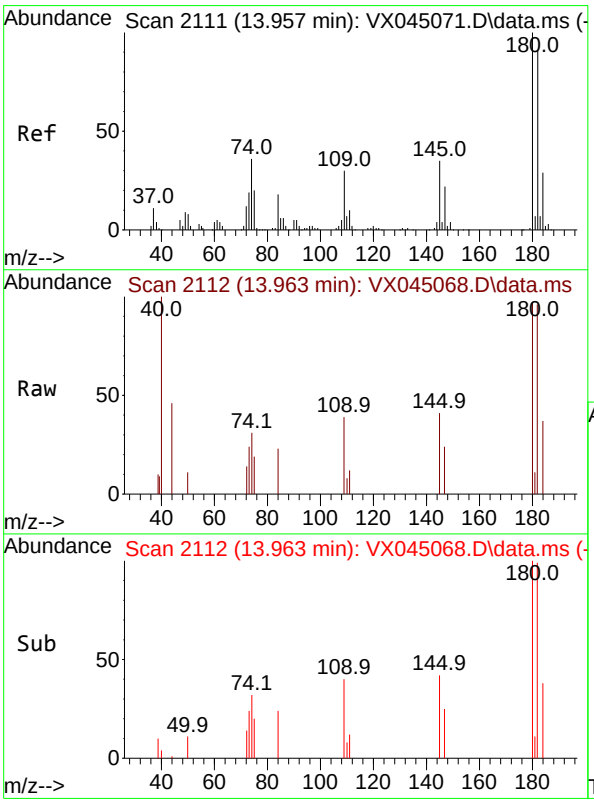
#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 3337

Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	8.6	8.7	13.1#

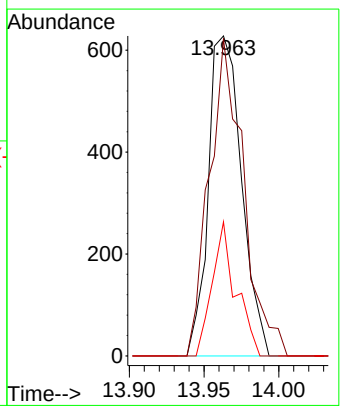




#96
1,2,3-Trichlorobenzene
Concen: 0.759 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 969

Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.5	142.6
145	29.8	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	107391	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	194243	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	172367	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73591	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65	8978	5.659	ug/l		0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 11.320%#				
35) Dibromofluoromethane	5.391	113	6398	5.039	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.080%#				
50) Toluene-d8	8.647	98	24037	5.057	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.120%#				
62) 4-Bromofluorobenzene	11.079	95	7436	4.685	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.360%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	6941	4.689	ug/l		96
3) Chloromethane	1.307	50	8819	4.896	ug/l		99
4) Vinyl Chloride	1.374	62	8106	4.608	ug/l		94
5) Bromomethane	1.593	94	3620	6.582	ug/l		96
6) Chloroethane	1.660	64	4517	6.746	ug/l		91
7) Trichlorofluoromethane	1.867	101	11392	5.056	ug/l		95
8) Diethyl Ether	2.136	74	4314	5.268	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.319	101	6586	4.894	ug/l		98
10) Methyl Iodide	2.441	142	6520	3.780	ug/l		95
11) Tert butyl alcohol	2.983	59	7224	24.859	ug/l		99
12) 1,1-Dichloroethene	2.313	96	6658	4.819	ug/l		94
13) Acrolein	2.233	56	8725	27.725	ug/l		97
14) Allyl chloride	2.654	41	11244	4.527	ug/l		96
15) Acrylonitrile	3.068	53	21381	27.072	ug/l		99
16) Acetone	2.386	43	19512	29.891	ug/l		97
17) Carbon Disulfide	2.502	76	16984	4.518	ug/l		99
18) Methyl Acetate	2.703	43	8964	4.559	ug/l		97
19) Methyl tert-butyl Ether	3.117	73	20546	4.651	ug/l		95
20) Methylene Chloride	2.782	84	7835	5.068	ug/l		97
21) trans-1,2-Dichloroethene	3.087	96	6651	4.895	ug/l		94
22) Diisopropyl ether	3.763	45	23151	4.875	ug/l	#	82
23) Vinyl Acetate	3.721	43	88852	22.788	ug/l		98
24) 1,1-Dichloroethane	3.605	63	13132	4.949	ug/l		99
25) 2-Butanone	4.574	43	29277	27.819	ug/l		99
26) 2,2-Dichloropropane	4.471	77	6034	3.059	ug/l		97
27) cis-1,2-Dichloroethene	4.483	96	8012	4.892	ug/l		97
28) Bromochloromethane	4.904	49	6797	5.311	ug/l	#	96
29) Tetrahydrofuran	5.013	42	20186	28.950	ug/l		99
30) Chloroform	5.093	83	13390	5.159	ug/l		96
31) Cyclohexane	5.464	56	10968	4.504	ug/l		95
32) 1,1,1-Trichloroethane	5.385	97	10654	4.876	ug/l		100
36) 1,1-Dichloropropene	5.690	75	8977	4.917	ug/l	#	83
37) Ethyl Acetate	4.727	43	10459	5.035	ug/l		98
38) Carbon Tetrachloride	5.666	117	8997	5.013	ug/l		95
39) Methylcyclohexane	7.379	83	10291	4.414	ug/l		97
40) Benzene	6.037	78	28339	4.966	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	5700	5.136 ug/l		95
42) 1,2-Dichloroethane	6.092	62	10189	5.510 ug/l		98
43) Isopropyl Acetate	6.348	43	15543	4.700 ug/l		99
44) Trichloroethene	7.129	130	6827	5.234 ug/l		99
45) 1,2-Dichloropropane	7.427	63	7342	5.177 ug/l		95
46) Dibromomethane	7.586	93	5146	5.195 ug/l		97
47) Bromodichloromethane	7.824	83	9773	5.100 ug/l		99
48) Methyl methacrylate	7.696	41	8201	5.224 ug/l		95
49) 1,4-Dioxane	7.665	88	3531	105.826 ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	55320	27.303 ug/l		99
52) Toluene	8.720	92	16933	4.997 ug/l		99
53) t-1,3-Dichloropropene	8.982	75	7548	3.985 ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	8988	4.244 ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	6759	5.151 ug/l		97
56) Ethyl methacrylate	9.116	69	9712	4.628 ug/l		98
57) 1,3-Dichloropropane	9.305	76	12106	5.289 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	23212	22.527 ug/l		99
59) 2-Hexanone	9.433	43	39994	27.363 ug/l		99
60) Dibromochloromethane	9.519	129	6785	4.846 ug/l		98
61) 1,2-Dibromoethane	9.610	107	6832	5.161 ug/l		95
64) Tetrachloroethene	9.269	164	5615	5.128 ug/l		93
65) Chlorobenzene	10.079	112	18161	4.908 ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	5702	4.781 ug/l		96
67) Ethyl Benzene	10.195	91	30918	4.725 ug/l		98
68) m/p-Xylenes	10.299	106	23152	9.608 ug/l		97
69) o-Xylene	10.640	106	11881	4.914 ug/l		95
70) Styrene	10.659	104	18278	4.704 ug/l		99
71) Bromoform	10.799	173	4027	4.541 ug/l	#	98
73) Isopropylbenzene	10.963	105	29685	4.991 ug/l		98
74) N-amyl acetate	10.848	43	11609	4.300 ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10881	5.310 ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	10159	6.189 ug/l		89
77) Bromobenzene	11.195	156	6970	5.163 ug/l		96
78) n-propylbenzene	11.305	91	32196	4.694 ug/l		99
79) 2-Chlorotoluene	11.366	91	21253	5.048 ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	23627	4.897 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	1971	3.256 ug/l	#	83
82) 4-Chlorotoluene	11.457	91	22190	4.761 ug/l		98
83) tert-Butylbenzene	11.713	119	23960	4.910 ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	23561	4.960 ug/l		99
85) sec-Butylbenzene	11.890	105	28314	4.687 ug/l		99
86) p-Isopropyltoluene	12.006	119	21977	4.532 ug/l		97
87) 1,3-Dichlorobenzene	11.969	146	12157	4.926 ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	12526	5.014 ug/l		96
89) n-Butylbenzene	12.335	91	17358	4.072 ug/l		99
90) Hexachloroethane	12.536	117	3665	4.052 ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	12477	5.138 ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1787	4.712 ug/l		90
93) 1,2,4-Trichlorobenzene	13.591	180	6040	4.114 ug/l		97
94) Hexachlorobutadiene	13.725	225	2716	4.640 ug/l		97
95) Naphthalene	13.780	128	22927	4.287 ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	6600	4.437 ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

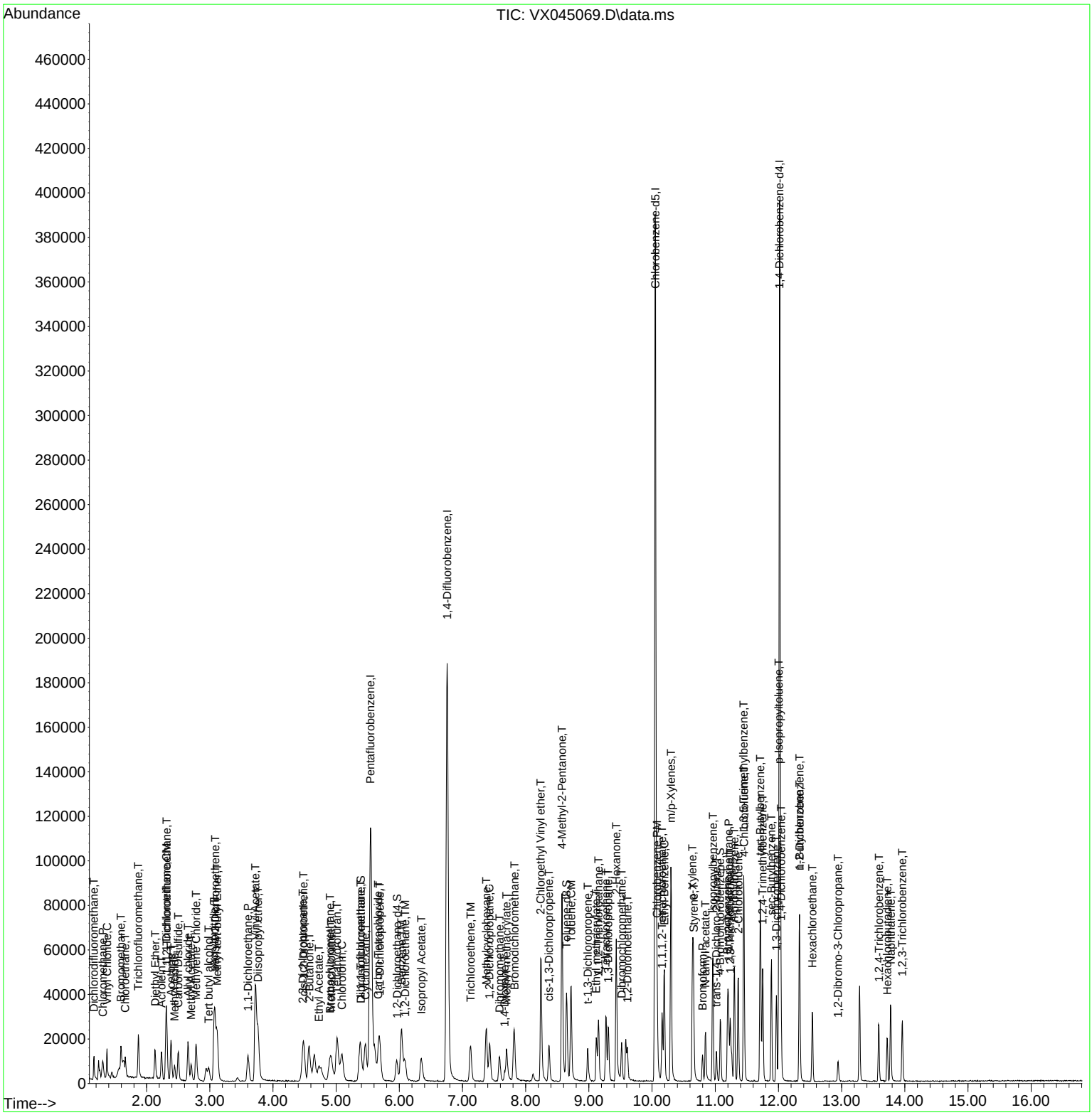
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

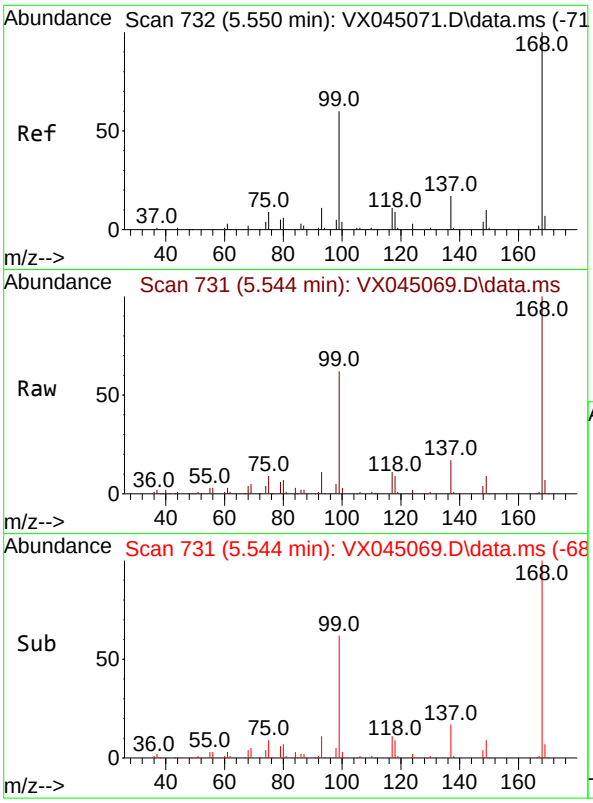
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



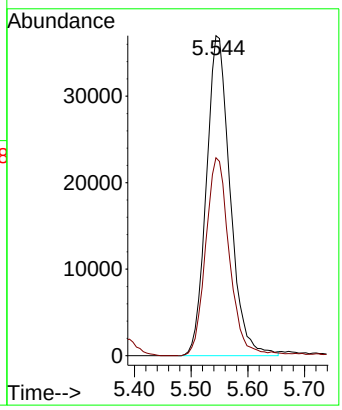


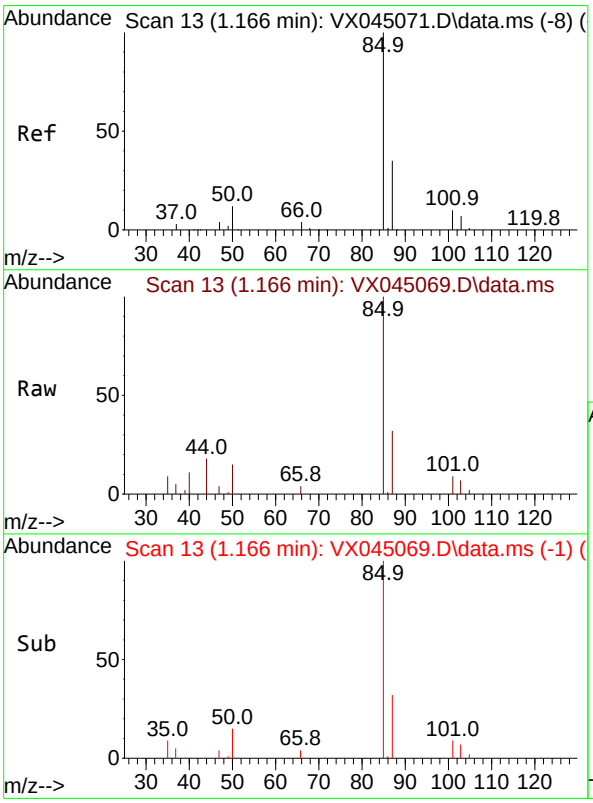
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 107391

Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4

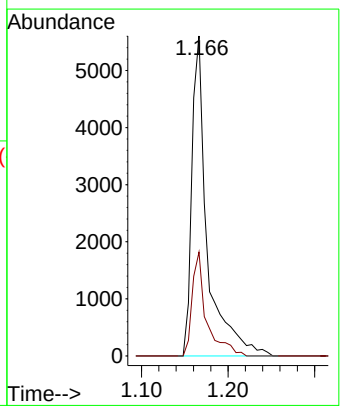


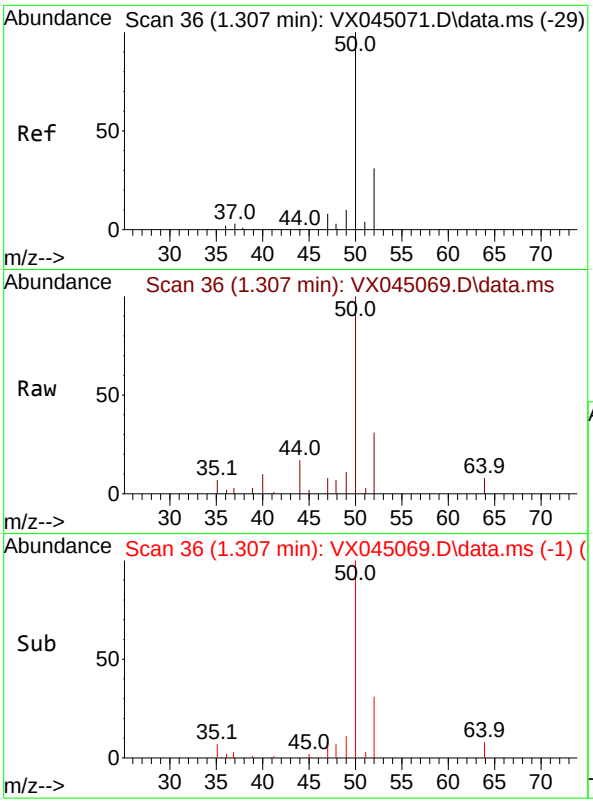


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3



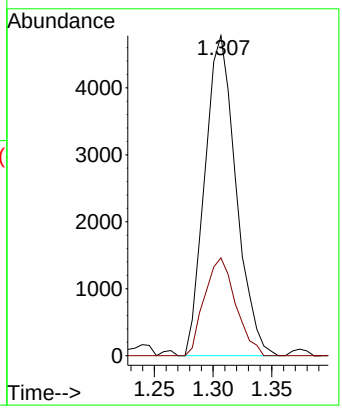


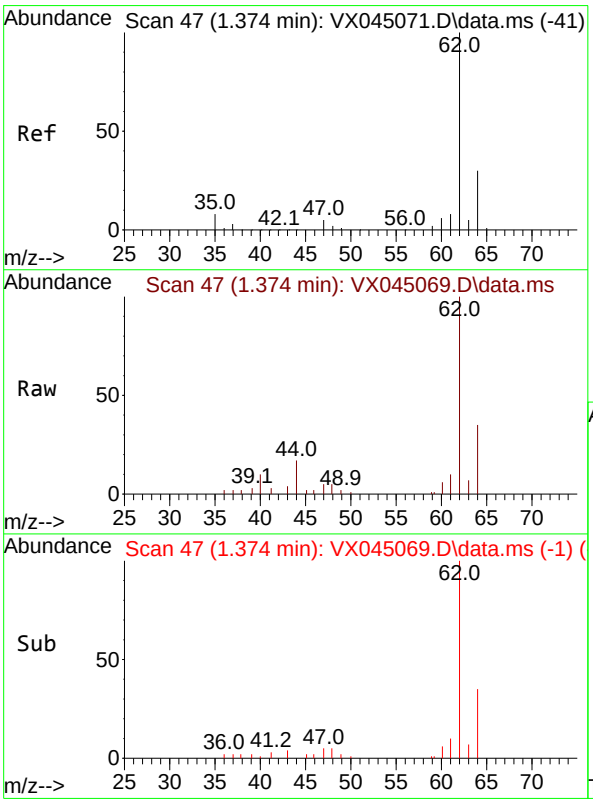
#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 8819

Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4

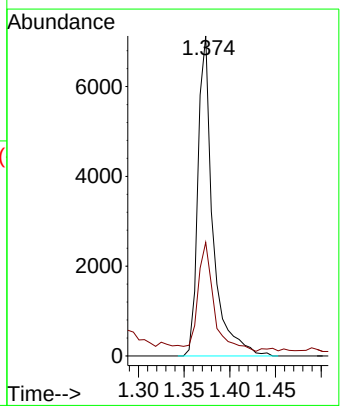


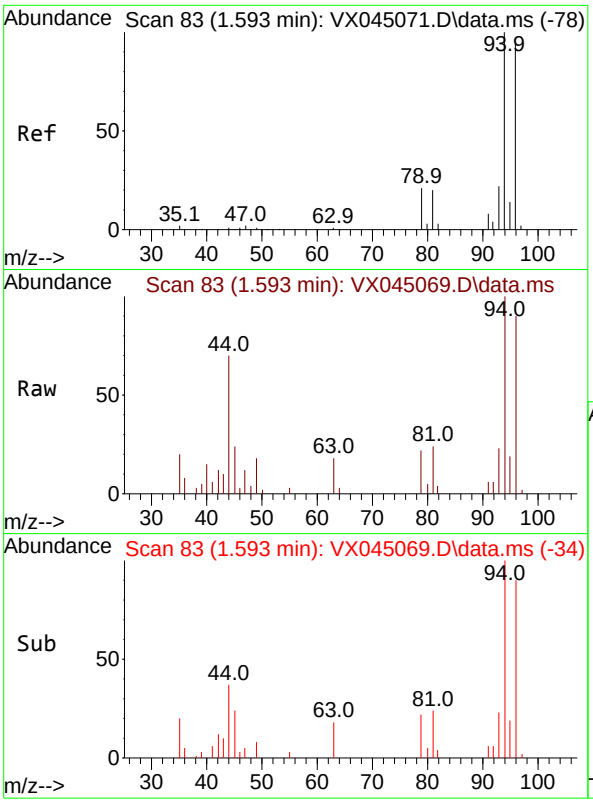


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5



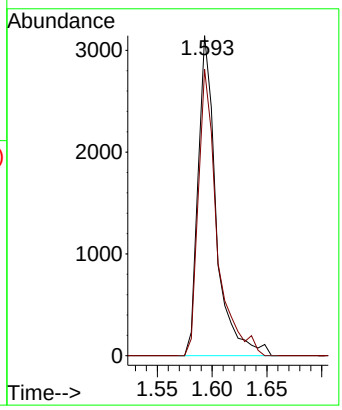


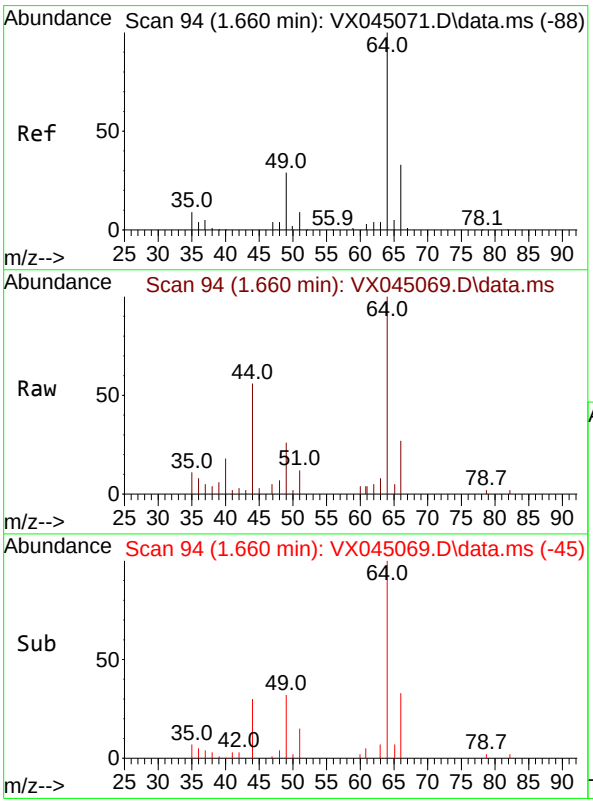
#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3620

Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4

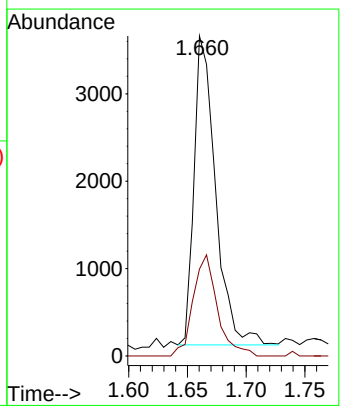


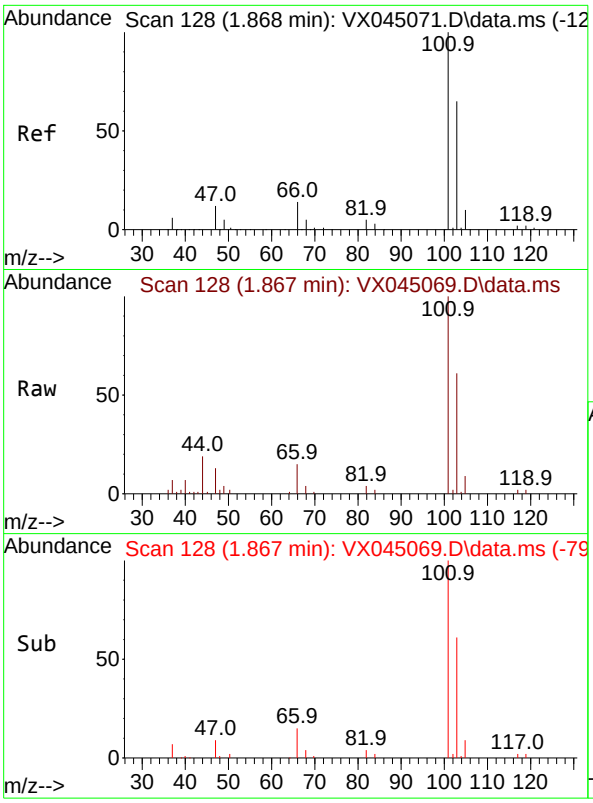


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1



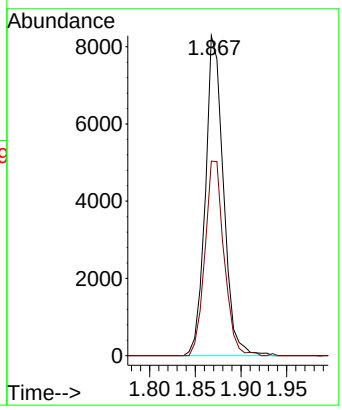


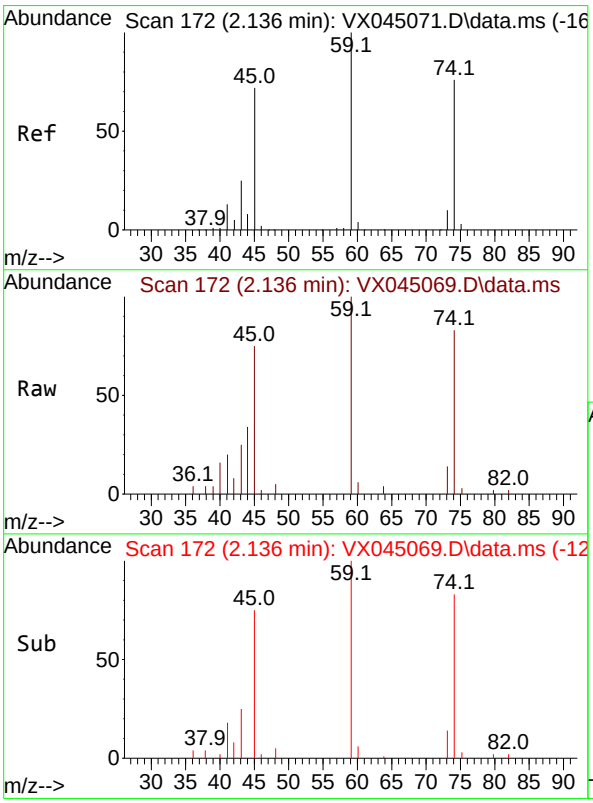
#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11392

Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1

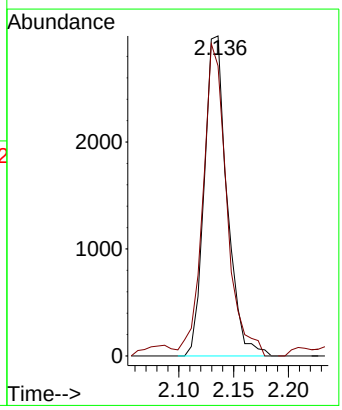


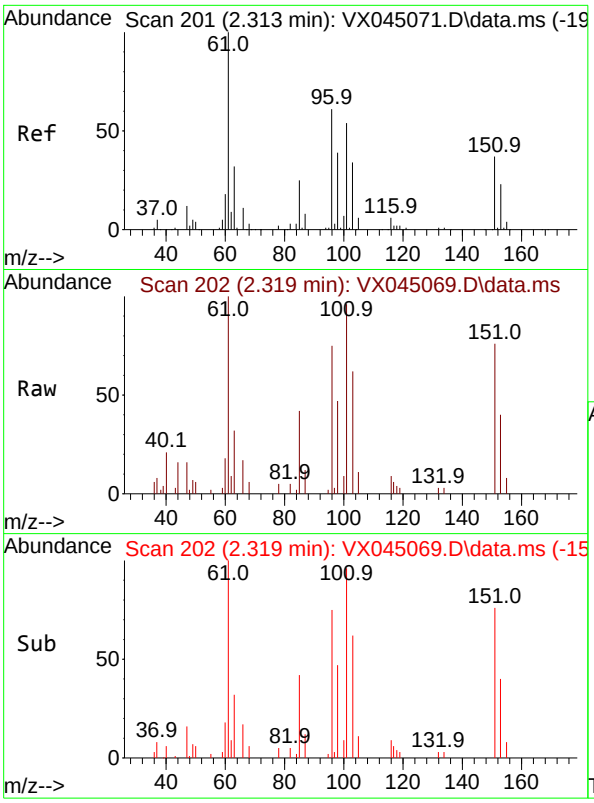


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314

Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.5	154.5



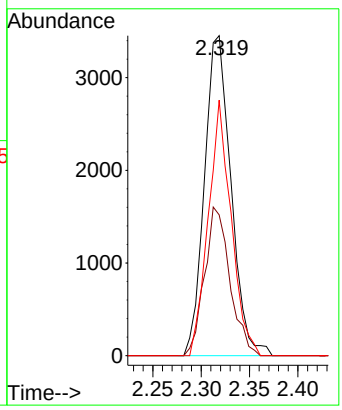


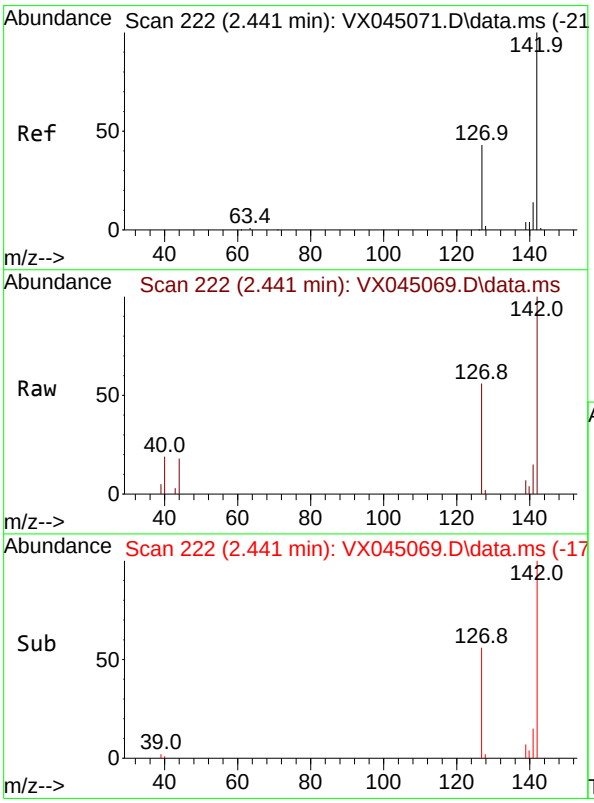
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 6586

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6

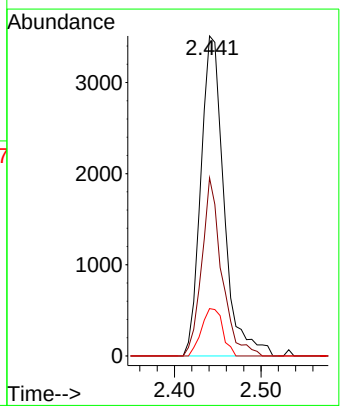


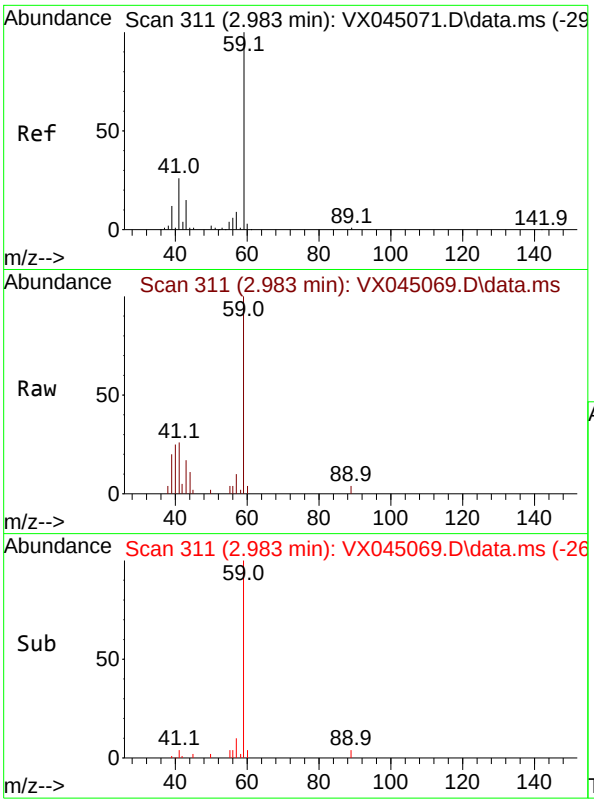


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:142 Resp: 6520

Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.4	53.2
141	13.5	11.6	17.4



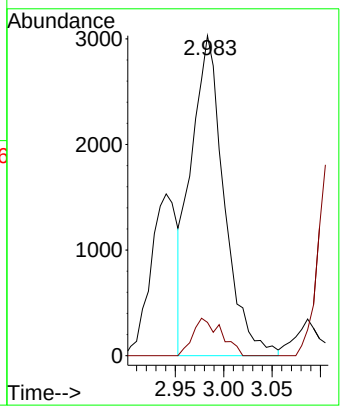


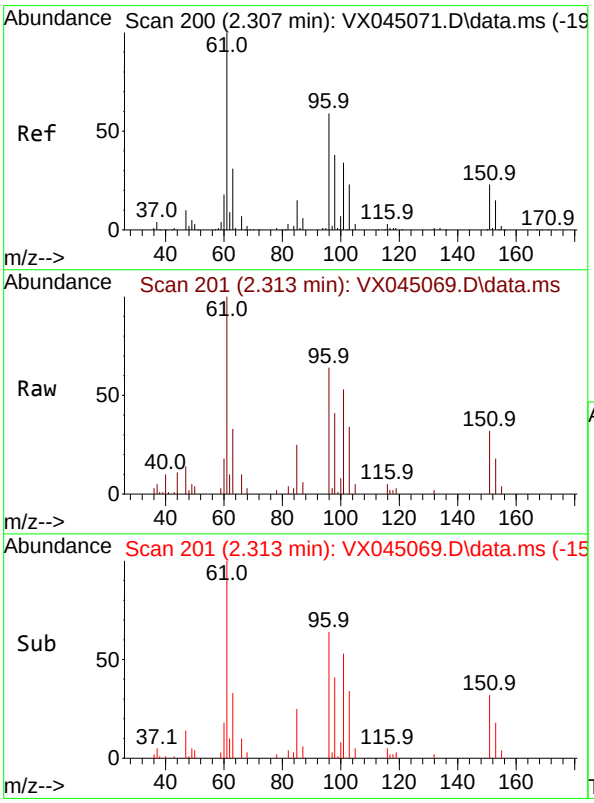
#11
Tert butyl alcohol
Concen: 24.859 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 7224

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

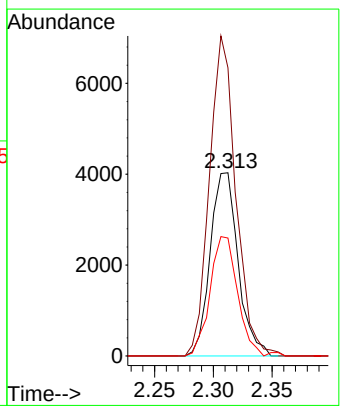


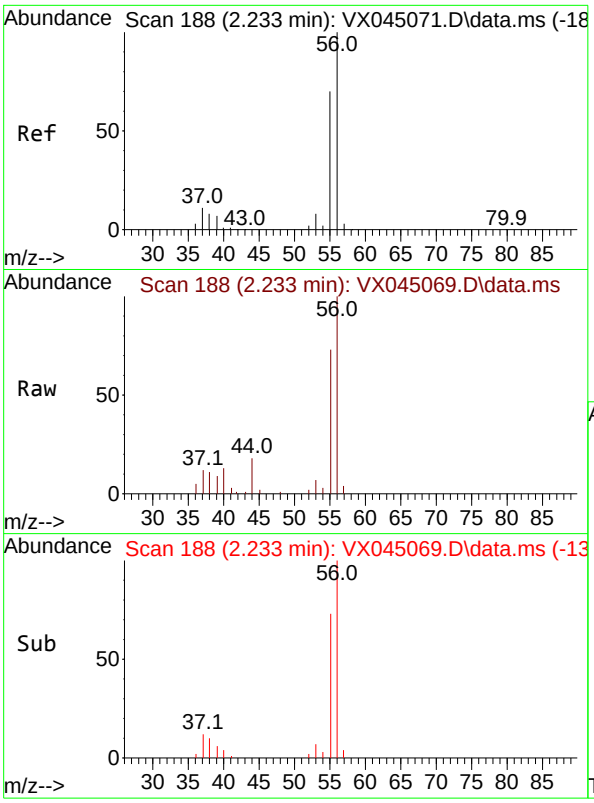


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 6658

Ion	Ratio	Lower	Upper
96	100		
61	157.3	134.6	202.0
98	64.3	51.0	76.6



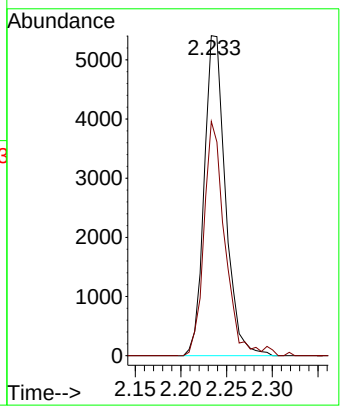


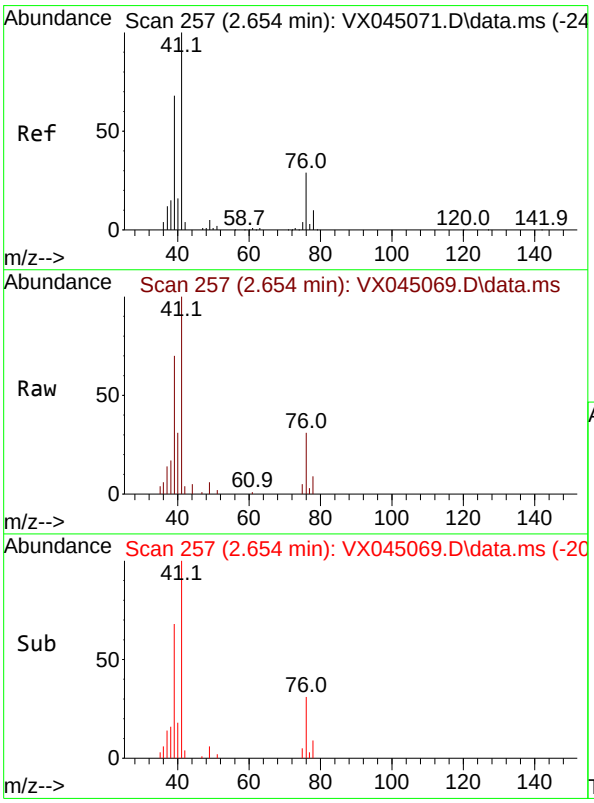
#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8725

Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4

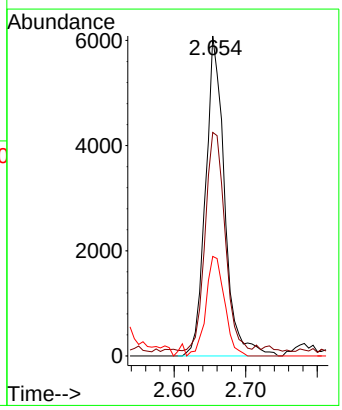


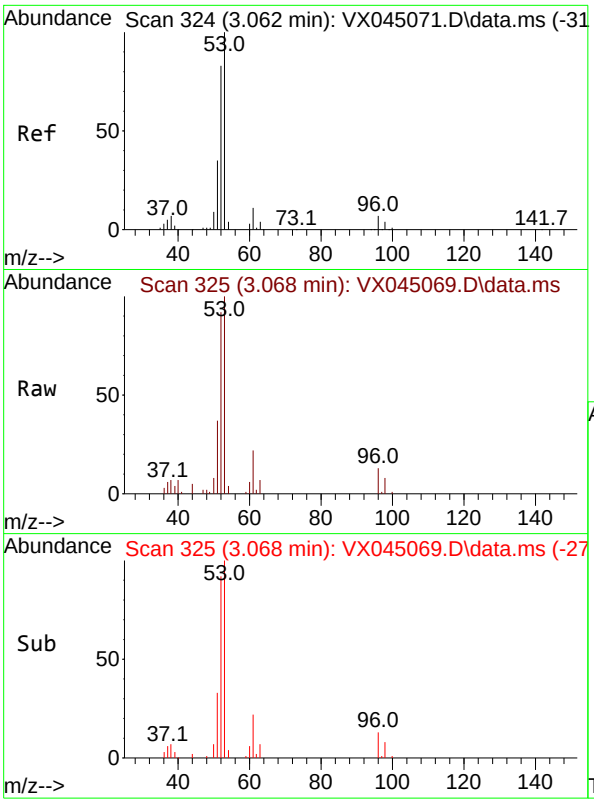


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 11244

Ion	Ratio	Lower	Upper
41	100		
39	70.8	53.8	80.8
76	30.4	25.2	37.8



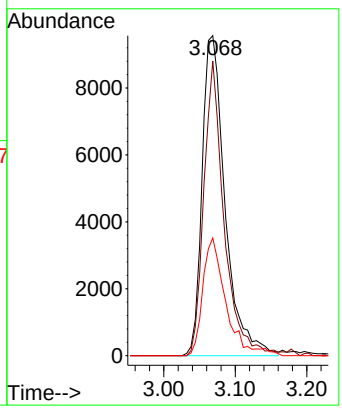


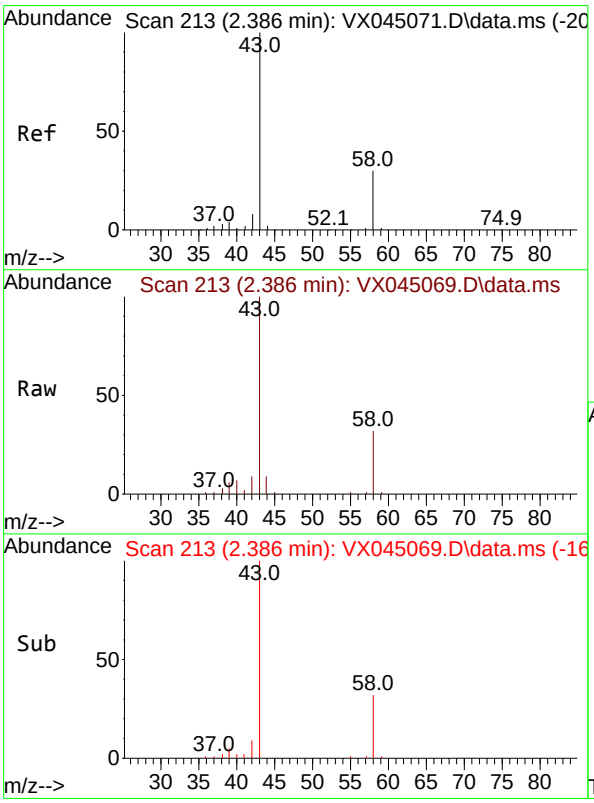
#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 21381

Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	36.7	29.0	43.4

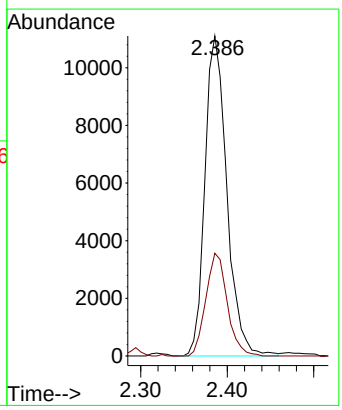


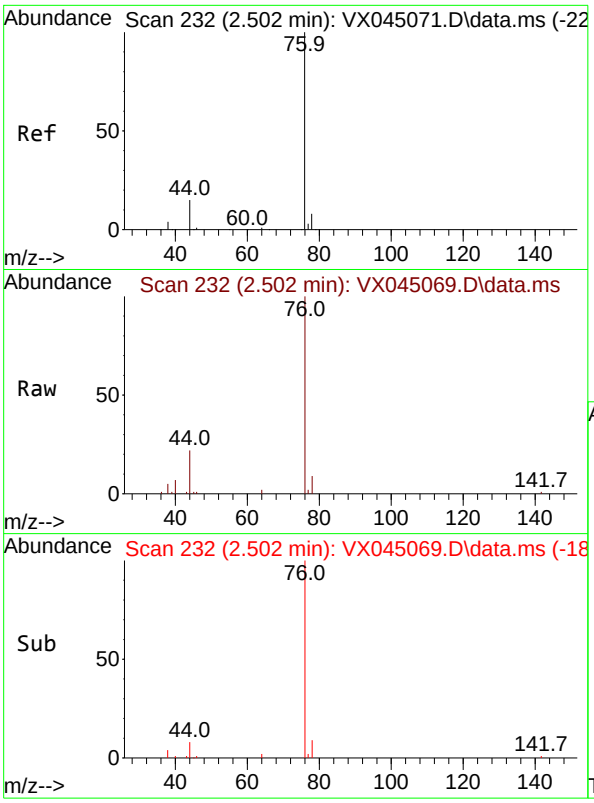


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 19512

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4



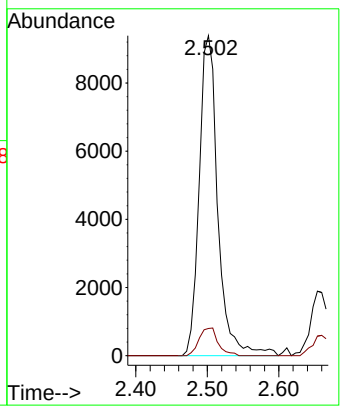


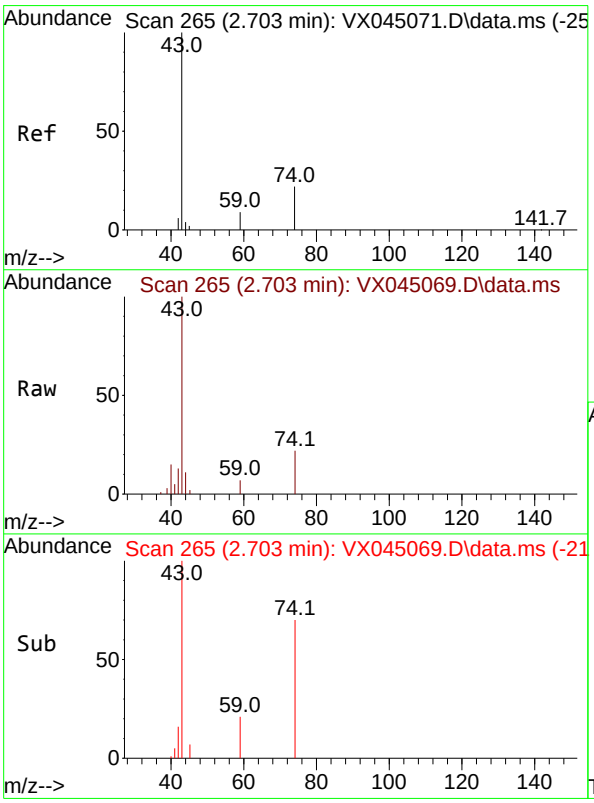
#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 16984

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

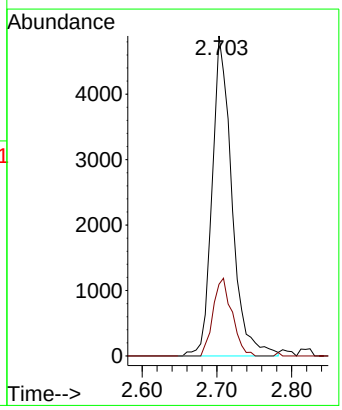


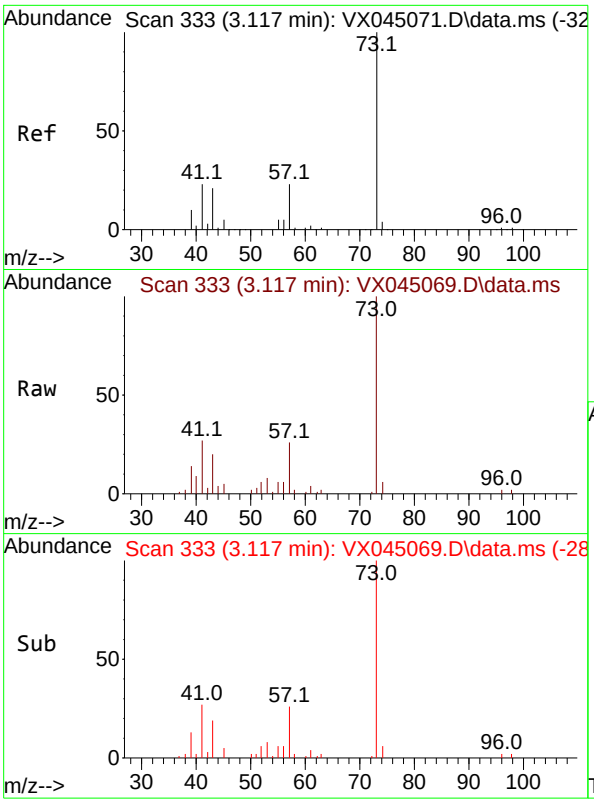


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8964

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.4	26.2



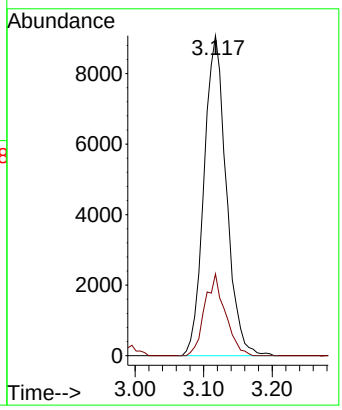


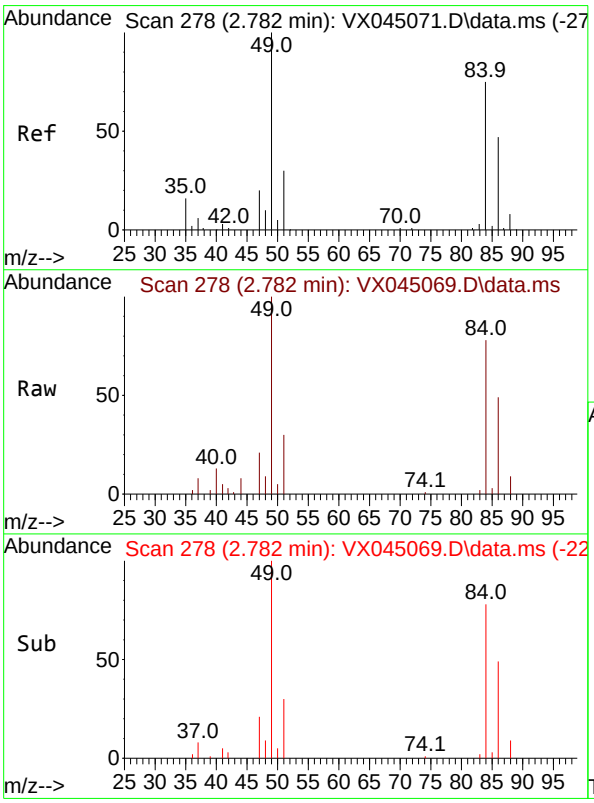
#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 20546

Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

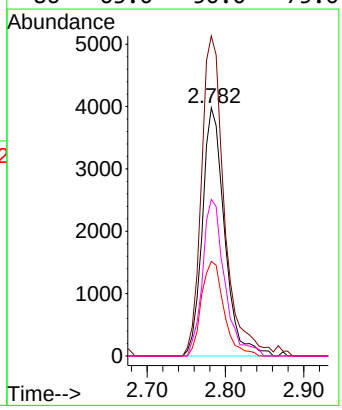


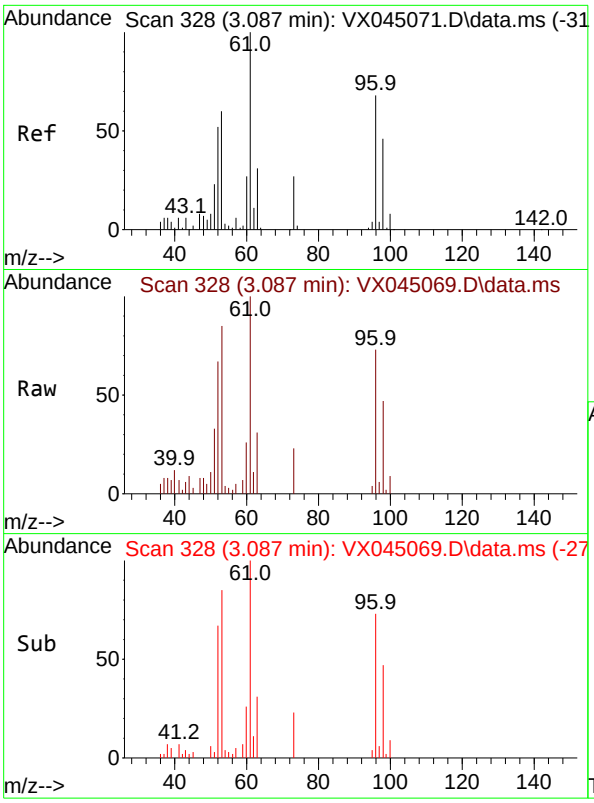


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 84 Resp: 7835

Ion	Ratio	Lower	Upper
84	100		
49	128.9	106.5	159.7
51	38.1	32.1	48.1
86	63.0	50.0	75.0



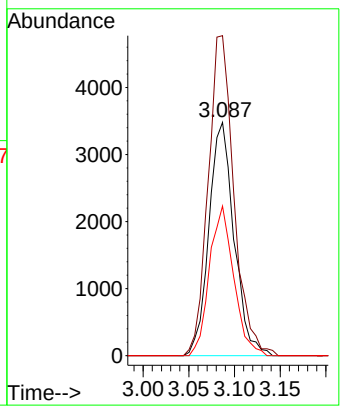


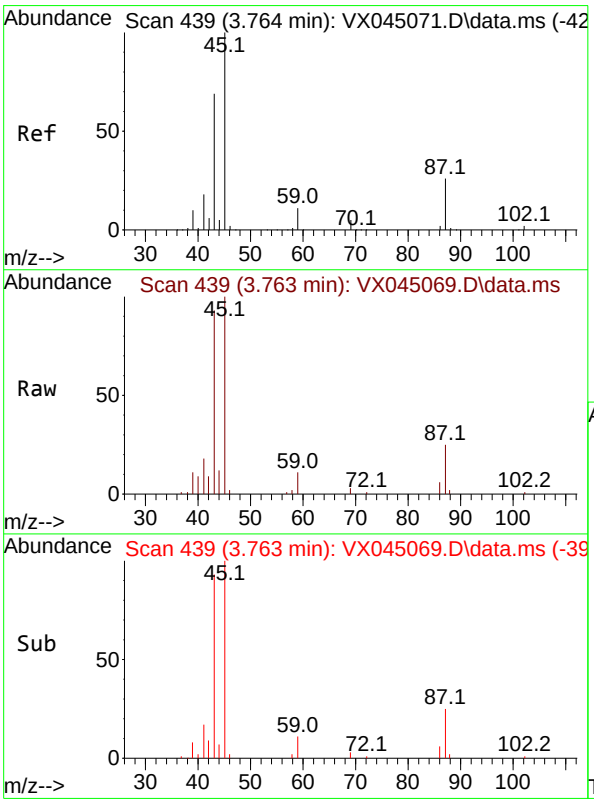
#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 6651

Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	64.1	53.4	80.2

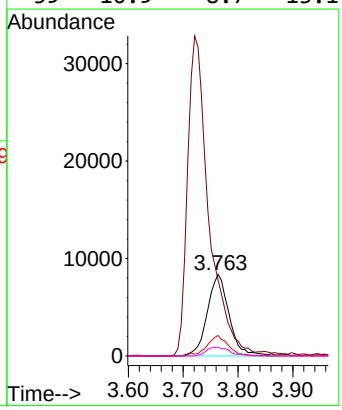


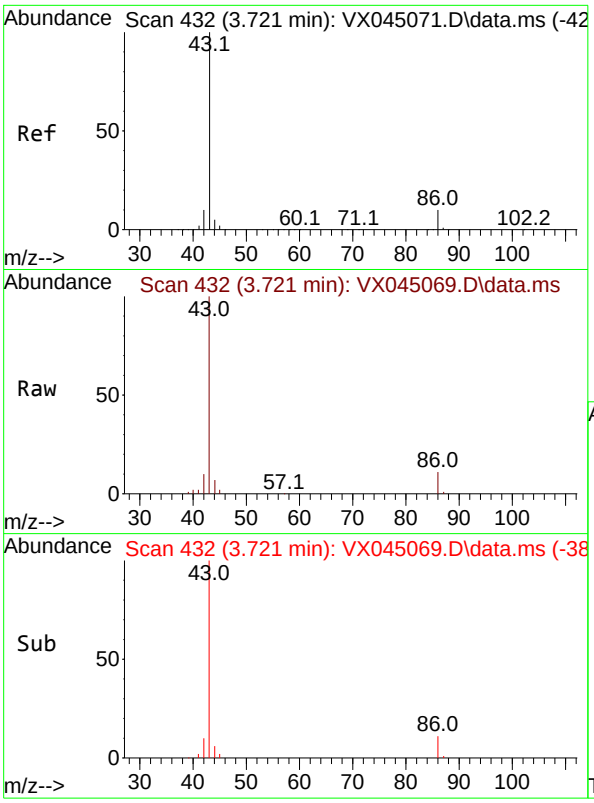


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 45 Resp: 23151

Ion	Ratio	Lower	Upper
45	100		
43	90.2	54.9	82.3#
87	25.1	21.0	31.4
59	10.9	8.7	13.1



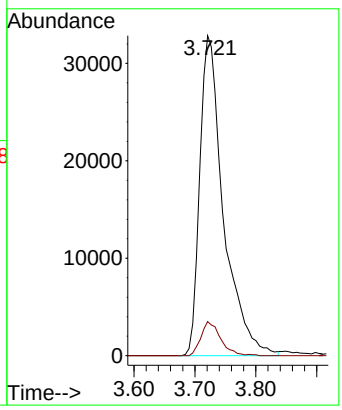


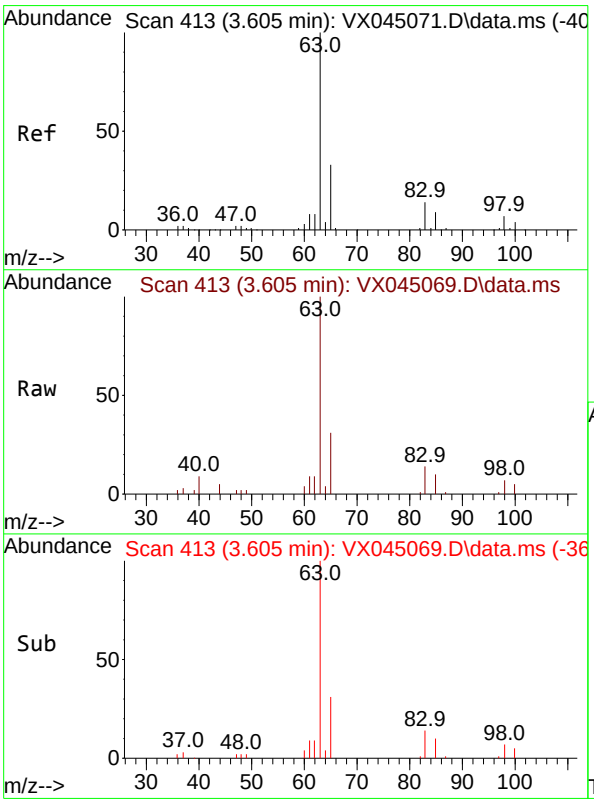
#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 88852

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

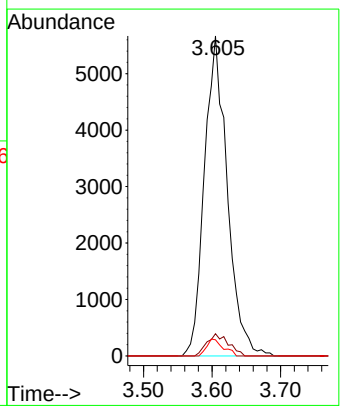


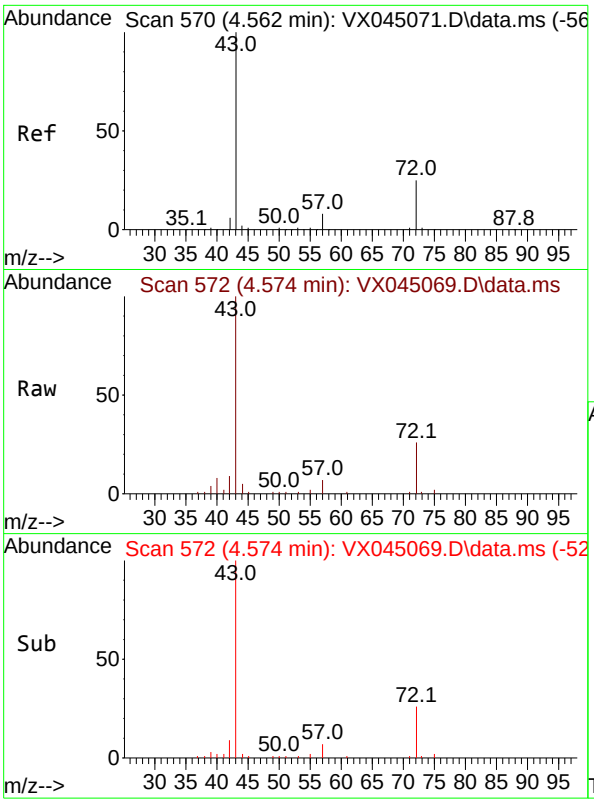


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 13132

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	5.1	2.1	6.5



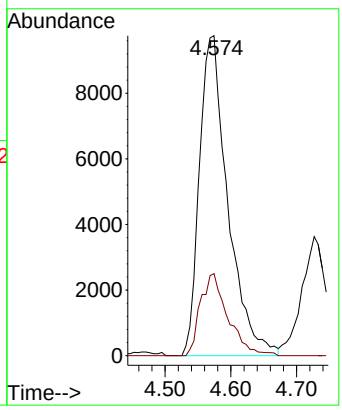


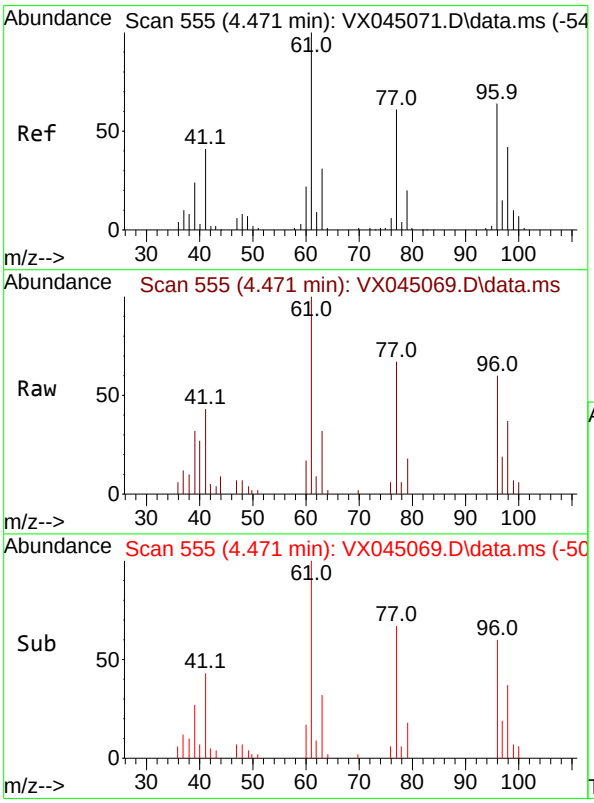
#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 29277

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0

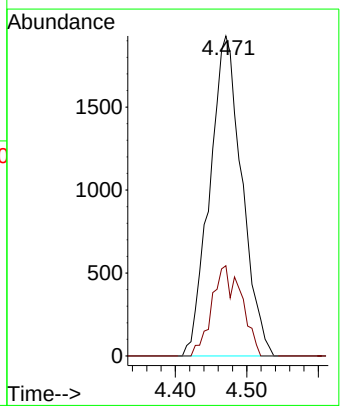


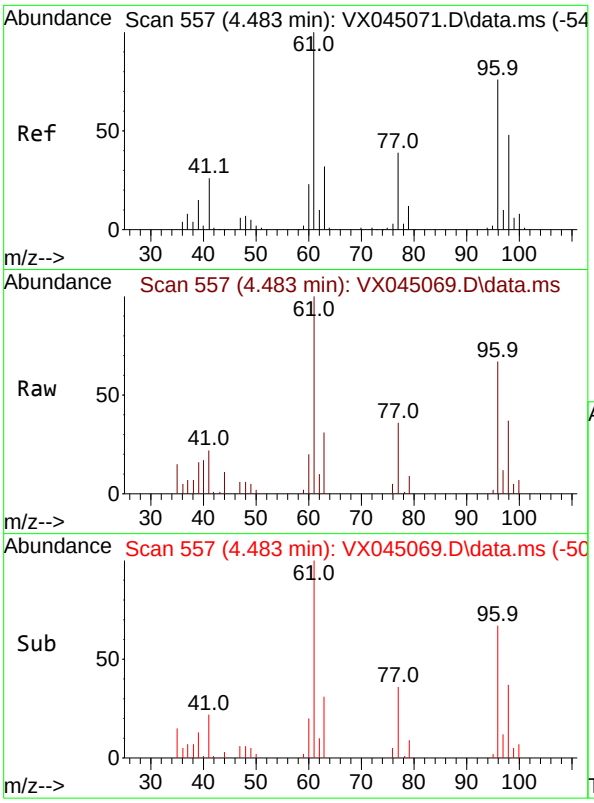


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 77 Resp: 6034

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.4	37.0



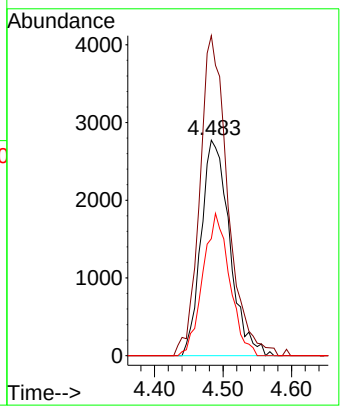


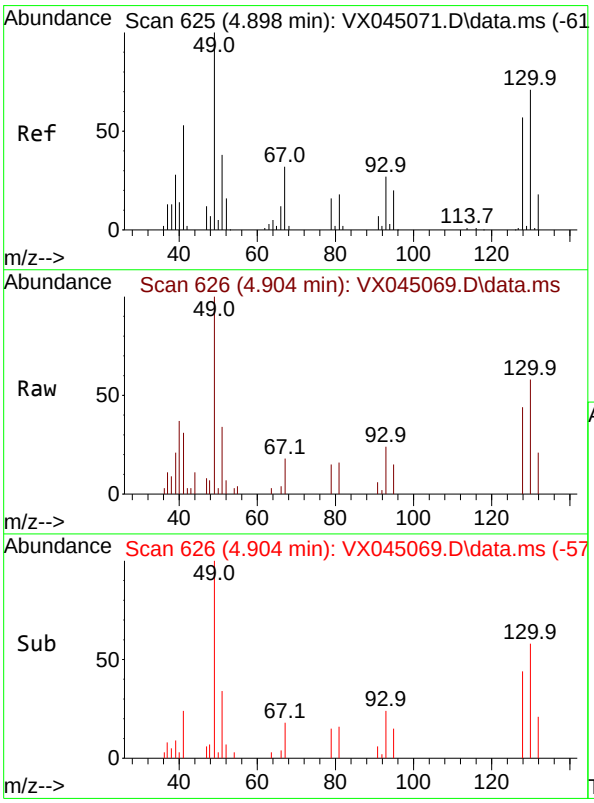
#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 8012

Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	283.2
98	62.0	0.0	128.0

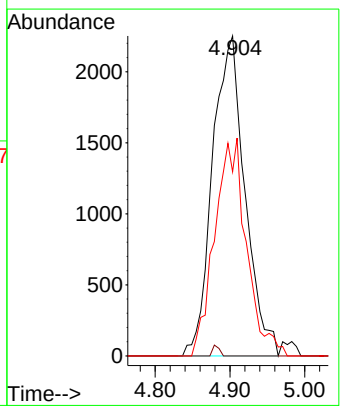


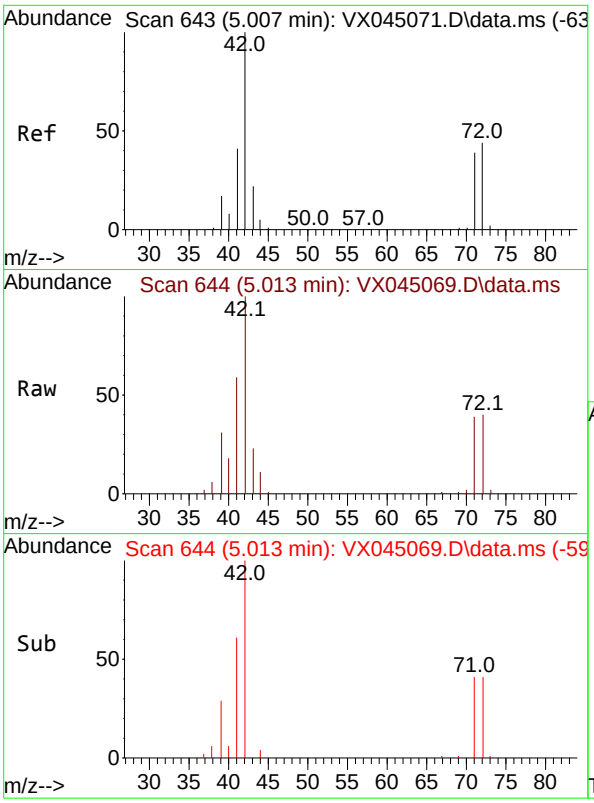


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 49 Resp: 6797

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	66.5	56.1	84.1



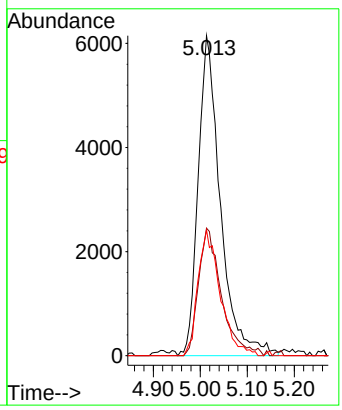


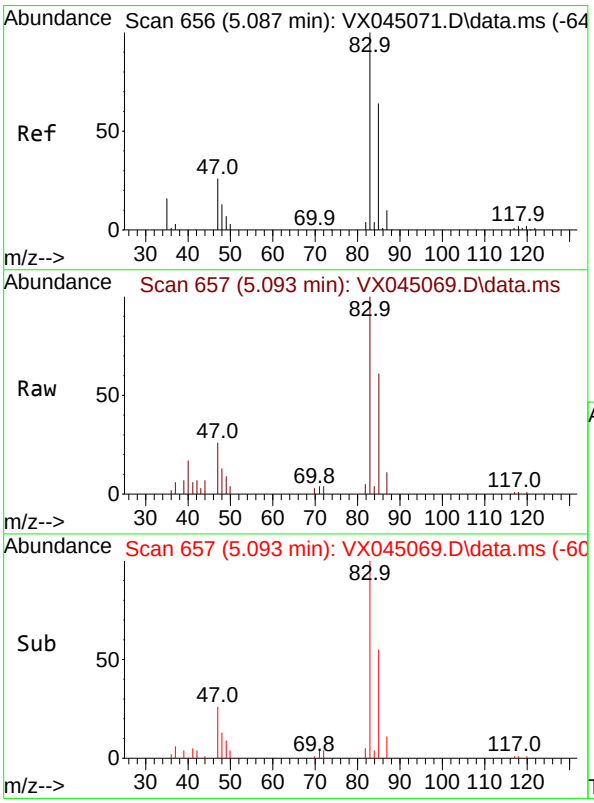
#29
Tetrahydrofuran
Concen: 28.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 20186

Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.1	51.1
71	39.3	31.4	47.0

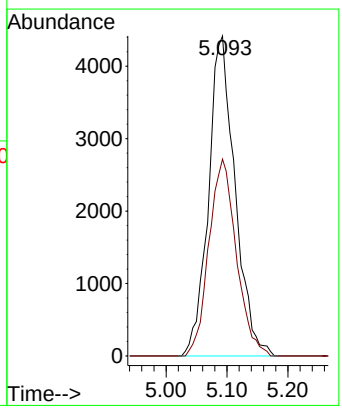


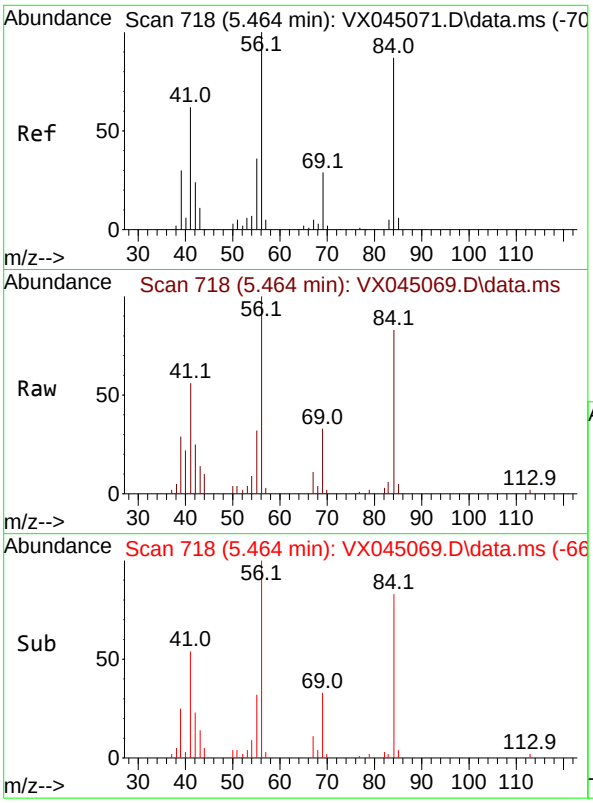


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 13390

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2



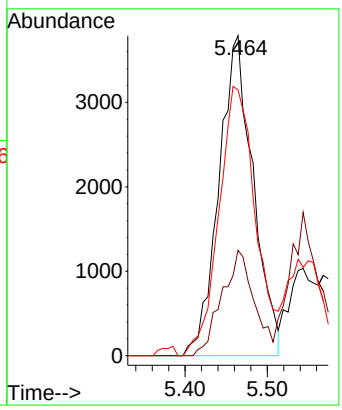


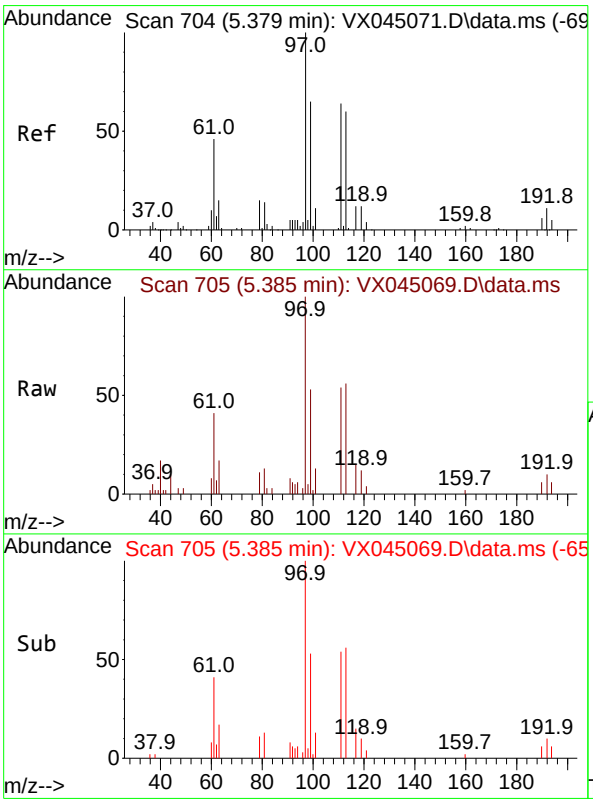
#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 10968

Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.4	35.2
84	83.1	69.4	104.2

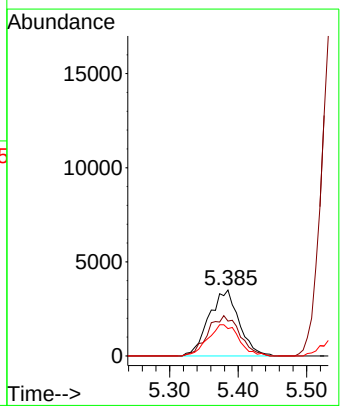


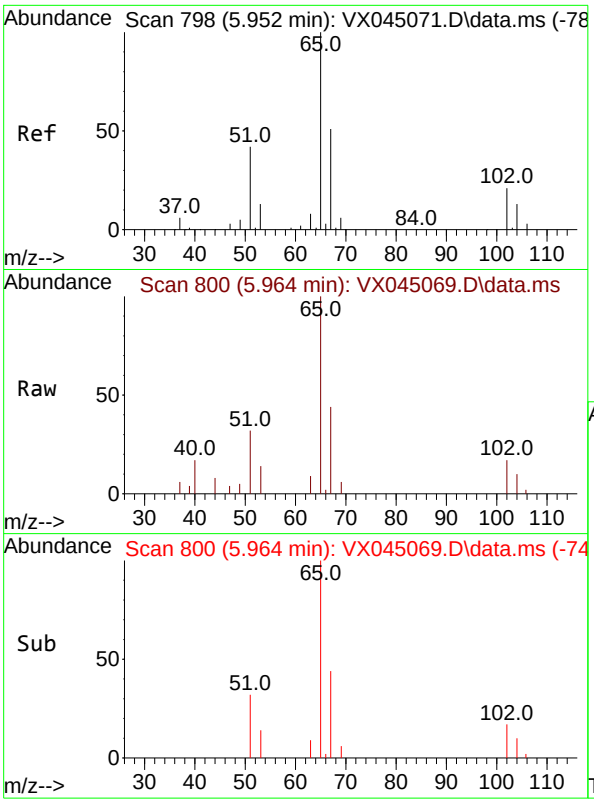


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 10654

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.7	38.4	57.6



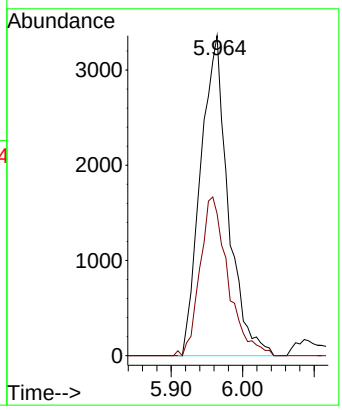


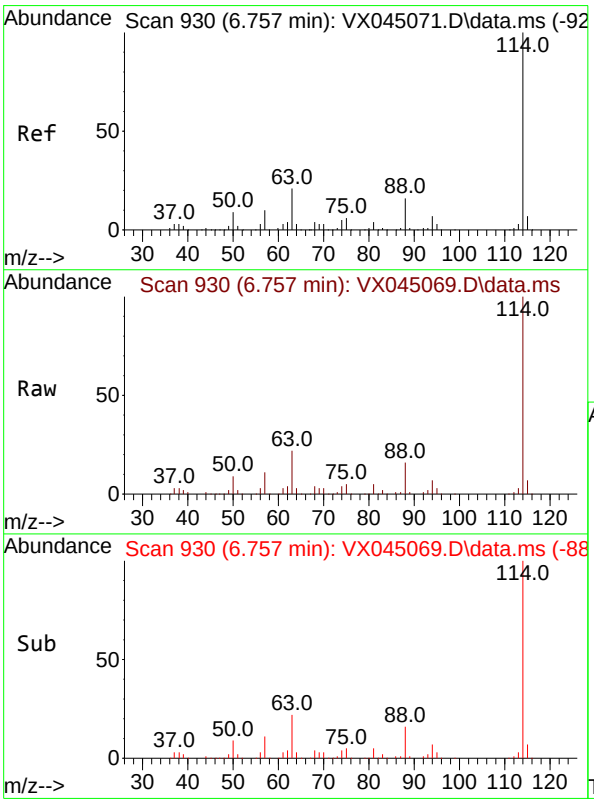
#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 8978

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2

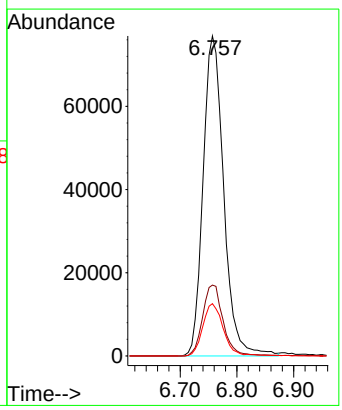


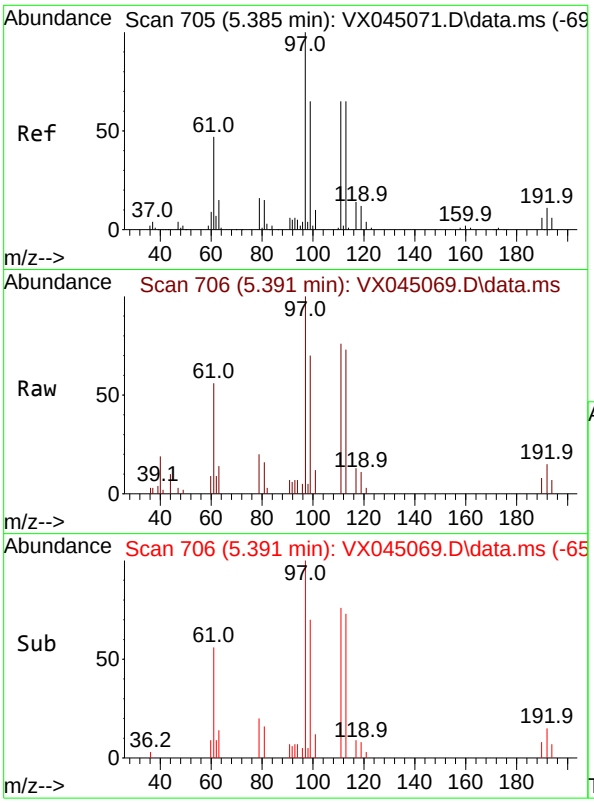


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:114 Resp: 194243

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.8
88	16.4	0.0	32.8



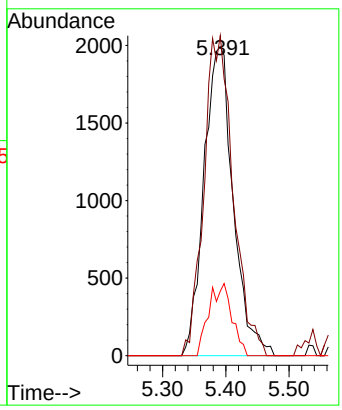


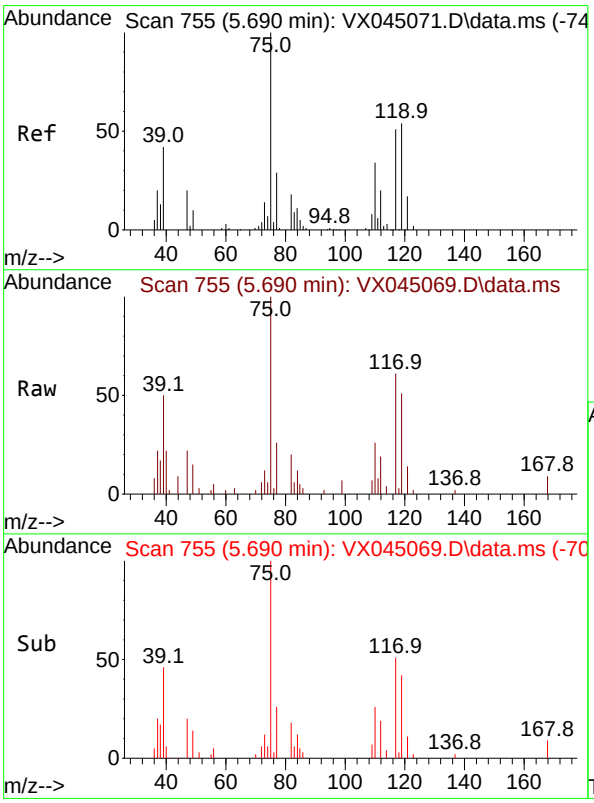
#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 6398

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.3	14.3	21.5

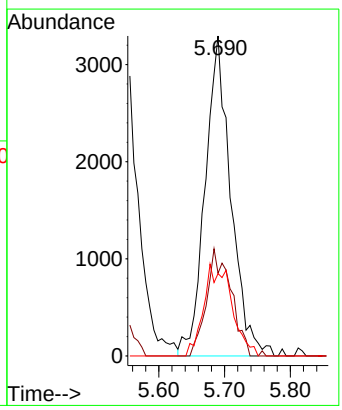


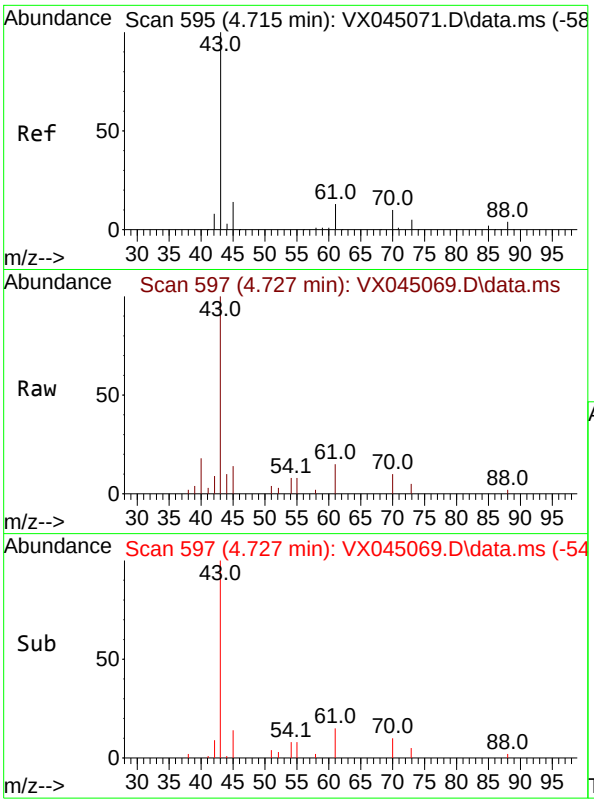


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8977

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.9	50.6
77	13.2	24.5	36.7#



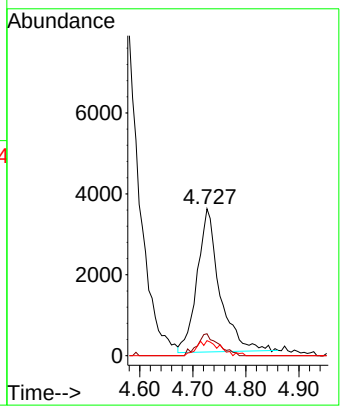


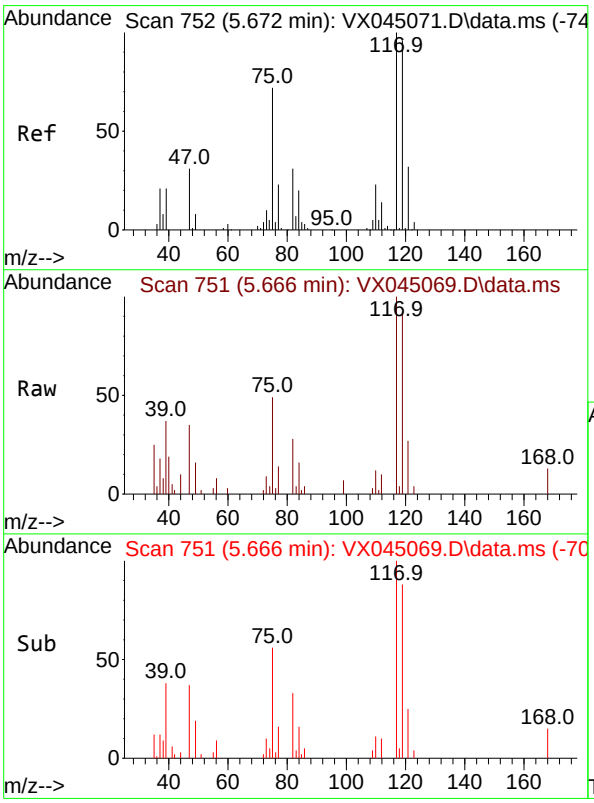
#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 10459

Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5

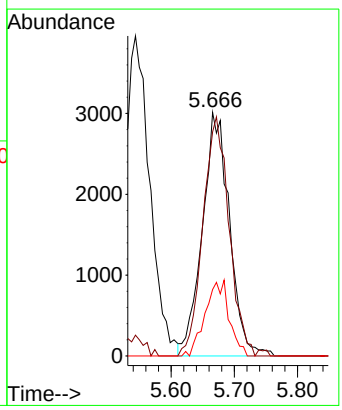


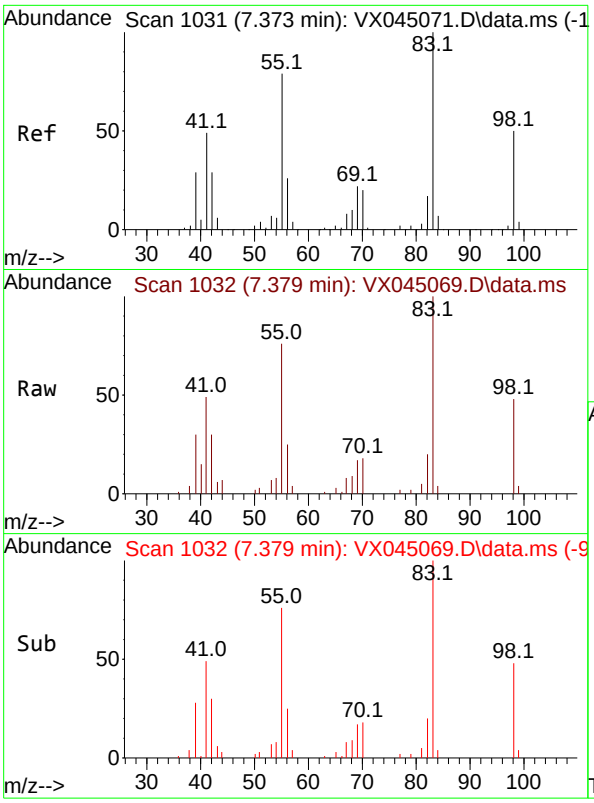


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 8997

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.7	115.1
121	27.2	25.5	38.3



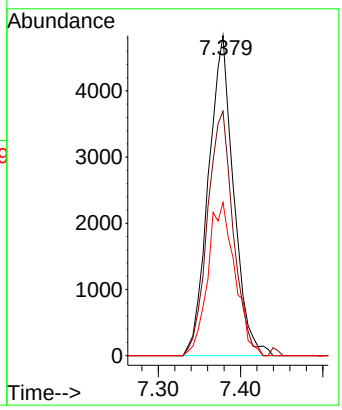


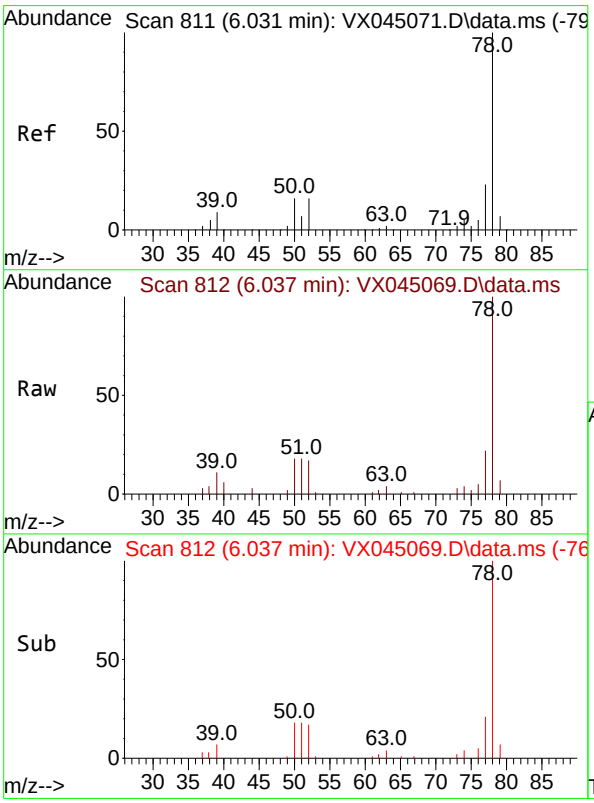
#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 10291

Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.0	94.4
98	47.9	39.7	59.5

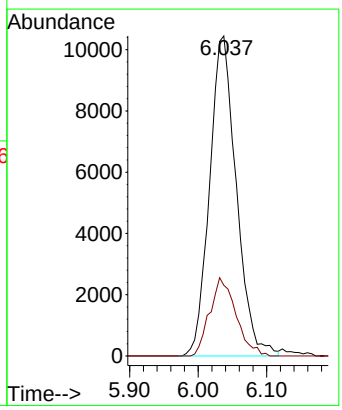


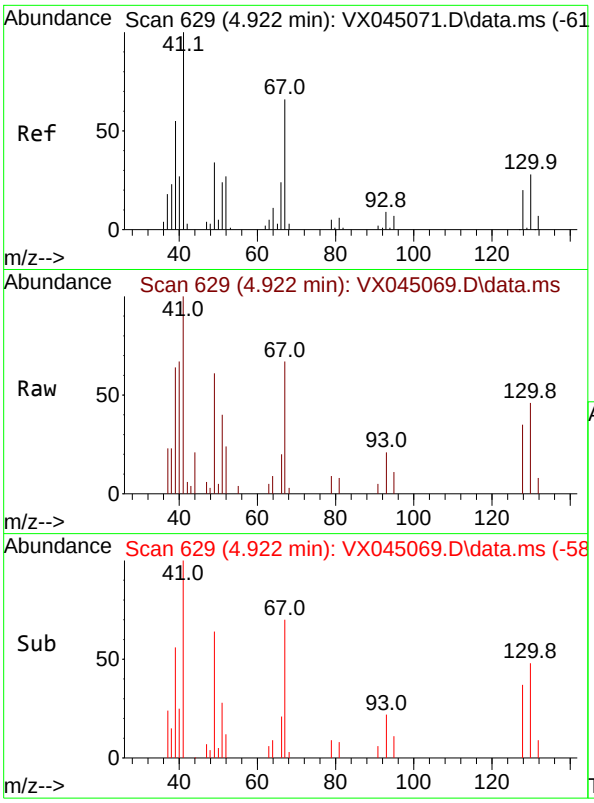


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 78 Resp: 28339

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2



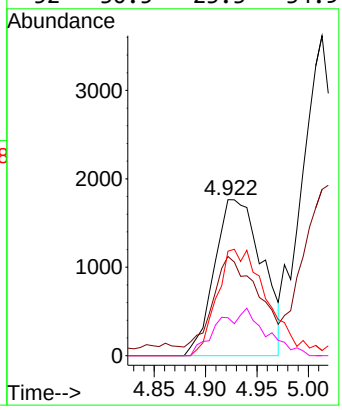


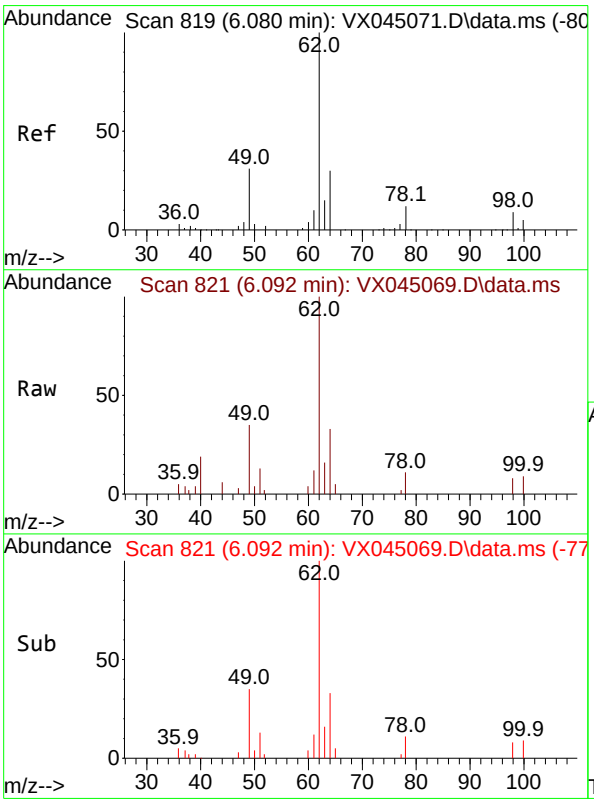
#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 5700

Ion	Ratio	Lower	Upper
41	100		
39	53.3	44.6	67.0
67	73.4	53.9	80.9
52	30.5	23.3	34.9

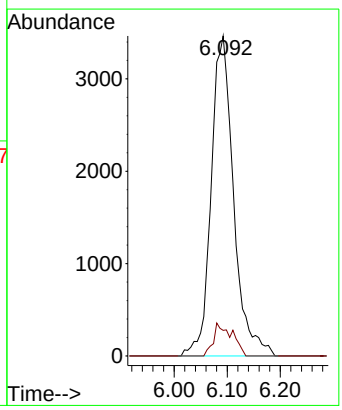


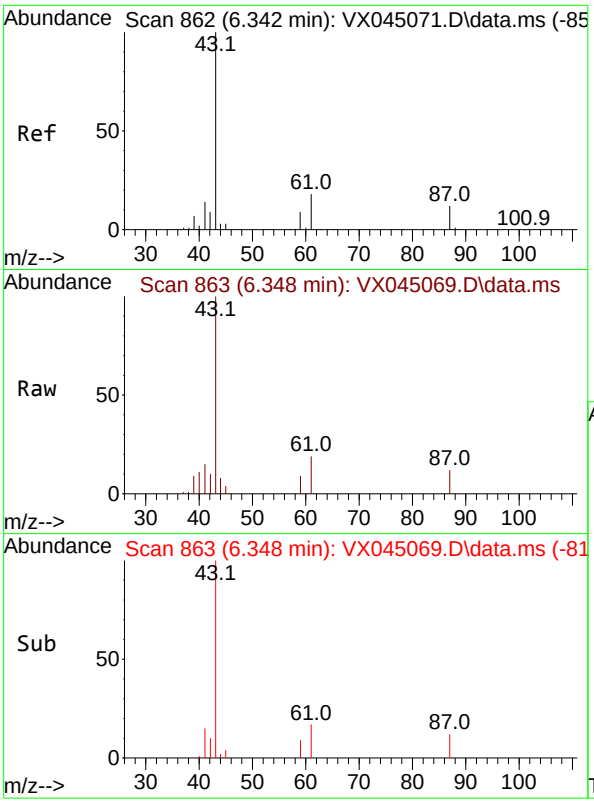


#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 10189

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



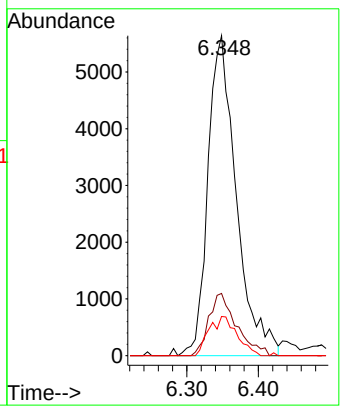


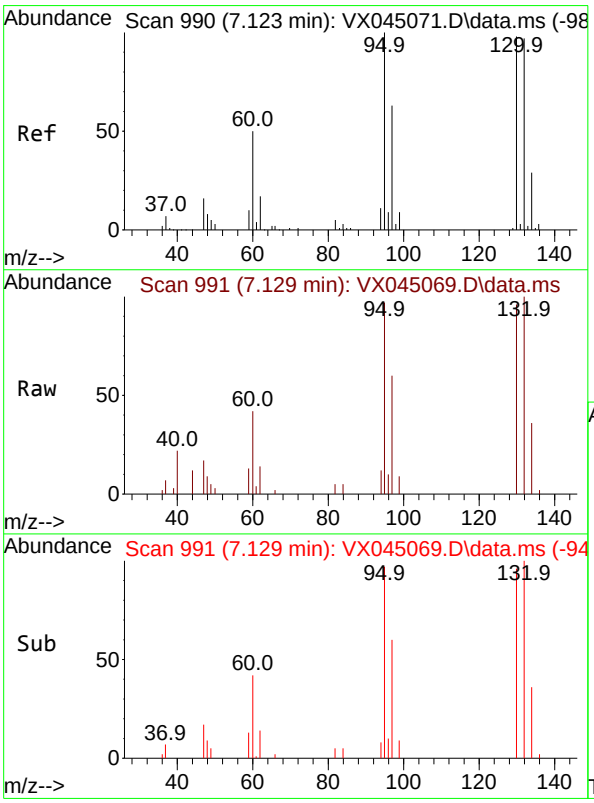
#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 15543

Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.9	22.3
87	12.1	9.4	14.2

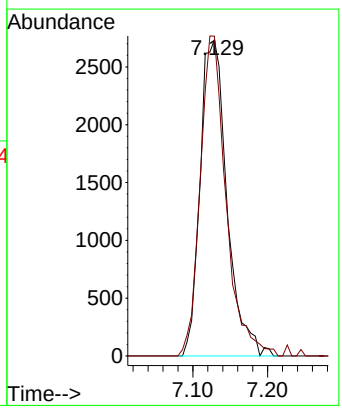


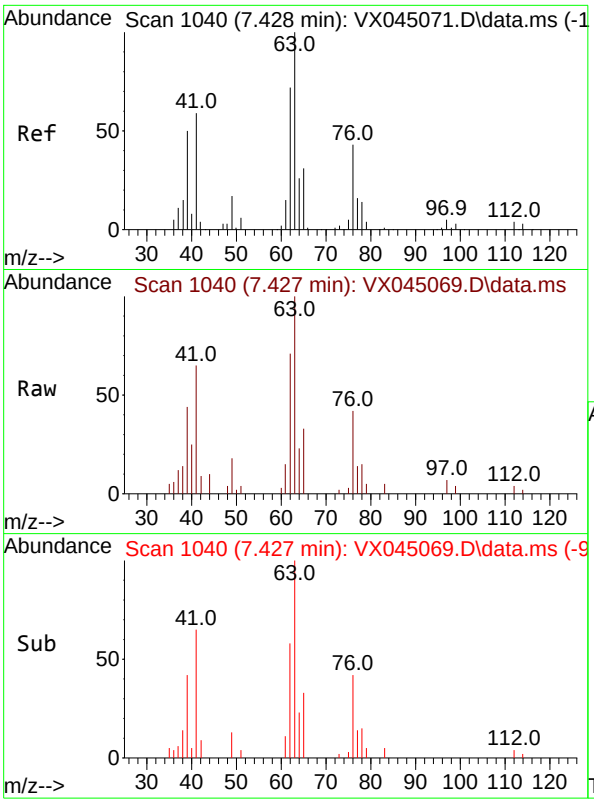


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0



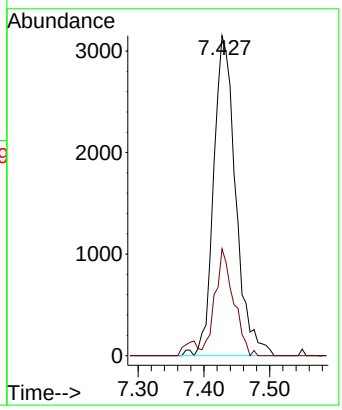


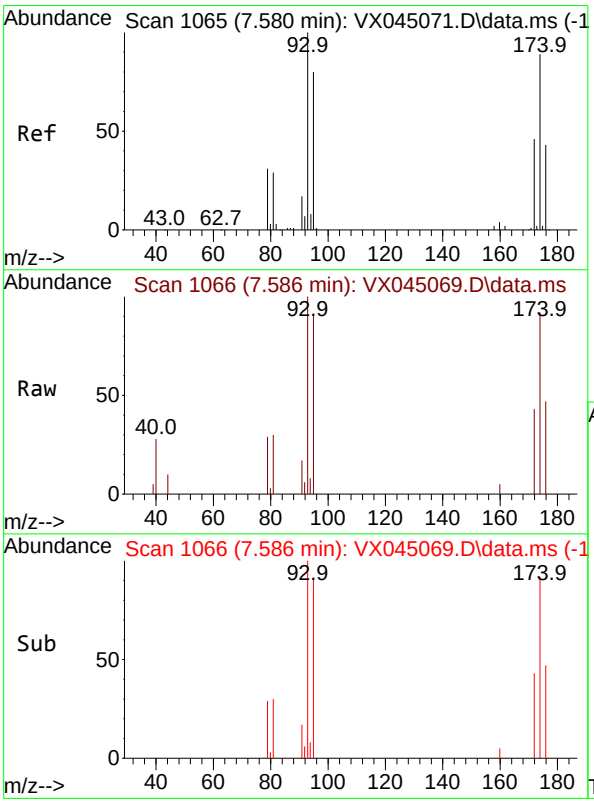
#45
1,2-Dichloropropane
Concen: 5.177 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 7342

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1

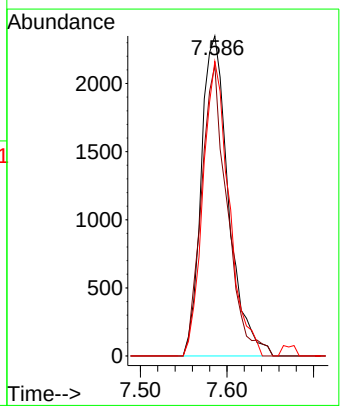


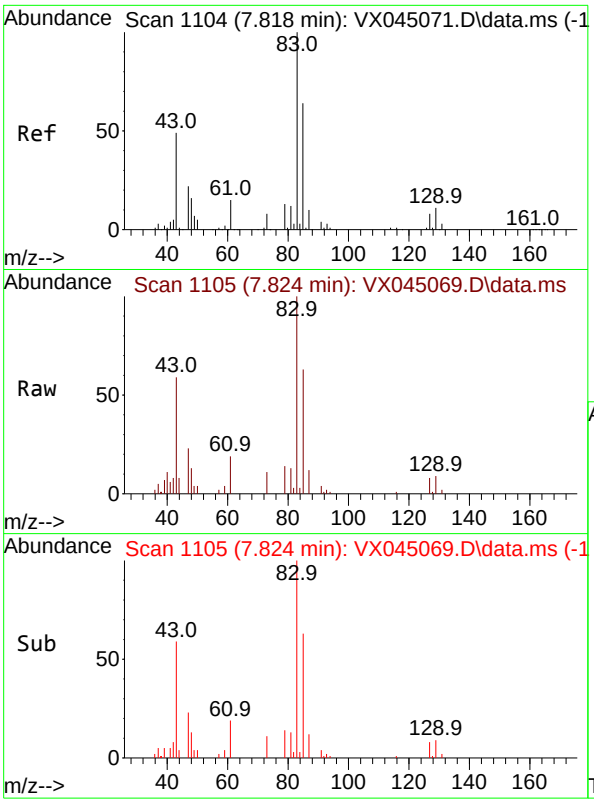


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 93 Resp: 5146

Ion	Ratio	Lower	Upper
93	100		
95	86.2	65.8	98.8
174	88.2	72.2	108.2



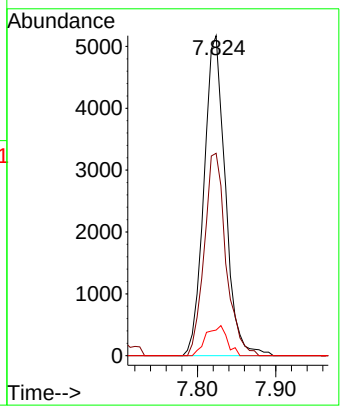


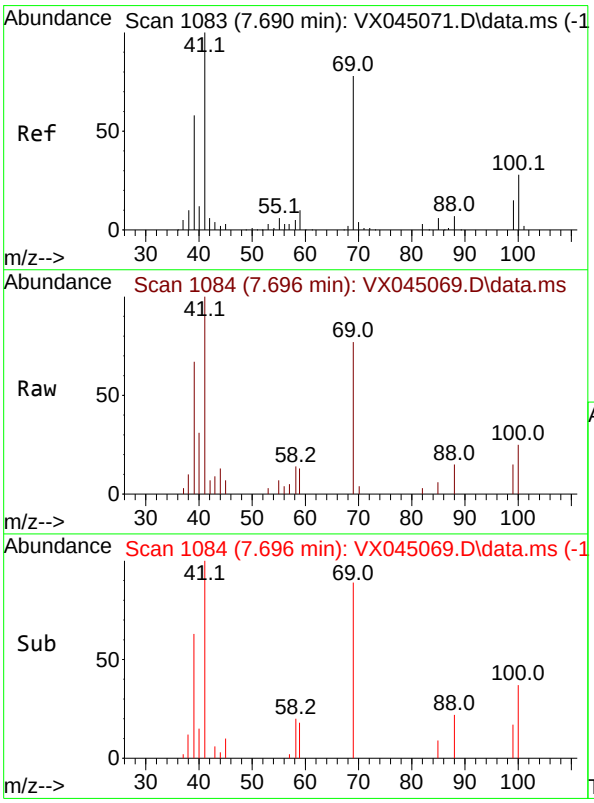
#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 9773

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.4	9.6

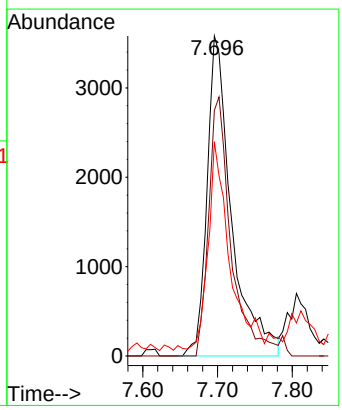


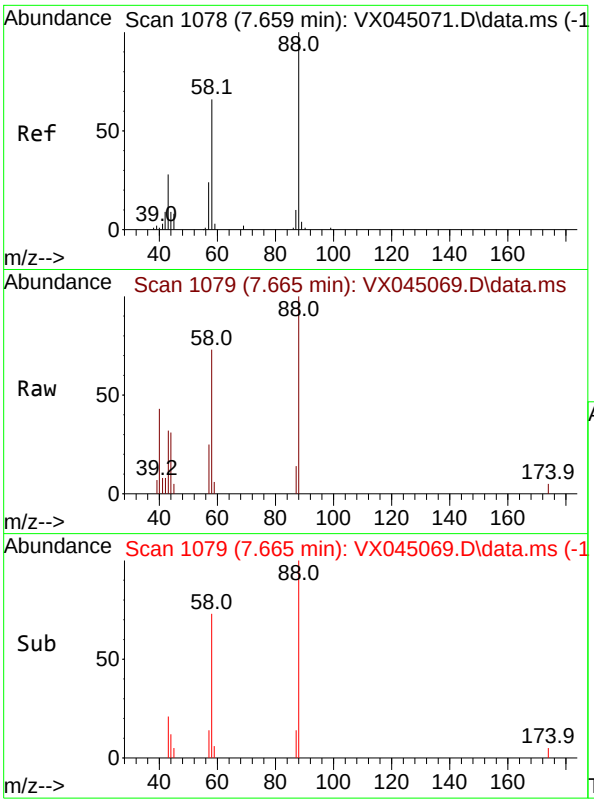


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 8201

Ion	Ratio	Lower	Upper
41	100		
69	74.0	63.0	94.6
39	55.4	47.5	71.3



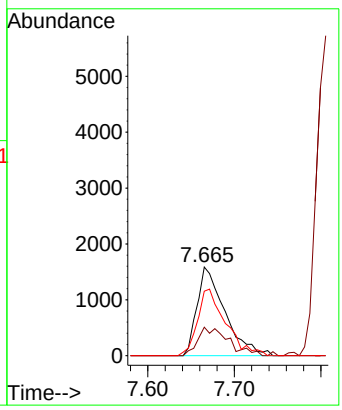


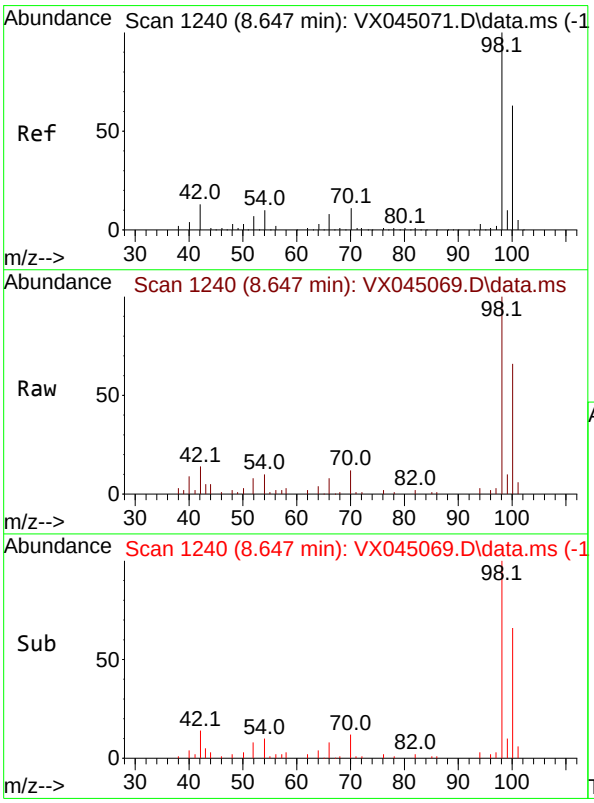
#49
1,4-Dioxane
Concen: 105.826 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3531

Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.7	43.1
58	75.9	55.8	83.8

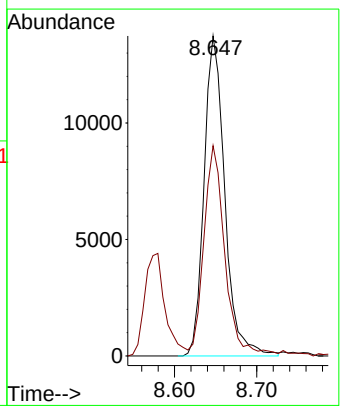


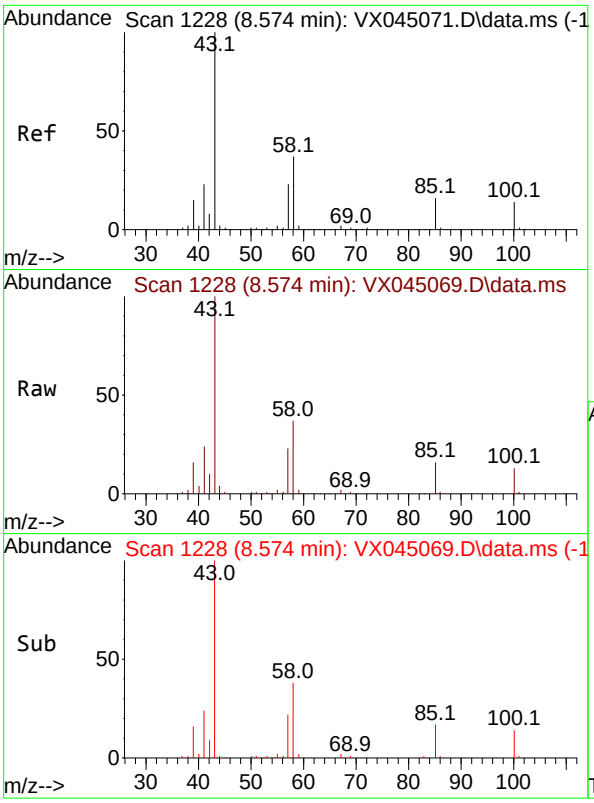


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 98 Resp: 24037

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



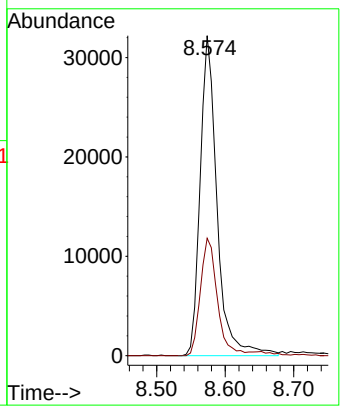


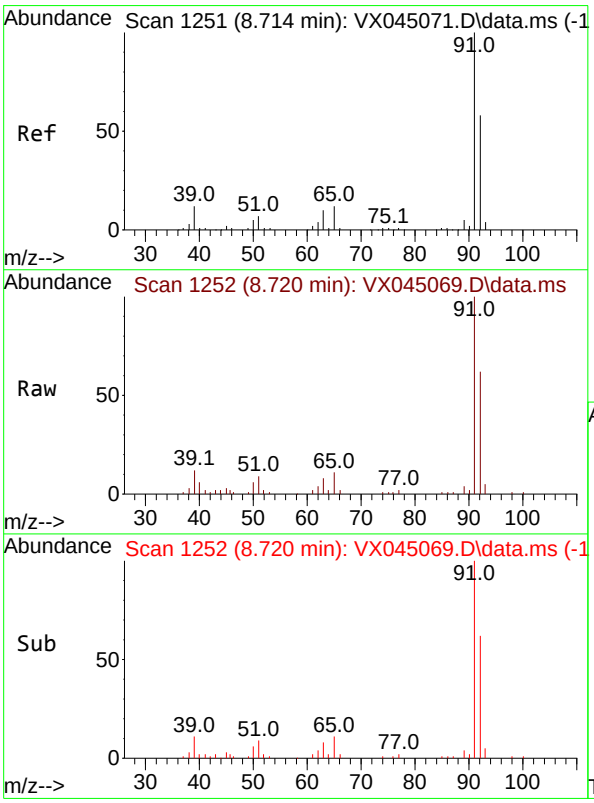
#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 55320

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8

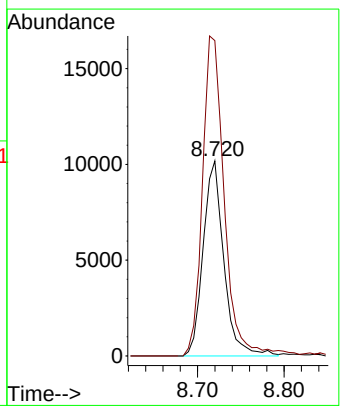


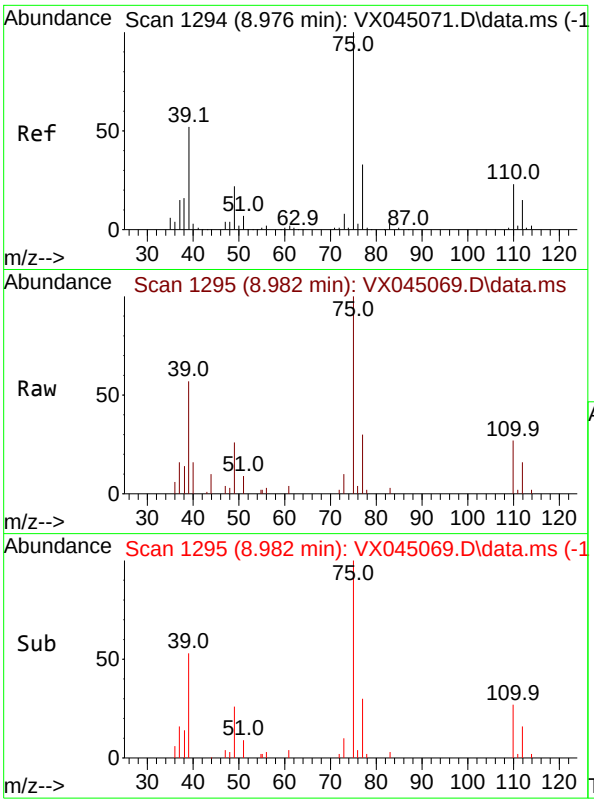


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3



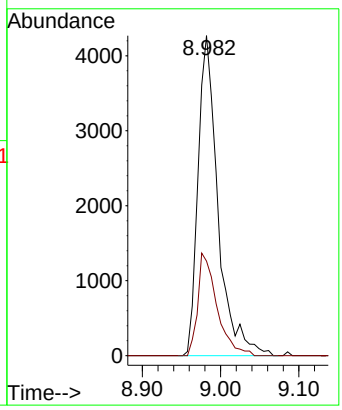


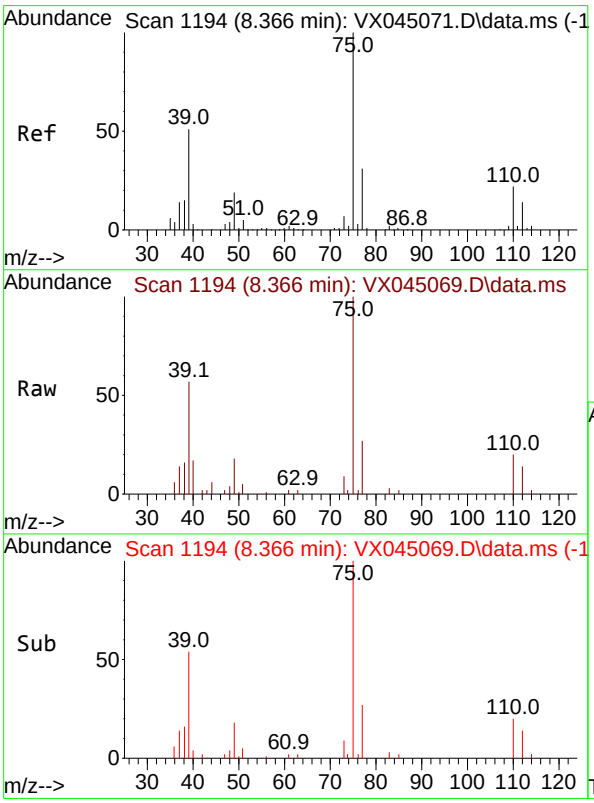
#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 7548

Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7

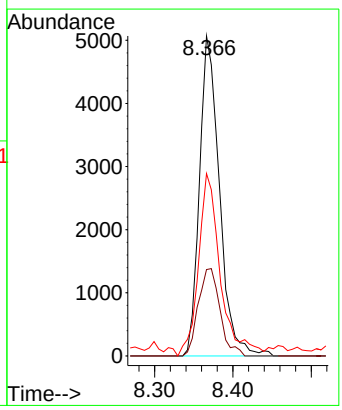


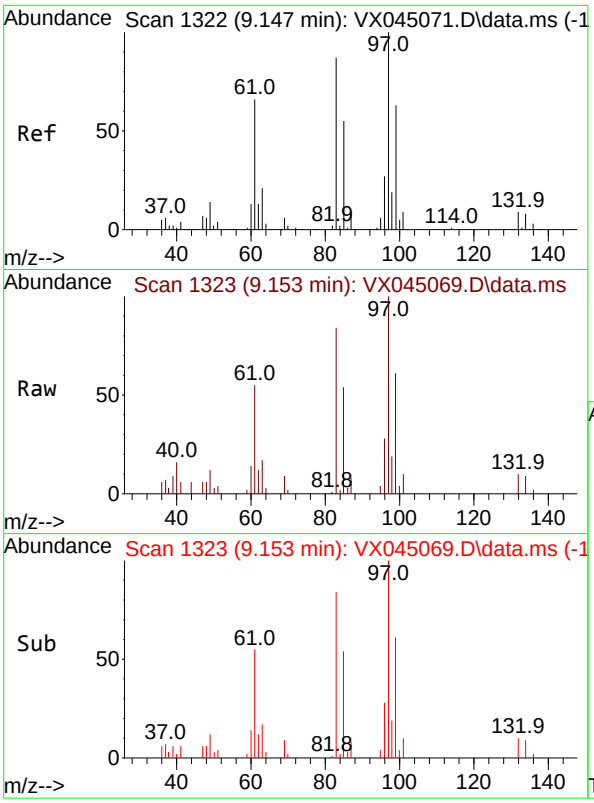


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8988

Ion	Ratio	Lower	Upper
75	100		
77	27.0	24.7	37.1
39	57.0	40.7	61.1



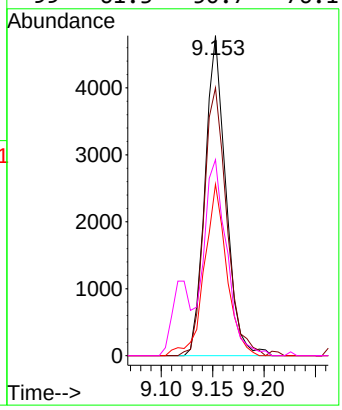


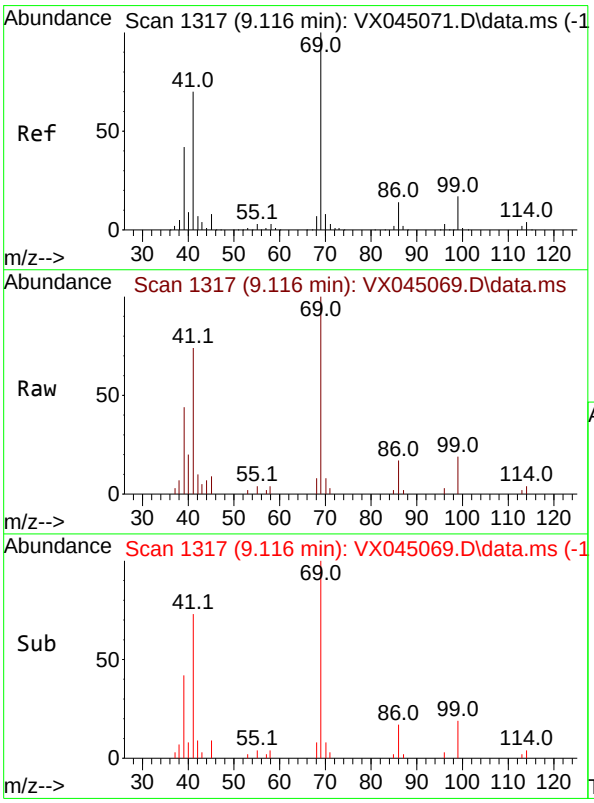
#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 6759

Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	53.6	44.1	66.1
99	61.3	50.7	76.1

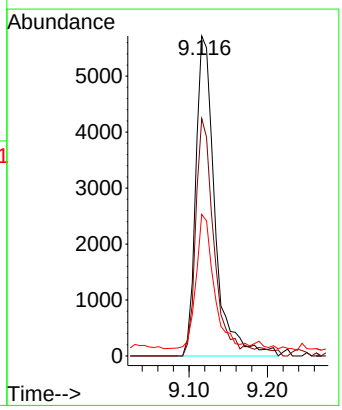


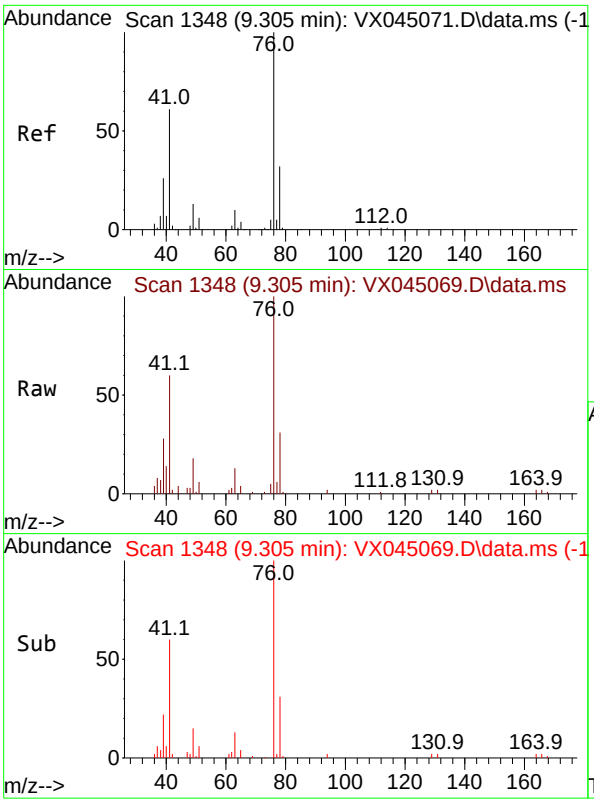


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 69 Resp: 9712

Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.0	85.4
39	39.2	34.2	51.4



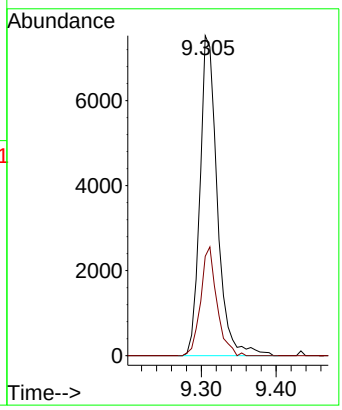


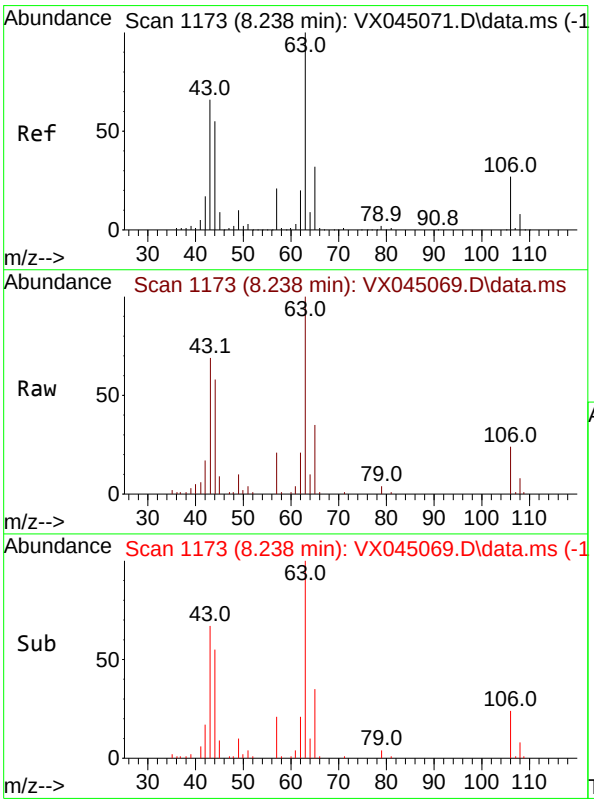
#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12106

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

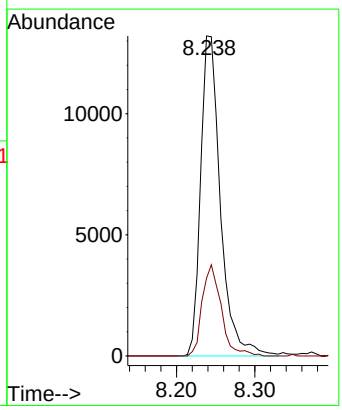


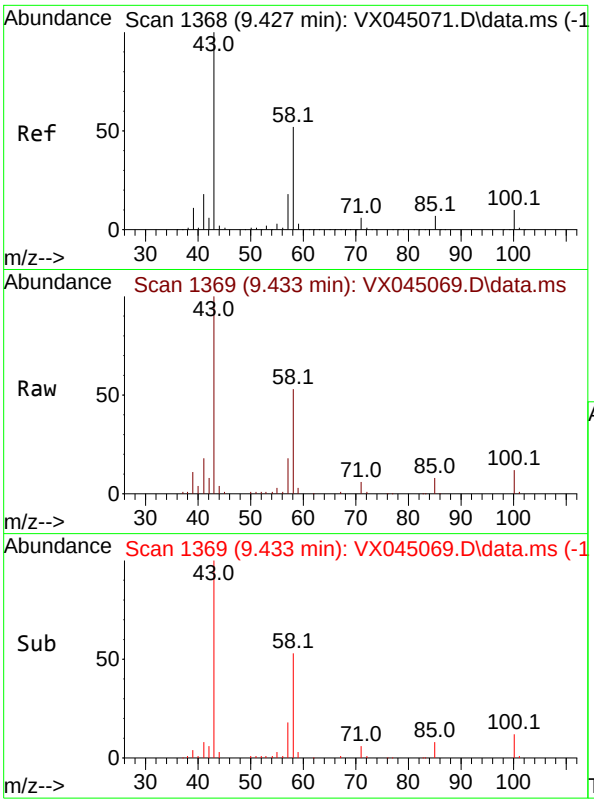


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 23212

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.5	32.3



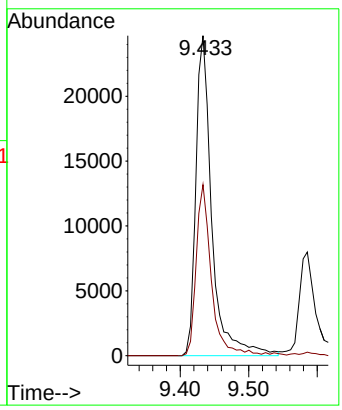


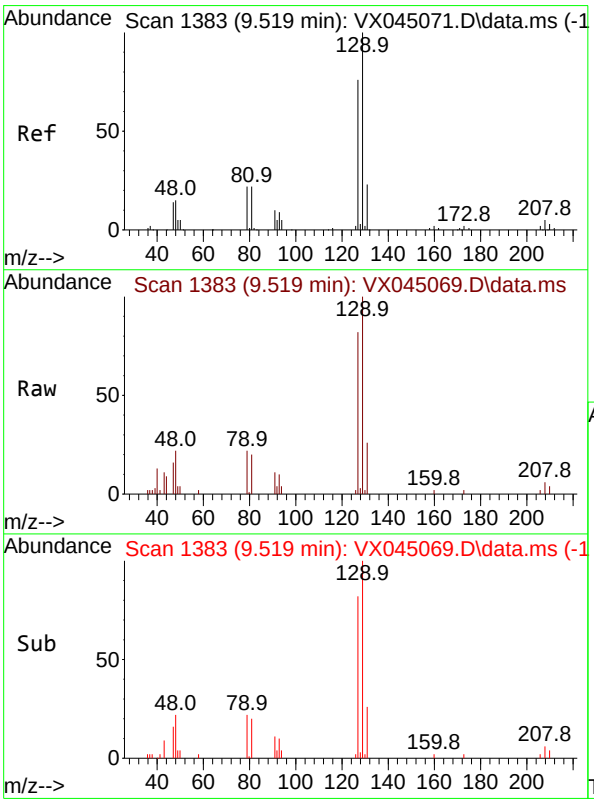
#59
2-Hexanone
Concen: 27.363 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 39994

Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

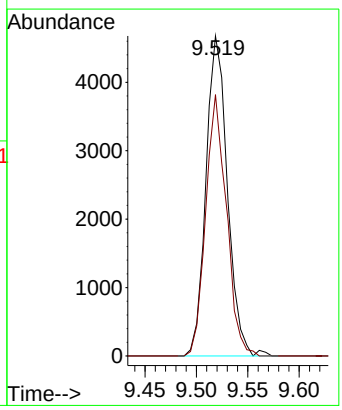


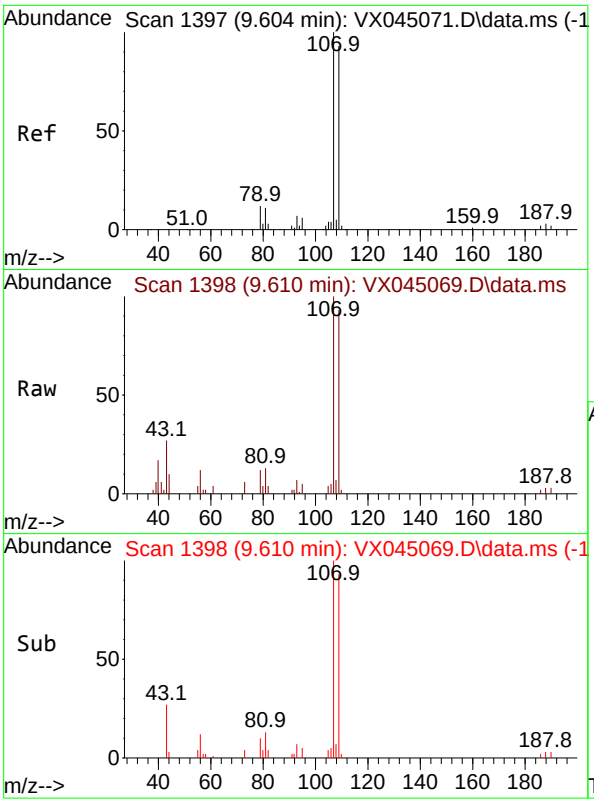


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5



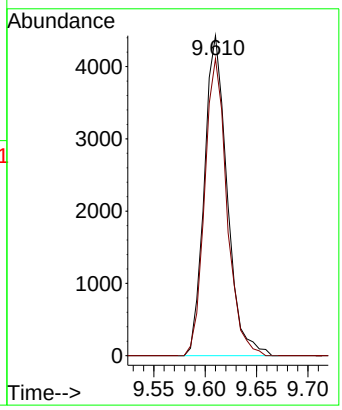


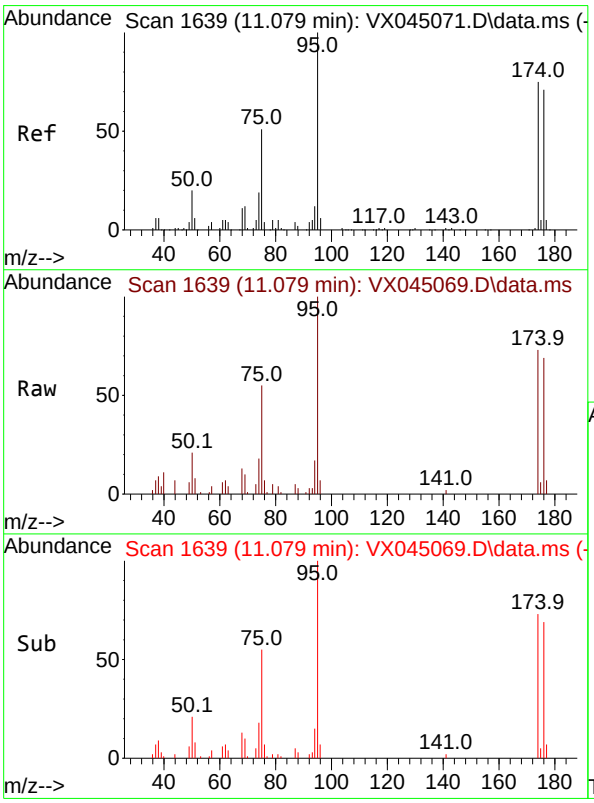
#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 6832

Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1

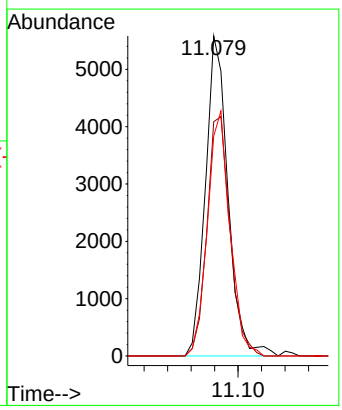


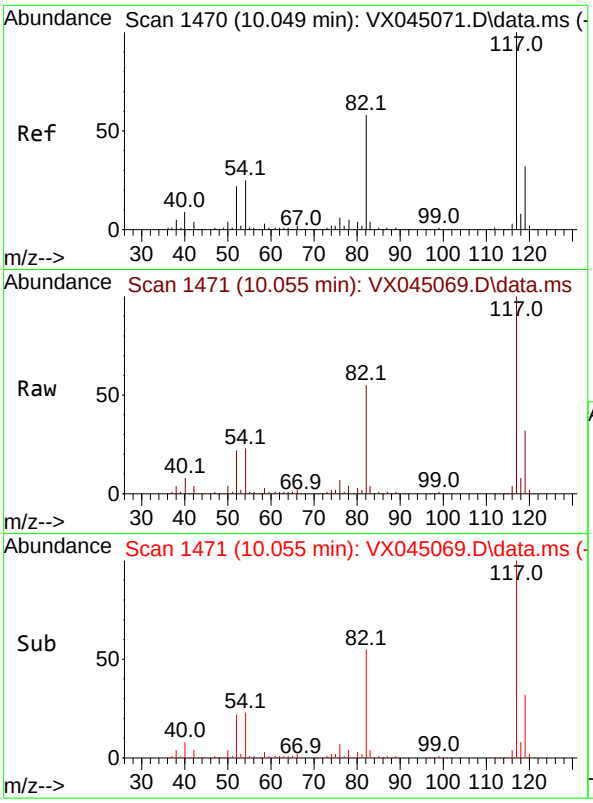


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 95 Resp: 7436

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	148.2
176	76.3	0.0	141.4



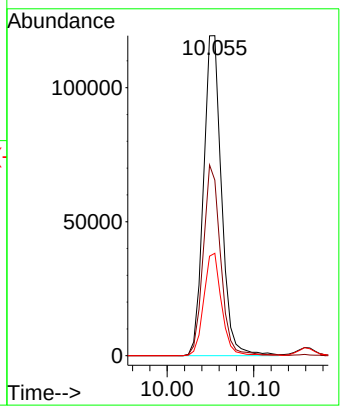


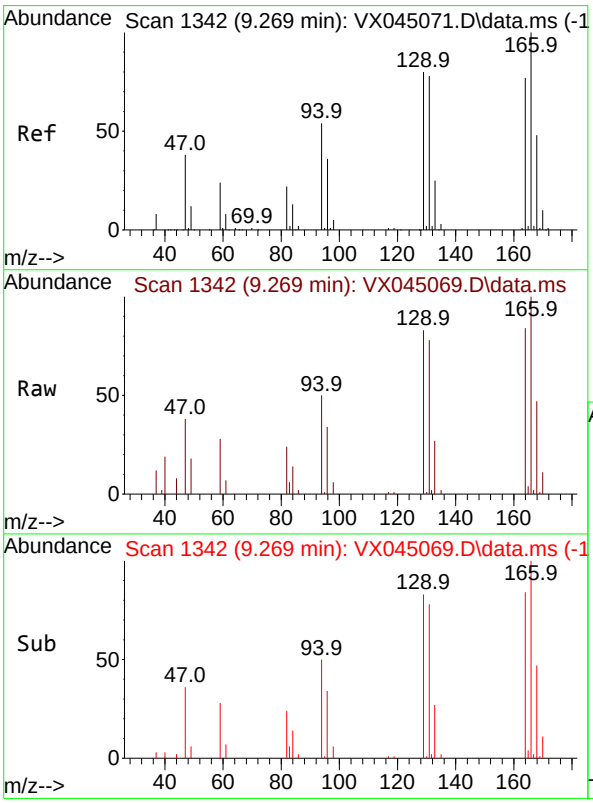
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 172367

Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.3	69.5
119	32.0	25.7	38.5

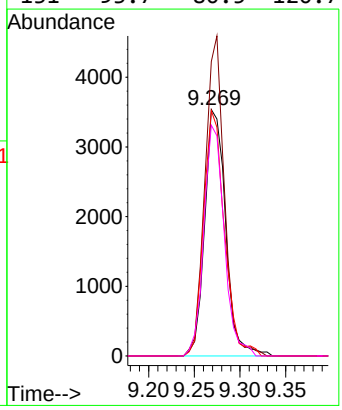


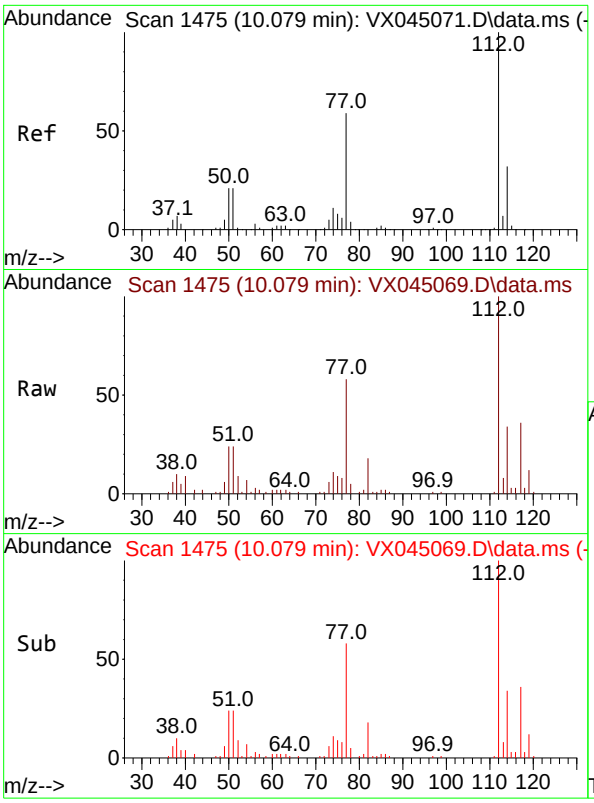


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:164 Resp: 5615

Ion	Ratio	Lower	Upper
164	100		
166	119.5	103.6	155.4
129	99.7	82.7	124.1
131	93.7	80.5	120.7



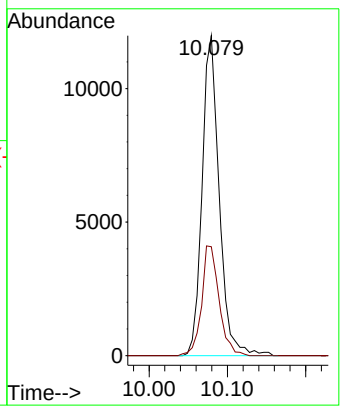


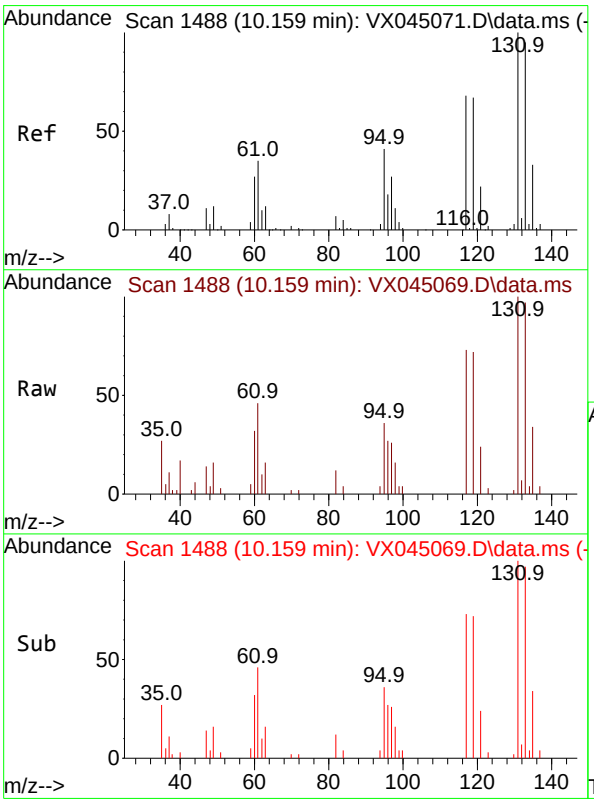
#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 18161

Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0

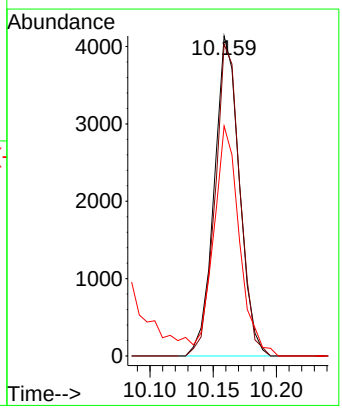


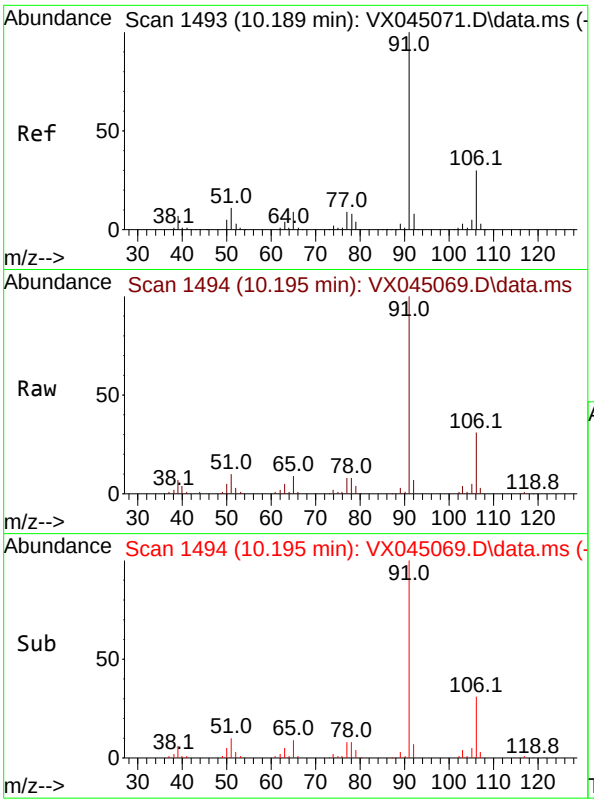


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:131 Resp: 5702

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.6	145.9
119	73.4	33.9	101.7



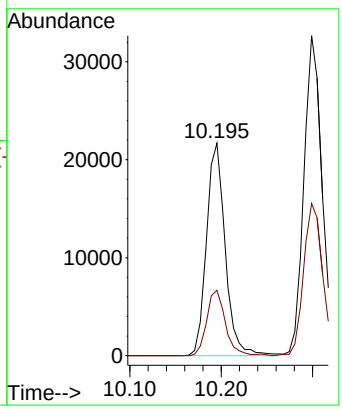


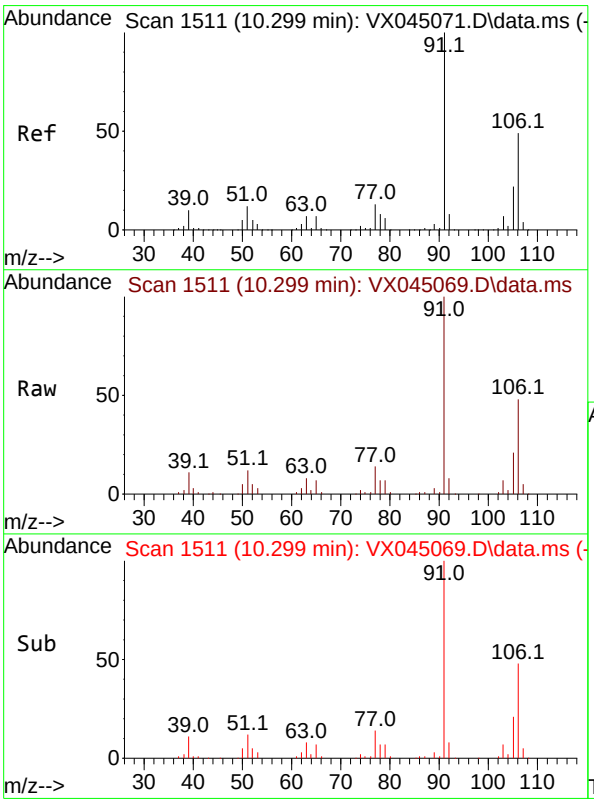
#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 30918

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

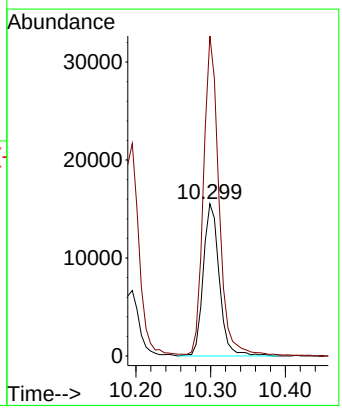


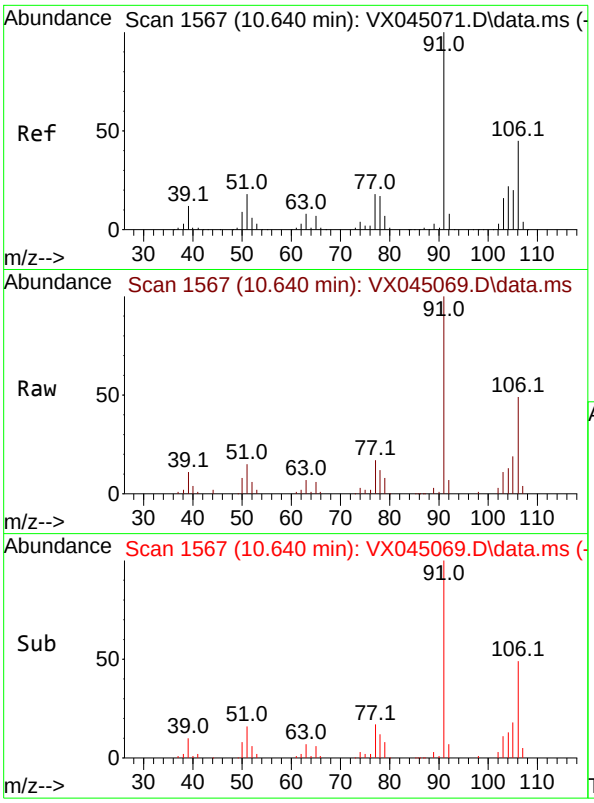


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0



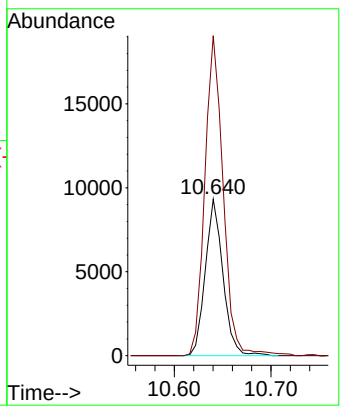


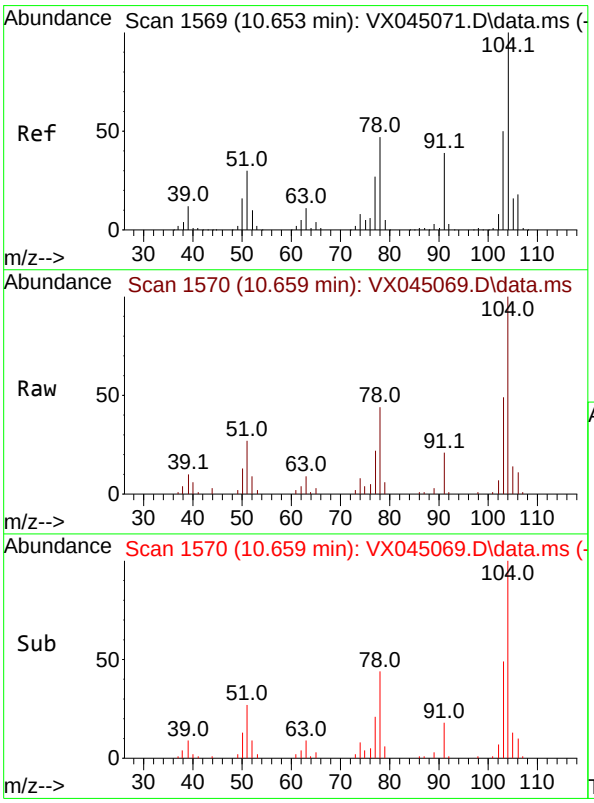
#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 11881

Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6

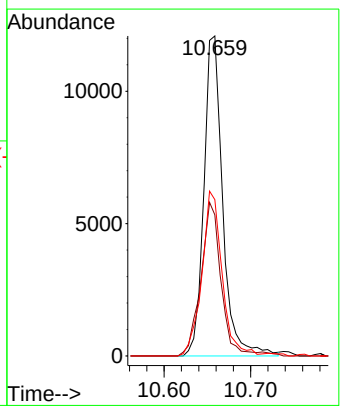


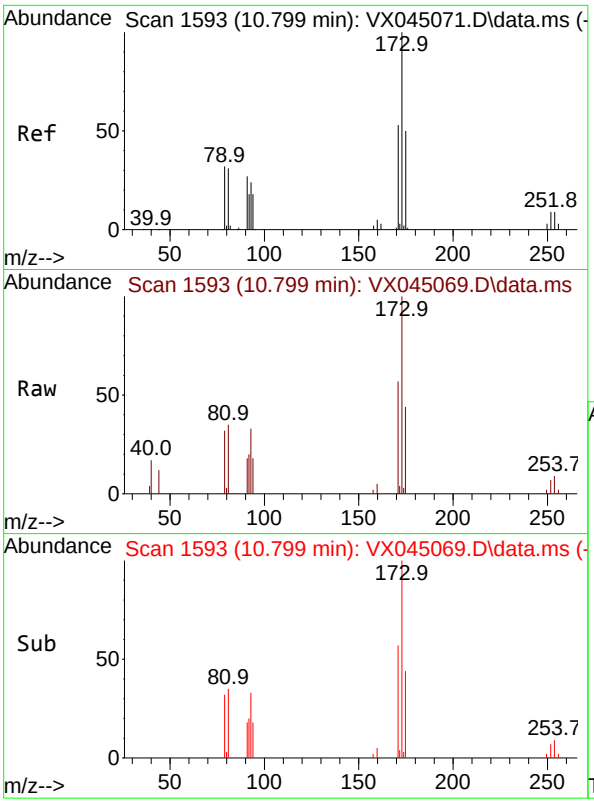


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:104 Resp: 18278

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.2	63.4
103	55.3	43.8	65.8



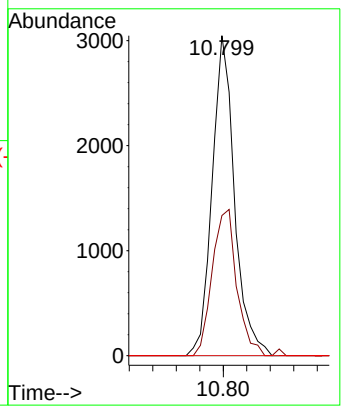


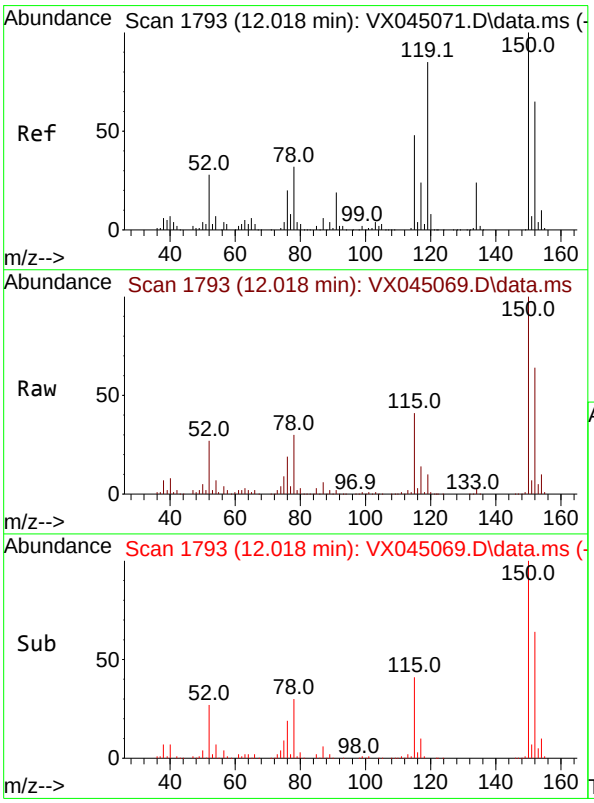
#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 4027

Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	73.6
254	0.0	0.0	0.0

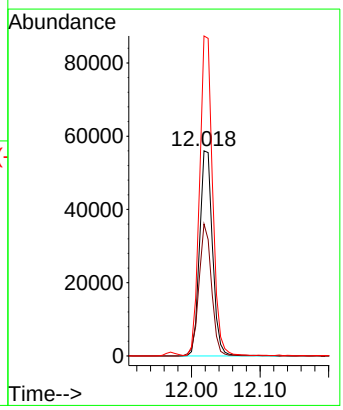


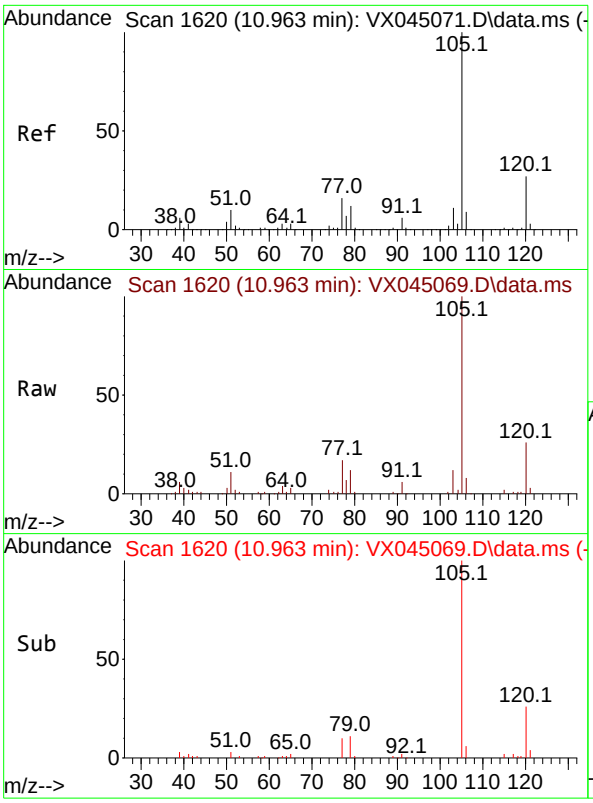


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:152 Resp: 73591

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	156.2	0.0	349.0



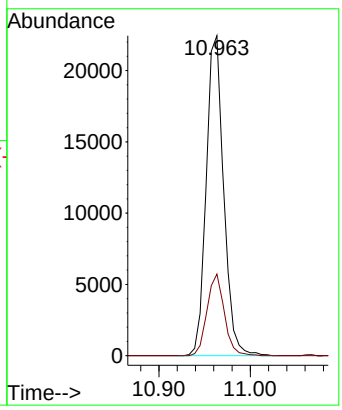


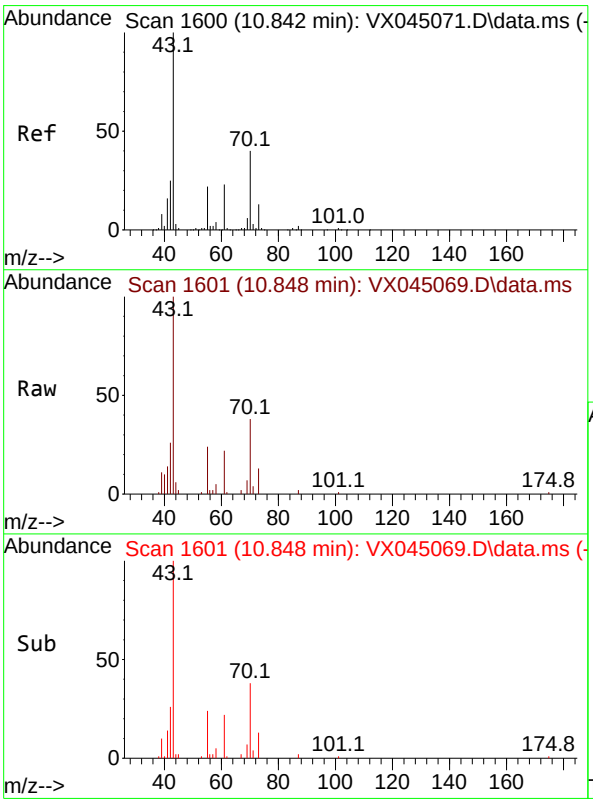
#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 29685

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5

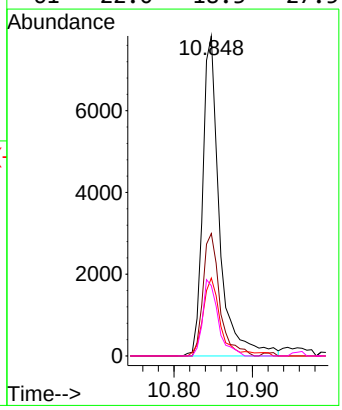


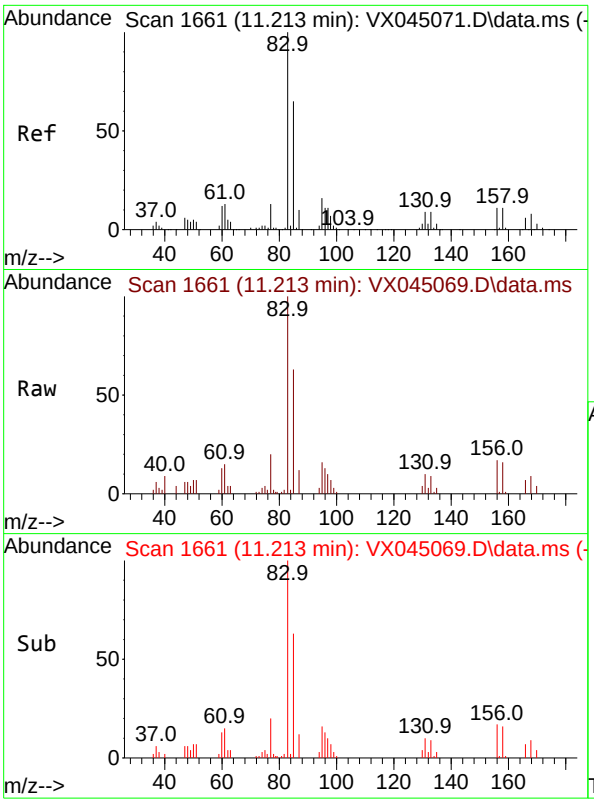


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 11609

Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.6
55	25.9	18.3	27.5
61	22.0	18.3	27.5



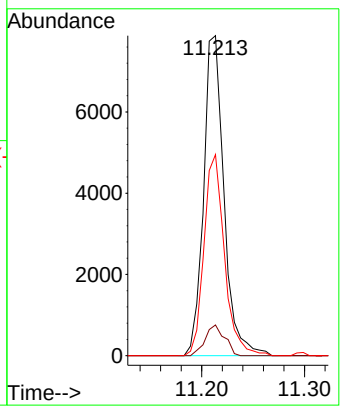


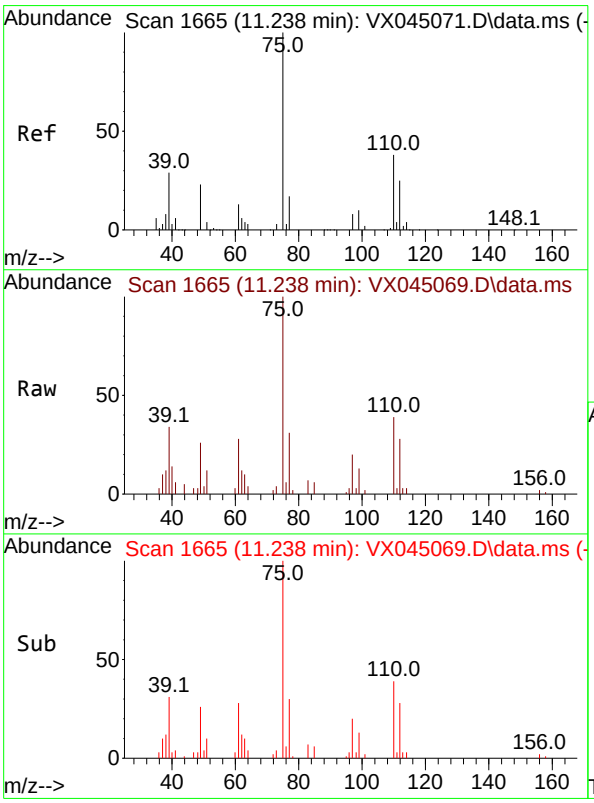
#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 10881

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	63.1	31.7	95.1

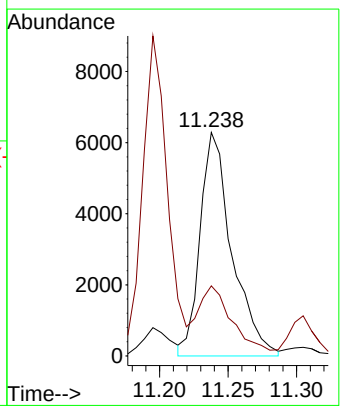


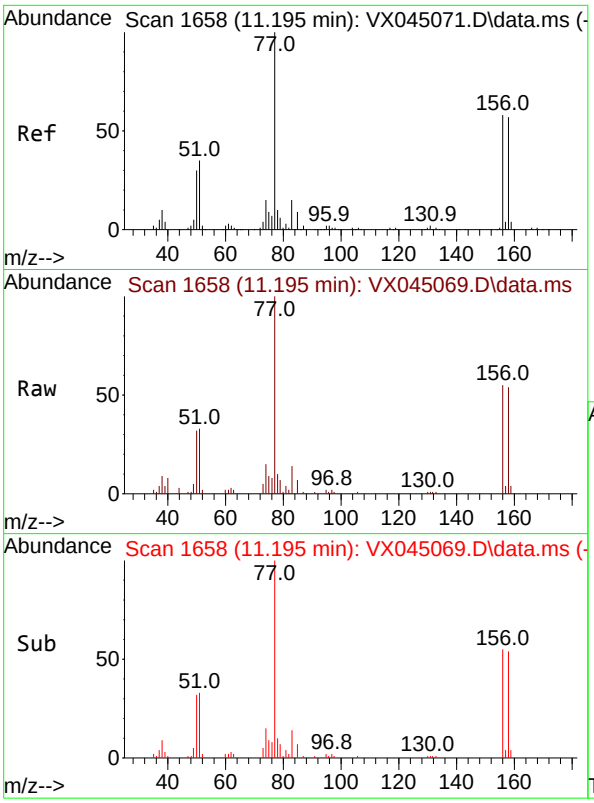


#76
1,2,3-Trichloropropane
Concen: 6.189 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 10159

Ion	Ratio	Lower	Upper
75	100		
77	34.6	20.7	62.1



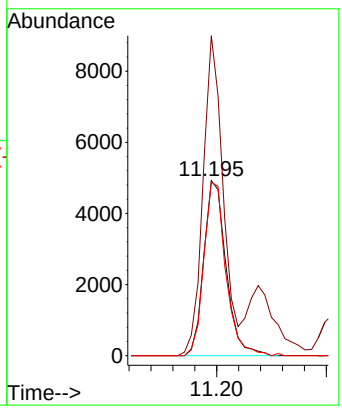


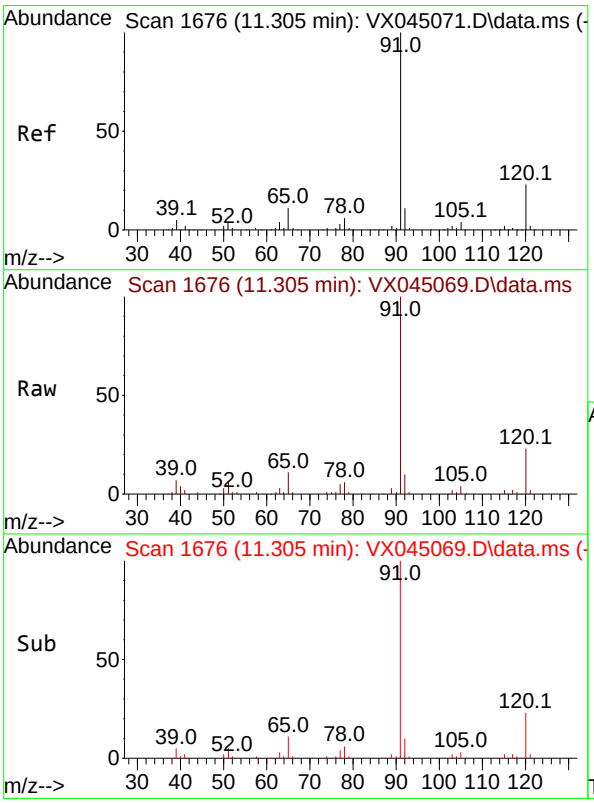
#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 6970

Ion	Ratio	Lower	Upper
156	100		
77	163.3	85.8	257.4
158	97.8	48.4	145.2

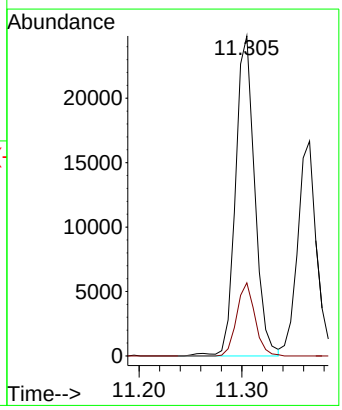


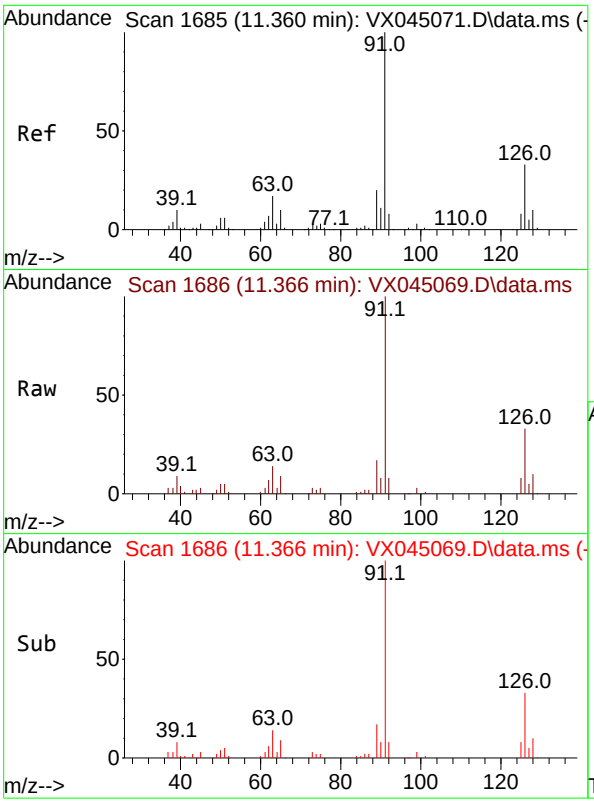


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6



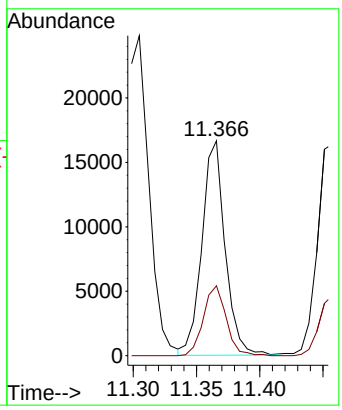


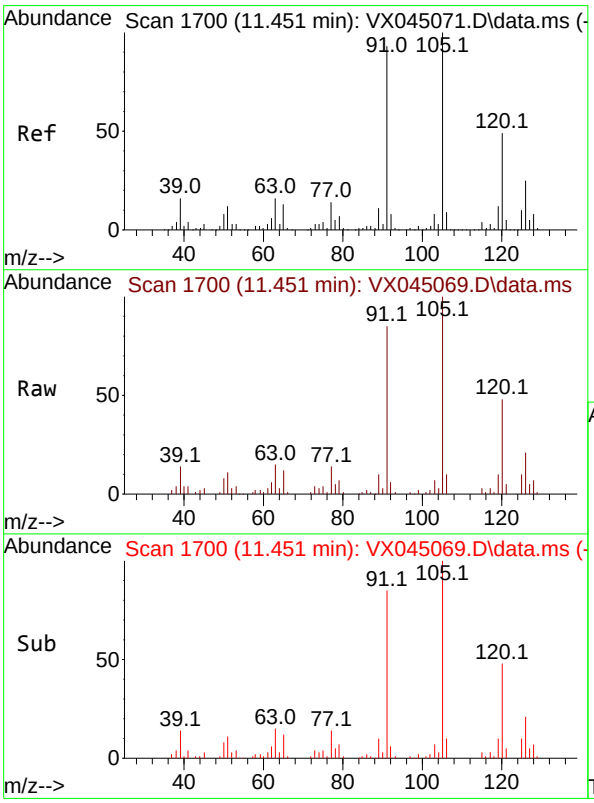
#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 21253

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4

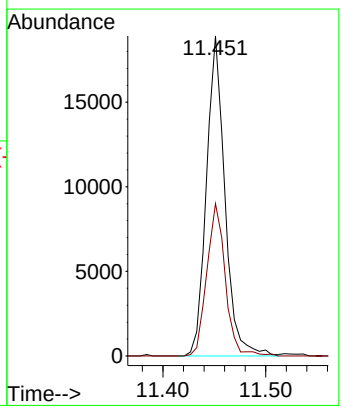


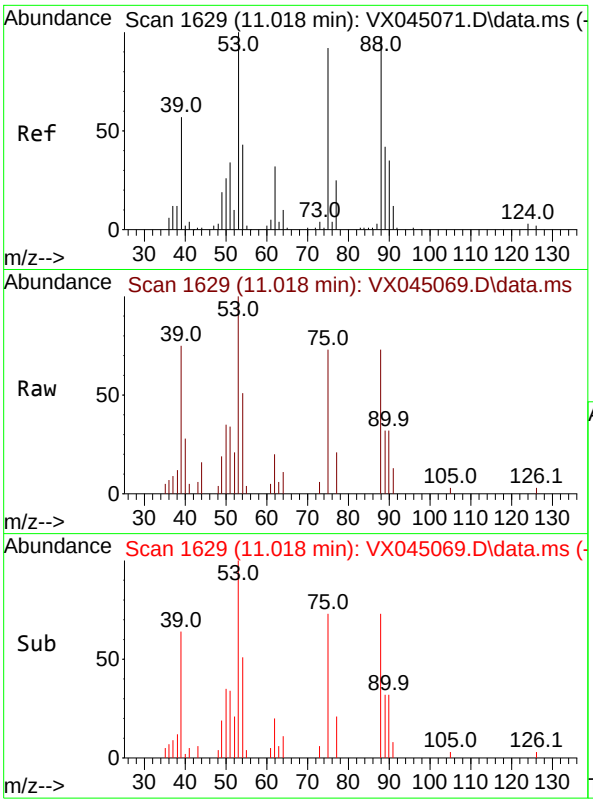


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23627

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2



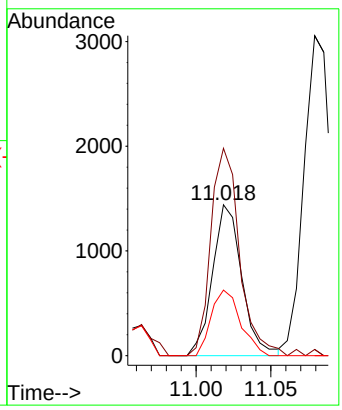


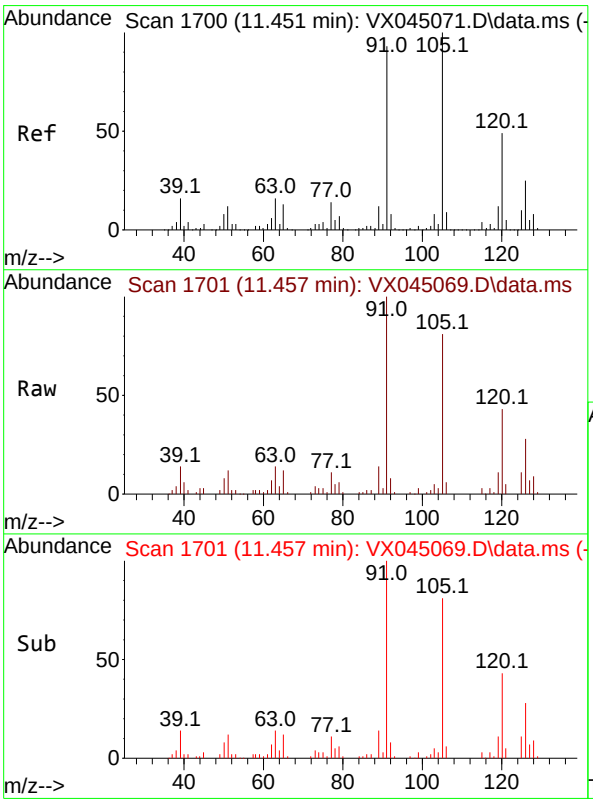
#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 1971

Ion	Ratio	Lower	Upper
75	100		
53	134.1	88.5	132.7#
89	43.4	36.2	54.4

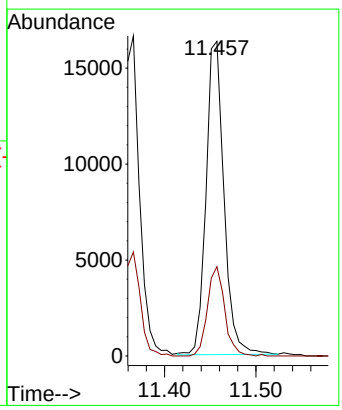


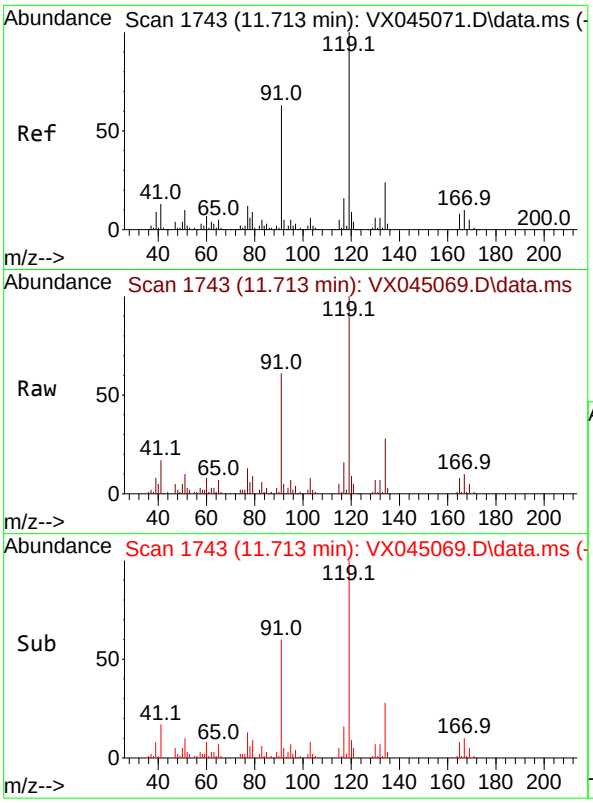


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4



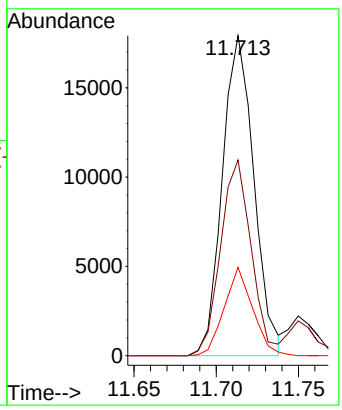


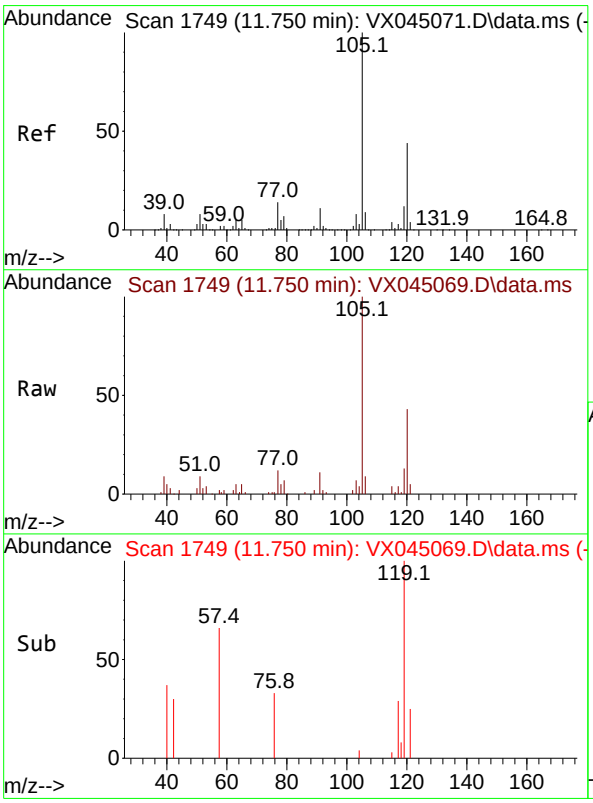
#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 23960

Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.7	92.1
134	24.9	11.7	35.0

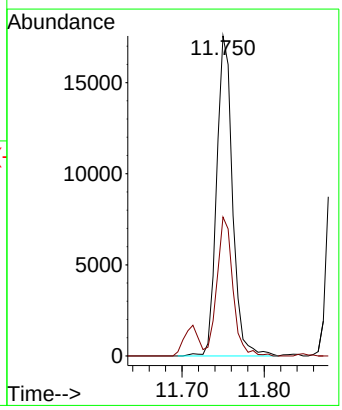


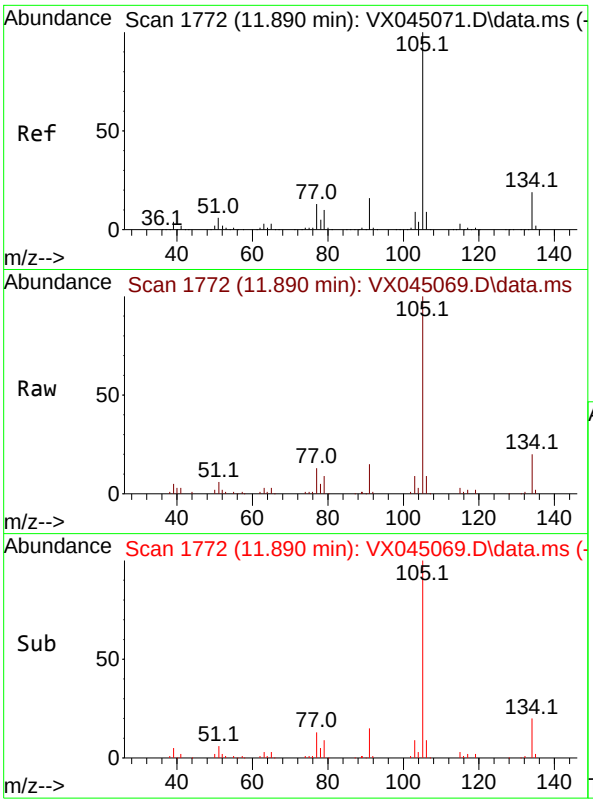


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23561

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



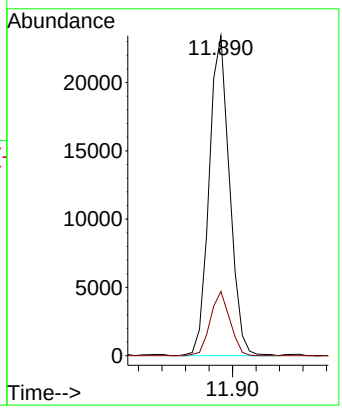


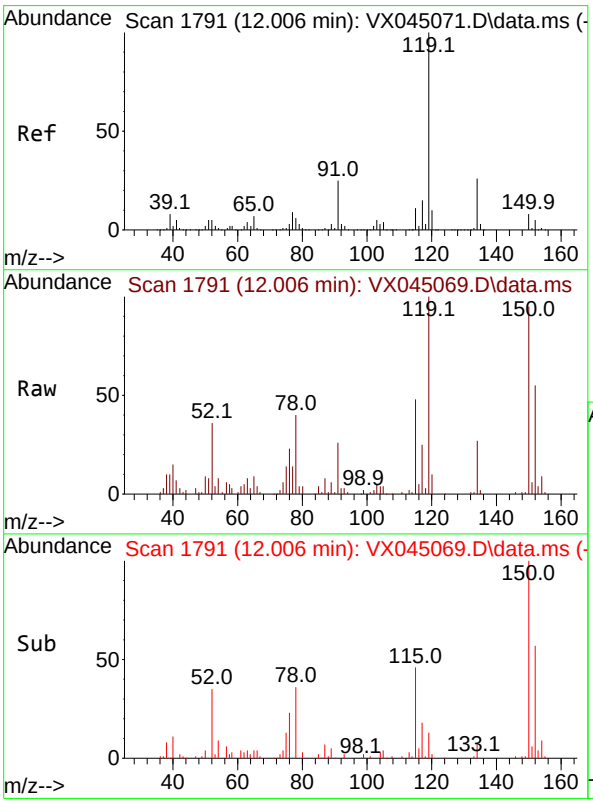
#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 28314

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

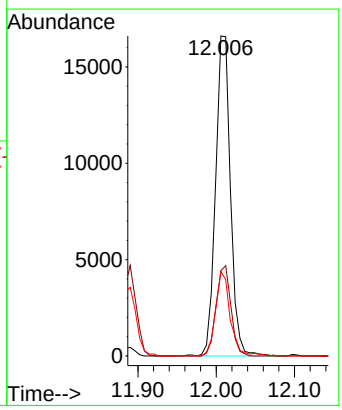


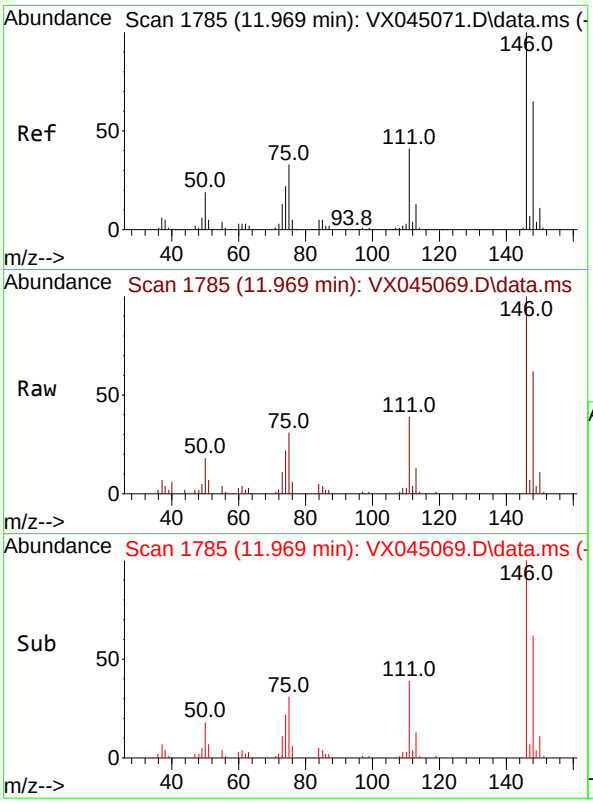


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 21977

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.9	38.6
91	26.1	12.7	38.0



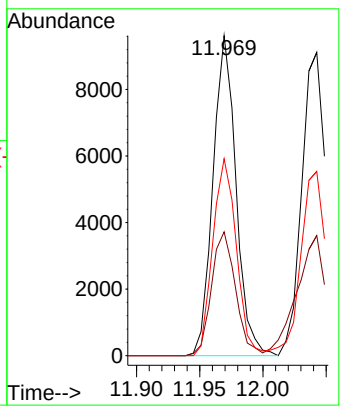


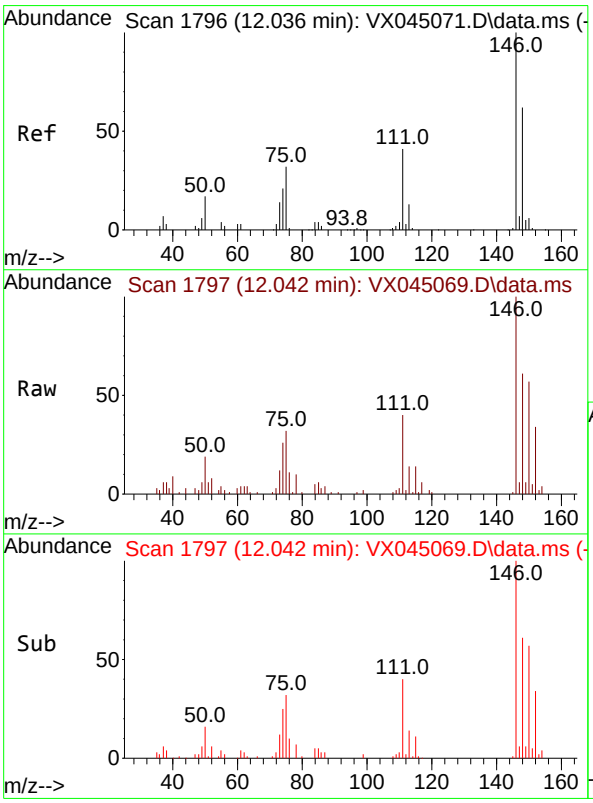
#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 12157

Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.4
148	62.9	31.9	95.7

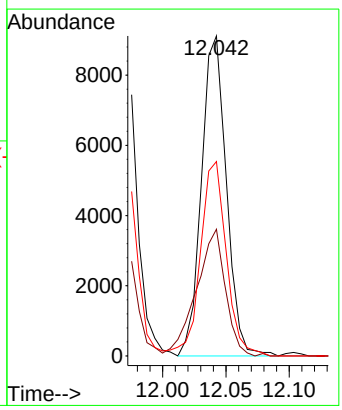


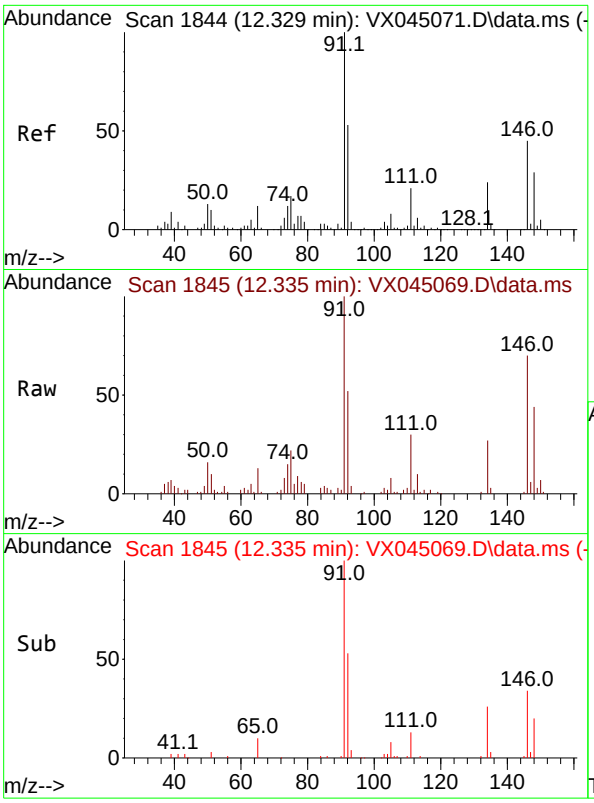


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 12526

Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.2	60.5
148	63.5	31.9	95.9



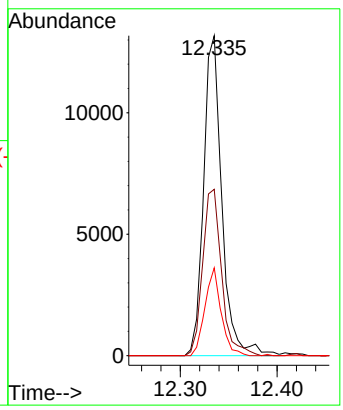


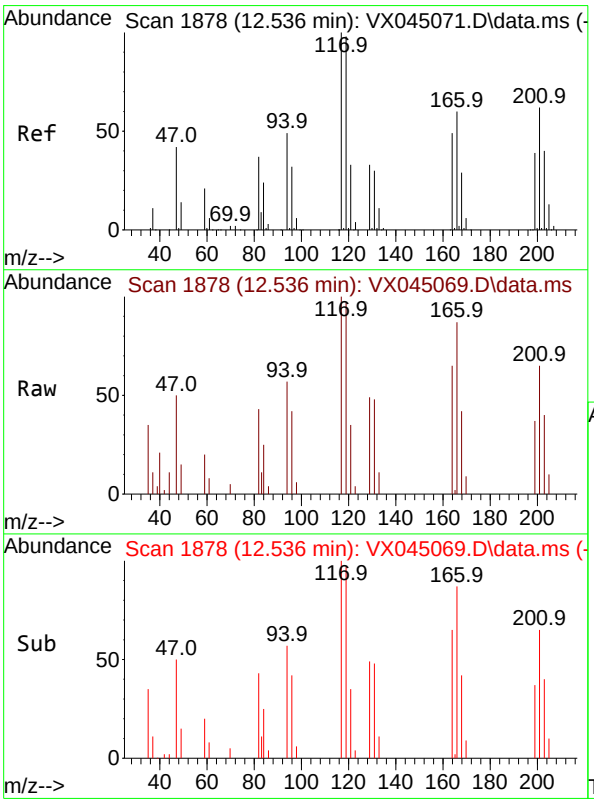
#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 17358

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	24.4	12.2	36.6

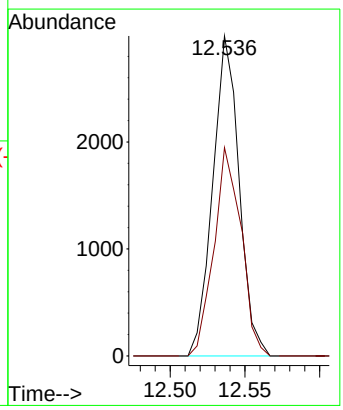


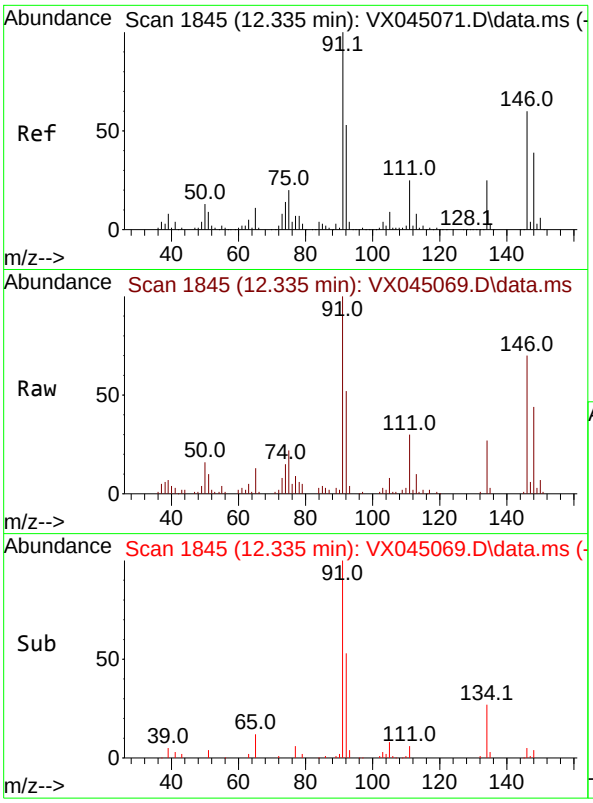


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9



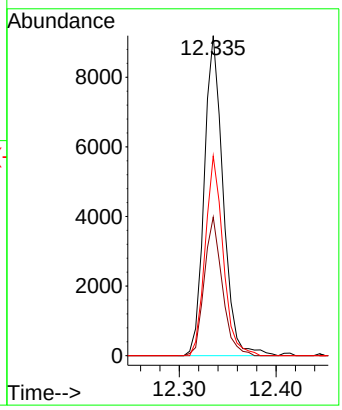


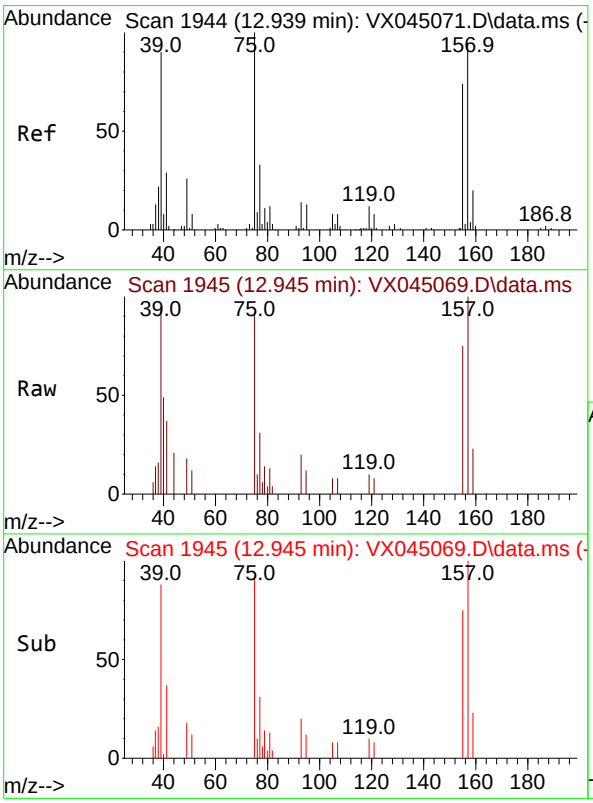
#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 12477

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	59.4	31.9	95.9

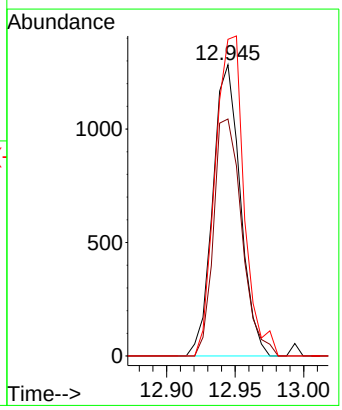


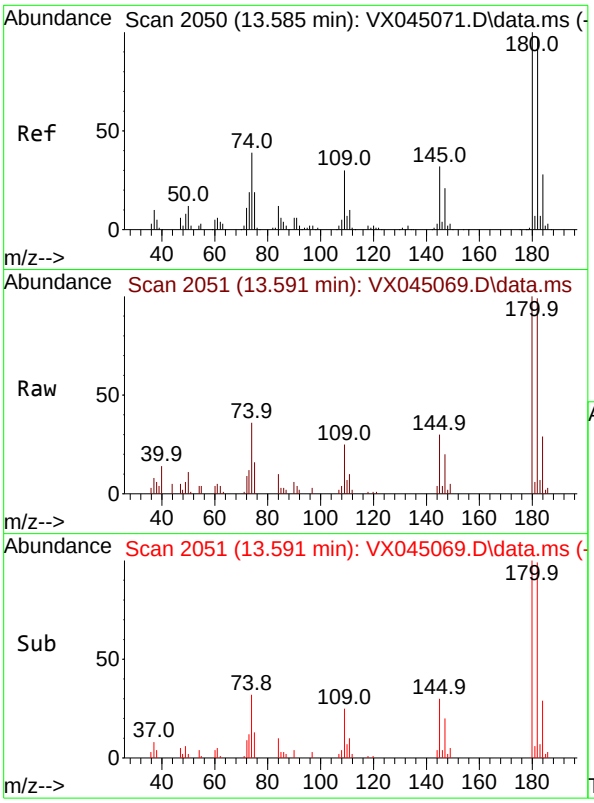


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 1787

Ion	Ratio	Lower	Upper
75	100		
155	83.8	39.6	118.7
157	115.4	51.1	153.4



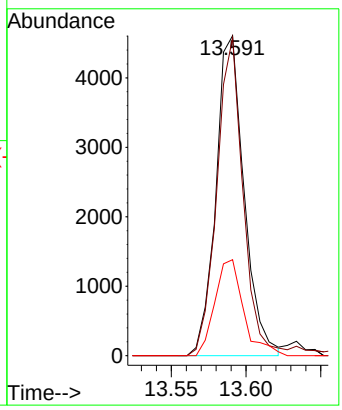


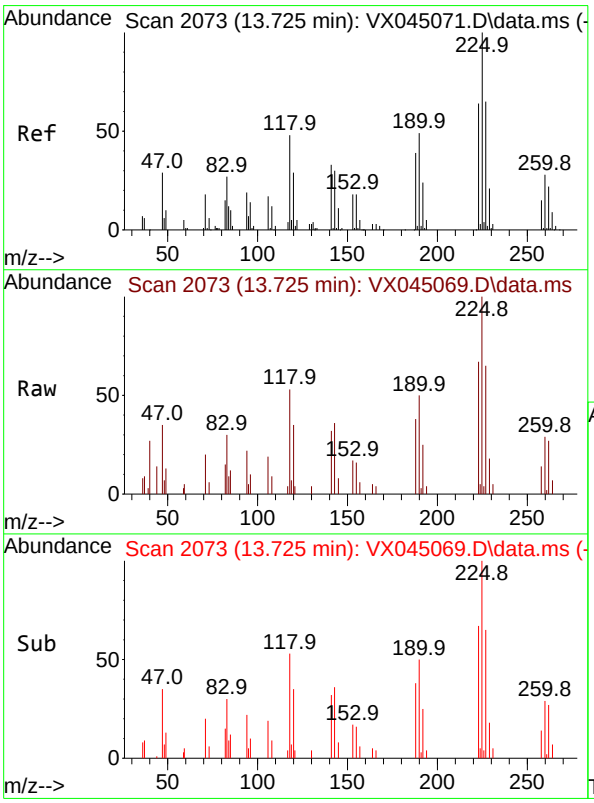
#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 6040

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	30.6	16.3	48.9

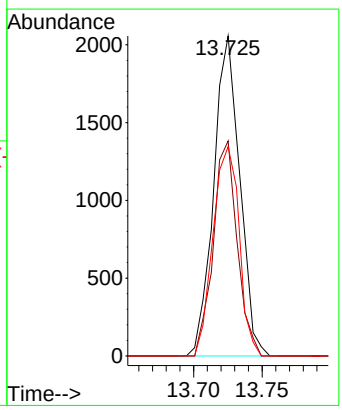


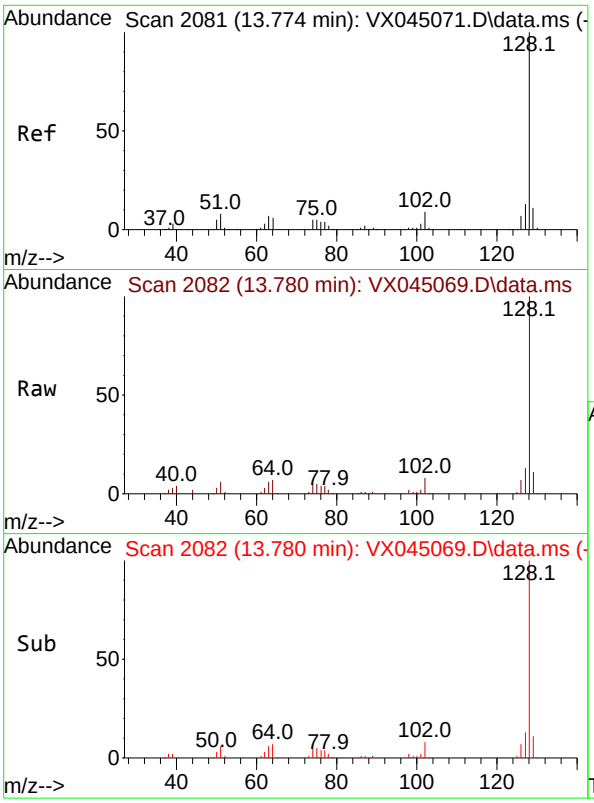


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:225 Resp: 2716

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	65.5	31.4	94.0



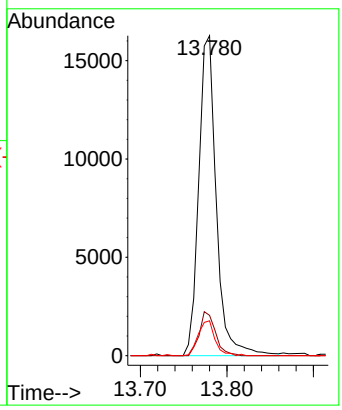


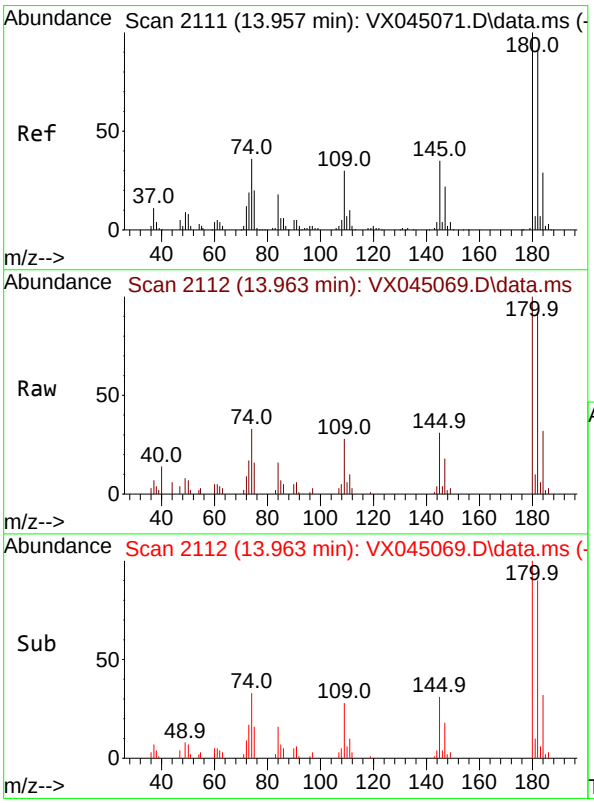
#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 22927

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1

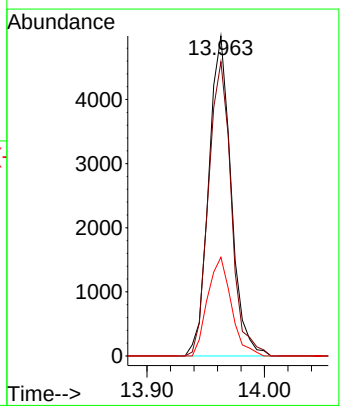




#96
1,2,3-Trichlorobenzene
Concen: 4.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 6600

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.6
145	32.6	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	97338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	30514	21.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 42.440%#			
35) Dibromofluoromethane	5.385	113	23739	20.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 40.940%#			
50) Toluene-d8	8.646	98	84516	19.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 38.940%#			
62) 4-Bromofluorobenzene	11.079	95	27856	19.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 38.420%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25155	18.750	ug/l	95
3) Chloromethane	1.306	50	32219	19.736	ug/l	99
4) Vinyl Chloride	1.373	62	30134	18.899	ug/l	97
5) Bromomethane	1.593	94	11584	23.239	ug/l	99
6) Chloroethane	1.660	64	14237	23.457	ug/l	99
7) Trichlorofluoromethane	1.867	101	40880	20.015	ug/l	99
8) Diethyl Ether	2.135	74	15911	21.437	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	23154	18.984	ug/l	98
10) Methyl Iodide	2.440	142	29500	18.867	ug/l	100
11) Tert butyl alcohol	2.983	59	31246	118.627	ug/l	98
12) 1,1-Dichloroethene	2.306	96	23810	19.014	ug/l	97
13) Acrolein	2.239	56	33586	117.747	ug/l	99
14) Allyl chloride	2.654	41	42993	19.096	ug/l	100
15) Acrylonitrile	3.068	53	84182	117.598	ug/l	100
16) Acetone	2.385	43	74701	126.257	ug/l	99
17) Carbon Disulfide	2.501	76	61802	18.139	ug/l	99
18) Methyl Acetate	2.709	43	35157	19.729	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82833	20.689	ug/l	96
20) Methylene Chloride	2.782	84	29281	20.895	ug/l	94
21) trans-1,2-Dichloroethene	3.080	96	23471	19.057	ug/l	97
22) Diisopropyl ether	3.763	45	90378	20.995	ug/l	93
23) Vinyl Acetate	3.721	43	381808	108.038	ug/l	99
24) 1,1-Dichloroethane	3.605	63	49826	20.716	ug/l	99
25) 2-Butanone	4.562	43	118713	124.449	ug/l	97
26) 2,2-Dichloropropane	4.470	77	22886	12.799	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	29788	20.065	ug/l	99
28) Bromochloromethane	4.891	49	23869	20.579	ug/l	99
29) Tetrahydrofuran	5.007	42	77433	122.519	ug/l	99
30) Chloroform	5.086	83	49751	21.147	ug/l	97
31) Cyclohexane	5.464	56	42340	19.181	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39276	19.831	ug/l	99
36) 1,1-Dichloropropene	5.684	75	31519	18.903	ug/l	99
37) Ethyl Acetate	4.714	43	43097	22.714	ug/l	99
38) Carbon Tetrachloride	5.671	117	31694	19.334	ug/l	97
39) Methylcyclohexane	7.372	83	39769	18.676	ug/l	97
40) Benzene	6.031	78	105787	20.298	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	23924	23.605	ug/l		97
42) 1,2-Dichloroethane	6.086	62	38653	22.886	ug/l		99
43) Isopropyl Acetate	6.348	43	66727	22.094	ug/l		99
44) Trichloroethene	7.122	130	24052	20.191	ug/l		98
45) 1,2-Dichloropropane	7.427	63	27128	20.945	ug/l		99
46) Dibromomethane	7.580	93	19323	21.357	ug/l		97
47) Bromodichloromethane	7.817	83	38038	21.732	ug/l		97
48) Methyl methacrylate	7.695	41	32627	22.757	ug/l		98
49) 1,4-Dioxane	7.665	88	14602	479.170	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	229615	124.081	ug/l		98
52) Toluene	8.714	92	63326	20.463	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	30917	17.871	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	36118	18.675	ug/l		97
55) 1,1,2-Trichloroethane	9.152	97	26358	21.992	ug/l		99
56) Ethyl methacrylate	9.116	69	39850	20.791	ug/l		97
57) 1,3-Dichloropropane	9.305	76	45644	21.836	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	96311	102.342	ug/l		99
59) 2-Hexanone	9.433	43	168768	126.428	ug/l		100
60) Dibromochloromethane	9.518	129	27705	21.668	ug/l		99
61) 1,2-Dibromoethane	9.610	107	26311	21.764	ug/l		98
64) Tetrachloroethene	9.268	164	20140	20.102	ug/l		97
65) Chlorobenzene	10.079	112	68777	20.316	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22508	20.627	ug/l		97
67) Ethyl Benzene	10.189	91	119165	19.905	ug/l		100
68) m/p-Xylenes	10.299	106	89735	40.699	ug/l		98
69) o-Xylene	10.640	106	44281	20.018	ug/l		98
70) Styrene	10.652	104	73832	20.767	ug/l		98
71) Bromoform	10.799	173	17403	21.449	ug/l	#	99
73) Isopropylbenzene	10.963	105	112099	19.794	ug/l		99
74) N-amyl acetate	10.841	43	52972	20.606	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42413	21.738	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	41754	26.713	ug/l		86
77) Bromobenzene	11.195	156	26310	20.466	ug/l		99
78) n-propylbenzene	11.305	91	128284	19.641	ug/l		100
79) 2-Chlorotoluene	11.359	91	79275	19.775	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	94545	20.581	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8759	15.196	ug/l		96
82) 4-Chlorotoluene	11.451	91	86281	19.443	ug/l		98
83) tert-Butylbenzene	11.713	119	93670	20.159	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	94734	20.943	ug/l		100
85) sec-Butylbenzene	11.890	105	115953	20.160	ug/l		100
86) p-Isopropyltoluene	12.006	119	91554	19.827	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	47934	20.400	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	46657	19.615	ug/l		99
89) n-Butylbenzene	12.329	91	78135	19.249	ug/l		100
90) Hexachloroethane	12.536	117	15919	18.483	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	48632	21.031	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7987	22.119	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	27424	19.617	ug/l		99
94) Hexachlorobutadiene	13.725	225	10934	19.616	ug/l		99
95) Naphthalene	13.774	128	108350	21.279	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	28937	20.432	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

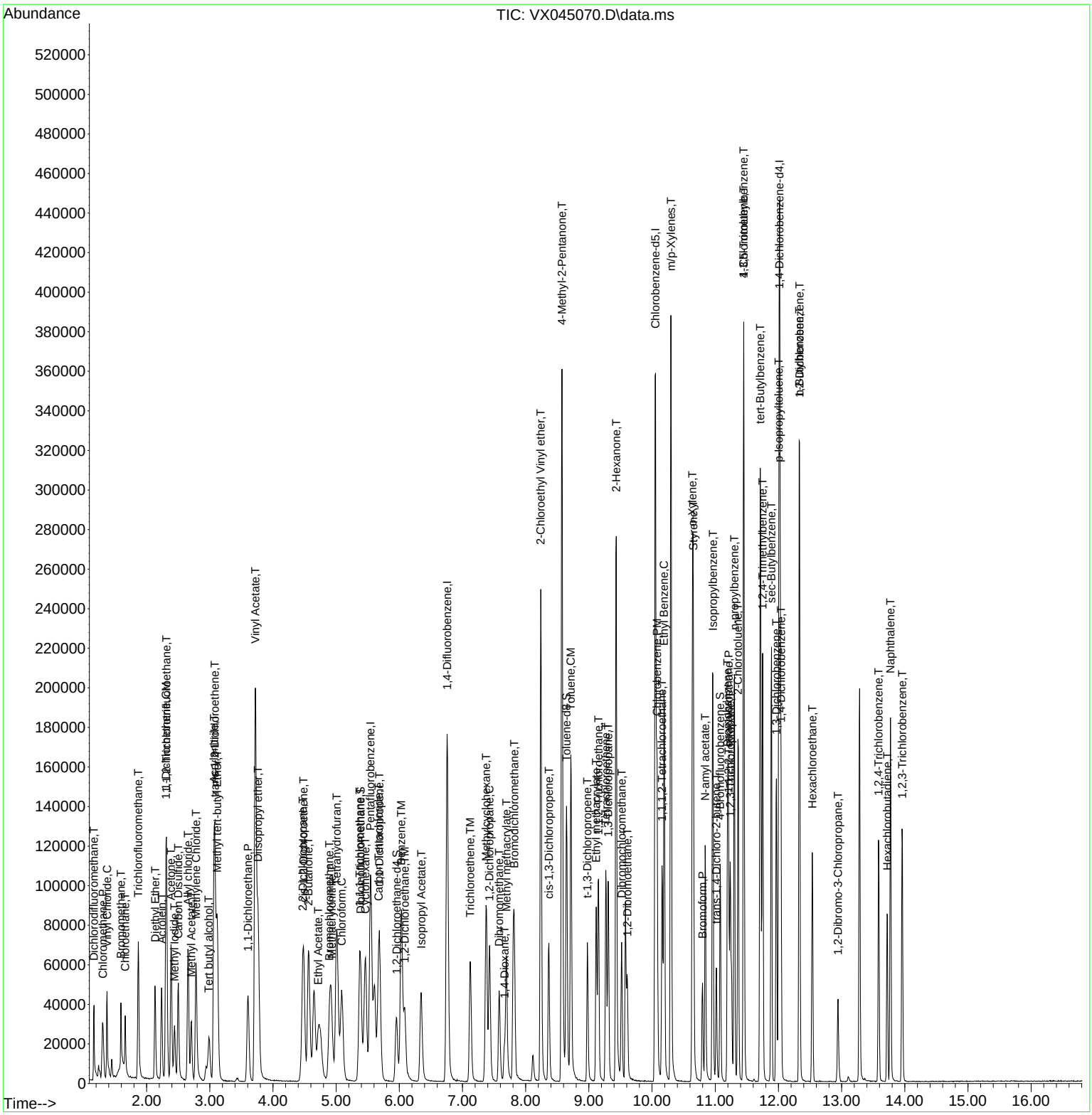
(#) = qualifier out of range (m) = manual integration (+) = signals summed

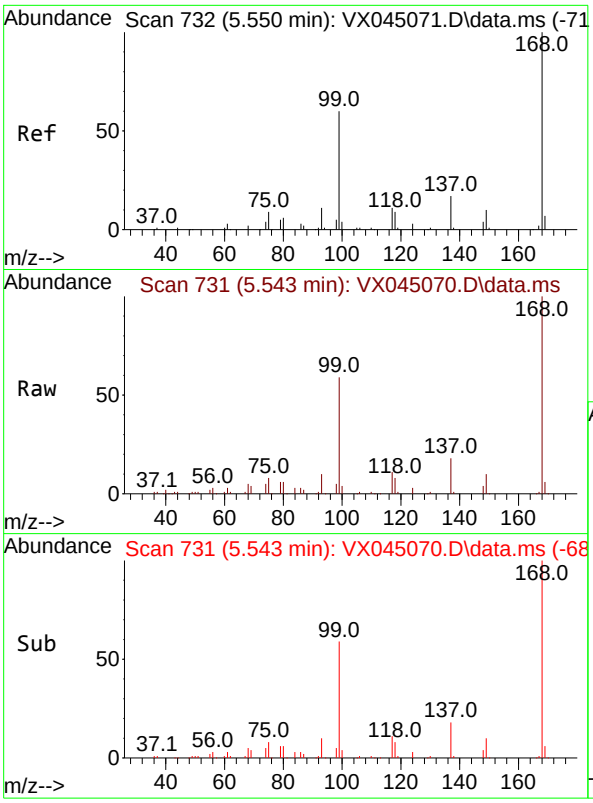
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



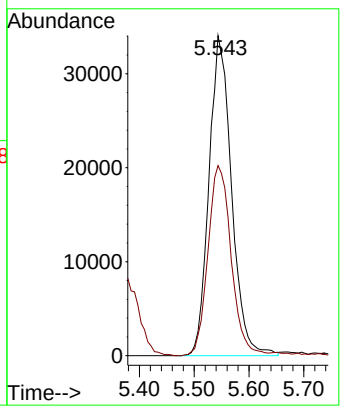


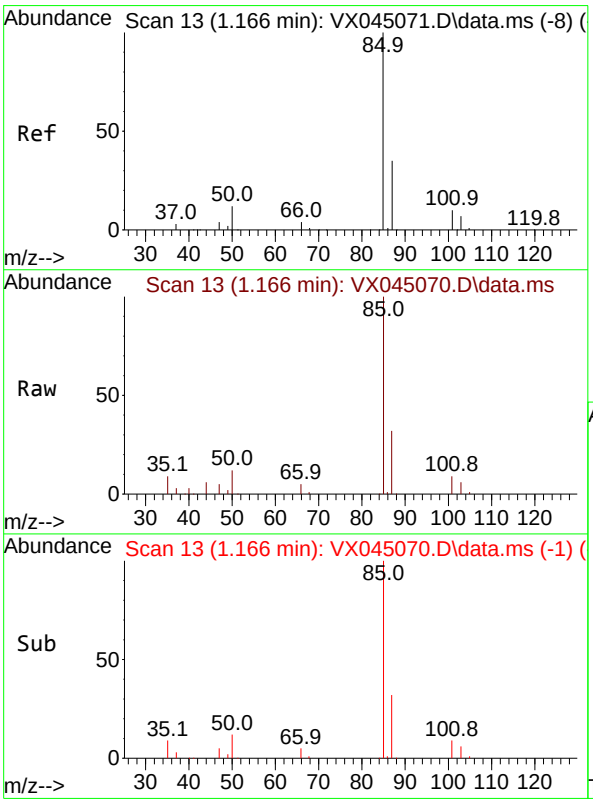
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 97338

Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4

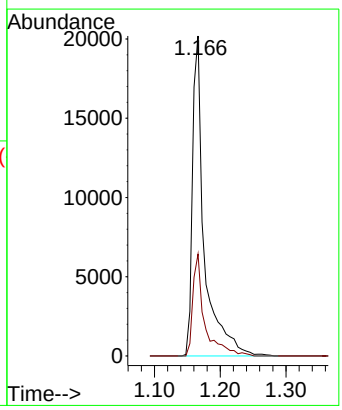


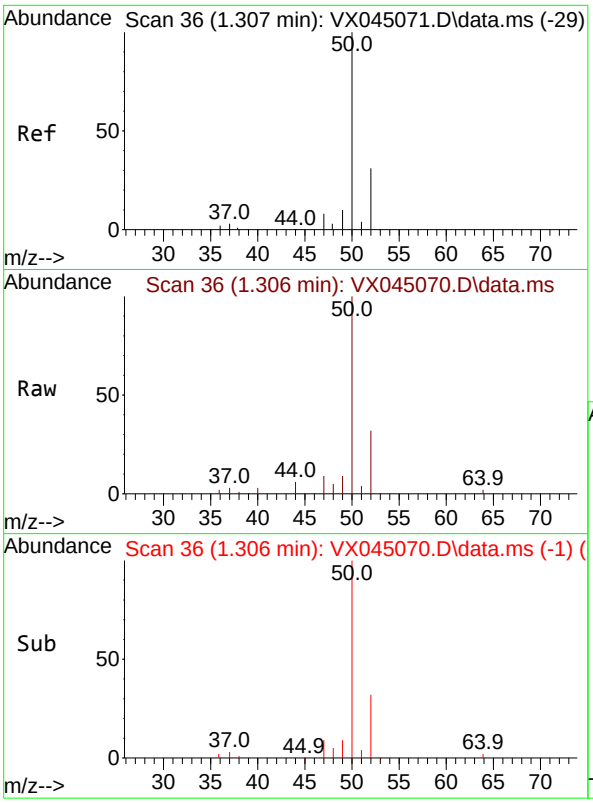


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3



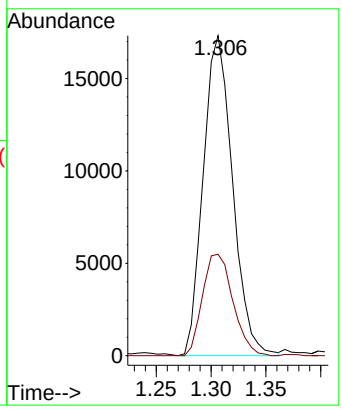


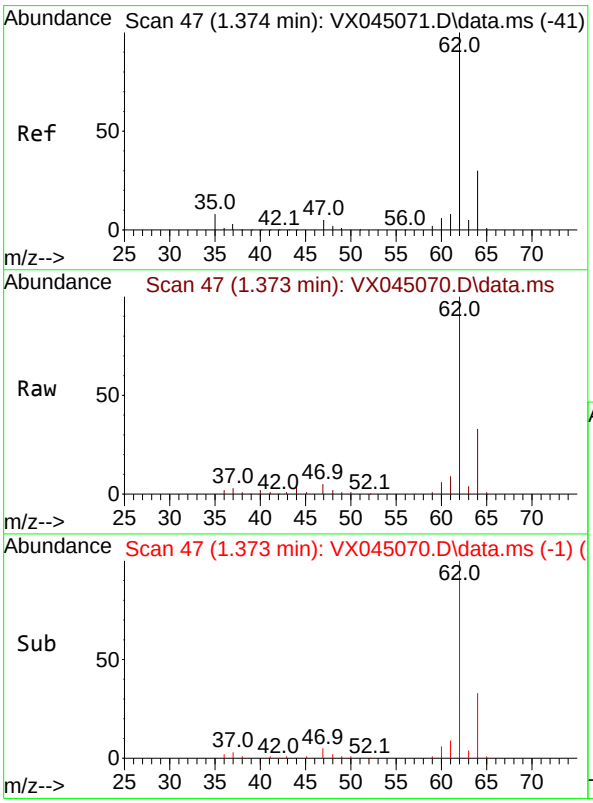
#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 32219

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4

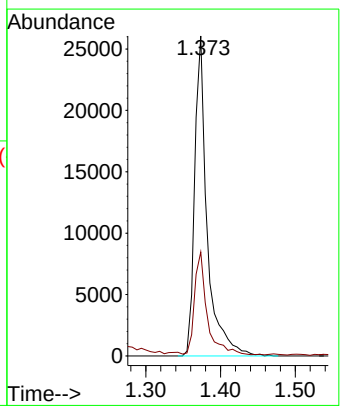


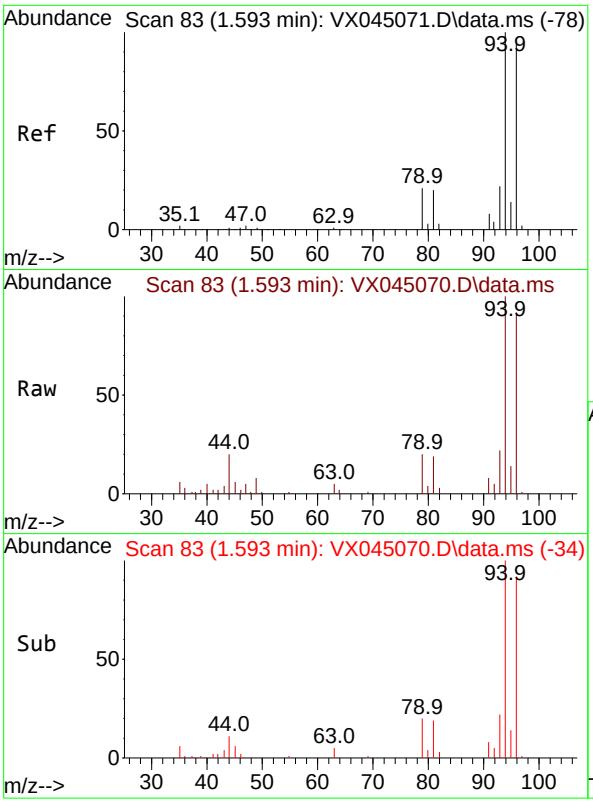


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5



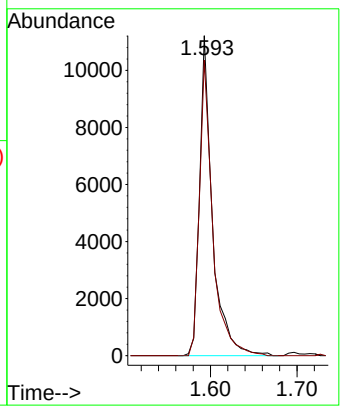


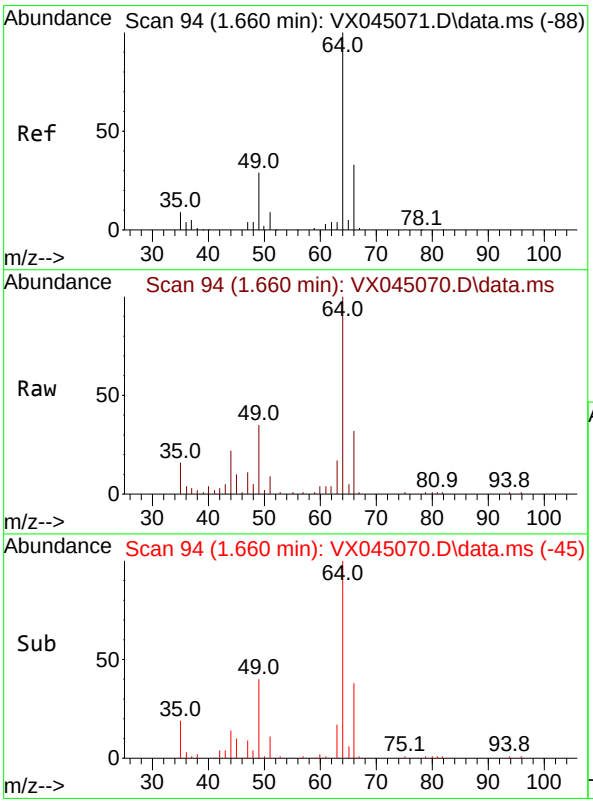
#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 11584

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4

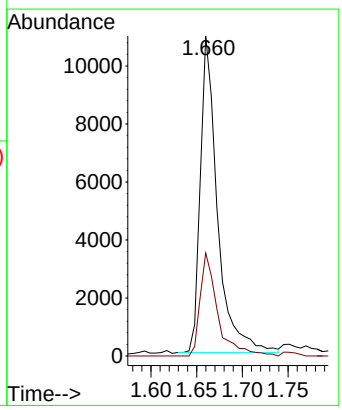


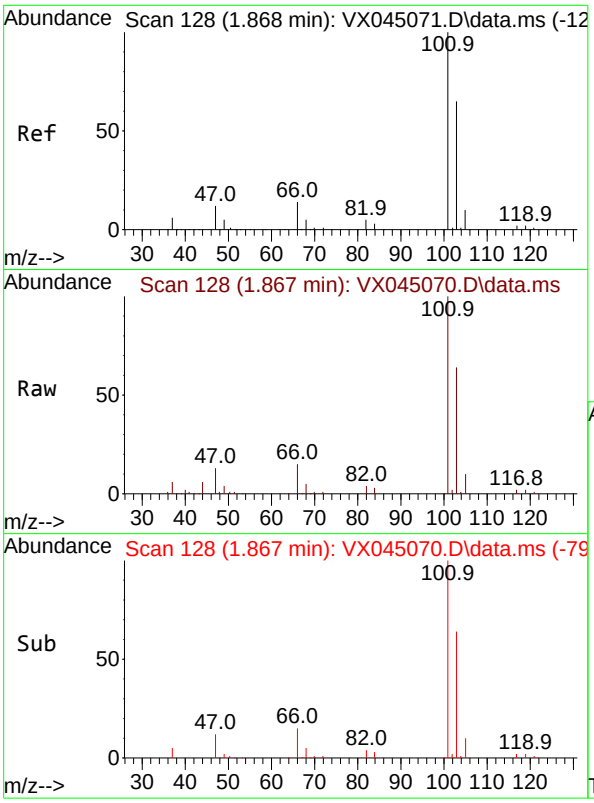


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 64 Resp: 14237

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1



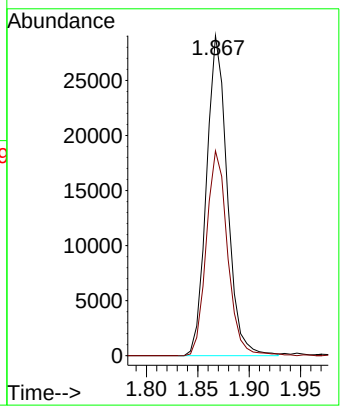


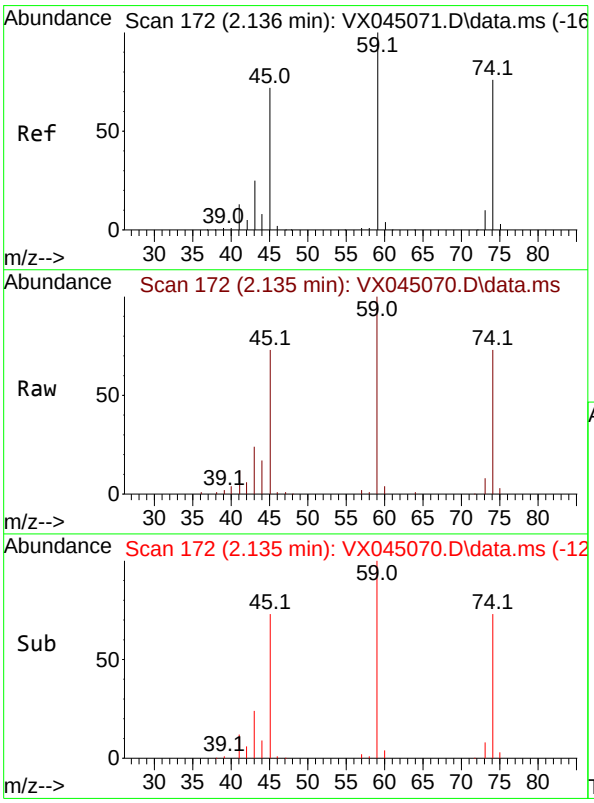
#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 40880

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

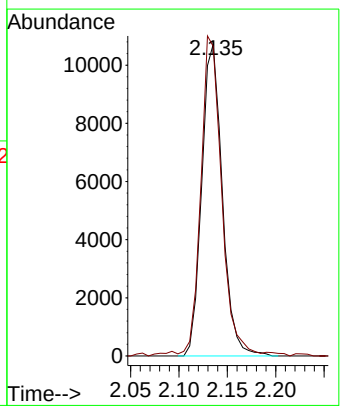


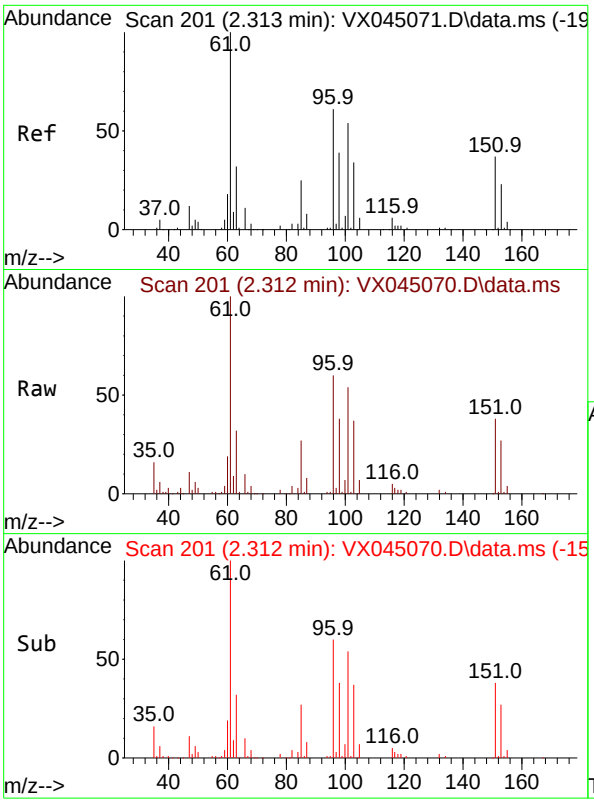


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5



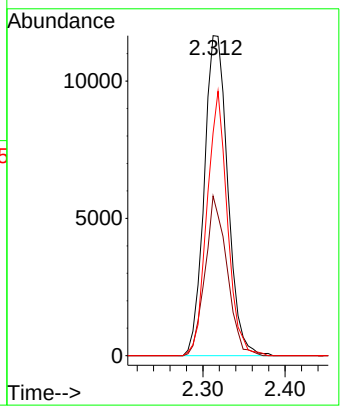


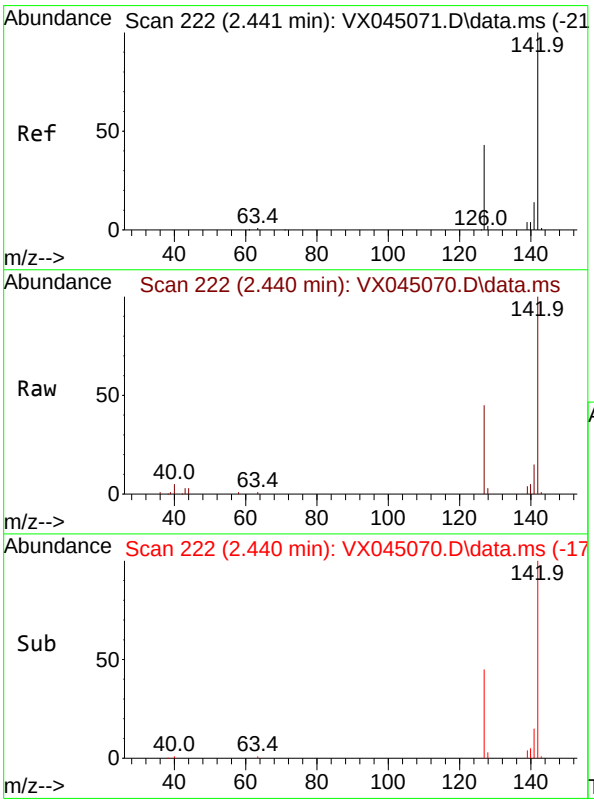
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 23154

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.8	56.4	84.6

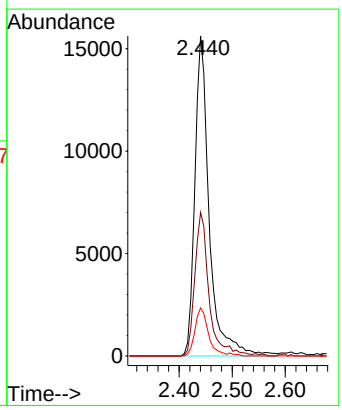


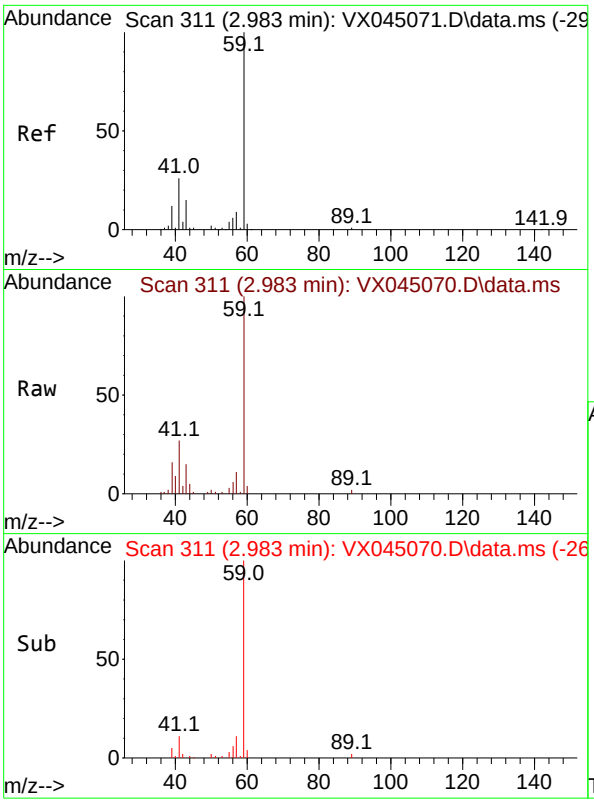


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:142 Resp: 29500

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.4	53.2
141	14.3	11.6	17.4



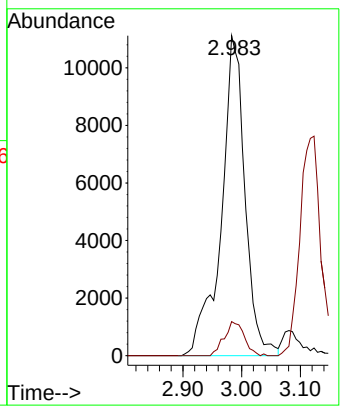


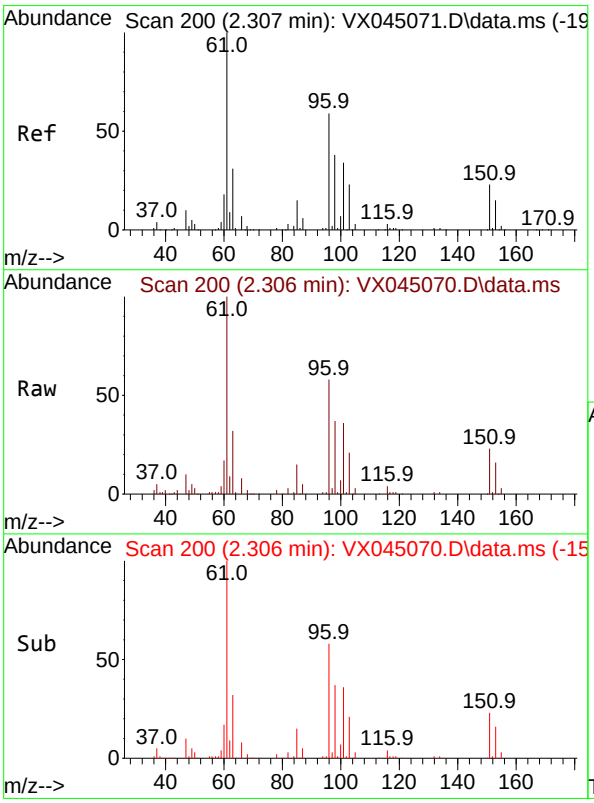
#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 31246

Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8

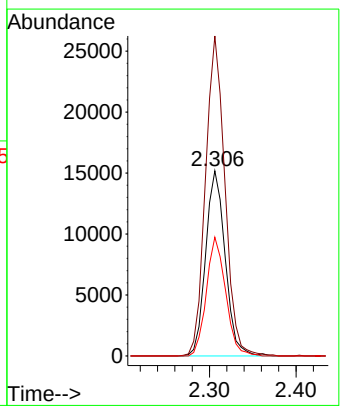


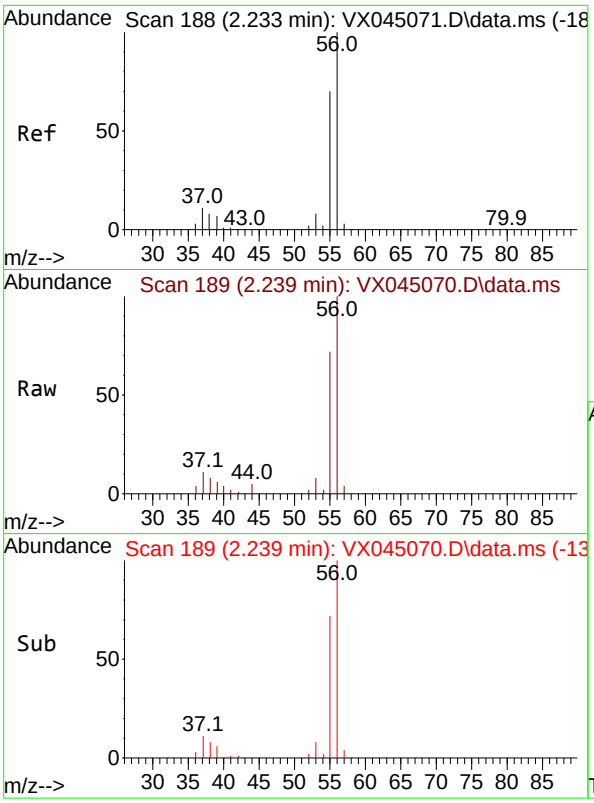


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 23810

Ion	Ratio	Lower	Upper
96	100		
61	172.8	134.6	202.0
98	64.1	51.0	76.6



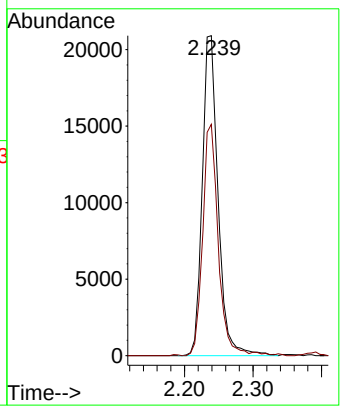


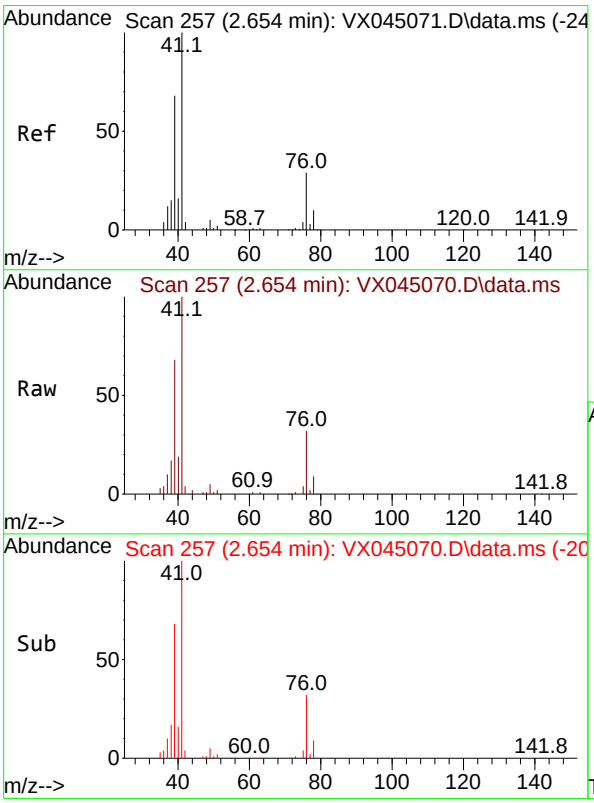
#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 33586

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4

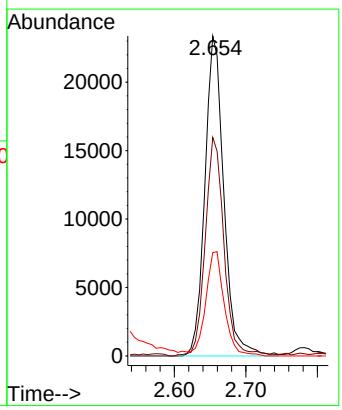


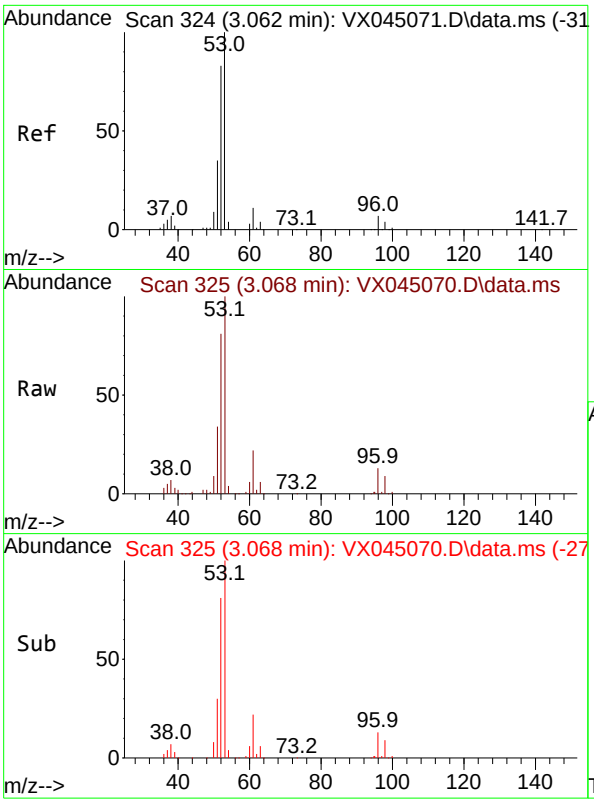


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 42993

Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.8	80.8
76	32.1	25.2	37.8



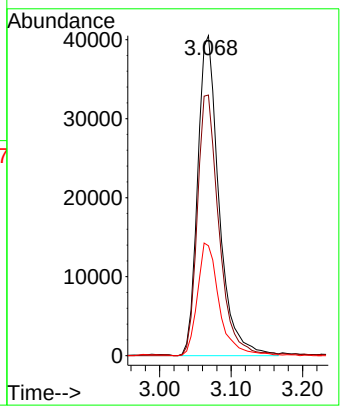


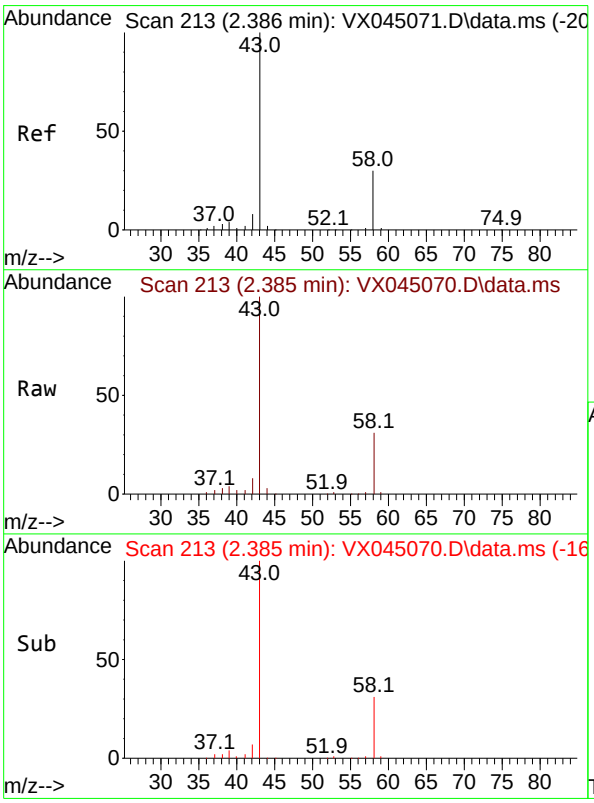
#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 84182

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.0	29.0	43.4

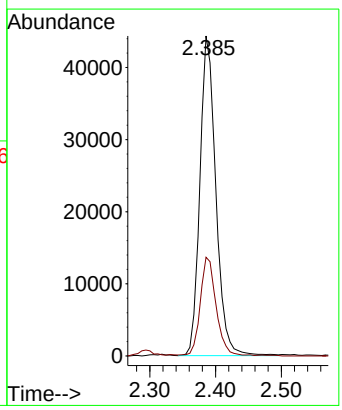


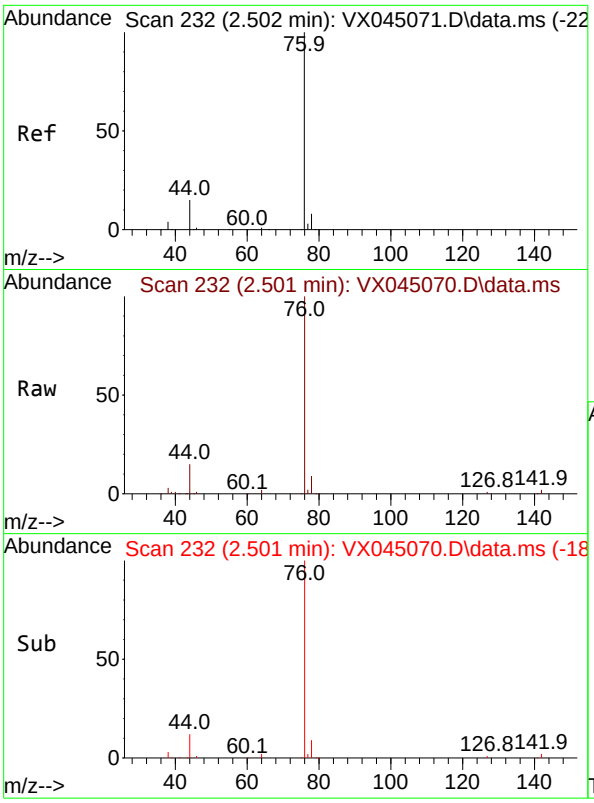


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 74701

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4



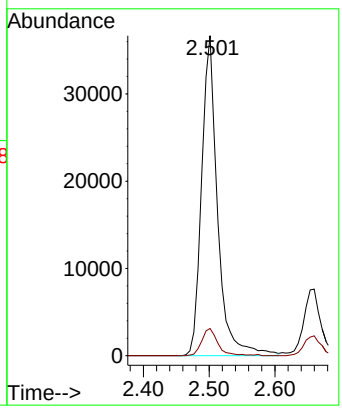


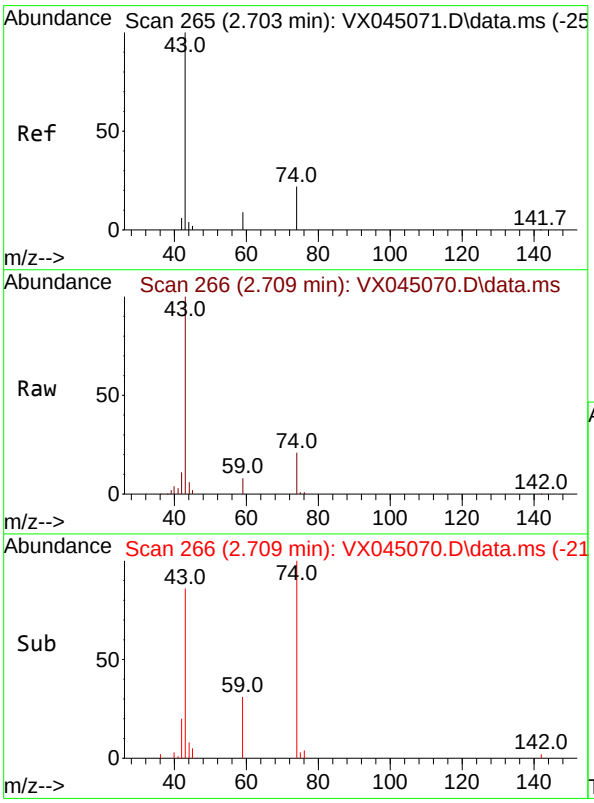
#17
Carbon Disulfide
Concen: 18.139 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 61802

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

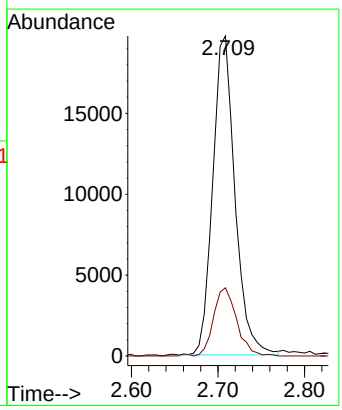


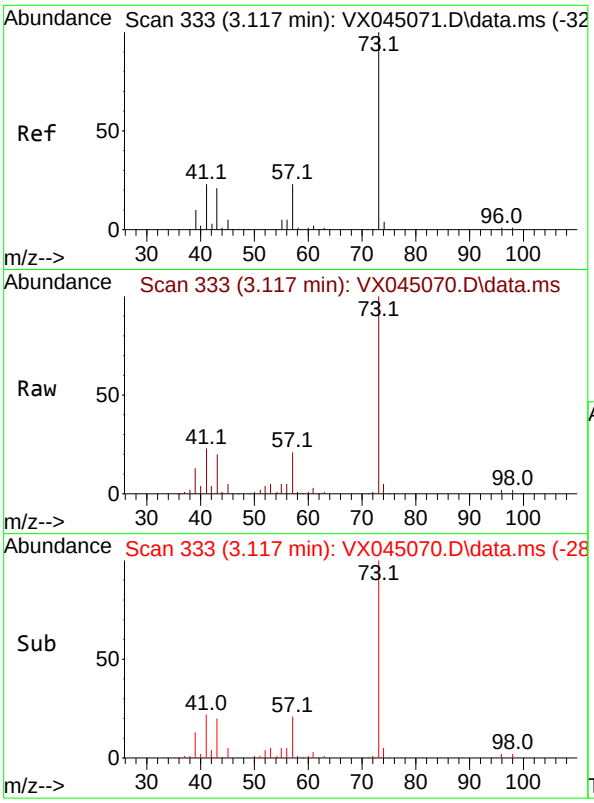


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



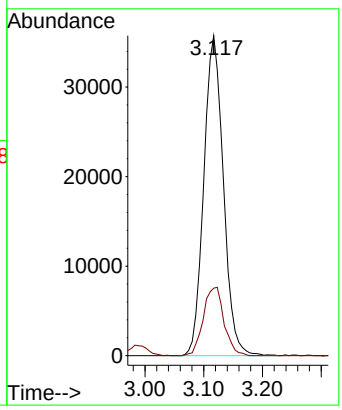


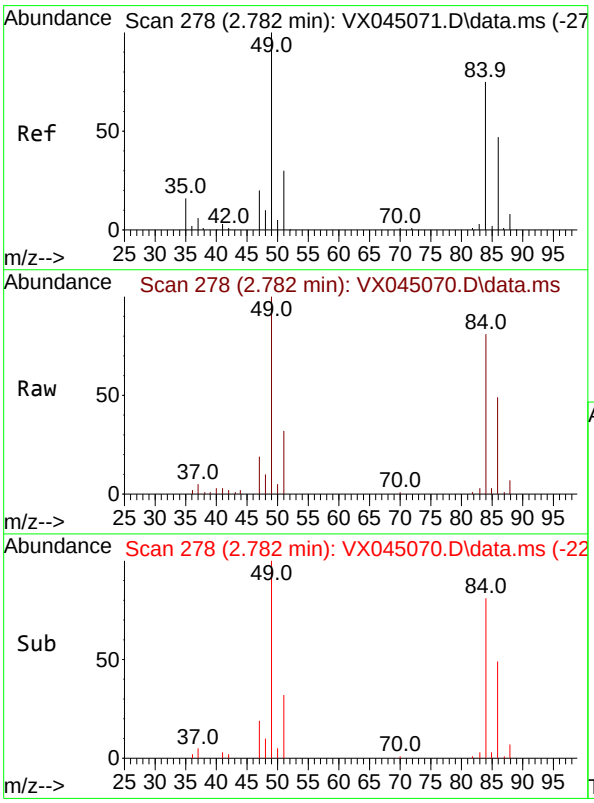
#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 82833

Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7

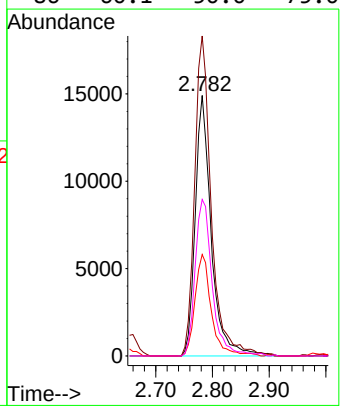


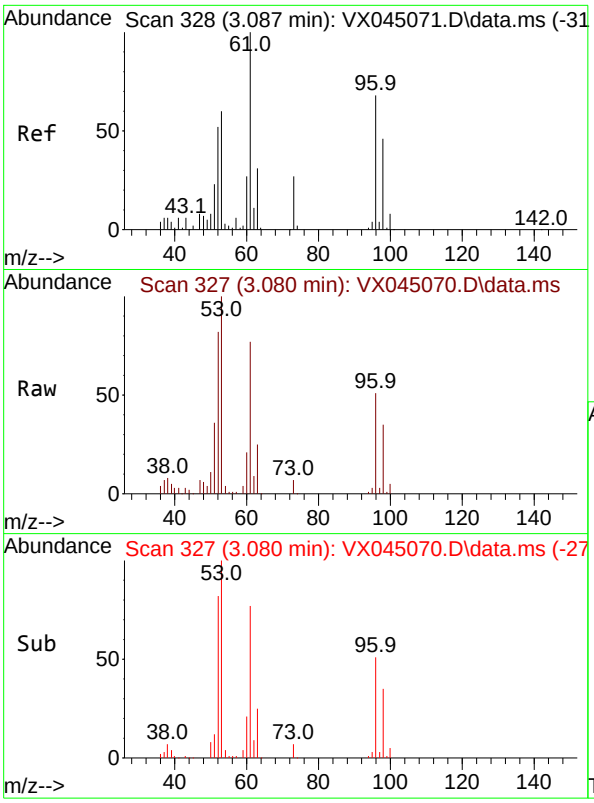


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 84 Resp: 29281

Ion	Ratio	Lower	Upper
84	100		
49	122.9	106.5	159.7
51	38.9	32.1	48.1
86	60.1	50.0	75.0



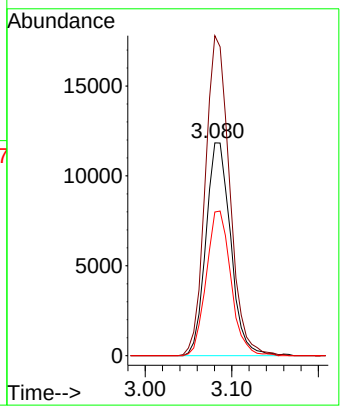


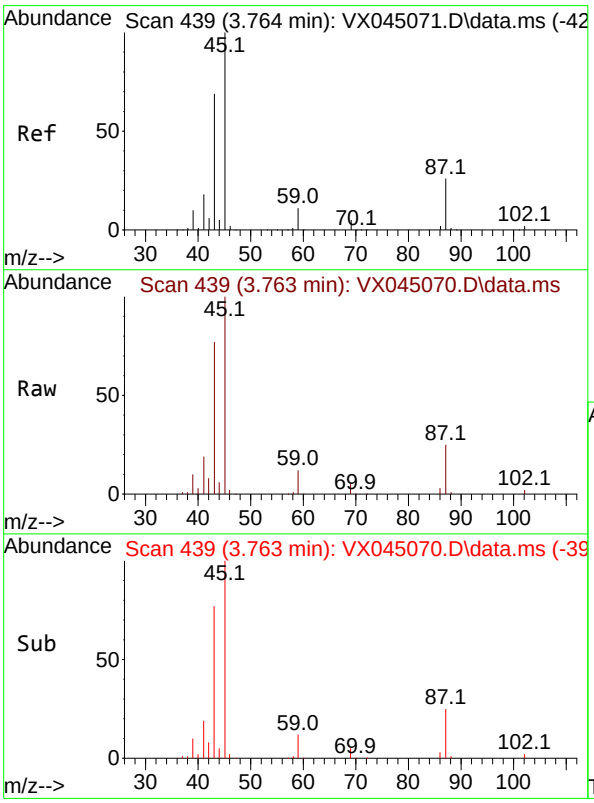
#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 23471

Ion	Ratio	Lower	Upper
96	100		
61	150.3	117.0	175.4
98	67.5	53.4	80.2

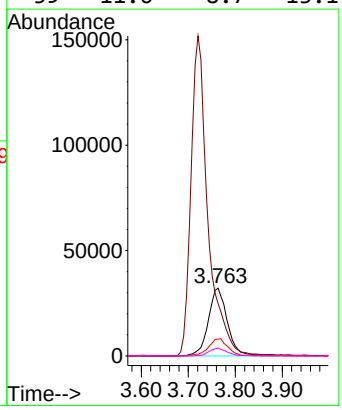


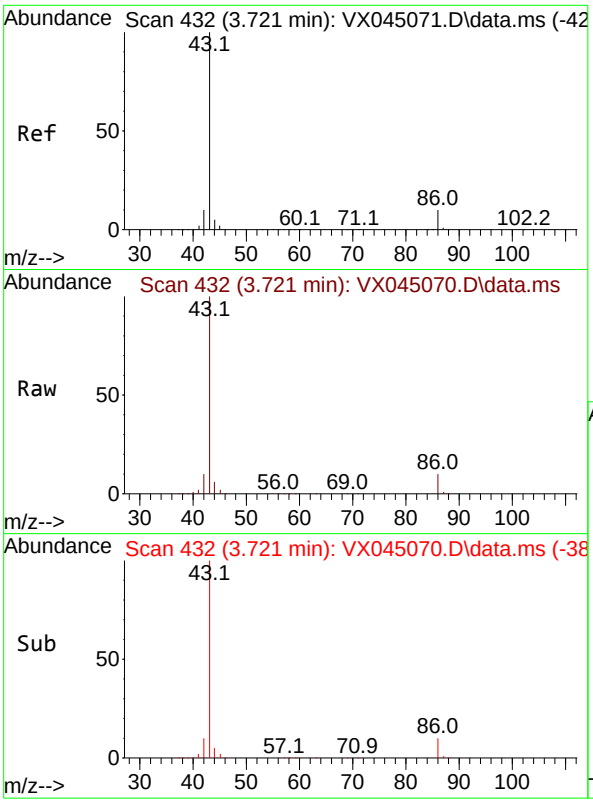


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 45 Resp: 90378

Ion	Ratio	Lower	Upper
45	100		
43	76.4	54.9	82.3
87	24.7	21.0	31.4
59	11.6	8.7	13.1



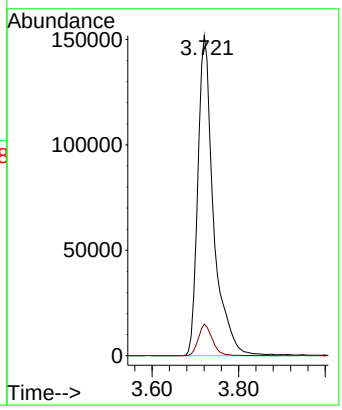


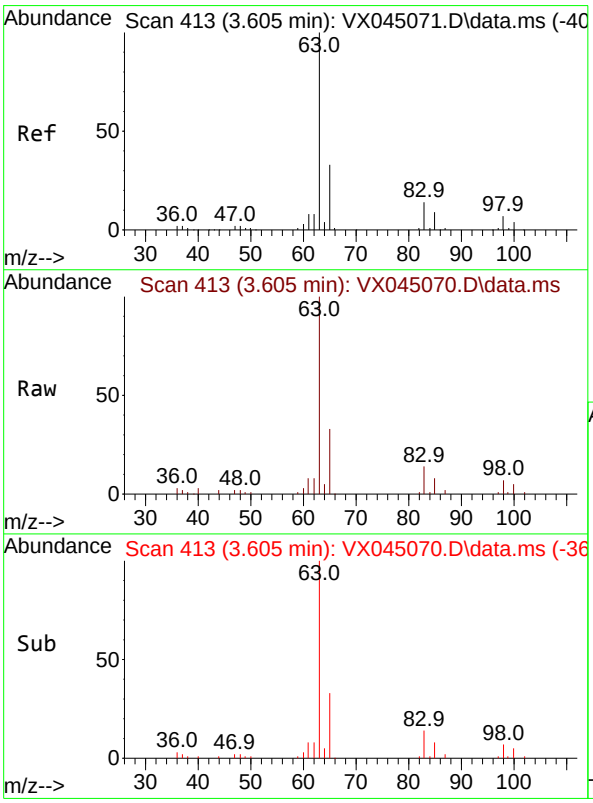
#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 381808

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

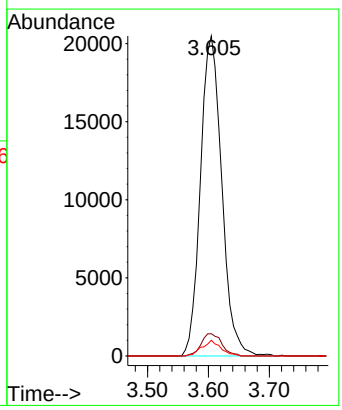


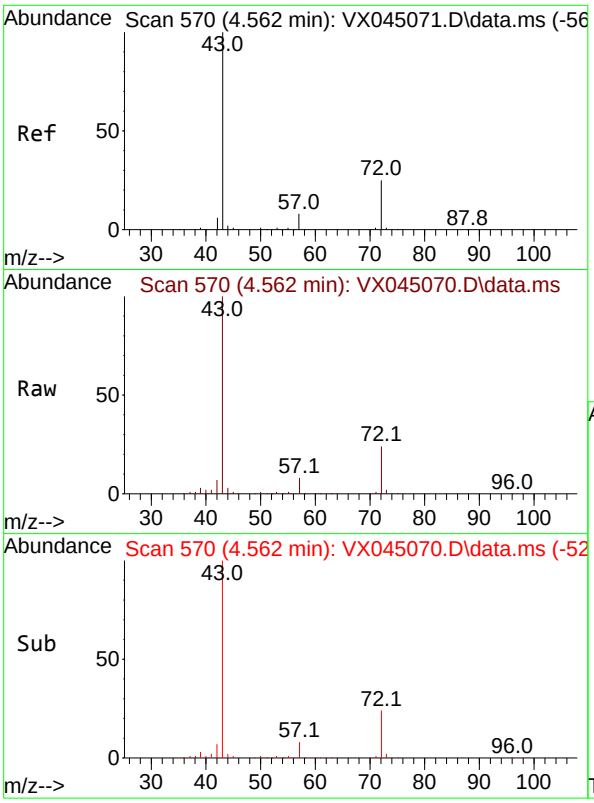


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 49826

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.9	2.1	6.5



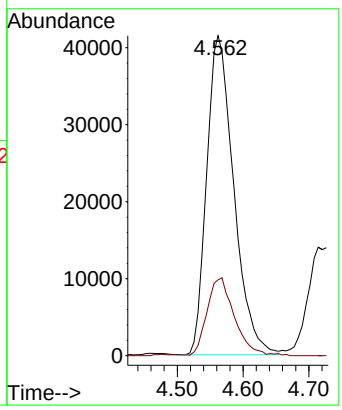


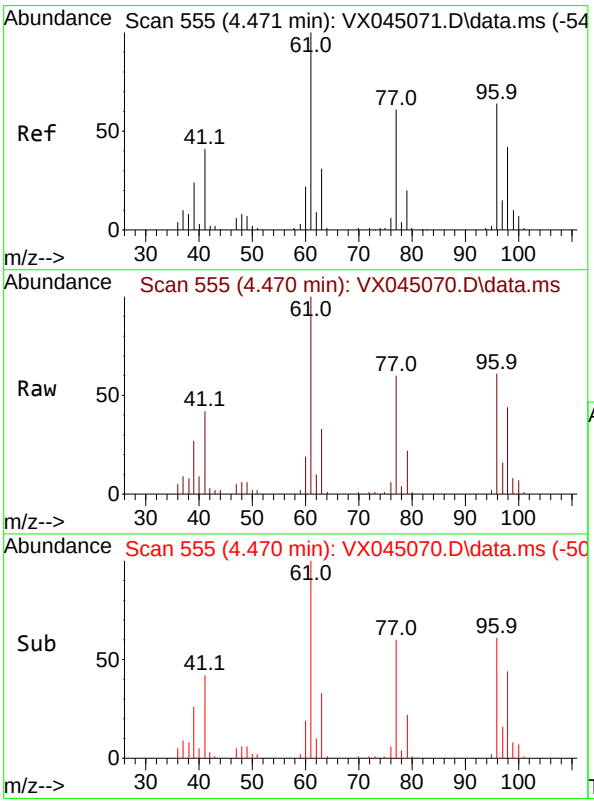
#25
2-Butanone
Concen: 124.449 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 118713

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

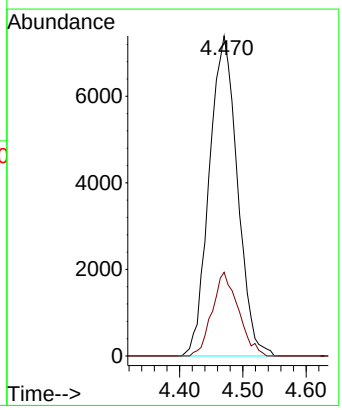


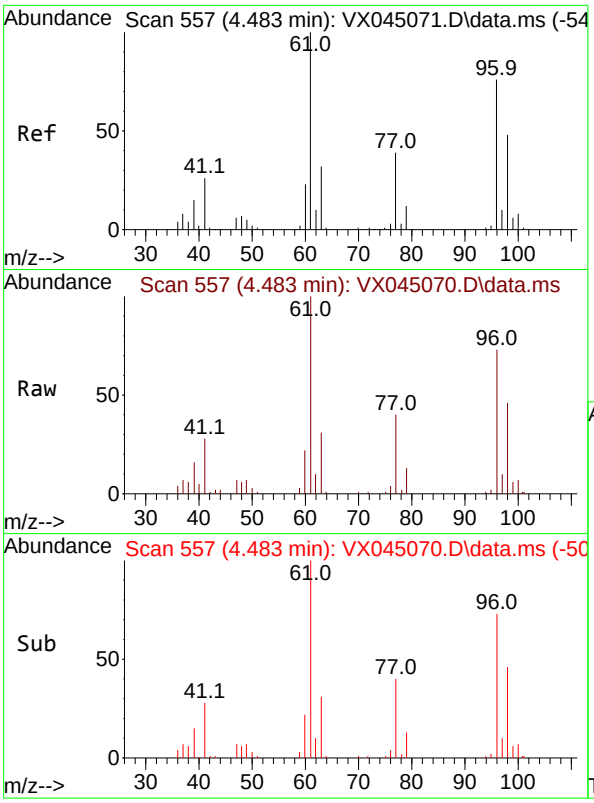


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 77 Resp: 22886

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



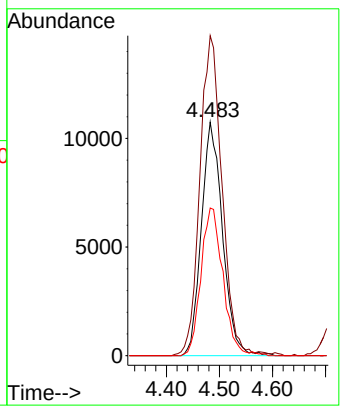


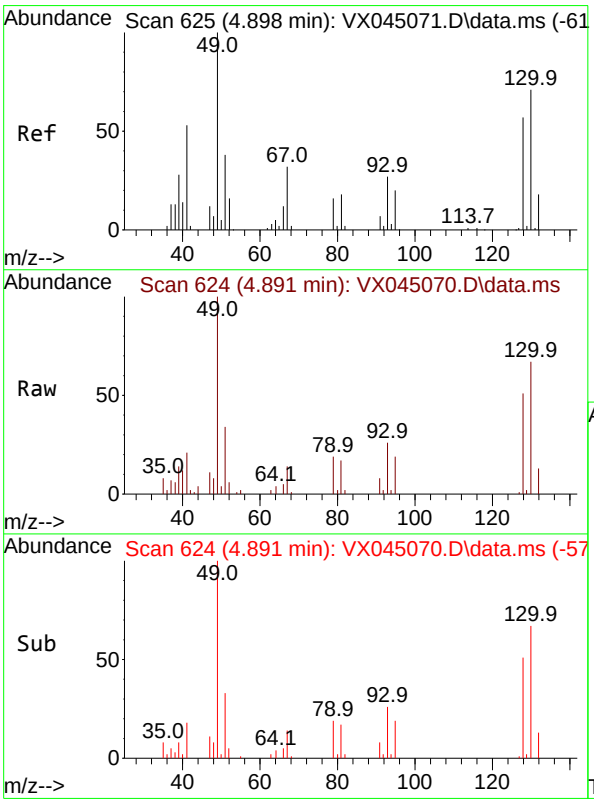
#27
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 29788

Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	283.2
98	65.6	0.0	128.0

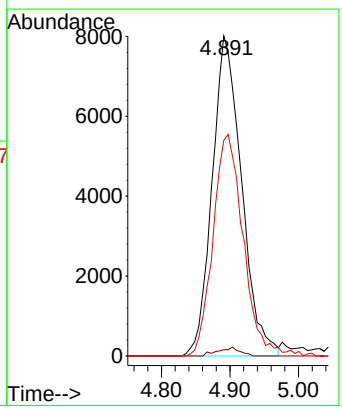


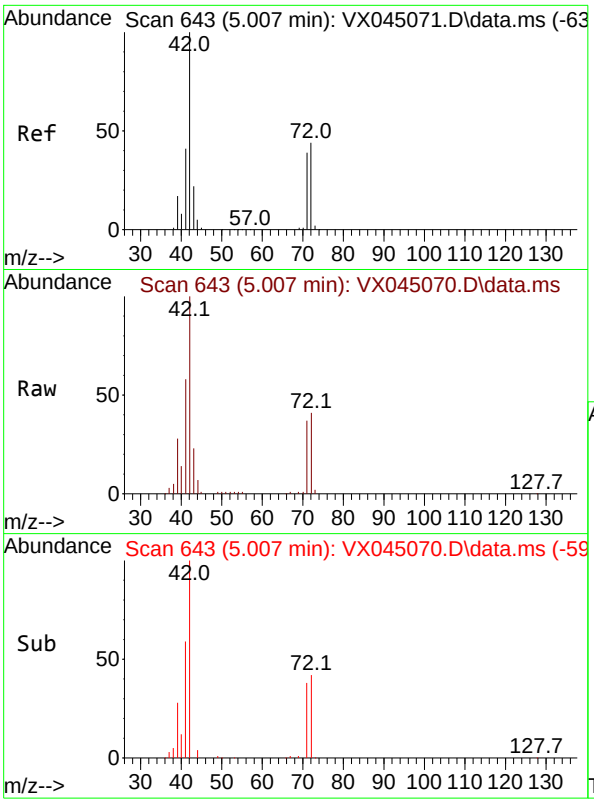


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 49 Resp: 23869

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	70.6	56.1	84.1



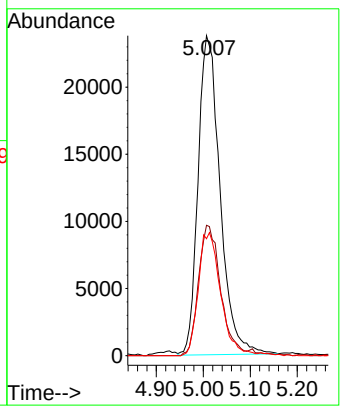


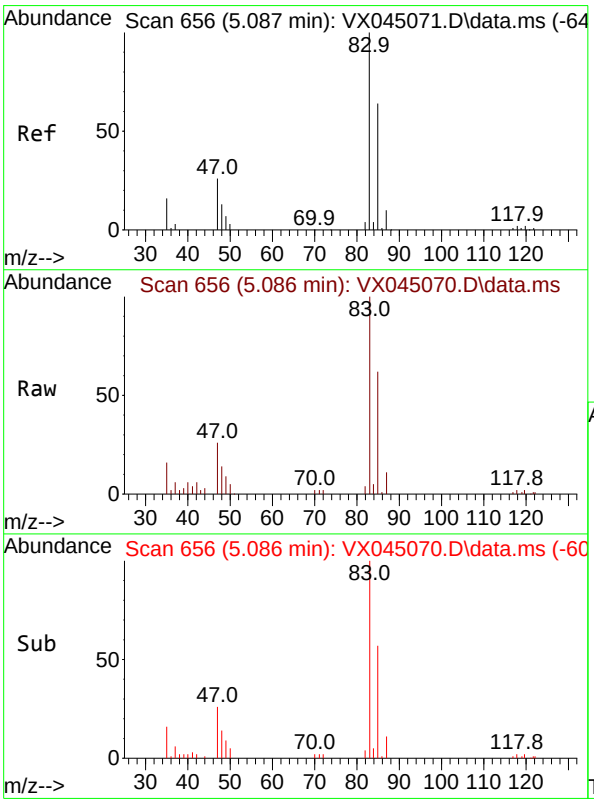
#29
Tetrahydrofuran
Concen: 122.519 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 77433

Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	39.0	31.4	47.0

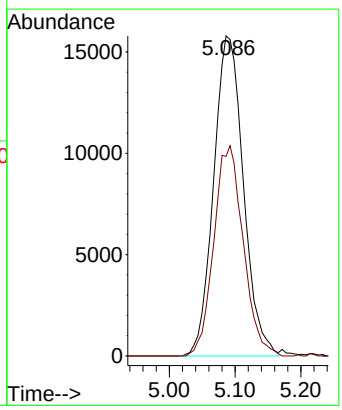


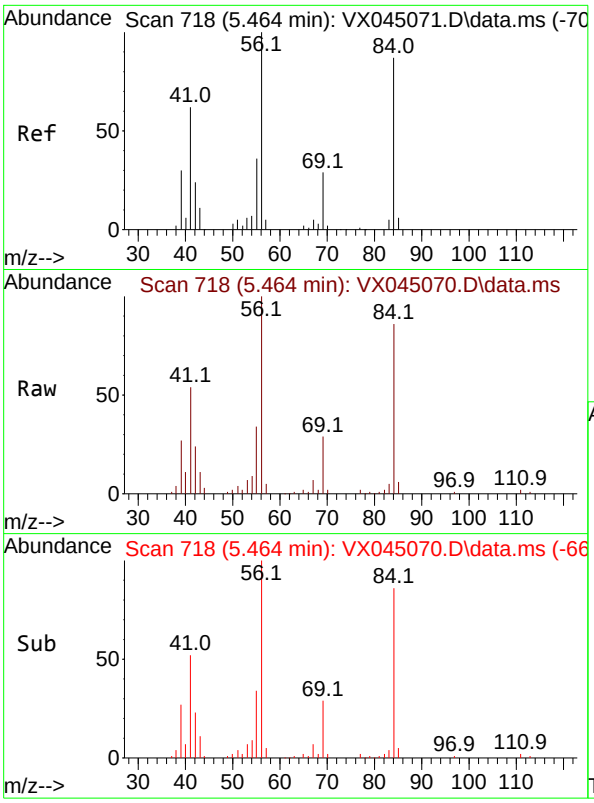


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2



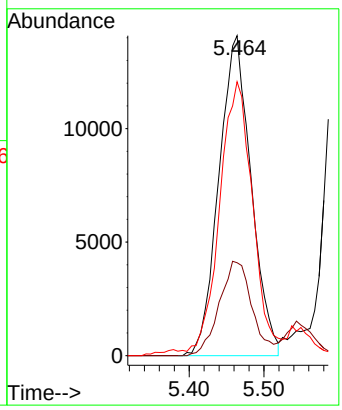


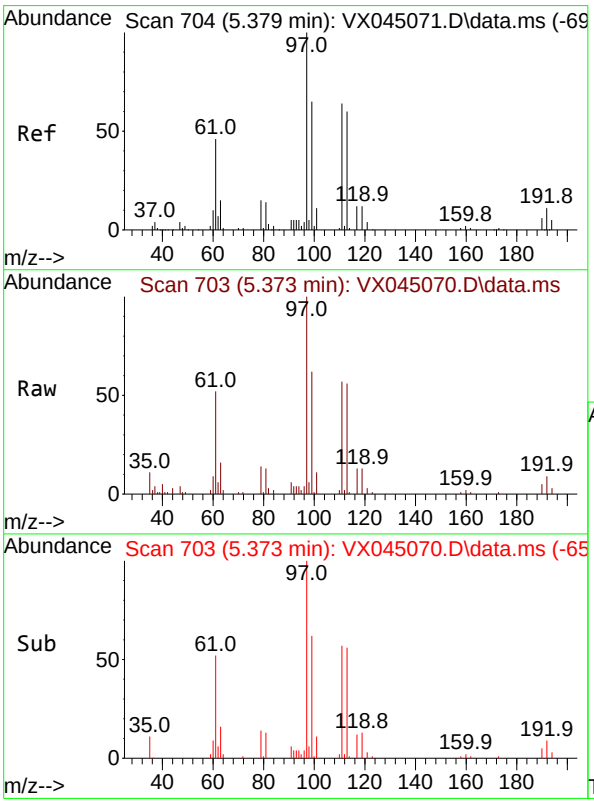
#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 42340

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	84.2	69.4	104.2

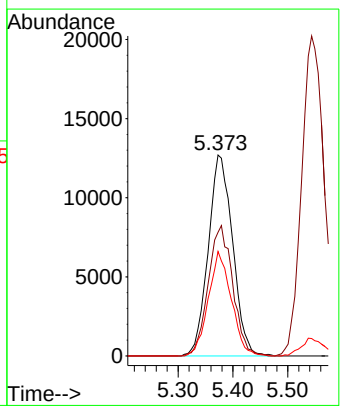


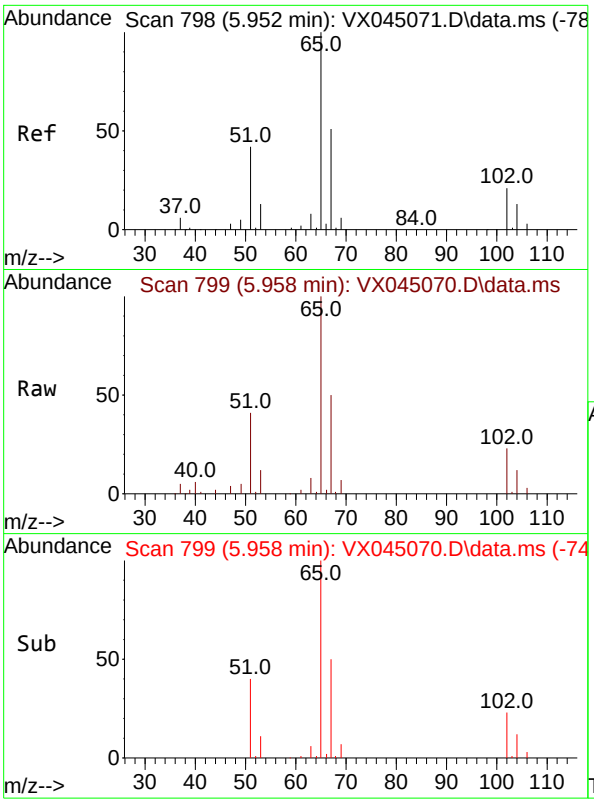


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 39276

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	48.9	38.4	57.6



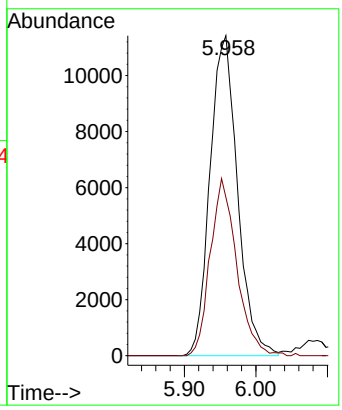


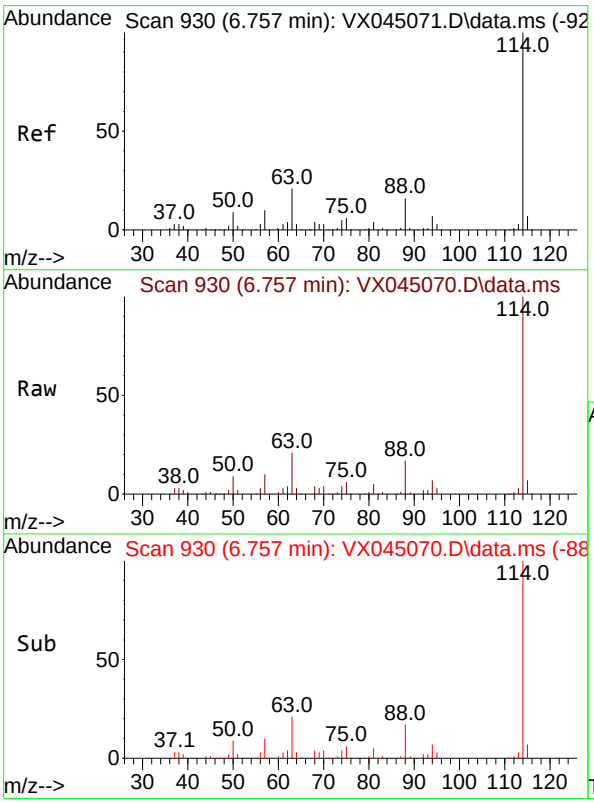
#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 30514

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2

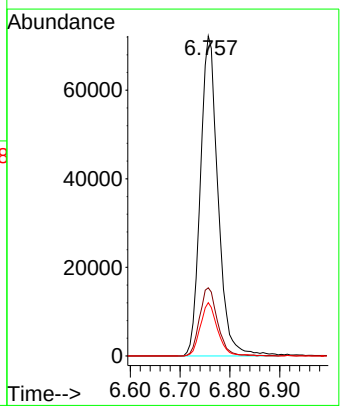


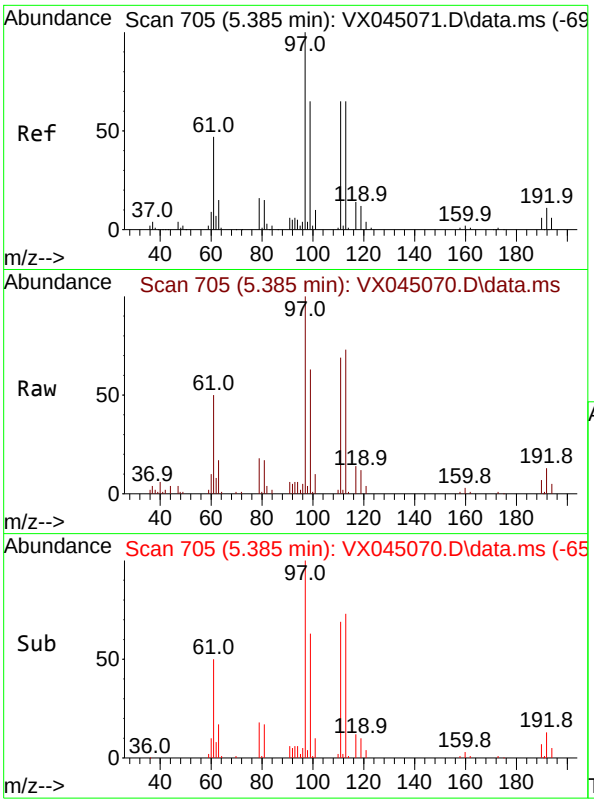


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:114 Resp: 177403

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.8
88	16.6	0.0	32.8



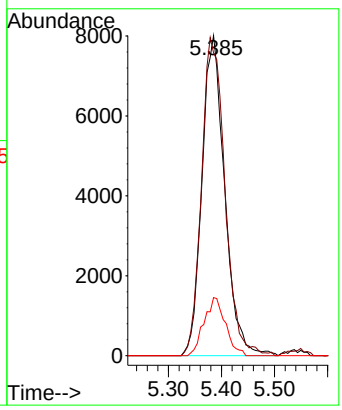


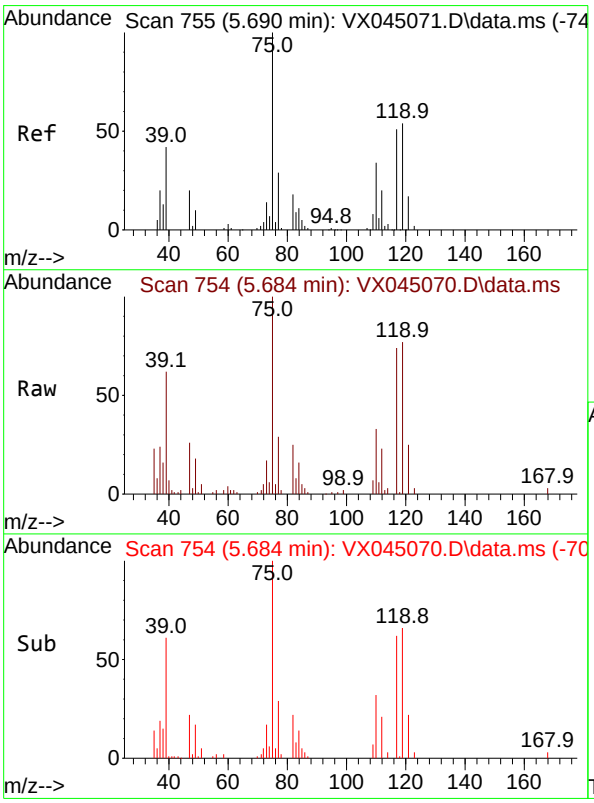
#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 23739

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.2	14.3	21.5

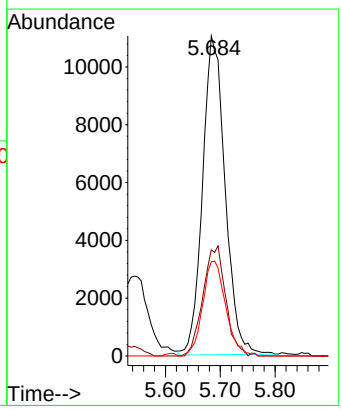


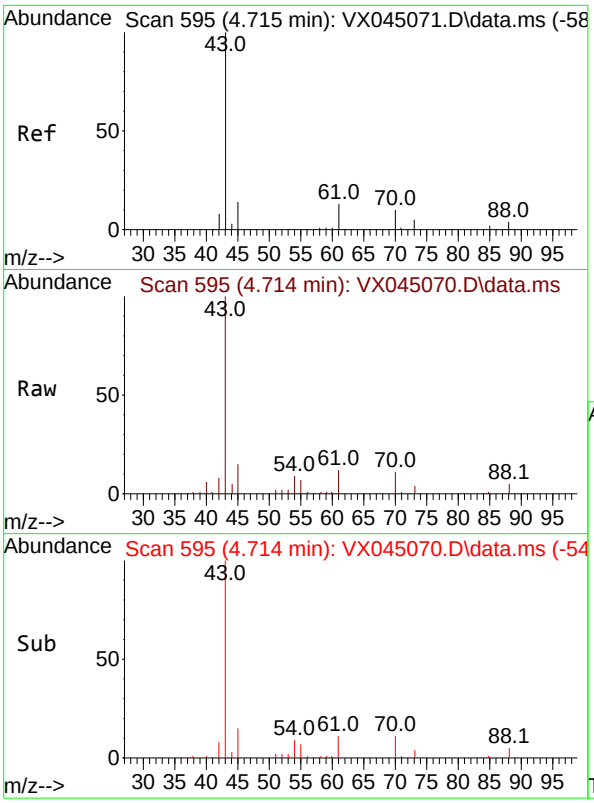


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 31519

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	30.3	24.5	36.7



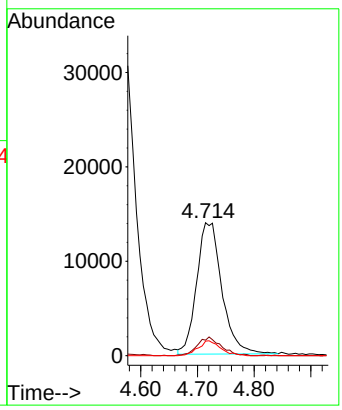


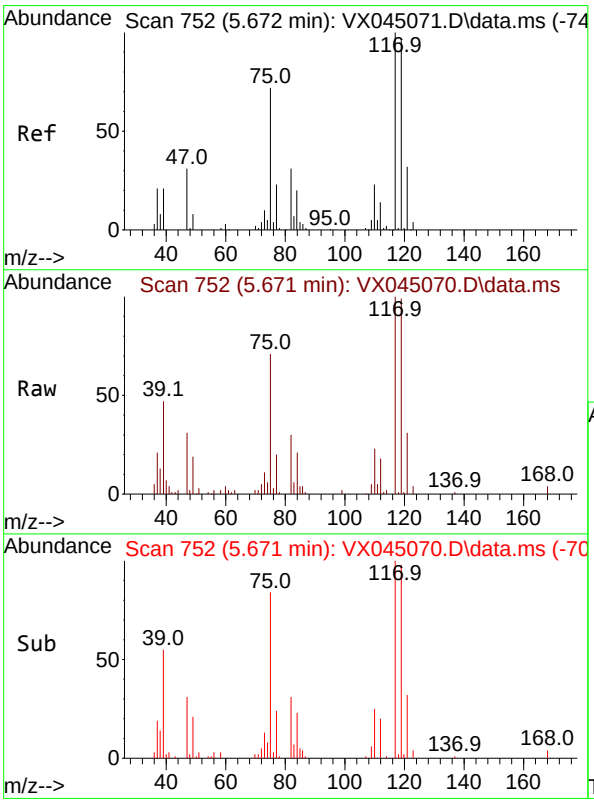
#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 43097

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.1	7.7	11.5

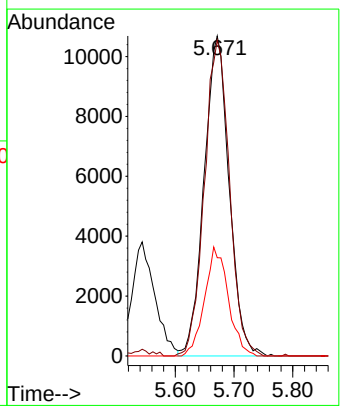


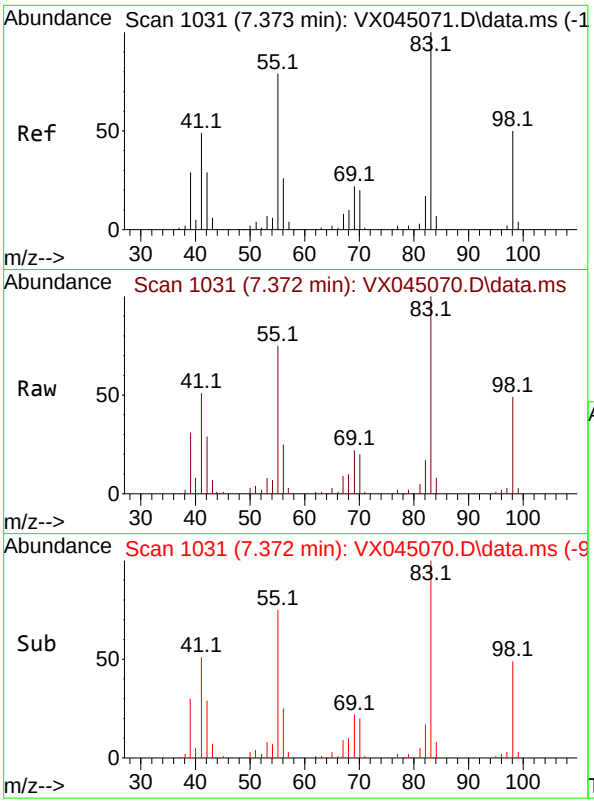


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 31694

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.7	115.1
121	30.7	25.5	38.3



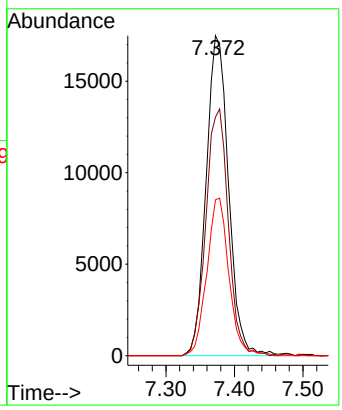


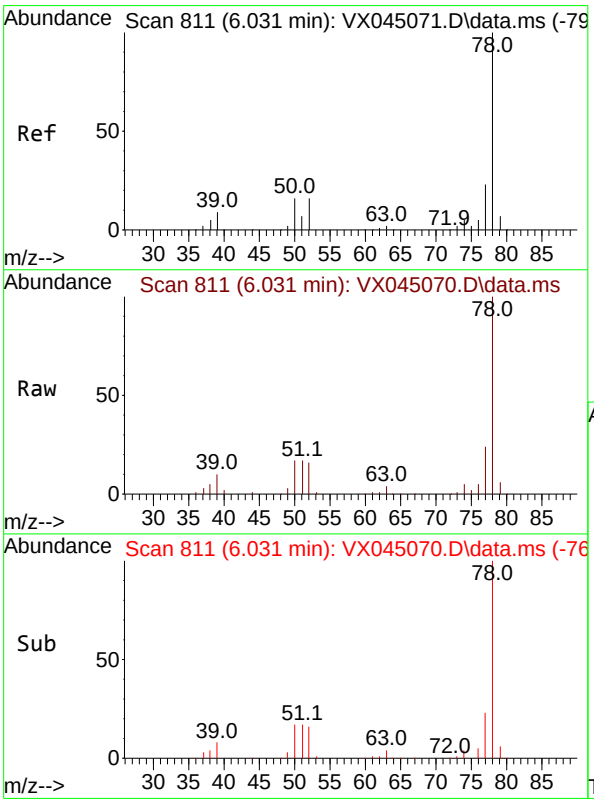
#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 39769

Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.0	94.4
98	48.7	39.7	59.5

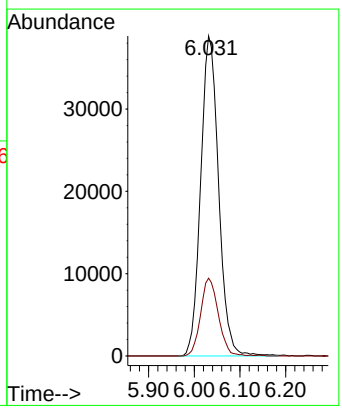


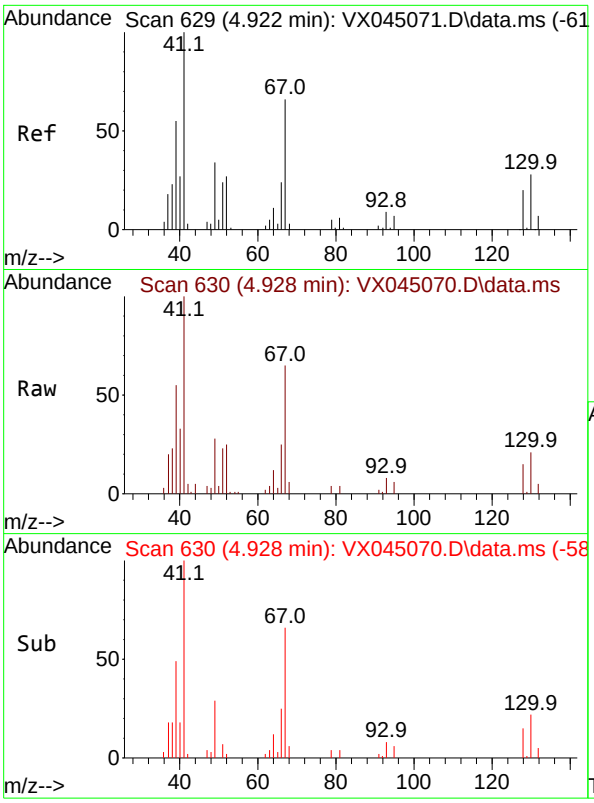


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2



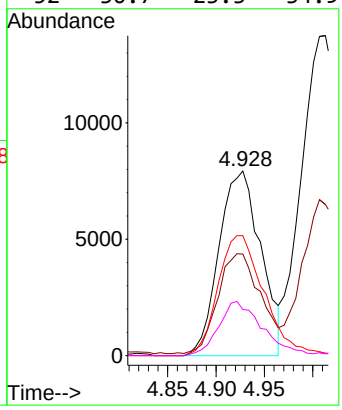


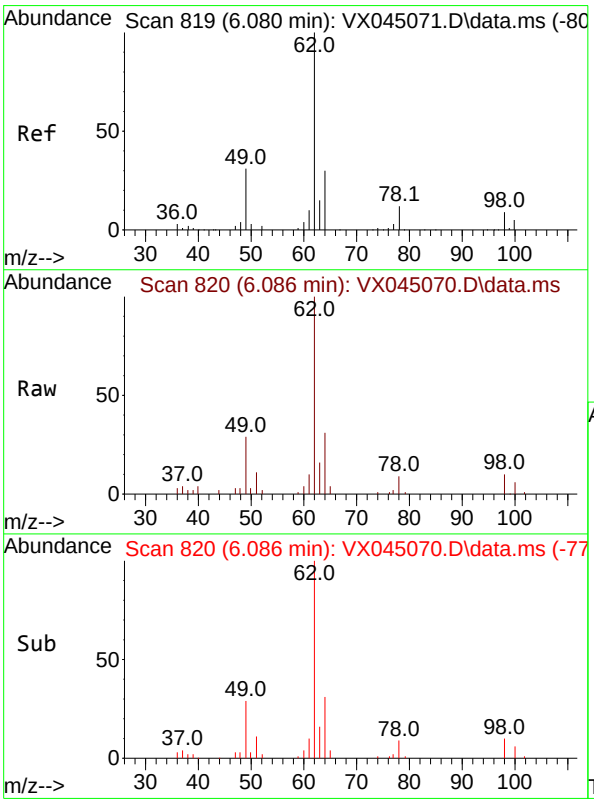
#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 23924

Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	71.6	53.9	80.9
52	30.7	23.3	34.9

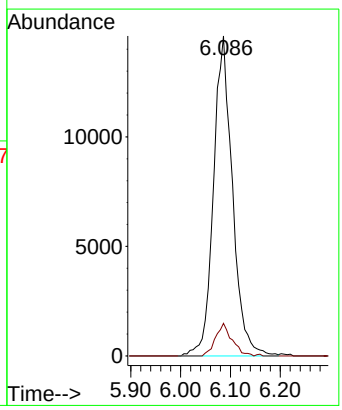


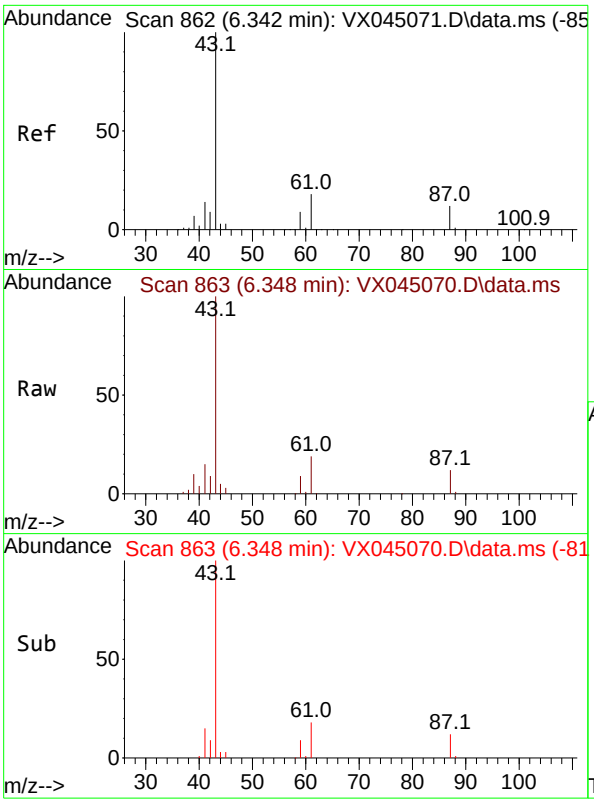


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 38653

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



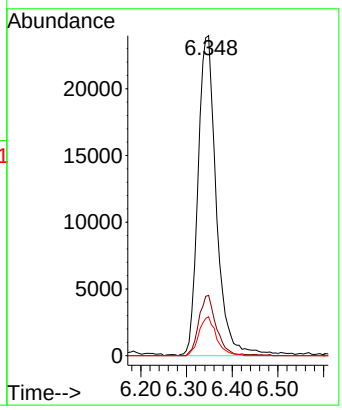


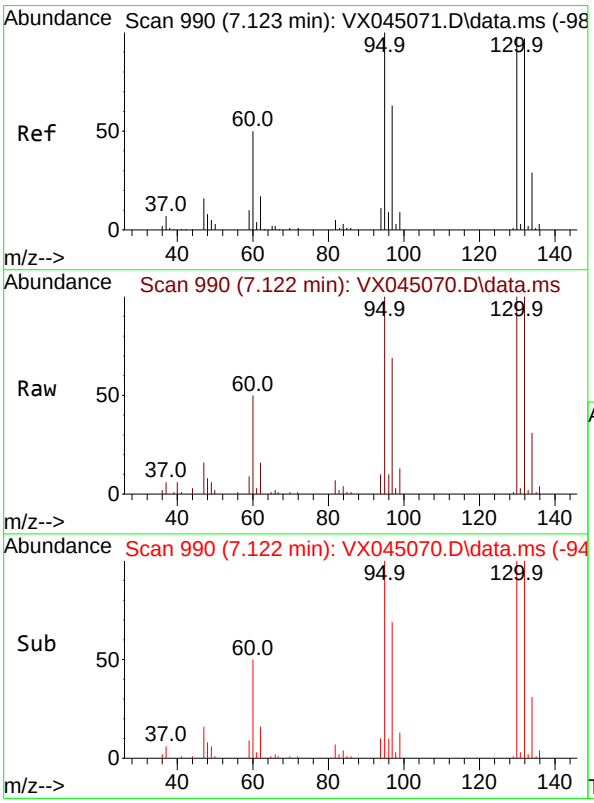
#43
Isopropyl Acetate
Concen: 22.094 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 66727

Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.5	9.4	14.2

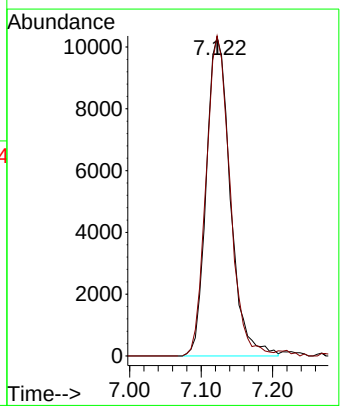


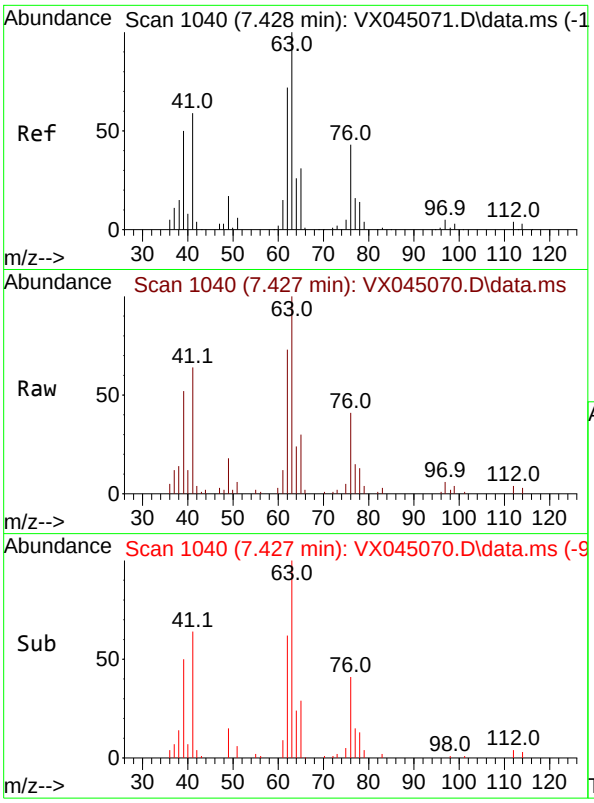


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0



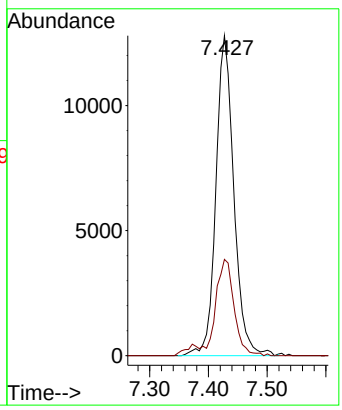


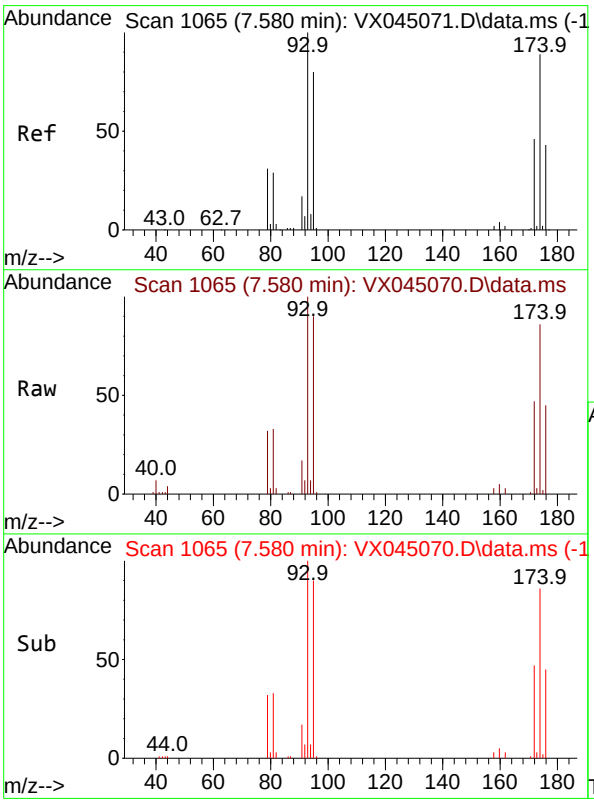
#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 27128

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1

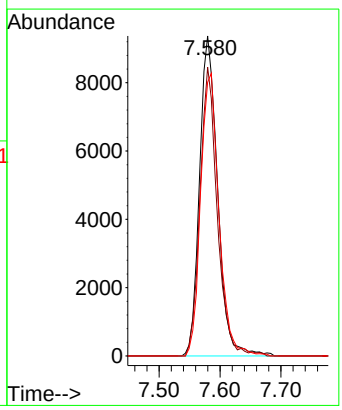


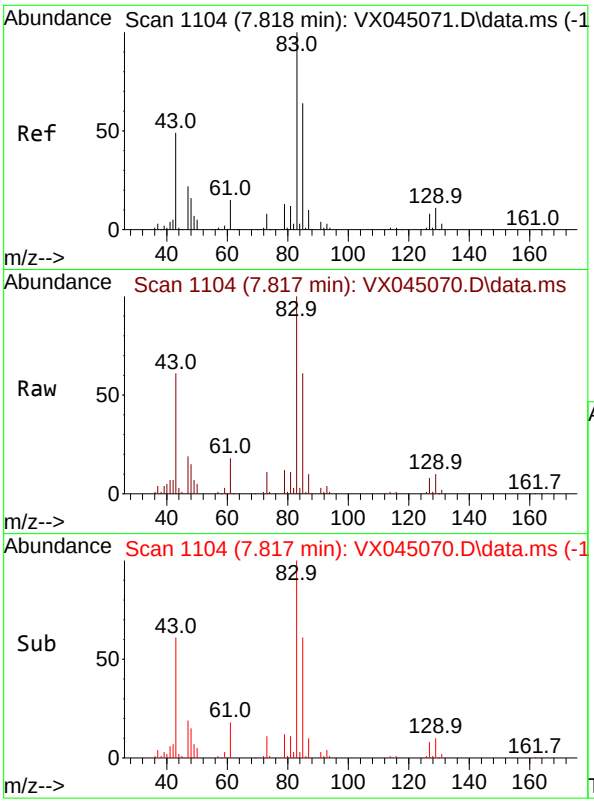


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 93 Resp: 19323

Ion	Ratio	Lower	Upper
93	100		
95	86.4	65.8	98.8
174	89.6	72.2	108.2



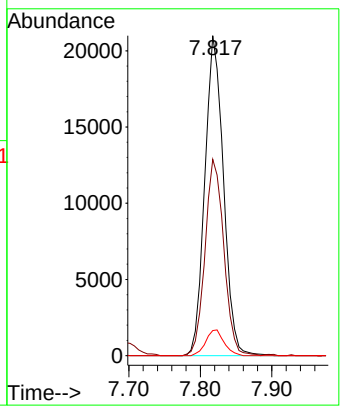


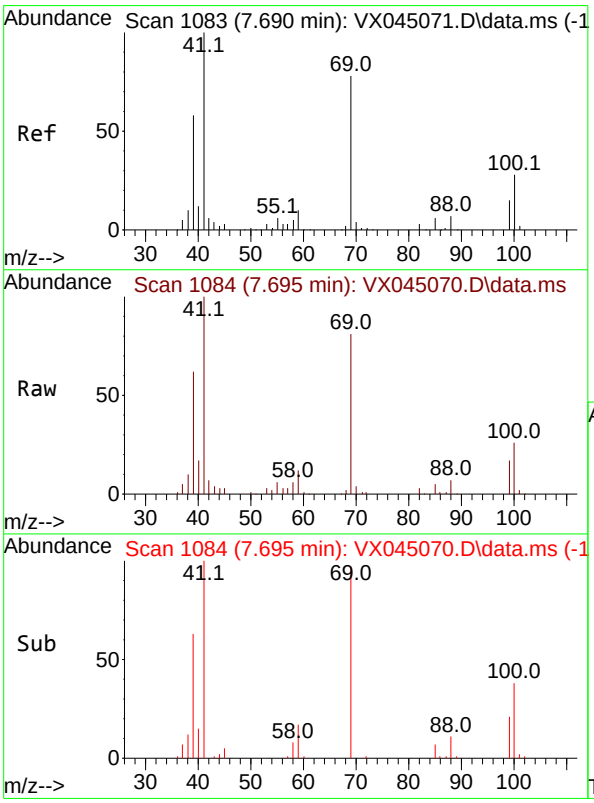
#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 38038

Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7
127	7.8	6.4	9.6

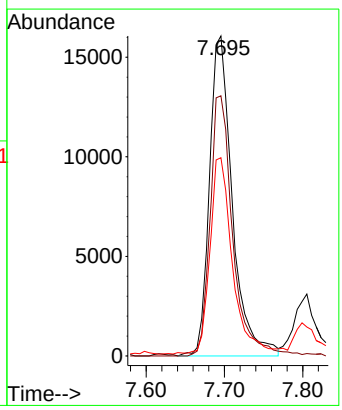


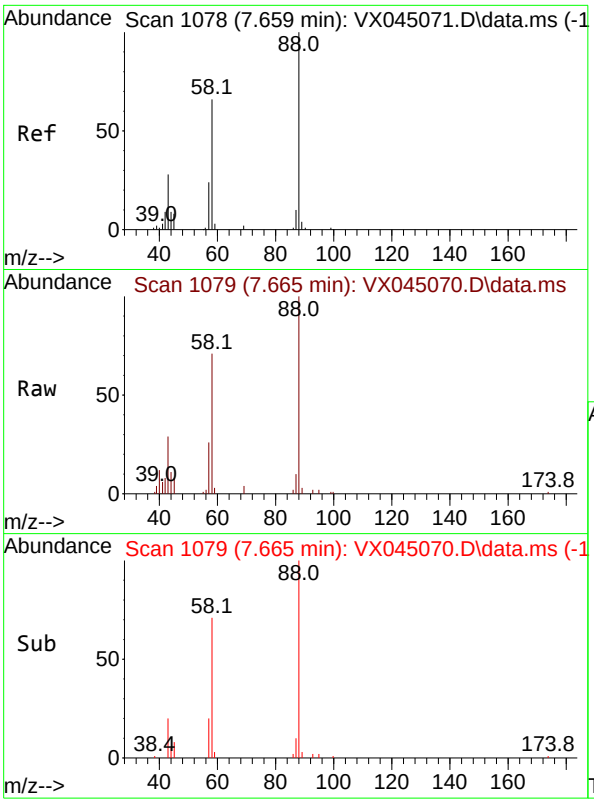


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 32627

Ion	Ratio	Lower	Upper
41	100		
69	81.2	63.0	94.6
39	59.8	47.5	71.3



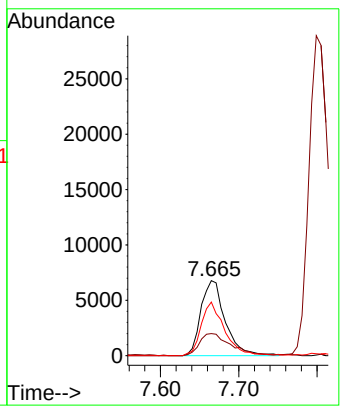


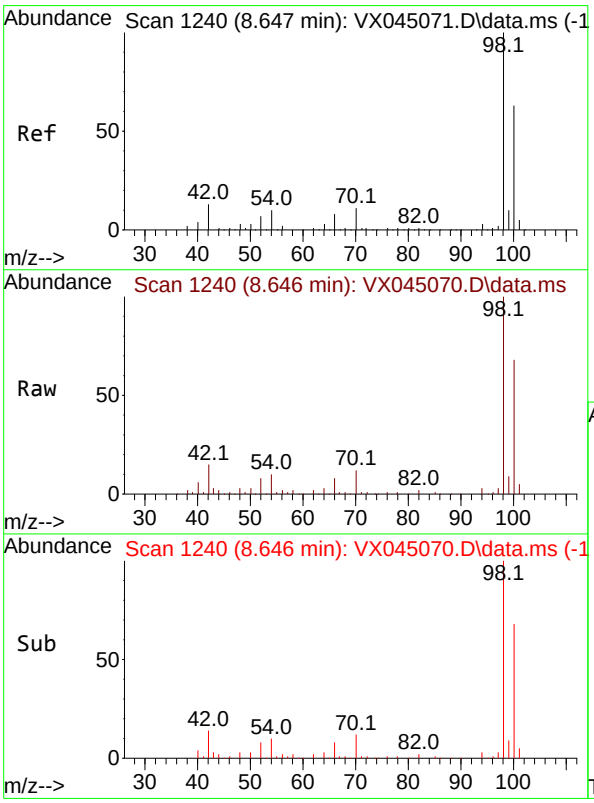
#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 14602

Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.7	43.1
58	68.3	55.8	83.8

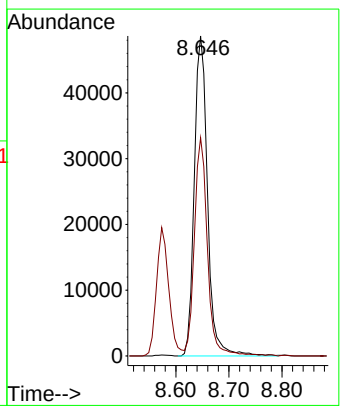


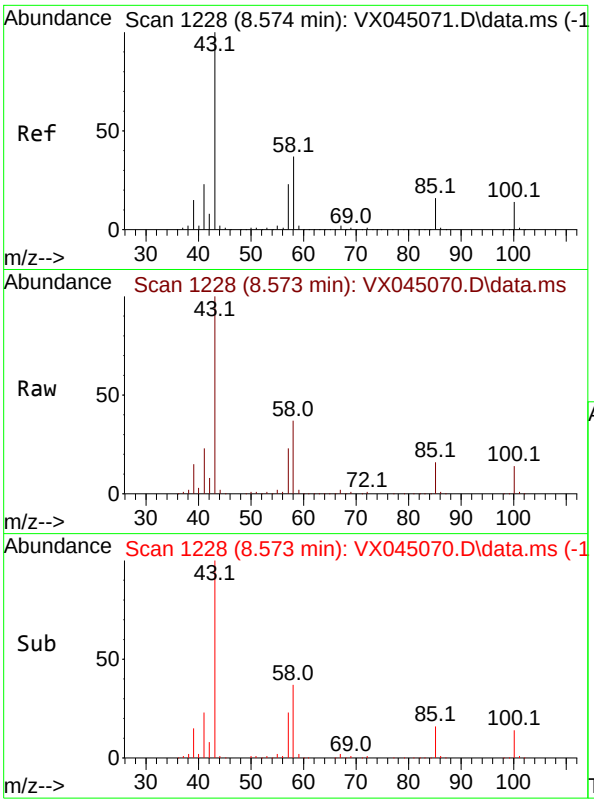


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 98 Resp: 84516

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0



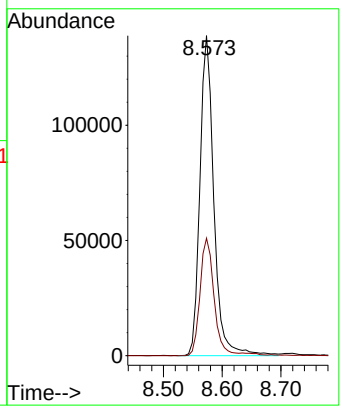


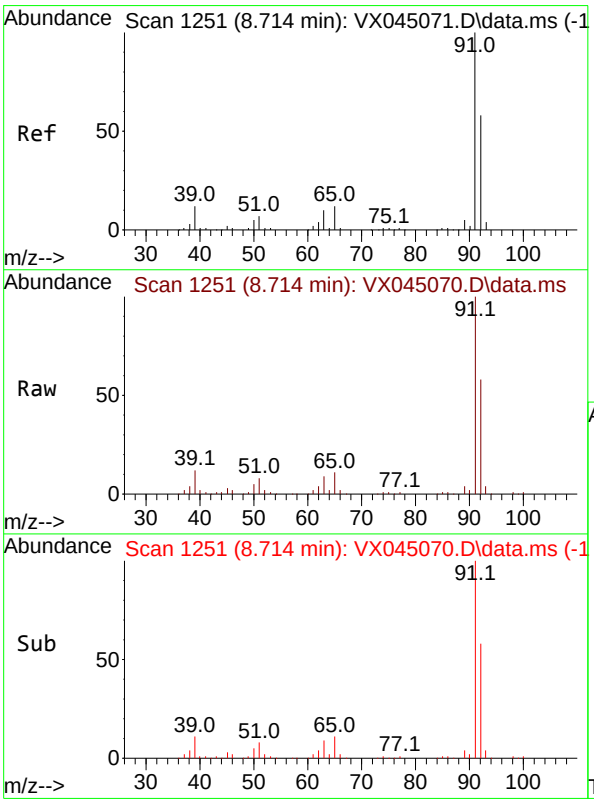
#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 229615

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8

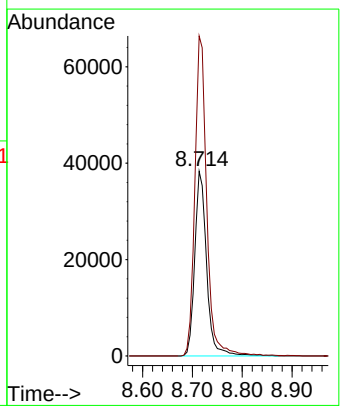


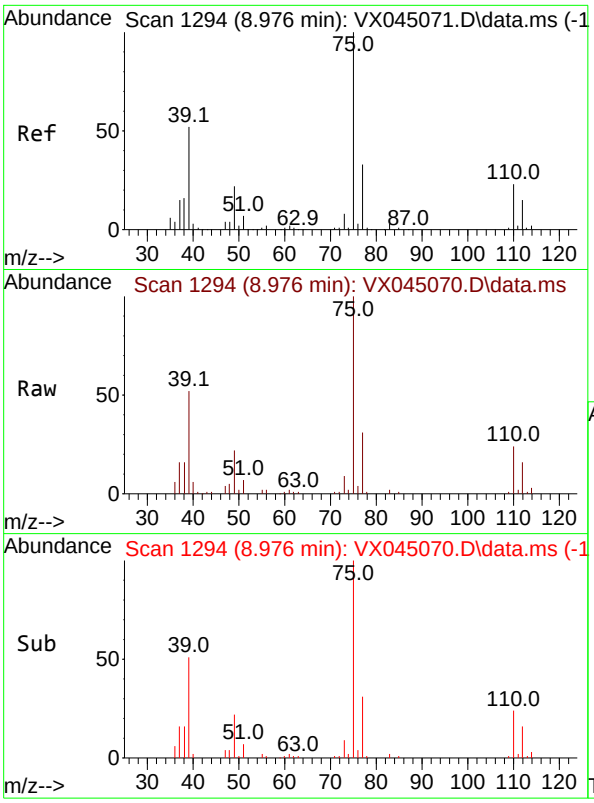


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3



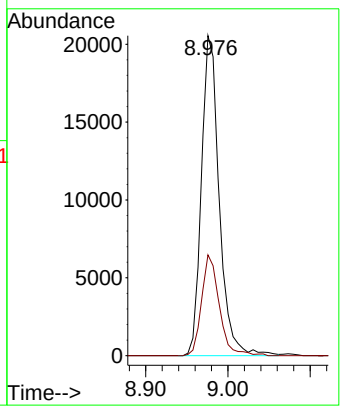


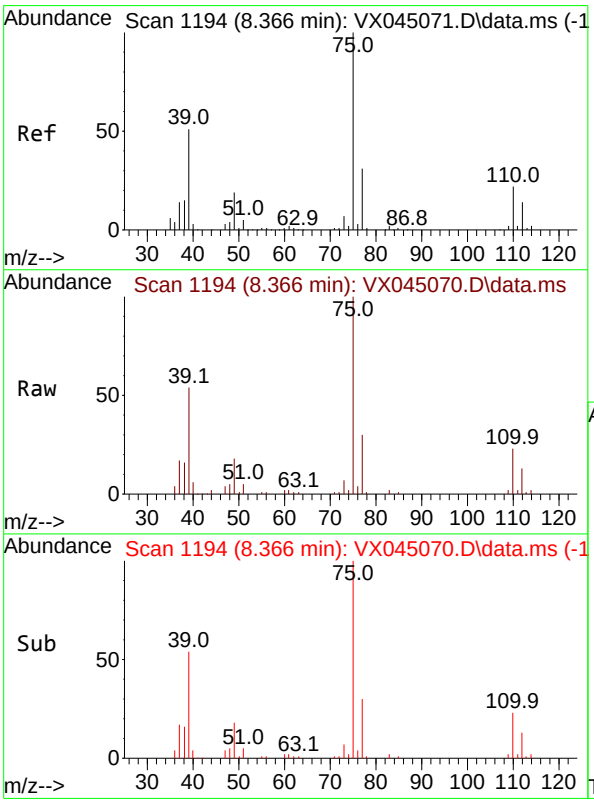
#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 30917

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7

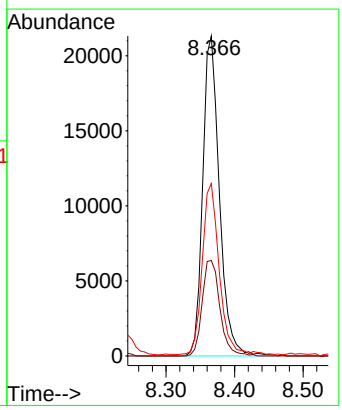


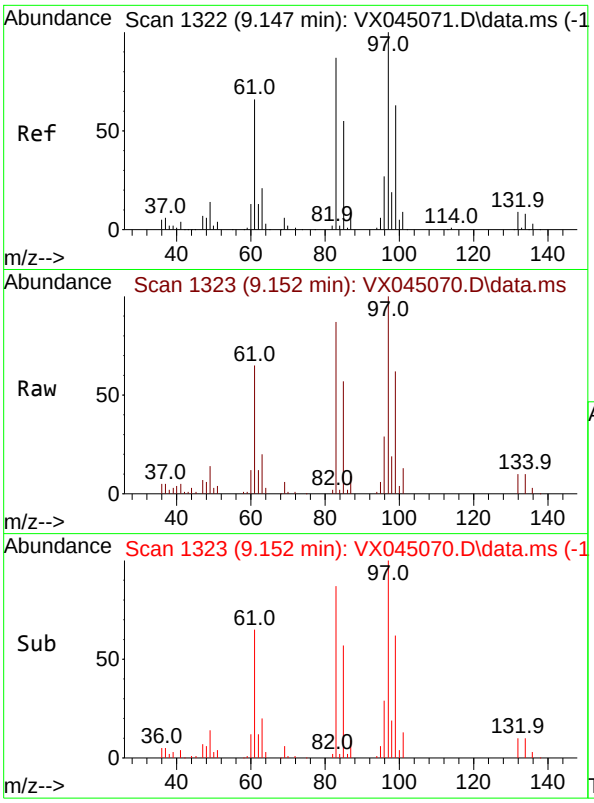


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 36118

Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.7	37.1
39	53.5	40.7	61.1



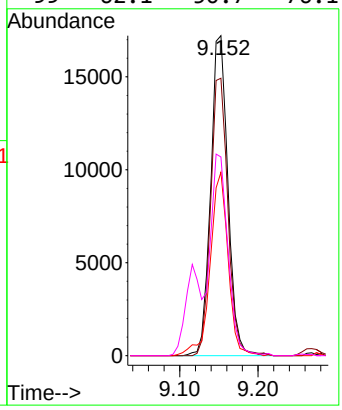


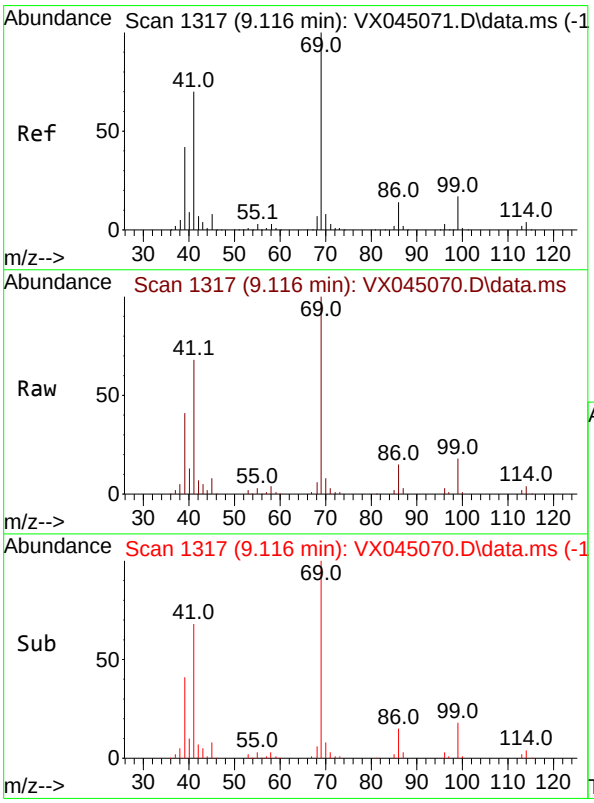
#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 26358

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.2
85	57.3	44.1	66.1
99	62.1	50.7	76.1

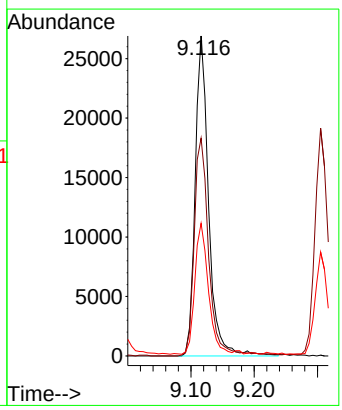


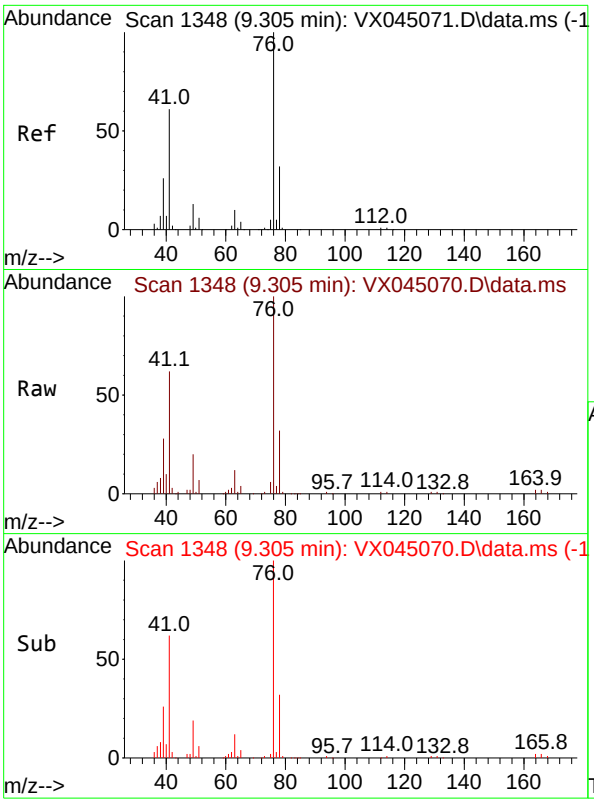


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 69 Resp: 39850

Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.0	85.4
39	40.6	34.2	51.4



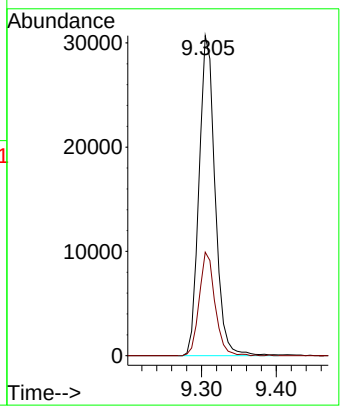


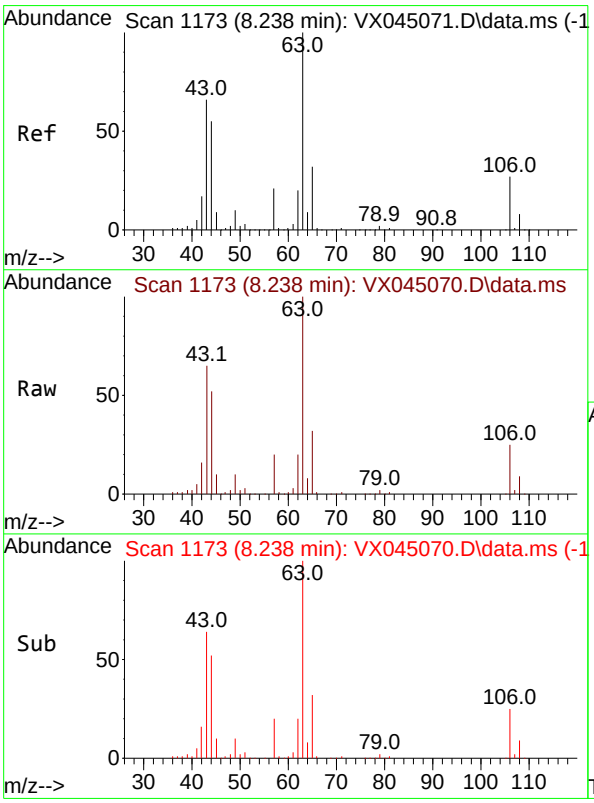
#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 45644

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

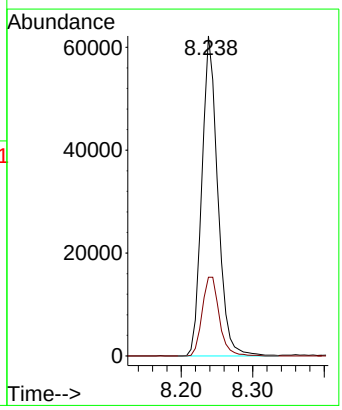


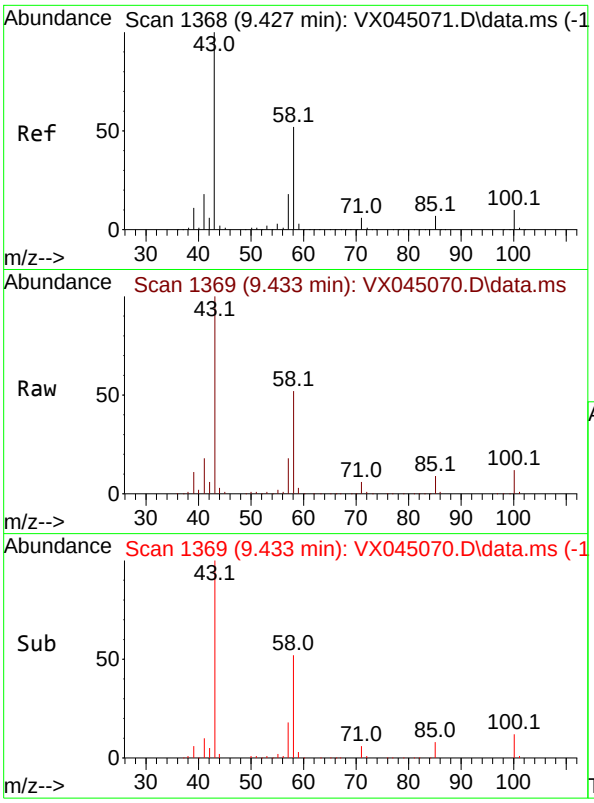


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 96311

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3



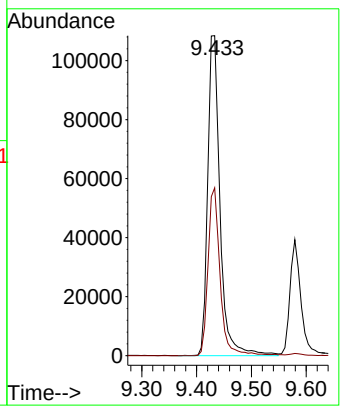


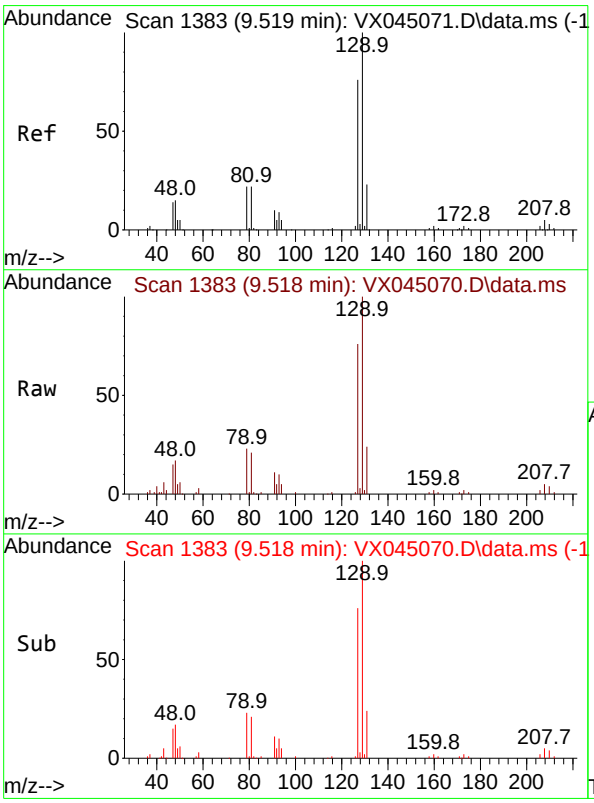
#59
2-Hexanone
Concen: 126.428 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 168768

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

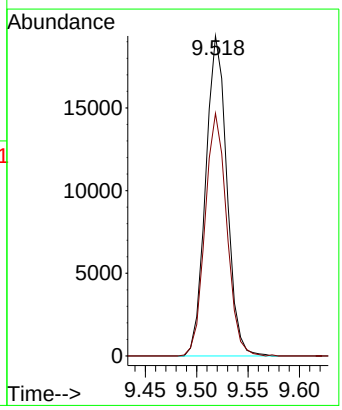


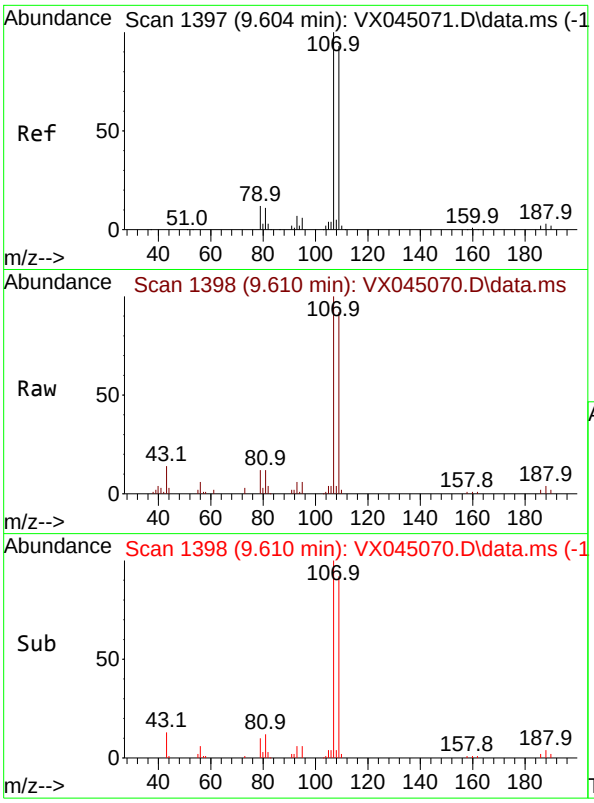


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5



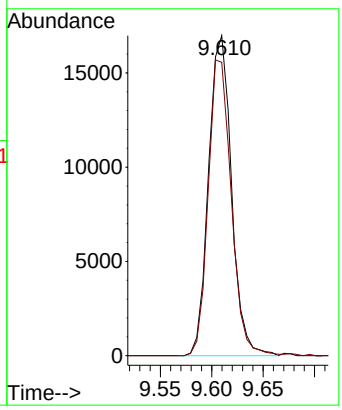


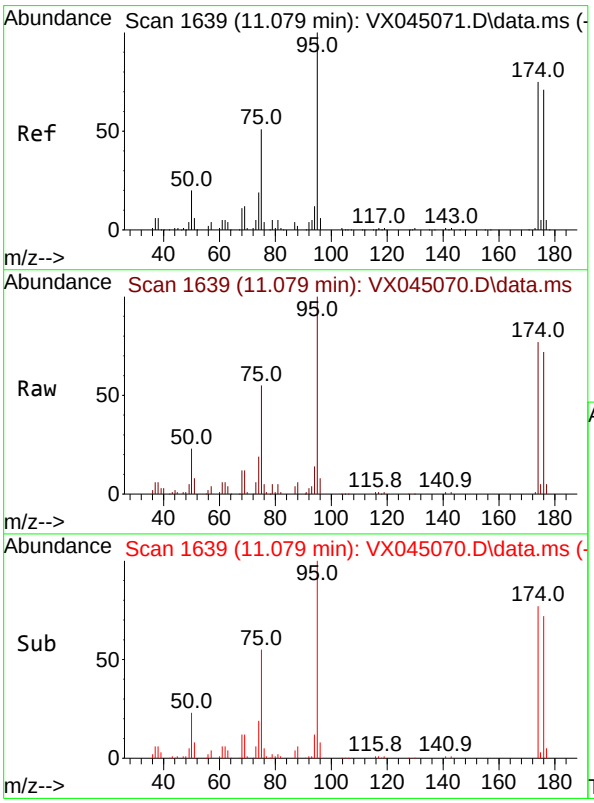
#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 26311

Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1

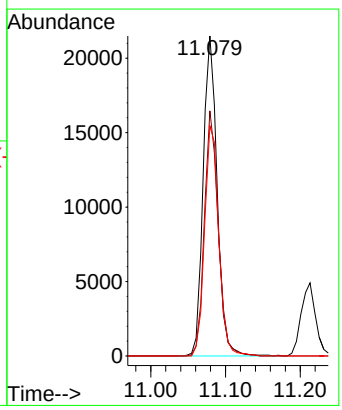


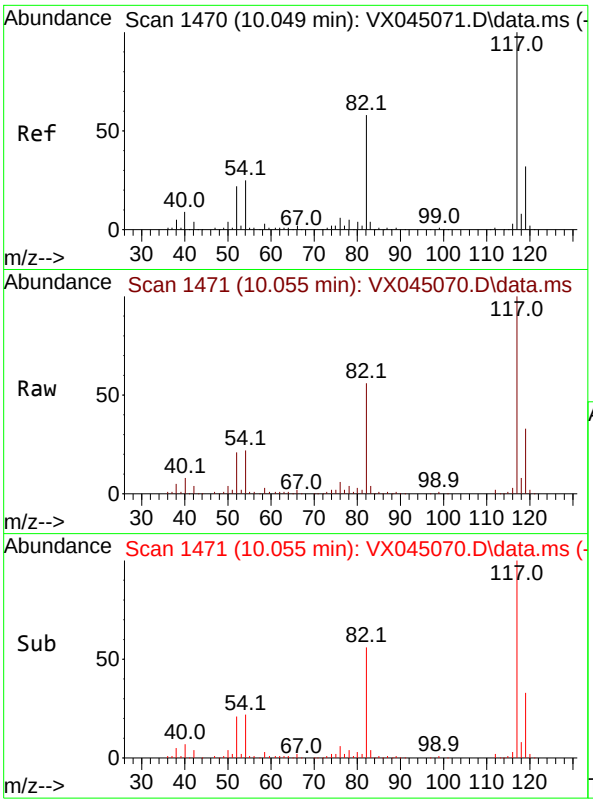


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 95 Resp: 27856

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	148.2
176	72.8	0.0	141.4



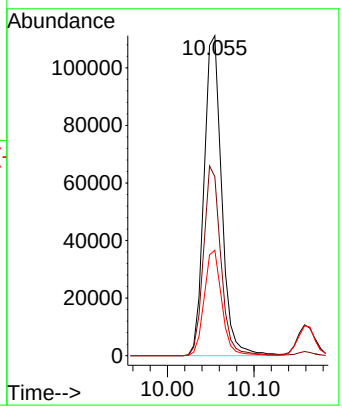


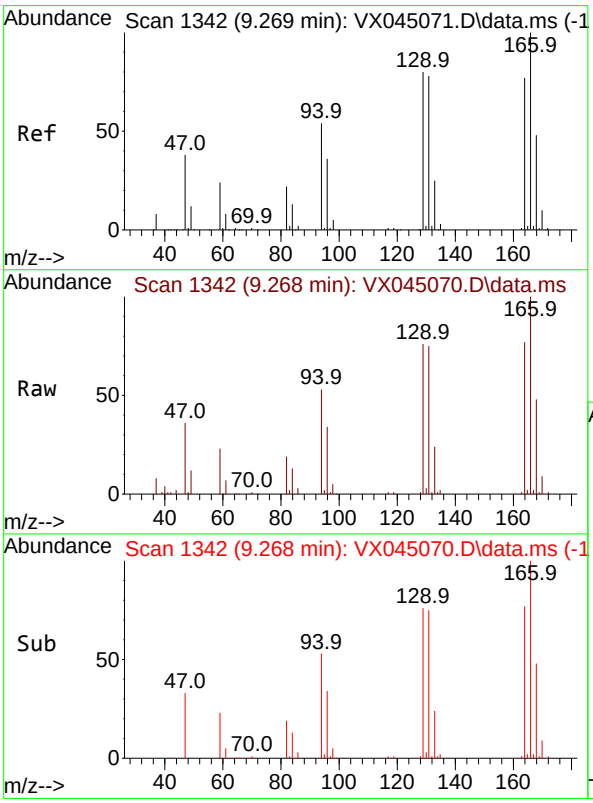
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 157714

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.3	69.5
119	33.0	25.7	38.5

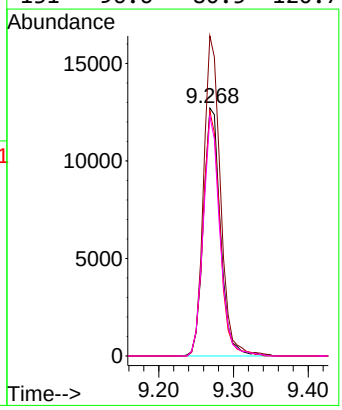


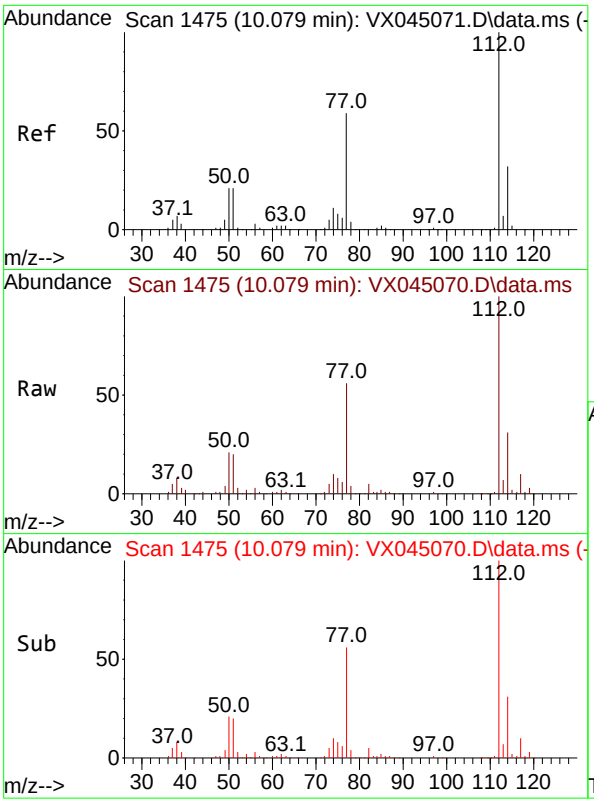


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:164 Resp: 20140

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	98.7	82.7	124.1
131	96.6	80.5	120.7



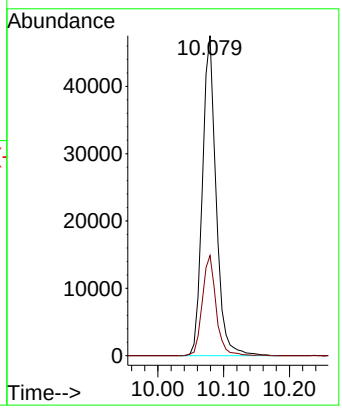


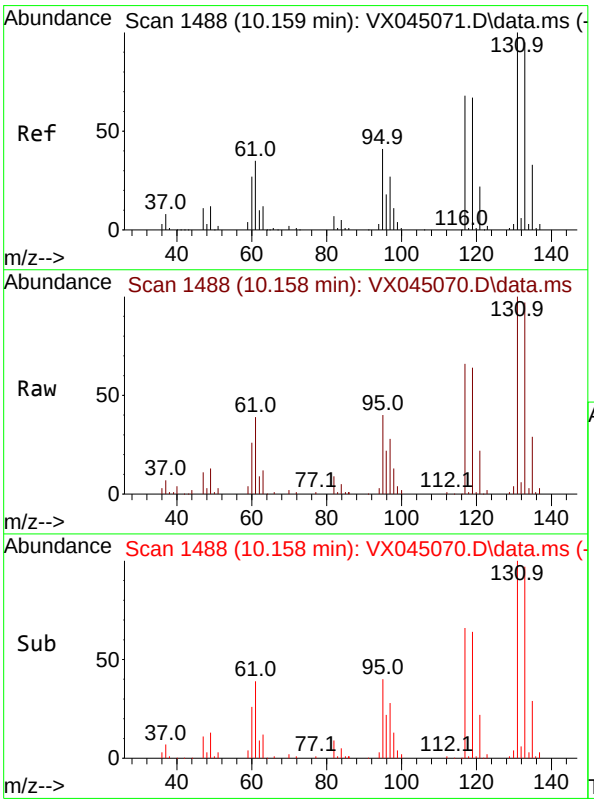
#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 68777

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0

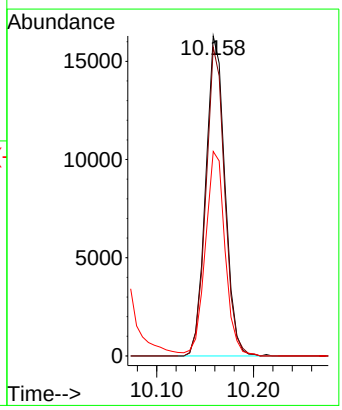


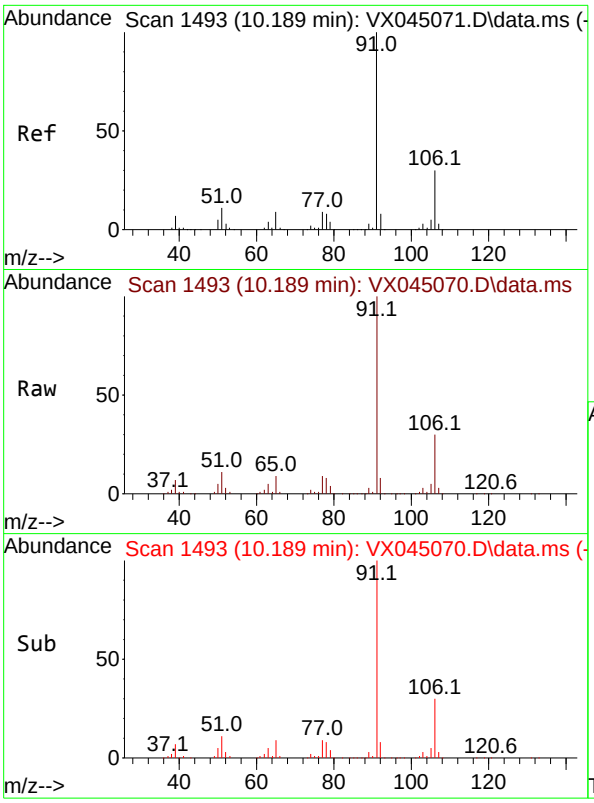


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:131 Resp: 22508

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.6	145.9
119	65.4	33.9	101.7



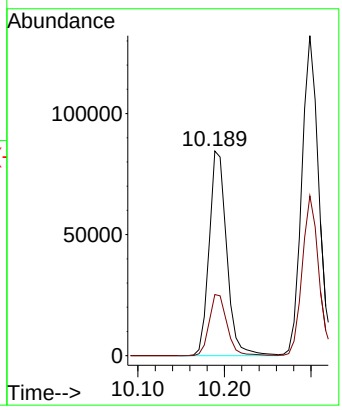


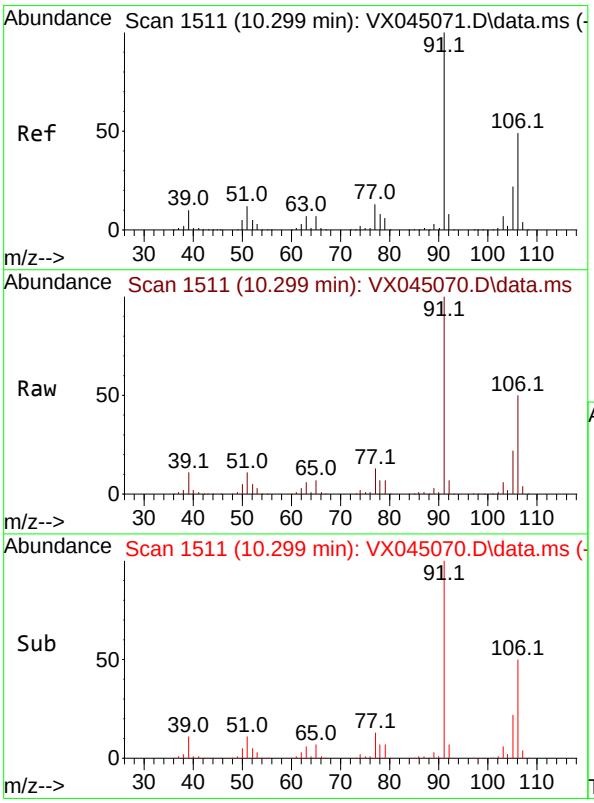
#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 119165

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

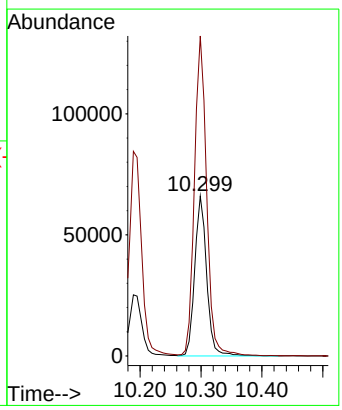


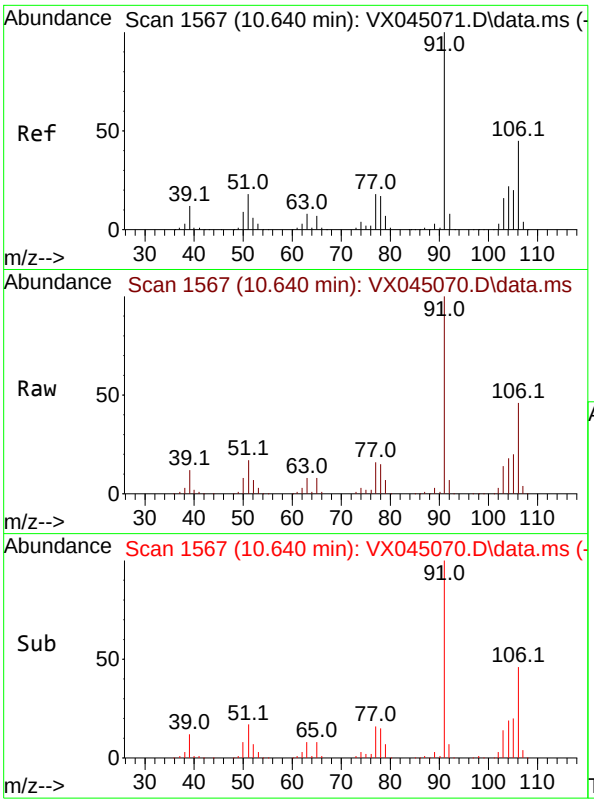


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0



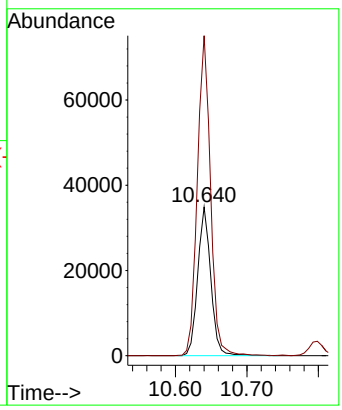


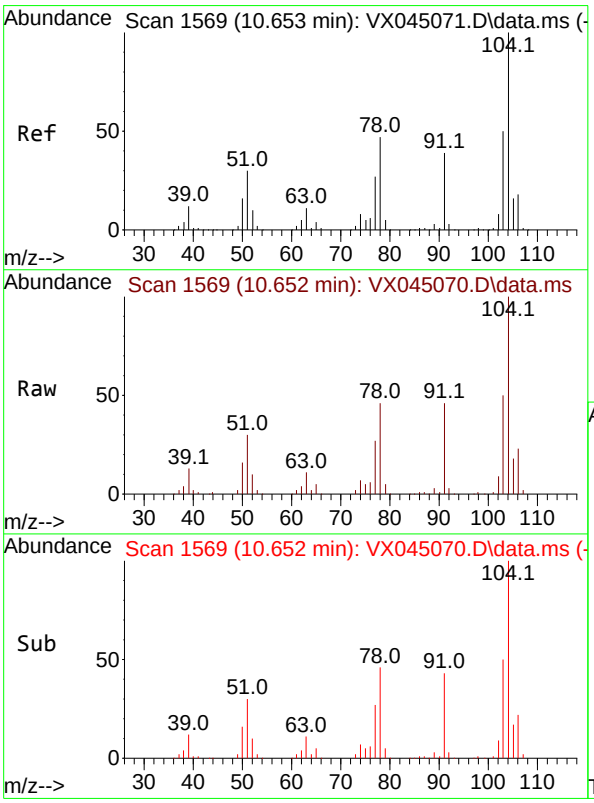
#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 44281

Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6

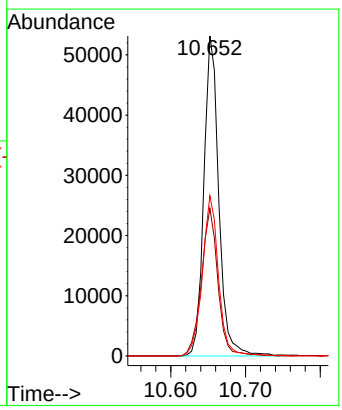


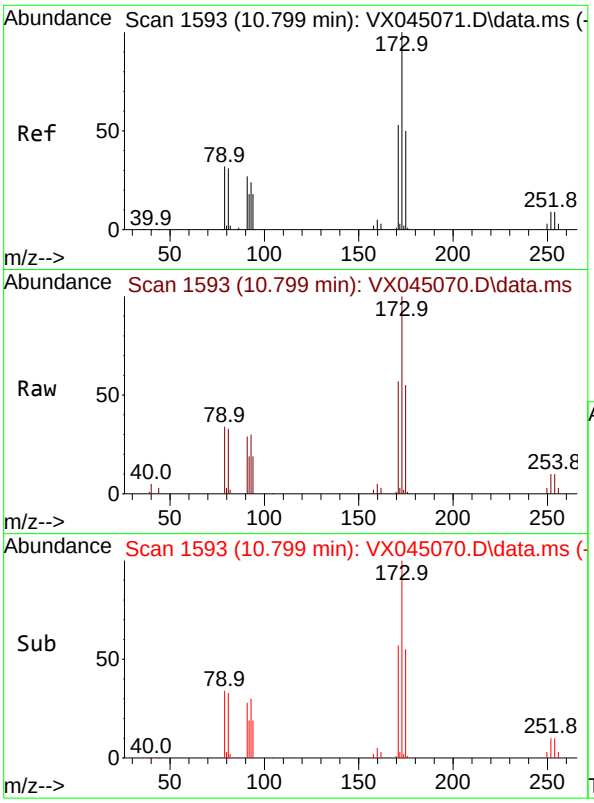


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:104 Resp: 73832

Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.2	63.4
103	54.1	43.8	65.8



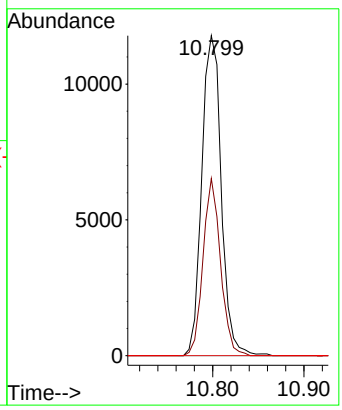


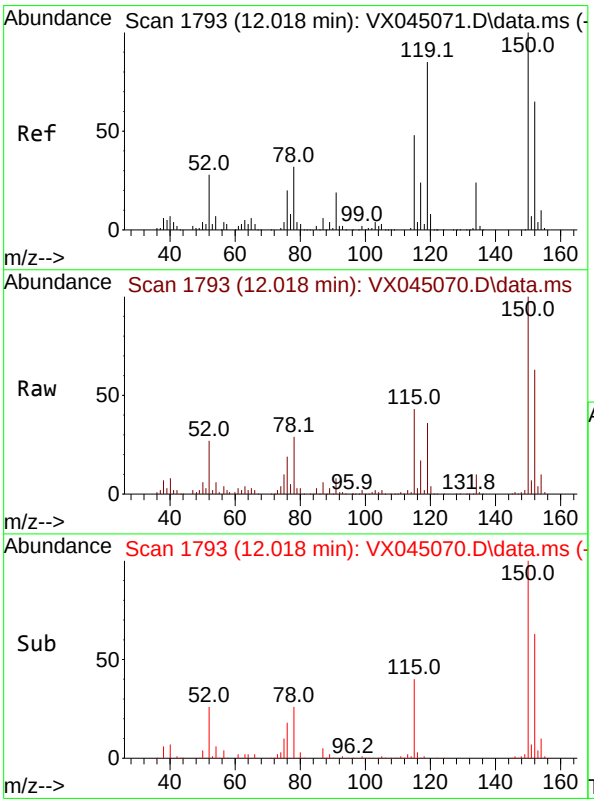
#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 17403

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.6
254	0.0	0.0	0.0

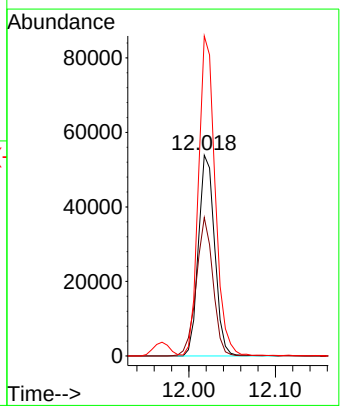


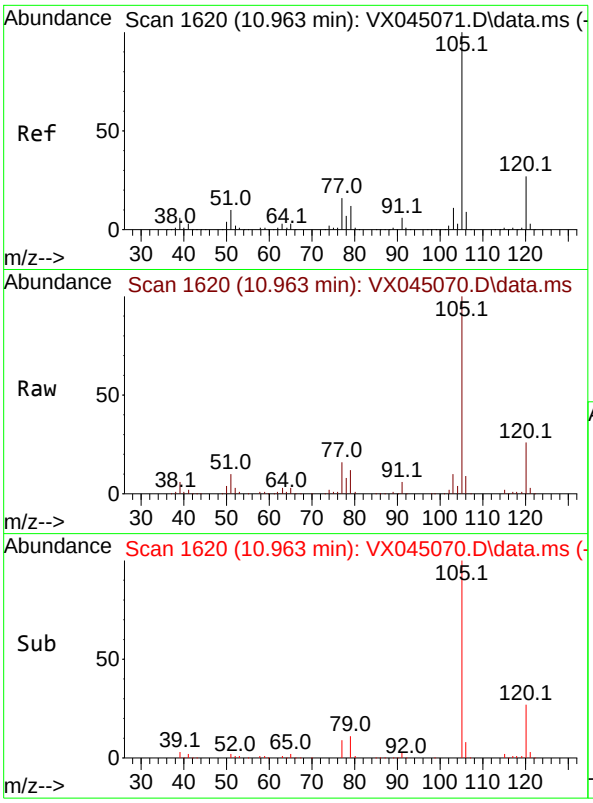


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:152 Resp: 70072

Ion	Ratio	Lower	Upper
152	100		
115	70.9	44.2	132.6
150	163.4	0.0	349.0



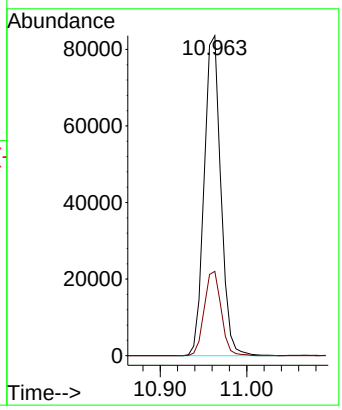


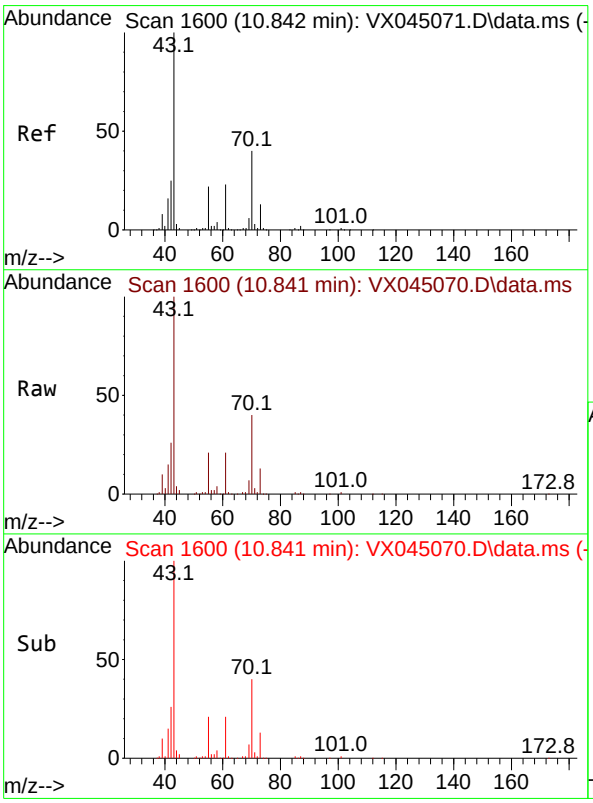
#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 112099

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5

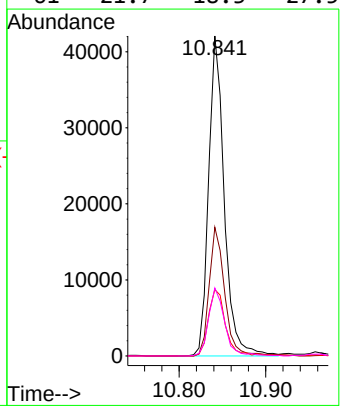


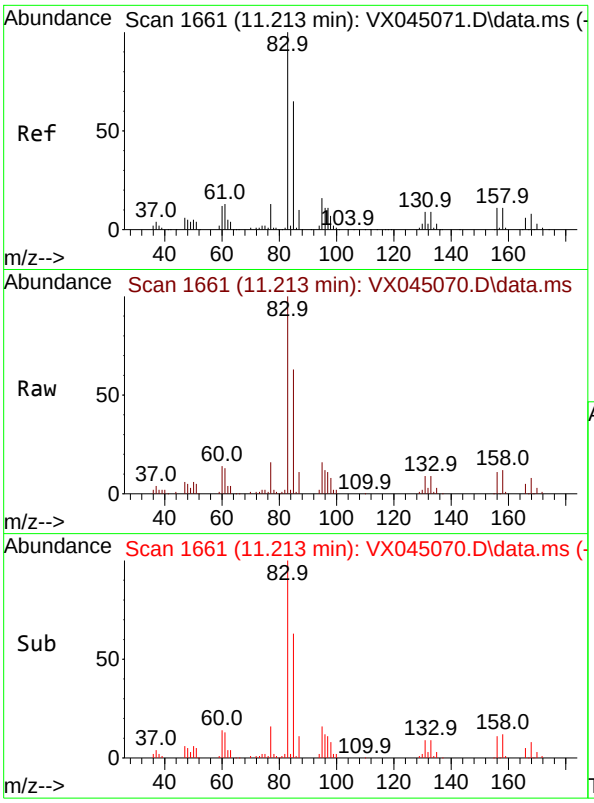


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 52972

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.0	18.3	27.5
61	21.7	18.3	27.5



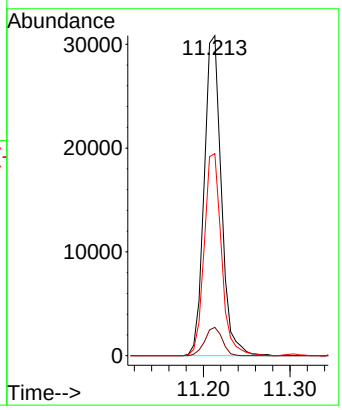


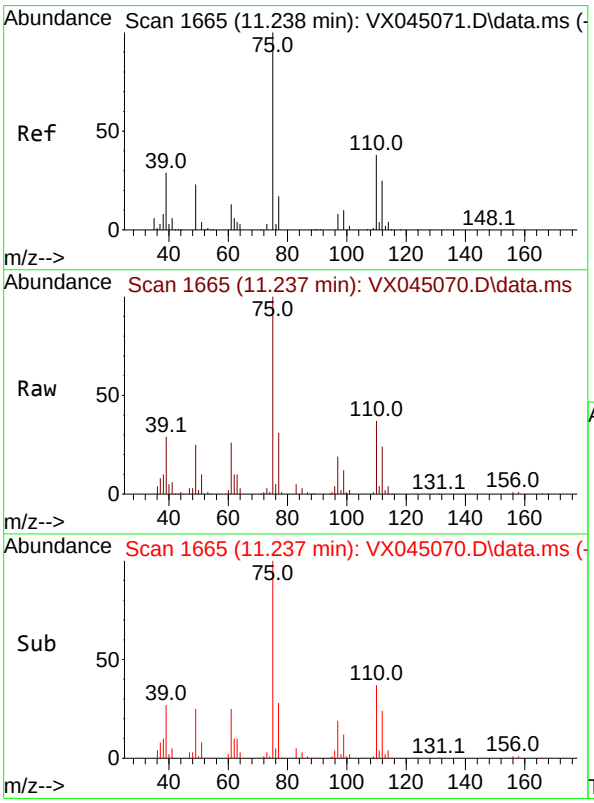
#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 42413

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	63.4	31.7	95.1

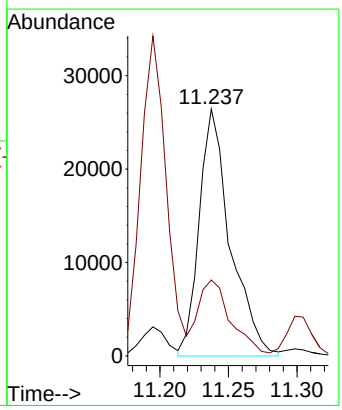


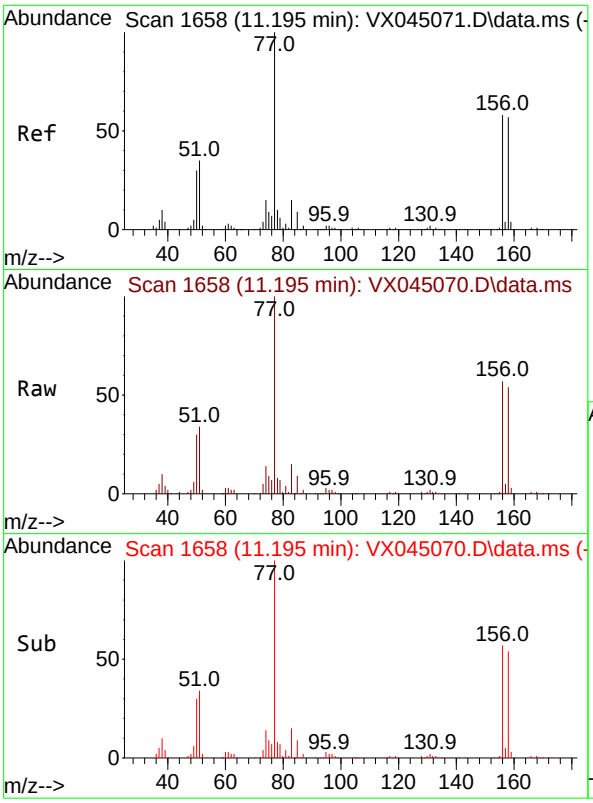


#76
1,2,3-Trichloropropane
Concen: 26.713 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 41754

Ion	Ratio	Lower	Upper
75	100		
77	32.5	20.7	62.1



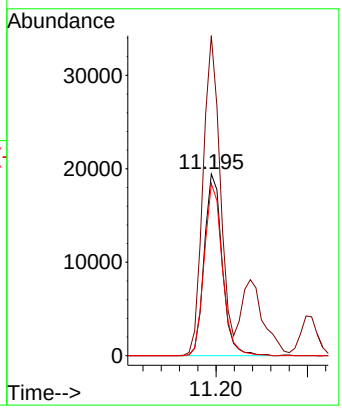


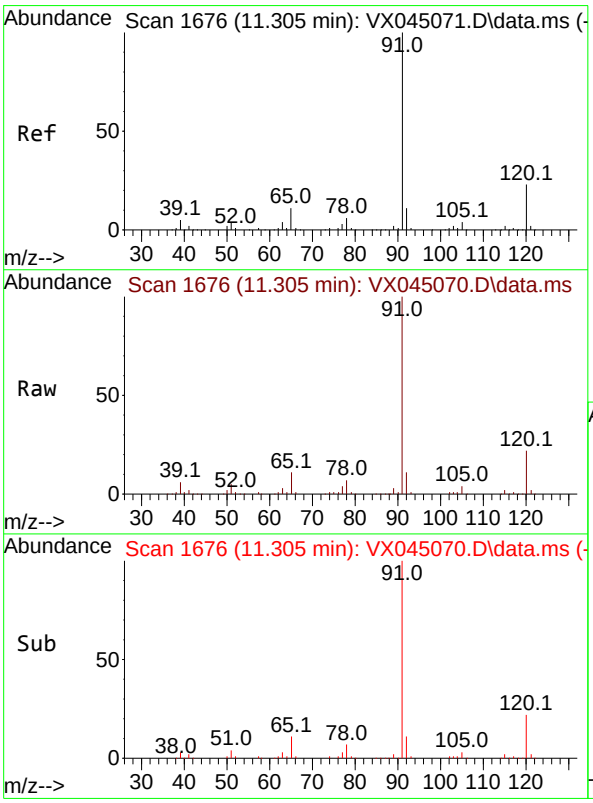
#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 26310

Ion	Ratio	Lower	Upper
156	100		
77	170.2	85.8	257.4
158	95.9	48.4	145.2

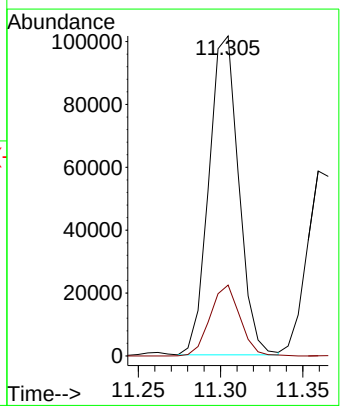


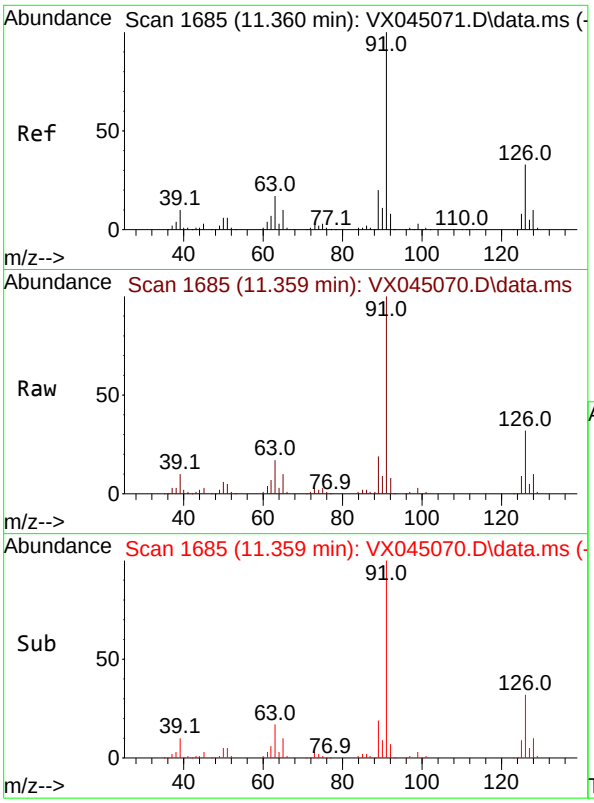


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 128284

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6



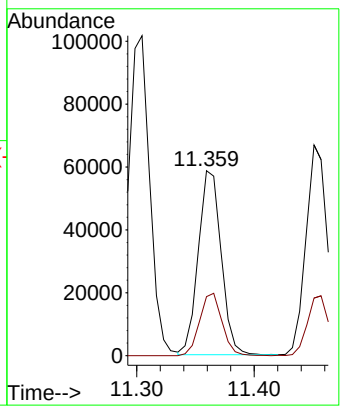


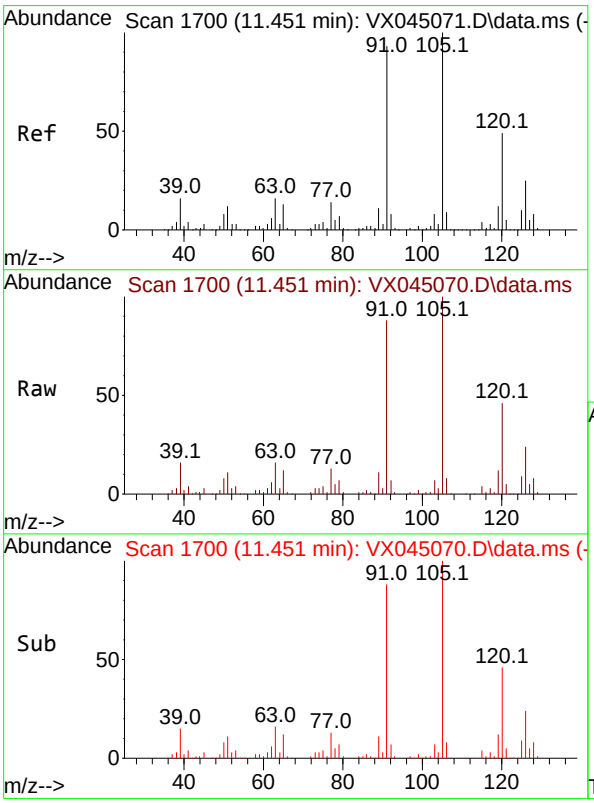
#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 79275

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

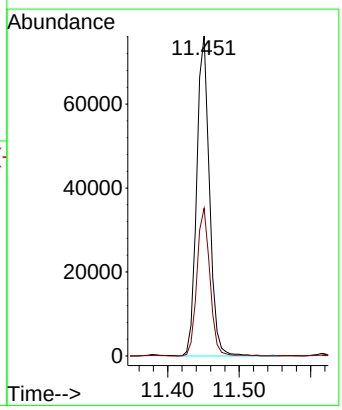


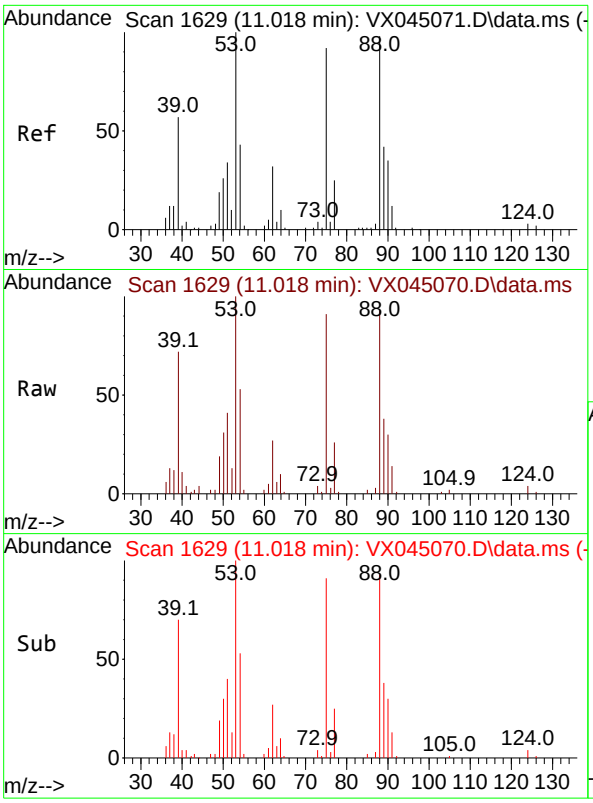


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94545

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2



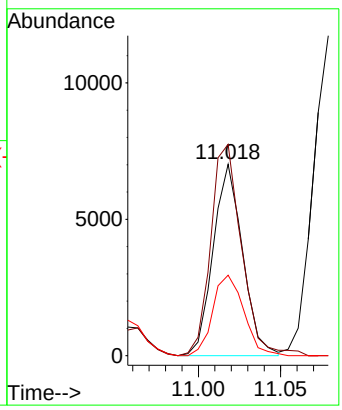


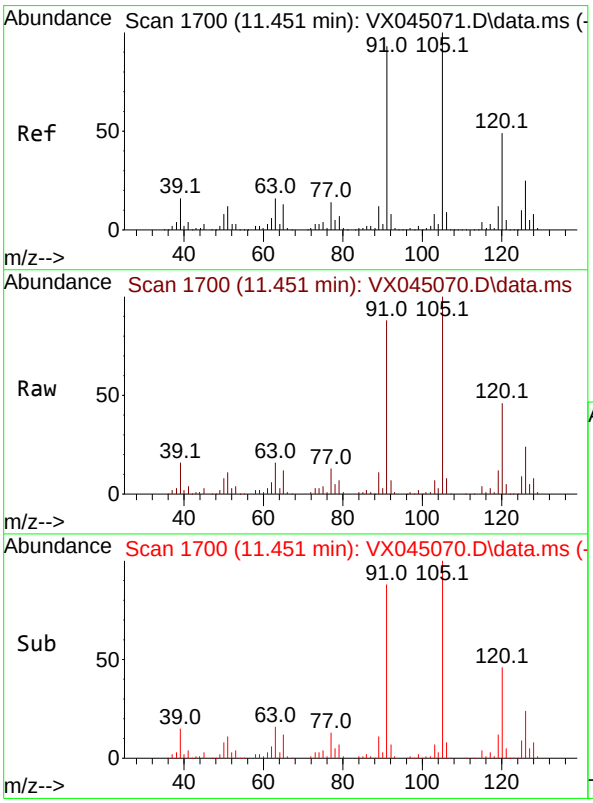
#81
trans-1,4-Dichloro-2-butene
Concen: 15.196 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 8759

Ion	Ratio	Lower	Upper
75	100		
53	115.4	88.5	132.7
89	44.3	36.2	54.4

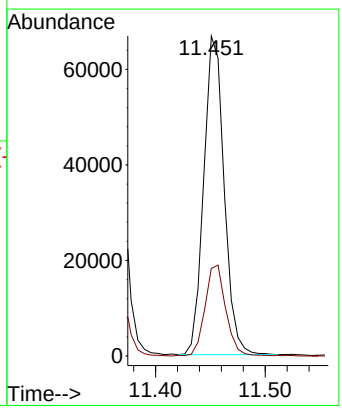


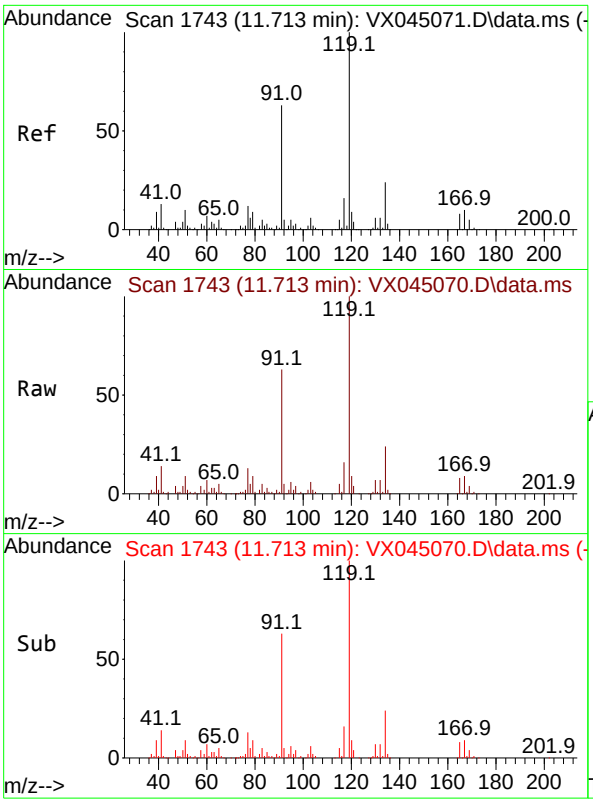


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4



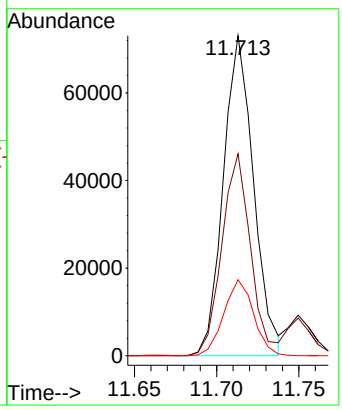


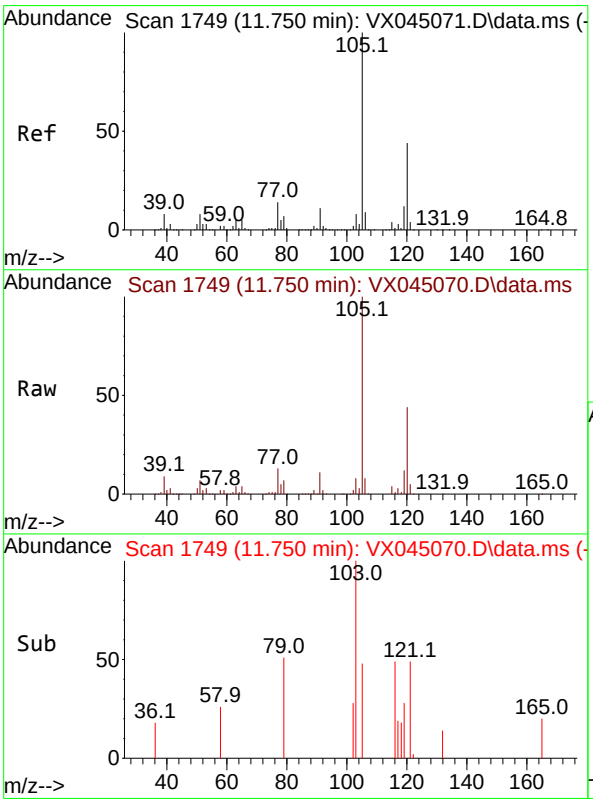
#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 93670

Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	23.4	11.7	35.0

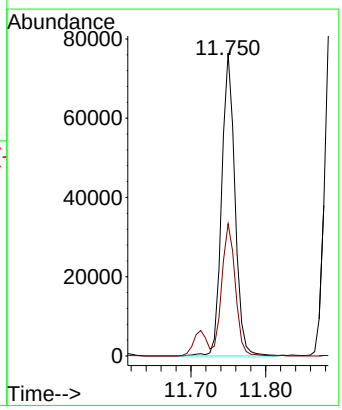


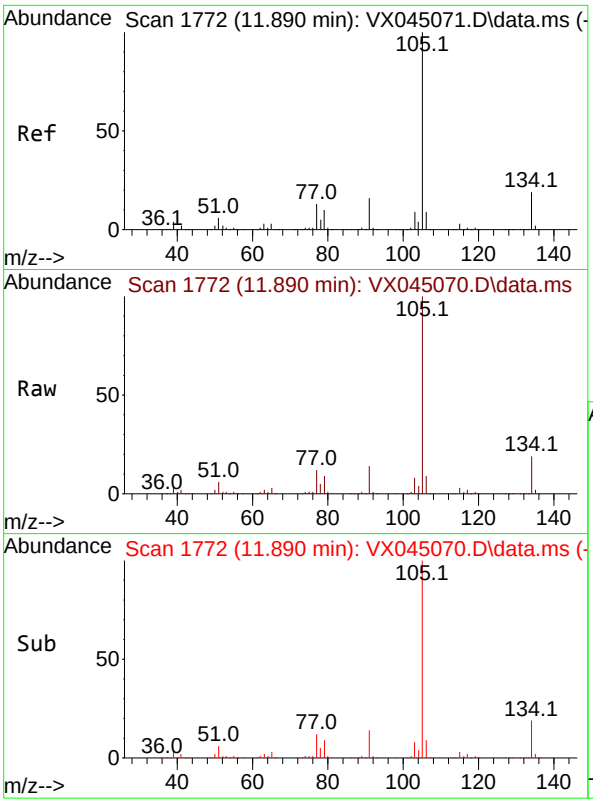


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94734

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



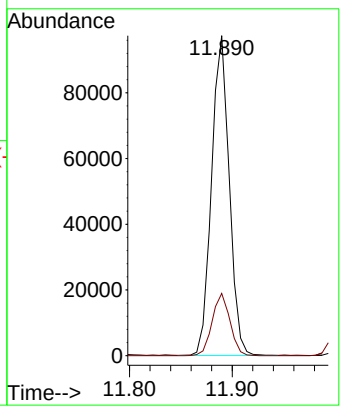


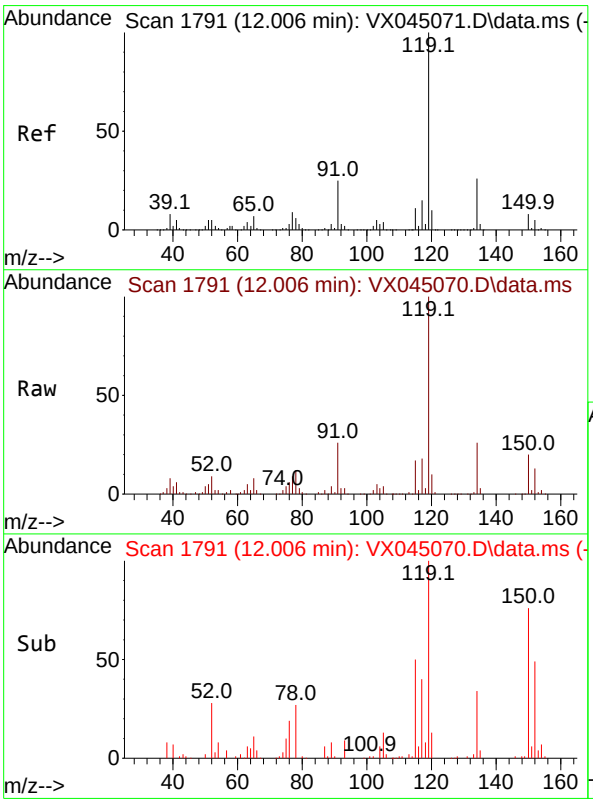
#85
sec-Butylbenzene
Concen: 20.160 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 115953

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

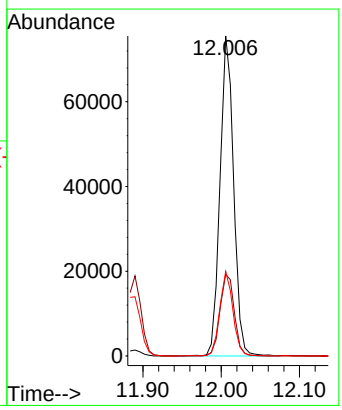


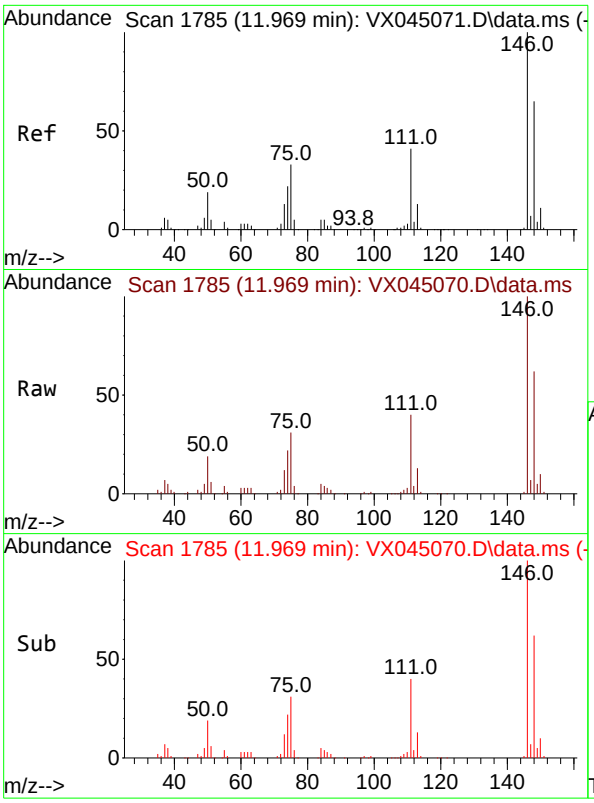


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 91554

Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	25.6	12.7	38.0



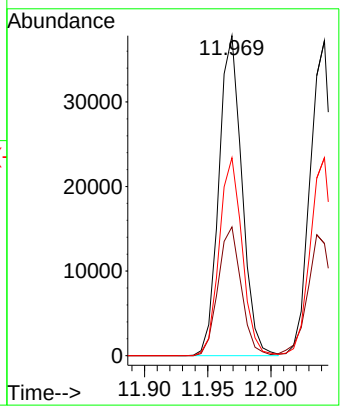


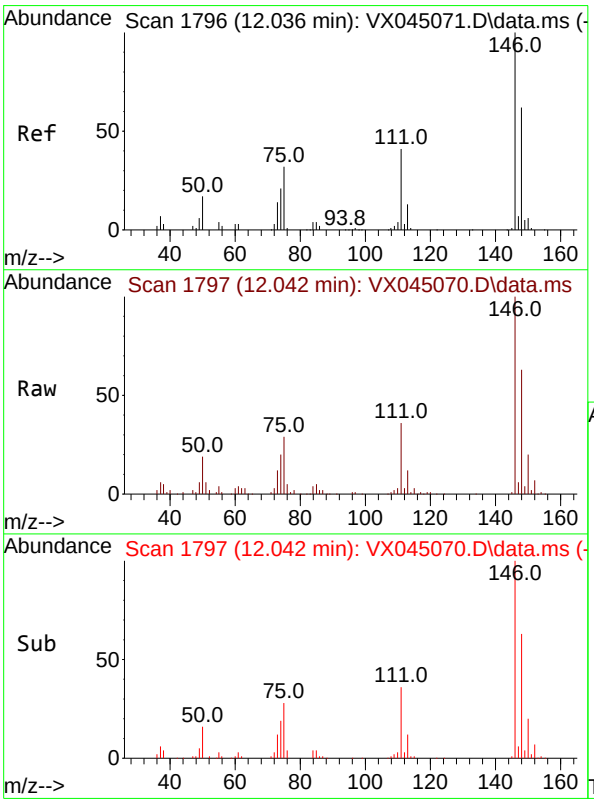
#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 47934

Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.4
148	61.6	31.9	95.7

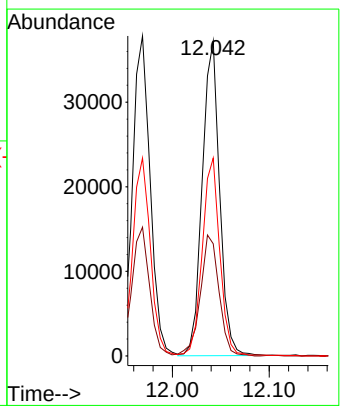


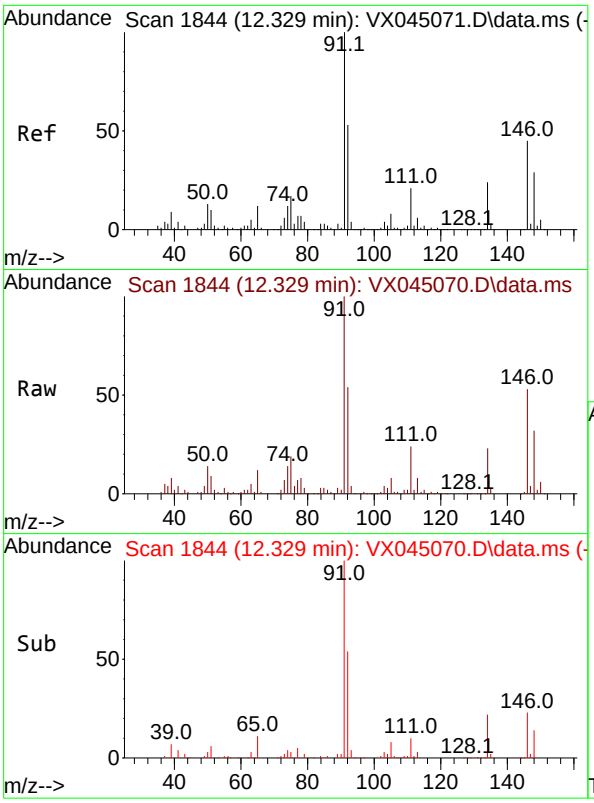


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 46657

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	63.8	31.9	95.9



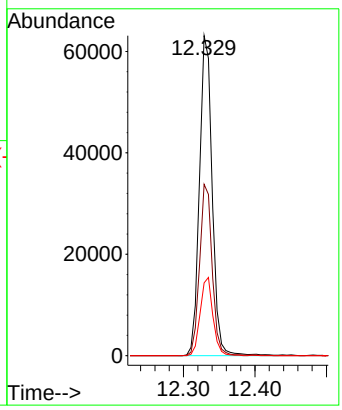


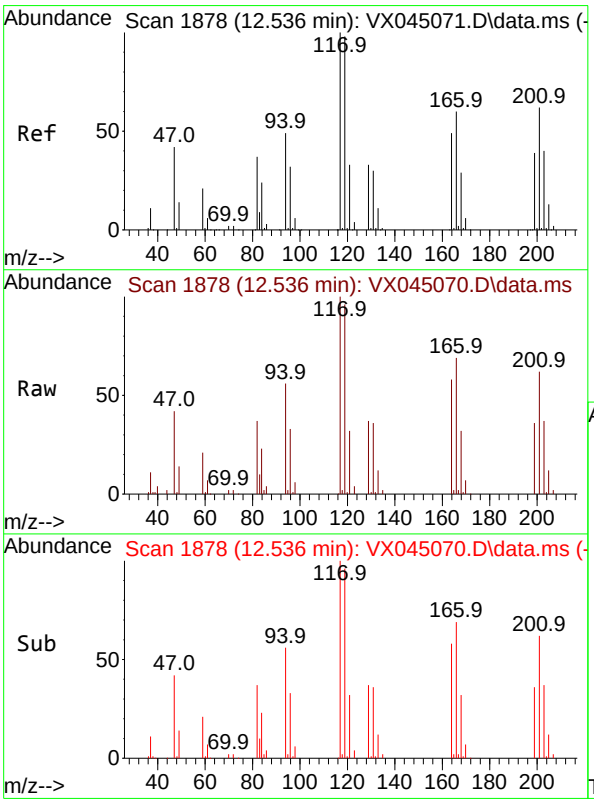
#89
n-Butylbenzene
Concen: 19.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 78135

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	24.3	12.2	36.6

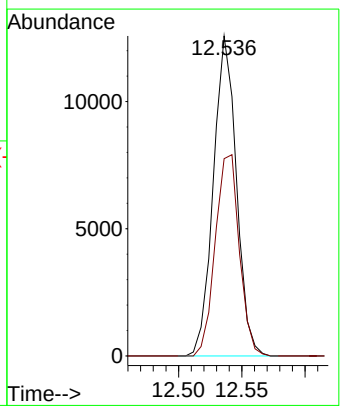


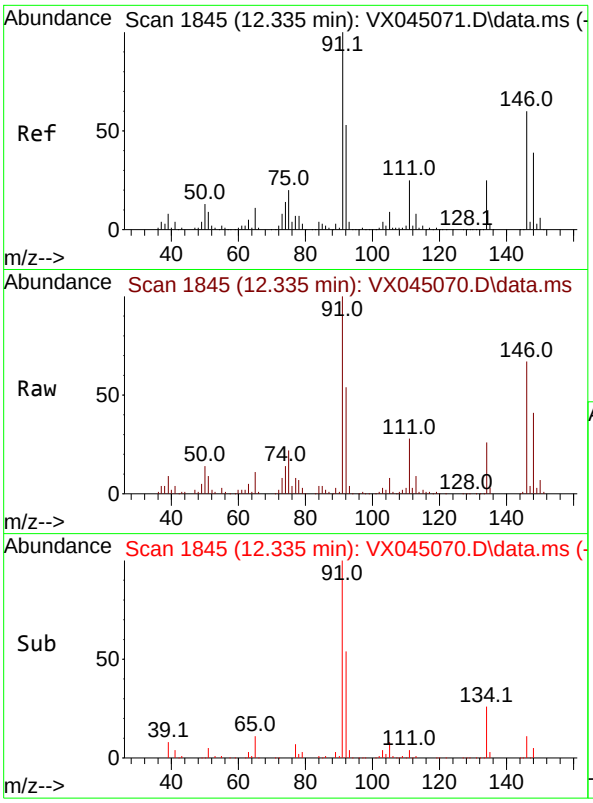


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9



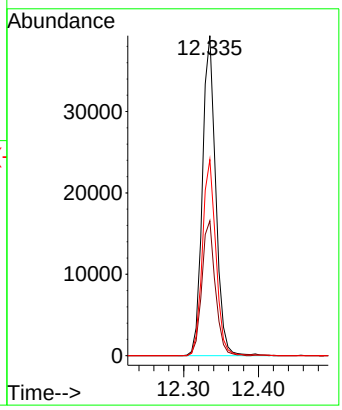


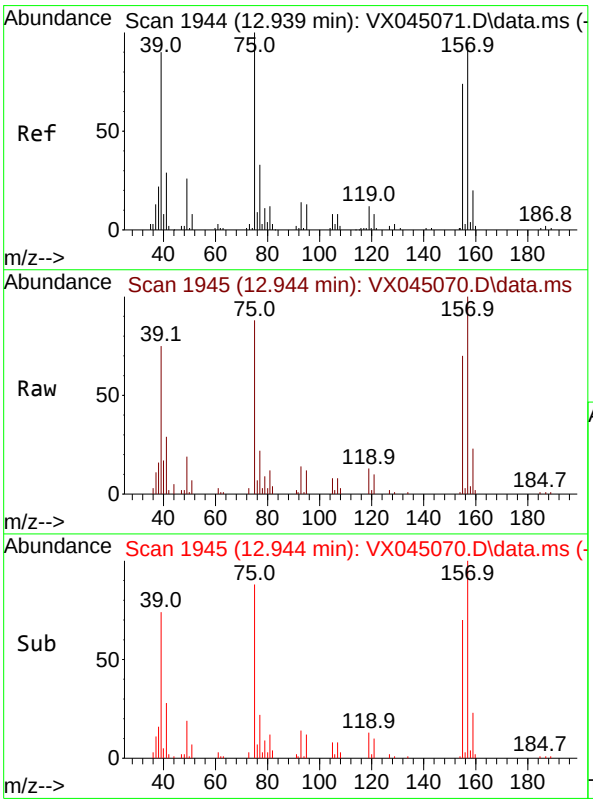
#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 48632

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	62.1	31.9	95.9

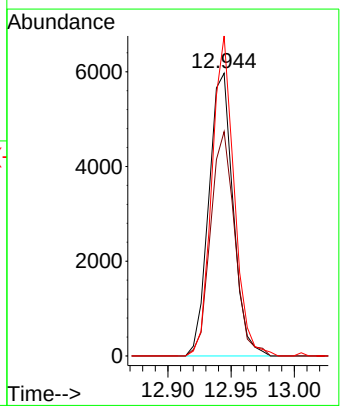


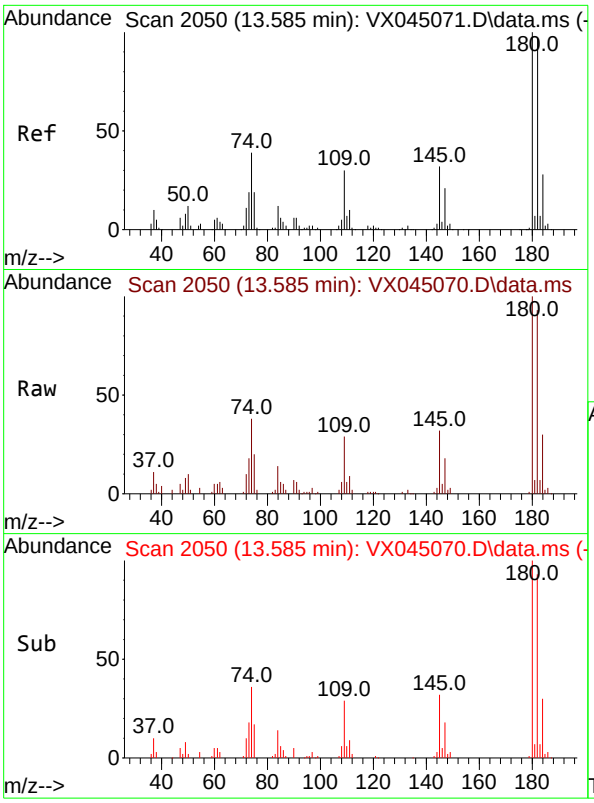


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 7987

Ion	Ratio	Lower	Upper
75	100		
155	78.7	39.6	118.7
157	103.3	51.1	153.4



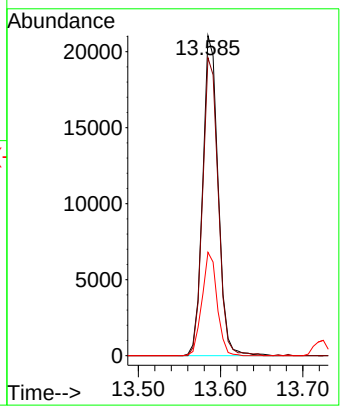


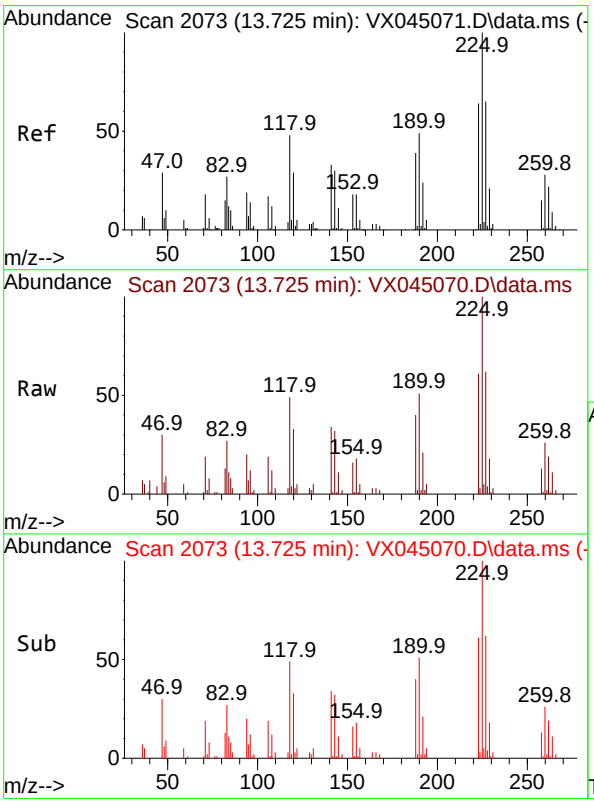
#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 27424

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	31.5	16.3	48.9

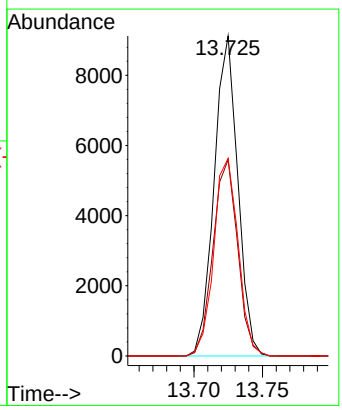


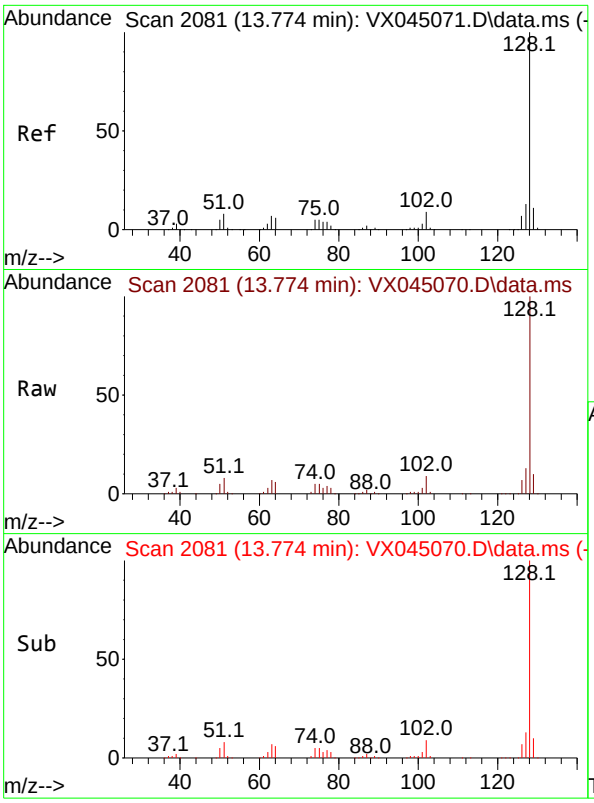


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:225 Resp: 10934

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.7	31.4	94.0



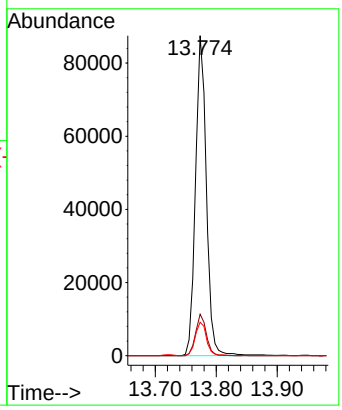


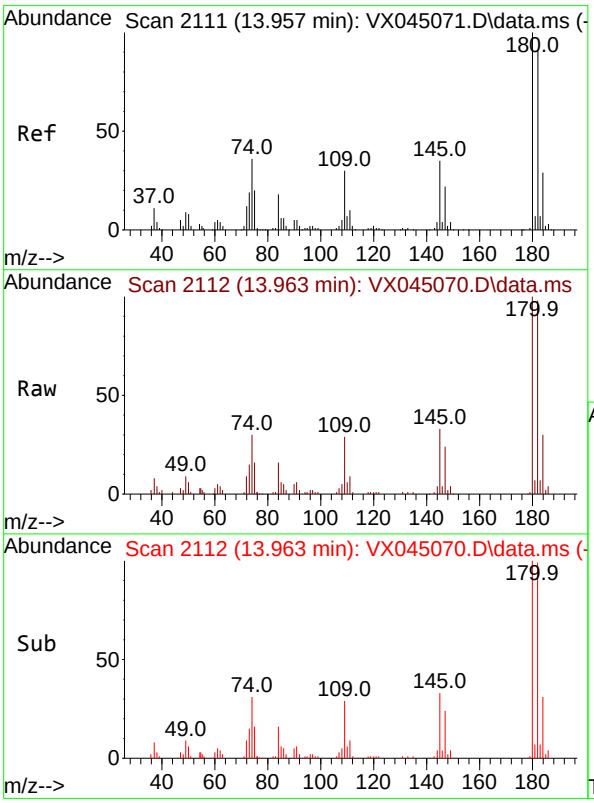
#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 108350

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

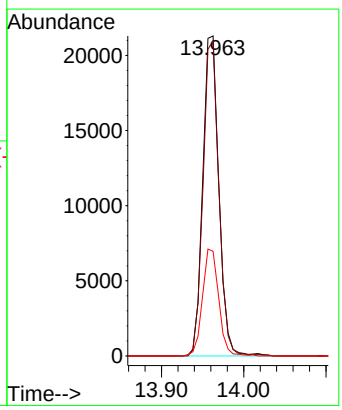




#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 28937

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	33.7	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	103235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78159	51.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.385	113	61323	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.647	98	225493	49.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	49.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64743	45.502	ug/l	100
3) Chloromethane	1.307	50	77729	44.894	ug/l	100
4) Vinyl Chloride	1.374	62	78524	46.434	ug/l	100
5) Bromomethane	1.593	94	30169	57.066	ug/l	100
6) Chloroethane	1.660	64	38461	59.750	ug/l	100
7) Trichlorofluoromethane	1.868	101	108411	50.047	ug/l	100
8) Diethyl Ether	2.136	74	40001	50.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61312	47.399	ug/l	100
10) Methyl Iodide	2.441	142	79357	47.854	ug/l	100
11) Tert butyl alcohol	2.983	59	69139	247.496	ug/l	100
12) 1,1-Dichloroethene	2.307	96	64327	48.434	ug/l	100
13) Acrolein	2.233	56	89603	296.189	ug/l	100
14) Allyl chloride	2.654	41	114313	47.875	ug/l	100
15) Acrylonitrile	3.062	53	211455	278.519	ug/l	100
16) Acetone	2.386	43	181429	289.130	ug/l	100
17) Carbon Disulfide	2.502	76	171353	47.419	ug/l	100
18) Methyl Acetate	2.703	43	89508	47.359	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	215043	50.642	ug/l	100
20) Methylene Chloride	2.782	84	72081	48.500	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	65093	49.832	ug/l	100
22) Diisopropyl ether	3.764	45	236563	51.816	ug/l	100
23) Vinyl Acetate	3.721	43	1018631	271.773	ug/l	100
24) 1,1-Dichloroethane	3.605	63	128235	50.270	ug/l	100
25) 2-Butanone	4.562	43	298785	295.330	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61631	32.498	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78657	49.955	ug/l	100
28) Bromochloromethane	4.898	49	62299	50.643	ug/l	100
29) Tetrahydrofuran	5.007	42	192607	287.345	ug/l	100
30) Chloroform	5.087	83	128581	51.532	ug/l	100
31) Cyclohexane	5.464	56	114333	48.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	105671	50.306	ug/l	100
36) 1,1-Dichloropropene	5.690	75	87338	49.861	ug/l	100
37) Ethyl Acetate	4.715	43	112892	56.641	ug/l	100
38) Carbon Tetrachloride	5.672	117	87123	50.593	ug/l	100
39) Methylcyclohexane	7.373	83	108974	48.715	ug/l	100
40) Benzene	6.031	78	278802	50.925	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63454	59.598	ug/l		100
42) 1,2-Dichloroethane	6.080	62	98340	55.428	ug/l		100
43) Isopropyl Acetate	6.342	43	173045	54.544	ug/l		100
44) Trichloroethene	7.123	130	63513	50.756	ug/l		100
45) 1,2-Dichloropropane	7.428	63	69128	50.808	ug/l		100
46) Dibromomethane	7.580	93	50143	52.757	ug/l		100
47) Bromodichloromethane	7.818	83	97729	53.153	ug/l		100
48) Methyl methacrylate	7.690	41	86231	57.256	ug/l		100
49) 1,4-Dioxane	7.659	88	35053	1095.003	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	568737	292.570	ug/l		100
52) Toluene	8.714	92	167431	51.505	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87373	48.078	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	99713	49.079	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	66379	52.724	ug/l		100
56) Ethyl methacrylate	9.116	69	106157	52.724	ug/l		100
57) 1,3-Dichloropropane	9.305	76	115488	52.594	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	264555	267.612	ug/l		100
59) 2-Hexanone	9.427	43	416984	297.362	ug/l		100
60) Dibromochloromethane	9.519	129	71569	53.284	ug/l		100
61) 1,2-Dibromoethane	9.604	107	66312	52.217	ug/l		100
64) Tetrachloroethene	9.269	164	52531	51.021	ug/l		100
65) Chlorobenzene	10.079	112	176922	50.853	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57642	51.402	ug/l		100
67) Ethyl Benzene	10.189	91	316427	51.431	ug/l		100
68) m/p-Xylenes	10.299	106	234554	103.515	ug/l		100
69) o-Xylene	10.640	106	114440	50.341	ug/l		100
70) Styrene	10.653	104	191406	52.387	ug/l		100
71) Bromoform	10.799	173	44730	53.645	ug/l	#	100
73) Isopropylbenzene	10.963	105	294694	51.167	ug/l		100
74) N-amyl acetate	10.842	43	140869	53.881	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101089	50.945	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	103161	64.894	ug/l		86
77) Bromobenzene	11.195	156	66904	51.173	ug/l		100
78) n-propylbenzene	11.305	91	342399	51.546	ug/l		100
79) 2-Chlorotoluene	11.360	91	204484	50.154	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	241129	51.613	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24135	41.172	ug/l		100
82) 4-Chlorotoluene	11.451	91	230493	51.072	ug/l		100
83) tert-Butylbenzene	11.713	119	240510	50.895	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	240719	52.326	ug/l		100
85) sec-Butylbenzene	11.890	105	300393	51.353	ug/l		100
86) p-Isopropyltoluene	12.006	119	244031	51.964	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	118879	49.747	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	120217	49.694	ug/l		100
89) n-Butylbenzene	12.329	91	214685	52.006	ug/l		100
90) Hexachloroethane	12.536	117	43086	49.188	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	118896	50.557	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	56.123	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	71897	50.571	ug/l		100
94) Hexachlorobutadiene	13.725	225	27916	49.245	ug/l		100
95) Naphthalene	13.774	128	278086	53.700	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75482	52.406	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

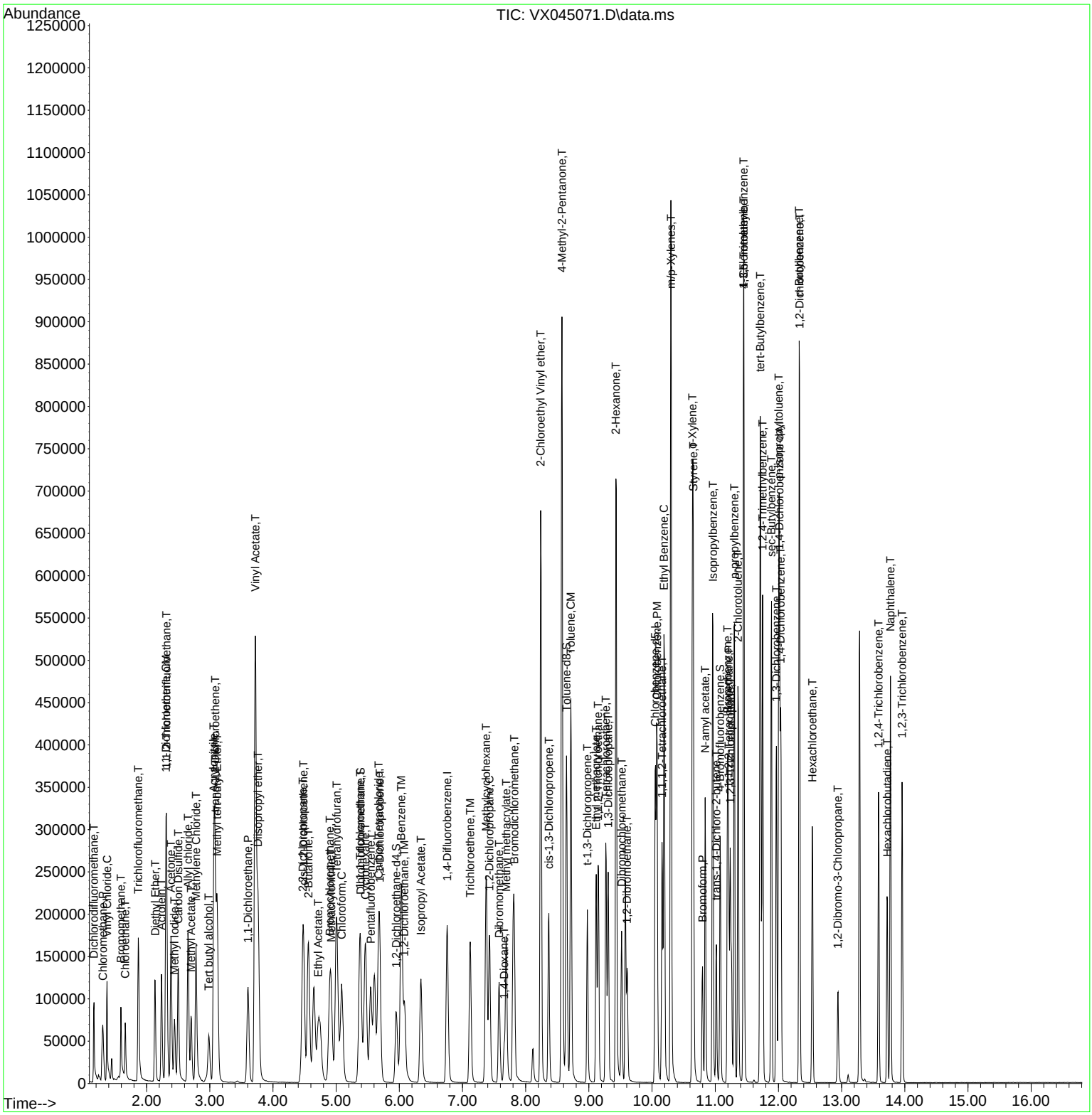
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

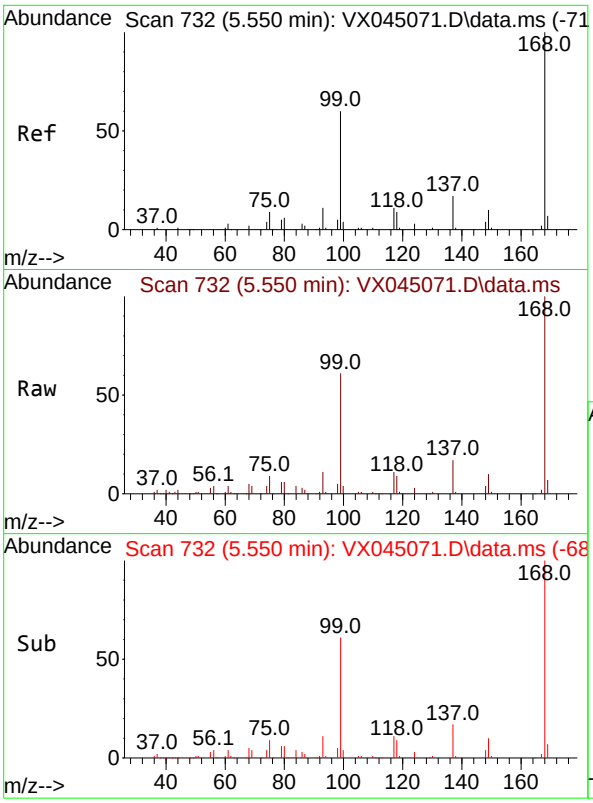
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



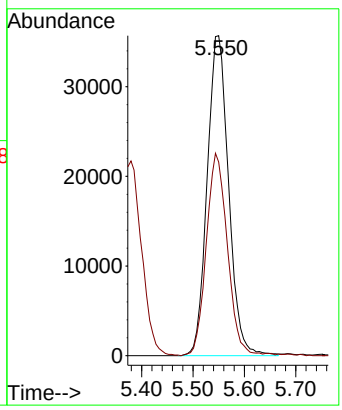


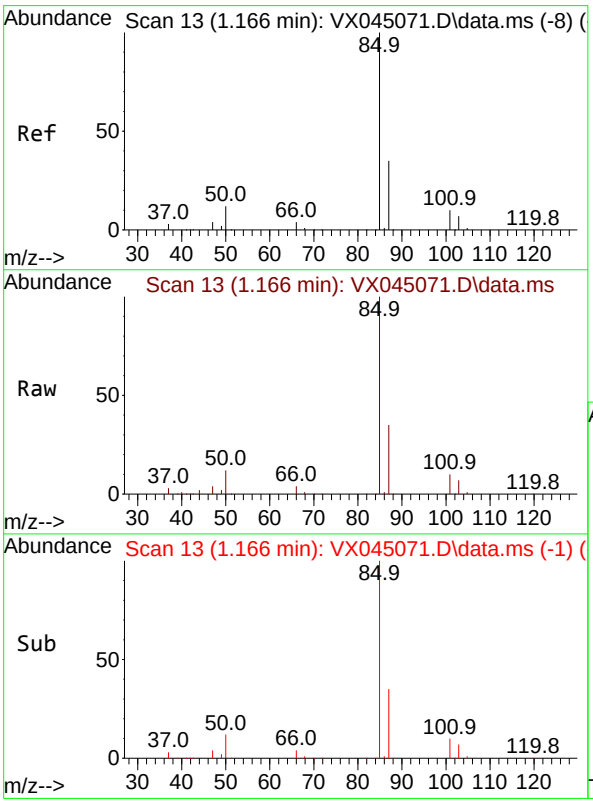
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 103235

Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4

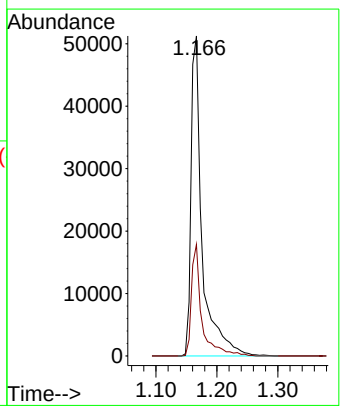


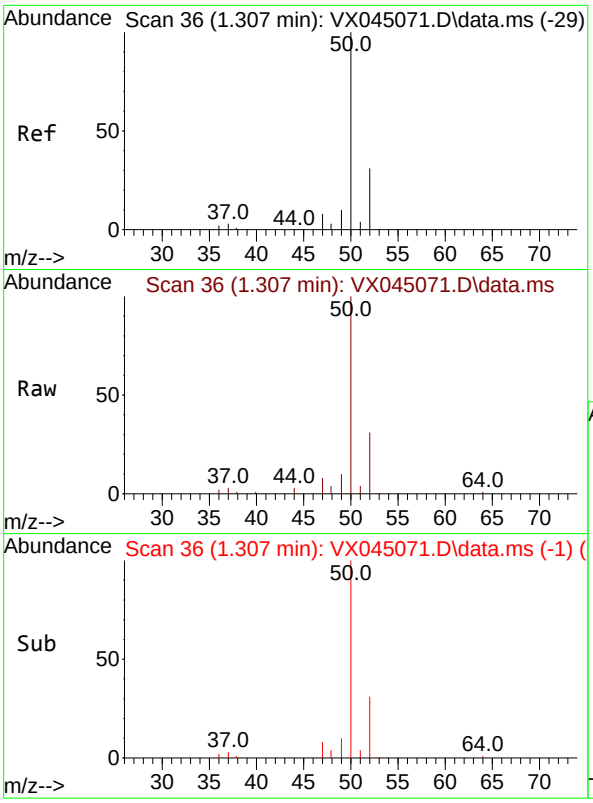


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3



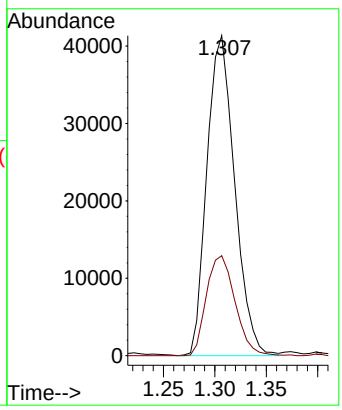


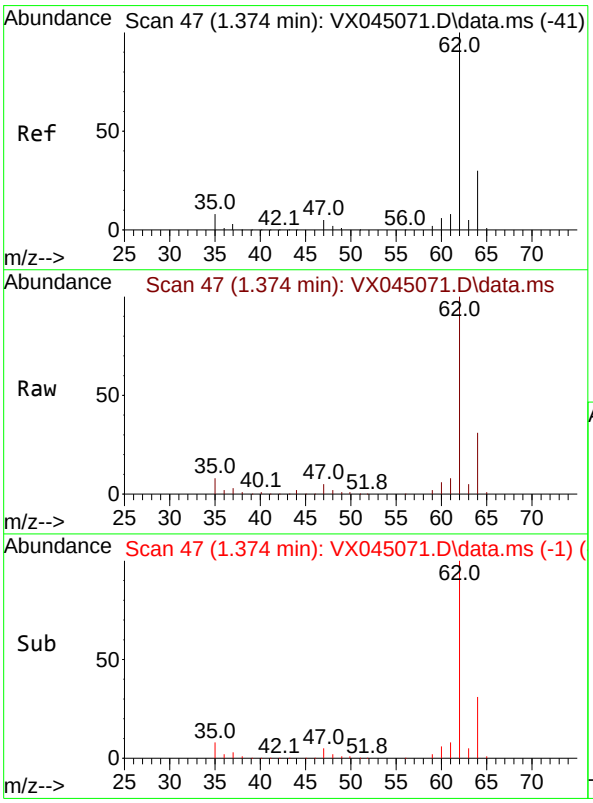
#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 77729

Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4

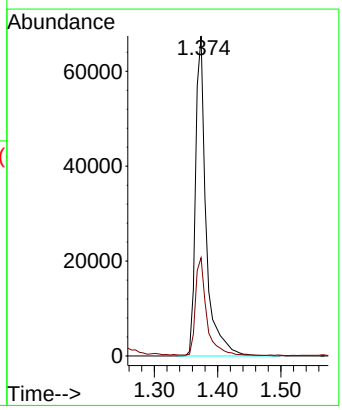


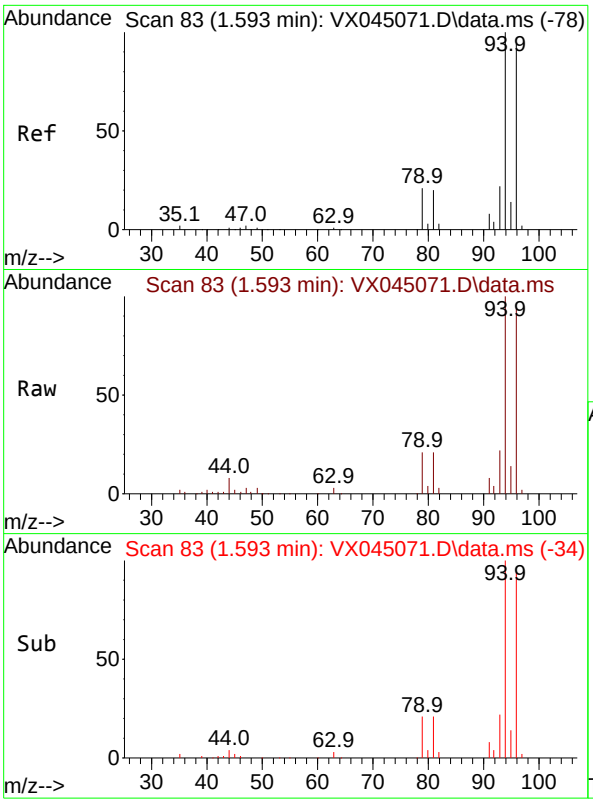


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5



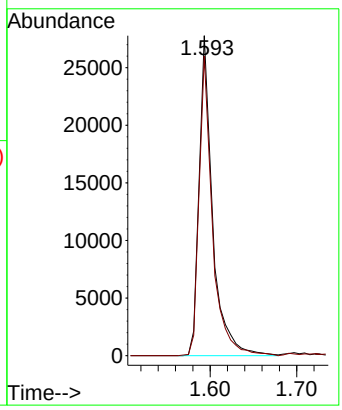


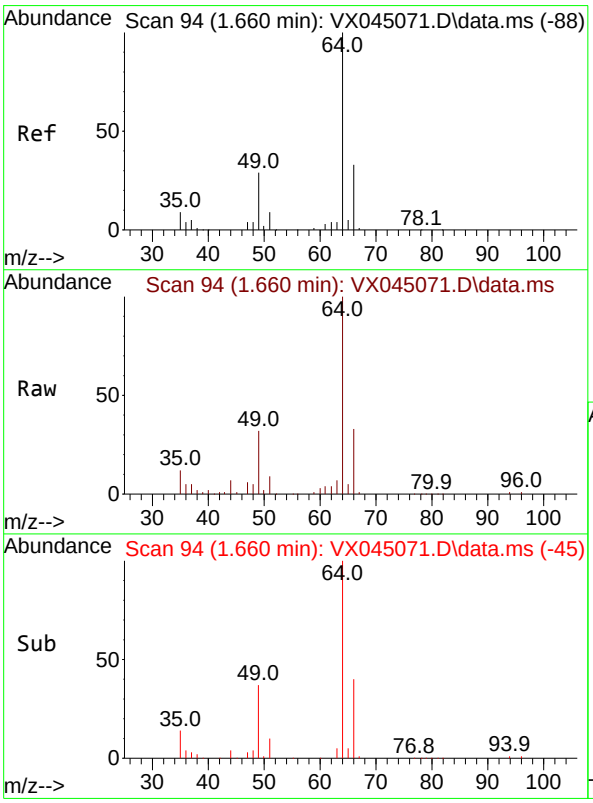
#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 30169

Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4

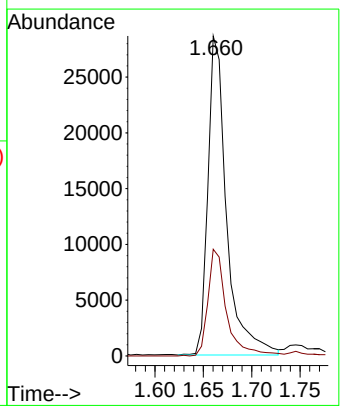


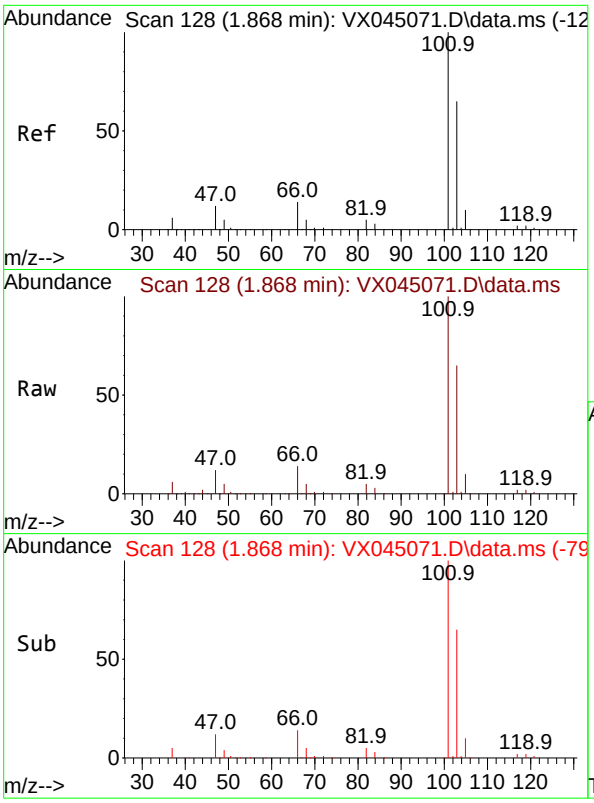


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 64 Resp: 38461

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1



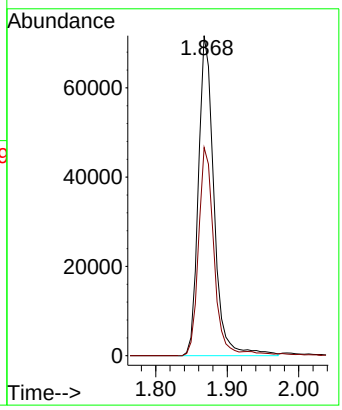


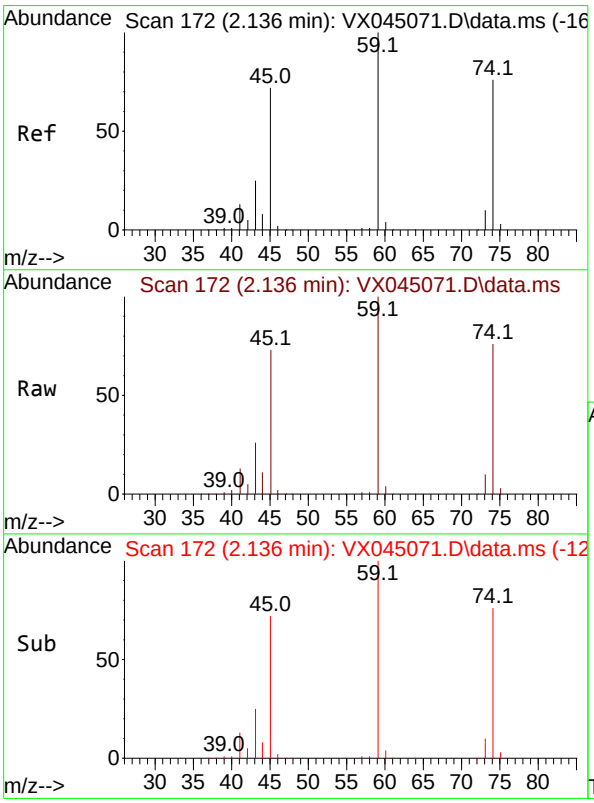
#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 108411

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

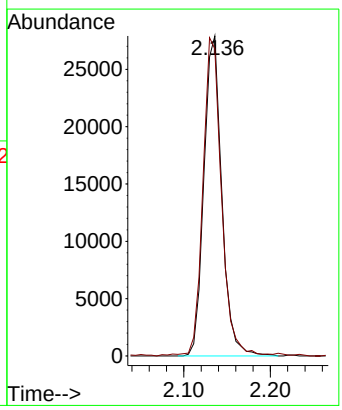


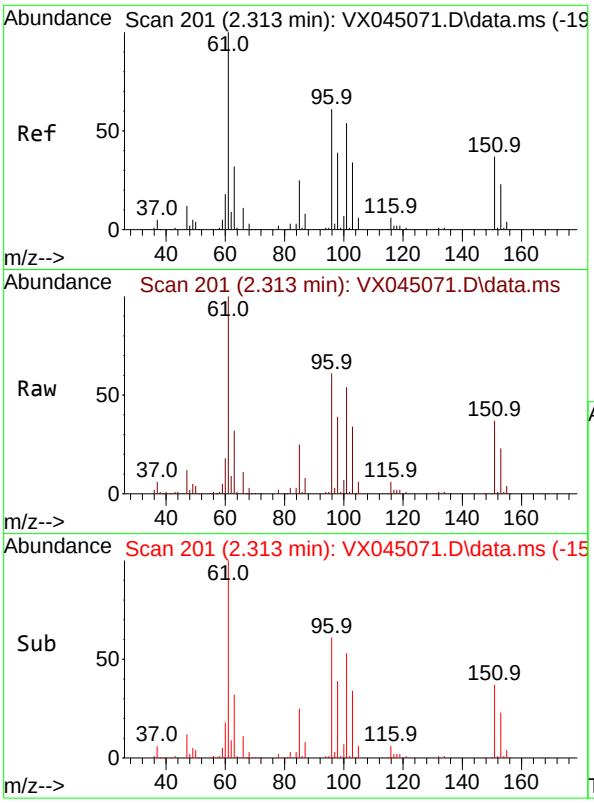


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 74 Resp: 40001

Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.5	154.5



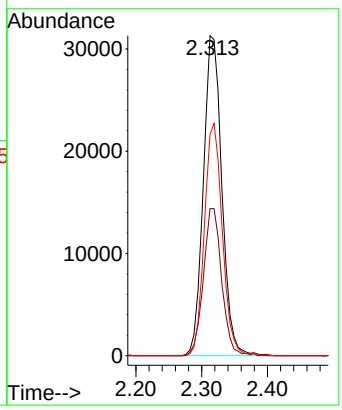


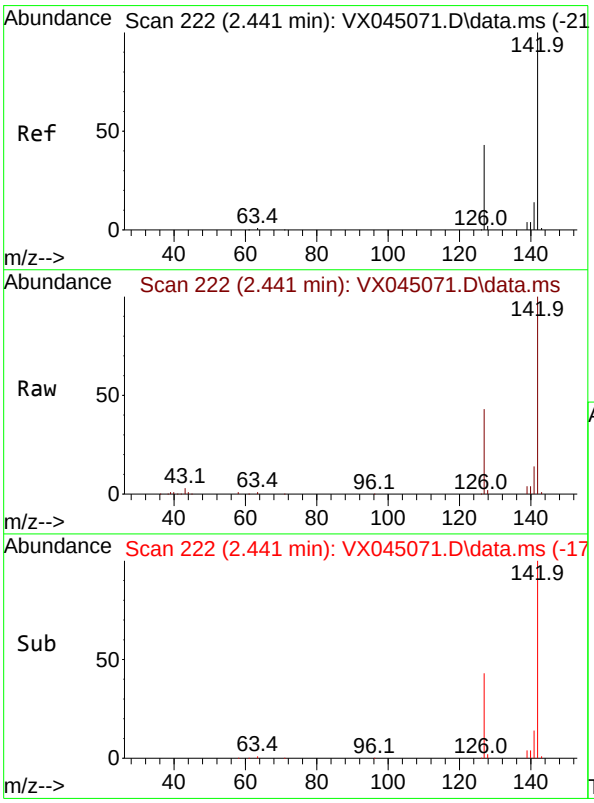
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.399 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 61312

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

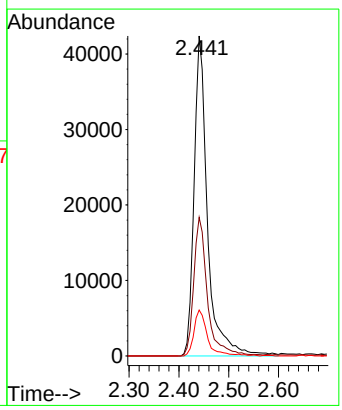


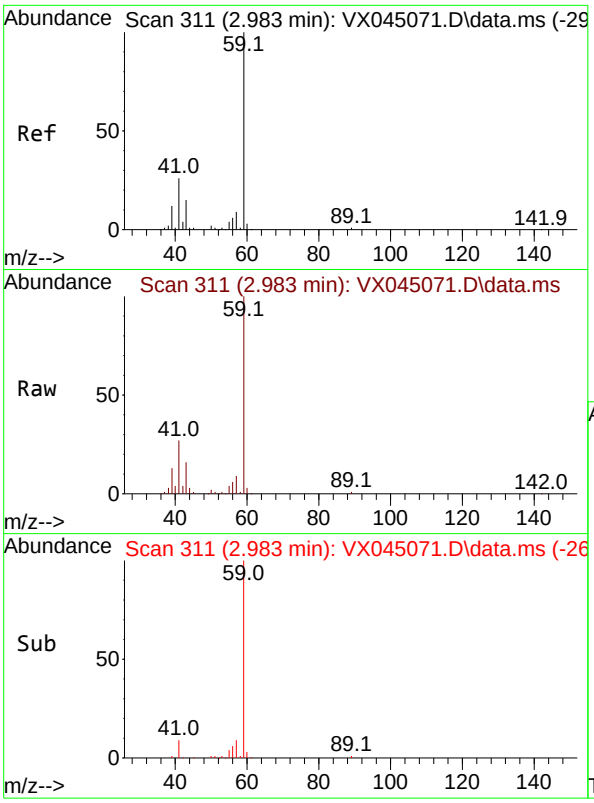


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:142 Resp: 79357

Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.4	53.2
141	14.5	11.6	17.4



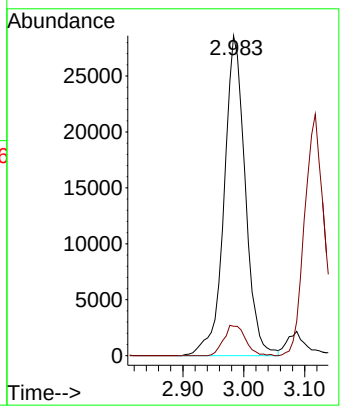


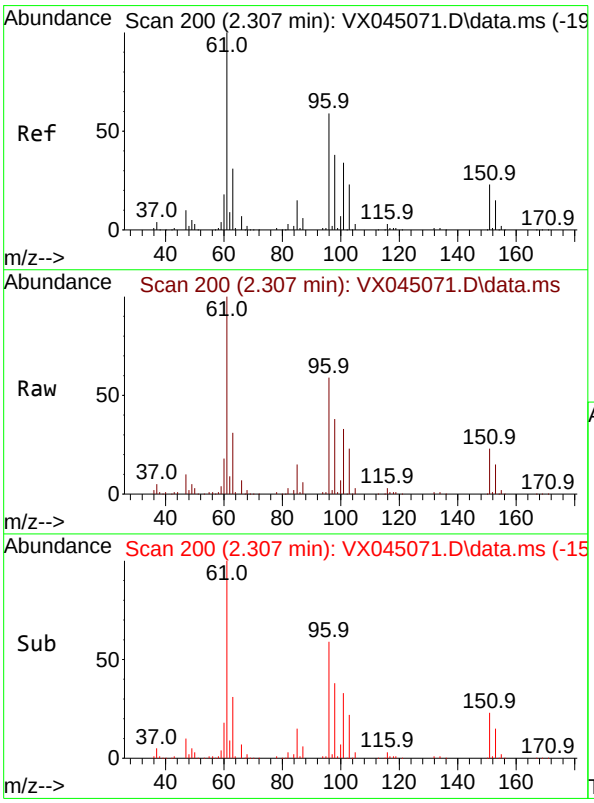
#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 69139

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

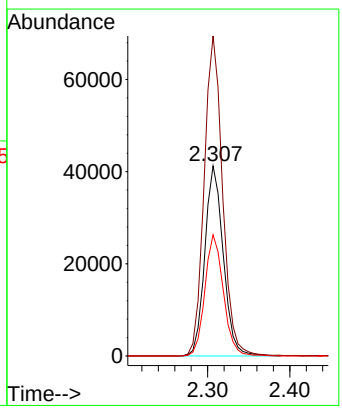


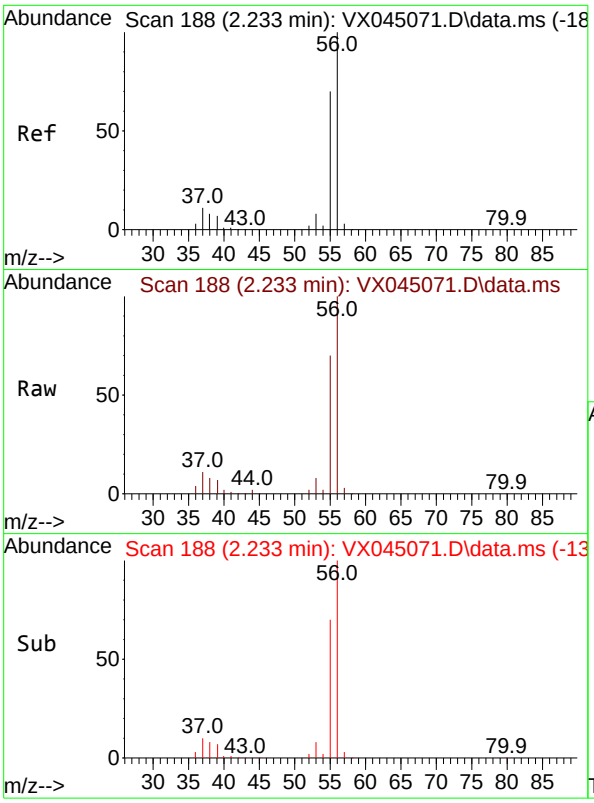


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 96 Resp: 64327

Ion	Ratio	Lower	Upper
96	100		
61	168.3	134.6	202.0
98	63.8	51.0	76.6



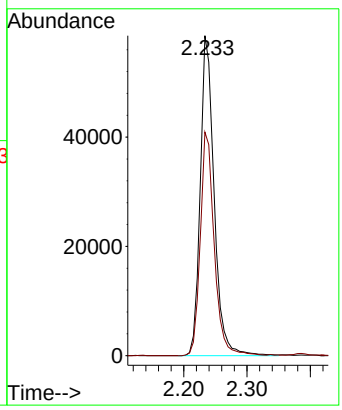


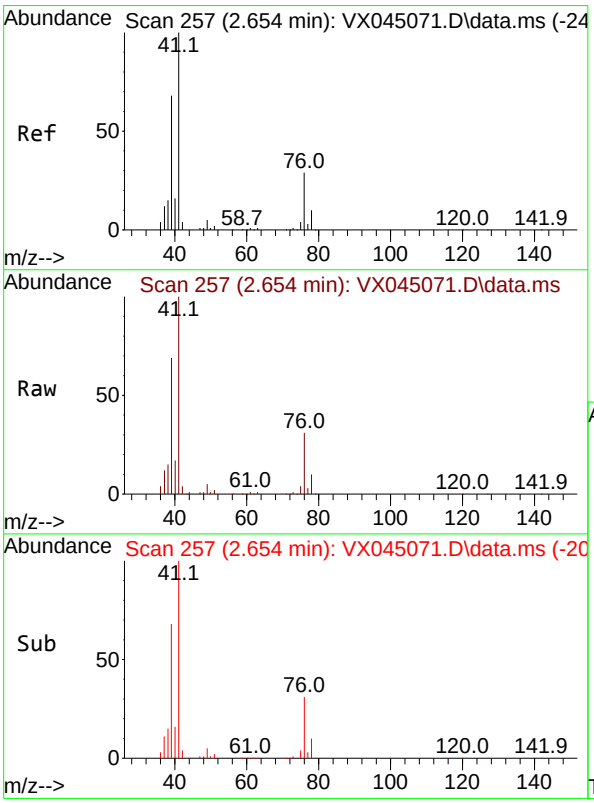
#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 89603

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4

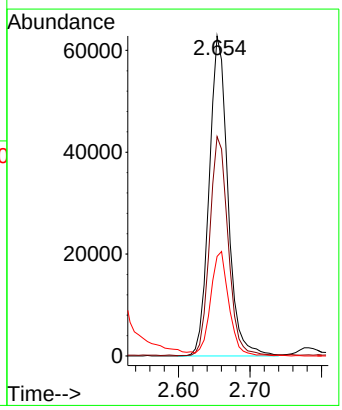


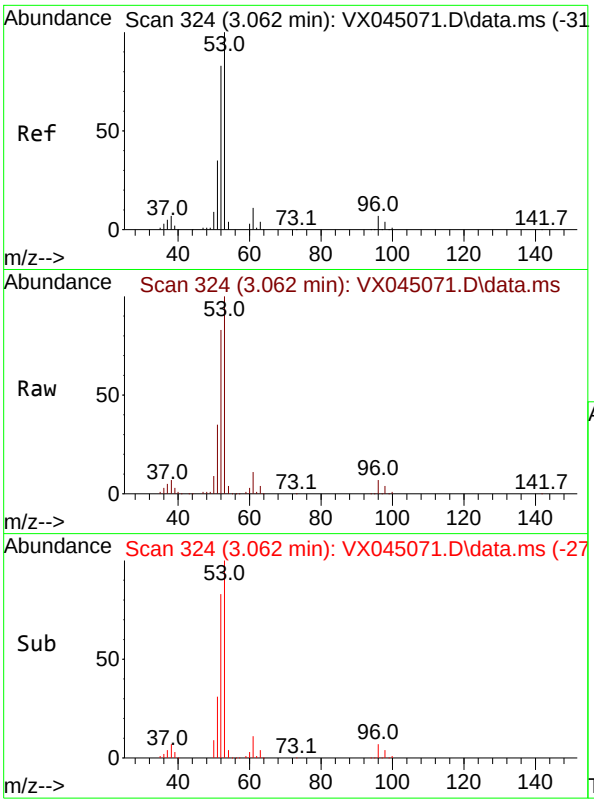


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 114313

Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.8	80.8
76	31.5	25.2	37.8



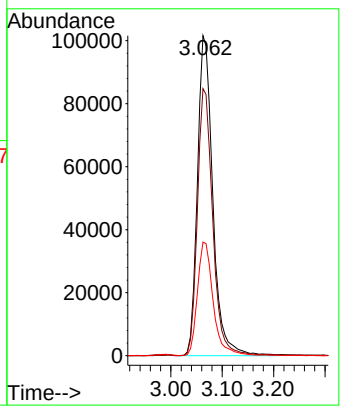


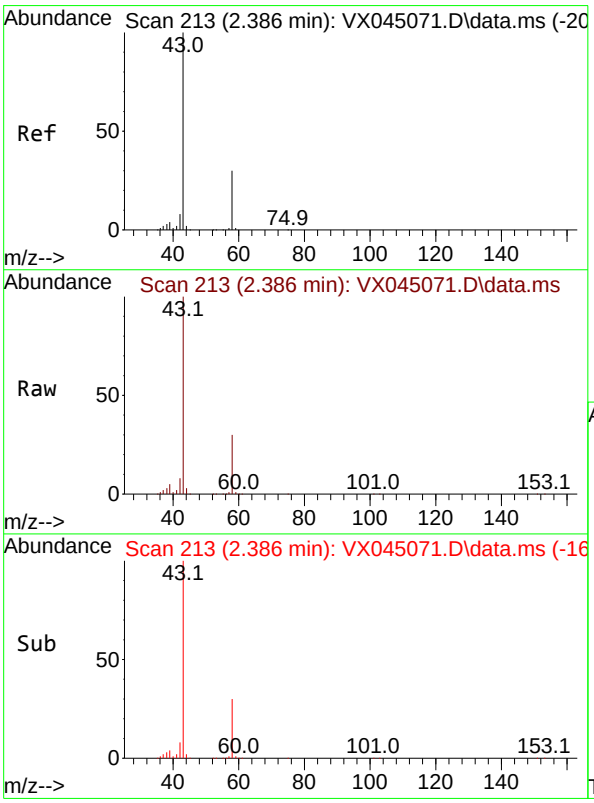
#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 211455

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.0	43.4

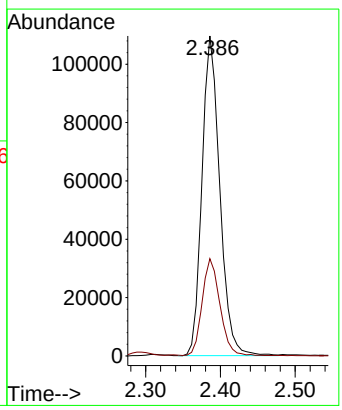


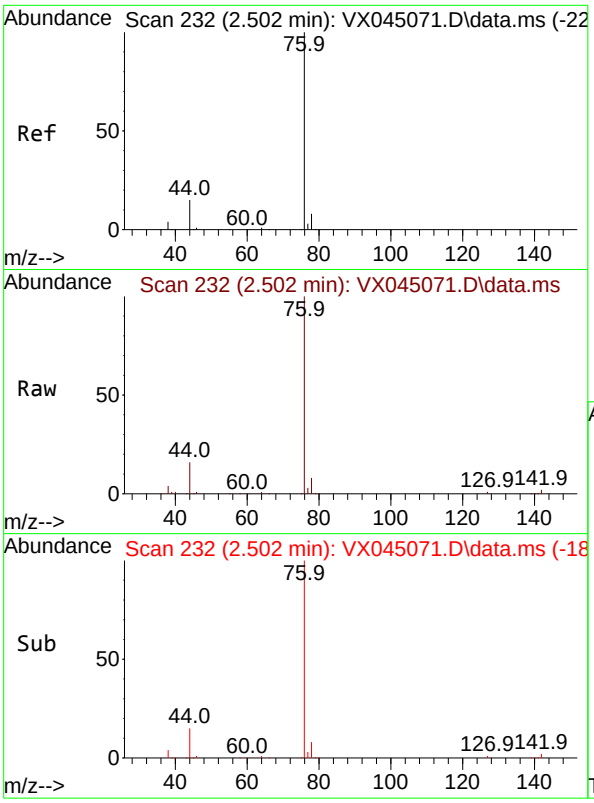


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 181429

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



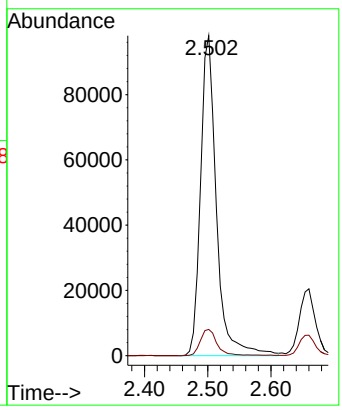


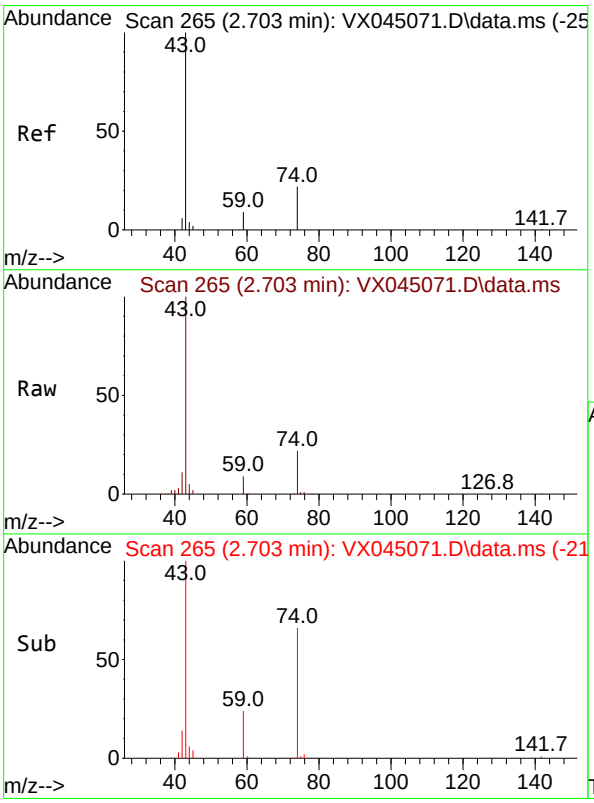
#17
Carbon Disulfide
Concen: 47.419 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 171353

Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

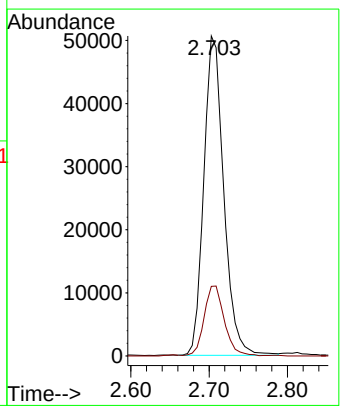


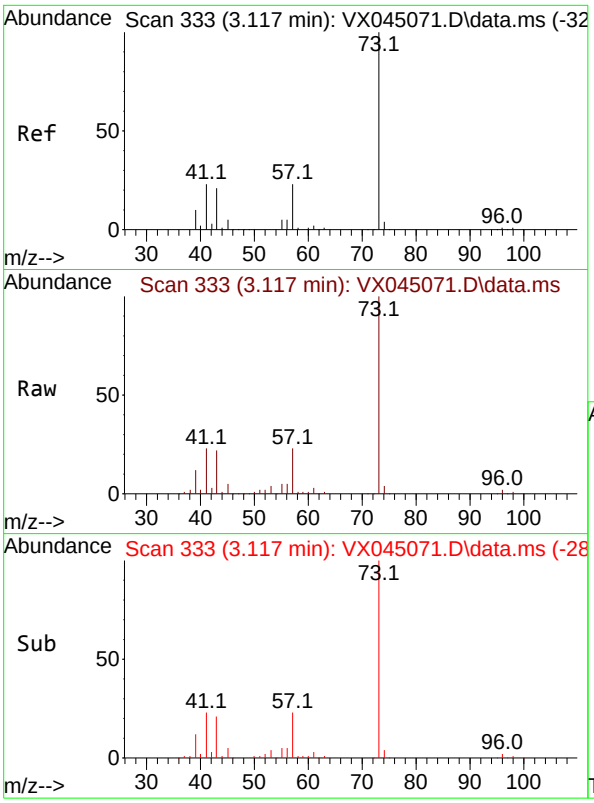


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



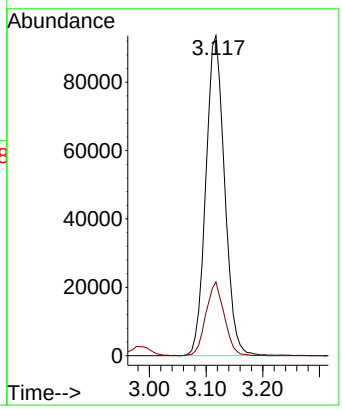


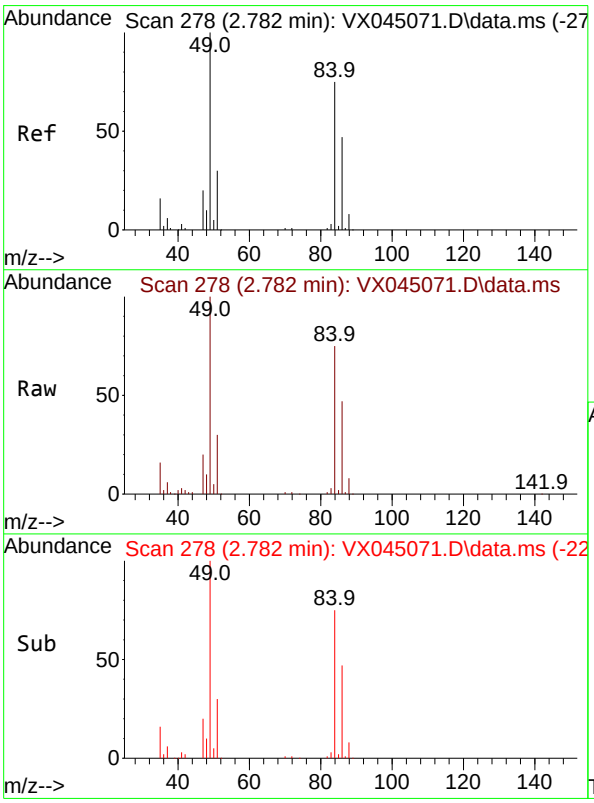
#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 215043

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

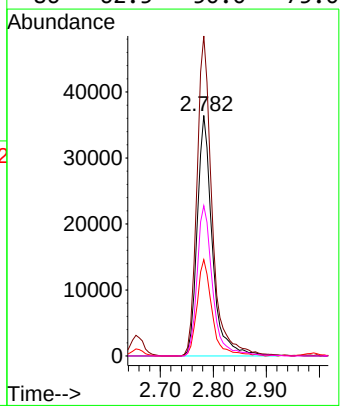


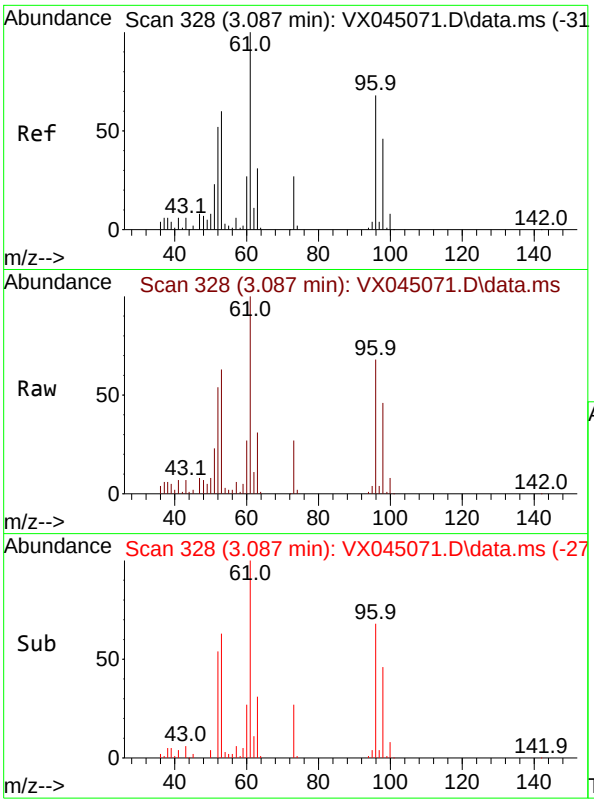


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 84 Resp: 72081

Ion	Ratio	Lower	Upper
84	100		
49	133.1	106.5	159.7
51	40.1	32.1	48.1
86	62.5	50.0	75.0



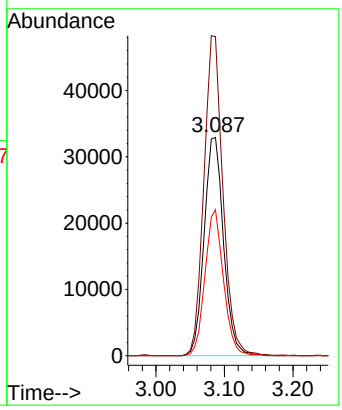


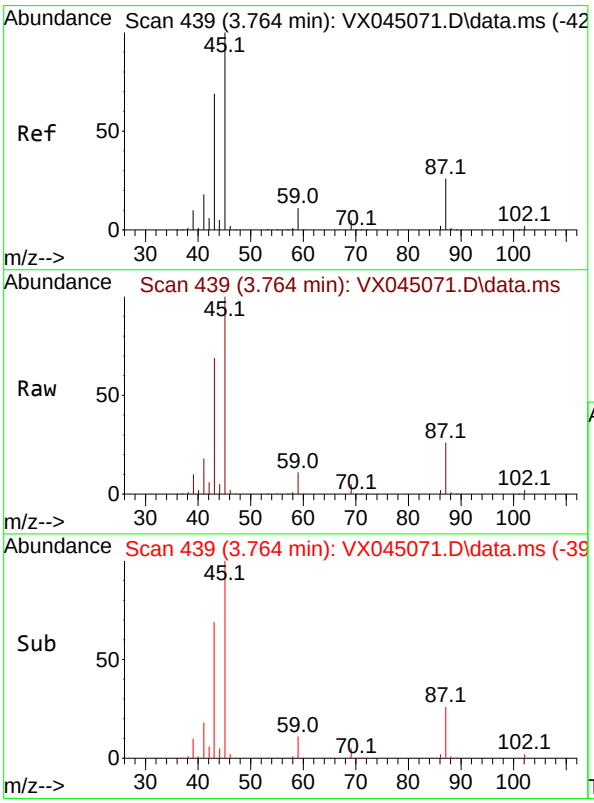
#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 65093

Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.0	175.4
98	66.8	53.4	80.2

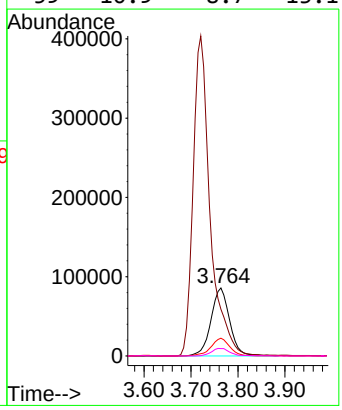


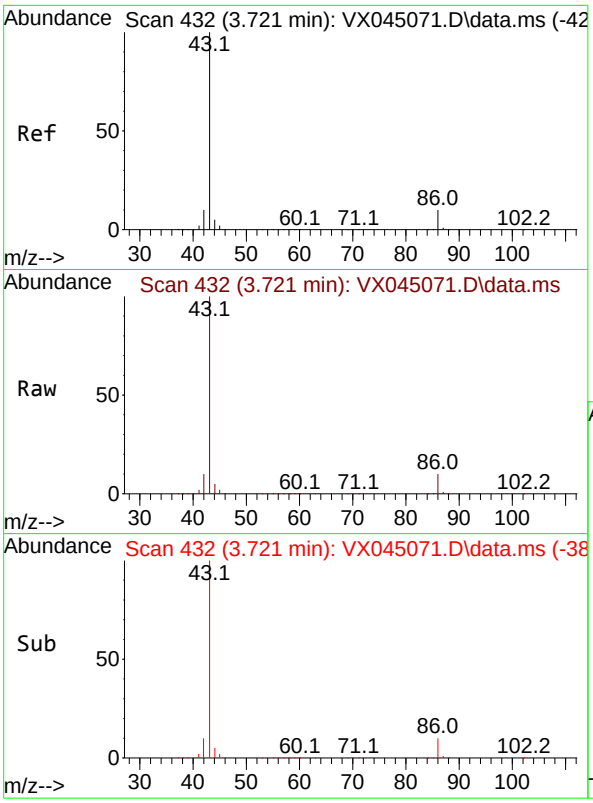


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 45 Resp: 236563

Ion	Ratio	Lower	Upper
45	100		
43	68.6	54.9	82.3
87	26.2	21.0	31.4
59	10.9	8.7	13.1



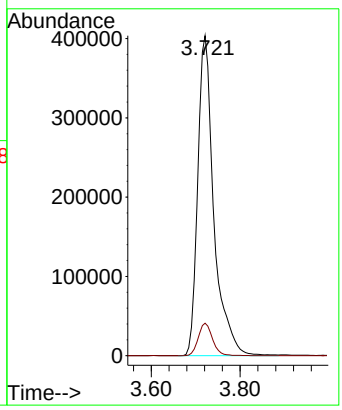


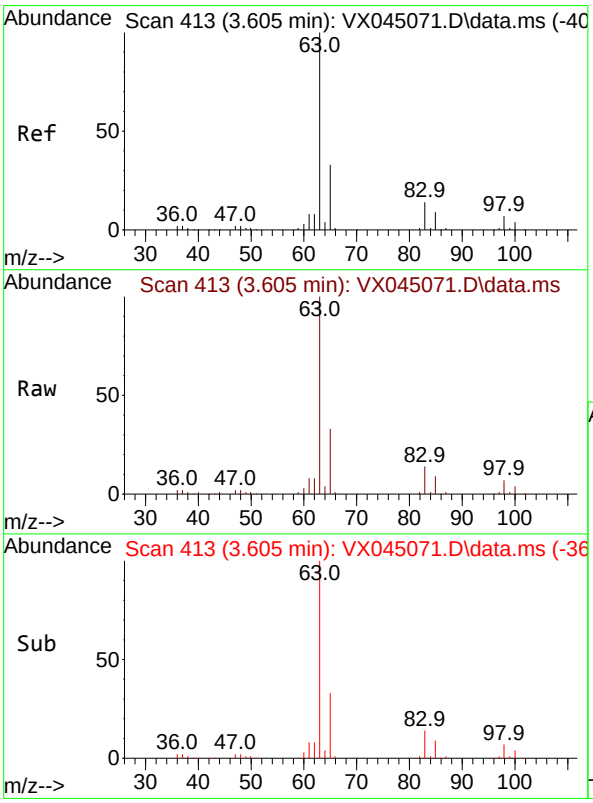
#23
Vinyl Acetate
Concen: 271.773 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1018631

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

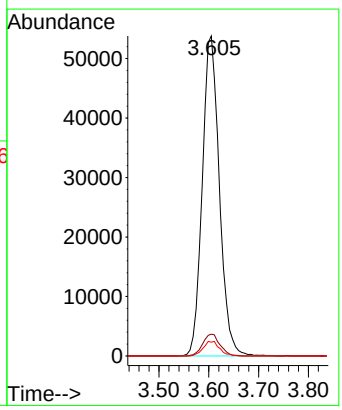


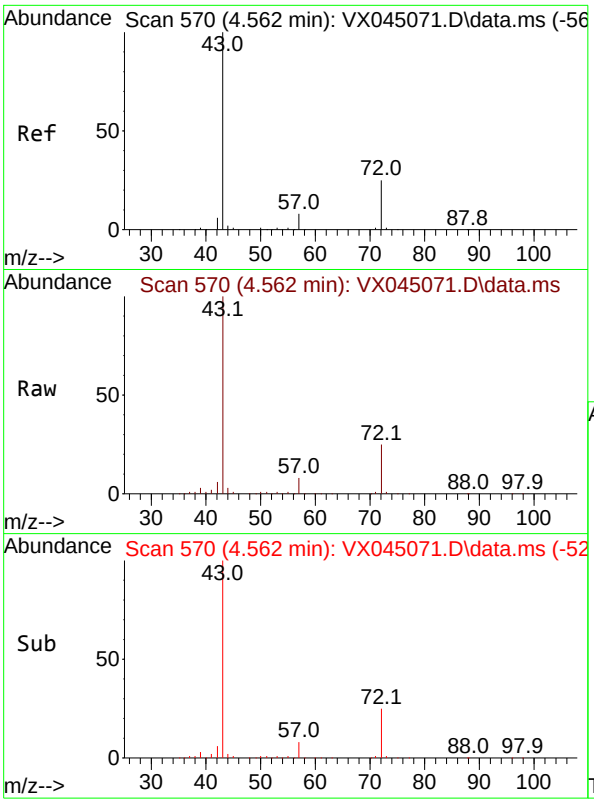


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 128235

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.3	2.1	6.5



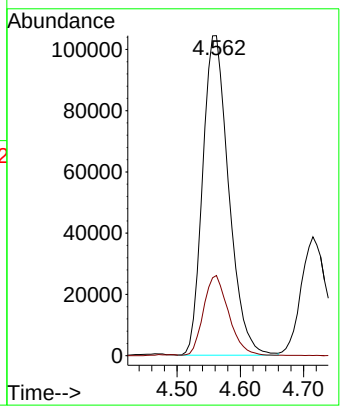


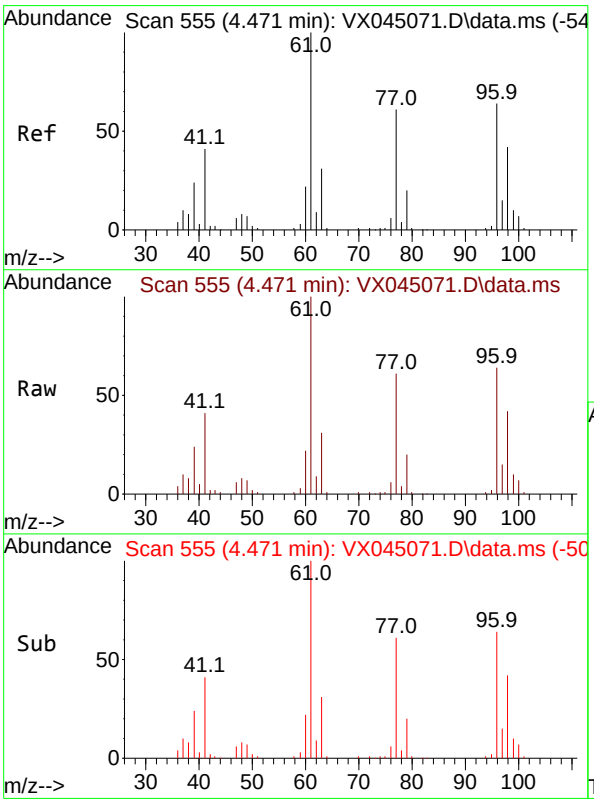
#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 298785

Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0

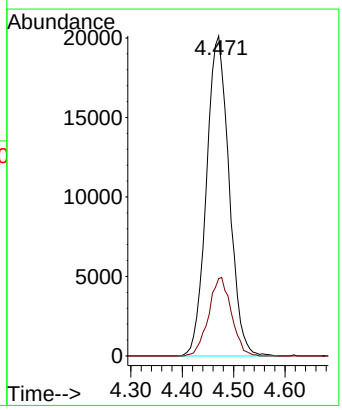


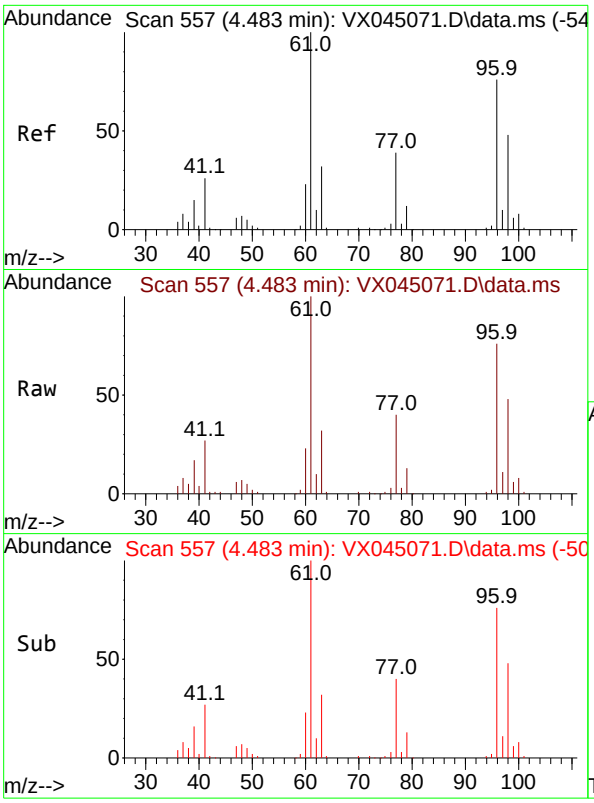


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.4	37.0



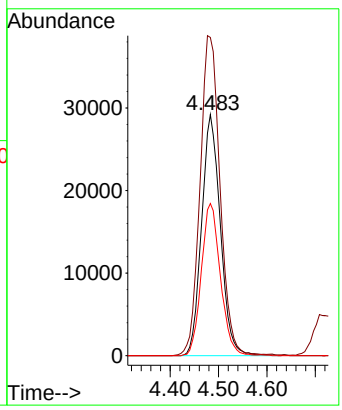


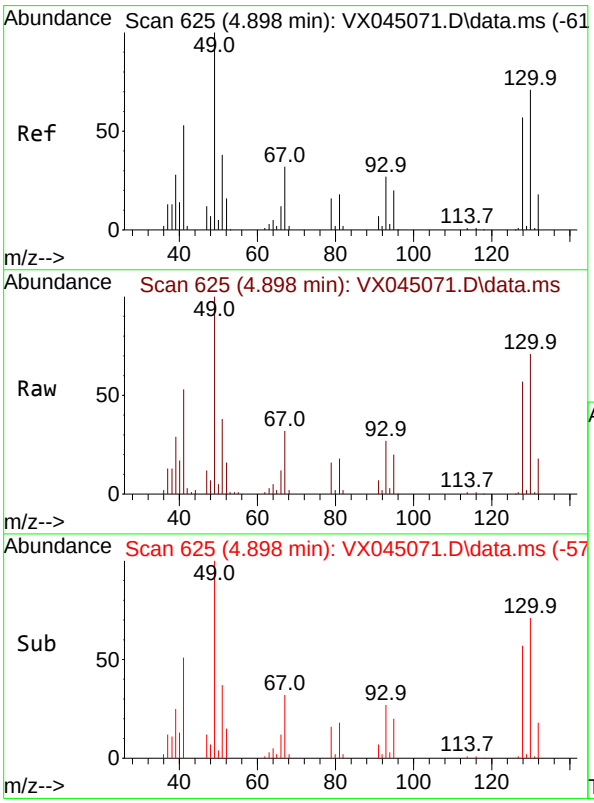
#27
cis-1,2-Dichloroethene
Concen: 49.955 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 78657

Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	64.0	0.0	128.0

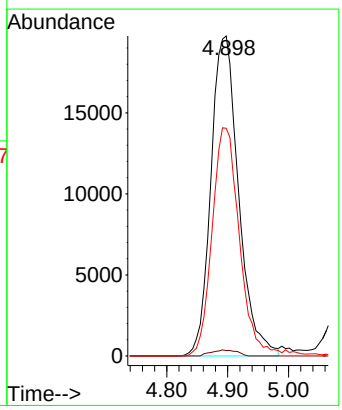


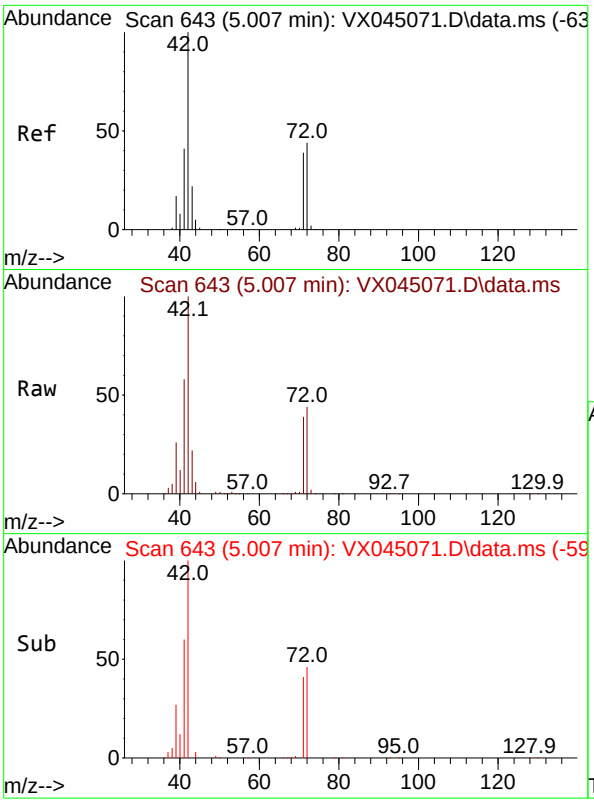


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 49 Resp: 62299

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1



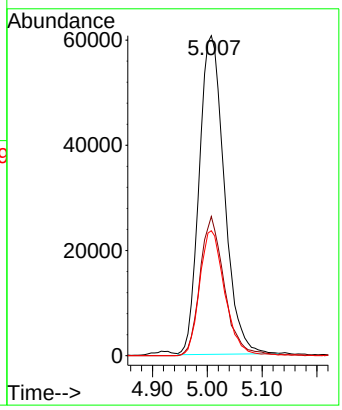


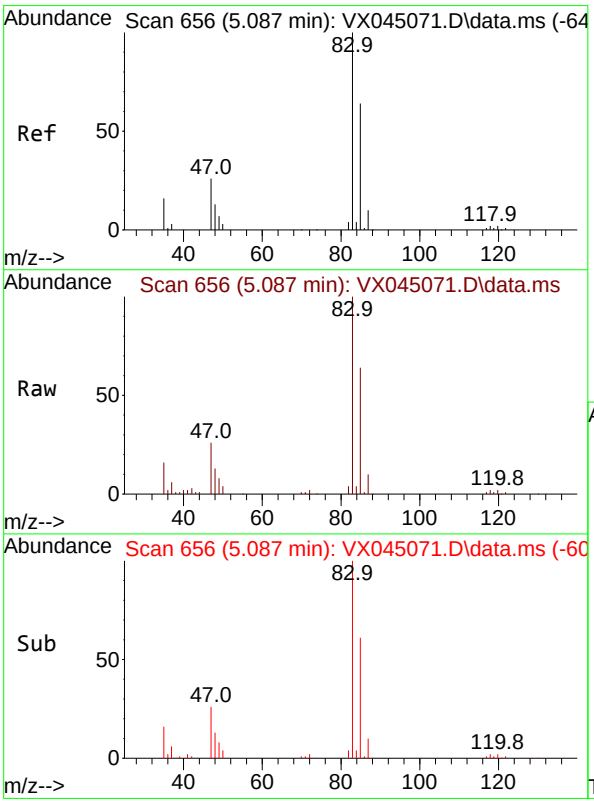
#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 192607

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.2	31.4	47.0

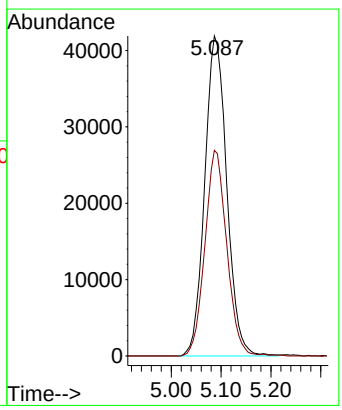


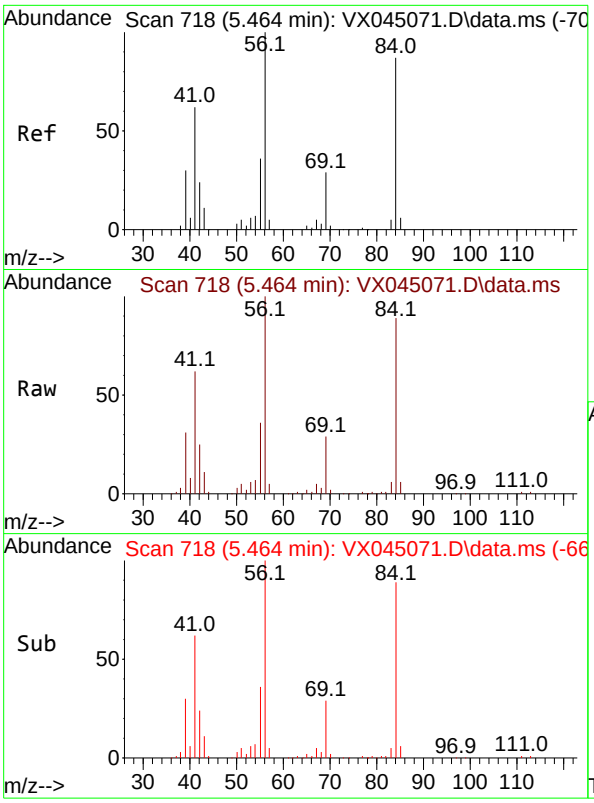


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2



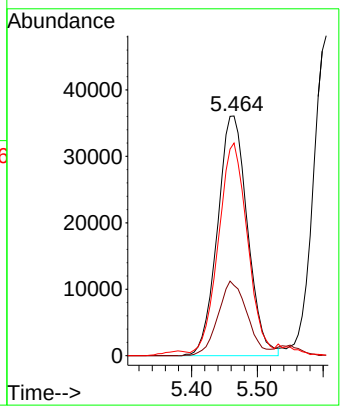


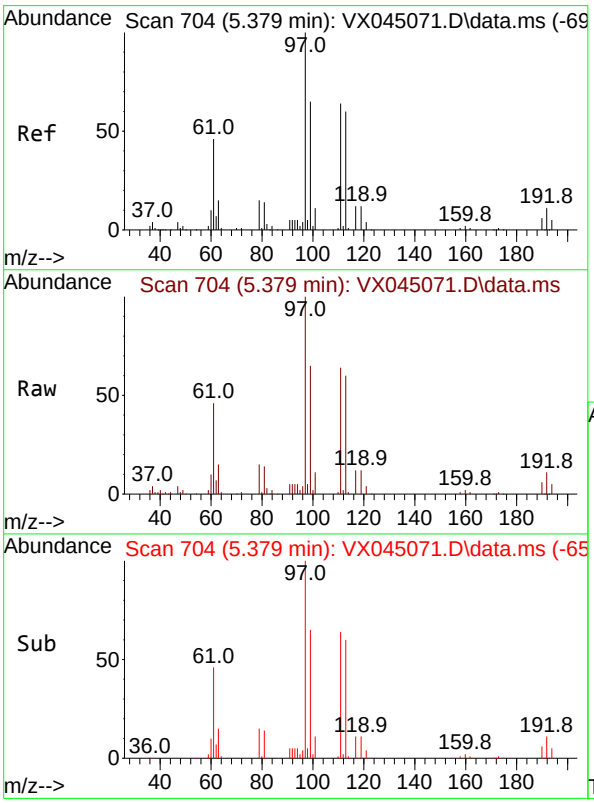
#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 114333

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	86.8	69.4	104.2

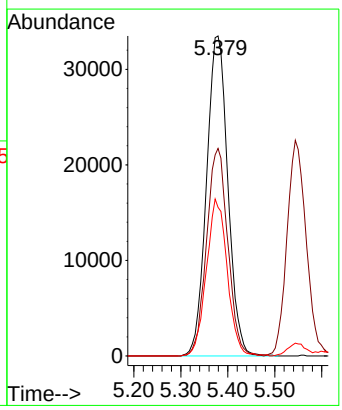


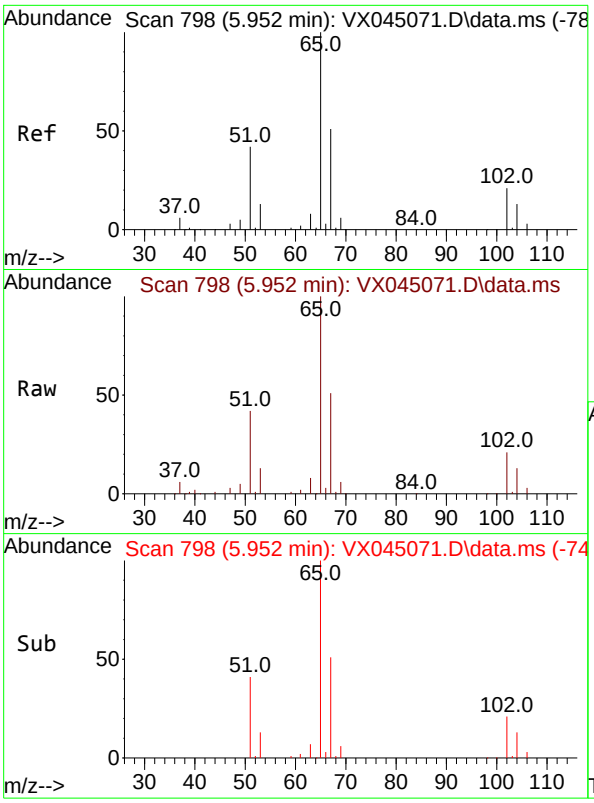


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 105671

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	48.0	38.4	57.6



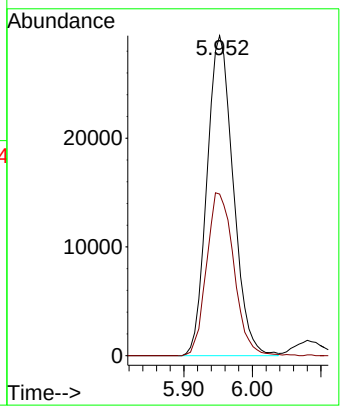


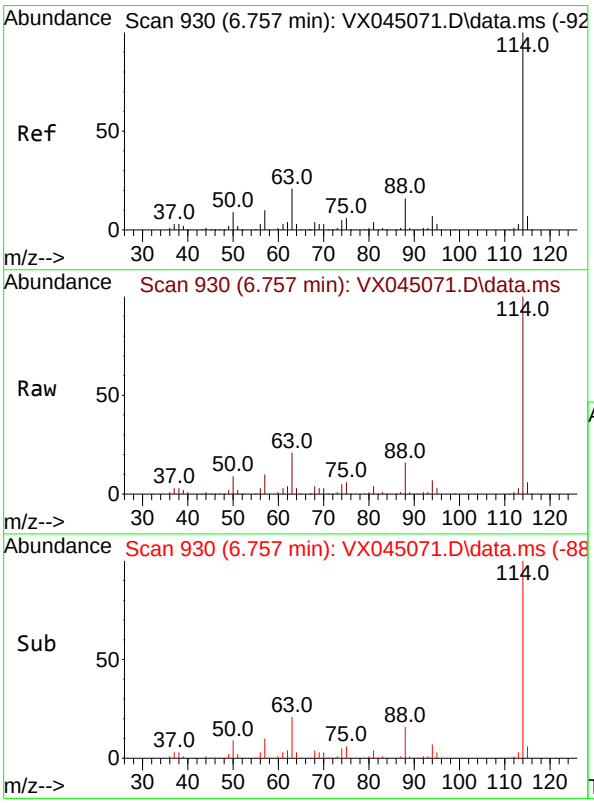
#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 78159

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

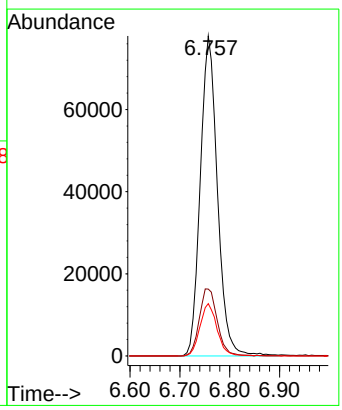


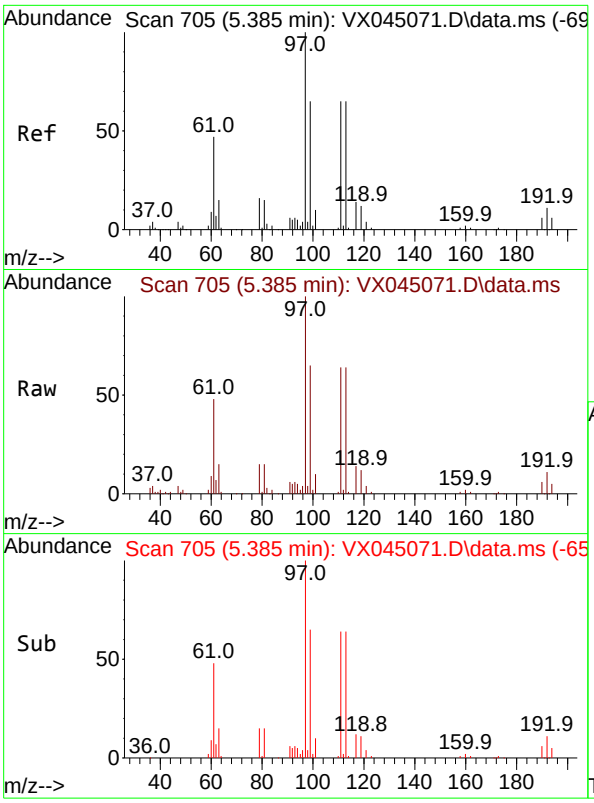


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:114 Resp: 186358

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	16.4	0.0	32.8



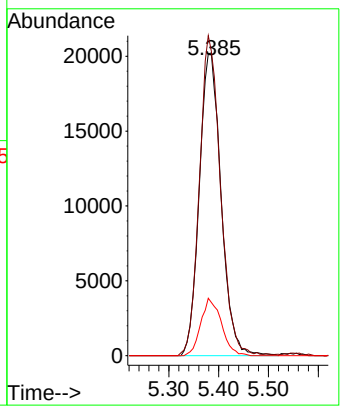


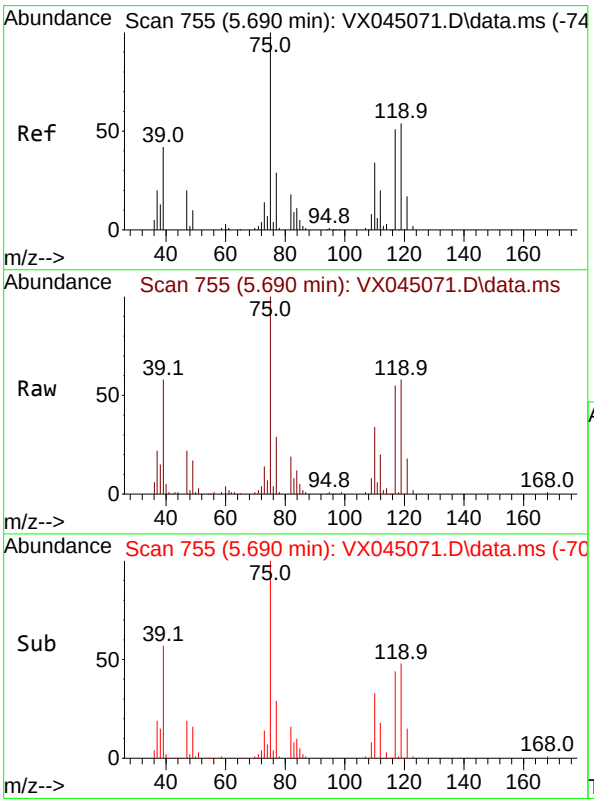
#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 61323

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.9	14.3	21.5

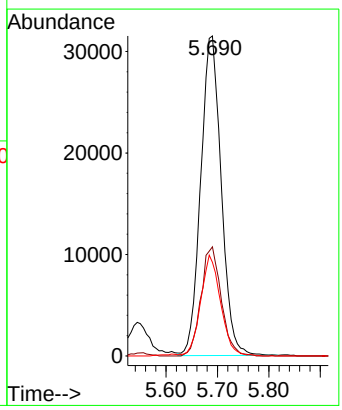


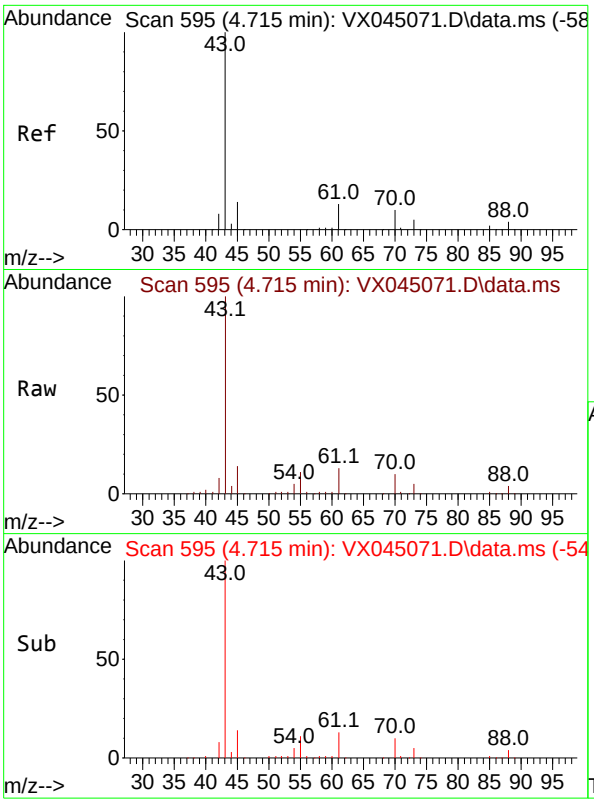


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 87338

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.6	24.5	36.7



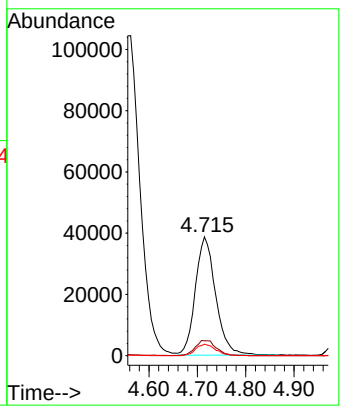


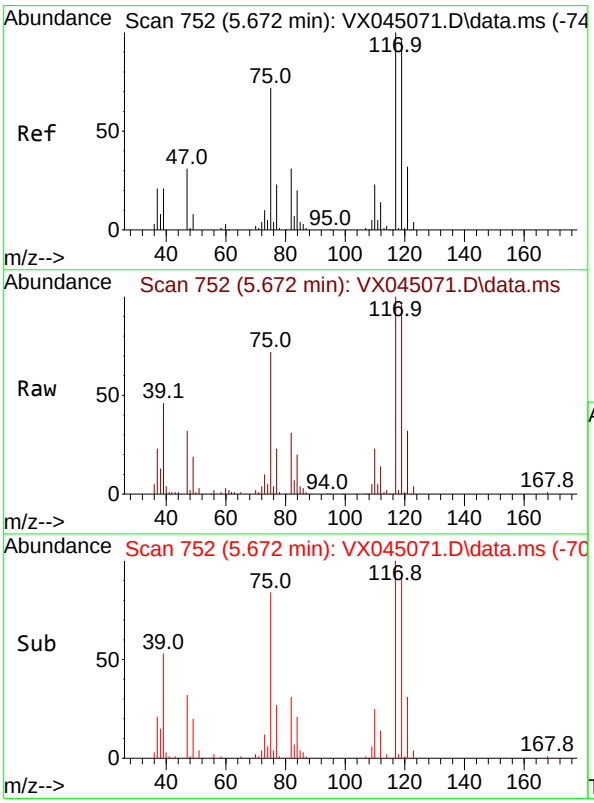
#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 112892

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	9.6	7.7	11.5

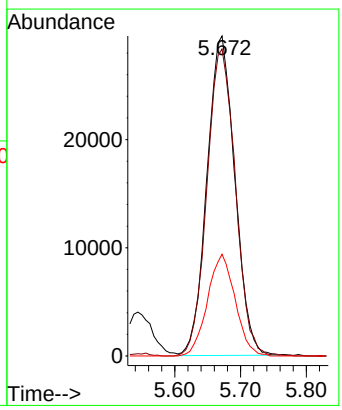


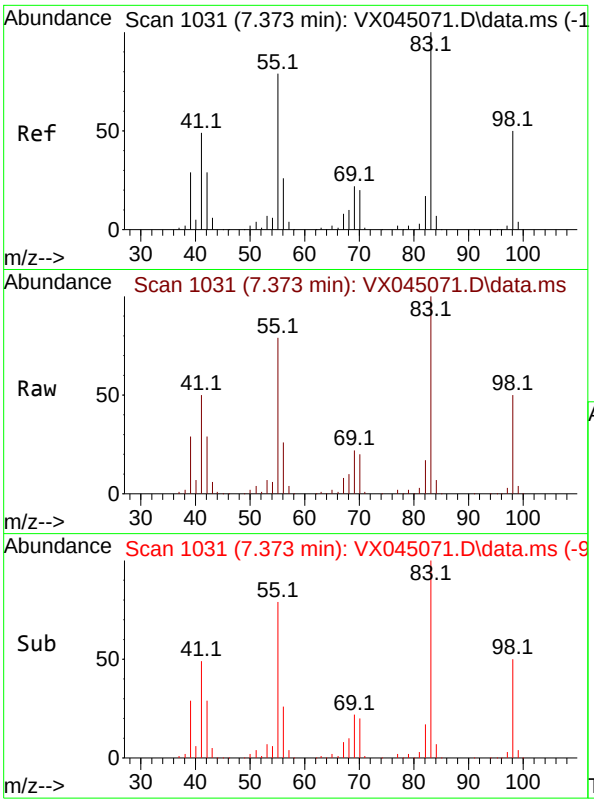


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 87123

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	31.9	25.5	38.3



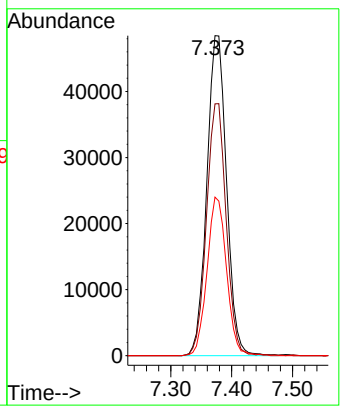


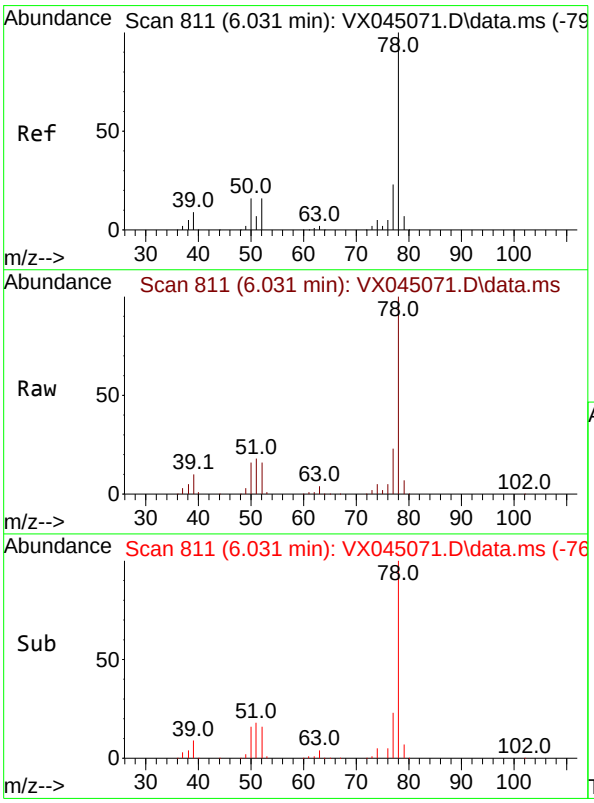
#39
Methylcyclohexane
Concen: 48.715 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 108974

Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	49.6	39.7	59.5

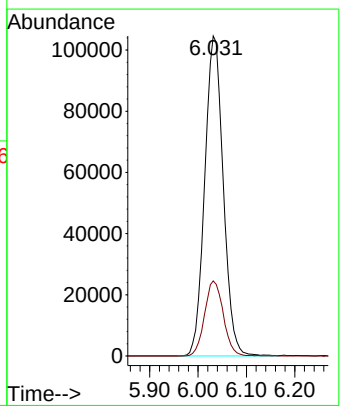


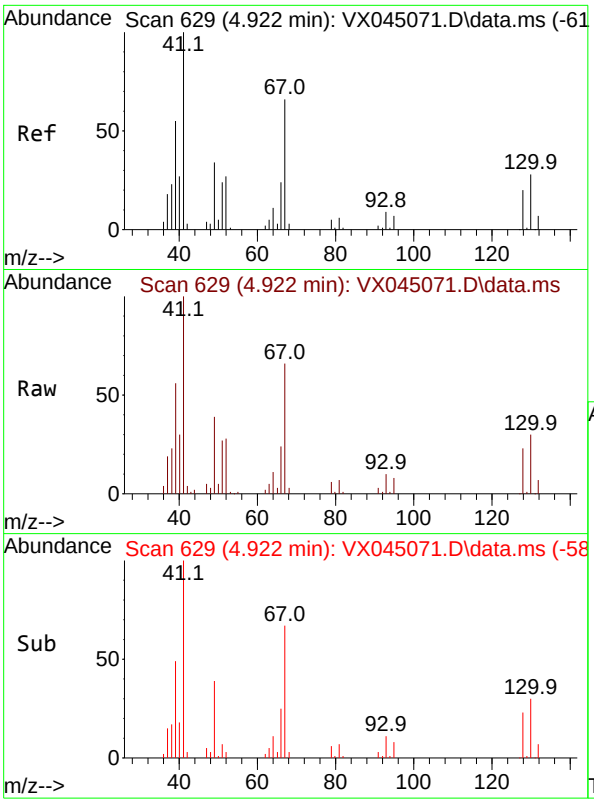


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



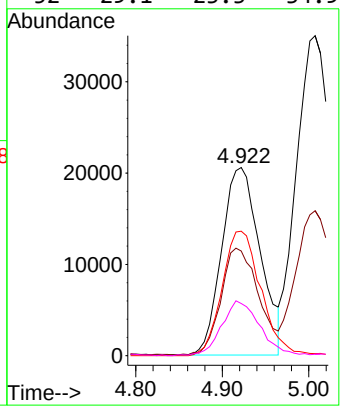


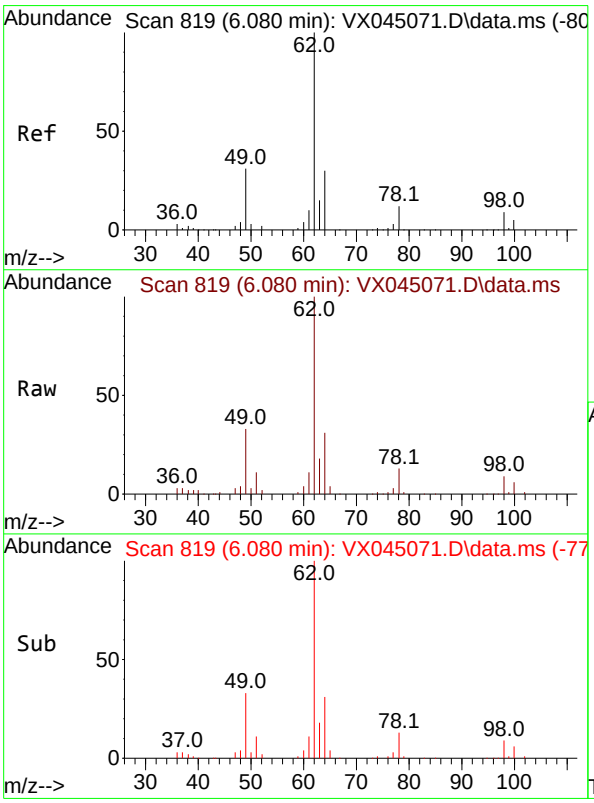
#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 63454

Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	67.4	53.9	80.9
52	29.1	23.3	34.9

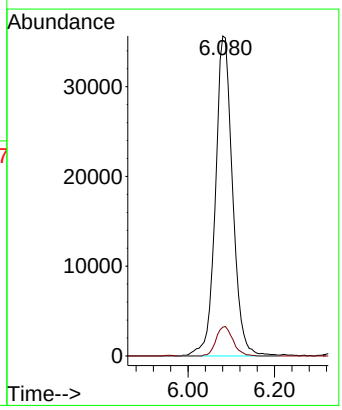


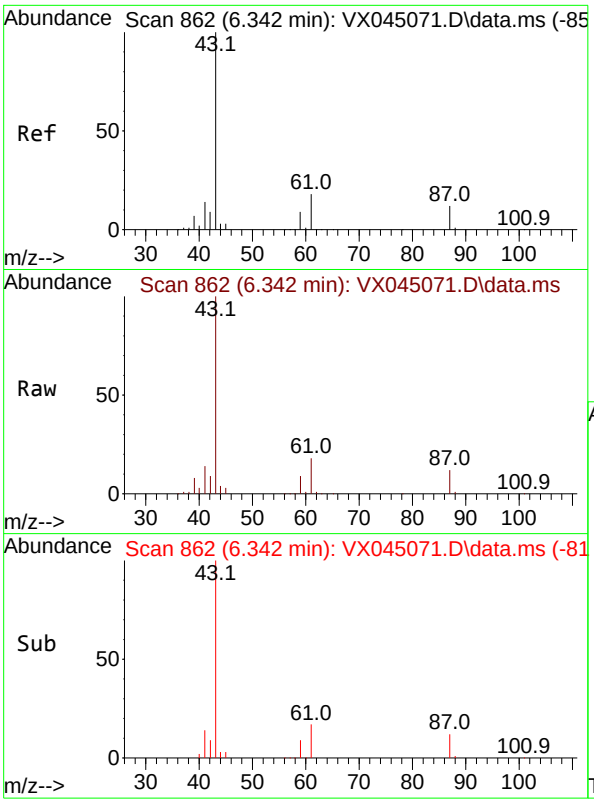


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



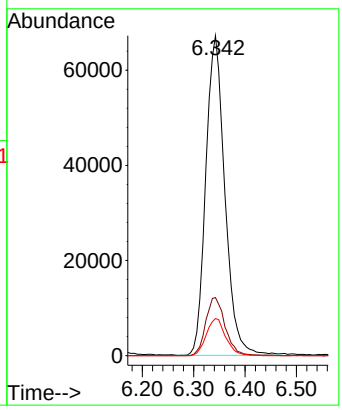


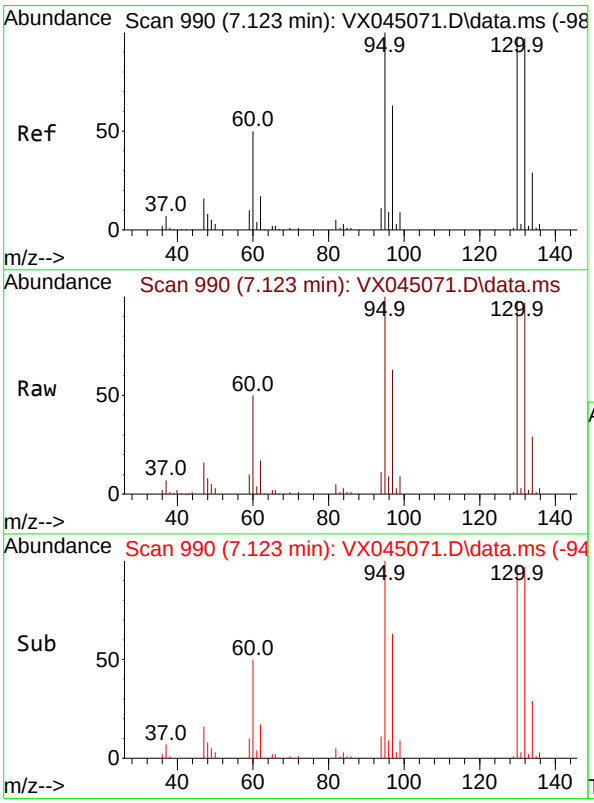
#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 173045

Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	11.8	9.4	14.2

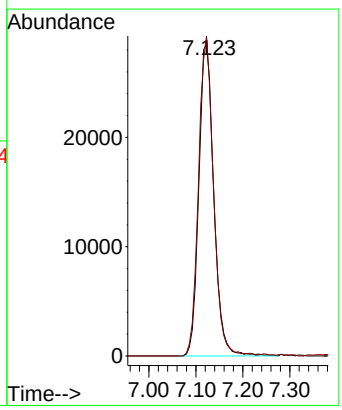


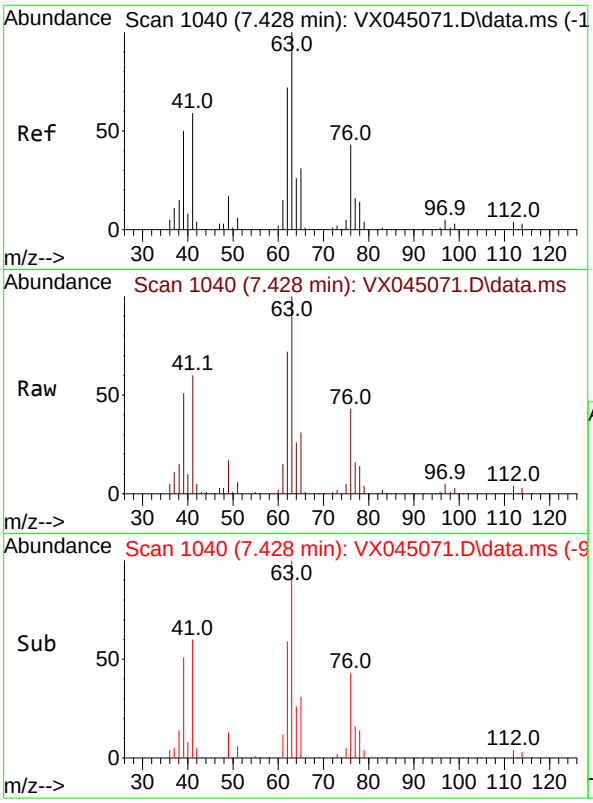


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0



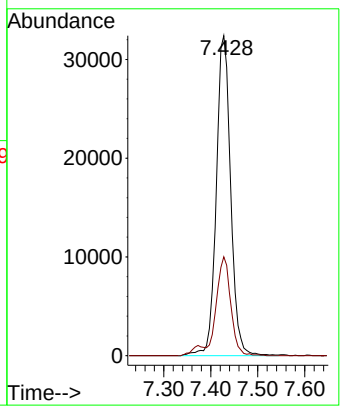


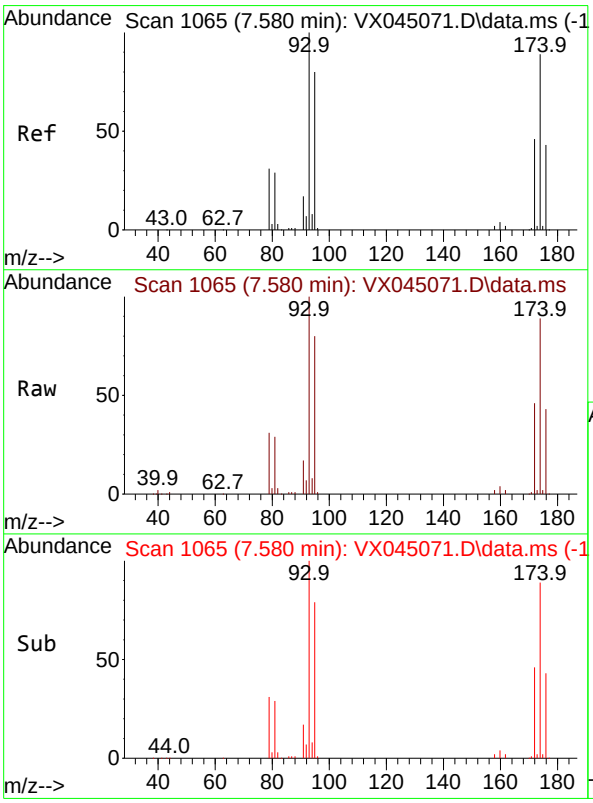
#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 69128

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

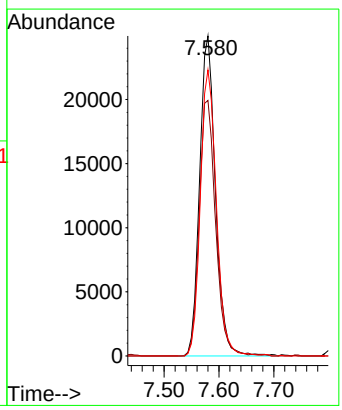


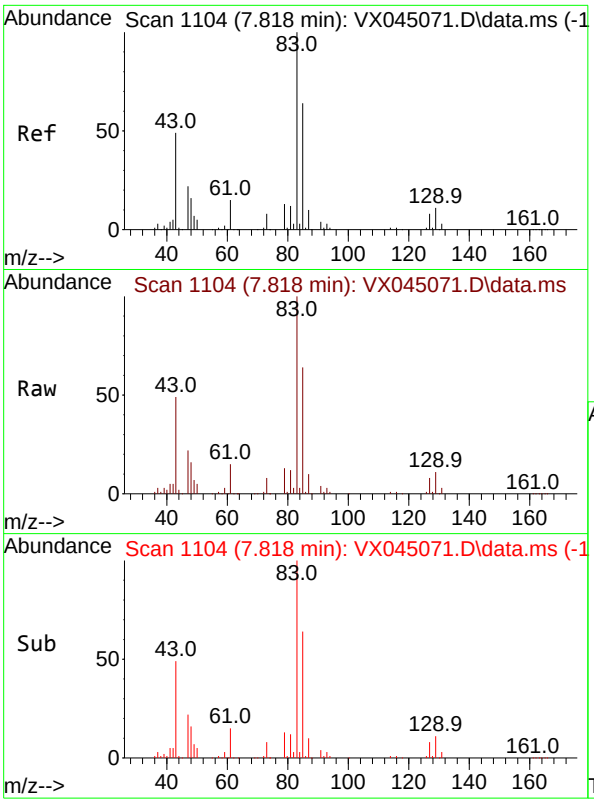


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 93 Resp: 50143

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	90.2	72.2	108.2



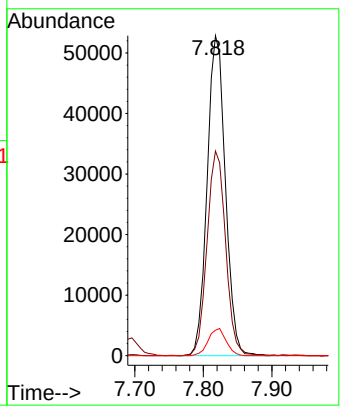


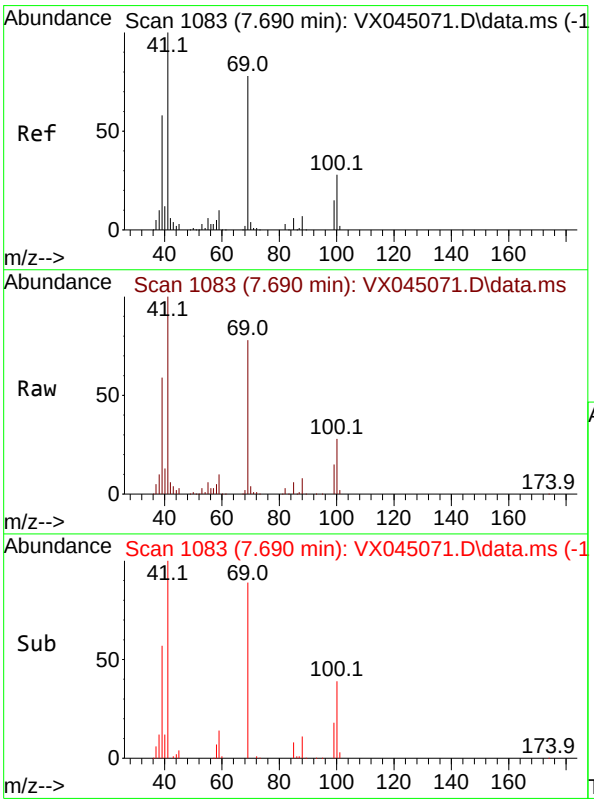
#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 97729

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.0	6.4	9.6

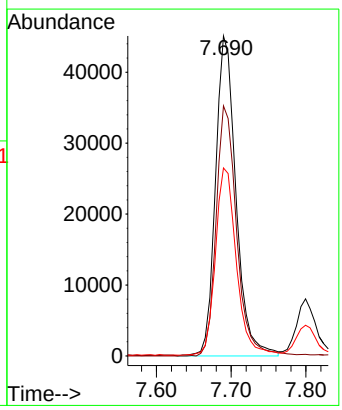


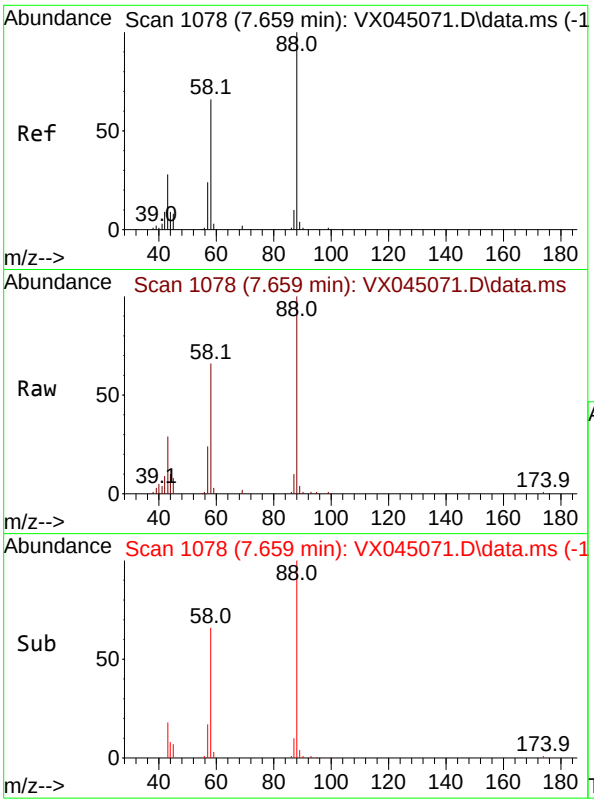


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 86231

Ion	Ratio	Lower	Upper
41	100		
69	78.8	63.0	94.6
39	59.4	47.5	71.3



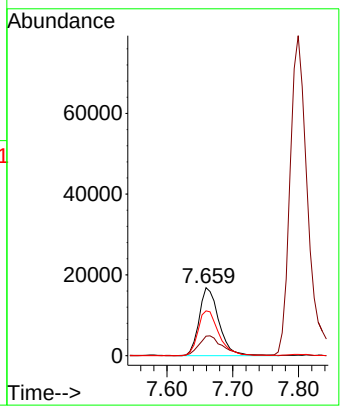


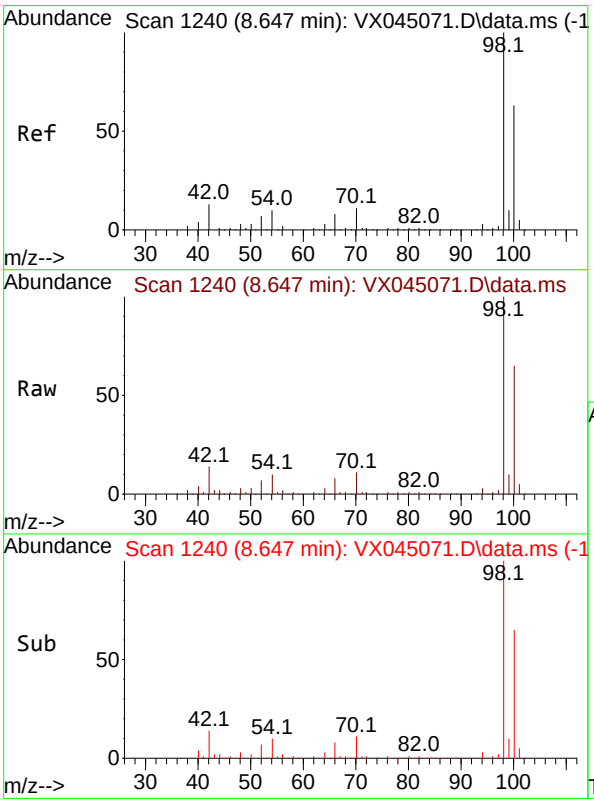
#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 35053

Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.7	43.1
58	69.8	55.8	83.8

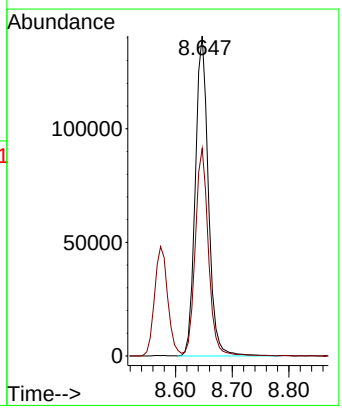


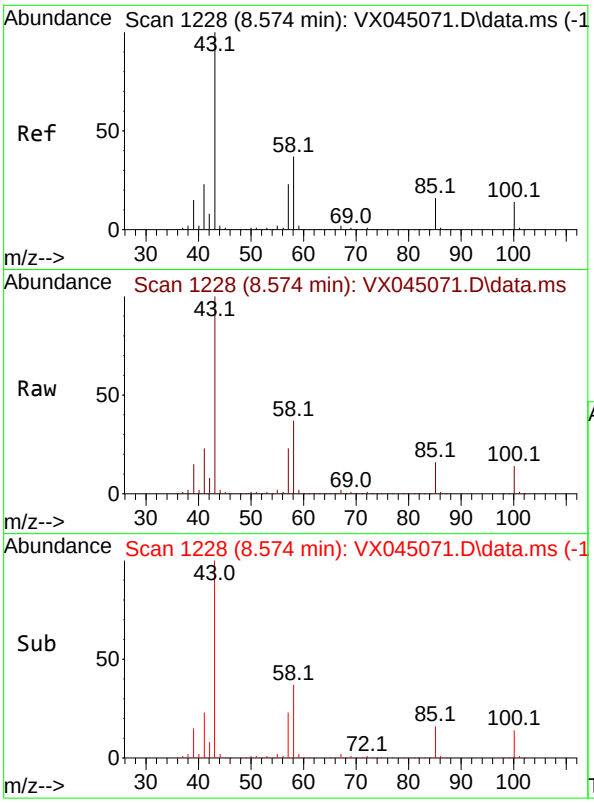


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 98 Resp: 225493

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



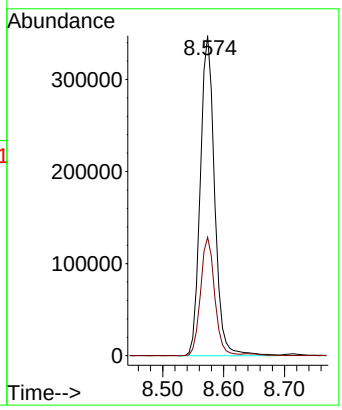


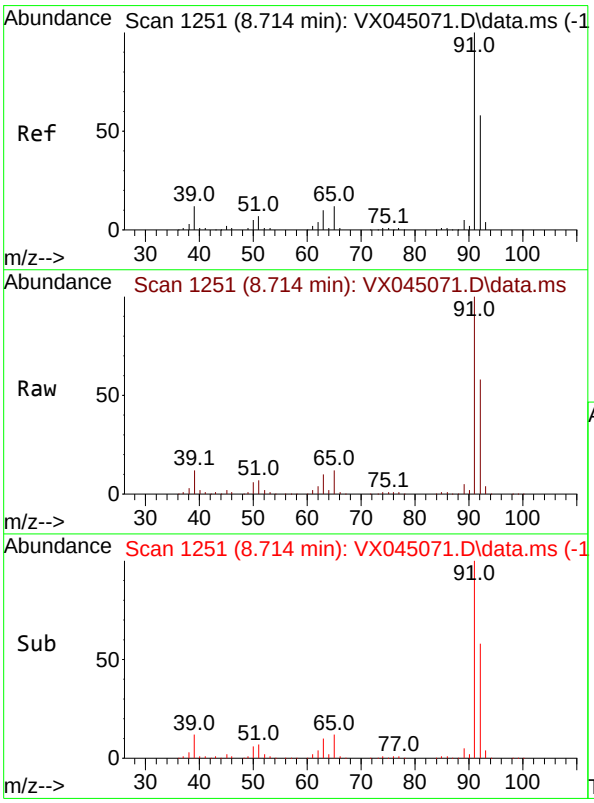
#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 568737

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8

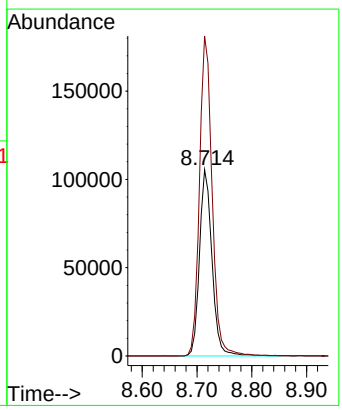


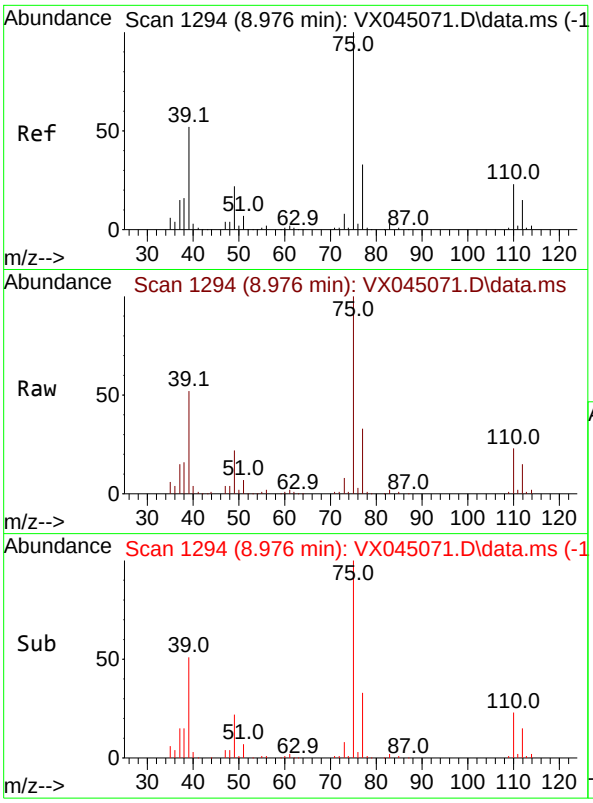


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3



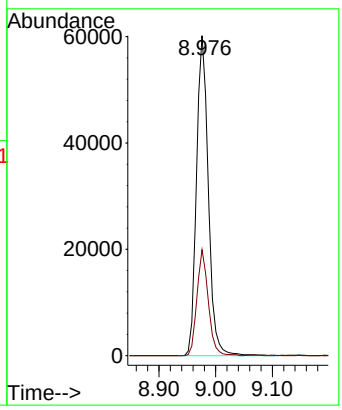


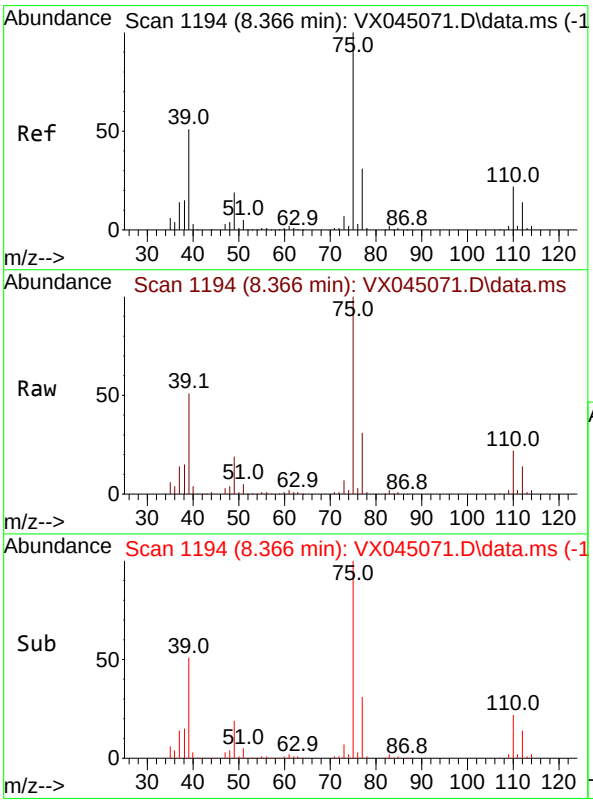
#53
t-1,3-Dichloropropene
Concen: 48.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 87373

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

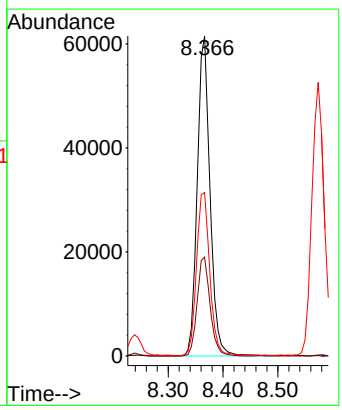


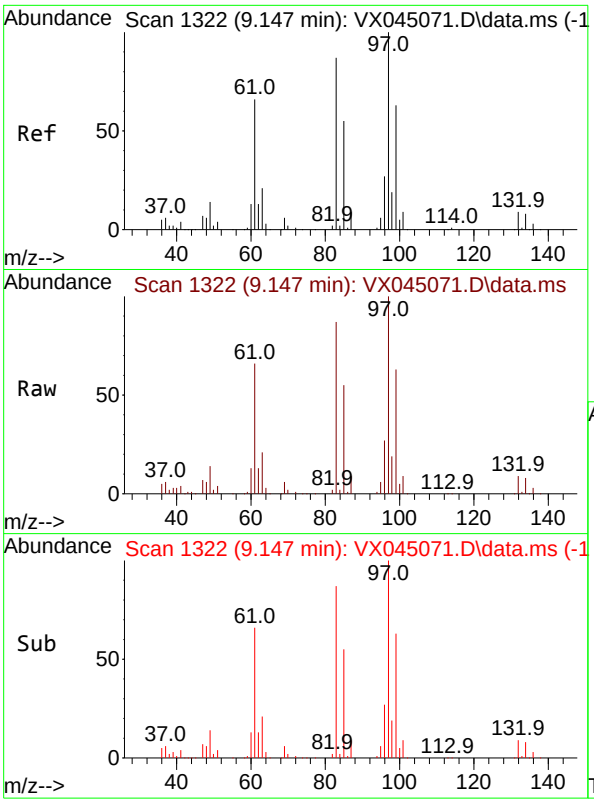


#54
cis-1,3-Dichloropropene
Concen: 49.079 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 99713

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	50.9	40.7	61.1



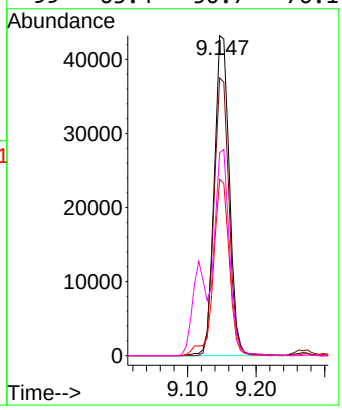


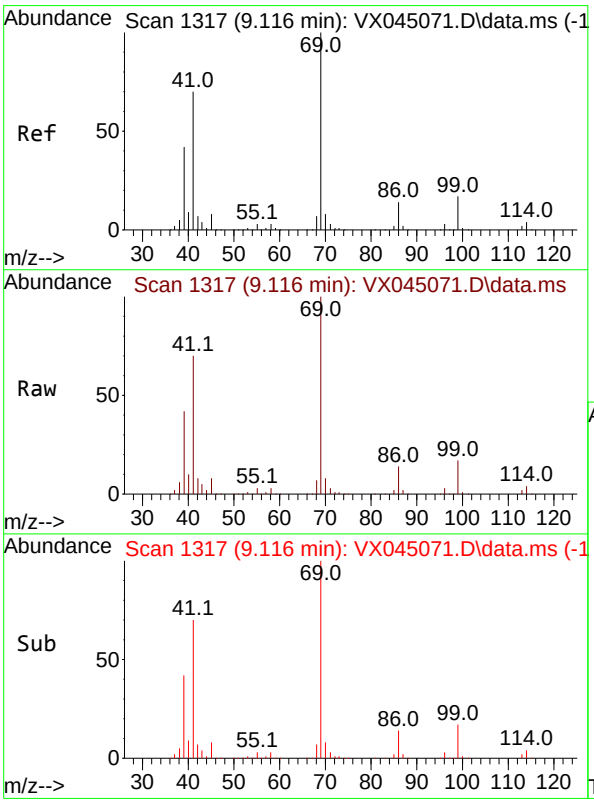
#55
1,1,2-Trichloroethane
Concen: 52.724 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 66379

Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.1	44.1	66.1
99	63.4	50.7	76.1

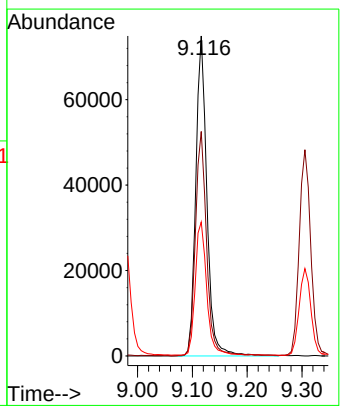


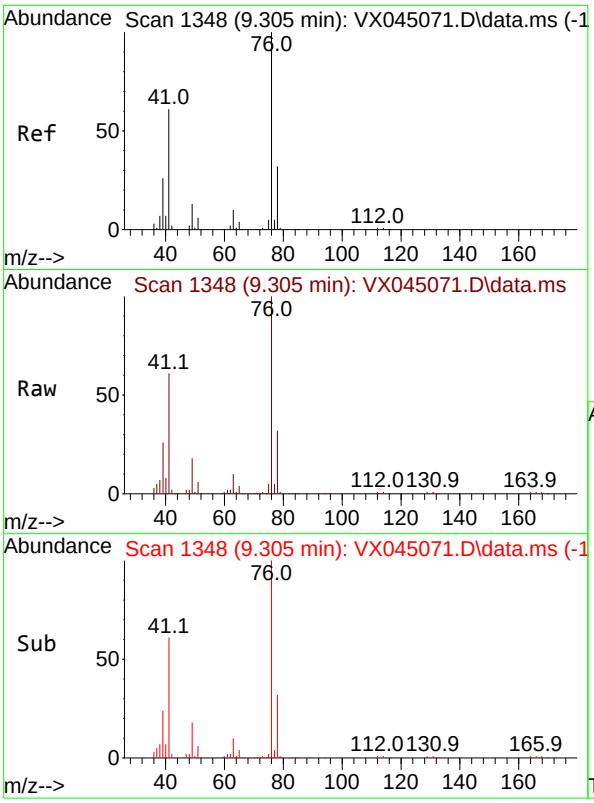


#56
Ethyl methacrylate
Concen: 52.724 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 69 Resp: 106157

Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.4
39	42.8	34.2	51.4



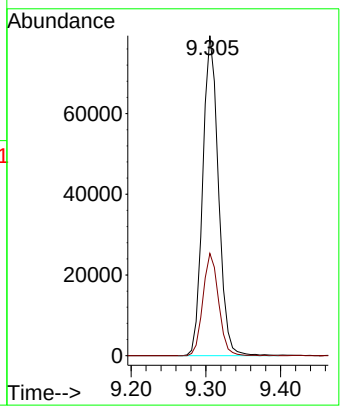


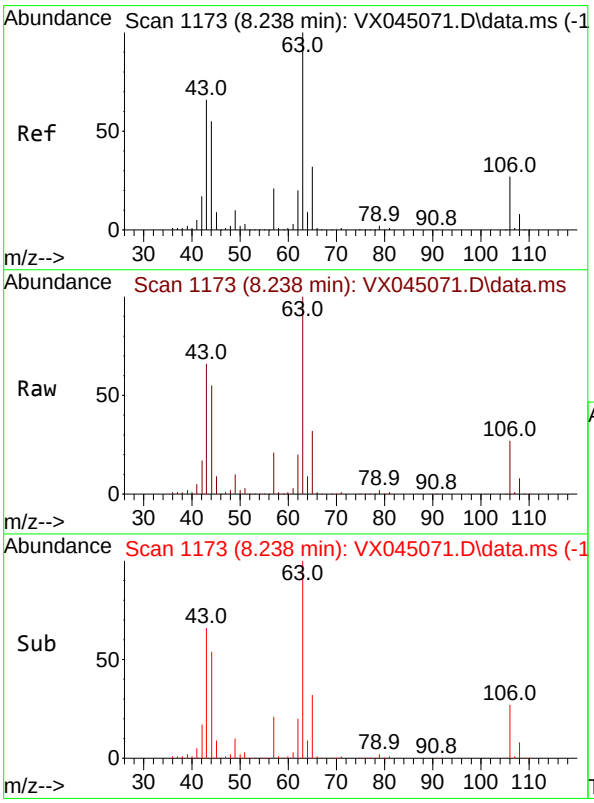
#57
1,3-Dichloropropane
Concen: 52.594 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 115488

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

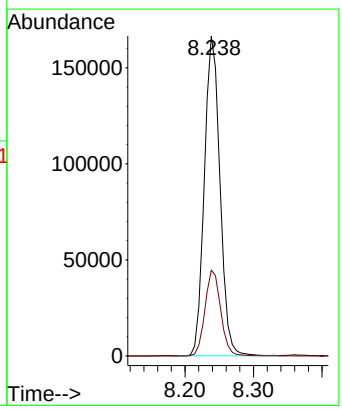


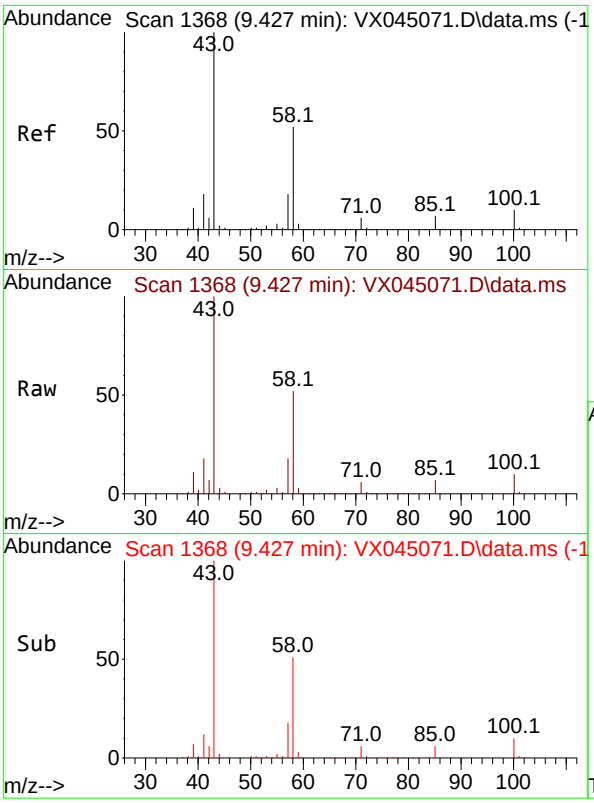


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 264555

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



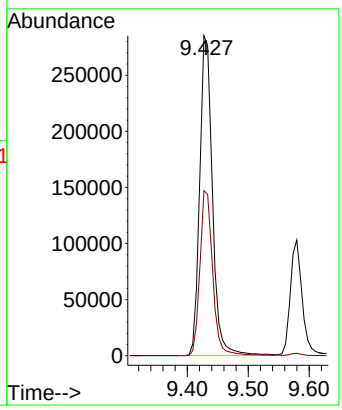


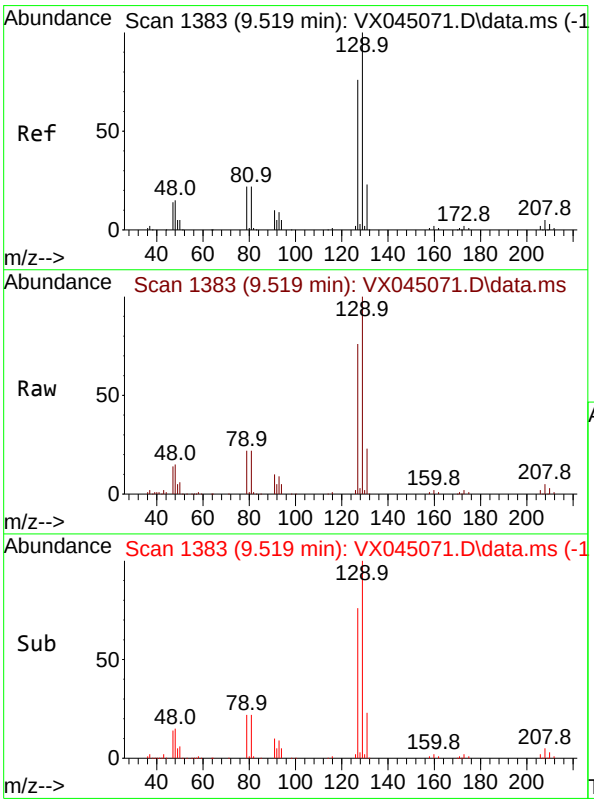
#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 416984

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

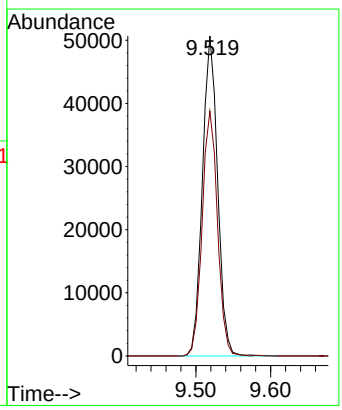


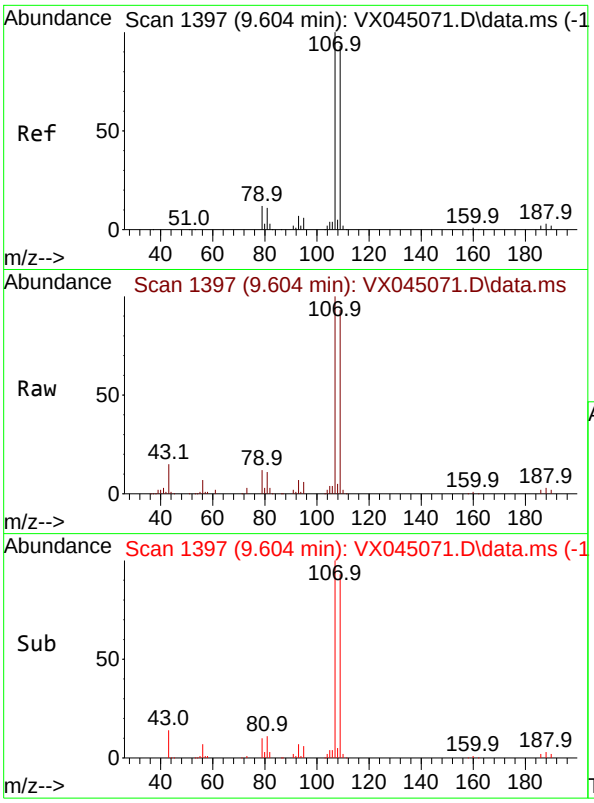


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



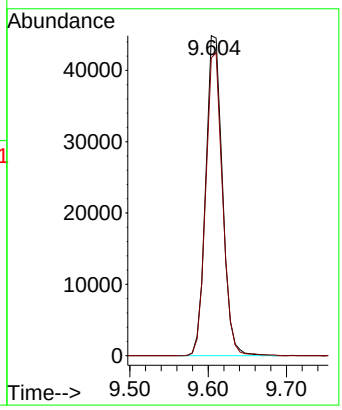


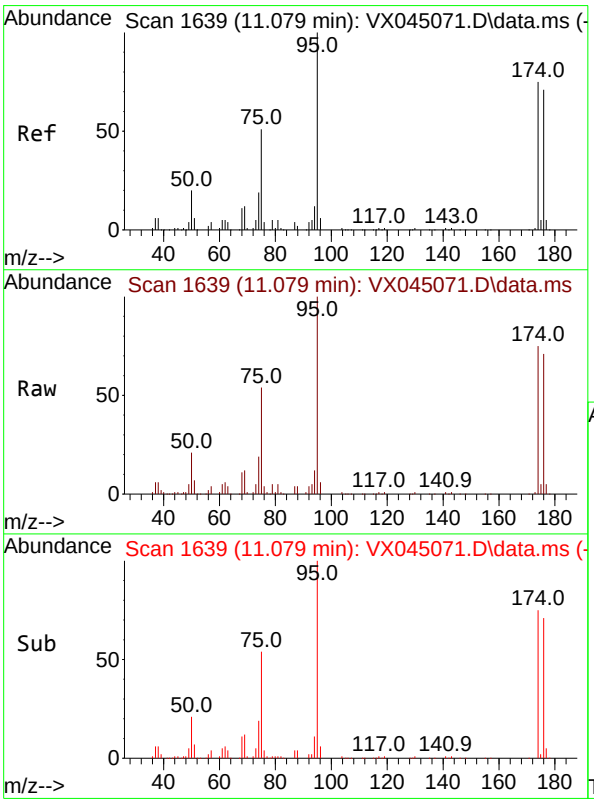
#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 66312

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1

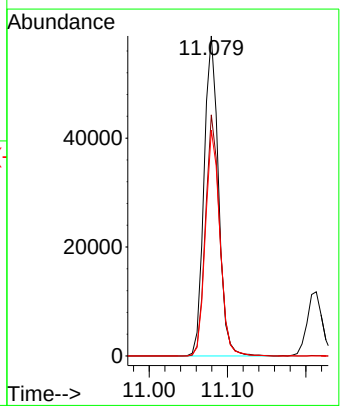


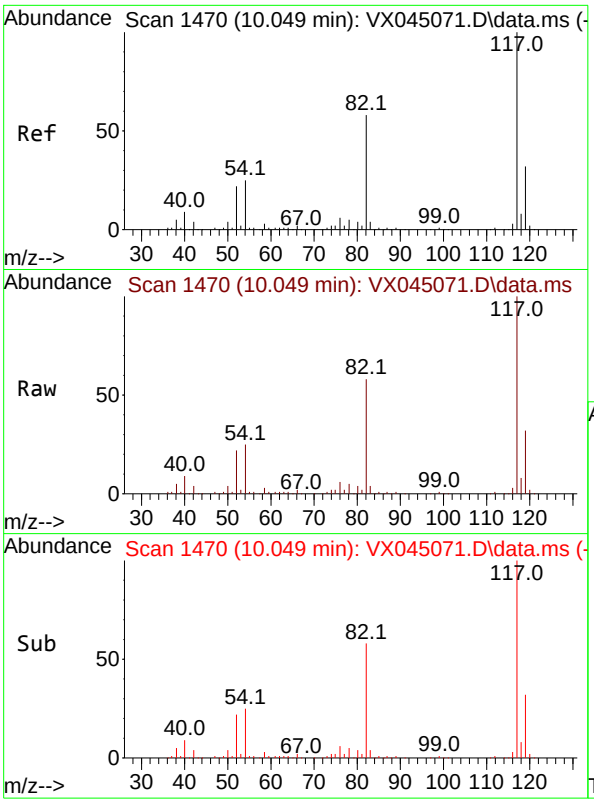


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 95 Resp: 74945

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	148.2
176	70.7	0.0	141.4



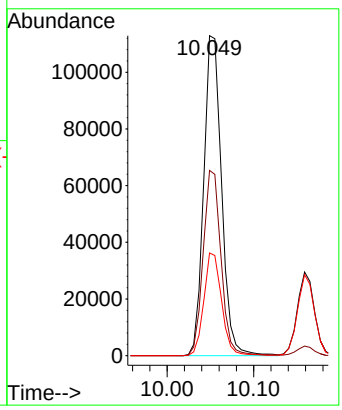


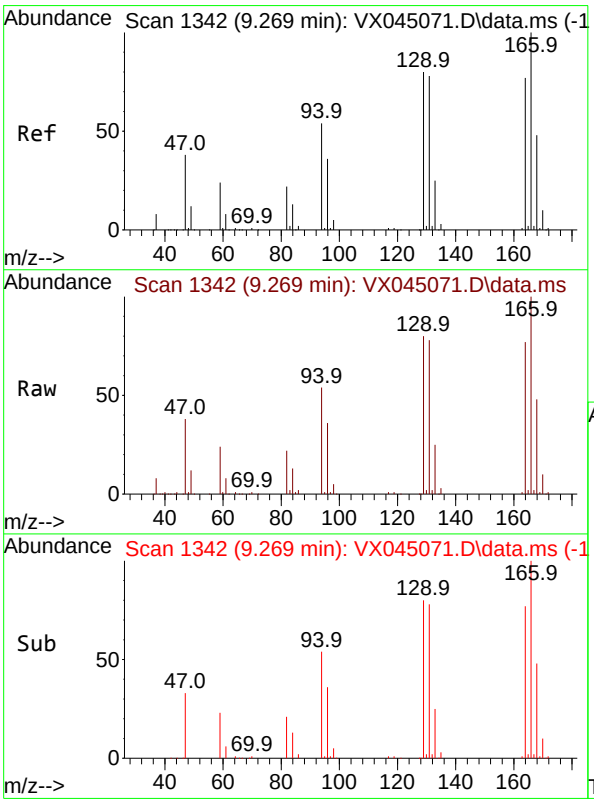
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 162079

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.1	25.7	38.5

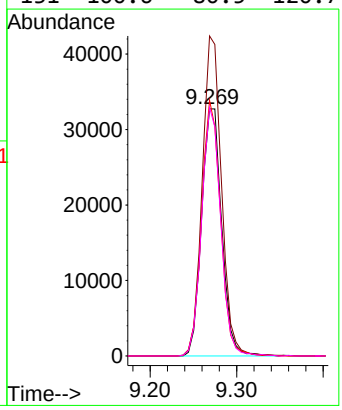


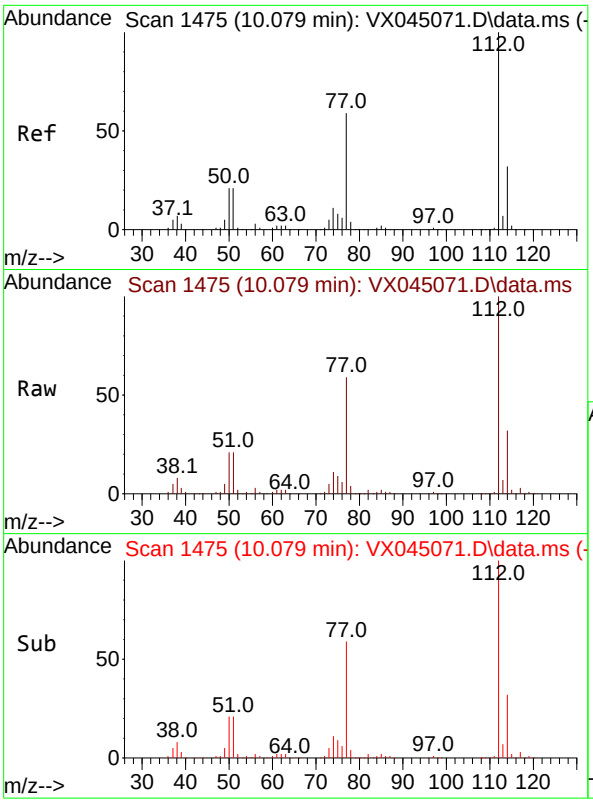


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:164 Resp: 52531

Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	103.4	82.7	124.1
131	100.6	80.5	120.7



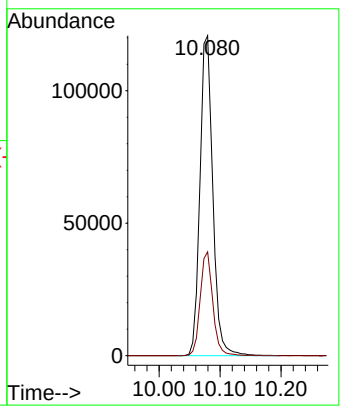


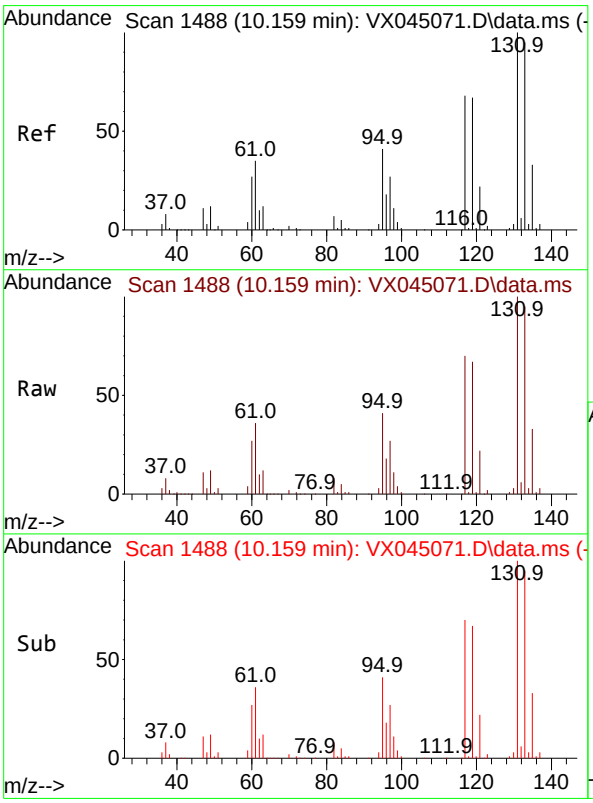
#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 176922

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

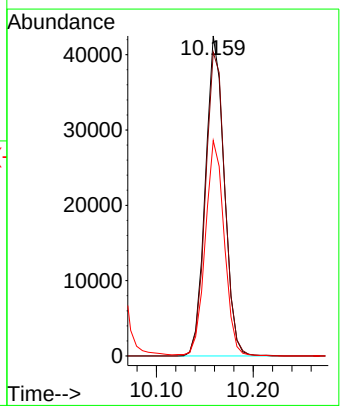


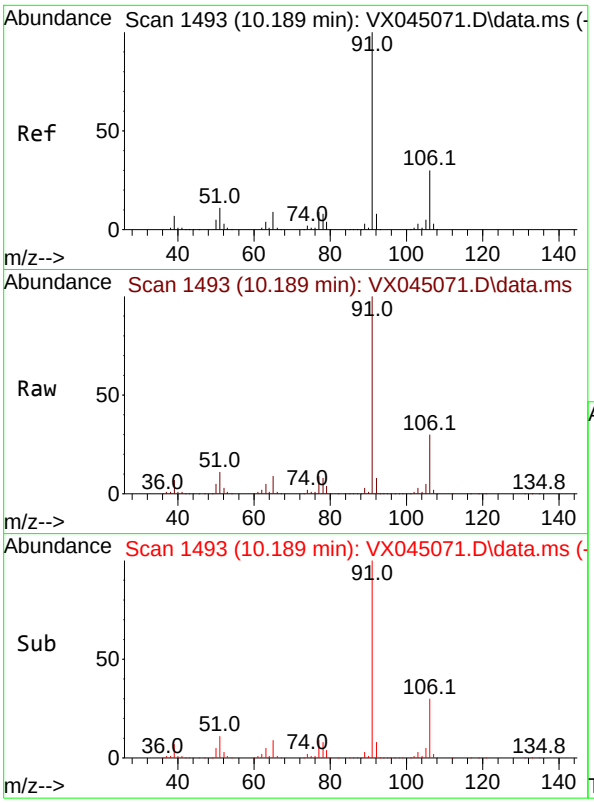


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:131 Resp: 57642

Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.6	145.9
119	67.8	33.9	101.7



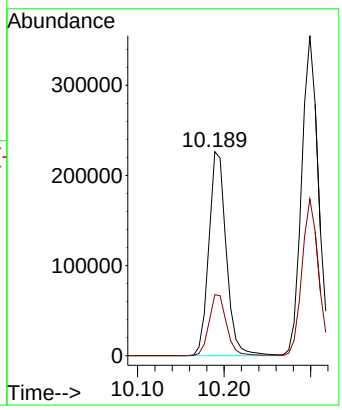


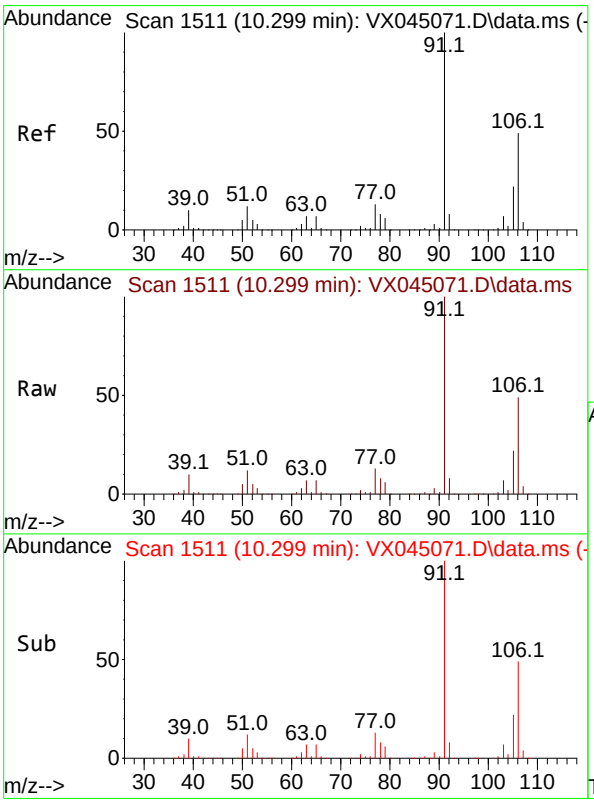
#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 316427

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

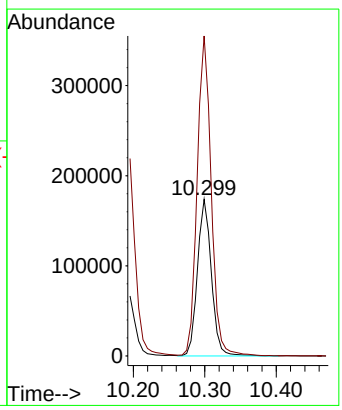


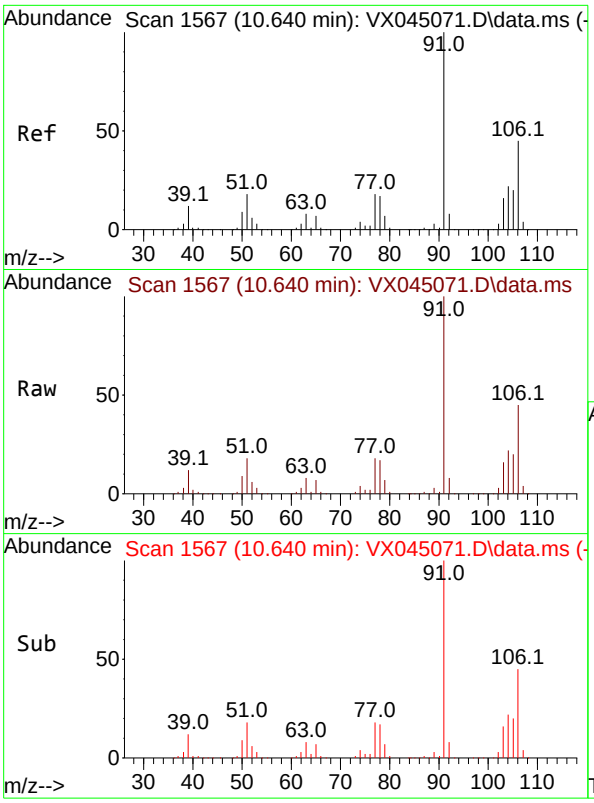


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0



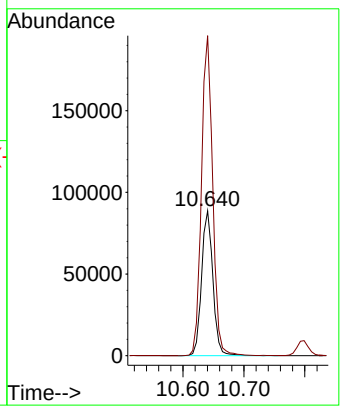


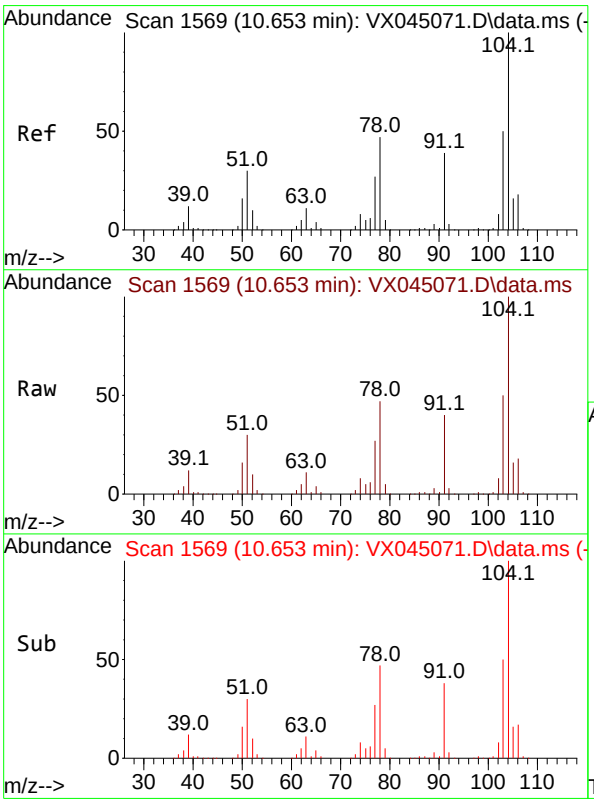
#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 114440

Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6

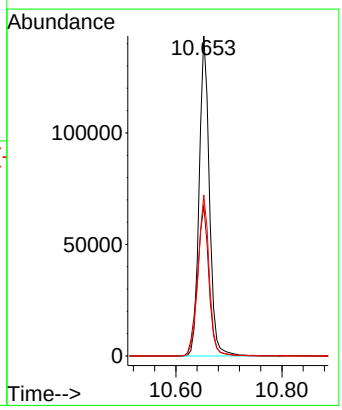


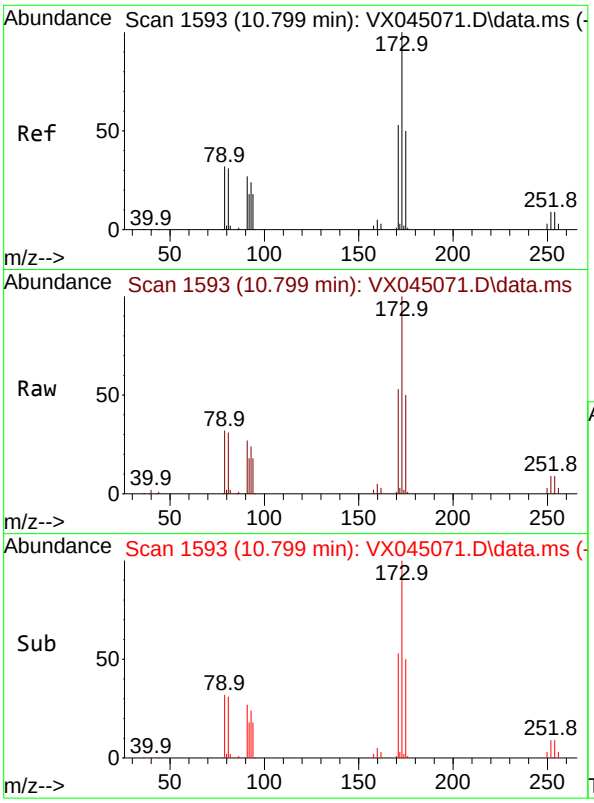


#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:104 Resp: 191406

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	54.8	43.8	65.8



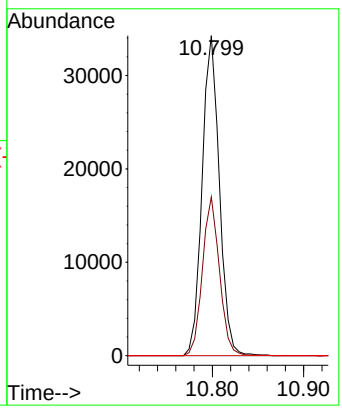


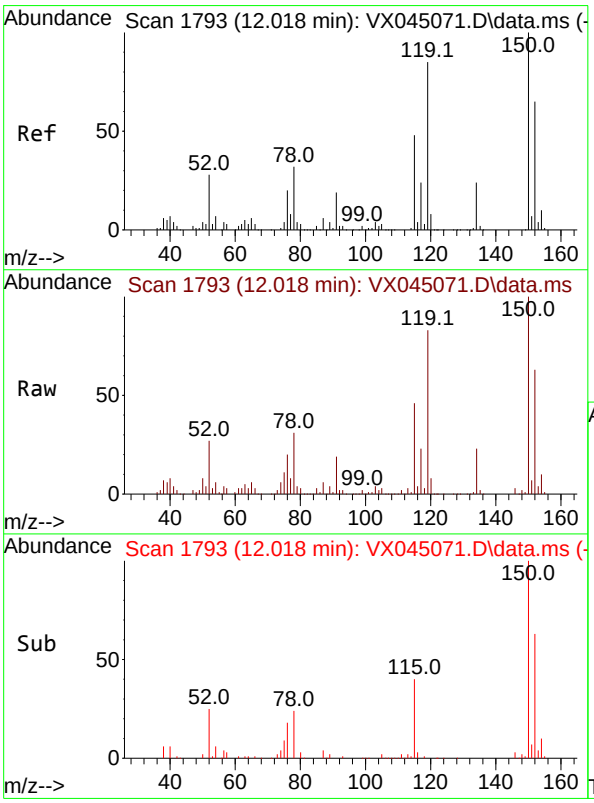
#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 44730

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0

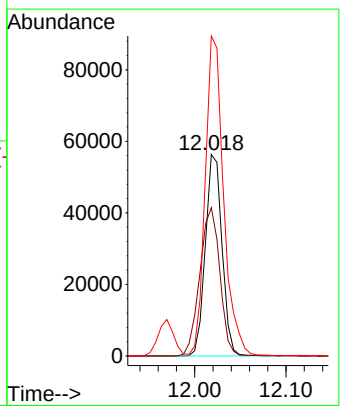


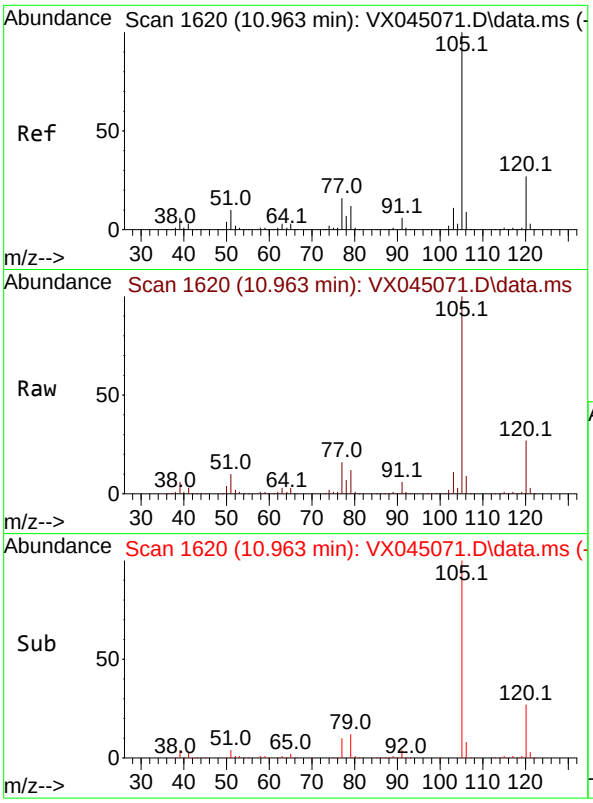


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:152 Resp: 71264

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.2	132.6
150	174.5	0.0	349.0



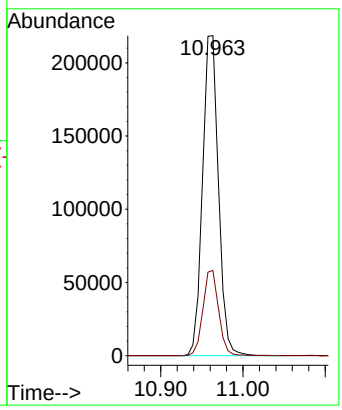


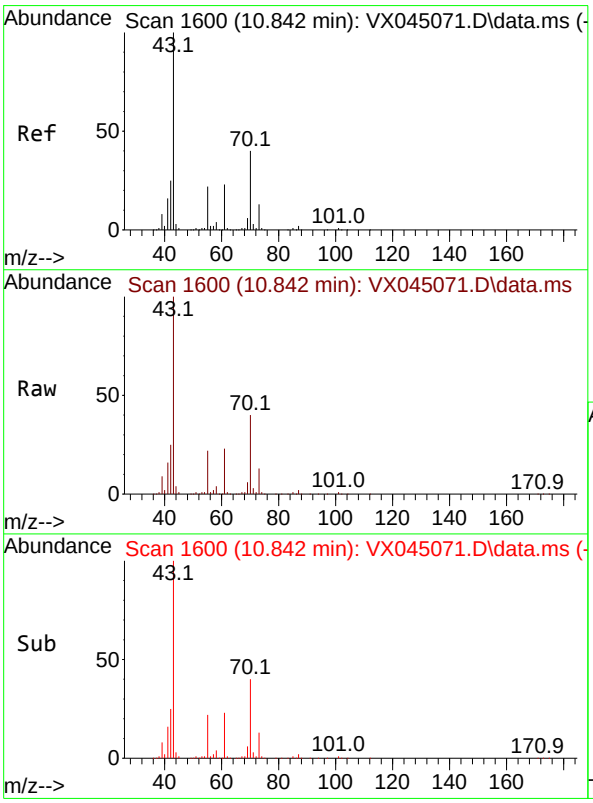
#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 294694

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

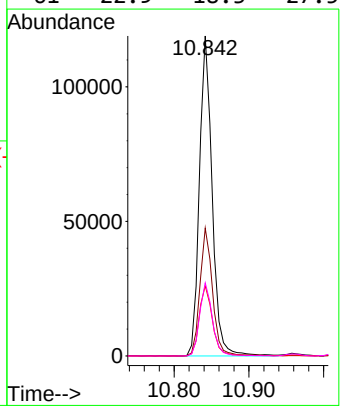


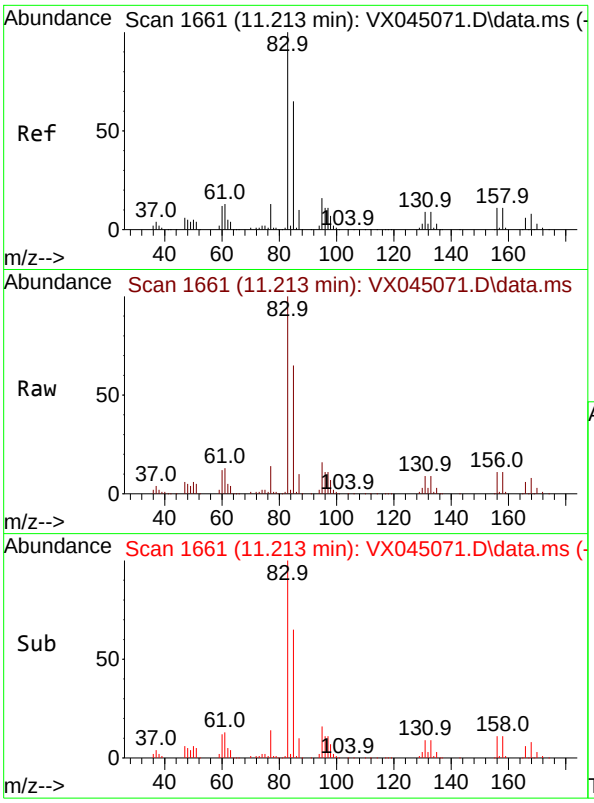


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 140869

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	22.9	18.3	27.5
61	22.9	18.3	27.5



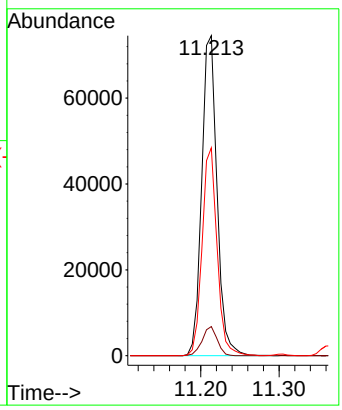


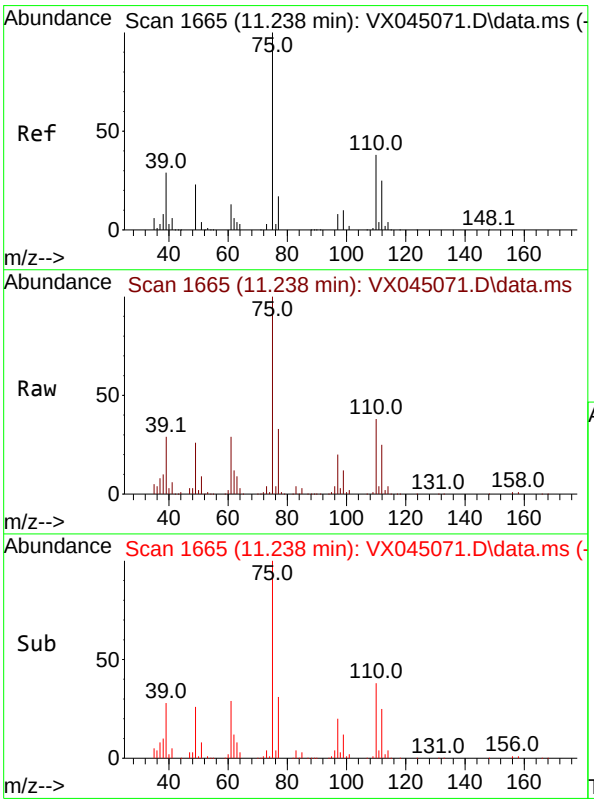
#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 101089

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1

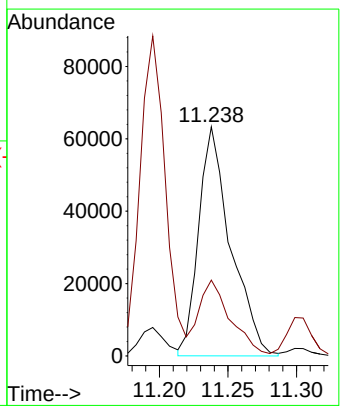


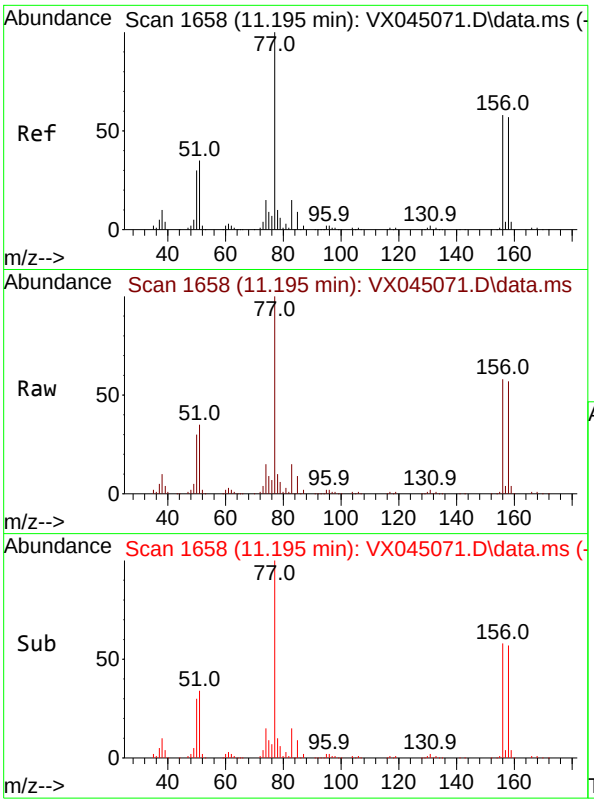


#76
1,2,3-Trichloropropane
Concen: 64.894 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 103161

Ion	Ratio	Lower	Upper
75	100		
77	32.8	20.7	62.1



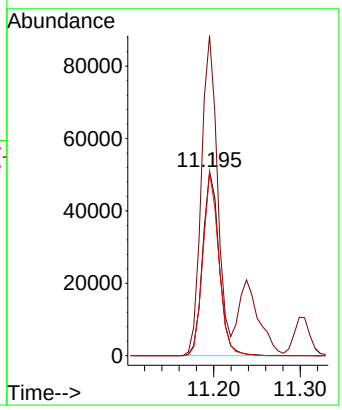


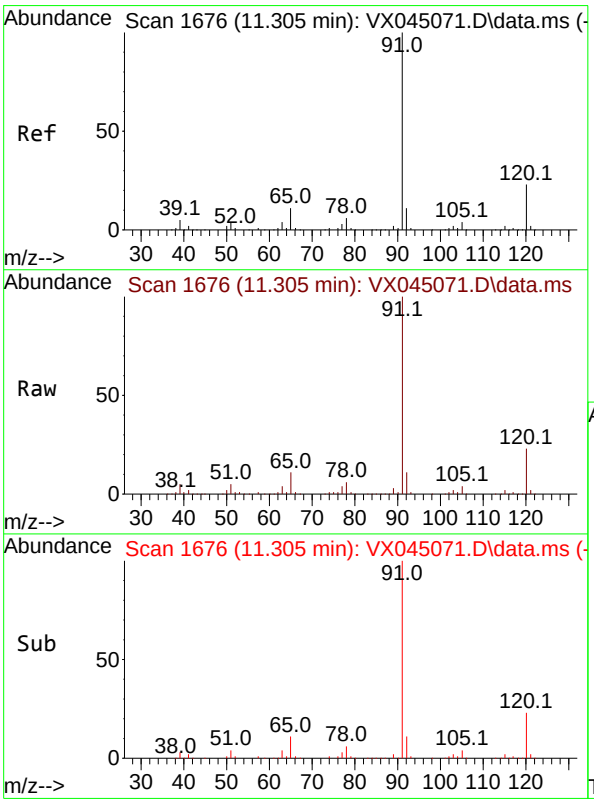
#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 66904

Ion	Ratio	Lower	Upper
156	100		
77	171.6	85.8	257.4
158	96.8	48.4	145.2

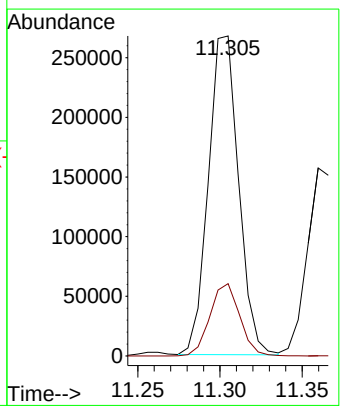


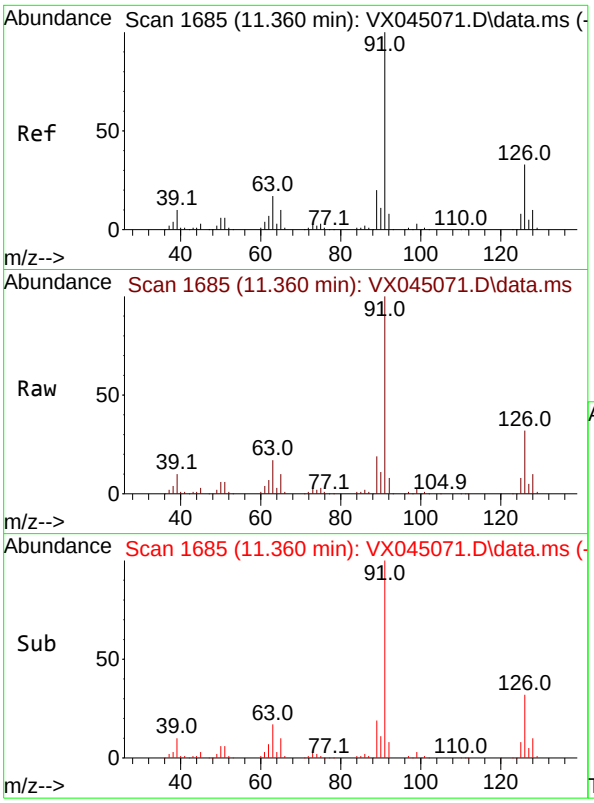


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6



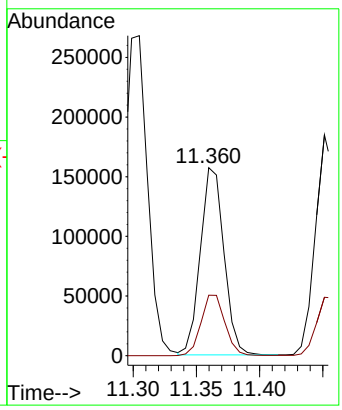


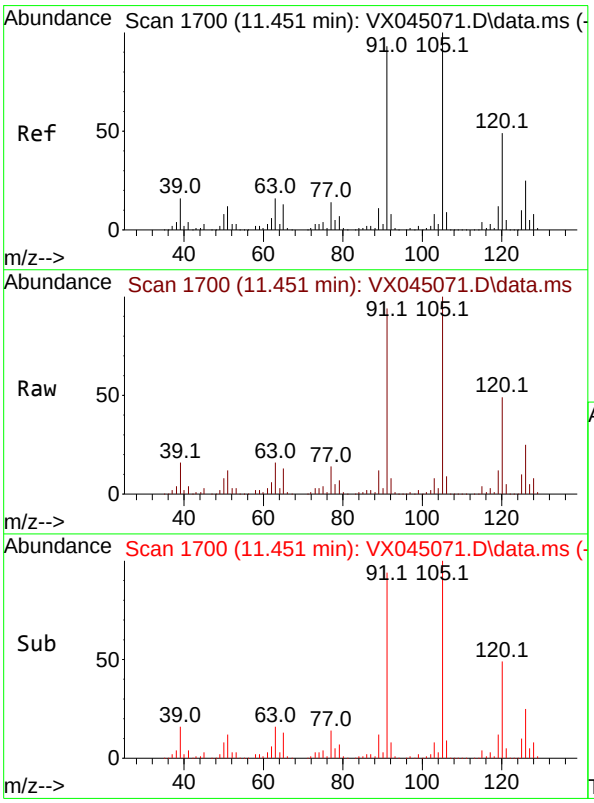
#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 204484

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

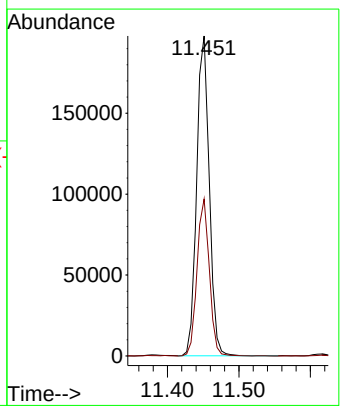


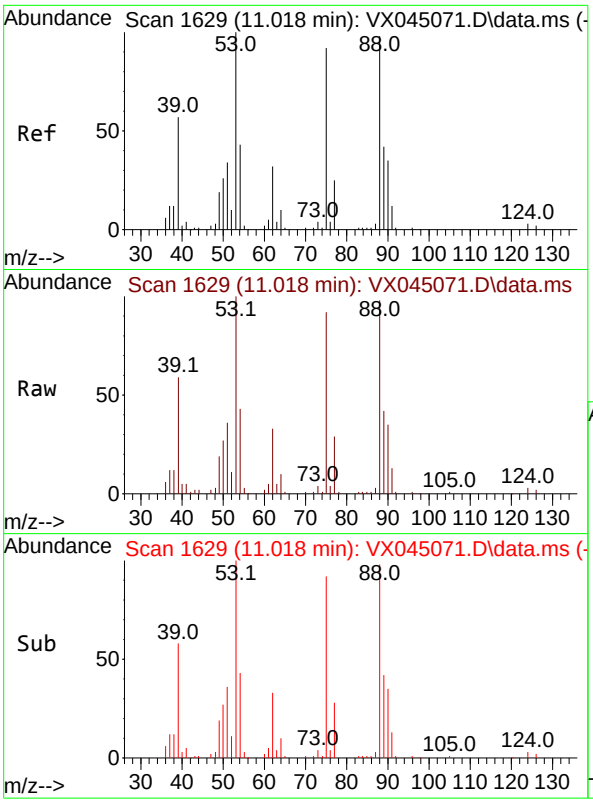


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 241129

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.1	72.2



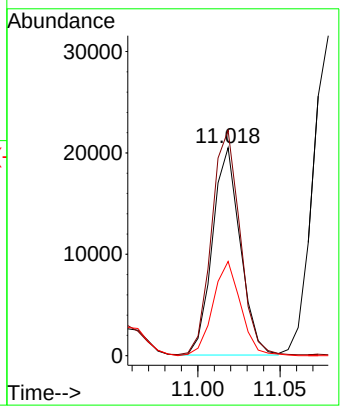


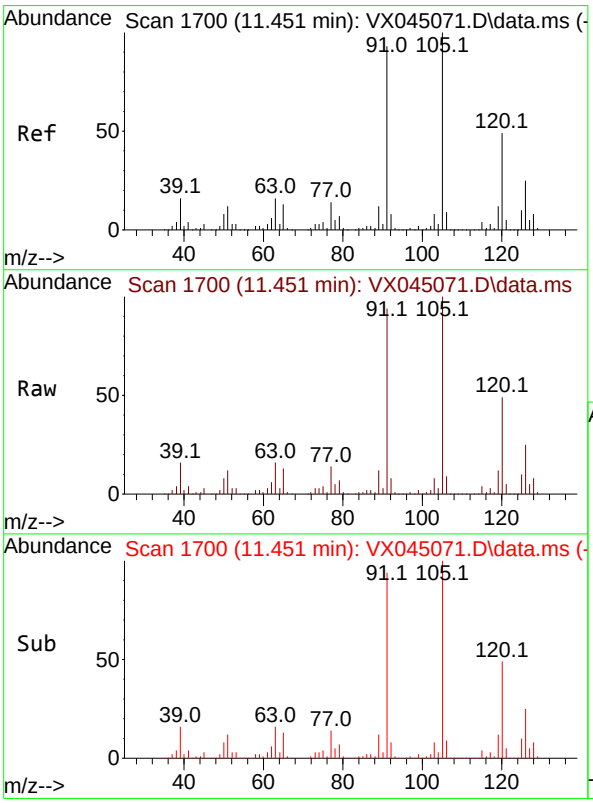
#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 24135

Ion	Ratio	Lower	Upper
75	100		
53	110.6	88.5	132.7
89	45.3	36.2	54.4

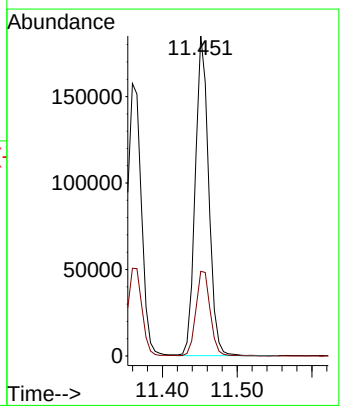


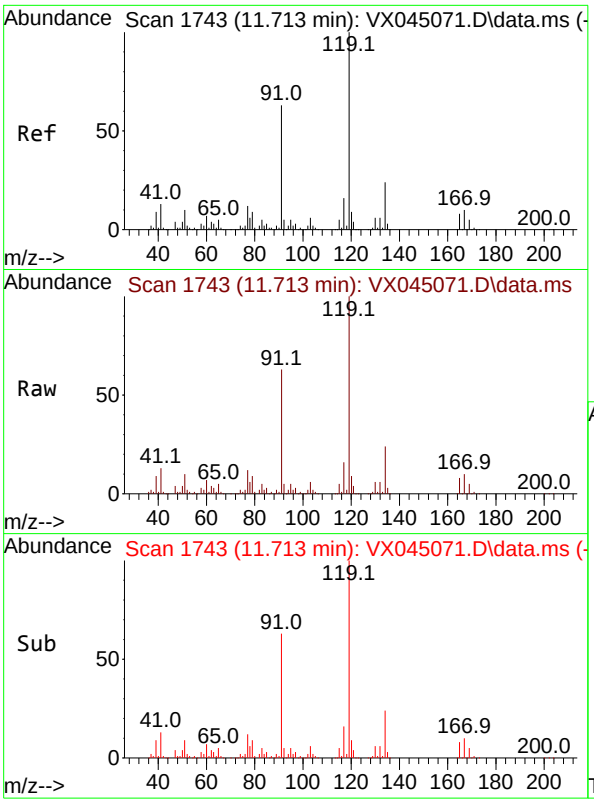


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4



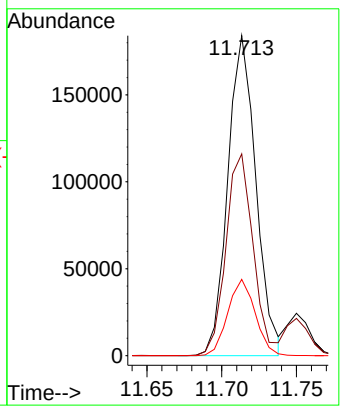


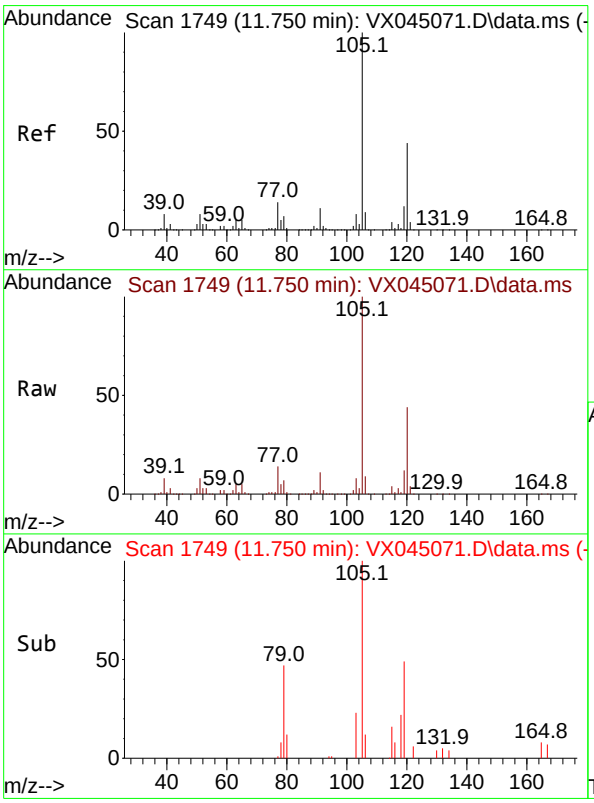
#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 240510

Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	23.3	11.7	35.0

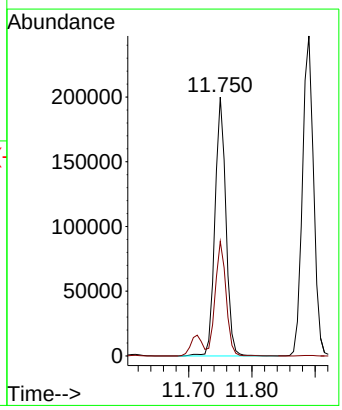


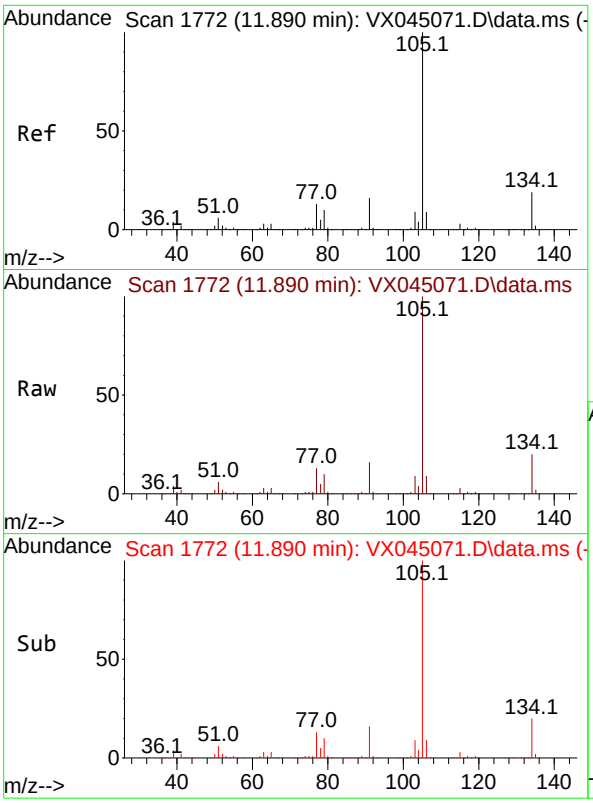


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



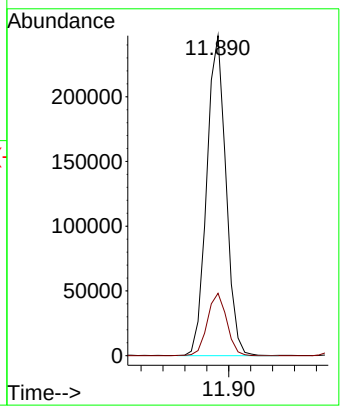


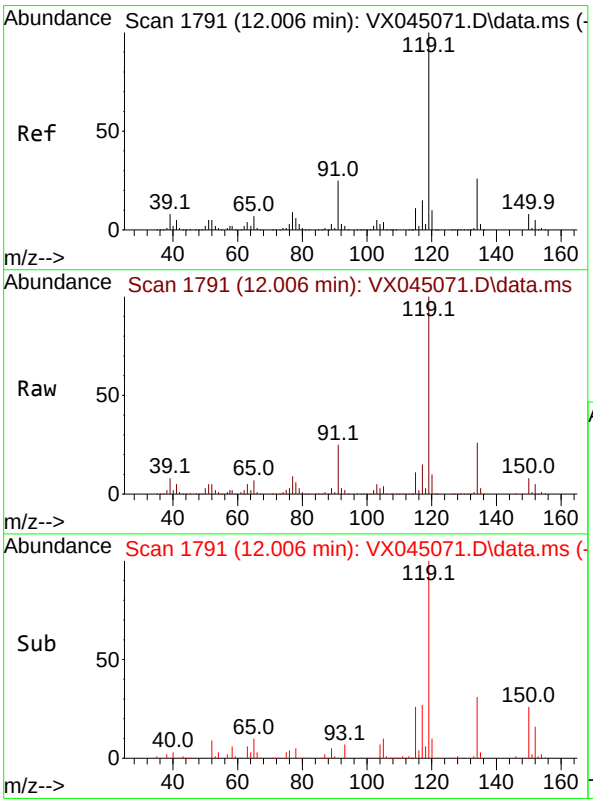
#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 300393

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

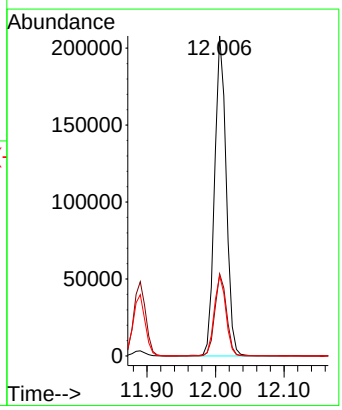


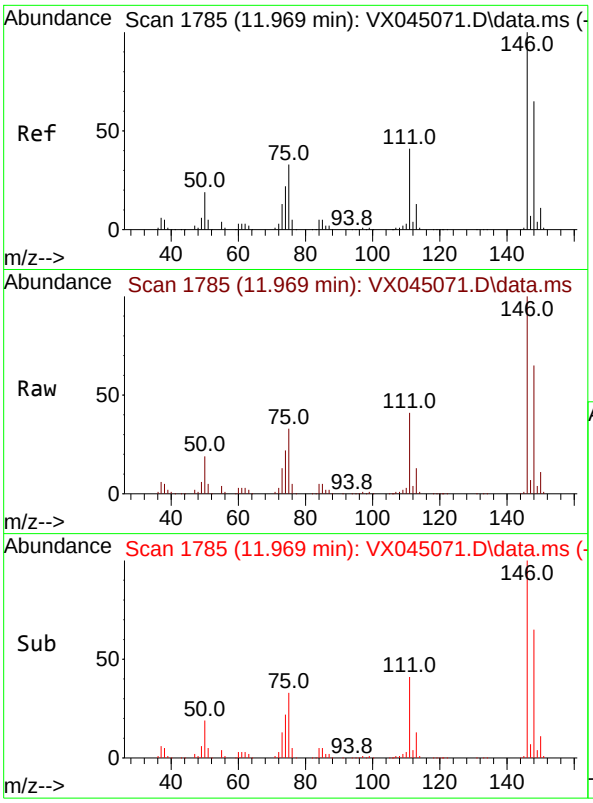


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 244031

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.3	12.7	38.0



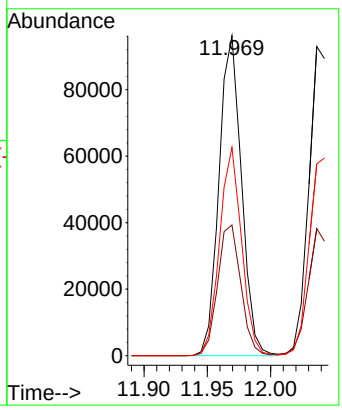


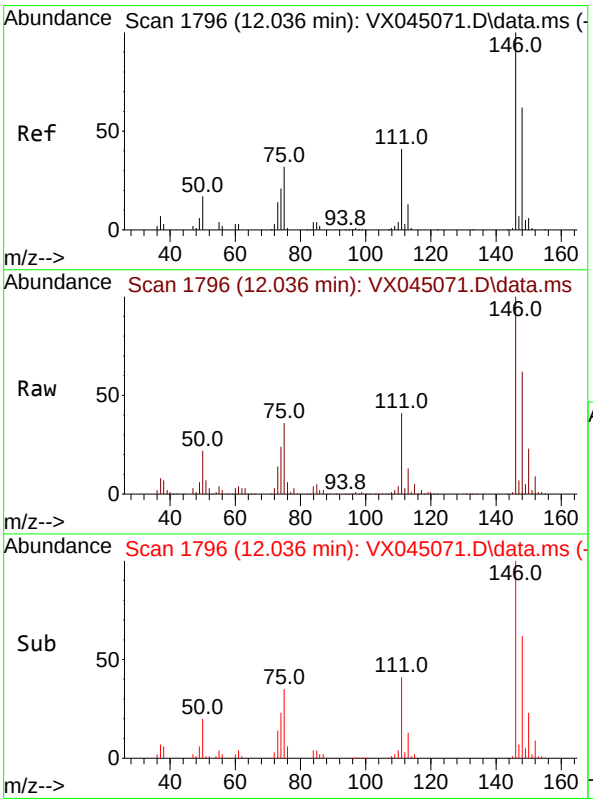
#87
1,3-Dichlorobenzene
Concen: 49.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 118879

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7

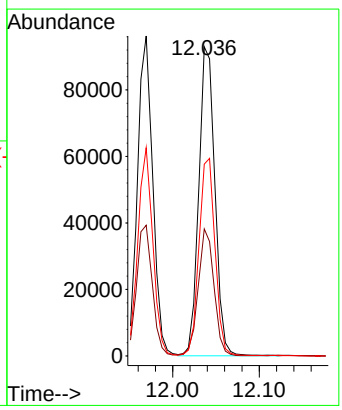


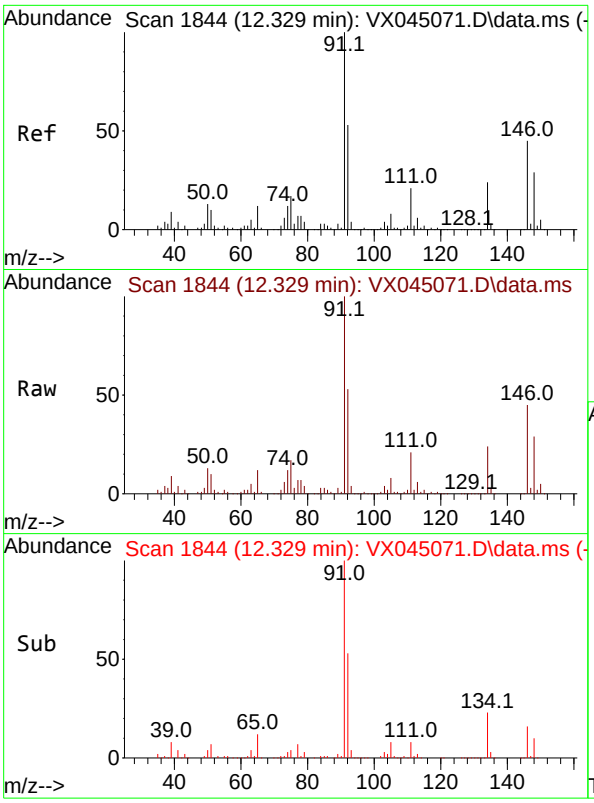


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 120217

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.9	31.9	95.9



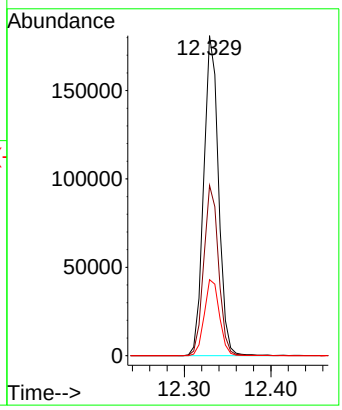


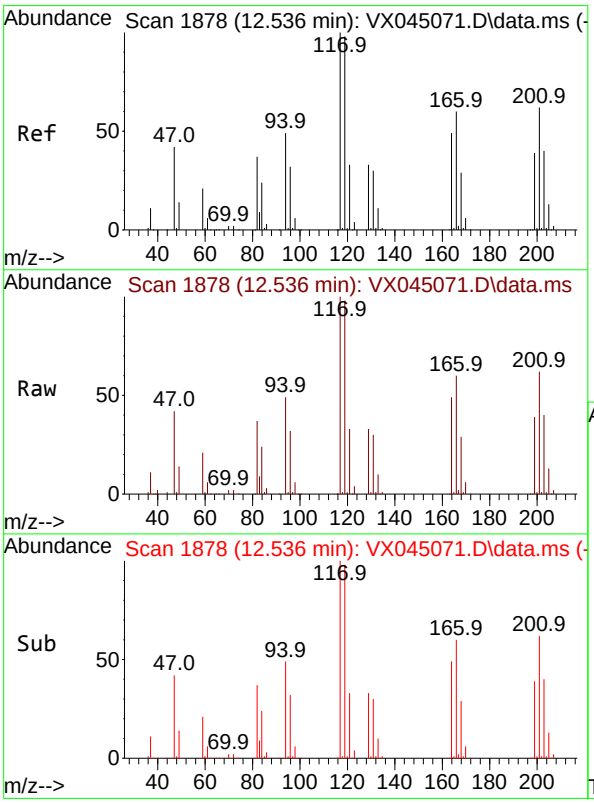
#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 214685

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.4	12.2	36.6

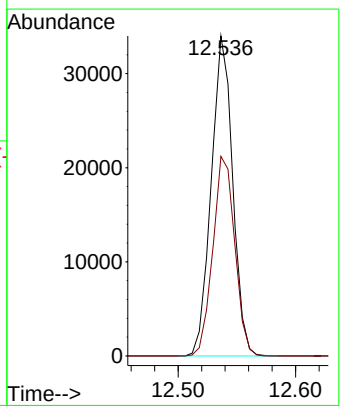


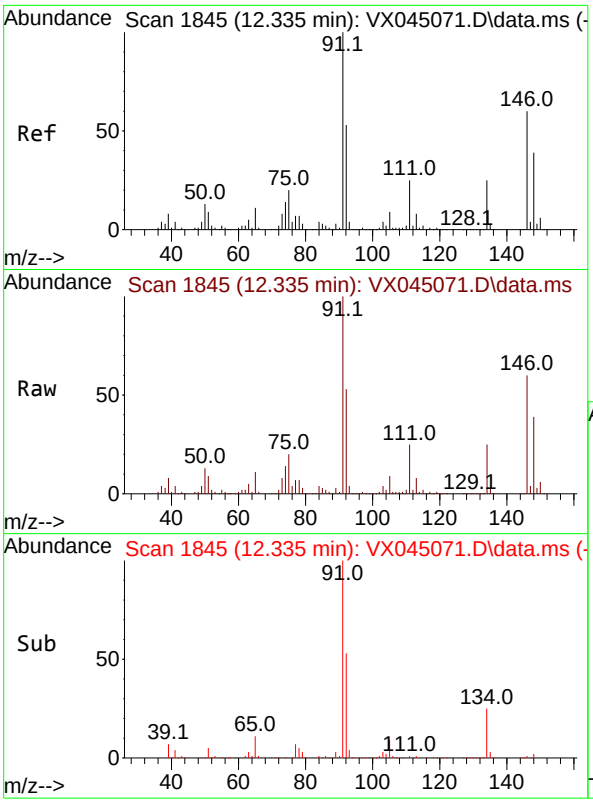


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9



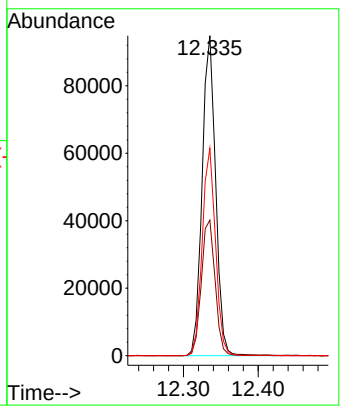


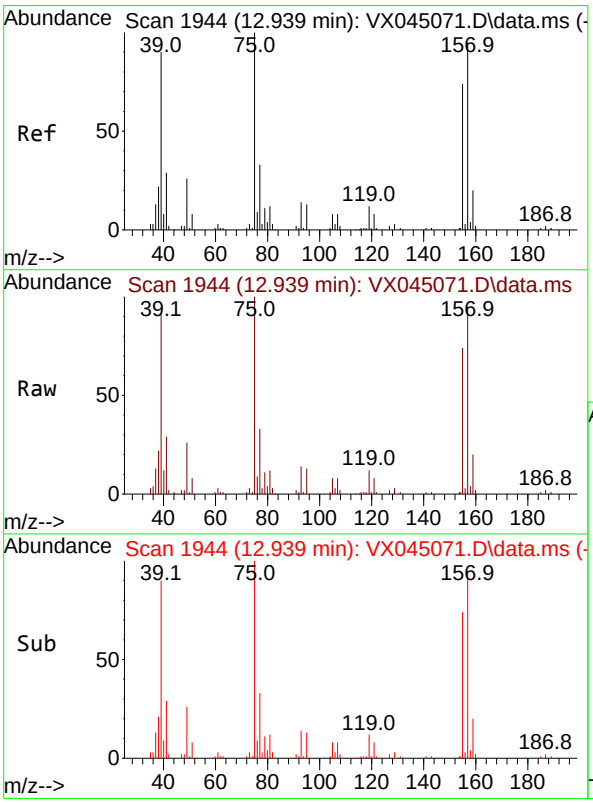
#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 118896

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.9	31.9	95.9

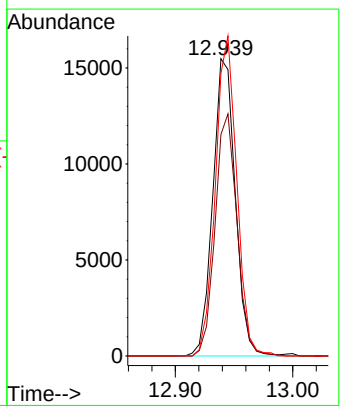


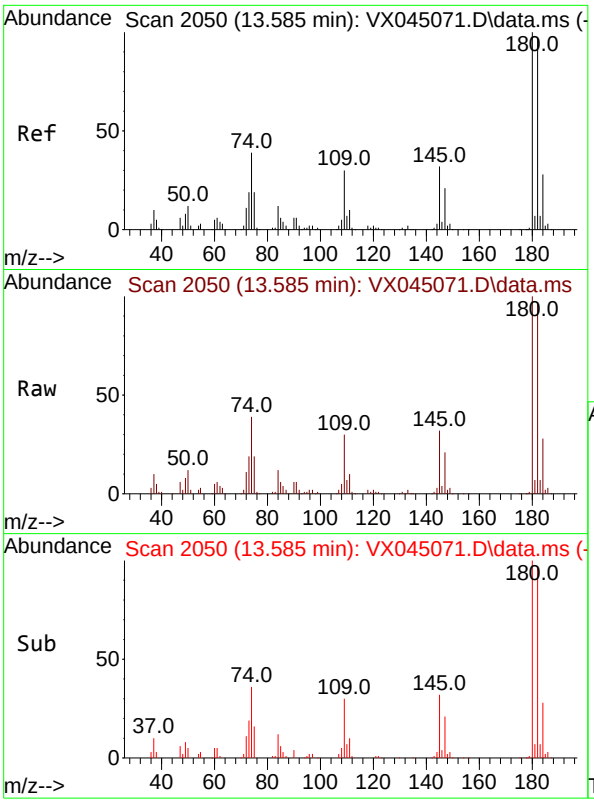


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 20610

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.6	118.7
157	102.3	51.1	153.4



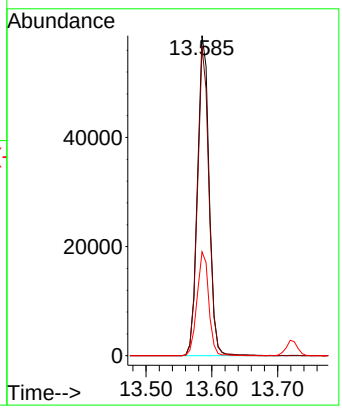


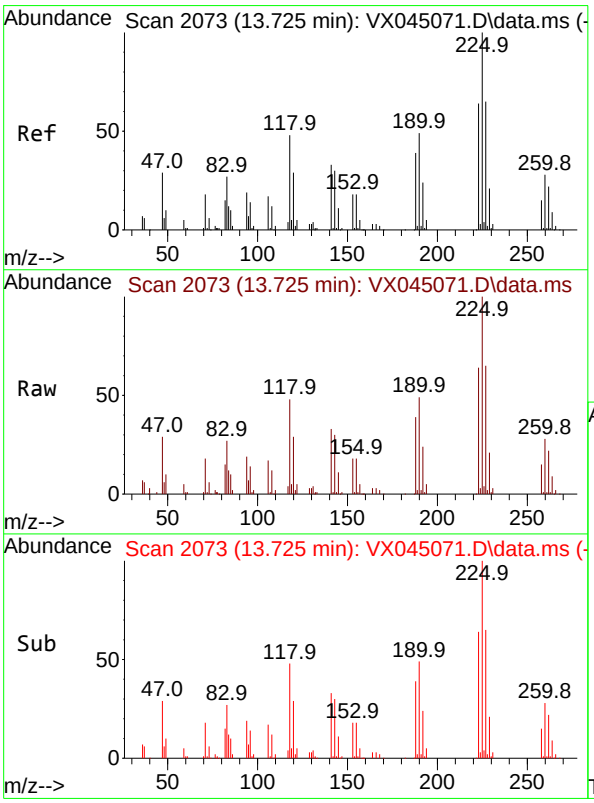
#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 71897

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.6	16.3	48.9

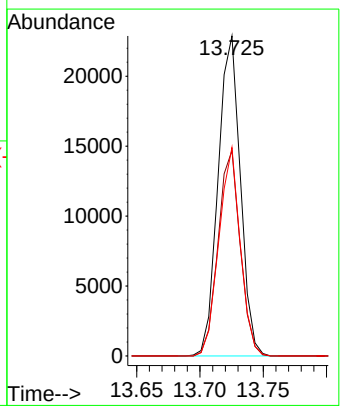


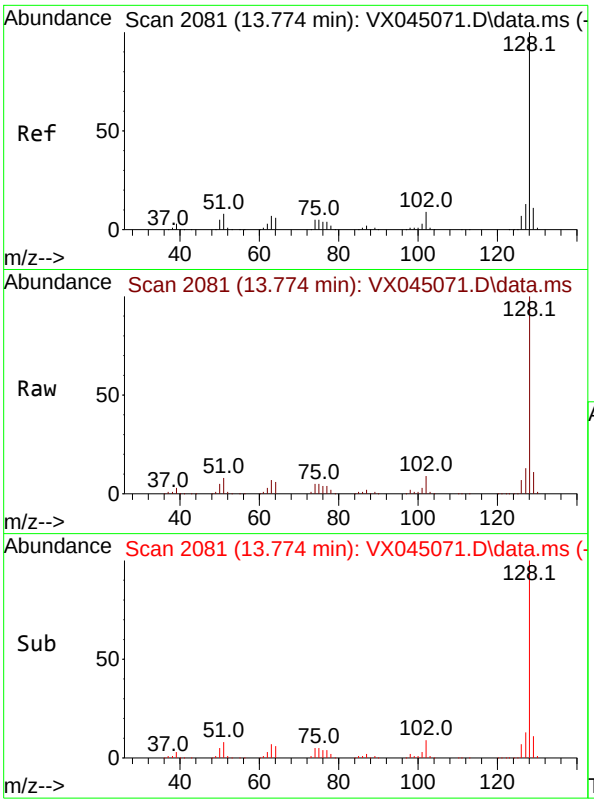


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:225 Resp: 27916

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	62.7	31.4	94.0



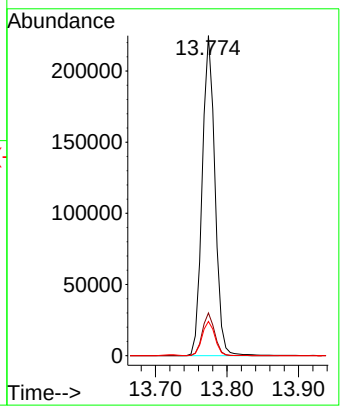


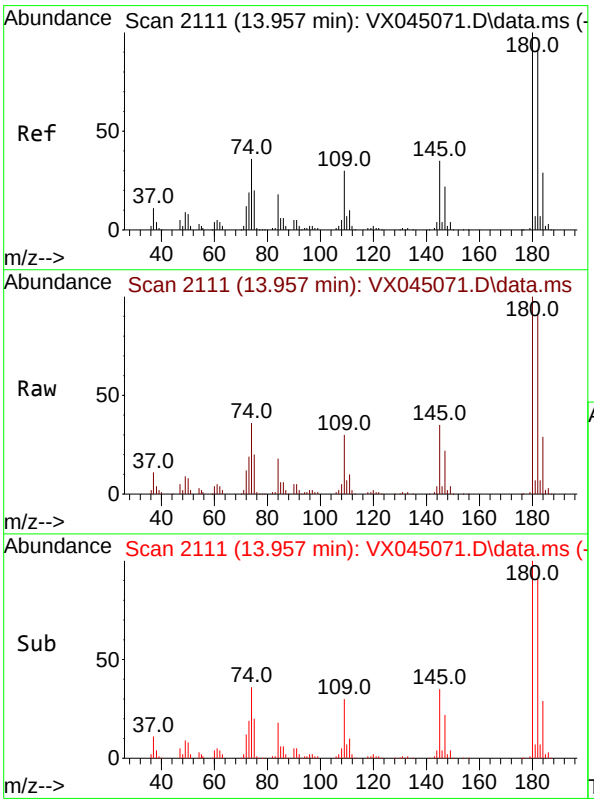
#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 278086

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

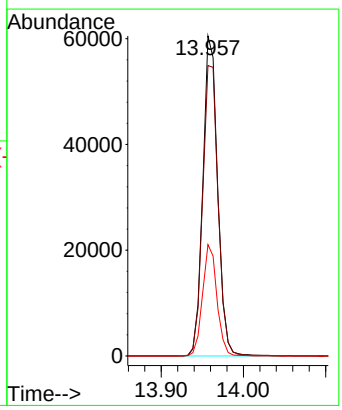




#96
1,2,3-Trichlorobenzene
Concen: 52.406 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:180 Resp: 75482

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	33.9	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158452	106.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 212.020%#			
35) Dibromofluoromethane	5.385	113	123185	104.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.220%#			
50) Toluene-d8	8.647	98	441188	99.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.200%#			
62) 4-Bromofluorobenzene	11.079	95	148476	100.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	126718	90.869	ug/l	95
3) Chloromethane	1.306	50	145825	85.936	ug/l	98
4) Vinyl Chloride	1.373	62	154734	93.360	ug/l	96
5) Bromomethane	1.593	94	57503	110.980	ug/l	97
6) Chloroethane	1.660	64	60155	95.351	ug/l	97
7) Trichlorofluoromethane	1.861	101	198701	93.594	ug/l	99
8) Diethyl Ether	2.135	74	78263	101.441	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	120518	95.064	ug/l	98
10) Methyl Iodide	2.440	142	153466	94.425	ug/l	99
11) Tert butyl alcohol	3.001	59	135016	493.141	ug/l	98
12) 1,1-Dichloroethene	2.306	96	125436	96.366	ug/l	98
13) Acrolein	2.239	56	180411	608.485	ug/l	99
14) Allyl chloride	2.654	41	220783	94.344	ug/l	98
15) Acrylonitrile	3.068	53	391946	526.749	ug/l	100
16) Acetone	2.392	43	348698	566.991	ug/l	99
17) Carbon Disulfide	2.495	76	345572	97.574	ug/l	98
18) Methyl Acetate	2.709	43	175784	94.899	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	431413	103.661	ug/l	100
20) Methylene Chloride	2.782	84	140388	96.381	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	128232	100.164	ug/l	98
22) Diisopropyl ether	3.763	45	467534	104.489	ug/l	98
23) Vinyl Acetate	3.721	43	2035880	554.219	ug/l	99
24) 1,1-Dichloroethane	3.605	63	257023	102.805	ug/l	100
25) 2-Butanone	4.562	43	559182	563.952	ug/l	99
26) 2,2-Dichloropropane	4.470	77	124805	67.148	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	155193	100.568	ug/l	99
28) Bromochloromethane	4.897	49	113848	94.428	ug/l	98
29) Tetrahydrofuran	5.007	42	365565	556.465	ug/l	100
30) Chloroform	5.092	83	248978	101.814	ug/l	97
31) Cyclohexane	5.464	56	231082	100.711	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	211302	102.638	ug/l	99
36) 1,1-Dichloropropene	5.690	75	172295	101.258	ug/l	99
37) Ethyl Acetate	4.720	43	220327	113.796	ug/l	99
38) Carbon Tetrachloride	5.671	117	177219	105.940	ug/l	97
39) Methylcyclohexane	7.372	83	219856	101.175	ug/l	99
40) Benzene	6.031	78	541974	101.908	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	120186	116.205 ug/l	98
42) 1,2-Dichloroethane	6.086	62	189857	110.158 ug/l	99
43) Isopropyl Acetate	6.342	43	338414	109.806 ug/l	99
44) Trichloroethene	7.122	130	128124	105.402 ug/l	96
45) 1,2-Dichloropropane	7.427	63	135997	102.898 ug/l	100
46) Dibromomethane	7.580	93	97248	105.329 ug/l	99
47) Bromodichloromethane	7.817	83	191016	106.947 ug/l	97
48) Methyl methacrylate	7.695	41	165825	113.344 ug/l	99
49) 1,4-Dioxane	7.665	88	66308	2132.314 ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	1048140	555.050 ug/l	99
52) Toluene	8.714	92	316349	100.178 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	177352	100.462 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	200943	101.815 ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	123426	100.920 ug/l	99
56) Ethyl methacrylate	9.116	69	208782	106.744 ug/l	100
57) 1,3-Dichloropropane	9.305	76	216267	101.387 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	494551	514.987 ug/l	99
59) 2-Hexanone	9.433	43	779492	572.233 ug/l	99
60) Dibromochloromethane	9.518	129	139245	106.719 ug/l	99
61) 1,2-Dibromoethane	9.610	107	128617	104.259 ug/l	99
64) Tetrachloroethene	9.268	164	99386	103.491 ug/l	98
65) Chlorobenzene	10.079	112	332473	102.456 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	112451	107.511 ug/l	96
67) Ethyl Benzene	10.189	91	596257	103.905 ug/l	100
68) m/p-Xylenes	10.299	106	432214	204.507 ug/l	99
69) o-Xylene	10.640	106	213835	100.849 ug/l	99
70) Styrene	10.652	104	357649	104.948 ug/l	99
71) Bromoform	10.799	173	90800	116.751 ug/l #	99
73) Isopropylbenzene	10.963	105	553533	99.138 ug/l	99
74) N-amyl acetate	10.841	43	287104	113.277 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	192217	99.923 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	203020	131.738 ug/l	86
77) Bromobenzene	11.195	156	125700	99.175 ug/l	97
78) n-propylbenzene	11.305	91	648835	100.758 ug/l	99
79) 2-Chlorotoluene	11.359	91	382703	96.825 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	445466	98.356 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	51975	91.460 ug/l	99
82) 4-Chlorotoluene	11.451	91	433881	99.168 ug/l	100
83) tert-Butylbenzene	11.713	119	454859	99.288 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	450108	100.926 ug/l	99
85) sec-Butylbenzene	11.890	105	570006	100.517 ug/l	100
86) p-Isopropyltoluene	12.006	119	465512	102.252 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	231440	99.903 ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	230663	98.355 ug/l	99
89) n-Butylbenzene	12.329	91	428209	107.000 ug/l	99
90) Hexachloroethane	12.536	117	87448	102.980 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	233125	102.254 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41402	116.296 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	148368	107.648 ug/l	99
94) Hexachlorobutadiene	13.725	225	56065	102.019 ug/l	99
95) Naphthalene	13.774	128	565250	112.593 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	152970	109.554 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

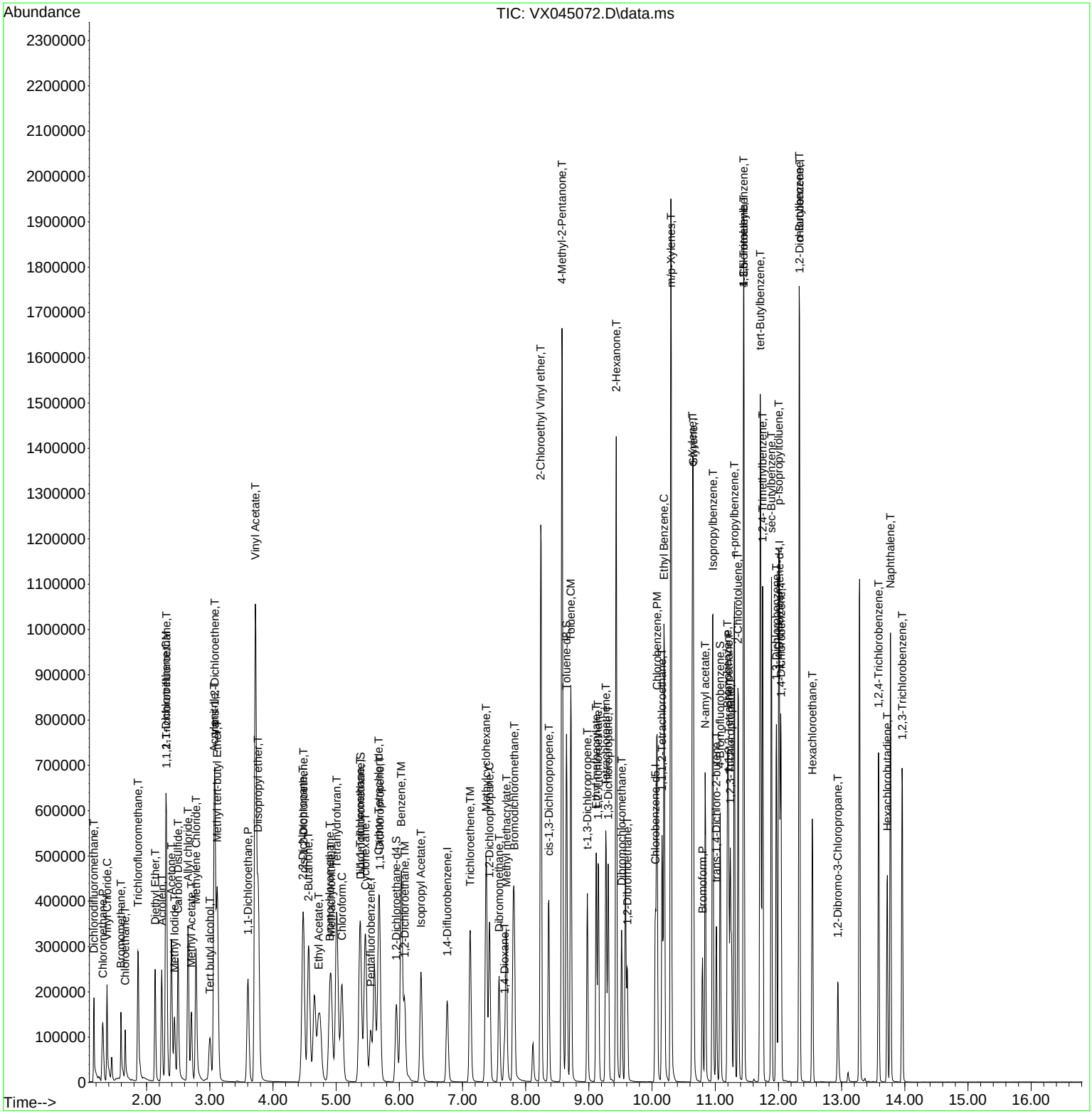
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

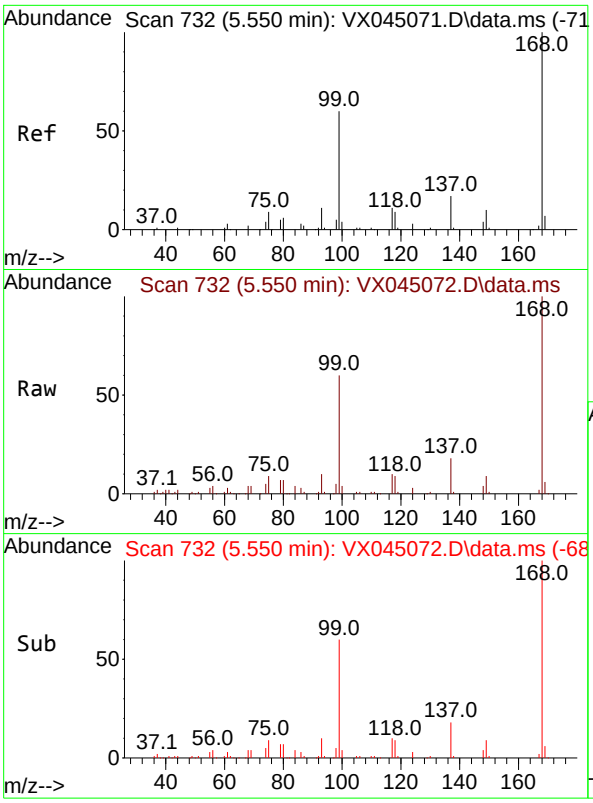
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



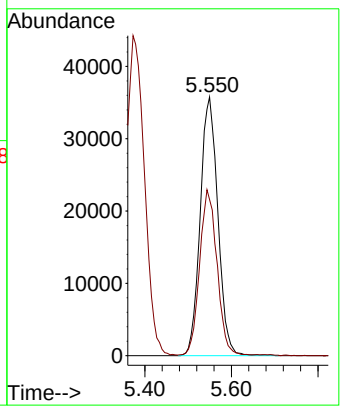


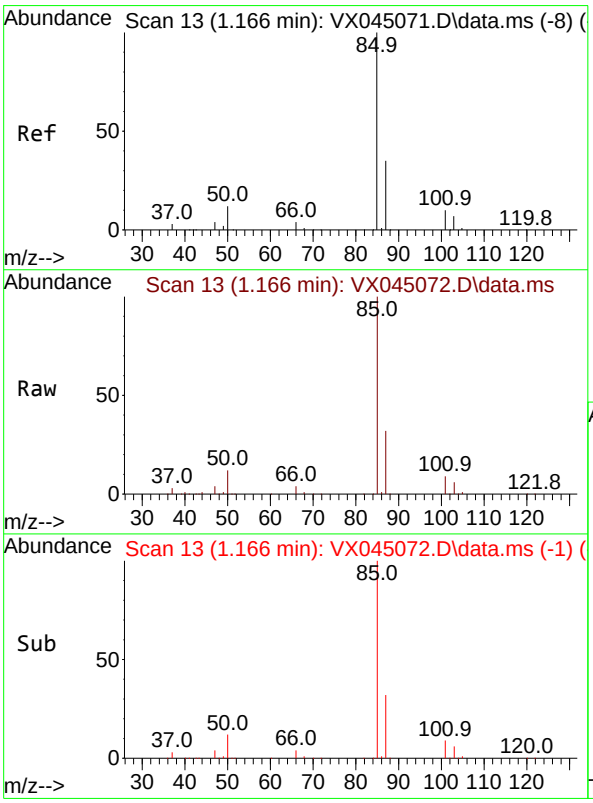
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 101178

Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4

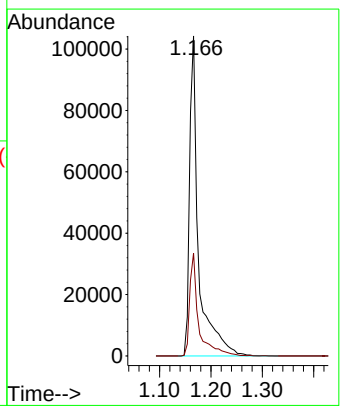


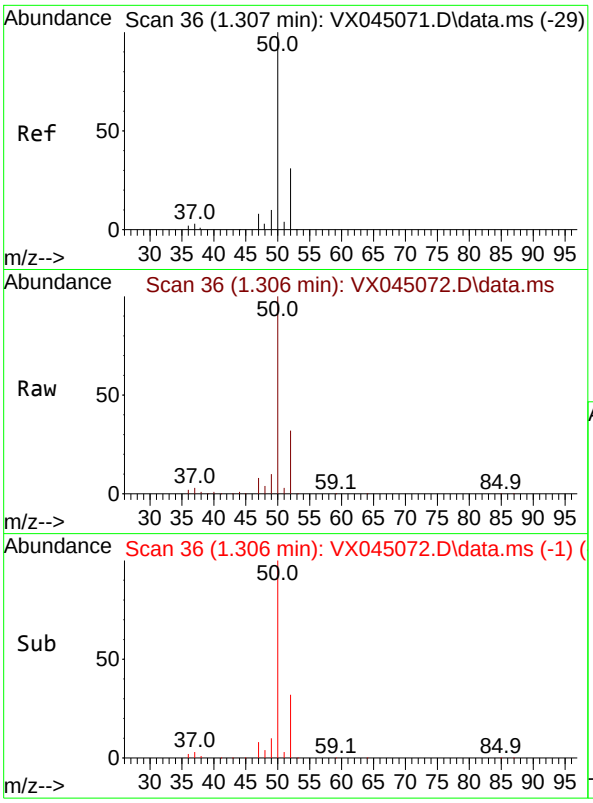


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3



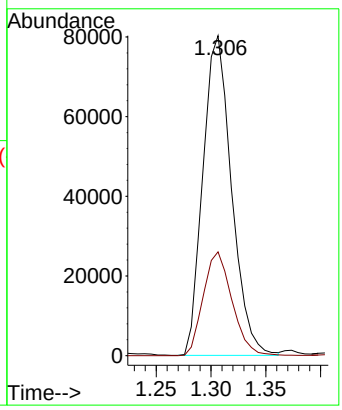


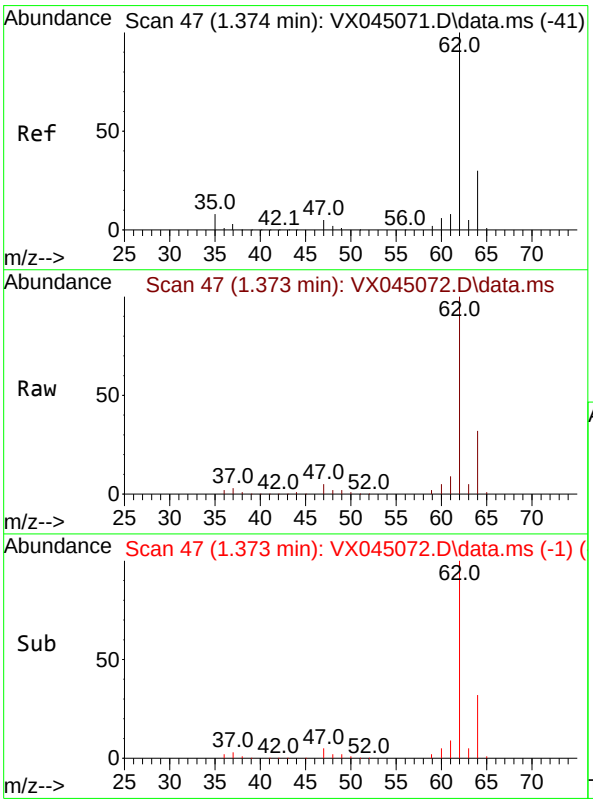
#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 145825

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4

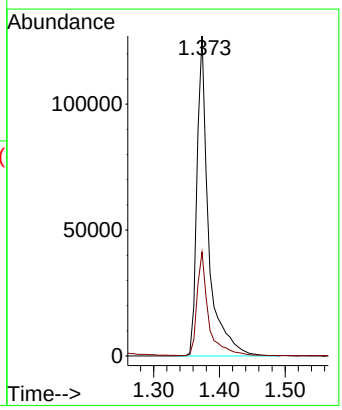


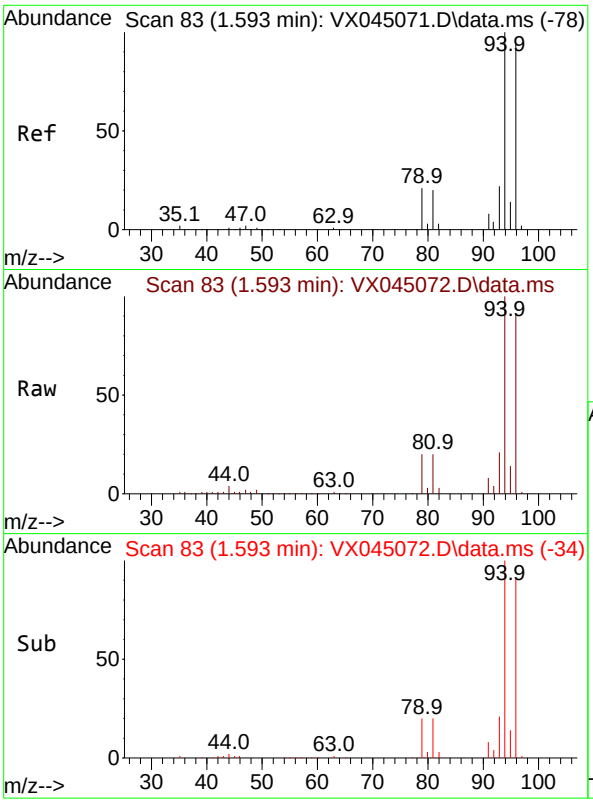


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5



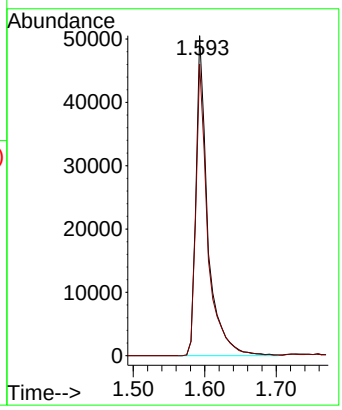


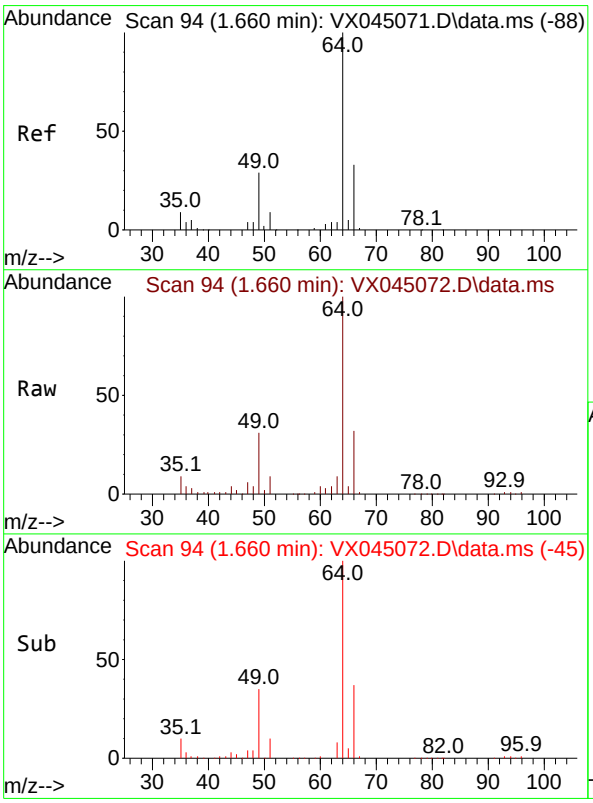
#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 57503

Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4

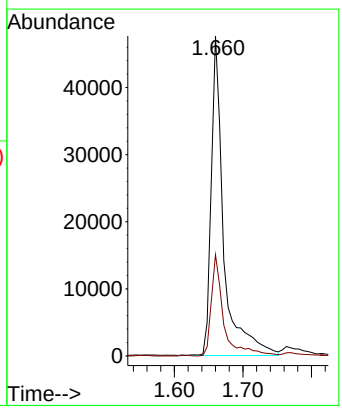


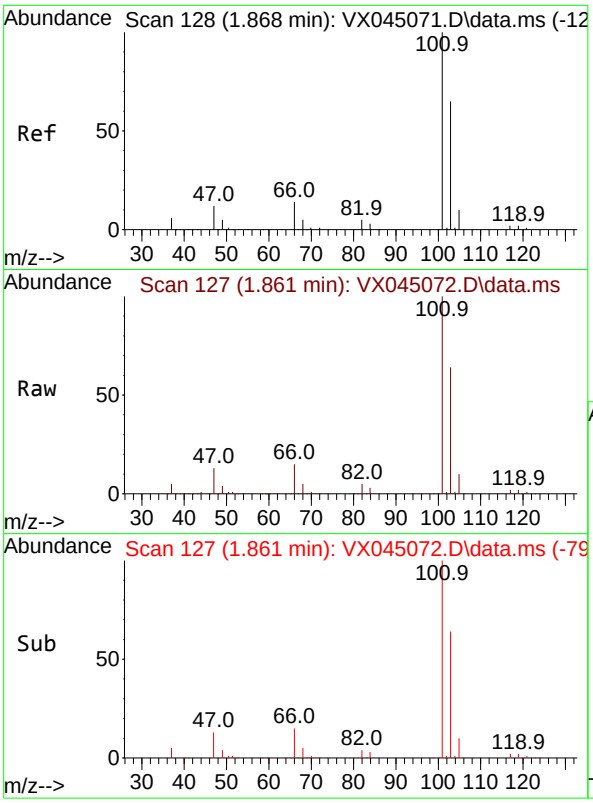


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 64 Resp: 60155

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.7	40.1



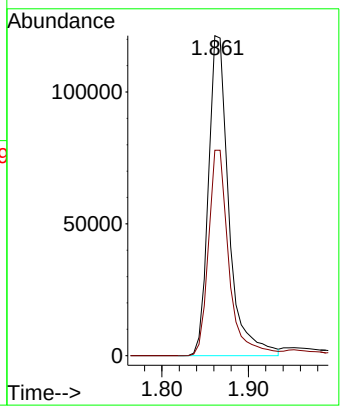


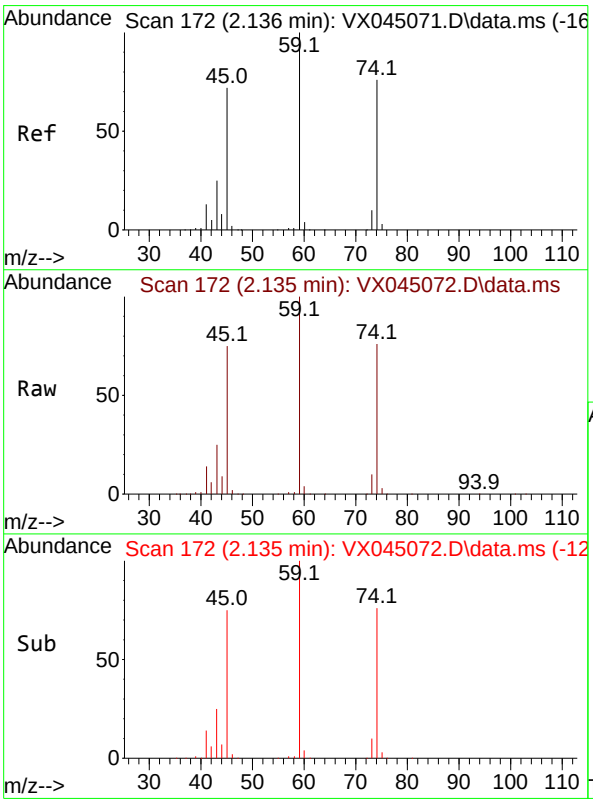
#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 198701

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

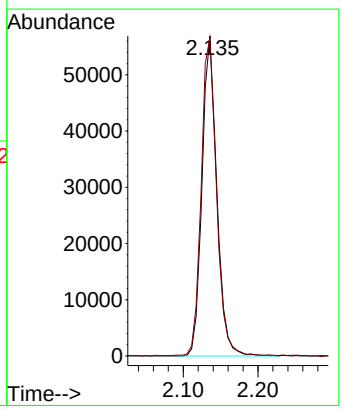


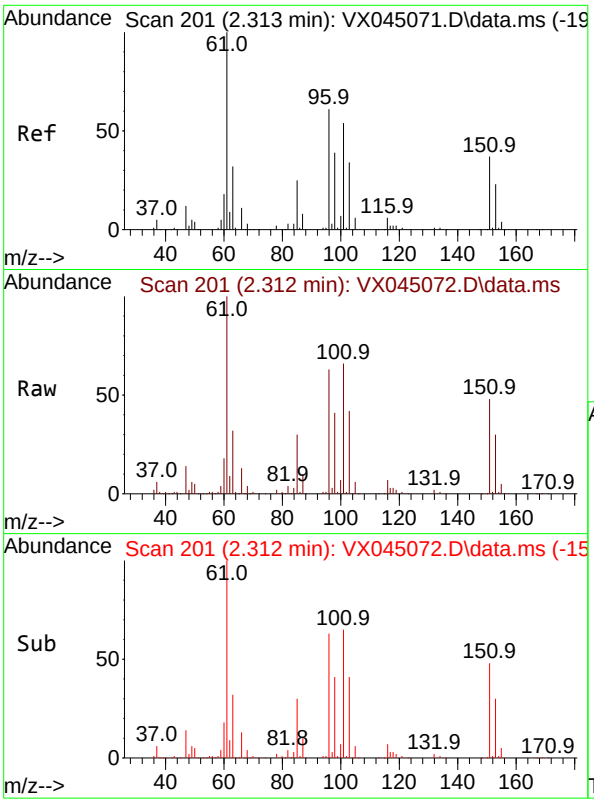


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 74 Resp: 78263

Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.5



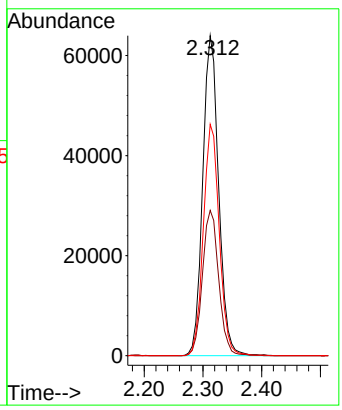


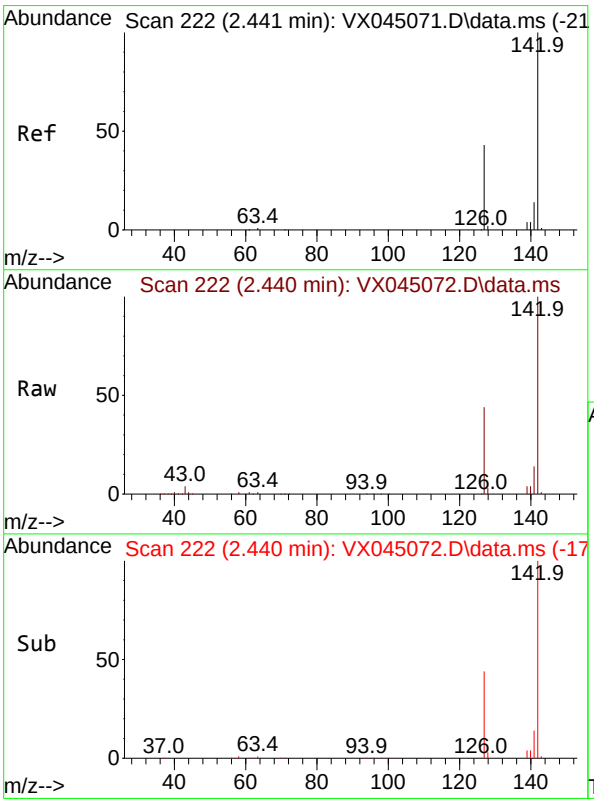
#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 120518

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	72.4	56.4	84.6

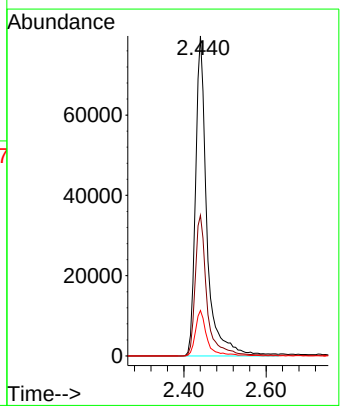


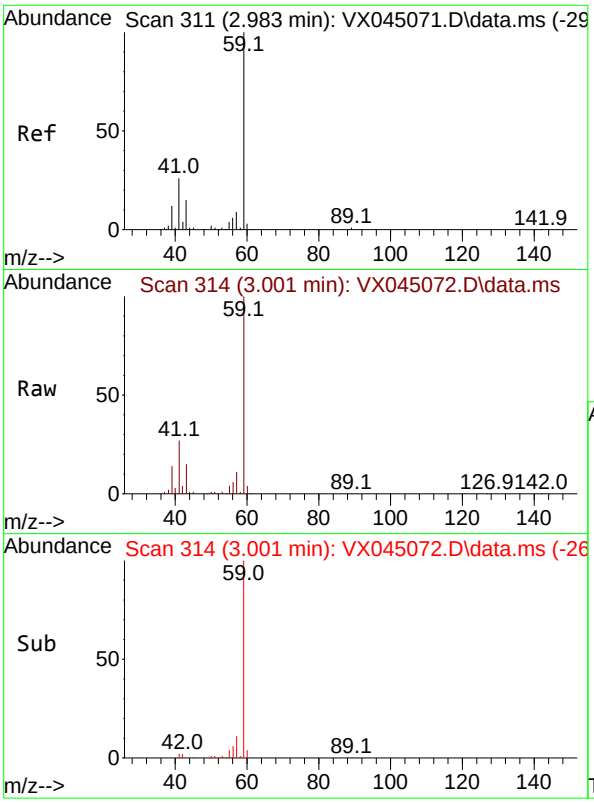


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:142 Resp: 153466

Ion	Ratio	Lower	Upper
142	100		
127	45.0	35.4	53.2
141	14.4	11.6	17.4



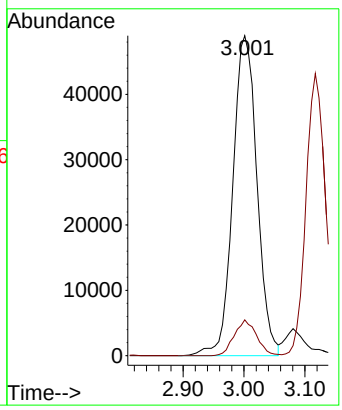


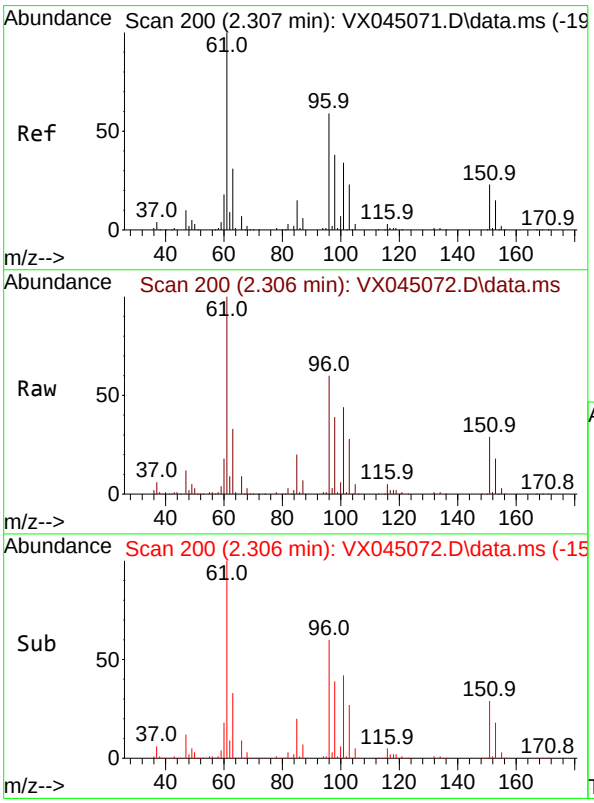
#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 135016

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

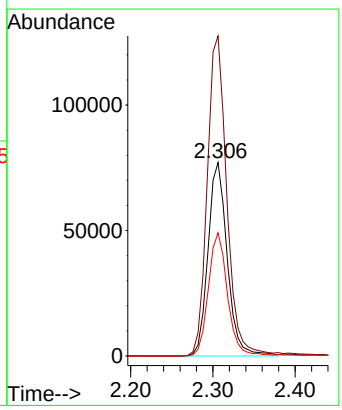


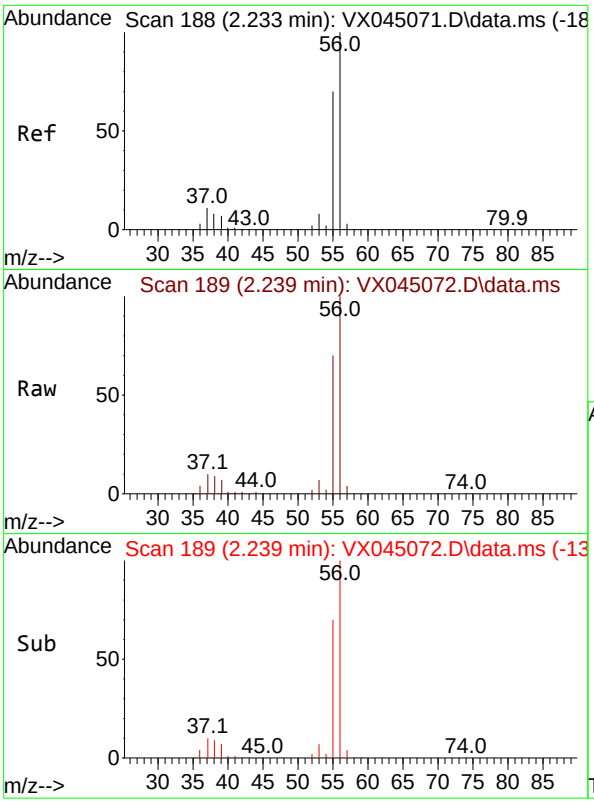


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 96 Resp: 125436

Ion	Ratio	Lower	Upper
96	100		
61	165.4	134.6	202.0
98	63.7	51.0	76.6



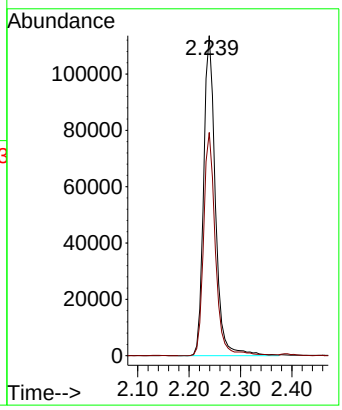


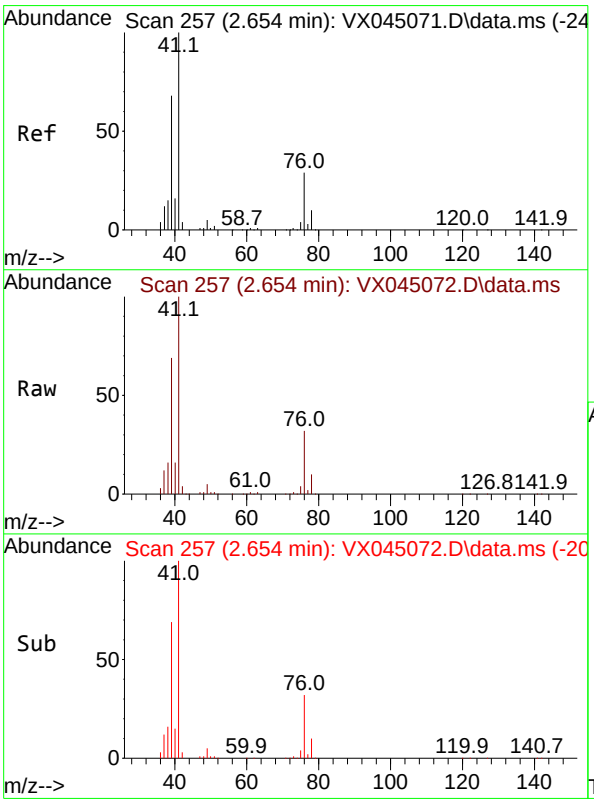
#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 180411

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4

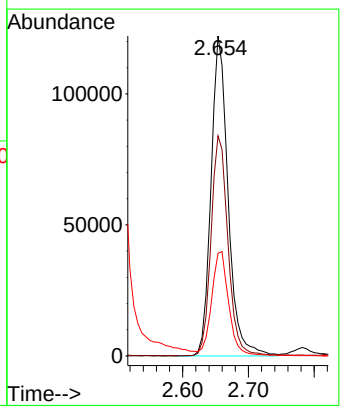


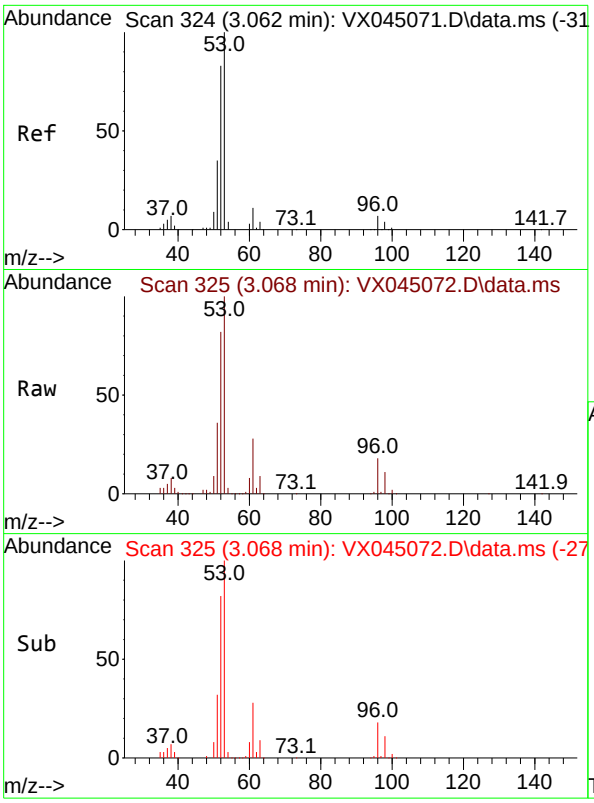


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 220783

Ion	Ratio	Lower	Upper
41	100		
39	68.4	53.8	80.8
76	32.6	25.2	37.8



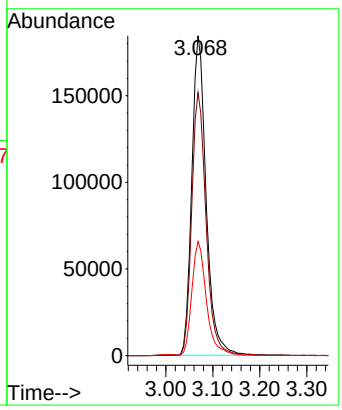


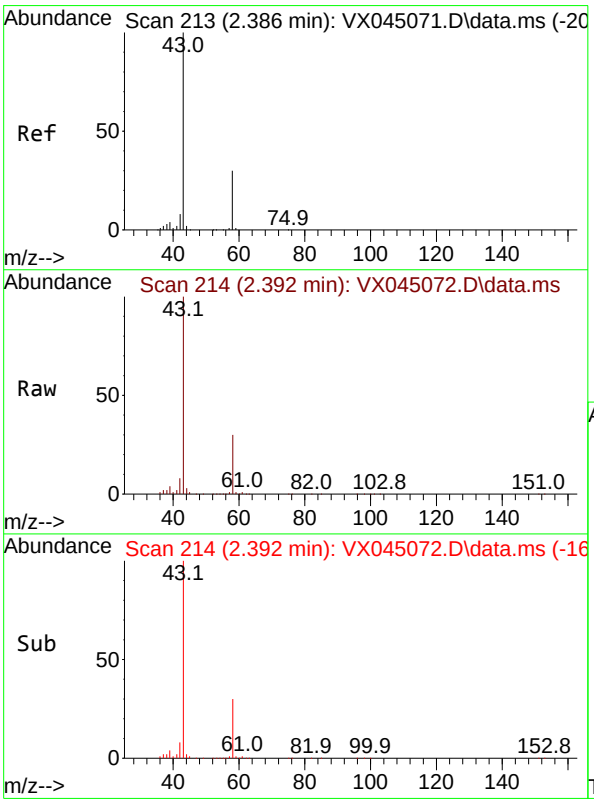
#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 391946

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.6	29.0	43.4

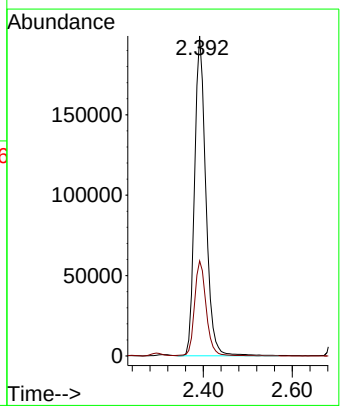


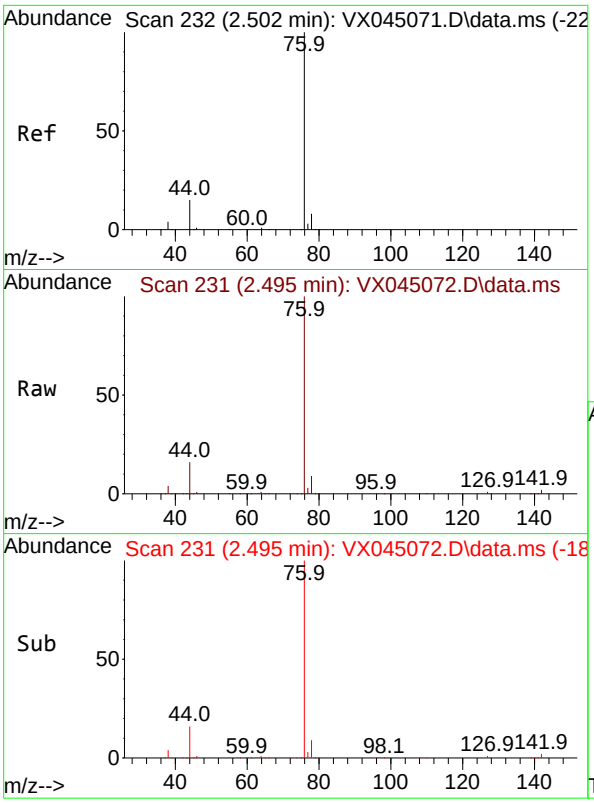


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 348698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4



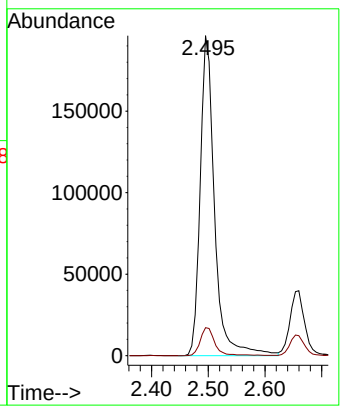


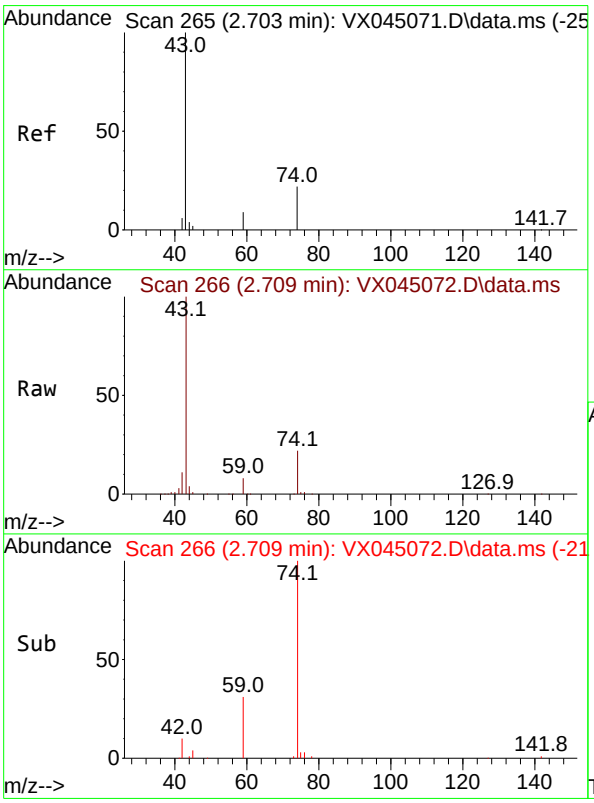
#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 345572

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8

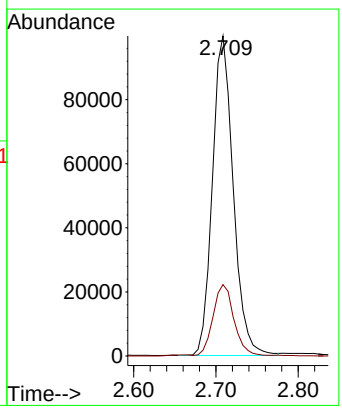


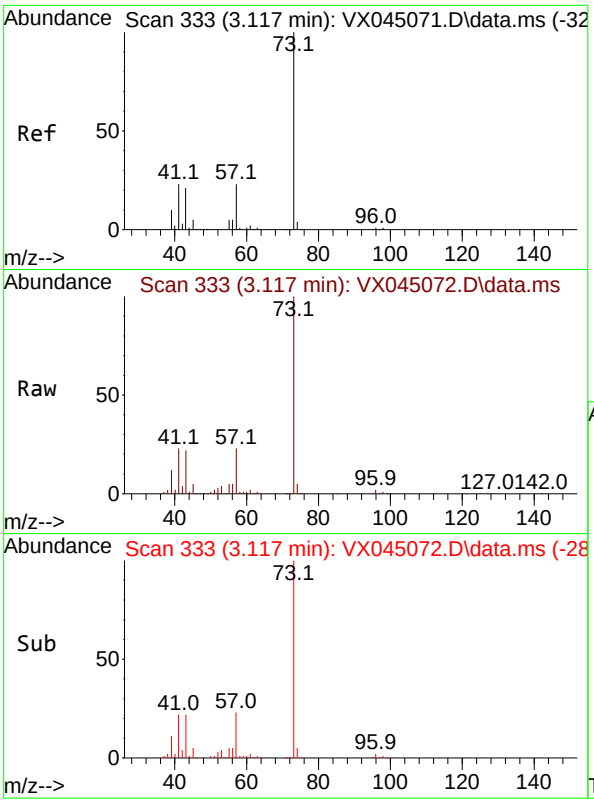


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



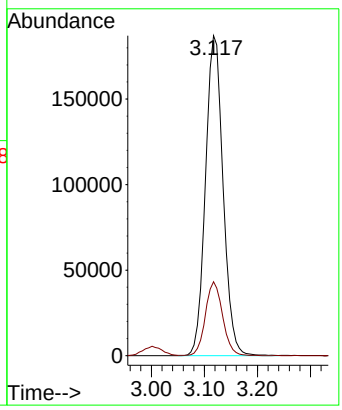


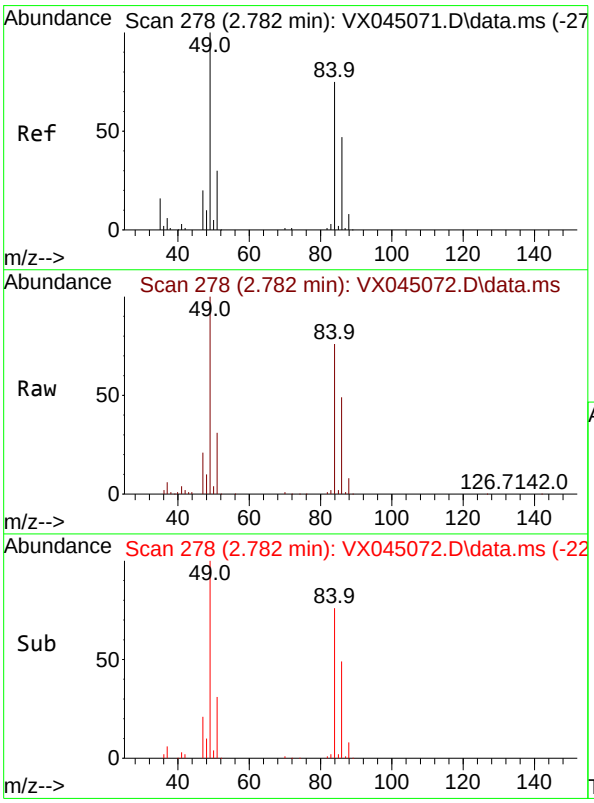
#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 431413

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7

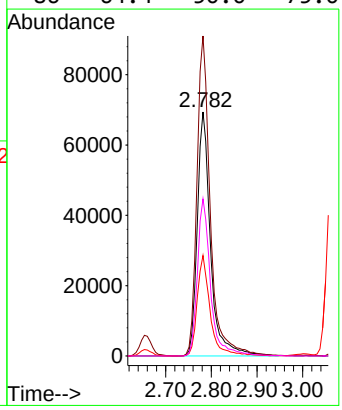


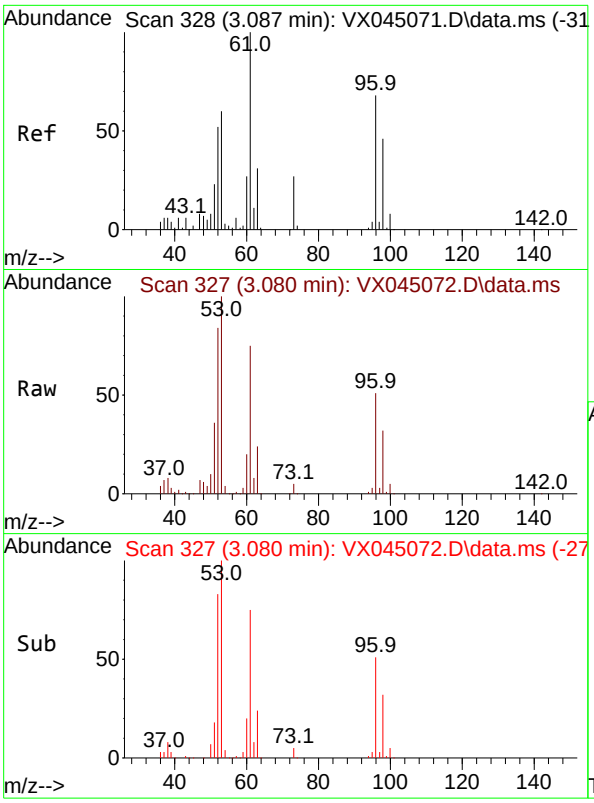


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 84 Resp: 140388

Ion	Ratio	Lower	Upper
84	100		
49	131.2	106.5	159.7
51	41.2	32.1	48.1
86	64.4	50.0	75.0



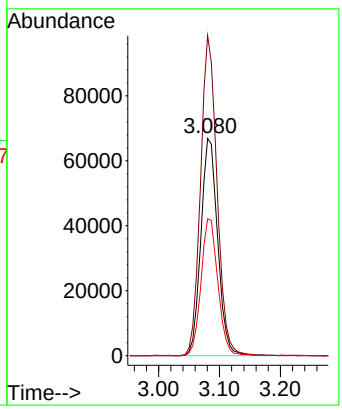


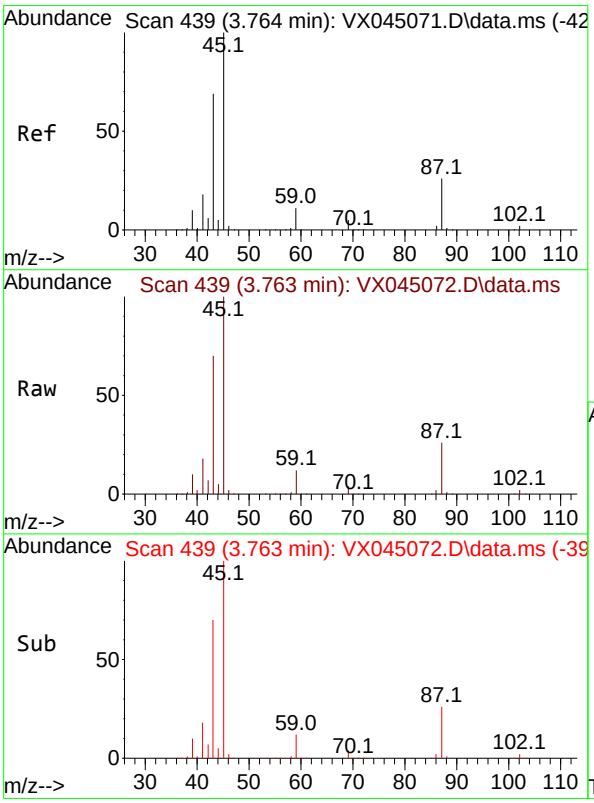
#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 128232

Ion	Ratio	Lower	Upper
96	100		
61	147.3	117.0	175.4
98	63.0	53.4	80.2

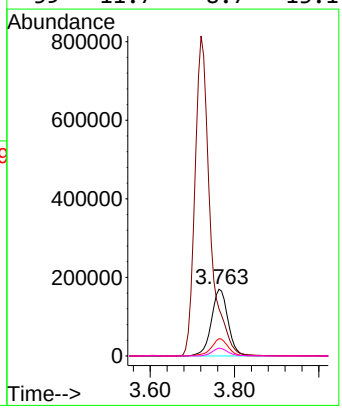


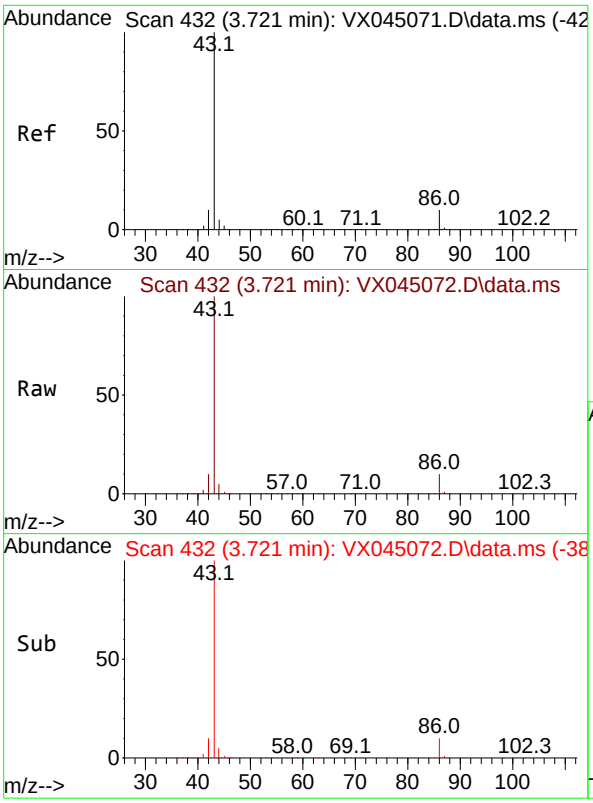


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 45 Resp: 467534

Ion	Ratio	Lower	Upper
45	100		
43	70.4	54.9	82.3
87	26.0	21.0	31.4
59	11.7	8.7	13.1



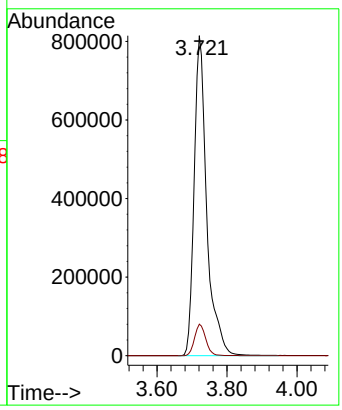


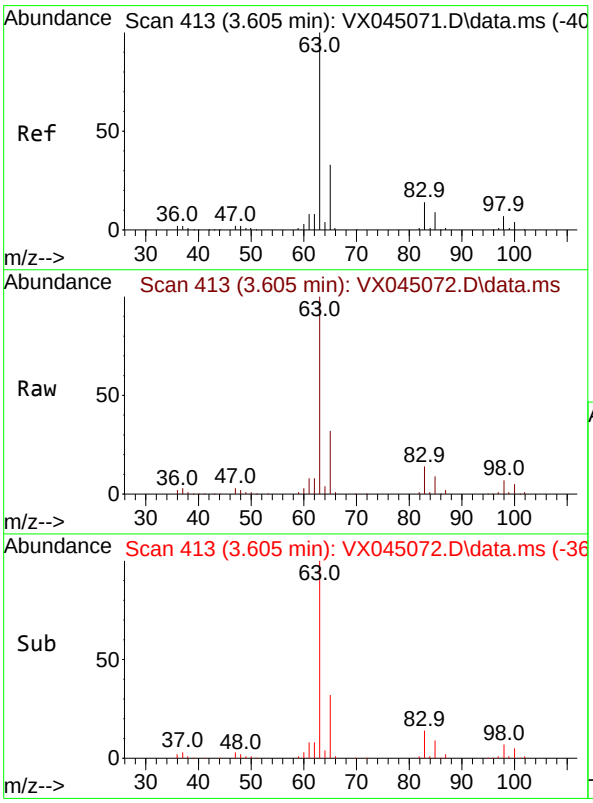
#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2035880

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

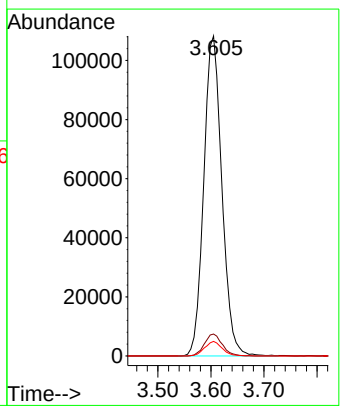


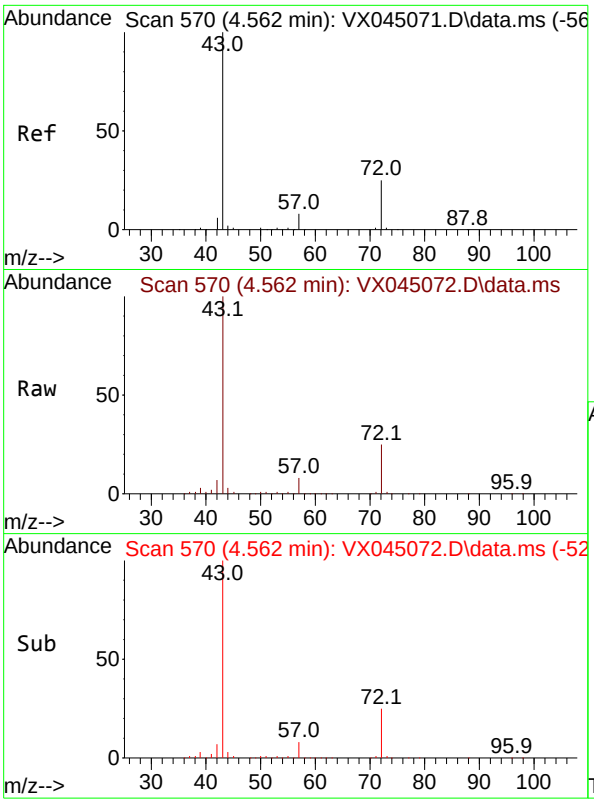


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 257023

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.6	2.1	6.5



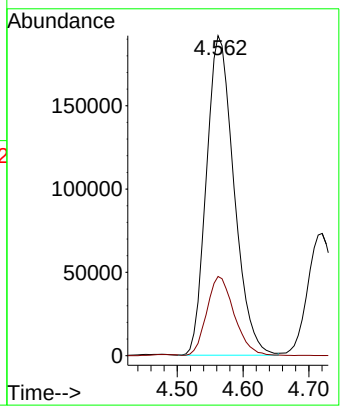


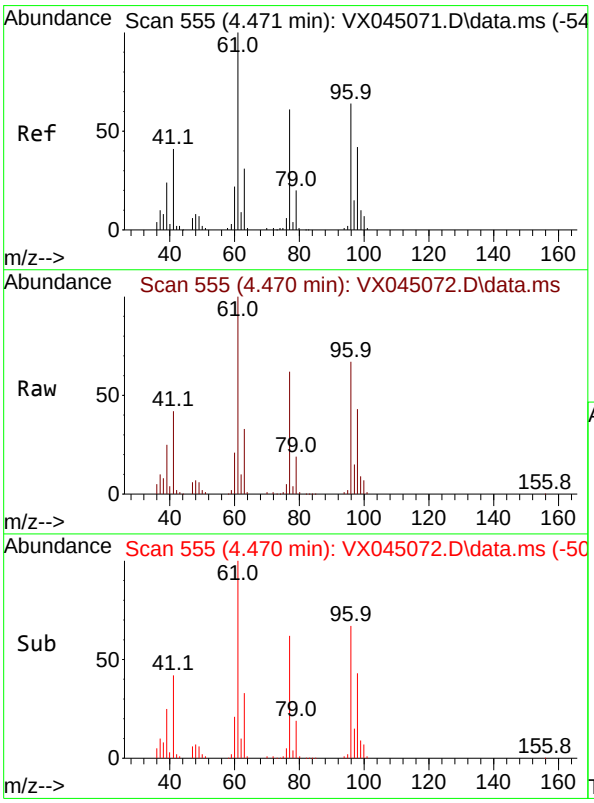
#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 559182

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0

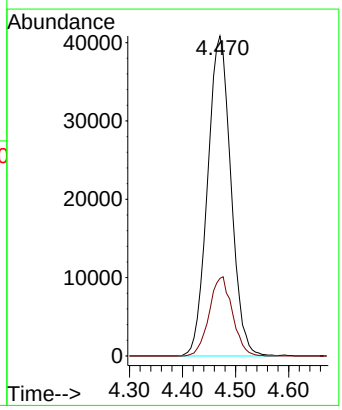


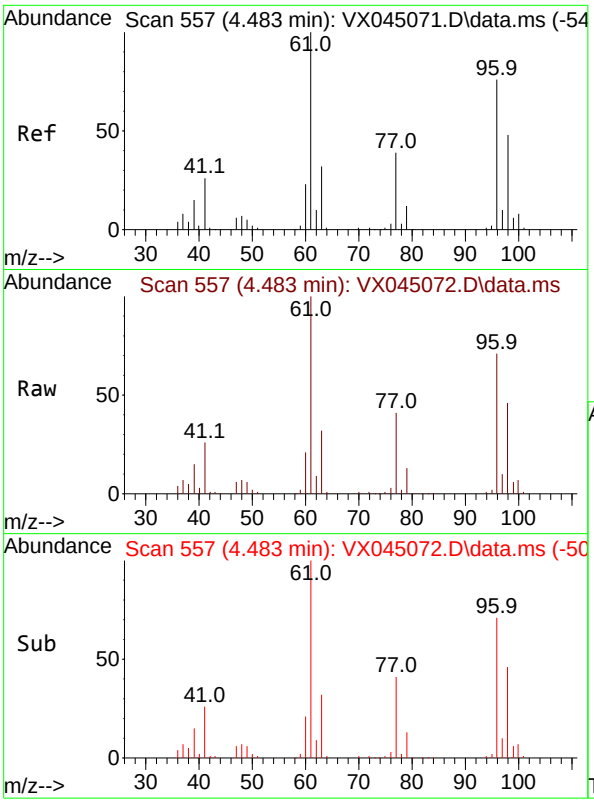


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.0



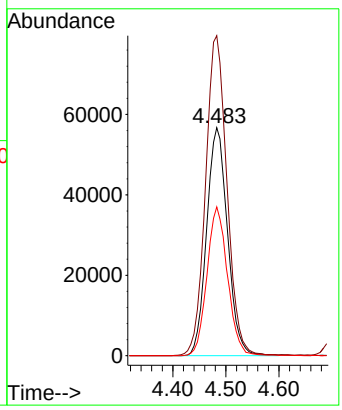


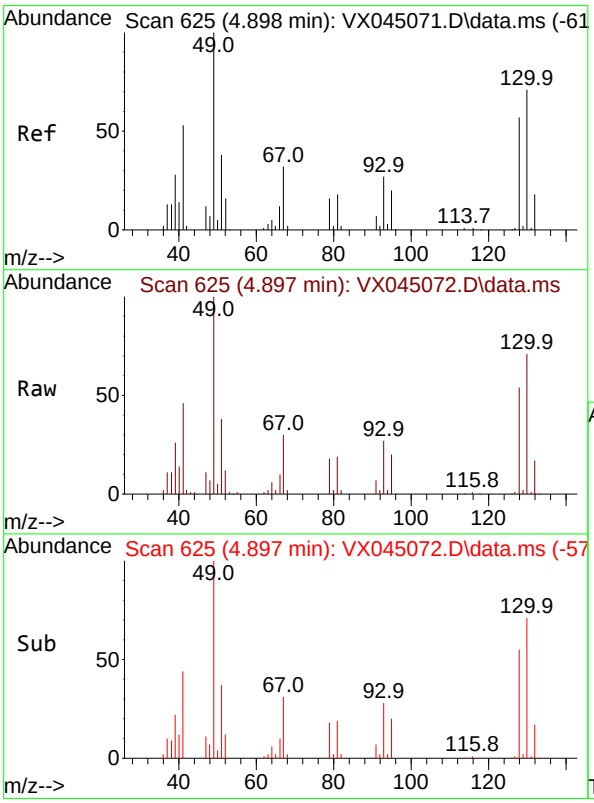
#27
cis-1,2-Dichloroethene
Concen: 100.568 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 155193

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	283.2
98	64.3	0.0	128.0

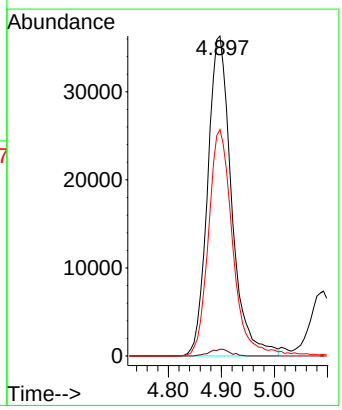


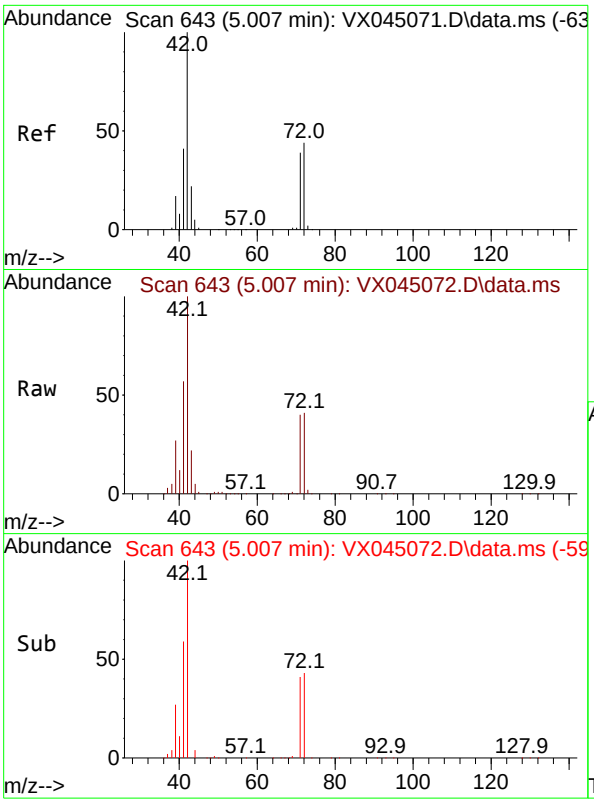


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 49 Resp: 113848

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	72.2	56.1	84.1



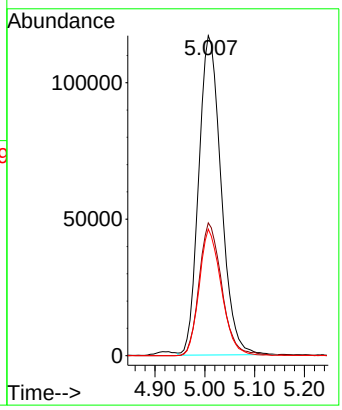


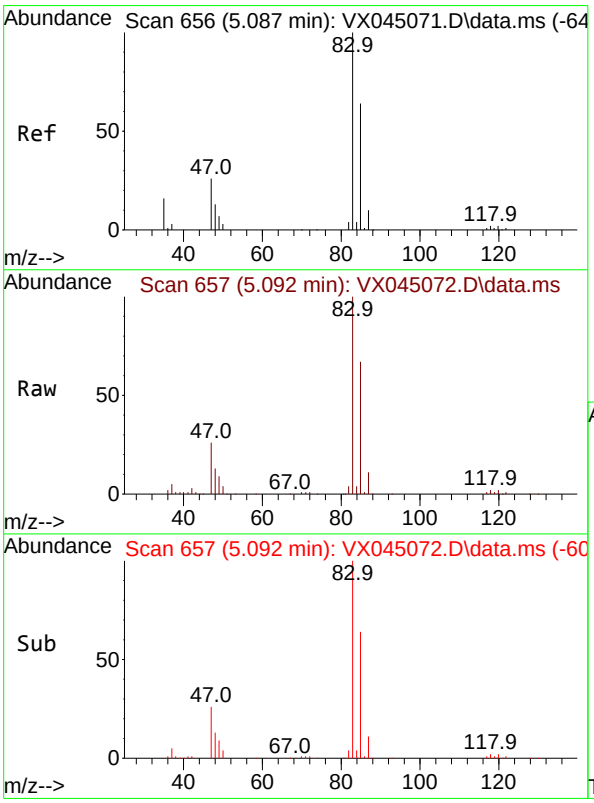
#29
Tetrahydrofuran
Concen: 556.465 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 365565

Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	39.2	31.4	47.0

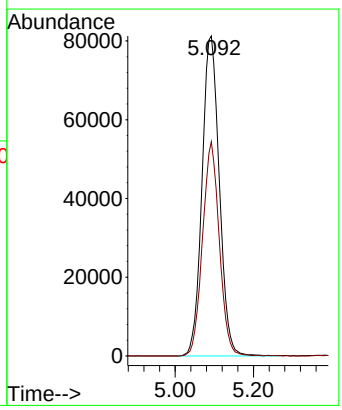


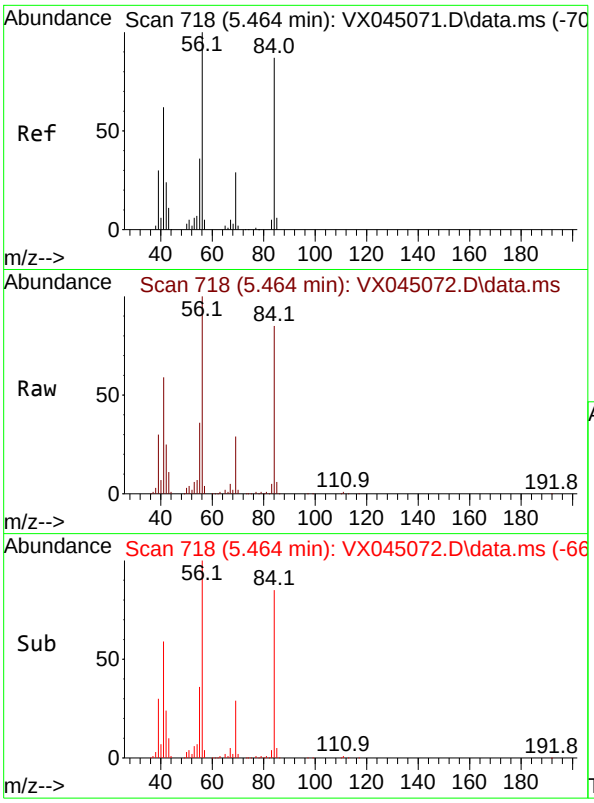


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 248978

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



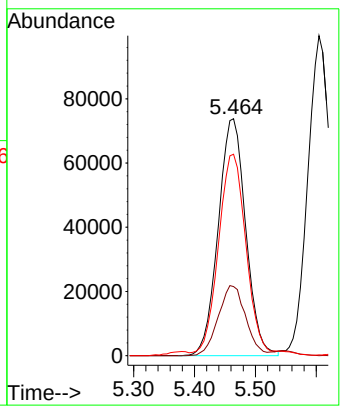


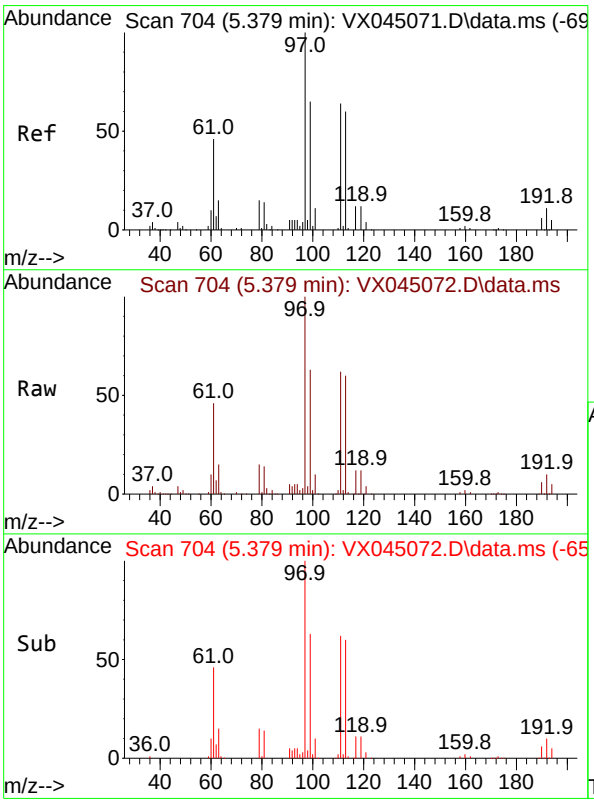
#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 231082

Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	83.3	69.4	104.2

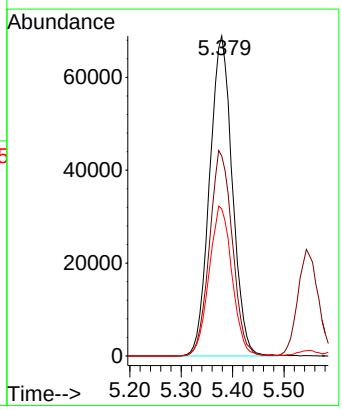


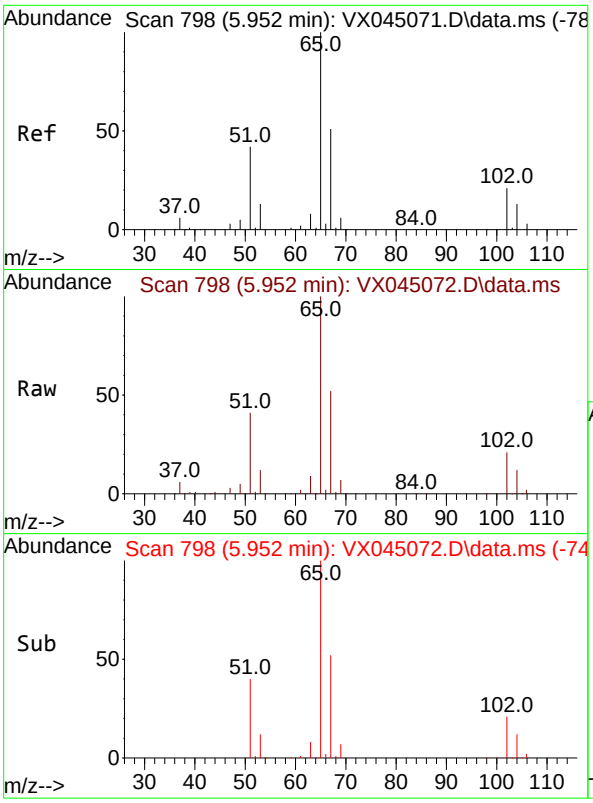


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 211302

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	47.3	38.4	57.6



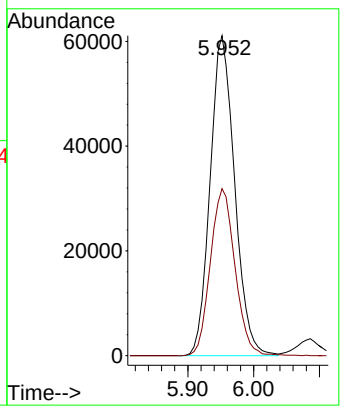


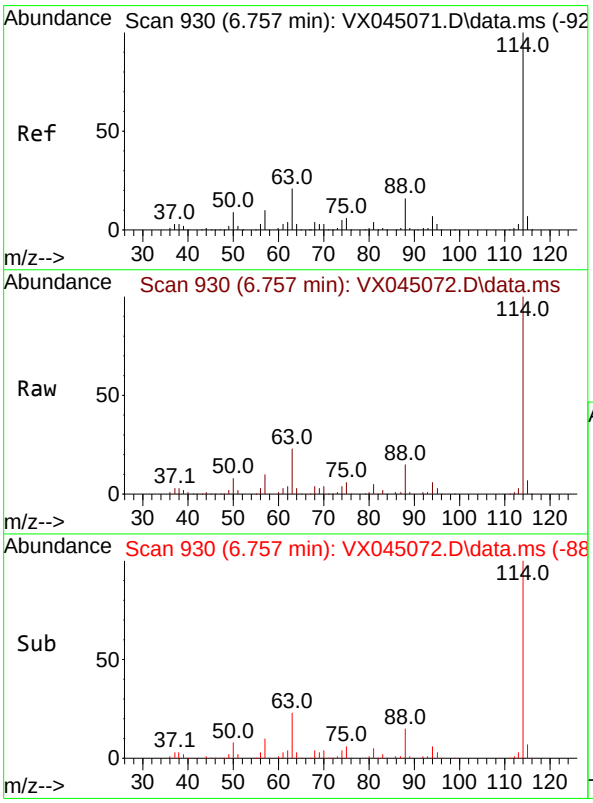
#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 158452

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2

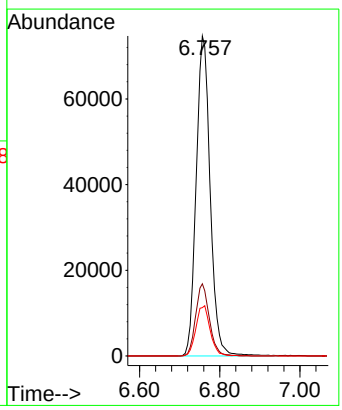


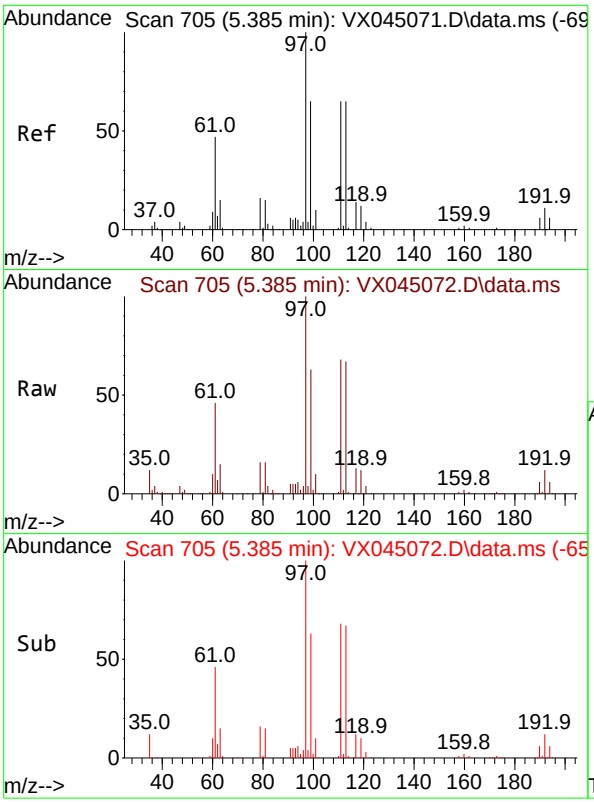


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:114 Resp: 181031

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	15.1	0.0	32.8



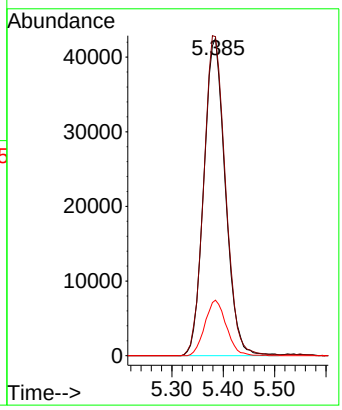


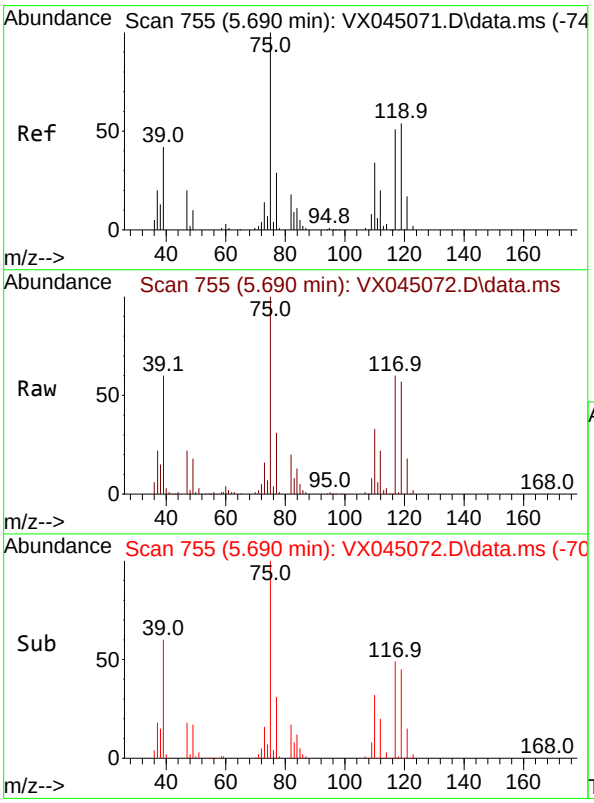
#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 123185

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.5	14.3	21.5

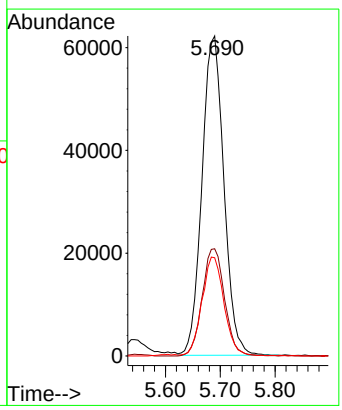


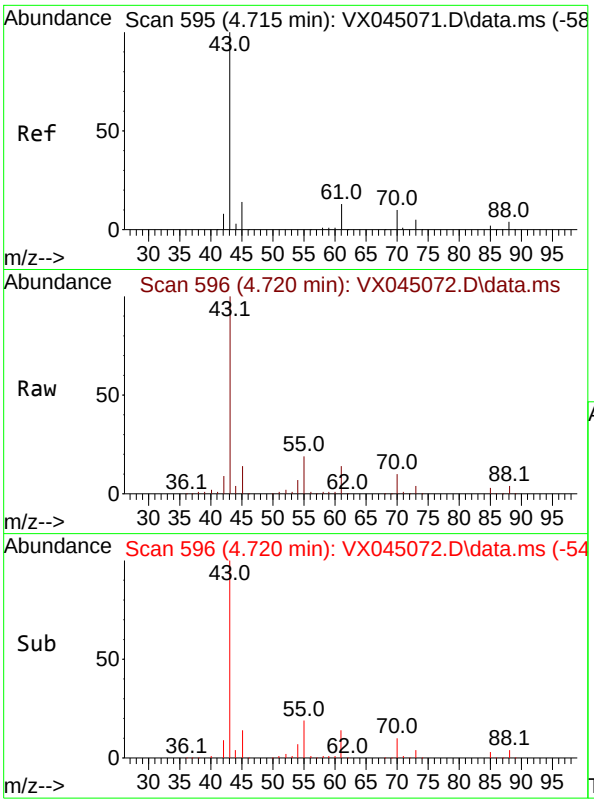


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 172295

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.0	24.5	36.7



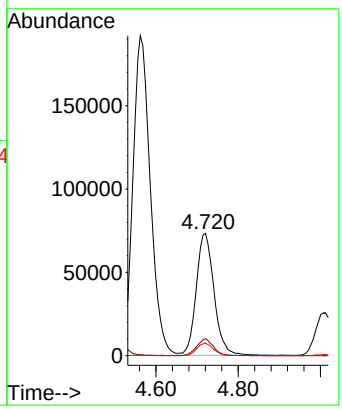


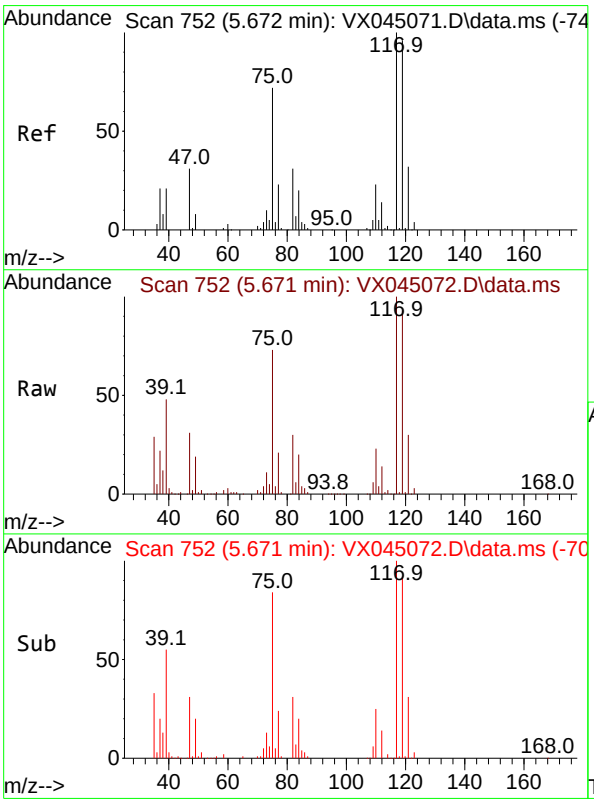
#37
Ethyl Acetate
Concen: 113.796 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 220327

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.8	16.2
70	9.6	7.7	11.5

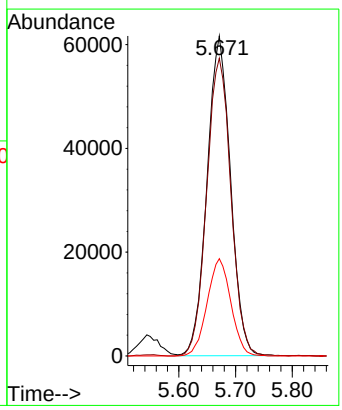


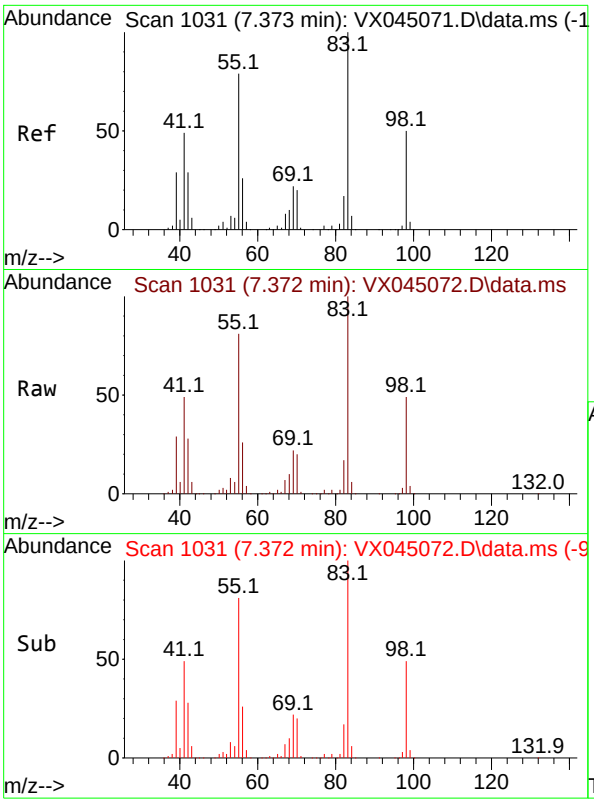


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 177219

Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.7	115.1
121	30.4	25.5	38.3



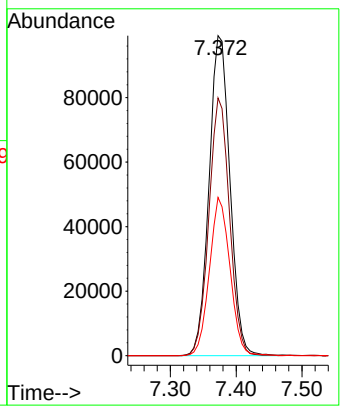


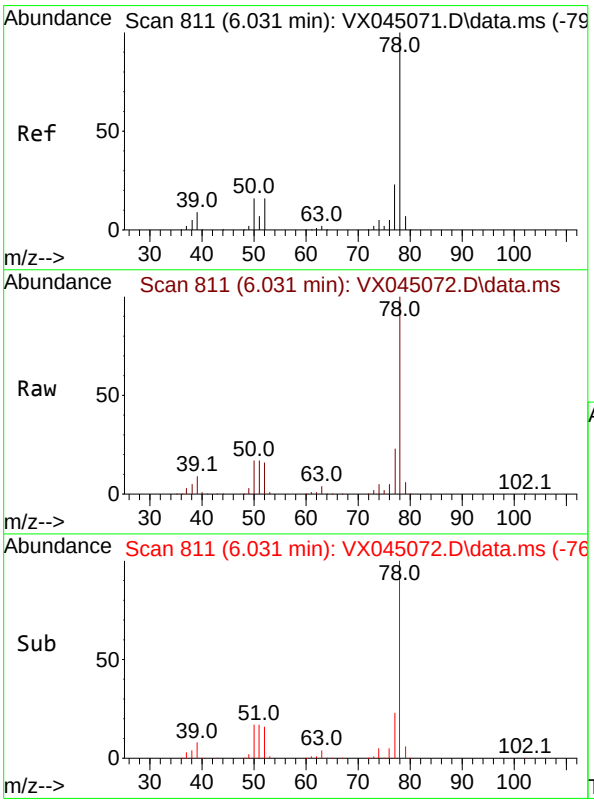
#39
Methylcyclohexane
Concen: 101.175 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 219856

Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.0	94.4
98	49.5	39.7	59.5

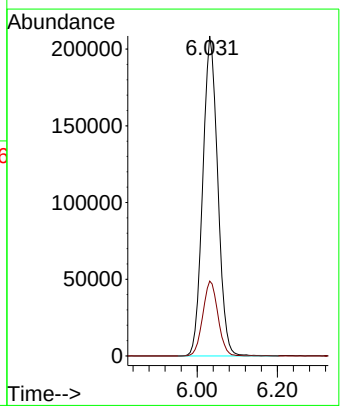


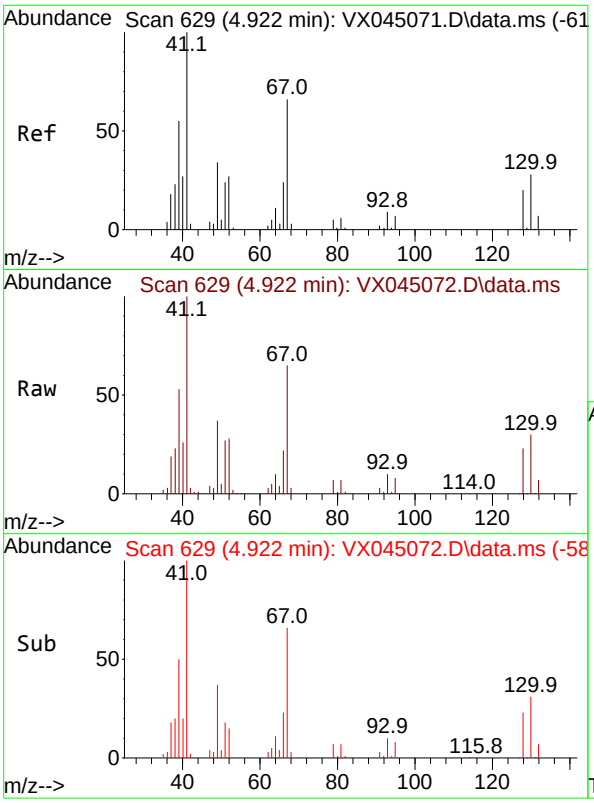


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2



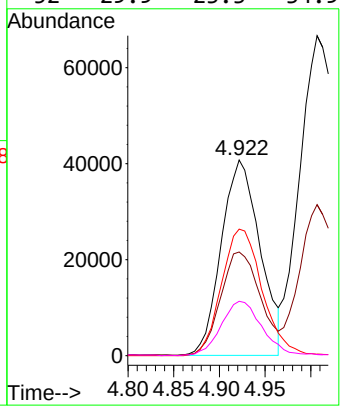


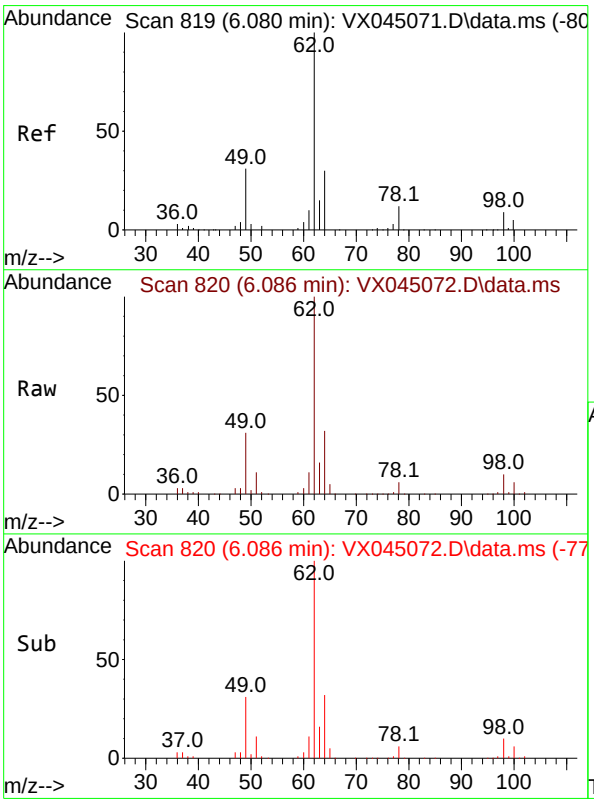
#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 120186

Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	68.3	53.9	80.9
52	29.9	23.3	34.9

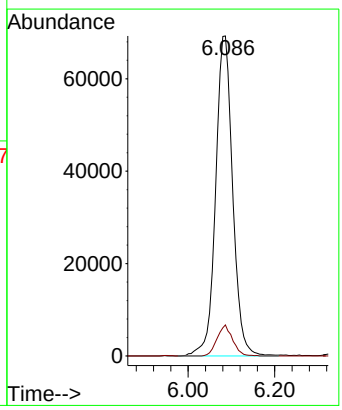


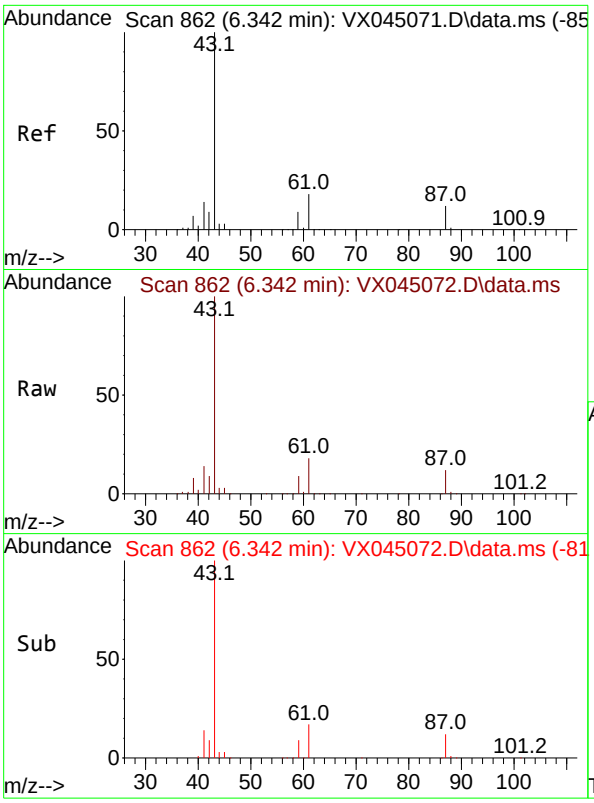


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



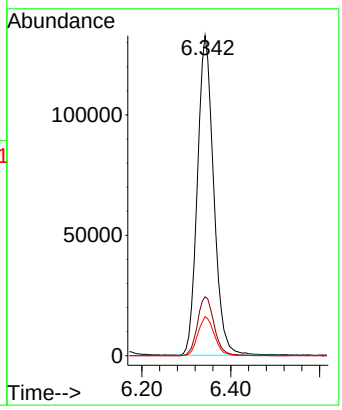


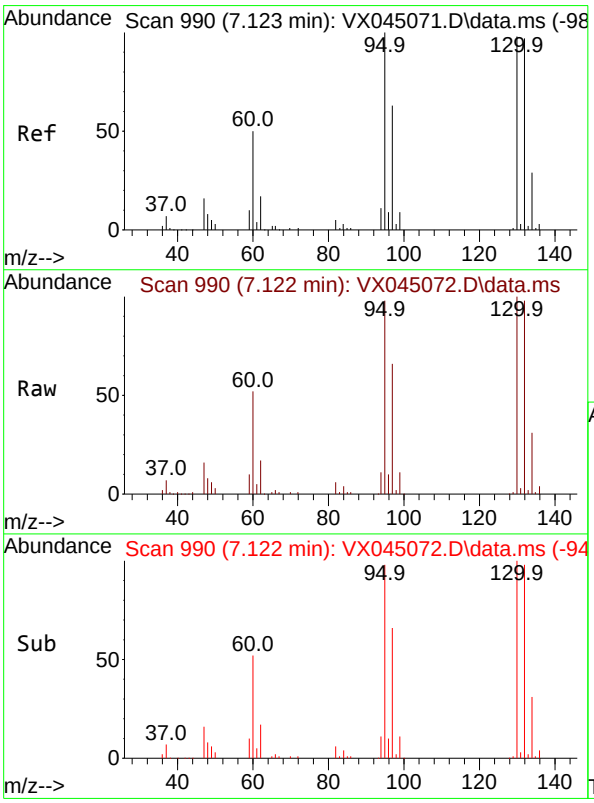
#43
Isopropyl Acetate
Concen: 109.806 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 338414

Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	12.3	9.4	14.2

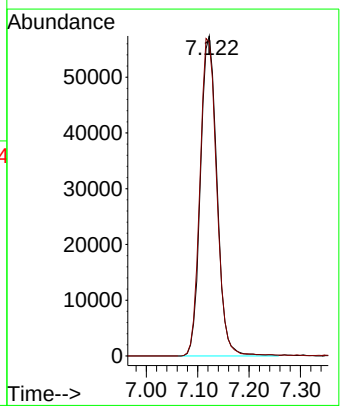


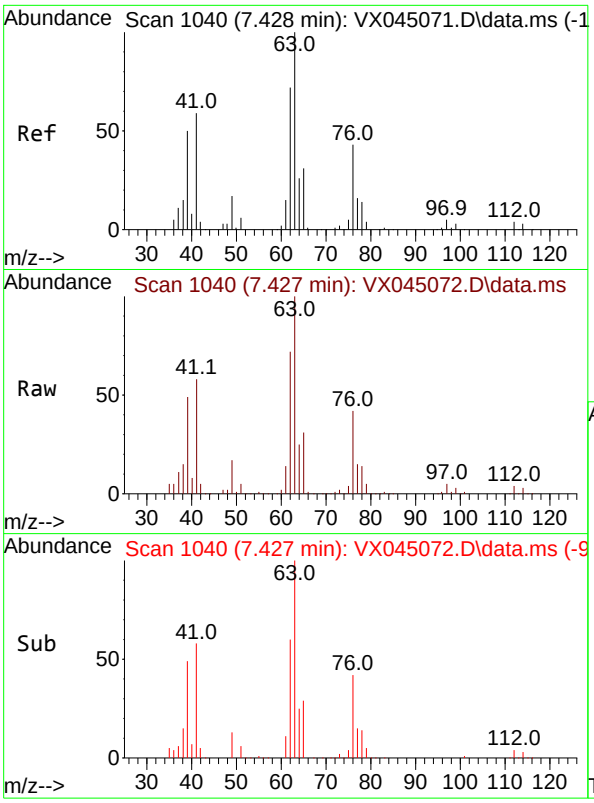


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.0



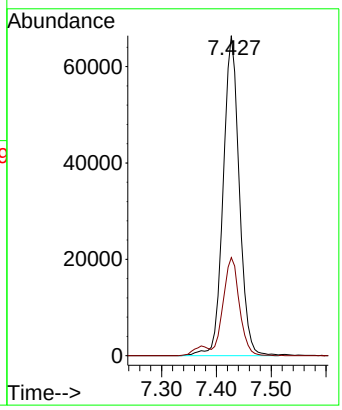


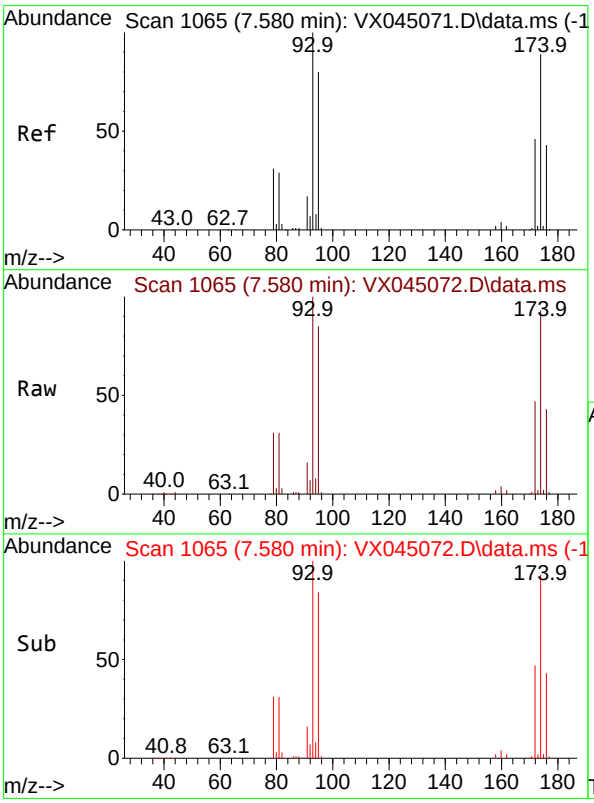
#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 135997

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

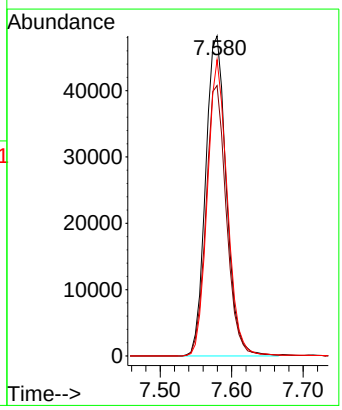


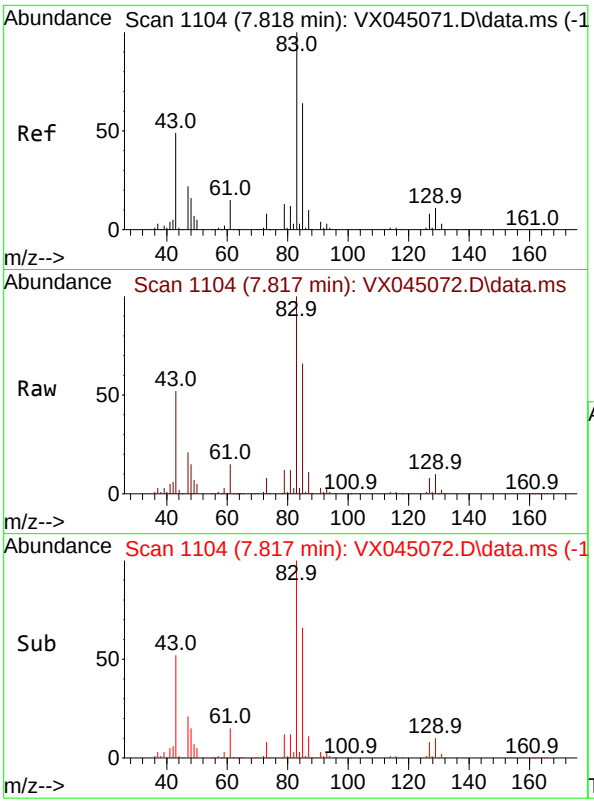


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 93 Resp: 97248

Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.8
174	89.0	72.2	108.2



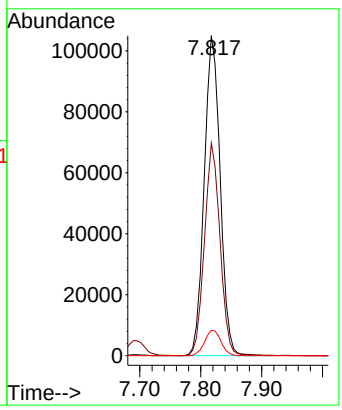


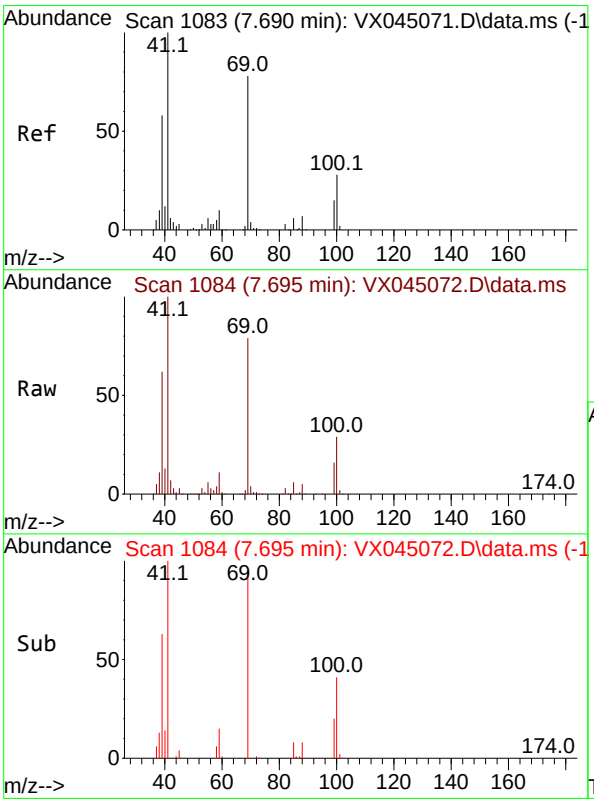
#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 191016

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.9	6.4	9.6

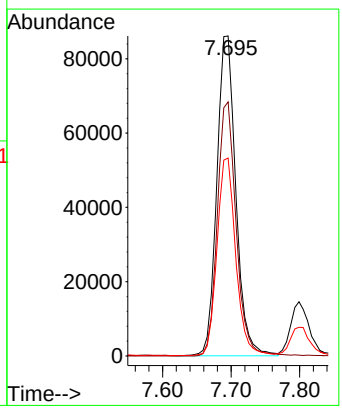


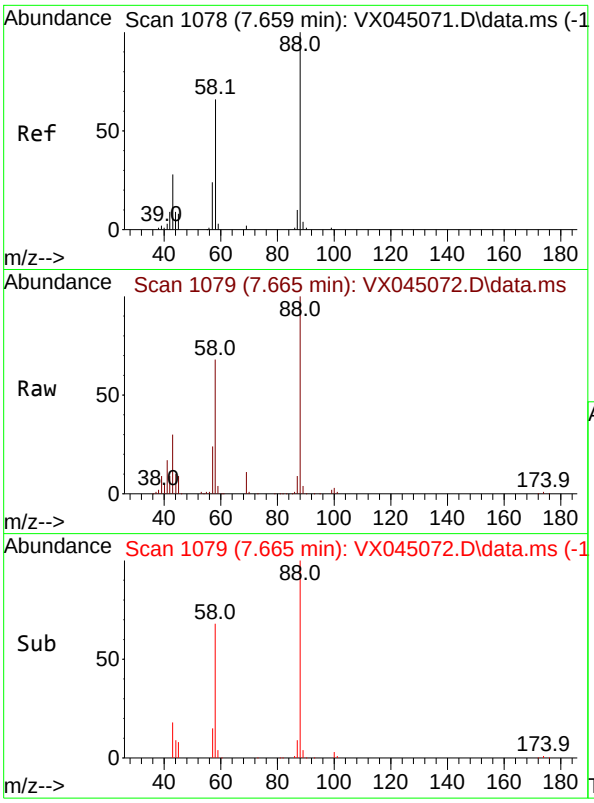


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 165825

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	60.9	47.5	71.3



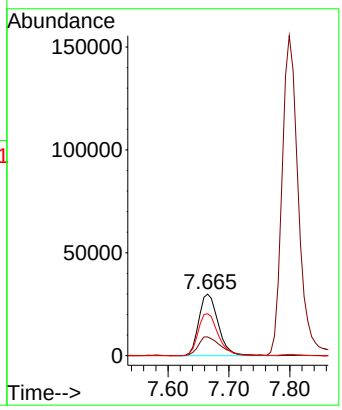


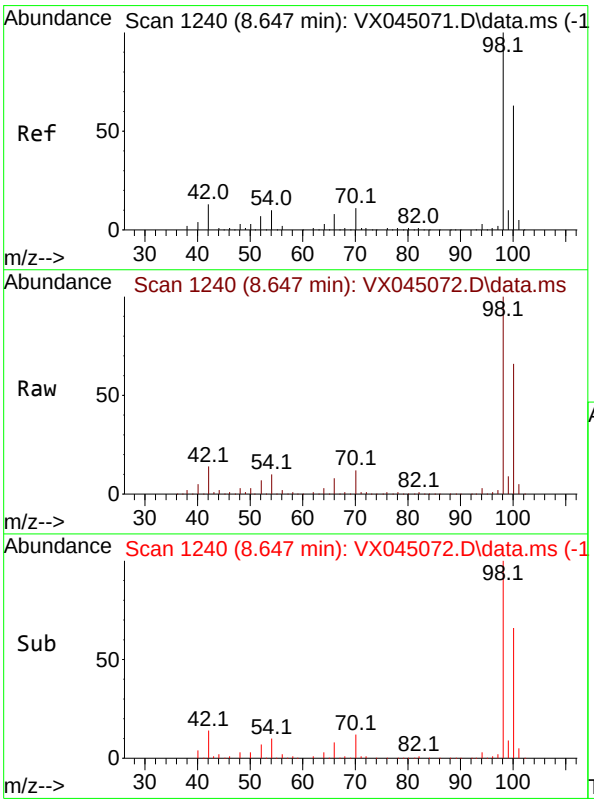
#49
1,4-Dioxane
Concen: 2132.314 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 66308

Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.7	43.1
58	70.5	55.8	83.8

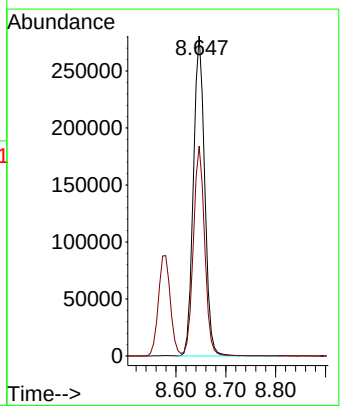


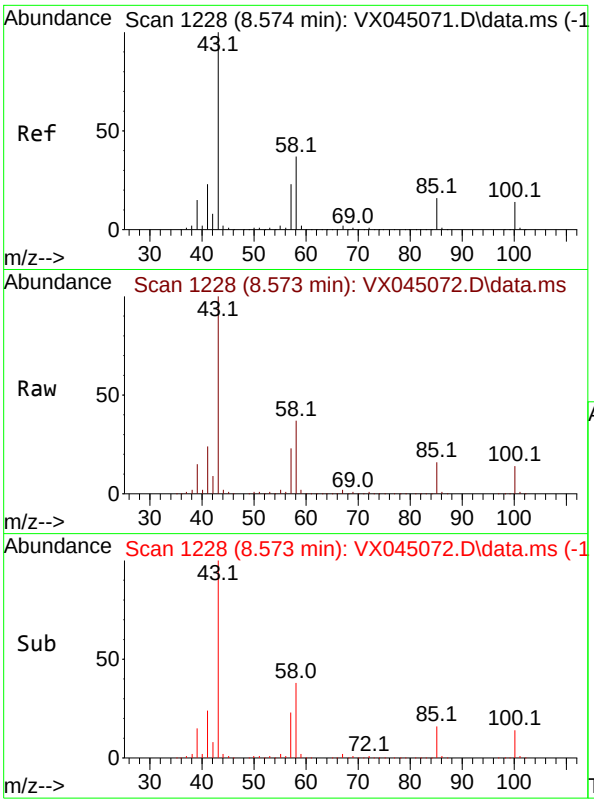


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0



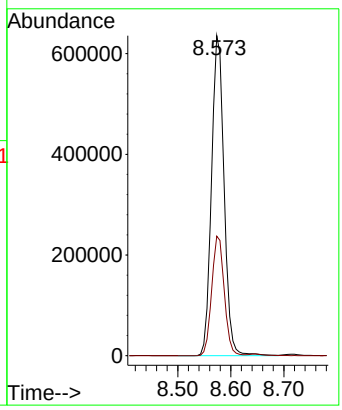


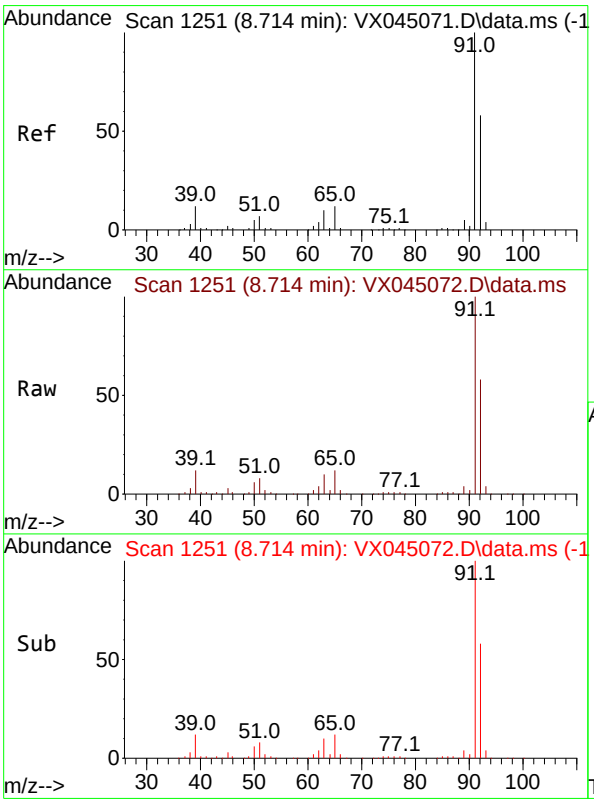
#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1048140

Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8

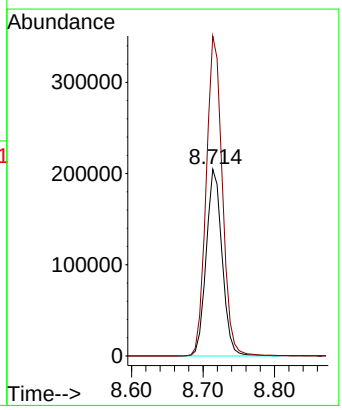


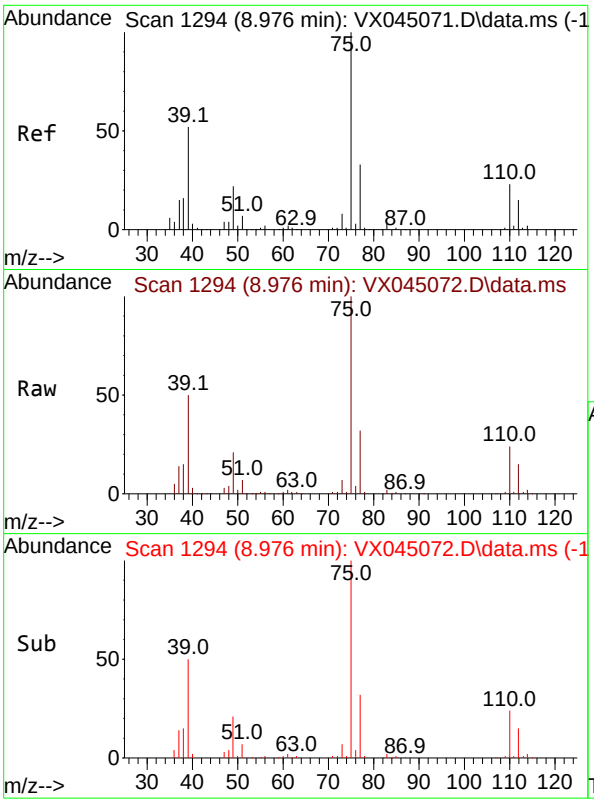


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3



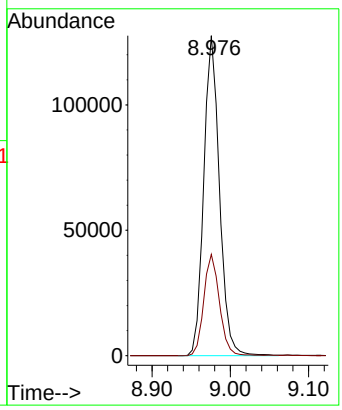


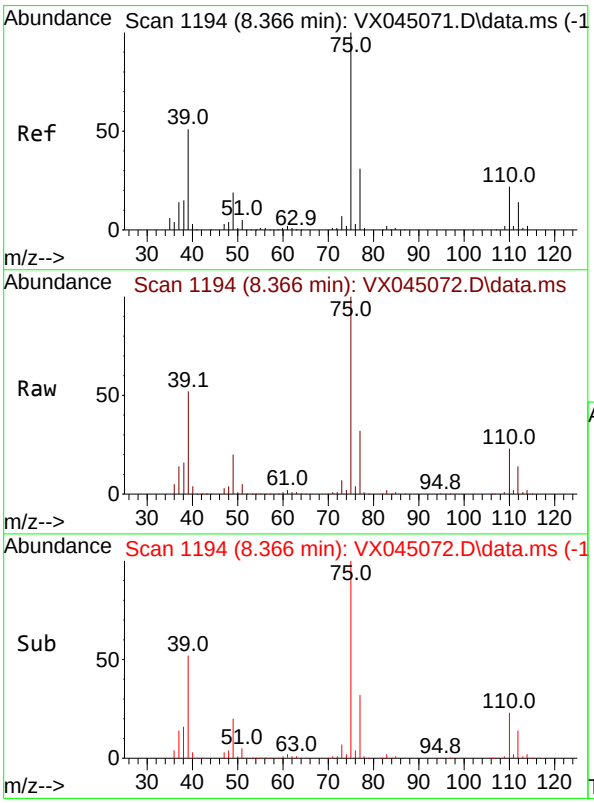
#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 177352

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7

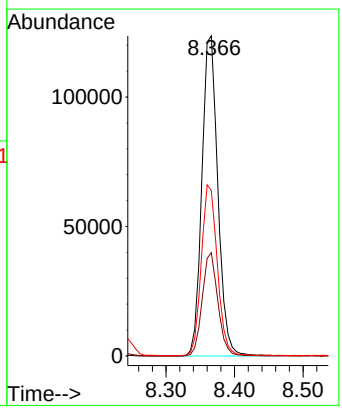


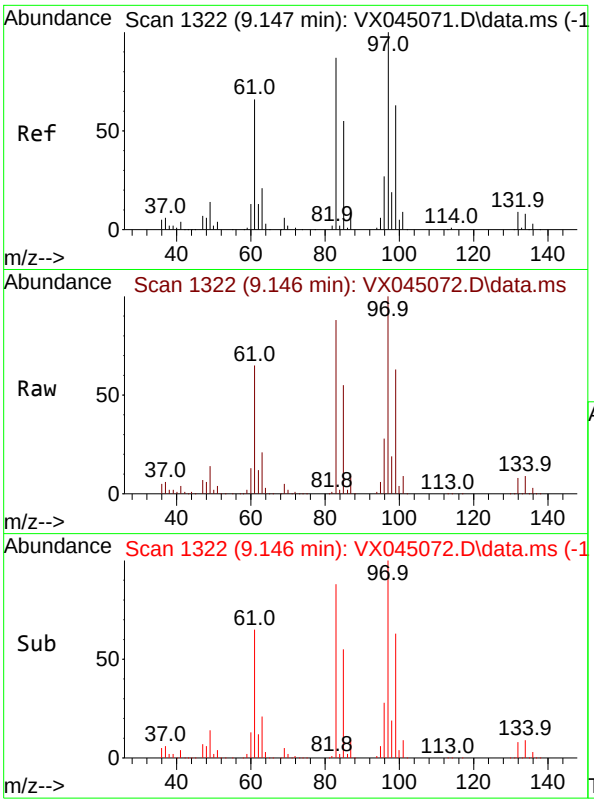


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 200943

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	51.6	40.7	61.1



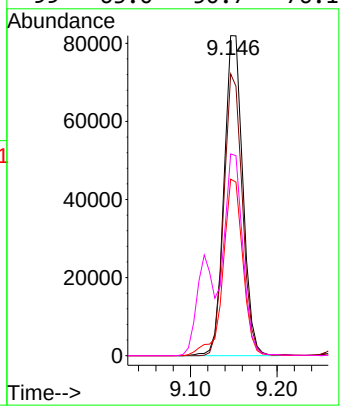


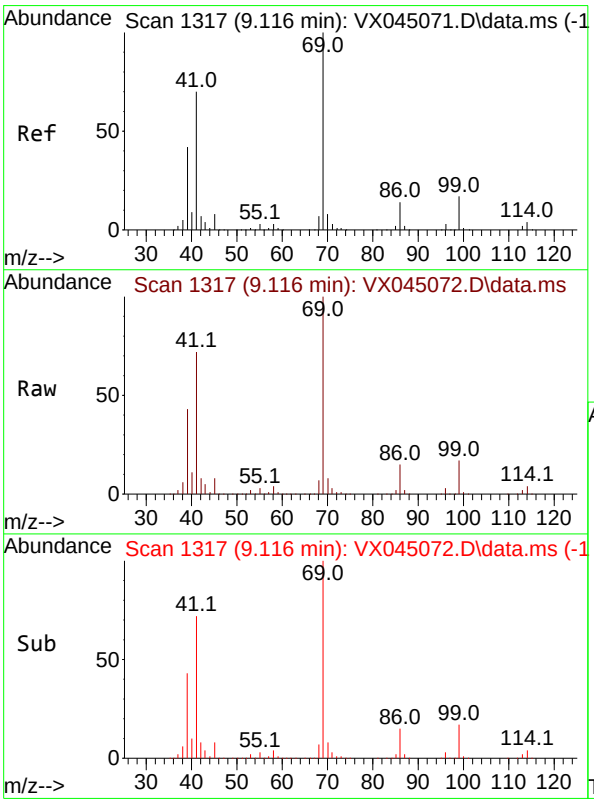
#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 123426

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	55.1	44.1	66.1
99	63.0	50.7	76.1

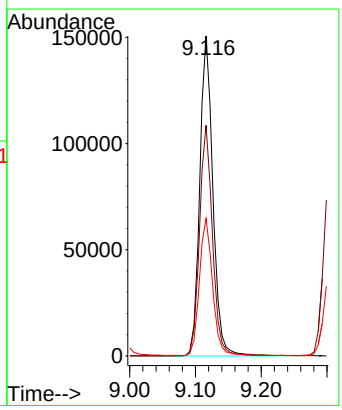


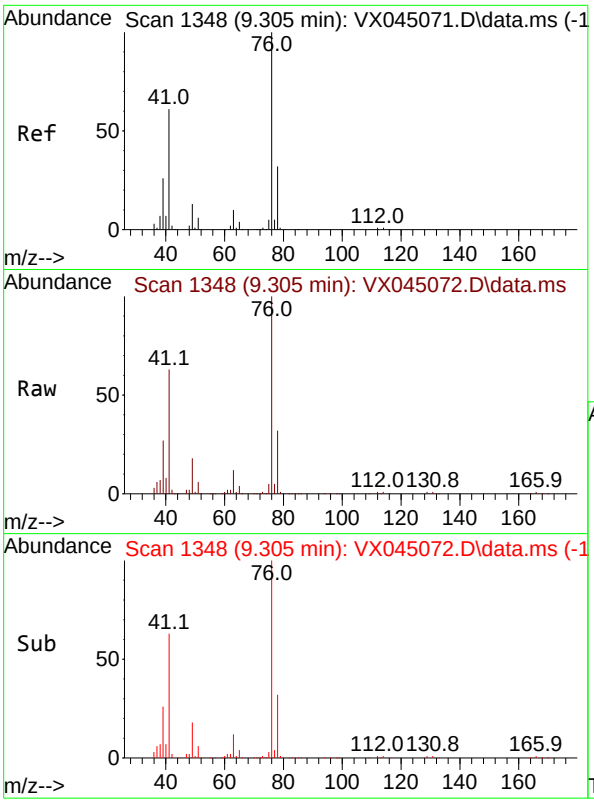


#56
Ethyl methacrylate
Concen: 106.744 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 69 Resp: 208782

Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.0	85.4
39	43.0	34.2	51.4



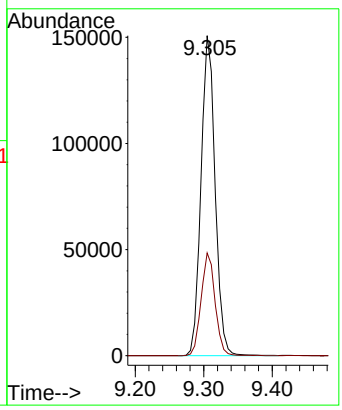


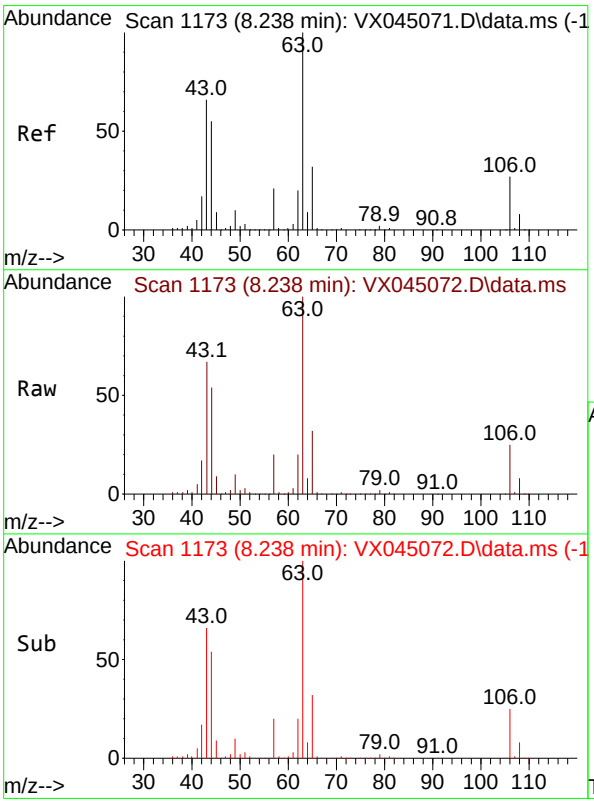
#57
1,3-Dichloropropane
Concen: 101.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 216267

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

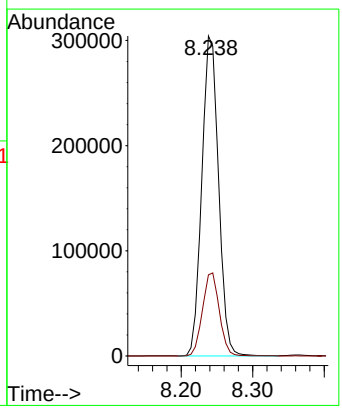


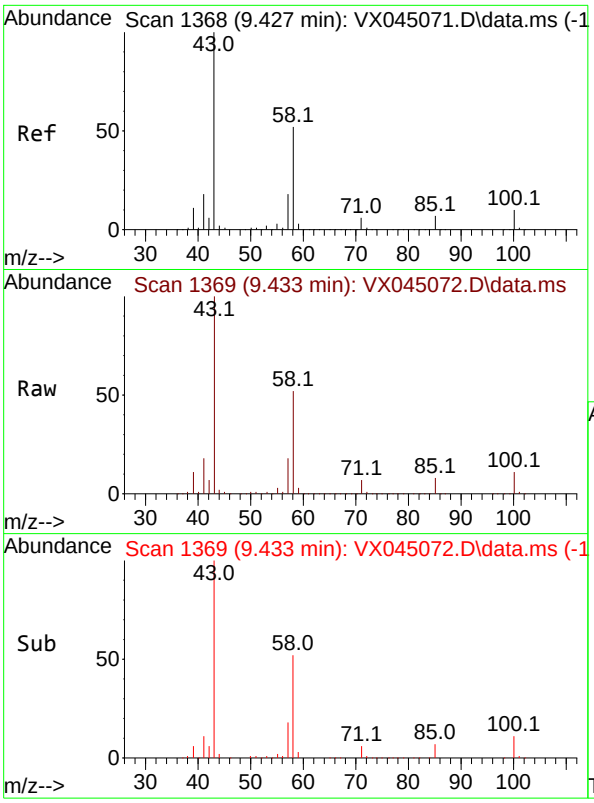


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 494551

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



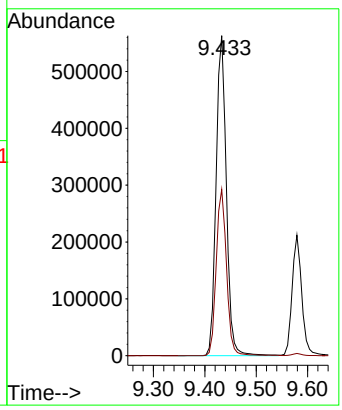


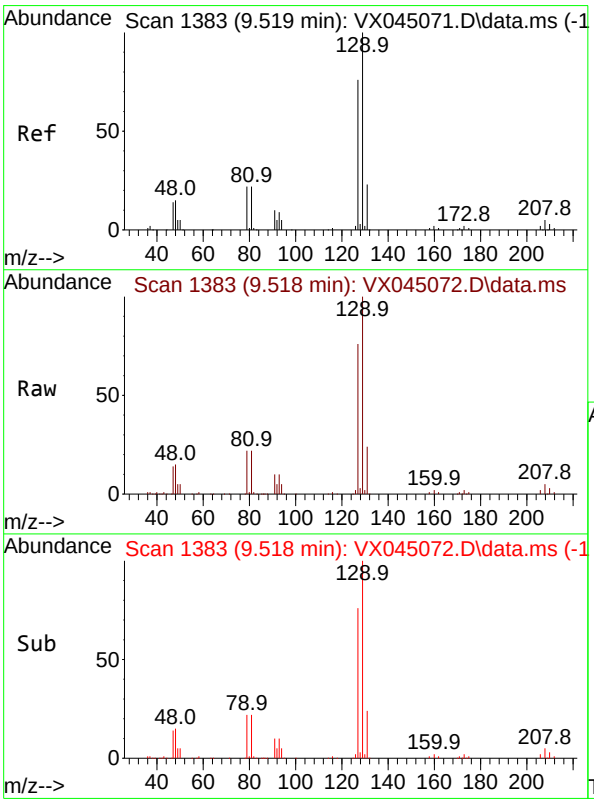
#59
2-Hexanone
Concen: 572.233 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 779492

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

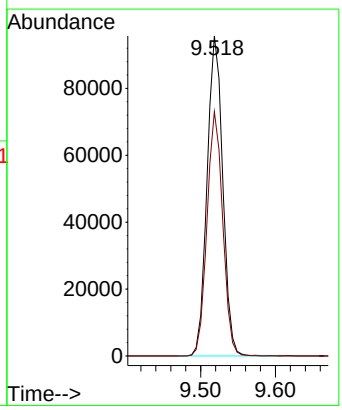


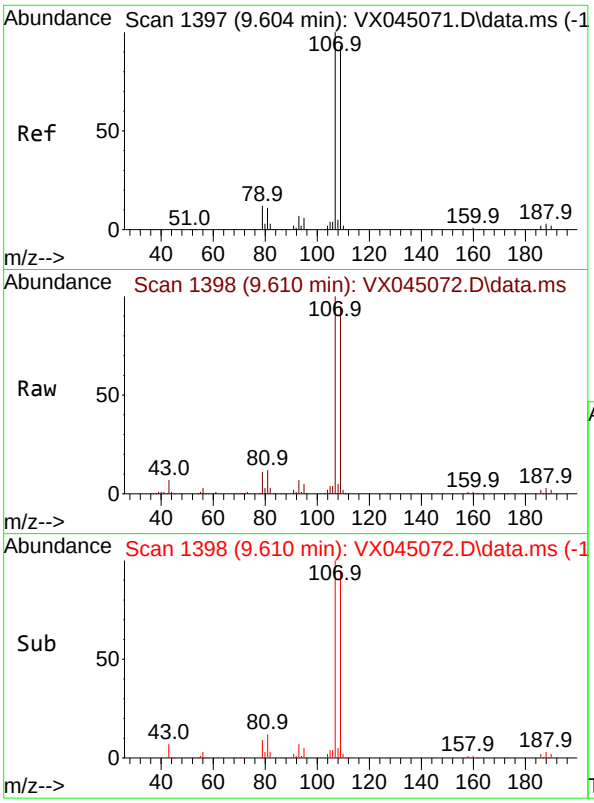


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5



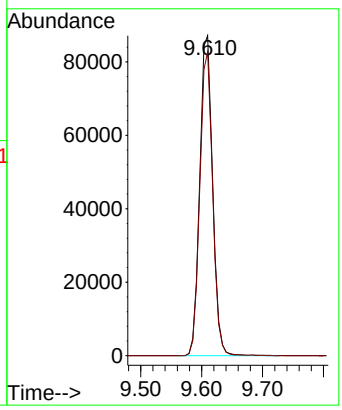


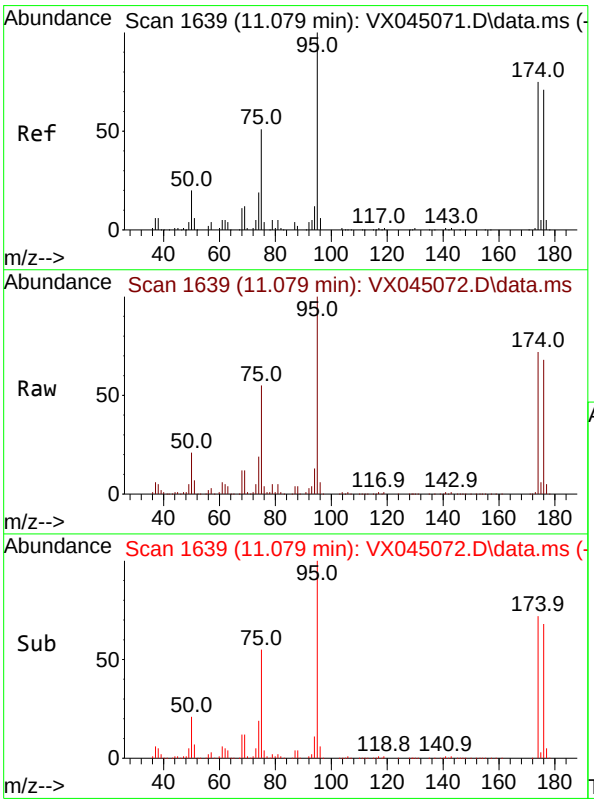
#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 128617

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1

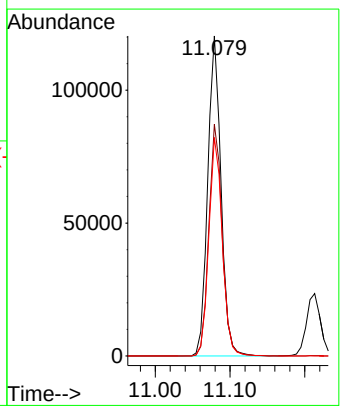


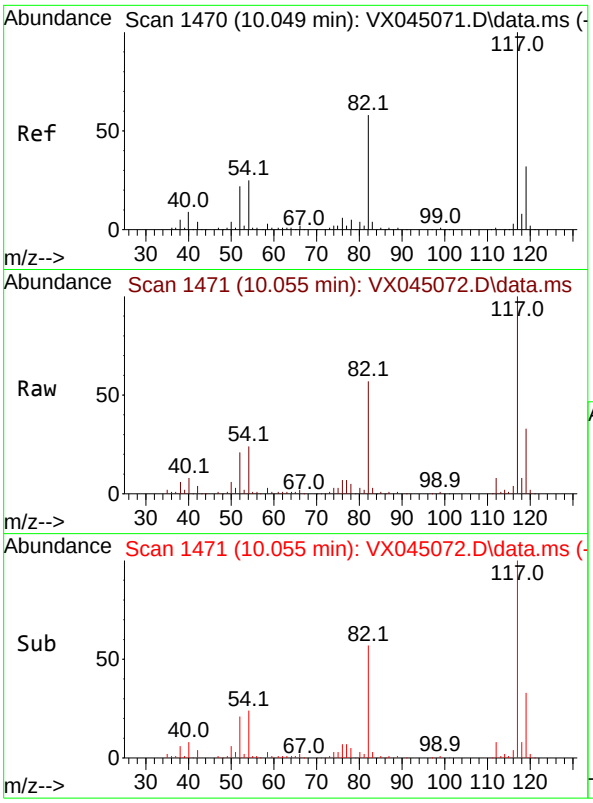


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 95 Resp: 148476

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	148.2
176	69.2	0.0	141.4



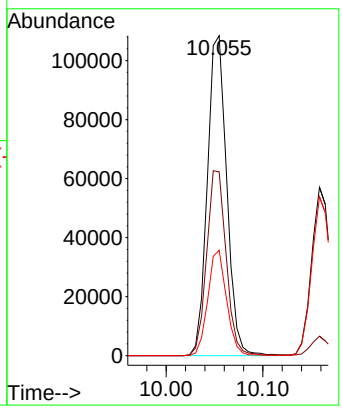


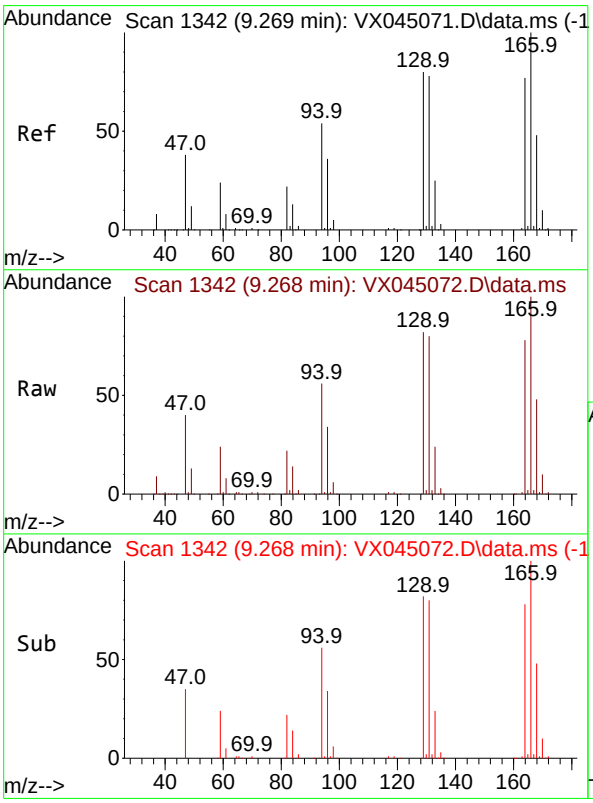
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 151175

Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	33.0	25.7	38.5

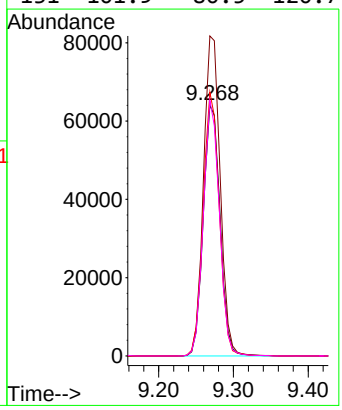


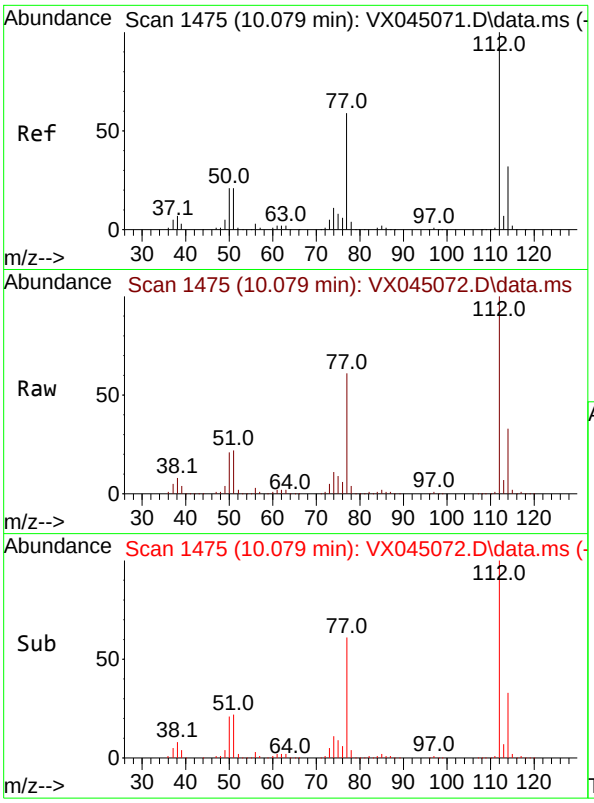


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:164 Resp: 99386

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	105.2	82.7	124.1
131	101.9	80.5	120.7



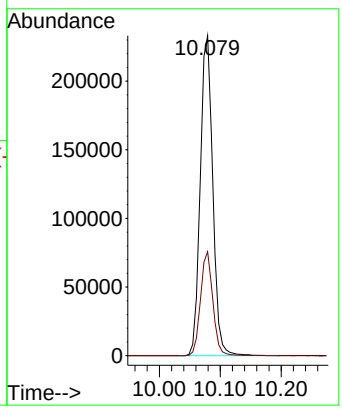


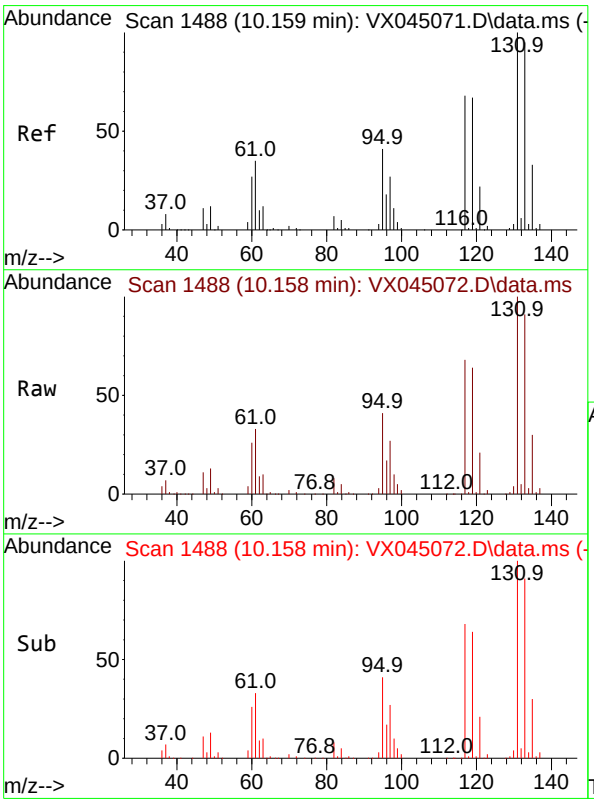
#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 332473

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

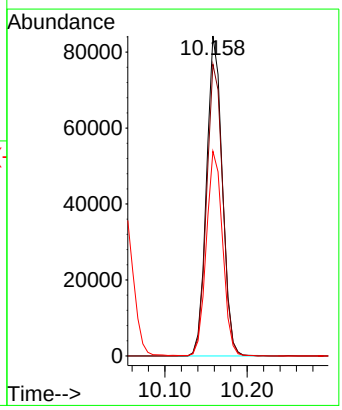


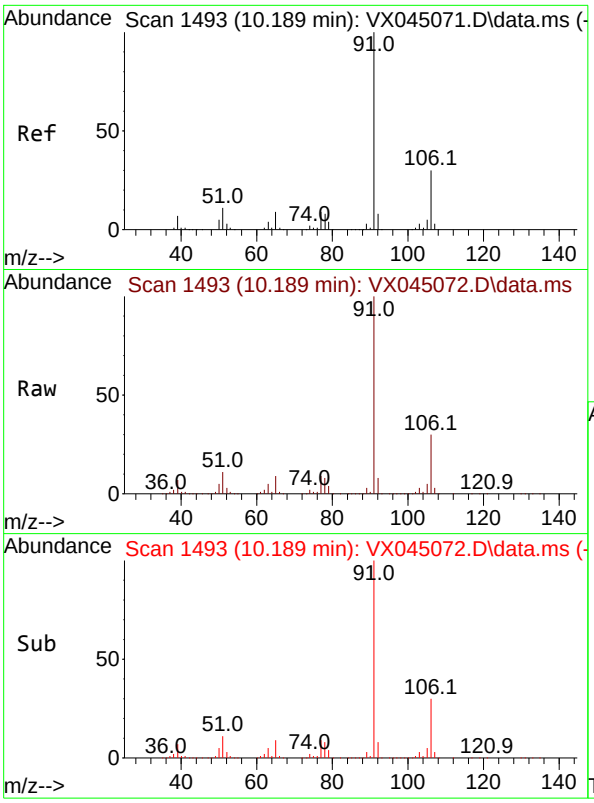


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:131 Resp: 112451

Ion	Ratio	Lower	Upper
131	100		
133	93.1	48.6	145.9
119	65.8	33.9	101.7



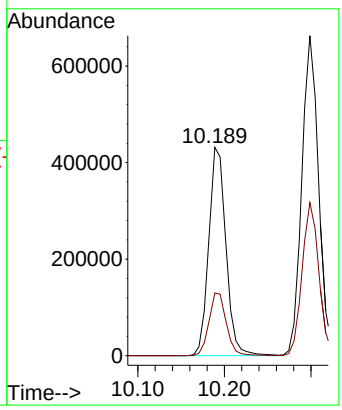


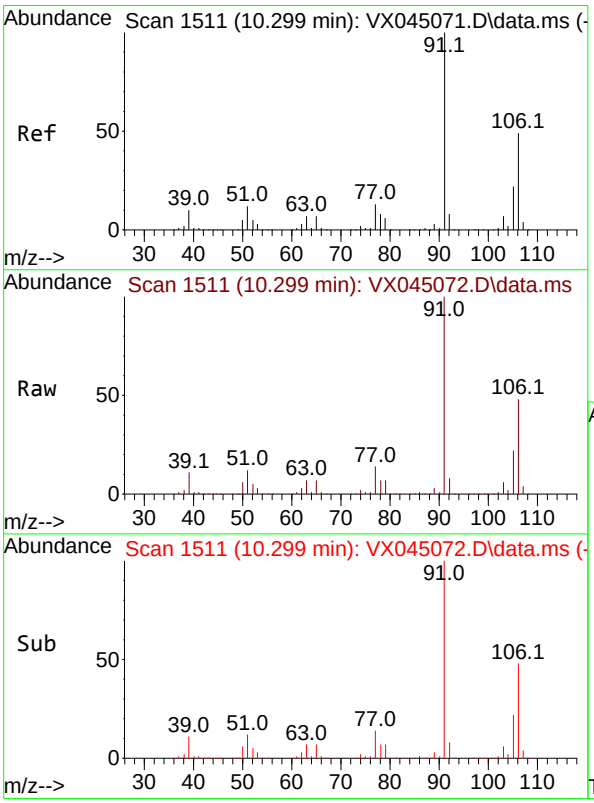
#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 596257

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

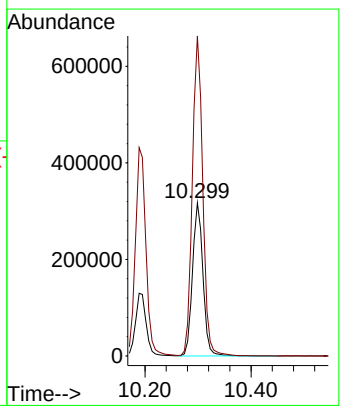


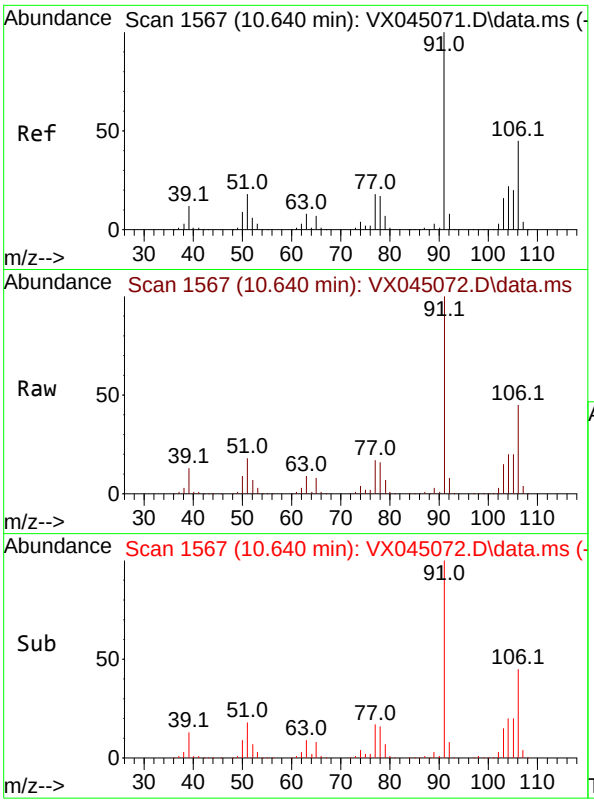


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0



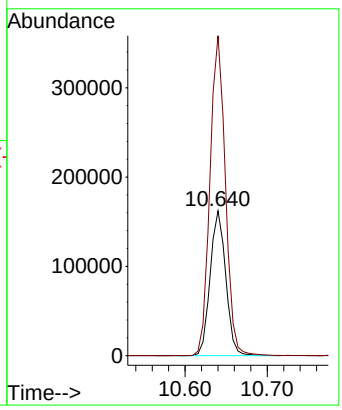


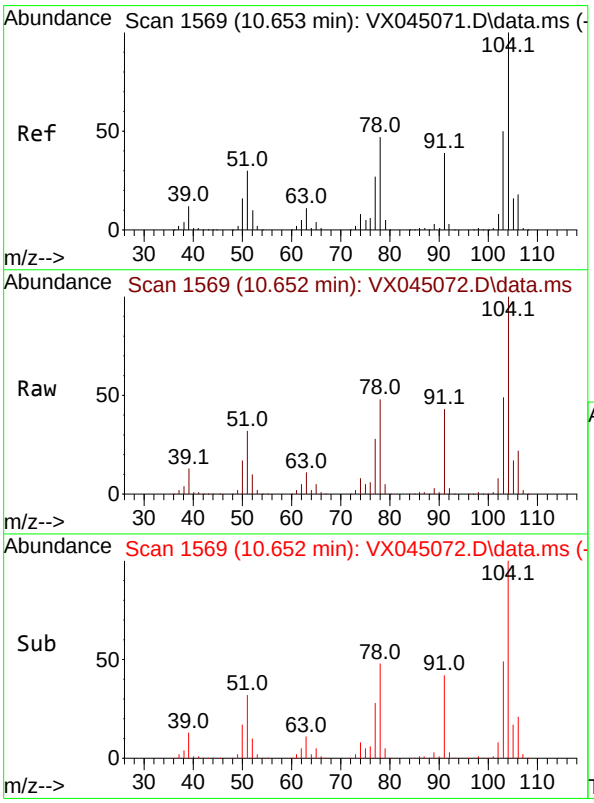
#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 213835

Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6

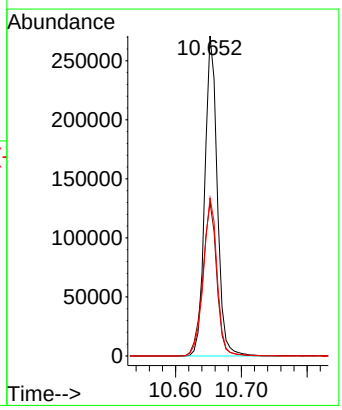


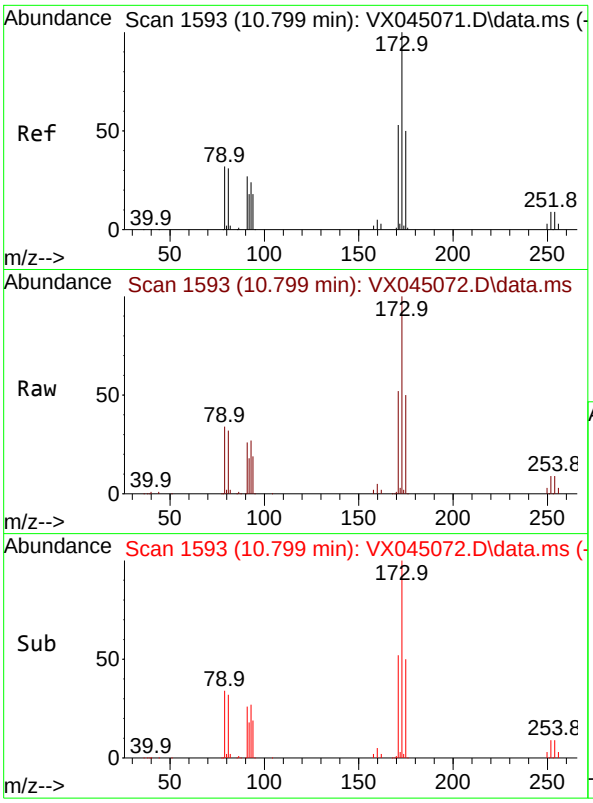


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:104 Resp: 357649

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	54.3	43.8	65.8



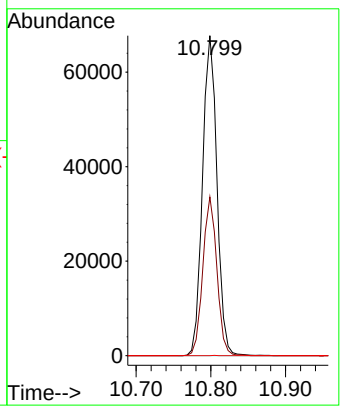


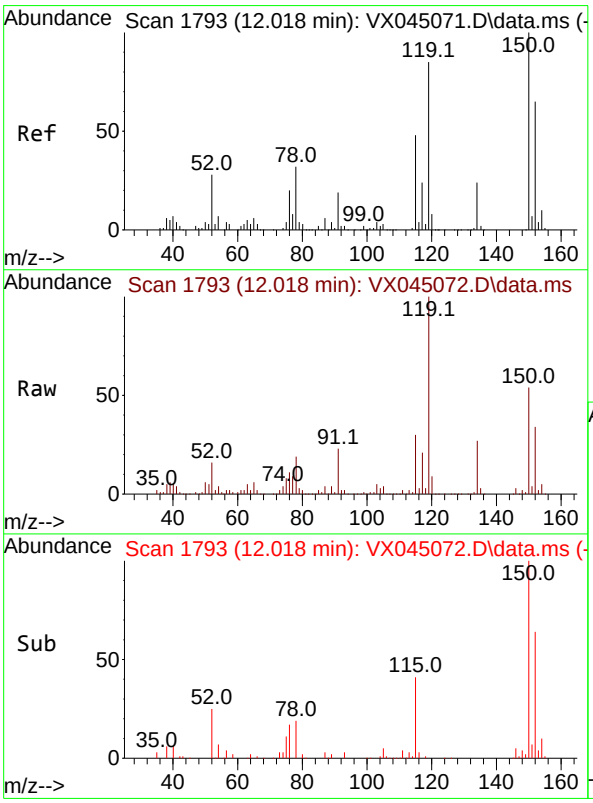
#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 90800

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	0.0	0.0#

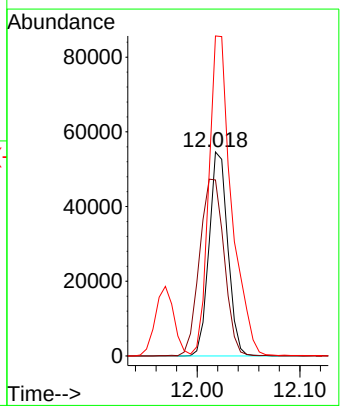


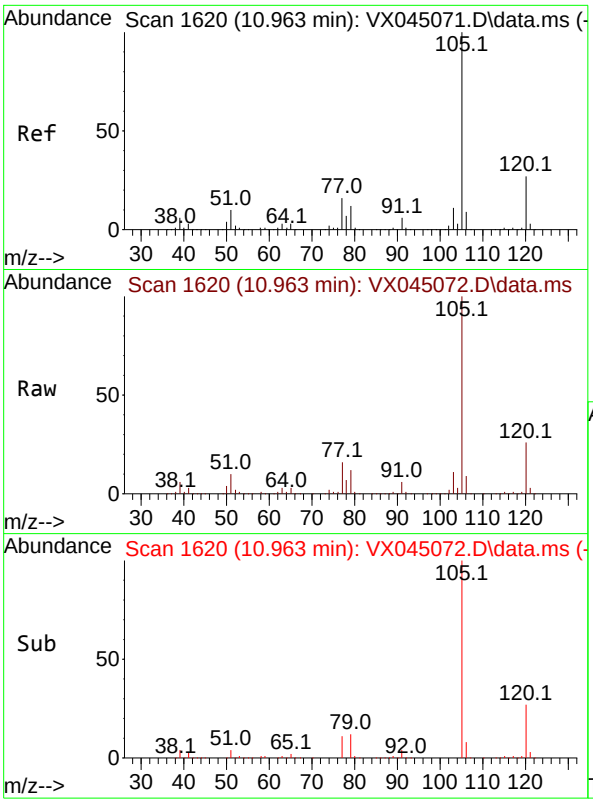


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:152 Resp: 69086

Ion	Ratio	Lower	Upper
152	100		
115	114.1	44.2	132.6
150	190.7	0.0	349.0



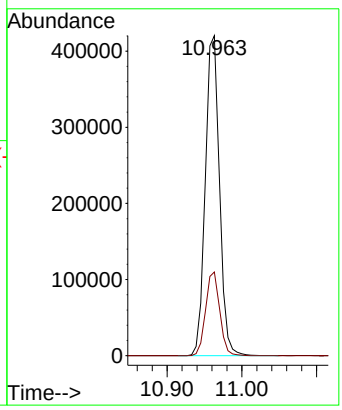


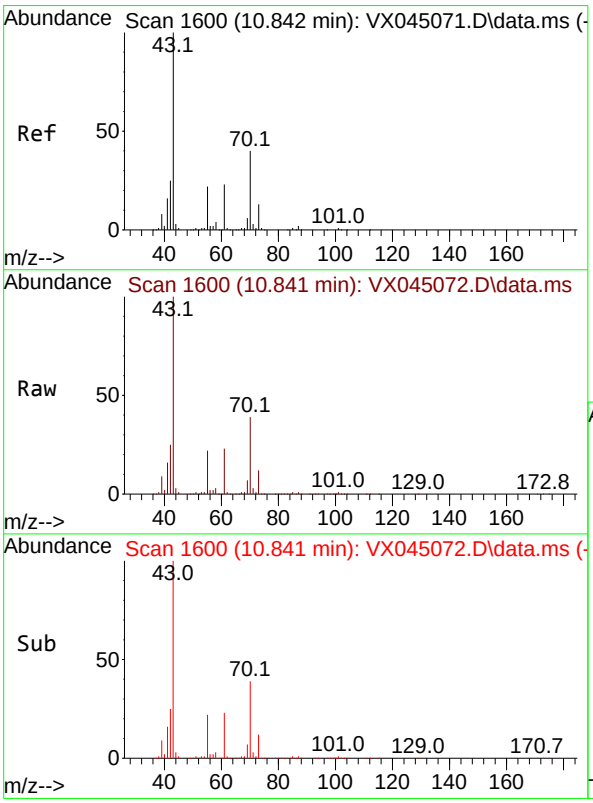
#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 553533

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

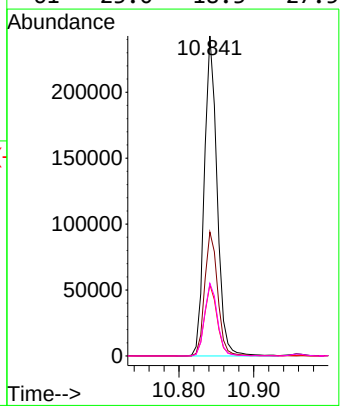


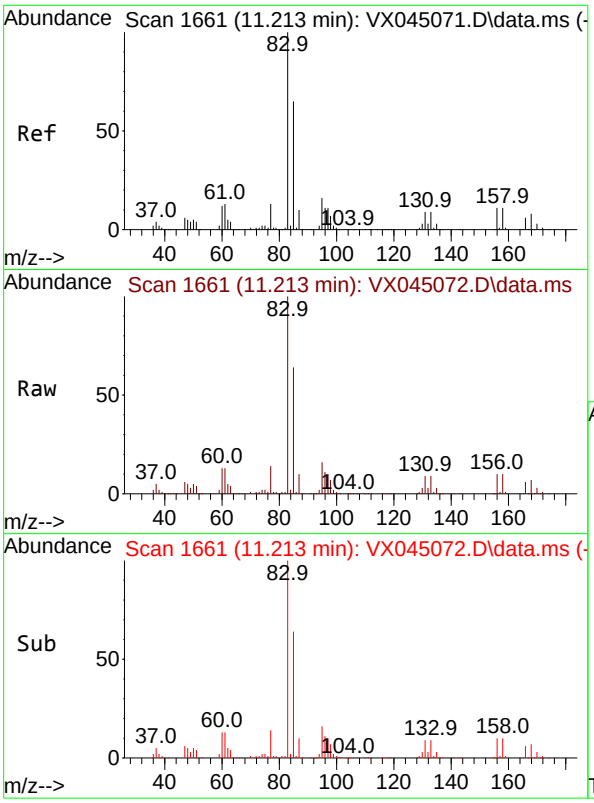


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 287104

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5



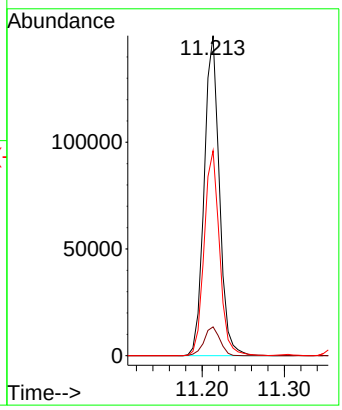


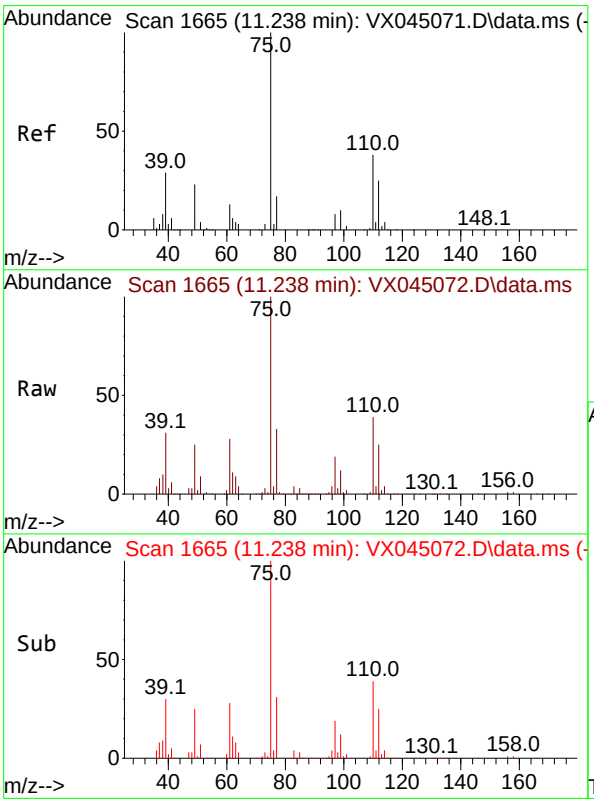
#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 192217

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.7	31.7	95.1

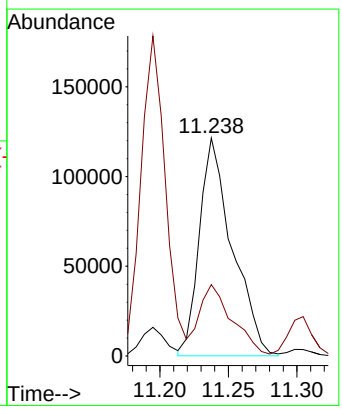


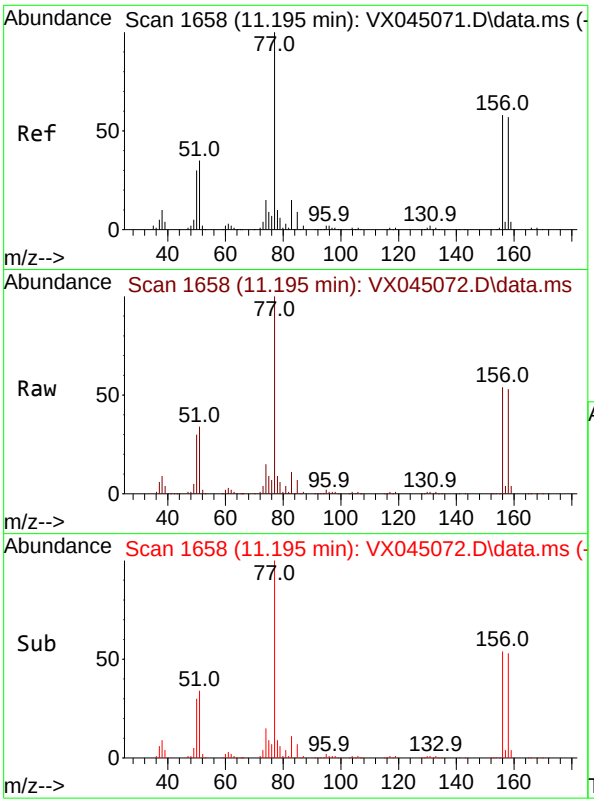


#76
1,2,3-Trichloropropane
Concen: 131.738 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 203020

Ion	Ratio	Lower	Upper
75	100		
77	32.9	20.7	62.1



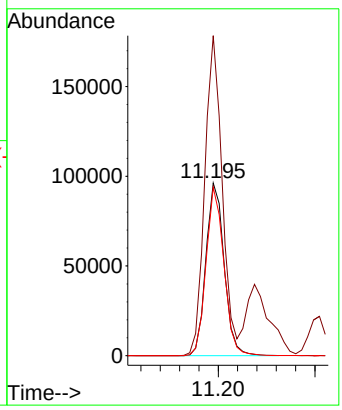


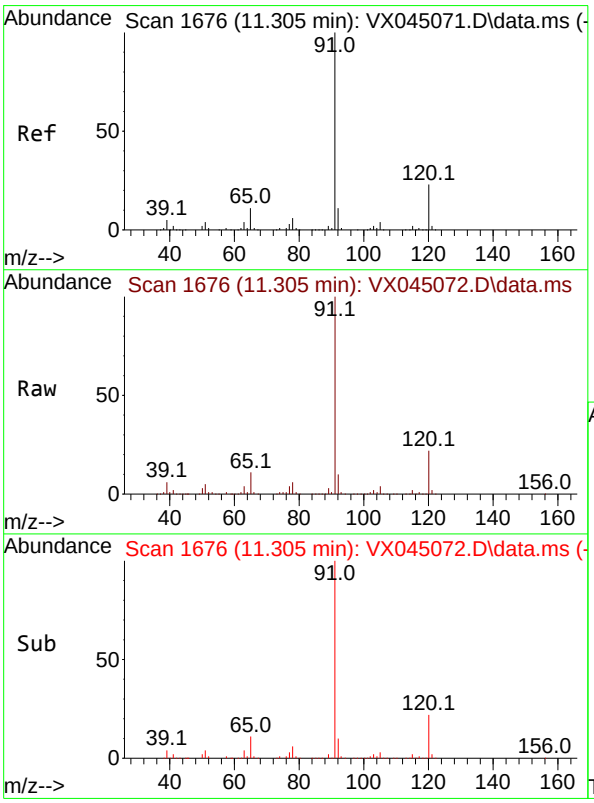
#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 125700

Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	95.9	48.4	145.2

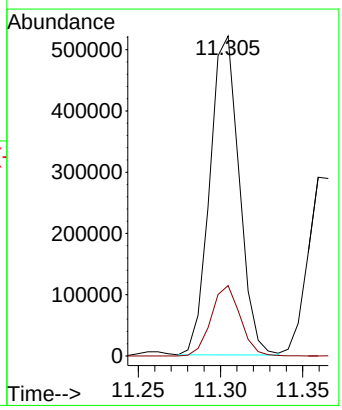


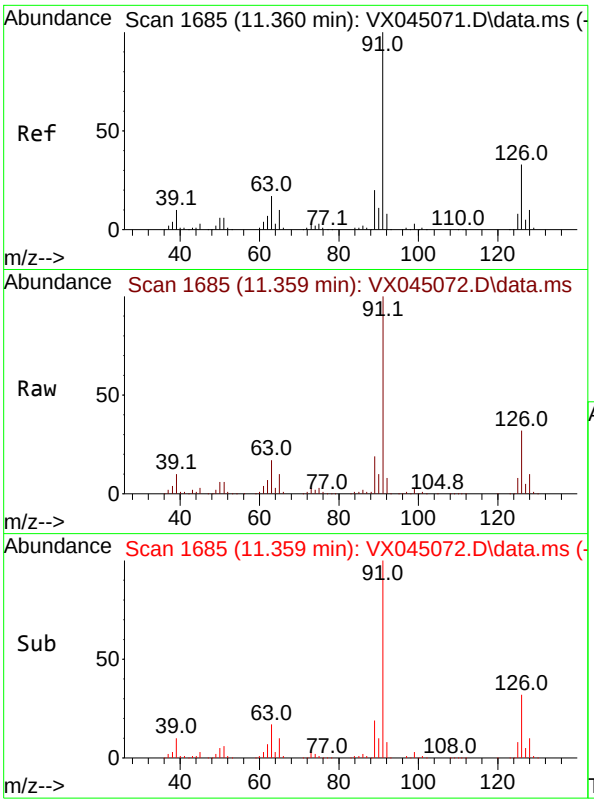


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



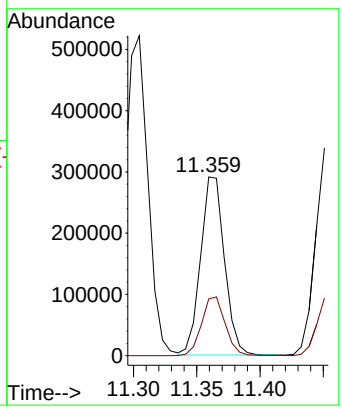


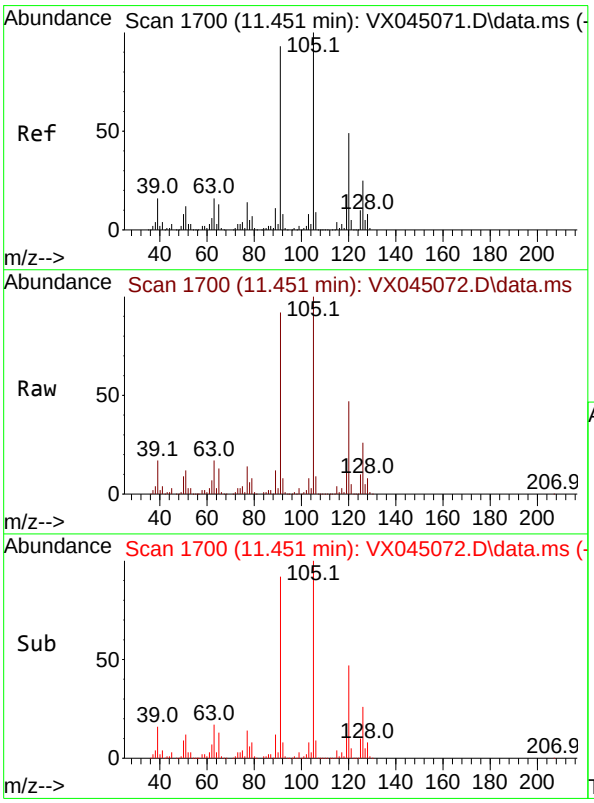
#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 382703

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

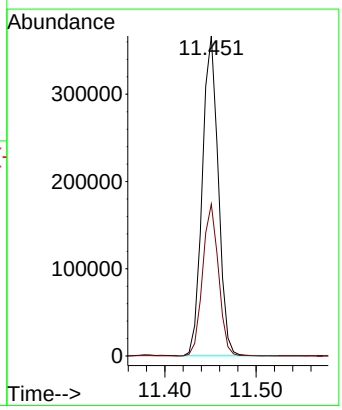


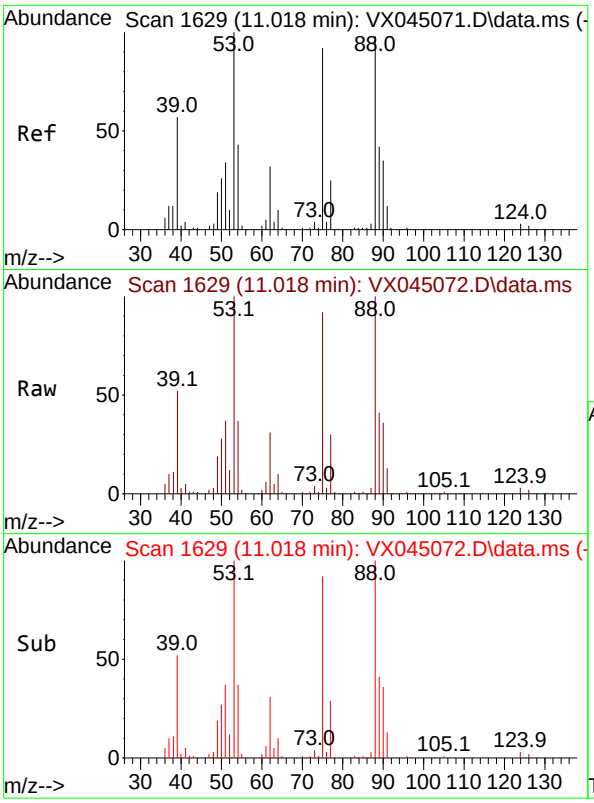


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2



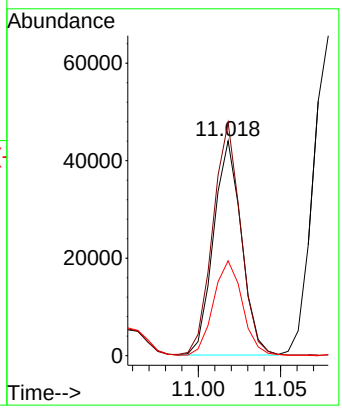


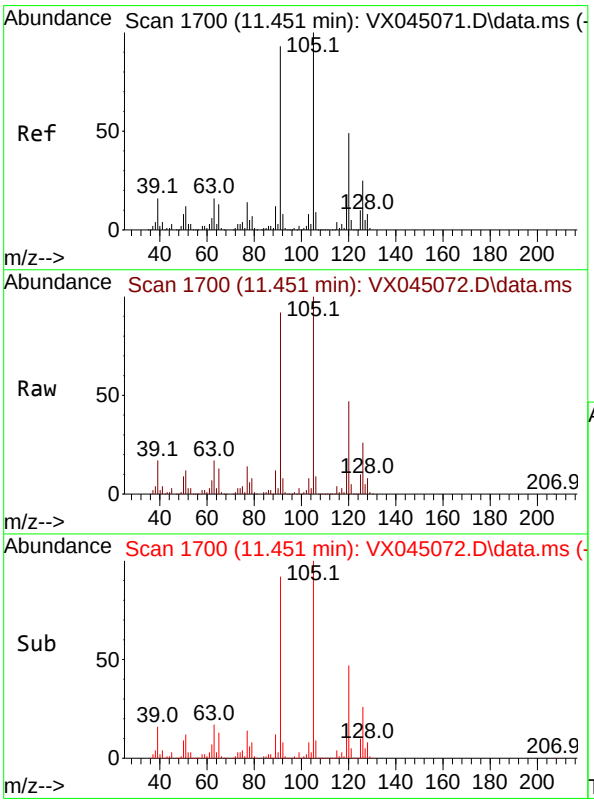
#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 51975

Ion	Ratio	Lower	Upper
75	100		
53	109.9	88.5	132.7
89	45.7	36.2	54.4

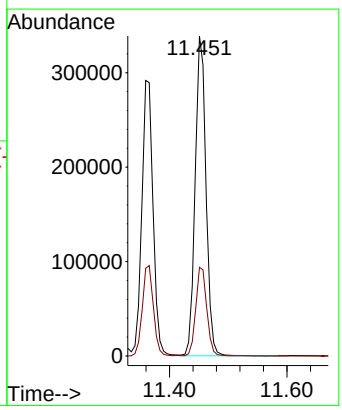


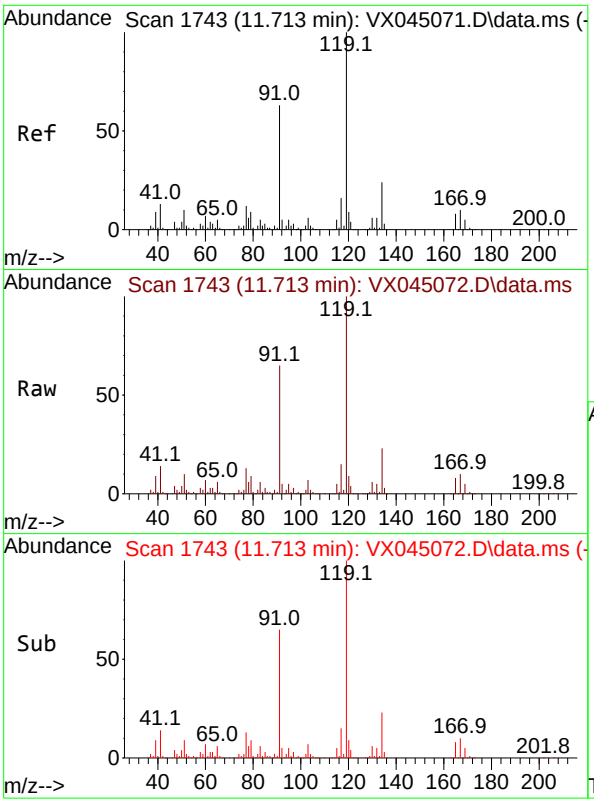


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4



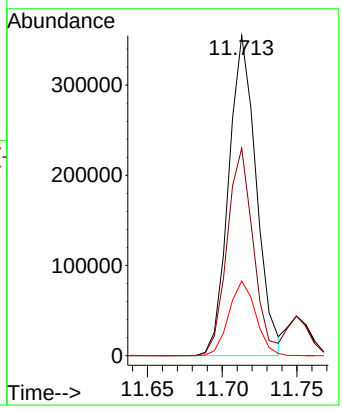


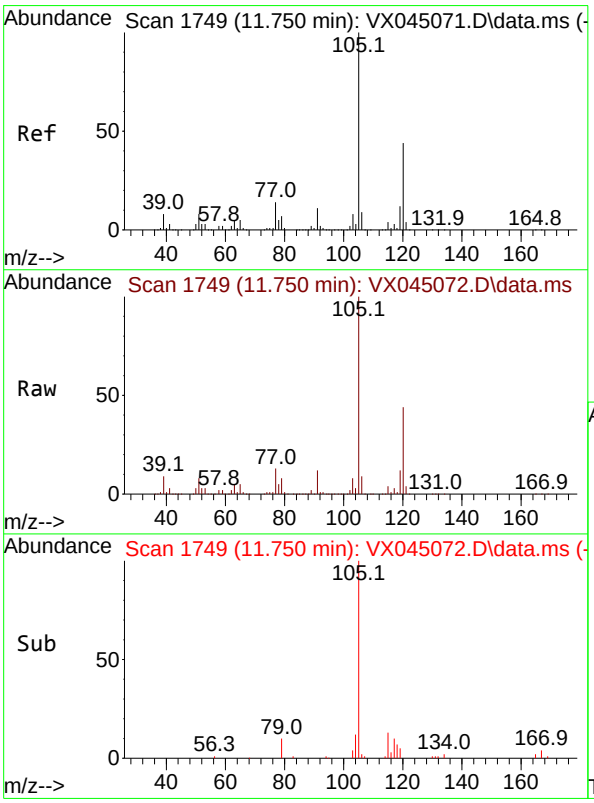
#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 454859

Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.8	11.7	35.0

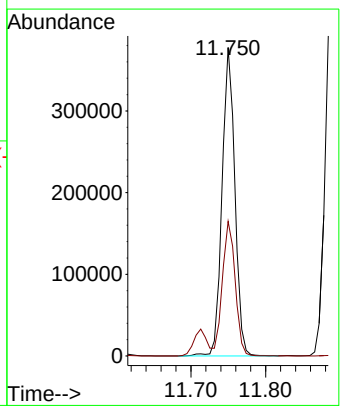


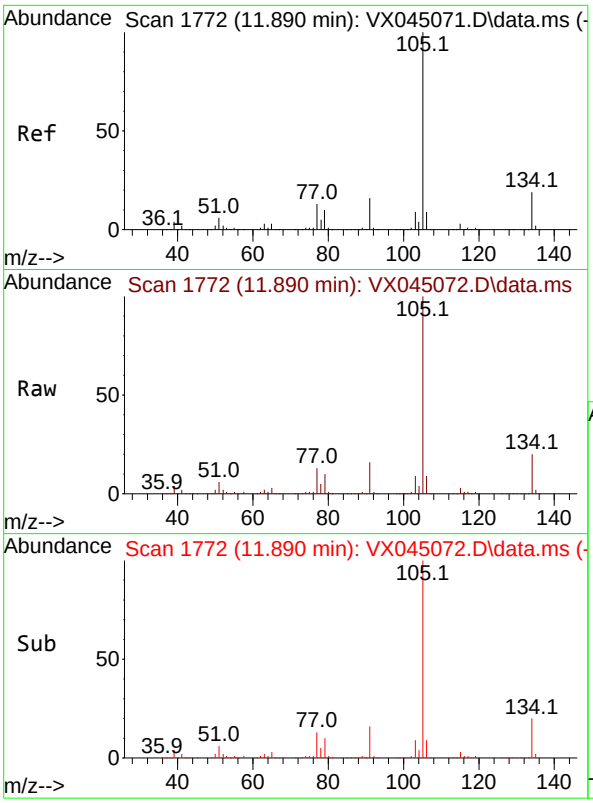


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 450108

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



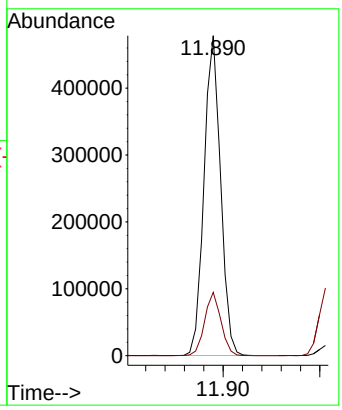


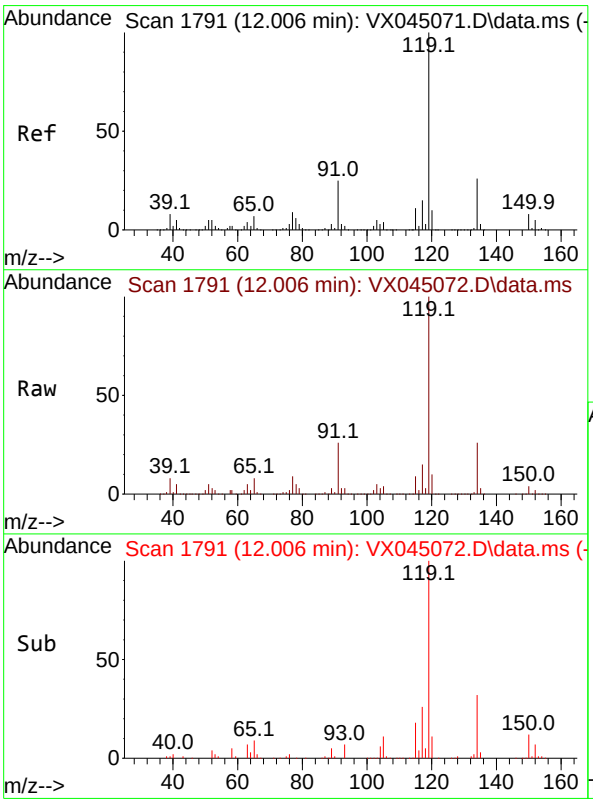
#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 570006

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

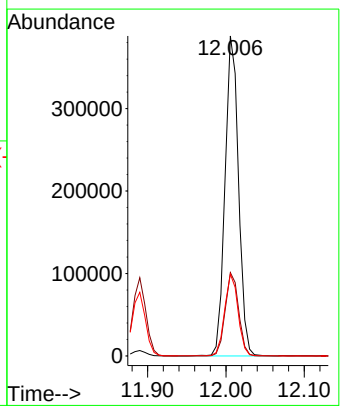


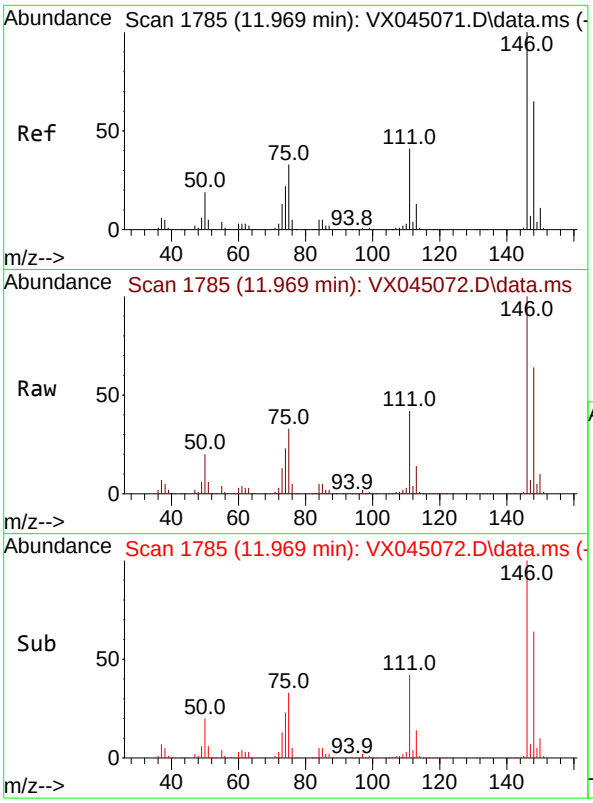


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 465512

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.3	12.7	38.0



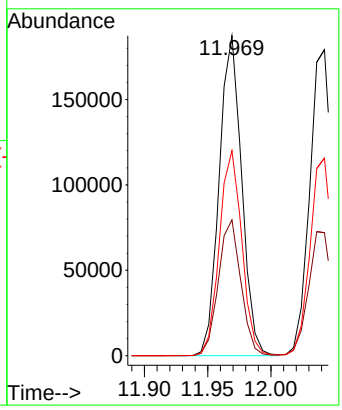


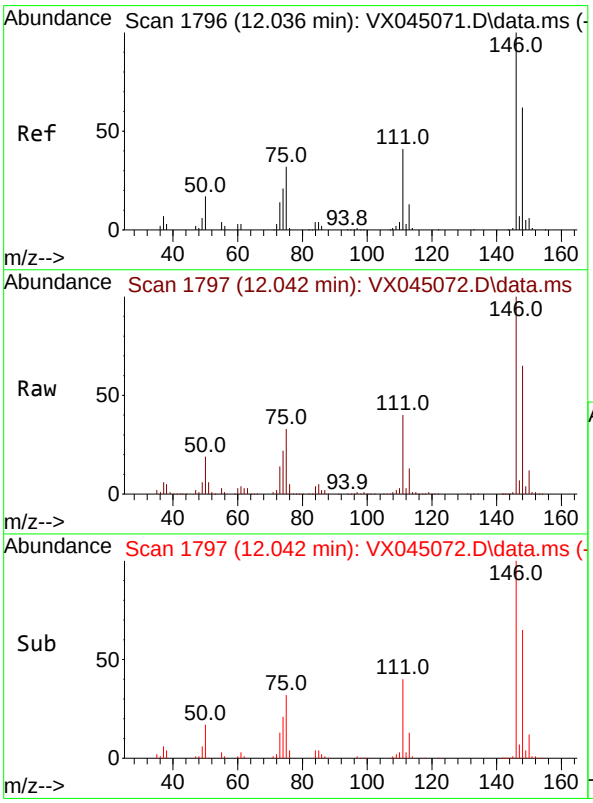
#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 231440

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	31.9	95.7

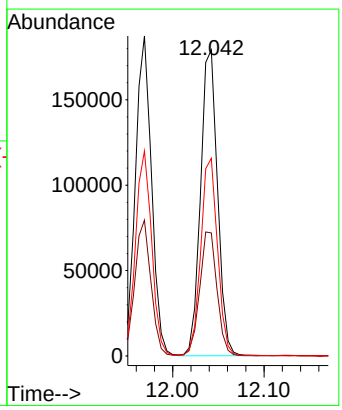


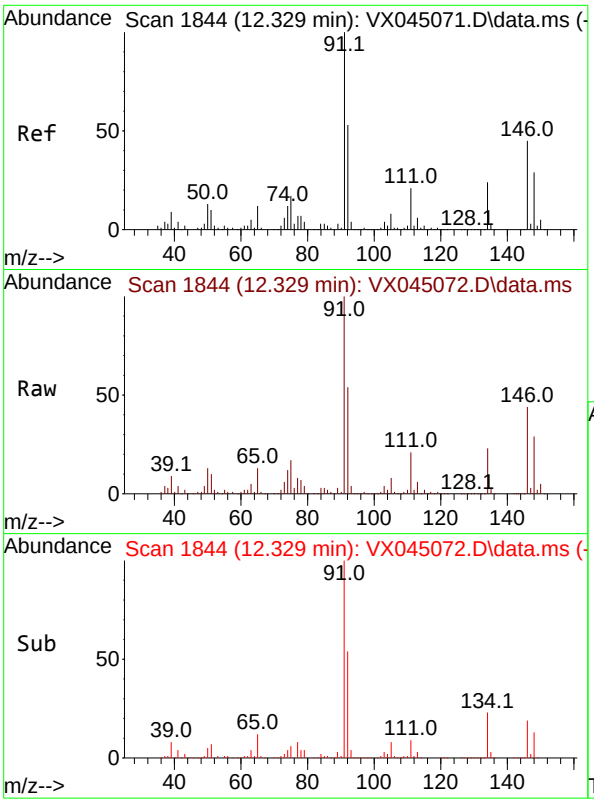


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 230663

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	63.9	31.9	95.9



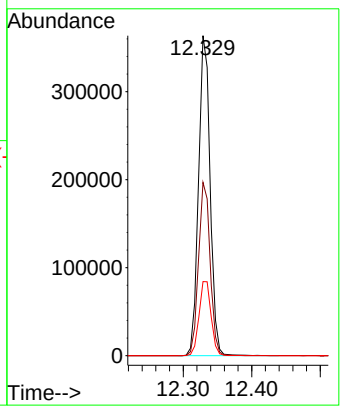


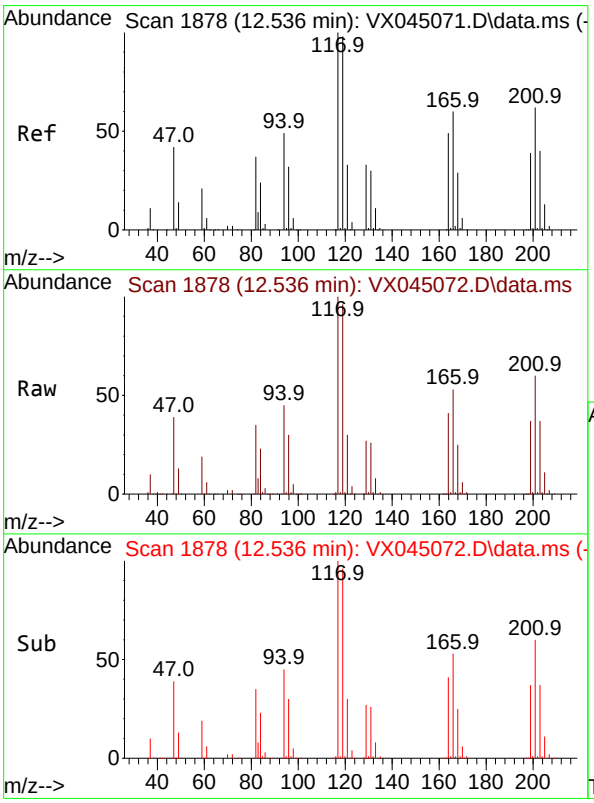
#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 428209

Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.2	12.2	36.6

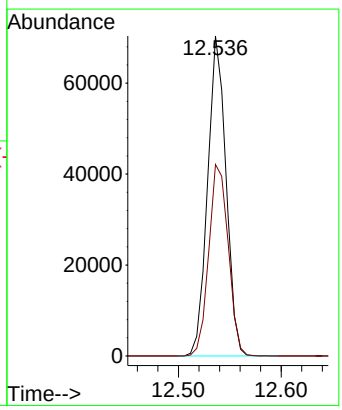


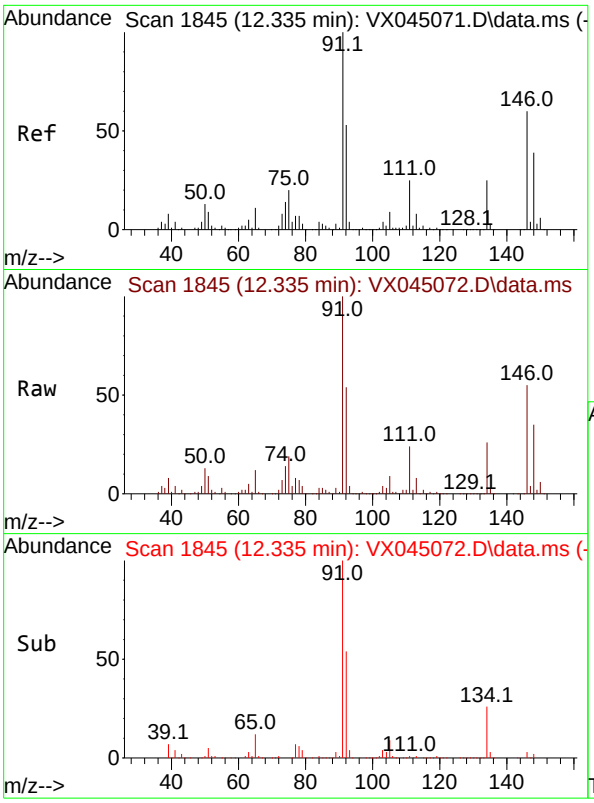


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9



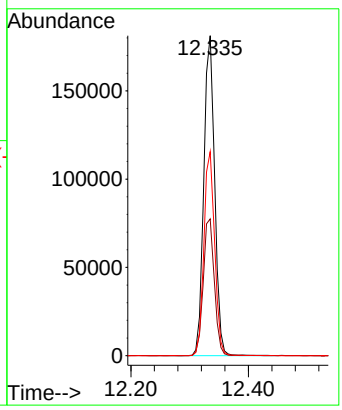


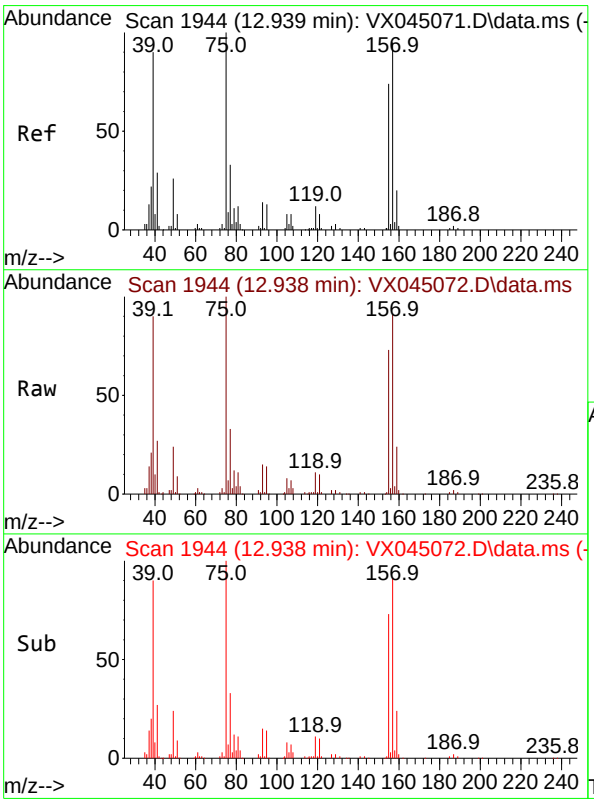
#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 233125

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9

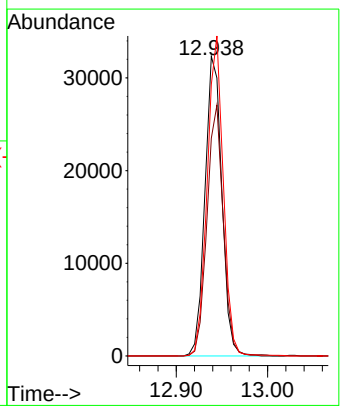


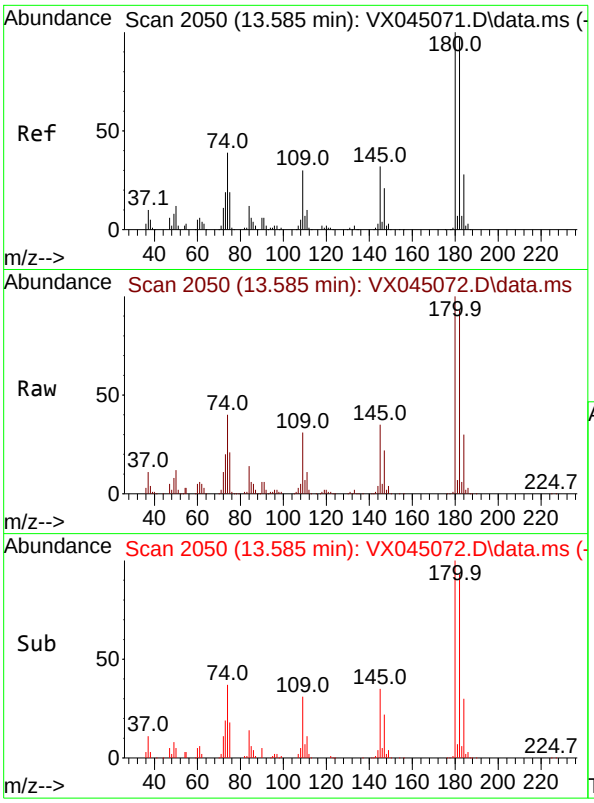


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 41402

Ion	Ratio	Lower	Upper
75	100		
155	80.6	39.6	118.7
157	101.8	51.1	153.4



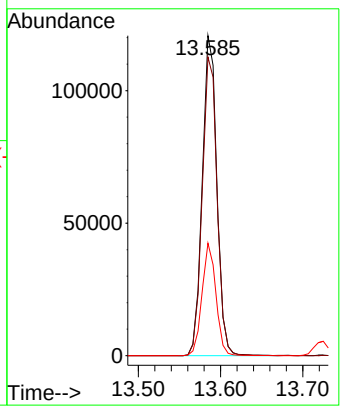


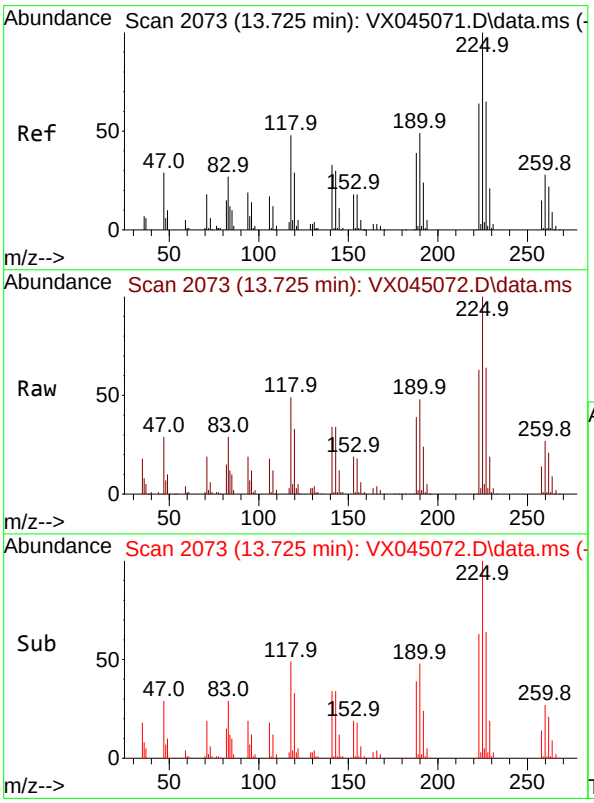
#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 148368

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.6	16.3	48.9

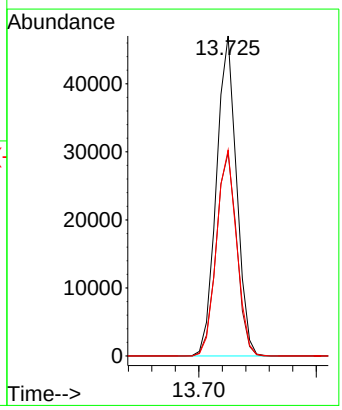


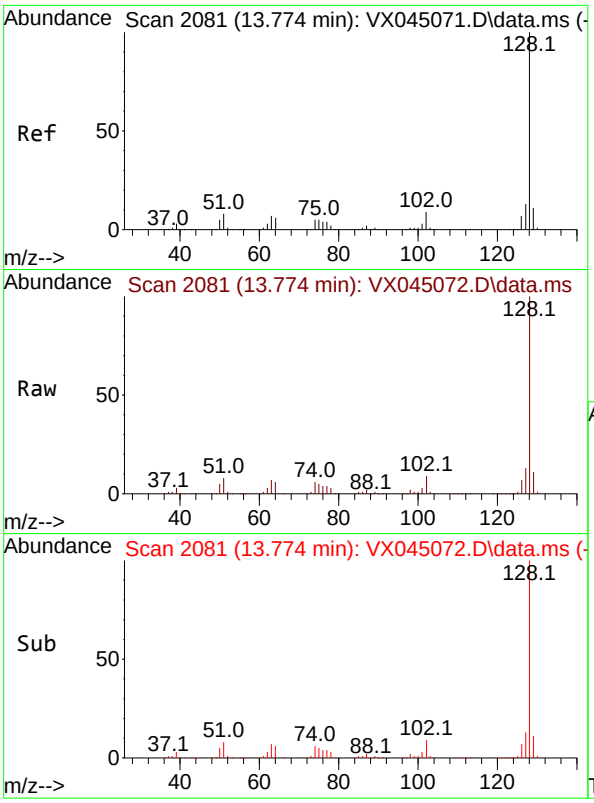


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:225 Resp: 56065

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	64.4	31.4	94.0



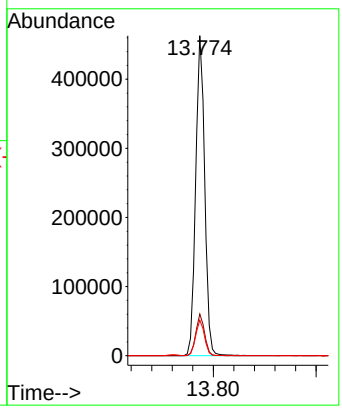


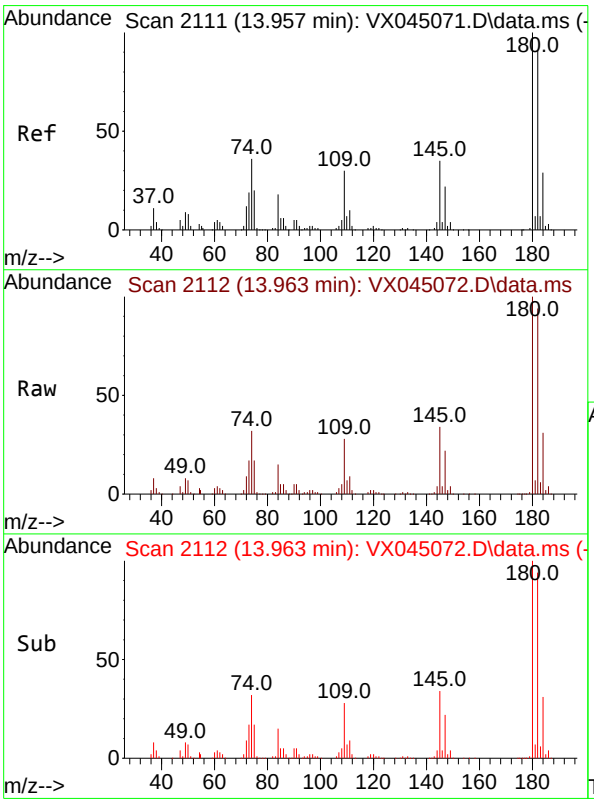
#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 565250

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1

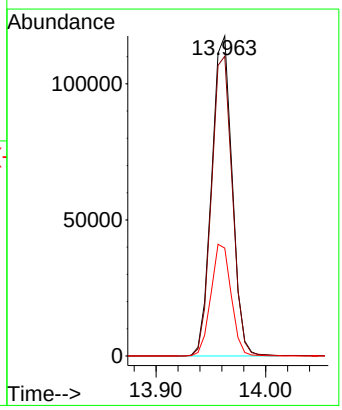




#96
1,2,3-Trichlorobenzene
Concen: 109.554 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 152970

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	34.5	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	95754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67685	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	234624	165.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 331.740%#			
35) Dibromofluoromethane	5.379	113	179722	155.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 310.720%#			
50) Toluene-d8	8.647	98	638979	147.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.080%#			
62) 4-Bromofluorobenzene	11.079	95	223346	154.420	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 308.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	174297	132.067	ug/l	96
3) Chloromethane	1.307	50	213704	133.072	ug/l	97
4) Vinyl Chloride	1.374	62	217672	138.774	ug/l	97
5) Bromomethane	1.593	94	83547	170.379	ug/l	98
6) Chloroethane	1.660	64	82101	137.509	ug/l	95
7) Trichlorofluoromethane	1.861	101	272235	135.494	ug/l	98
8) Diethyl Ether	2.136	74	110005	150.660	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	161825	134.877	ug/l	99
10) Methyl Iodide	2.441	142	212355	138.059	ug/l	99
11) Tert butyl alcohol	3.014	59	195415	754.176	ug/l	97
12) 1,1-Dichloroethene	2.300	96	173271	140.655	ug/l	96
13) Acrolein	2.239	56	263999	940.846	ug/l	98
14) Allyl chloride	2.654	41	308018	139.077	ug/l	98
15) Acrylonitrile	3.069	53	573208	813.990	ug/l	99
16) Acetone	2.392	43	511828	879.387	ug/l	100
17) Carbon Disulfide	2.495	76	487720	145.511	ug/l	98
18) Methyl Acetate	2.709	43	258303	147.347	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	619778	157.358	ug/l	99
20) Methylene Chloride	2.782	84	202913	147.198	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	176924	146.027	ug/l	98
22) Diisopropyl ether	3.764	45	662828	156.526	ug/l	98
23) Vinyl Acetate	3.721	43	2943150	846.586	ug/l	99
24) 1,1-Dichloroethane	3.605	63	363081	153.453	ug/l	99
25) 2-Butanone	4.568	43	818497	872.239	ug/l	99
26) 2,2-Dichloropropane	4.465	77	179826	102.231	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	220826	151.205	ug/l	98
28) Bromochloromethane	4.891	49	171273	150.105	ug/l	100
29) Tetrahydrofuran	5.007	42	528574	850.174	ug/l	99
30) Chloroform	5.093	83	351934	152.067	ug/l	97
31) Cyclohexane	5.458	56	302215	139.174	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	294434	151.120	ug/l	100
36) 1,1-Dichloropropene	5.684	75	241405	145.112	ug/l	100
37) Ethyl Acetate	4.721	43	316250	167.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	245917	150.363	ug/l	99
39) Methylcyclohexane	7.373	83	292216	137.544	ug/l	97
40) Benzene	6.031	78	755854	145.368	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	175023	173.088	ug/l		99
42) 1,2-Dichloroethane	6.080	62	276129	163.872	ug/l		99
43) Isopropyl Acetate	6.342	43	511643	169.804	ug/l		99
44) Trichloroethene	7.123	130	178483	150.181	ug/l		97
45) 1,2-Dichloropropane	7.428	63	198135	153.334	ug/l		100
46) Dibromomethane	7.580	93	142119	157.443	ug/l		99
47) Bromodichloromethane	7.818	83	280255	160.492	ug/l		99
48) Methyl methacrylate	7.696	41	252275	176.370	ug/l		99
49) 1,4-Dioxane	7.665	88	96268	3166.423	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1536157	832.051	ug/l		99
52) Toluene	8.714	92	448664	145.321	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	266444	154.373	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	293521	152.117	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	178217	149.046	ug/l		98
56) Ethyl methacrylate	9.116	69	310992	162.631	ug/l		98
57) 1,3-Dichloropropane	9.305	76	312196	149.699	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	717328	764.019	ug/l		99
59) 2-Hexanone	9.433	43	1156653	868.492	ug/l		100
60) Dibromochloromethane	9.519	129	201906	158.276	ug/l		99
61) 1,2-Dibromoethane	9.610	107	185828	154.074	ug/l		100
64) Tetrachloroethene	9.269	164	139536	145.906	ug/l		94
65) Chlorobenzene	10.079	112	472117	146.096	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	163370	156.845	ug/l		97
67) Ethyl Benzene	10.189	91	852575	149.191	ug/l		99
68) m/p-Xylenes	10.299	106	607523	288.655	ug/l		97
69) o-Xylene	10.640	106	302495	143.259	ug/l		99
70) Styrene	10.653	104	512379	150.979	ug/l		99
71) Bromoform	10.799	173	135388	174.808	ug/l	#	99
73) Isopropylbenzene	10.963	105	780706	142.719	ug/l		99
74) N-amyl acetate	10.842	43	429686	173.042	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	283558	150.458	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	303633	201.103	ug/l		86
77) Bromobenzene	11.195	156	180997	145.760	ug/l		96
78) n-propylbenzene	11.305	91	923593	146.395	ug/l		99
79) 2-Chlorotoluene	11.366	91	548695	141.695	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	635832	143.293	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	82267	147.761	ug/l		98
82) 4-Chlorotoluene	11.451	91	627816	146.464	ug/l		99
83) tert-Butylbenzene	11.713	119	641713	142.974	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	647248	148.135	ug/l		100
85) sec-Butylbenzene	11.890	105	807713	145.383	ug/l		100
86) p-Isopropyltoluene	12.006	119	664916	149.075	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	334751	147.488	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	333594	145.189	ug/l		99
89) n-Butylbenzene	12.329	91	620757	158.324	ug/l		99
90) Hexachloroethane	12.536	117	128582	154.554	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	329318	147.436	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64958	186.240	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	219313	162.416	ug/l		99
94) Hexachlorobutadiene	13.725	225	80241	149.034	ug/l		99
95) Naphthalene	13.774	128	828949	168.538	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	222608	162.727	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

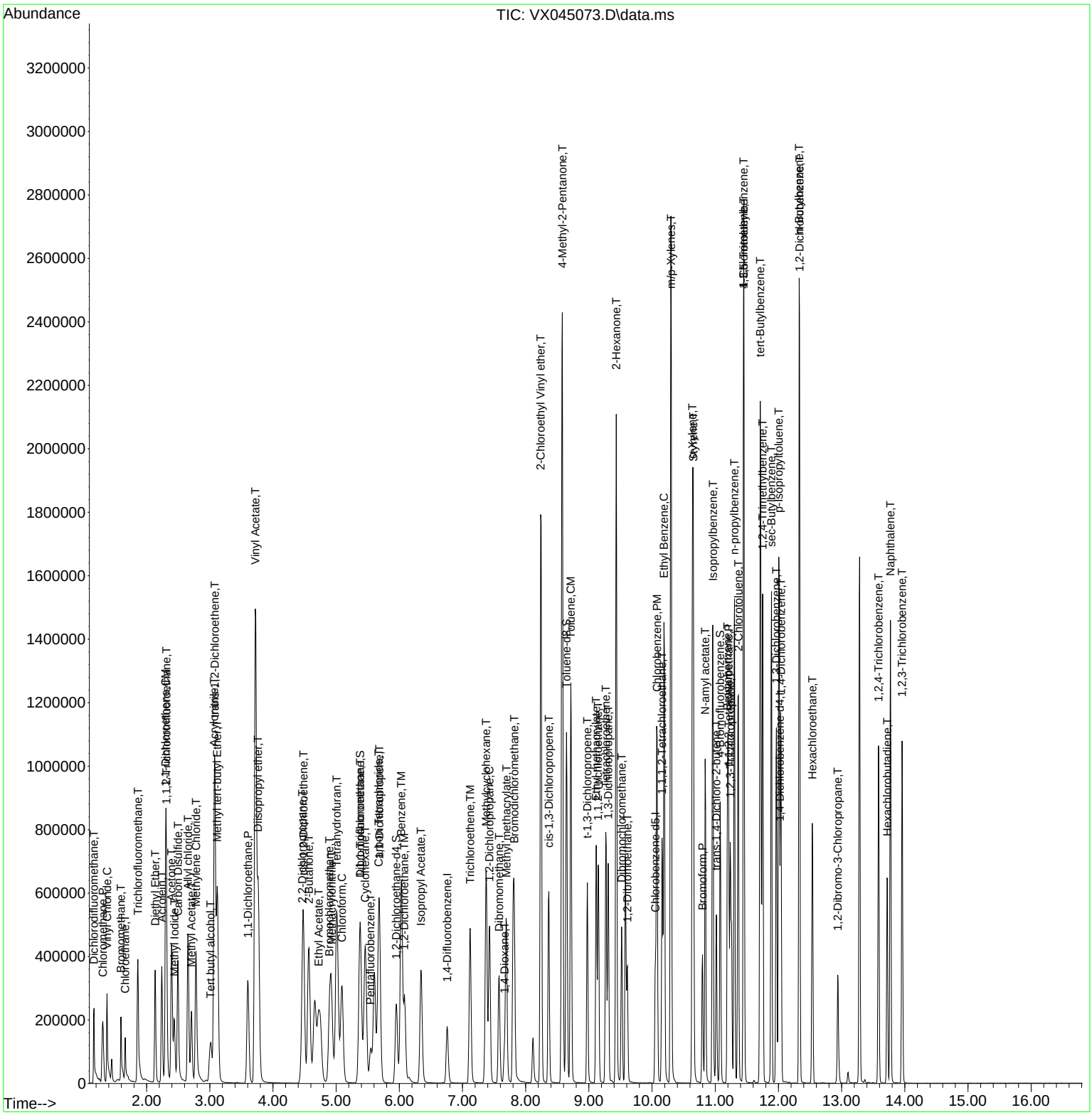
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

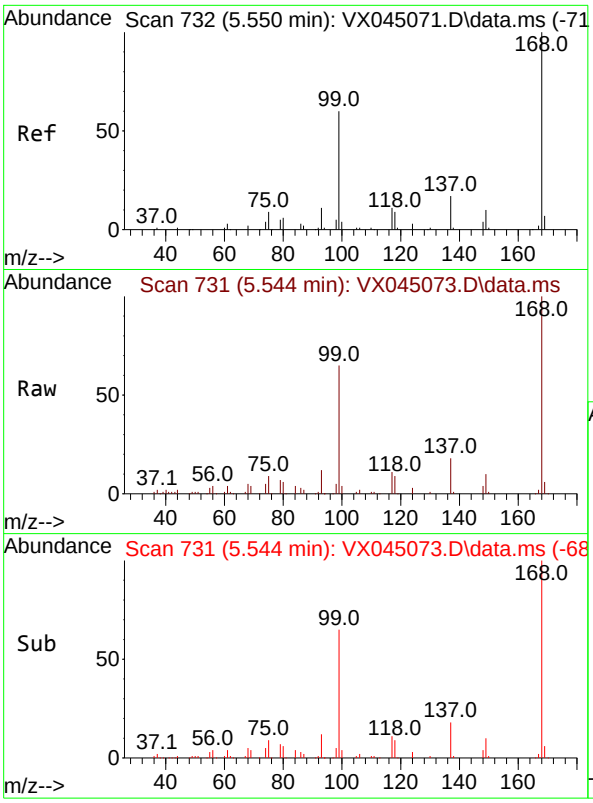
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration



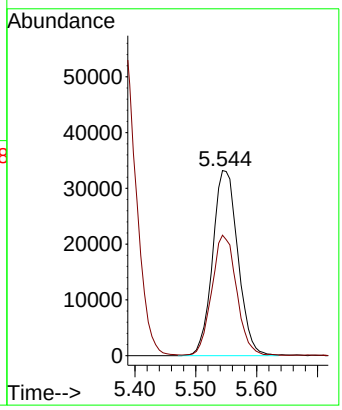


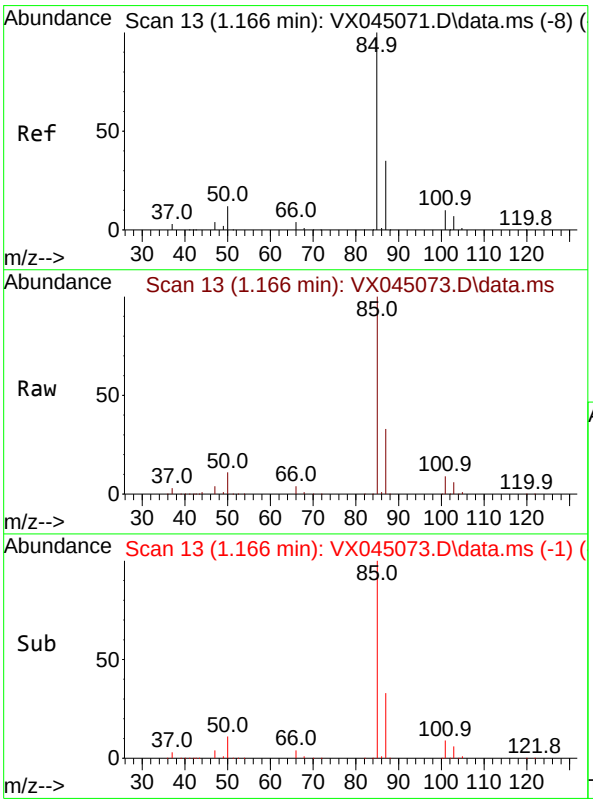
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 95754

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4

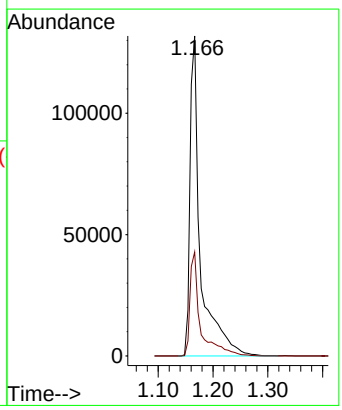


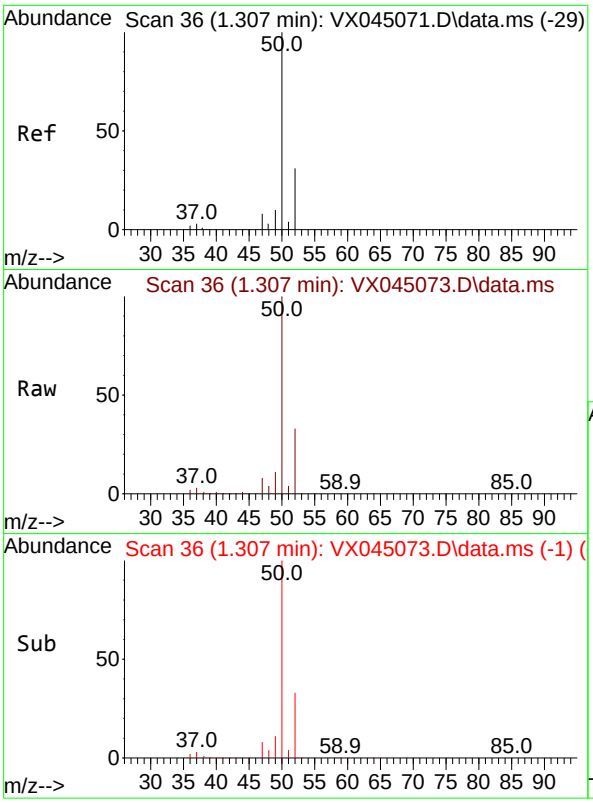


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 85 Resp: 174297

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3



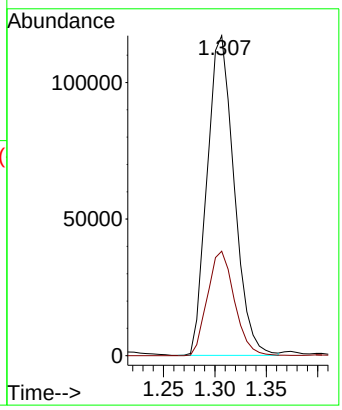


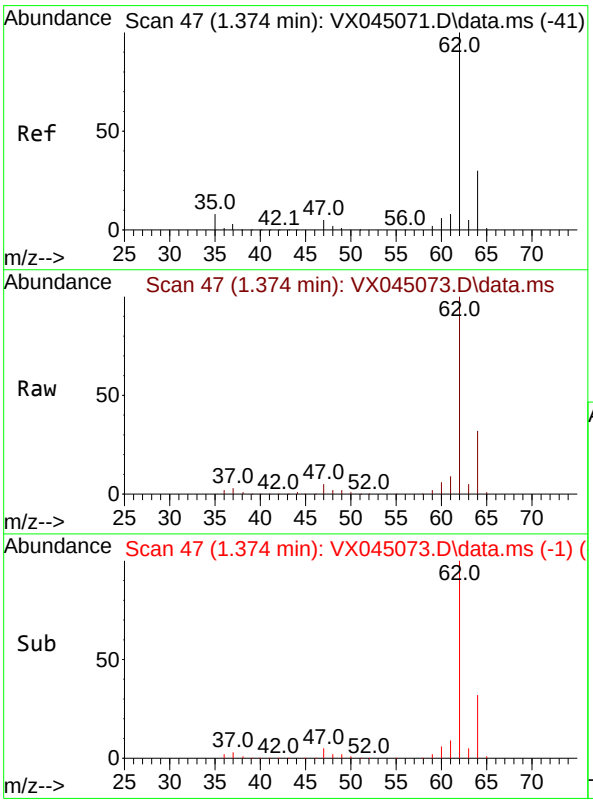
#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 213704

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4

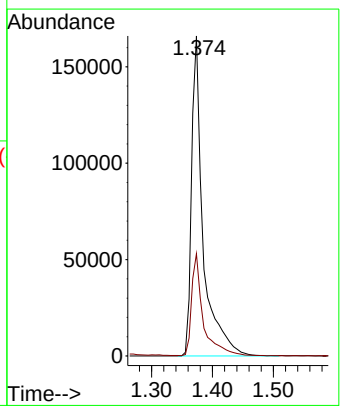


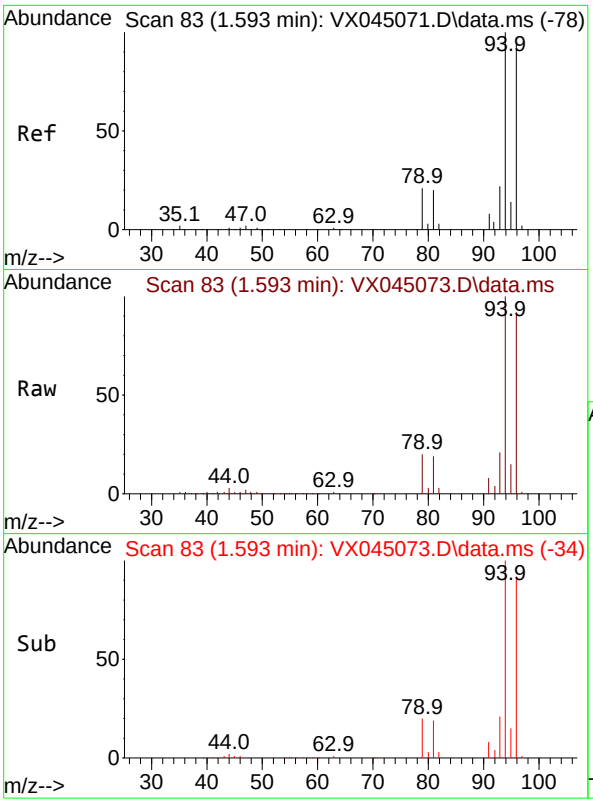


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.3	36.5



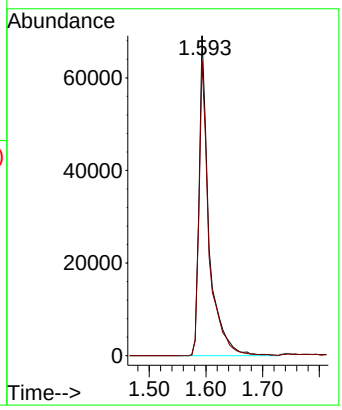


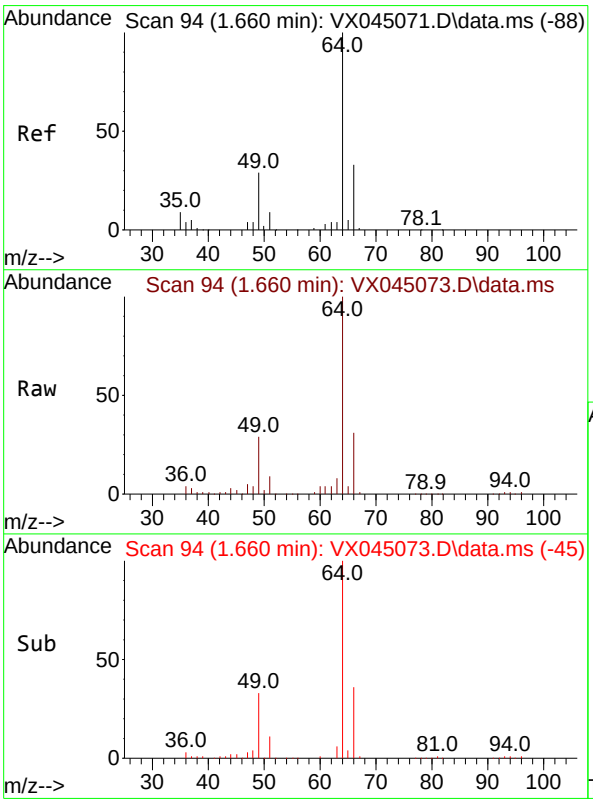
#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 83547

Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4

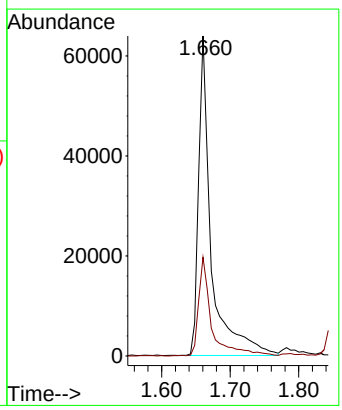


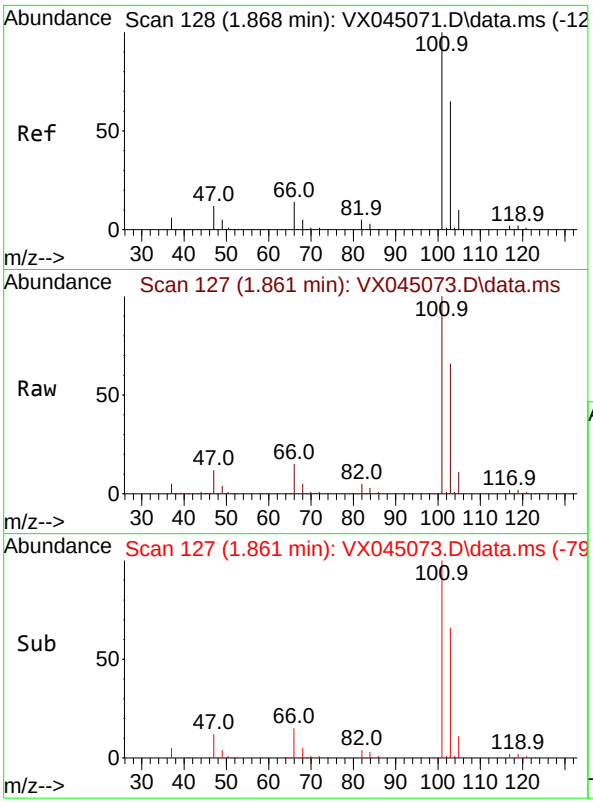


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1



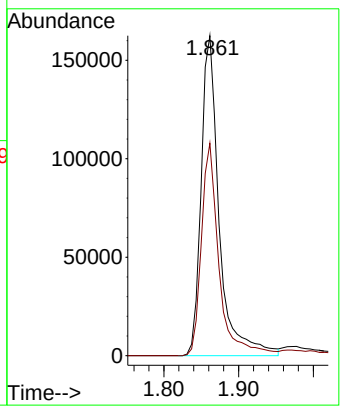


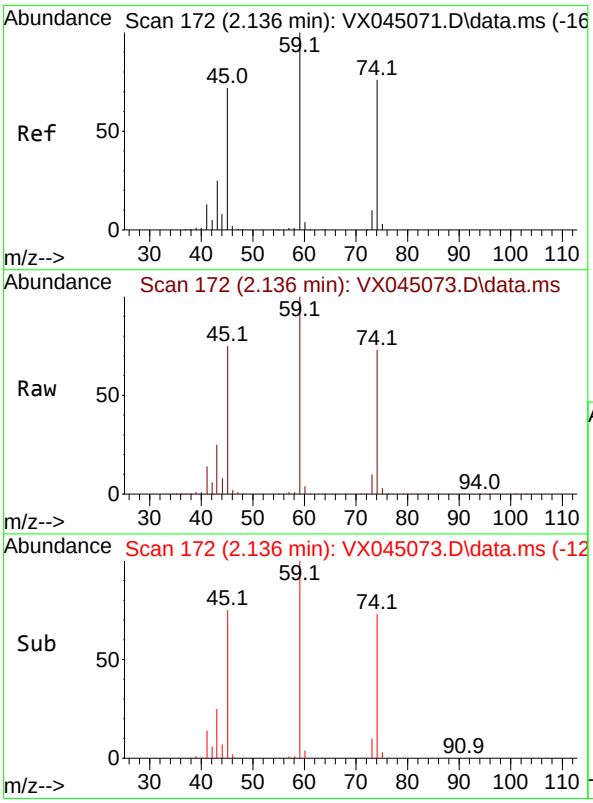
#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 272235

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

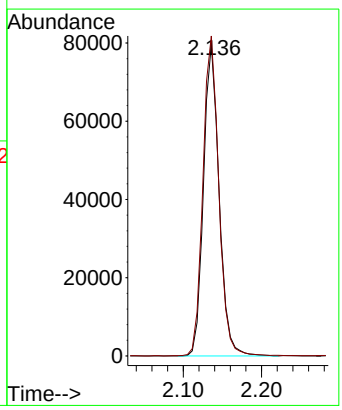


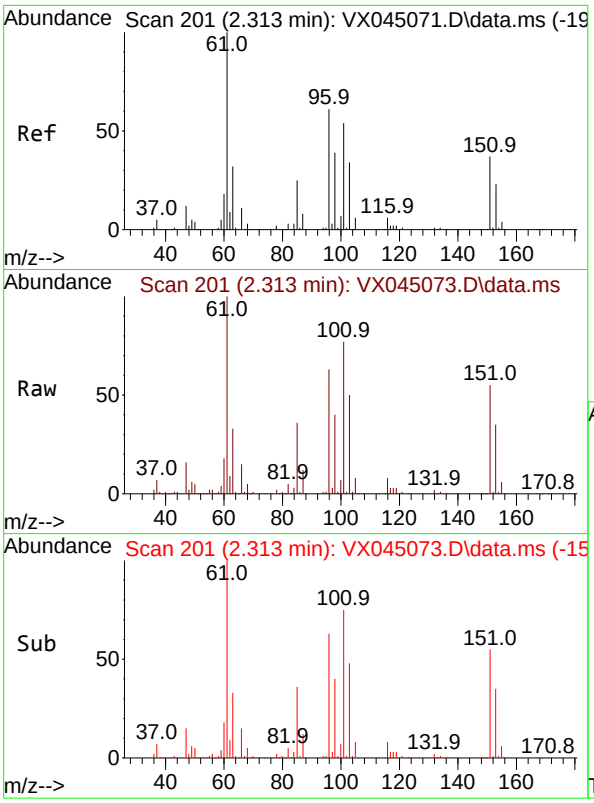


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005

Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.5	154.5



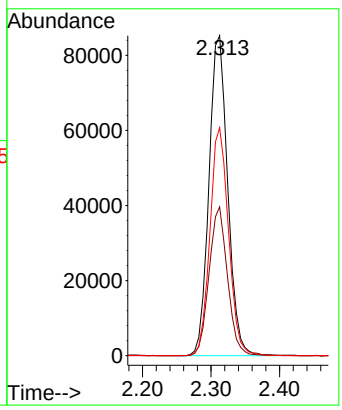


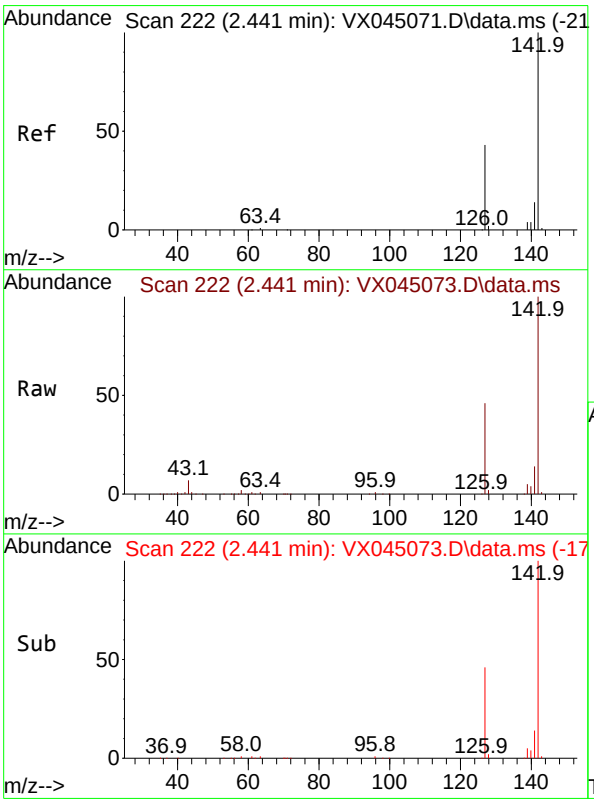
#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 161825

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	70.8	56.4	84.6

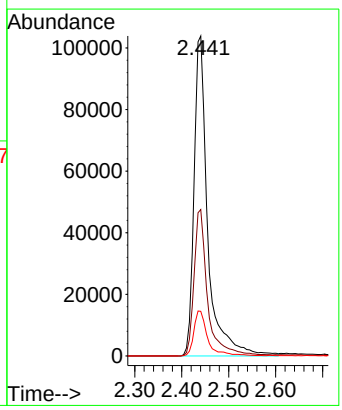


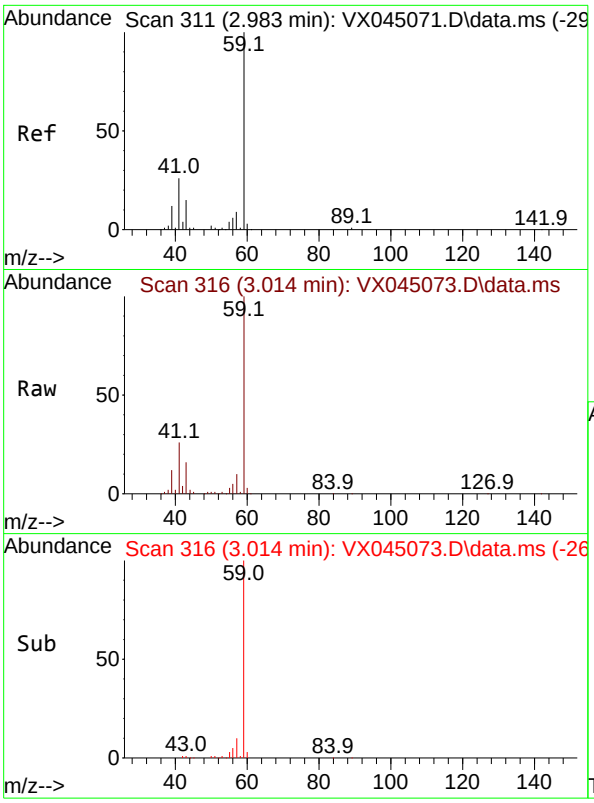


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:142 Resp: 212355

Ion	Ratio	Lower	Upper
142	100		
127	45.2	35.4	53.2
141	14.3	11.6	17.4



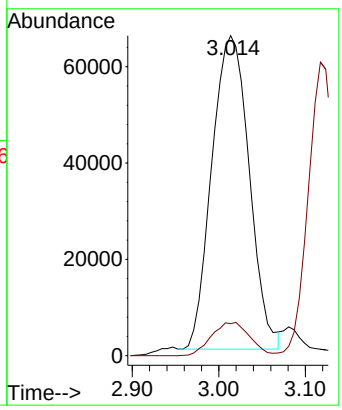


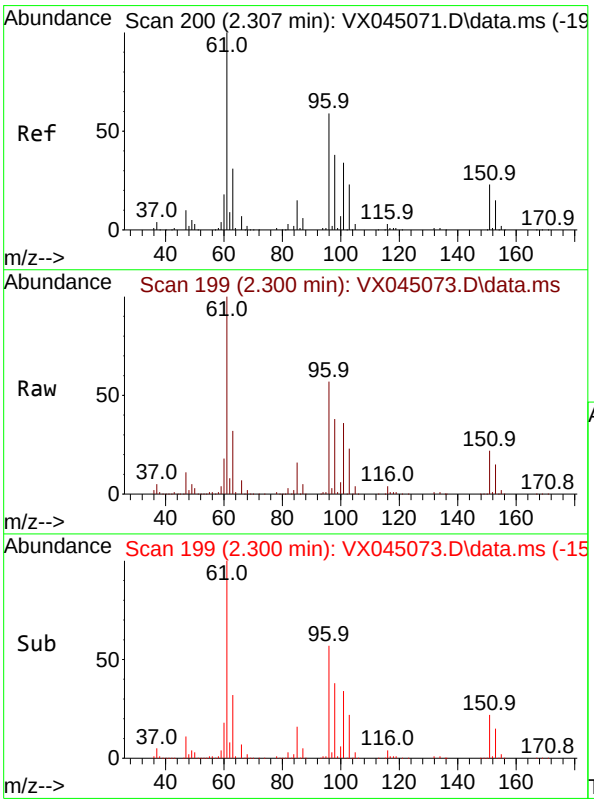
#11
Tert butyl alcohol
Concen: 754.176 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.030 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 195415

Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

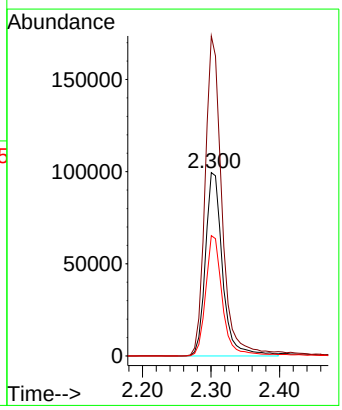


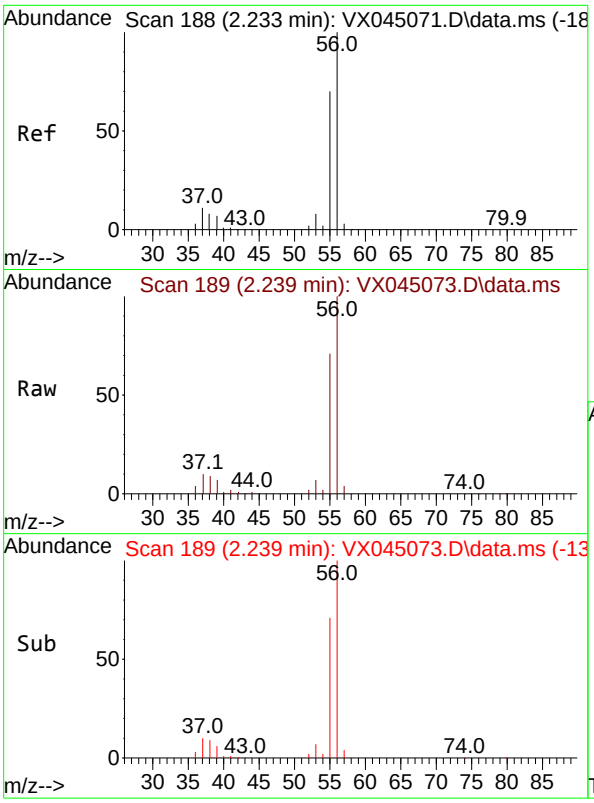


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 173271

Ion	Ratio	Lower	Upper
96	100		
61	174.5	134.6	202.0
98	65.6	51.0	76.6



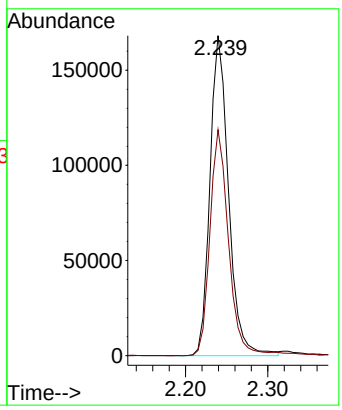


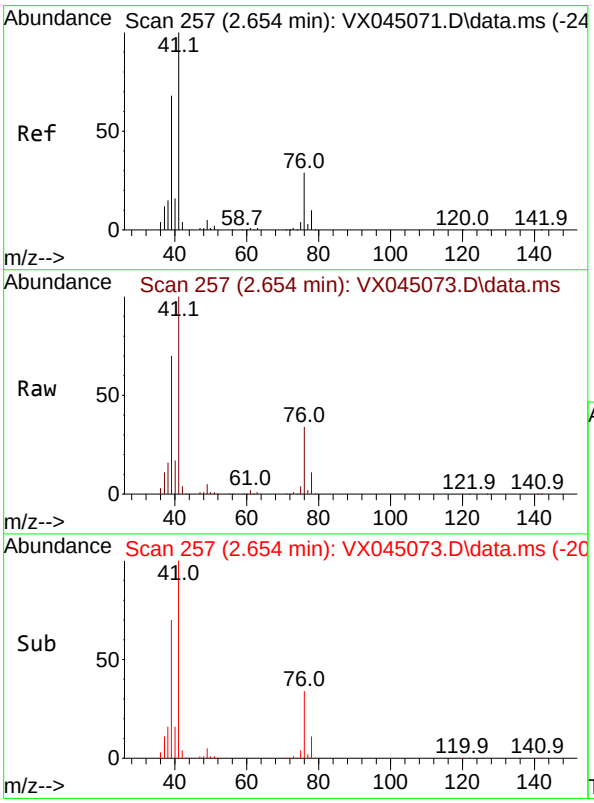
#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 263999

Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4

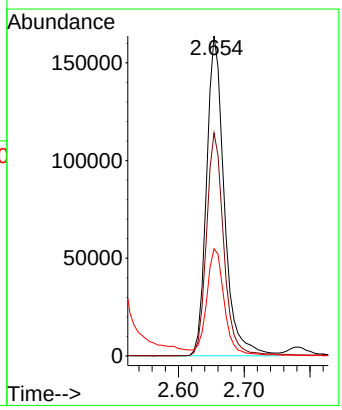


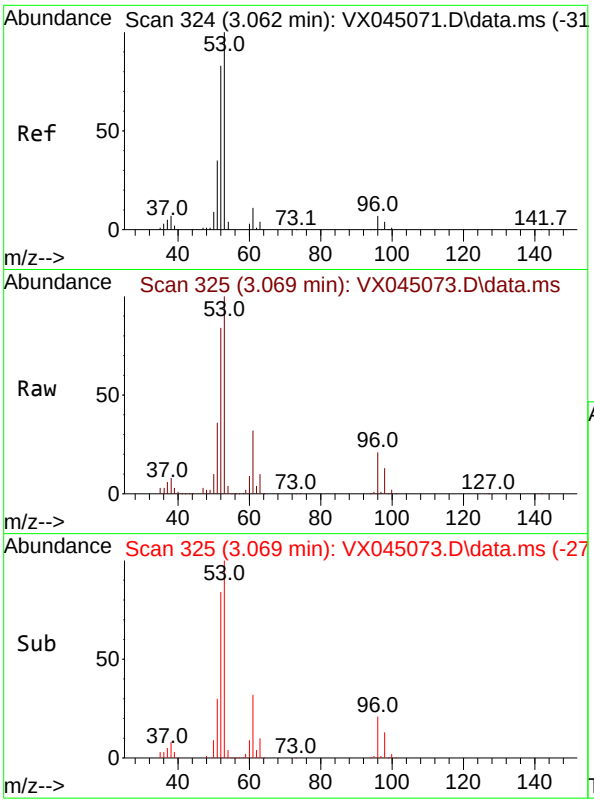


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 308018

Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.8	80.8
76	33.8	25.2	37.8



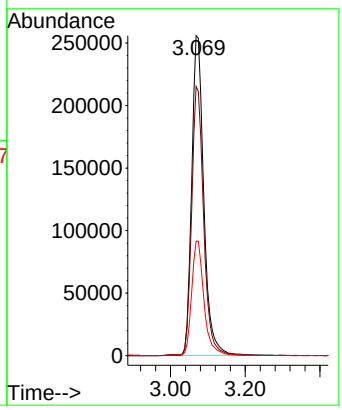


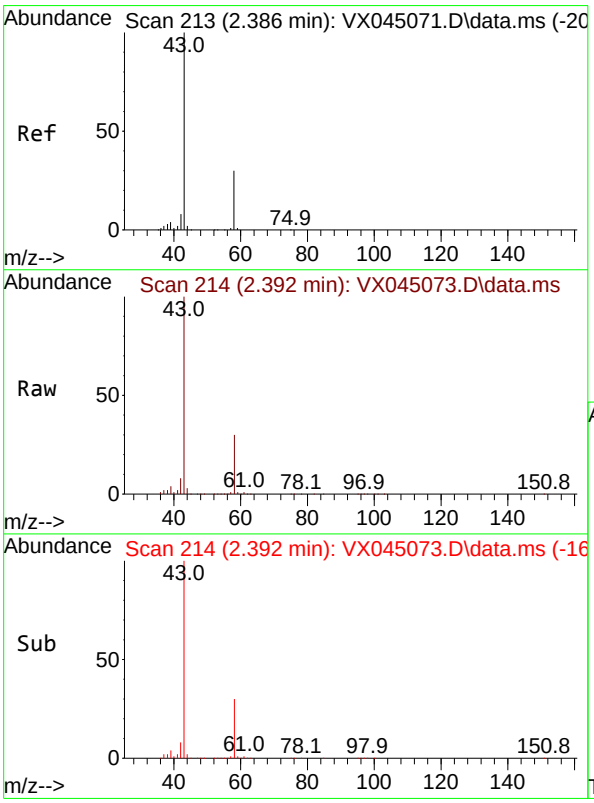
#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 573208

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	37.0	29.0	43.4

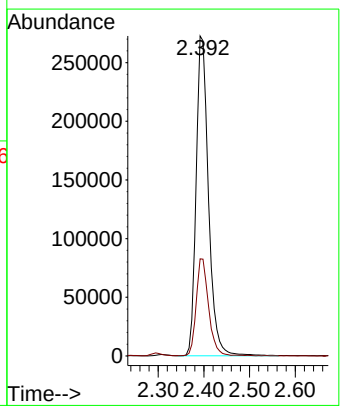


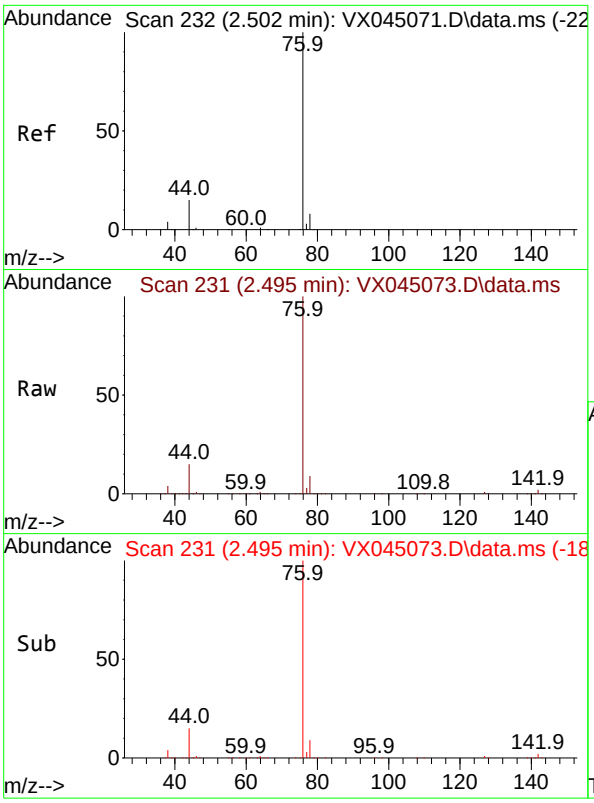


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



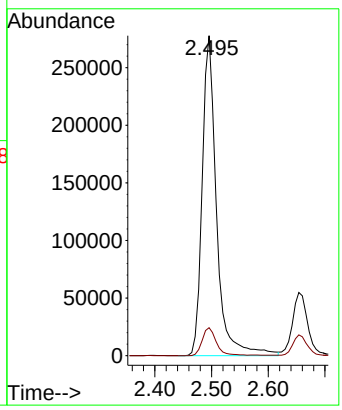


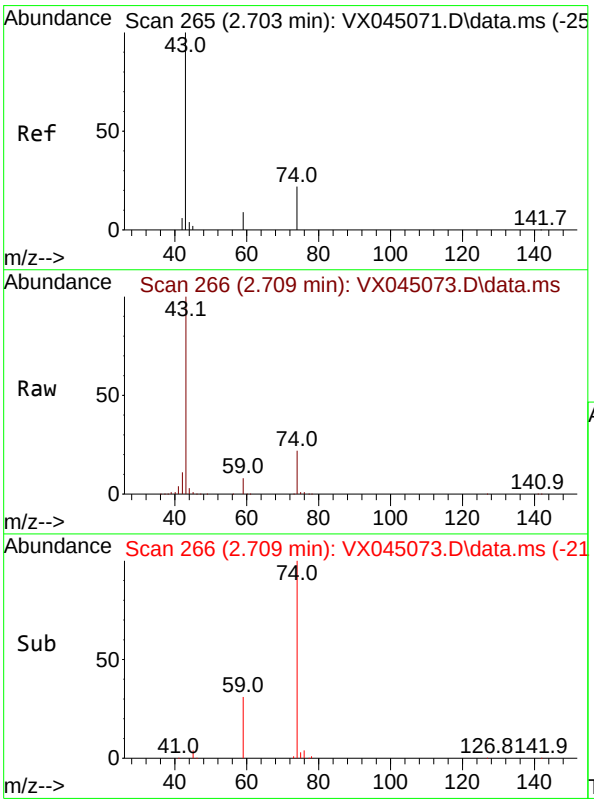
#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 487720

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8

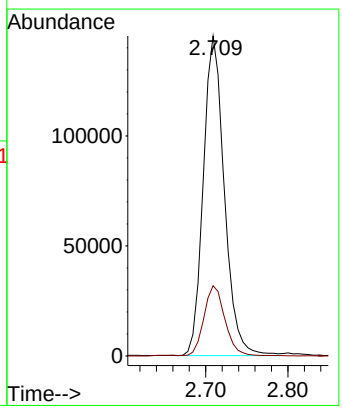


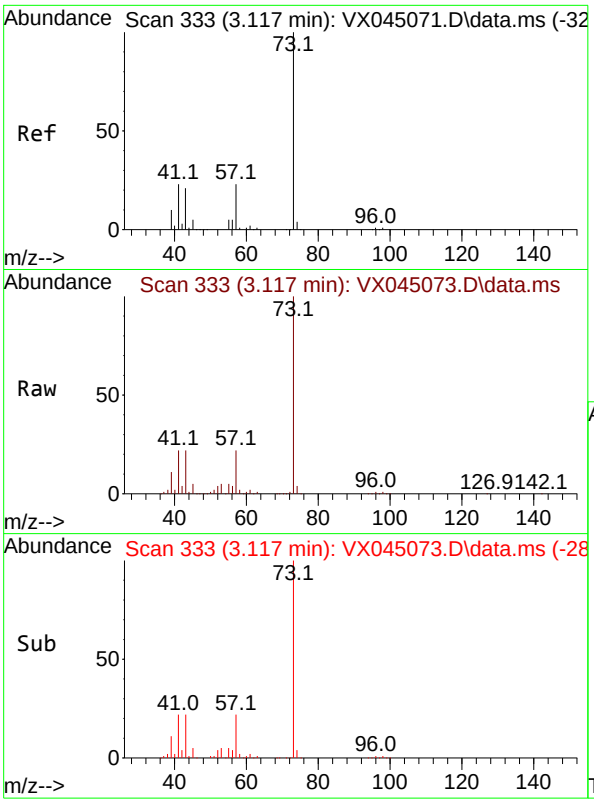


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 258303

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2



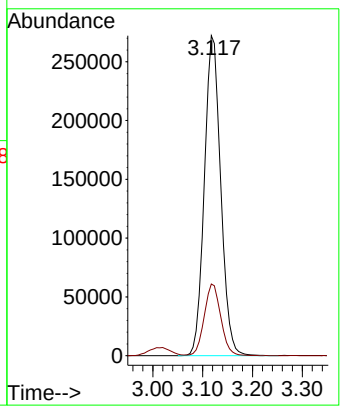


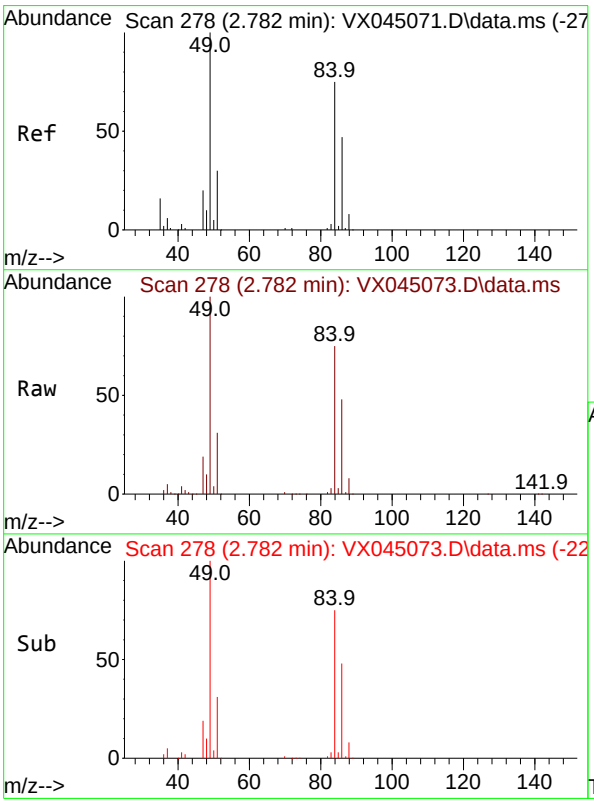
#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 619778

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7

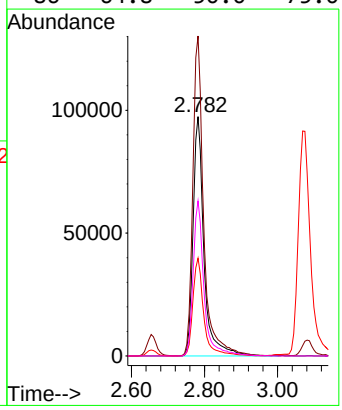


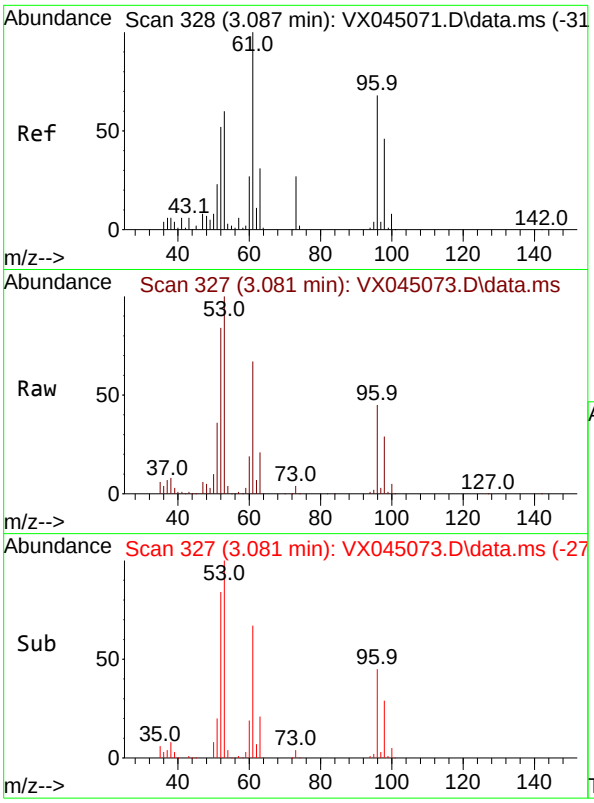


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 84 Resp: 202913

Ion	Ratio	Lower	Upper
84	100		
49	133.6	106.5	159.7
51	40.9	32.1	48.1
86	64.8	50.0	75.0



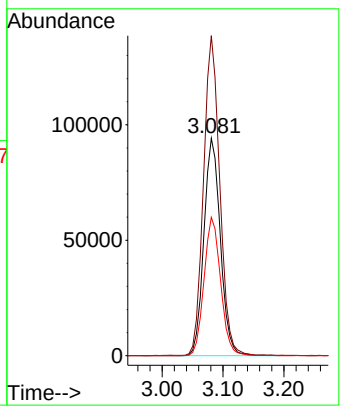


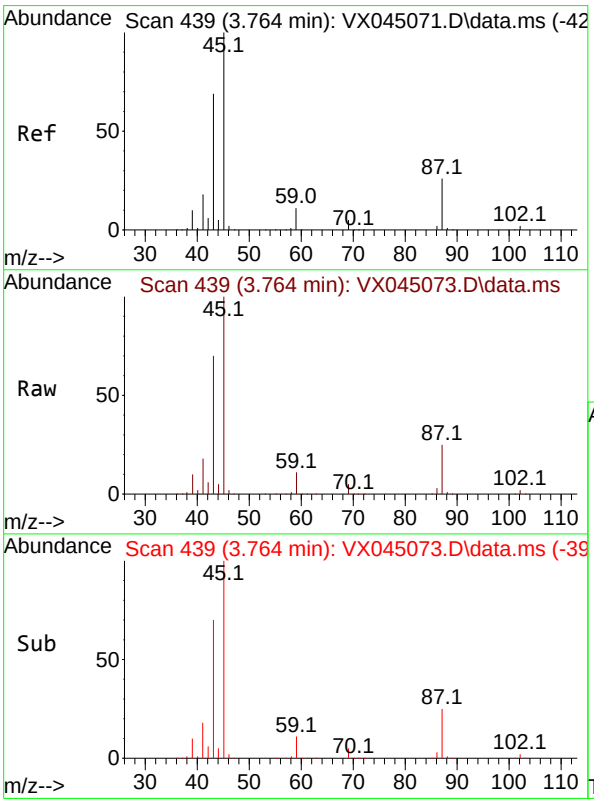
#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 176924

Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.0	175.4
98	63.6	53.4	80.2

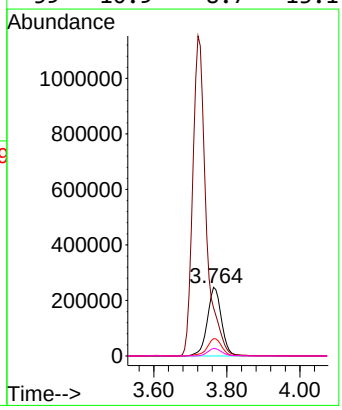


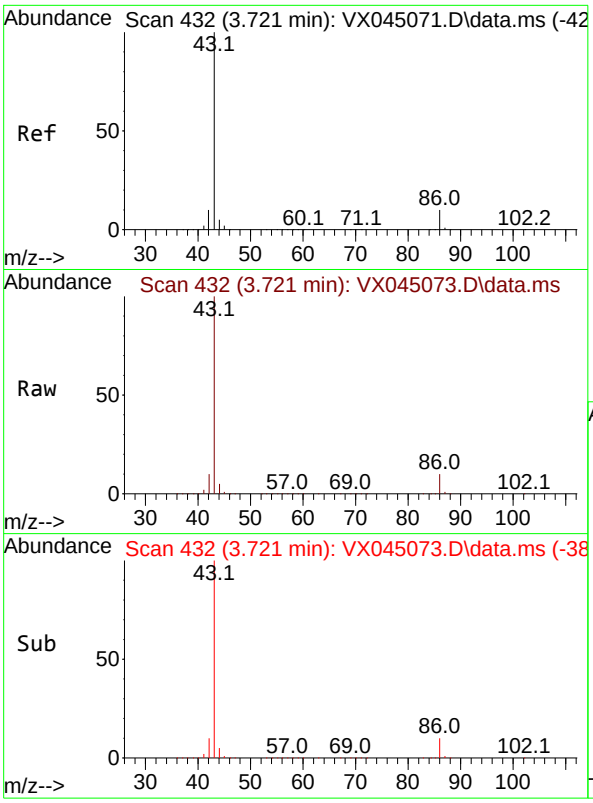


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 45 Resp: 662828

Ion	Ratio	Lower	Upper
45	100		
43	70.0	54.9	82.3
87	25.2	21.0	31.4
59	10.9	8.7	13.1



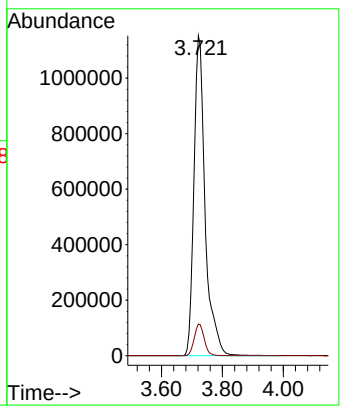


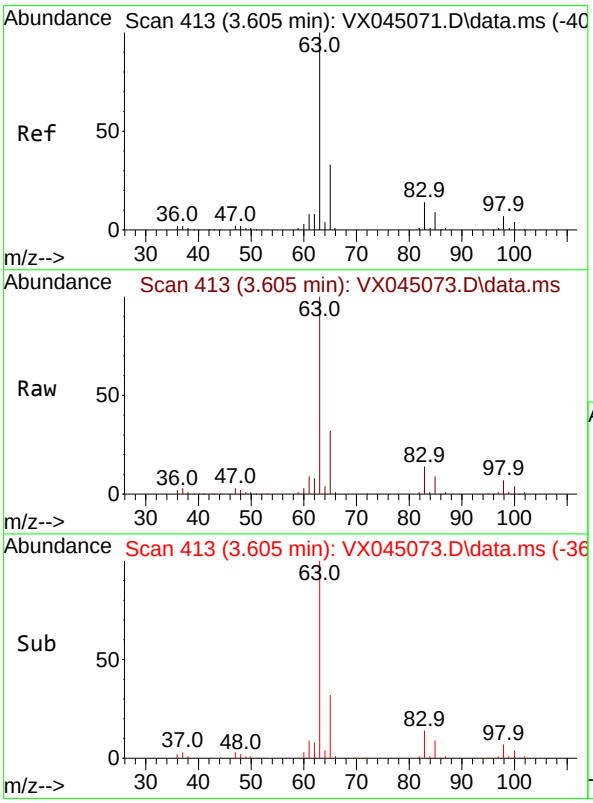
#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2943150

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

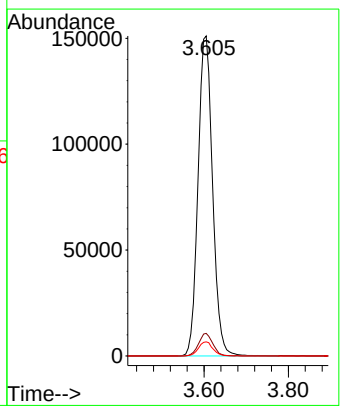


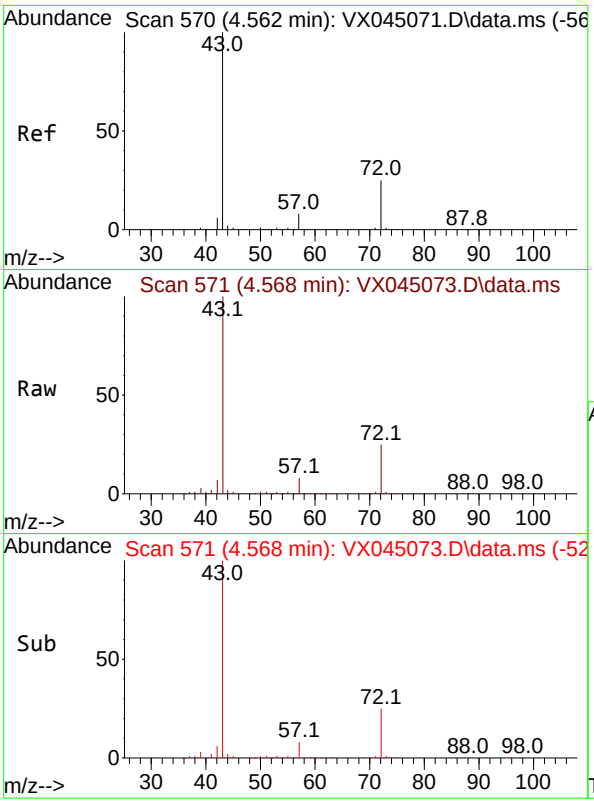


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 363081

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	4.4	2.1	6.5



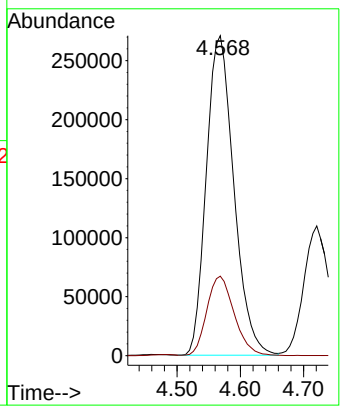


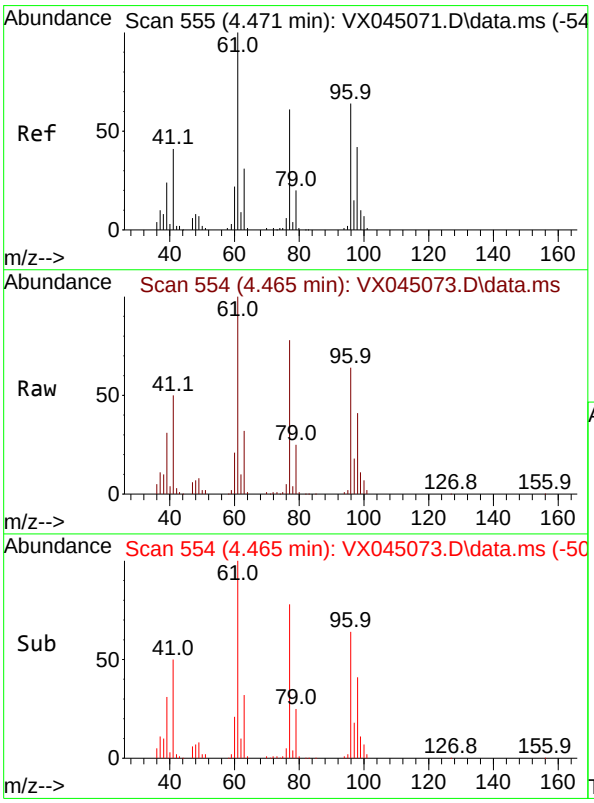
#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 818497

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0

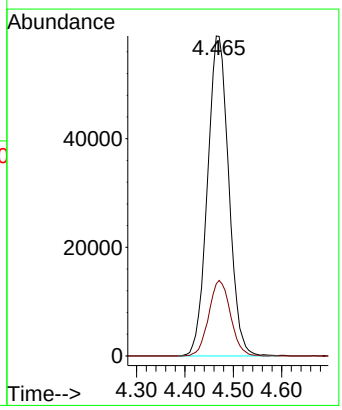


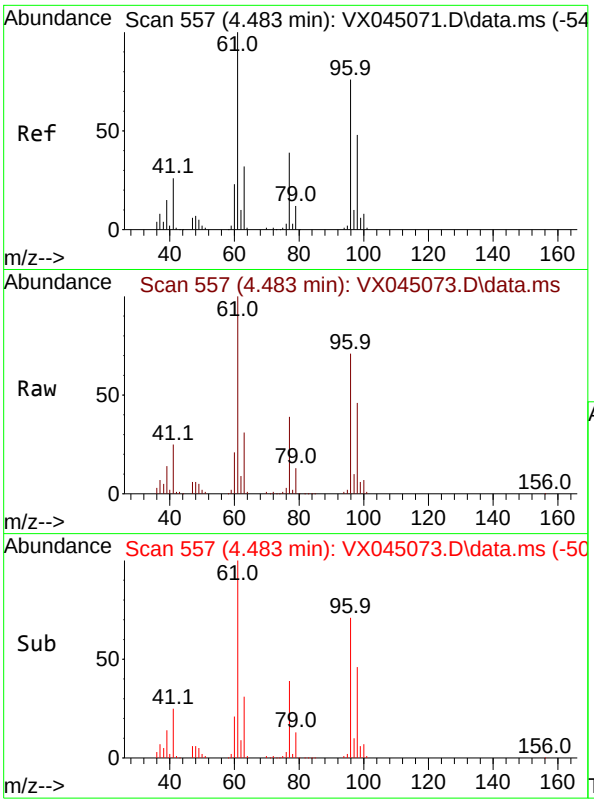


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0



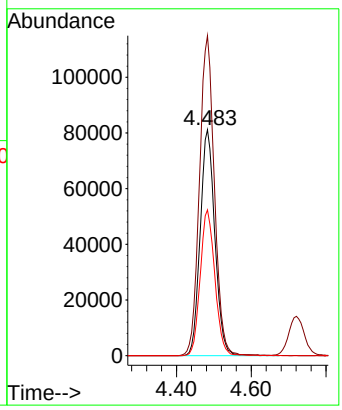


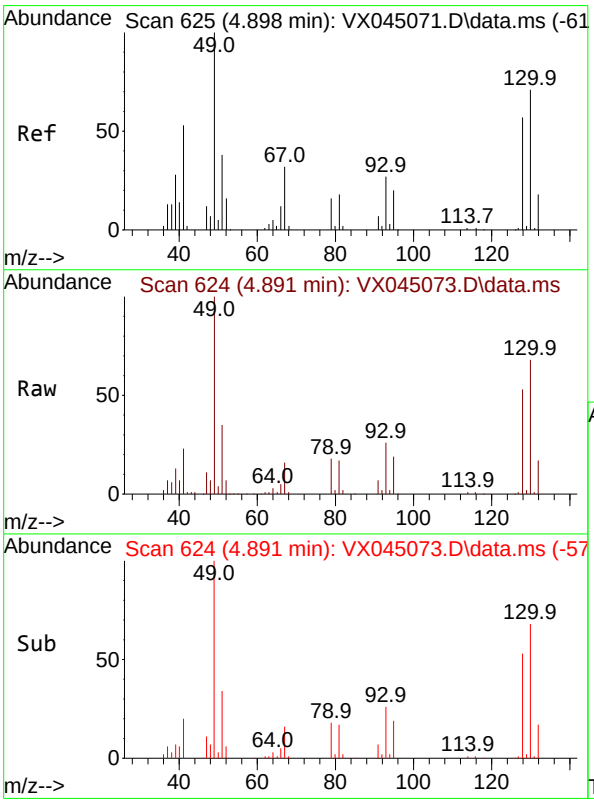
#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 220826

Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	283.2
98	64.3	0.0	128.0

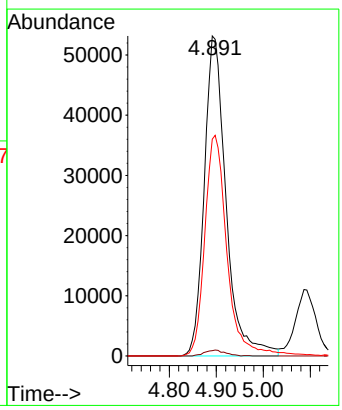


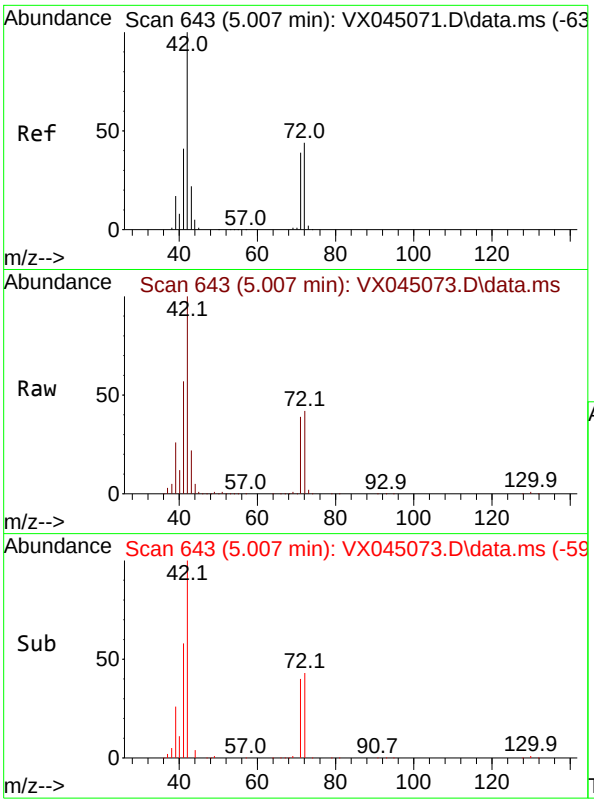


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 49 Resp: 171273

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.3	56.1	84.1



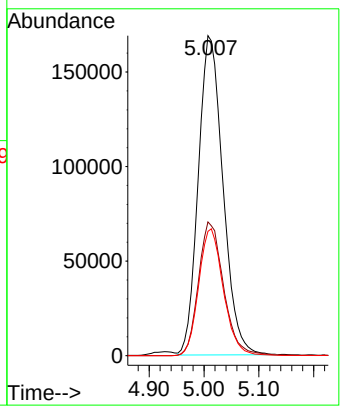


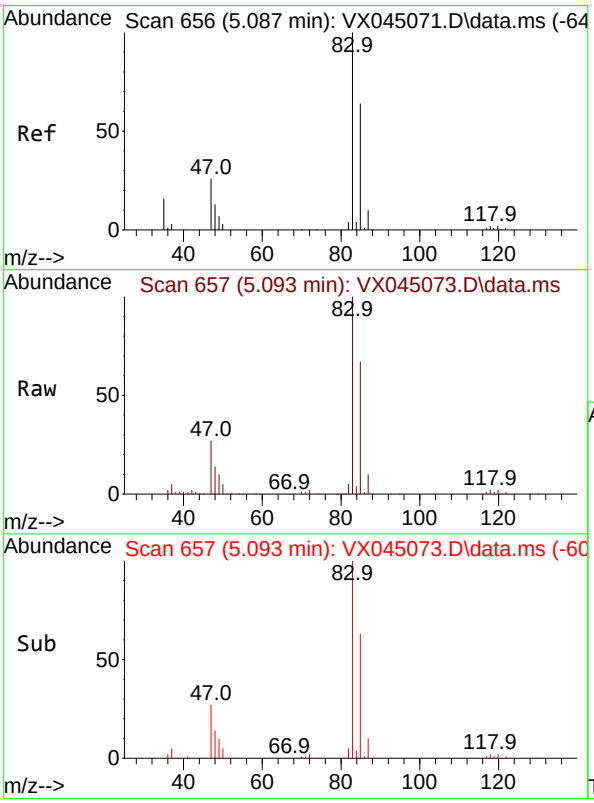
#29
Tetrahydrofuran
Concen: 850.174 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 528574

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.7	31.4	47.0

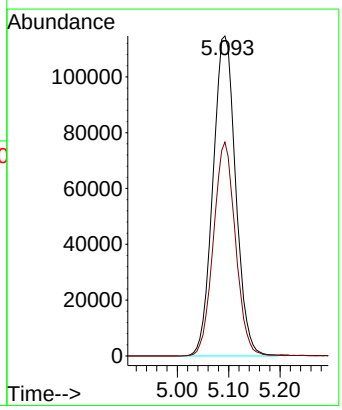


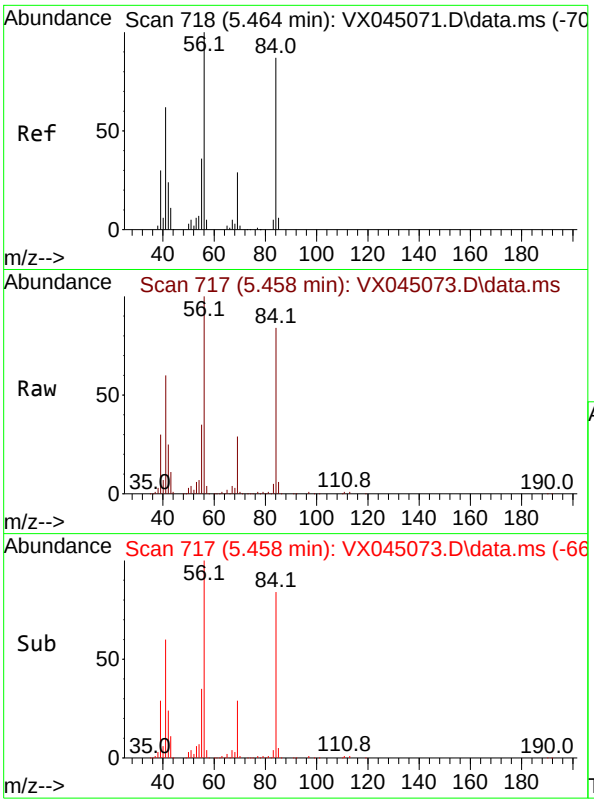


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 351934

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



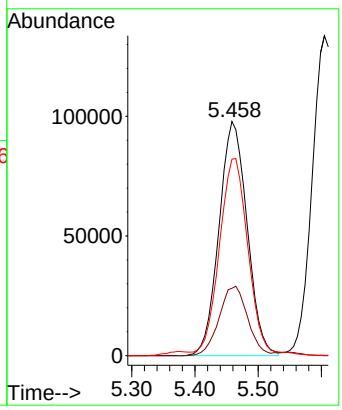


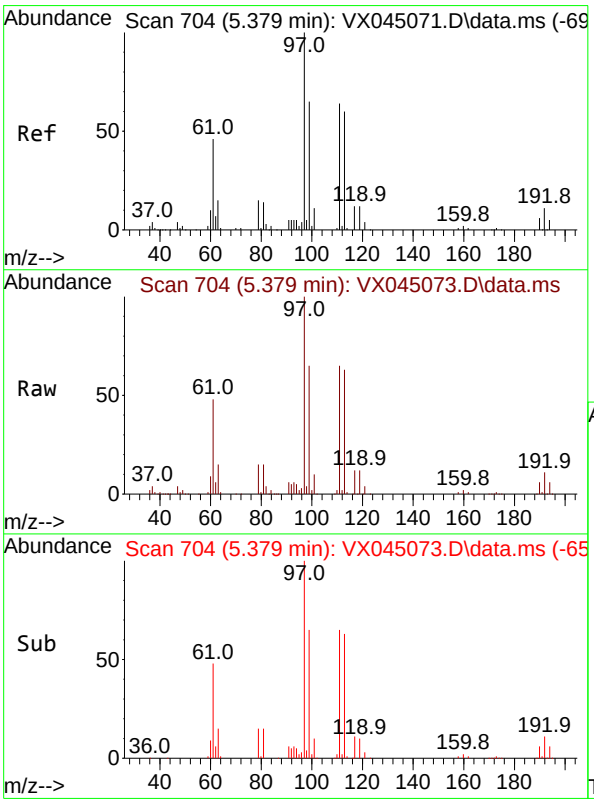
#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 302215

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.2	69.4	104.2

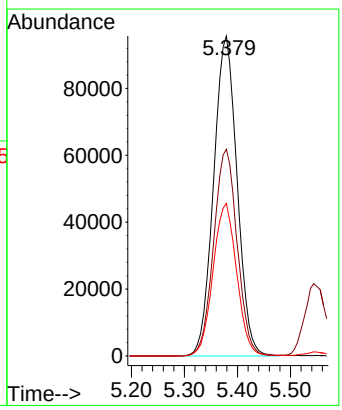


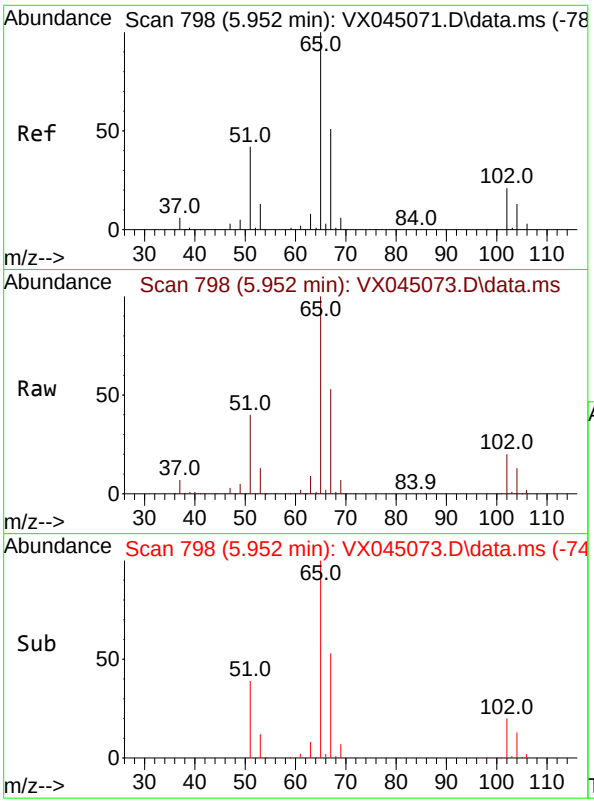


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 294434

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	48.1	38.4	57.6



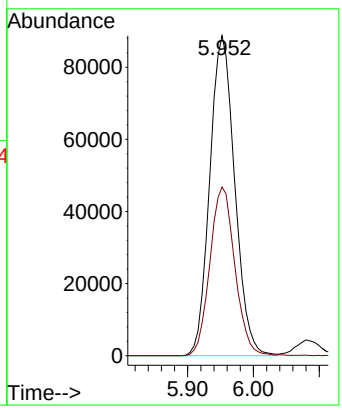


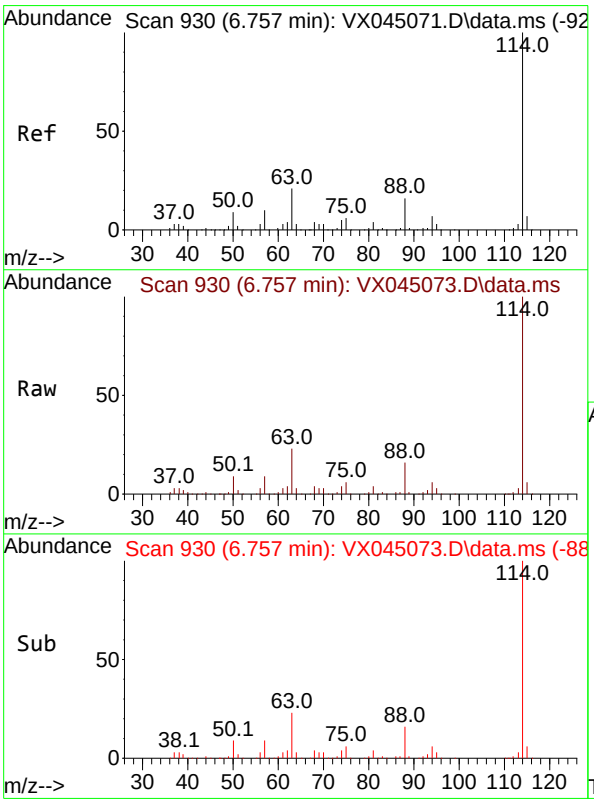
#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 234624

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2

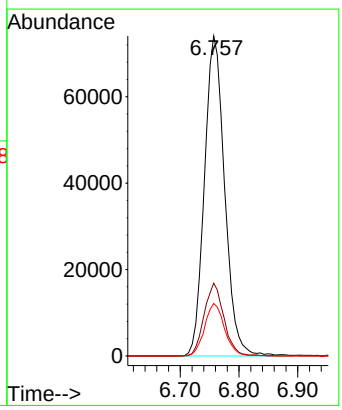


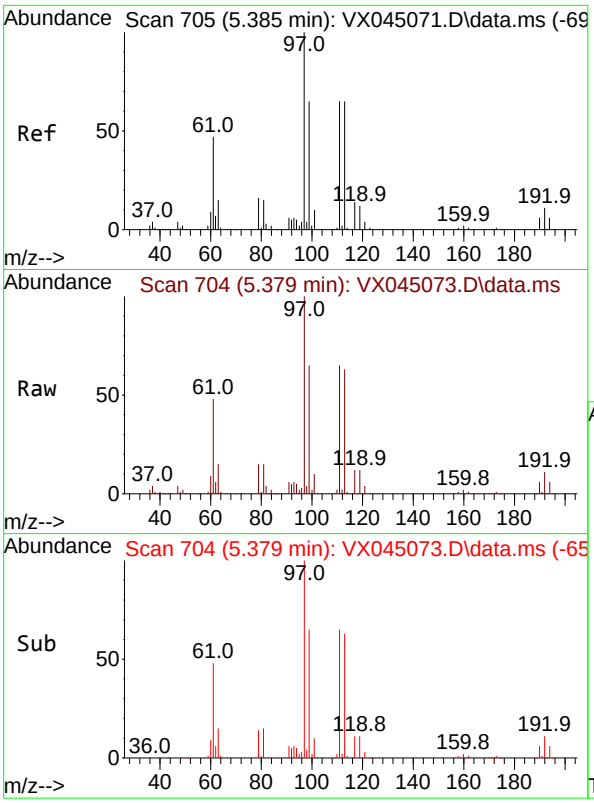


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:114 Resp: 176991

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	16.4	0.0	32.8



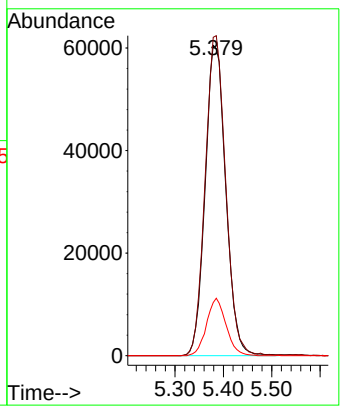


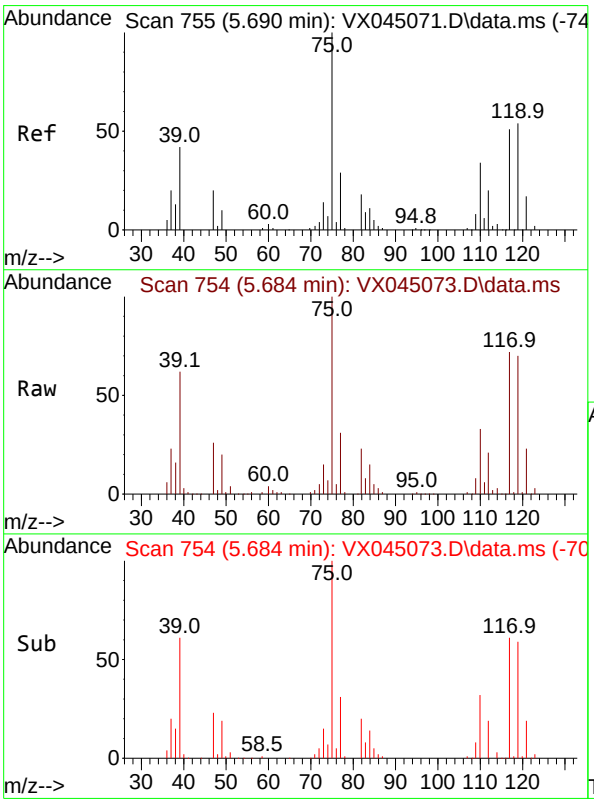
#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 179722

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.5	14.3	21.5

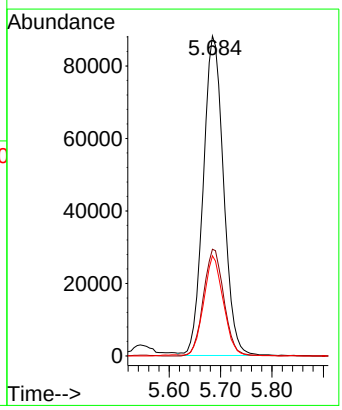


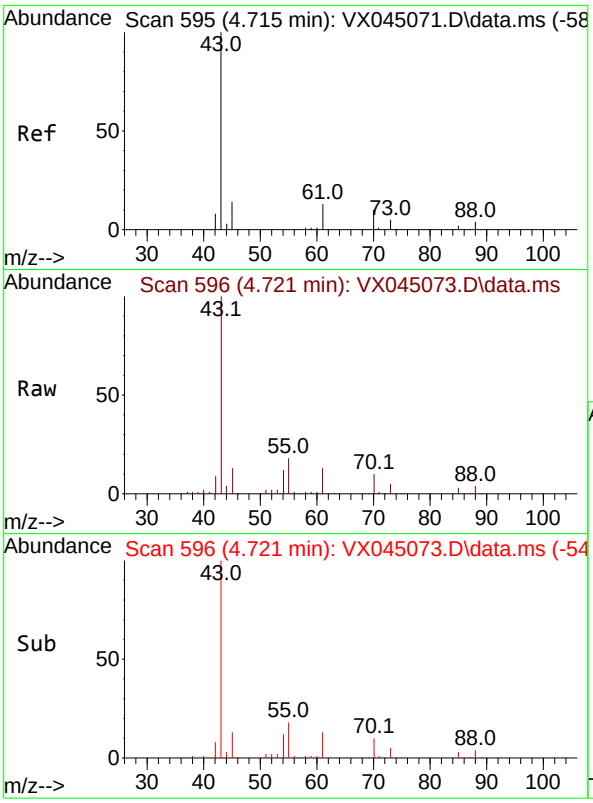


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 241405

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.5	24.5	36.7



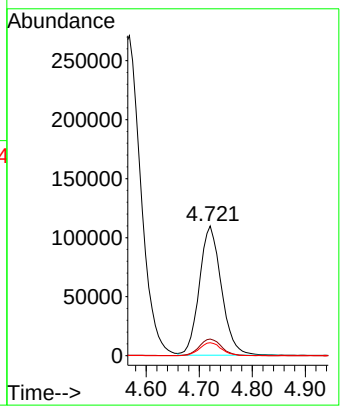


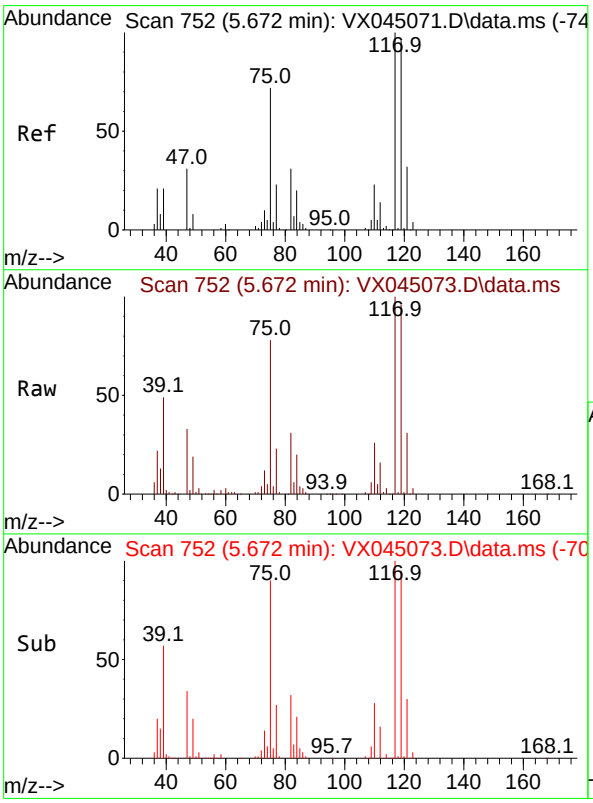
#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 316250

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.1	7.7	11.5

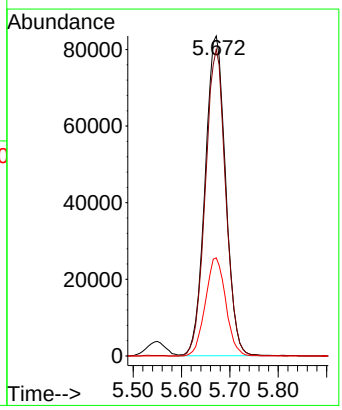


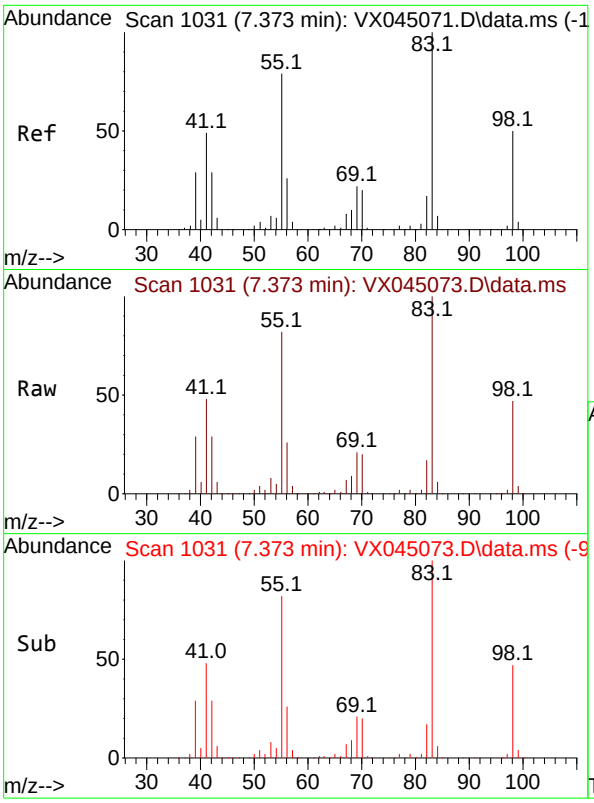


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 245917

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	30.7	25.5	38.3



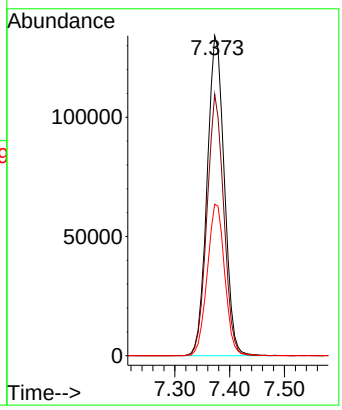


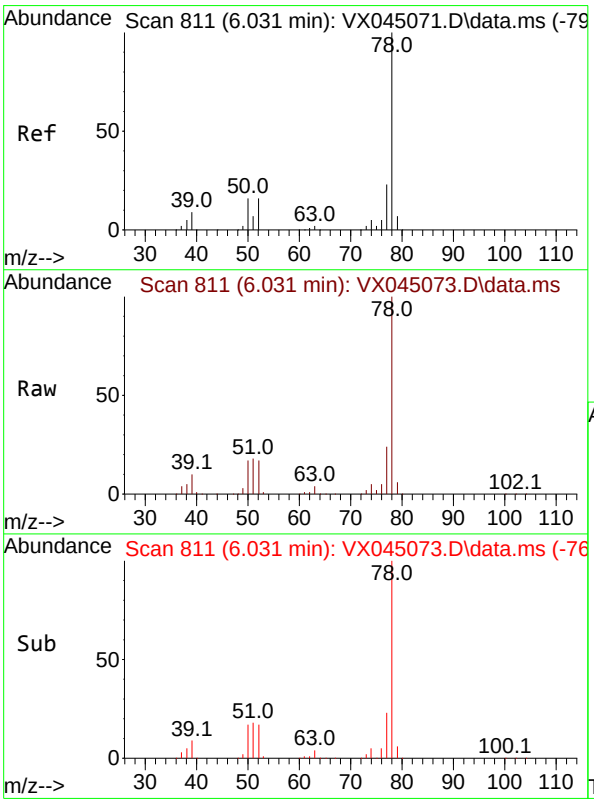
#39
Methylcyclohexane
Concen: 137.544 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 292216

Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.4	39.7	59.5

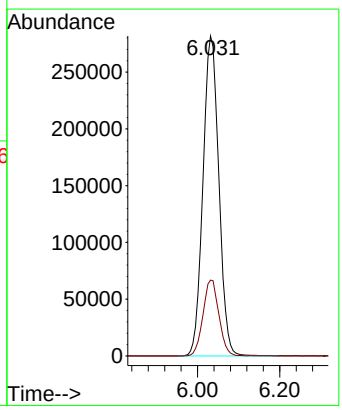


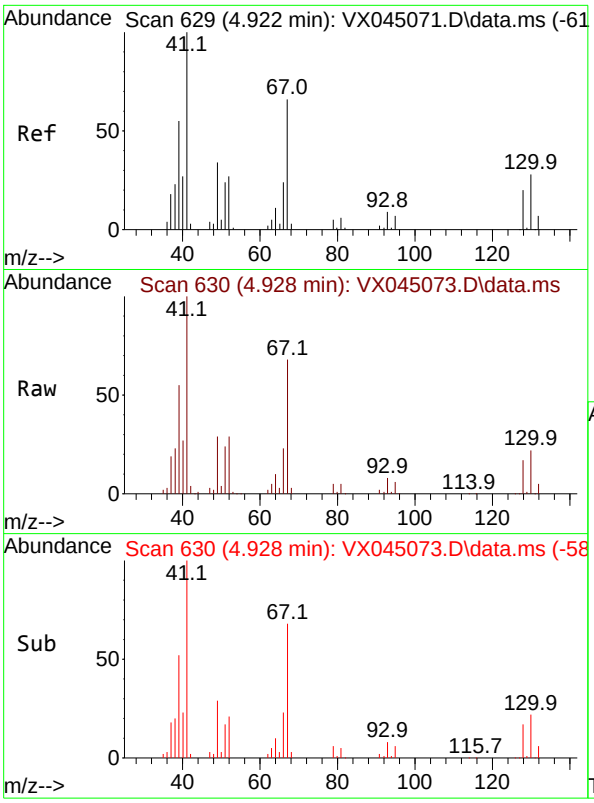


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



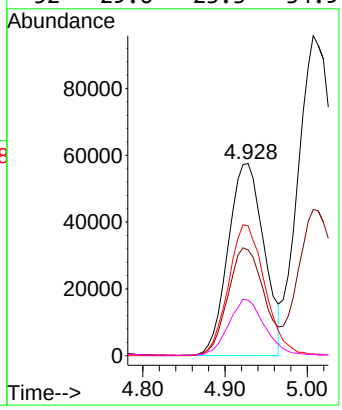


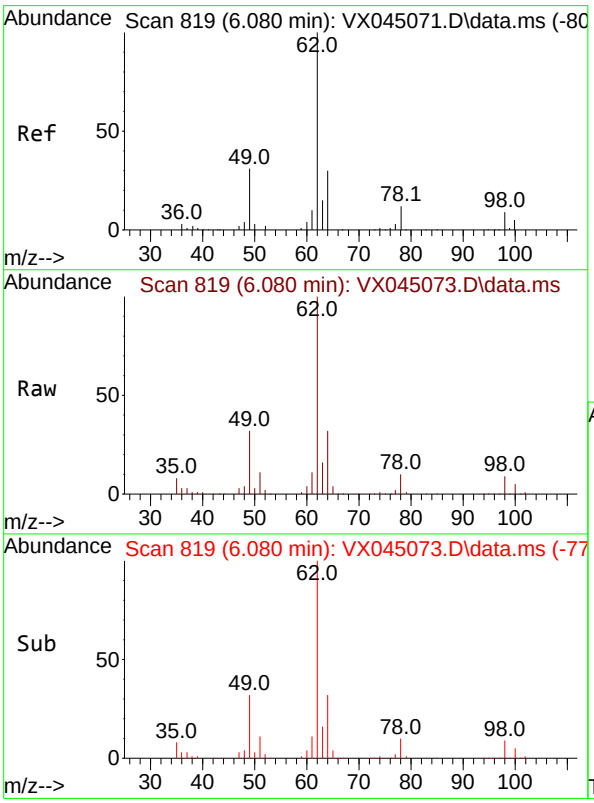
#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 175023

Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	69.5	53.9	80.9
52	29.6	23.3	34.9

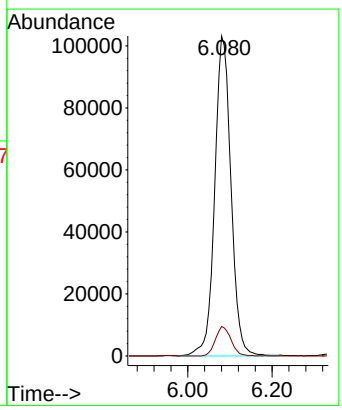


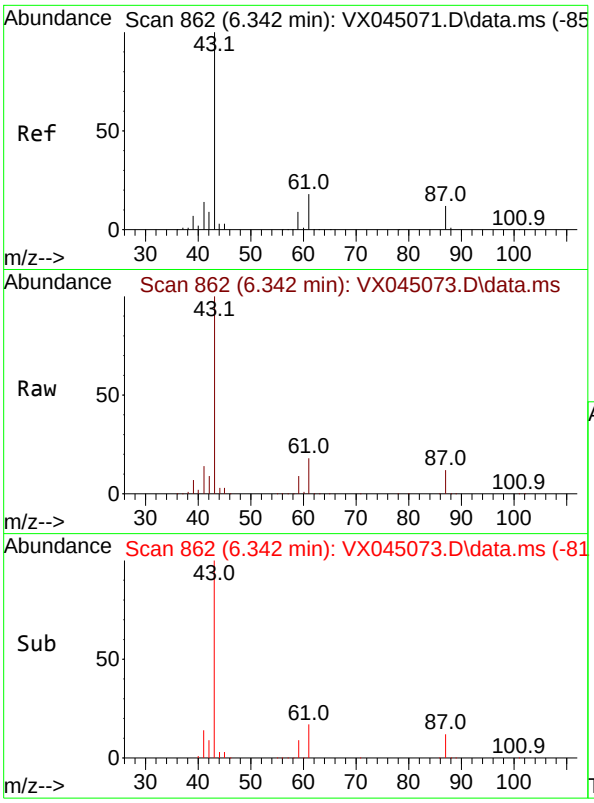


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



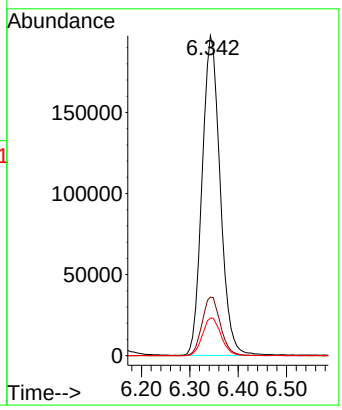


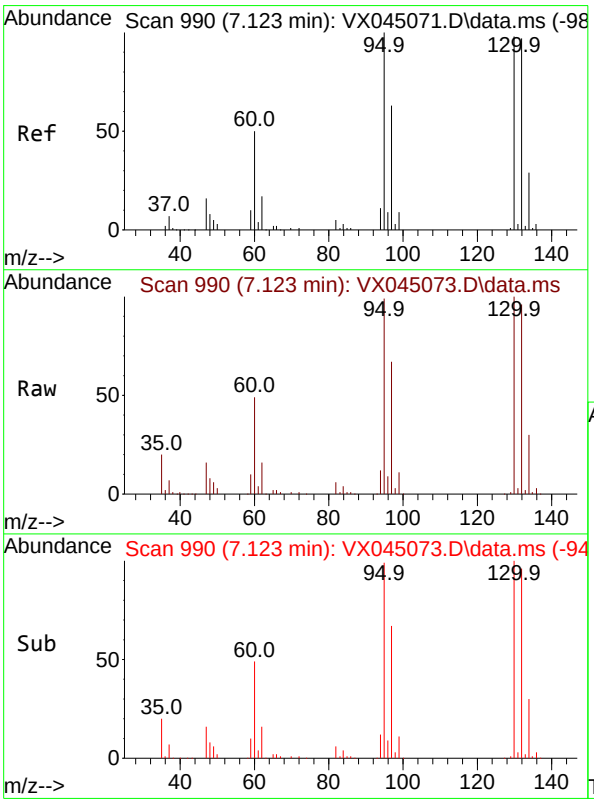
#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 511643

Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.1	9.4	14.2

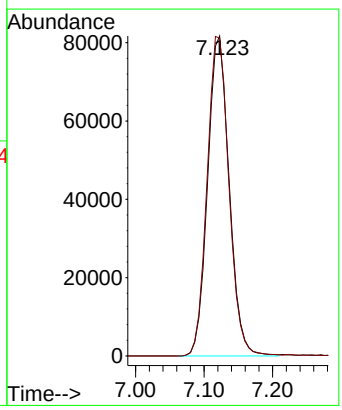


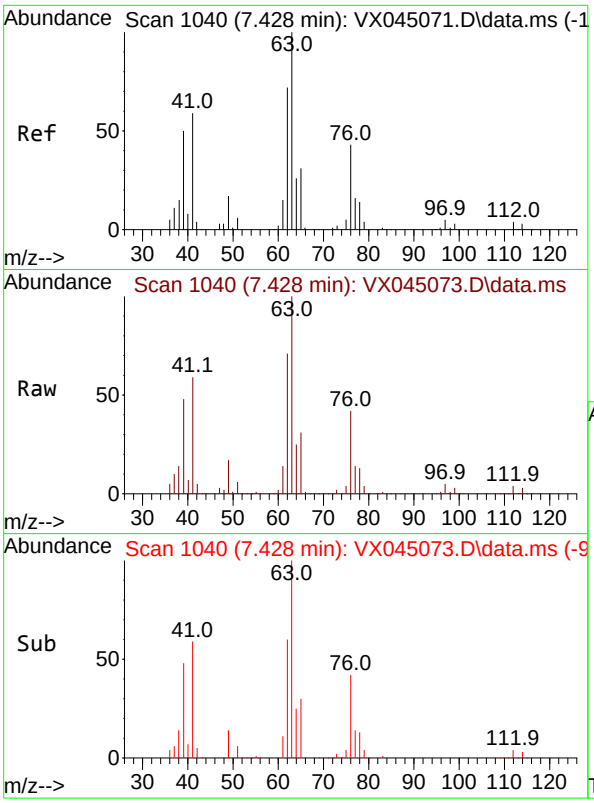


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:130 Resp: 178483

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0



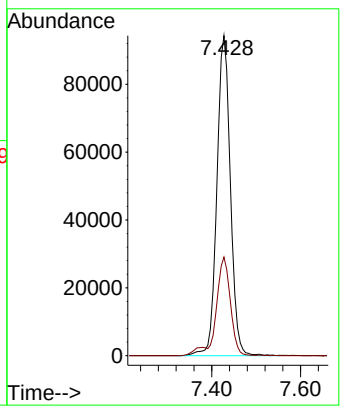


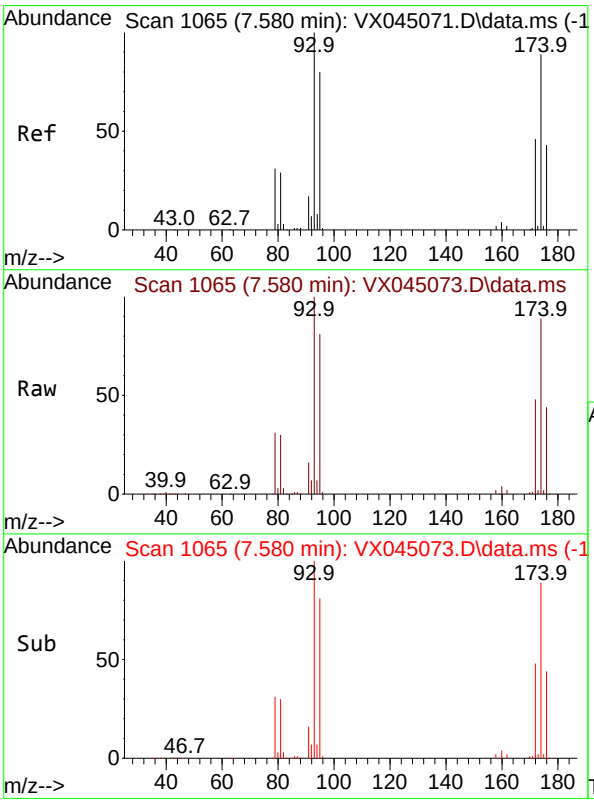
#45
1,2-Dichloropropane
Concen: 153.334 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 198135

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1

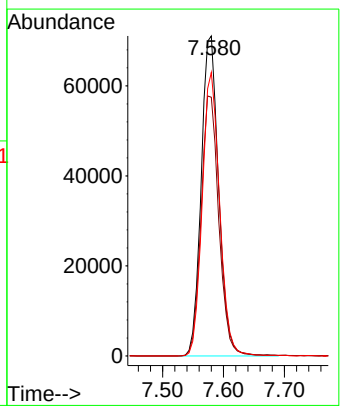


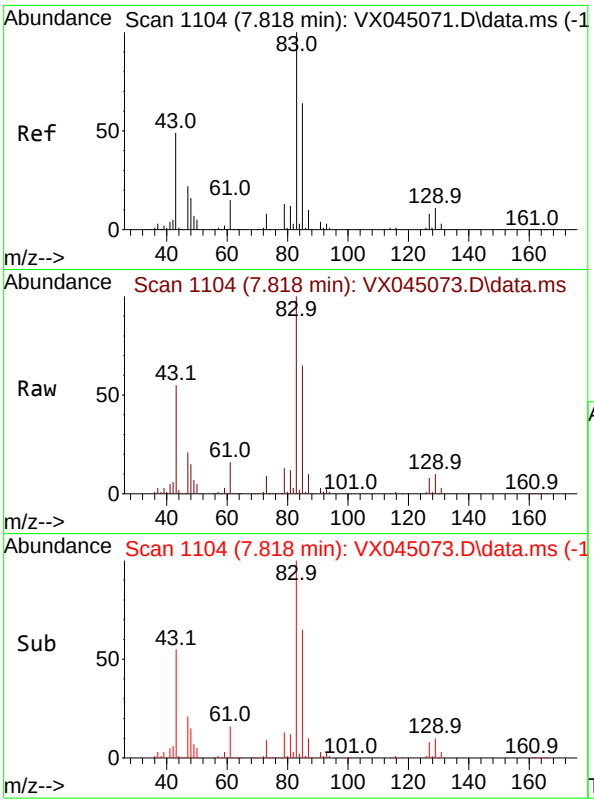


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 93 Resp: 142119

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.8
174	88.2	72.2	108.2



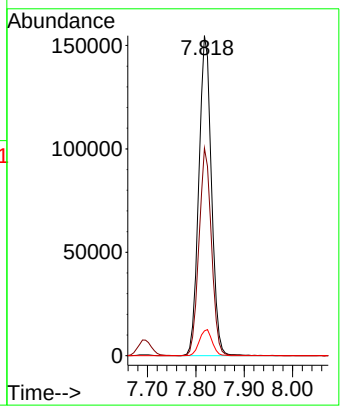


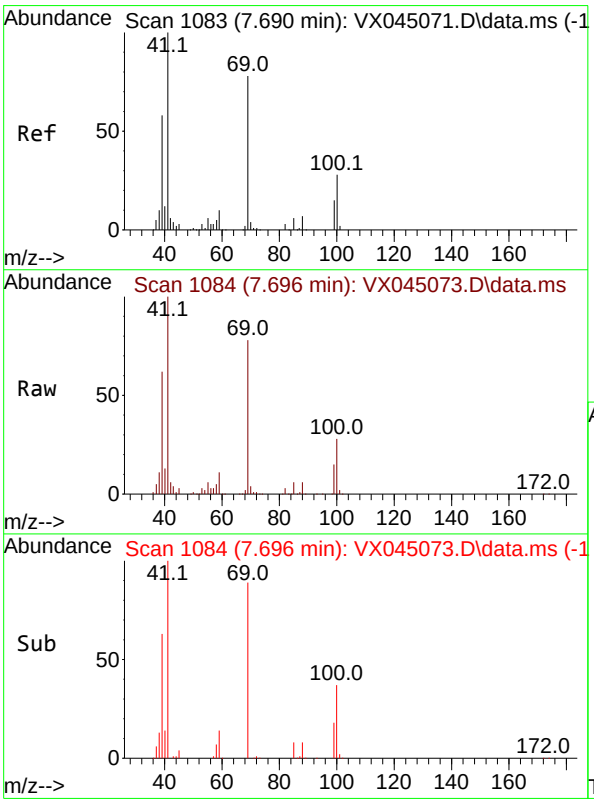
#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 280255

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	7.8	6.4	9.6

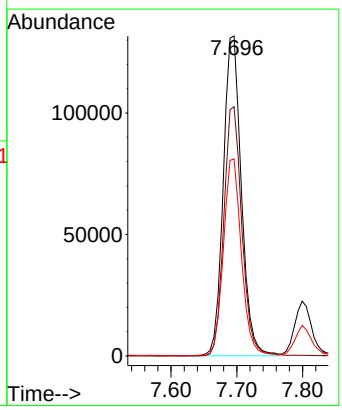


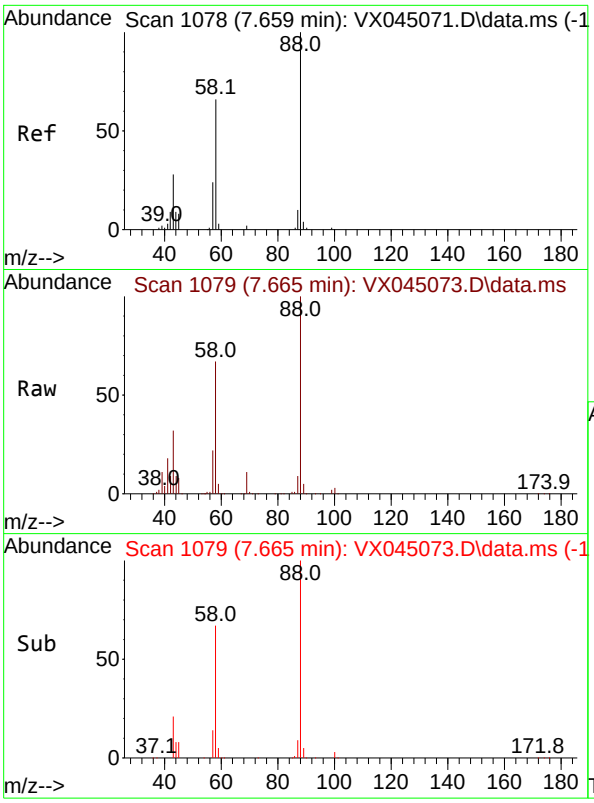


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 252275

Ion	Ratio	Lower	Upper
41	100		
69	78.1	63.0	94.6
39	61.1	47.5	71.3



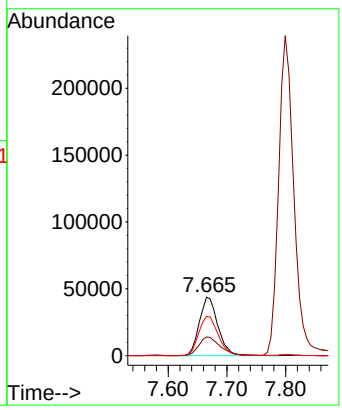


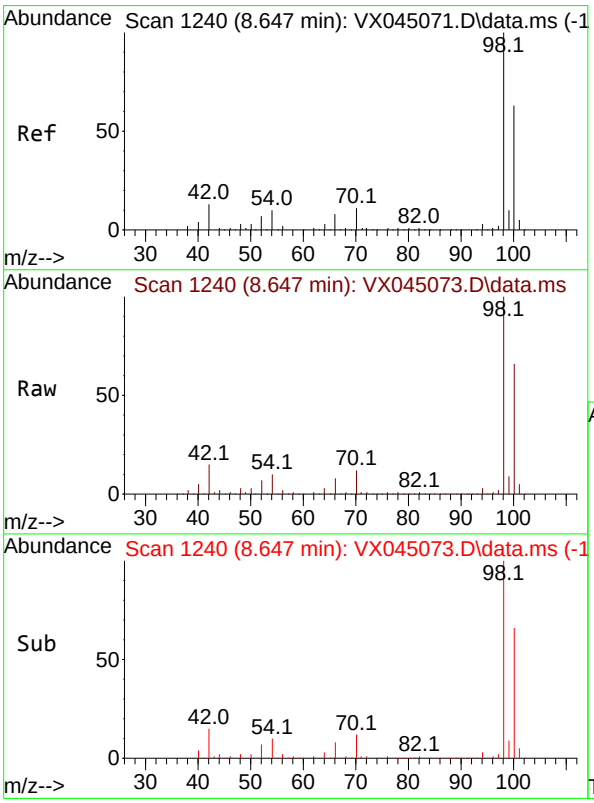
#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 96268

Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.7	43.1
58	70.8	55.8	83.8

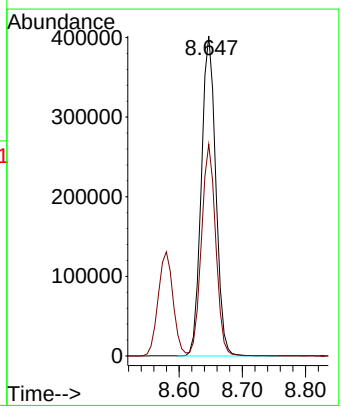


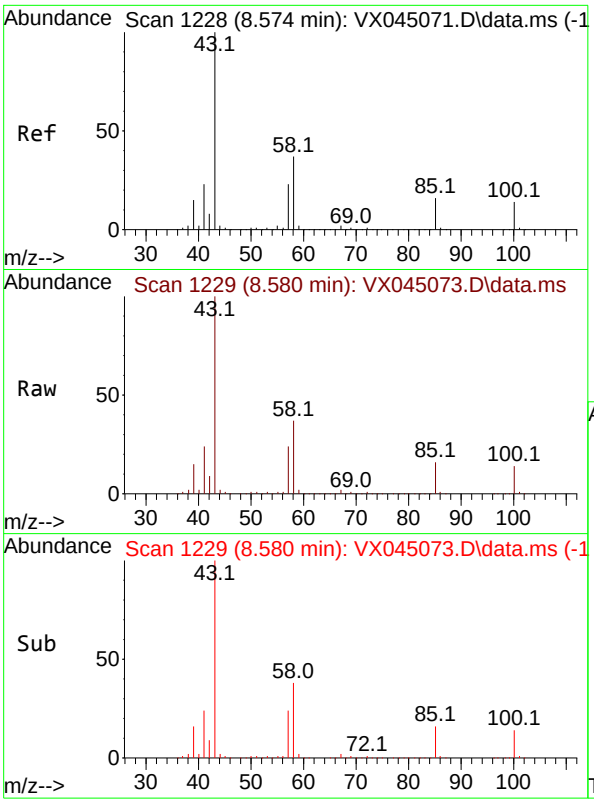


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 98 Resp: 638979

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



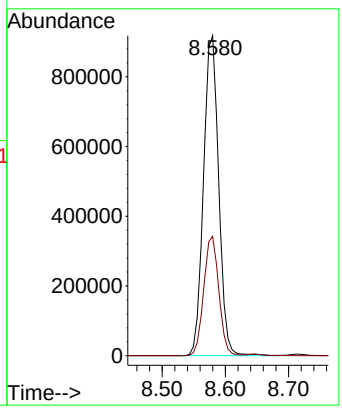


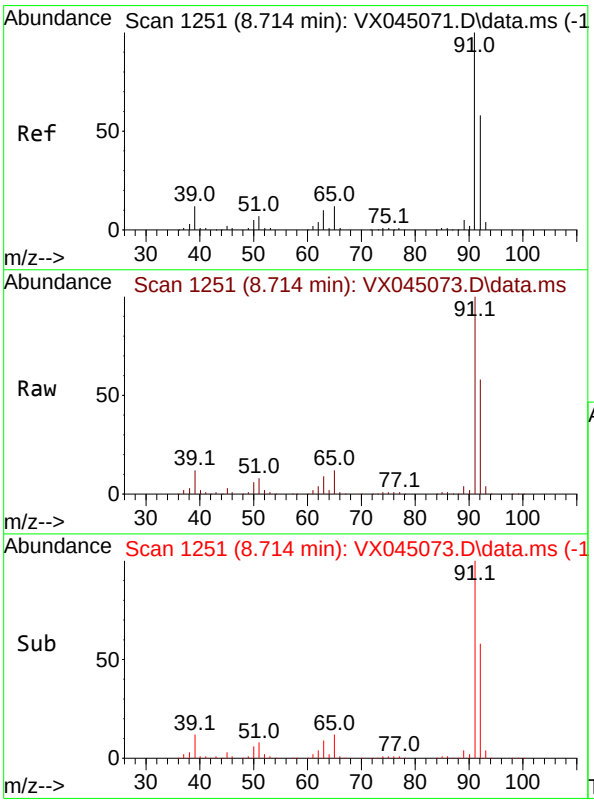
#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1536157

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8

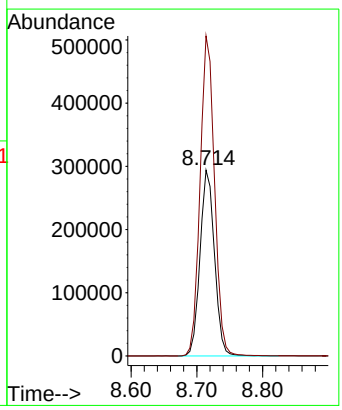


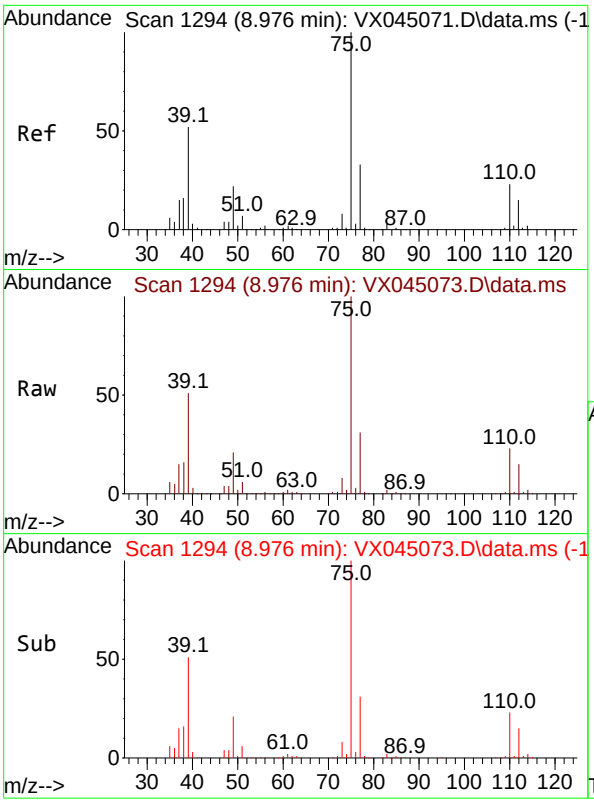


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3



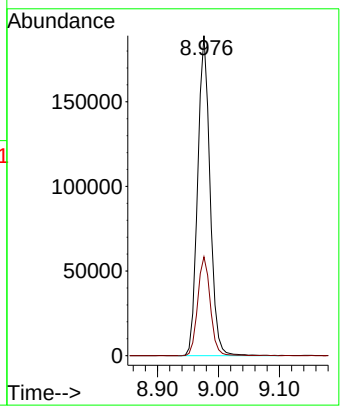


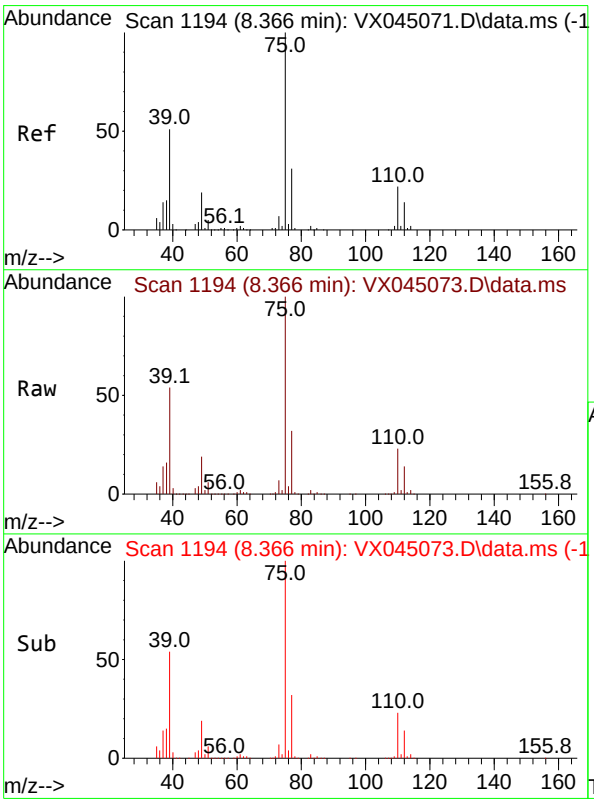
#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 266444

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7

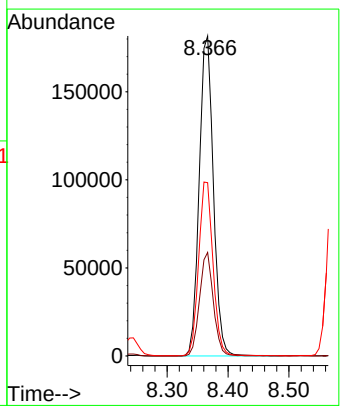


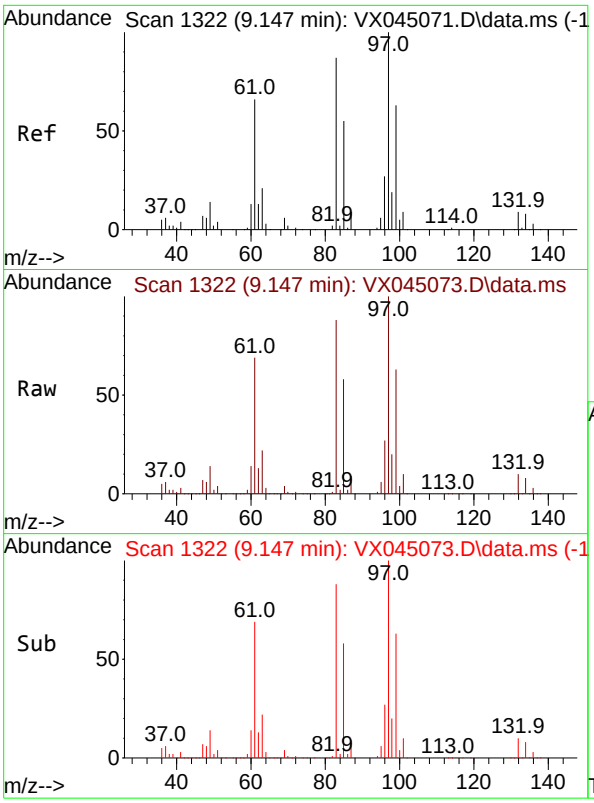


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 293521

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	54.0	40.7	61.1



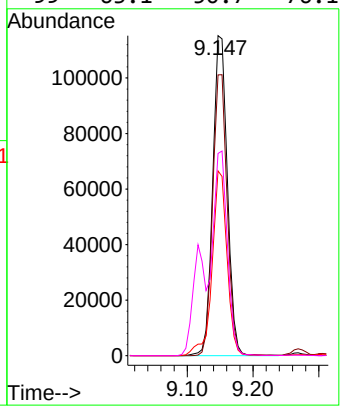


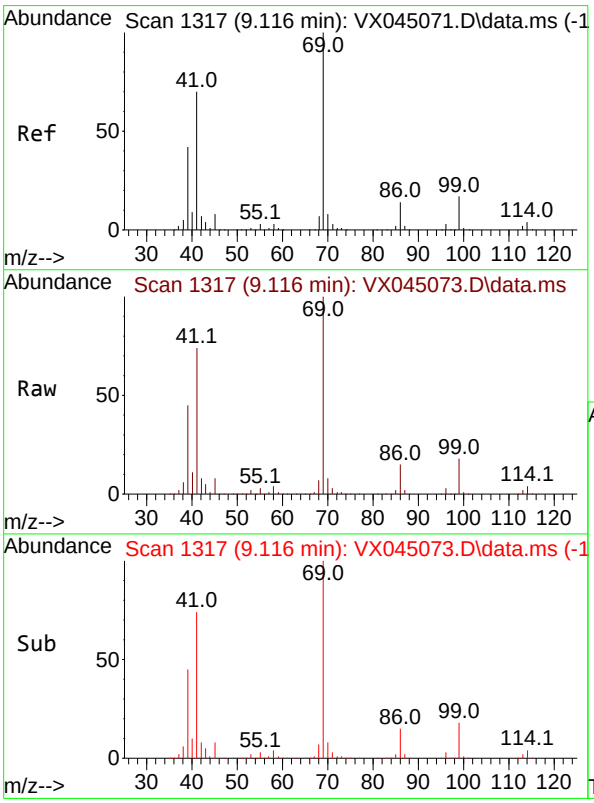
#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 178217

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	57.8	44.1	66.1
99	63.1	50.7	76.1

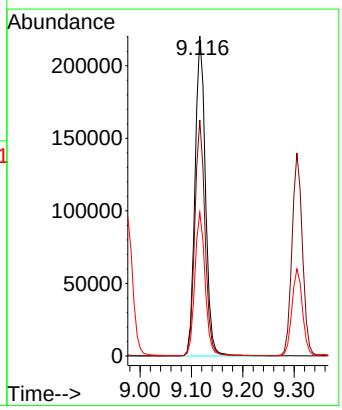


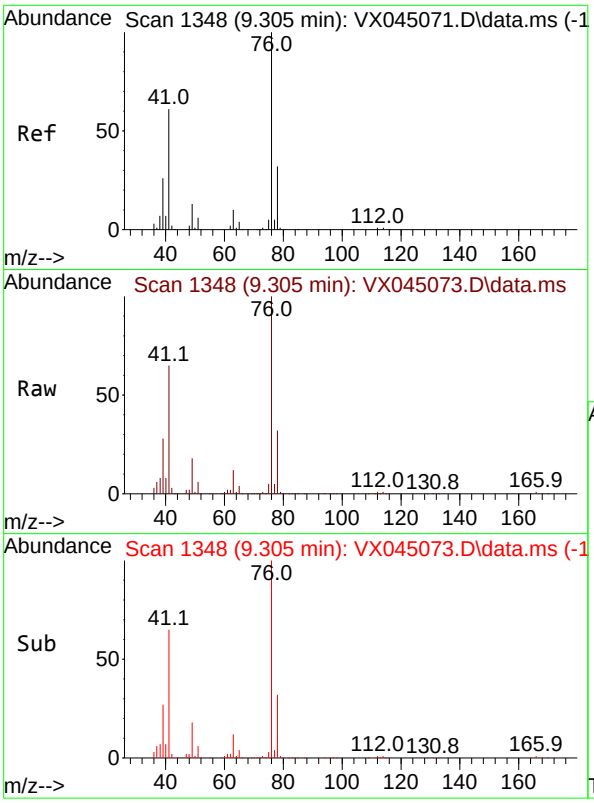


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 69 Resp: 310992

Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.0	85.4
39	44.2	34.2	51.4



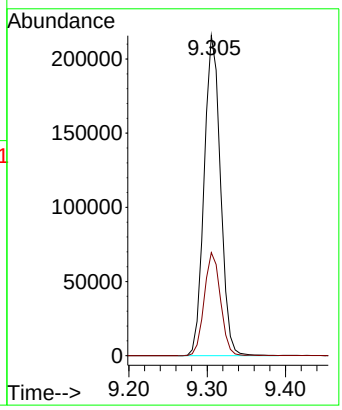


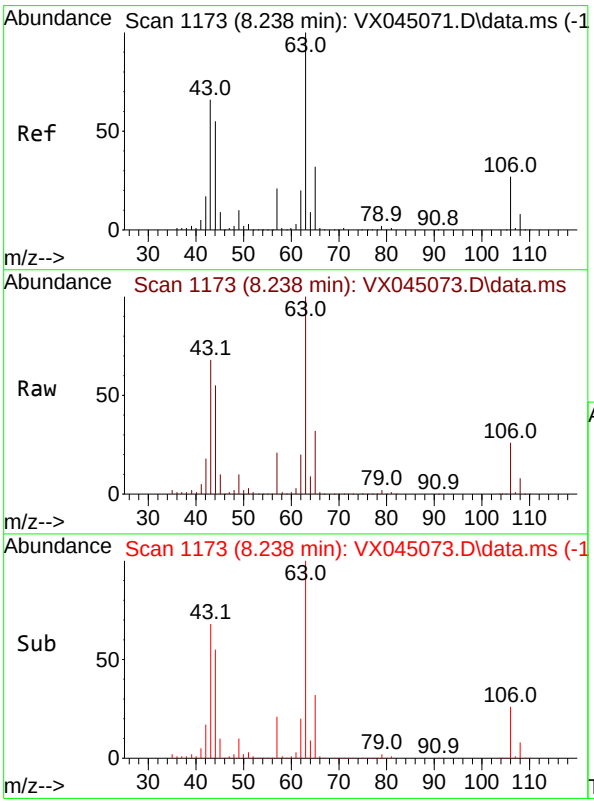
#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 312196

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

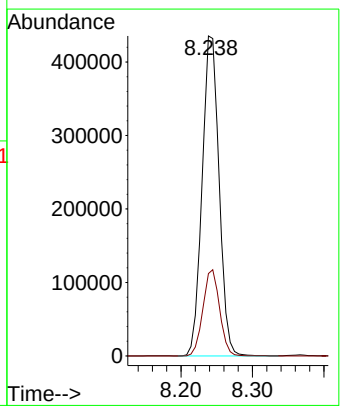


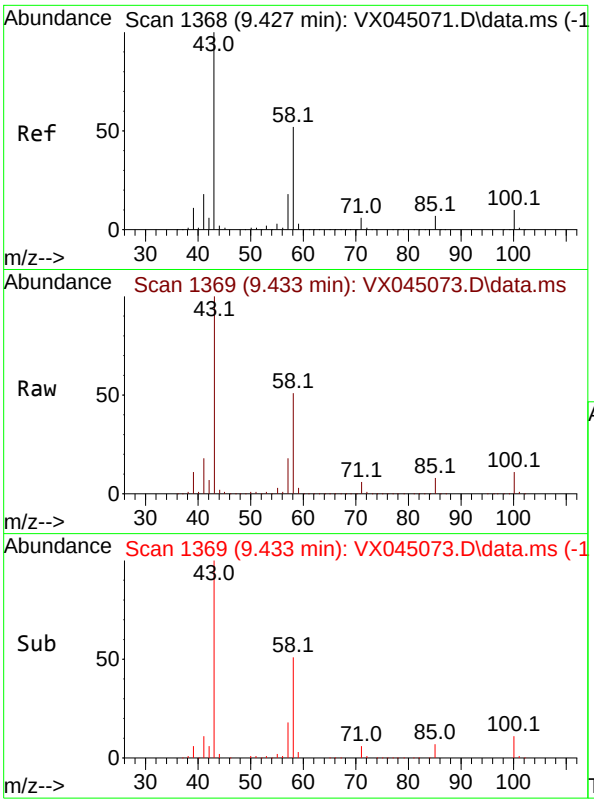


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 717328

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



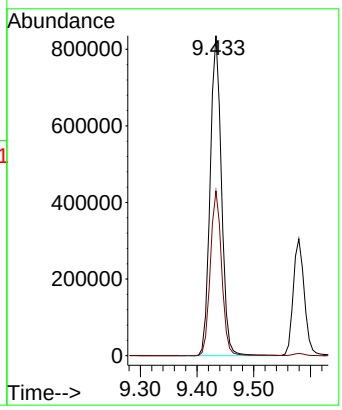


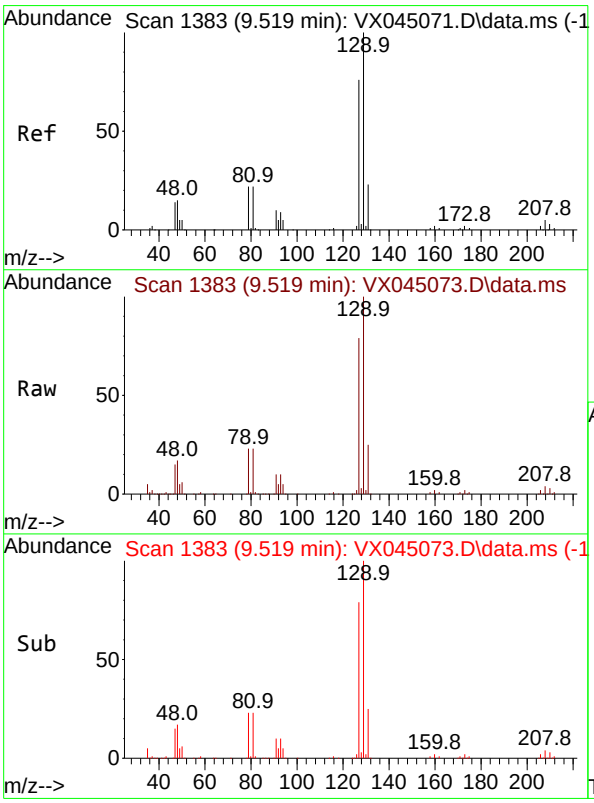
#59
2-Hexanone
Concen: 868.492 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1156653

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

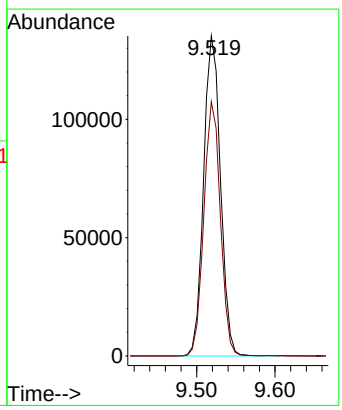


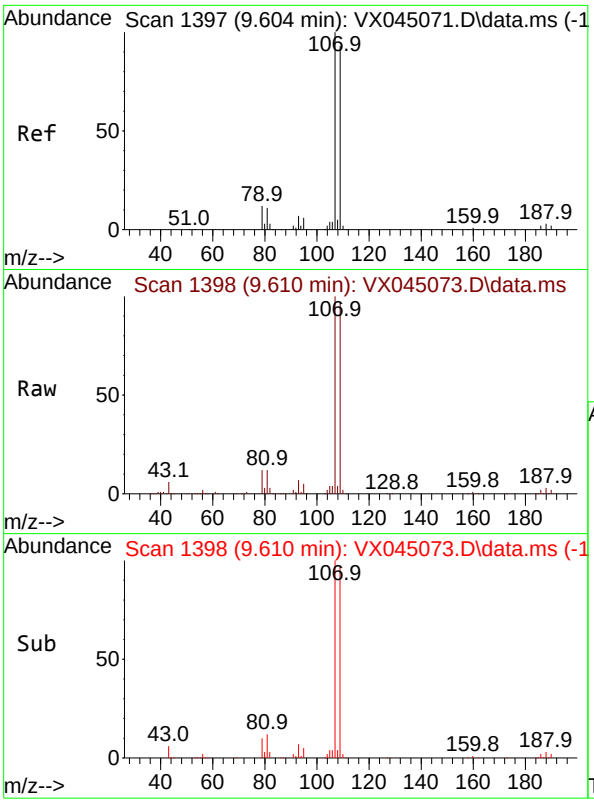


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:129 Resp: 201906

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5



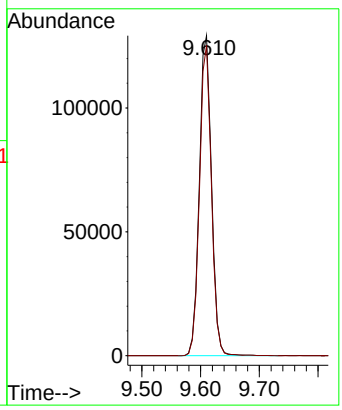


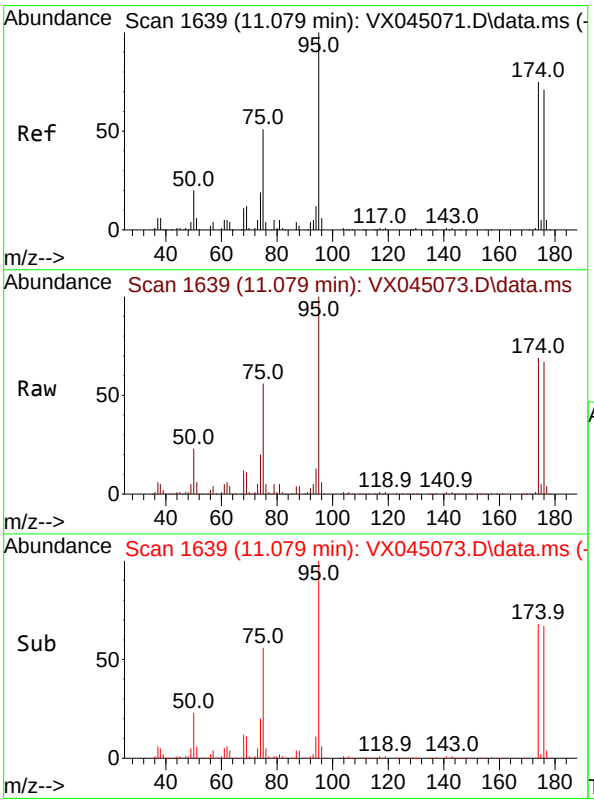
#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 185828

Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1

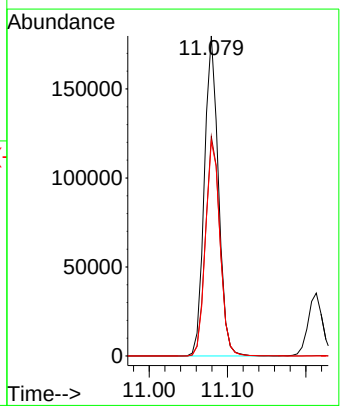


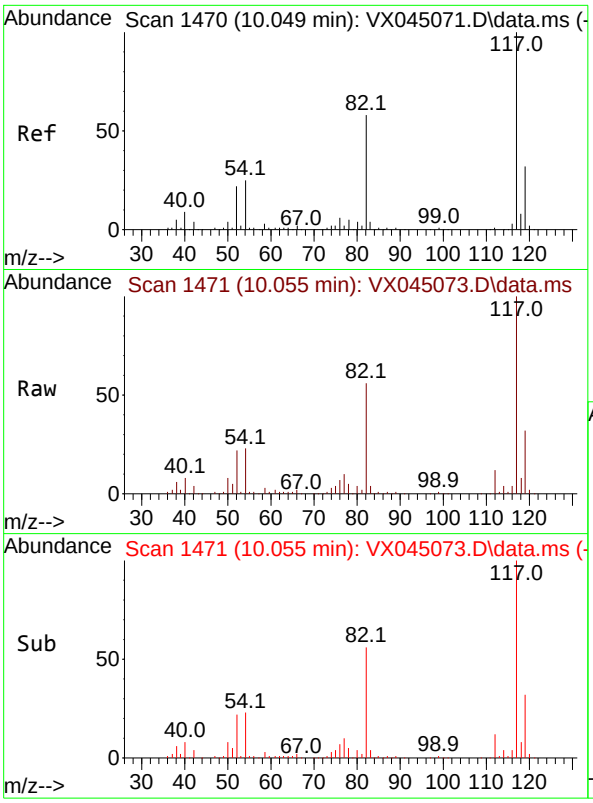


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 95 Resp: 223346

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	148.2
176	69.4	0.0	141.4



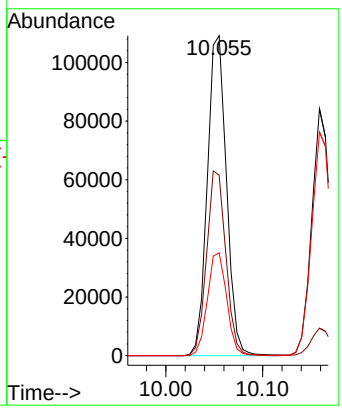


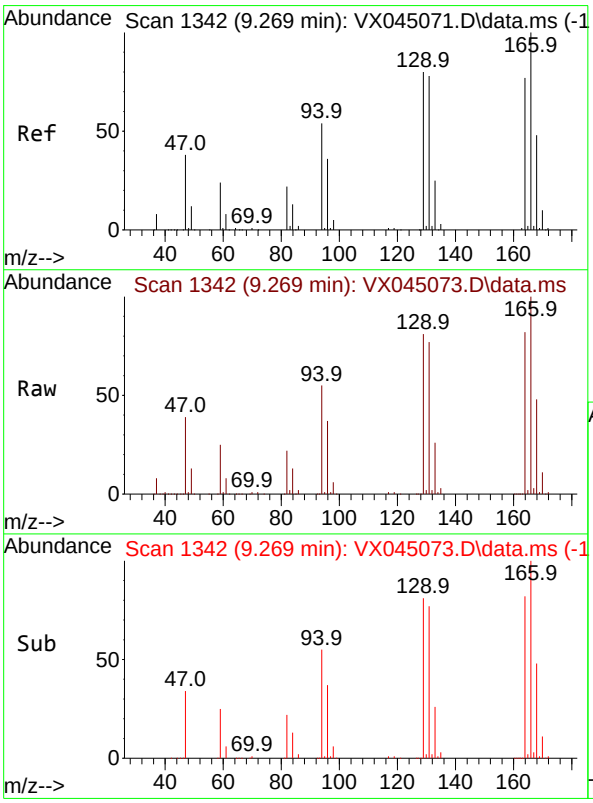
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 150547

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	32.1	25.7	38.5

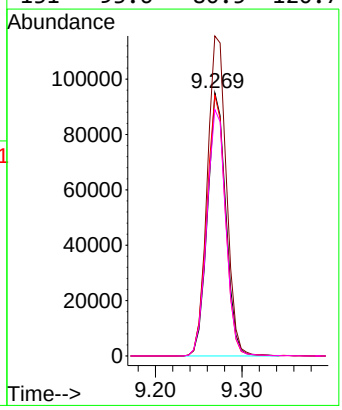


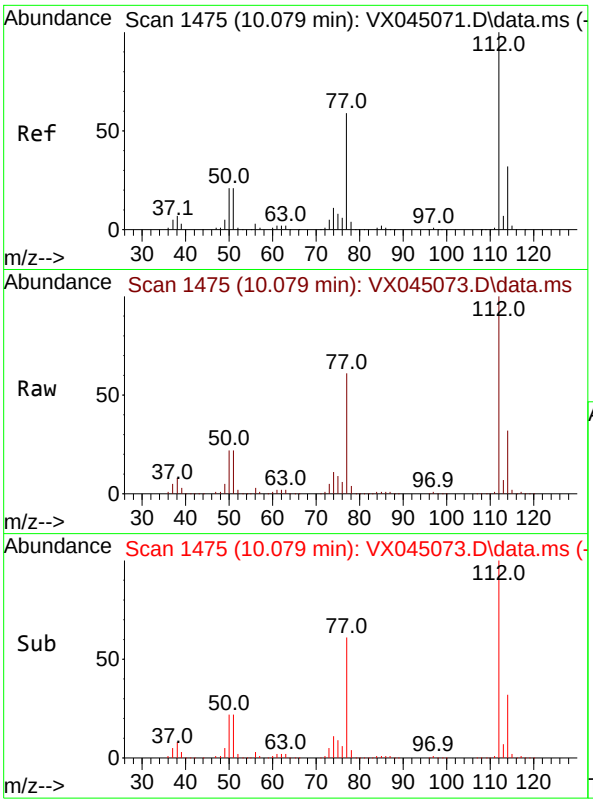


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:164 Resp: 139536

Ion	Ratio	Lower	Upper
164	100		
166	121.6	103.6	155.4
129	99.0	82.7	124.1
131	93.6	80.5	120.7



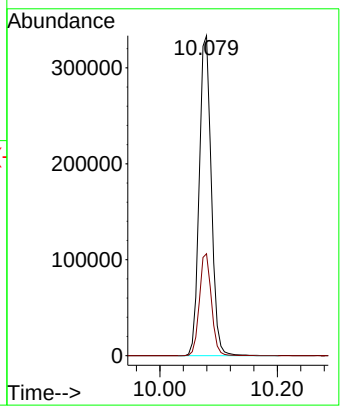


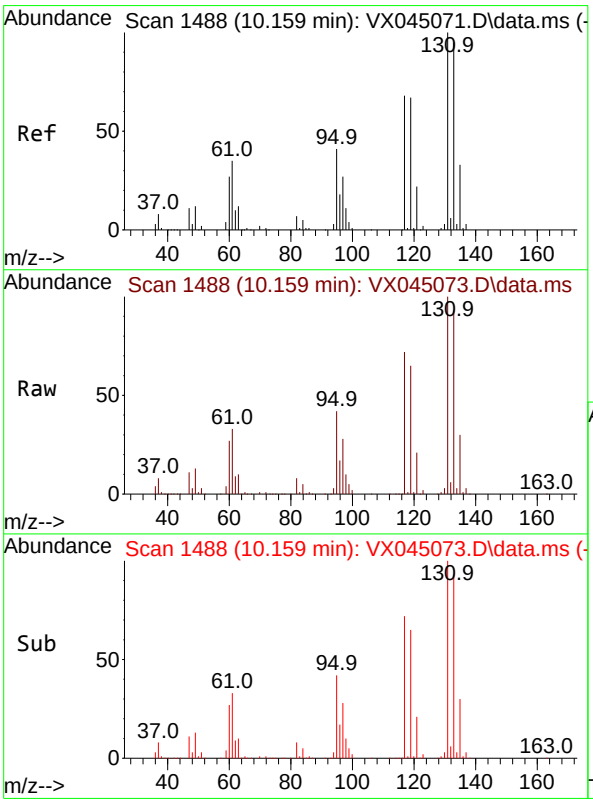
#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 472117

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

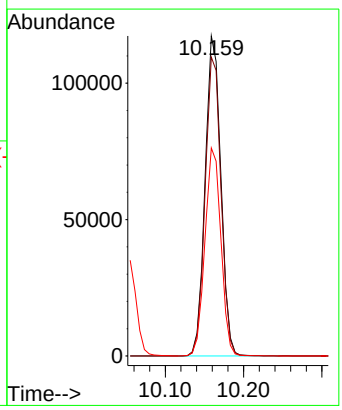


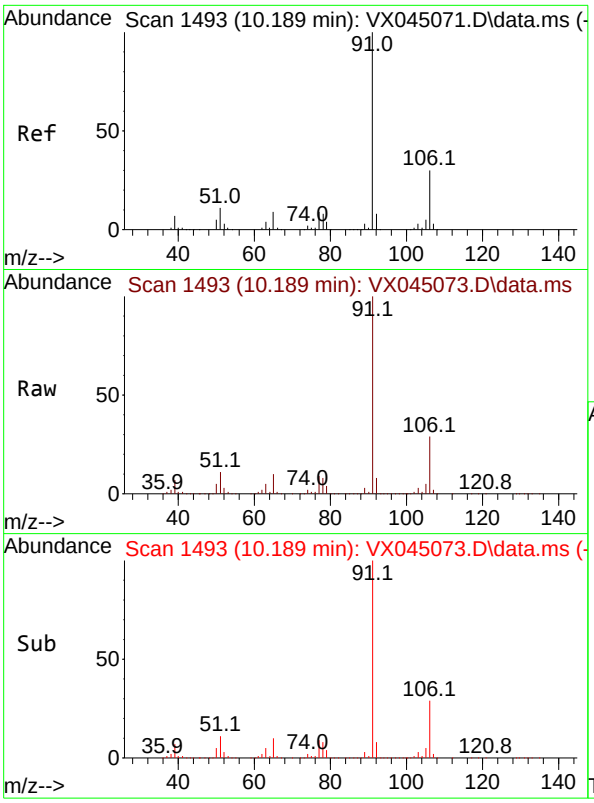


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:131 Resp: 163370

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.6	145.9
119	66.0	33.9	101.7



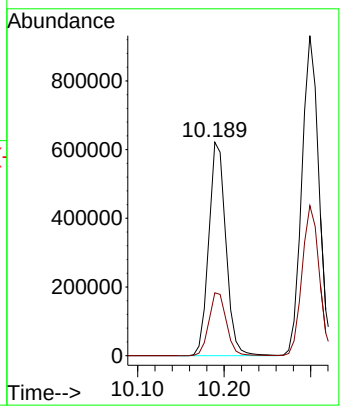


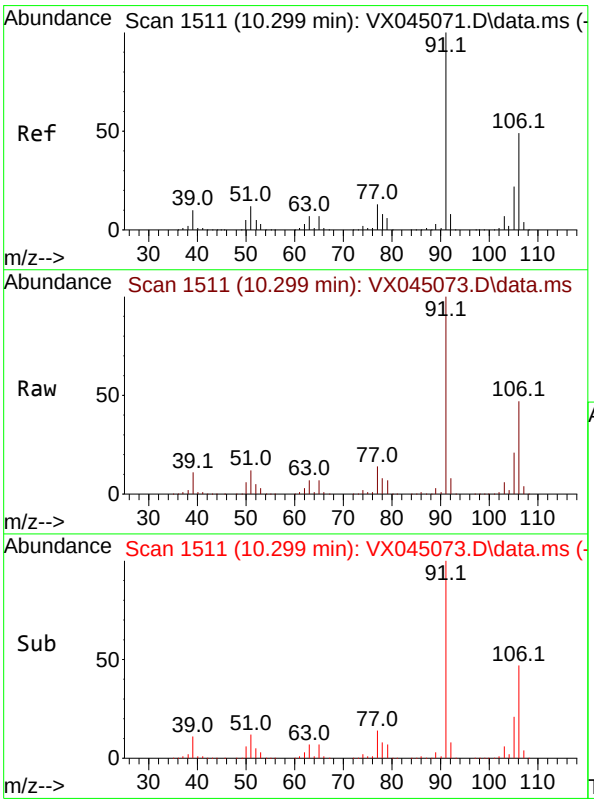
#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 852575

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

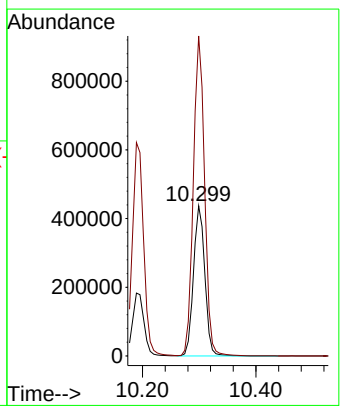


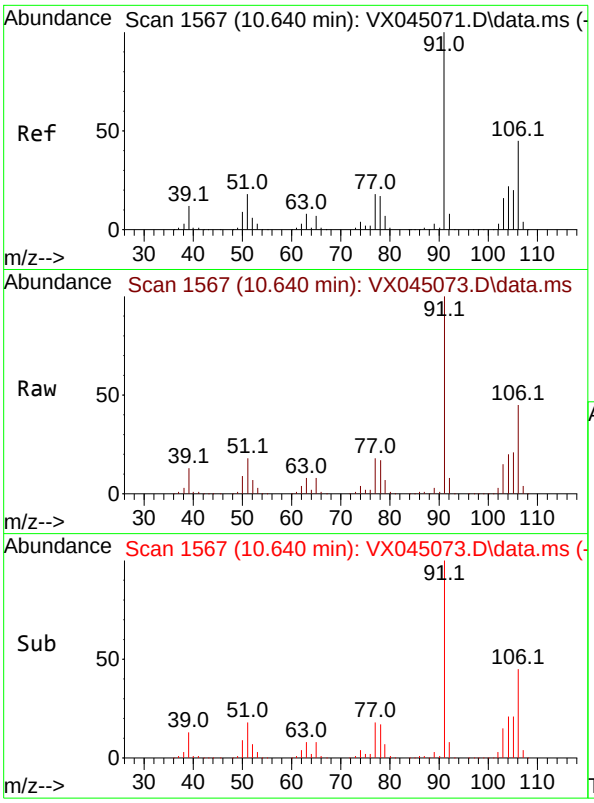


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



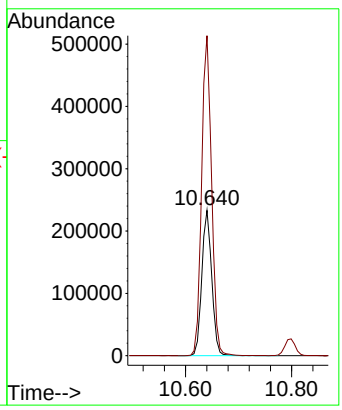


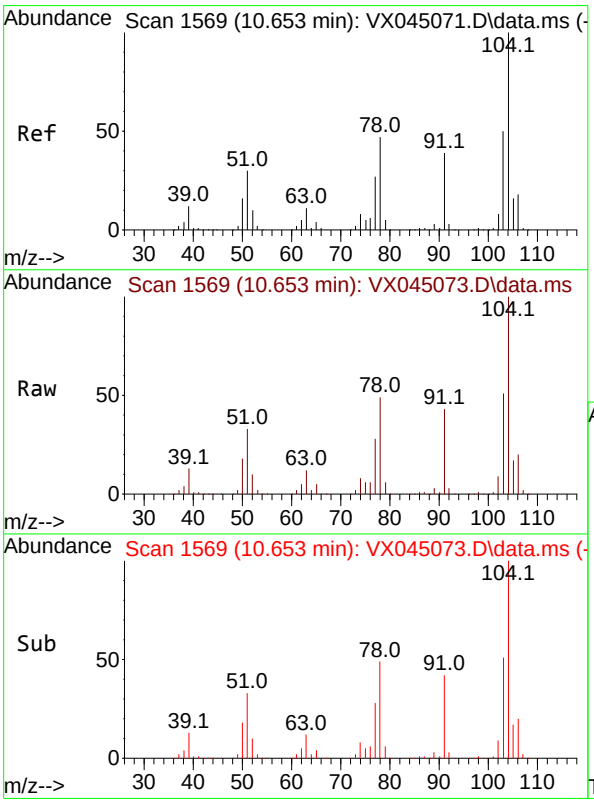
#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 302495

Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6

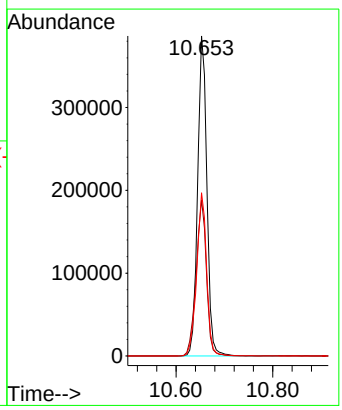


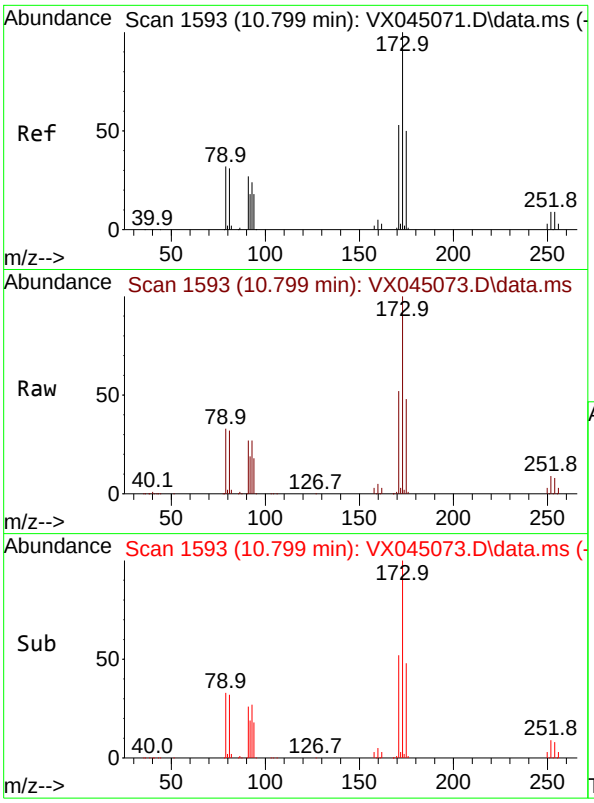


#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:104 Resp: 512379

Ion	Ratio	Lower	Upper
104	100		
78	54.4	42.2	63.4
103	54.8	43.8	65.8



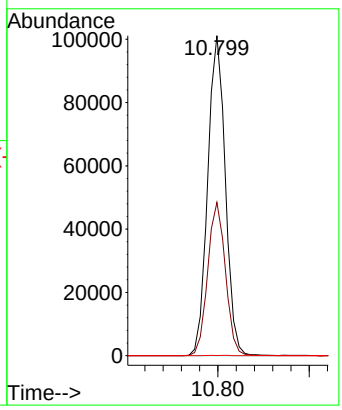


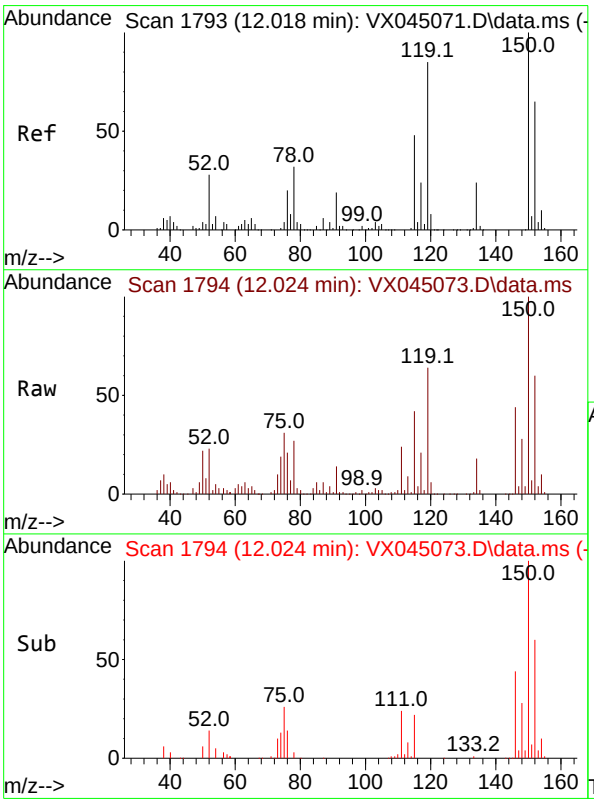
#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 135388

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.1	0.0	0.0#

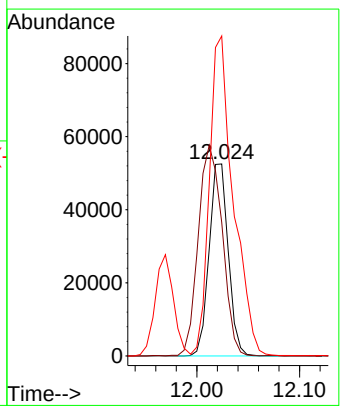


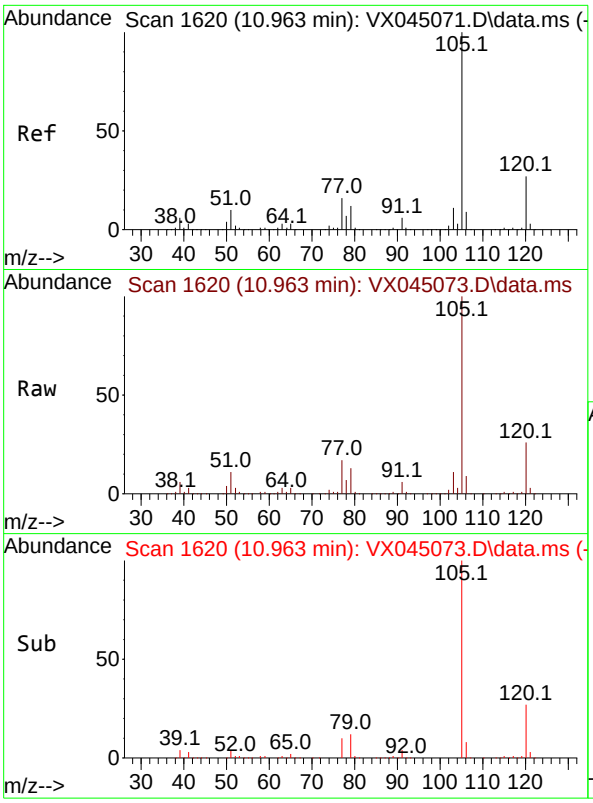


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:152 Resp: 67685

Ion	Ratio	Lower	Upper
152	100		
115	138.4	44.2	132.6#
150	208.8	0.0	349.0



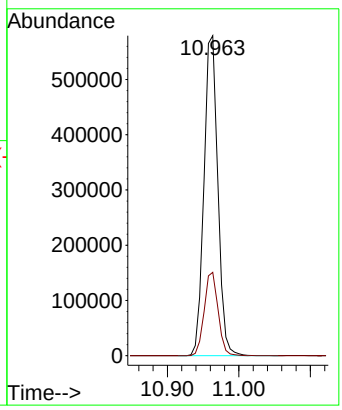


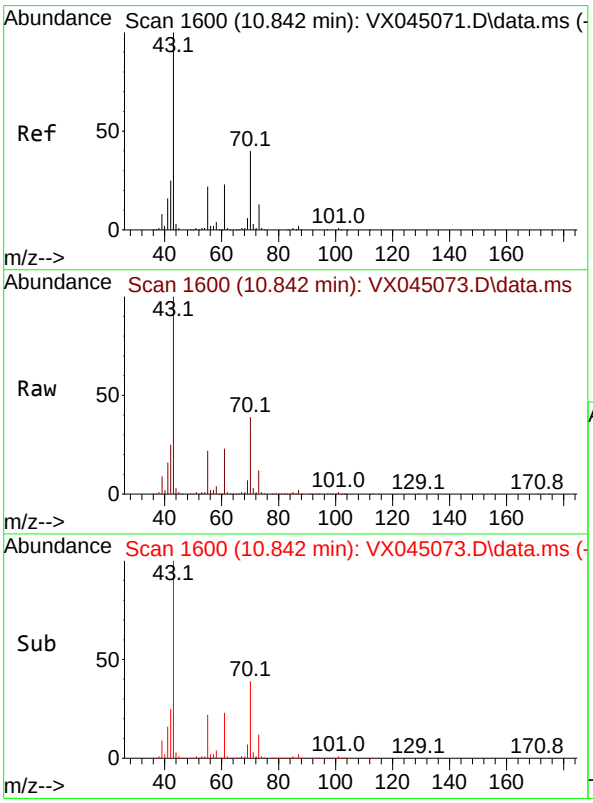
#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 780706

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

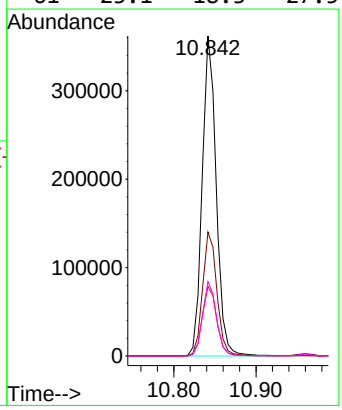


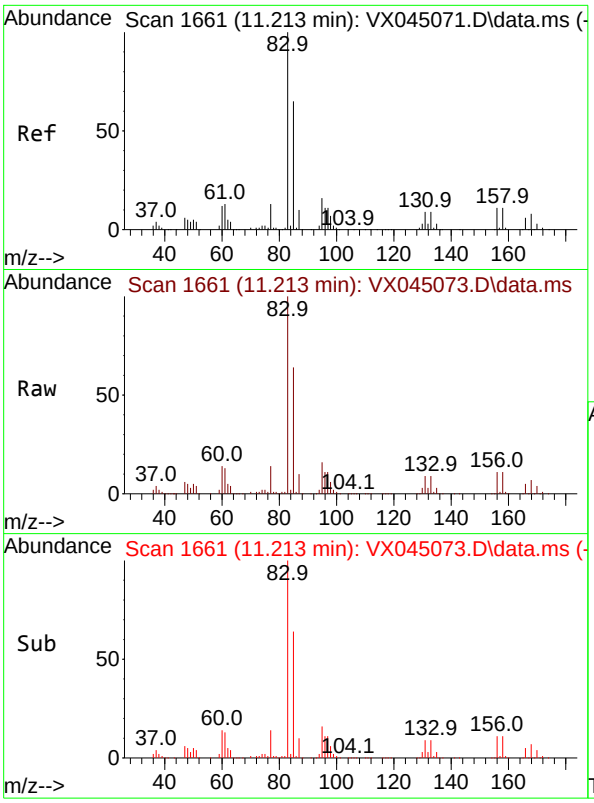


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 429686

Ion	Ratio	Lower	Upper
43	100		
70	39.6	31.8	47.6
55	22.5	18.3	27.5
61	23.1	18.3	27.5



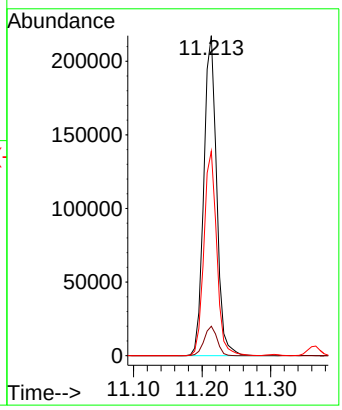


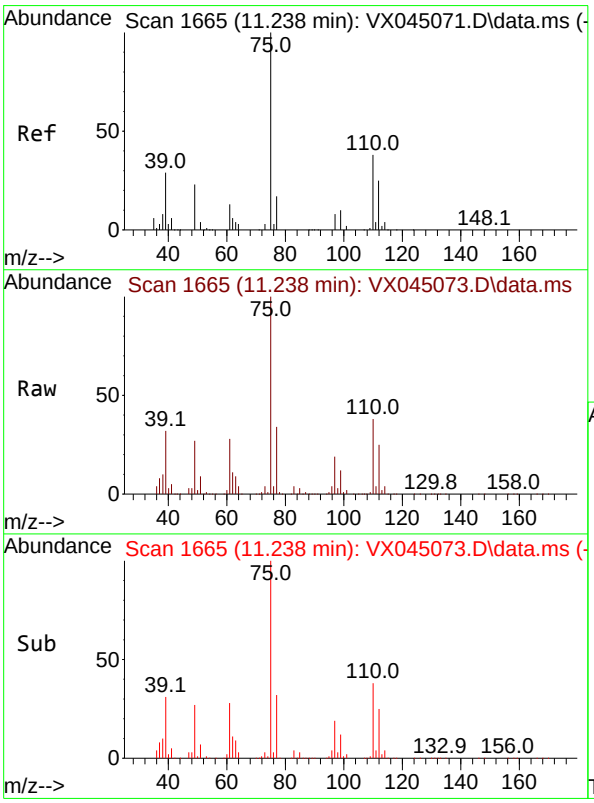
#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 283558

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1

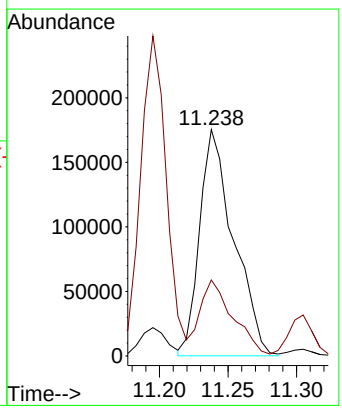


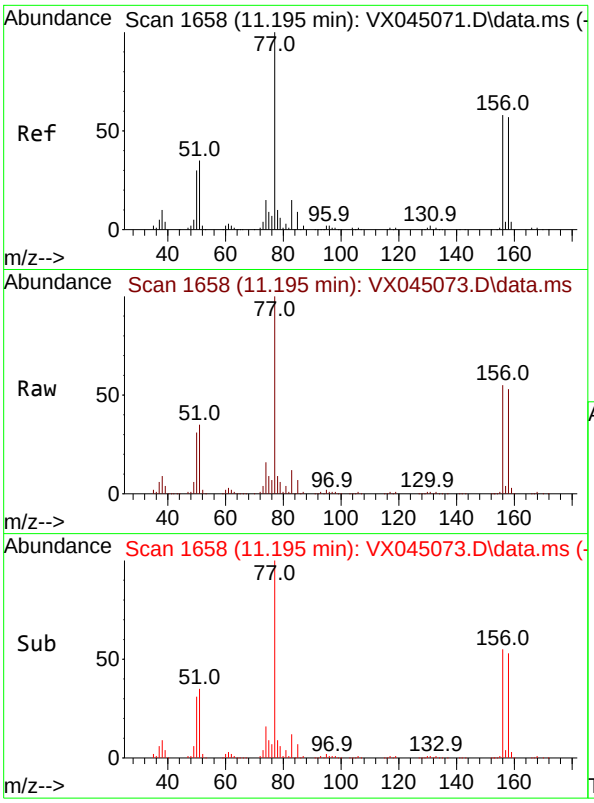


#76
1,2,3-Trichloropropane
Concen: 201.103 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 303633

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



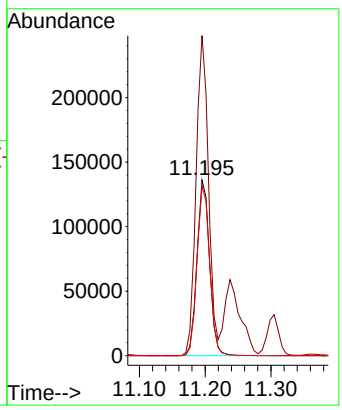


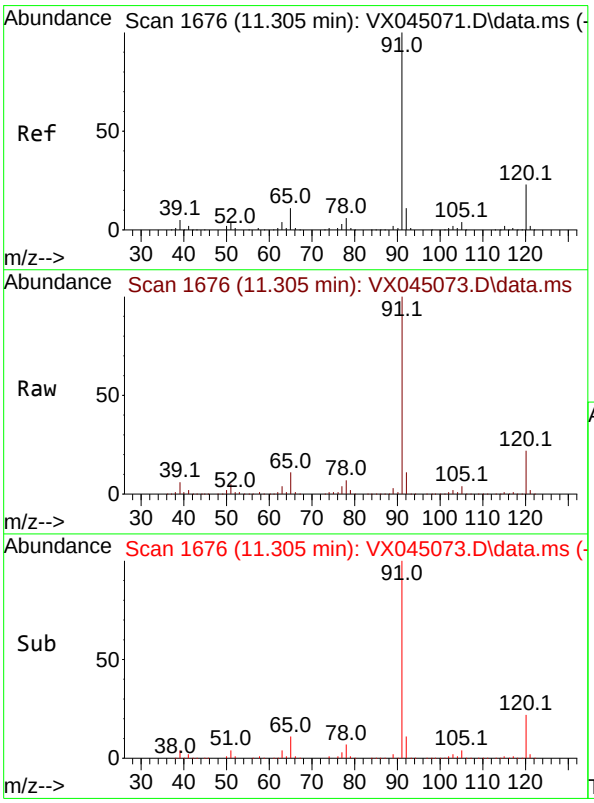
#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 180997

Ion	Ratio	Lower	Upper
156	100		
77	179.4	85.8	257.4
158	97.1	48.4	145.2

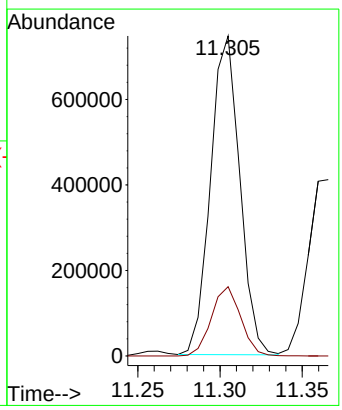


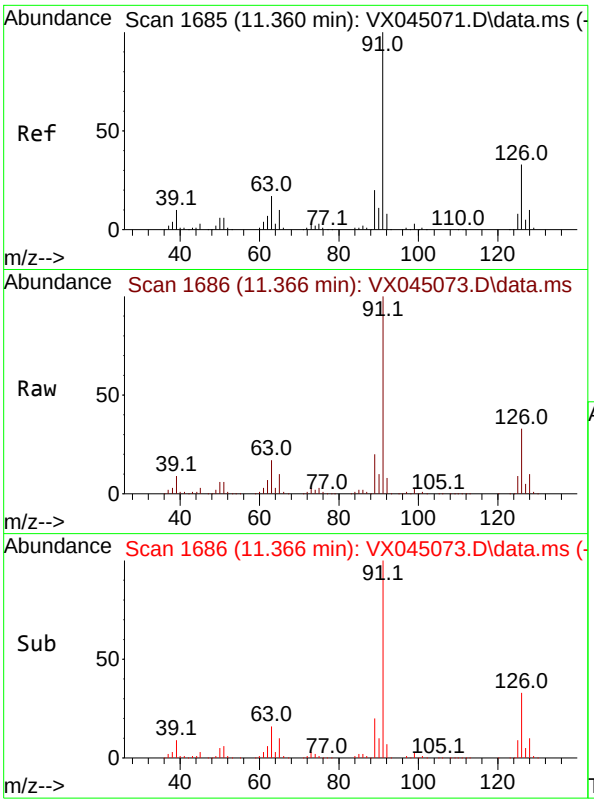


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 923593

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



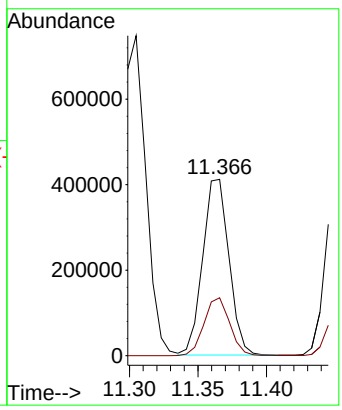


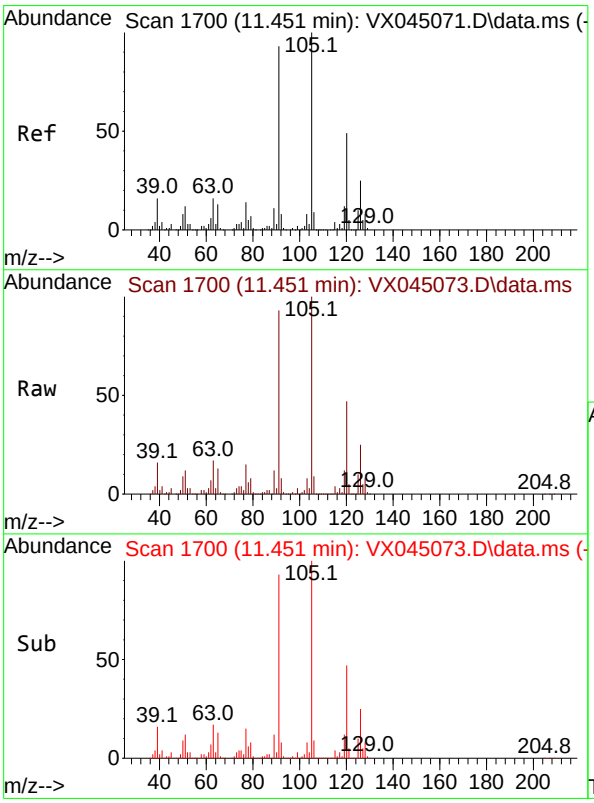
#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 548695

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

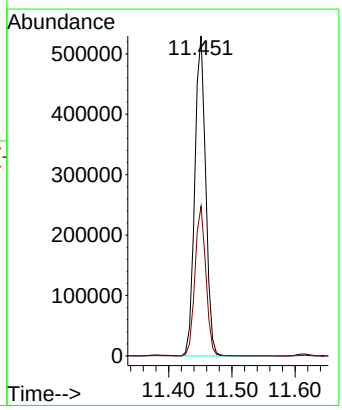


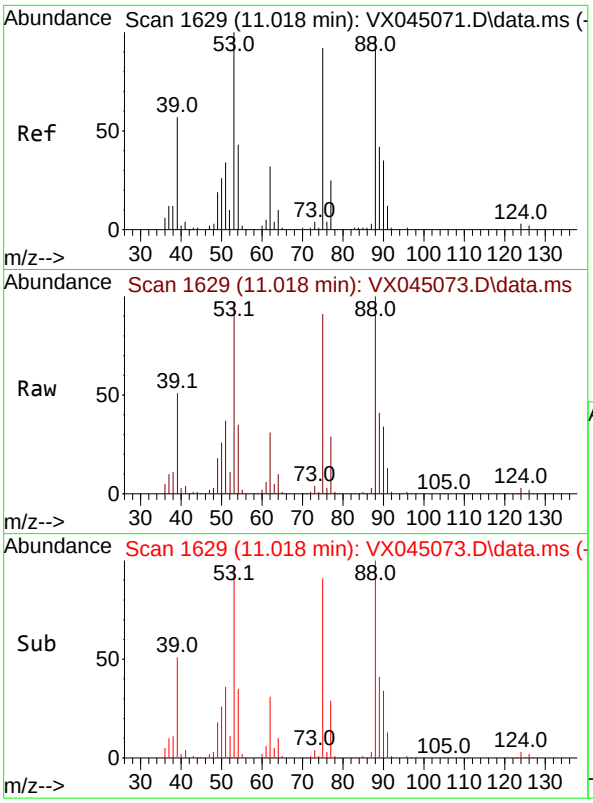


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 635832

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2



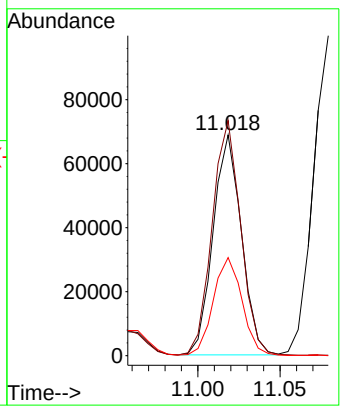


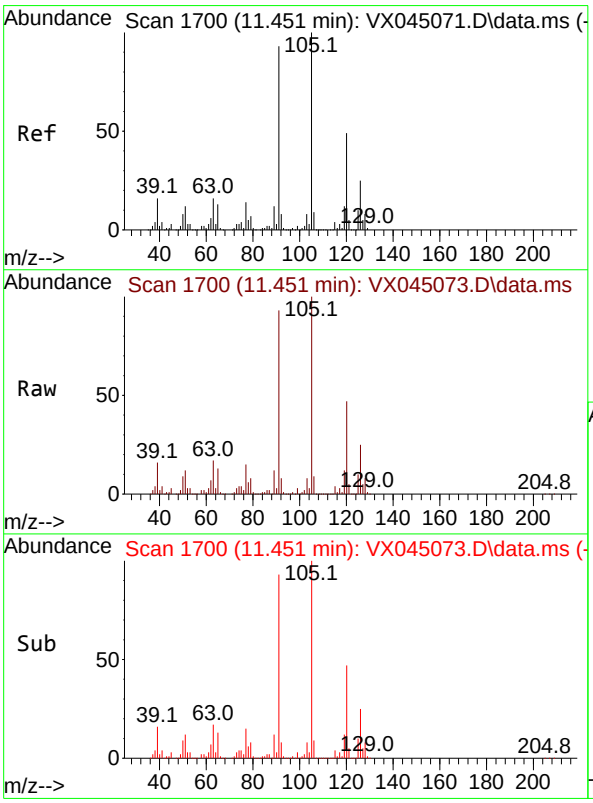
#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 82267

Ion	Ratio	Lower	Upper
75	100		
53	107.7	88.5	132.7
89	45.2	36.2	54.4

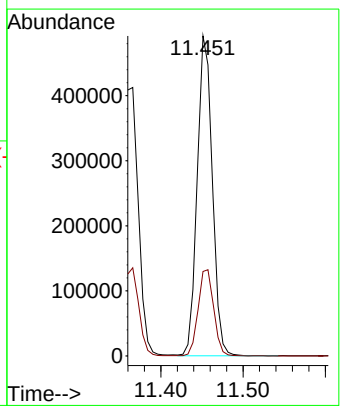


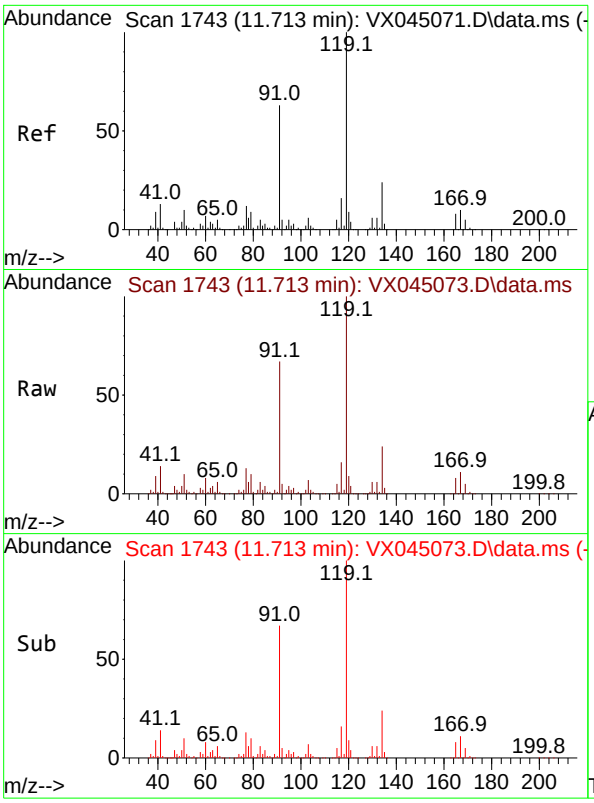


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



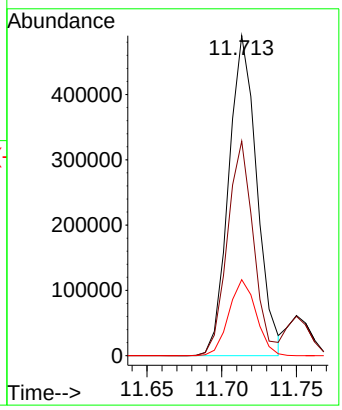


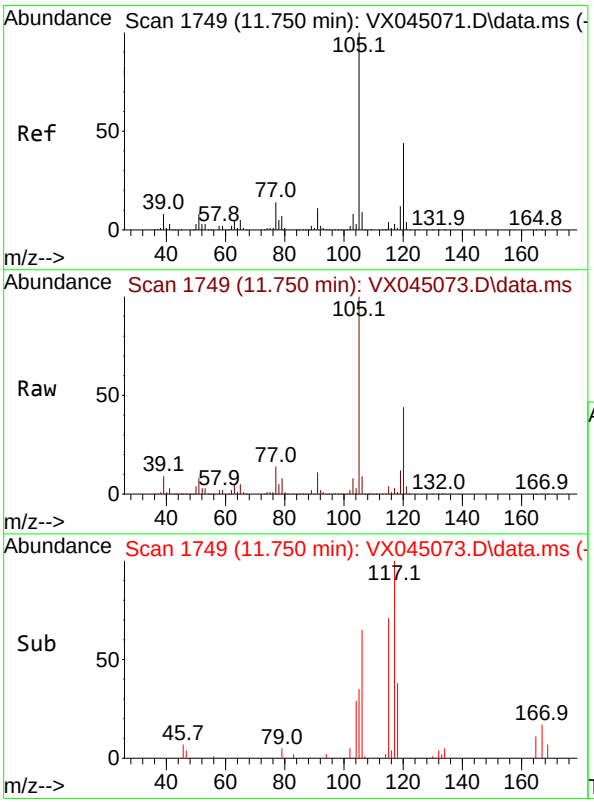
#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 641713

Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	23.0	11.7	35.0

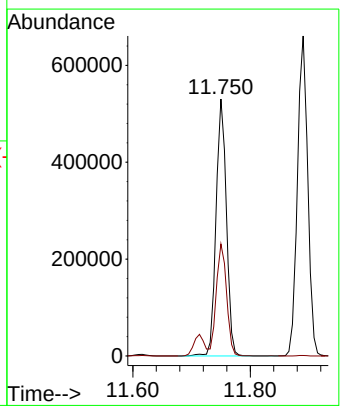


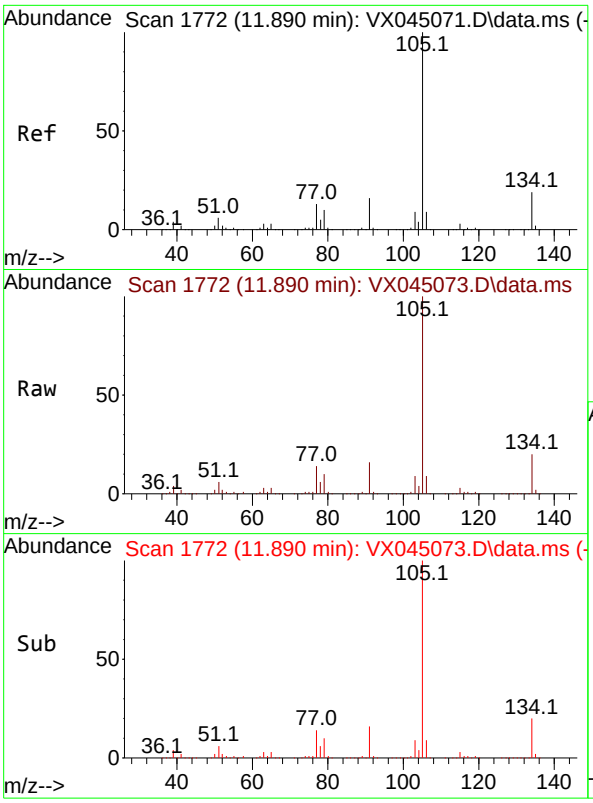


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



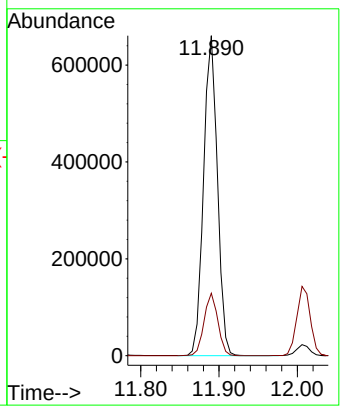


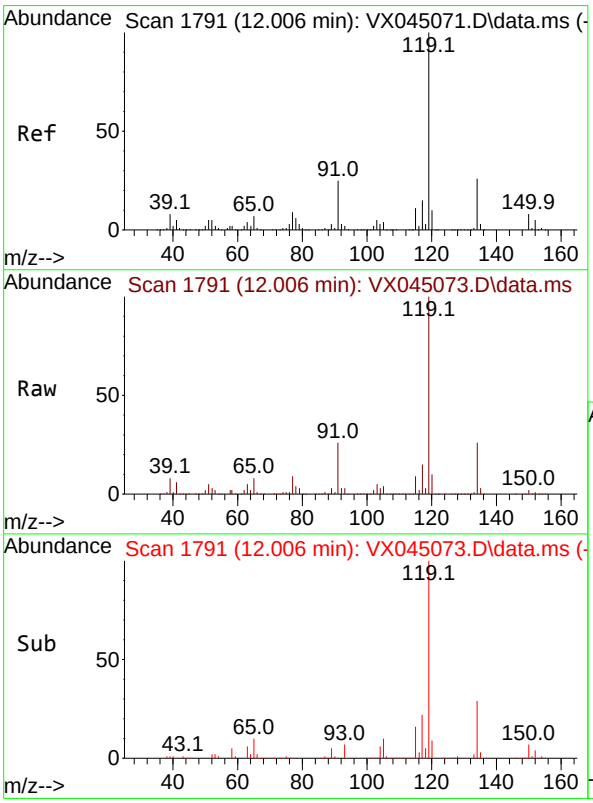
#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 807713

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

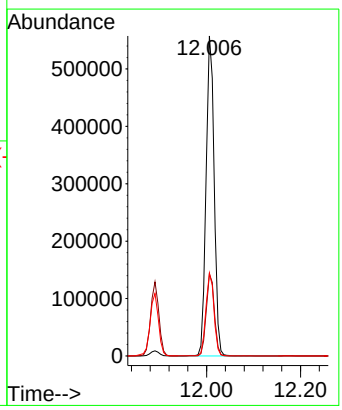


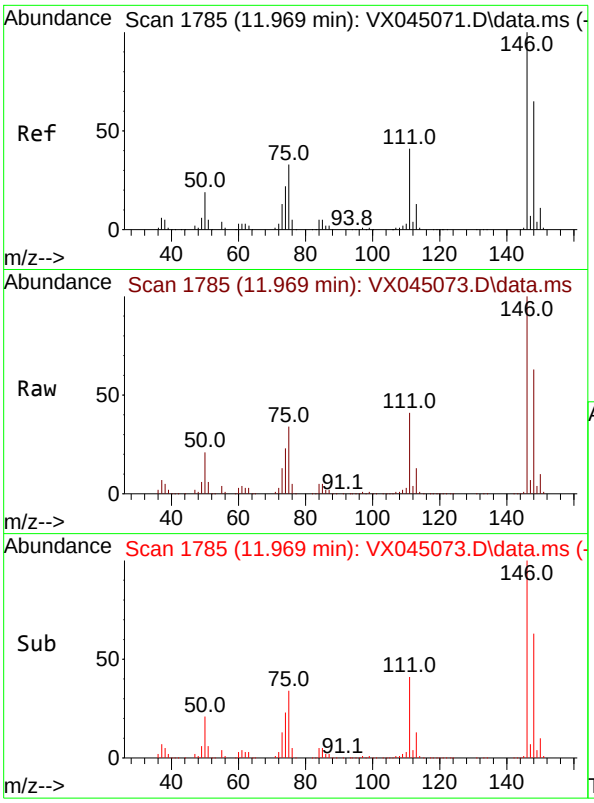


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 664916

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.8	12.7	38.0



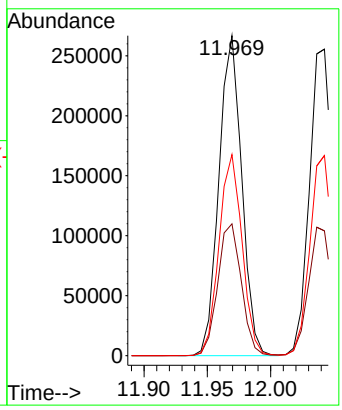


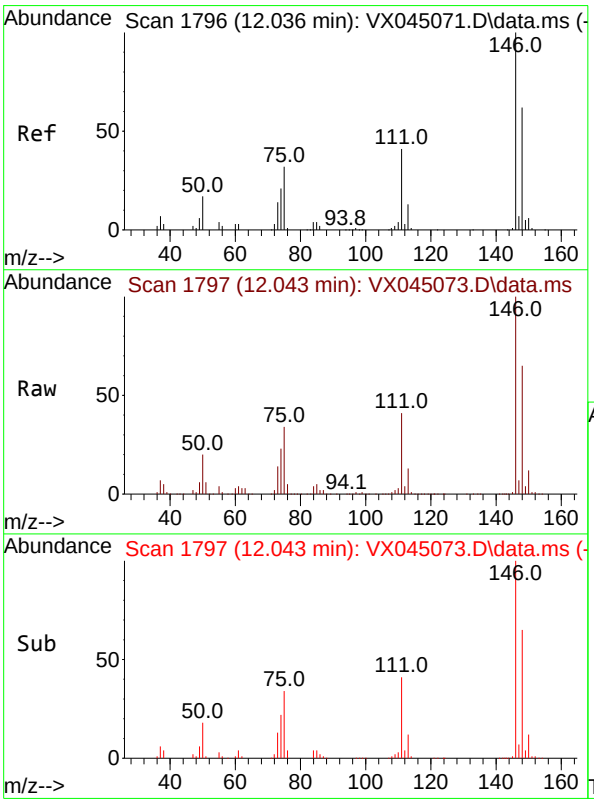
#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 334751

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7

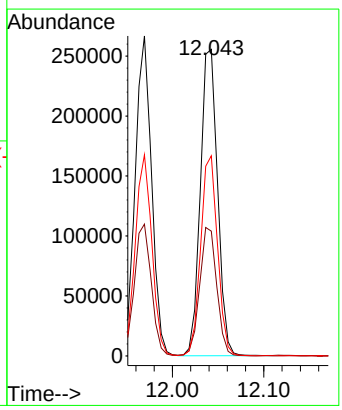


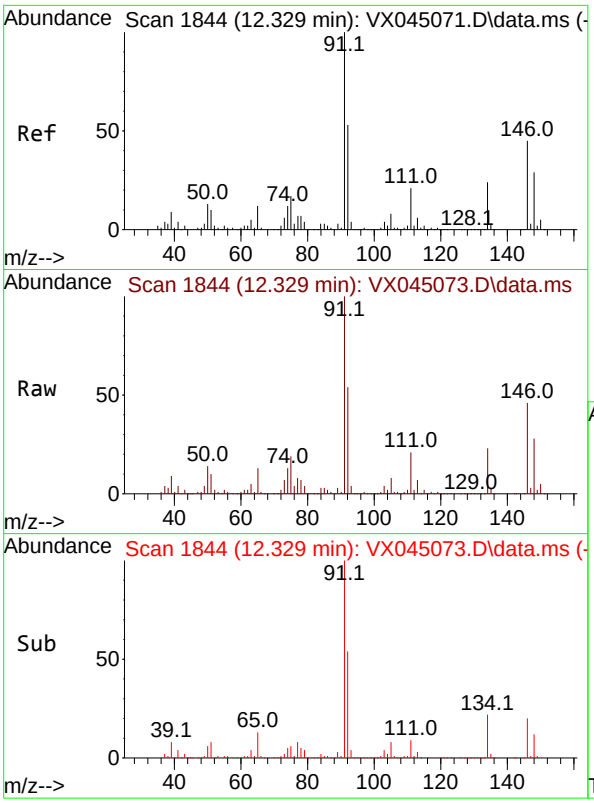


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 333594

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.5
148	64.0	31.9	95.9



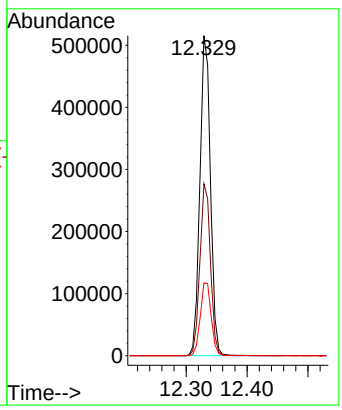


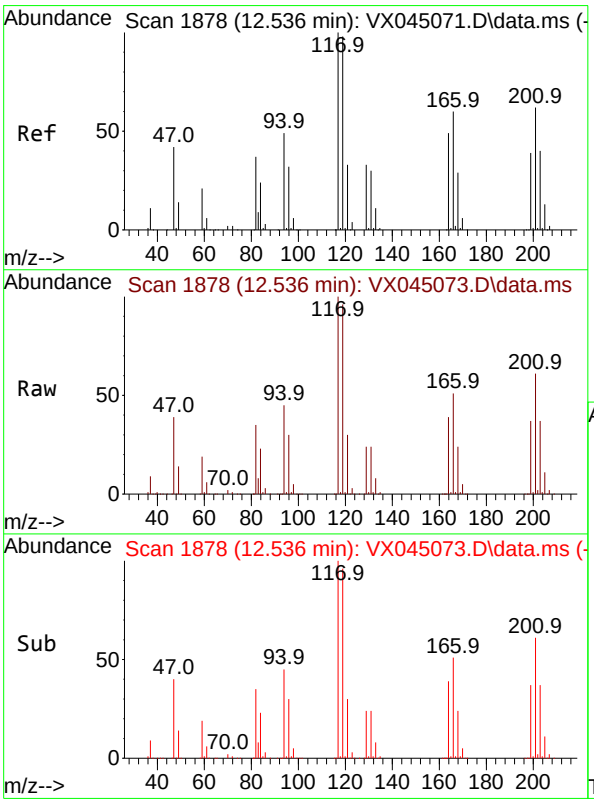
#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 620757

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	23.6	12.2	36.6

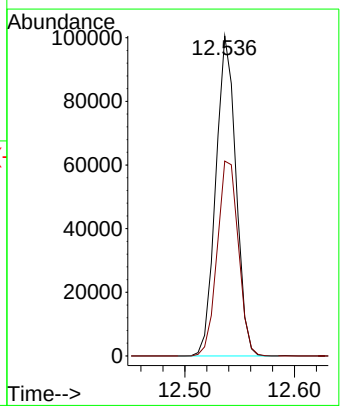


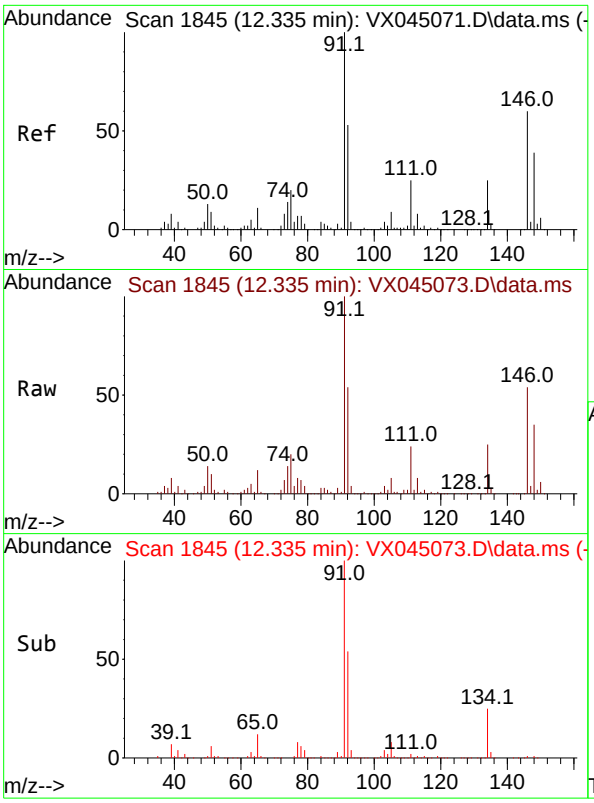


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9



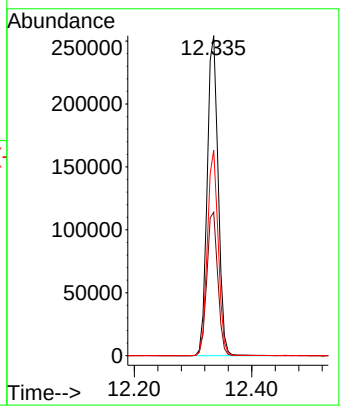


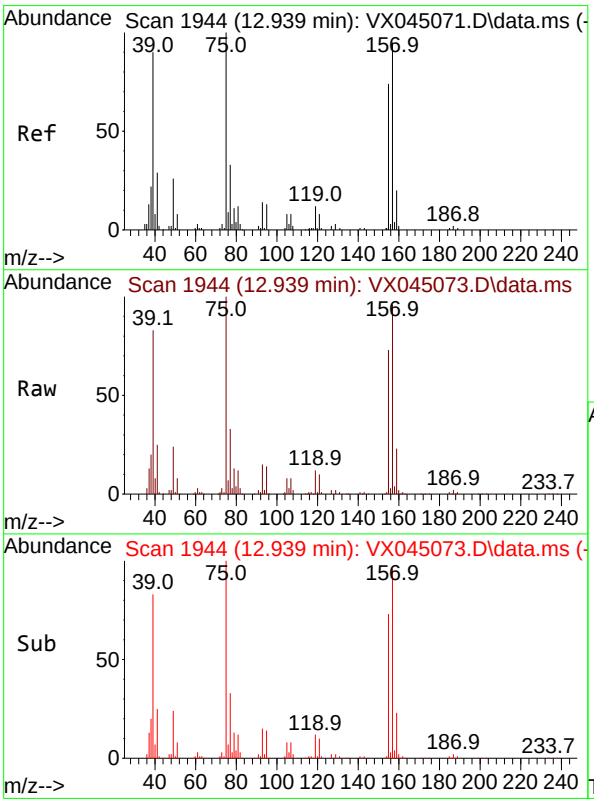
#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 329318

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.4	31.9	95.9

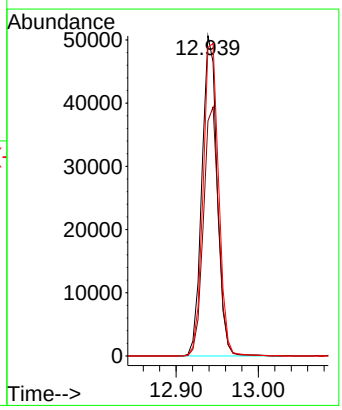


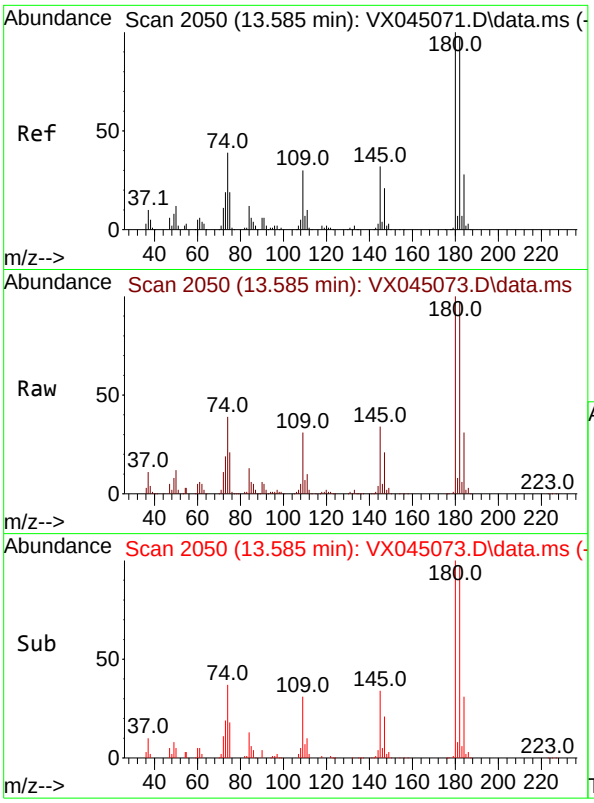


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 64958

Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.6	118.7
157	100.1	51.1	153.4



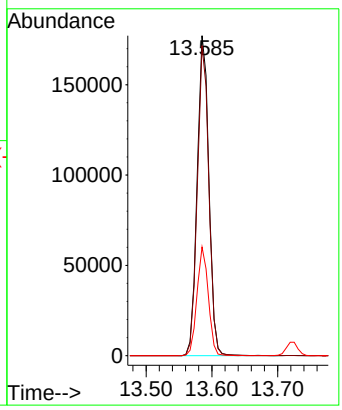


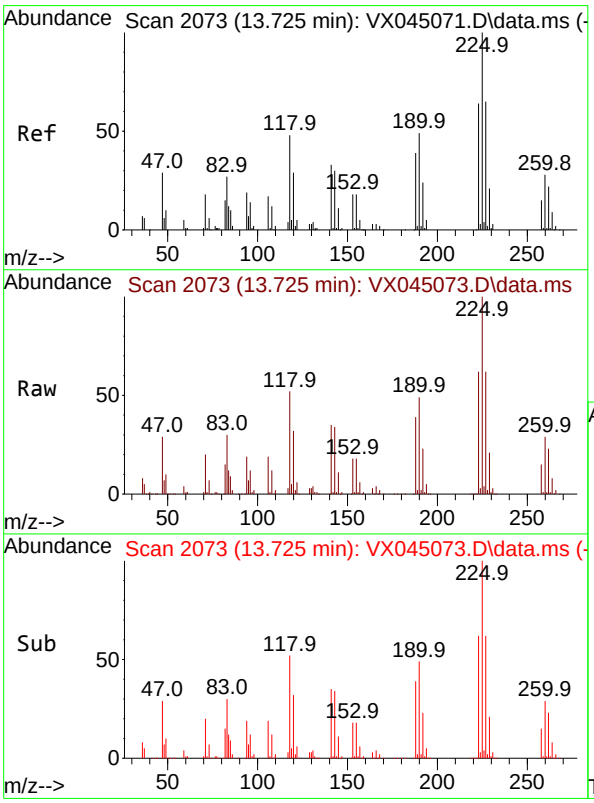
#93
1,2,4-Trichlorobenzene
Concen: 162.416 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 219313

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.9	16.3	48.9

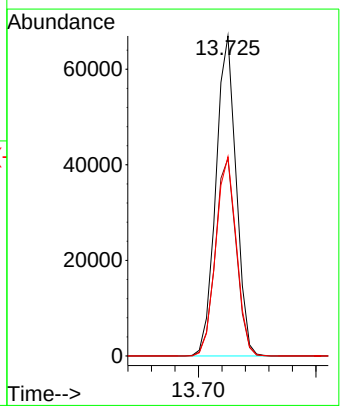


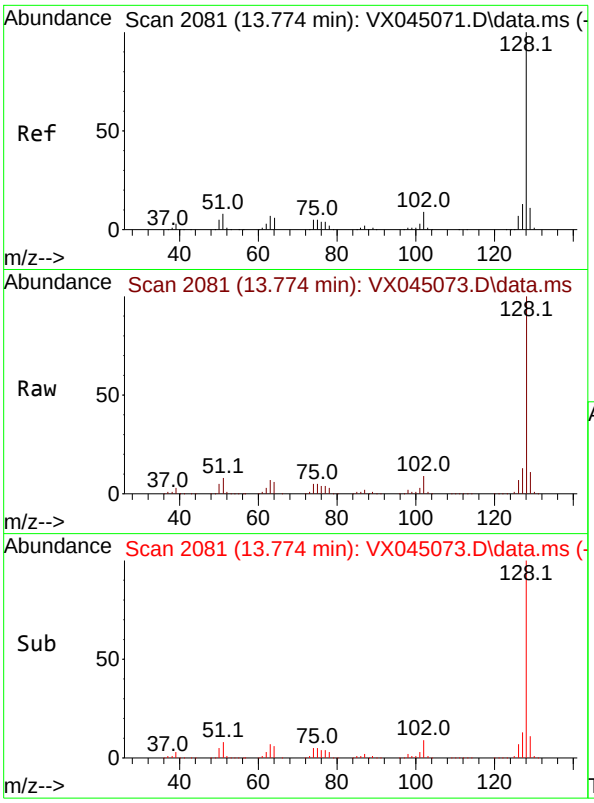


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:225 Resp: 80241

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	63.4	31.4	94.0



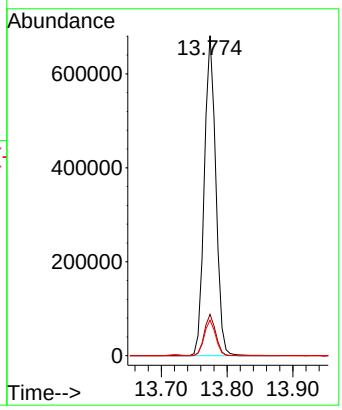


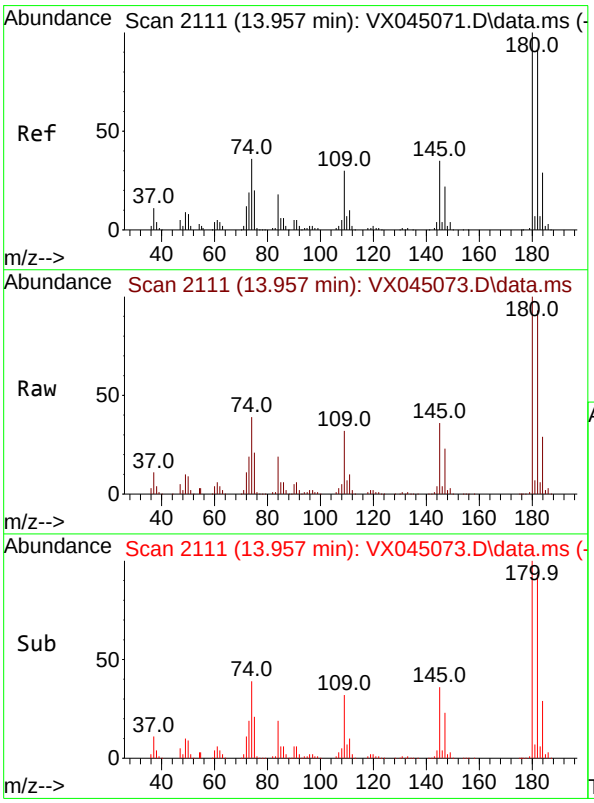
#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 828949

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1

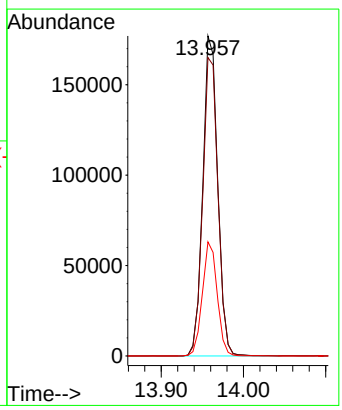




#96
1,2,3-Trichlorobenzene
Concen: 162.727 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 222608

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	35.5	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81288	50.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.600%			
35) Dibromofluoromethane	5.385	113	62880	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	225823	50.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.720%			
62) 4-Bromofluorobenzene	11.079	95	73162	49.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61303	47.933	ug/l	95
3) Chloromethane	1.306	50	76216	48.696	ug/l	94
4) Vinyl Chloride	1.373	62	76901	49.529	ug/l	97
5) Bromomethane	1.593	94	28193	46.190	ug/l	97
6) Chloroethane	1.660	64	30042	41.948	ug/l	99
7) Trichlorofluoromethane	1.867	101	101886	49.569	ug/l	98
8) Diethyl Ether	2.136	74	39113	48.651	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	59477	50.367	ug/l	100
10) Methyl Iodide	2.440	142	74585	50.541	ug/l	98
11) Tert butyl alcohol	2.989	59	73034	238.577	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61885	49.568	ug/l	98
13) Acrolein	2.239	56	95989	271.255	ug/l	99
14) Allyl chloride	2.654	41	114875	51.691	ug/l	98
15) Acrylonitrile	3.068	53	209607	255.479	ug/l	99
16) Acetone	2.392	43	182119	242.877	ug/l	100
17) Carbon Disulfide	2.501	76	166105	49.952	ug/l	97
18) Methyl Acetate	2.709	43	90756	50.312	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	222475	53.114	ug/l	99
20) Methylene Chloride	2.782	84	73731	49.639	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	63117	51.172	ug/l	98
22) Diisopropyl ether	3.763	45	243860	53.955	ug/l	97
23) Vinyl Acetate	3.721	43	1064817	282.313	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129666	51.190	ug/l	100
25) 2-Butanone	4.562	43	298021	264.040	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58694	49.401	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	78576	51.606	ug/l	100
28) Bromochloromethane	4.891	49	60849	50.399	ug/l	100
29) Tetrahydrofuran	5.007	42	195768	258.277	ug/l	99
30) Chloroform	5.086	83	126437	50.236	ug/l	98
31) Cyclohexane	5.464	56	110288	50.158	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103546	50.939	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82722	48.770	ug/l	99
37) Ethyl Acetate	4.714	43	112768	51.596	ug/l	99
38) Carbon Tetrachloride	5.672	117	85110	49.425	ug/l	99
39) Methylcyclohexane	7.372	83	103996	51.169	ug/l	98
40) Benzene	6.031	78	274206	51.195	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	63051	53.352	ug/l		99
42) 1,2-Dichloroethane	6.080	62	97821	50.718	ug/l		100
43) Isopropyl Acetate	6.342	43	175982	54.452	ug/l		100
44) Trichloroethene	7.122	130	61530	48.924	ug/l		99
45) 1,2-Dichloropropane	7.427	63	70350	51.086	ug/l		97
46) Dibromomethane	7.580	93	50284	51.661	ug/l		99
47) Bromodichloromethane	7.817	83	97236	50.930	ug/l		99
48) Methyl methacrylate	7.689	41	87582	54.016	ug/l		100
49) 1,4-Dioxane	7.665	88	35878	1049.007	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	564197	259.995	ug/l		99
52) Toluene	8.714	92	160331	51.020	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86584	54.247	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	98146	52.732	ug/l		95
55) 1,1,2-Trichloroethane	9.146	97	64985	50.232	ug/l		99
56) Ethyl methacrylate	9.116	69	106405	54.109	ug/l		100
57) 1,3-Dichloropropane	9.305	76	114880	51.312	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	264335	275.557	ug/l		99
59) 2-Hexanone	9.427	43	416731	265.049	ug/l		99
60) Dibromochloromethane	9.518	129	69492	51.374	ug/l		98
61) 1,2-Dibromoethane	9.610	107	66501	51.492	ug/l		99
64) Tetrachloroethene	9.268	164	50659	50.126	ug/l		96
65) Chlorobenzene	10.079	112	168885	50.580	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56822	51.102	ug/l		98
67) Ethyl Benzene	10.189	91	300324	51.621	ug/l		100
68) m/p-Xylenes	10.299	106	220335	103.454	ug/l		99
69) o-Xylene	10.640	106	108836	50.668	ug/l		100
70) Styrene	10.652	104	181349	52.177	ug/l		100
71) Bromoform	10.799	173	44135	52.636	ug/l	#	100
73) Isopropylbenzene	10.957	105	279278	51.589	ug/l		99
74) N-amyl acetate	10.841	43	144412	56.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	100800	50.741	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	102821	63.694	ug/l		87
77) Bromobenzene	11.195	156	64324	50.360	ug/l		100
78) n-propylbenzene	11.305	91	319235	52.203	ug/l		99
79) 2-Chlorotoluene	11.360	91	192150	49.338	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	225622	51.544	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23943	50.757	ug/l		99
82) 4-Chlorotoluene	11.451	91	216511	51.009	ug/l		100
83) tert-Butylbenzene	11.713	119	227357	50.552	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	228729	51.932	ug/l		100
85) sec-Butylbenzene	11.890	105	283931	52.703	ug/l		100
86) p-Isopropyltoluene	12.006	119	229894	52.803	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	114778	50.372	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115486	50.097	ug/l		99
89) n-Butylbenzene	12.329	91	204972	54.662	ug/l		99
90) Hexachloroethane	12.536	117	40844	51.866	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	116343	50.899	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20589	53.199	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	71368	54.834	ug/l		98
94) Hexachlorobutadiene	13.725	225	26697	50.032	ug/l		99
95) Naphthalene	13.774	128	275844	55.163	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	74211	54.049	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

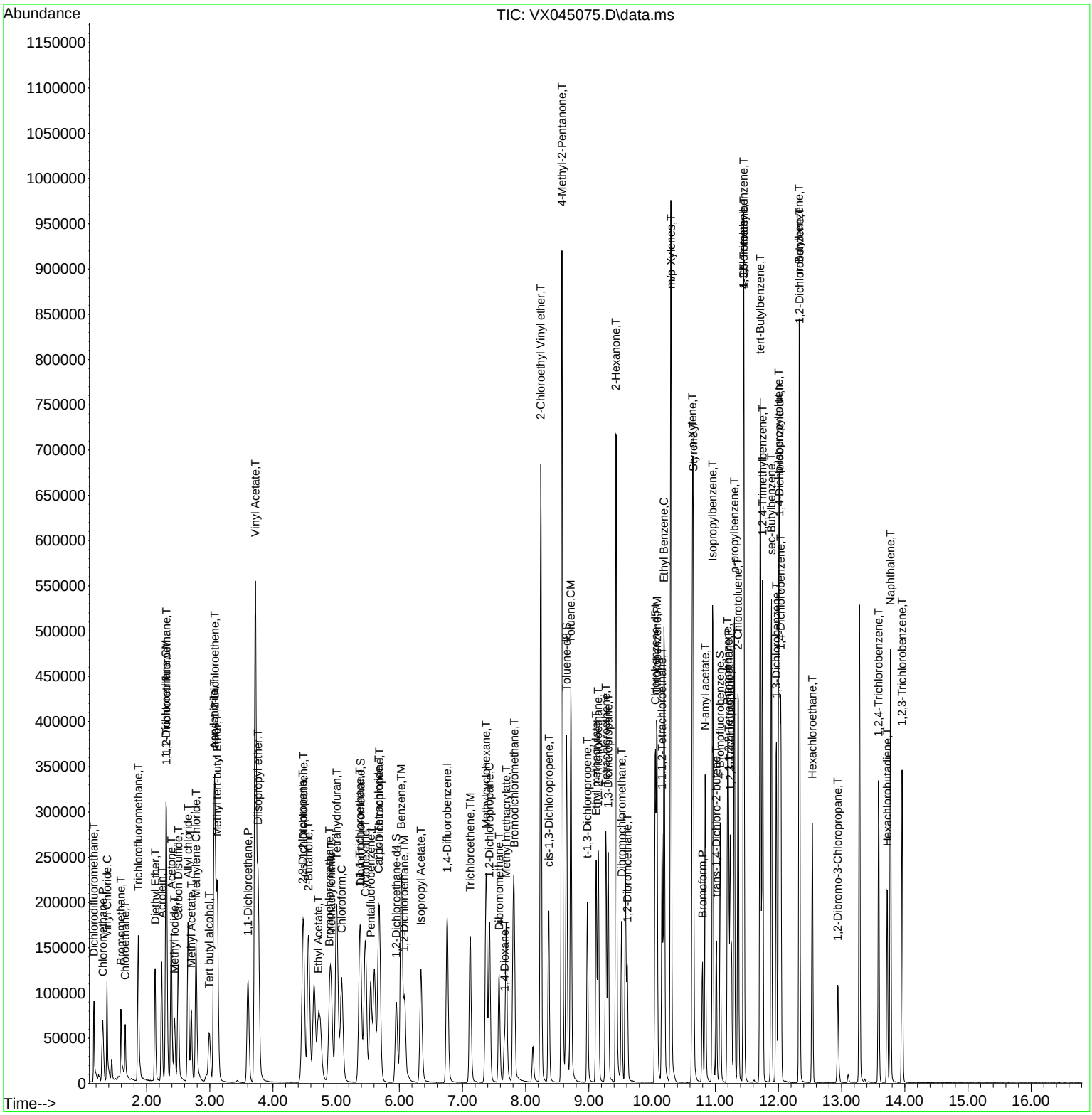
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

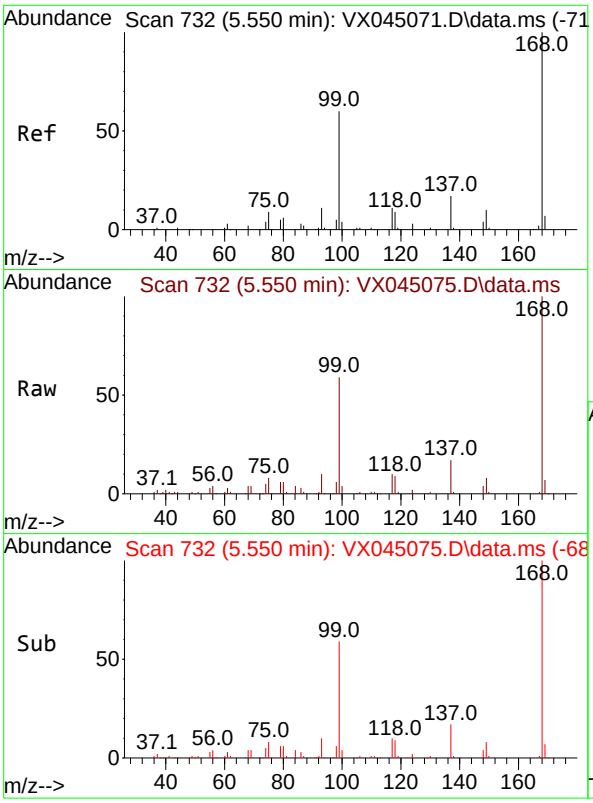
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



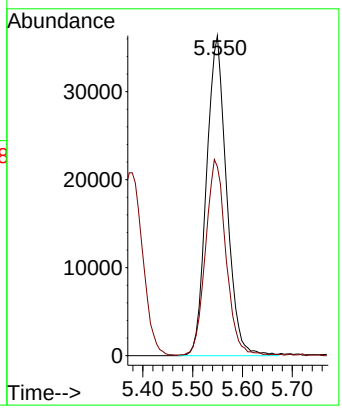


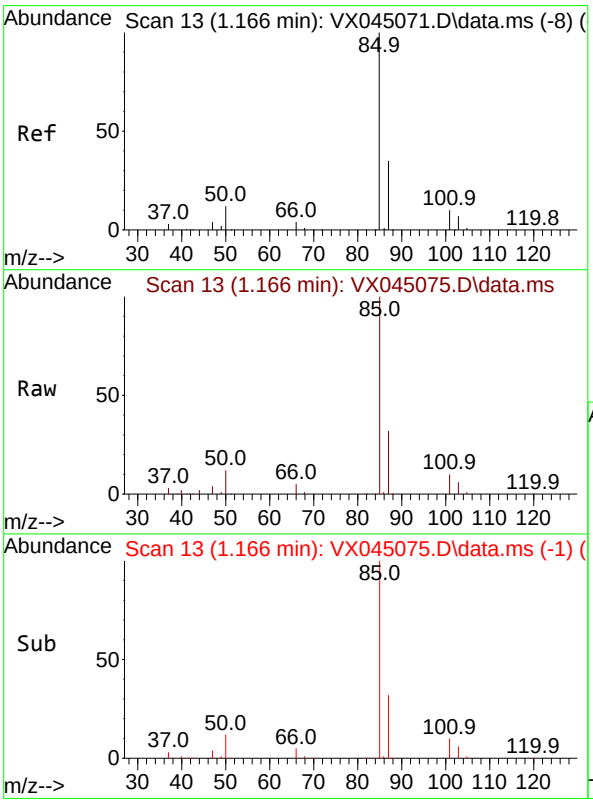
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:168 Resp: 101603

Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4

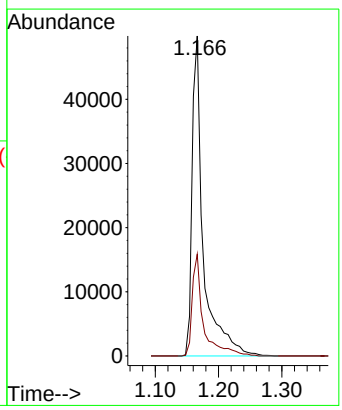


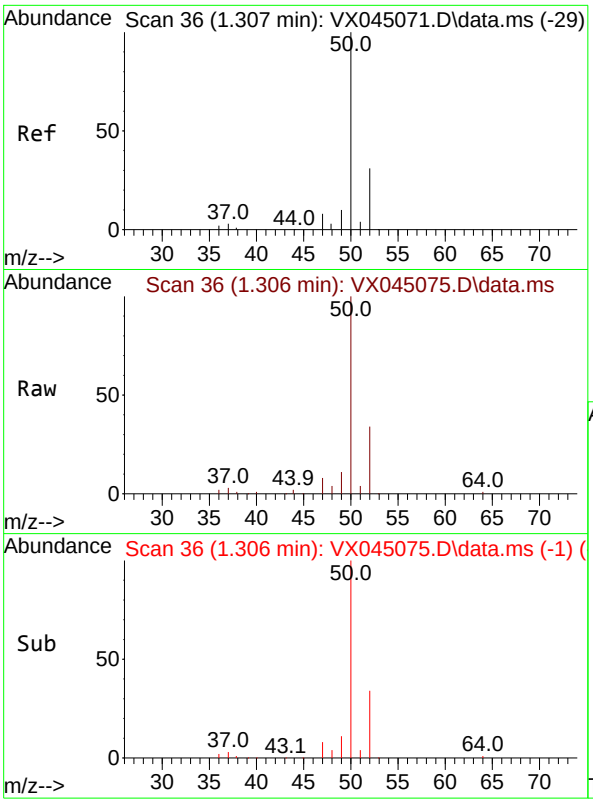


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 85 Resp: 61303

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3



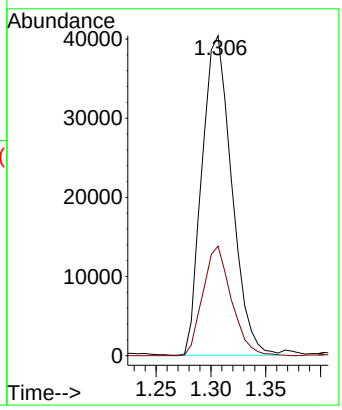


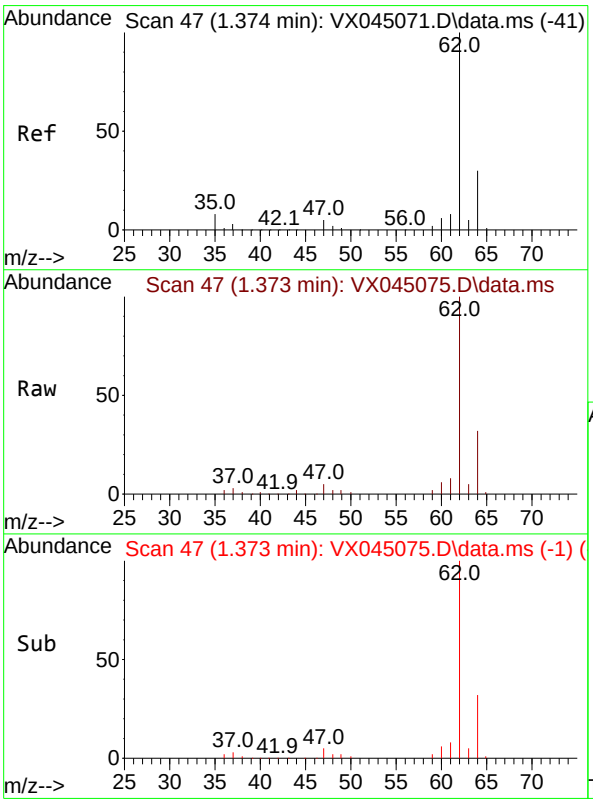
#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 50 Resp: 76216

Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4

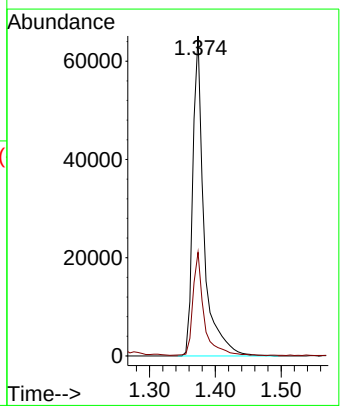


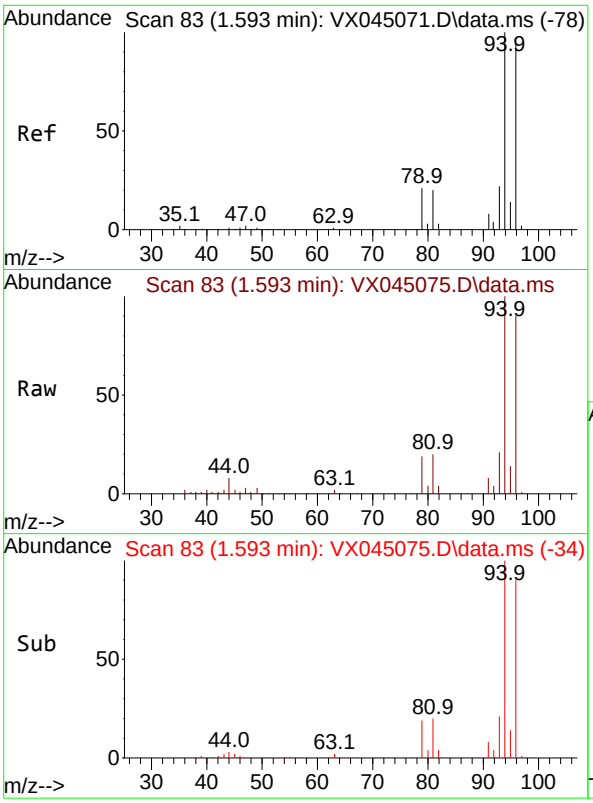


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5



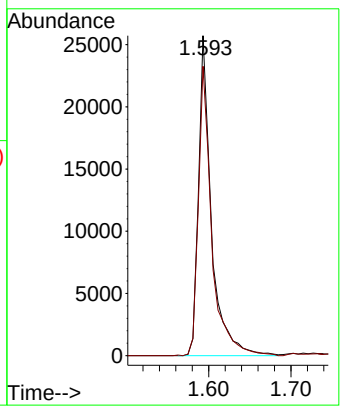


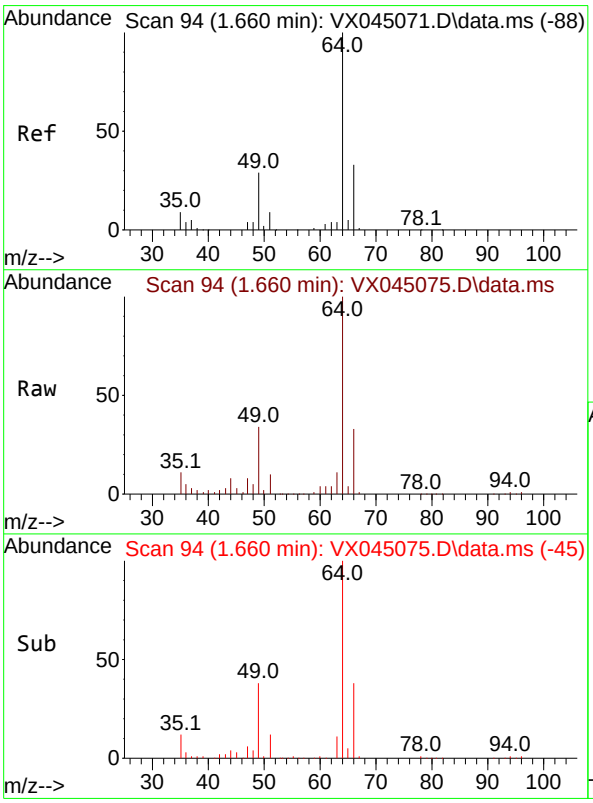
#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 94 Resp: 28193

Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4

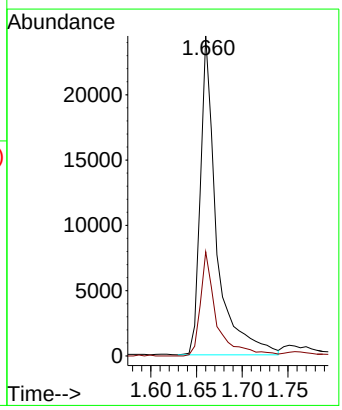


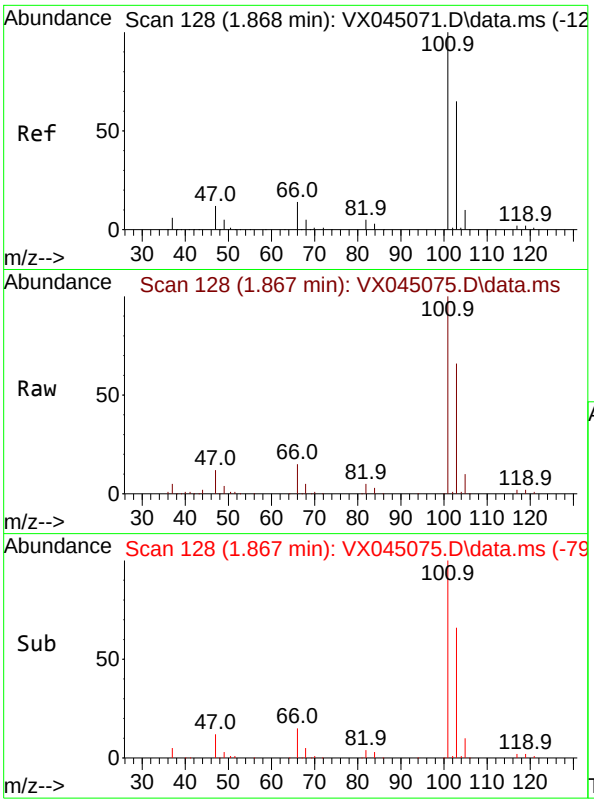


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1



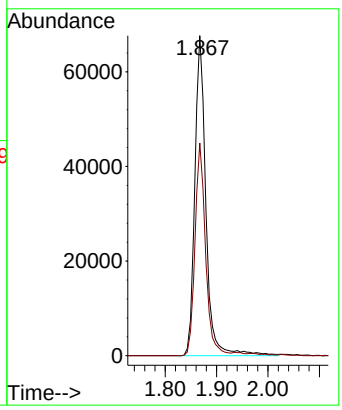


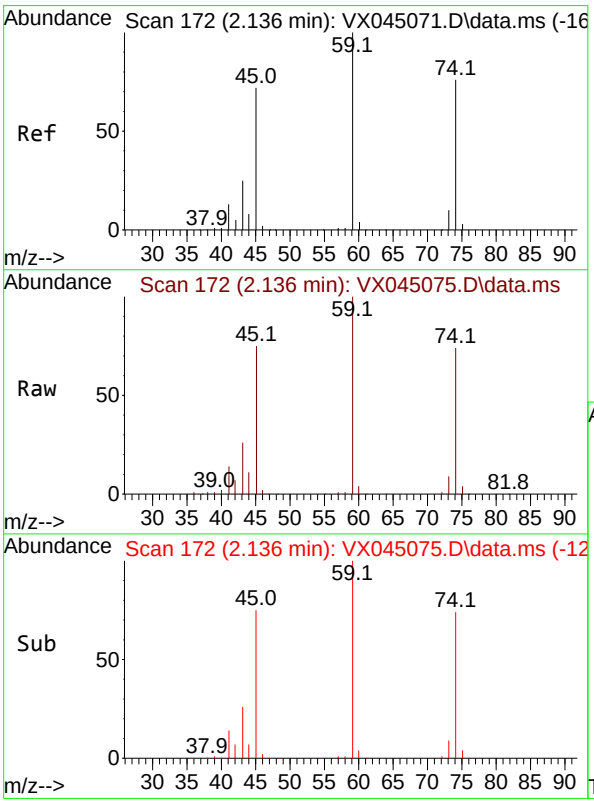
#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:101 Resp: 101886

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

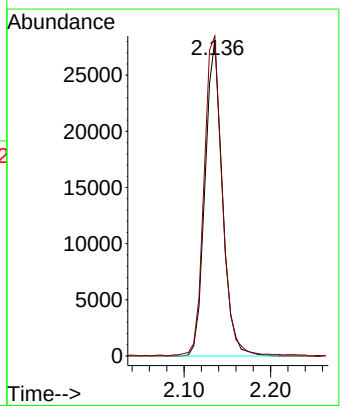


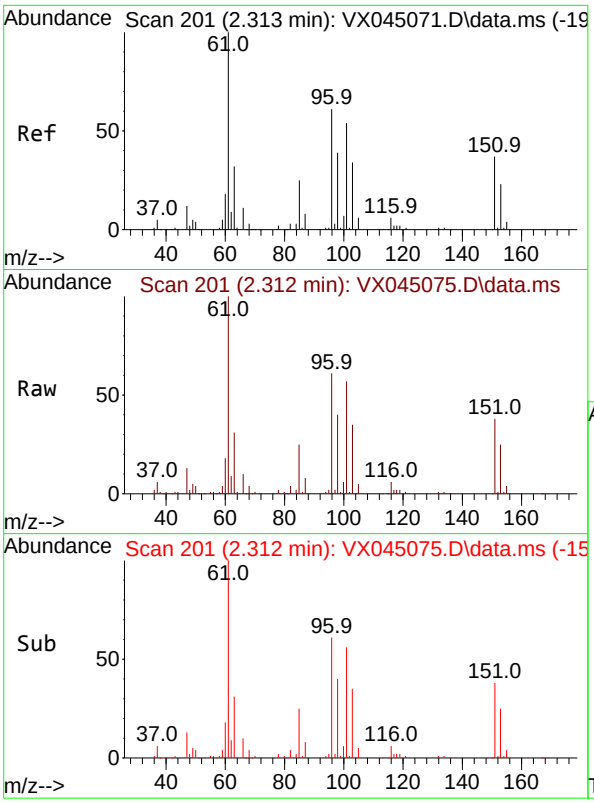


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5



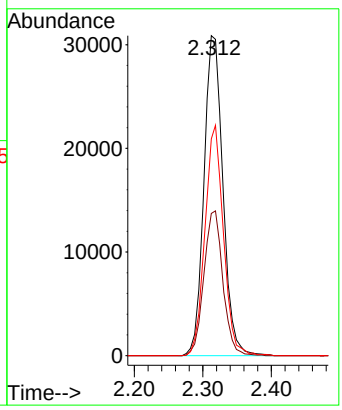


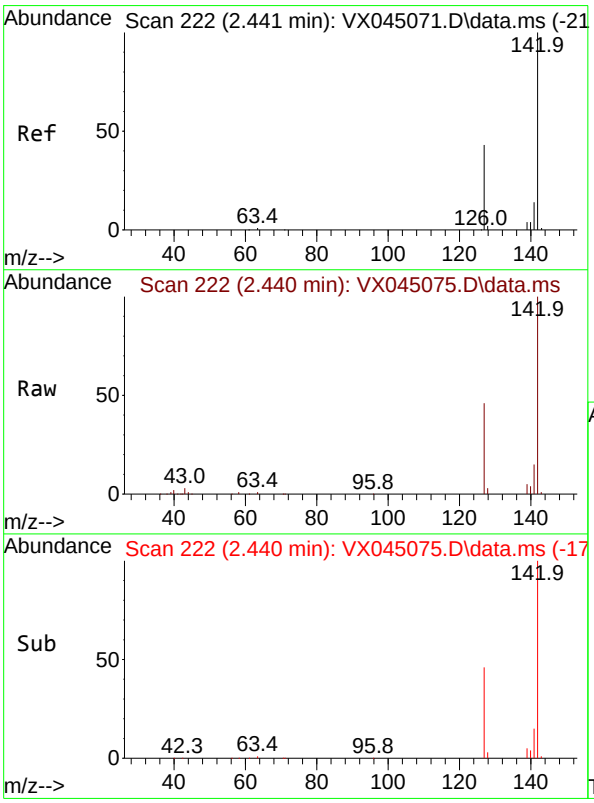
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:101 Resp: 59477

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6

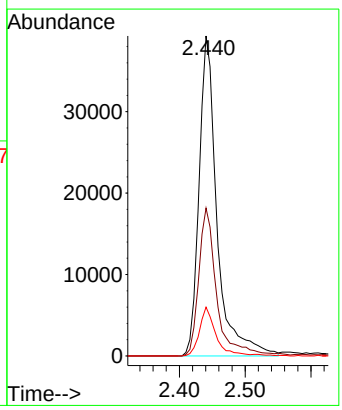


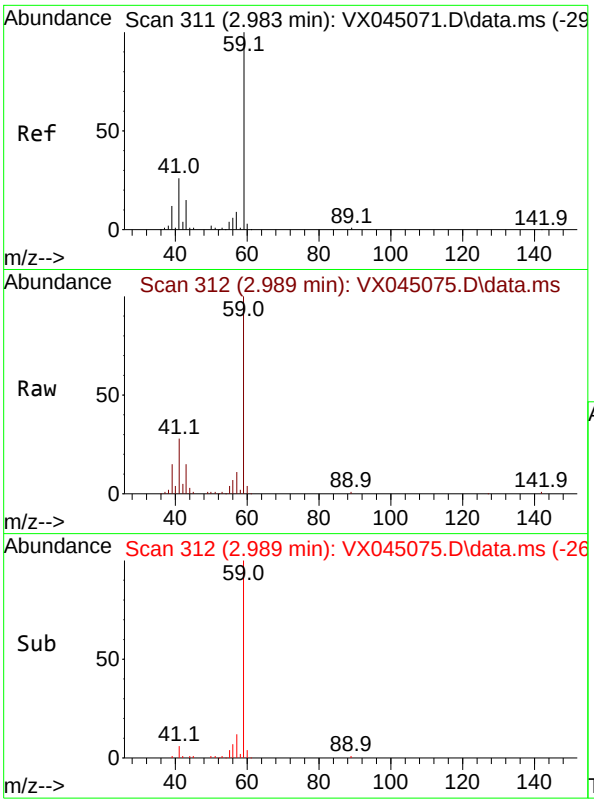


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:142 Resp: 74585

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	14.3	11.6	17.4



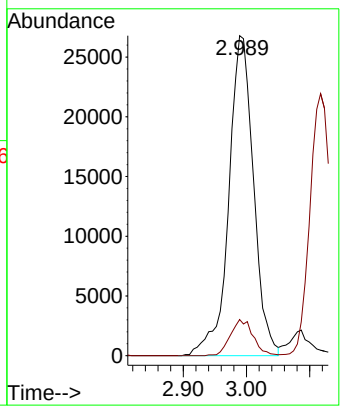


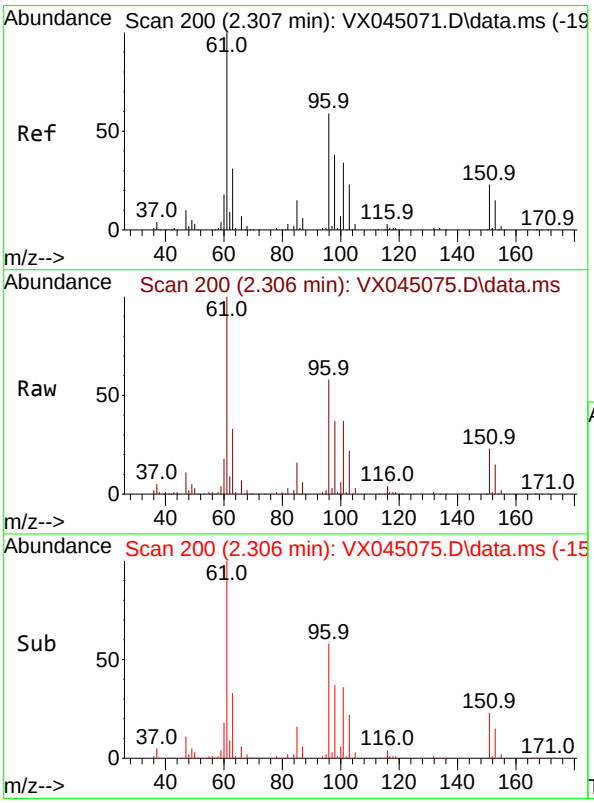
#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 59 Resp: 73034

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

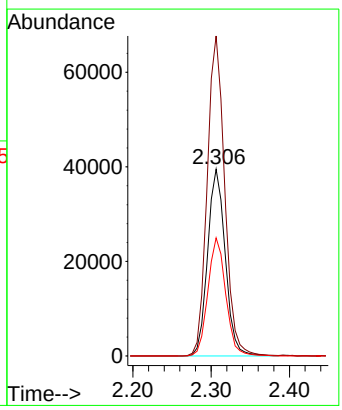


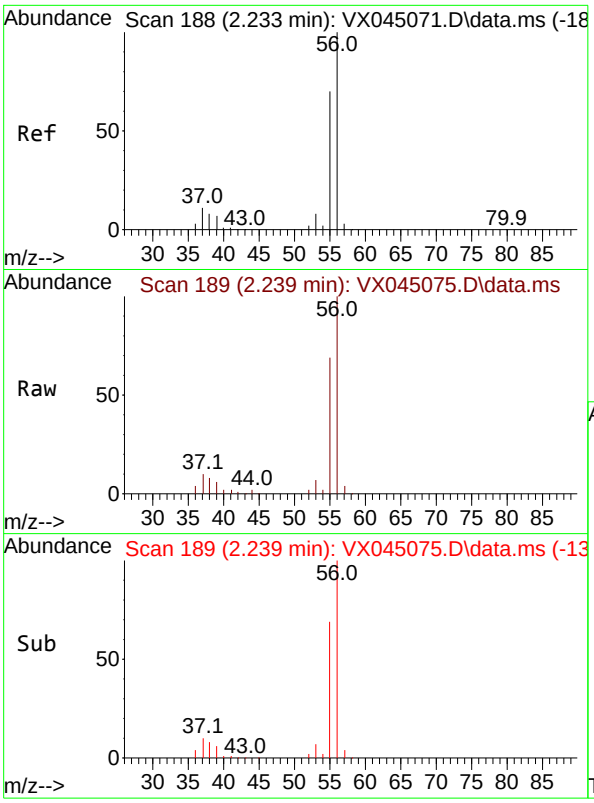


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 61885

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.2	51.0	76.6



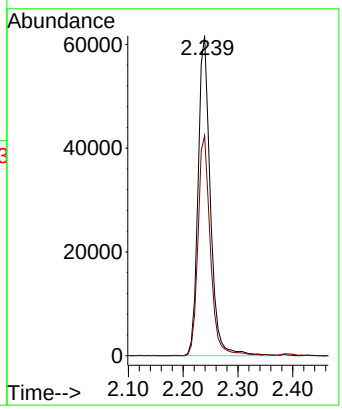


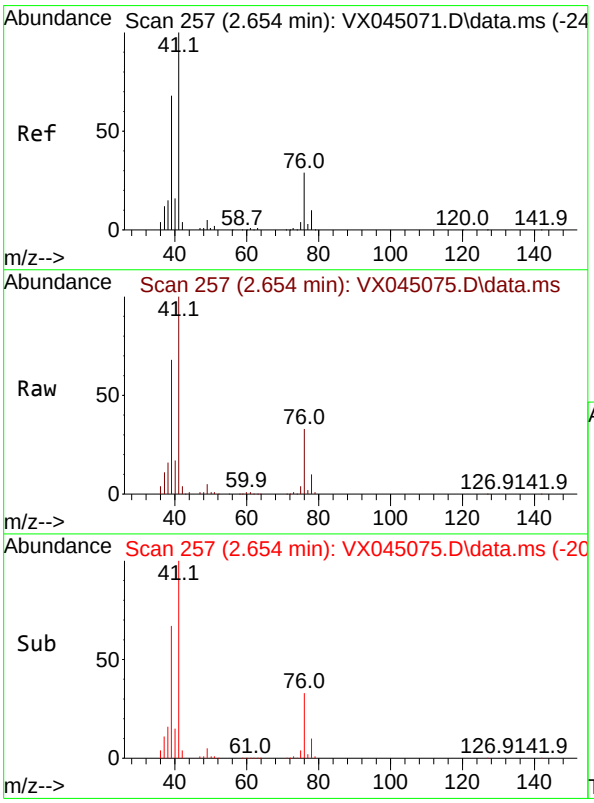
#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 56 Resp: 95989

Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4

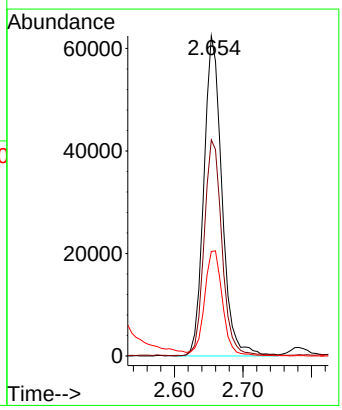


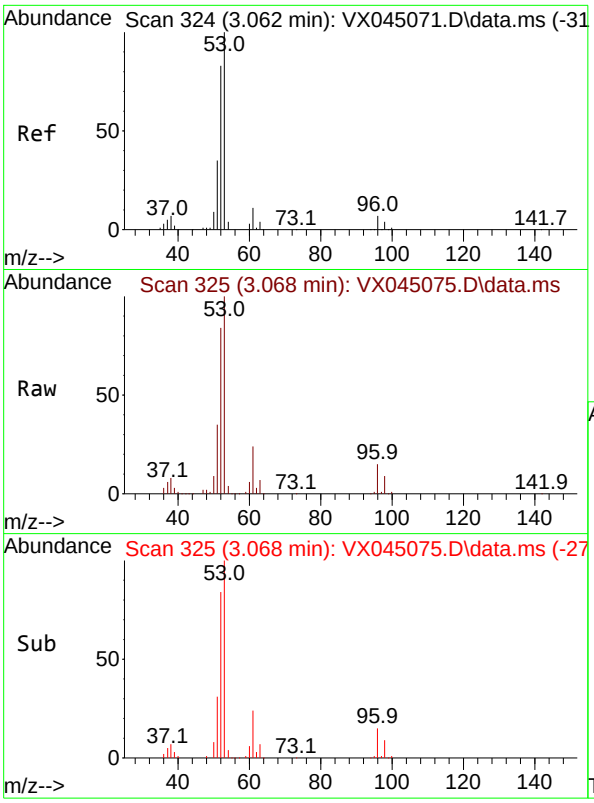


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 114875

Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.8	80.8
76	33.0	25.2	37.8



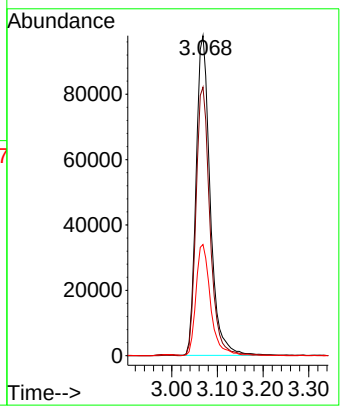


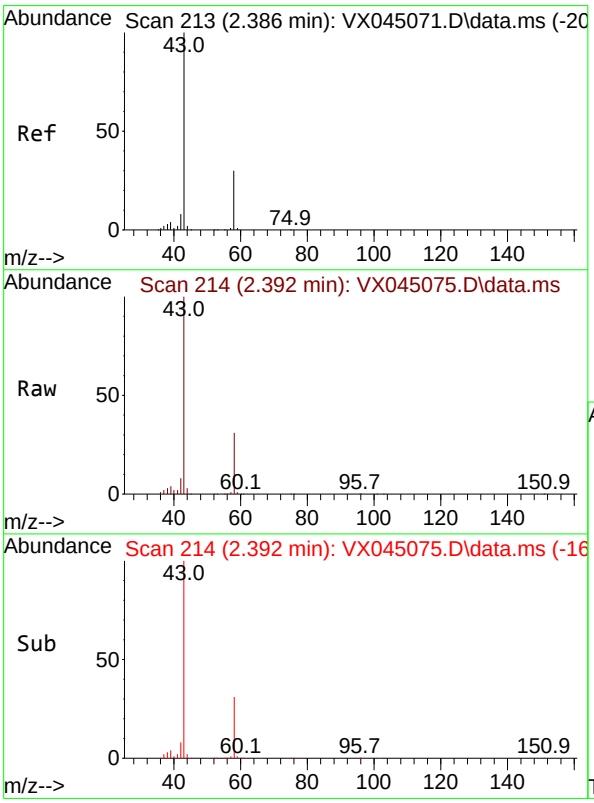
#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 53 Resp: 209607

Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.8	29.0	43.4

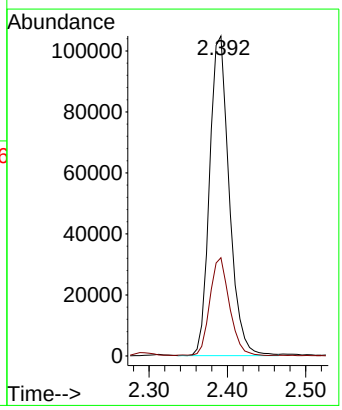


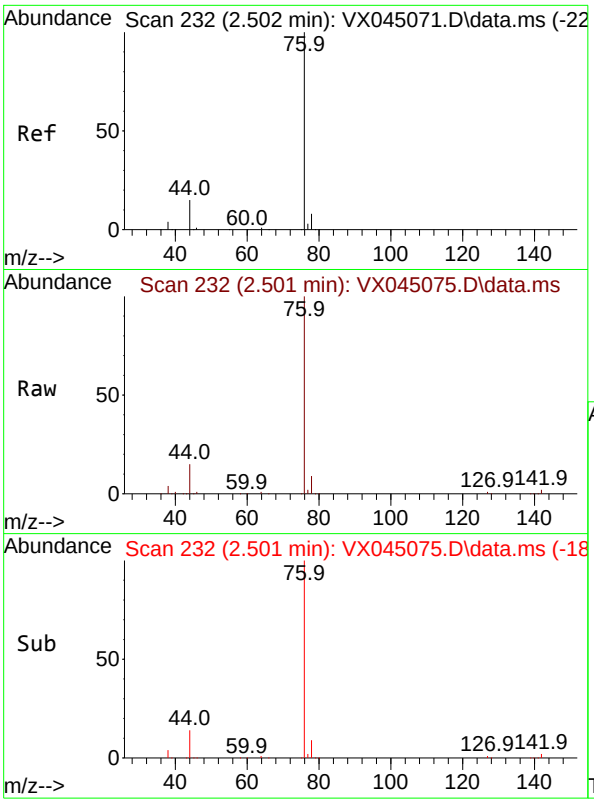


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4



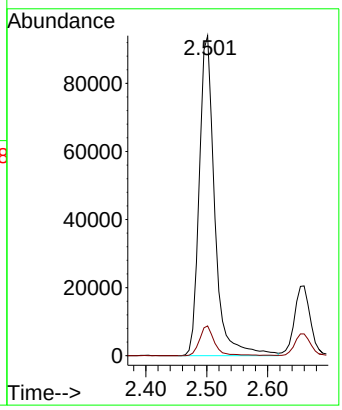


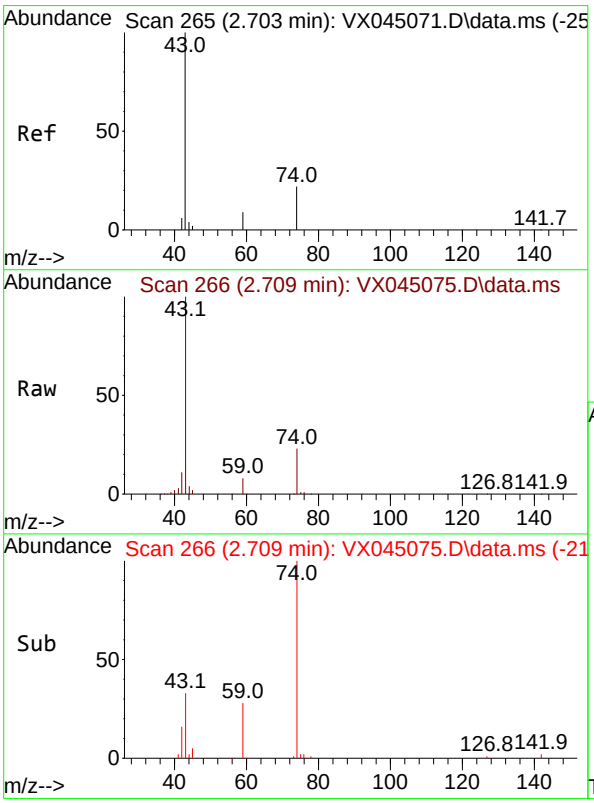
#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 76 Resp: 166105

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

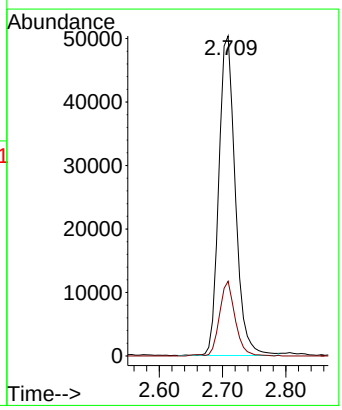


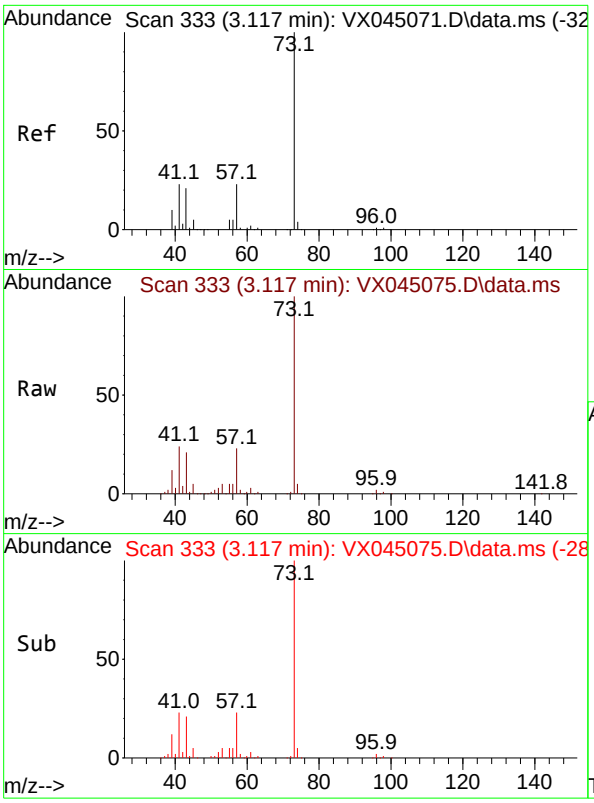


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



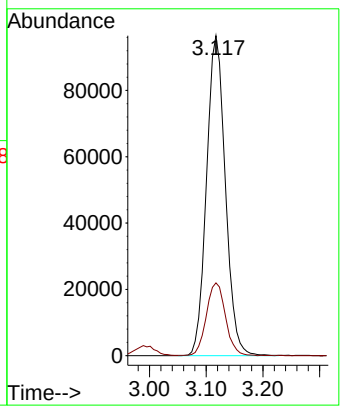


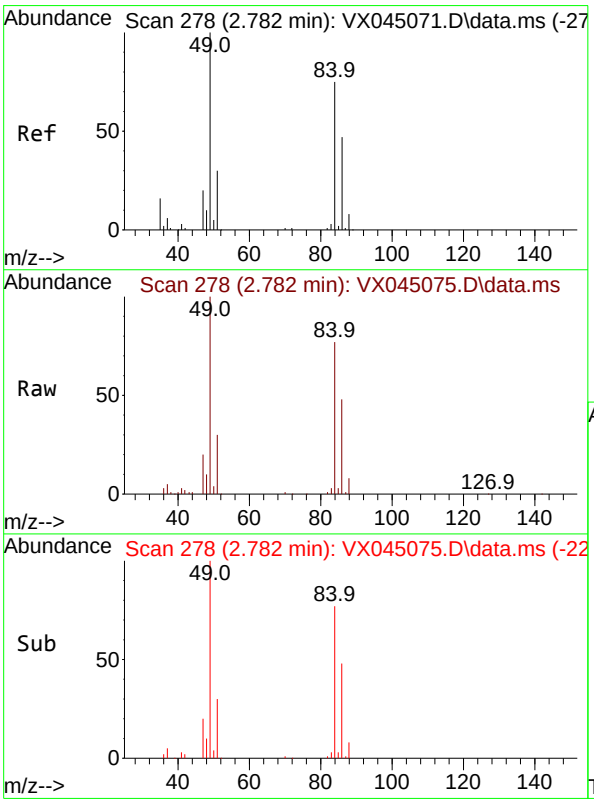
#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 73 Resp: 222475

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7

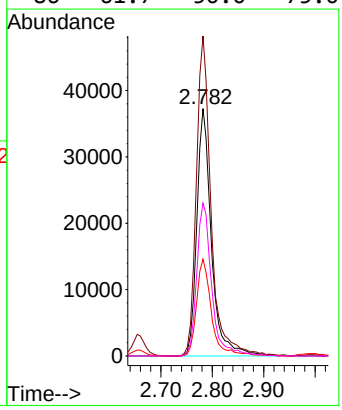


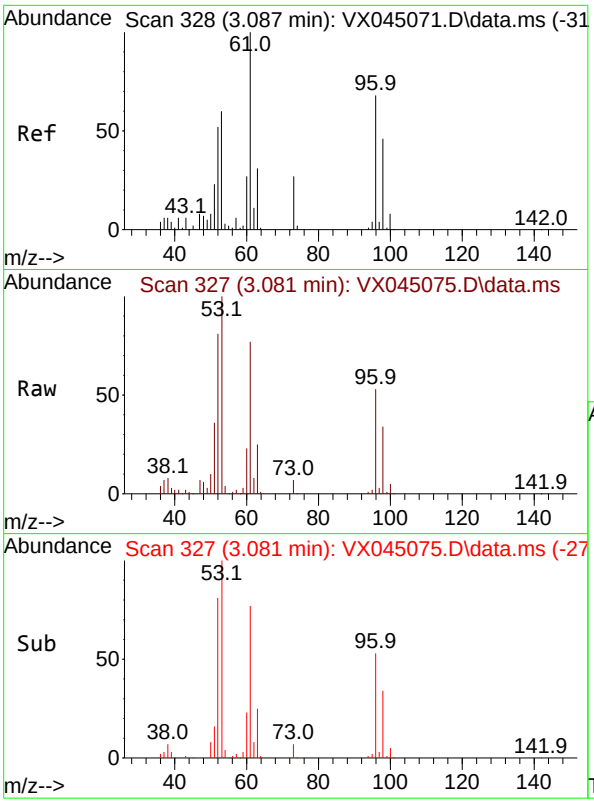


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 84 Resp: 73731

Ion	Ratio	Lower	Upper
84	100		
49	129.3	106.5	159.7
51	39.1	32.1	48.1
86	61.7	50.0	75.0



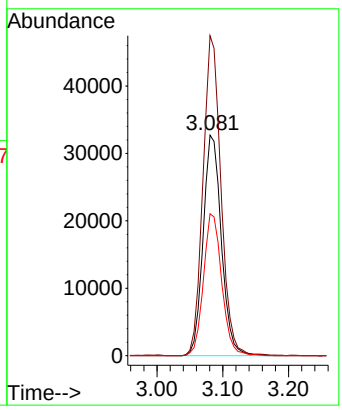


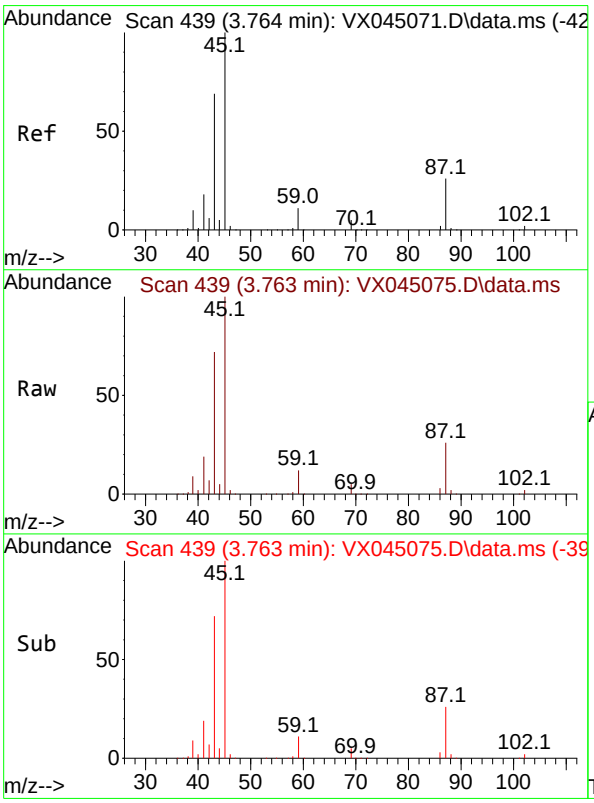
#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 96 Resp: 63117

Ion	Ratio	Lower	Upper
96	100		
61	145.2	117.0	175.4
98	64.4	53.4	80.2

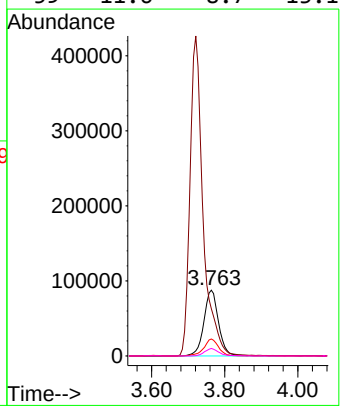


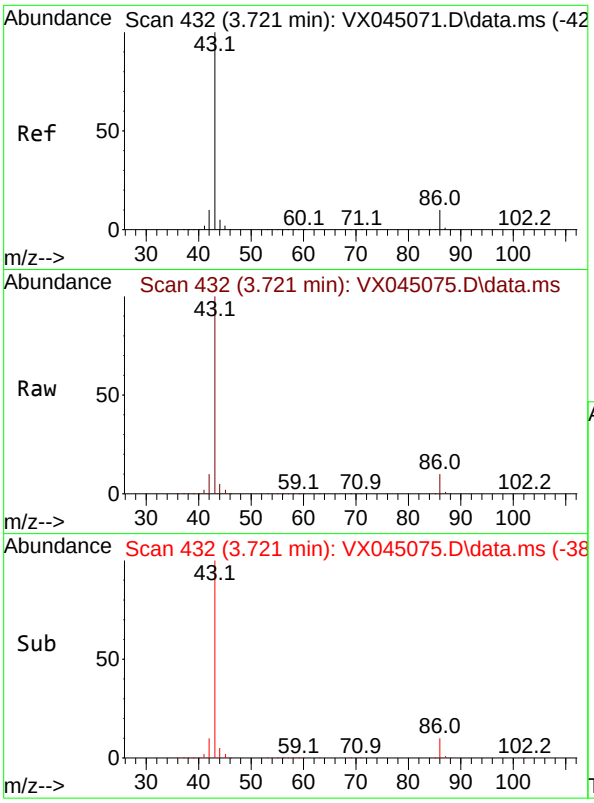


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 45 Resp: 243860

Ion	Ratio	Lower	Upper
45	100		
43	71.9	54.9	82.3
87	25.8	21.0	31.4
59	11.6	8.7	13.1



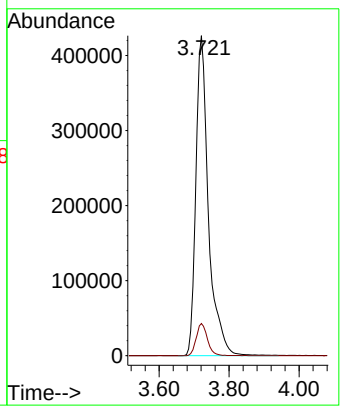


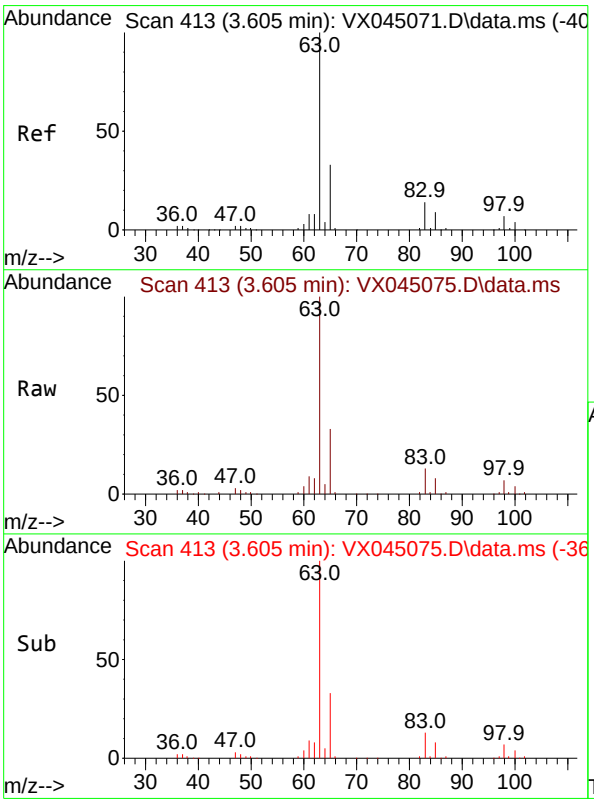
#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 1064817

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

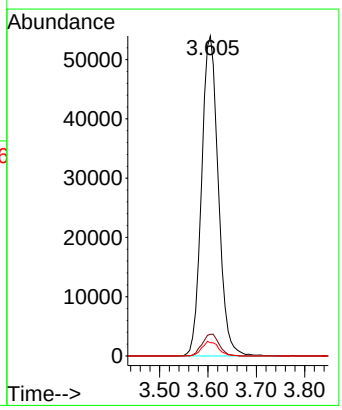


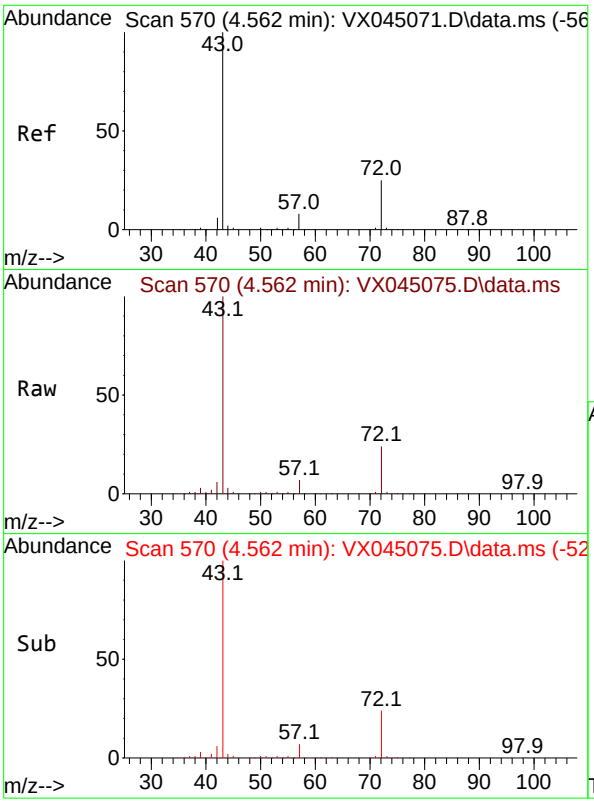


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 129666

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.1	2.1	6.5



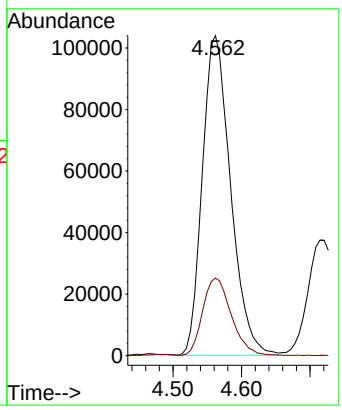


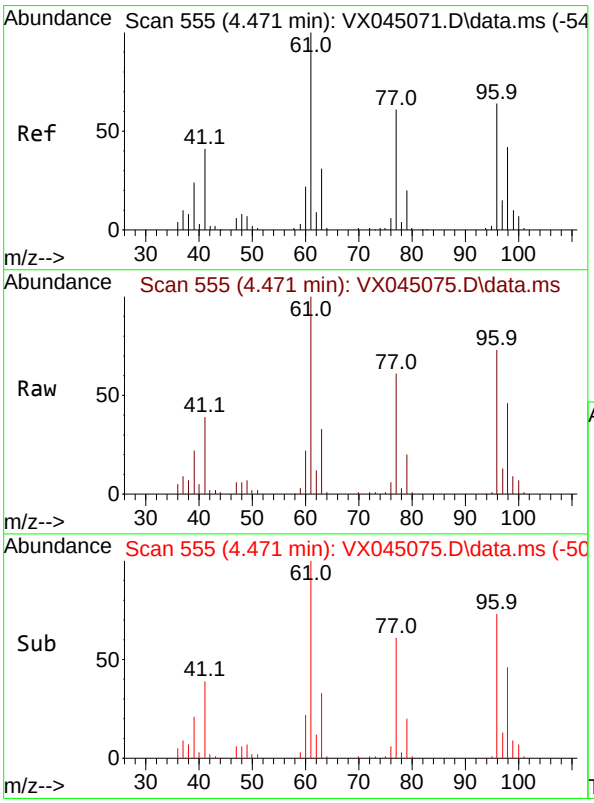
#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 298021

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0

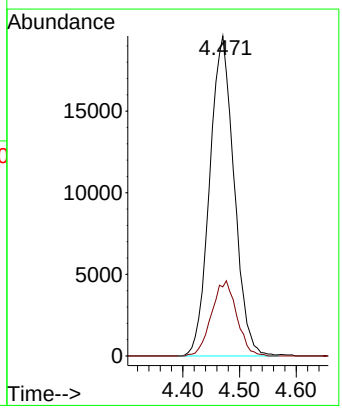


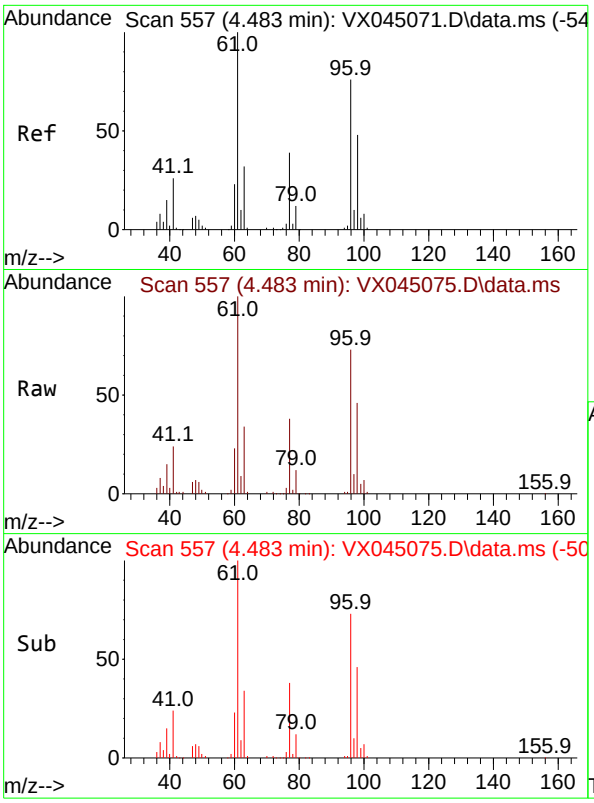


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



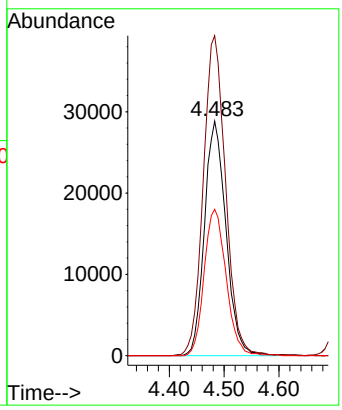


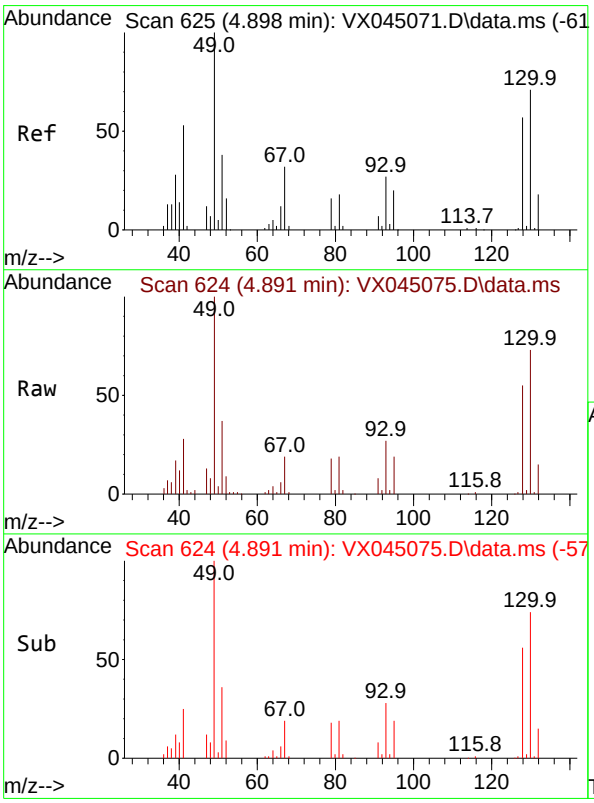
#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 96 Resp: 78576

Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.2
98	63.8	0.0	128.0

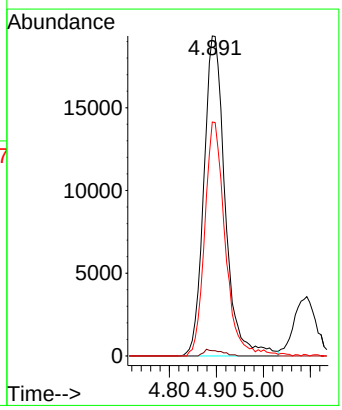


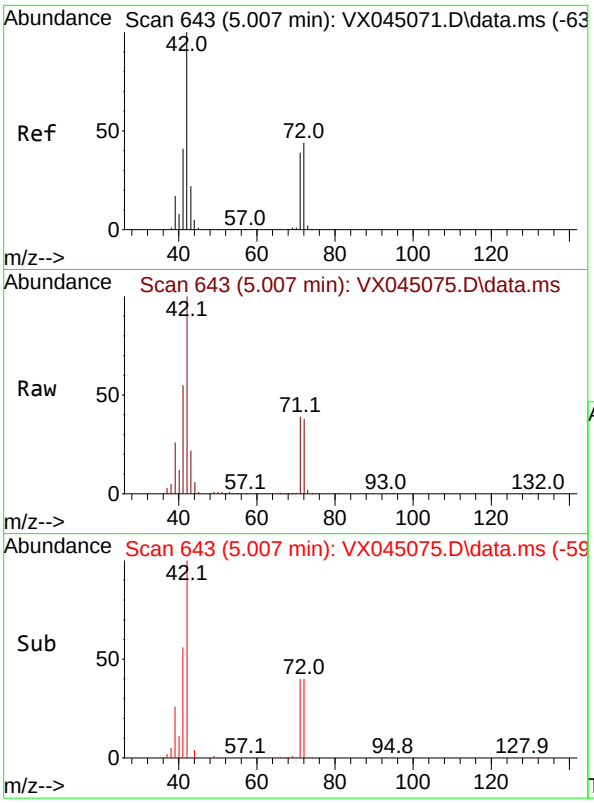


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 49 Resp: 60849

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.0	56.1	84.1



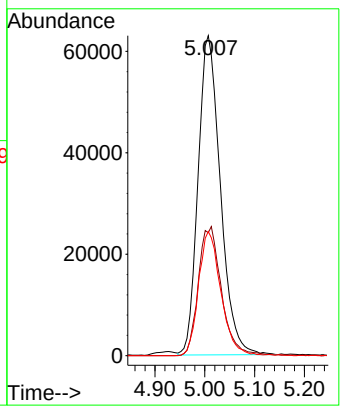


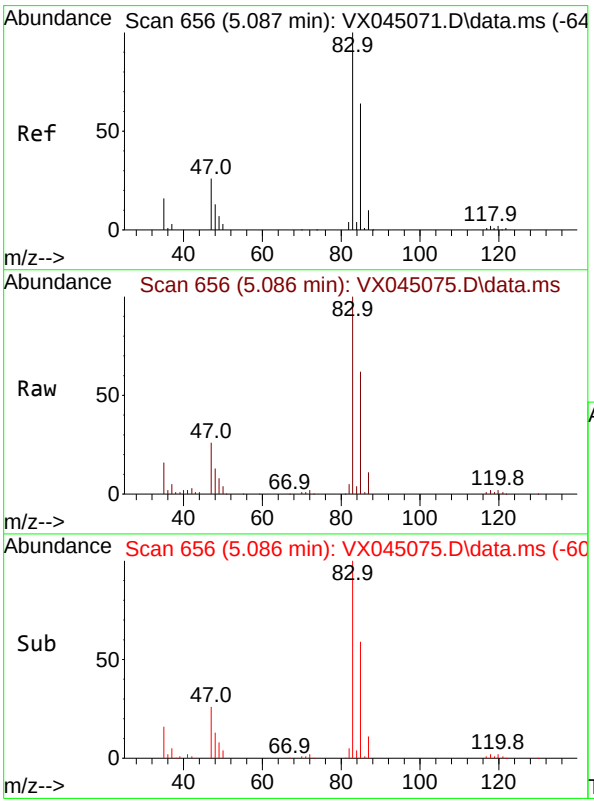
#29
Tetrahydrofuran
Concen: 258.277 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 42 Resp: 195768

Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0

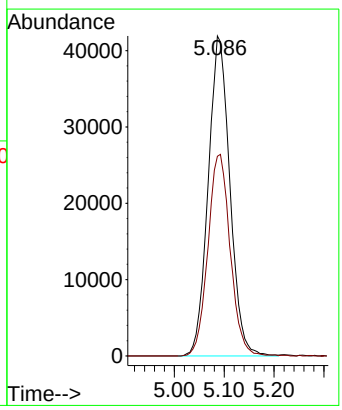


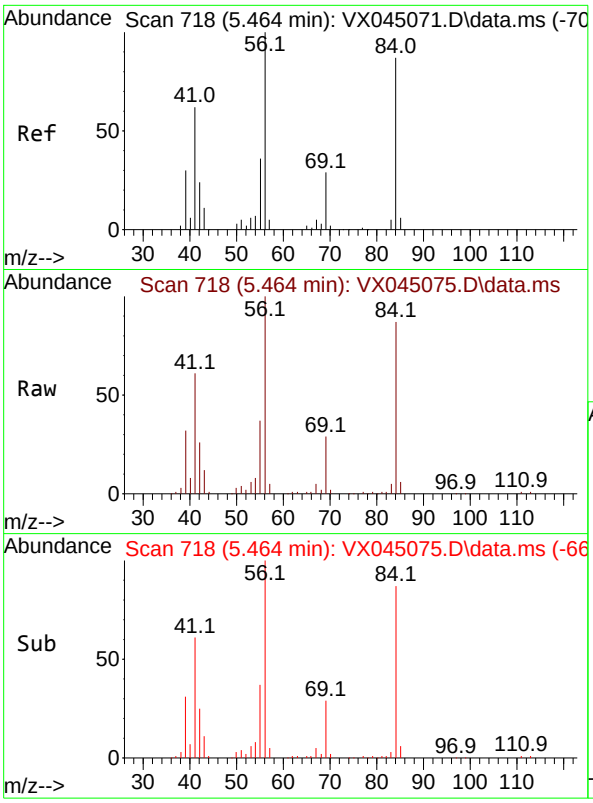


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2



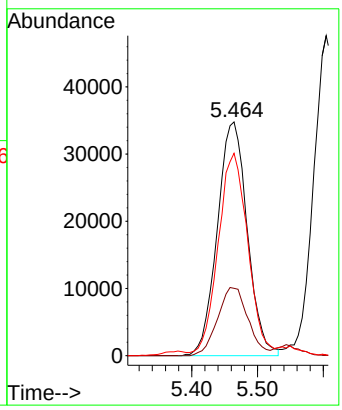


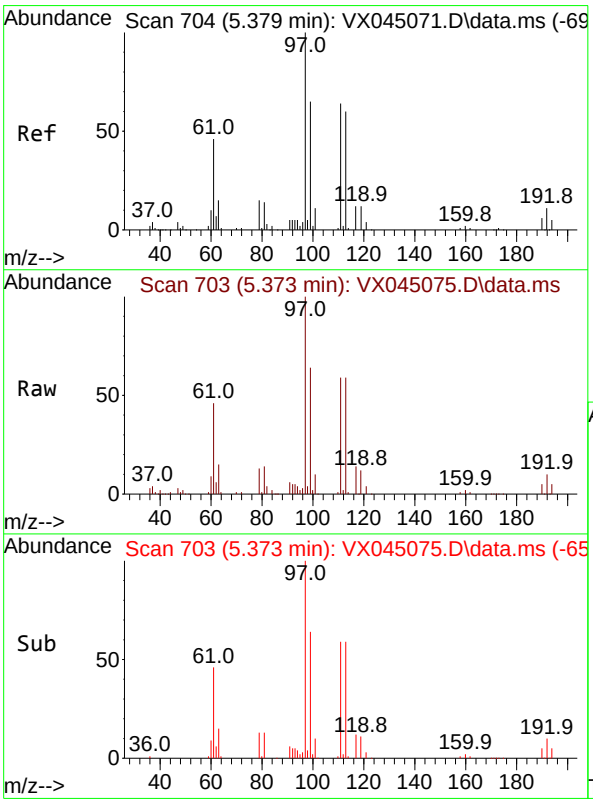
#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 56 Resp: 110288

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	84.6	69.4	104.2

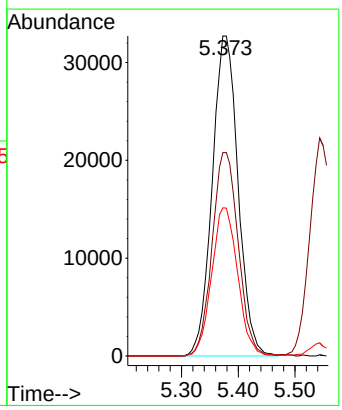


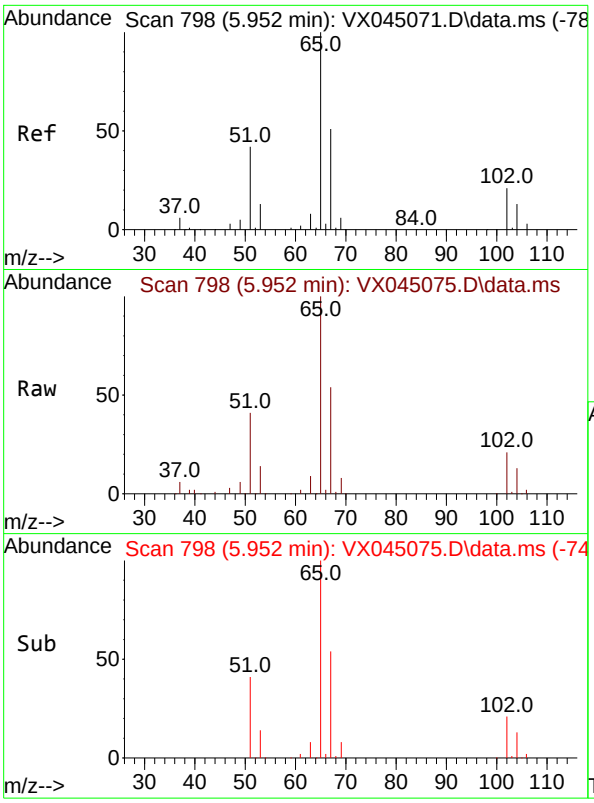


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 103546

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.7	38.4	57.6



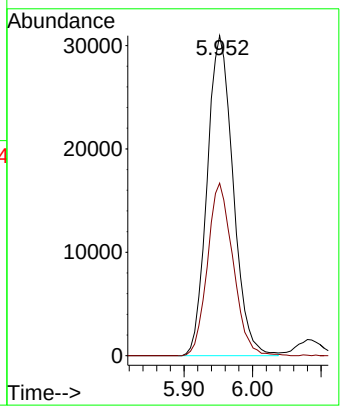


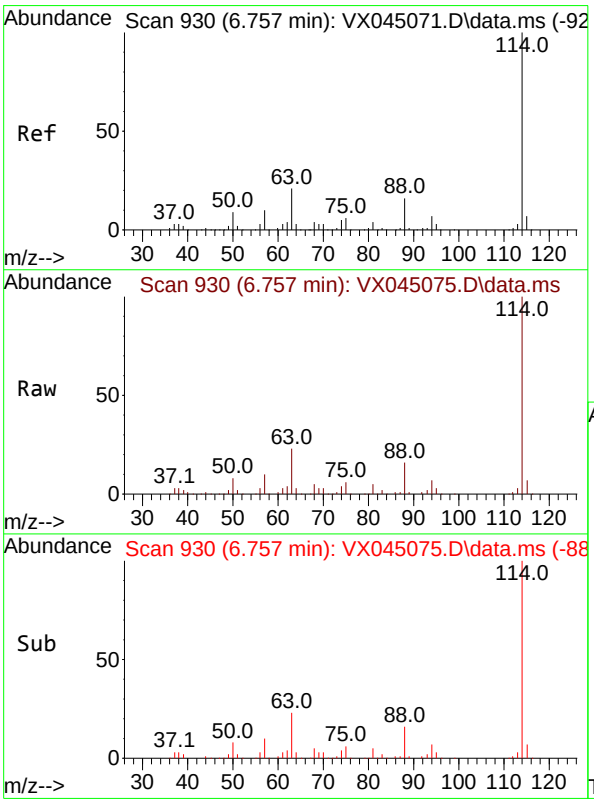
#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 65 Resp: 81288

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

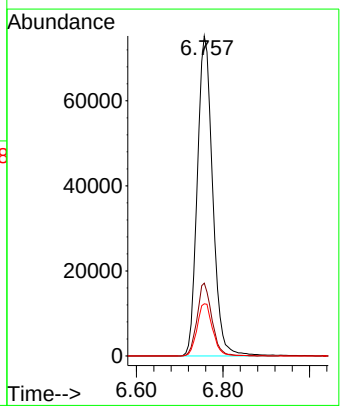


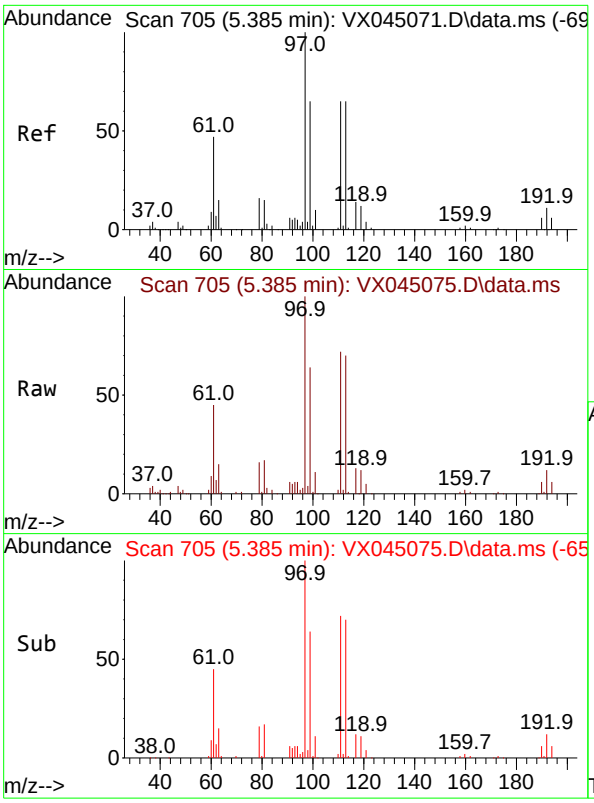


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:114 Resp: 184964

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.8
88	16.3	0.0	32.8



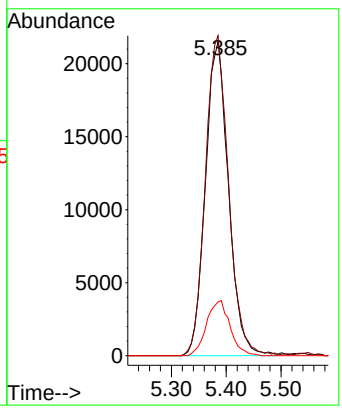


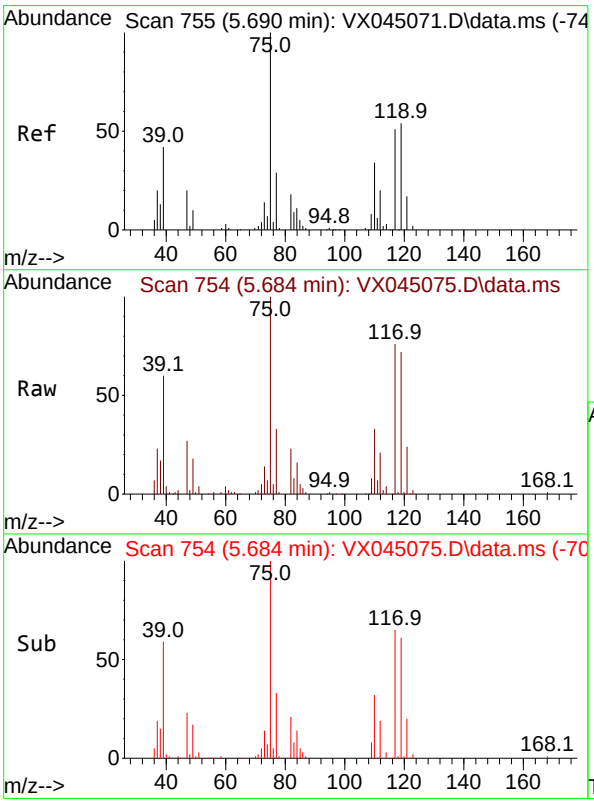
#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:113 Resp: 62880

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.8	14.3	21.5

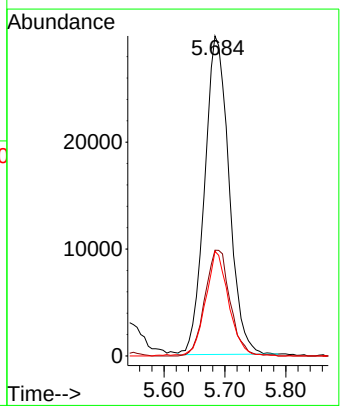


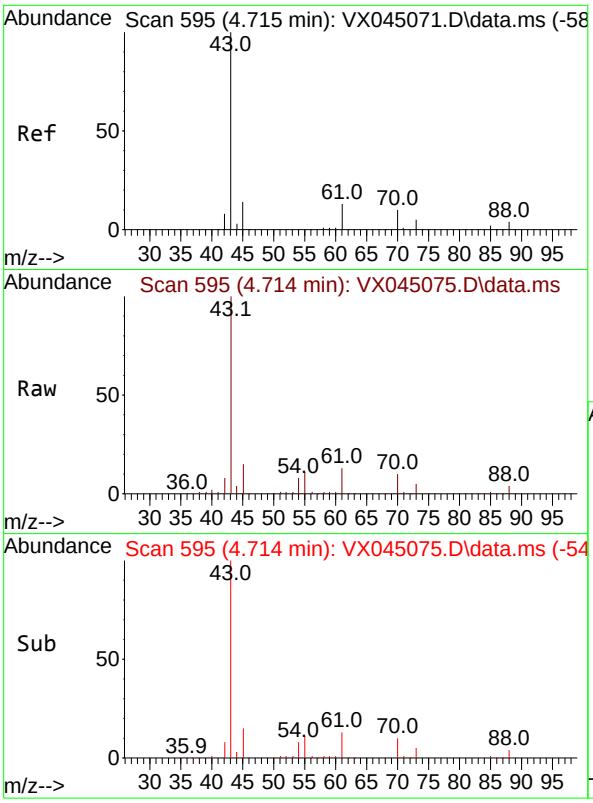


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 82722

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	31.2	24.5	36.7



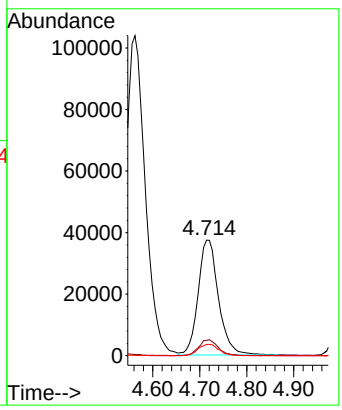


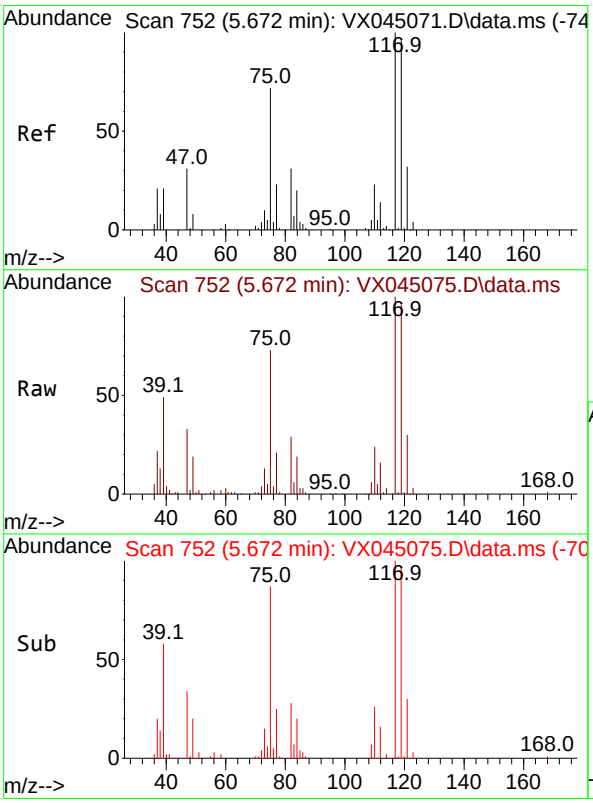
#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 112768

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.1	7.7	11.5

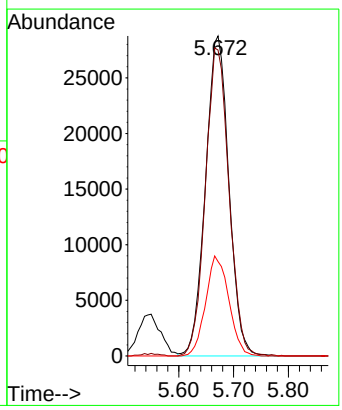


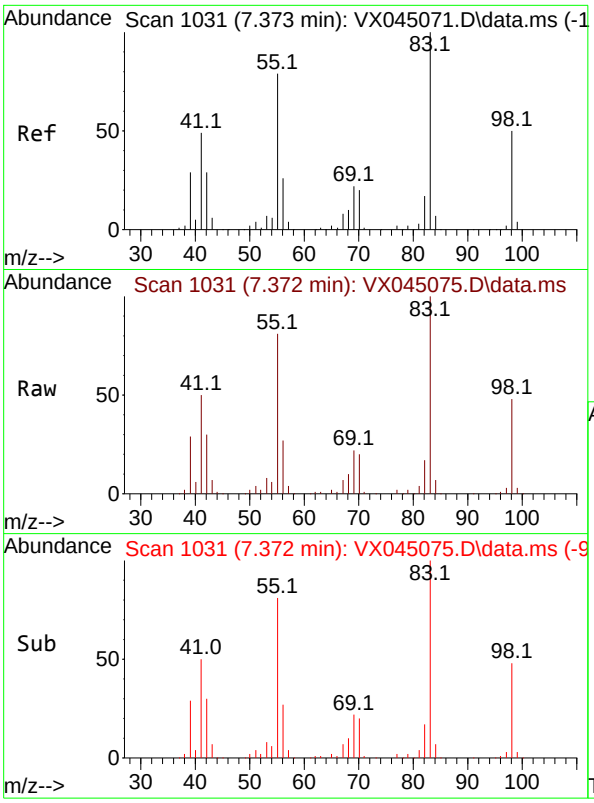


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 85110

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
121	29.5	25.5	38.3



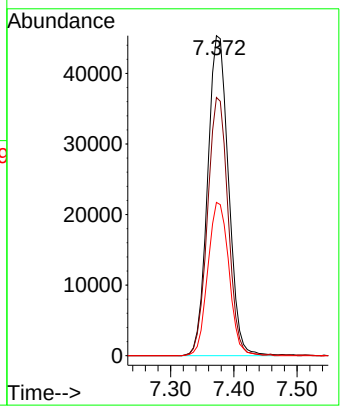


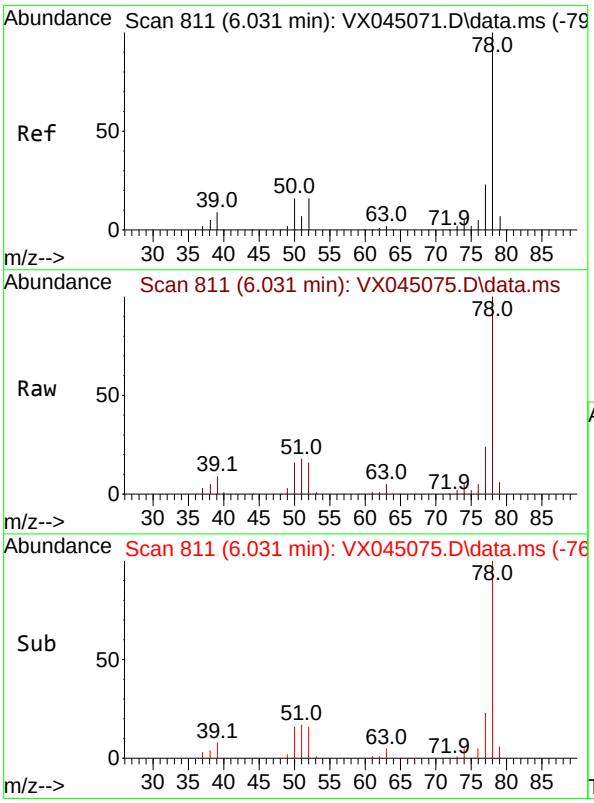
#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 83 Resp: 103996

Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.0	94.4
98	47.9	39.7	59.5

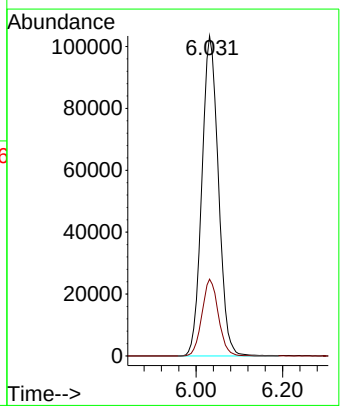


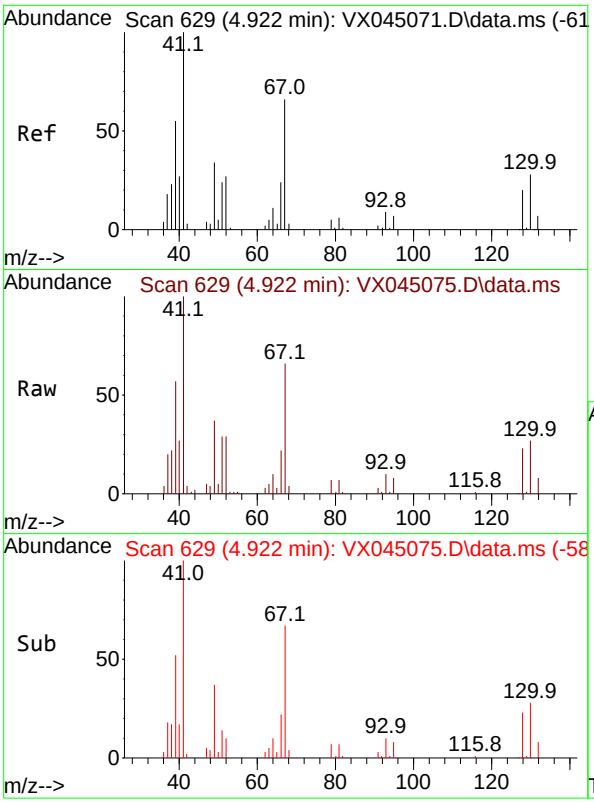


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



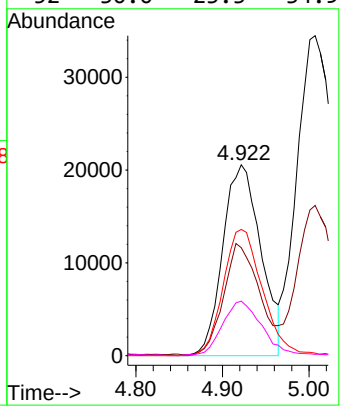


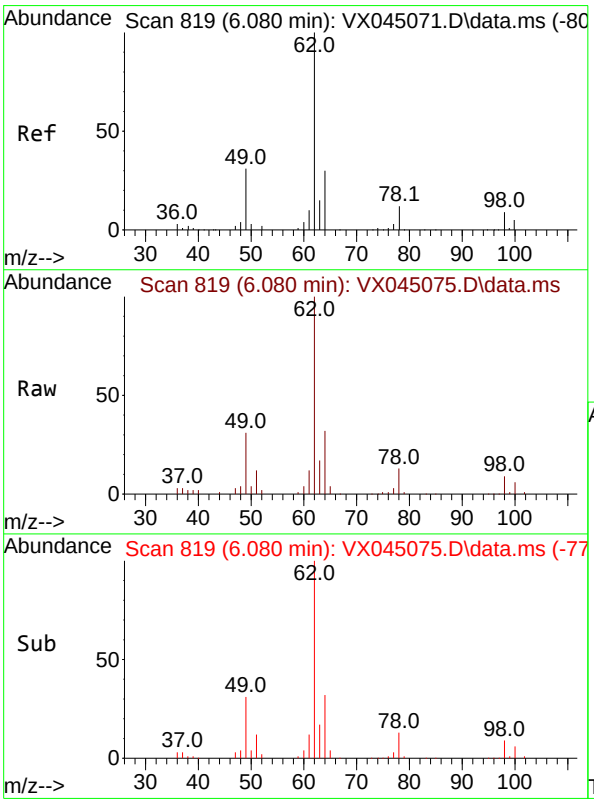
#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 41 Resp: 63051

Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.6	67.0
67	68.1	53.9	80.9
52	30.0	23.3	34.9

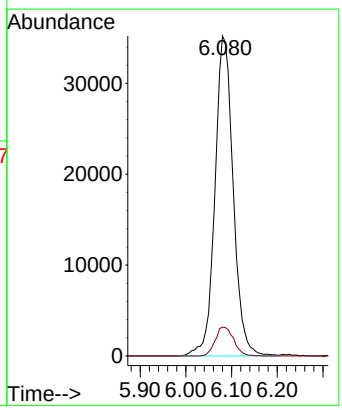


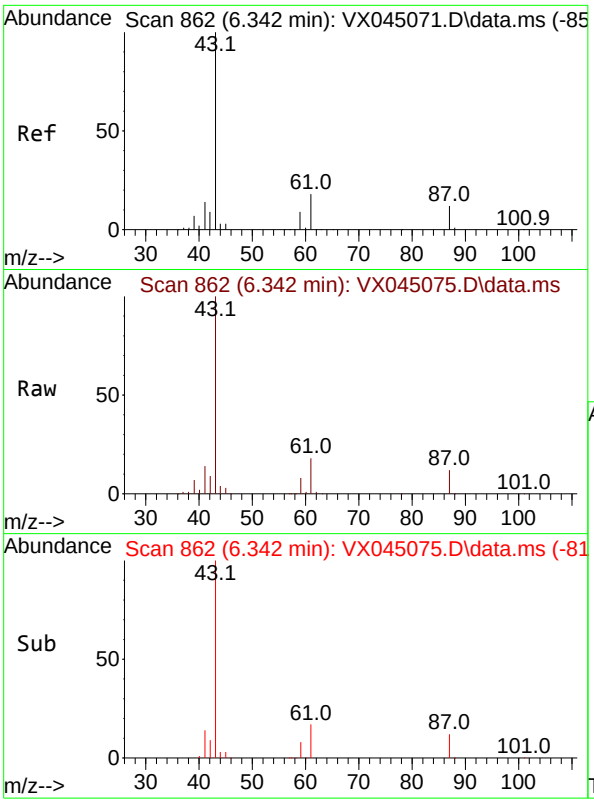


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



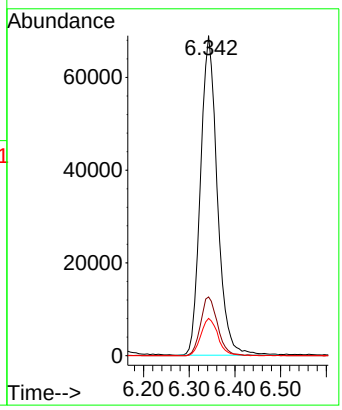


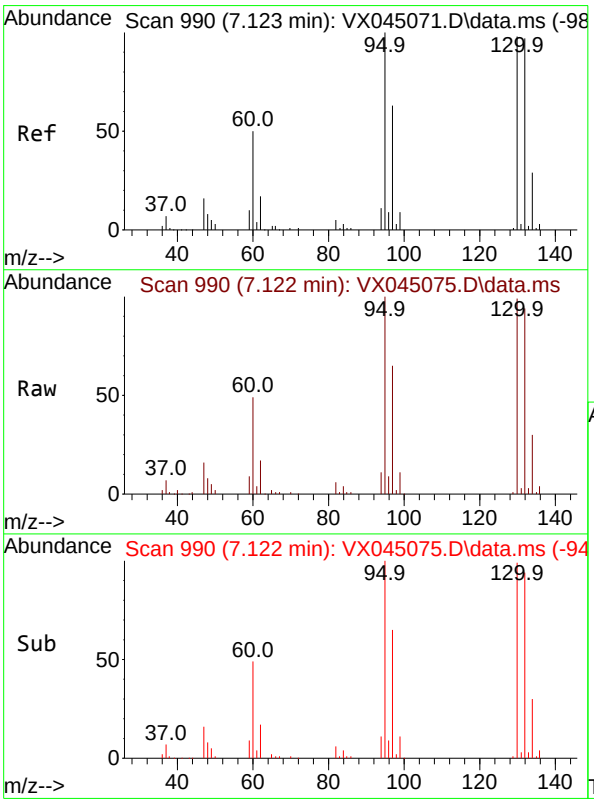
#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 175982

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2

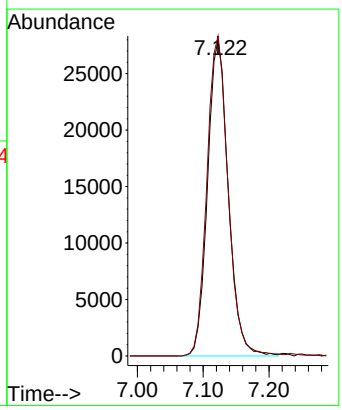


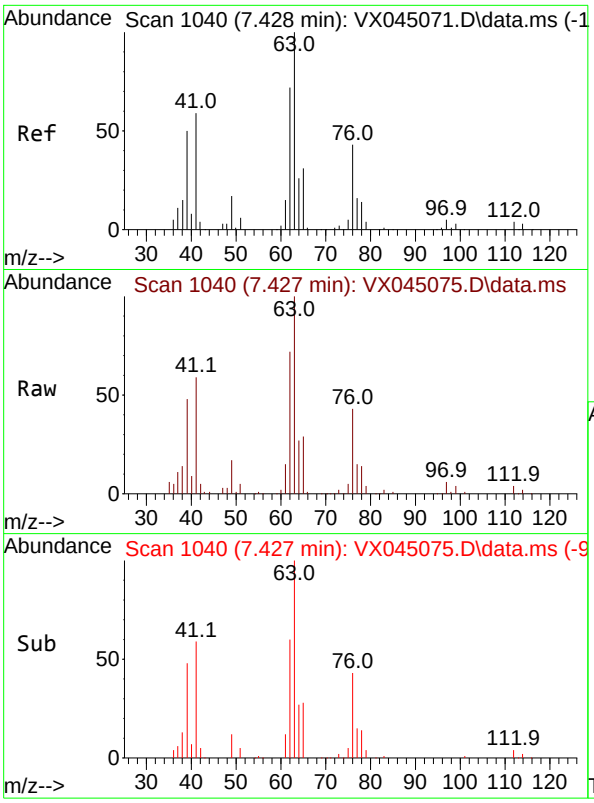


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0



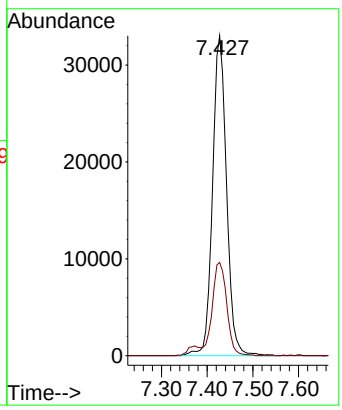


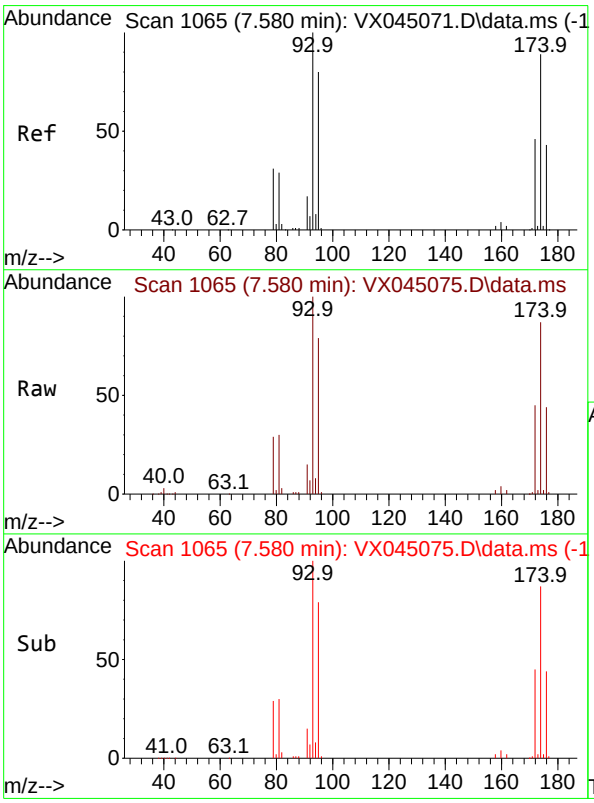
#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 63 Resp: 70350

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

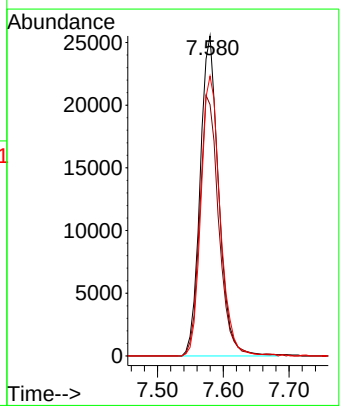


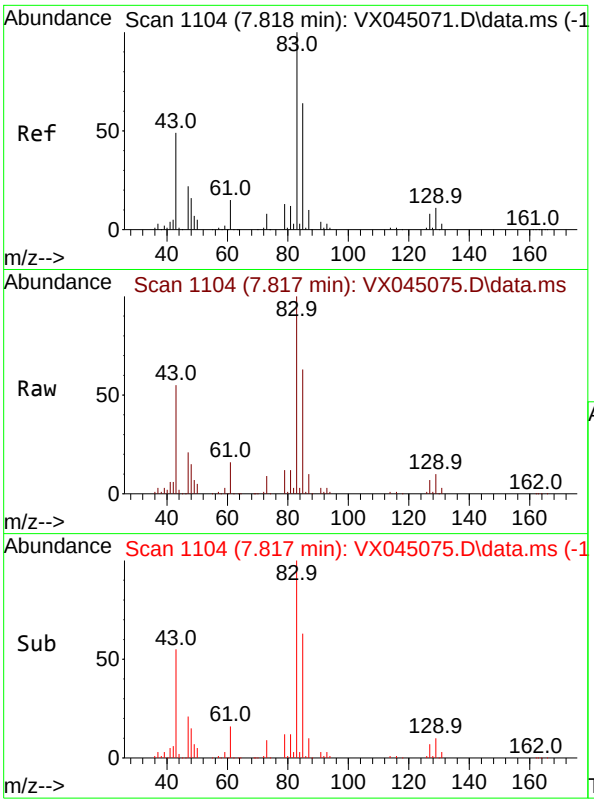


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 93 Resp: 50284

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.8	98.8
174	89.4	72.2	108.2



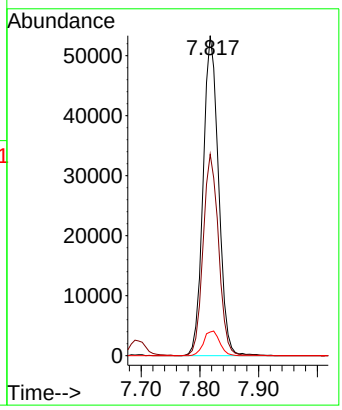


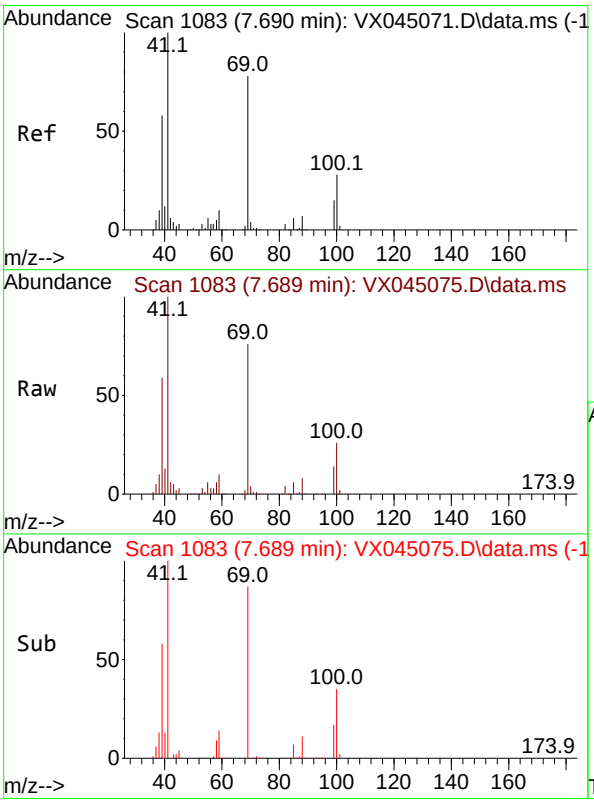
#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 83 Resp: 97236

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.4	6.4	9.6

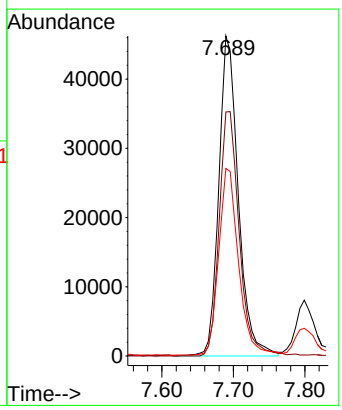


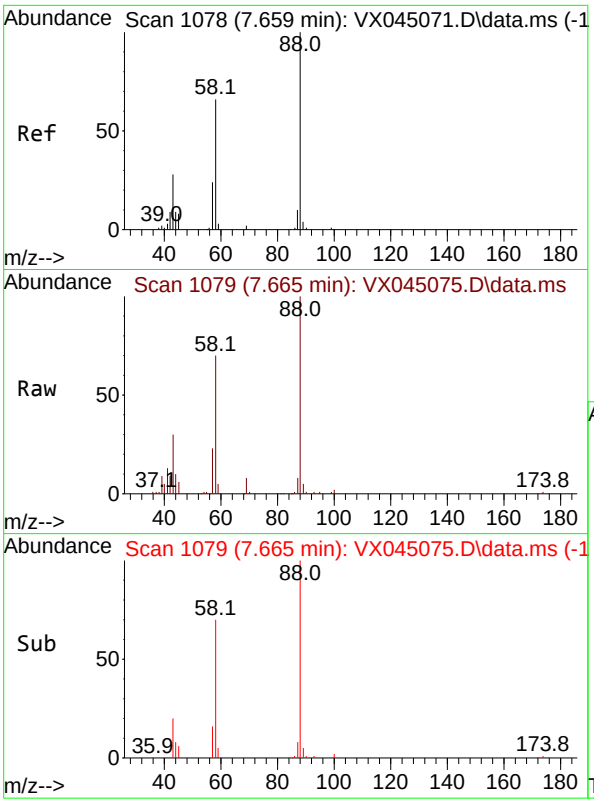


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 87582

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	59.4	47.5	71.3



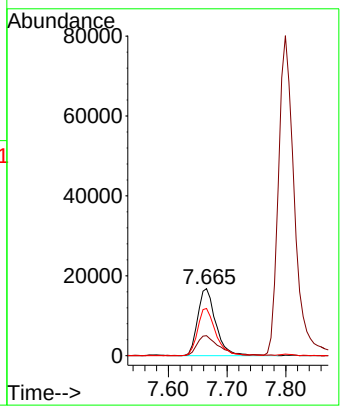


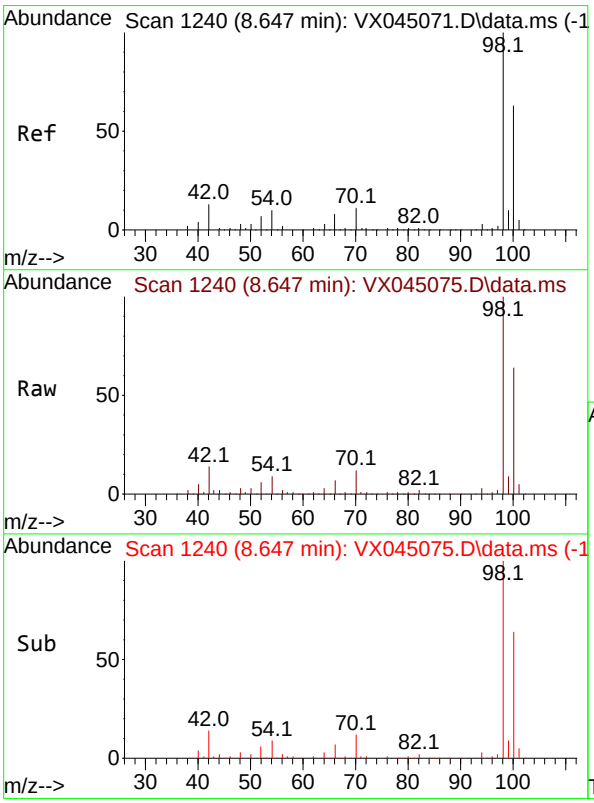
#49
1,4-Dioxane
Concen: 1049.007 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 88 Resp: 35878

Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.7	43.1
58	70.8	55.8	83.8

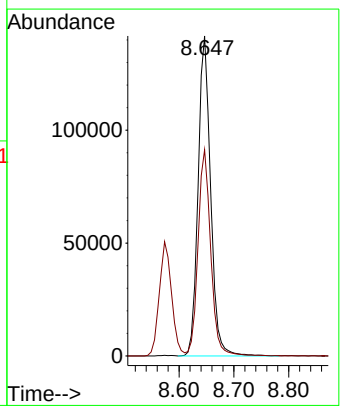


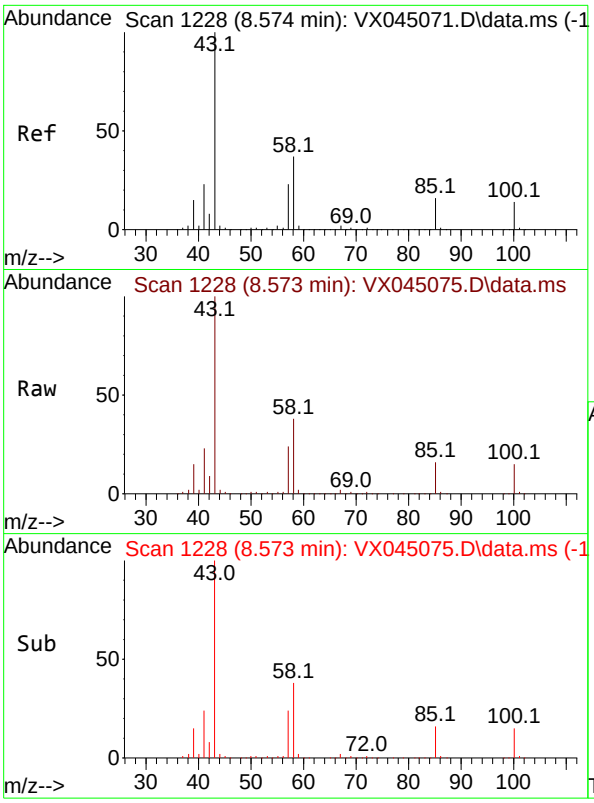


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 98 Resp: 225823

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0



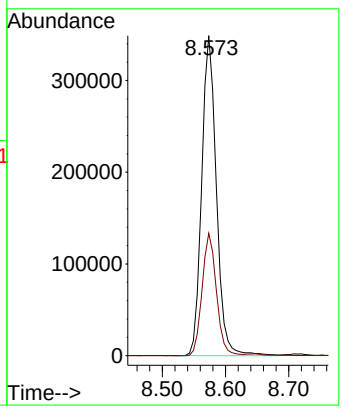


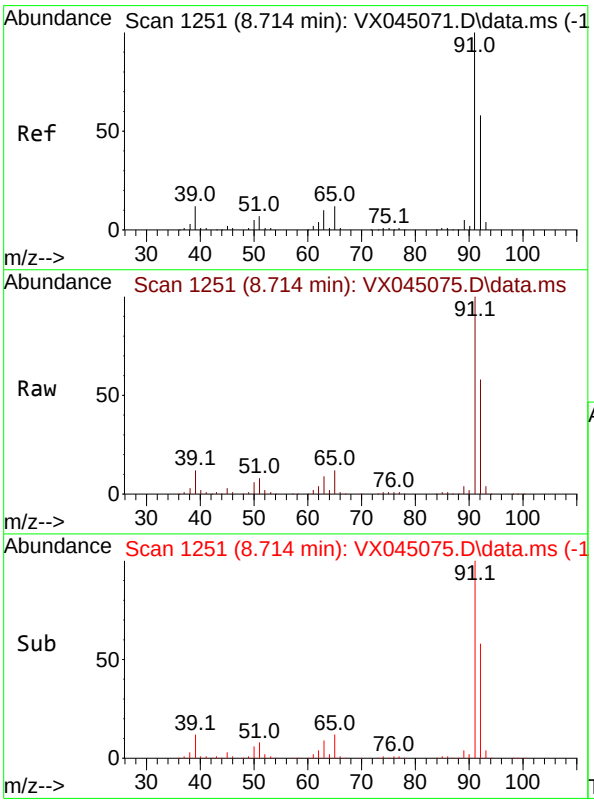
#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 564197

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8

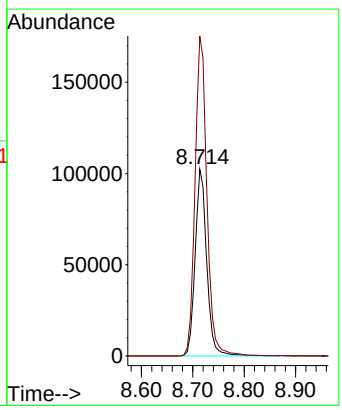


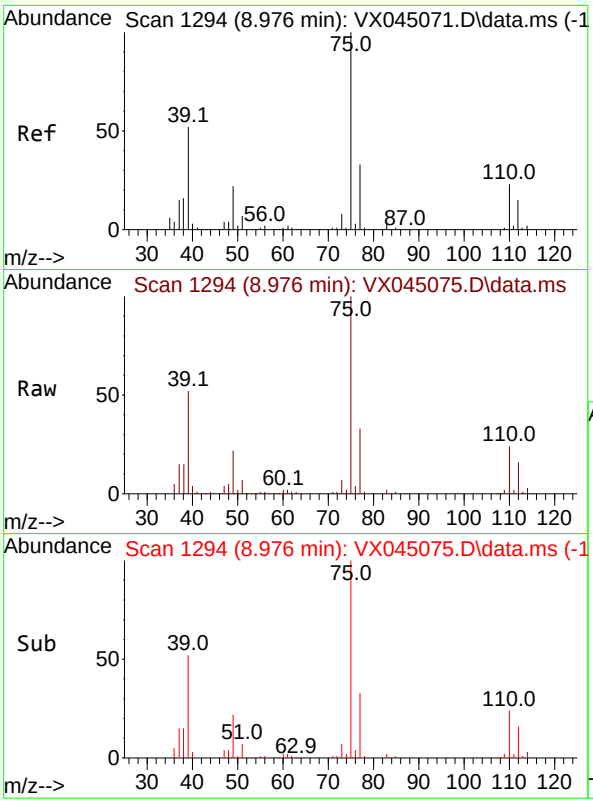


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3



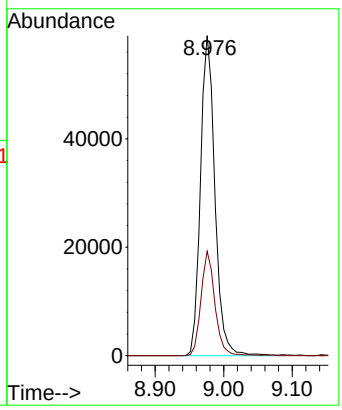


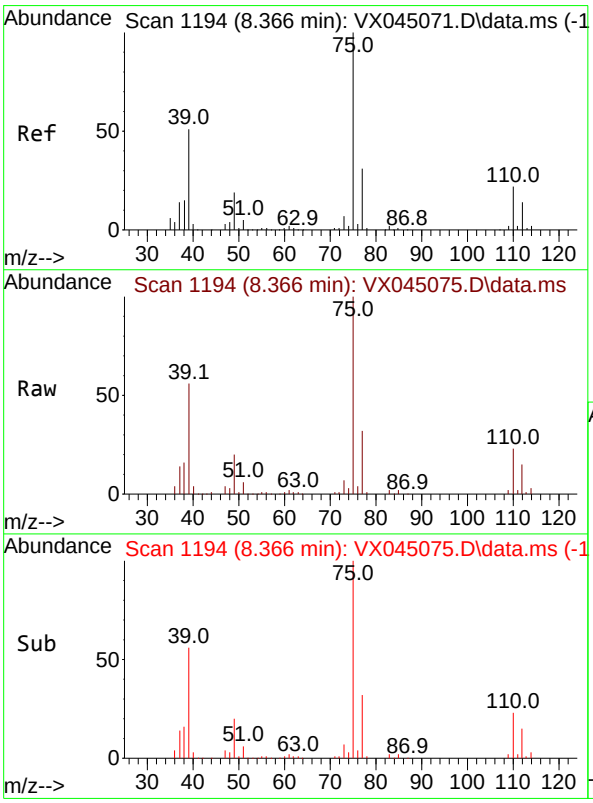
#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 75 Resp: 86584

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7

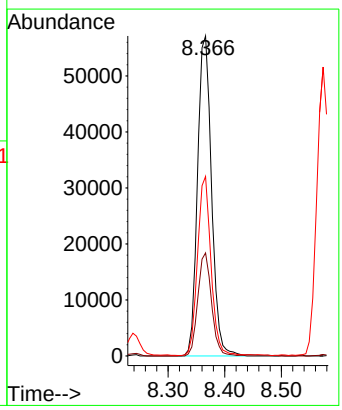


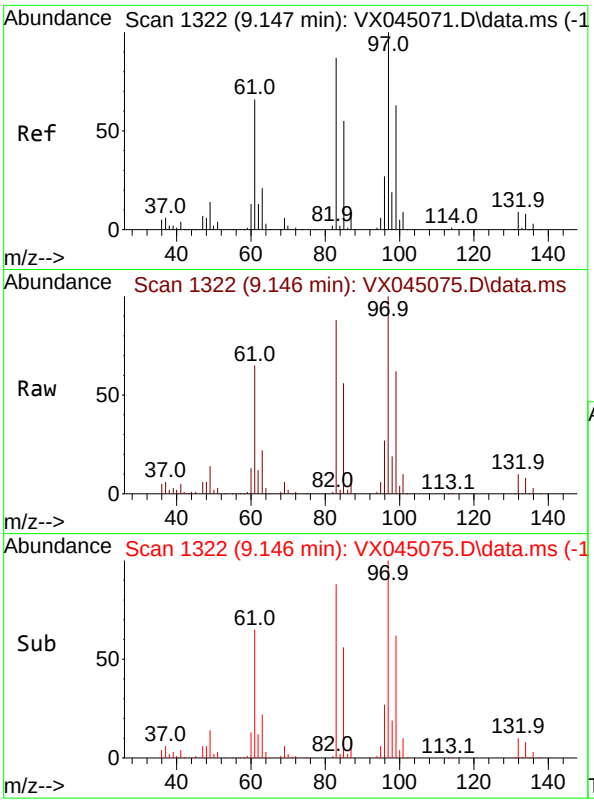


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 98146

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.7	37.1
39	56.0	40.7	61.1



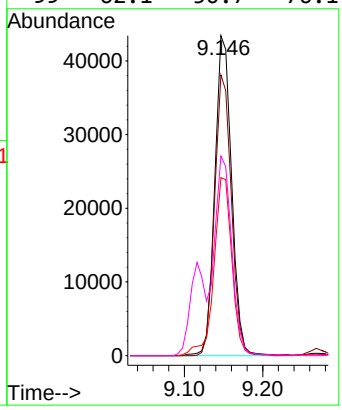


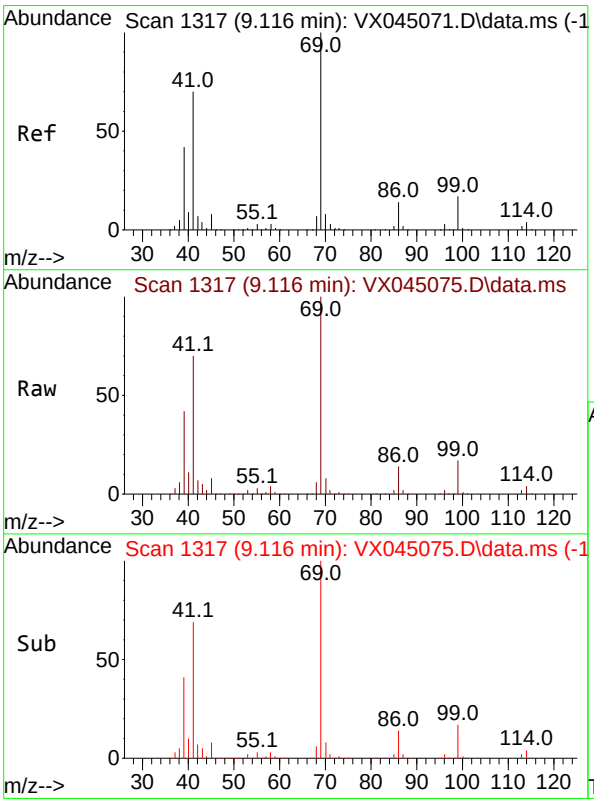
#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 97 Resp: 64985

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	55.6	44.1	66.1
99	62.1	50.7	76.1

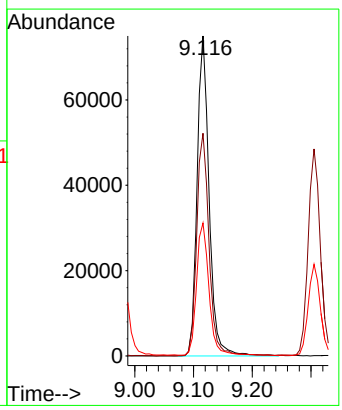


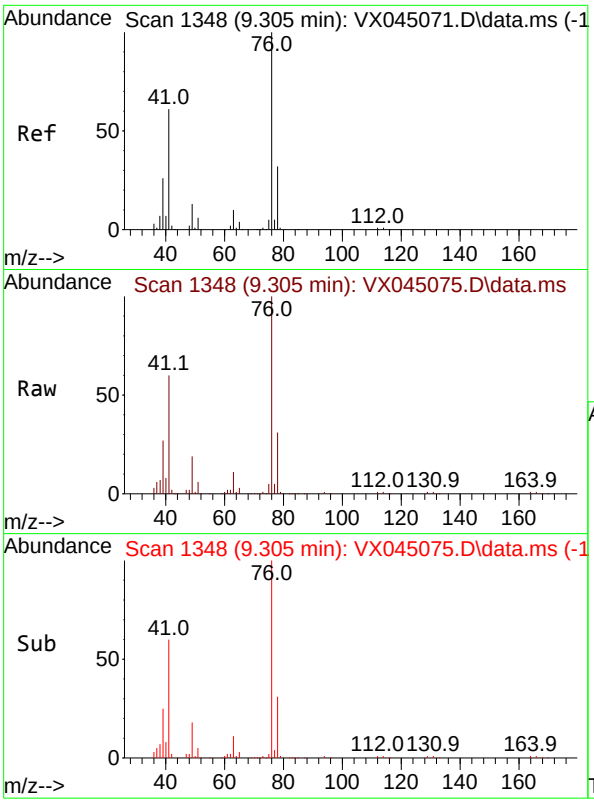


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 69 Resp: 106405

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	43.2	34.2	51.4



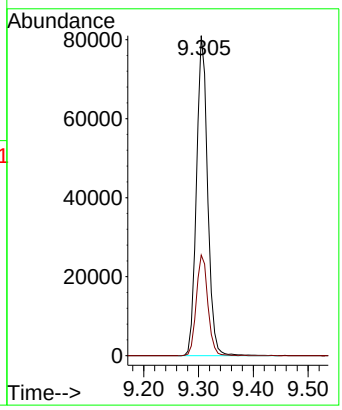


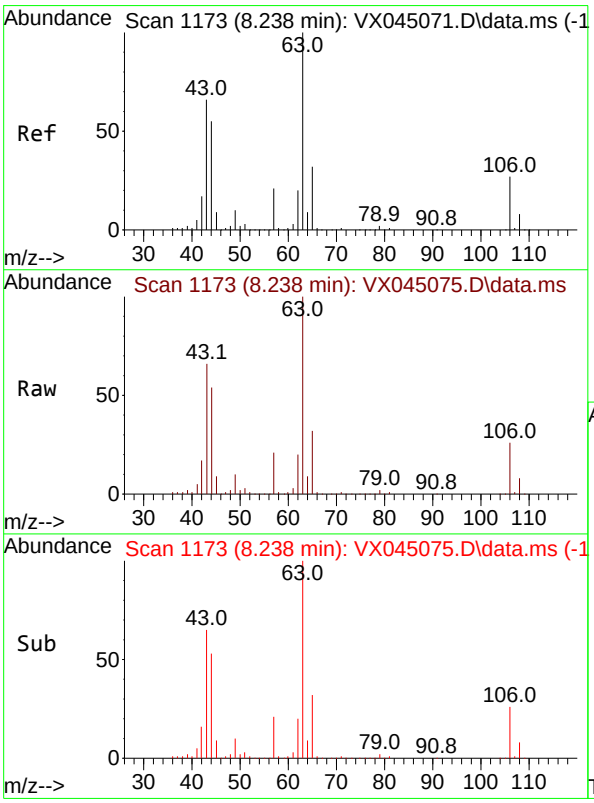
#57
1,3-Dichloropropane
Concen: 51.312 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 76 Resp: 114880

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

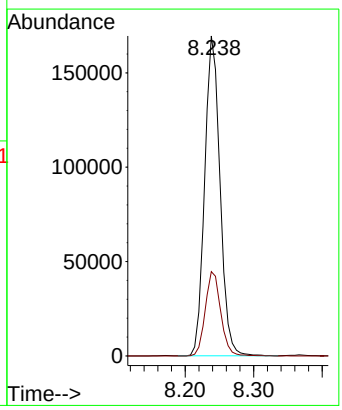


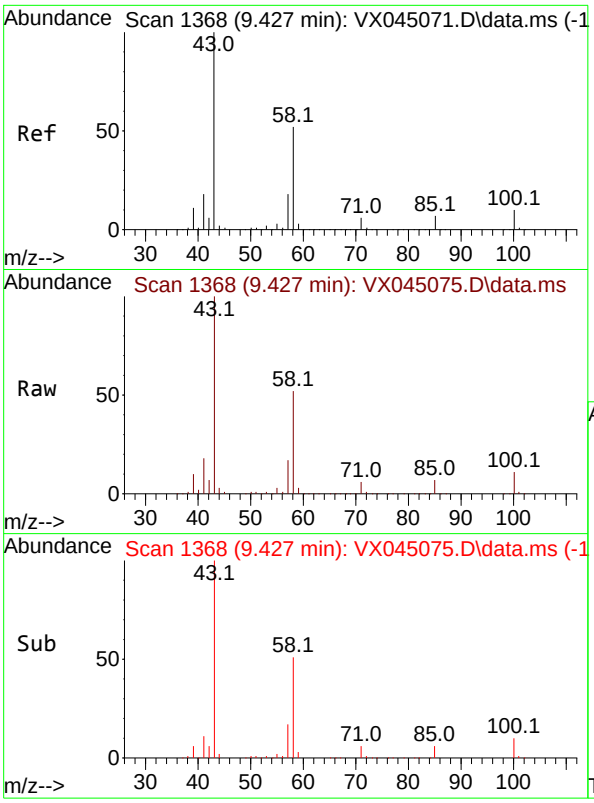


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 264335

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



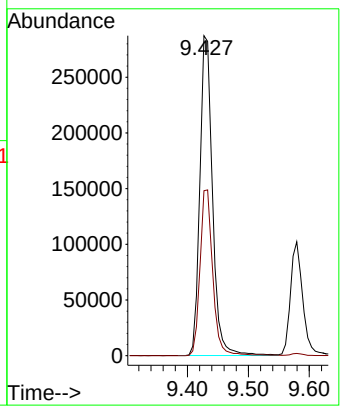


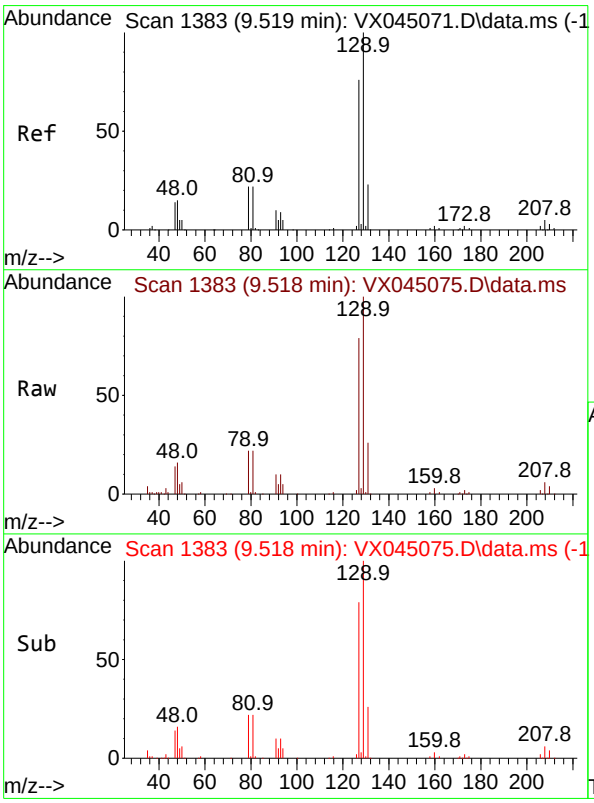
#59
2-Hexanone
Concen: 265.049 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 416731

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

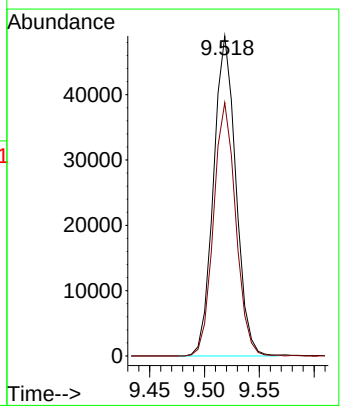


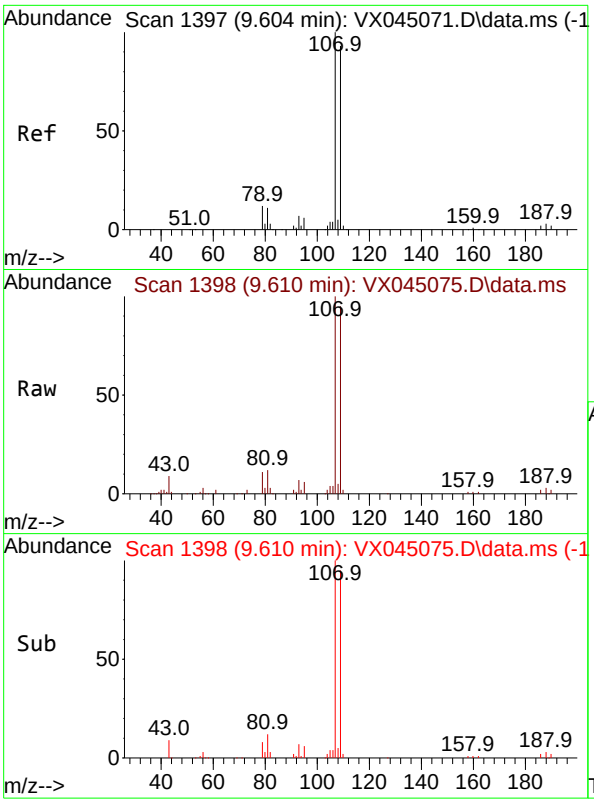


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:129 Resp: 69492

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5



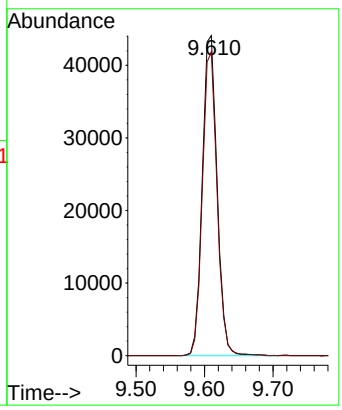


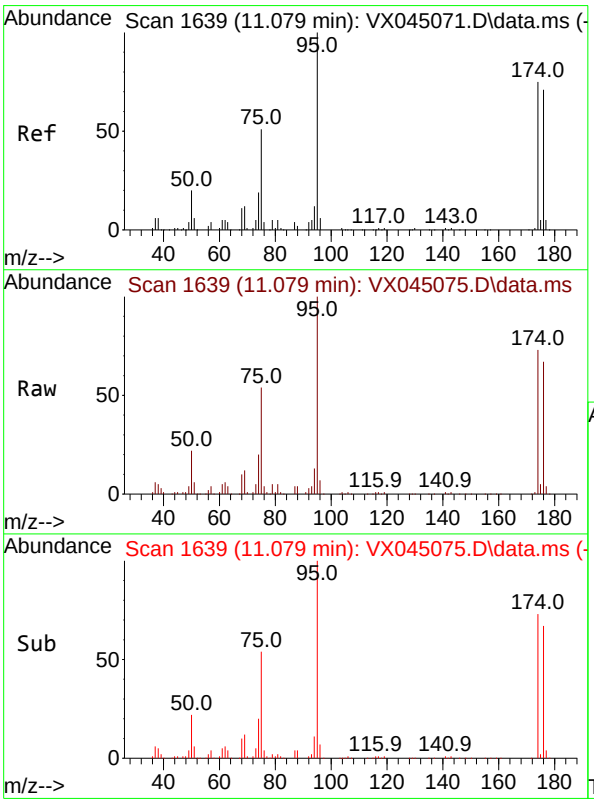
#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:107 Resp: 66501

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

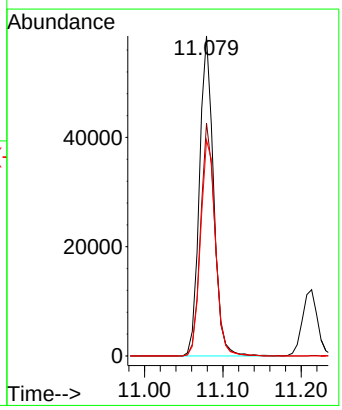


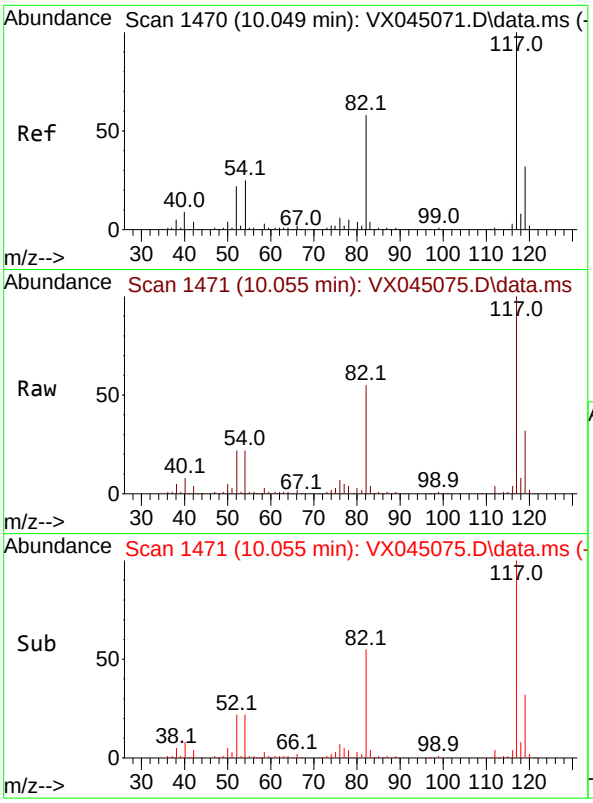


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 95 Resp: 73162

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.2
176	71.3	0.0	141.4



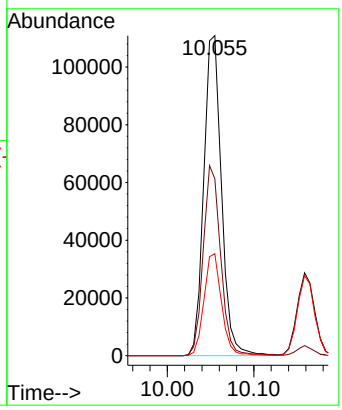


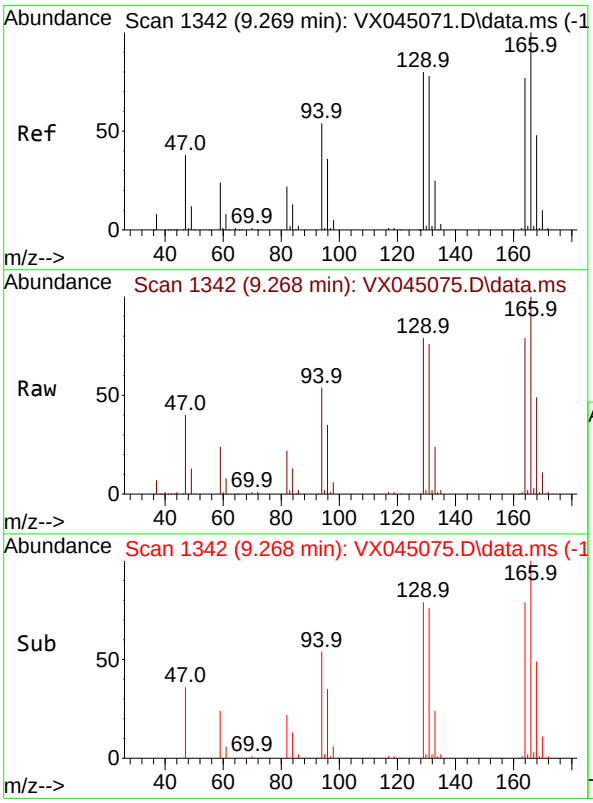
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:117 Resp: 157797

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.3	69.5
119	31.9	25.7	38.5

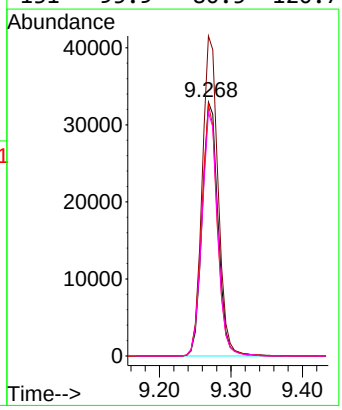


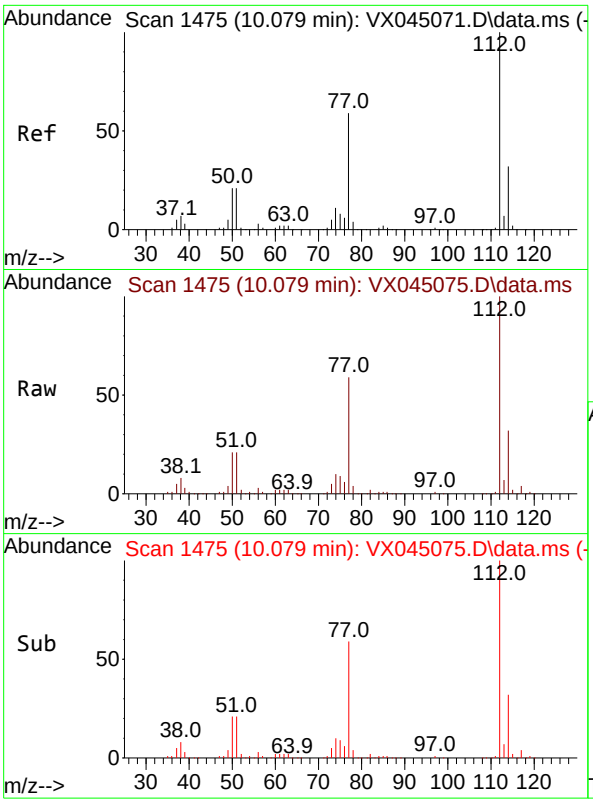


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:164 Resp: 50659

Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.6	155.4
129	99.0	82.7	124.1
131	95.9	80.5	120.7



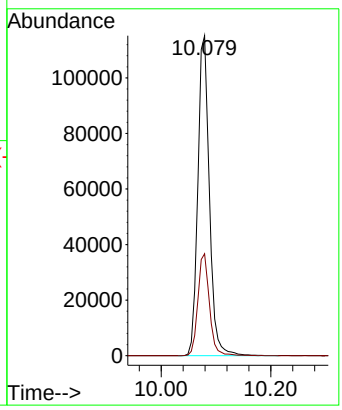


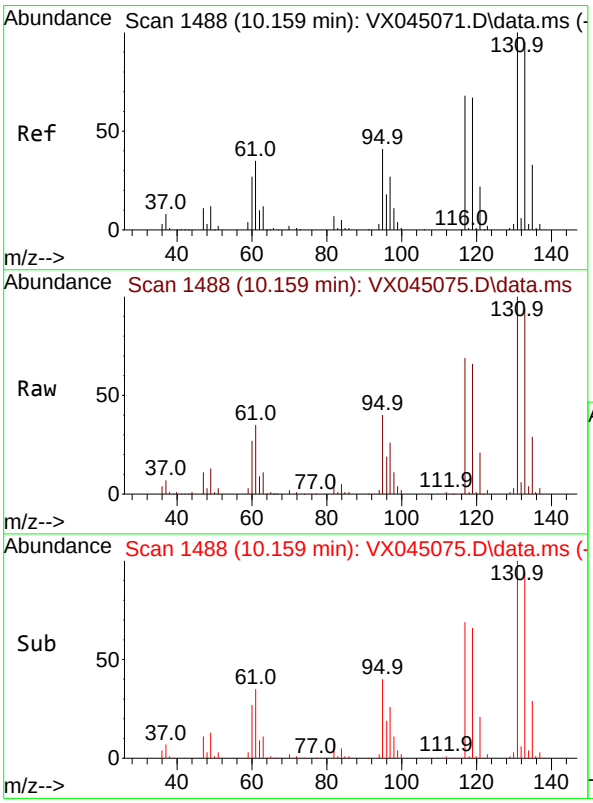
#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:112 Resp: 168885

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

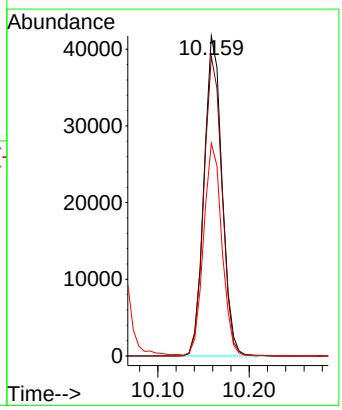


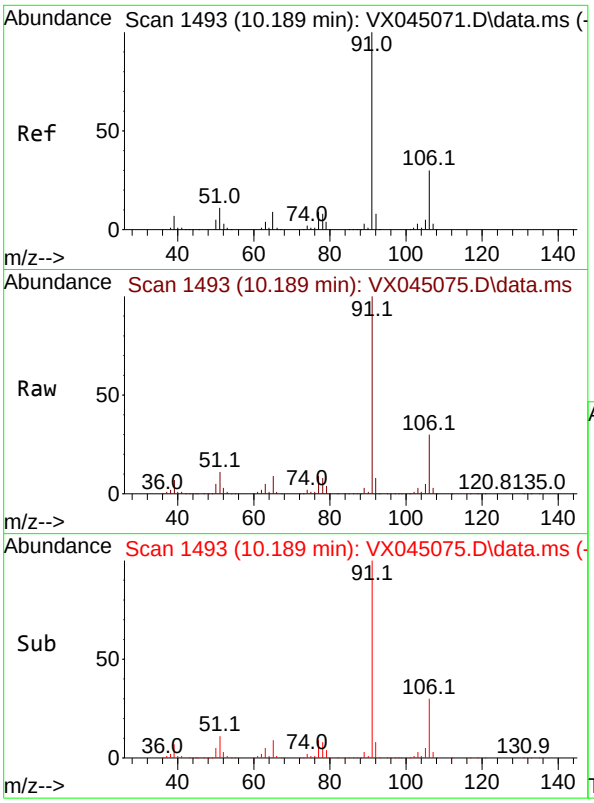


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:131 Resp: 56822

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.6	145.9
119	67.6	33.9	101.7



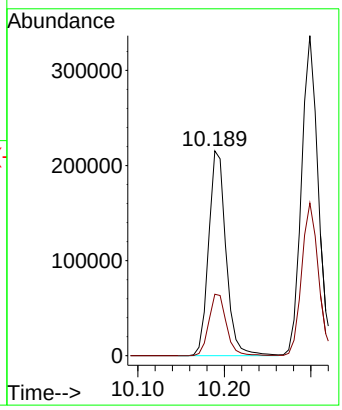


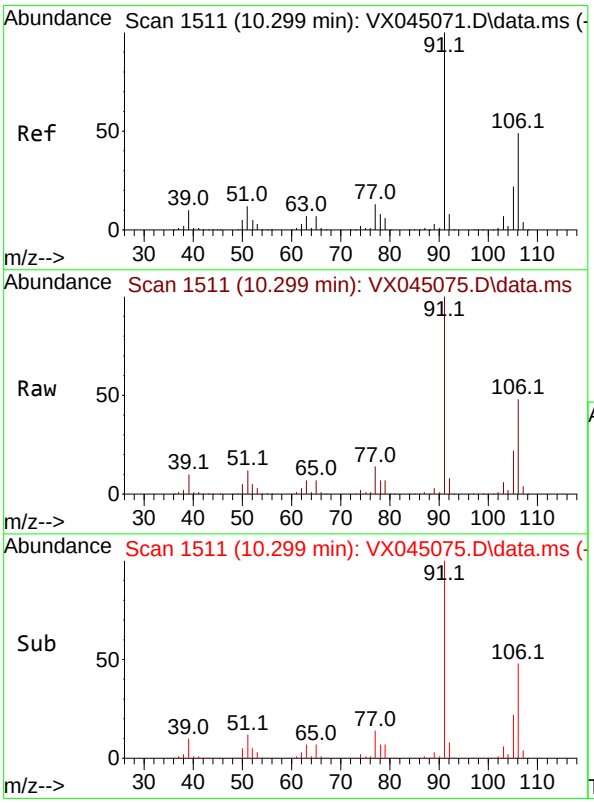
#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 300324

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

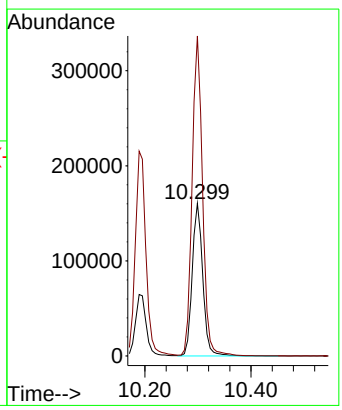


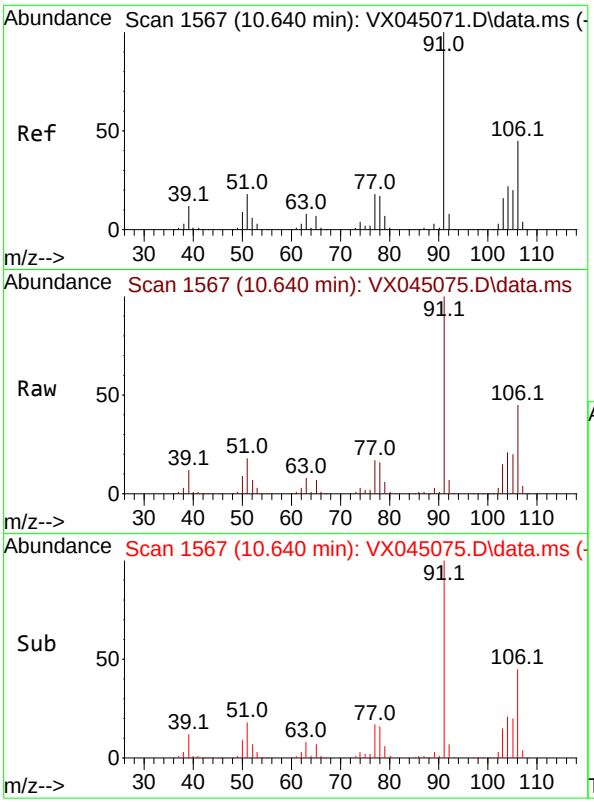


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335

Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.4	248.0



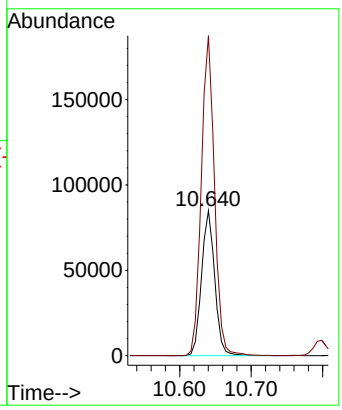


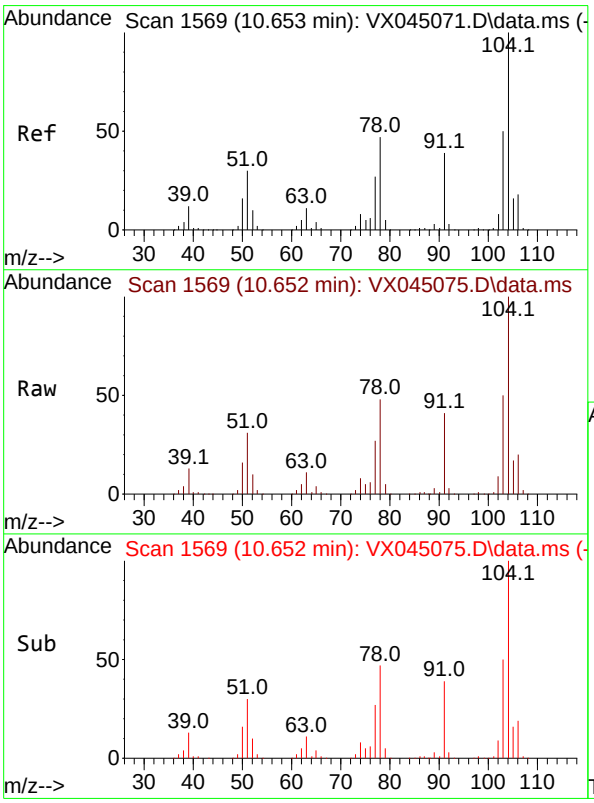
#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:106 Resp: 108836

Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6

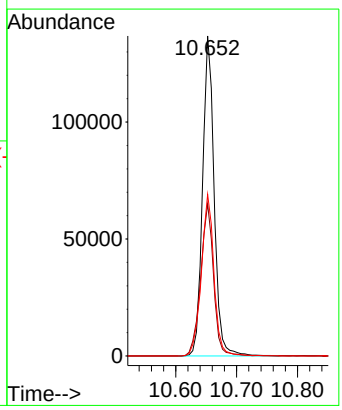


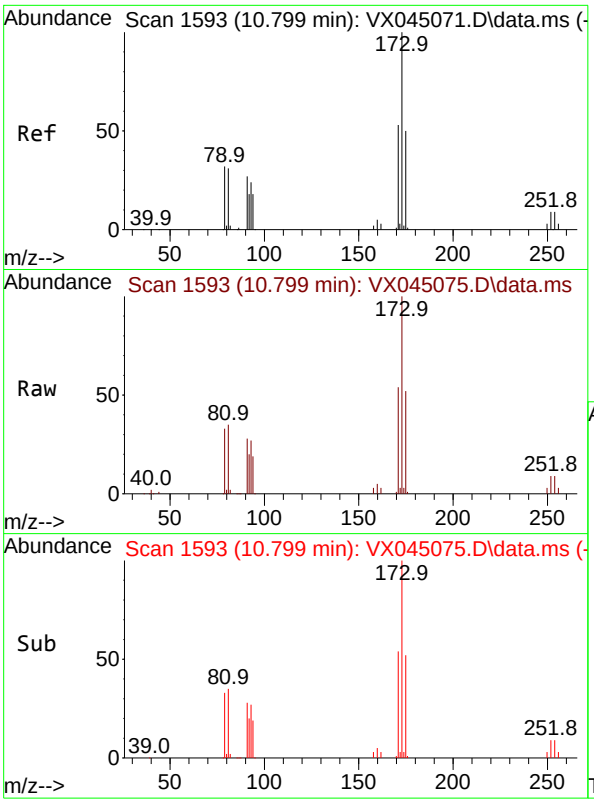


#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:104 Resp: 181349

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	55.1	43.8	65.8



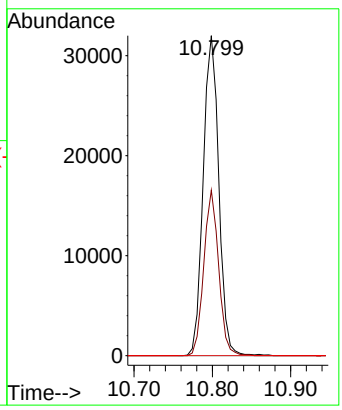


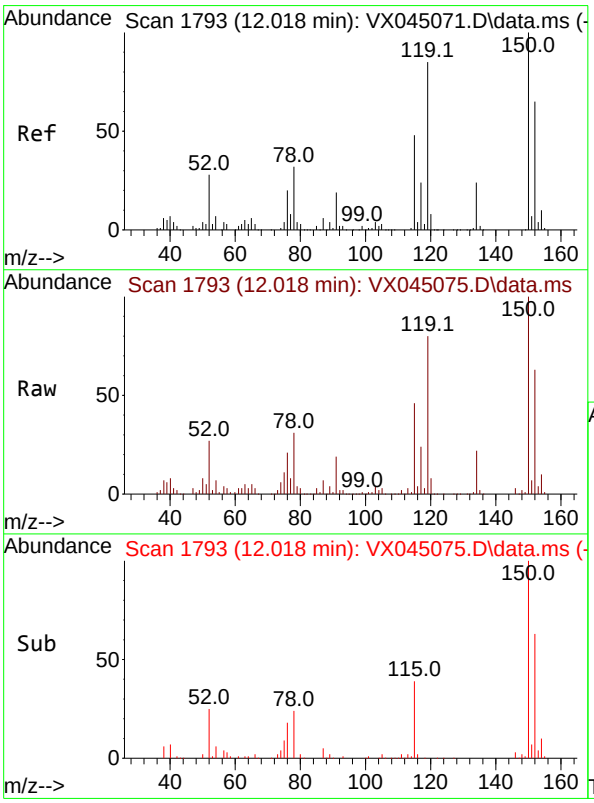
#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:173 Resp: 44135

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.0	0.0	0.0

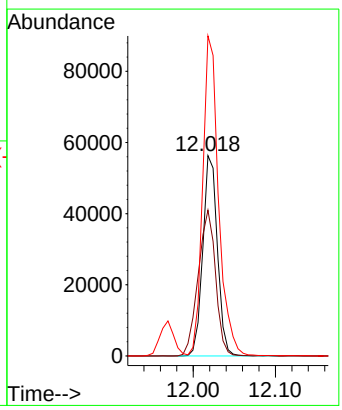


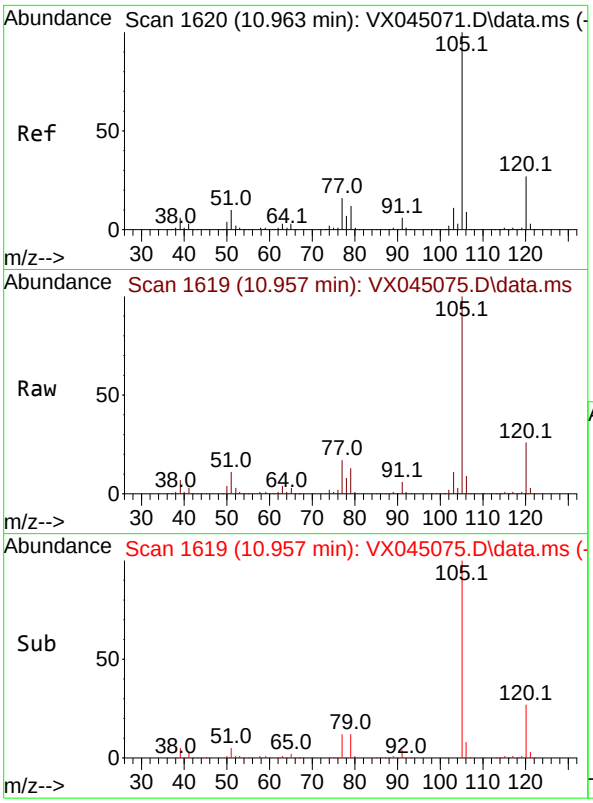


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:152 Resp: 69357

Ion	Ratio	Lower	Upper
152	100		
115	86.9	44.2	132.6
150	174.3	0.0	349.0



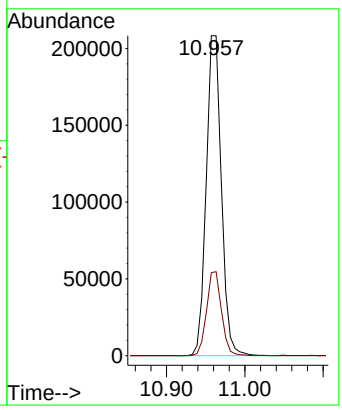


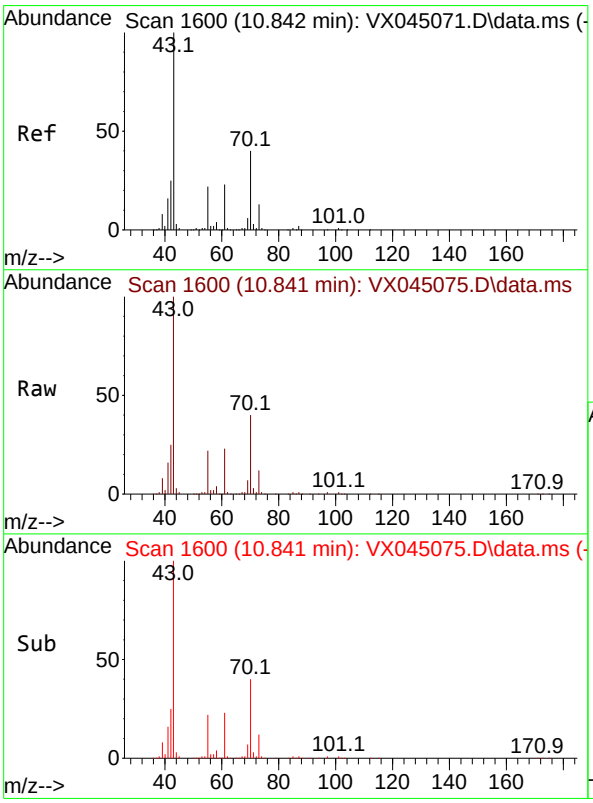
#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 279278

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

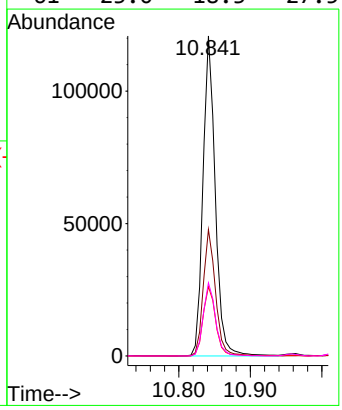


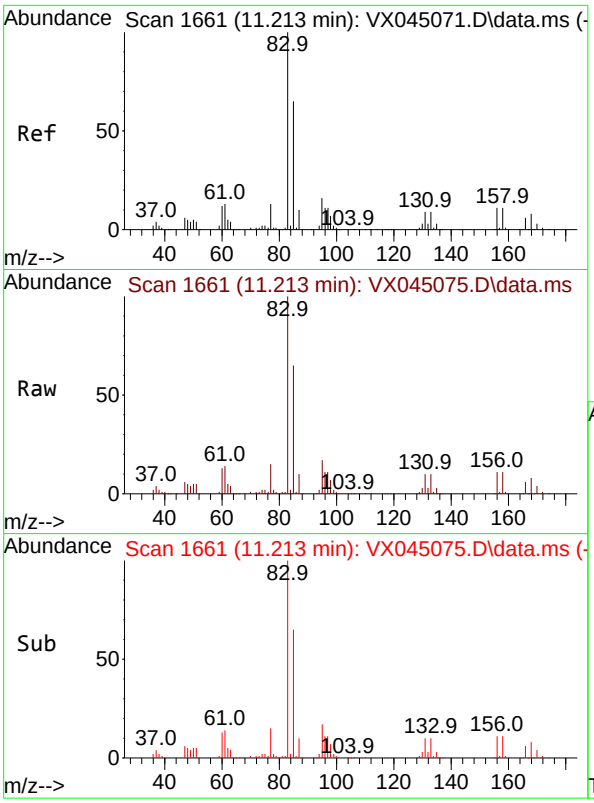


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 144412

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	22.3	18.3	27.5
61	23.0	18.3	27.5



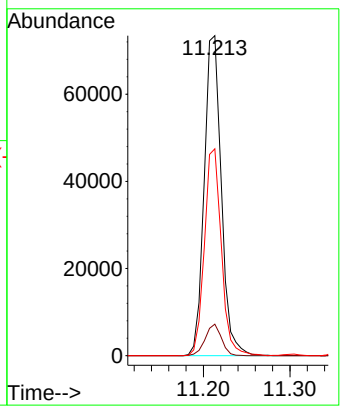


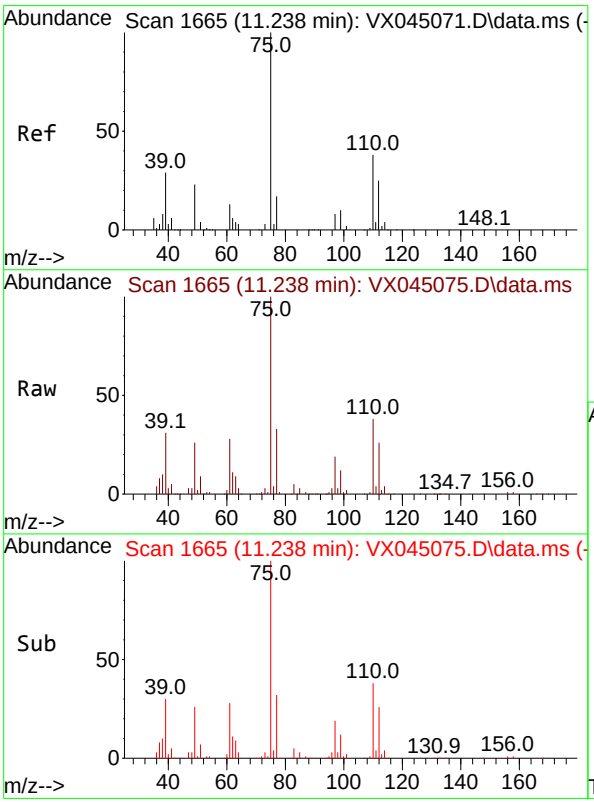
#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 83 Resp: 100800

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.0	31.7	95.1

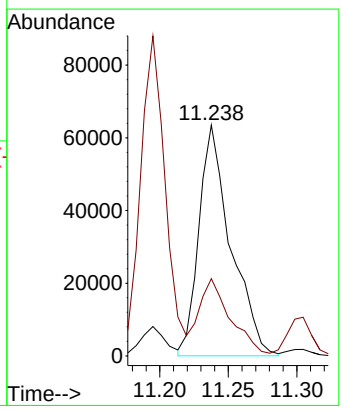


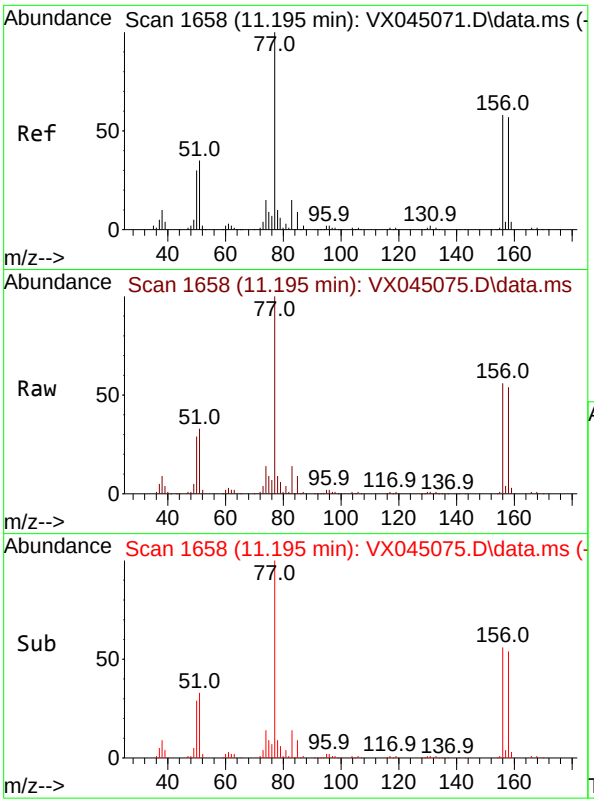


#76
1,2,3-Trichloropropane
Concen: 63.694 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 102821

Ion	Ratio	Lower	Upper
75	100		
77	33.3	20.7	62.1



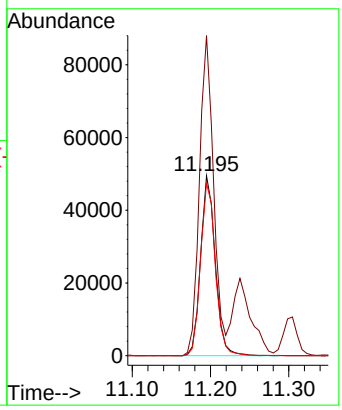


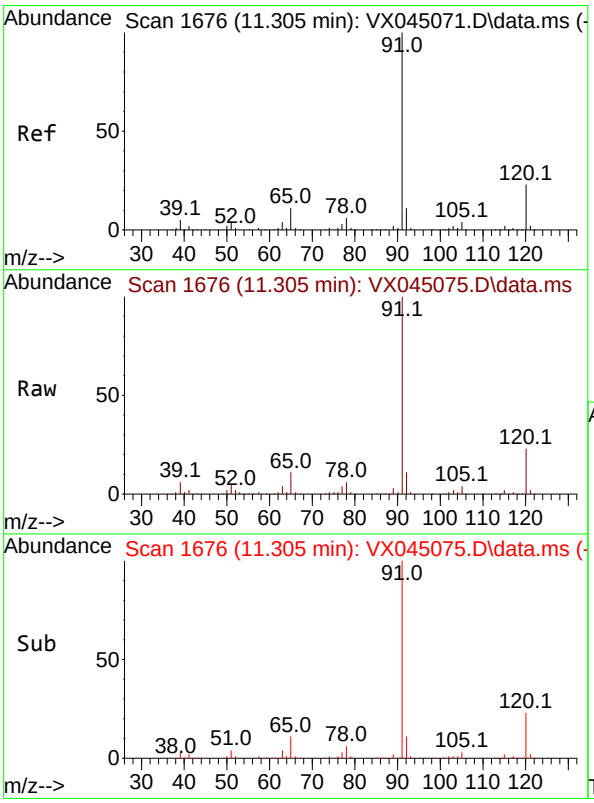
#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:156 Resp: 64324

Ion	Ratio	Lower	Upper
156	100		
77	172.1	85.8	257.4
158	96.5	48.4	145.2

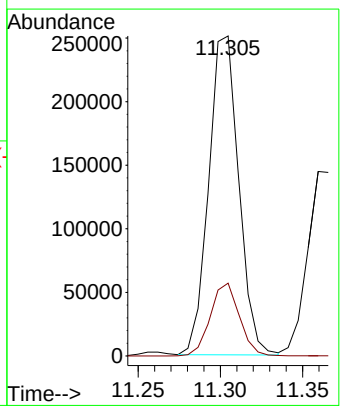


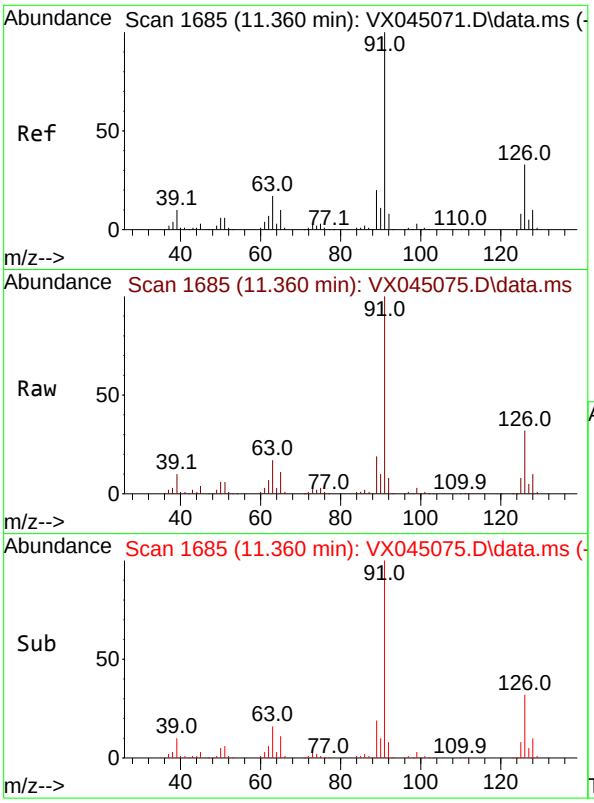


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 319235

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6



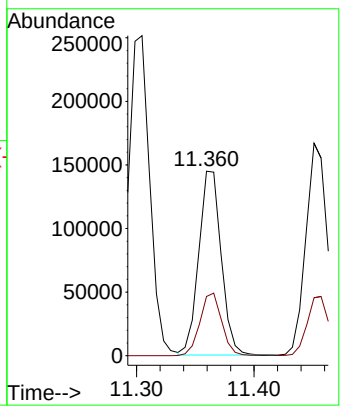


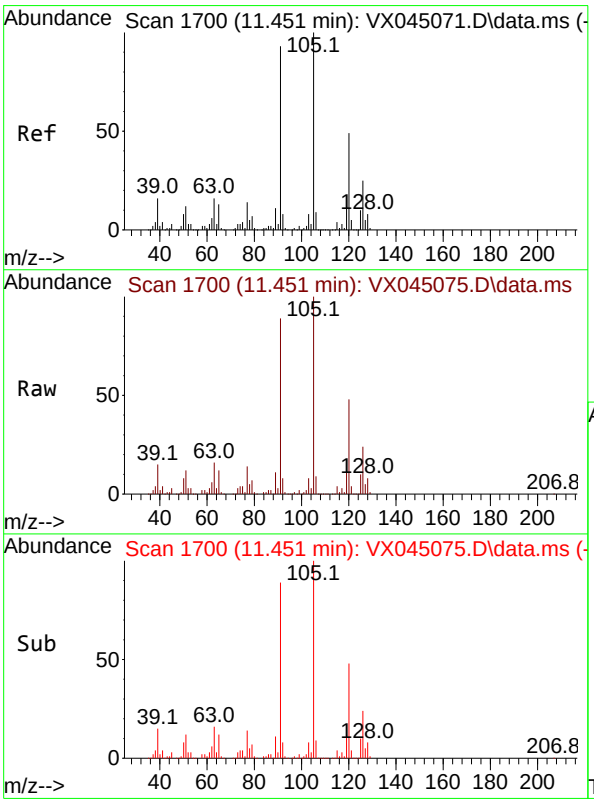
#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 192150

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

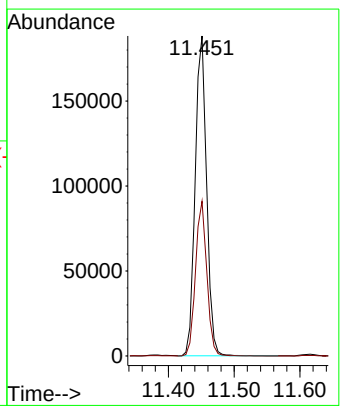


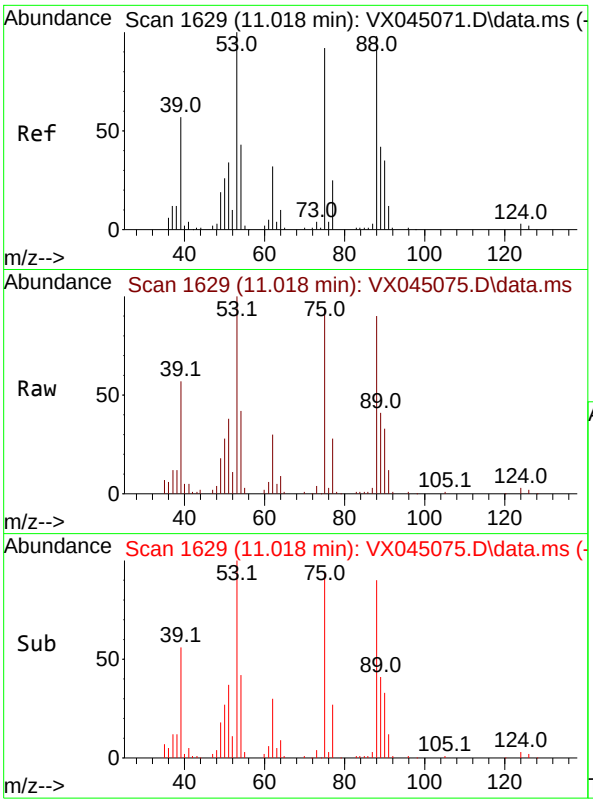


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2



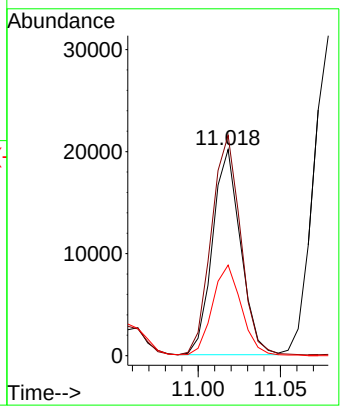


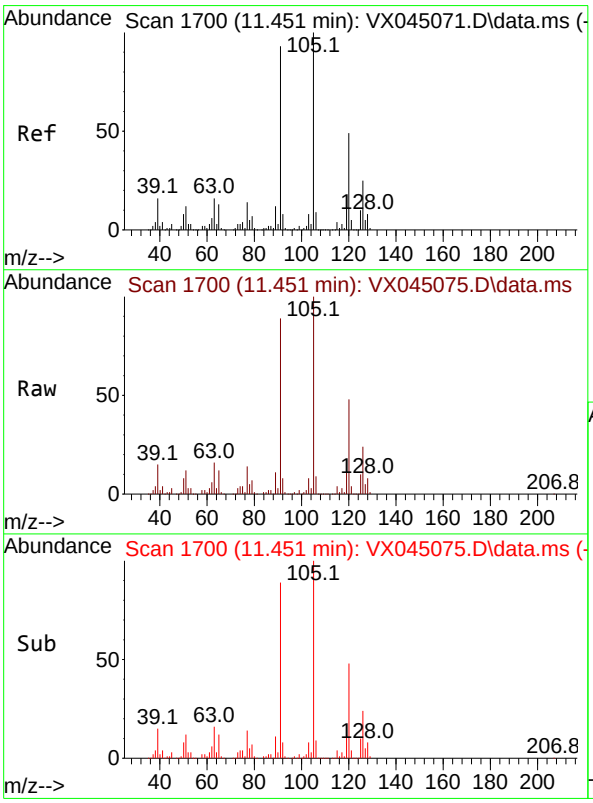
#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 75 Resp: 23943

Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.5	132.7
89	45.8	36.2	54.4

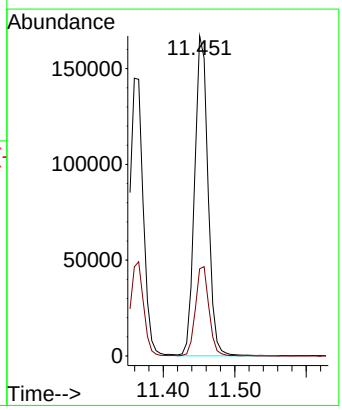


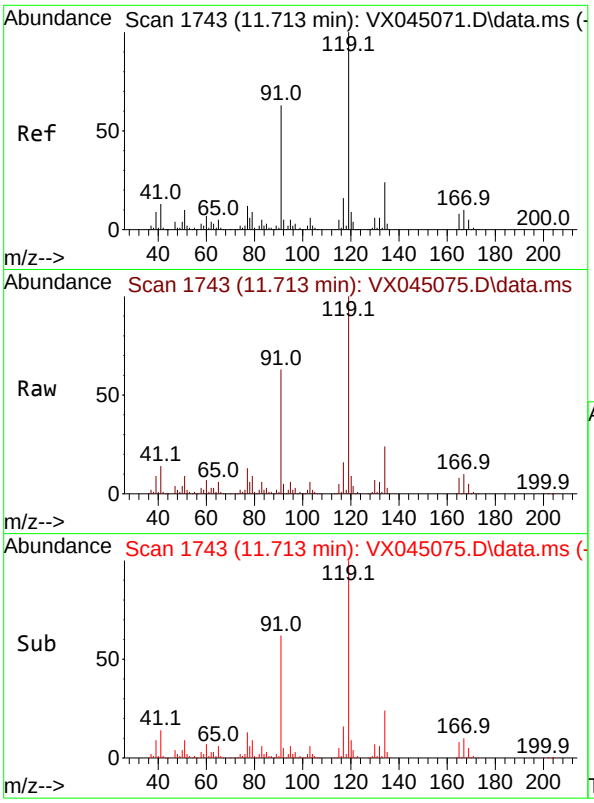


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4



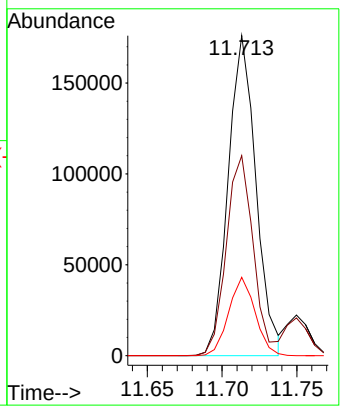


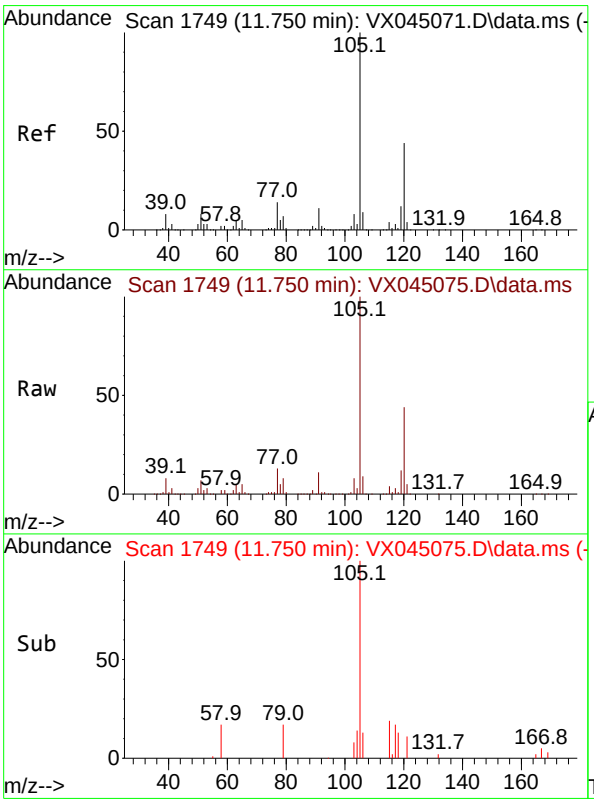
#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:119 Resp: 227357

Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	23.4	11.7	35.0

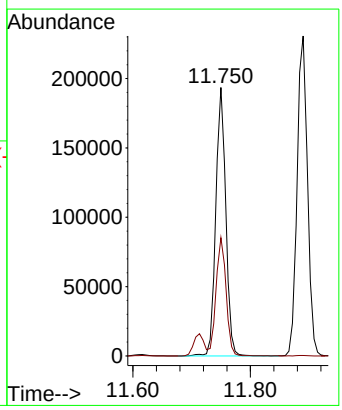


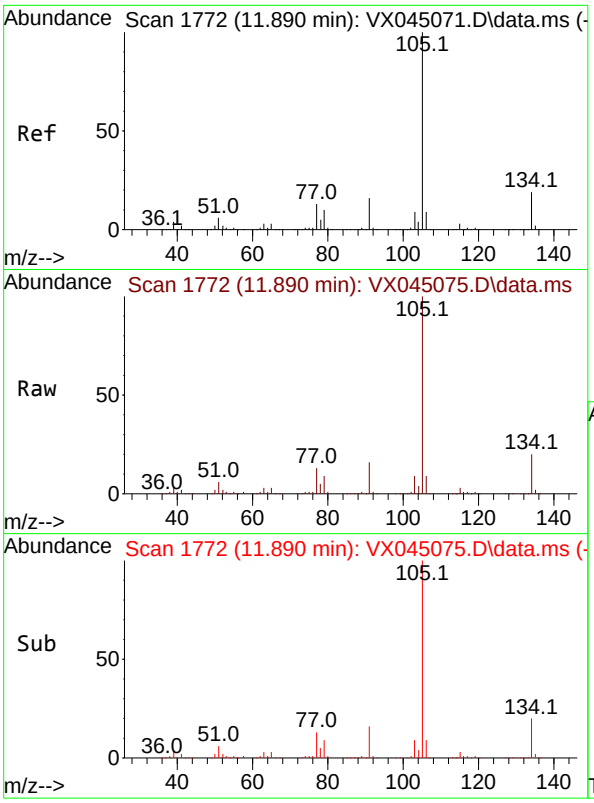


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 228729

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



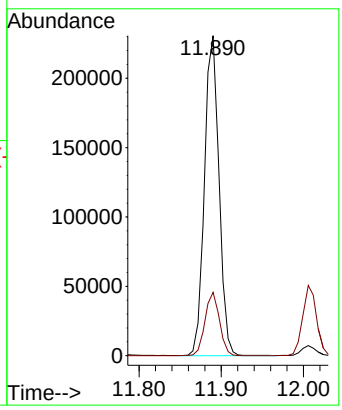


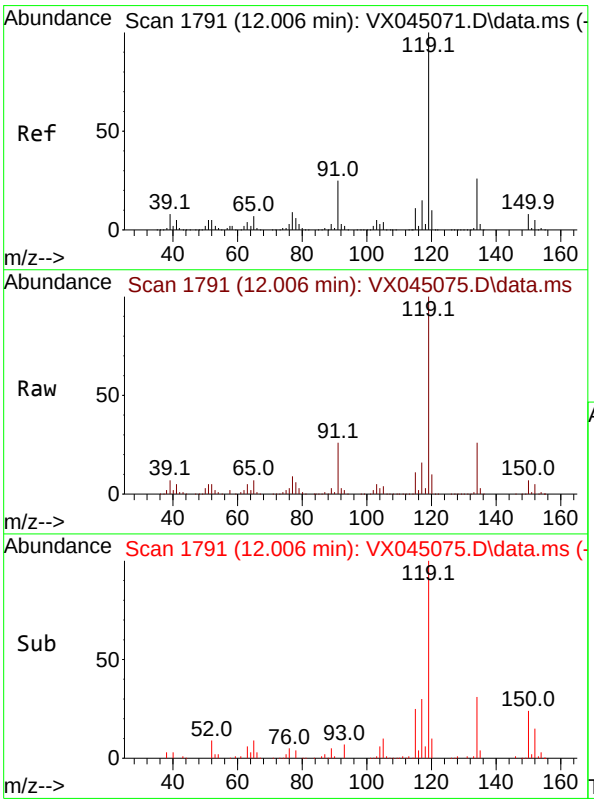
#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 283931

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

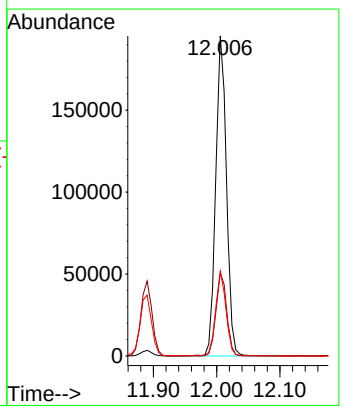


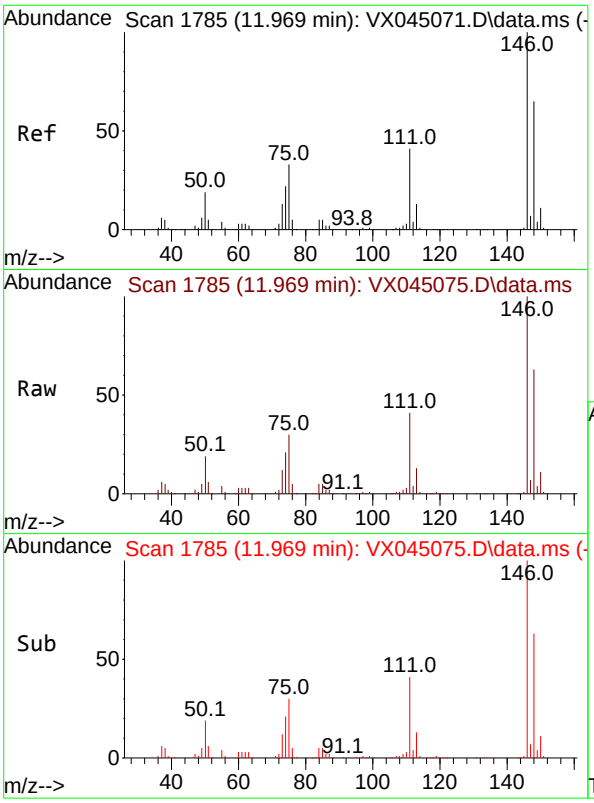


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 229894

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	25.3	12.7	38.0



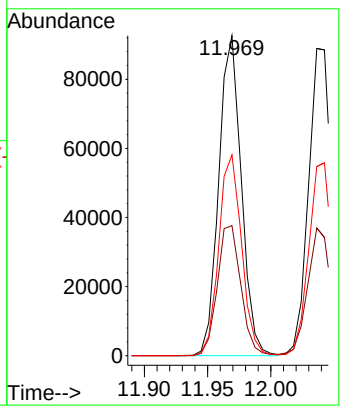


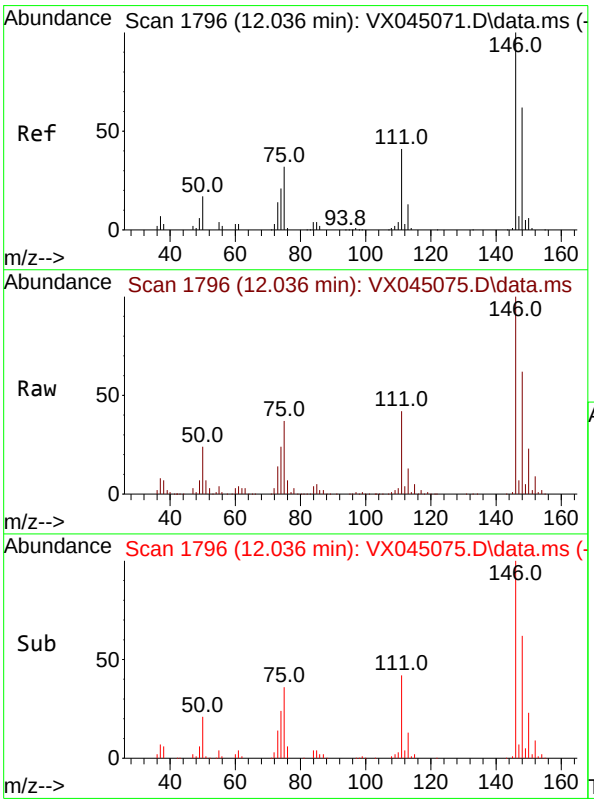
#87
1,3-Dichlorobenzene
Concen: 50.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:146 Resp: 114778

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.6	31.9	95.7

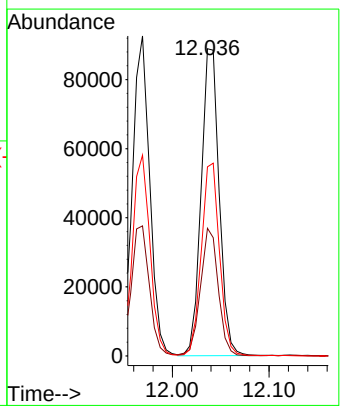


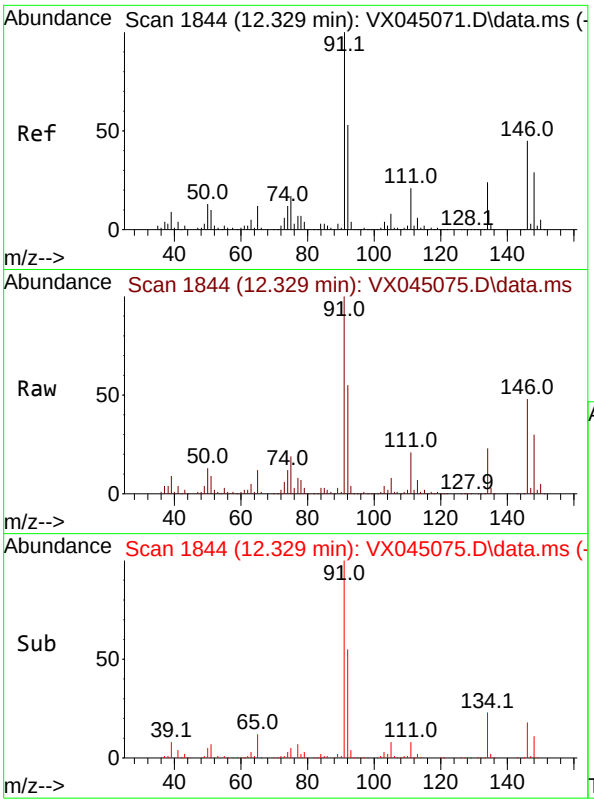


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 115486

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.5
148	63.0	31.9	95.9



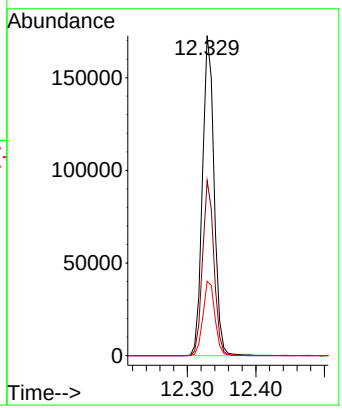


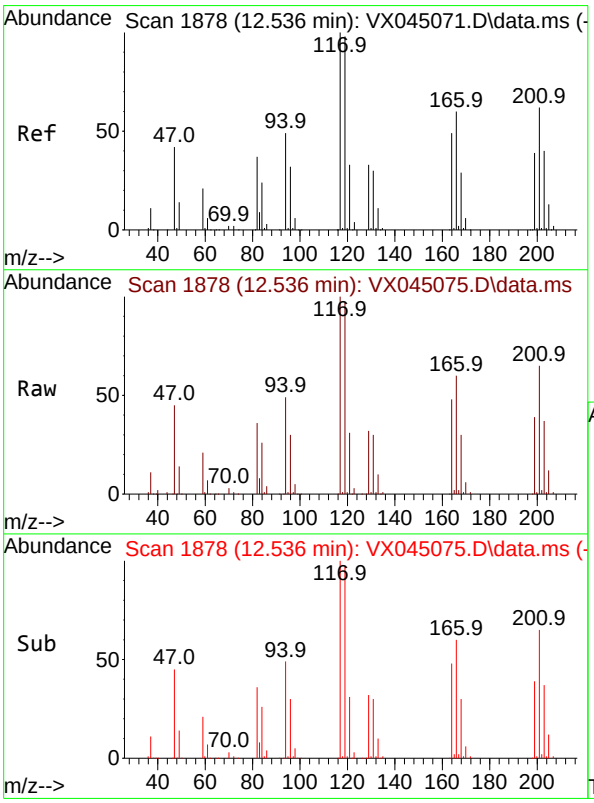
#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 204972

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	23.9	12.2	36.6

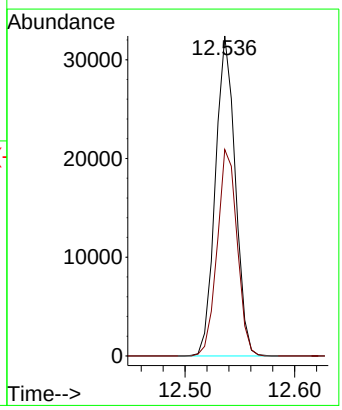


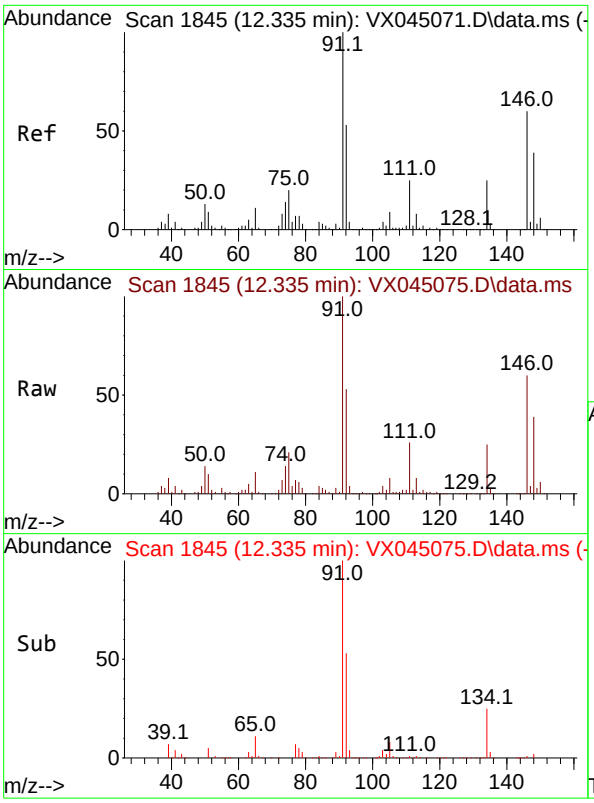


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9



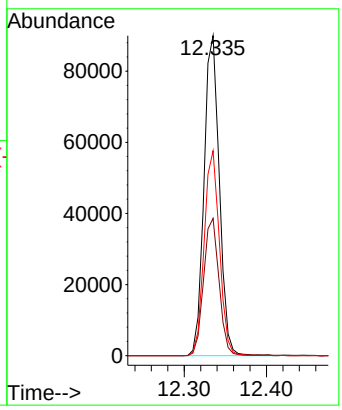


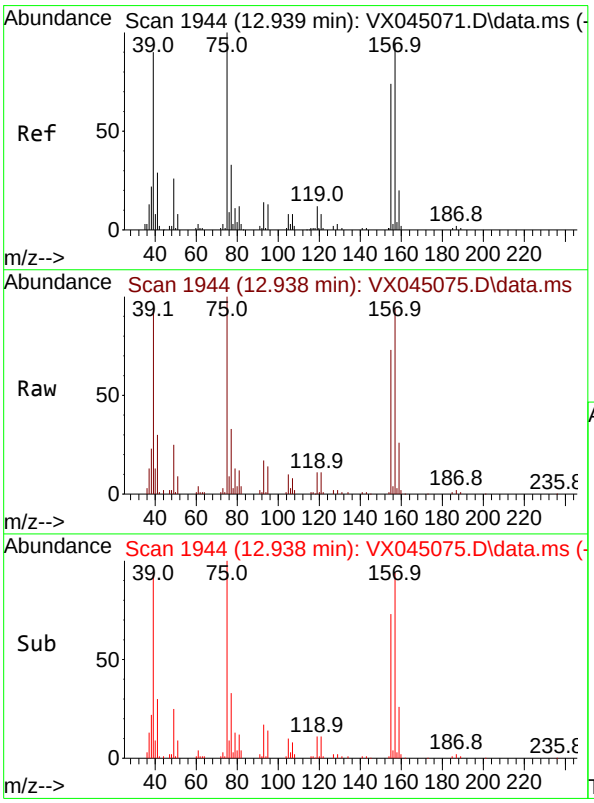
#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:146 Resp: 116343

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.9	31.9	95.9

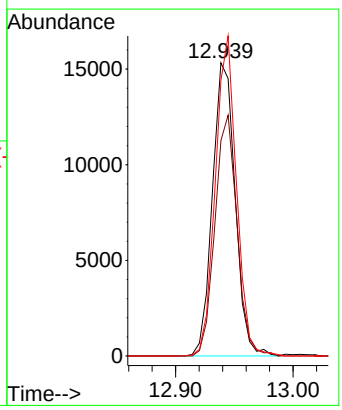


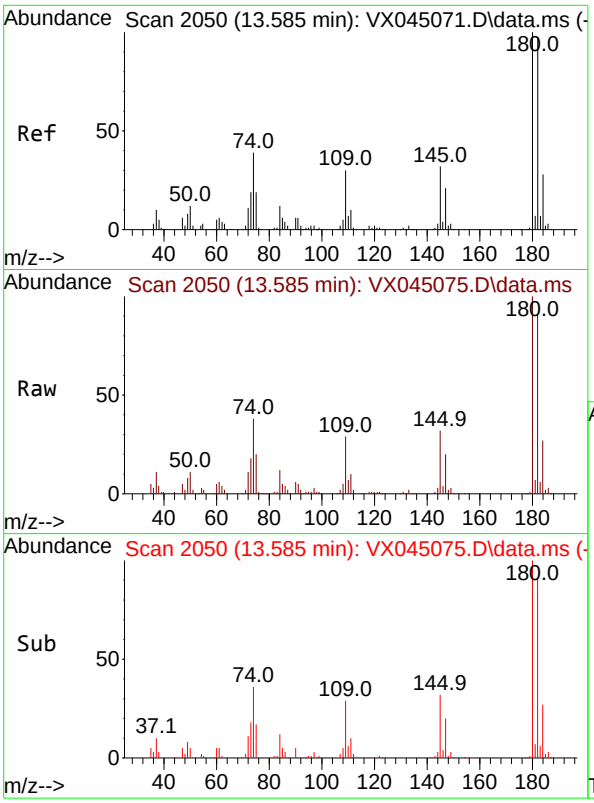


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 20589

Ion	Ratio	Lower	Upper
75	100		
155	79.8	39.6	118.7
157	101.7	51.1	153.4



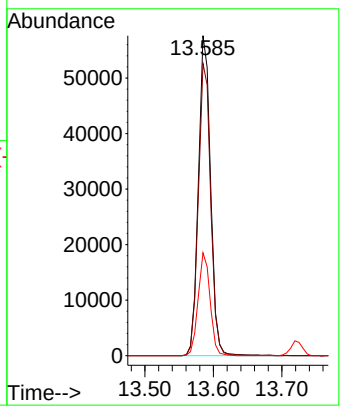


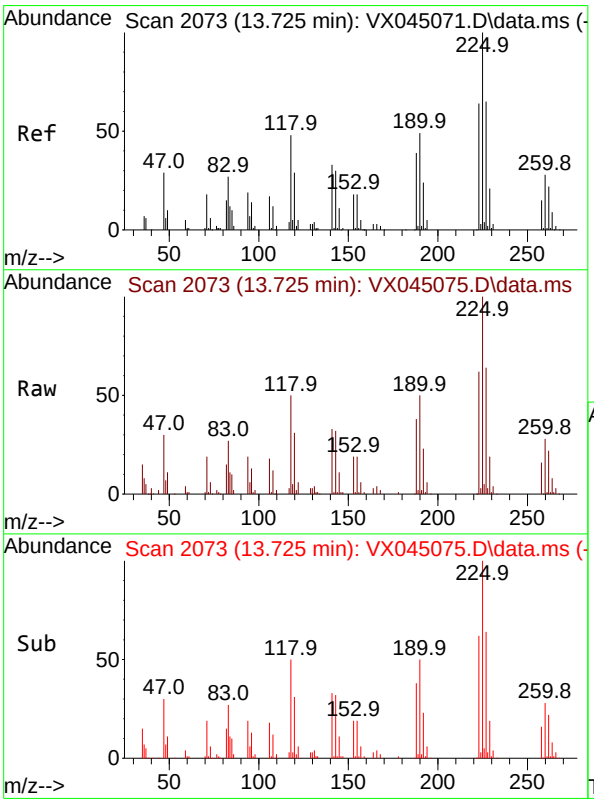
#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:180 Resp: 71368

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	31.6	16.3	48.9

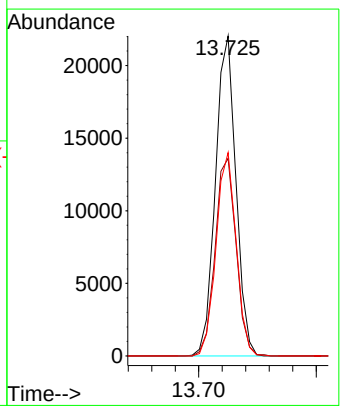


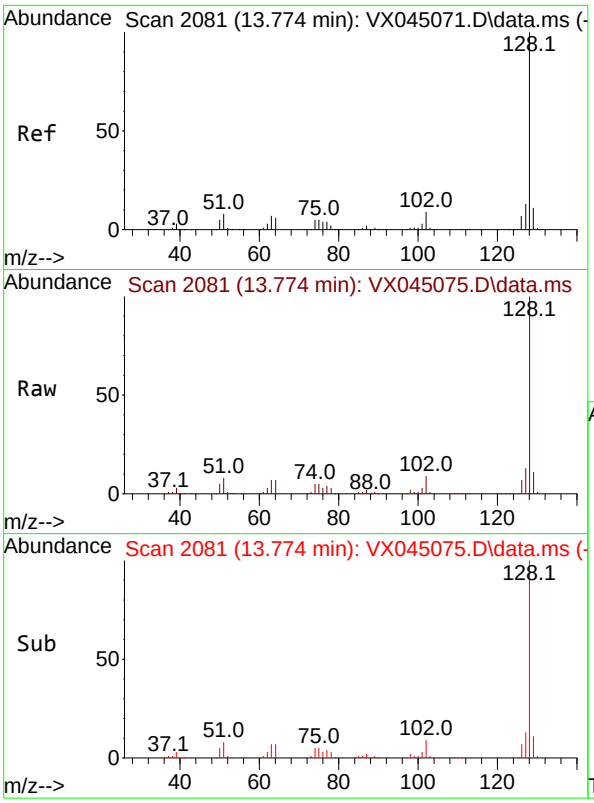


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:225 Resp: 26697

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	62.4	31.4	94.0



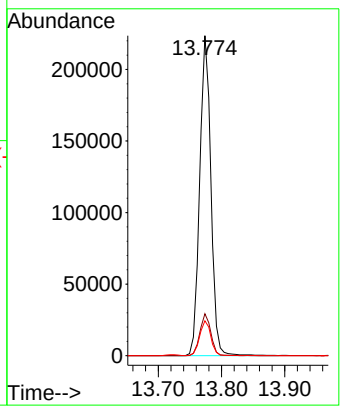


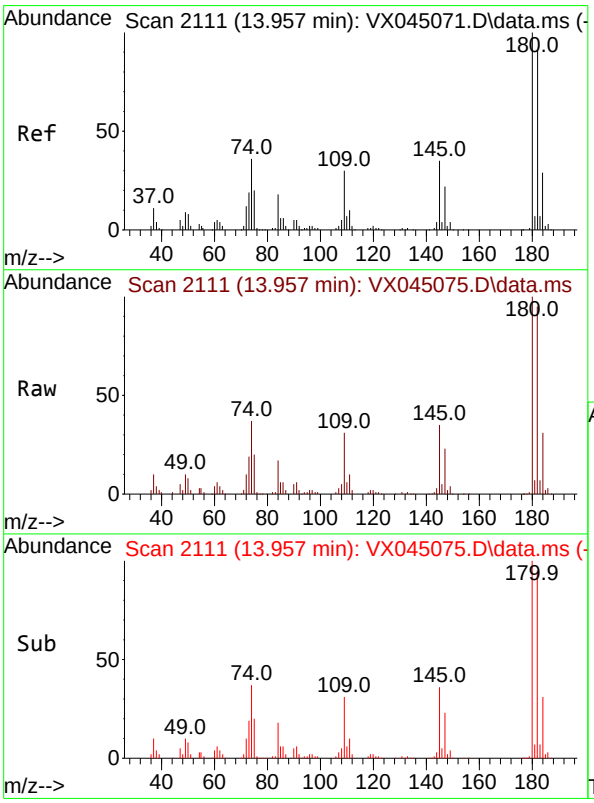
#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:128 Resp: 275844

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

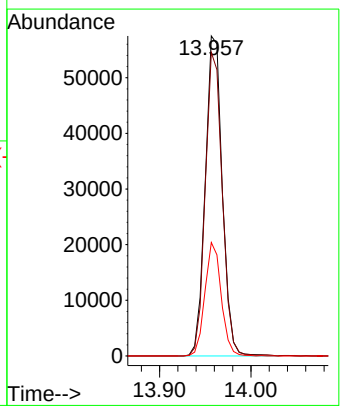




#96
1,2,3-Trichlorobenzene
Concen: 54.049 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 74211

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	33.9	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	111989	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	196414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82143	46.113	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.220%			
35) Dibromofluoromethane	5.373	113	65054	49.532	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	8.647	98	237369	49.853	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.700%			
62) 4-Bromofluorobenzene	11.079	95	79413	50.332	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	70744	50.185	ug/l	96
3) Chloromethane	1.300	50	83018	48.123	ug/l	100
4) Vinyl Chloride	1.374	62	81653	47.712	ug/l	98
5) Bromomethane	1.593	94	31592	46.959	ug/l	98
6) Chloroethane	1.660	64	31648	40.092	ug/l	99
7) Trichlorofluoromethane	1.867	101	111880	49.383	ug/l	98
8) Diethyl Ether	2.136	74	40610	45.828	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.312	101	66640	51.199	ug/l	99
10) Methyl Iodide	2.440	142	76401	46.970	ug/l	98
11) Tert butyl alcohol	2.995	59	65838	195.124	ug/l	99
12) 1,1-Dichloroethene	2.306	96	65383	47.513	ug/l	98
13) Acrolein	2.233	56	101424	260.033	ug/l	99
14) Allyl chloride	2.654	41	121309	49.523	ug/l	99
15) Acrylonitrile	3.062	53	203403	224.925	ug/l	99
16) Acetone	2.386	43	174653	211.319	ug/l	98
17) Carbon Disulfide	2.501	76	175990	48.016	ug/l	97
18) Methyl Acetate	2.703	43	88925	44.725	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	216663	46.929	ug/l	97
20) Methylene Chloride	2.782	84	74677	45.613	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	65595	48.249	ug/l	99
22) Diisopropyl ether	3.757	45	240622	48.301	ug/l	93
23) Vinyl Acetate	3.715	43	1044255	251.185	ug/l	99
24) 1,1-Dichloroethane	3.599	63	130733	46.825	ug/l	99
25) 2-Butanone	4.556	43	286458	230.258	ug/l	100
26) 2,2-Dichloropropane	4.464	77	95125	72.639	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	79716	47.500	ug/l	97
28) Bromochloromethane	4.891	49	61824	46.457	ug/l	98
29) Tetrahydrofuran	5.001	42	187451	224.369	ug/l	100
30) Chloroform	5.086	83	127656	46.017	ug/l	98
31) Cyclohexane	5.458	56	120742	49.820	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	106176	47.389	ug/l	99
36) 1,1-Dichloropropene	5.684	75	88691	49.241	ug/l	99
37) Ethyl Acetate	4.714	43	110594	47.651	ug/l	98
38) Carbon Tetrachloride	5.665	117	90184	49.318	ug/l	97
39) Methylcyclohexane	7.372	83	121207	56.161	ug/l	98
40) Benzene	6.031	78	281425	49.480	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	60396	48.126	ug/l		98
42) 1,2-Dichloroethane	6.080	62	97091	47.405	ug/l		100
43) Isopropyl Acetate	6.336	43	172076	50.139	ug/l		100
44) Trichloroethene	7.116	130	64399	48.221	ug/l		99
45) 1,2-Dichloropropane	7.421	63	70234	48.028	ug/l		99
46) Dibromomethane	7.574	93	50957	49.300	ug/l		98
47) Bromodichloromethane	7.818	83	99834	49.243	ug/l		99
48) Methyl methacrylate	7.689	41	86144	50.032	ug/l		100
49) 1,4-Dioxane	7.659	88	33152	912.798	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	554547	240.651	ug/l		100
52) Toluene	8.714	92	170814	51.187	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	94873	55.975	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	108220	54.755	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	64904	47.245	ug/l		98
56) Ethyl methacrylate	9.116	69	107621	51.537	ug/l		100
57) 1,3-Dichloropropane	9.305	76	115487	48.576	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	273540	268.530	ug/l		99
59) 2-Hexanone	9.427	43	403729	241.811	ug/l		99
60) Dibromochloromethane	9.518	129	72136	50.220	ug/l		99
61) 1,2-Dibromoethane	9.604	107	67190	48.992	ug/l		98
64) Tetrachloroethene	9.268	164	54912	49.741	ug/l		94
65) Chlorobenzene	10.073	112	179056	49.093	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	59227	48.762	ug/l		98
67) Ethyl Benzene	10.189	91	323851	50.959	ug/l		98
68) m/p-Xylenes	10.299	106	239135	102.789	ug/l		99
69) o-Xylene	10.640	106	118067	50.318	ug/l		98
70) Styrene	10.652	104	197009	51.891	ug/l		99
71) Bromoform	10.799	173	46267	50.513	ug/l	#	97
73) Isopropylbenzene	10.957	105	303194	50.901	ug/l		100
74) N-amyl acetate	10.841	43	145178	51.942	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	101813	46.579	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	106841	60.151	ug/l		87
77) Bromobenzene	11.195	156	69846	49.698	ug/l		98
78) n-propylbenzene	11.299	91	354229	52.644	ug/l		100
79) 2-Chlorotoluene	11.360	91	209700	48.935	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	247465	51.381	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	28438	54.791	ug/l		98
82) 4-Chlorotoluene	11.451	91	235030	50.324	ug/l		99
83) tert-Butylbenzene	11.713	119	249434	50.405	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	249084	51.398	ug/l		99
85) sec-Butylbenzene	11.890	105	314975	53.135	ug/l		99
86) p-Isopropyltoluene	12.006	119	256666	53.578	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	126673	50.525	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	126155	49.736	ug/l		99
89) n-Butylbenzene	12.329	91	234896	56.931	ug/l		100
90) Hexachloroethane	12.536	117	44665	51.547	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	126089	50.134	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20546	48.248	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	78708	54.961	ug/l		100
94) Hexachlorobutadiene	13.725	225	30769	52.406	ug/l		97
95) Naphthalene	13.774	128	288129	52.367	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	79762	52.796	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

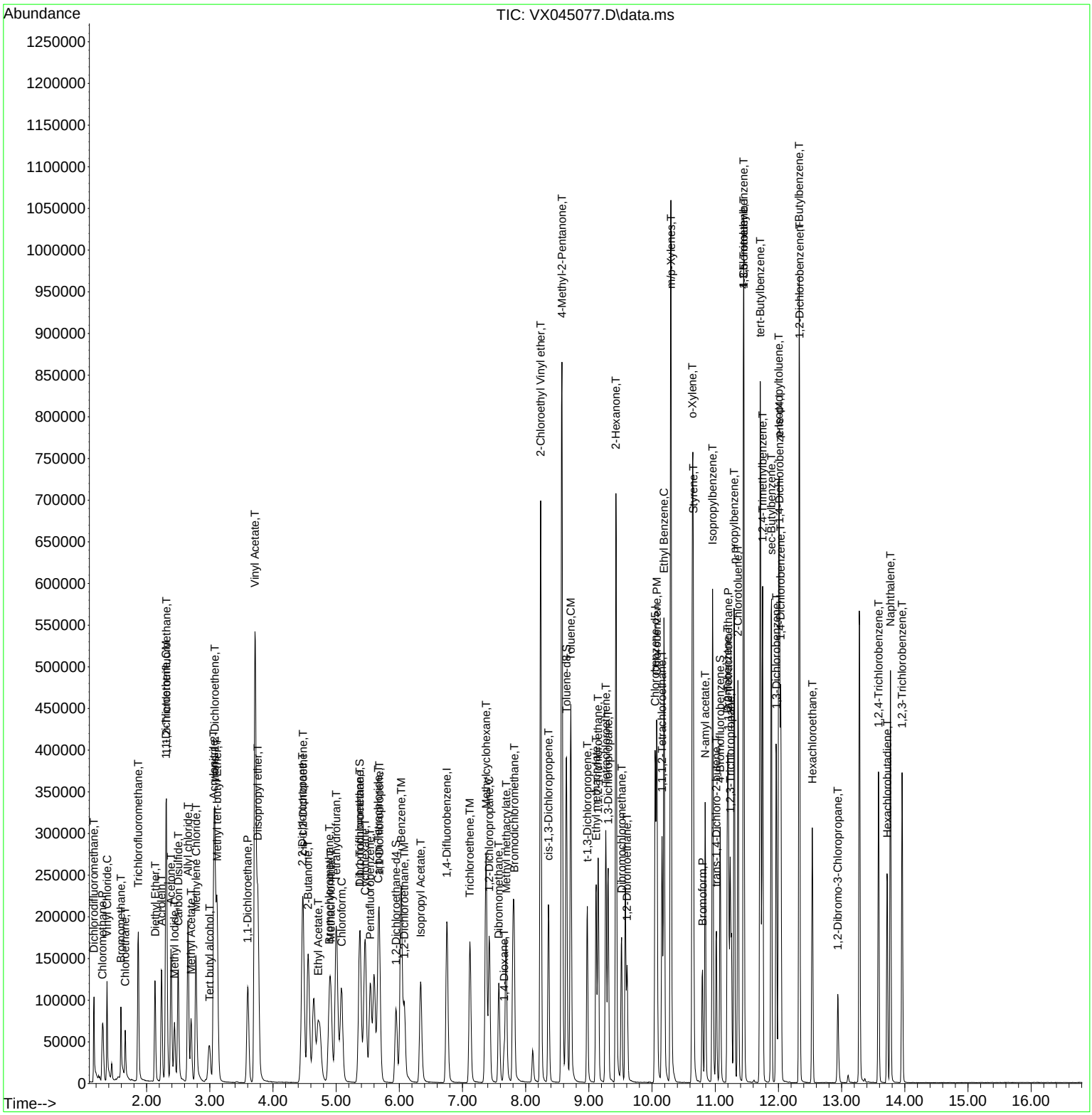
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

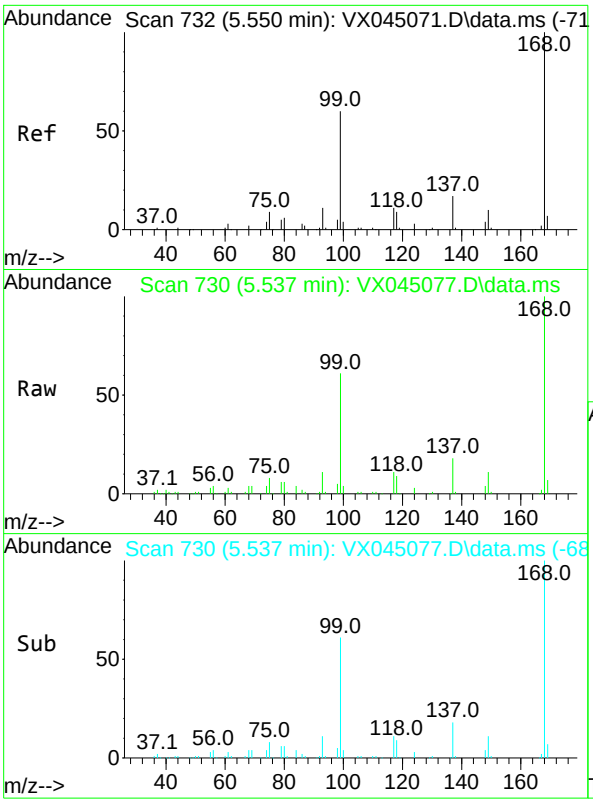
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



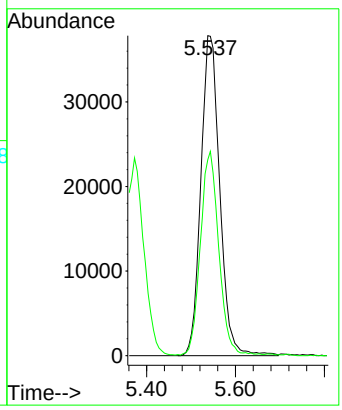


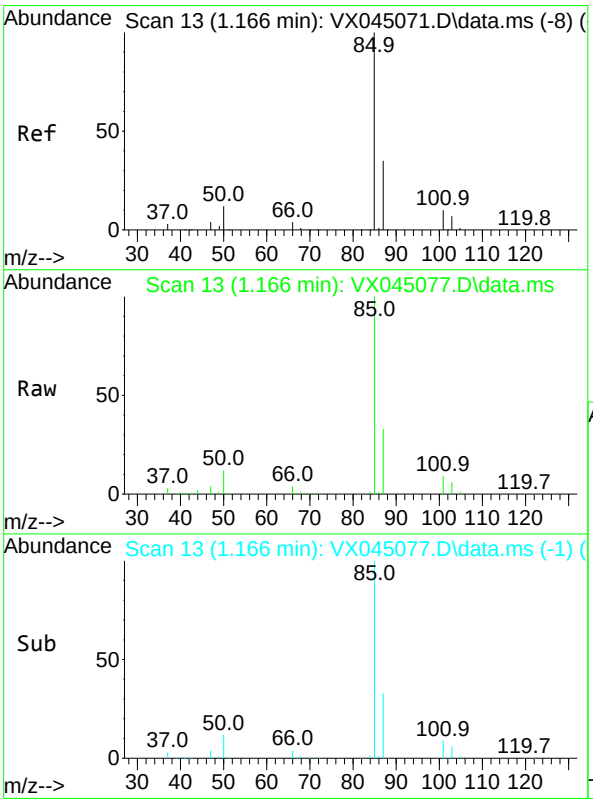
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 111989

Ion	Ratio	Lower	Upper
168	100		
99	60.9	48.2	72.4

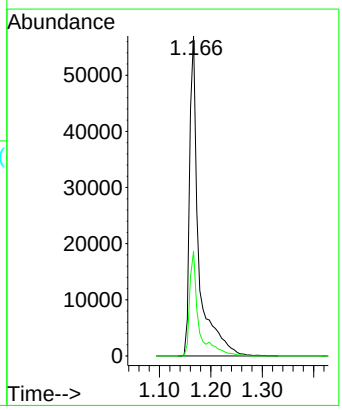


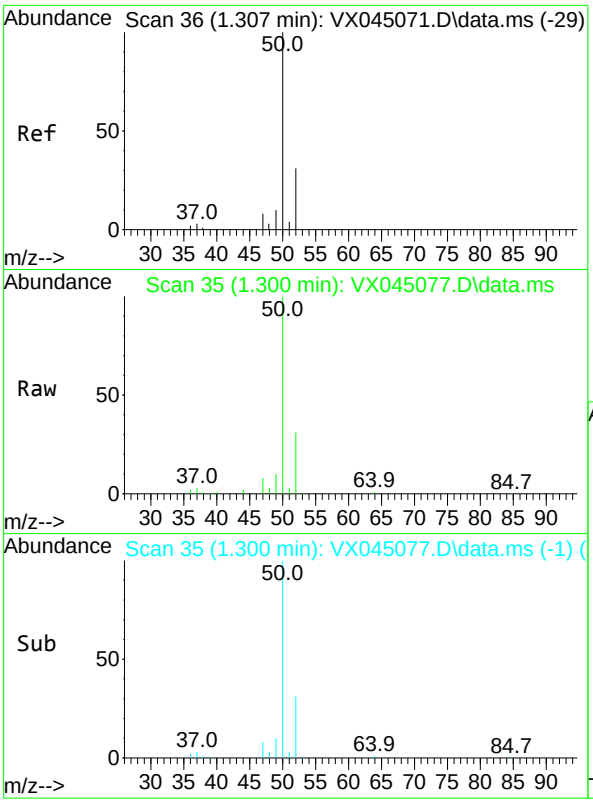


#2
Dichlorodifluoromethane
Concen: 50.185 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 85 Resp: 70744

Ion	Ratio	Lower	Upper
85	100		
87	32.7	17.4	52.3



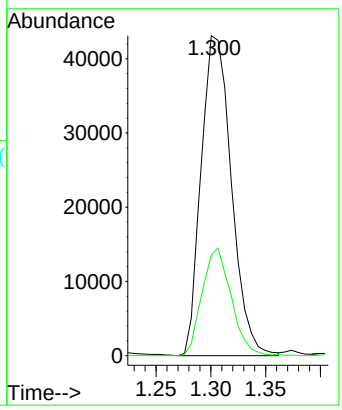


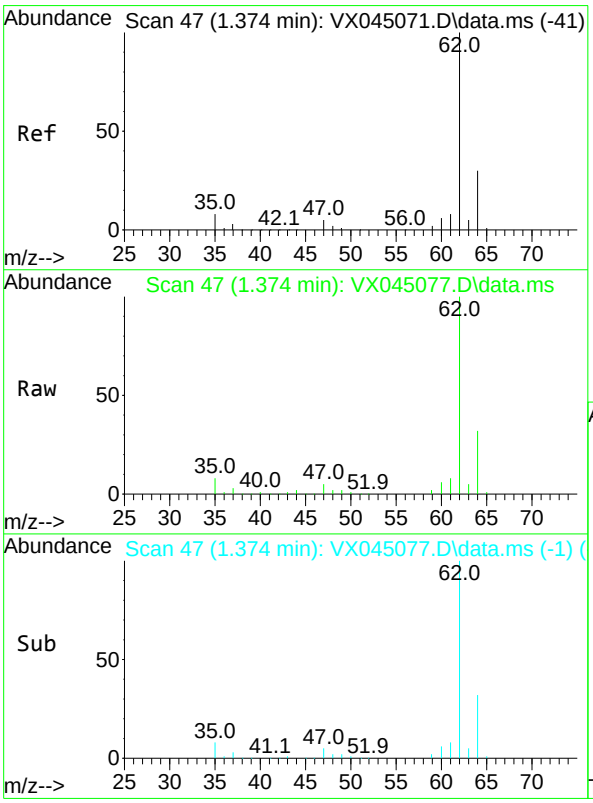
#3
Chloromethane
Concen: 48.123 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 83018

Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.0	37.4

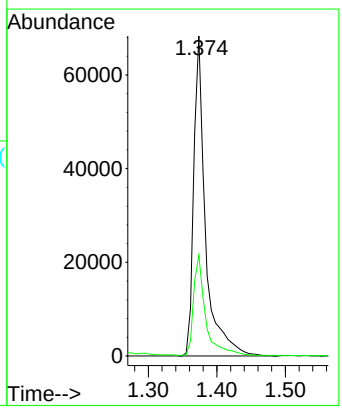


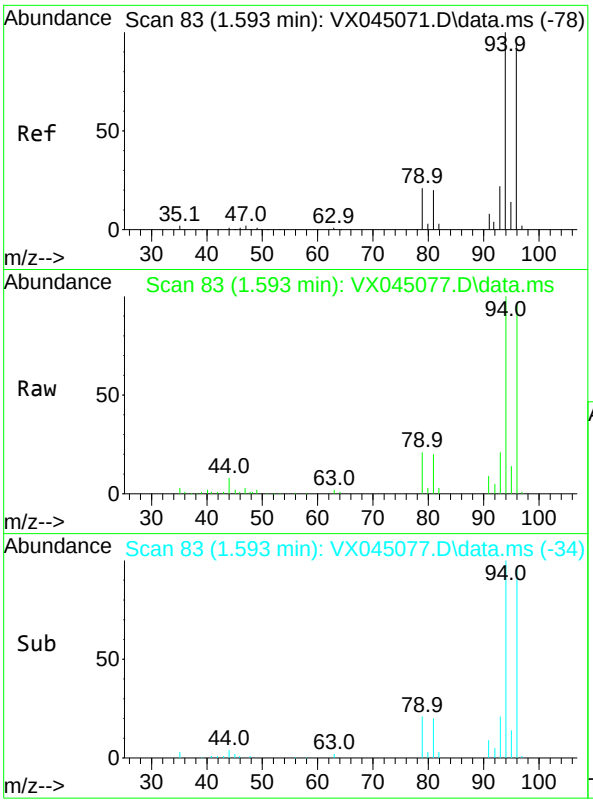


#4
Vinyl Chloride
Concen: 47.712 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 62 Resp: 81653

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.3	36.5



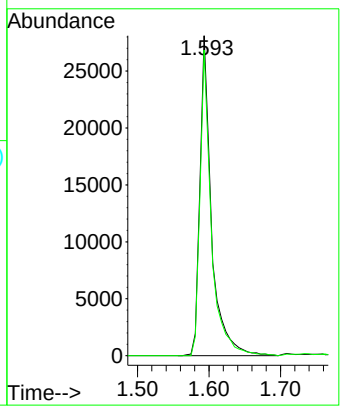


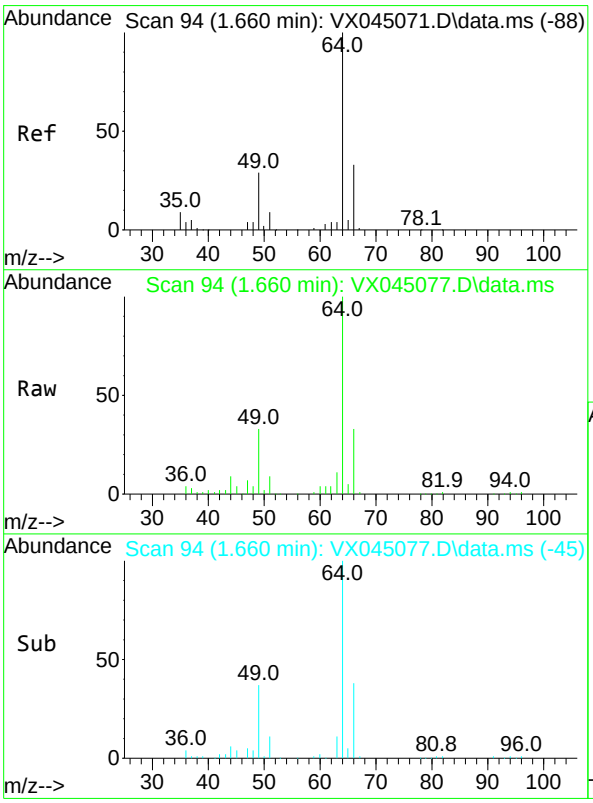
#5
Bromomethane
Concen: 46.959 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 31592

Ion	Ratio	Lower	Upper
94	100		
96	95.5	75.0	112.4

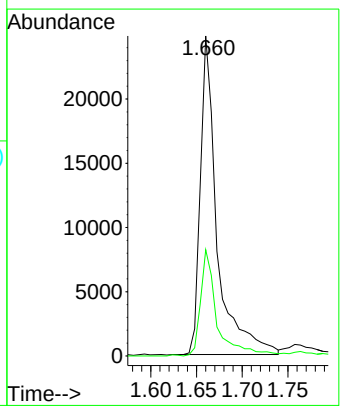


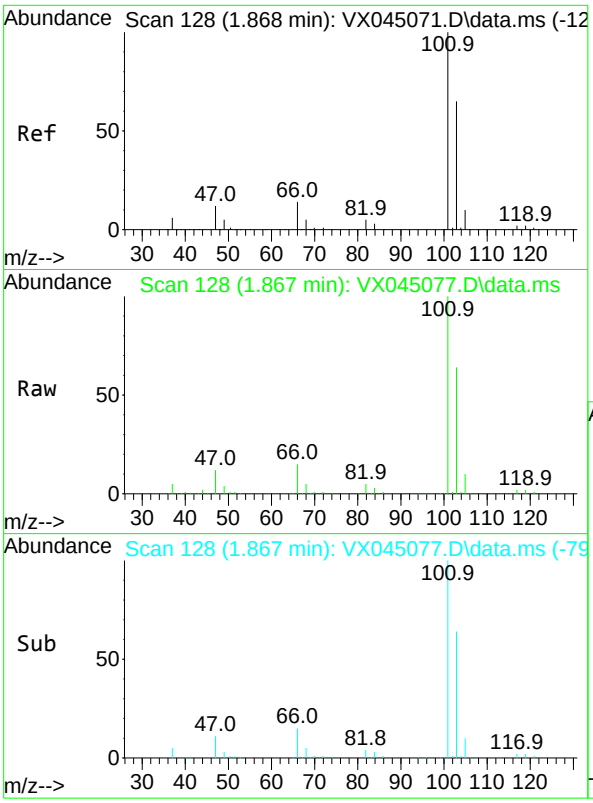


#6
Chloroethane
Concen: 40.092 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 64 Resp: 31648

Ion	Ratio	Lower	Upper
64	100		
66	33.1	26.7	40.1



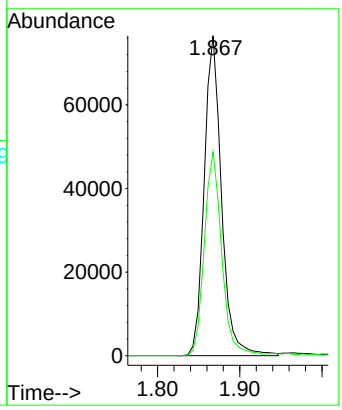


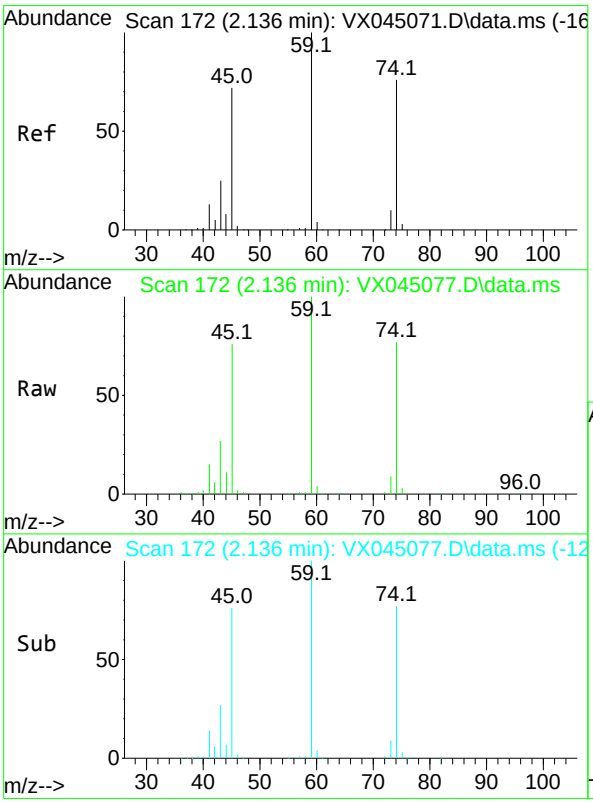
#7
Trichlorofluoromethane
Concen: 49.383 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 111880

Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.1	78.1

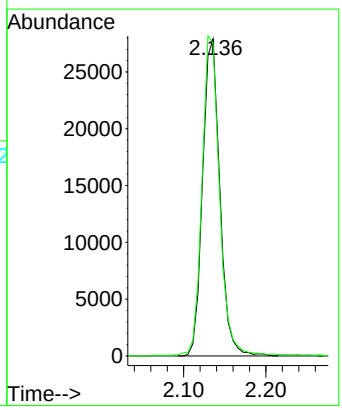


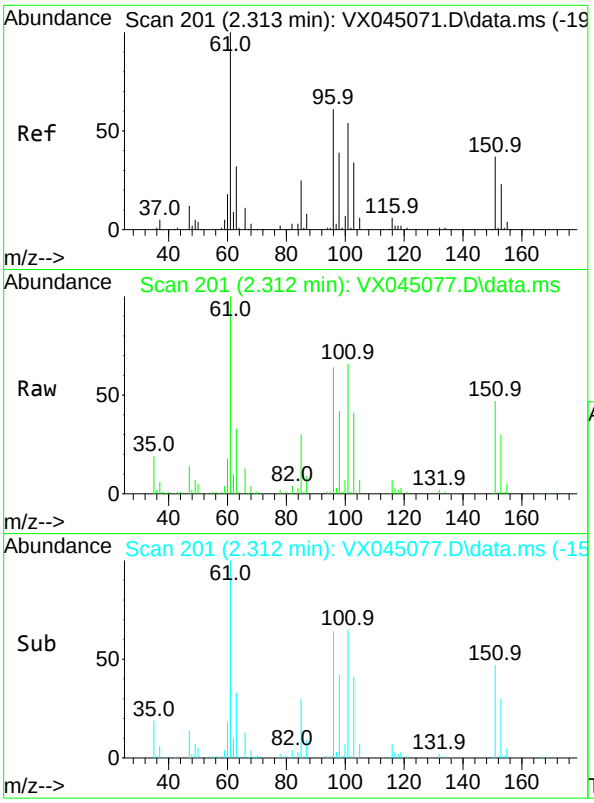


#8
Diethyl Ether
Concen: 45.828 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 74 Resp: 40610

Ion	Ratio	Lower	Upper
74	100		
45	103.8	51.5	154.5



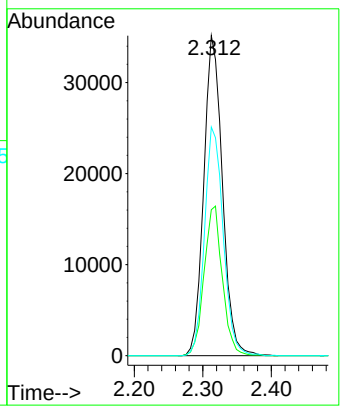


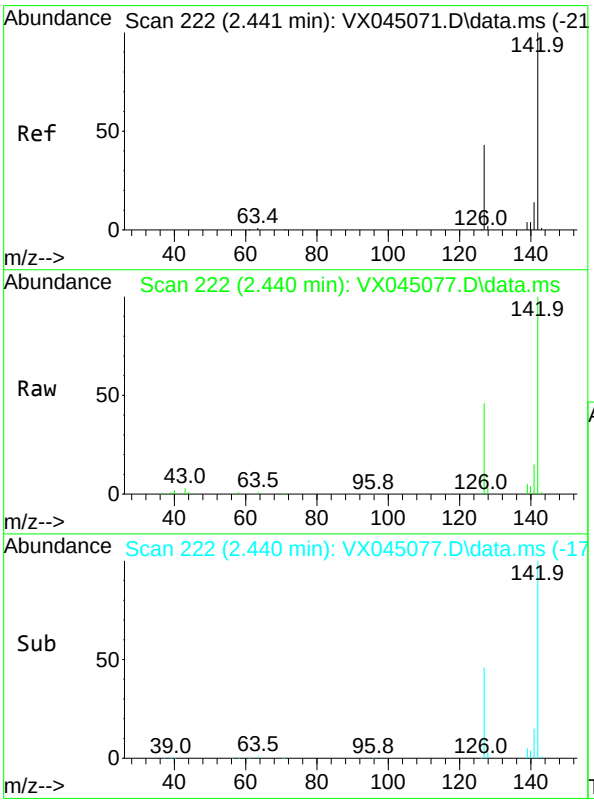
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.199 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 66640

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	71.6	56.4	84.6

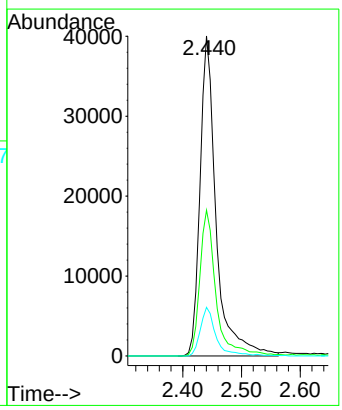


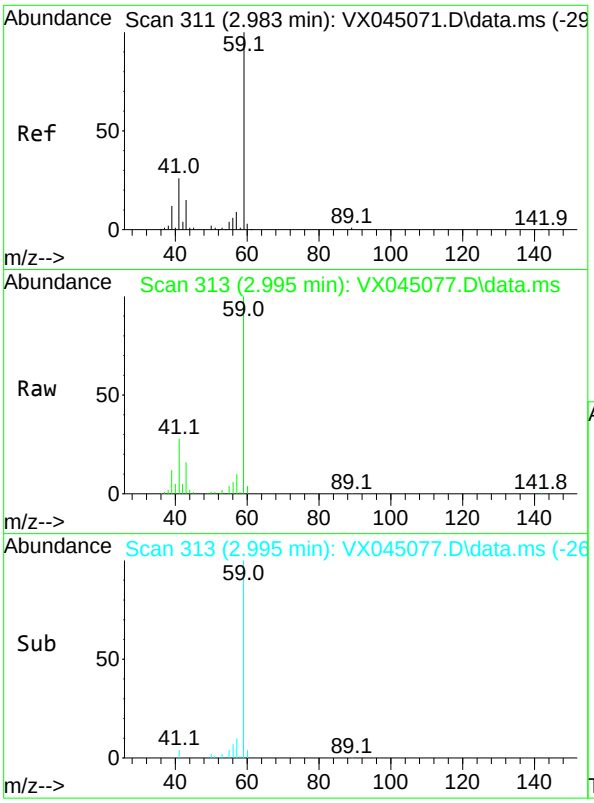


#10
Methyl Iodide
Concen: 46.970 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:142 Resp: 76401

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.4	53.2
141	14.6	11.6	17.4



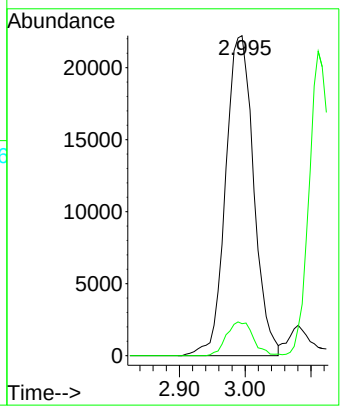


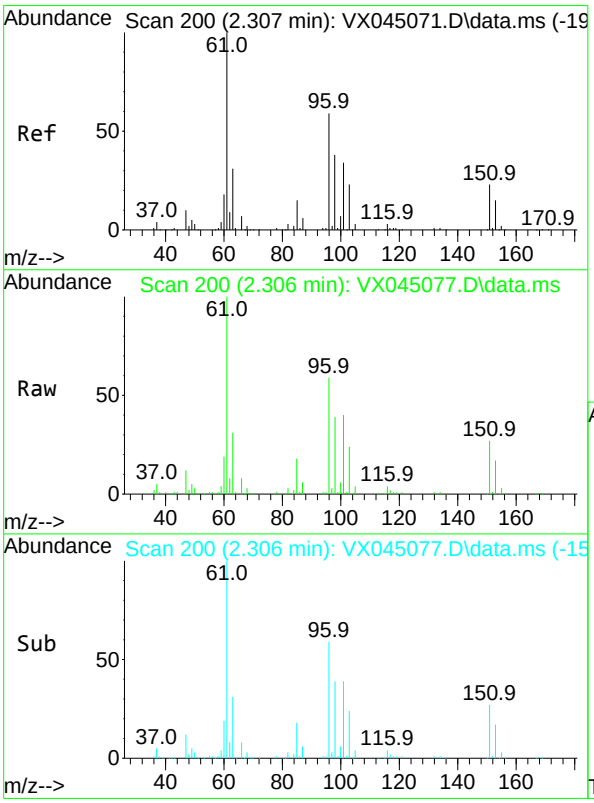
#11
Tert butyl alcohol
Concen: 195.124 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 65838

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8

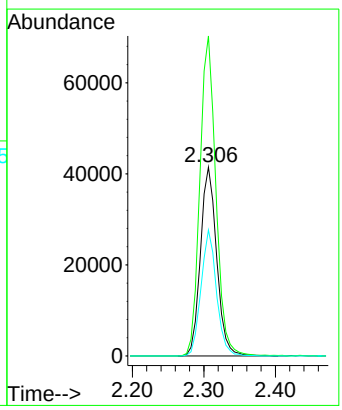


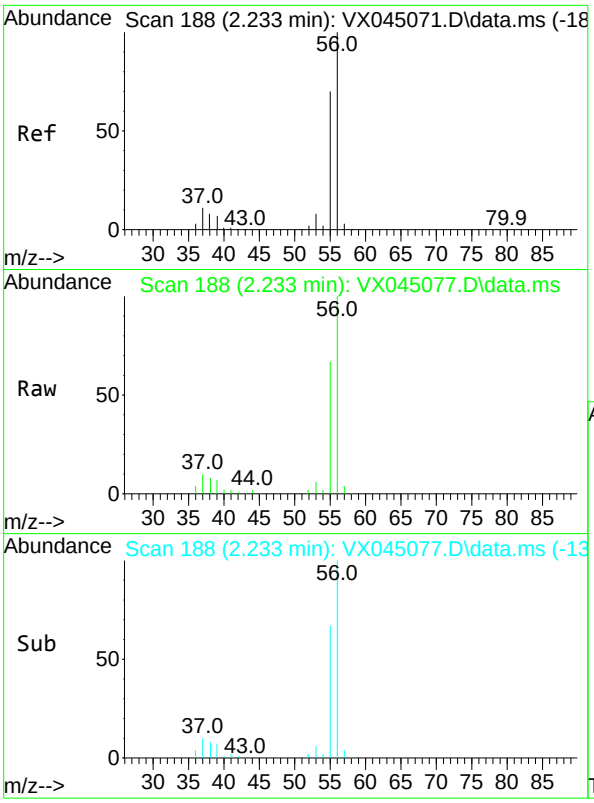


#12
1,1-Dichloroethene
Concen: 47.513 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 96 Resp: 65383

Ion	Ratio	Lower	Upper
96	100		
61	169.5	134.6	202.0
98	66.7	51.0	76.6



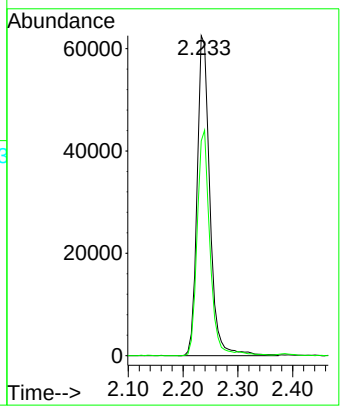


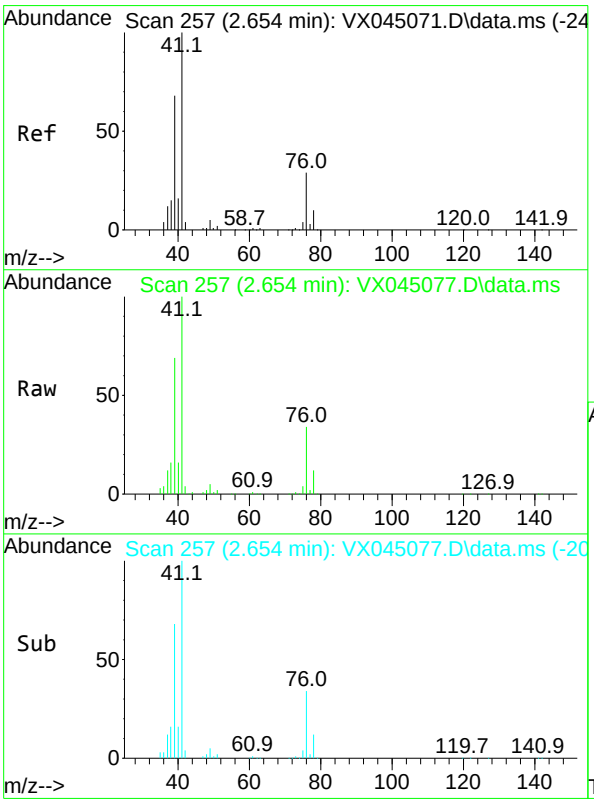
#13
Acrolein
Concen: 260.033 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 101424

Ion	Ratio	Lower	Upper
56	100		
55	69.3	56.2	84.4

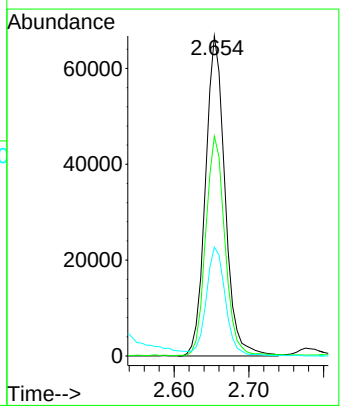


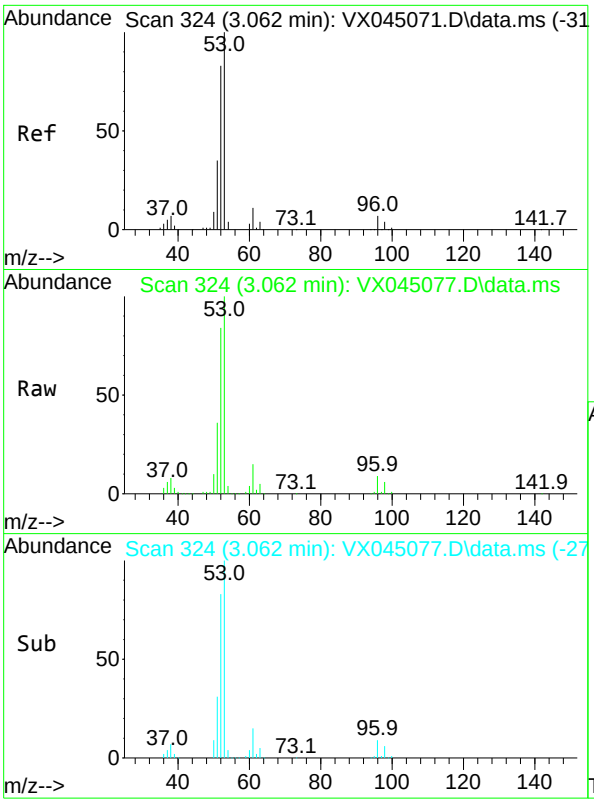


#14
Allyl chloride
Concen: 49.523 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 41 Resp: 121309

Ion	Ratio	Lower	Upper
41	100		
39	67.2	53.8	80.8
76	33.1	25.2	37.8



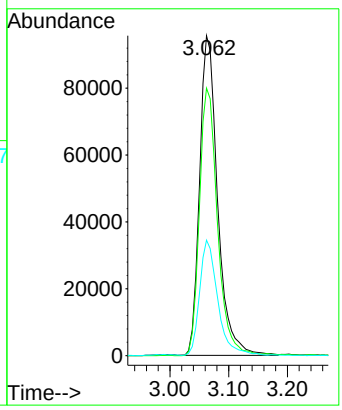


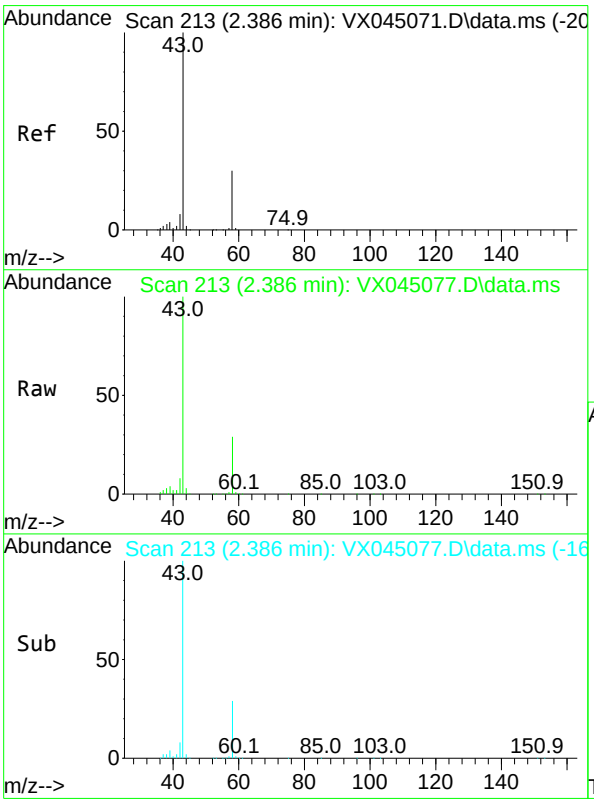
#15
Acrylonitrile
Concen: 224.925 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 203403

Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.2	99.2
51	36.1	29.0	43.4

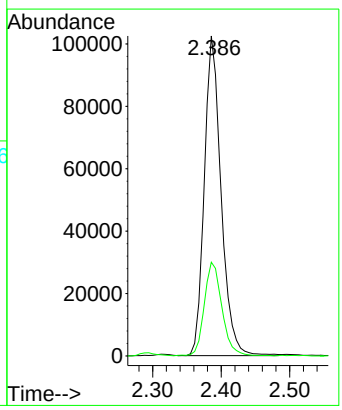


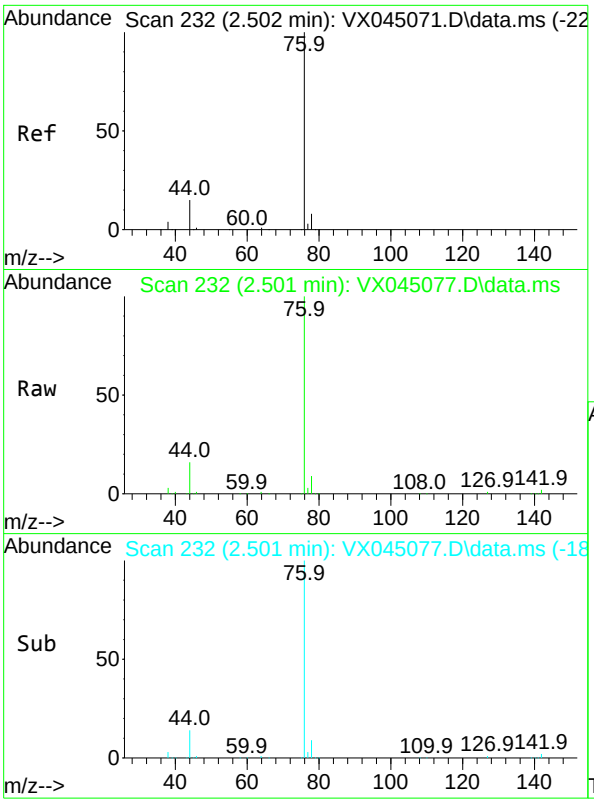


#16
Acetone
Concen: 211.319 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 174653

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.2	36.4



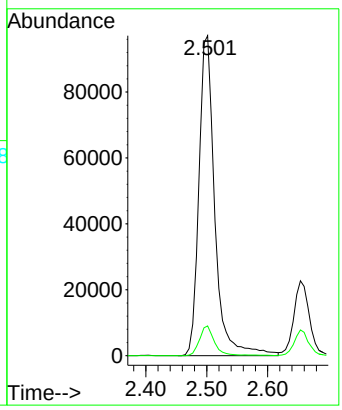


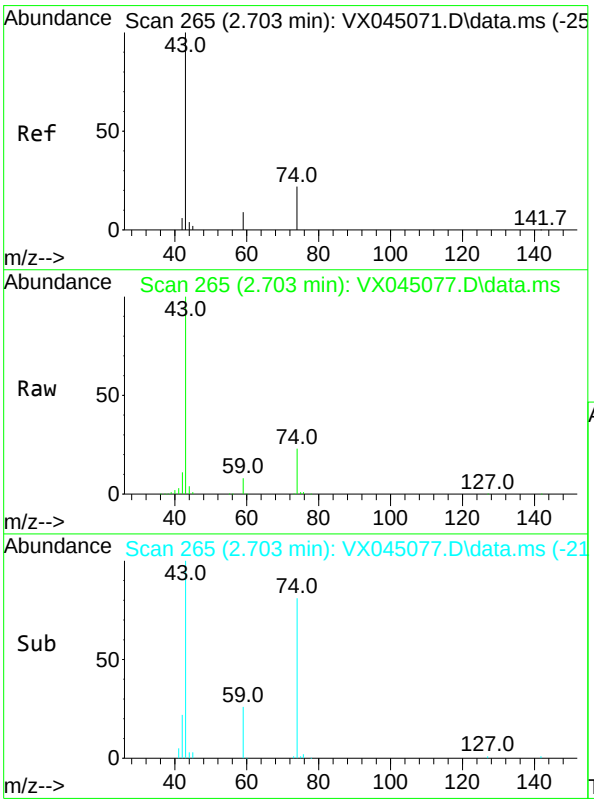
#17
Carbon Disulfide
Concen: 48.016 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 175990

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

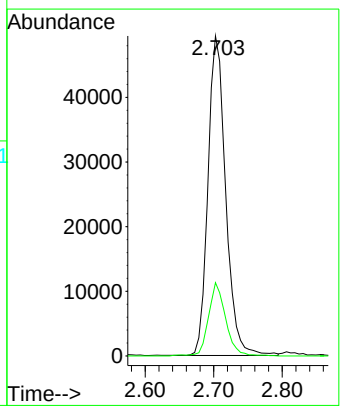


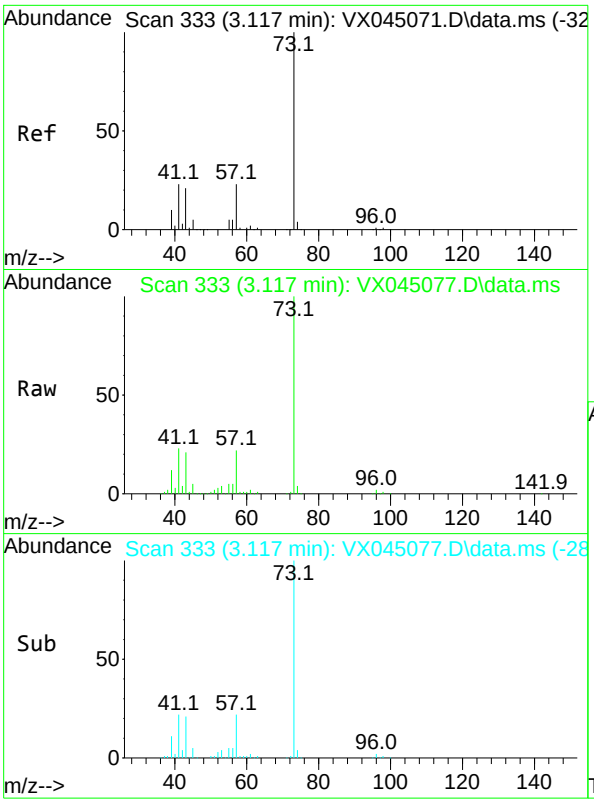


#18
Methyl Acetate
Concen: 44.725 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 88925

Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.4	26.2



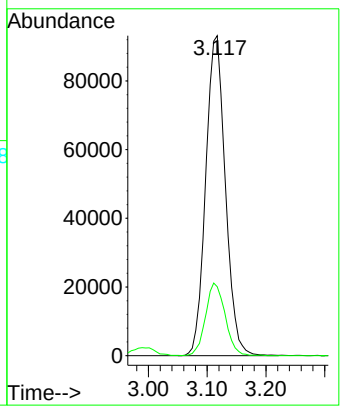


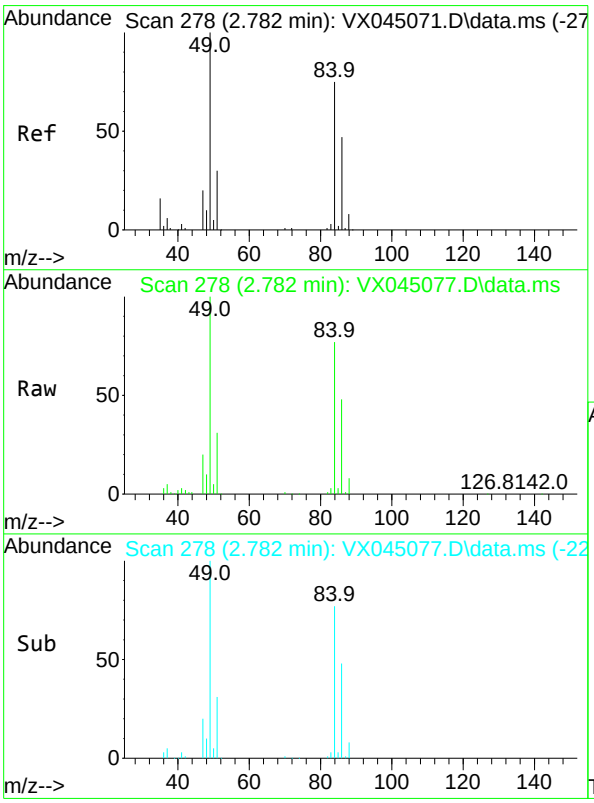
#19
Methyl tert-butyl Ether
Concen: 46.929 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 216663

Ion	Ratio	Lower	Upper
73	100		
57	21.5	18.5	27.7

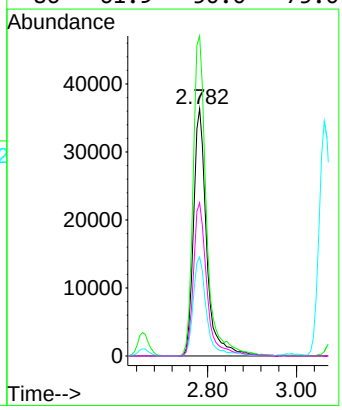


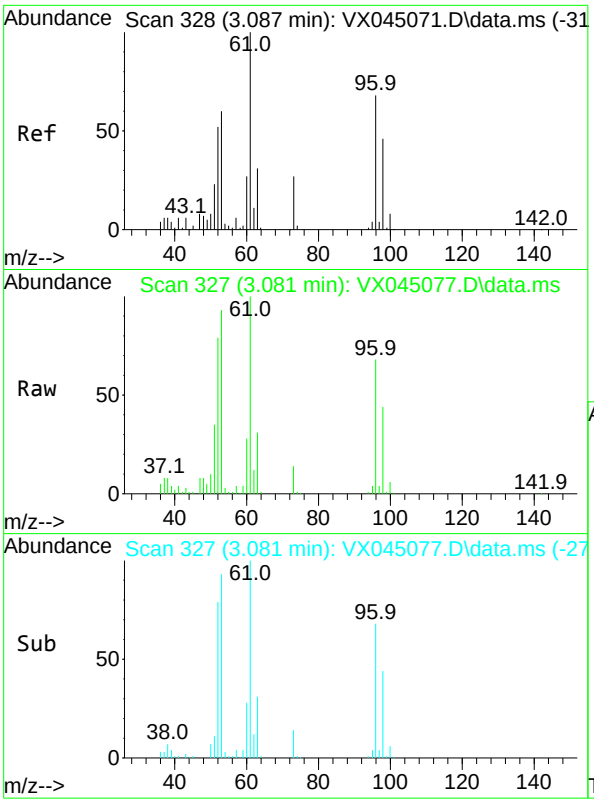


#20
Methylene Chloride
Concen: 45.613 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 84 Resp: 74677

Ion	Ratio	Lower	Upper
84	100		
49	129.4	106.5	159.7
51	40.0	32.1	48.1
86	61.9	50.0	75.0



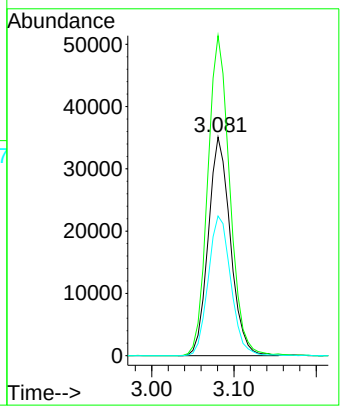


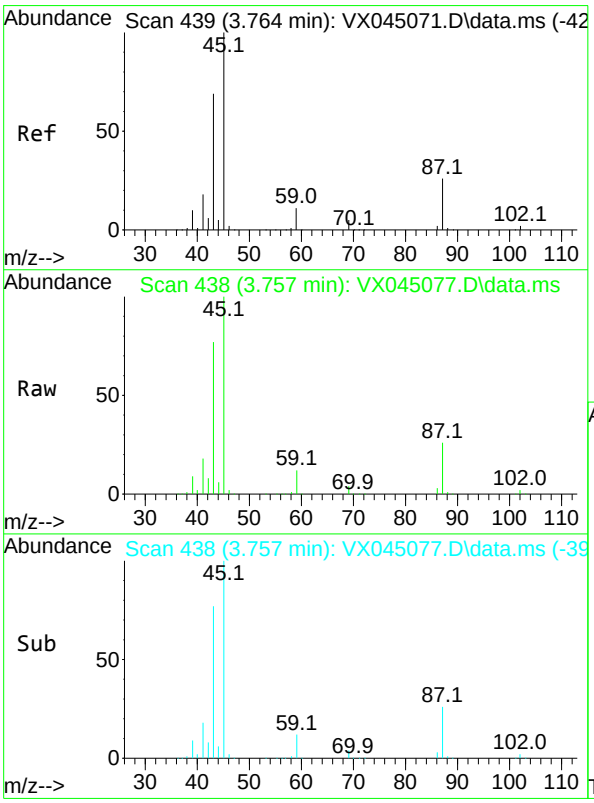
#21
trans-1,2-Dichloroethene
Concen: 48.249 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 65595

Ion	Ratio	Lower	Upper
96	100		
61	146.4	117.0	175.4
98	64.0	53.4	80.2

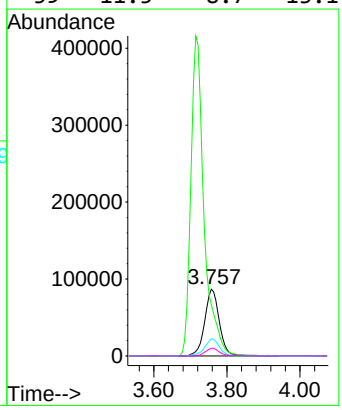


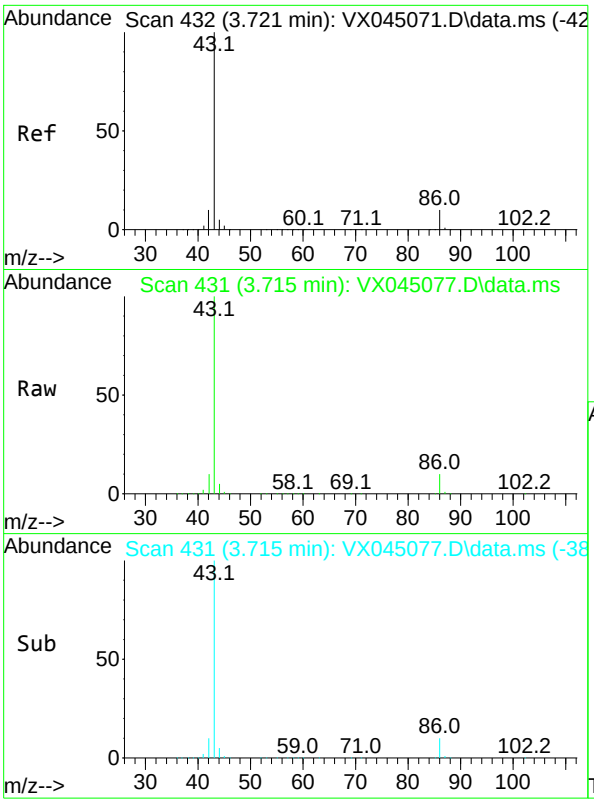


#22
Diisopropyl ether
Concen: 48.301 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 45 Resp: 240622

Ion	Ratio	Lower	Upper
45	100		
43	76.9	54.9	82.3
87	25.7	21.0	31.4
59	11.5	8.7	13.1



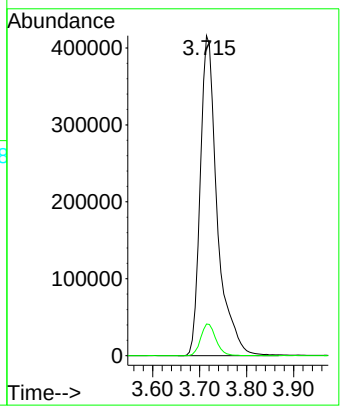


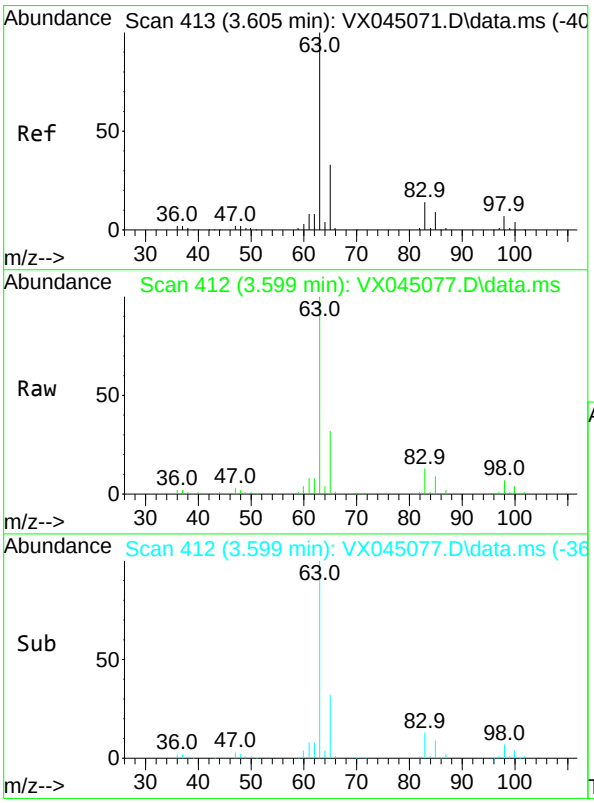
#23
Vinyl Acetate
Concen: 251.185 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1044255

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

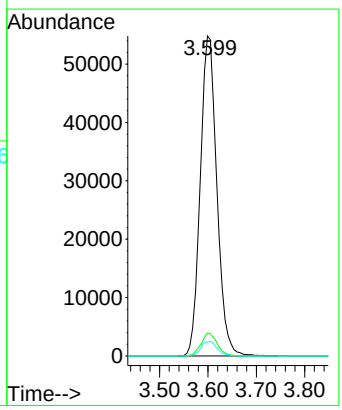


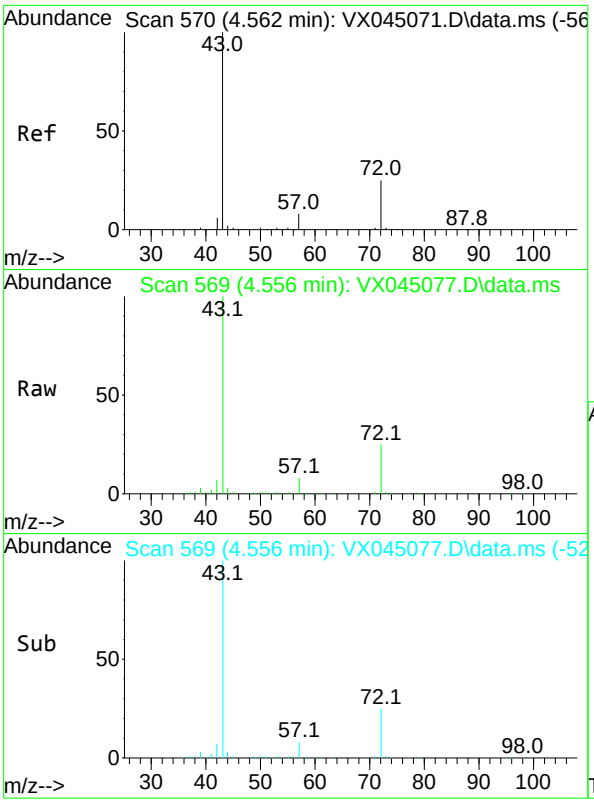


#24
1,1-Dichloroethane
Concen: 46.825 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 63 Resp: 130733

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.2
100	4.4	2.1	6.5



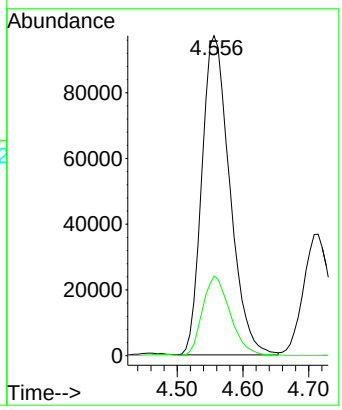


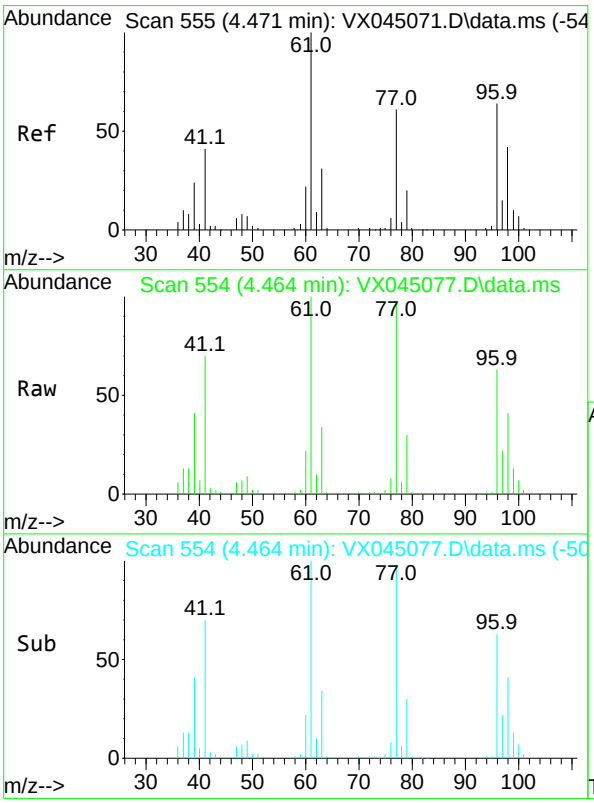
#25
2-Butanone
Concen: 230.258 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 286458

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.0	30.0

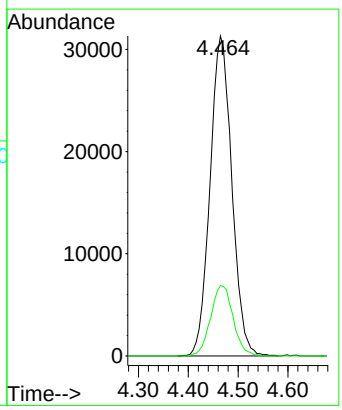


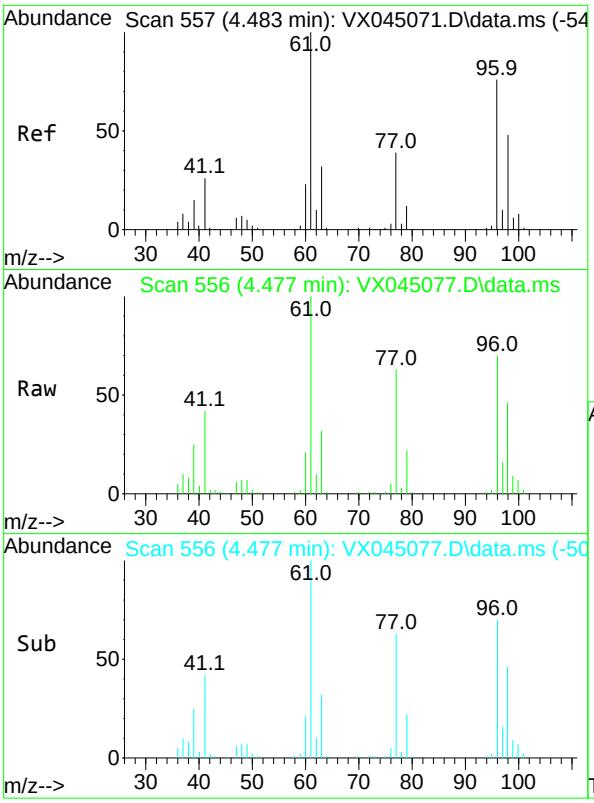


#26
2,2-Dichloropropane
Concen: 72.639 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 77 Resp: 95125

Ion	Ratio	Lower	Upper
77	100		
97	22.7	12.4	37.0



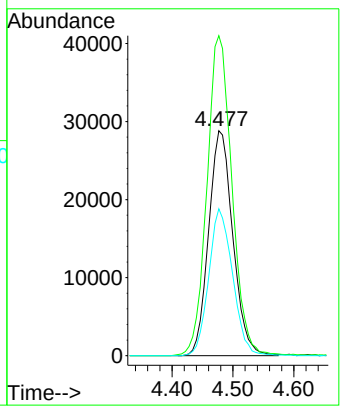


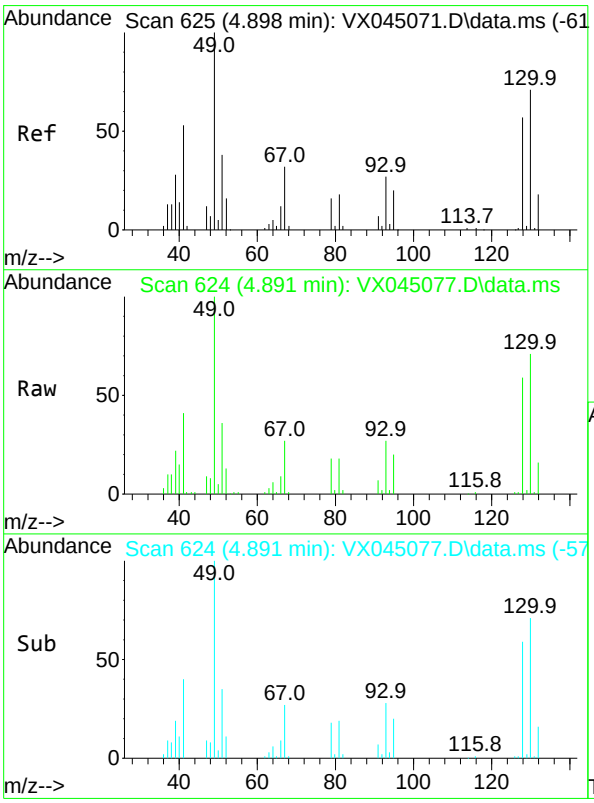
#27
cis-1,2-Dichloroethene
Concen: 47.500 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 79716

Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	283.2
98	64.4	0.0	128.0

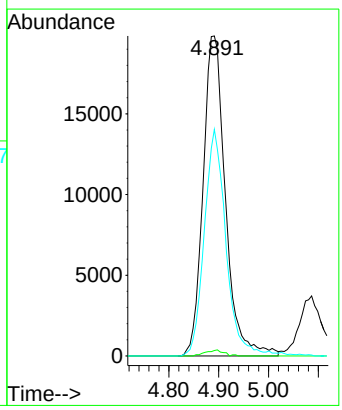


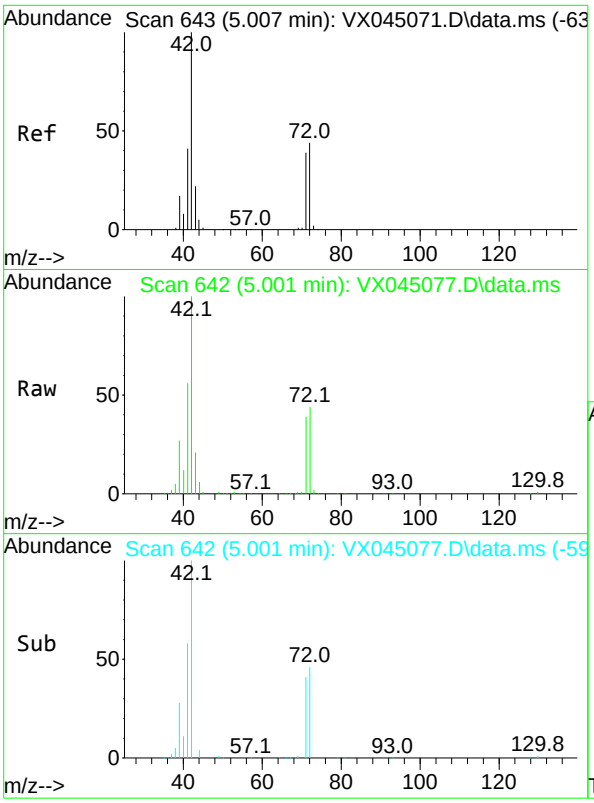


#28
Bromochloromethane
Concen: 46.457 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 49 Resp: 61824

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	68.6	56.1	84.1



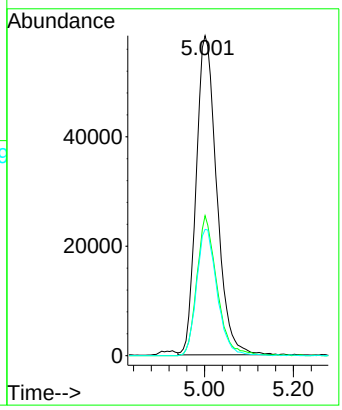


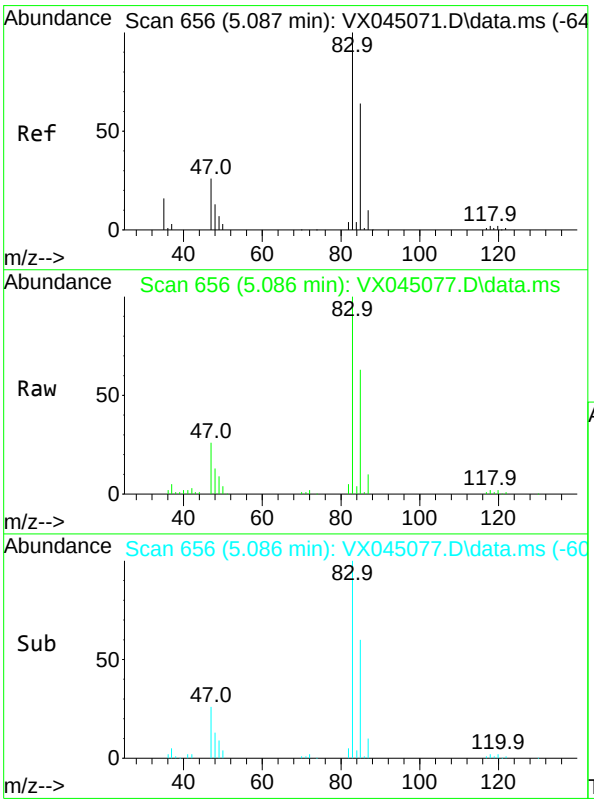
#29
Tetrahydrofuran
Concen: 224.369 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 187451

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.5	31.4	47.0

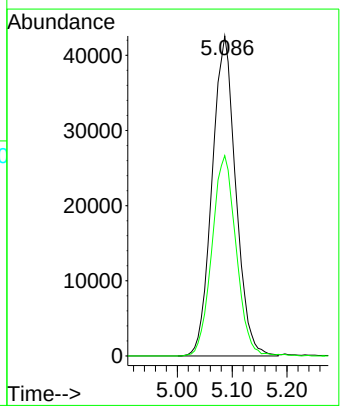


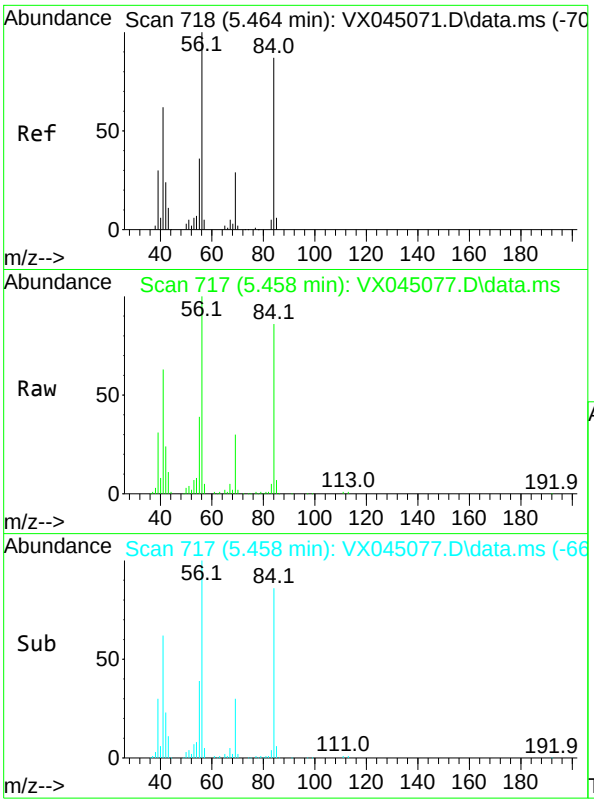


#30
Chloroform
Concen: 46.017 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 83 Resp: 127656

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.4	77.2



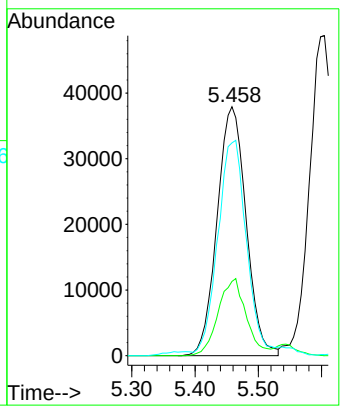


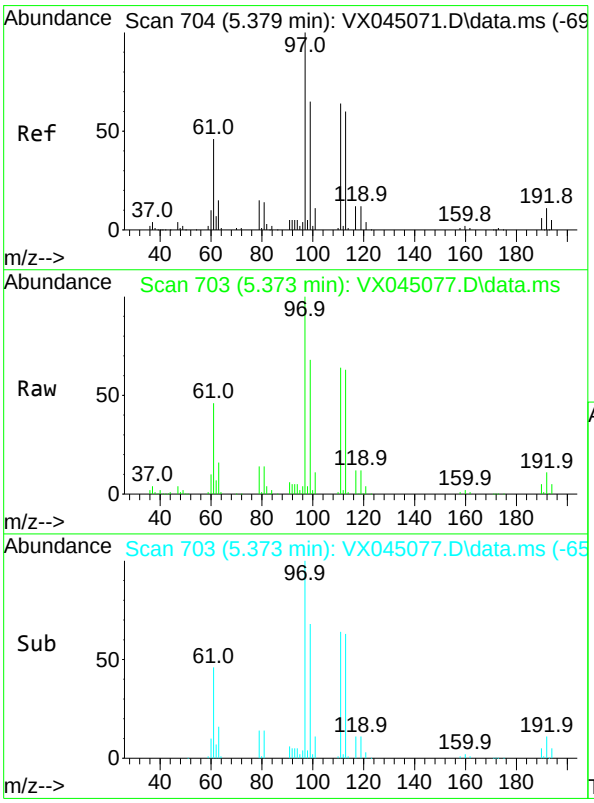
#31
Cyclohexane
Concen: 49.820 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 120742

Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.4	35.2
84	84.1	69.4	104.2

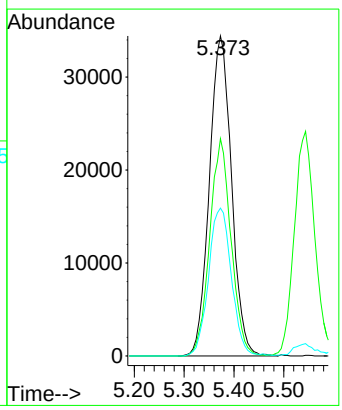


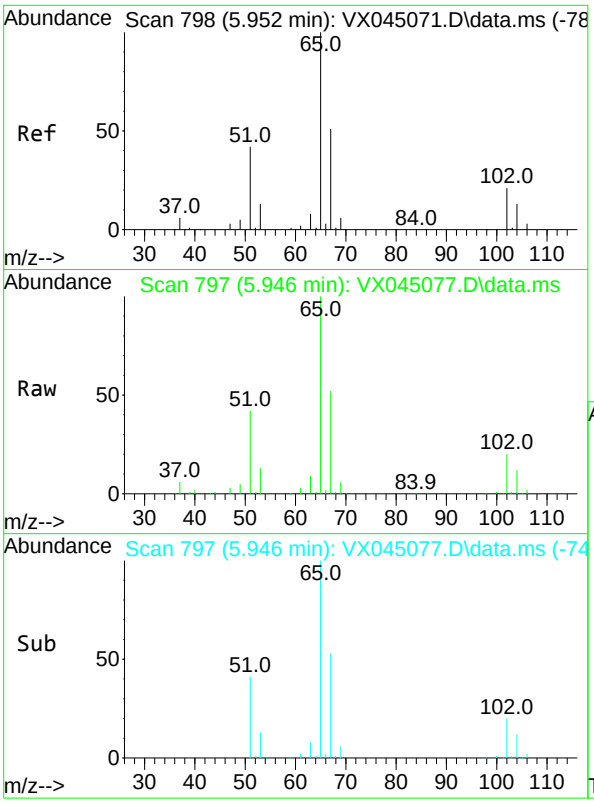


#32
1,1,1-Trichloroethane
Concen: 47.389 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 97 Resp: 106176

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.6	77.4
61	47.9	38.4	57.6



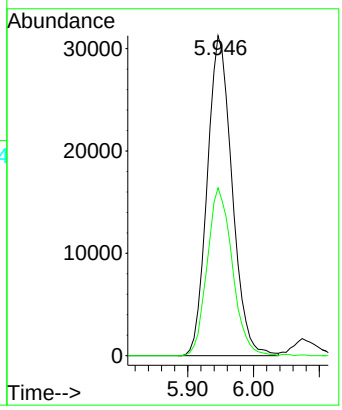


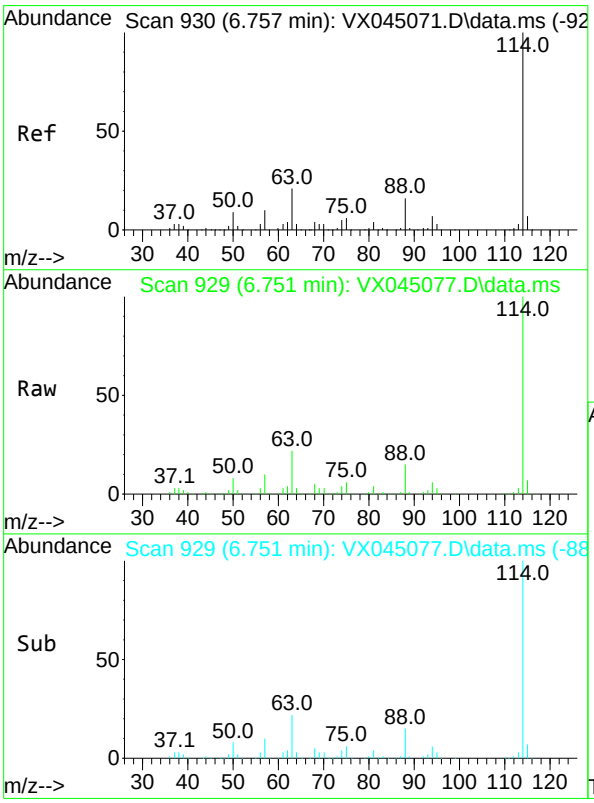
#33
1,2-Dichloroethane-d4
Concen: 46.113 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 82143

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.2

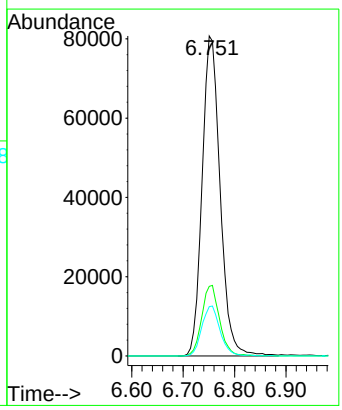


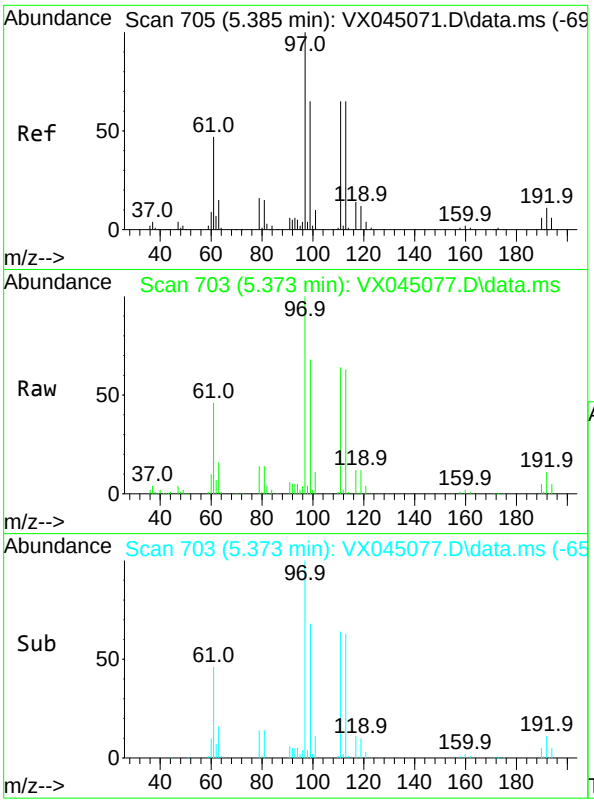


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:114 Resp: 196414

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	15.4	0.0	32.8



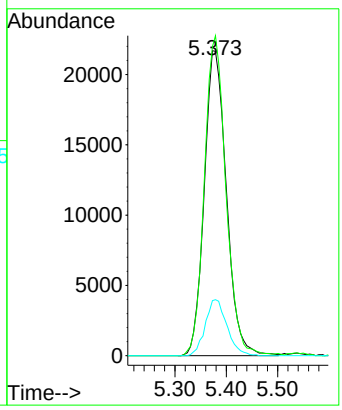


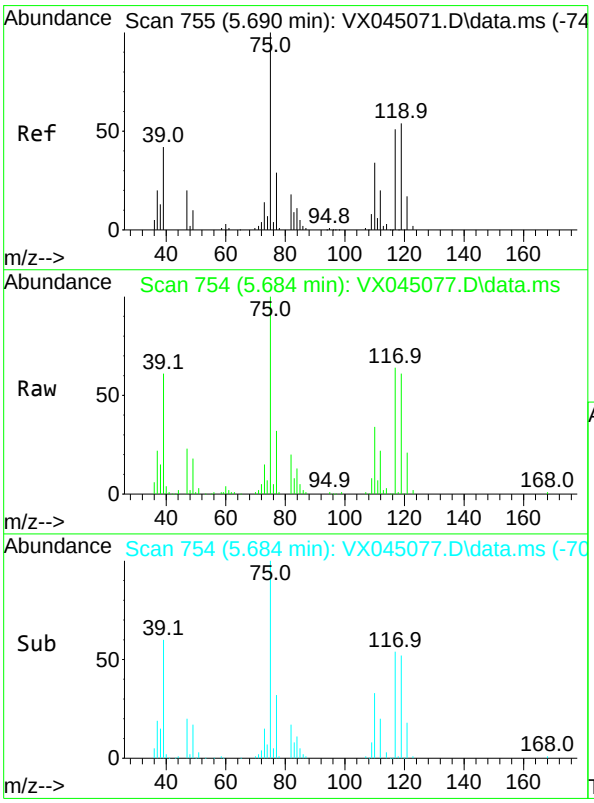
#35
Dibromofluoromethane
Concen: 49.532 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 65054

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	18.0	14.3	21.5

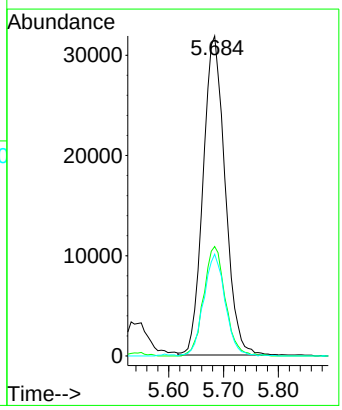


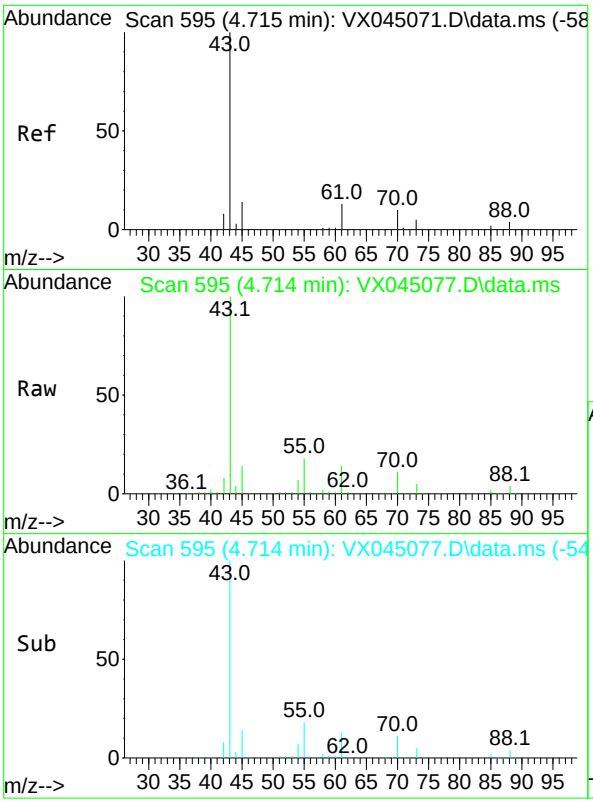


#36
1,1-Dichloropropene
Concen: 49.241 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 88691

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	31.1	24.5	36.7



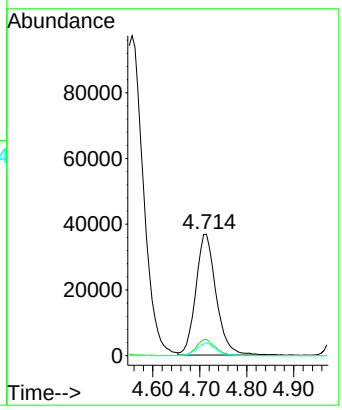


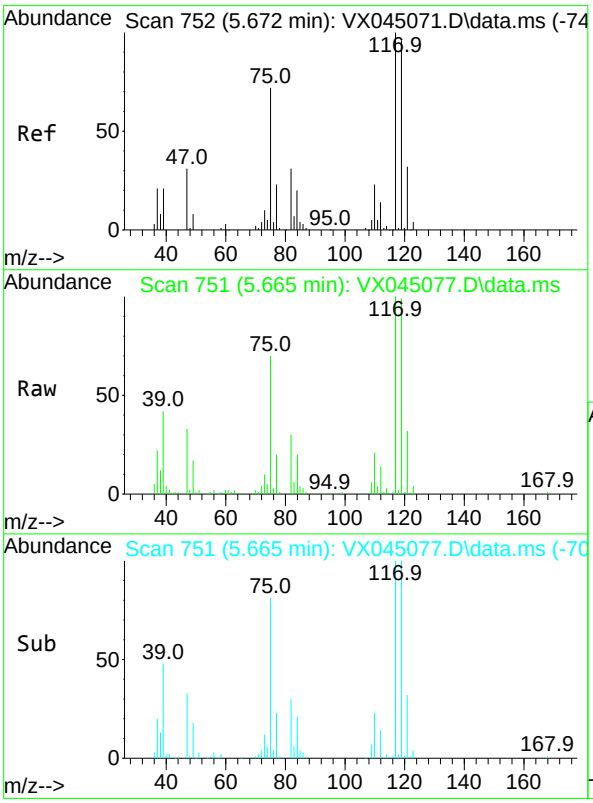
#37
Ethyl Acetate
Concen: 47.651 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 110594

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.8	16.2
70	9.9	7.7	11.5

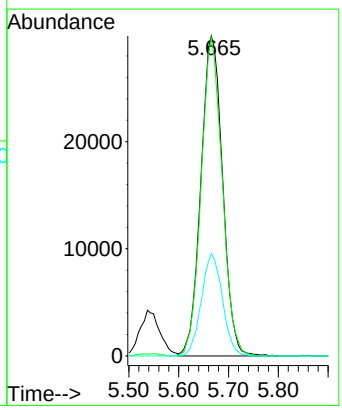


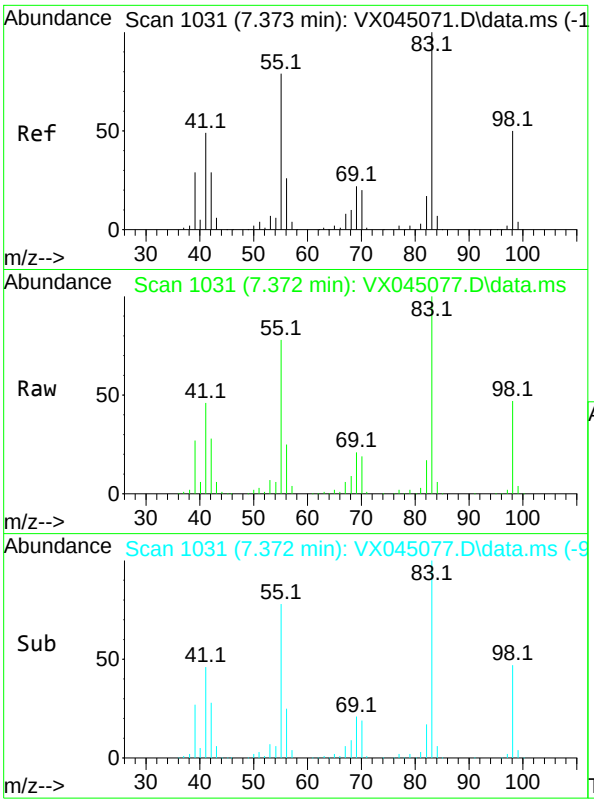


#38
Carbon Tetrachloride
Concen: 49.318 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:117 Resp: 90184

Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.7	115.1
121	32.0	25.5	38.3



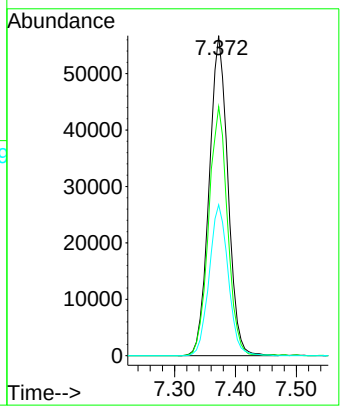


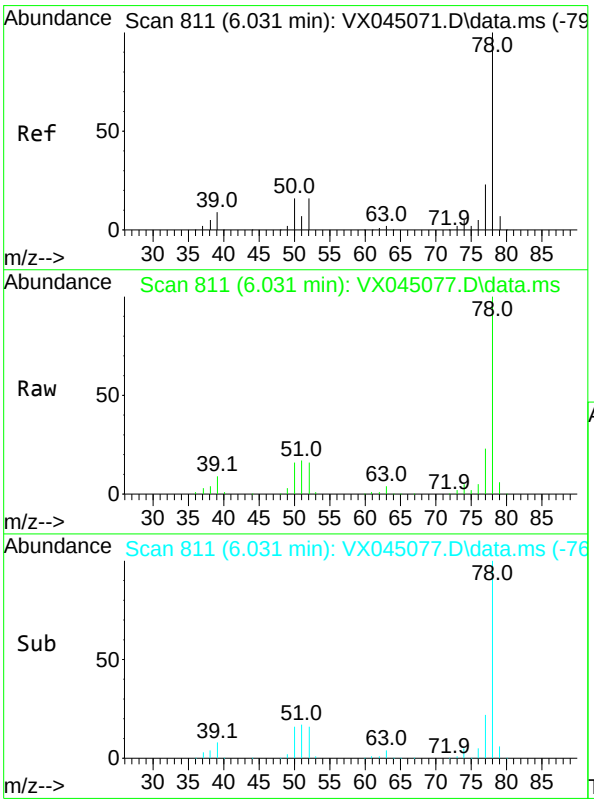
#39
Methylcyclohexane
Concen: 56.161 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 121207

Ion	Ratio	Lower	Upper
83	100		
55	77.8	63.0	94.4
98	47.2	39.7	59.5

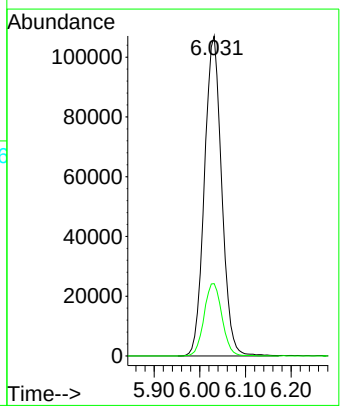


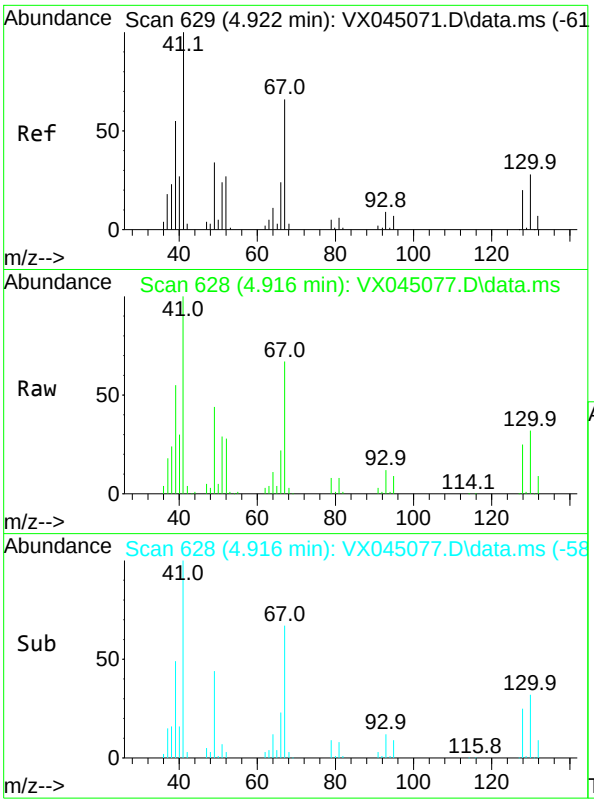


#40
Benzene
Concen: 49.480 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 78 Resp: 281425

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.8	28.2



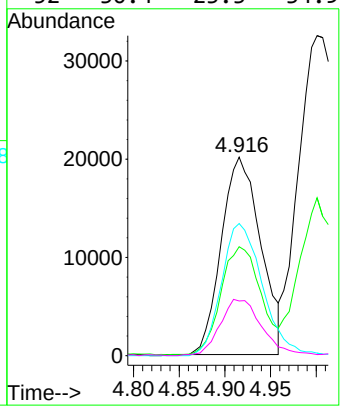


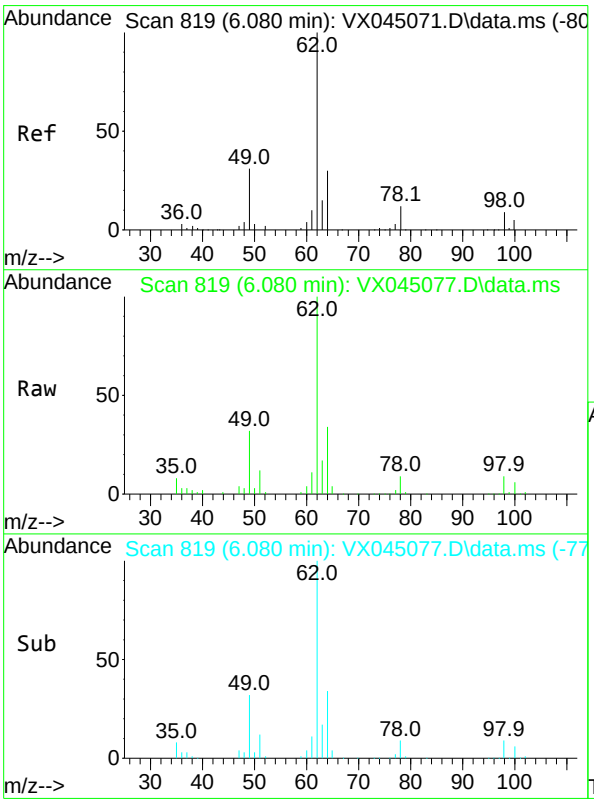
#41
Methacrylonitrile
Concen: 48.126 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 60396

Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.6	67.0
67	69.8	53.9	80.9
52	30.4	23.3	34.9

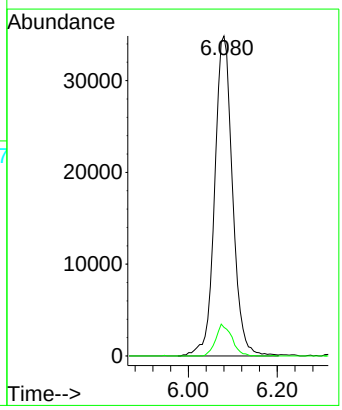


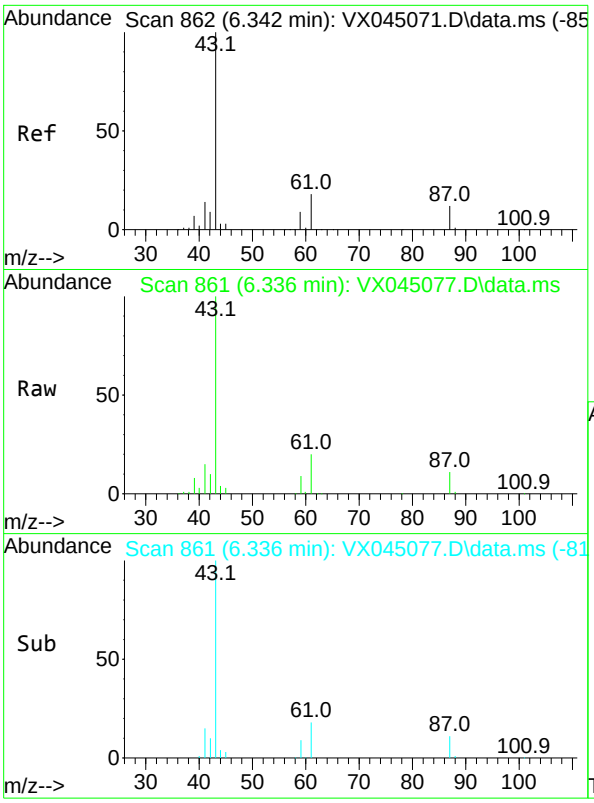


#42
1,2-Dichloroethane
Concen: 47.405 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 62 Resp: 97091

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



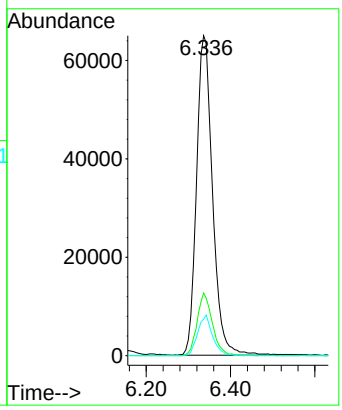


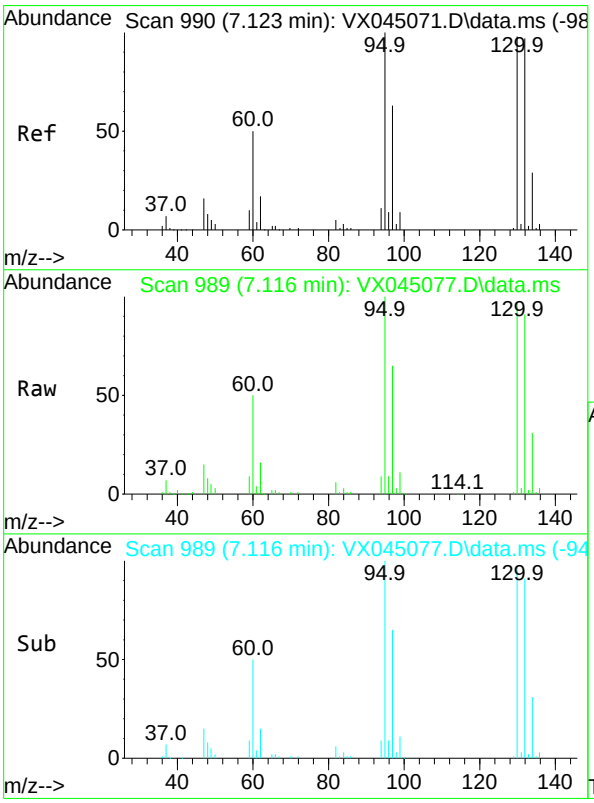
#43
Isopropyl Acetate
Concen: 50.139 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 172076

Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	11.8	9.4	14.2

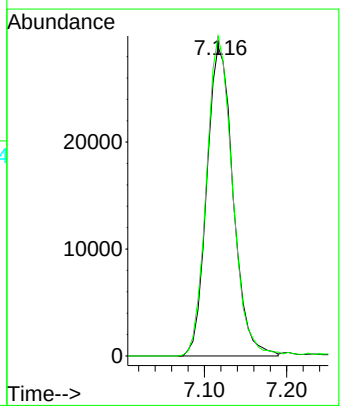


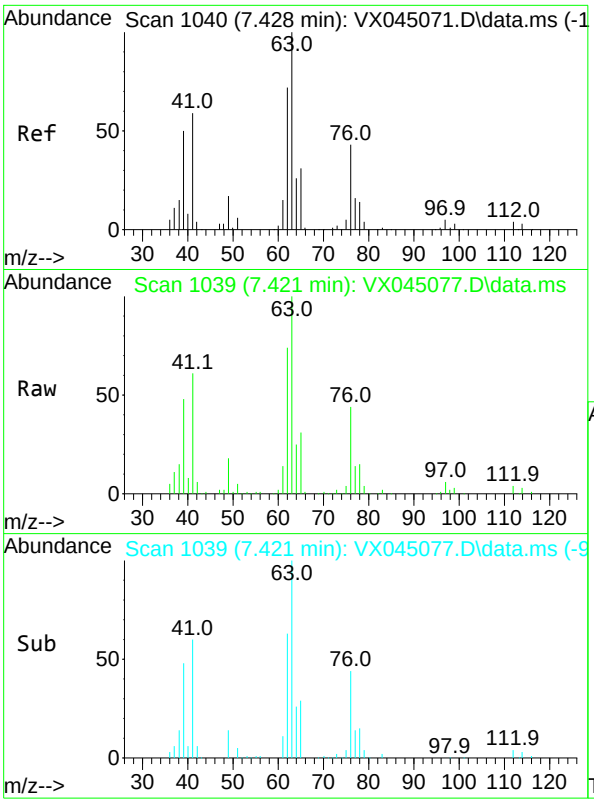


#44
Trichloroethene
Concen: 48.221 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:130 Resp: 64399

Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	205.0



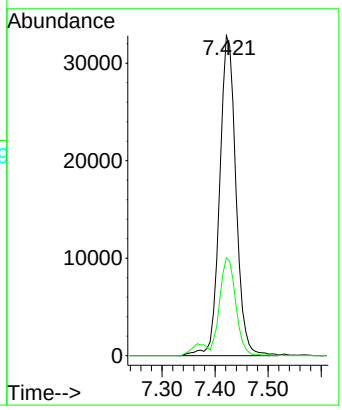


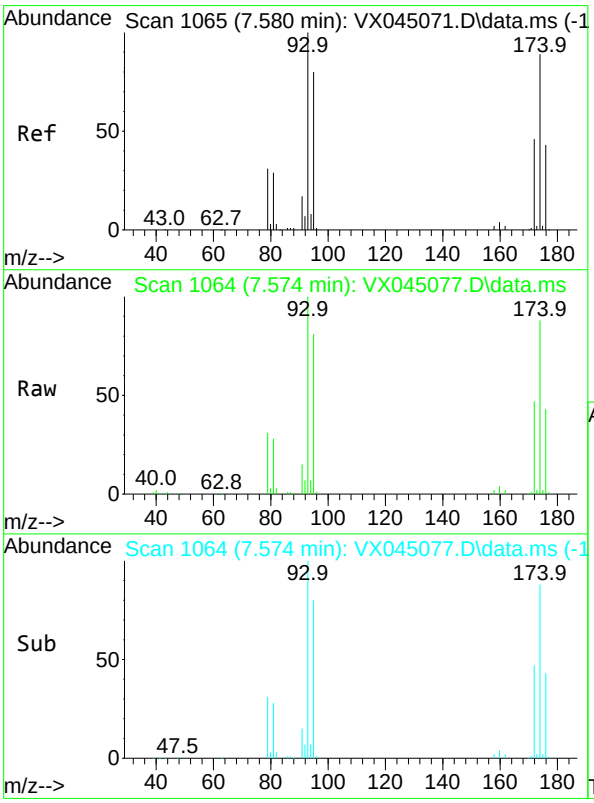
#45
1,2-Dichloropropane
Concen: 48.028 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 70234

Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.7	37.1

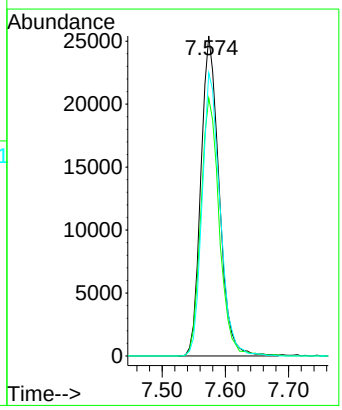


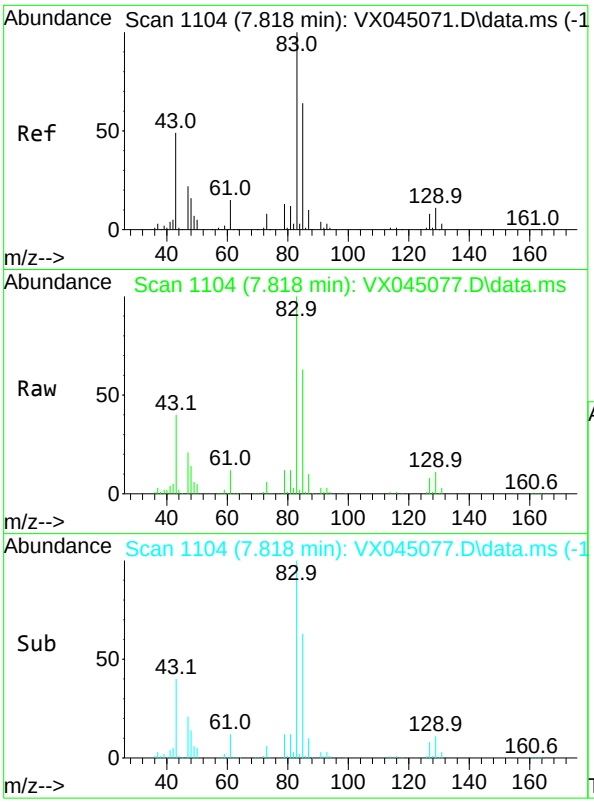


#46
Dibromomethane
Concen: 49.300 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 93 Resp: 50957

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.8	98.8
174	87.1	72.2	108.2



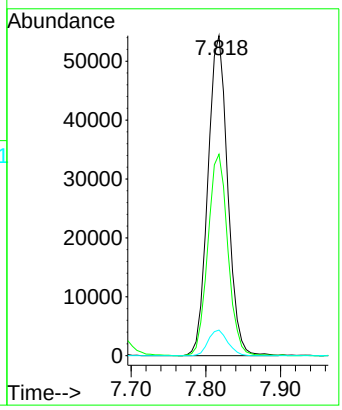


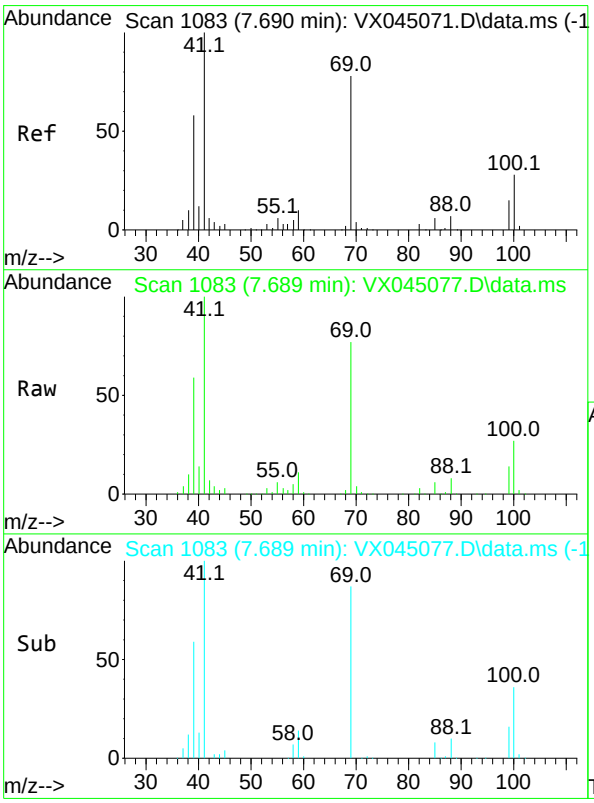
#47
Bromodichloromethane
Concen: 49.243 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 99834

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	8.0	6.4	9.6

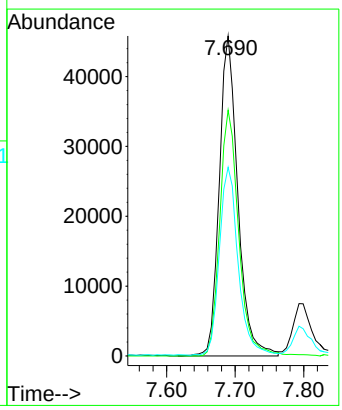


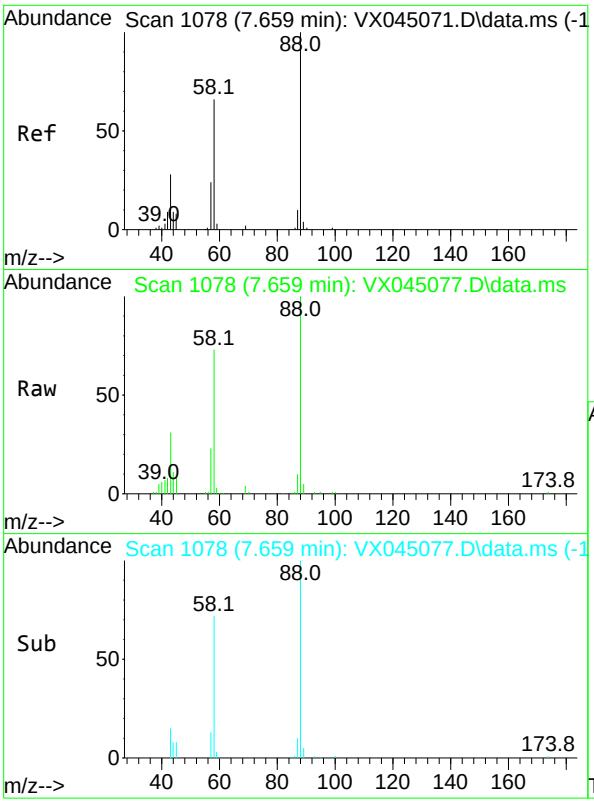


#48
Methyl methacrylate
Concen: 50.032 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 41 Resp: 86144

Ion	Ratio	Lower	Upper
41	100		
69	78.3	63.0	94.6
39	59.5	47.5	71.3



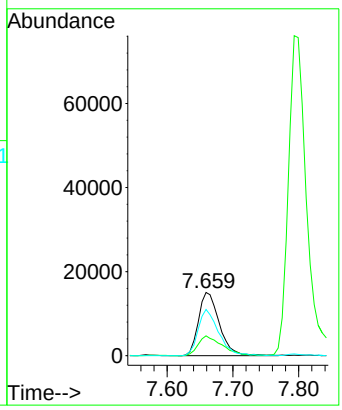


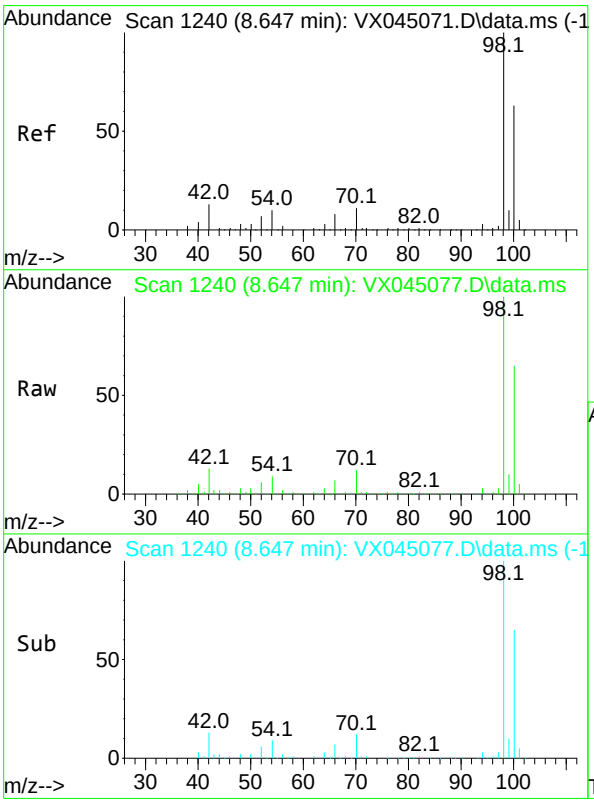
#49
1,4-Dioxane
Concen: 912.798 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 33152

Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.7	43.1
58	72.2	55.8	83.8

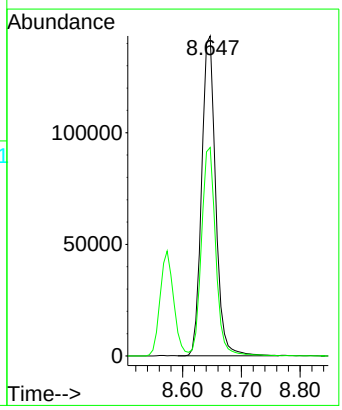


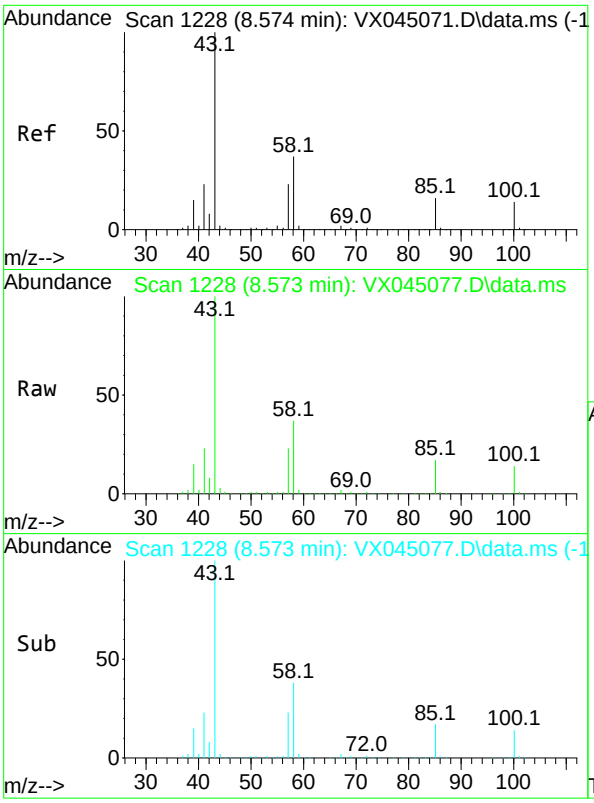


#50
Toluene-d8
Concen: 49.853 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 98 Resp: 237369

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.0	78.0



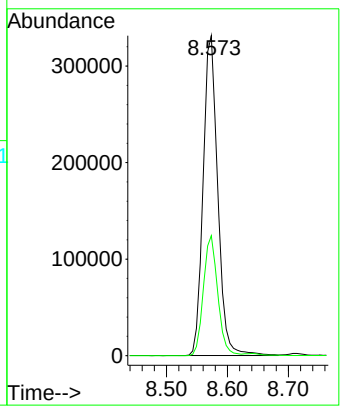


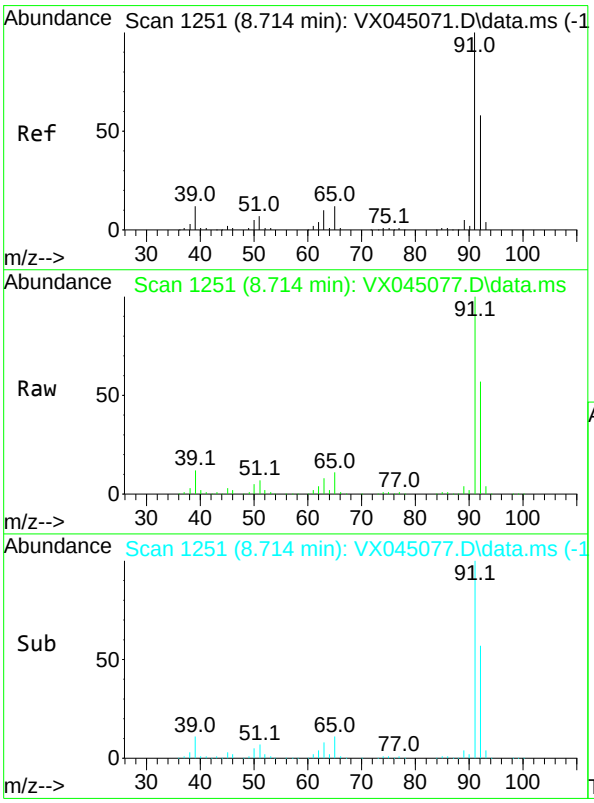
#51
4-Methyl-2-Pentanone
Concen: 240.651 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 554547

Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.2	43.8

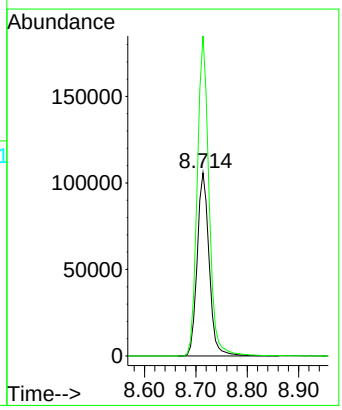


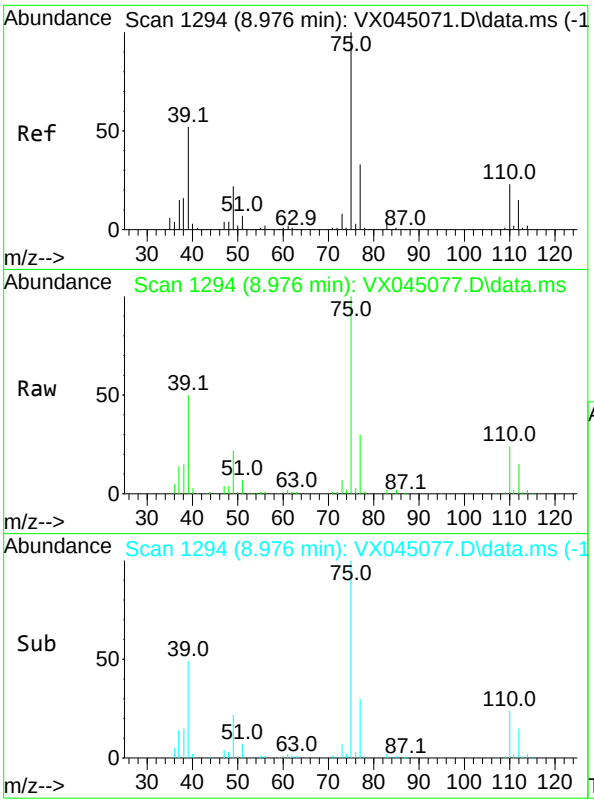


#52
Toluene
Concen: 51.187 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 92 Resp: 170814

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3



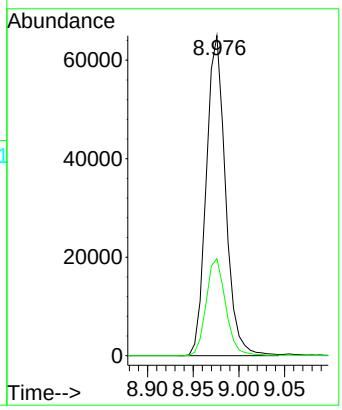


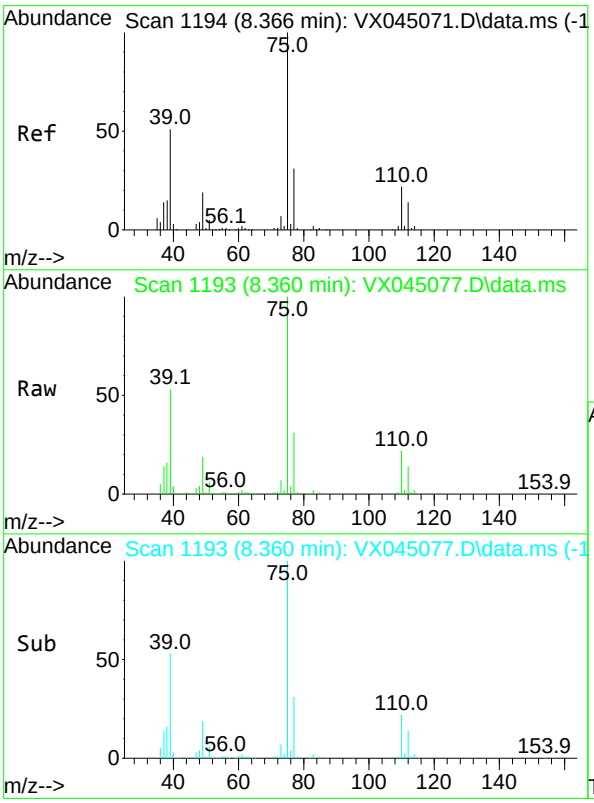
#53
t-1,3-Dichloropropene
Concen: 55.975 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 94873

Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.5	39.7

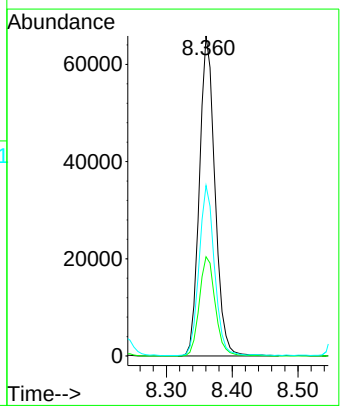


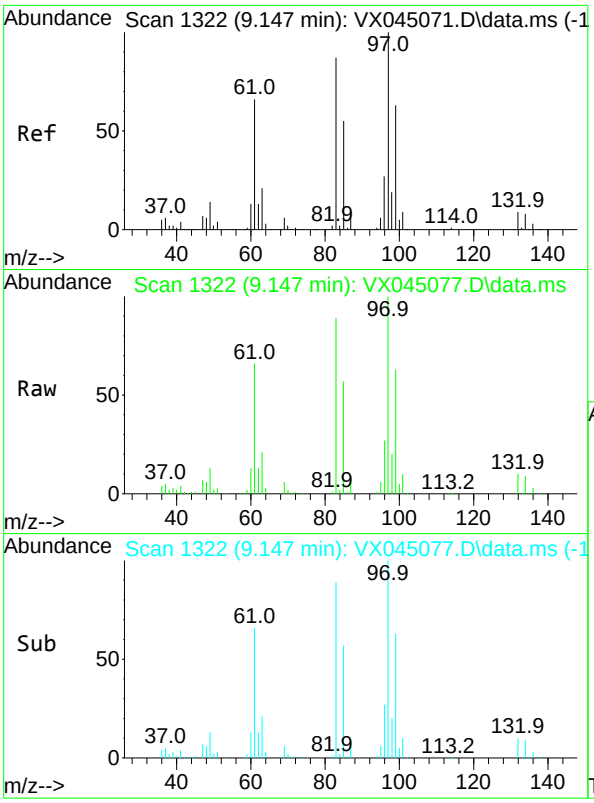


#54
cis-1,3-Dichloropropene
Concen: 54.755 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 108220

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.7	37.1
39	53.1	40.7	61.1



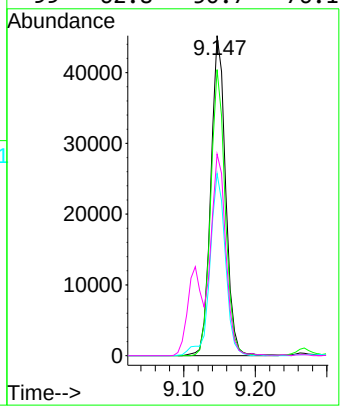


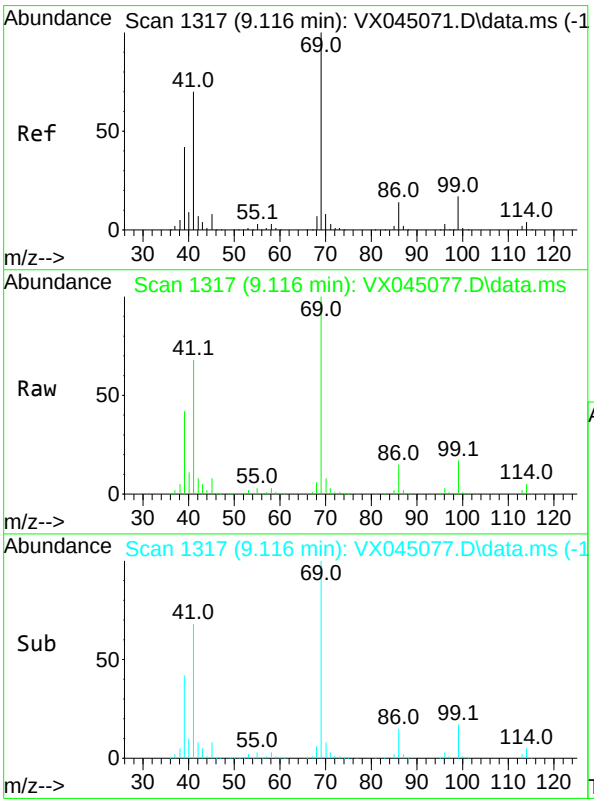
#55
1,1,2-Trichloroethane
Concen: 47.245 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 64904

Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.4	104.2
85	57.0	44.1	66.1
99	62.8	50.7	76.1

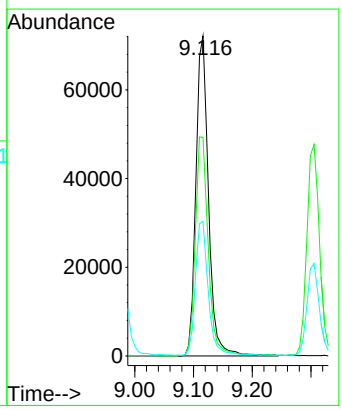


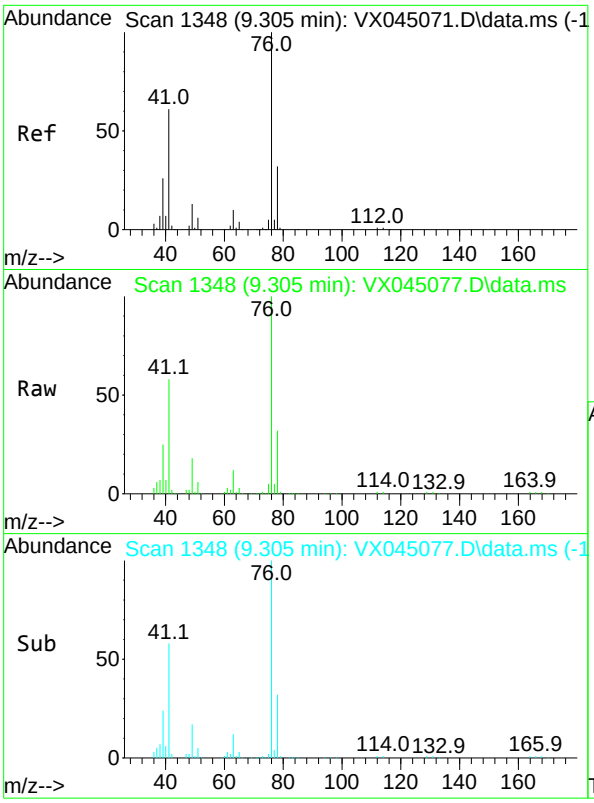


#56
Ethyl methacrylate
Concen: 51.537 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 69 Resp: 107621

Ion	Ratio	Lower	Upper
69	100		
41	70.8	57.0	85.4
39	43.0	34.2	51.4



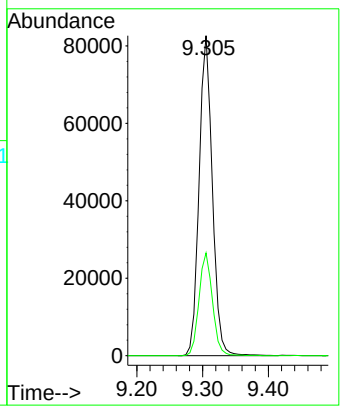


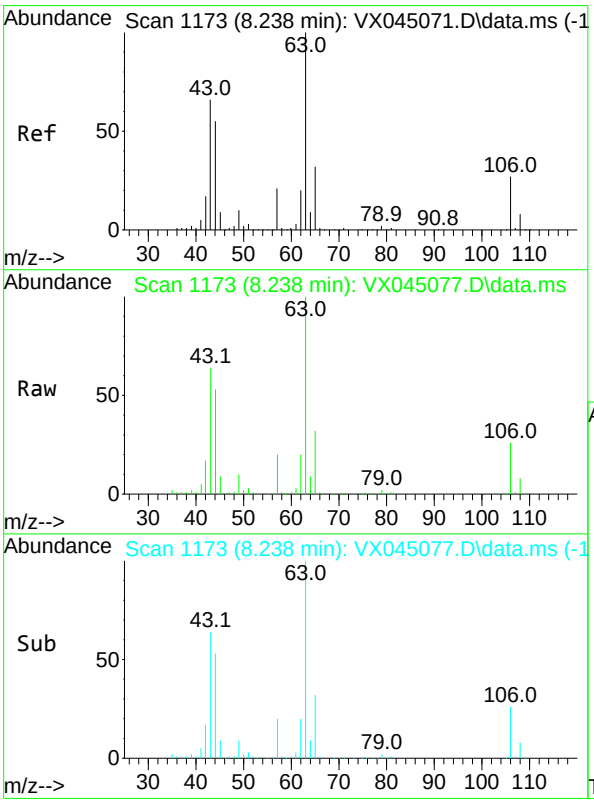
#57
1,3-Dichloropropane
Concen: 48.576 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 115487

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3

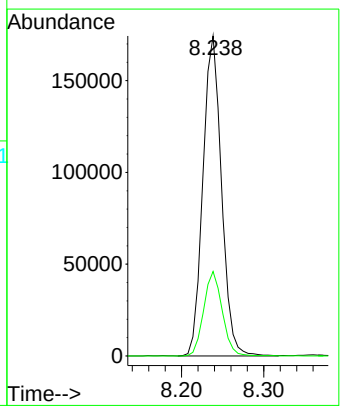


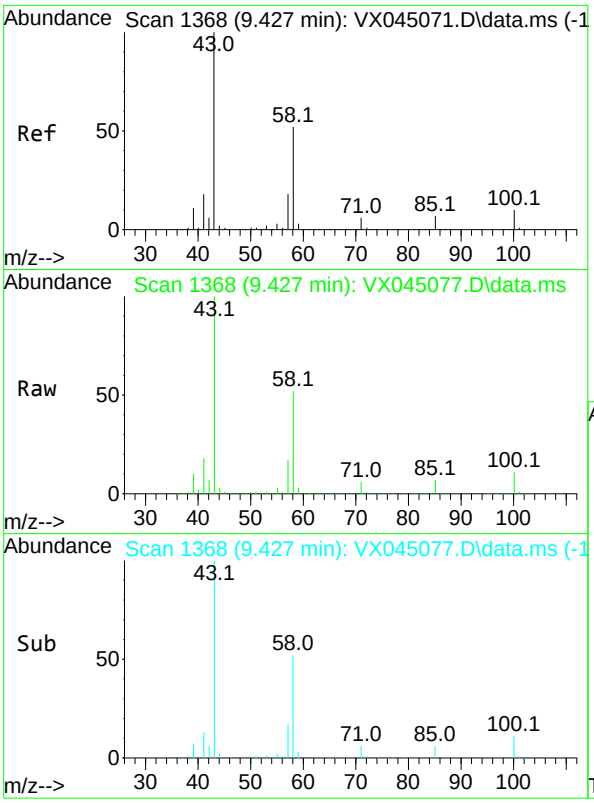


#58
2-Chloroethyl Vinyl ether
Concen: 268.530 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 63 Resp: 273540

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.5	32.3



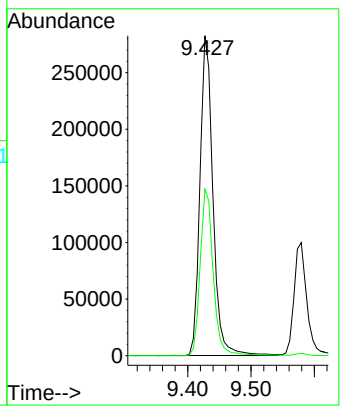


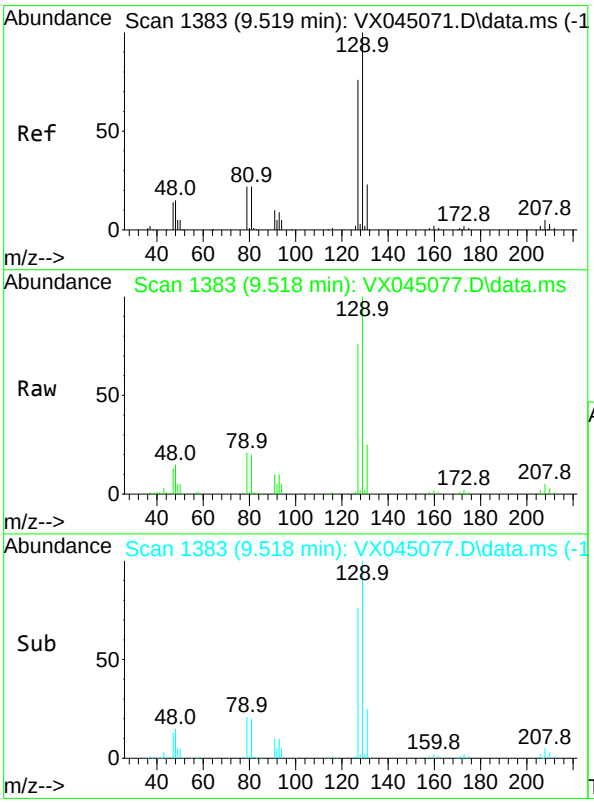
#59
2-Hexanone
Concen: 241.811 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 403729

Ion	Ratio	Lower	Upper
43	100		
58	52.4	25.9	77.6

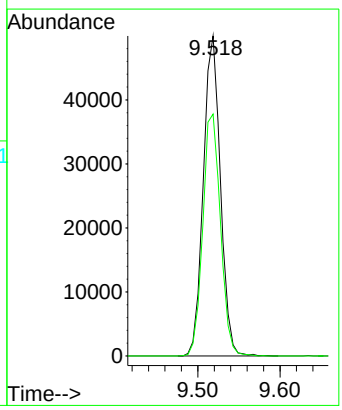


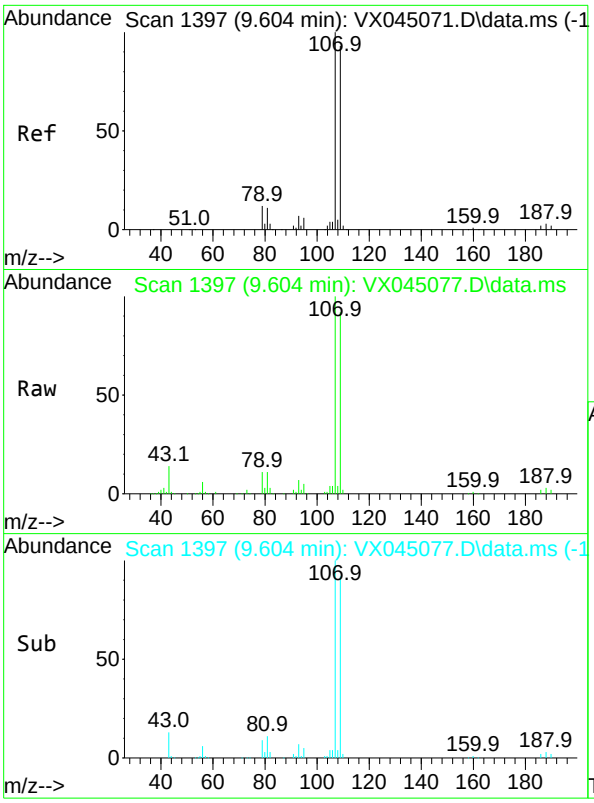


#60
Dibromochloromethane
Concen: 50.220 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:129 Resp: 72136

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.5	115.5



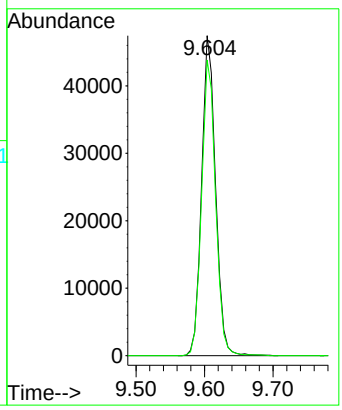


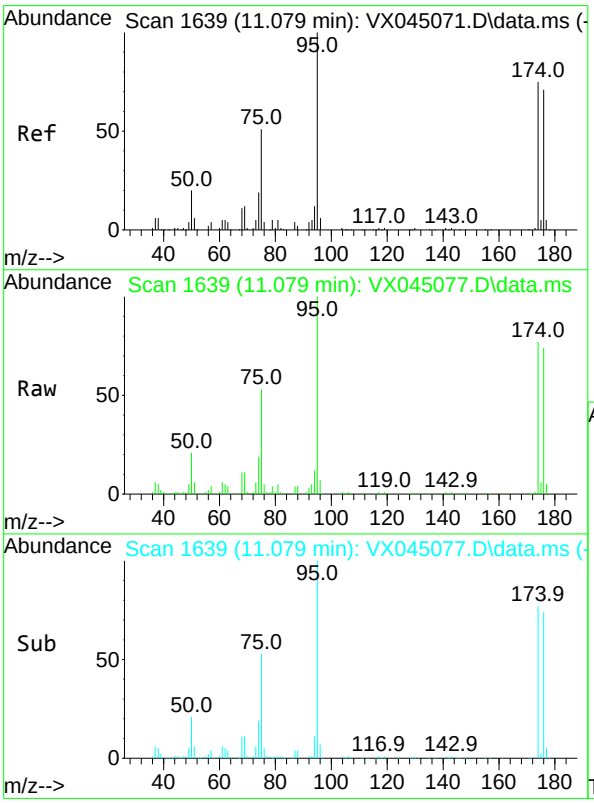
#61
1,2-Dibromoethane
Concen: 48.992 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 67190

Ion	Ratio	Lower	Upper
107	100		
109	92.7	76.1	114.1

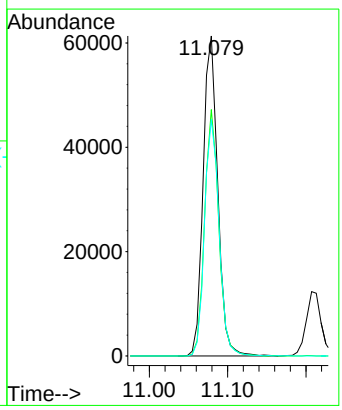


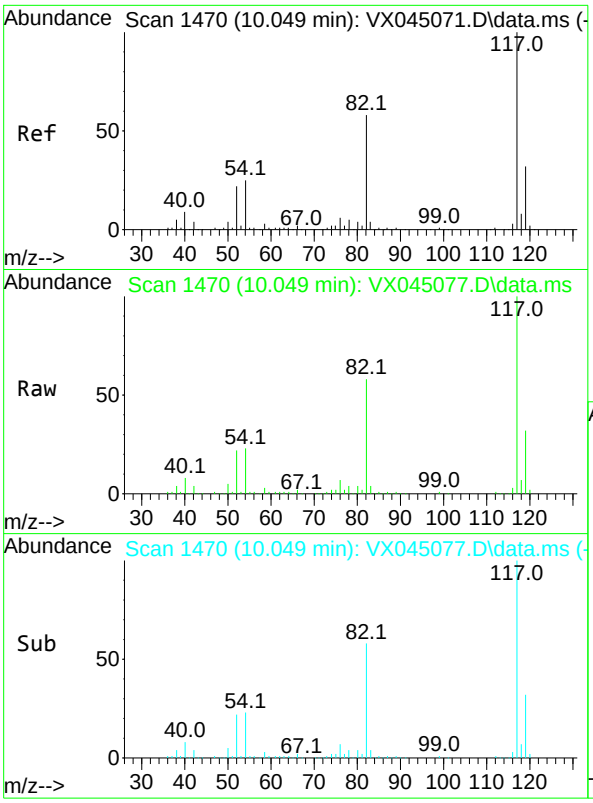


#62
4-Bromofluorobenzene
Concen: 50.332 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 95 Resp: 79413

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	148.2
176	73.4	0.0	141.4



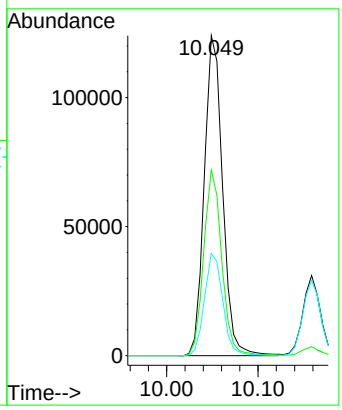


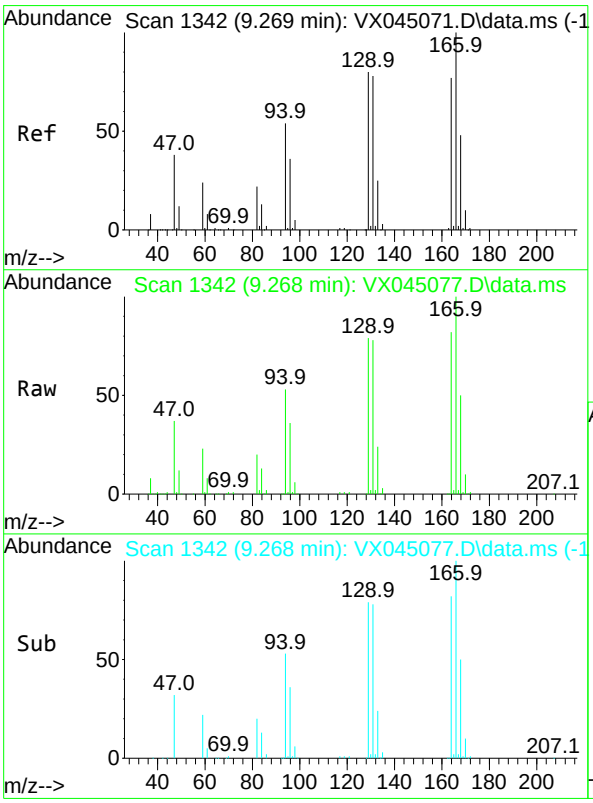
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 172369

Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.3	69.5
119	32.0	25.7	38.5

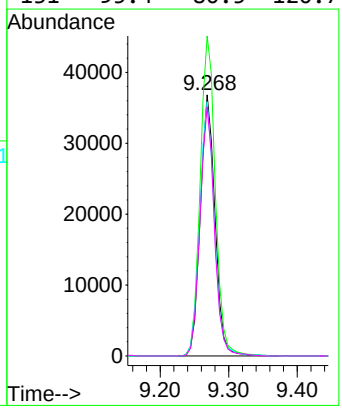


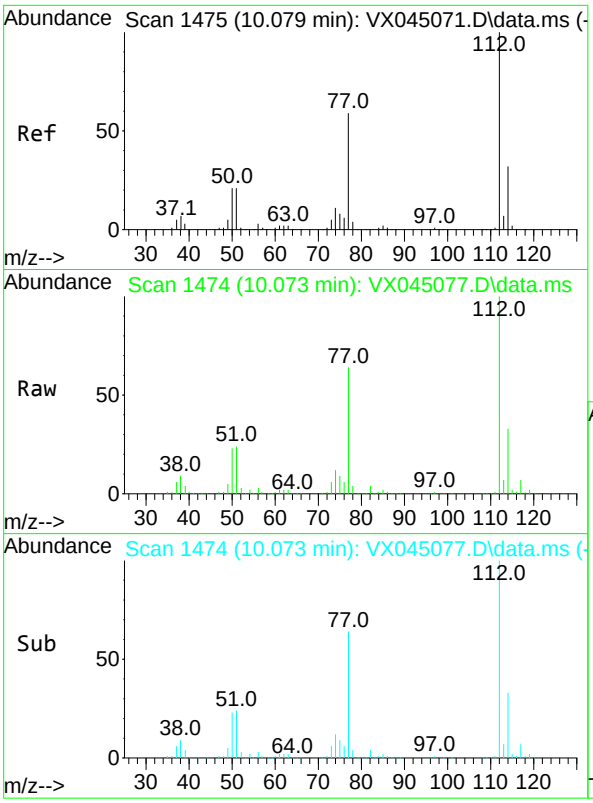


#64
Tetrachloroethene
Concen: 49.741 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:164 Resp: 54912

Ion	Ratio	Lower	Upper
164	100		
166	122.5	103.6	155.4
129	97.4	82.7	124.1
131	95.4	80.5	120.7



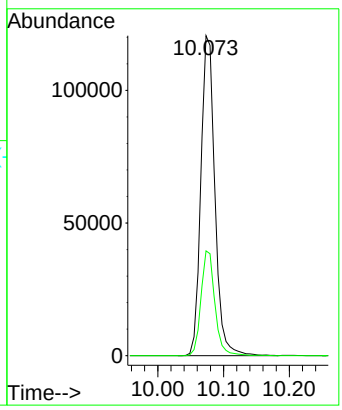


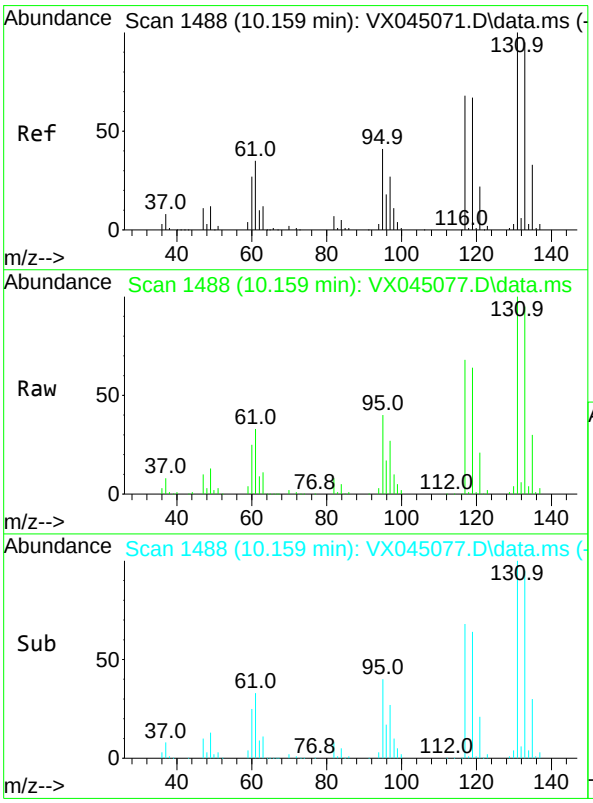
#65
Chlorobenzene
Concen: 49.093 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 179056

Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.0	39.0

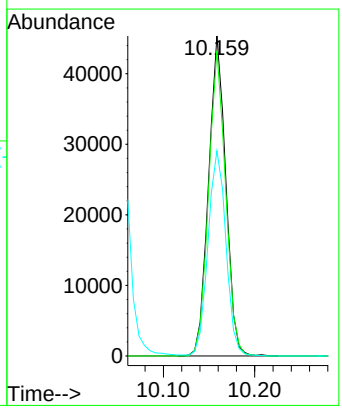


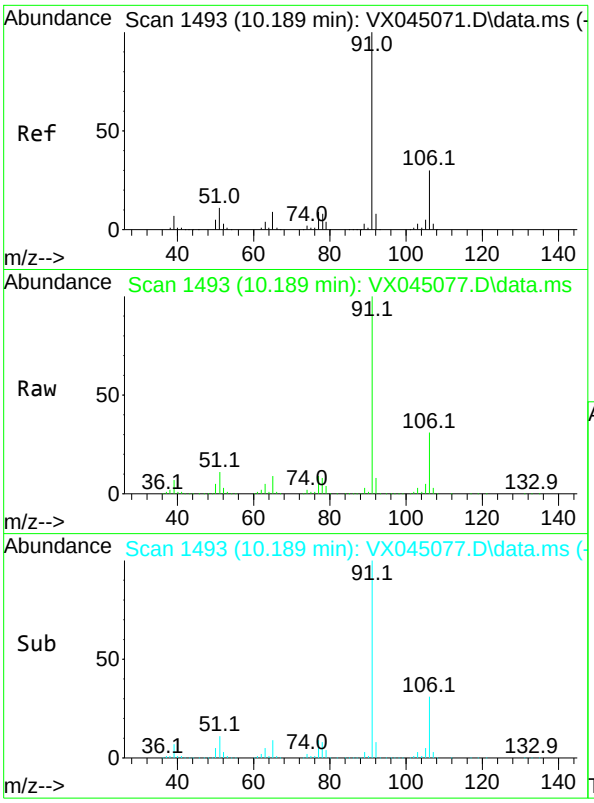


#66
1,1,1,2-Tetrachloroethane
Concen: 48.762 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:131 Resp: 59227

Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.6	145.9
119	66.8	33.9	101.7



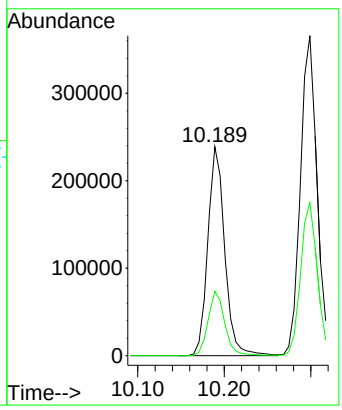


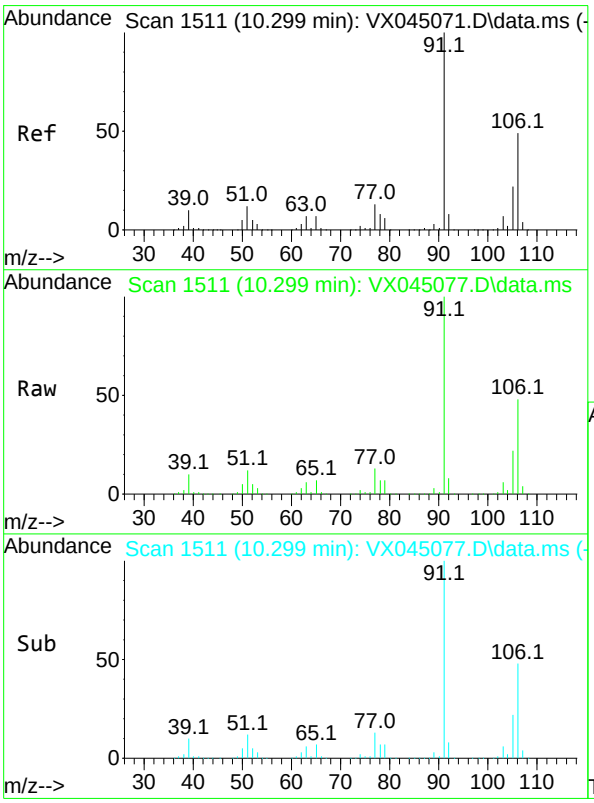
#67
Ethyl Benzene
Concen: 50.959 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 323851

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

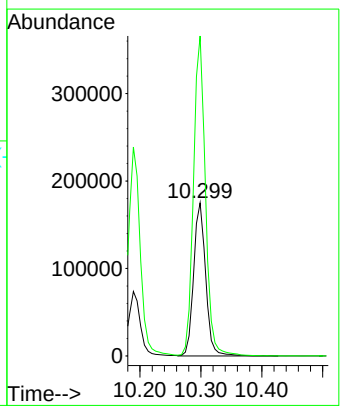


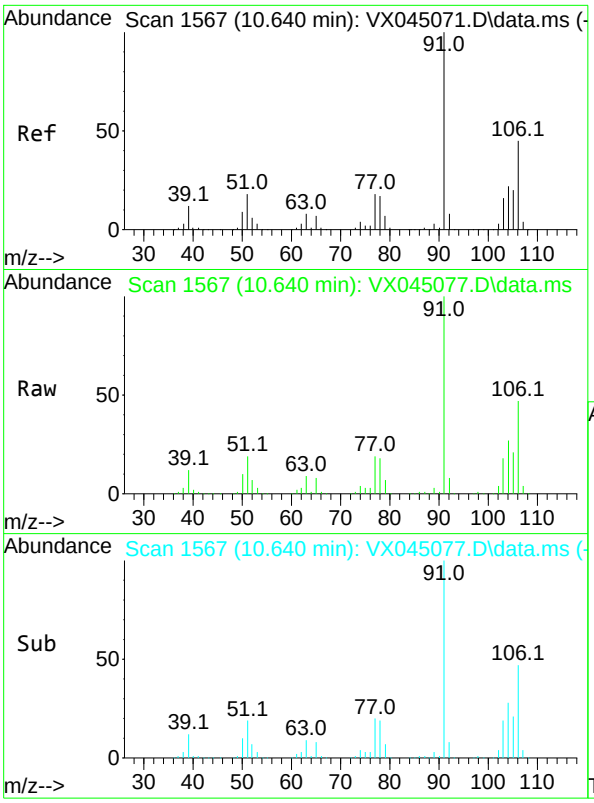


#68
m/p-Xylenes
Concen: 102.789 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:106 Resp: 239135

Ion	Ratio	Lower	Upper
106	100		
91	208.3	165.4	248.0



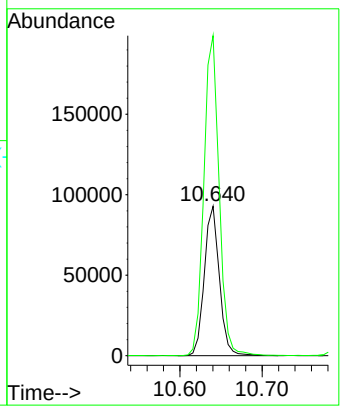


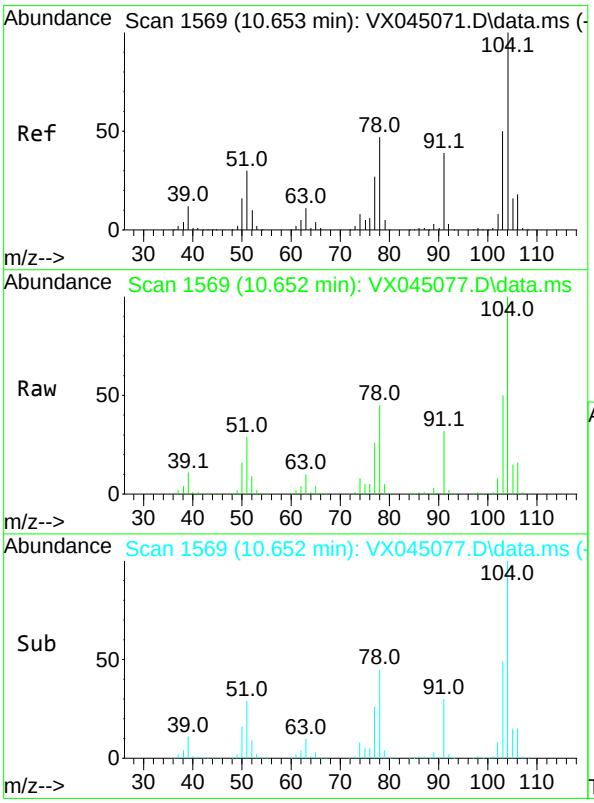
#69
o-Xylene
Concen: 50.318 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 118067

Ion	Ratio	Lower	Upper
106	100		
91	217.0	109.9	329.6

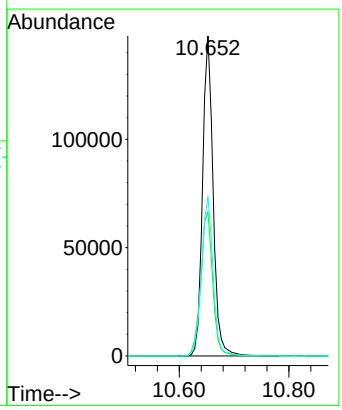


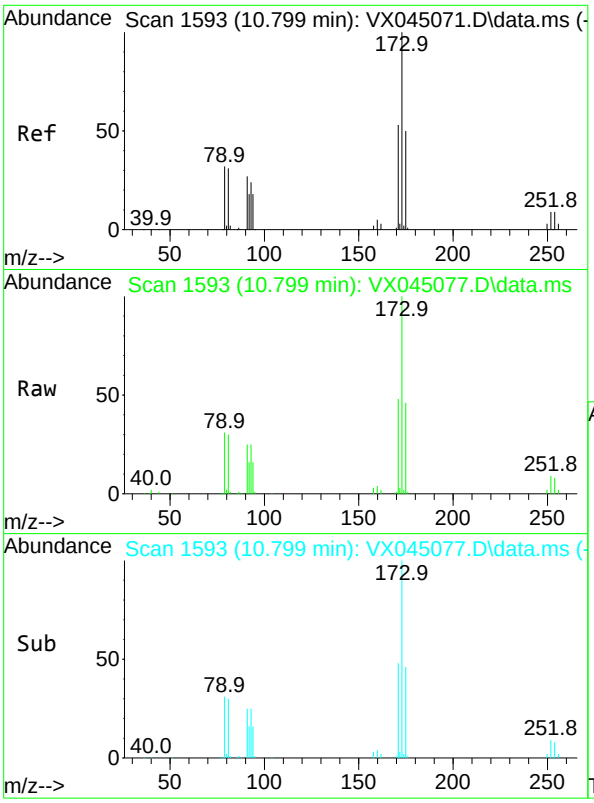


#70
Styrene
Concen: 51.891 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:104 Resp: 197009

Ion	Ratio	Lower	Upper
104	100		
78	51.2	42.2	63.4
103	55.1	43.8	65.8



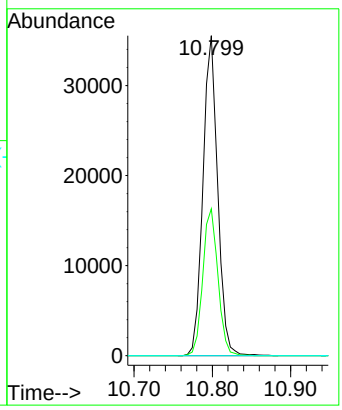


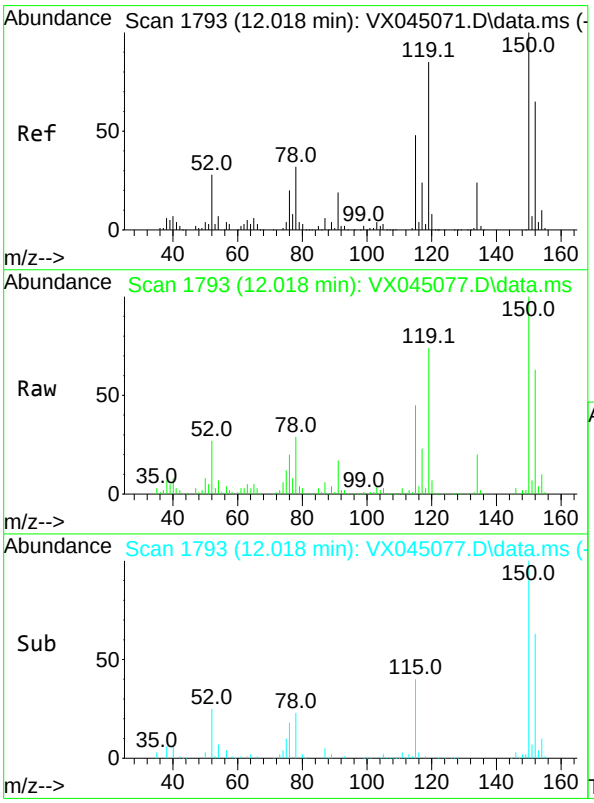
#71
Bromoform
Concen: 50.513 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 46267

Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	73.6
254	0.0	0.0	0.0

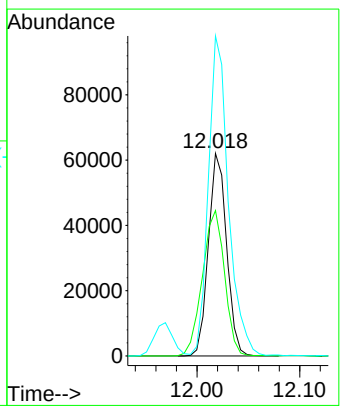


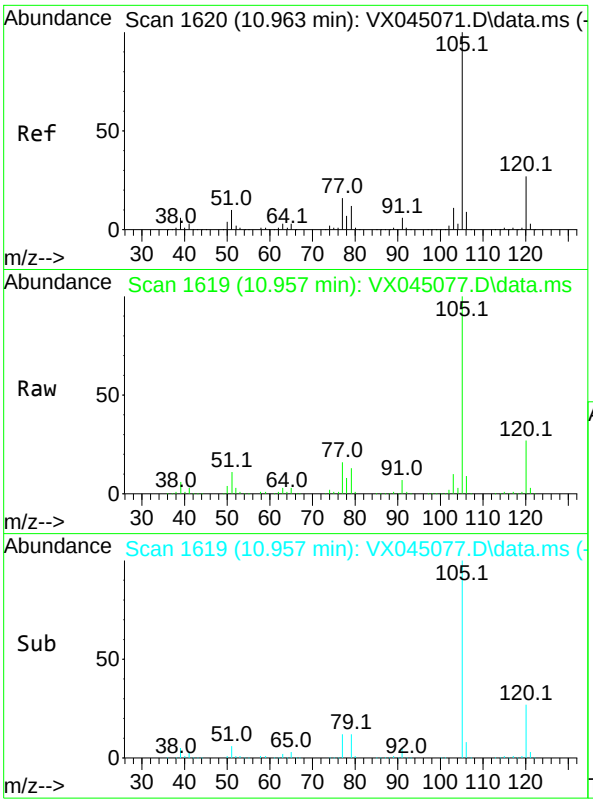


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:152 Resp: 76314

Ion	Ratio	Lower	Upper
152	100		
115	87.8	44.2	132.6
150	174.2	0.0	349.0



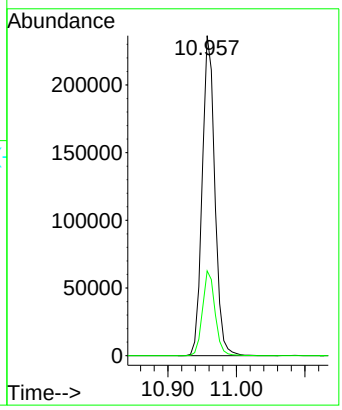


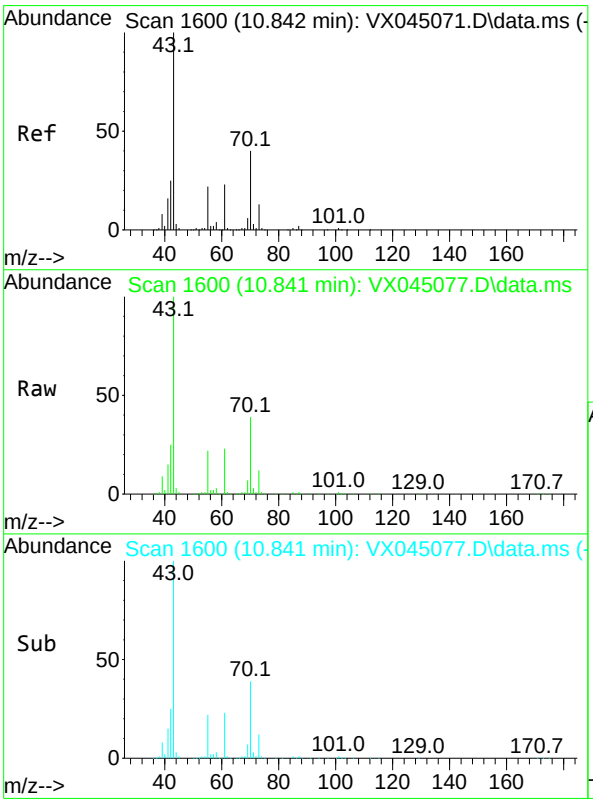
#73
Isopropylbenzene
Concen: 50.901 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 303194

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

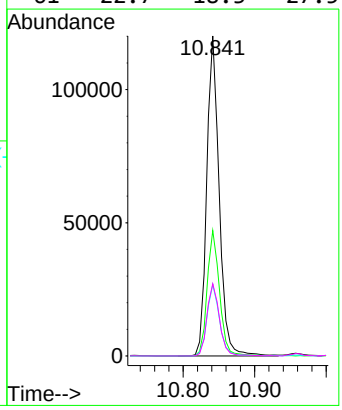


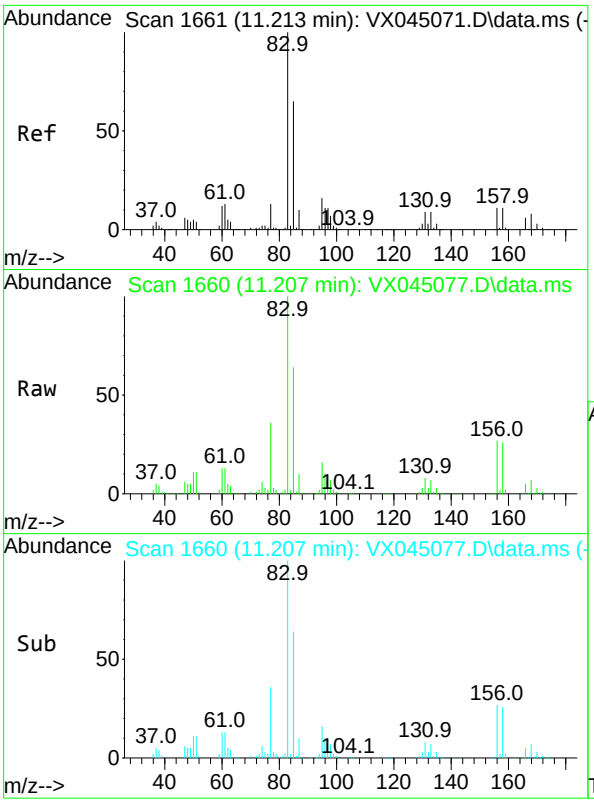


#74
N-amyl acetate
Concen: 51.942 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 145178

Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.8	47.6
55	22.5	18.3	27.5
61	22.7	18.3	27.5



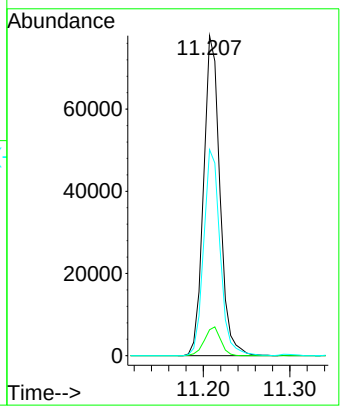


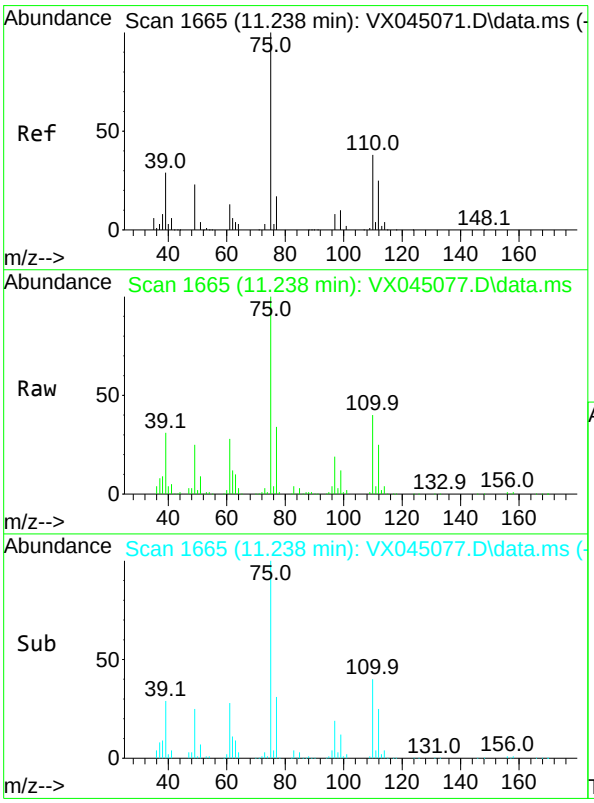
#75
1,1,2,2-Tetrachloroethane
Concen: 46.579 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 101813

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	64.9	31.7	95.1

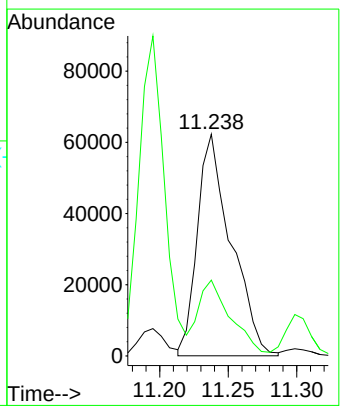


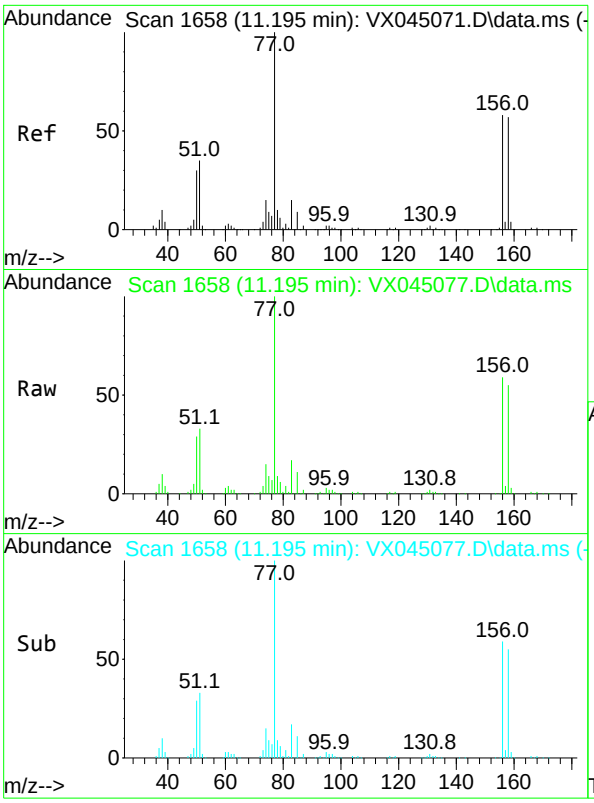


#76
1,2,3-Trichloropropane
Concen: 60.151 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 106841

Ion	Ratio	Lower	Upper
75	100		
77	33.5	20.7	62.1



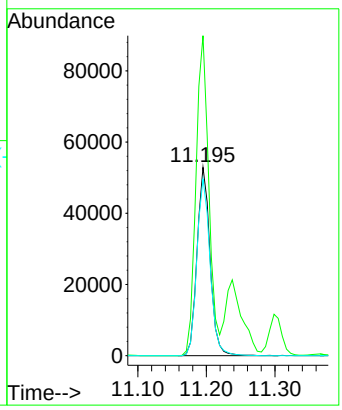


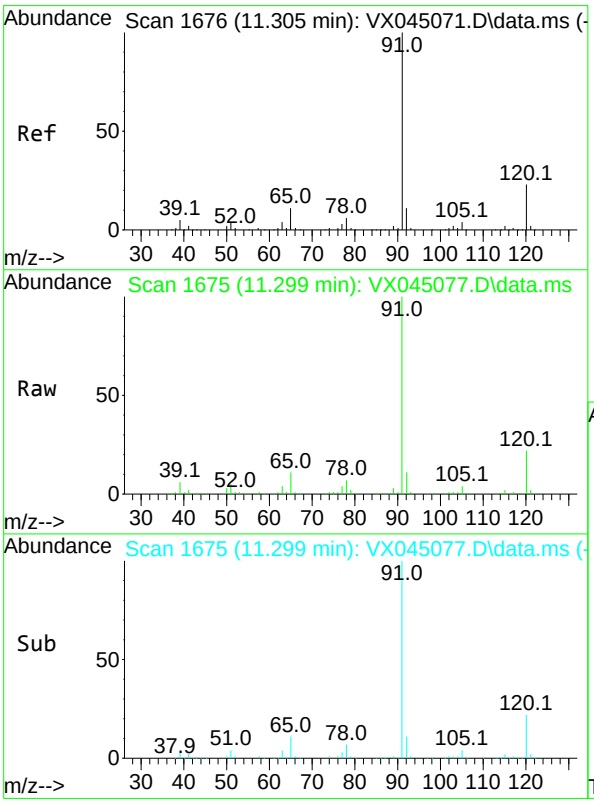
#77
Bromobenzene
Concen: 49.698 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 69846

Ion	Ratio	Lower	Upper
156	100		
77	168.4	85.8	257.4
158	95.6	48.4	145.2

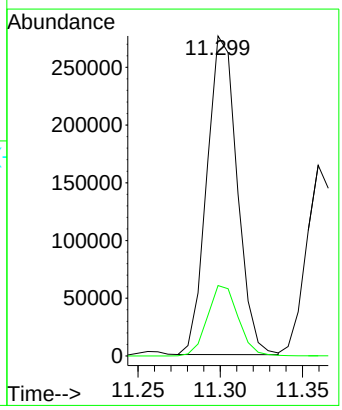


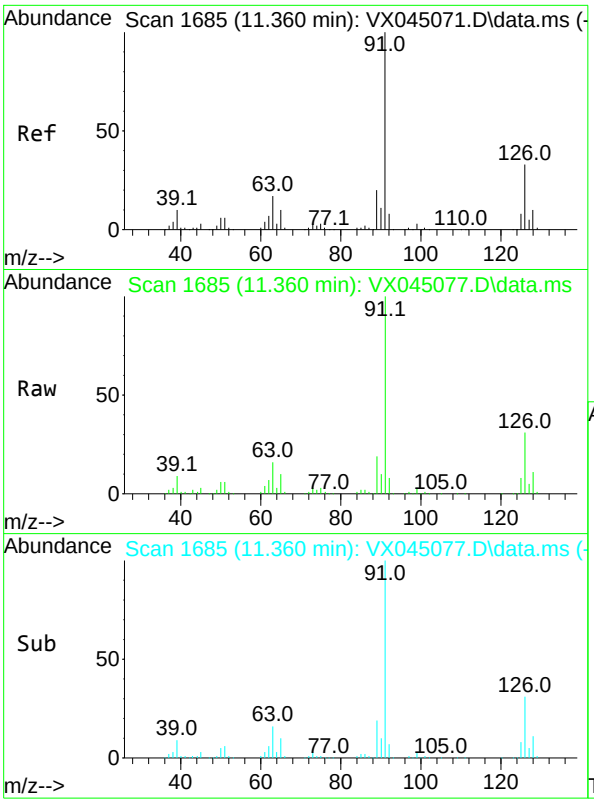


#78
n-propylbenzene
Concen: 52.644 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 91 Resp: 354229

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.6



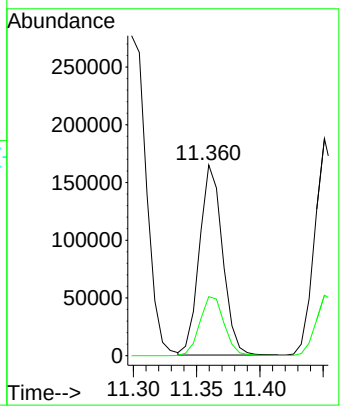


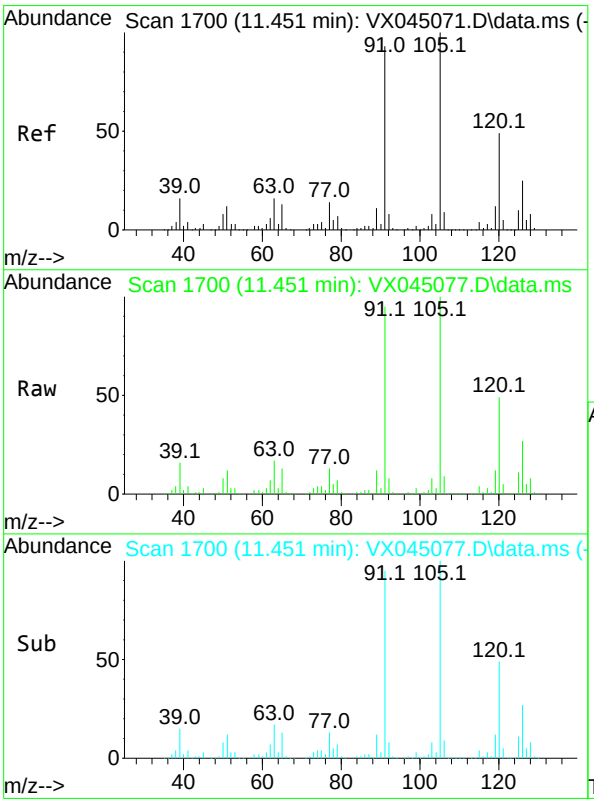
#79
2-Chlorotoluene
Concen: 48.935 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 209700

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

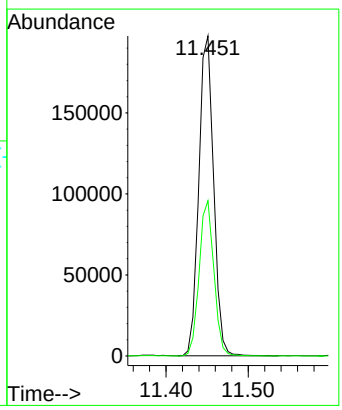


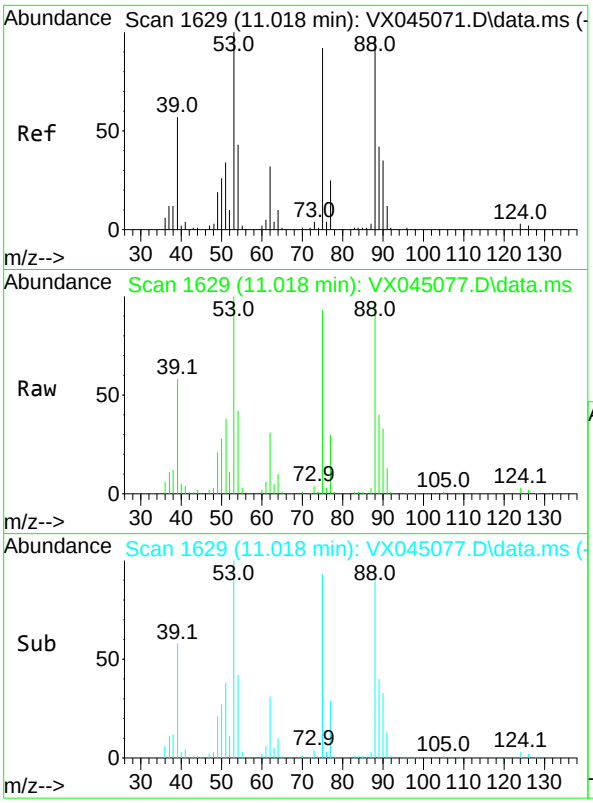


#80
1,3,5-Trimethylbenzene
Concen: 51.381 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:105 Resp: 247465

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.2



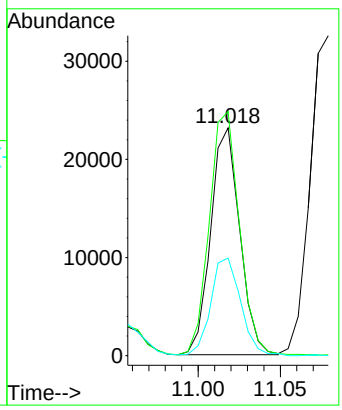


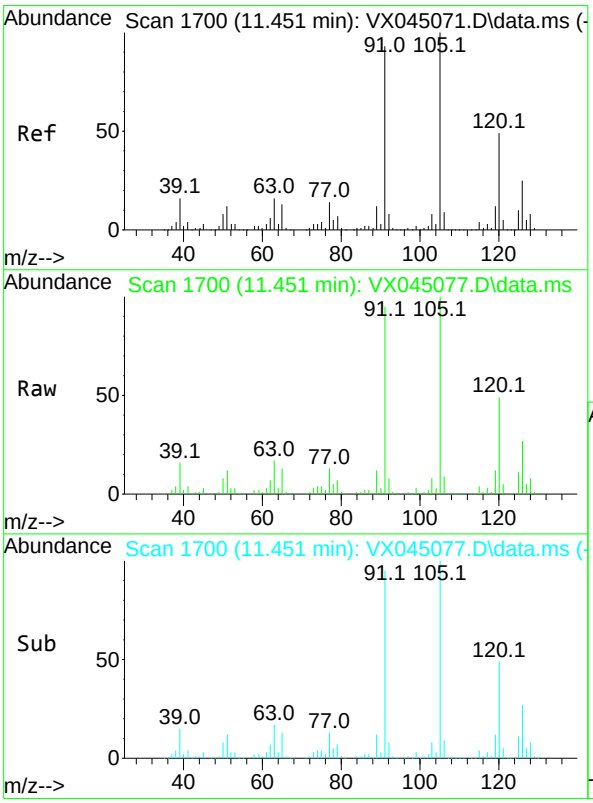
#81
trans-1,4-Dichloro-2-butene
Concen: 54.791 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 28438

Ion	Ratio	Lower	Upper
75	100		
53	112.4	88.5	132.7
89	44.4	36.2	54.4

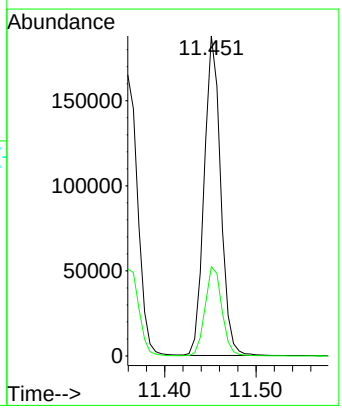


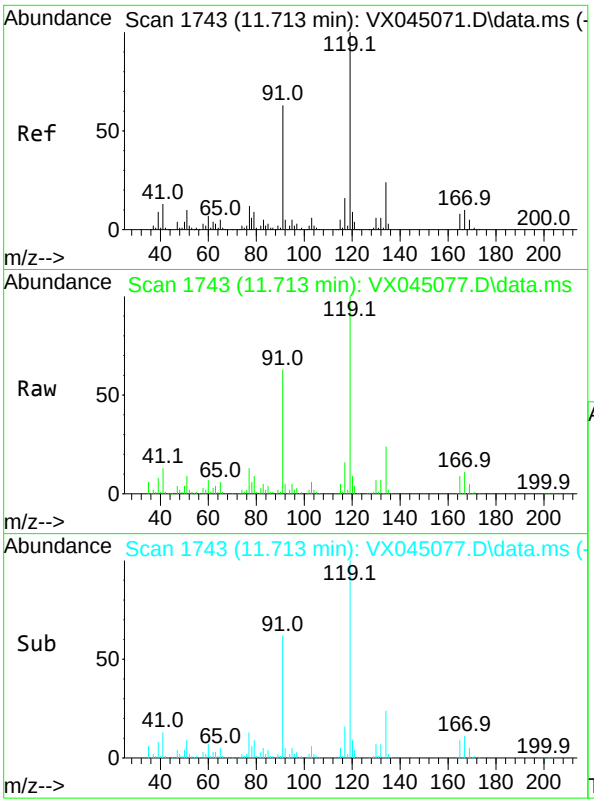


#82
4-Chlorotoluene
Concen: 50.324 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 91 Resp: 235030

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.1	42.4



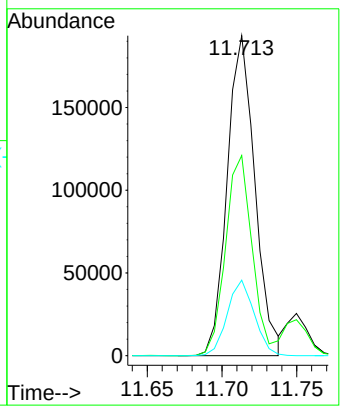


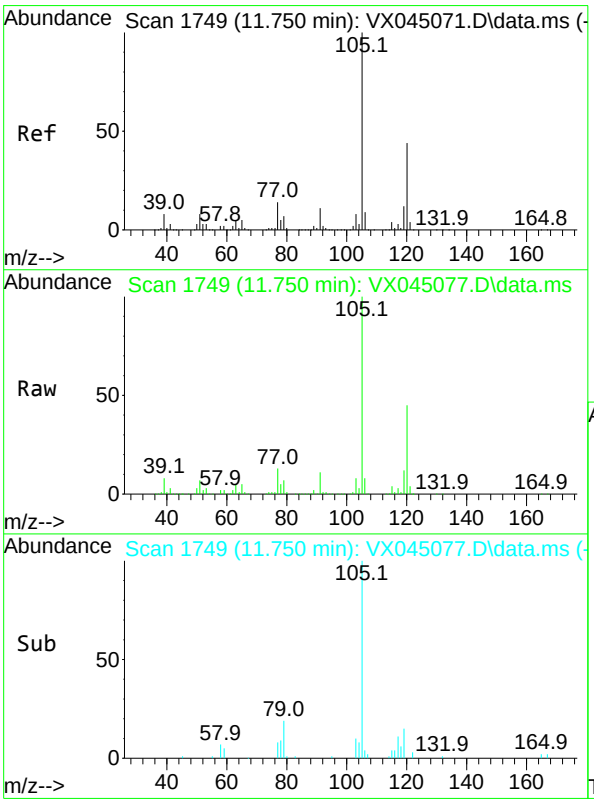
#83
tert-Butylbenzene
Concen: 50.405 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 249434

Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.7	92.1
134	23.0	11.7	35.0

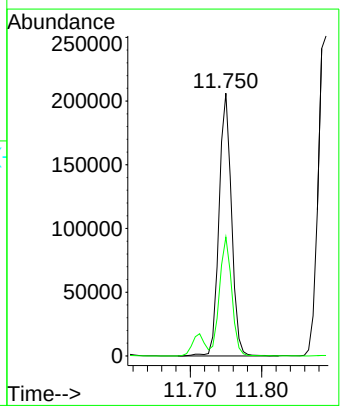


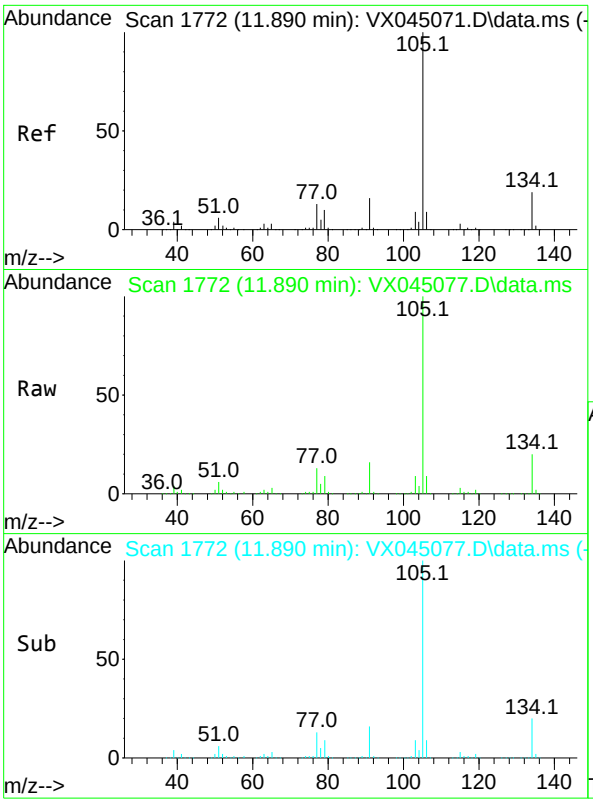


#84
1,2,4-Trimethylbenzene
Concen: 51.398 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:105 Resp: 249084

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.1



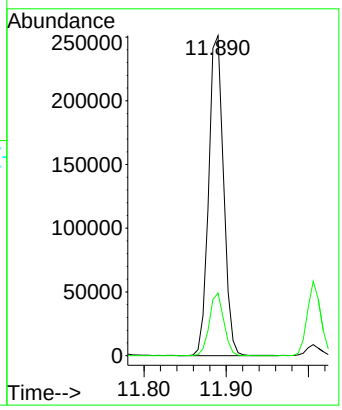


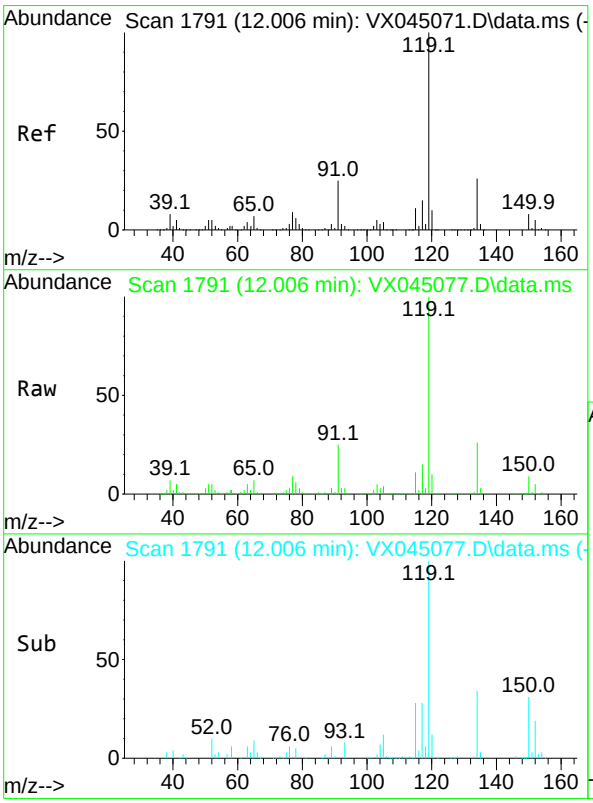
#85
sec-Butylbenzene
Concen: 53.135 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 314975

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

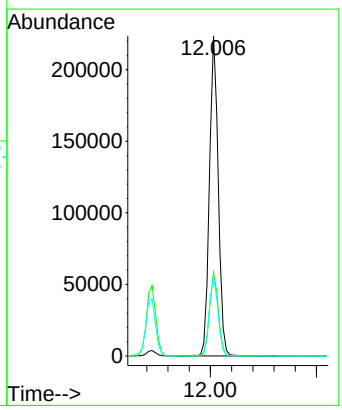


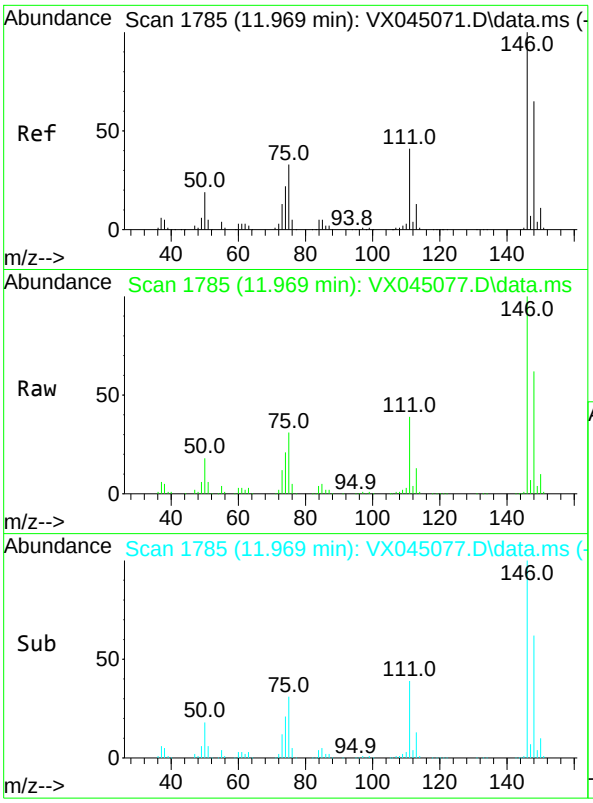


#86
p-Isopropyltoluene
Concen: 53.578 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:119 Resp: 256666

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	24.9	12.7	38.0



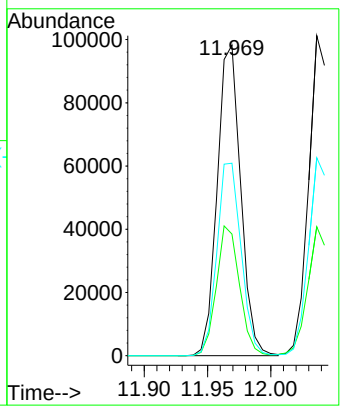


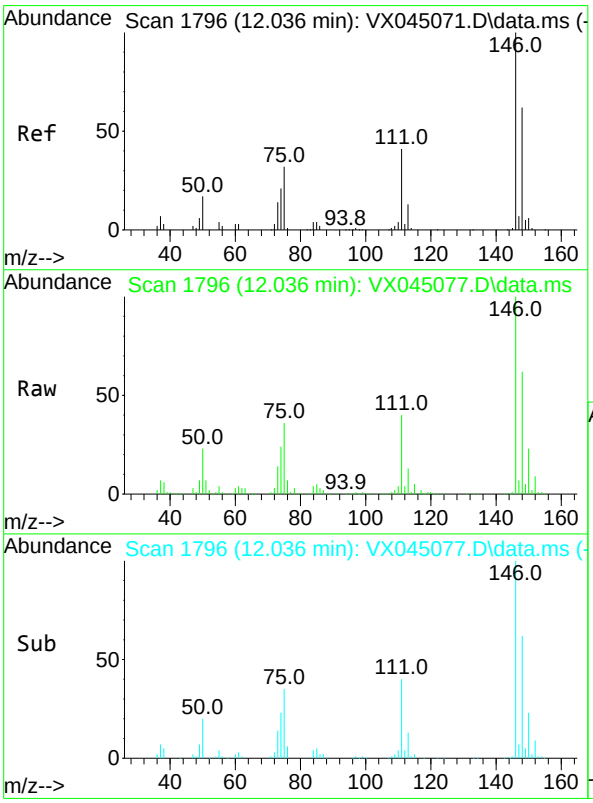
#87
1,3-Dichlorobenzene
Concen: 50.525 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 126673

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.4
148	64.0	31.9	95.7

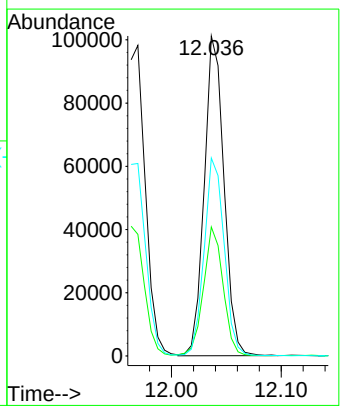


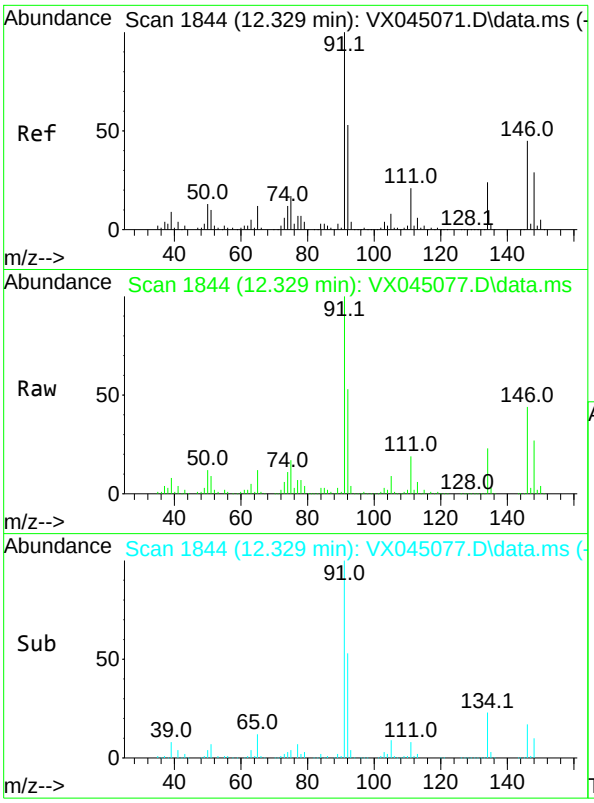


#88
1,4-Dichlorobenzene
Concen: 49.736 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:146 Resp: 126155

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.5
148	62.9	31.9	95.9



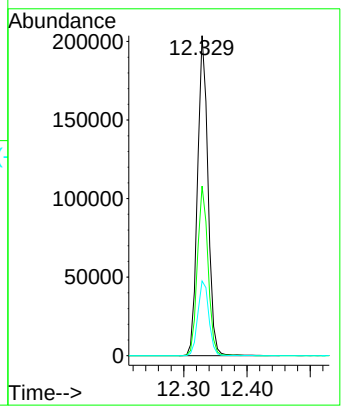


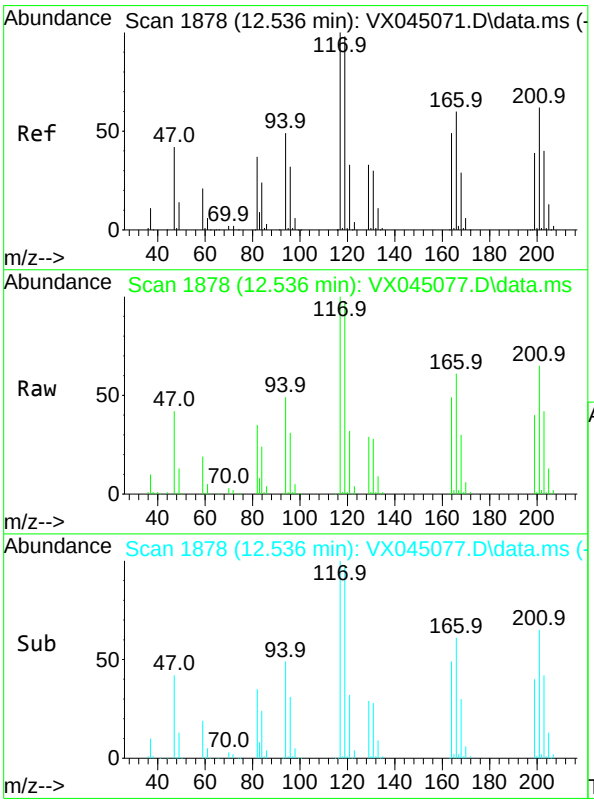
#89
n-Butylbenzene
Concen: 56.931 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 234896

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.0
134	24.5	12.2	36.6

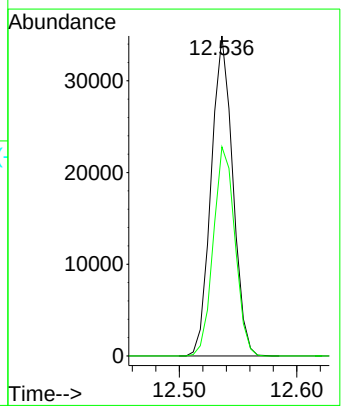


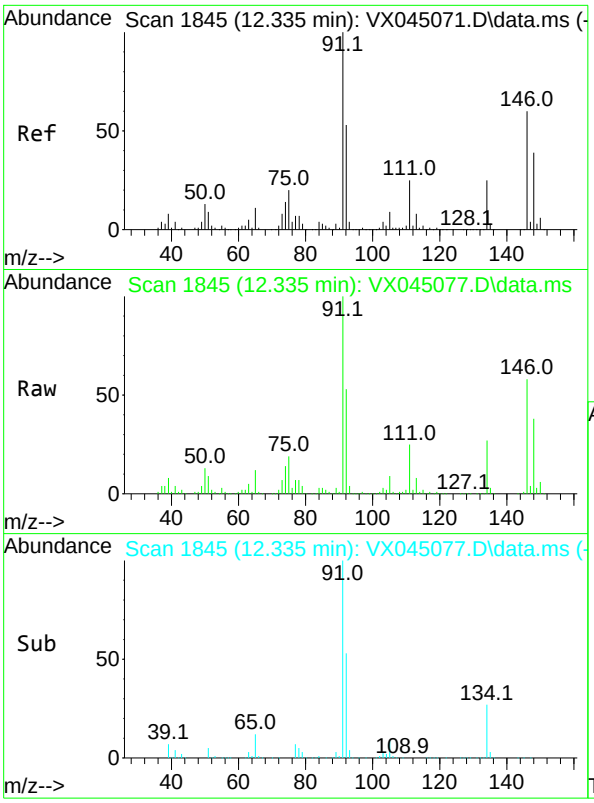


#90
Hexachloroethane
Concen: 51.547 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:117 Resp: 44665

Ion	Ratio	Lower	Upper
117	100		
201	65.4	31.9	95.9



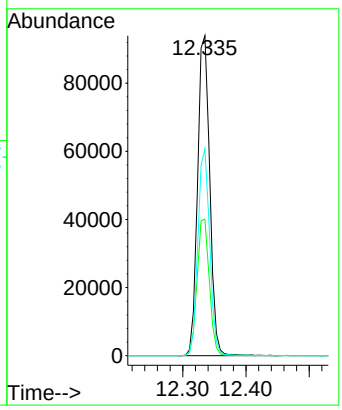


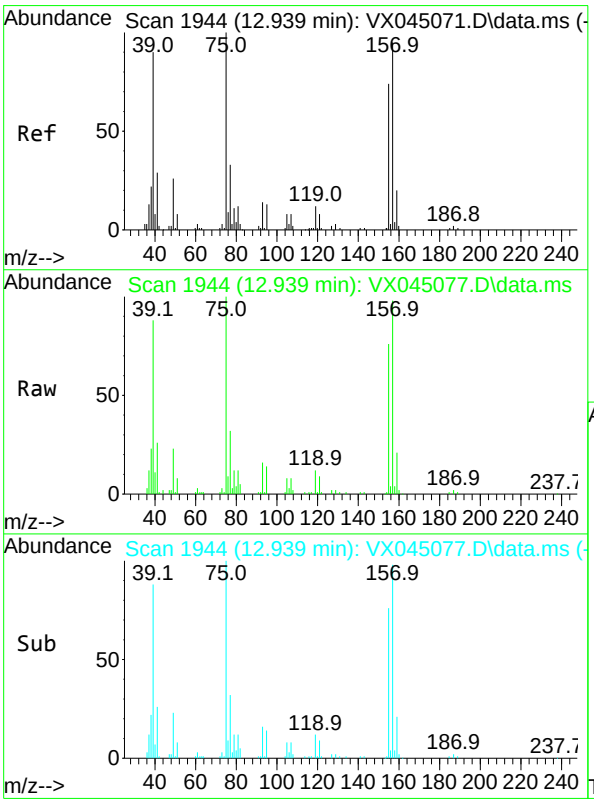
#91
1,2-Dichlorobenzene
Concen: 50.134 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 126089

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	65.0
148	62.8	31.9	95.9

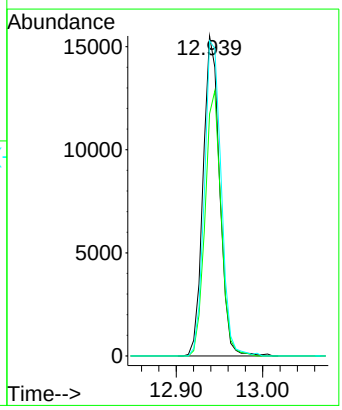


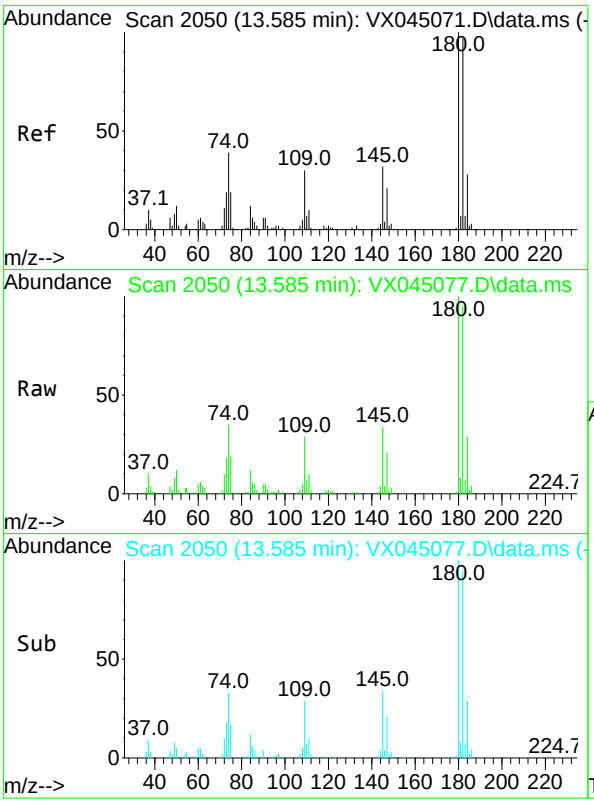


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.248 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 20546

Ion	Ratio	Lower	Upper
75	100		
155	80.4	39.6	118.7
157	99.9	51.1	153.4



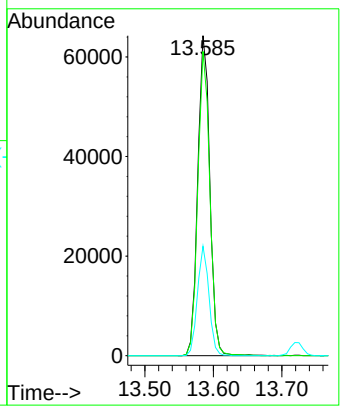


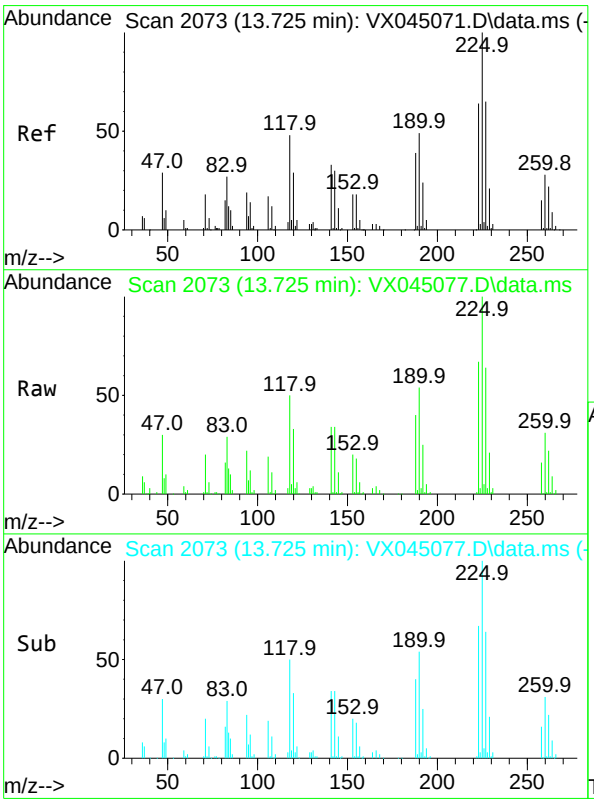
#93
1,2,4-Trichlorobenzene
Concen: 54.961 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 78708

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.9
145	32.7	16.3	48.9

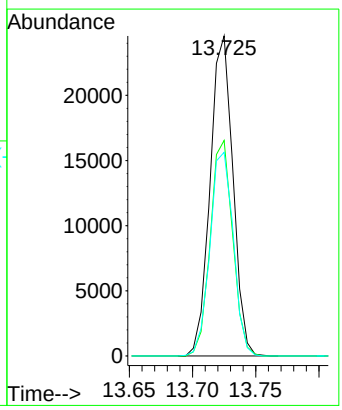


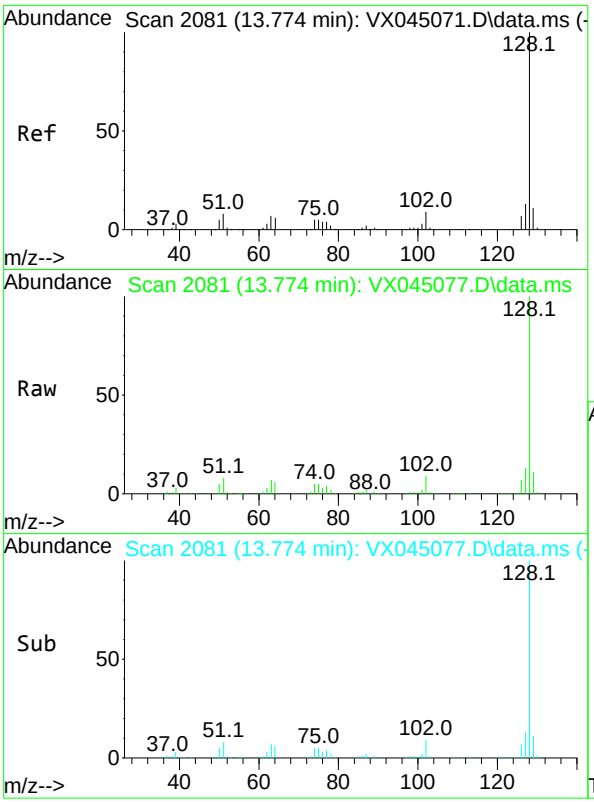


#94
Hexachlorobutadiene
Concen: 52.406 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:225 Resp: 30769

Ion	Ratio	Lower	Upper
225	100		
223	66.2	31.9	95.7
227	65.1	31.4	94.0



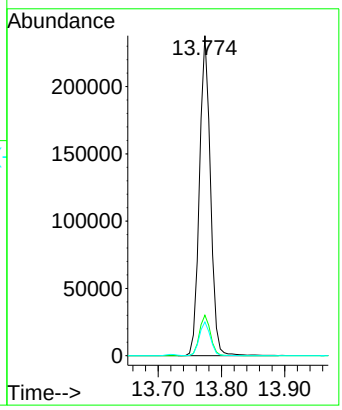


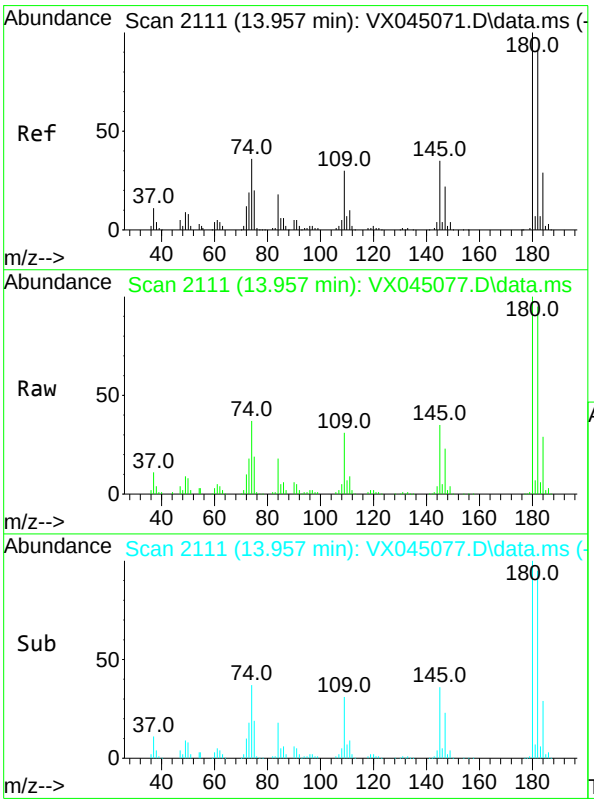
#95
Naphthalene
Concen: 52.367 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 288129

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.6	8.7	13.1

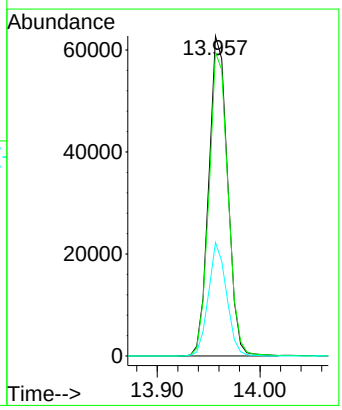




#96
1,2,3-Trichlorobenzene
Concen: 52.796 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:180 Resp: 79762

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.6
145	34.1	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045080.D
Acq On : 28 Feb 2025 11:46
Operator : JC/MD
Sample : VX0228WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Quant Time: Feb 28 14:28:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	108329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	192724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	169474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80881	46.938	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.880%			
35) Dibromofluoromethane	5.379	113	62124	48.207	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.420%			
50) Toluene-d8	8.647	98	233874	50.059	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.120%			
62) 4-Bromofluorobenzene	11.079	95	78964	51.005	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25993	19.062	ug/l	98
3) Chloromethane	1.301	50	31053	18.608	ug/l	96
4) Vinyl Chloride	1.374	62	30398	18.363	ug/l	96
5) Bromomethane	1.593	94	11496	17.665	ug/l	98
6) Chloroethane	1.660	64	12662	16.582	ug/l	99
7) Trichlorofluoromethane	1.868	101	40845	18.638	ug/l	100
8) Diethyl Ether	2.136	74	14376	16.771	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	25054	19.899	ug/l	99
10) Methyl Iodide	2.441	142	27491	17.472	ug/l	97
11) Tert butyl alcohol	2.995	59	26171	80.184	ug/l	99
12) 1,1-Dichloroethene	2.306	96	24097	18.103	ug/l	97
13) Acrolein	2.239	56	42643	113.023	ug/l	98
14) Allyl chloride	2.654	41	44238	18.670	ug/l	99
15) Acrylonitrile	3.069	53	78022	89.193	ug/l	98
16) Acetone	2.386	43	66572	83.269	ug/l	100
17) Carbon Disulfide	2.502	76	62721	17.691	ug/l	97
18) Methyl Acetate	2.709	43	33660	17.501	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	79756	17.859	ug/l	98
20) Methylene Chloride	2.782	84	28274	17.853	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	24403	18.556	ug/l	95
22) Diisopropyl ether	3.764	45	89611	18.596	ug/l	94
23) Vinyl Acetate	3.721	43	377536	93.881	ug/l	99
24) 1,1-Dichloroethane	3.599	63	48272	17.874	ug/l	99
25) 2-Butanone	4.562	43	110248	91.613	ug/l	100
26) 2,2-Dichloropropane	4.471	77	33053	26.092	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	29539	18.196	ug/l	96
28) Bromochloromethane	4.891	49	22404	17.404	ug/l	98
29) Tetrahydrofuran	5.007	42	71331	88.264	ug/l	99
30) Chloroform	5.086	83	48521	18.082	ug/l	97
31) Cyclohexane	5.458	56	45303	19.324	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	39336	18.150	ug/l	99
36) 1,1-Dichloropropene	5.684	75	33230	18.803	ug/l	99
37) Ethyl Acetate	4.715	43	40562	17.811	ug/l	98
38) Carbon Tetrachloride	5.666	117	33280	18.548	ug/l	96
39) Methylcyclohexane	7.373	83	44081	20.816	ug/l	97
40) Benzene	6.031	78	106228	19.035	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045080.D
Acq On : 28 Feb 2025 11:46
Operator : JC/MD
Sample : VX0228WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Quant Time: Feb 28 14:28:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	22360	18.159	ug/l		97
42) 1,2-Dichloroethane	6.086	62	37297	18.559	ug/l		100
43) Isopropyl Acetate	6.342	43	64239	19.076	ug/l		99
44) Trichloroethene	7.123	130	24390	18.612	ug/l		93
45) 1,2-Dichloropropane	7.428	63	26709	18.614	ug/l		96
46) Dibromomethane	7.580	93	19218	18.949	ug/l		99
47) Bromodichloromethane	7.818	83	37048	18.624	ug/l		99
48) Methyl methacrylate	7.690	41	30953	18.322	ug/l		97
49) 1,4-Dioxane	7.665	88	13158	369.225	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	216153	95.598	ug/l		100
52) Toluene	8.714	92	64270	19.628	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	32395	19.479	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	38727	19.970	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	25711	19.074	ug/l		98
56) Ethyl methacrylate	9.116	69	38638	18.857	ug/l		99
57) 1,3-Dichloropropane	9.305	76	44044	18.881	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	99991	100.039	ug/l		99
59) 2-Hexanone	9.433	43	158894	96.991	ug/l		100
60) Dibromochloromethane	9.519	129	26039	18.475	ug/l		96
61) 1,2-Dibromoethane	9.610	107	25976	19.303	ug/l		97
64) Tetrachloroethene	9.269	164	20636	19.012	ug/l		98
65) Chlorobenzene	10.079	112	70182	19.571	ug/l		95
66) 1,1,1,2-Tetrachloroethane	10.159	131	21951	18.381	ug/l		98
67) Ethyl Benzene	10.189	91	121335	19.418	ug/l		100
68) m/p-Xylenes	10.299	106	91808	40.136	ug/l		99
69) o-Xylene	10.640	106	45354	19.659	ug/l		98
70) Styrene	10.653	104	75515	20.230	ug/l		98
71) Bromoform	10.799	173	16386	18.196	ug/l	#	99
73) Isopropylbenzene	10.957	105	115731	19.389	ug/l		100
74) N-amyl acetate	10.842	43	53161	18.981	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	40107	18.311	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	40243	22.610	ug/l		88
77) Bromobenzene	11.195	156	26840	19.058	ug/l		99
78) n-propylbenzene	11.305	91	135011	20.023	ug/l		100
79) 2-Chlorotoluene	11.360	91	81025	18.869	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	96986	20.095	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9262	17.808	ug/l		90
82) 4-Chlorotoluene	11.451	91	90109	19.254	ug/l		98
83) tert-Butylbenzene	11.713	119	95461	19.251	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	95268	19.618	ug/l		99
85) sec-Butylbenzene	11.890	105	118388	19.930	ug/l		99
86) p-Isopropyltoluene	12.006	119	97752	20.363	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	48888	19.459	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	49240	19.373	ug/l		99
89) n-Butylbenzene	12.329	91	84515	20.441	ug/l		100
90) Hexachloroethane	12.536	117	16106	18.549	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	48893	19.400	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7561	17.719	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	28247	19.684	ug/l		99
94) Hexachlorobutadiene	13.725	225	11980	20.362	ug/l		99
95) Naphthalene	13.774	128	106065	19.237	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	30059	19.855	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045080.D
Acq On : 28 Feb 2025 11:46
Operator : JC/MD
Sample : VX0228WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Quant Time: Feb 28 14:28:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

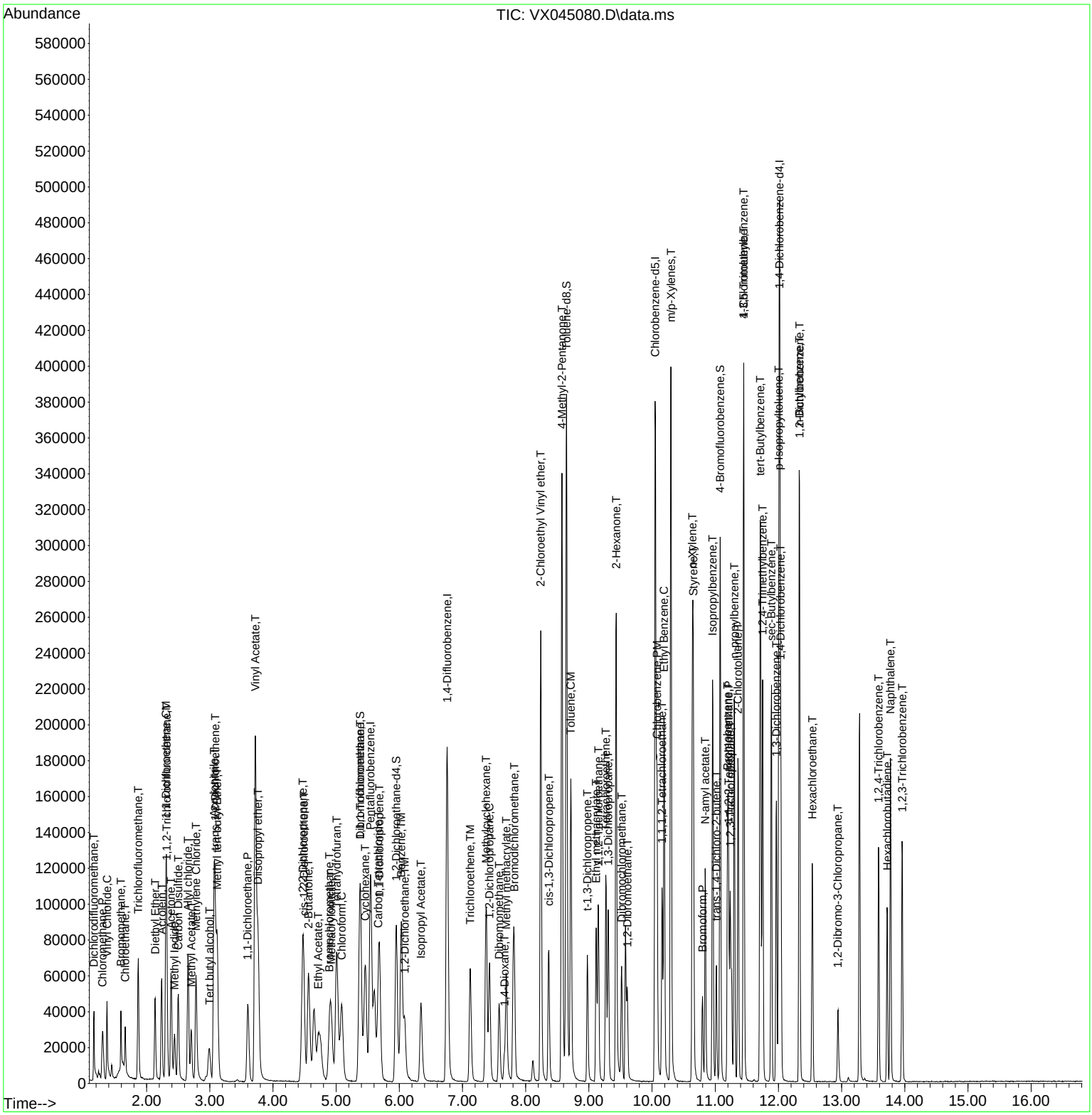
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

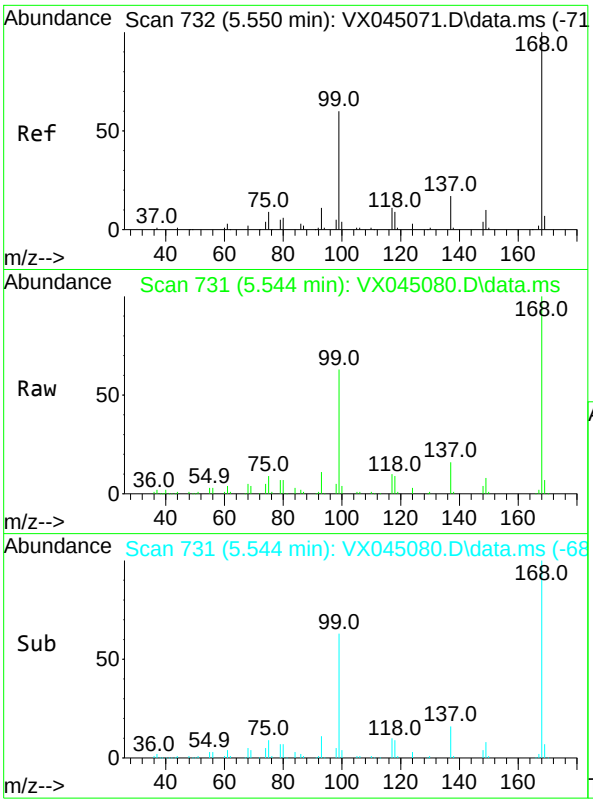
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045080.D
Acq On : 28 Feb 2025 11:46
Operator : JC/MD
Sample : VX0228WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Quant Time: Feb 28 14:28:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



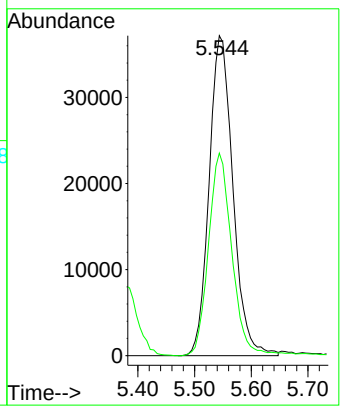


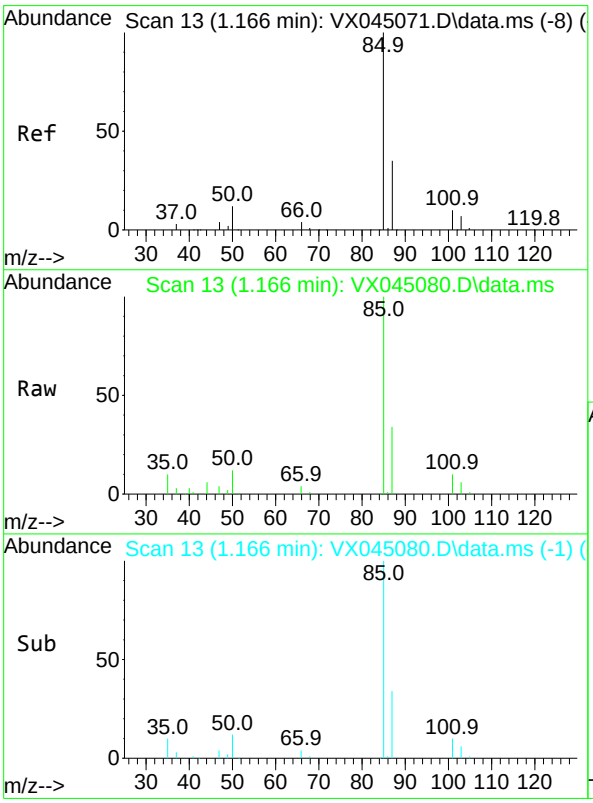
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:168 Resp: 108329

Ion	Ratio	Lower	Upper
168	100		
99	63.3	48.2	72.4

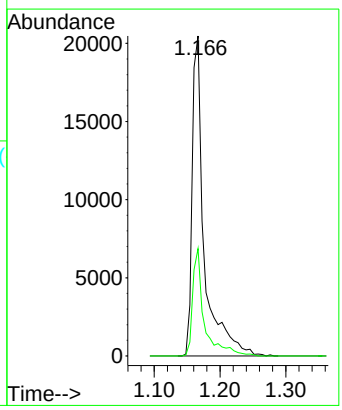


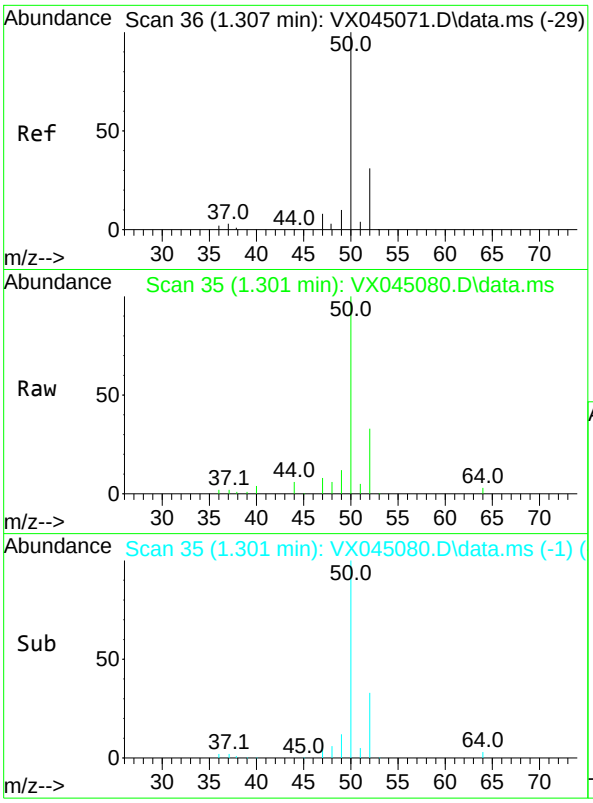


#2
Dichlorodifluoromethane
Concen: 19.062 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 85 Resp: 25993

Ion	Ratio	Lower	Upper
85	100		
87	33.5	17.4	52.3



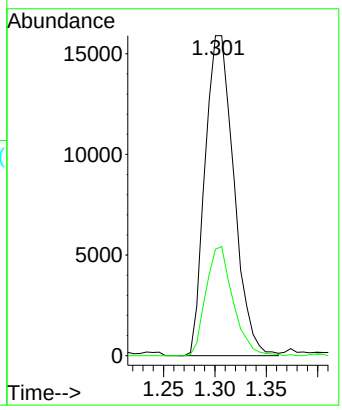


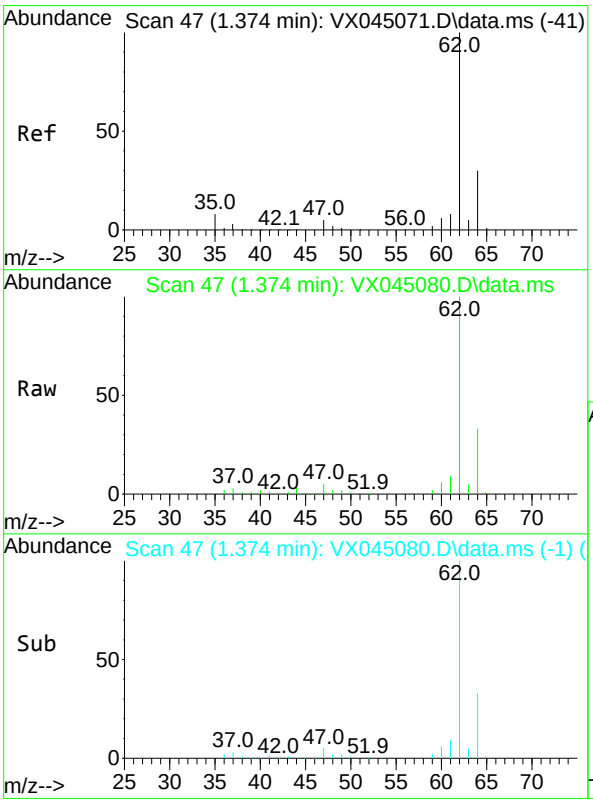
#3
Chloromethane
Concen: 18.608 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 50 Resp: 31053

Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.0	37.4

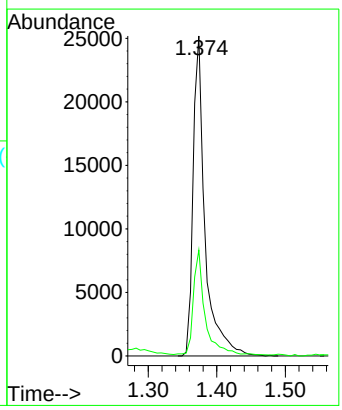


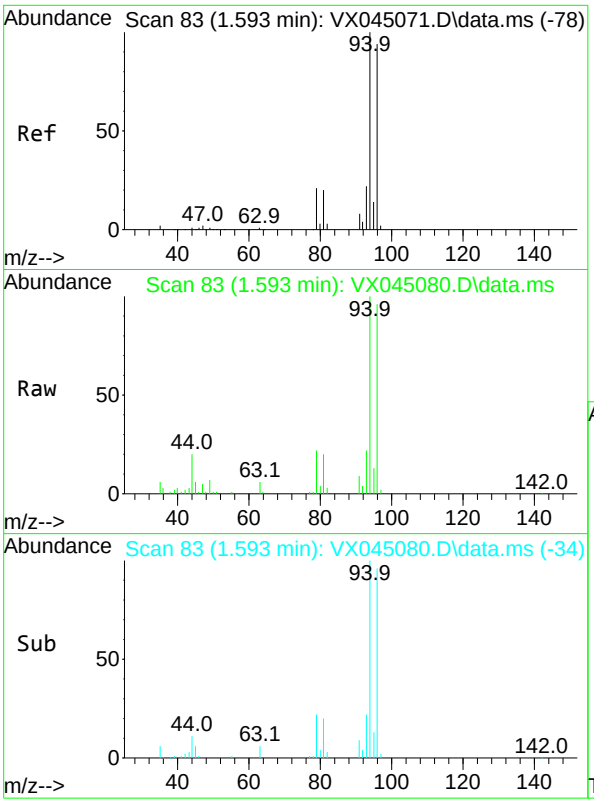


#4
Vinyl Chloride
Concen: 18.363 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 62 Resp: 30398

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.3	36.5



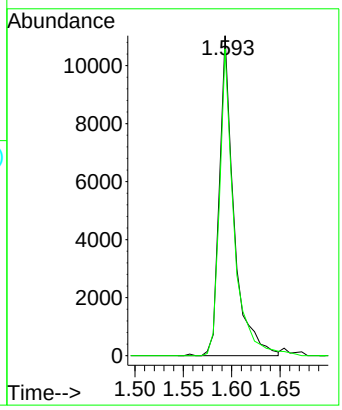


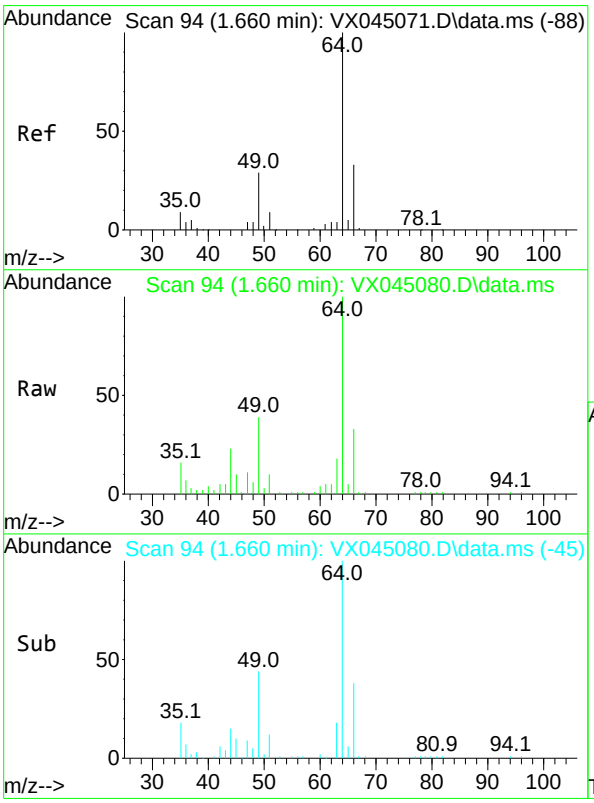
#5
Bromomethane
Concen: 17.665 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 94 Resp: 11496

Ion	Ratio	Lower	Upper
94	100		
96	95.9	75.0	112.4

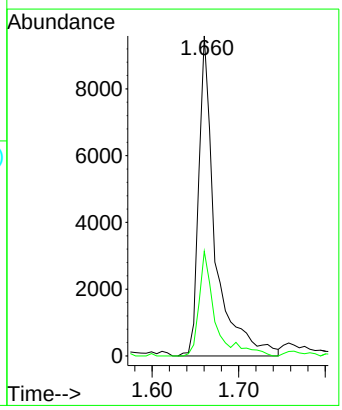


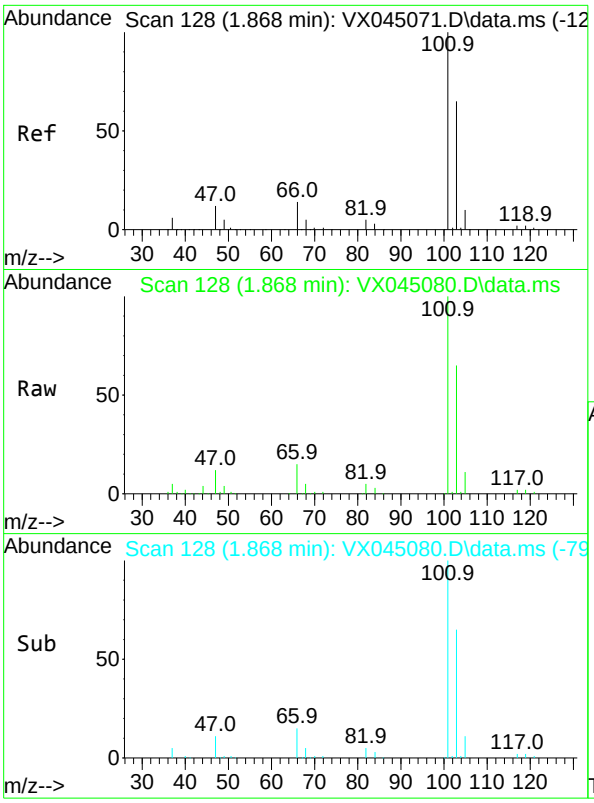


#6
Chloroethane
Concen: 16.582 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 64 Resp: 12662

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.7	40.1



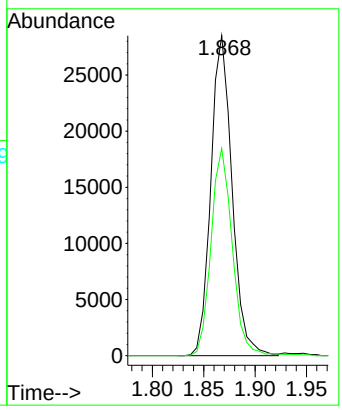


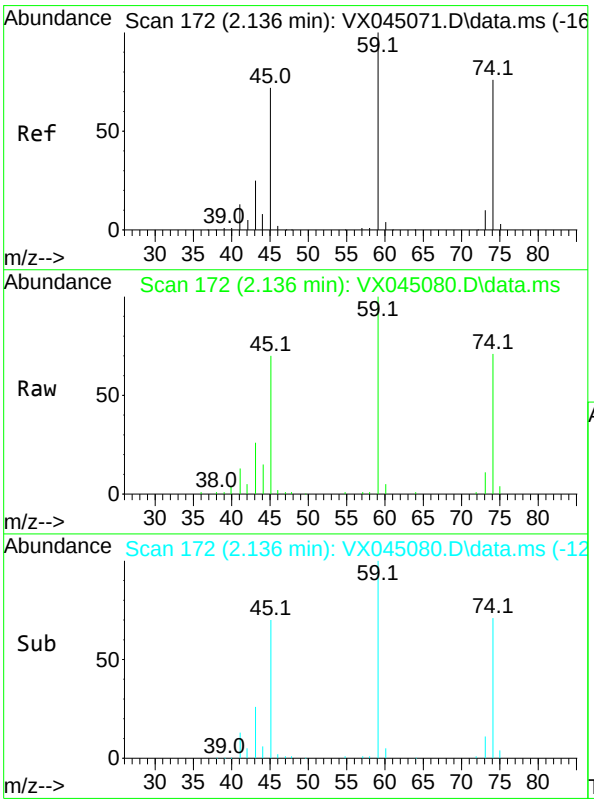
#7
Trichlorofluoromethane
Concen: 18.638 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:101 Resp: 40845

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1

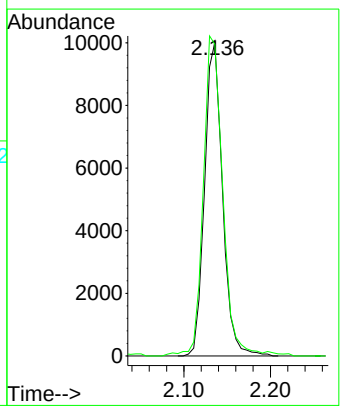


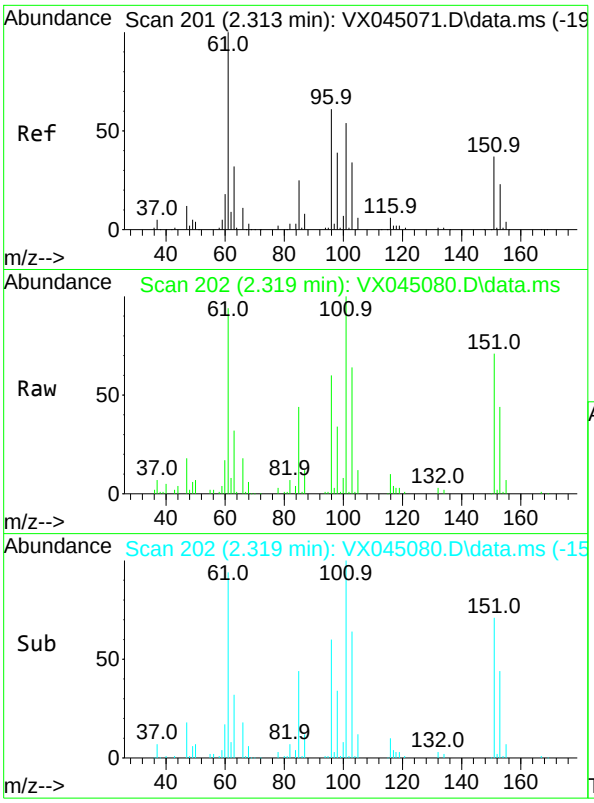


#8
Diethyl Ether
Concen: 16.771 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 74 Resp: 14376

Ion	Ratio	Lower	Upper
74	100		
45	111.0	51.5	154.5



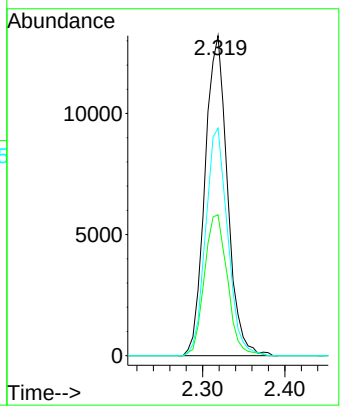


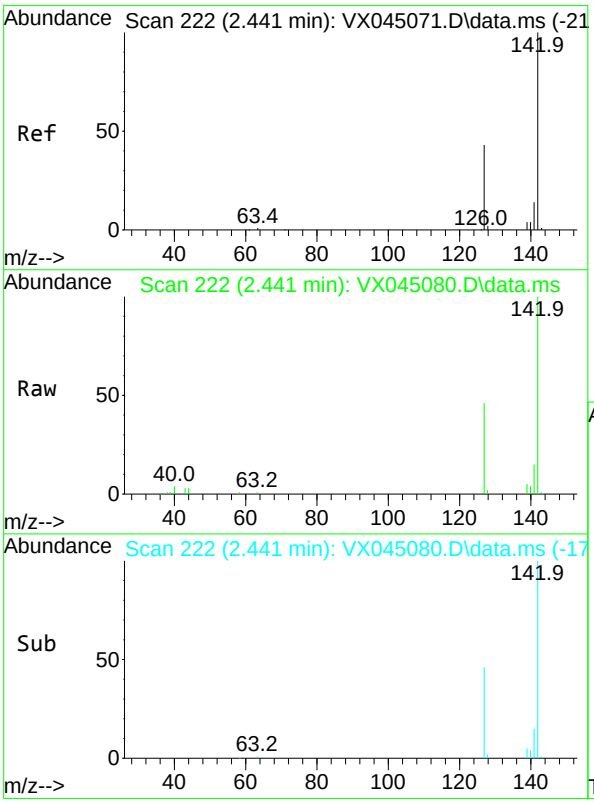
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.899 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:101 Resp: 25054

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.4
151	69.8	56.4	84.6

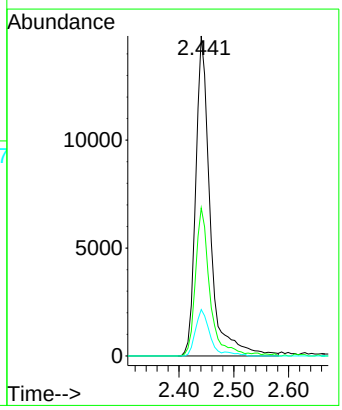


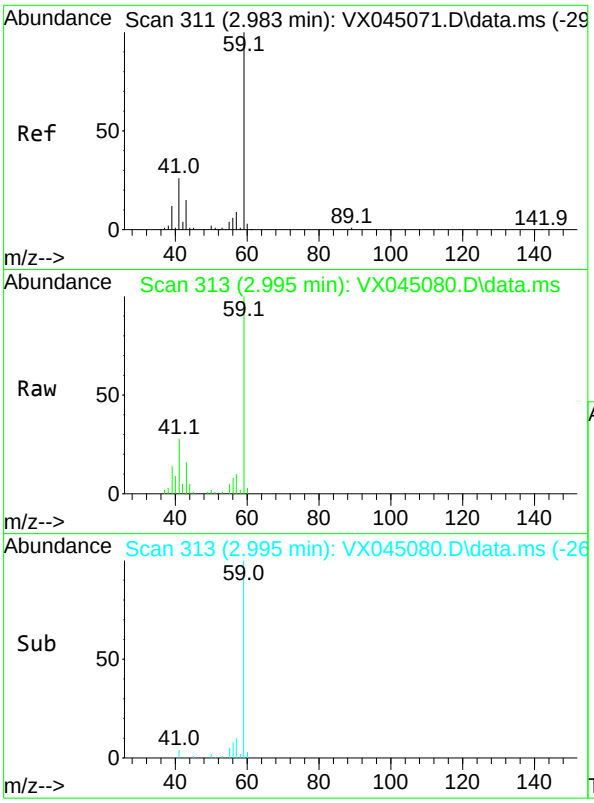


#10
Methyl Iodide
Concen: 17.472 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:142 Resp: 27491

Ion	Ratio	Lower	Upper
142	100		
127	46.4	35.4	53.2
141	14.7	11.6	17.4



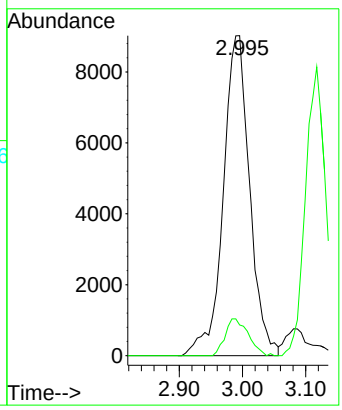


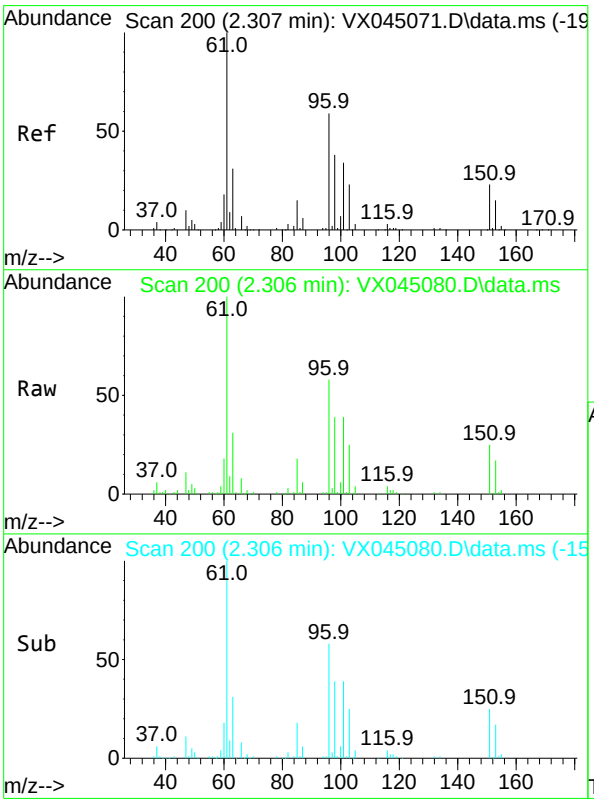
#11
Tert butyl alcohol
Concen: 80.184 ug/l
RT: 2.995 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 59 Resp: 26171

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

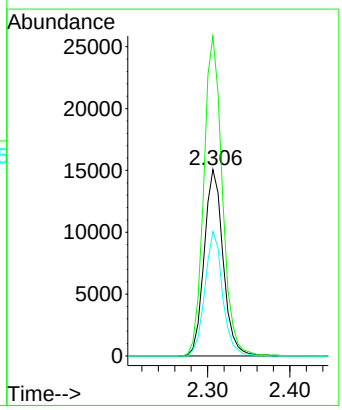


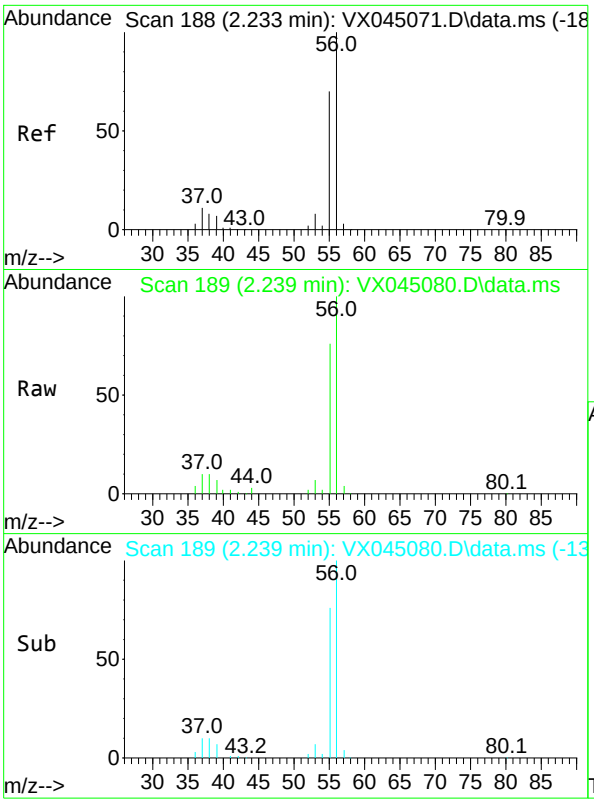


#12
1,1-Dichloroethene
Concen: 18.103 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 96 Resp: 24097

Ion	Ratio	Lower	Upper
96	100		
61	171.7	134.6	202.0
98	66.8	51.0	76.6



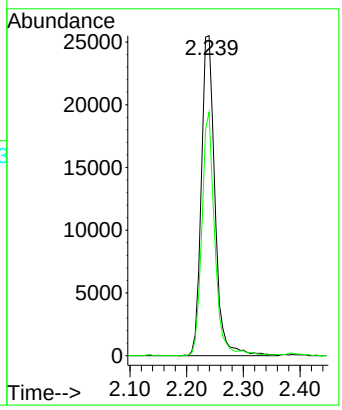


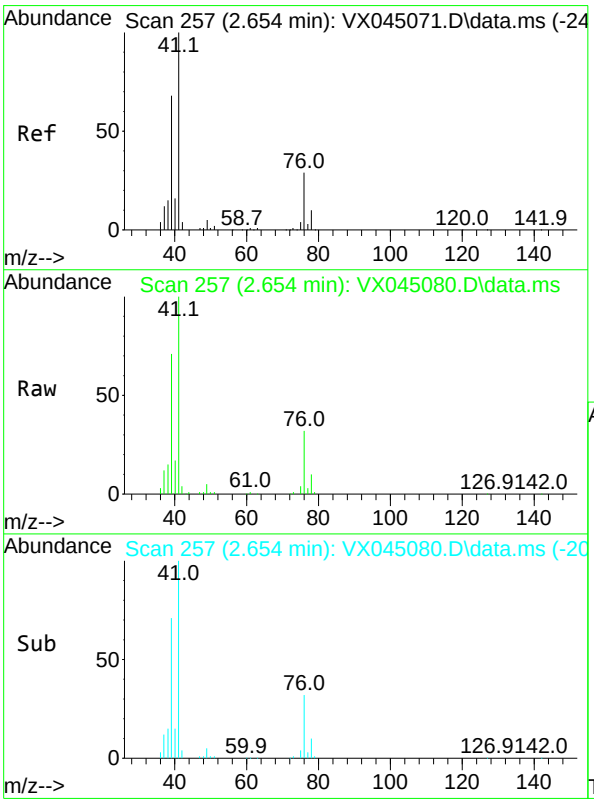
#13
Acrolein
Concen: 113.023 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 56 Resp: 42643

Ion	Ratio	Lower	Upper
56	100		
55	72.2	56.2	84.4

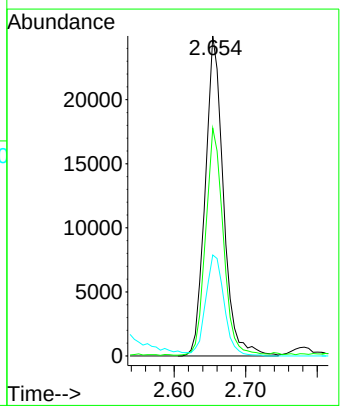


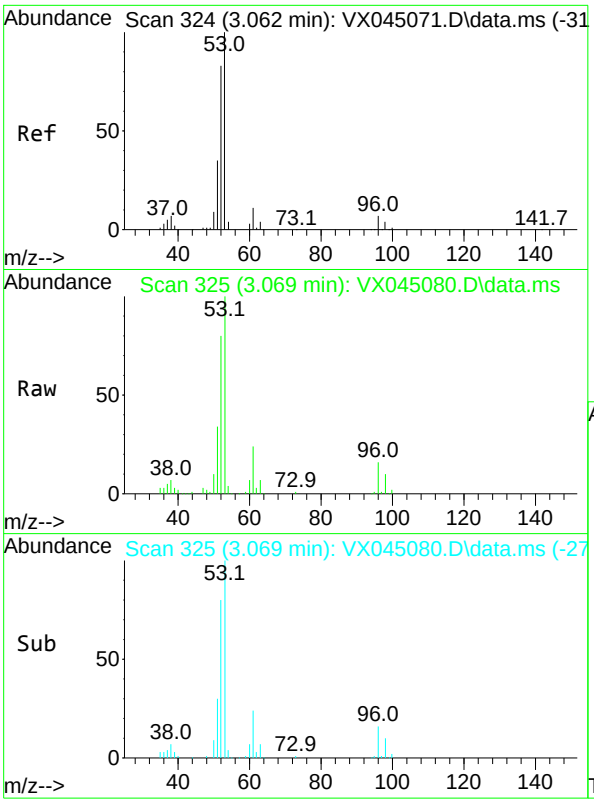


#14
Allyl chloride
Concen: 18.670 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 41 Resp: 44238

Ion	Ratio	Lower	Upper
41	100		
39	68.6	53.8	80.8
76	32.0	25.2	37.8



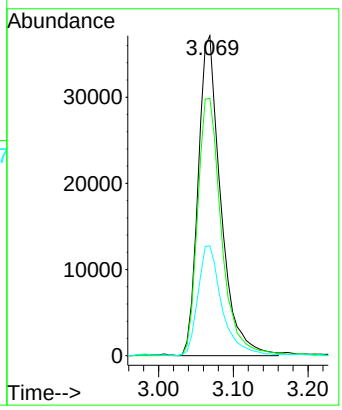


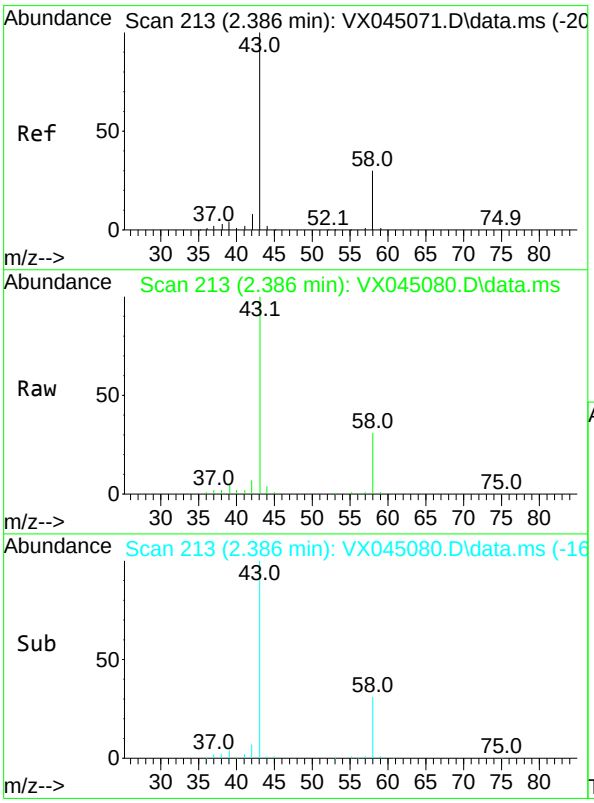
#15
Acrylonitrile
Concen: 89.193 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 53 Resp: 78022

Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.2	99.2
51	36.7	29.0	43.4

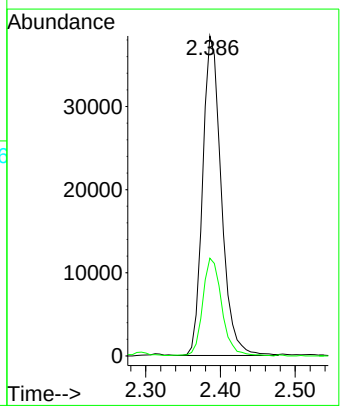


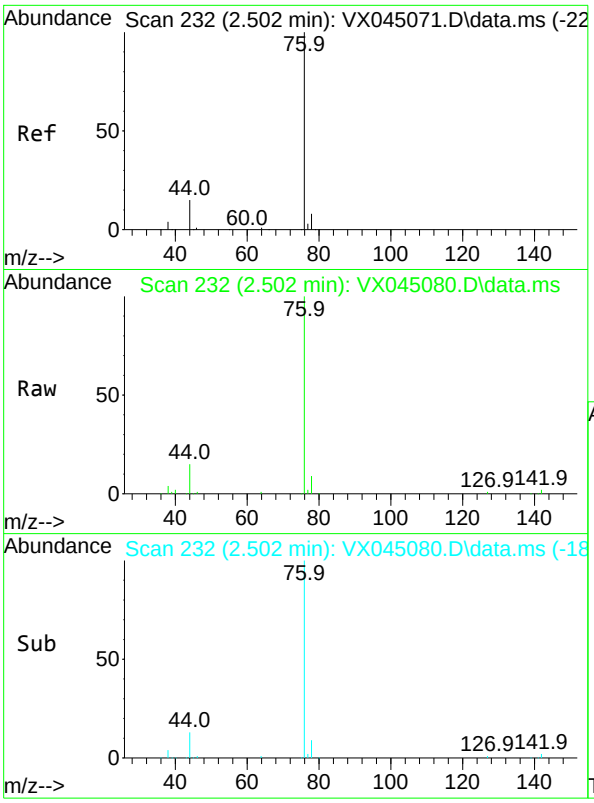


#16
Acetone
Concen: 83.269 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 66572

Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.2	36.4



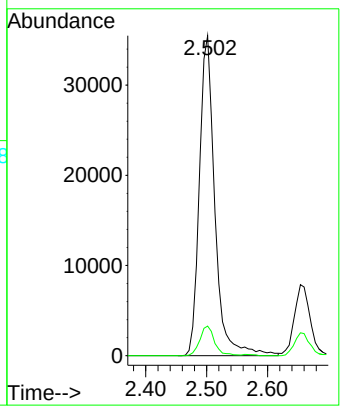


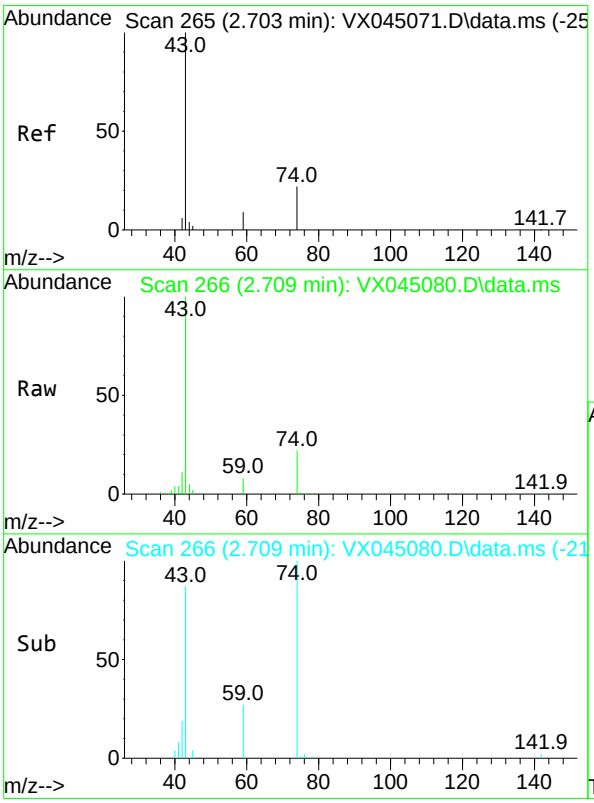
#17
Carbon Disulfide
Concen: 17.691 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 76 Resp: 62721

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

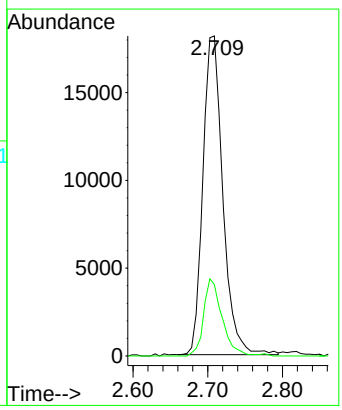


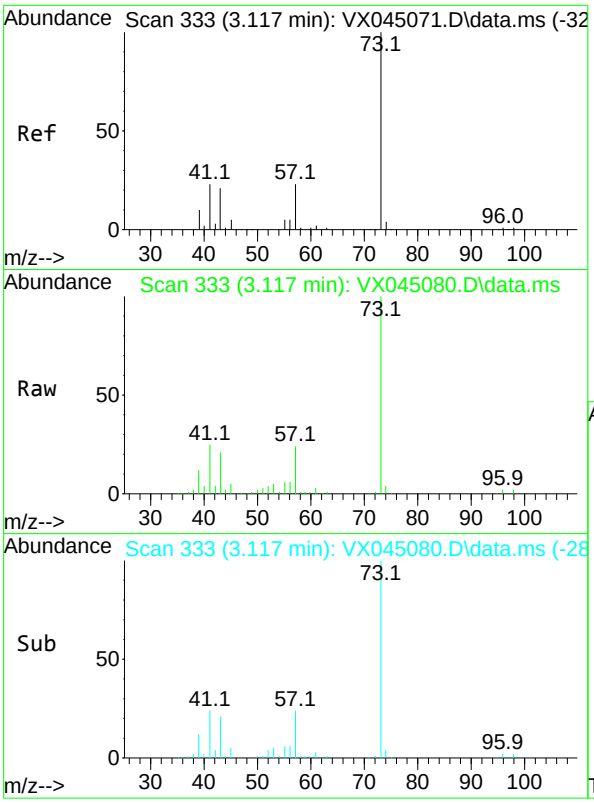


#18
Methyl Acetate
Concen: 17.501 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 33660

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



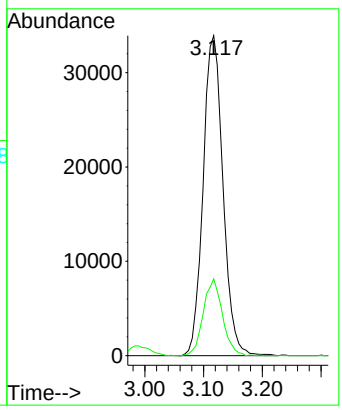


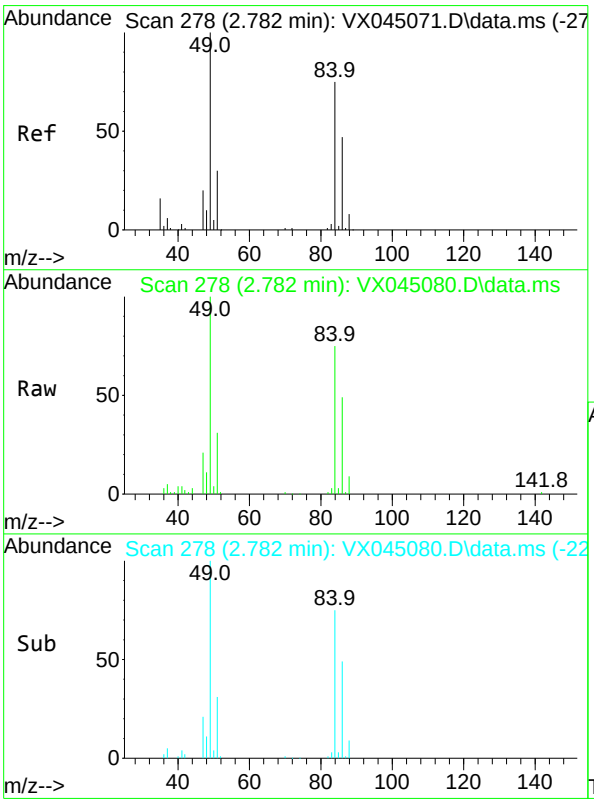
#19
Methyl tert-butyl Ether
Concen: 17.859 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 73 Resp: 79756

Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.5	27.7

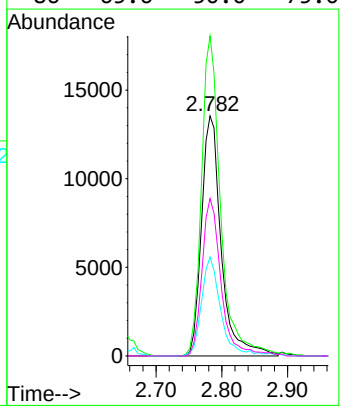


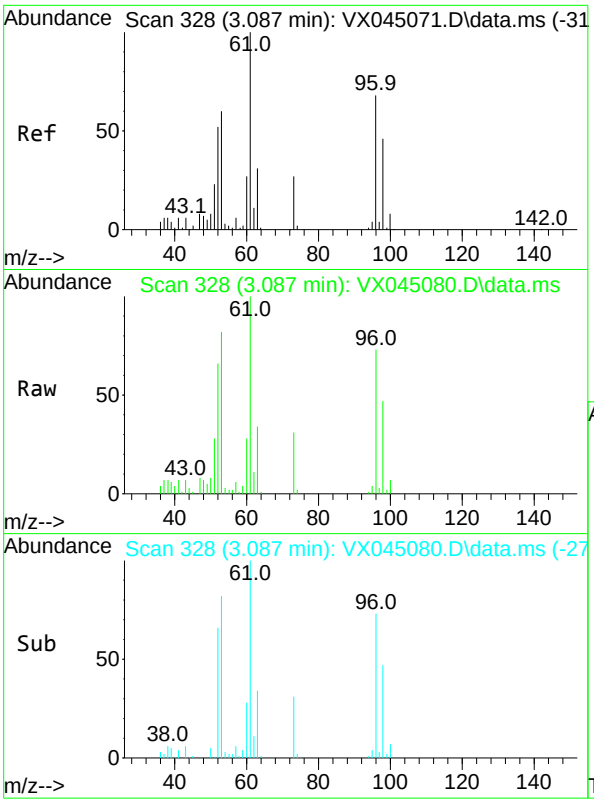


#20
Methylene Chloride
Concen: 17.853 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 84 Resp: 28274

Ion	Ratio	Lower	Upper
84	100		
49	133.4	106.5	159.7
51	41.3	32.1	48.1
86	65.6	50.0	75.0



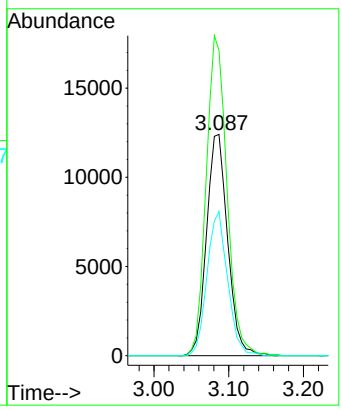


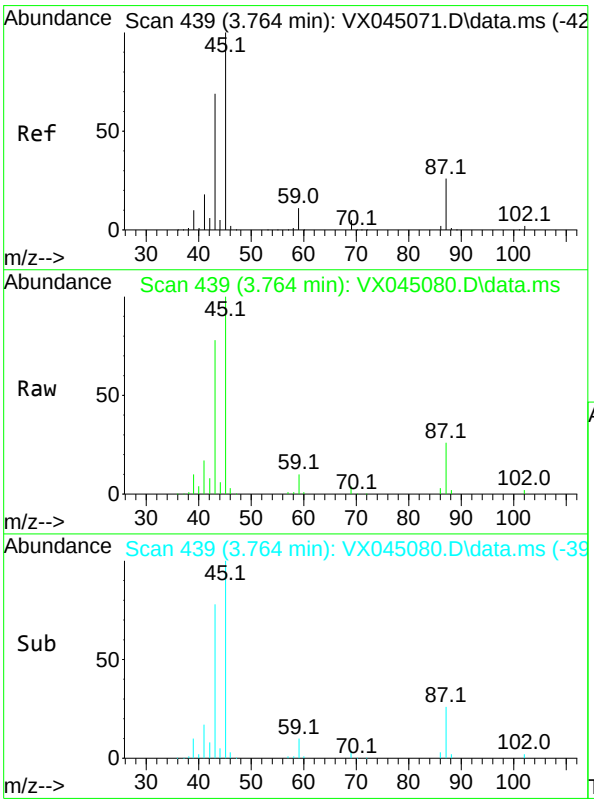
#21
trans-1,2-Dichloroethene
Concen: 18.556 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 96 Resp: 24403

Ion	Ratio	Lower	Upper
96	100		
61	137.9	117.0	175.4
98	65.2	53.4	80.2

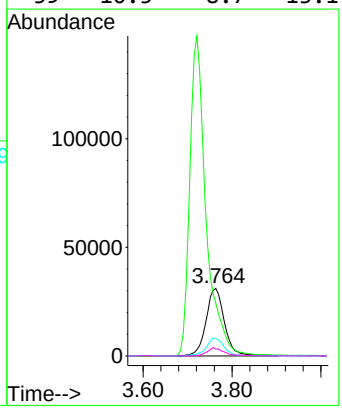


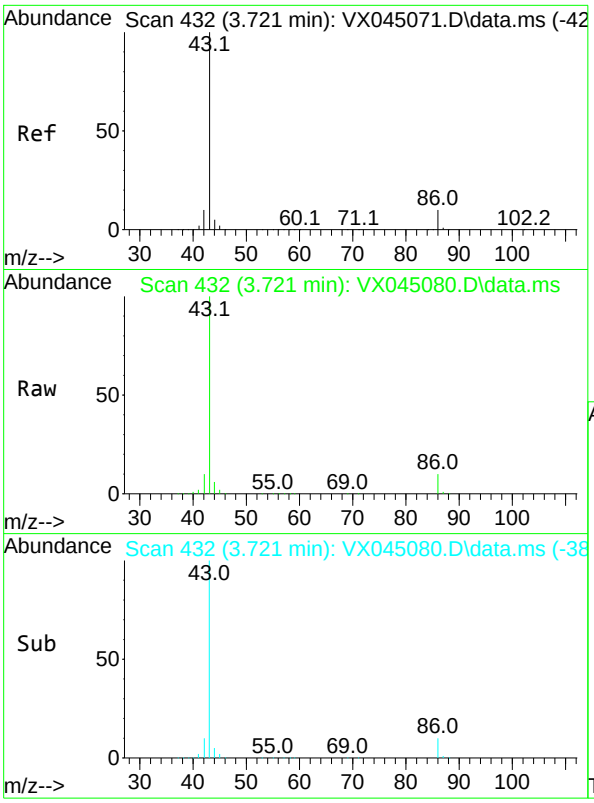


#22
Diisopropyl ether
Concen: 18.596 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 45 Resp: 89611

Ion	Ratio	Lower	Upper
45	100		
43	76.4	54.9	82.3
87	26.0	21.0	31.4
59	10.5	8.7	13.1



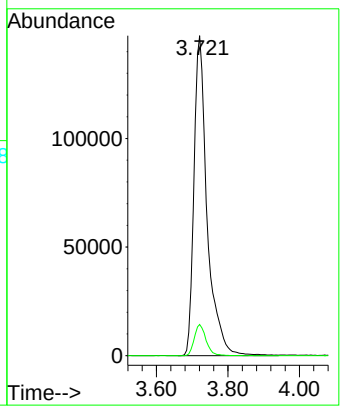


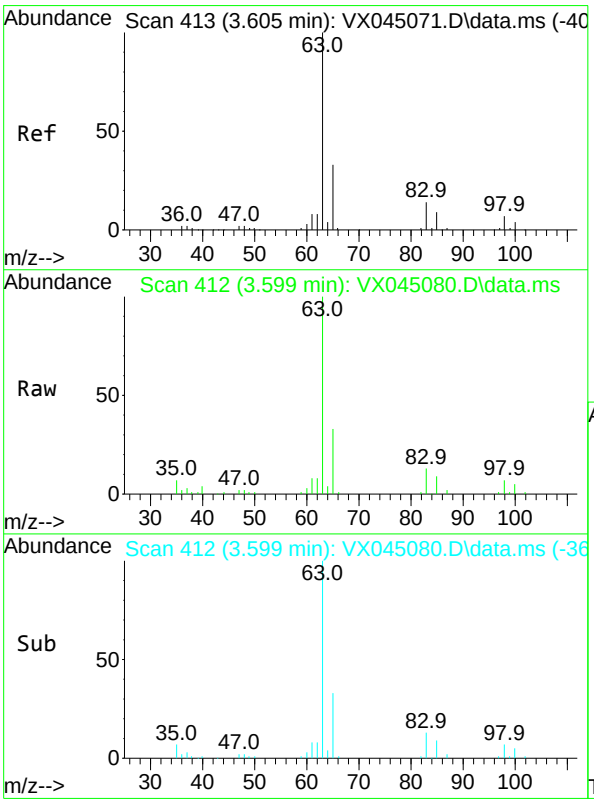
#23
Vinyl Acetate
Concen: 93.881 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 43 Resp: 377536

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

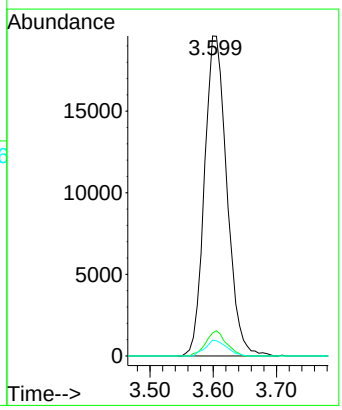


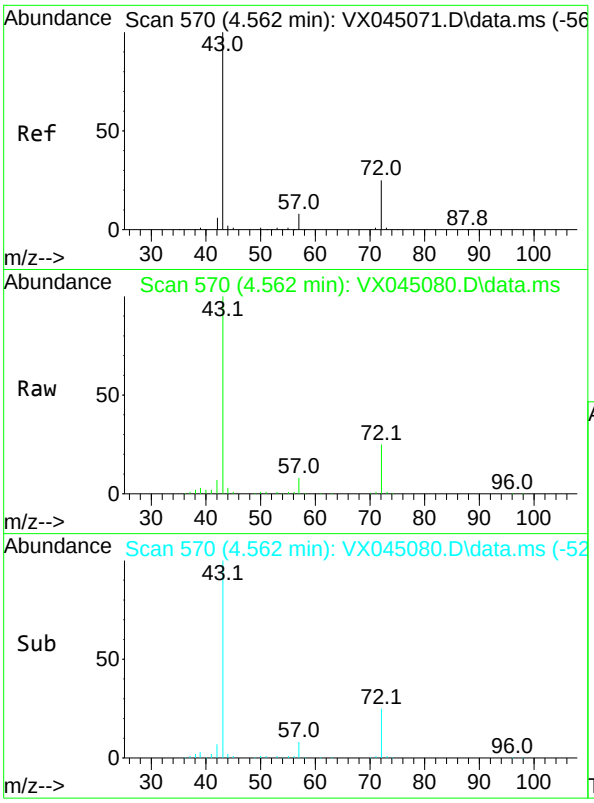


#24
1,1-Dichloroethane
Concen: 17.874 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 63 Resp: 48272

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.2
100	4.9	2.1	6.5



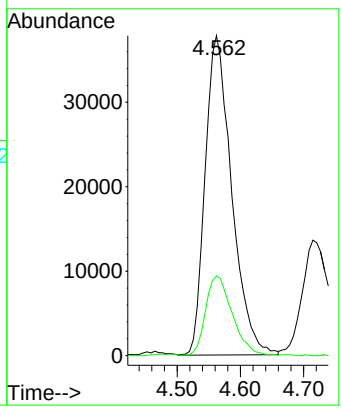


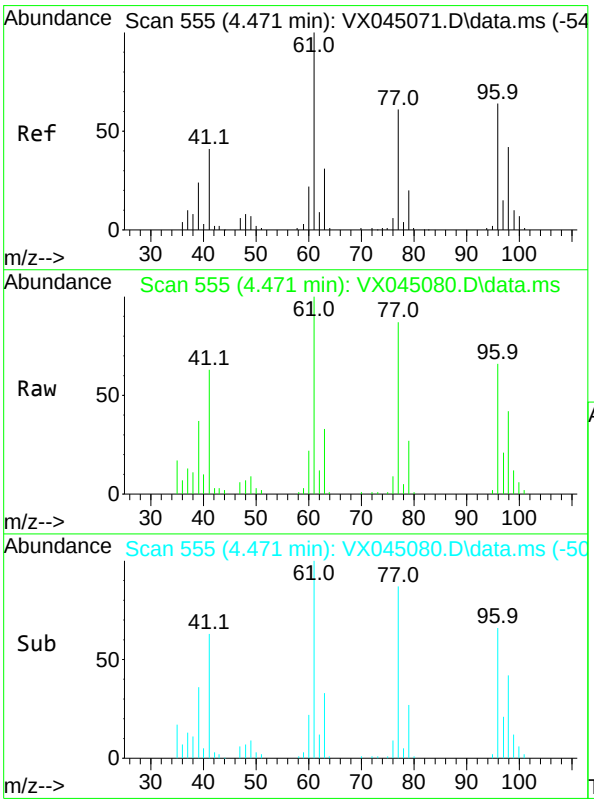
#25
2-Butanone
Concen: 91.613 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 43 Resp: 110248

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.0	30.0

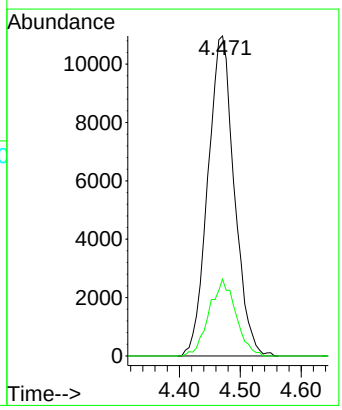


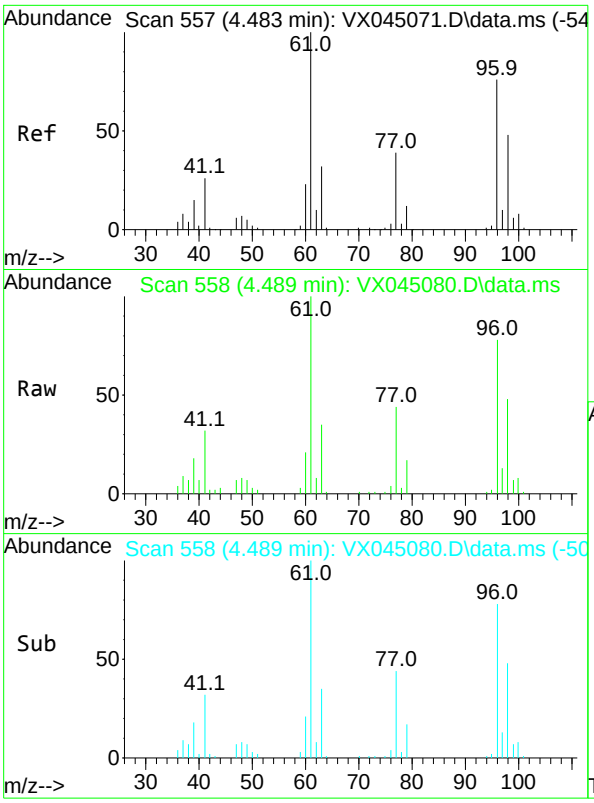


#26
2,2-Dichloropropane
Concen: 26.092 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 77 Resp: 33053

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



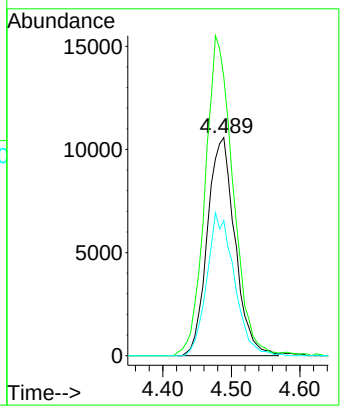


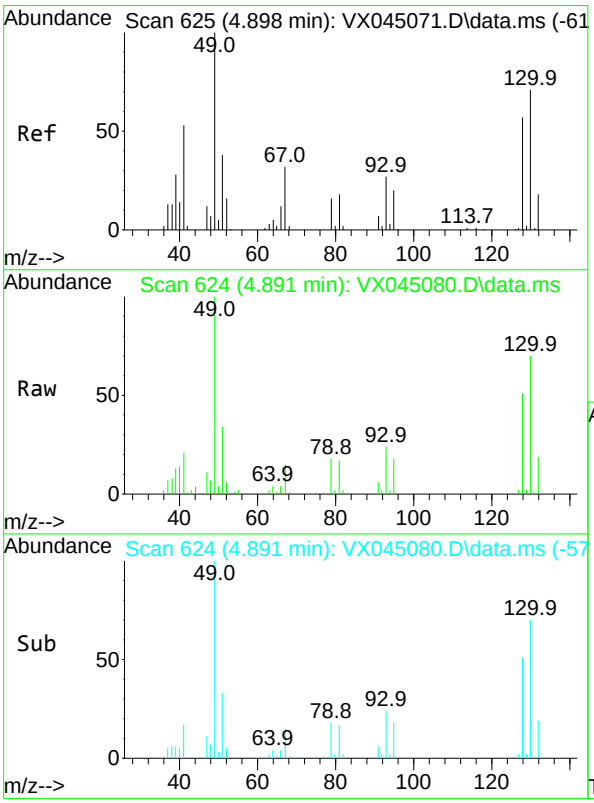
#27
cis-1,2-Dichloroethene
Concen: 18.196 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 96 Resp: 29539

Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	283.2
98	65.1	0.0	128.0

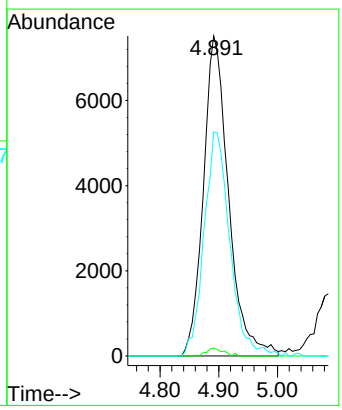


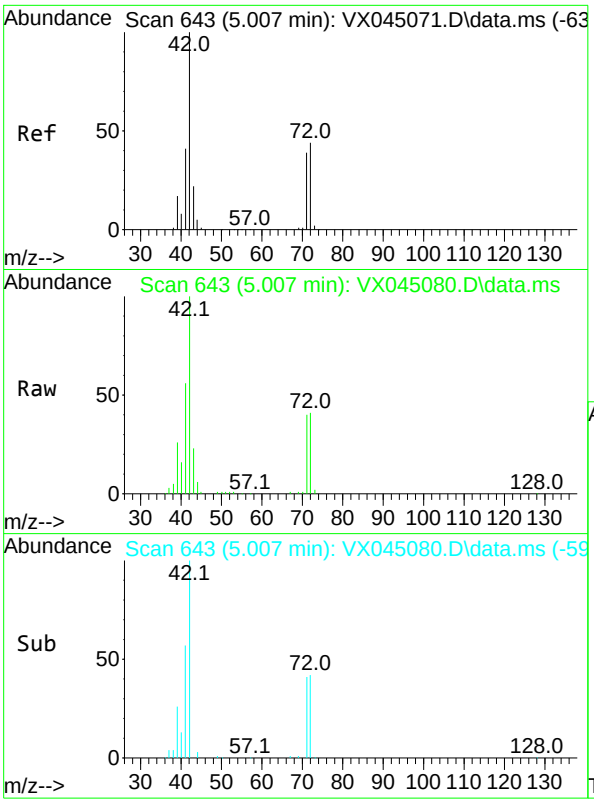


#28
Bromochloromethane
Concen: 17.404 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 49 Resp: 22404

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	71.5	56.1	84.1



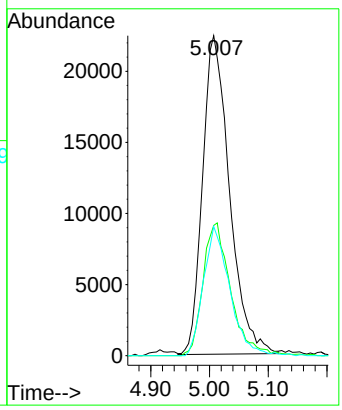


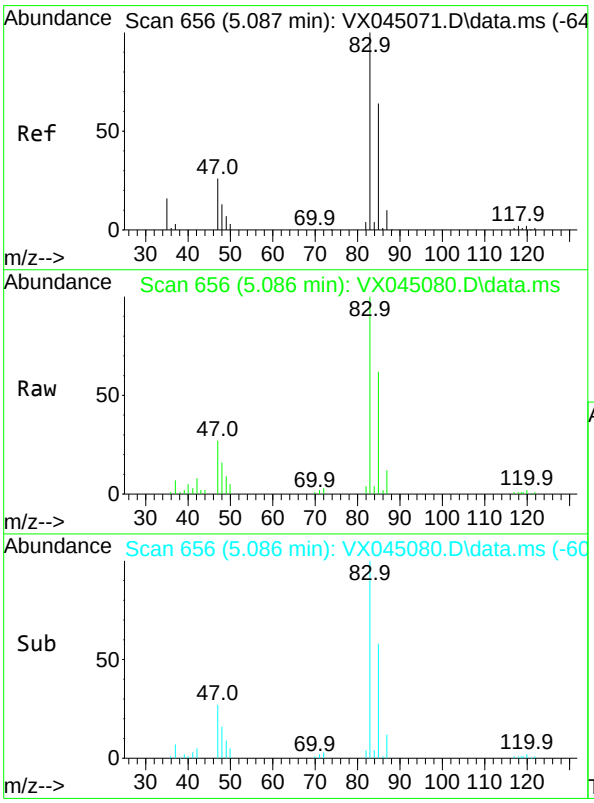
#29
Tetrahydrofuran
Concen: 88.264 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 42 Resp: 71331

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.1	51.1
71	39.9	31.4	47.0

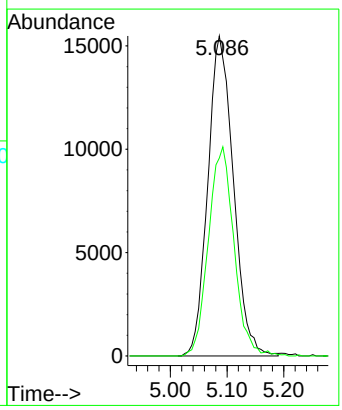


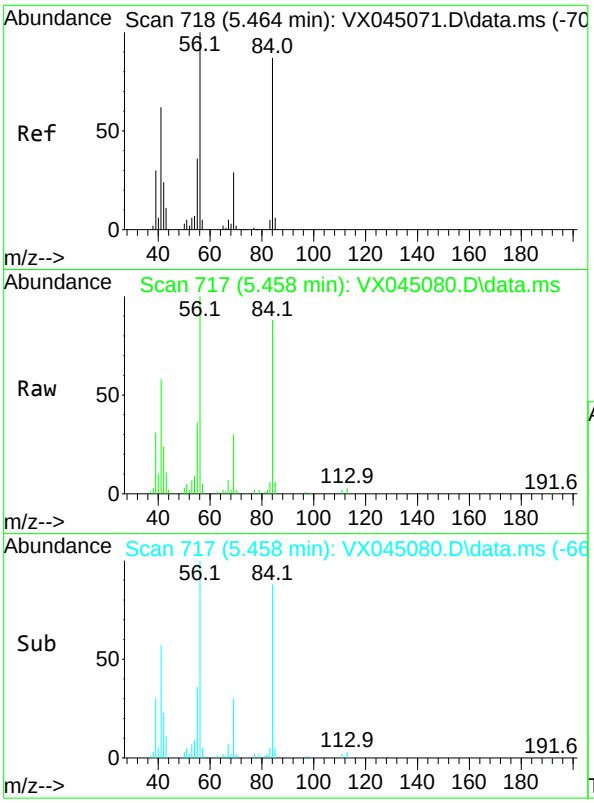


#30
Chloroform
Concen: 18.082 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 83 Resp: 48521

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.4	77.2



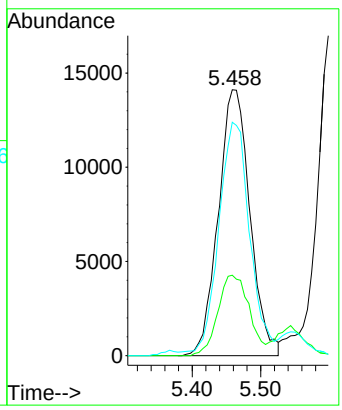


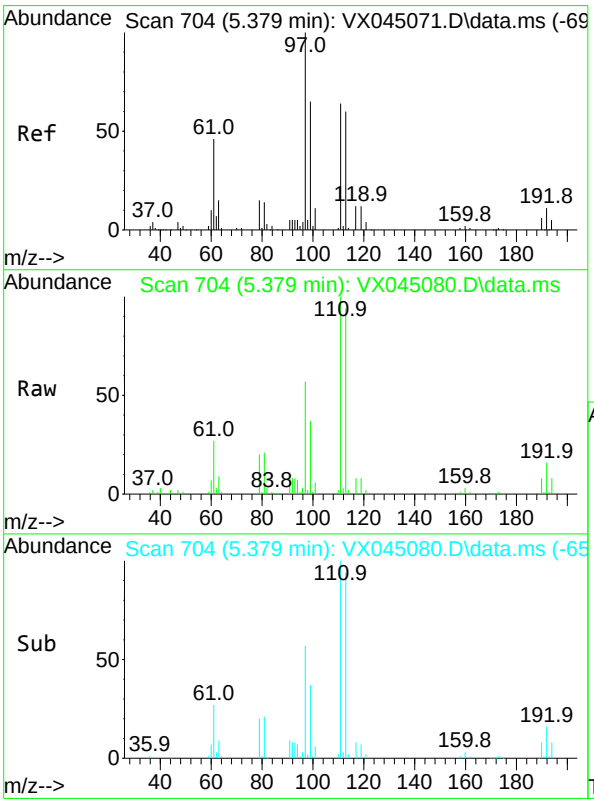
#31
Cyclohexane
Concen: 19.324 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 56 Resp: 45303

Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.4	35.2
84	86.4	69.4	104.2

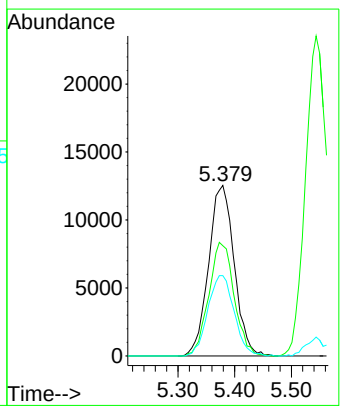


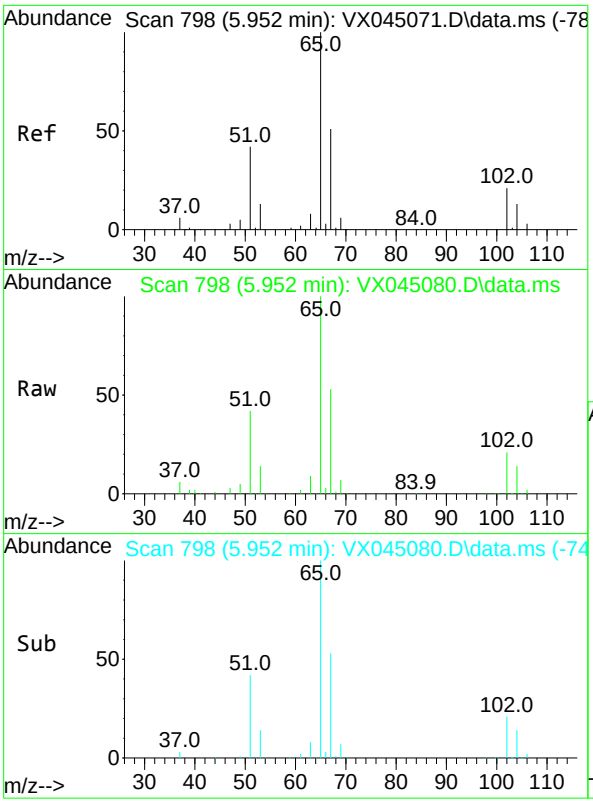


#32
1,1,1-Trichloroethane
Concen: 18.150 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 97 Resp: 39336

Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.6	77.4
61	48.4	38.4	57.6



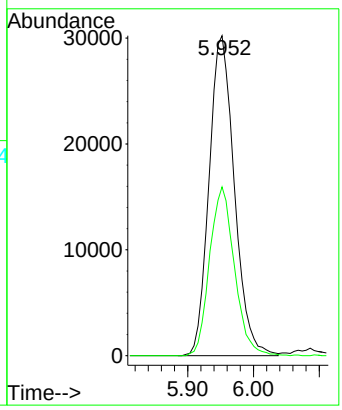


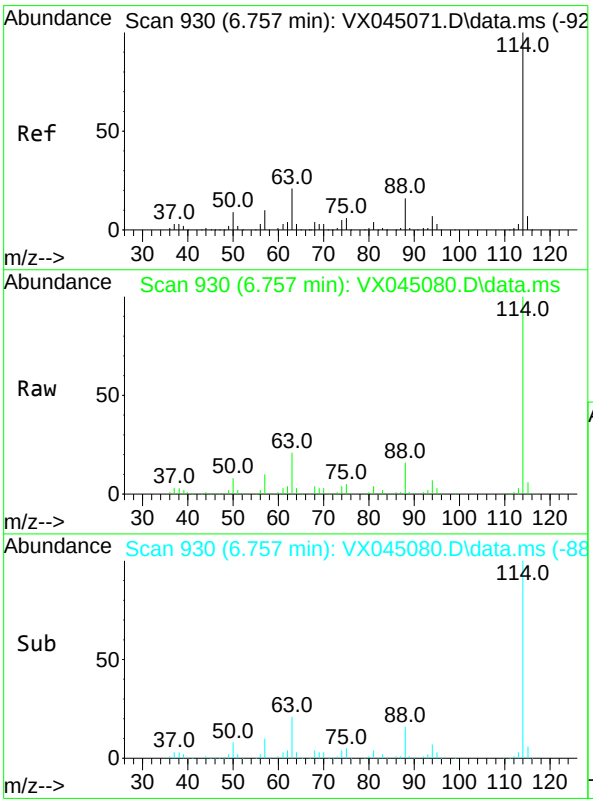
#33
1,2-Dichloroethane-d4
Concen: 46.938 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 65 Resp: 80881

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2

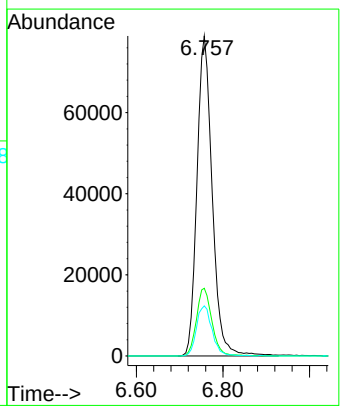


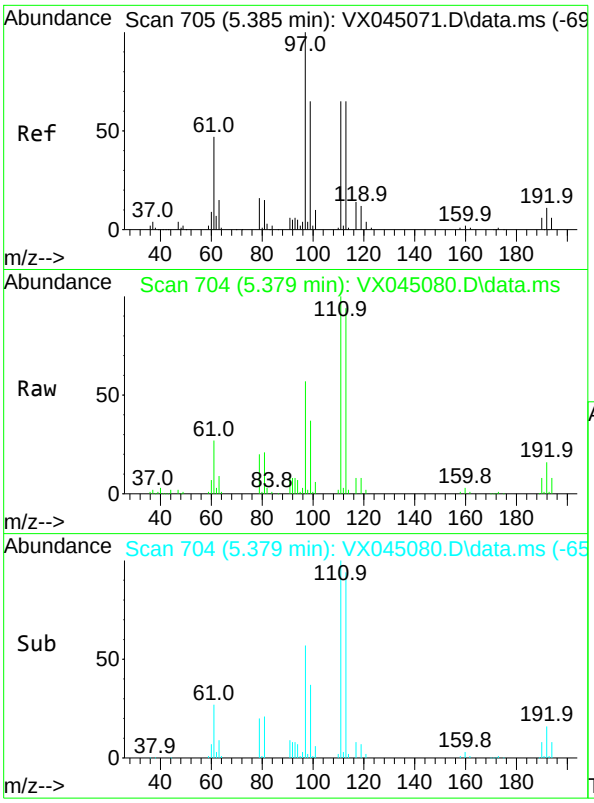


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:114 Resp: 192724

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.8
88	15.6	0.0	32.8



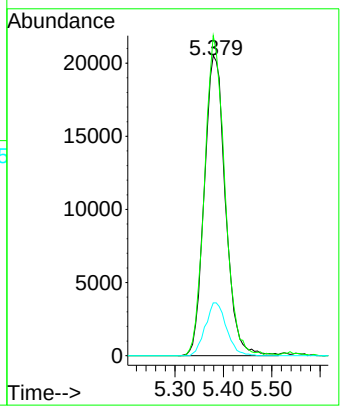


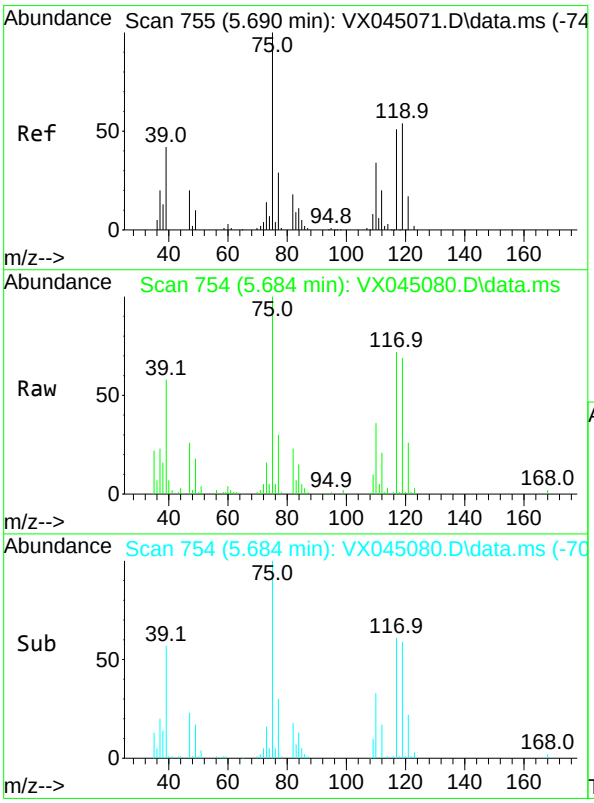
#35
Dibromofluoromethane
Concen: 48.207 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:113 Resp: 62124

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	17.6	14.3	21.5

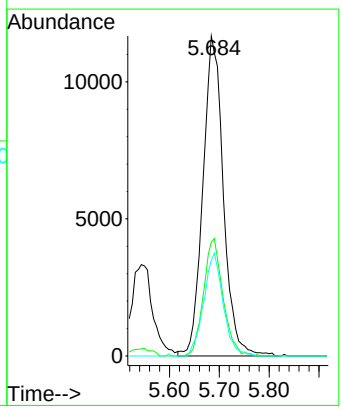


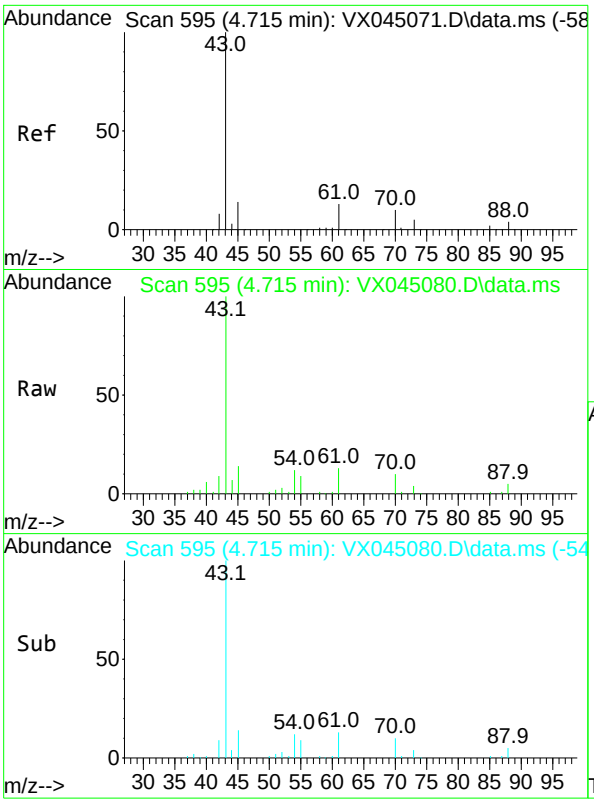


#36
1,1-Dichloropropene
Concen: 18.803 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 33230

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.6
77	30.6	24.5	36.7



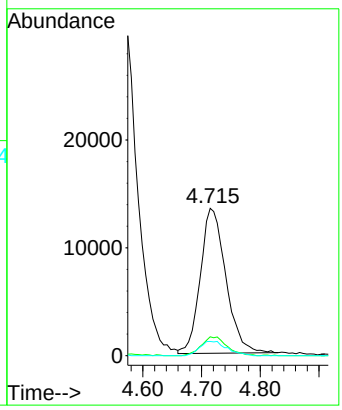


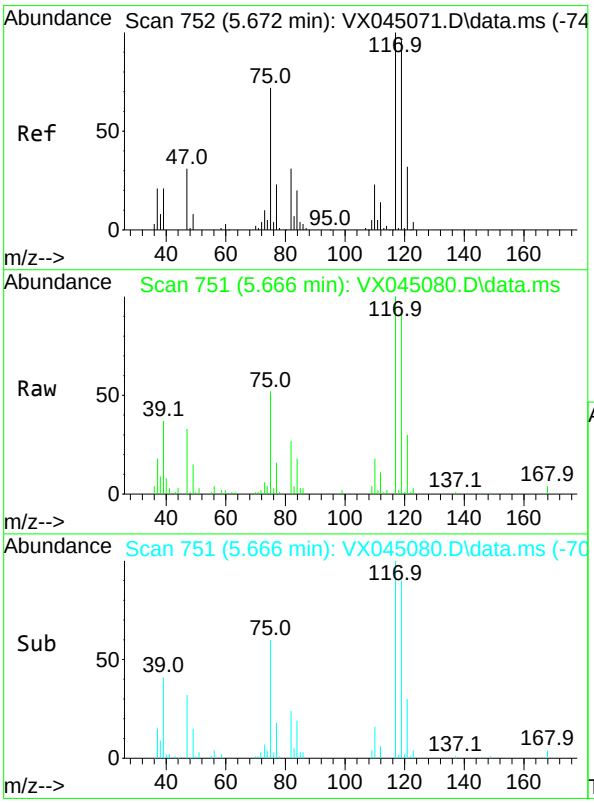
#37
Ethyl Acetate
Concen: 17.811 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 43 Resp: 40562

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	10.6	7.7	11.5

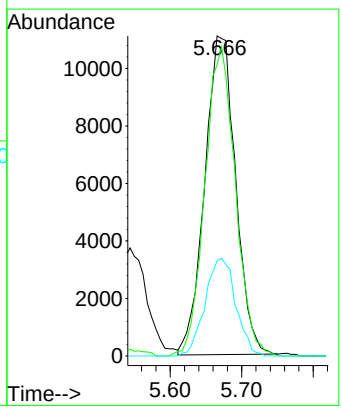


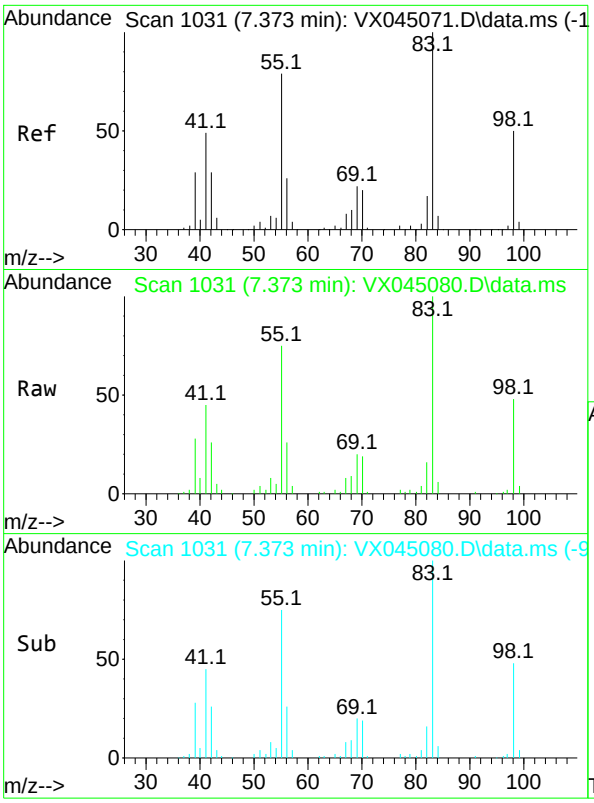


#38
Carbon Tetrachloride
Concen: 18.548 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:117 Resp: 33280

Ion	Ratio	Lower	Upper
117	100		
119	91.5	76.7	115.1
121	29.9	25.5	38.3



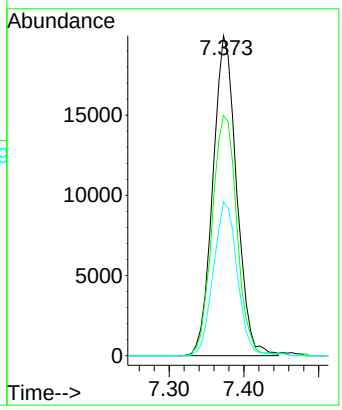


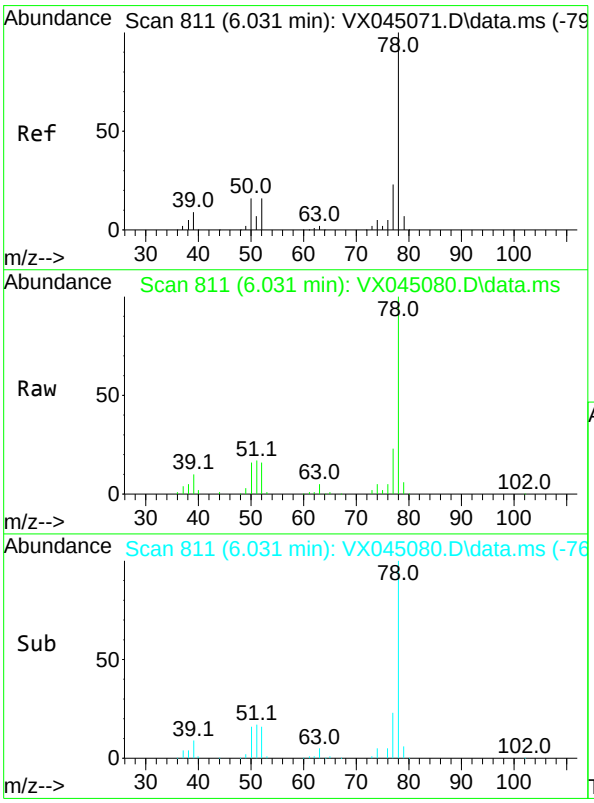
#39
Methylcyclohexane
Concen: 20.816 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 83 Resp: 44081

Ion	Ratio	Lower	Upper
83	100		
55	75.1	63.0	94.4
98	48.1	39.7	59.5

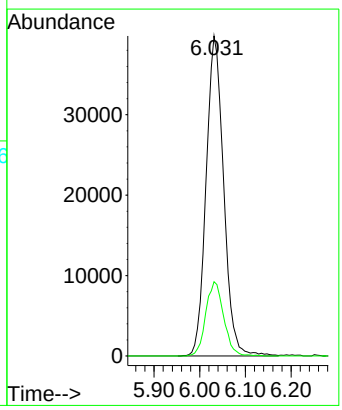


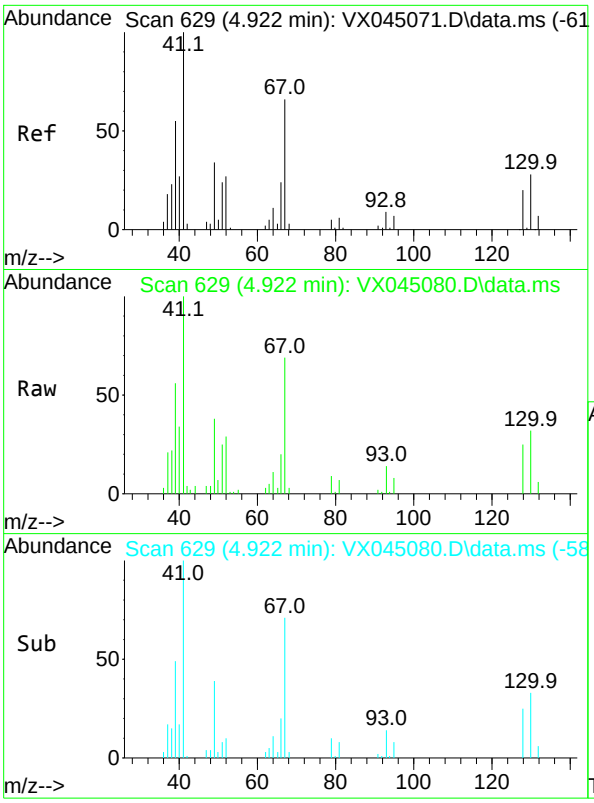


#40
Benzene
Concen: 19.035 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 78 Resp: 106228

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



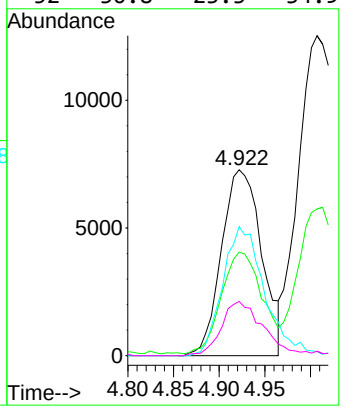


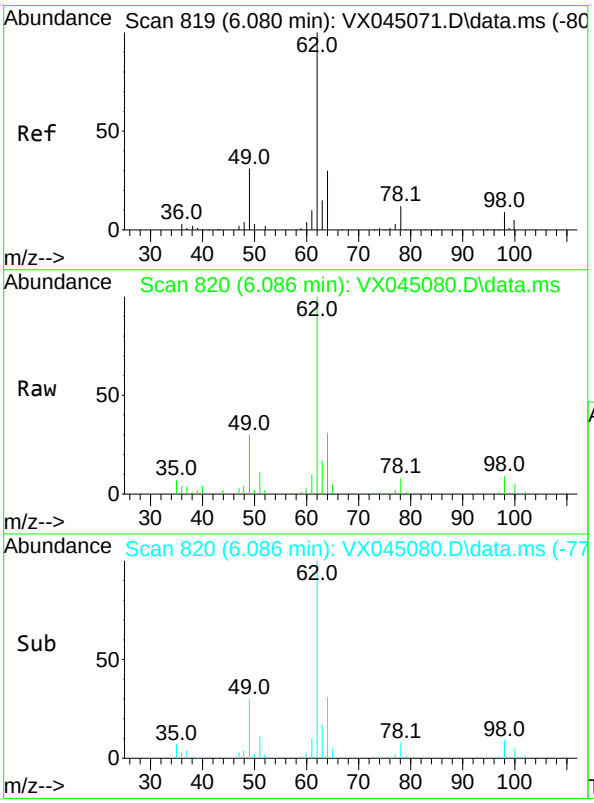
#41
Methacrylonitrile
Concen: 18.159 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 41 Resp: 22360

Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.6	67.0
67	71.9	53.9	80.9
52	30.8	23.3	34.9

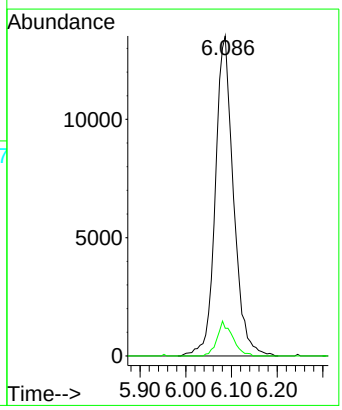


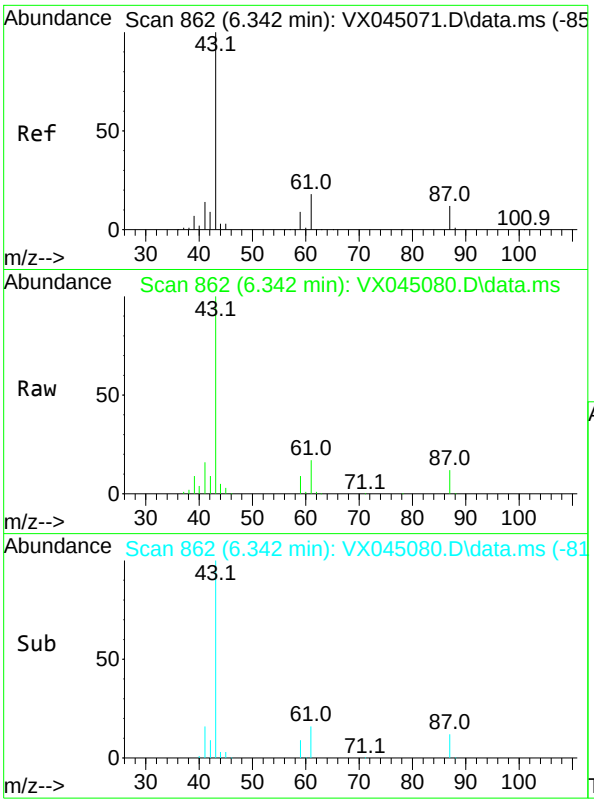


#42
1,2-Dichloroethane
Concen: 18.559 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 62 Resp: 37297

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



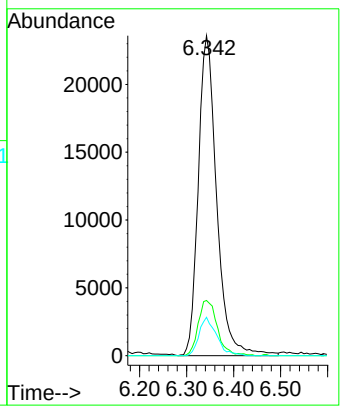


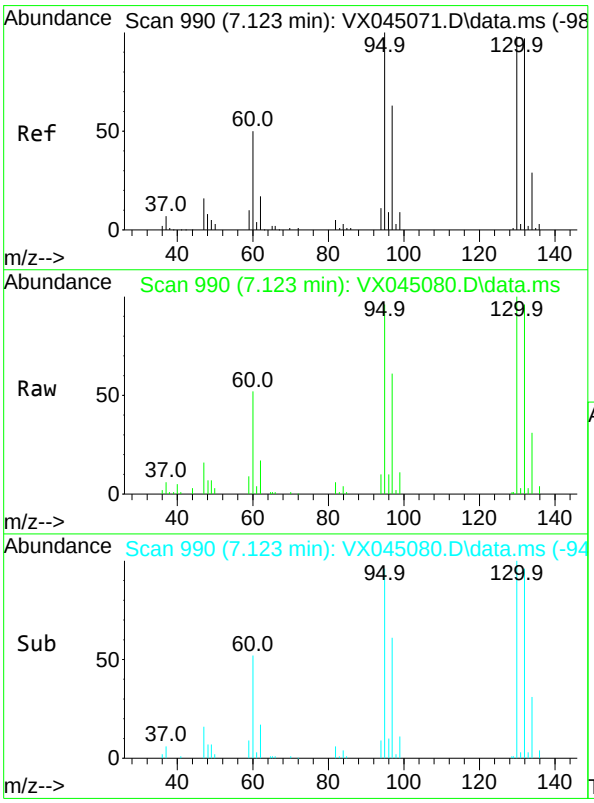
#43
Isopropyl Acetate
Concen: 19.076 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 43 Resp: 64239

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.9	22.3
87	11.4	9.4	14.2

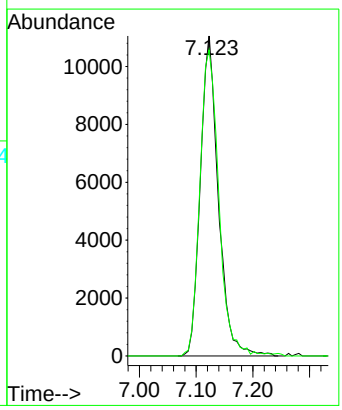


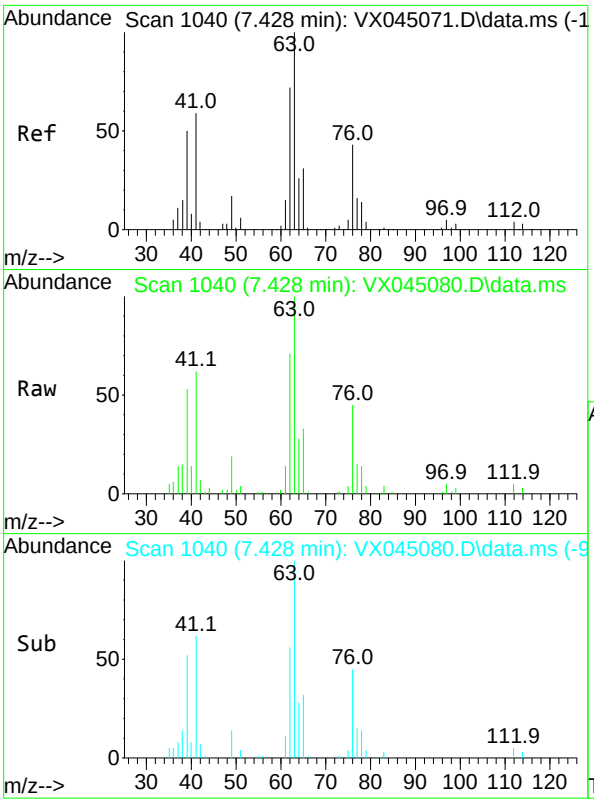


#44
Trichloroethene
Concen: 18.612 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:130 Resp: 24390

Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	205.0



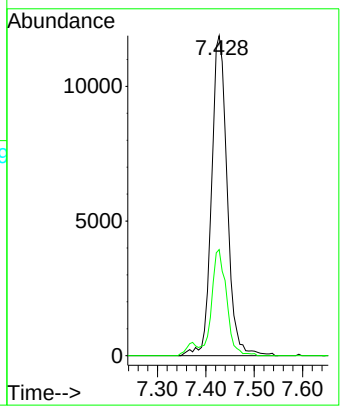


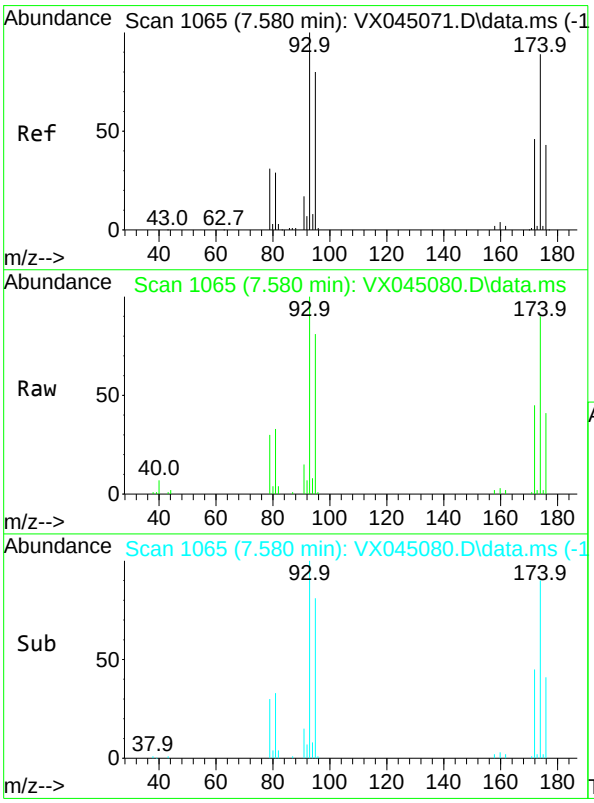
#45
1,2-Dichloropropane
Concen: 18.614 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 63 Resp: 26709

Ion	Ratio	Lower	Upper
63	100		
65	33.2	24.7	37.1

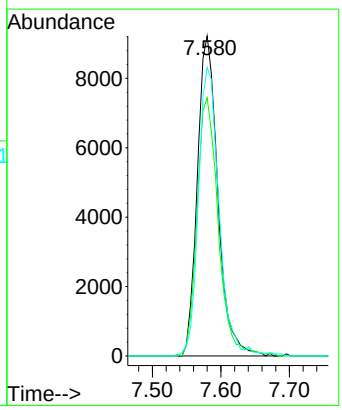


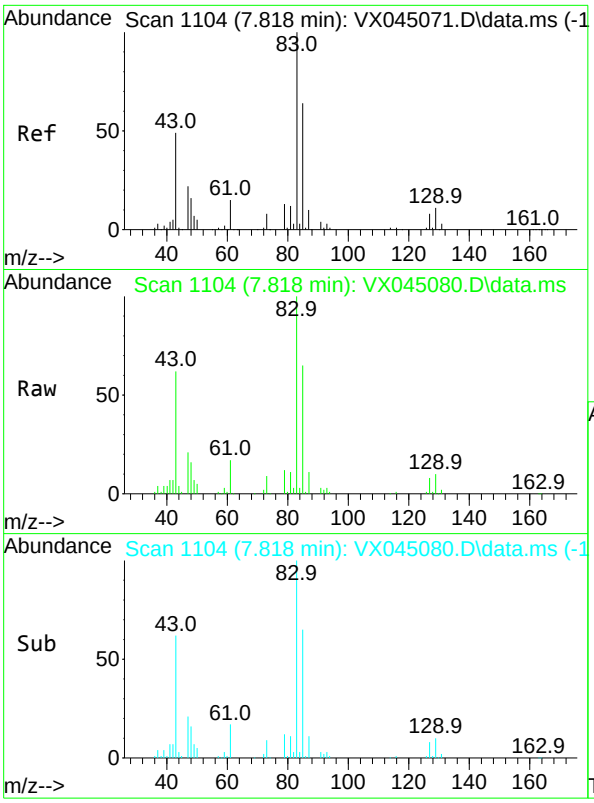


#46
Dibromomethane
Concen: 18.949 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 93 Resp: 19218

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.8	98.8
174	91.1	72.2	108.2



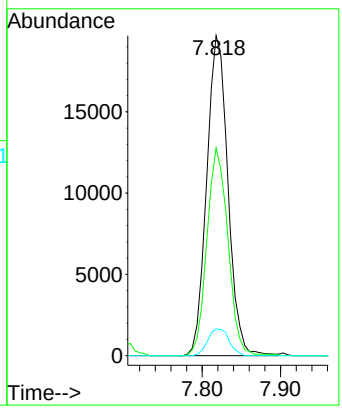


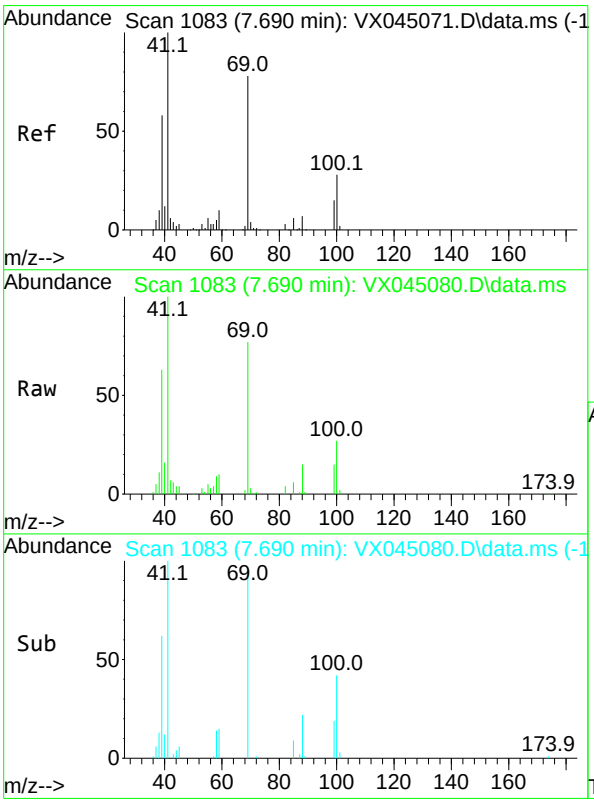
#47
Bromodichloromethane
Concen: 18.624 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 83 Resp: 37048

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	8.4	6.4	9.6

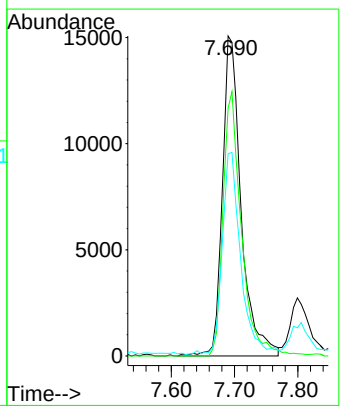


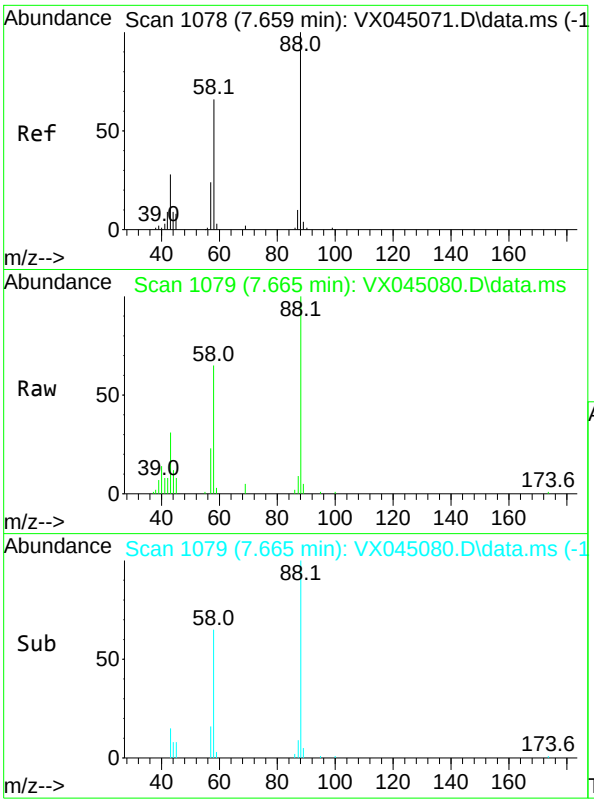


#48
Methyl methacrylate
Concen: 18.322 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 41 Resp: 30953

Ion	Ratio	Lower	Upper
41	100		
69	81.4	63.0	94.6
39	61.0	47.5	71.3



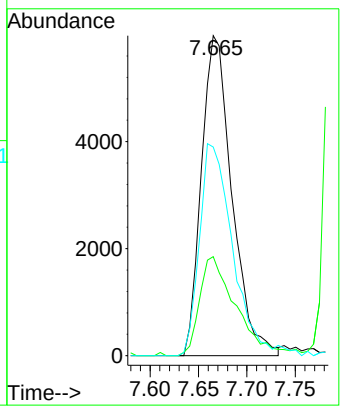


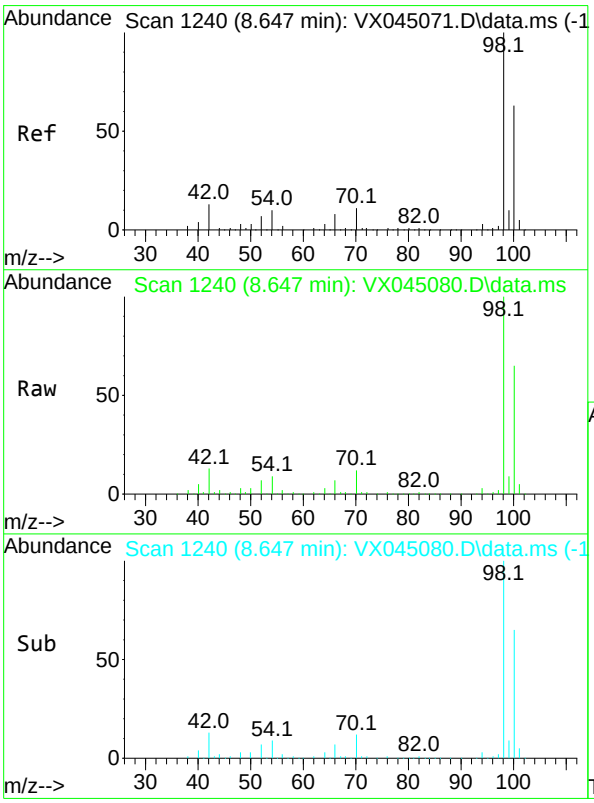
#49
1,4-Dioxane
Concen: 369.225 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 88 Resp: 13158

Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.7	43.1
58	72.5	55.8	83.8

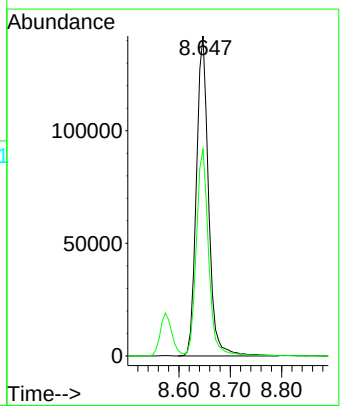


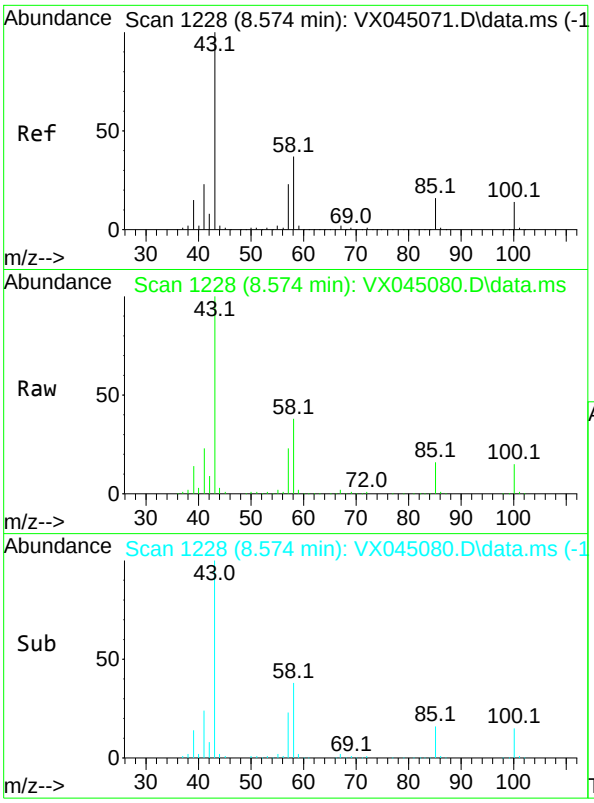


#50
Toluene-d8
Concen: 50.059 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 98 Resp: 233874

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



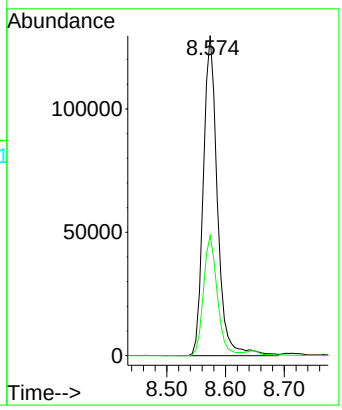


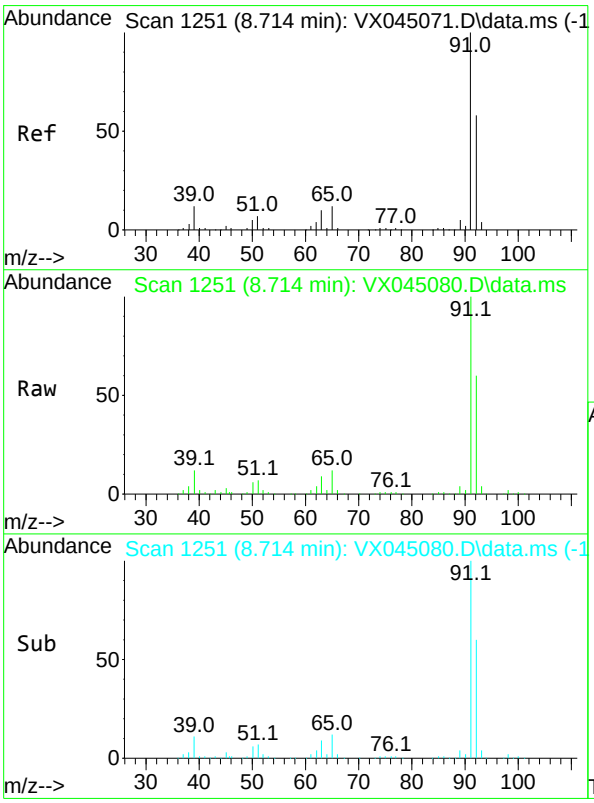
#51
4-Methyl-2-Pentanone
Concen: 95.598 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 43 Resp: 216153

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8

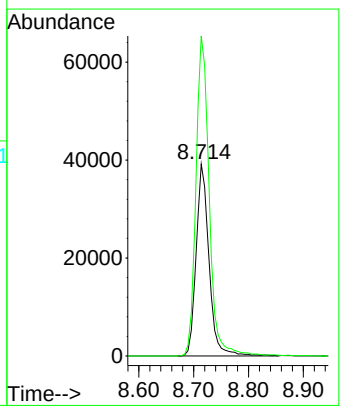


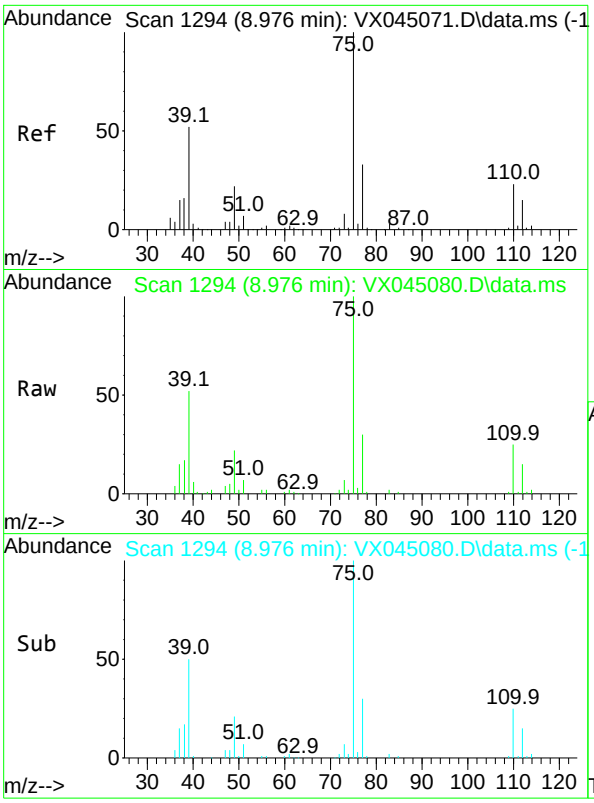


#52
Toluene
Concen: 19.628 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 92 Resp: 64270

Ion	Ratio	Lower	Upper
92	100		
91	171.4	138.9	208.3



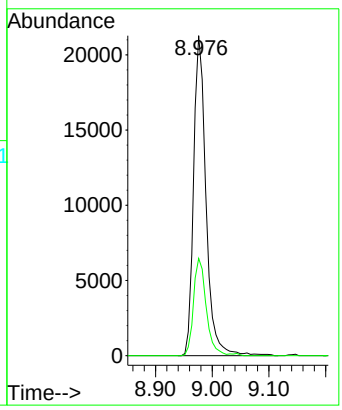


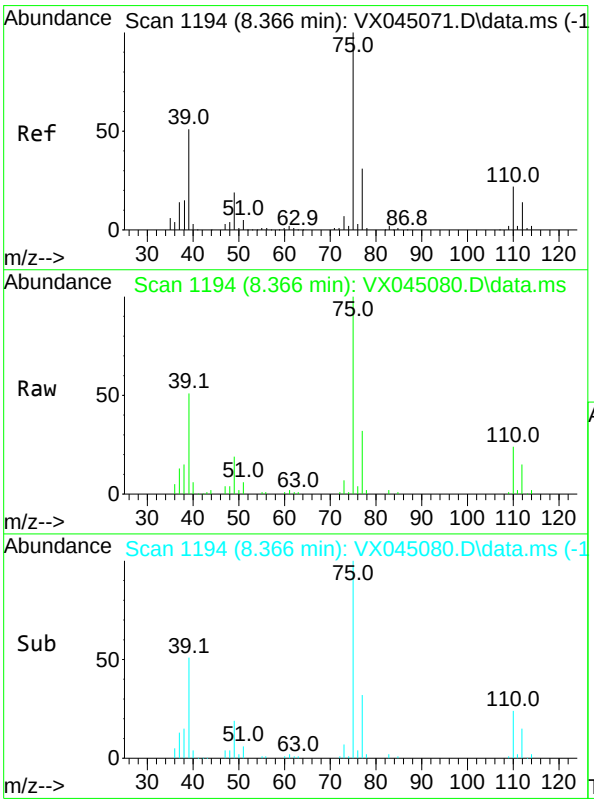
#53
t-1,3-Dichloropropene
Concen: 19.479 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 75 Resp: 32395

Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.5	39.7

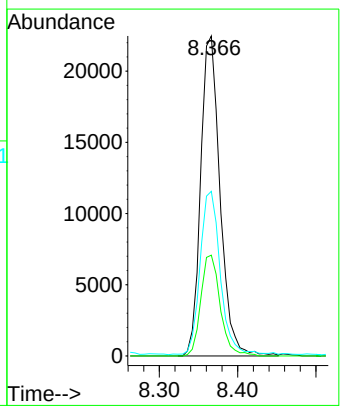


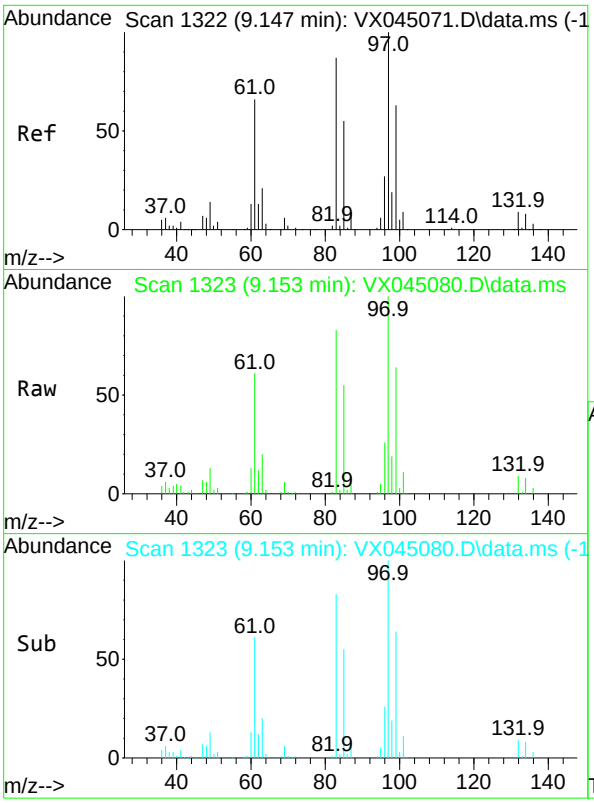


#54
cis-1,3-Dichloropropene
Concen: 19.970 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 38727

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.7	37.1
39	50.9	40.7	61.1



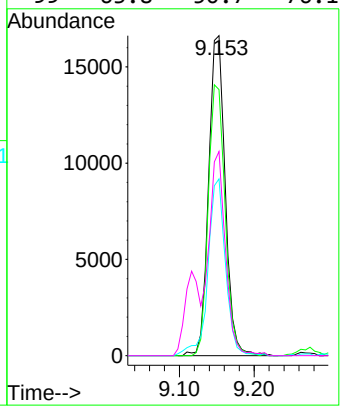


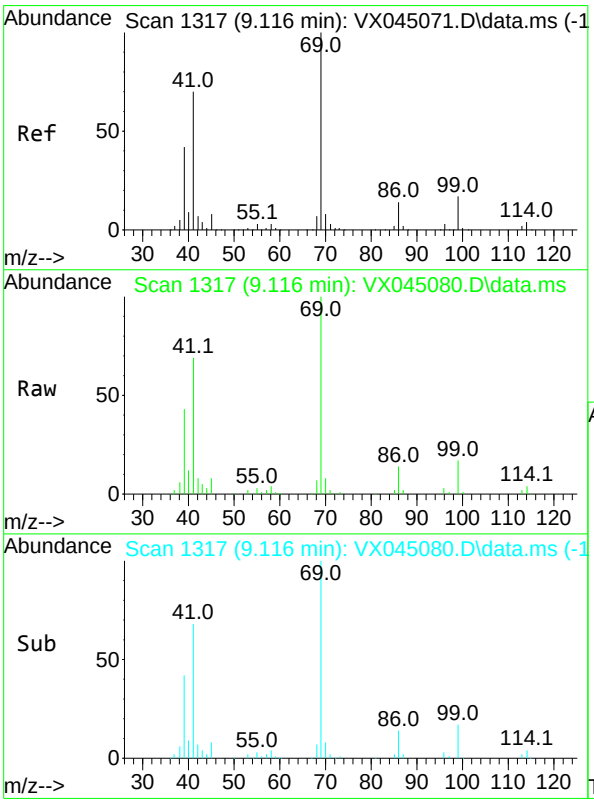
#55
1,1,2-Trichloroethane
Concen: 19.074 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 97 Resp: 25711

Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.4	104.2
85	55.2	44.1	66.1
99	63.8	50.7	76.1

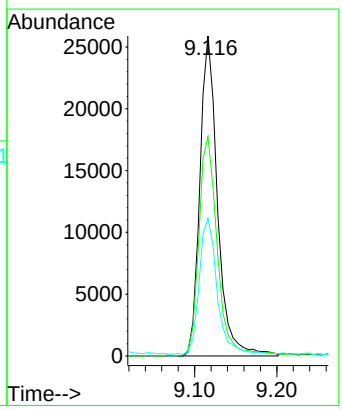


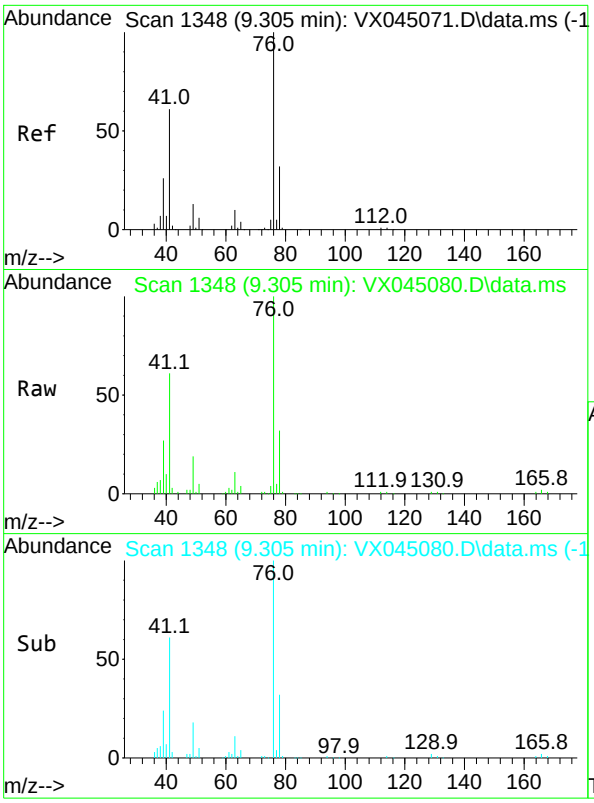


#56
Ethyl methacrylate
Concen: 18.857 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 69 Resp: 38638

Ion	Ratio	Lower	Upper
69	100		
41	72.4	57.0	85.4
39	43.0	34.2	51.4



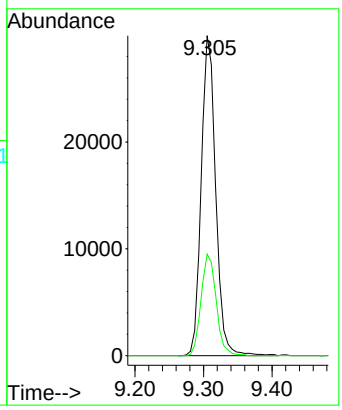


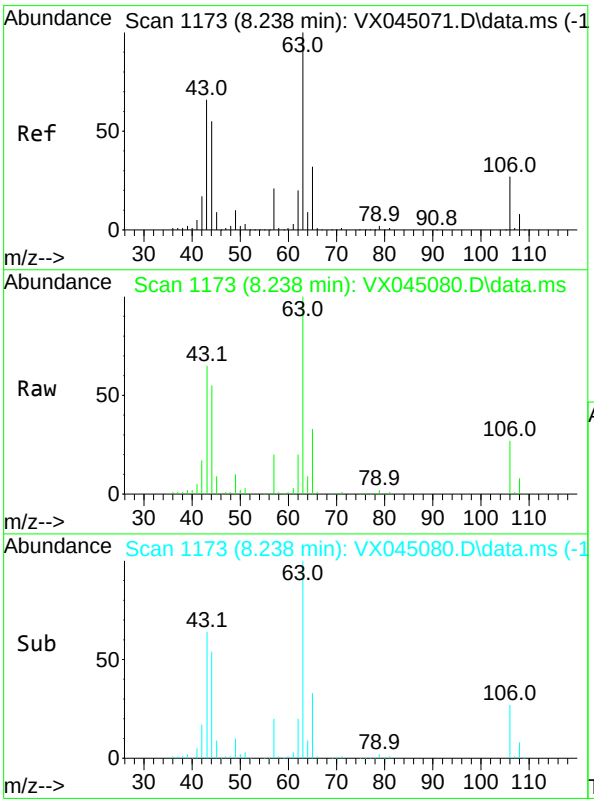
#57
1,3-Dichloropropane
Concen: 18.881 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 76 Resp: 44044

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.5	38.3

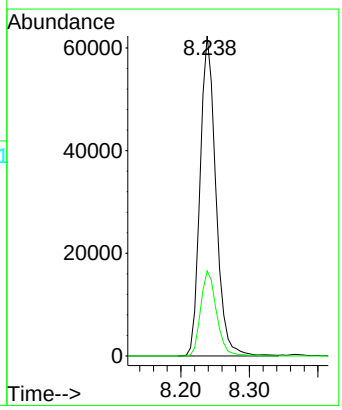


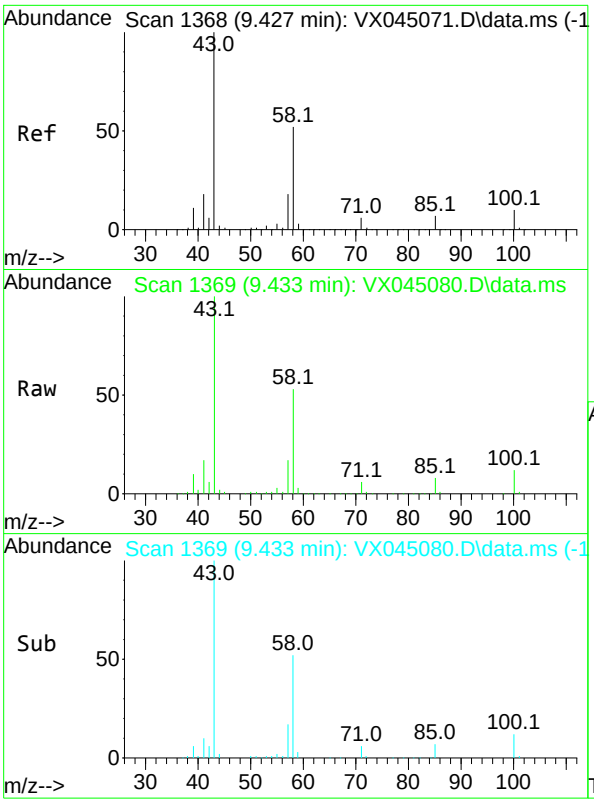


#58
2-Chloroethyl Vinyl ether
Concen: 100.039 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 63 Resp: 99991

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3



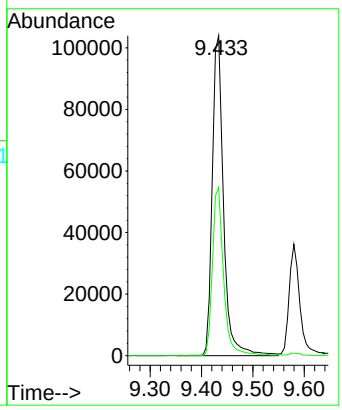


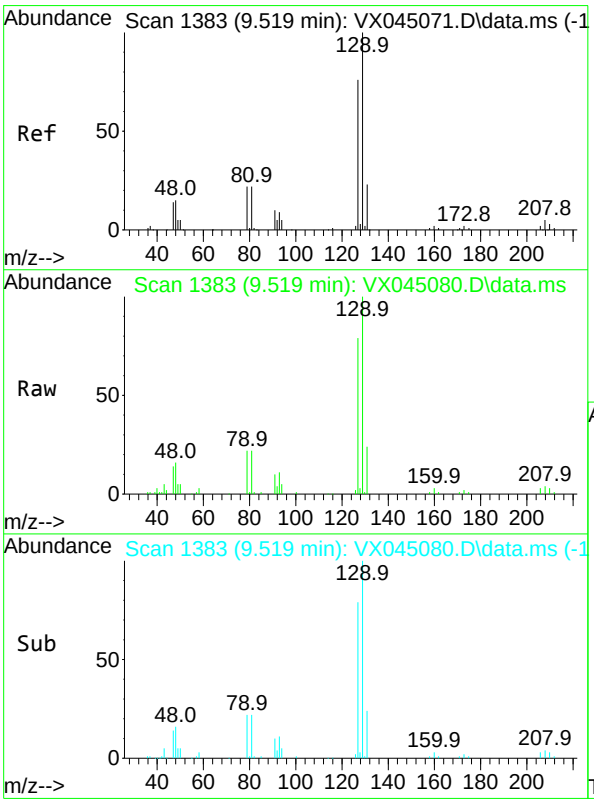
#59
2-Hexanone
Concen: 96.991 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 43 Resp: 158894

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

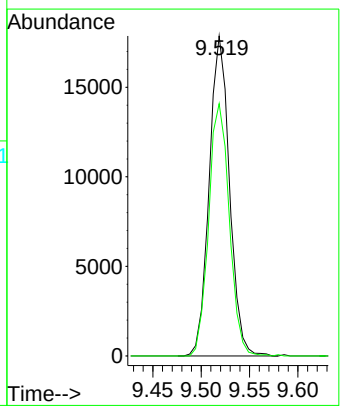


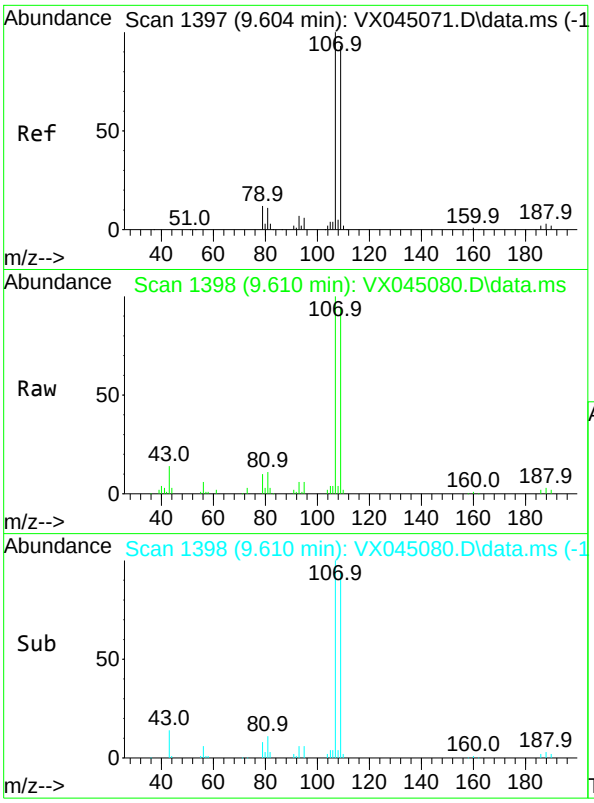


#60
Dibromochloromethane
Concen: 18.475 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:129 Resp: 26039

Ion	Ratio	Lower	Upper
129	100		
127	80.3	38.5	115.5



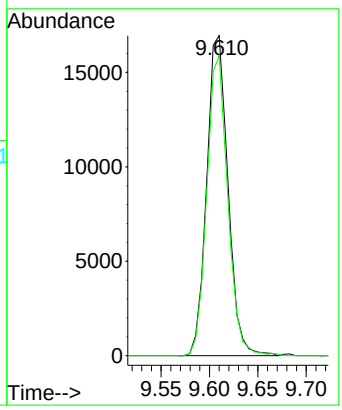


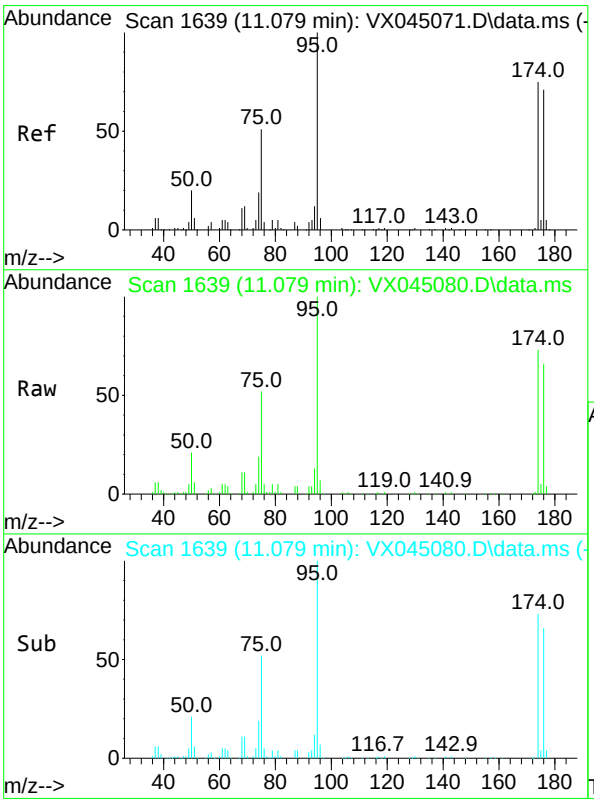
#61
1,2-Dibromoethane
Concen: 19.303 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:107 Resp: 25976

Ion	Ratio	Lower	Upper
107	100		
109	92.2	76.1	114.1

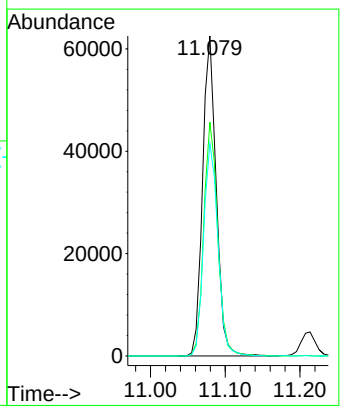


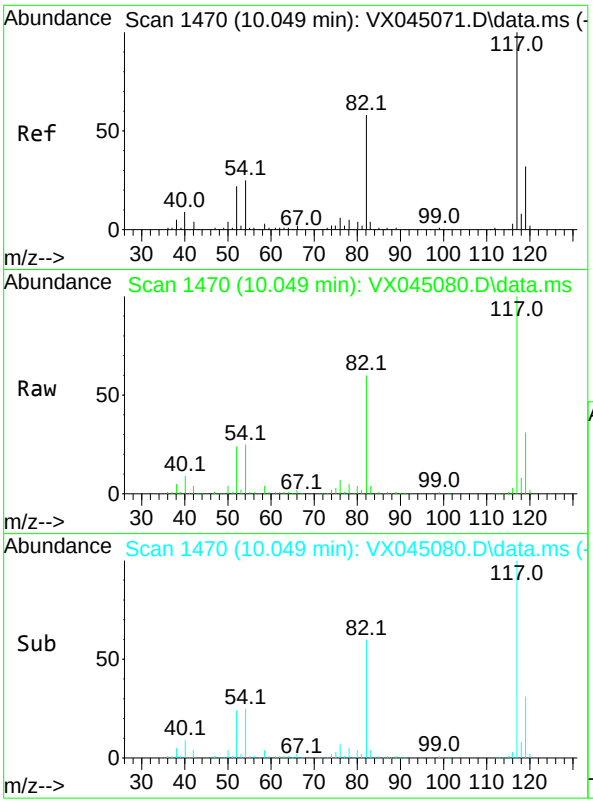


#62
4-Bromofluorobenzene
Concen: 51.005 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 95 Resp: 78964

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	148.2
176	69.8	0.0	141.4



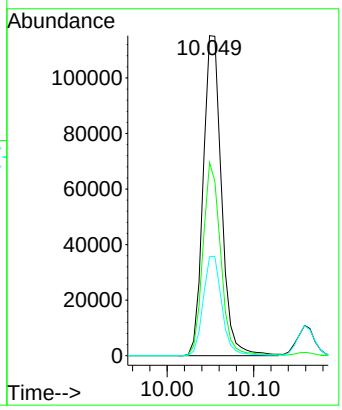


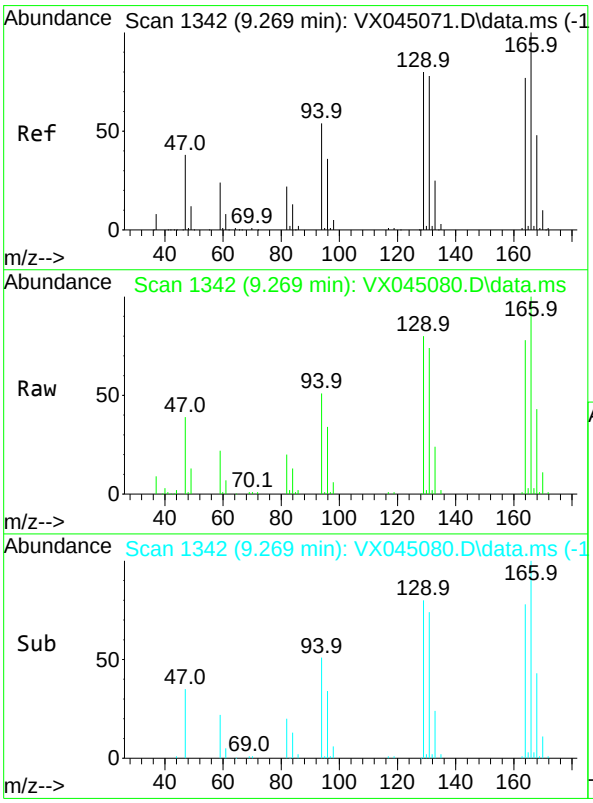
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:117 Resp: 169474

Ion	Ratio	Lower	Upper
117	100		
82	60.4	46.3	69.5
119	30.9	25.7	38.5

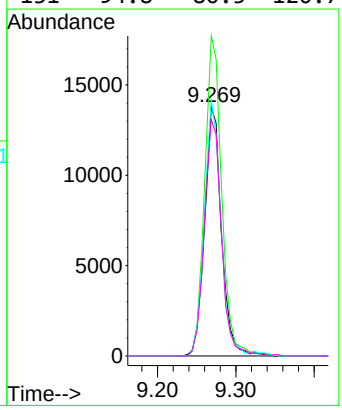


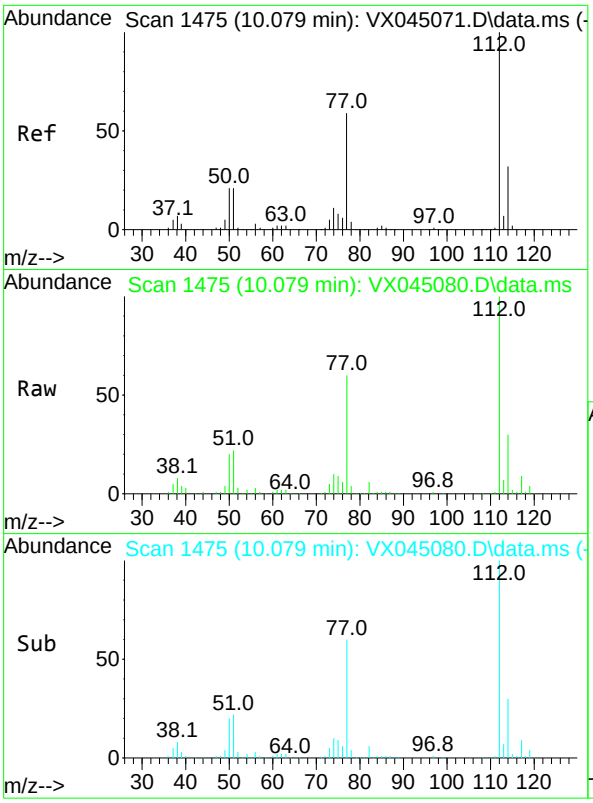


#64
Tetrachloroethene
Concen: 19.012 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:164 Resp: 20636

Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.6	155.4
129	102.7	82.7	124.1
131	94.8	80.5	120.7



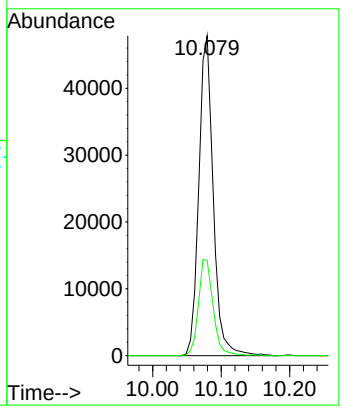


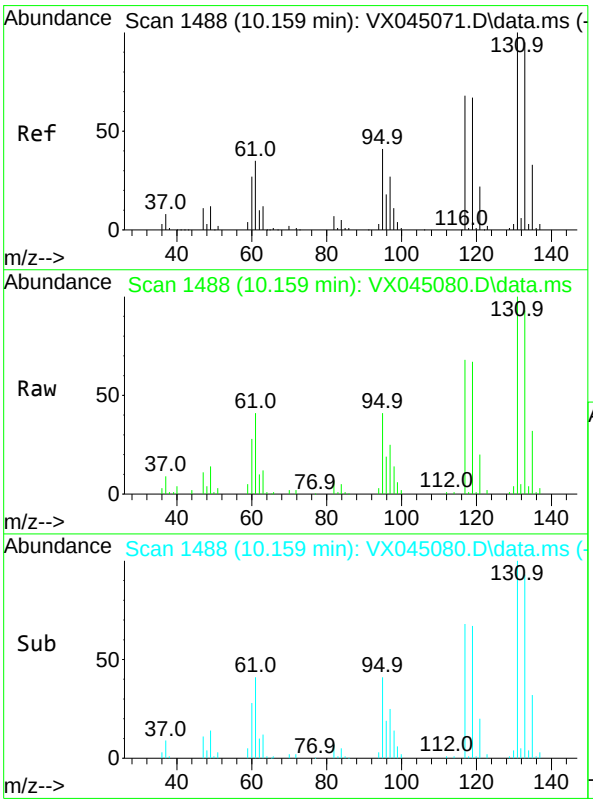
#65
Chlorobenzene
Concen: 19.571 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:112 Resp: 70182

Ion	Ratio	Lower	Upper
112	100		
114	29.7	26.0	39.0

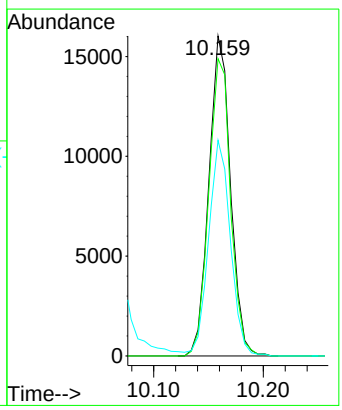


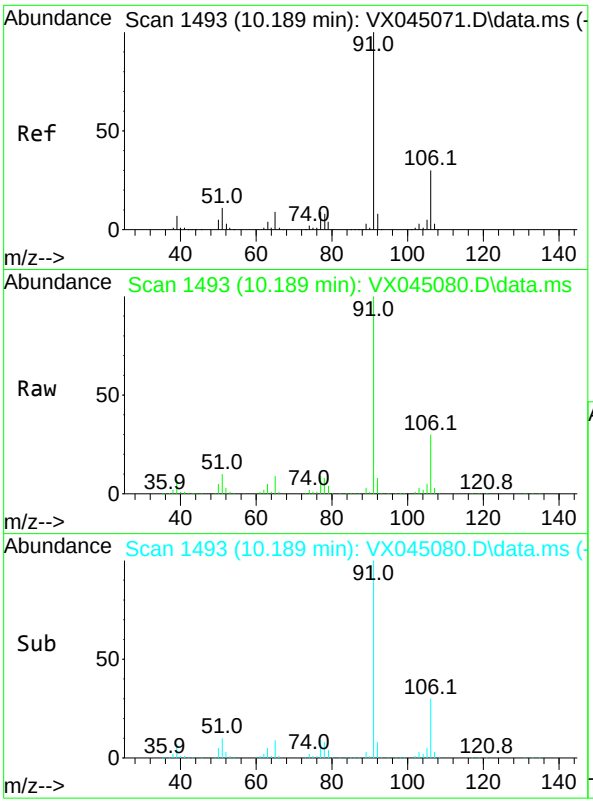


#66
1,1,1,2-Tetrachloroethane
Concen: 18.381 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:131 Resp: 21951

Ion	Ratio	Lower	Upper
131	100		
133	93.9	48.6	145.9
119	67.9	33.9	101.7



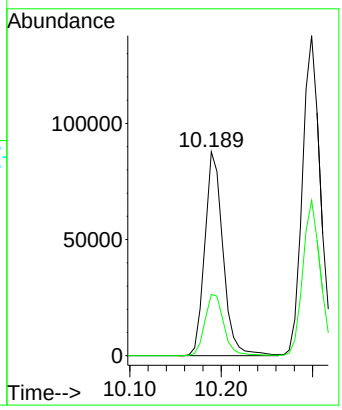


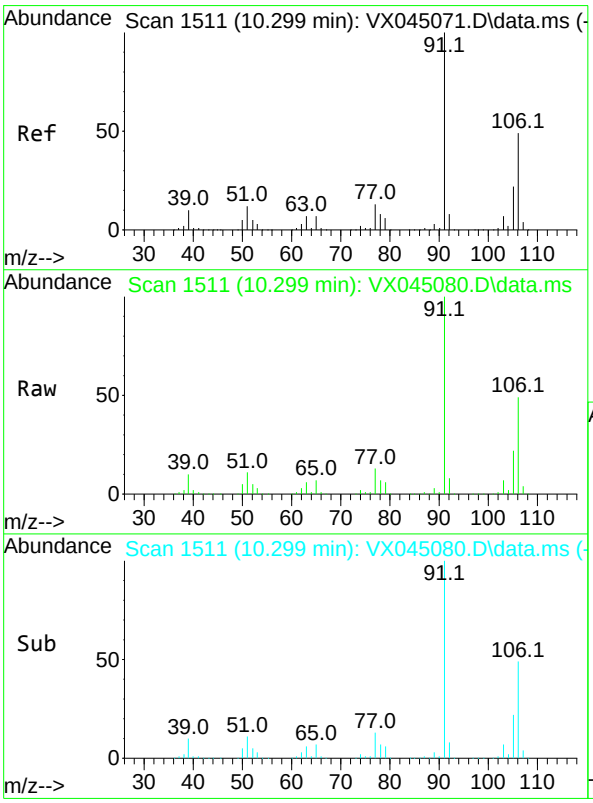
#67
Ethyl Benzene
Concen: 19.418 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 91 Resp: 121335

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

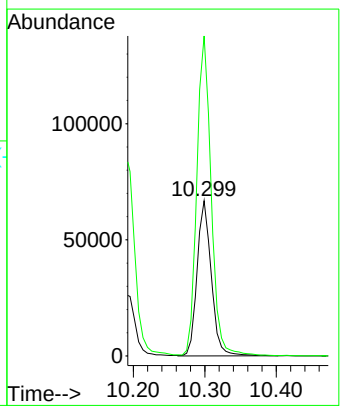


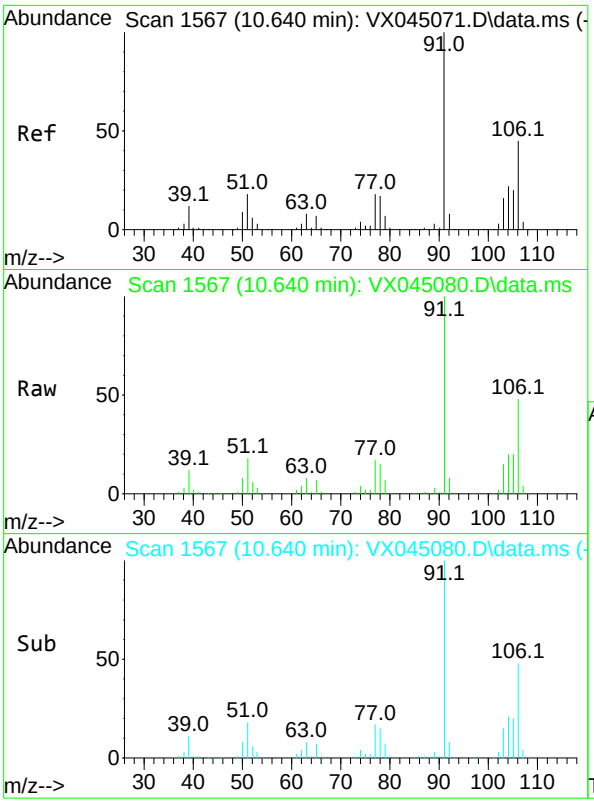


#68
m/p-Xylenes
Concen: 40.136 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:106 Resp: 91808

Ion	Ratio	Lower	Upper
106	100		
91	208.5	165.4	248.0



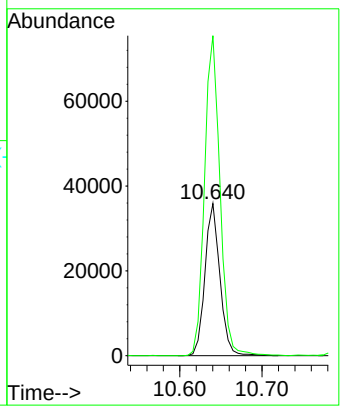


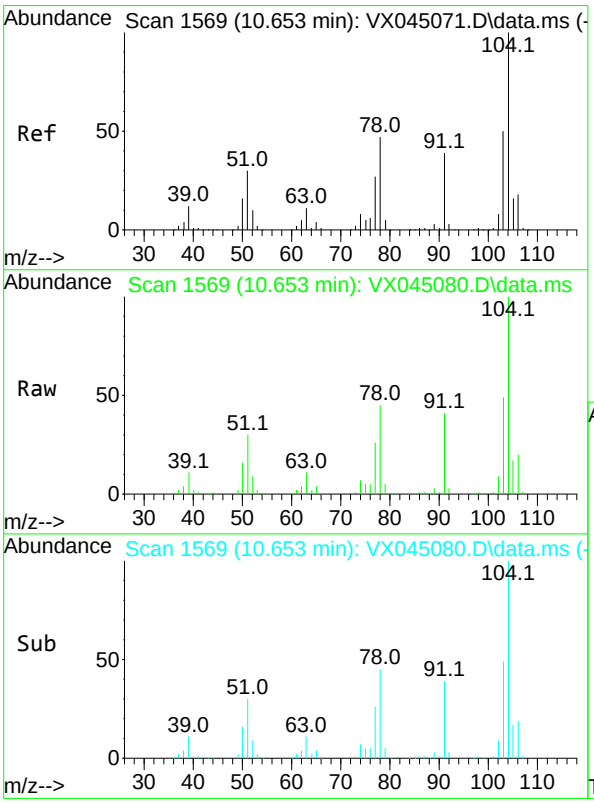
#69
o-Xylene
Concen: 19.659 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:106 Resp: 45354

Ion	Ratio	Lower	Upper
106	100		
91	217.3	109.9	329.6

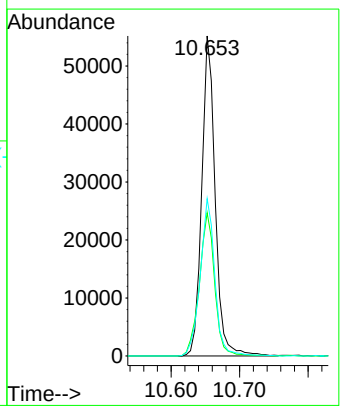


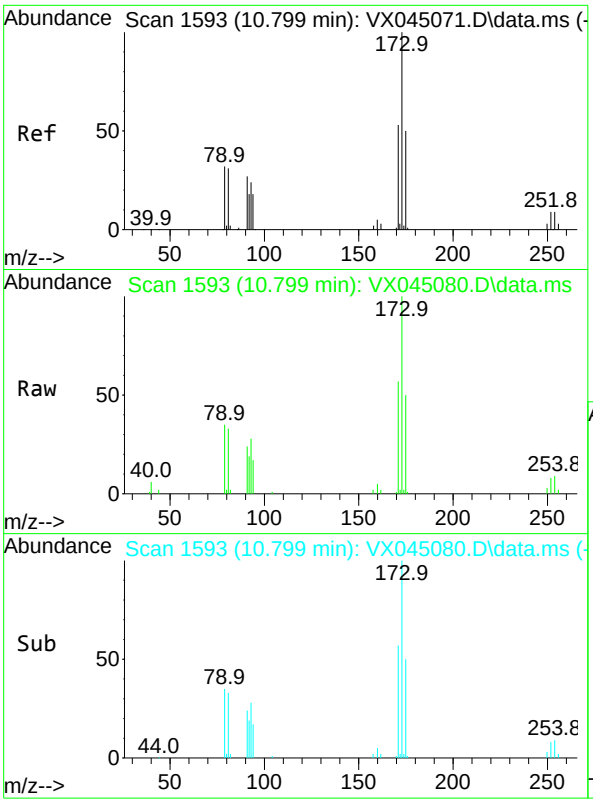


#70
Styrene
Concen: 20.230 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:104 Resp: 75515

Ion	Ratio	Lower	Upper
104	100		
78	50.7	42.2	63.4
103	53.7	43.8	65.8



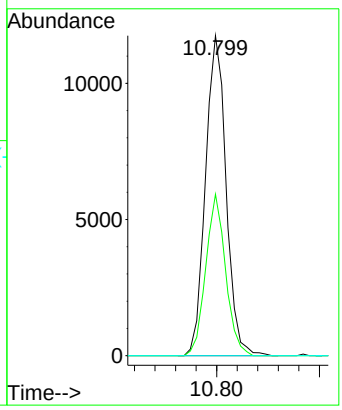


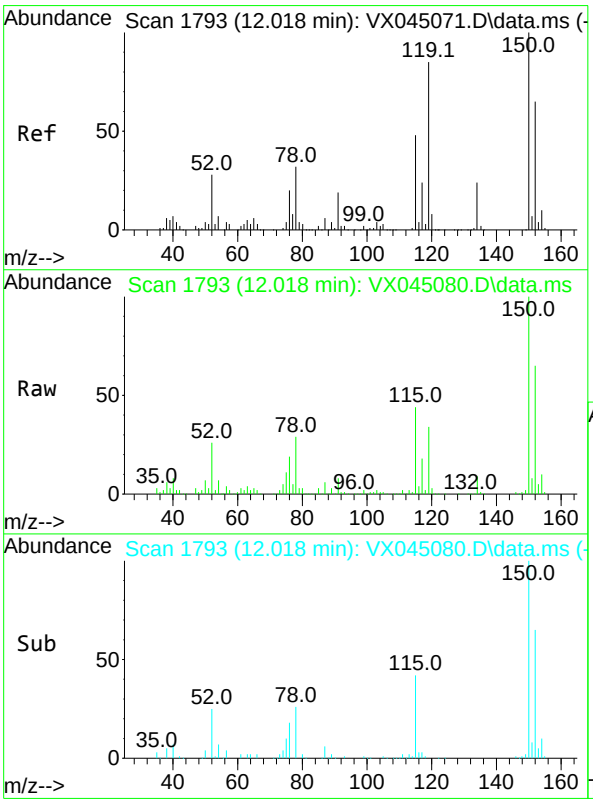
#71
Bromoform
Concen: 18.196 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:173 Resp: 16386

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.6
254	0.0	0.0	0.0

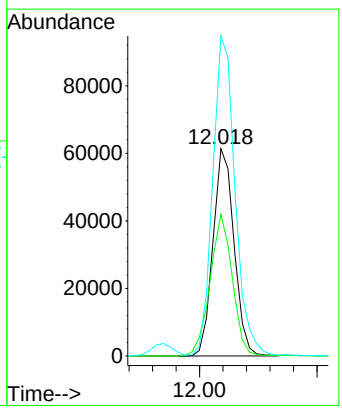


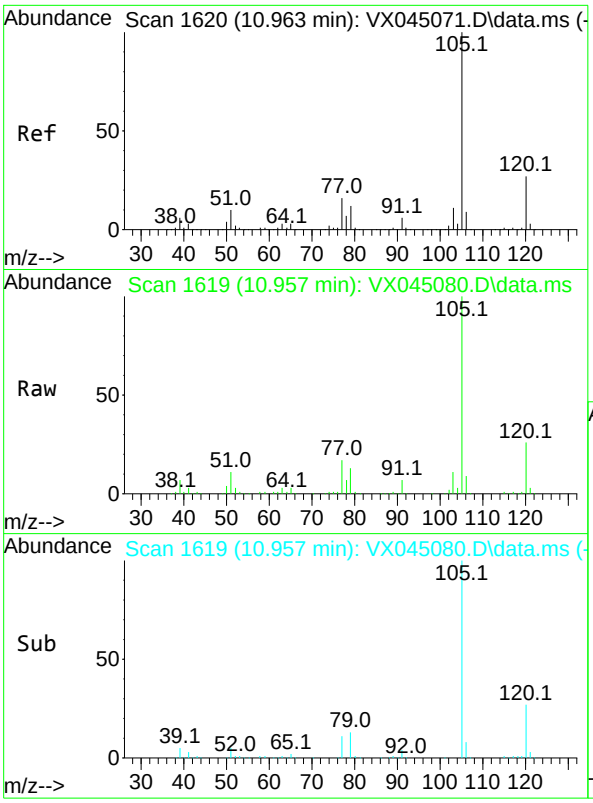


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:152 Resp: 76472

Ion	Ratio	Lower	Upper
152	100		
115	71.9	44.2	132.6
150	163.9	0.0	349.0



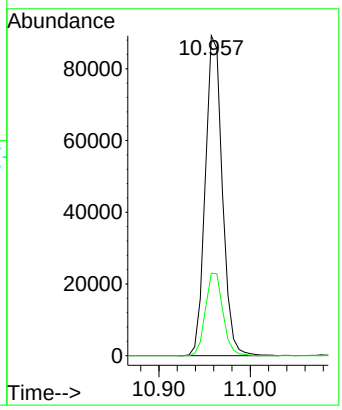


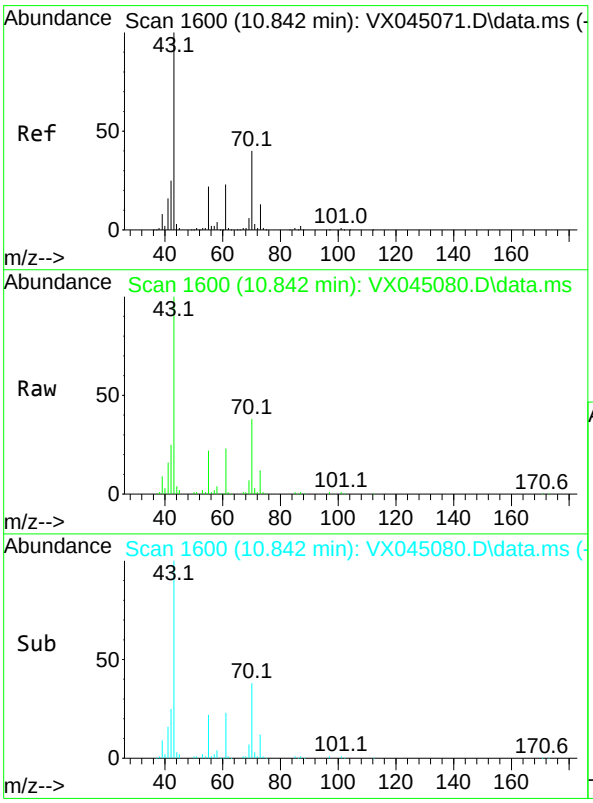
#73
Isopropylbenzene
Concen: 19.389 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:105 Resp: 115731

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5

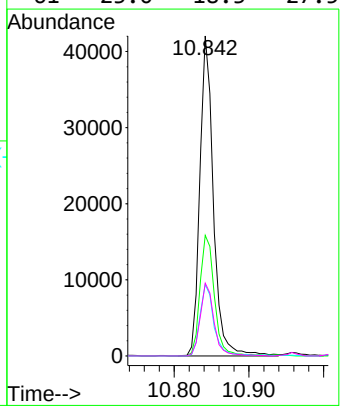


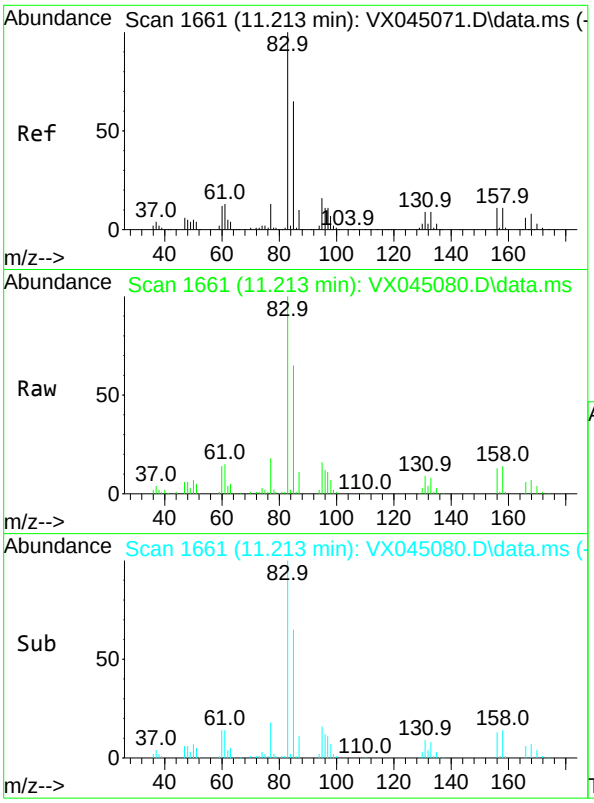


#74
N-amyl acetate
Concen: 18.981 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 53161

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.0	18.3	27.5
61	23.0	18.3	27.5



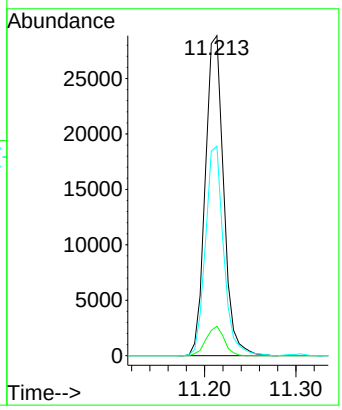


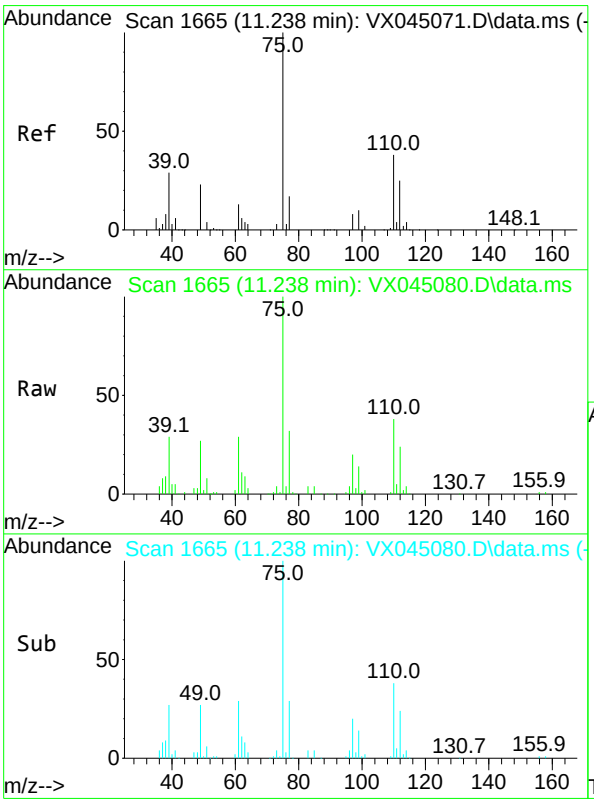
#75
1,1,2,2-Tetrachloroethane
Concen: 18.311 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 83 Resp: 40107

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	64.9	31.7	95.1

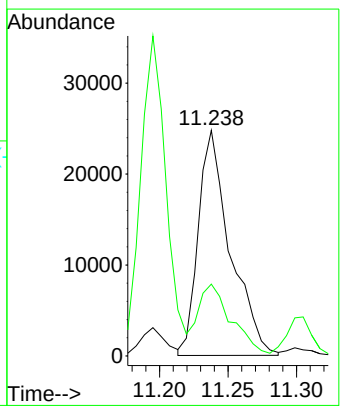


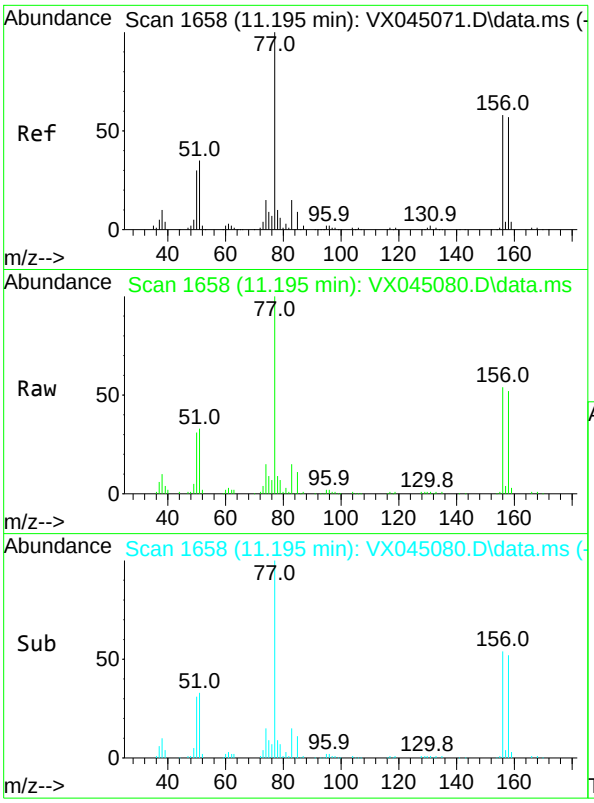


#76
1,2,3-Trichloropropane
Concen: 22.610 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 40243

Ion	Ratio	Lower	Upper
75	100		
77	33.6	20.7	62.1



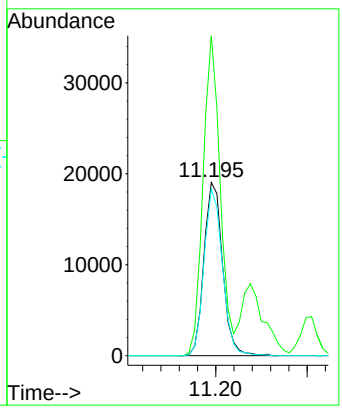


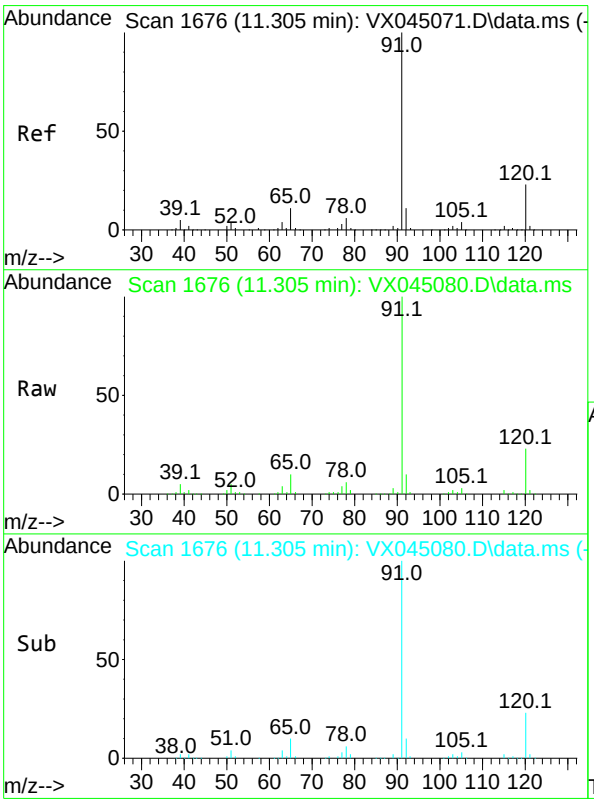
#77
Bromobenzene
Concen: 19.058 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:156 Resp: 26840

Ion	Ratio	Lower	Upper
156	100		
77	170.0	85.8	257.4
158	95.1	48.4	145.2

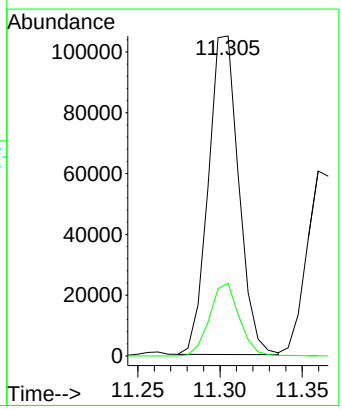


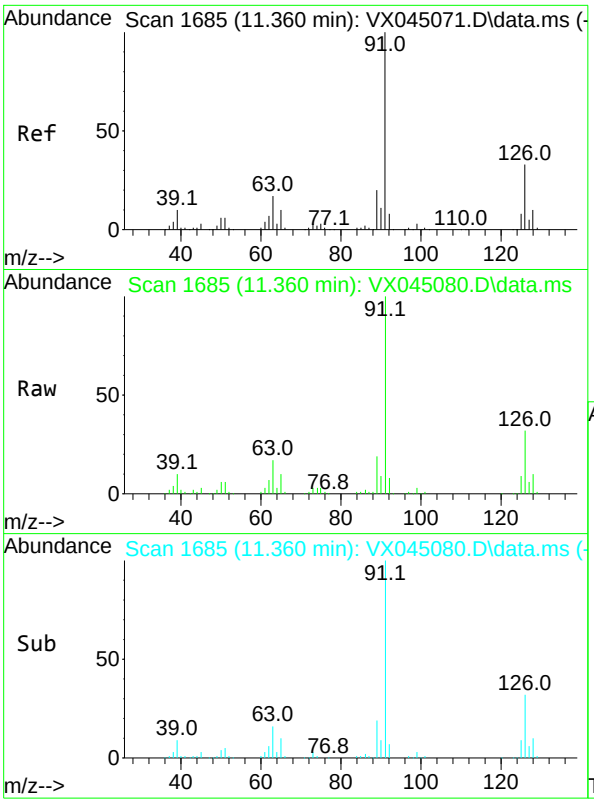


#78
n-propylbenzene
Concen: 20.023 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 91 Resp: 135011

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6



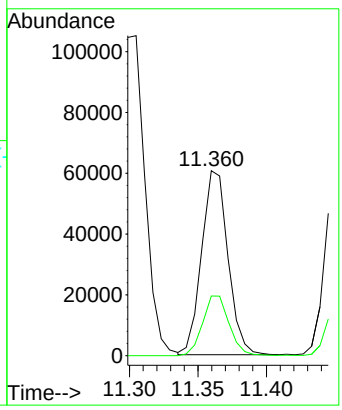


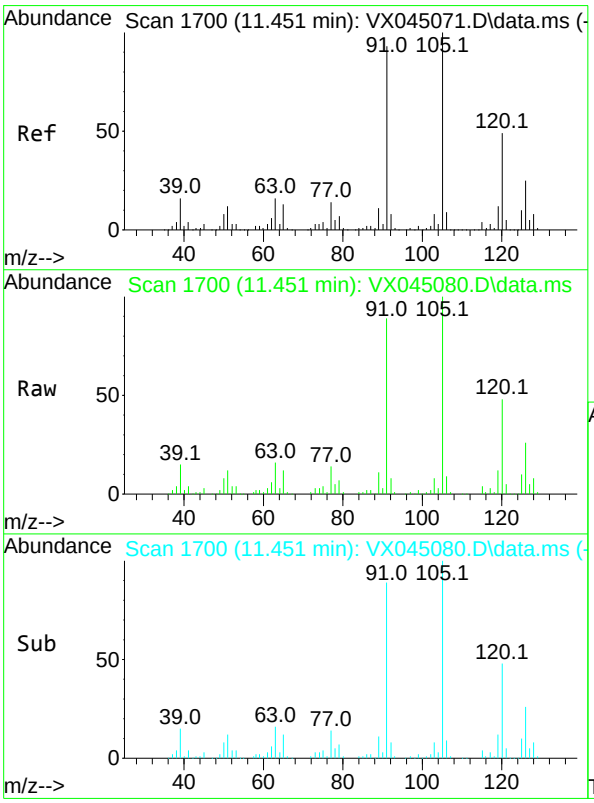
#79
2-Chlorotoluene
Concen: 18.869 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 91 Resp: 81025

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

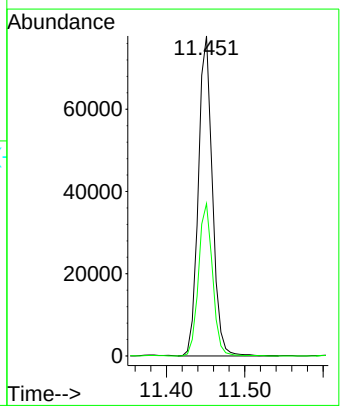


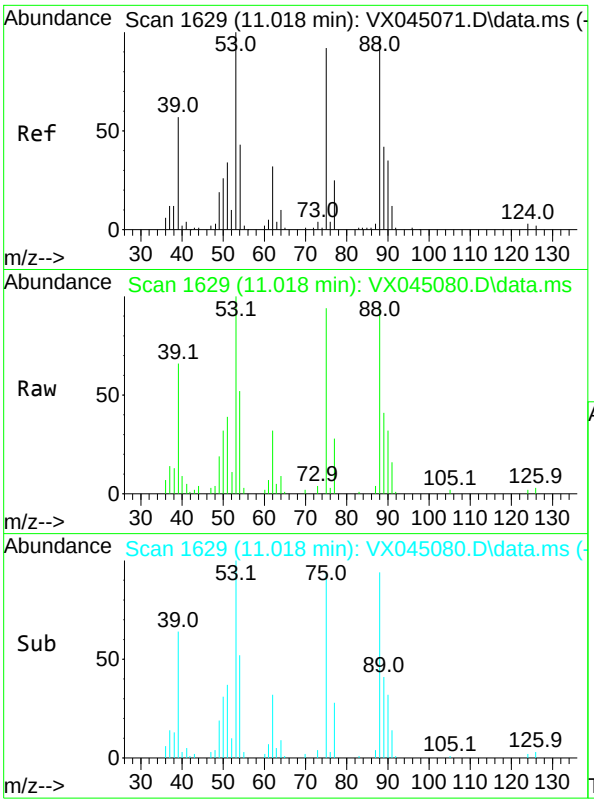


#80
1,3,5-Trimethylbenzene
Concen: 20.095 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:105 Resp: 96986

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.1	72.2



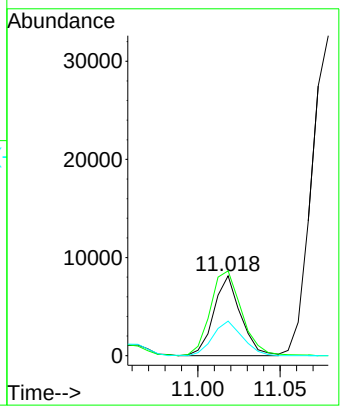


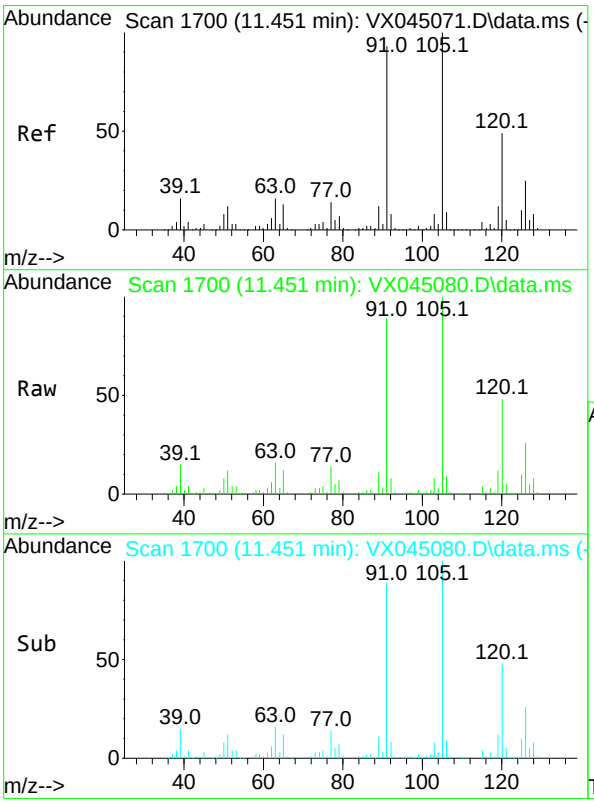
#81
trans-1,4-Dichloro-2-butene
Concen: 17.808 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 75 Resp: 9262

Ion	Ratio	Lower	Upper
75	100		
53	124.2	88.5	132.7
89	47.6	36.2	54.4

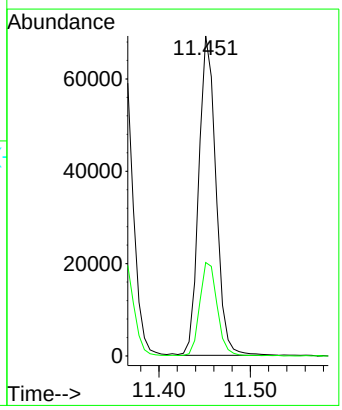


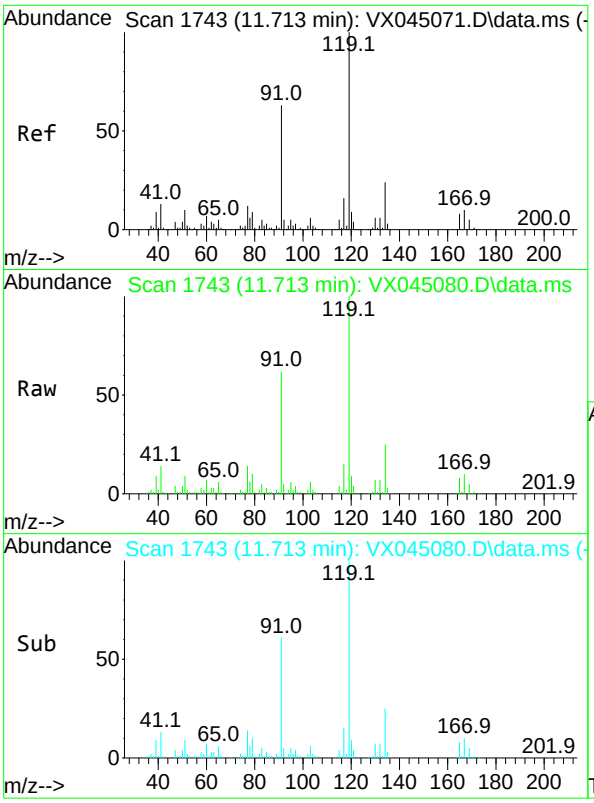


#82
4-Chlorotoluene
Concen: 19.254 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 91 Resp: 90109

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.1	42.4



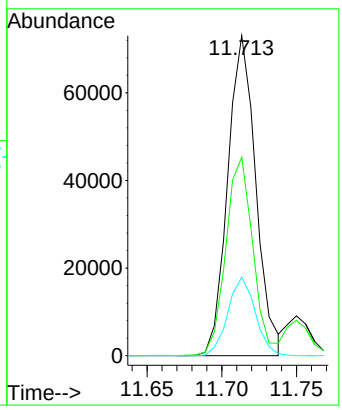


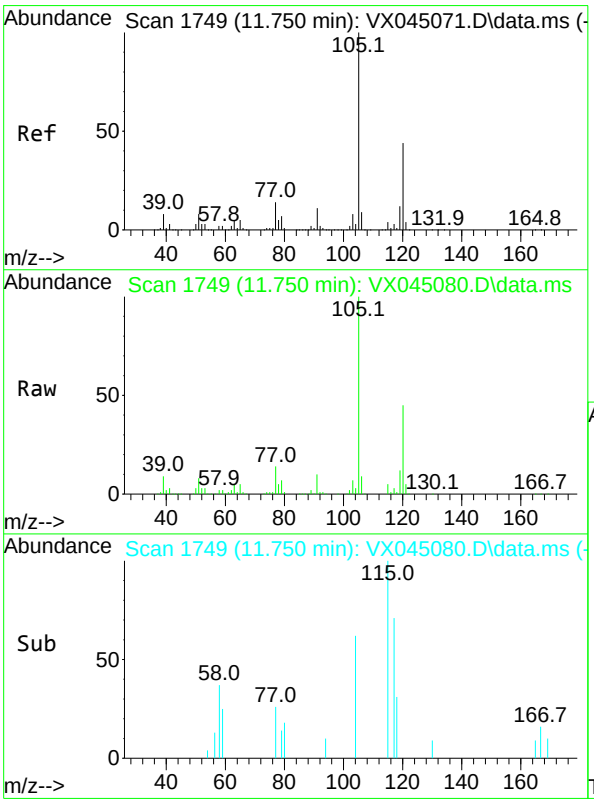
#83
tert-Butylbenzene
Concen: 19.251 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:119 Resp: 95461

Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.7	92.1
134	24.0	11.7	35.0

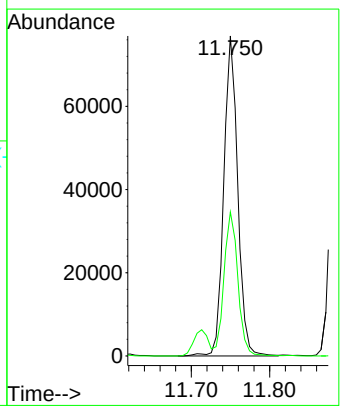


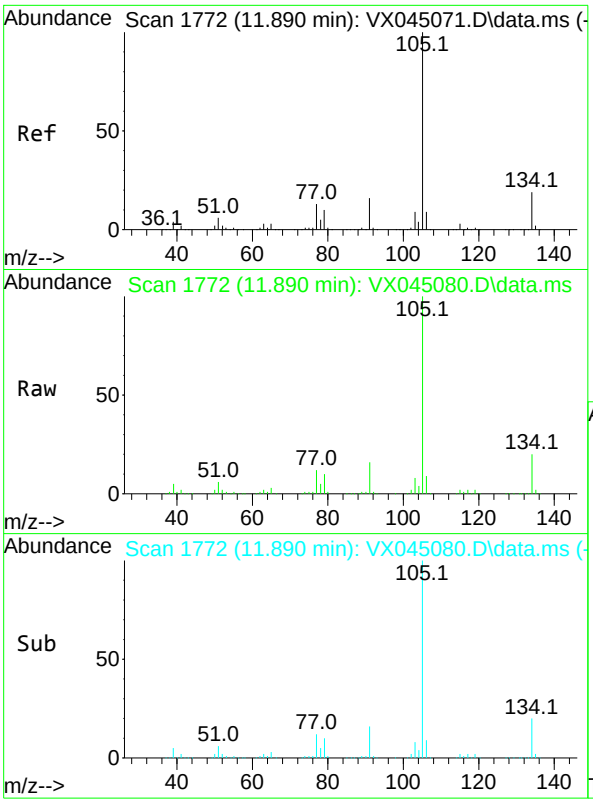


#84
1,2,4-Trimethylbenzene
Concen: 19.618 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:105 Resp: 95268

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.1



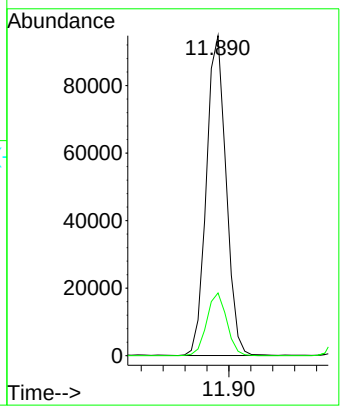


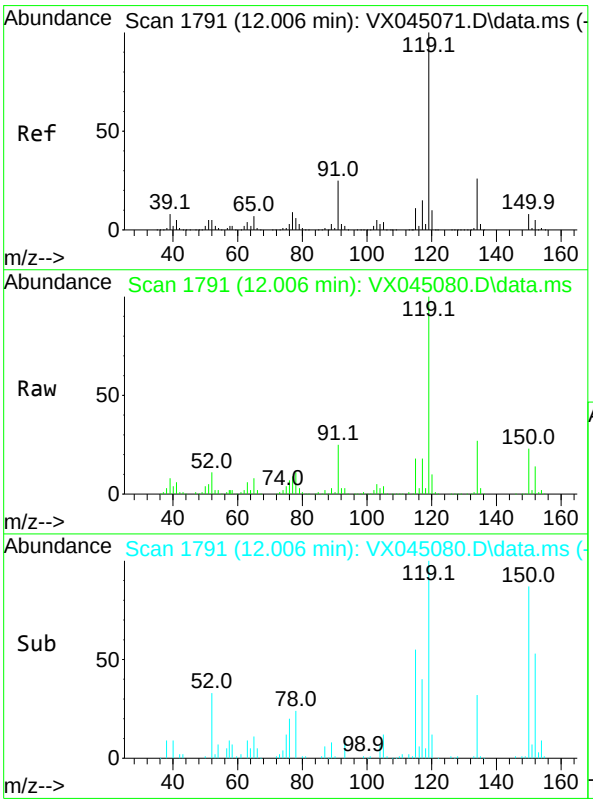
#85
sec-Butylbenzene
Concen: 19.930 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:105 Resp: 118388

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4

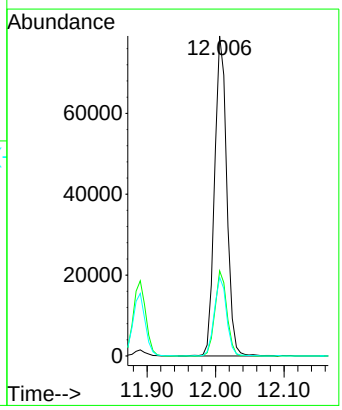


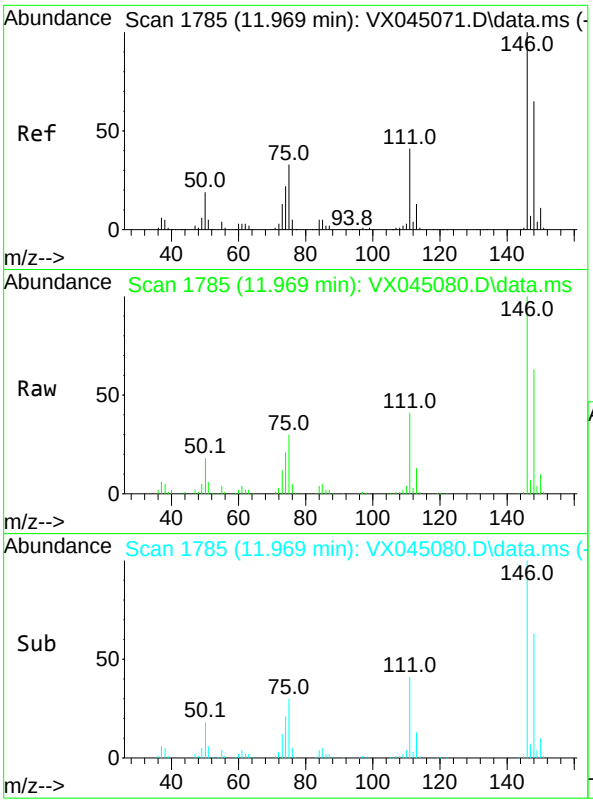


#86
p-Isopropyltoluene
Concen: 20.363 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:119 Resp: 97752

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.0	12.7	38.0



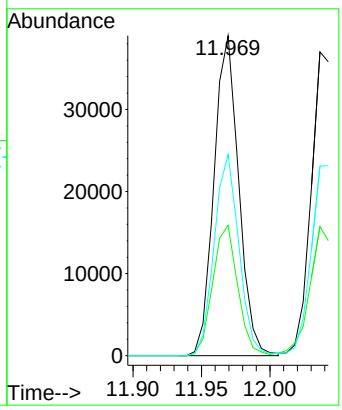


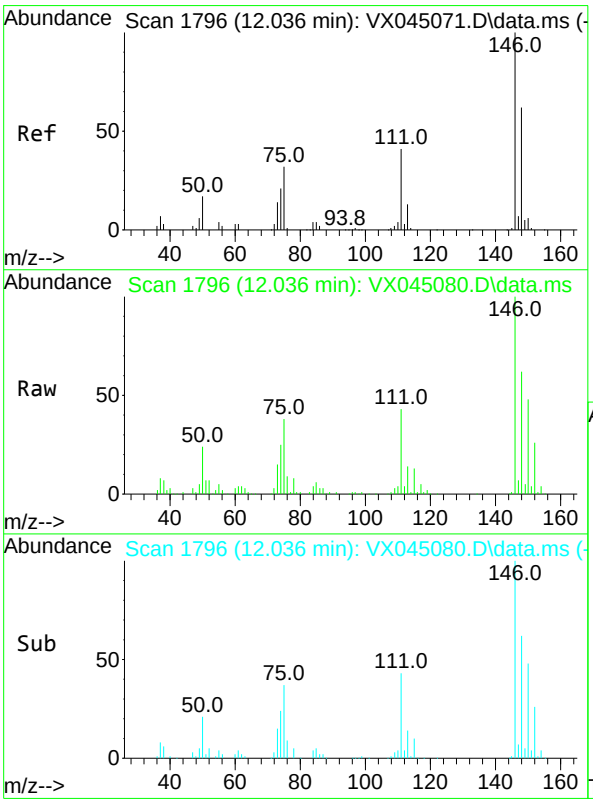
#87
1,3-Dichlorobenzene
Concen: 19.459 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:146 Resp: 48888

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.4
148	63.0	31.9	95.7

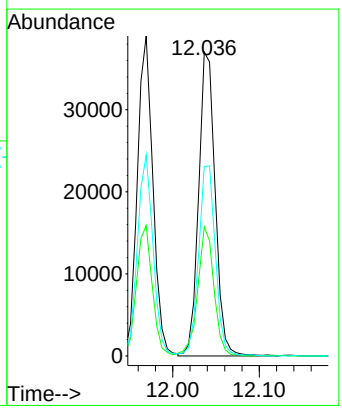


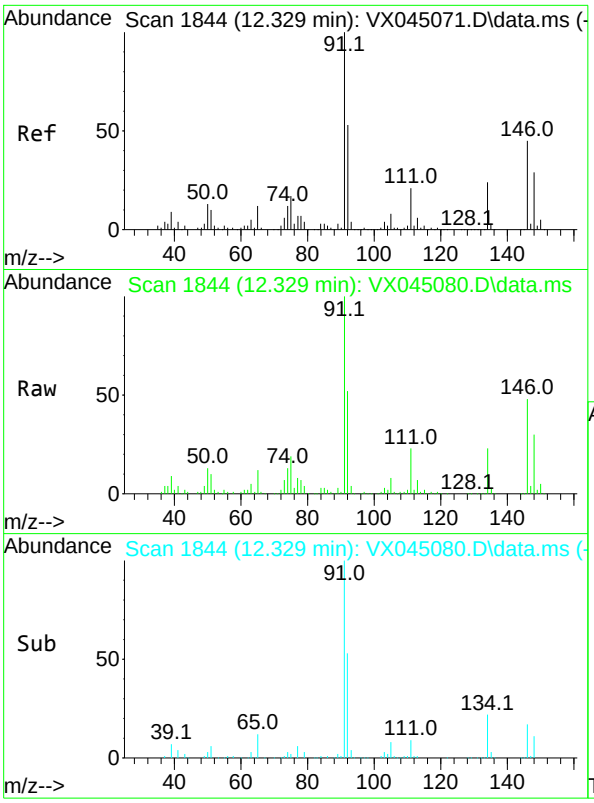


#88
1,4-Dichlorobenzene
Concen: 19.373 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:146 Resp: 49240

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.2	60.5
148	63.9	31.9	95.9



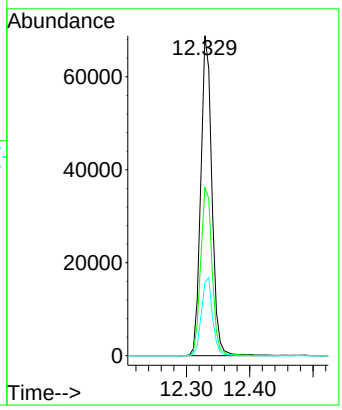


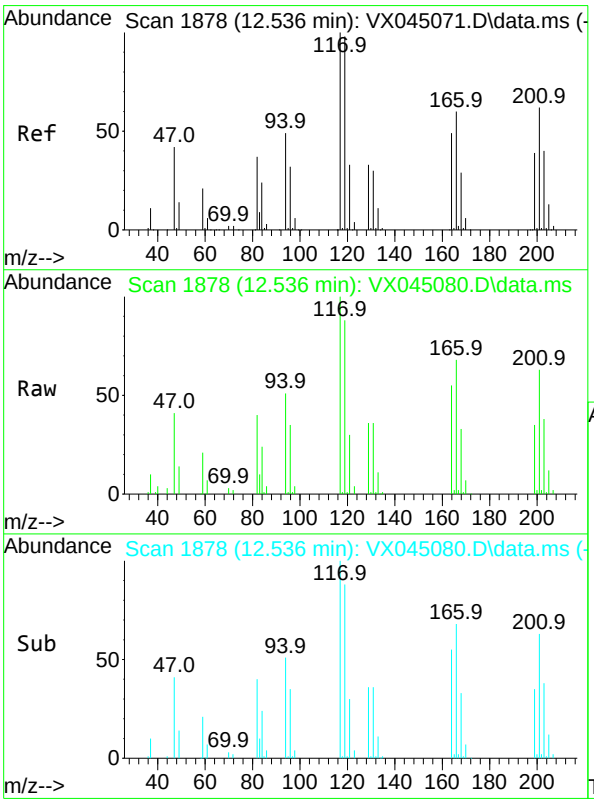
#89
n-Butylbenzene
Concen: 20.441 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 91 Resp: 84515

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.7	80.0
134	24.4	12.2	36.6

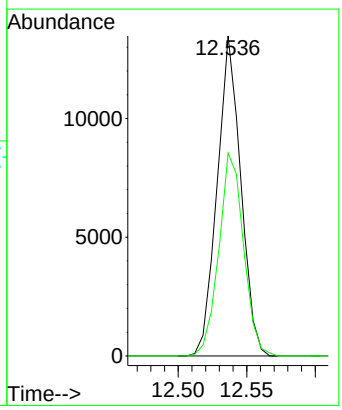


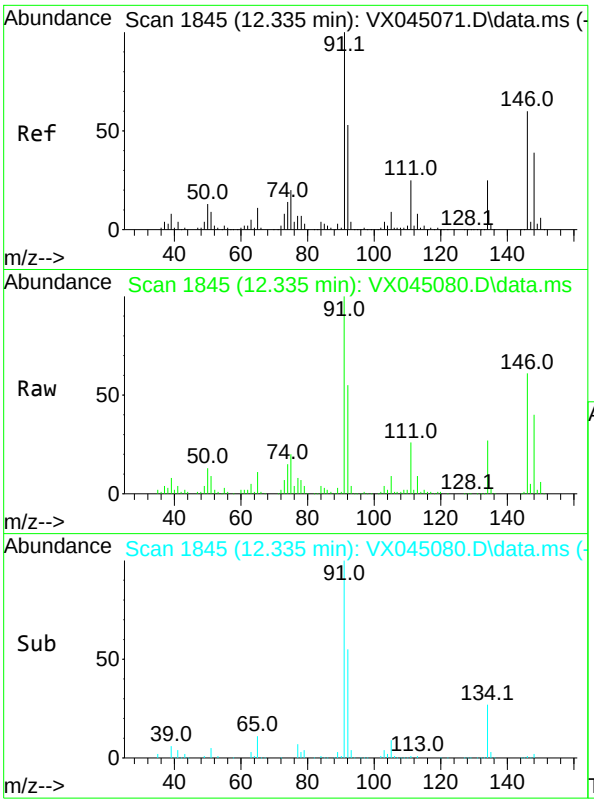


#90
Hexachloroethane
Concen: 18.549 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:117 Resp: 16106

Ion	Ratio	Lower	Upper
117	100		
201	66.5	31.9	95.9



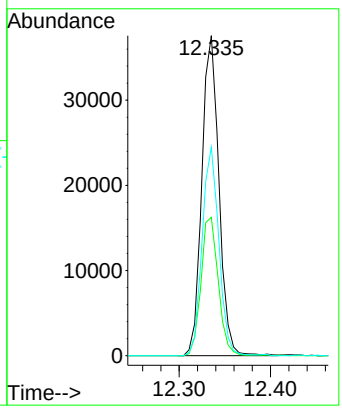


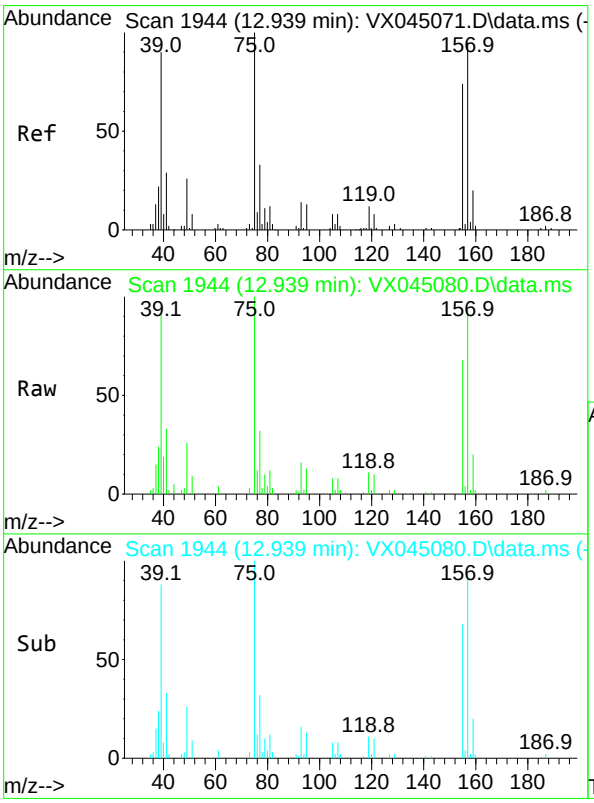
#91
1,2-Dichlorobenzene
Concen: 19.400 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:146 Resp: 48893

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	63.7	31.9	95.9

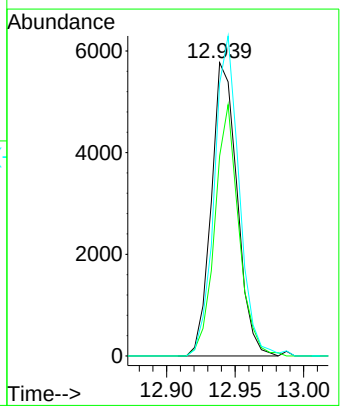


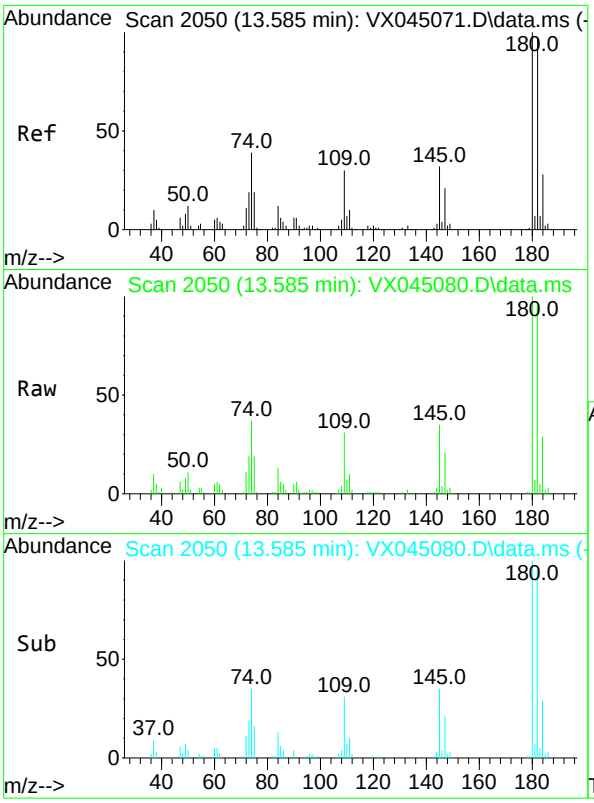


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.719 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 7561

Ion	Ratio	Lower	Upper
75	100		
155	79.3	39.6	118.7
157	105.1	51.1	153.4



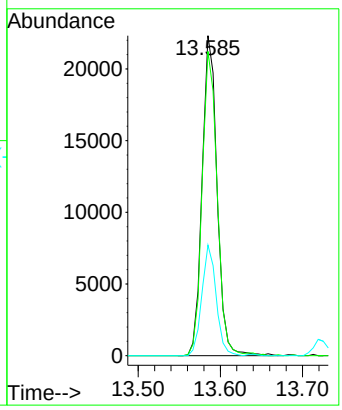


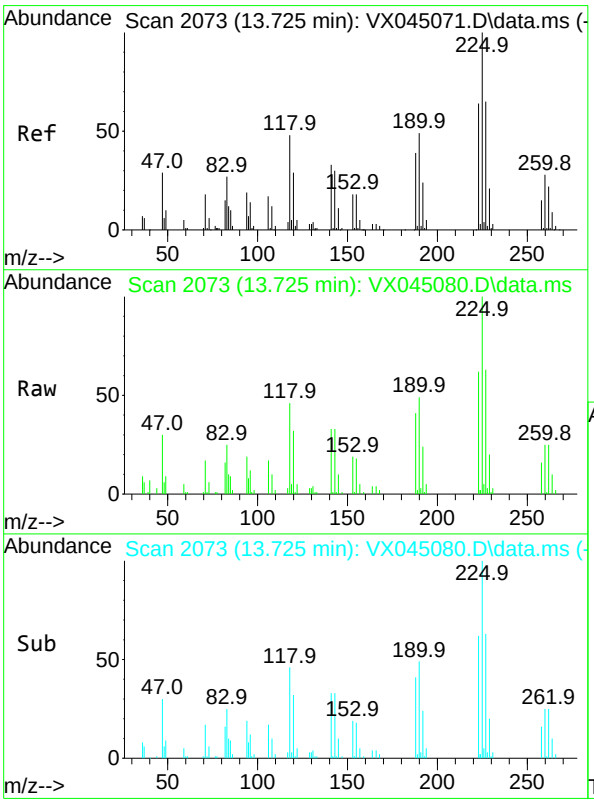
#93
1,2,4-Trichlorobenzene
Concen: 19.684 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:180 Resp: 28247

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	33.1	16.3	48.9

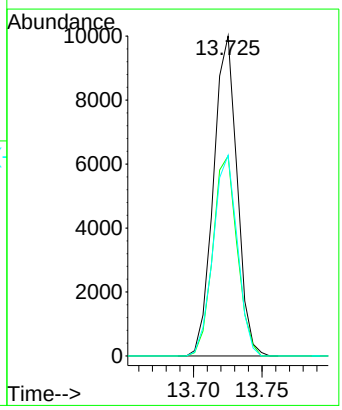


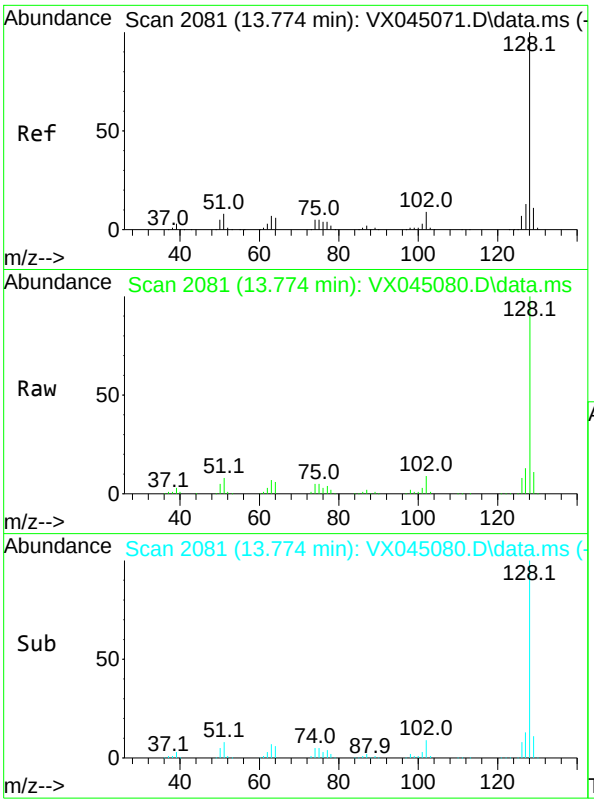


#94
Hexachlorobutadiene
Concen: 20.362 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:225 Resp: 11980

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.9	95.7
227	64.4	31.4	94.0



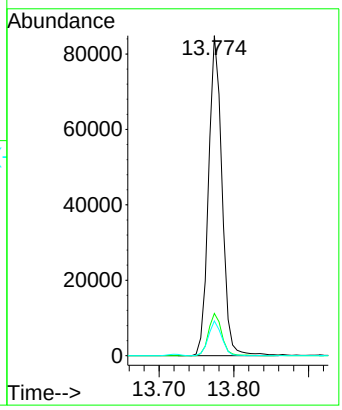


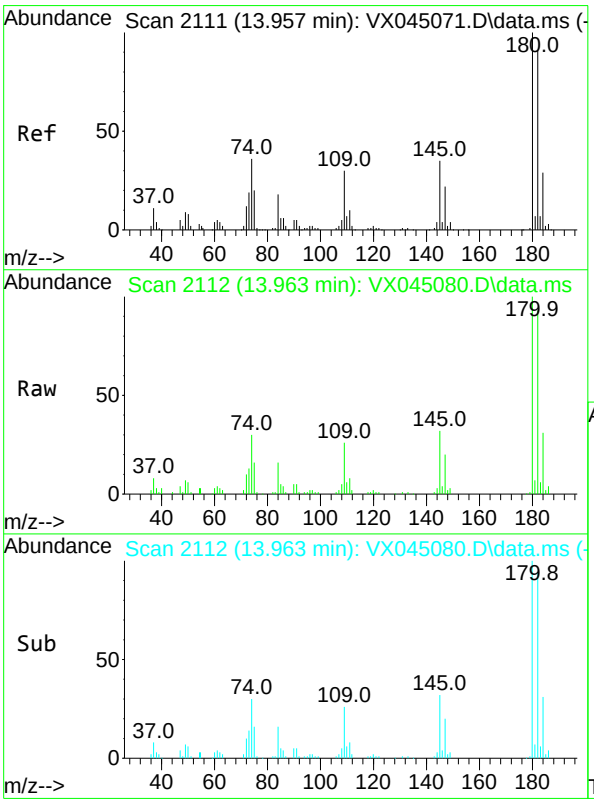
#95
Naphthalene
Concen: 19.237 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:128 Resp: 106065

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.7	8.7	13.1

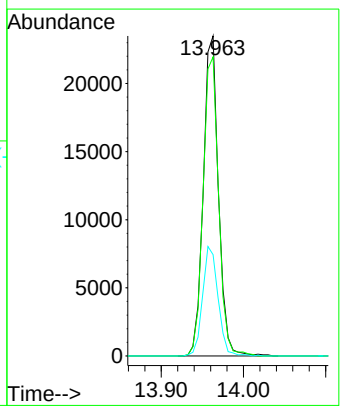




#96
1,2,3-Trichlorobenzene
Concen: 19.855 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:180 Resp: 30059

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	34.9	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	101733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79368	49.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.100%			
35) Dibromofluoromethane	5.379	113	61111	50.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.980%			
50) Toluene-d8	8.647	98	219202	49.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.900%			
62) 4-Bromofluorobenzene	11.079	95	71007	48.831	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	61893	48.332	ug/l	96
3) Chloromethane	1.307	50	70827	45.195	ug/l	96
4) Vinyl Chloride	1.374	62	74859	48.152	ug/l	96
5) Bromomethane	1.593	94	26503	43.366	ug/l	99
6) Chloroethane	1.660	64	31071	43.329	ug/l	96
7) Trichlorofluoromethane	1.861	101	100933	49.043	ug/l	98
8) Diethyl Ether	2.136	74	38500	47.827	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61197	51.757	ug/l	100
10) Methyl Iodide	2.441	142	77481	52.436	ug/l	97
11) Tert butyl alcohol	3.001	59	58663	191.387	ug/l	99
12) 1,1-Dichloroethene	2.306	96	61068	48.851	ug/l	96
13) Acrolein	2.239	56	92932	262.281	ug/l	100
14) Allyl chloride	2.654	41	112846	50.713	ug/l	99
15) Acrylonitrile	3.068	53	194959	237.322	ug/l	99
16) Acetone	2.392	43	167728	223.399	ug/l	99
17) Carbon Disulfide	2.495	76	159949	48.039	ug/l	98
18) Methyl Acetate	2.709	43	86076	47.656	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	208116	49.622	ug/l	99
20) Methylene Chloride	2.782	84	70283	47.257	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	63435	51.365	ug/l	96
22) Diisopropyl ether	3.763	45	230741	50.987	ug/l	96
23) Vinyl Acetate	3.721	43	981372	259.857	ug/l	99
24) 1,1-Dichloroethane	3.605	63	125852	49.621	ug/l	99
25) 2-Butanone	4.562	43	272874	241.451	ug/l	100
26) 2,2-Dichloropropane	4.465	77	74982	63.029	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	76889	50.434	ug/l	98
28) Bromochloromethane	4.891	49	60168	49.771	ug/l	99
29) Tetrahydrofuran	5.007	42	180661	238.042	ug/l	100
30) Chloroform	5.086	83	123972	49.194	ug/l	96
31) Cyclohexane	5.464	56	113565	51.583	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	103034	50.622	ug/l	99
36) 1,1-Dichloropropene	5.684	75	84609	50.969	ug/l	99
37) Ethyl Acetate	4.721	43	103765	48.511	ug/l	99
38) Carbon Tetrachloride	5.672	117	85957	51.004	ug/l	96
39) Methylcyclohexane	7.373	83	110750	55.680	ug/l	99
40) Benzene	6.031	78	266243	50.791	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	58866	50.896	ug/l		99
42) 1,2-Dichloroethane	6.086	62	94209	49.909	ug/l		100
43) Isopropyl Acetate	6.342	43	161644	51.105	ug/l		100
44) Trichloroethene	7.123	130	62206	50.539	ug/l		96
45) 1,2-Dichloropropane	7.427	63	67418	50.023	ug/l		98
46) Dibromomethane	7.580	93	48257	50.658	ug/l		100
47) Bromodichloromethane	7.818	83	93700	50.147	ug/l		99
48) Methyl methacrylate	7.690	41	79010	49.791	ug/l		99
49) 1,4-Dioxane	7.665	88	31583	943.544	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	527009	248.148	ug/l		100
52) Toluene	8.714	92	159122	51.738	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	83188	53.255	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	97016	53.261	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	61955	48.933	ug/l		98
56) Ethyl methacrylate	9.116	69	97958	50.898	ug/l		99
57) 1,3-Dichloropropane	9.305	76	107915	49.251	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	251496	267.883	ug/l		99
59) 2-Hexanone	9.433	43	389623	253.206	ug/l		100
60) Dibromochloromethane	9.519	129	65842	49.736	ug/l		99
61) 1,2-Dibromoethane	9.610	107	62692	49.600	ug/l		97
64) Tetrachloroethene	9.269	164	50788	52.227	ug/l		96
65) Chlorobenzene	10.079	112	164623	51.239	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53906	50.382	ug/l		99
67) Ethyl Benzene	10.189	91	294898	52.678	ug/l		99
68) m/p-Xylenes	10.299	106	217787	106.271	ug/l		100
69) o-Xylene	10.640	106	105354	50.972	ug/l		100
70) Styrene	10.652	104	177099	52.954	ug/l		100
71) Bromoform	10.799	173	41684	51.664	ug/l	#	98
73) Isopropylbenzene	10.957	105	274956	51.833	ug/l		100
74) N-amyl acetate	10.841	43	132916	53.399	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	96646	49.649	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	97322	61.525	ug/l		86
77) Bromobenzene	11.195	156	62546	49.973	ug/l		100
78) n-propylbenzene	11.299	91	316831	52.873	ug/l		100
79) 2-Chlorotoluene	11.360	91	189914	49.764	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	221858	51.725	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	22598	48.890	ug/l		95
82) 4-Chlorotoluene	11.451	91	213820	51.409	ug/l		100
83) tert-Butylbenzene	11.713	119	222604	50.511	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	226285	52.432	ug/l		100
85) sec-Butylbenzene	11.890	105	280591	53.152	ug/l		99
86) p-Isopropyltoluene	12.006	119	227625	53.355	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	113992	51.054	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	112871	49.967	ug/l		99
89) n-Butylbenzene	12.329	91	202412	55.087	ug/l		99
90) Hexachloroethane	12.536	117	39104	50.675	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	114225	50.999	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19590	51.657	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	69773	54.709	ug/l		99
94) Hexachlorobutadiene	13.725	225	27166	51.956	ug/l		99
95) Naphthalene	13.774	128	267416	54.575	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	72423	53.829	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

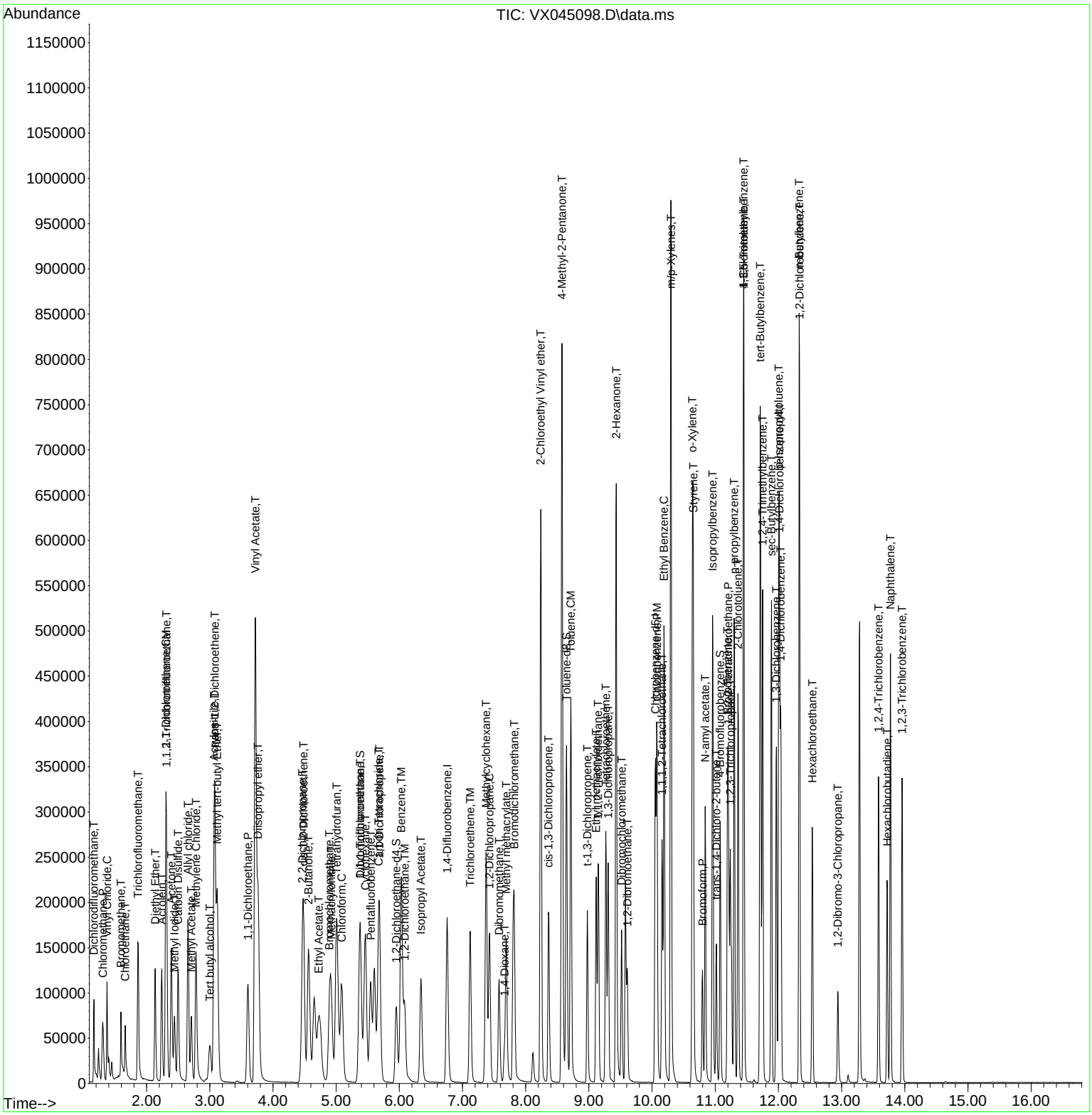
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

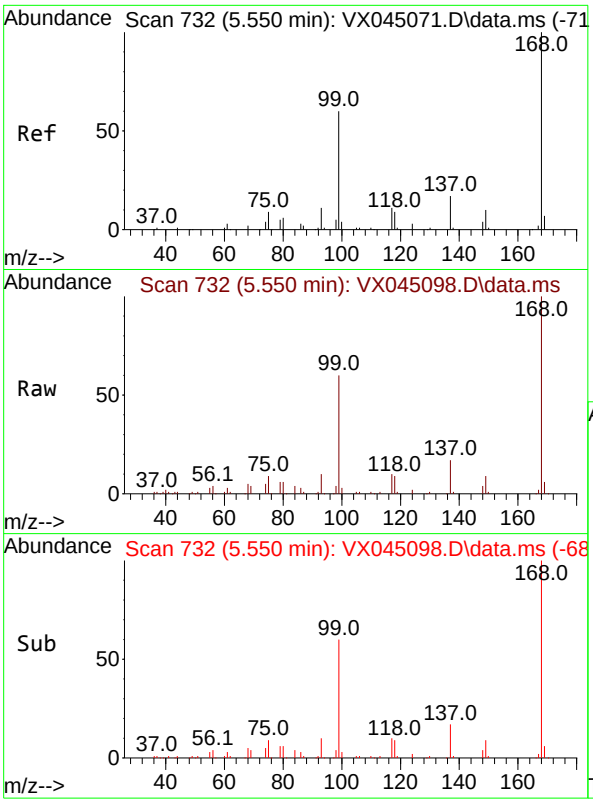
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 28 23:12:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



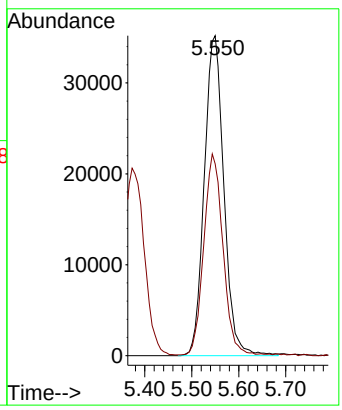


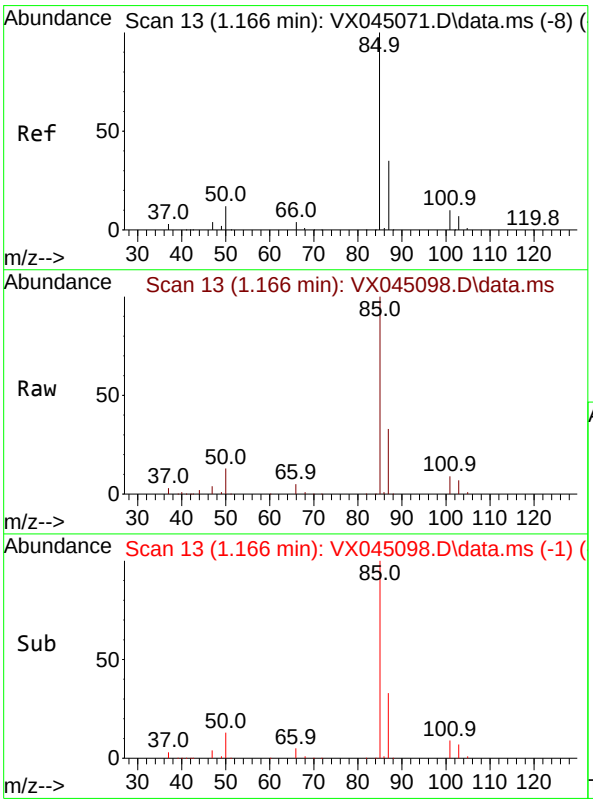
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 101733

Ion	Ratio	Lower	Upper
168	100		
99	59.7	48.2	72.4

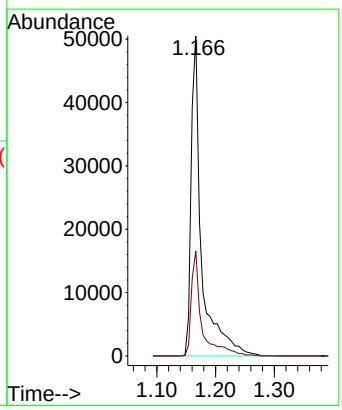


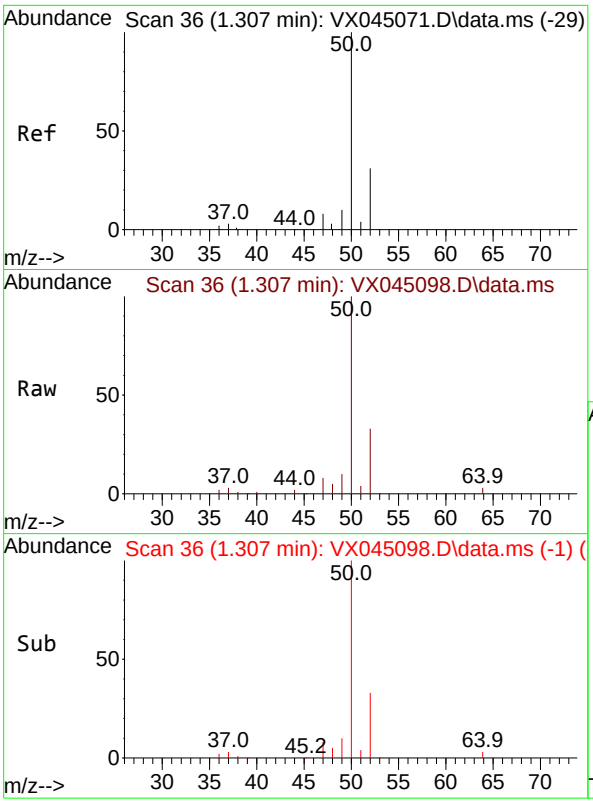


#2
Dichlorodifluoromethane
Concen: 48.332 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 85 Resp: 61893

Ion	Ratio	Lower	Upper
85	100		
87	32.9	17.4	52.3



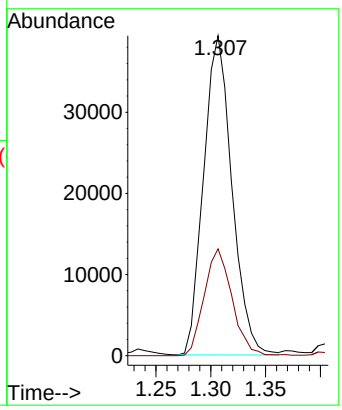


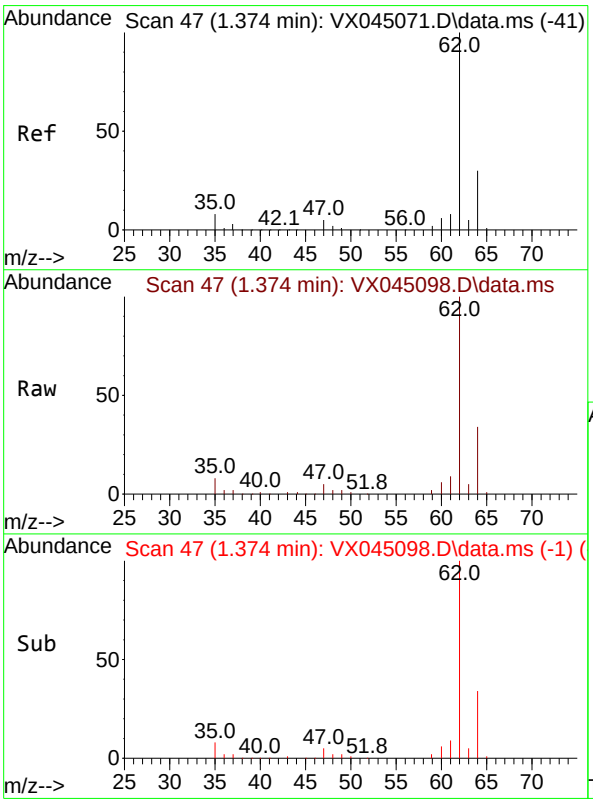
#3
Chloromethane
Concen: 45.195 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 70827

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.0	37.4

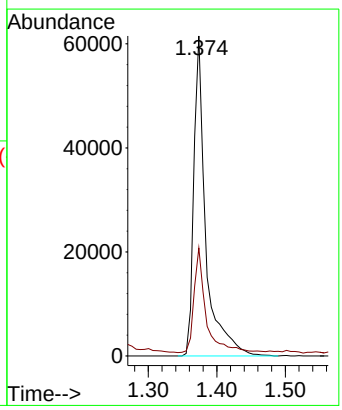


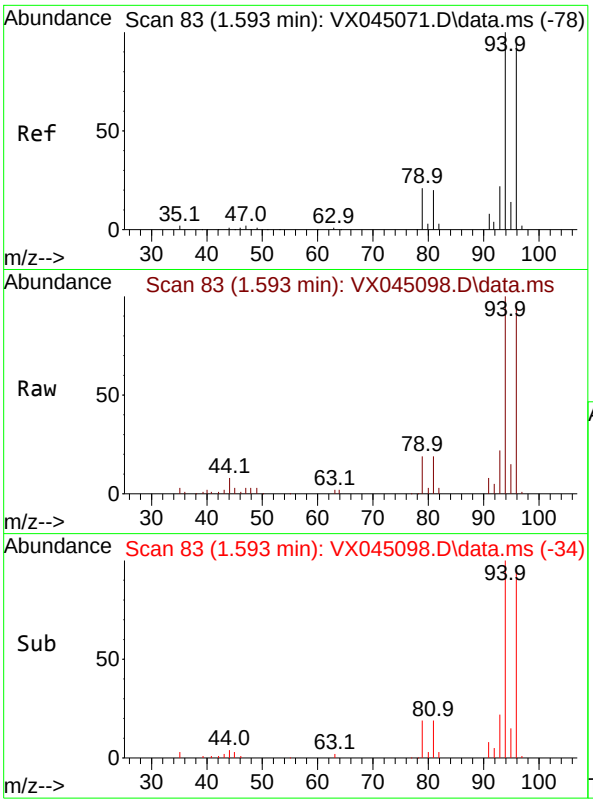


#4
Vinyl Chloride
Concen: 48.152 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 62 Resp: 74859

Ion	Ratio	Lower	Upper
62	100		
64	32.7	24.3	36.5



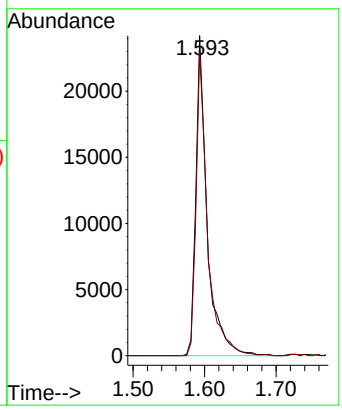


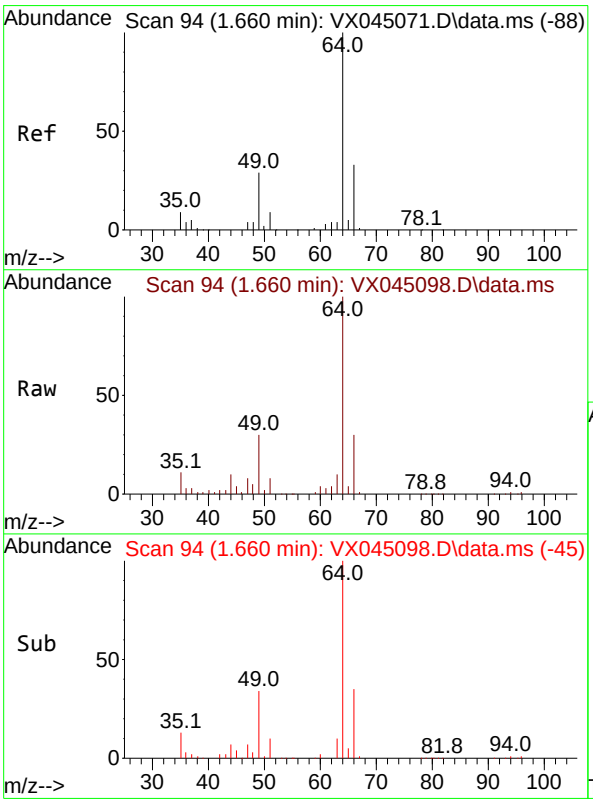
#5
Bromomethane
Concen: 43.366 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 26503

Ion	Ratio	Lower	Upper
94	100		
96	95.0	75.0	112.4

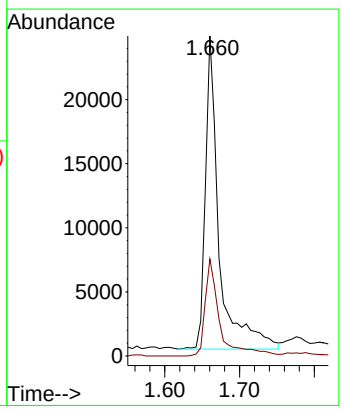


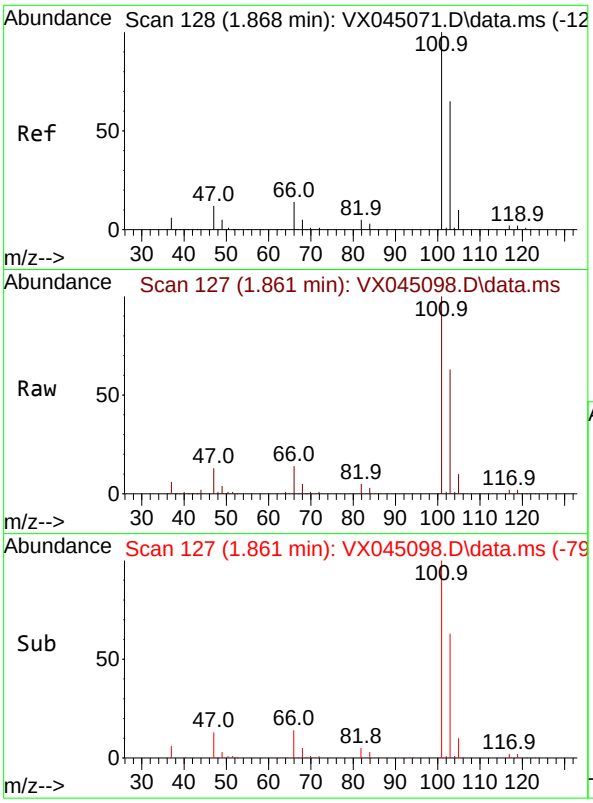


#6
Chloroethane
Concen: 43.329 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 64 Resp: 31071

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.7	40.1



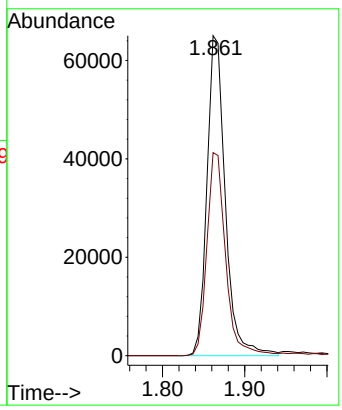


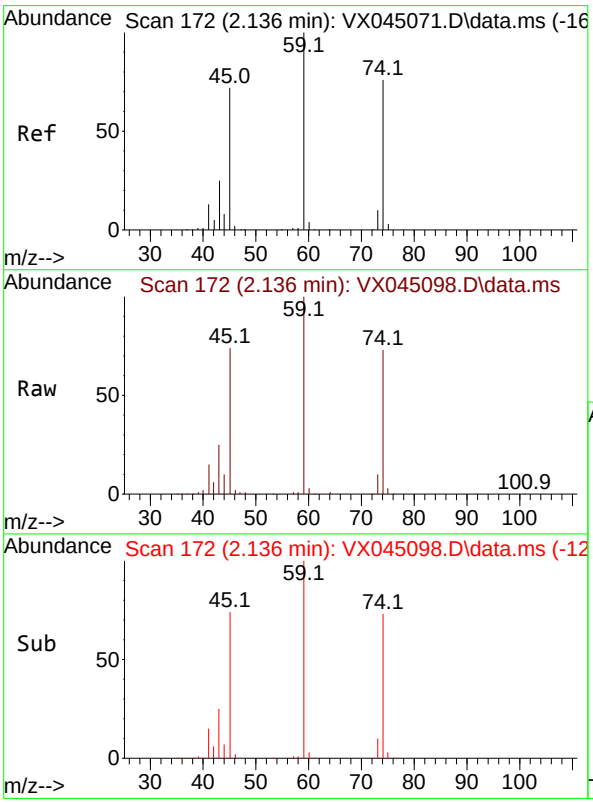
#7
Trichlorofluoromethane
Concen: 49.043 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 100933

Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.1	78.1

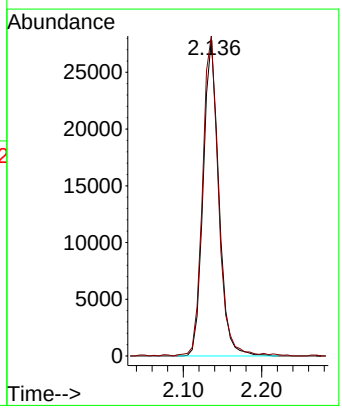


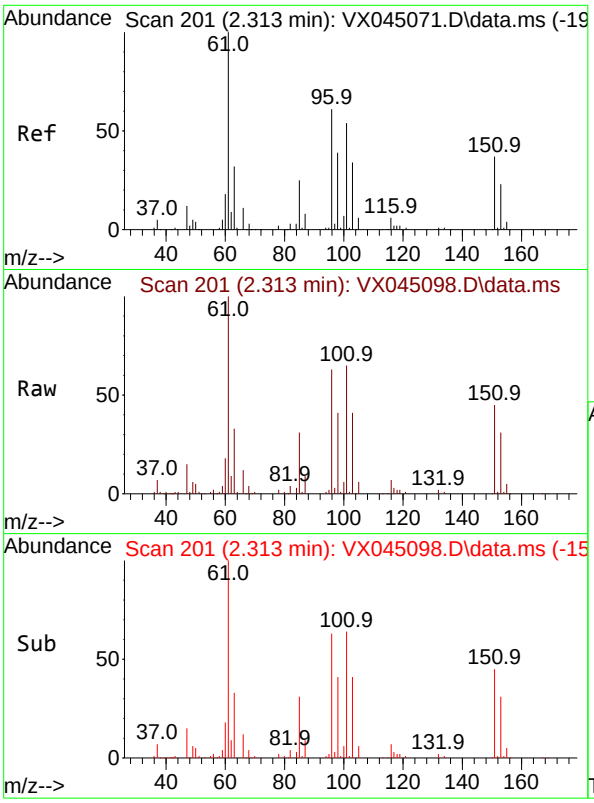


#8
Diethyl Ether
Concen: 47.827 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 74 Resp: 38500

Ion	Ratio	Lower	Upper
74	100		
45	103.2	51.5	154.5



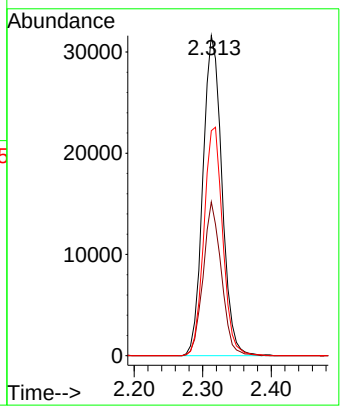


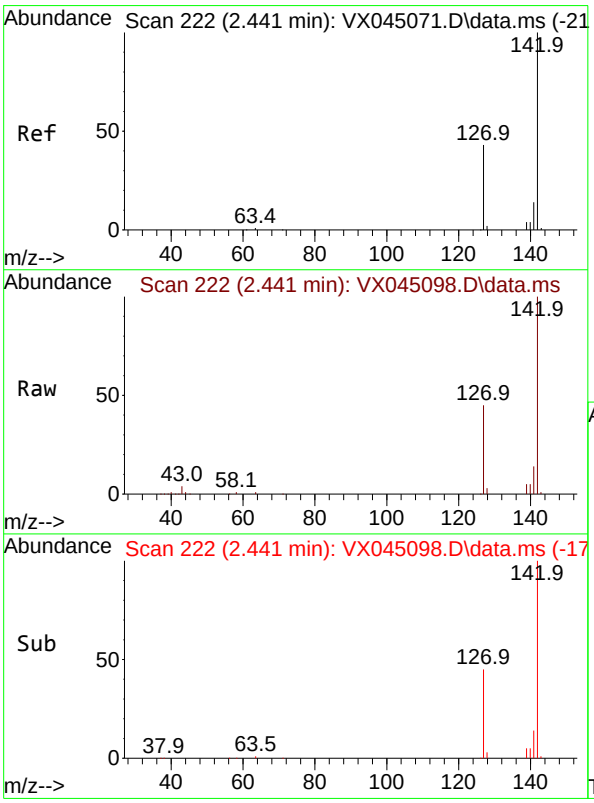
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.757 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 61197

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.2	54.4
151	70.5	56.4	84.6

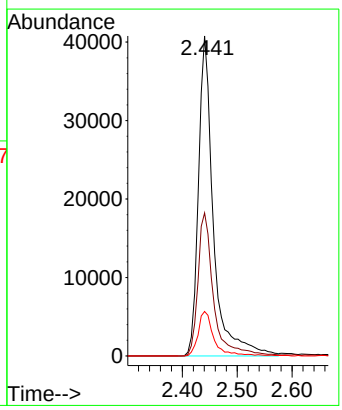


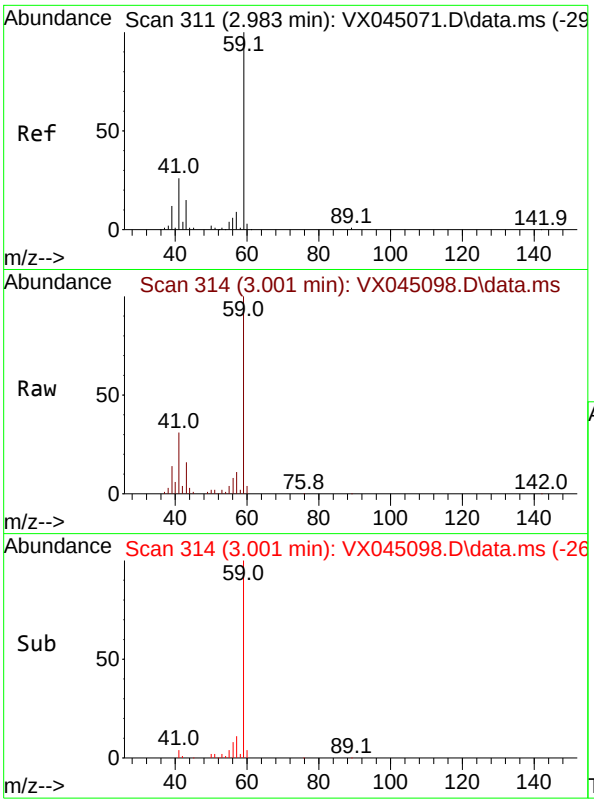


#10
Methyl Iodide
Concen: 52.436 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:142 Resp: 77481

Ion	Ratio	Lower	Upper
142	100		
127	46.5	35.4	53.2
141	14.8	11.6	17.4



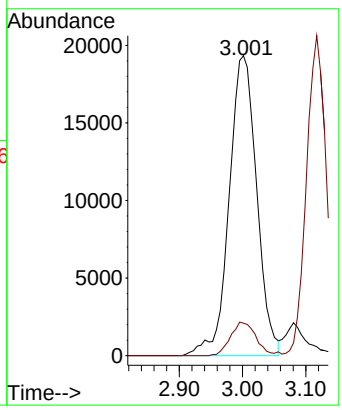


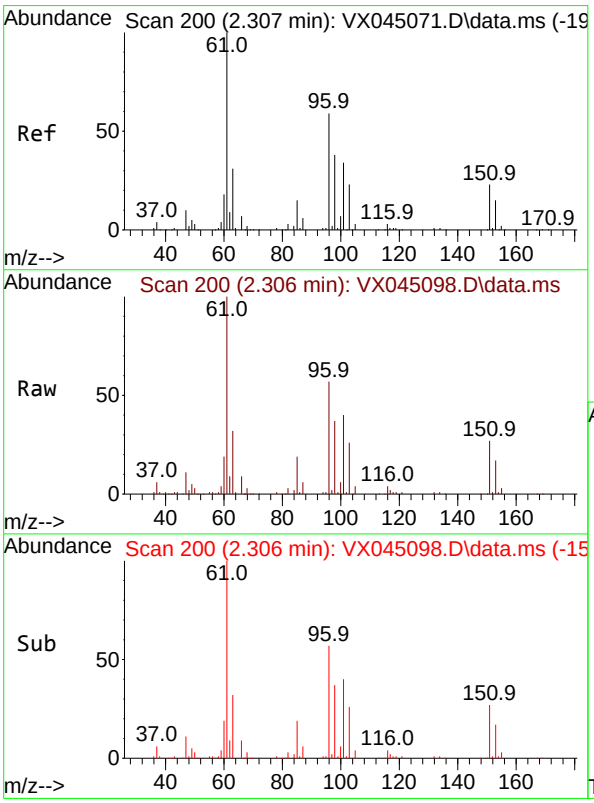
#11
Tert butyl alcohol
Concen: 191.387 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 58663

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

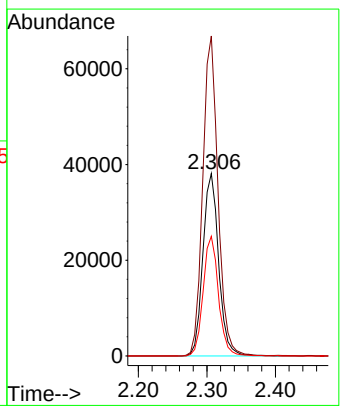


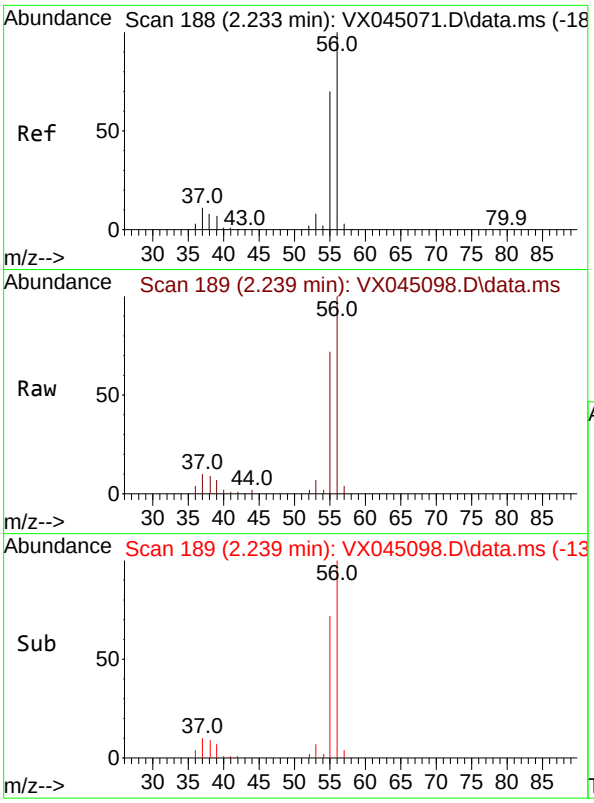


#12
1,1-Dichloroethene
Concen: 48.851 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 96 Resp: 61068

Ion	Ratio	Lower	Upper
96	100		
61	175.4	134.6	202.0
98	65.6	51.0	76.6



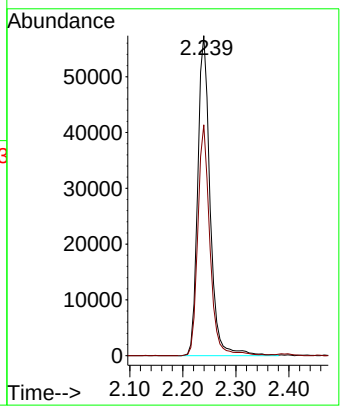


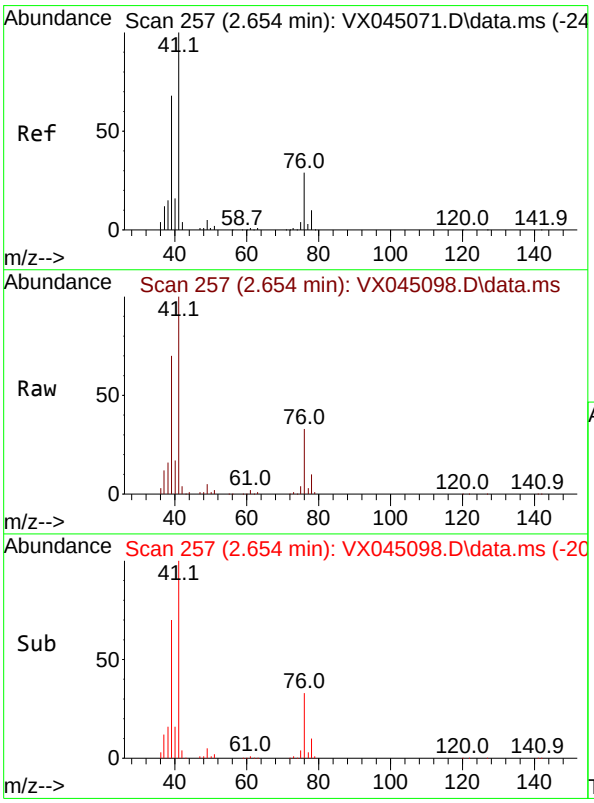
#13
Acrolein
Concen: 262.281 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 92932

Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.2	84.4

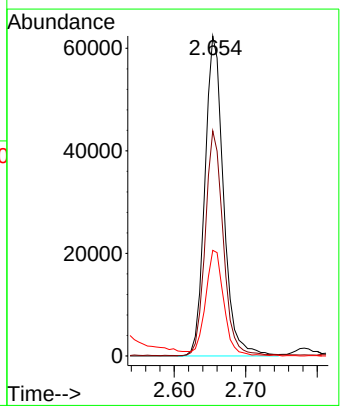


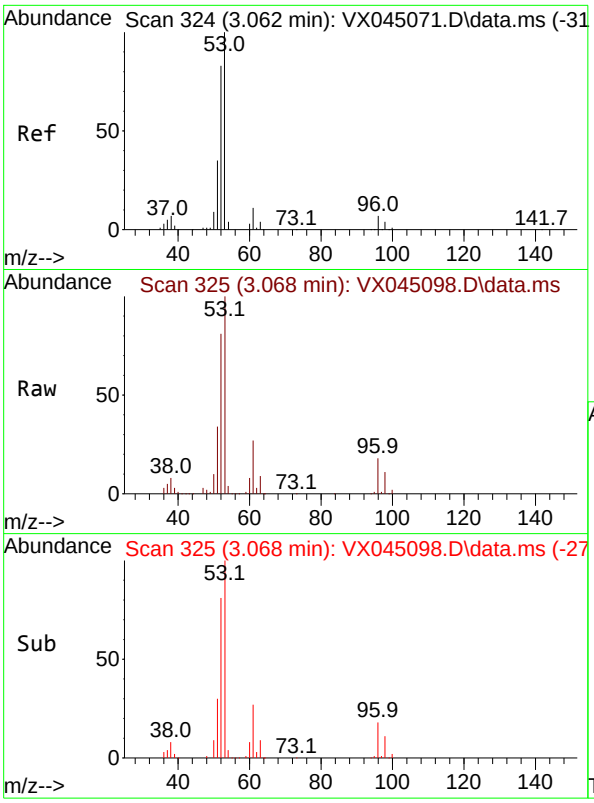


#14
Allyl chloride
Concen: 50.713 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 41 Resp: 112846

Ion	Ratio	Lower	Upper
41	100		
39	67.8	53.8	80.8
76	32.4	25.2	37.8



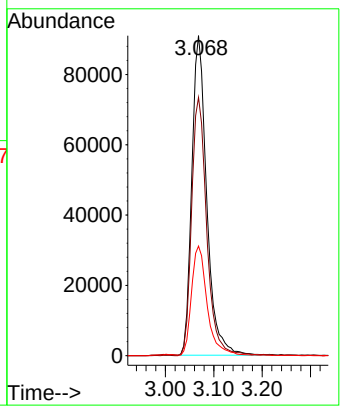


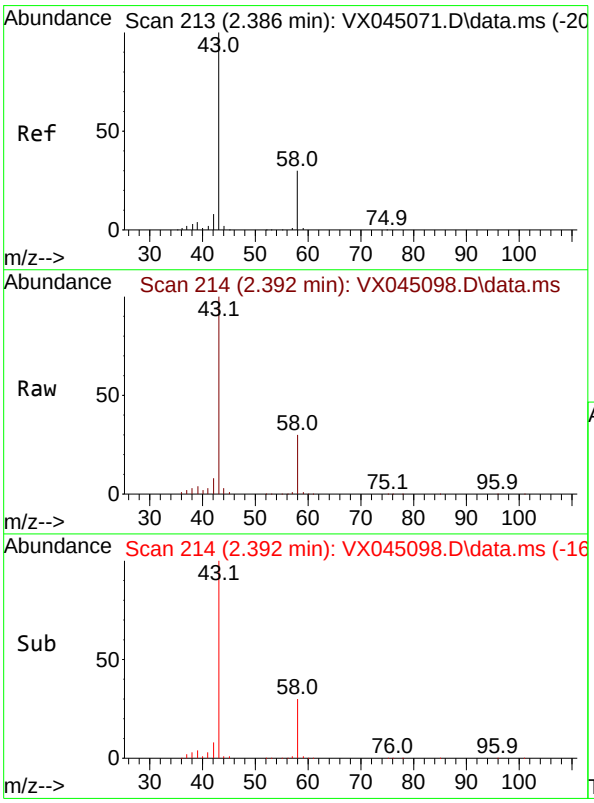
#15
Acrylonitrile
Concen: 237.322 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 194959

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.2
51	36.2	29.0	43.4

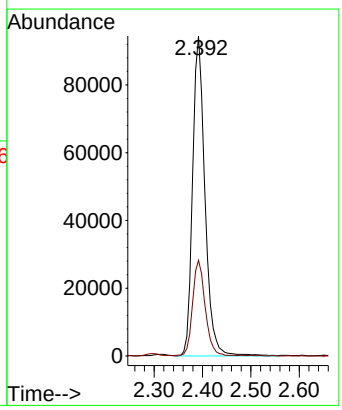


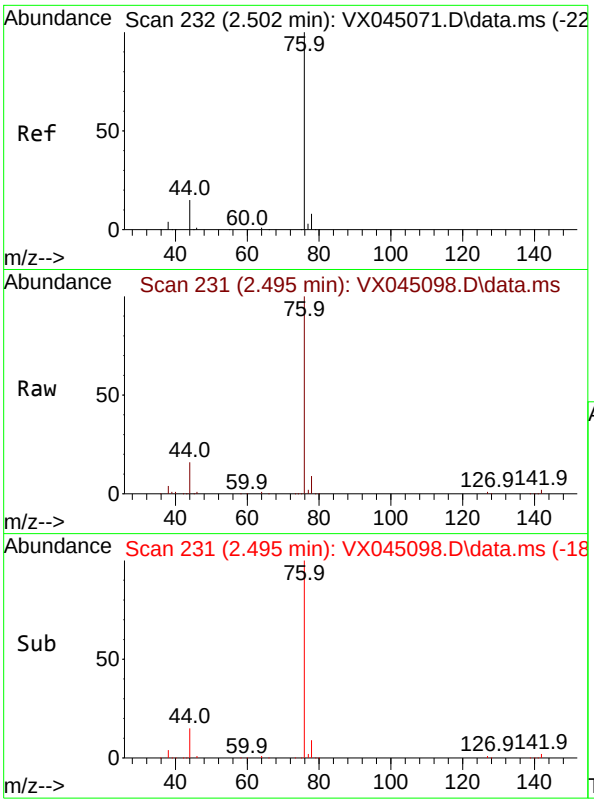


#16
Acetone
Concen: 223.399 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 167728

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.2	36.4



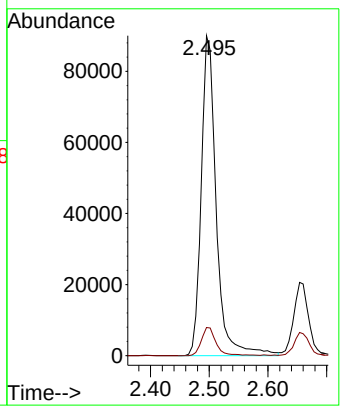


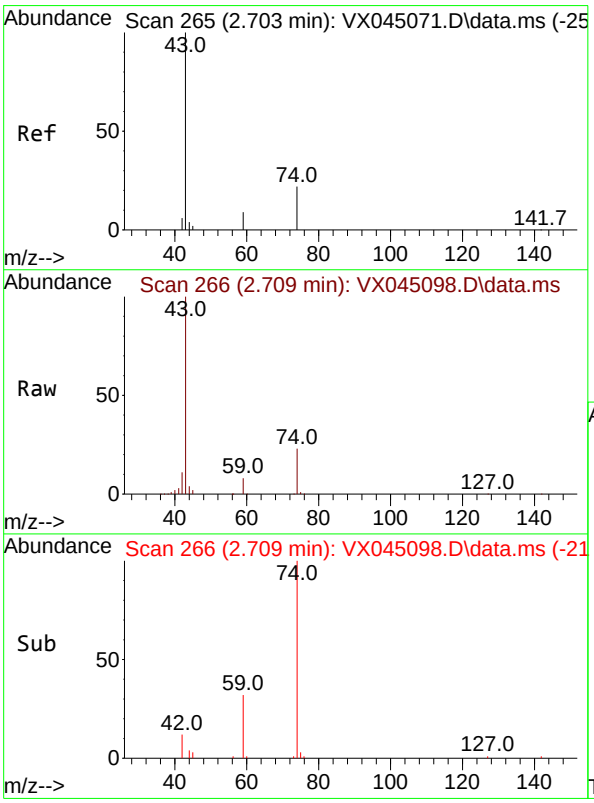
#17
Carbon Disulfide
Concen: 48.039 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 159949

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8

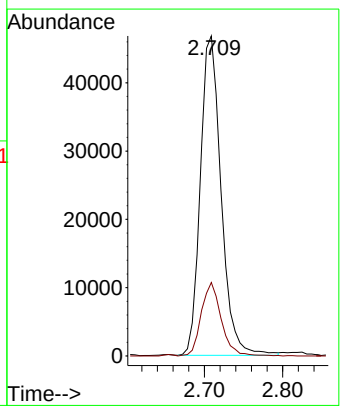


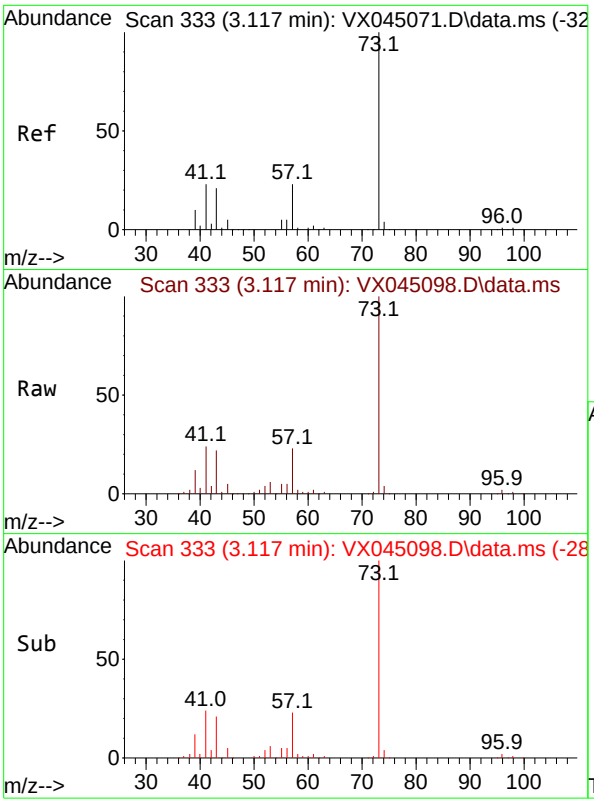


#18
Methyl Acetate
Concen: 47.656 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 86076

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



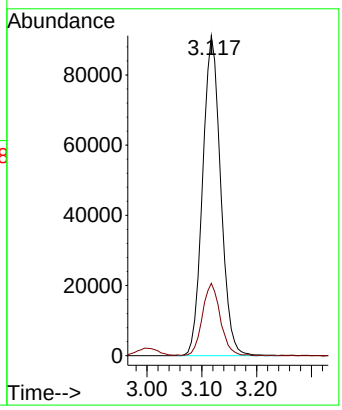


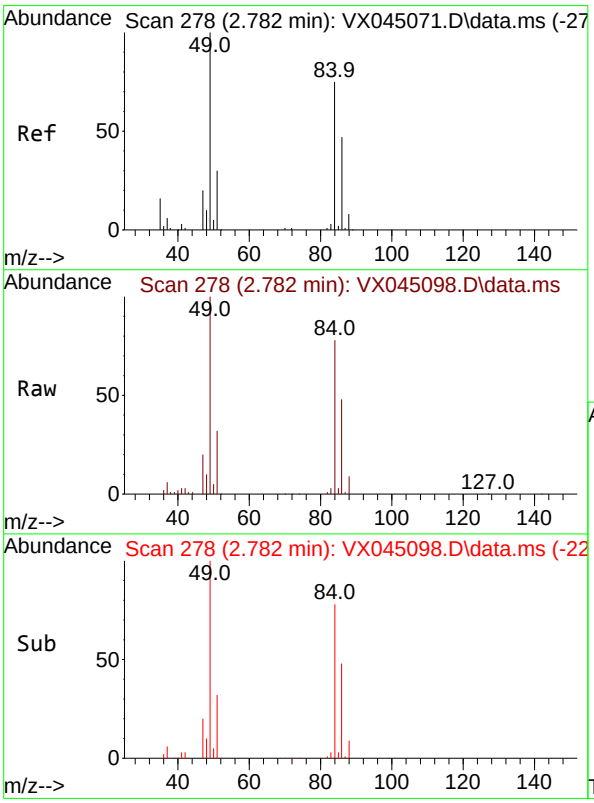
#19
Methyl tert-butyl Ether
Concen: 49.622 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 208116

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.5	27.7

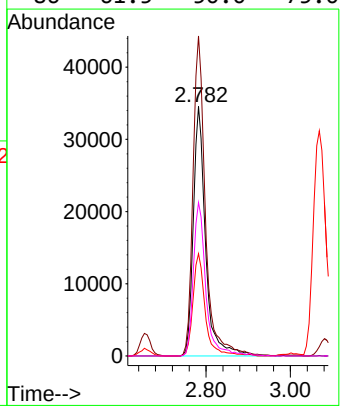


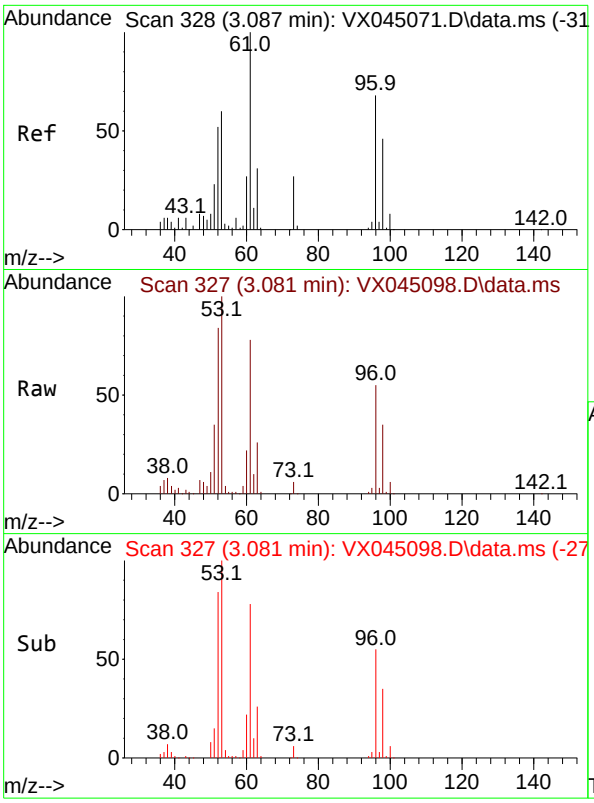


#20
Methylene Chloride
Concen: 47.257 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 84 Resp: 70283

Ion	Ratio	Lower	Upper
84	100		
49	128.3	106.5	159.7
51	41.0	32.1	48.1
86	61.5	50.0	75.0



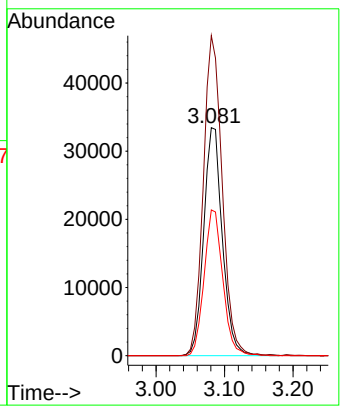


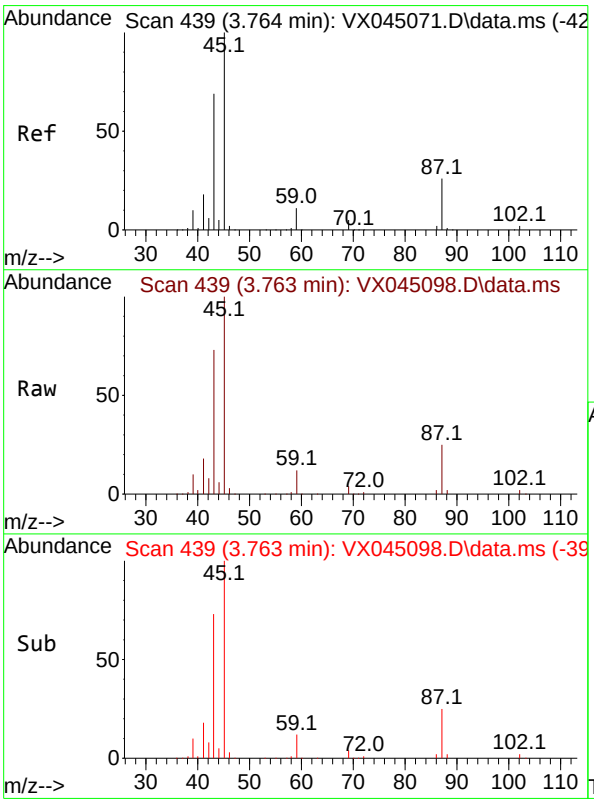
#21
trans-1,2-Dichloroethene
Concen: 51.365 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 63435

Ion	Ratio	Lower	Upper
96	100		
61	140.3	117.0	175.4
98	63.9	53.4	80.2

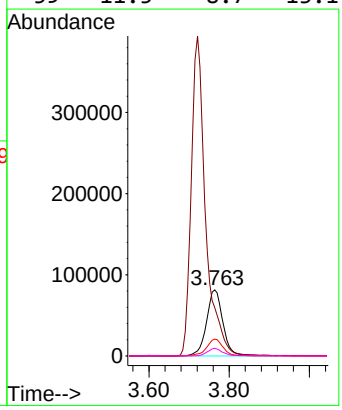


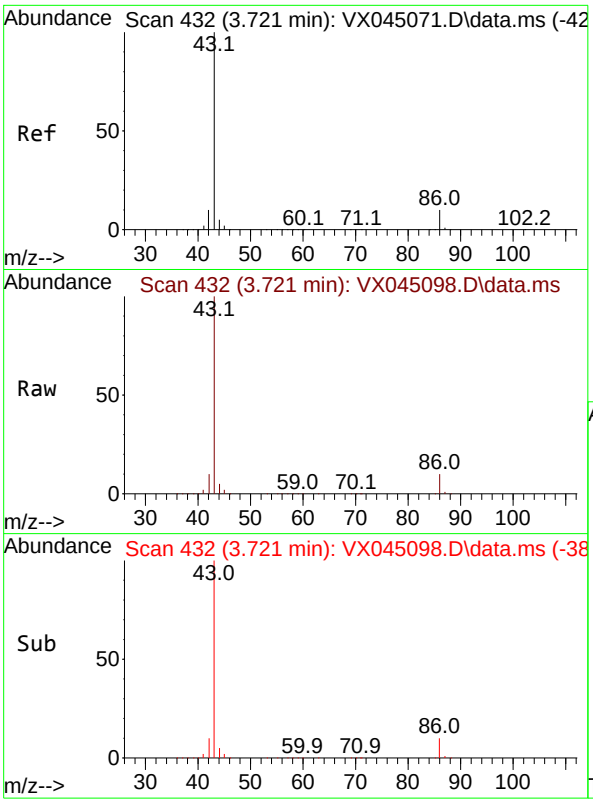


#22
Diisopropyl ether
Concen: 50.987 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 45 Resp: 230741

Ion	Ratio	Lower	Upper
45	100		
43	73.1	54.9	82.3
87	25.3	21.0	31.4
59	11.5	8.7	13.1



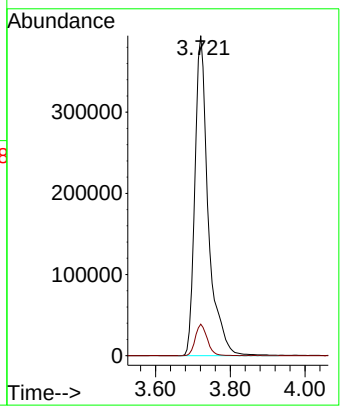


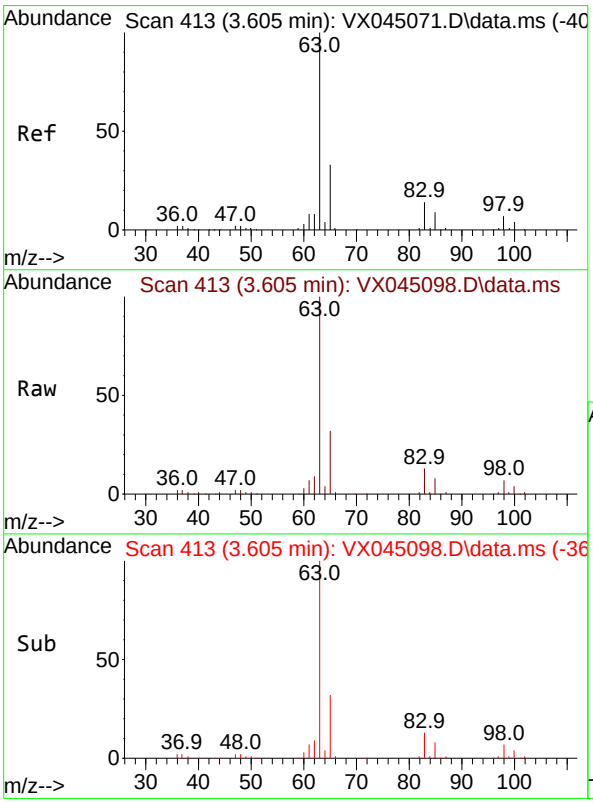
#23
Vinyl Acetate
Concen: 259.857 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 981372

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

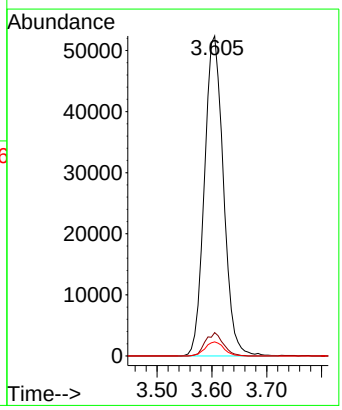


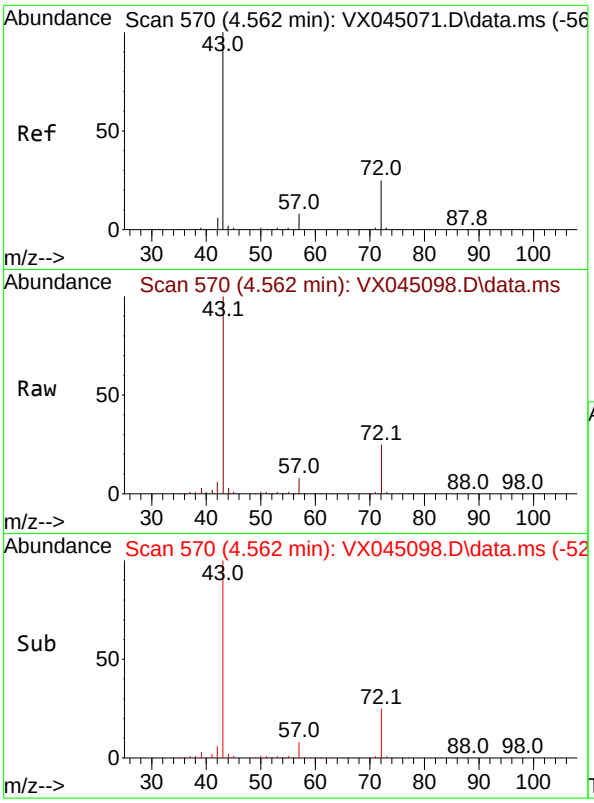


#24
1,1-Dichloroethane
Concen: 49.621 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 63 Resp: 125852

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.4	2.1	6.5



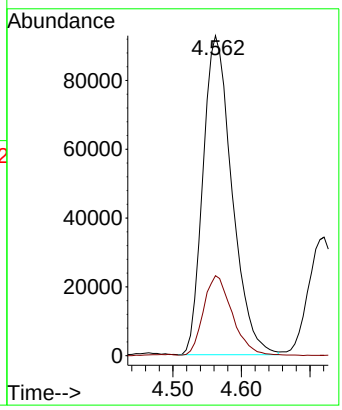


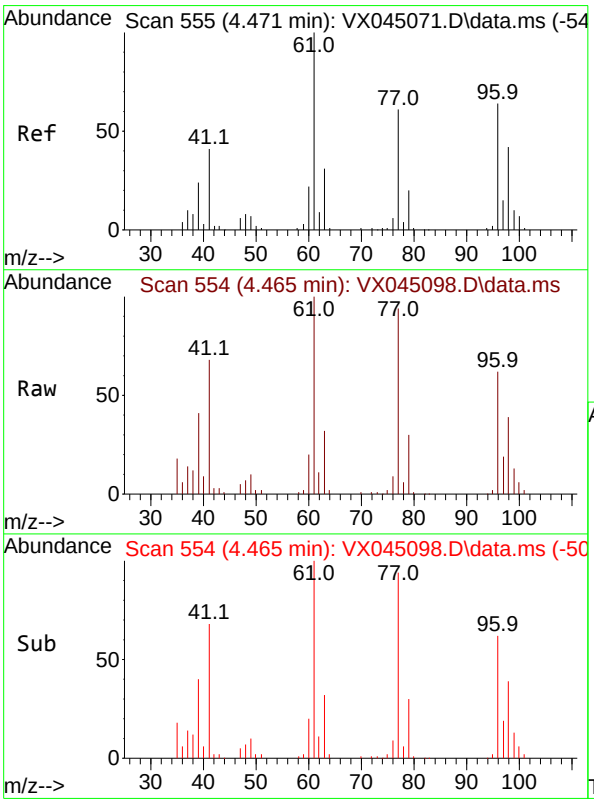
#25
2-Butanone
Concen: 241.451 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 272874

Ion	Ratio	Lower	Upper
43	100		
72	24.9	20.0	30.0

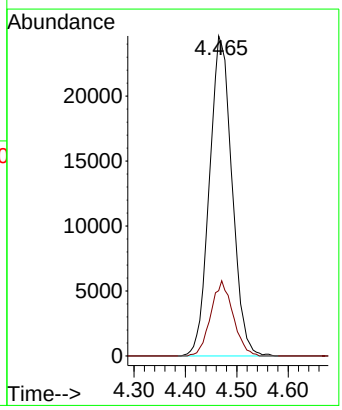


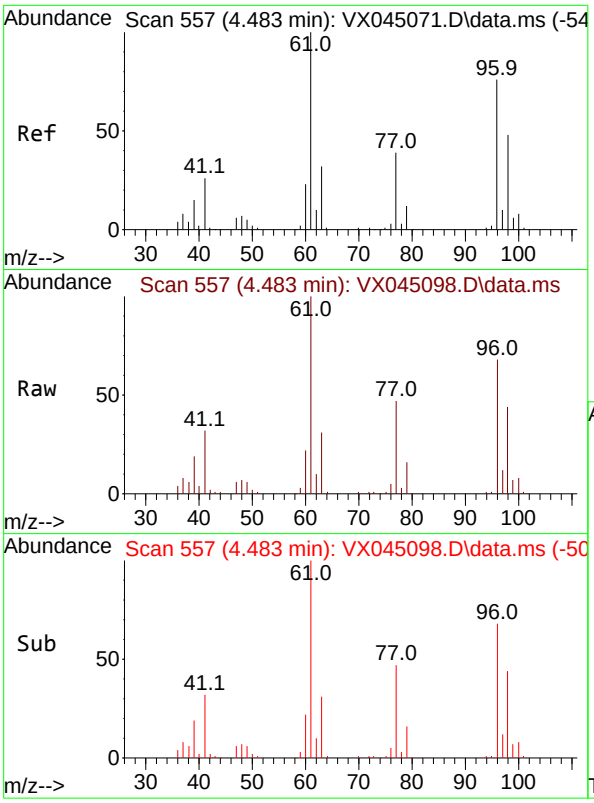


#26
2,2-Dichloropropane
Concen: 63.029 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 77 Resp: 74982

Ion	Ratio	Lower	Upper
77	100		
97	23.3	12.4	37.0



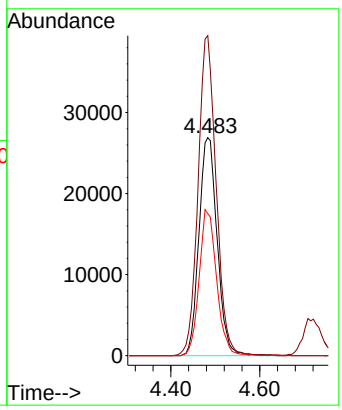


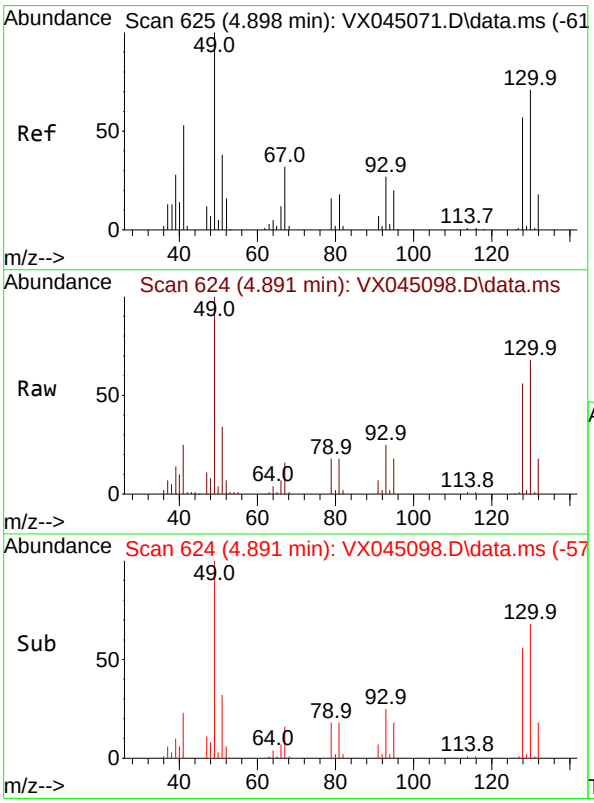
#27
cis-1,2-Dichloroethene
Concen: 50.434 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 76889

Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	283.2
98	64.0	0.0	128.0

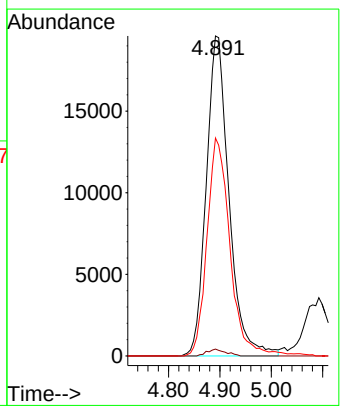


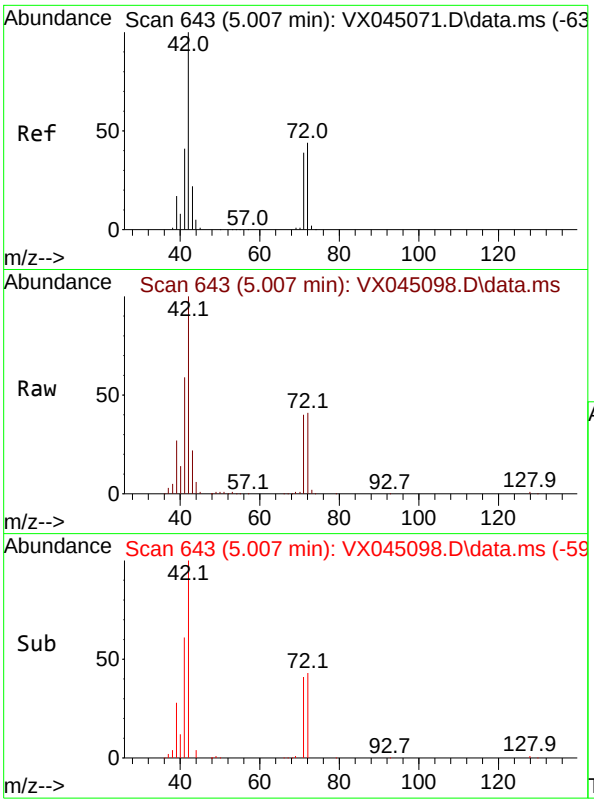


#28
Bromochloromethane
Concen: 49.771 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 49 Resp: 60168

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	69.0	56.1	84.1



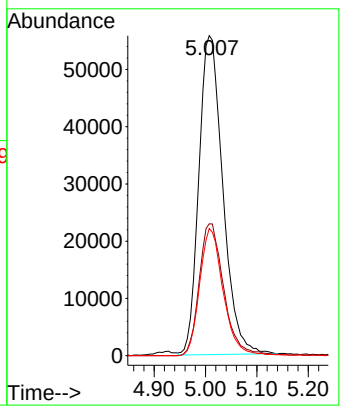


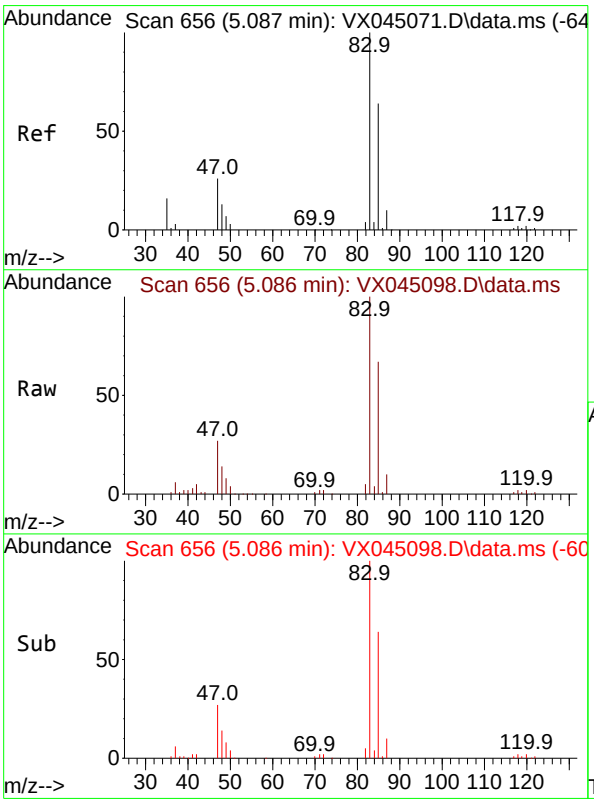
#29
Tetrahydrofuran
Concen: 238.042 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 180661

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.1	31.4	47.0

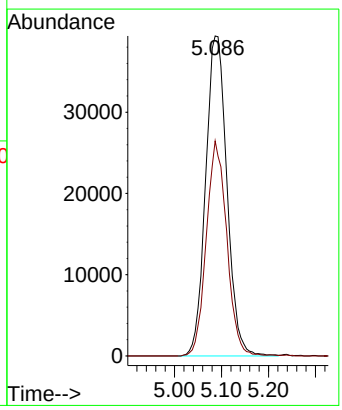


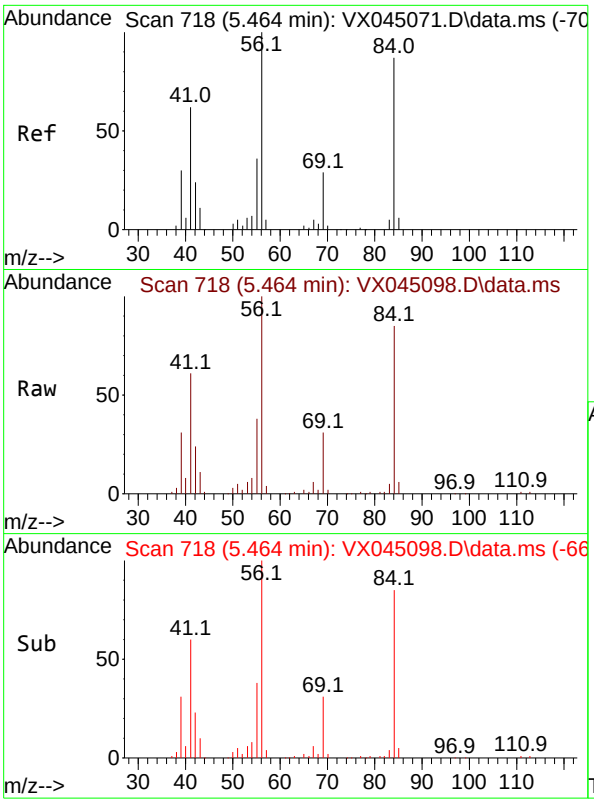


#30
Chloroform
Concen: 49.194 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 83 Resp: 123972

Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.4	77.2



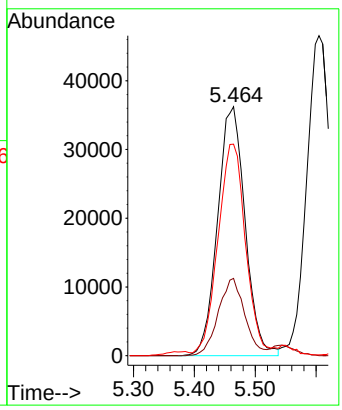


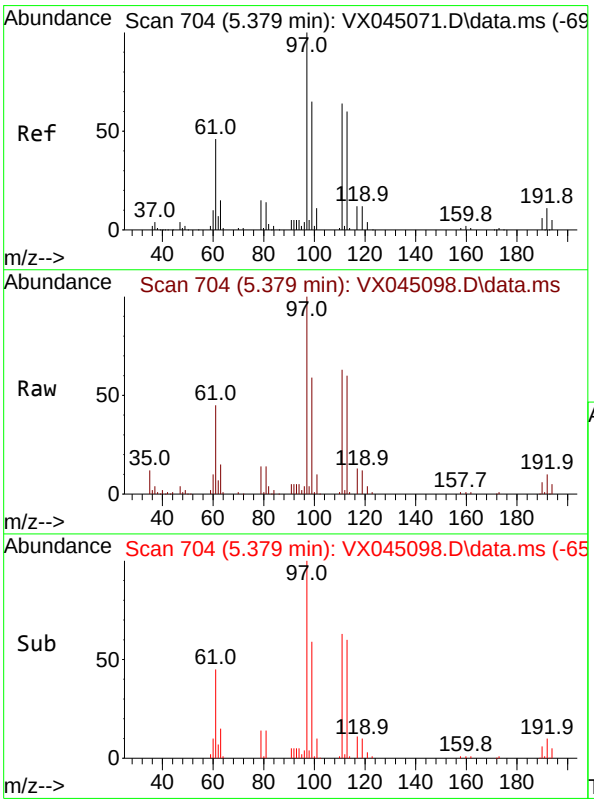
#31
Cyclohexane
Concen: 51.583 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 113565

Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.4	35.2
84	83.5	69.4	104.2

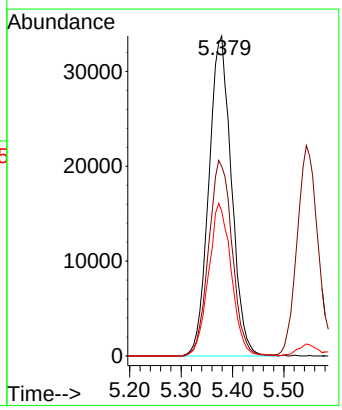


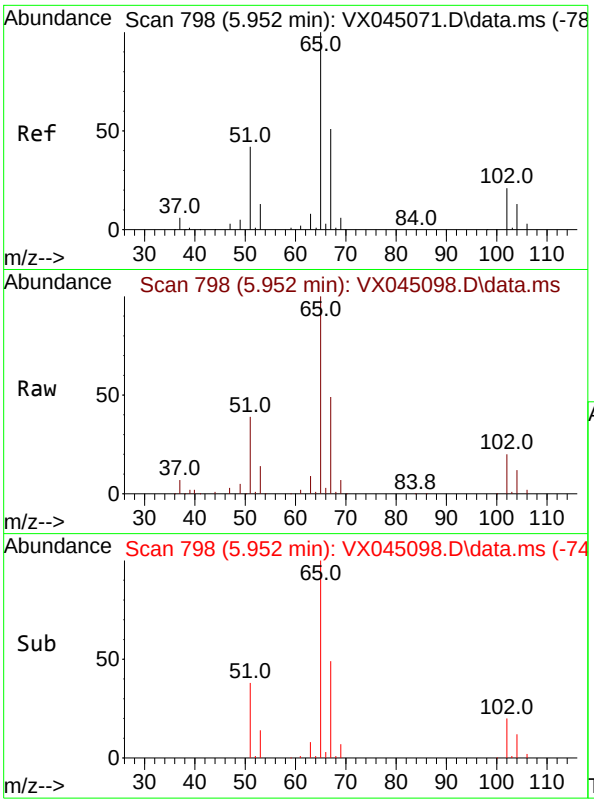


#32
1,1,1-Trichloroethane
Concen: 50.622 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 97 Resp: 103034

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	48.0	38.4	57.6



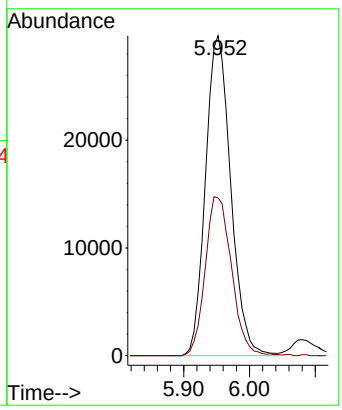


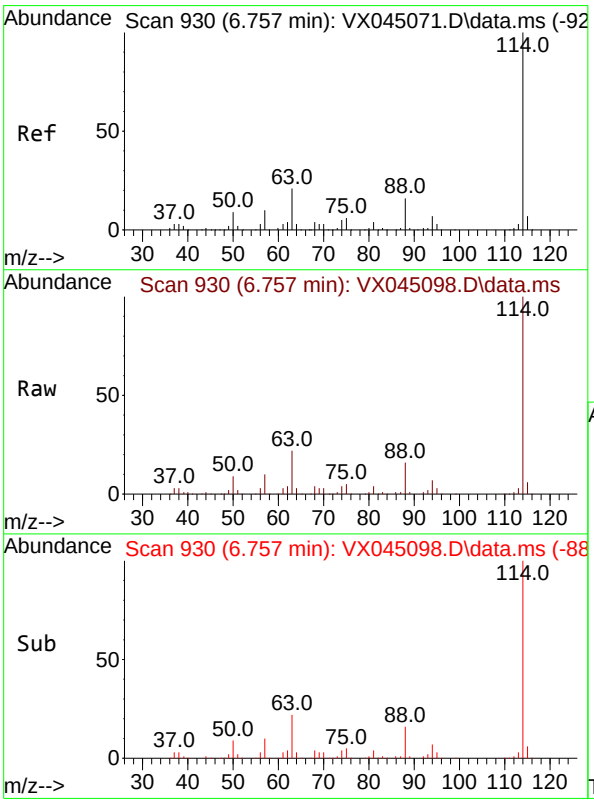
#33
1,2-Dichloroethane-d4
Concen: 49.047 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 79368

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.2

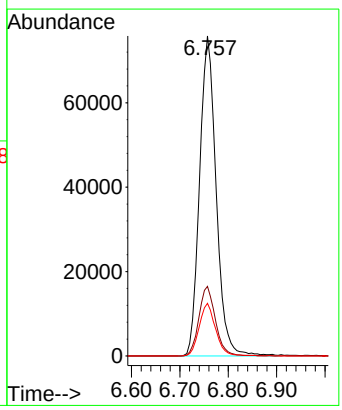


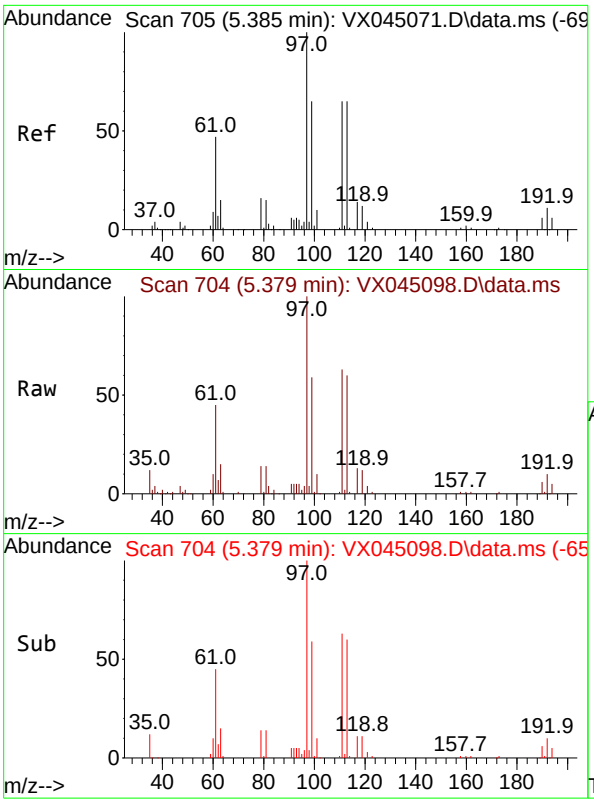


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:114 Resp: 181021

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	16.5	0.0	32.8



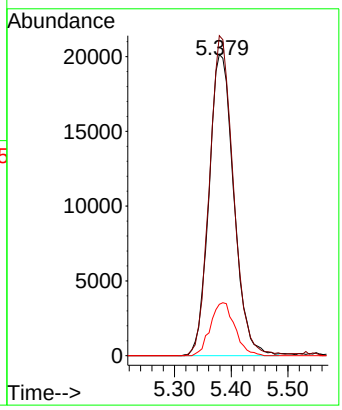


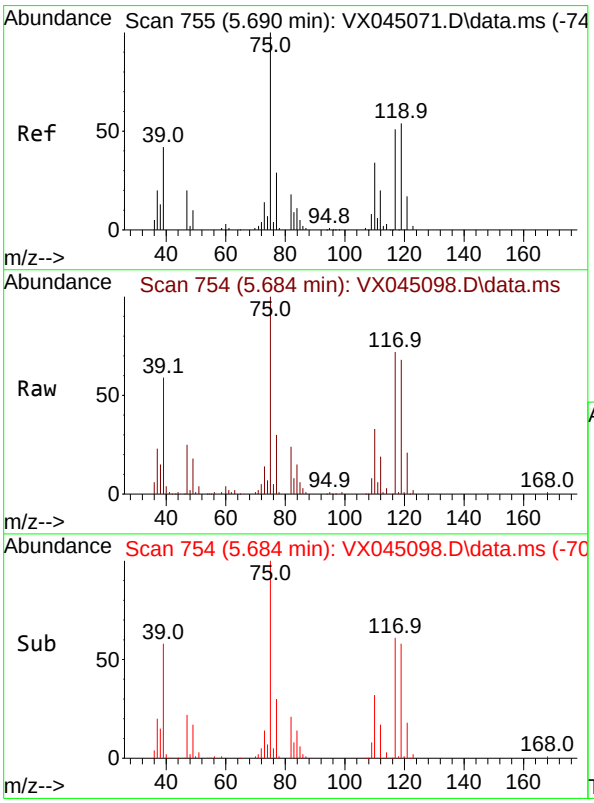
#35
Dibromofluoromethane
Concen: 50.487 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 61111

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.3	14.3	21.5

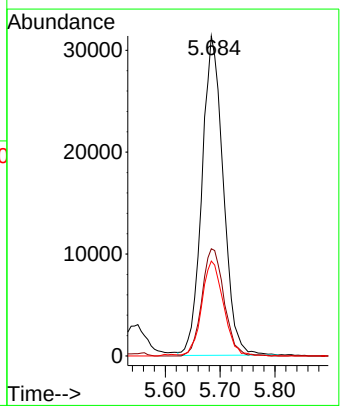


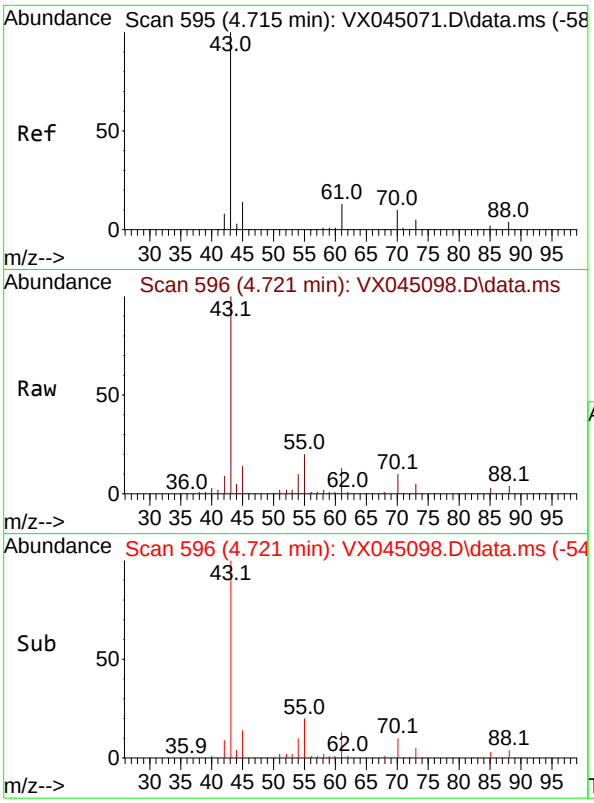


#36
1,1-Dichloropropene
Concen: 50.969 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 84609

Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.9	50.6
77	30.4	24.5	36.7



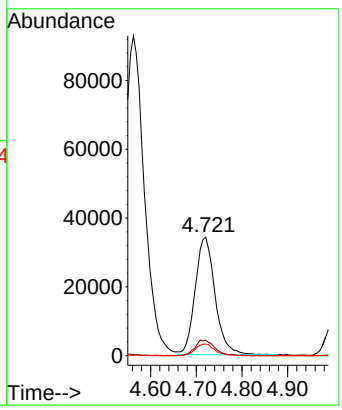


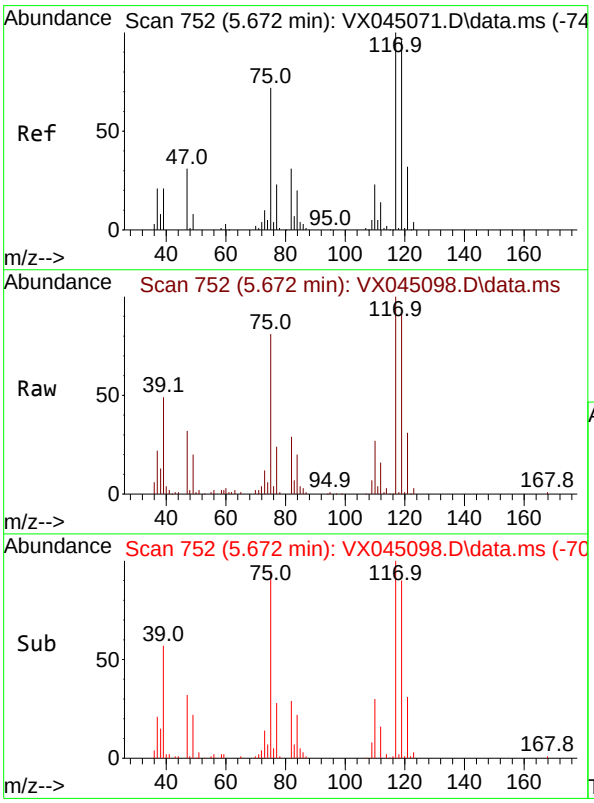
#37
Ethyl Acetate
Concen: 48.511 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 103765

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.8	16.2
70	9.7	7.7	11.5

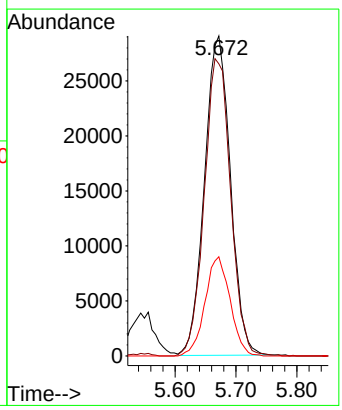


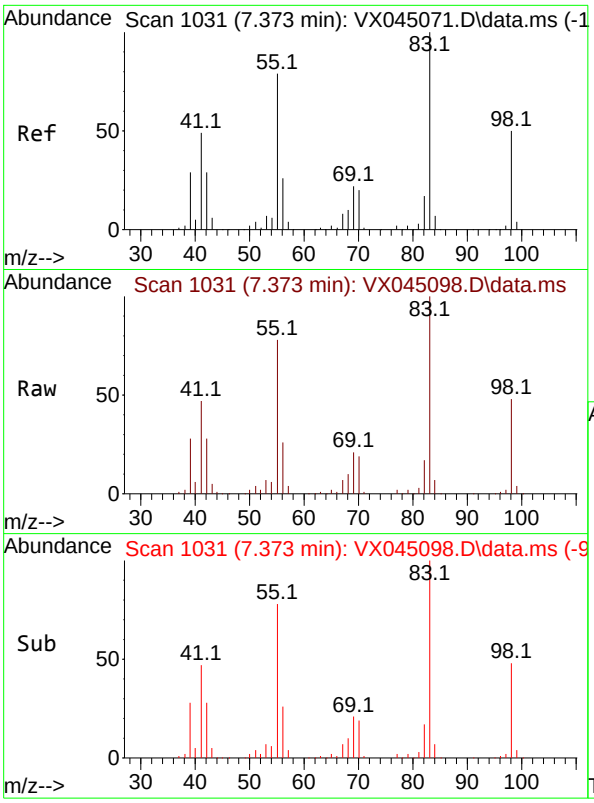


#38
Carbon Tetrachloride
Concen: 51.004 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:117 Resp: 85957

Ion	Ratio	Lower	Upper
117	100		
119	91.2	76.7	115.1
121	31.1	25.5	38.3



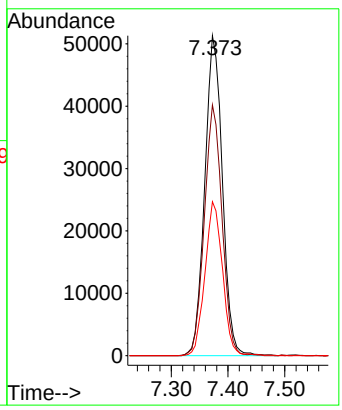


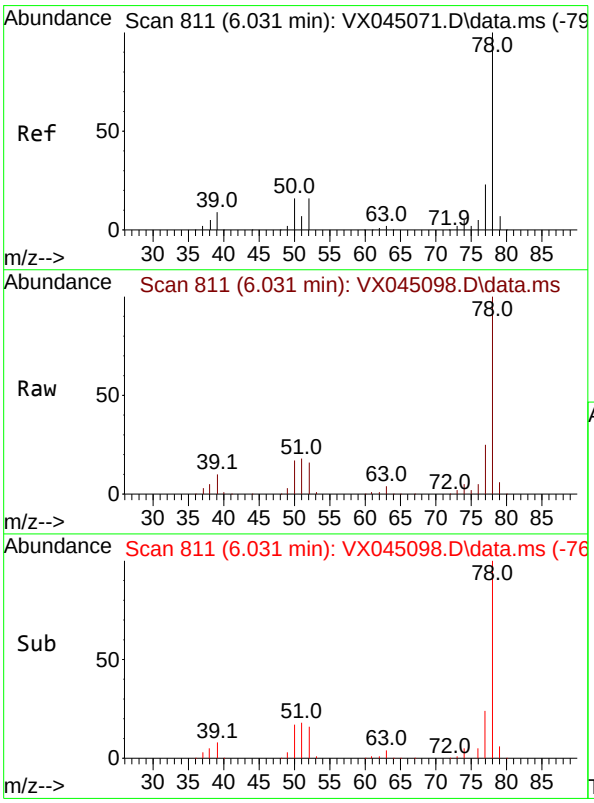
#39
Methylcyclohexane
Concen: 55.680 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 110750

Ion	Ratio	Lower	Upper
83	100		
55	78.4	63.0	94.4
98	48.1	39.7	59.5

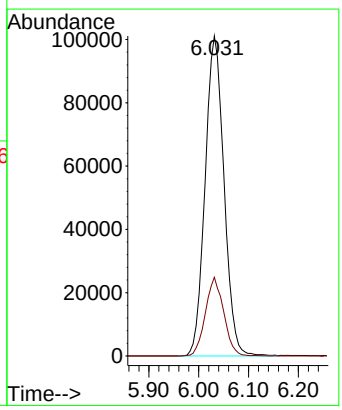


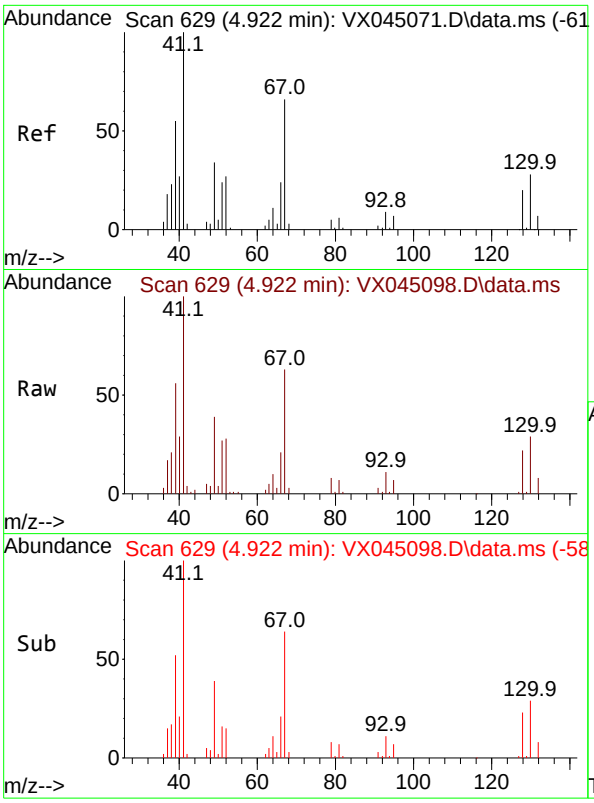


#40
Benzene
Concen: 50.791 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 78 Resp: 266243

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2



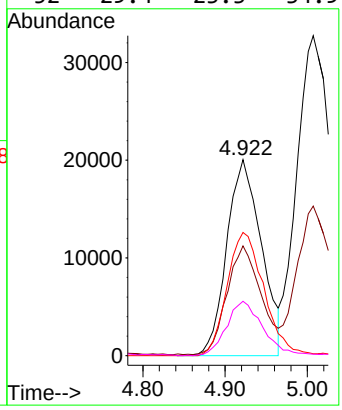


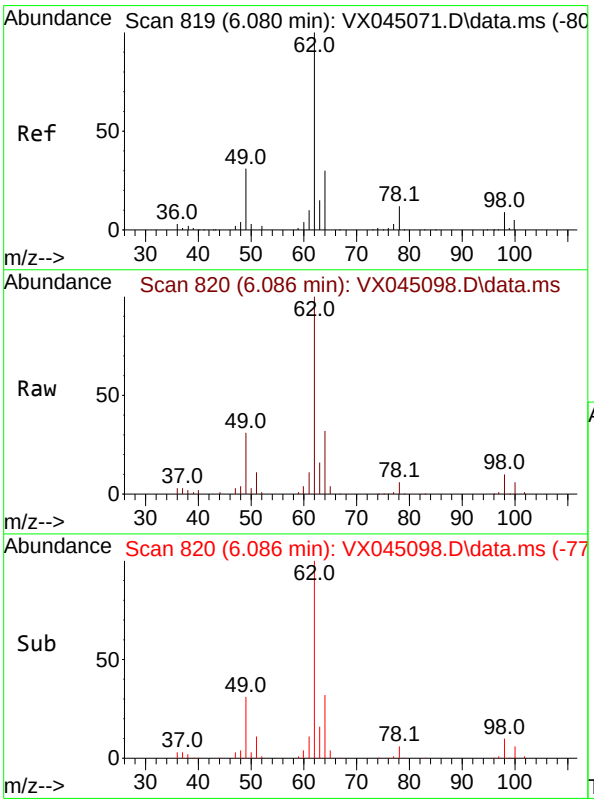
#41
Methacrylonitrile
Concen: 50.896 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 58866

Ion	Ratio	Lower	Upper
41	100		
39	54.4	44.6	67.0
67	67.0	53.9	80.9
52	29.4	23.3	34.9

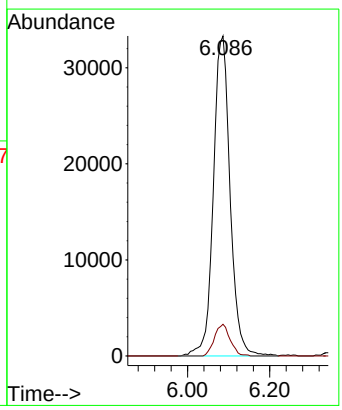


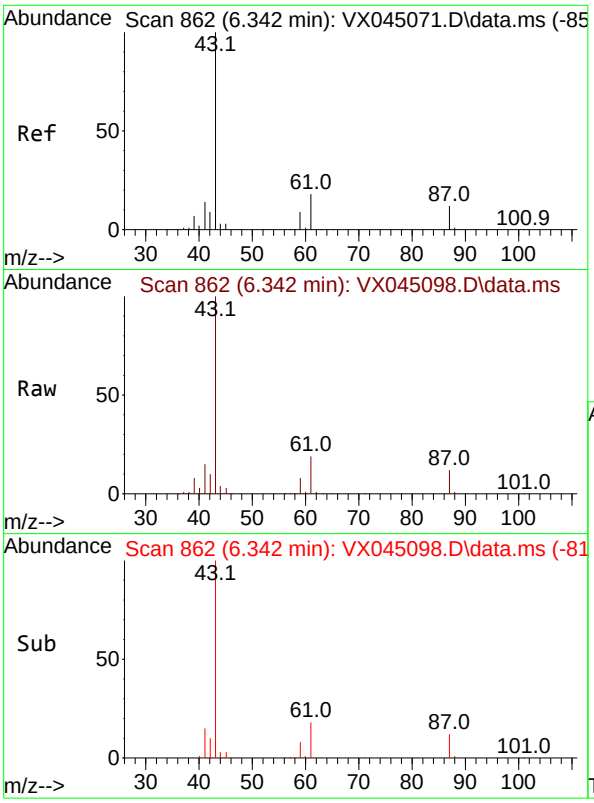


#42
1,2-Dichloroethane
Concen: 49.909 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 62 Resp: 94209

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



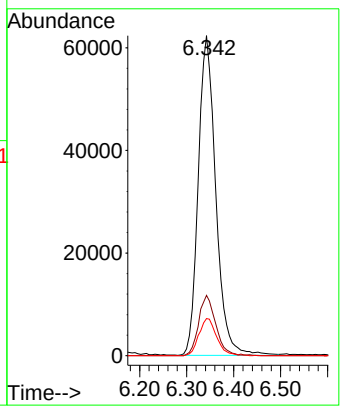


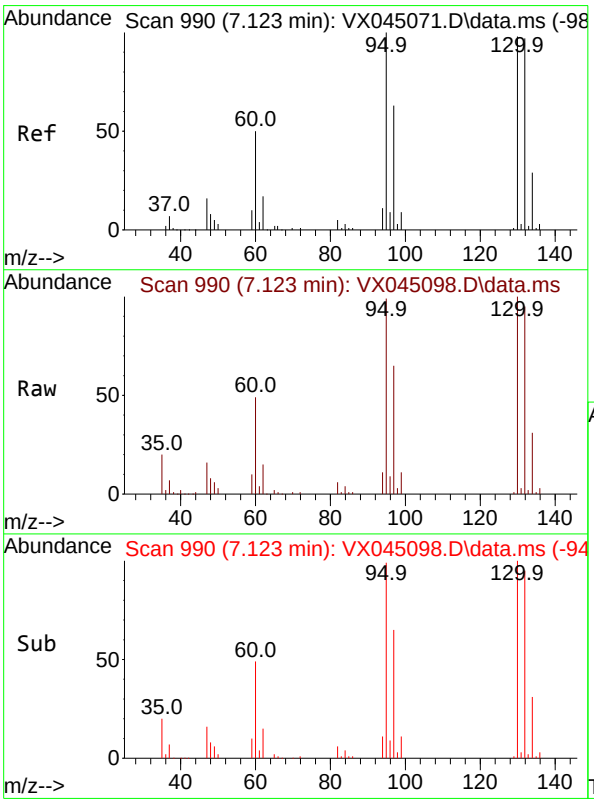
#43
Isopropyl Acetate
Concen: 51.105 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 161644

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2

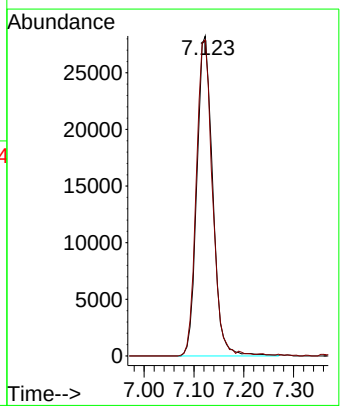


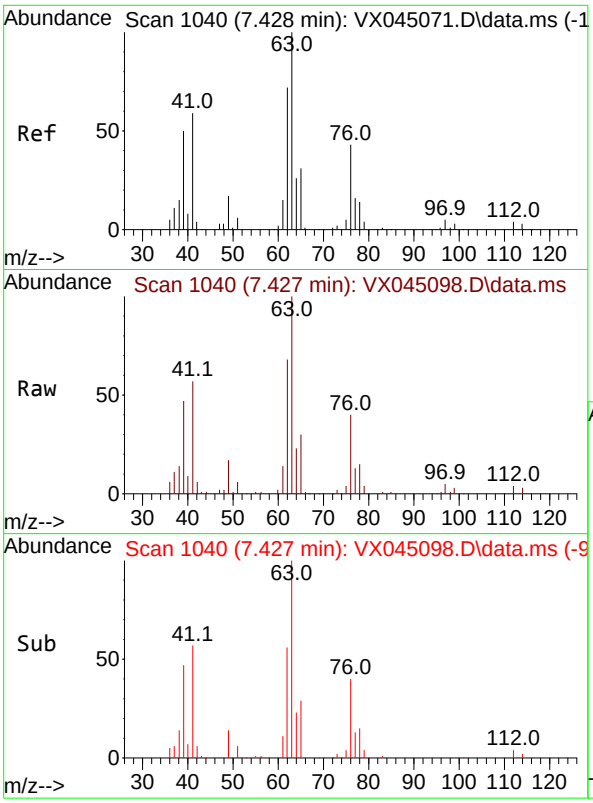


#44
Trichloroethene
Concen: 50.539 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:130 Resp: 62206

Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	205.0



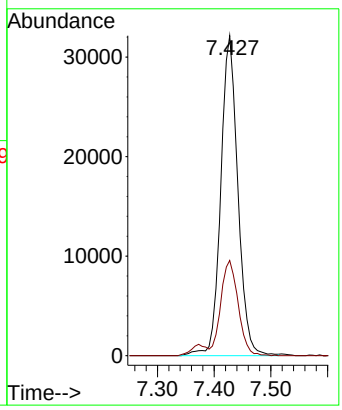


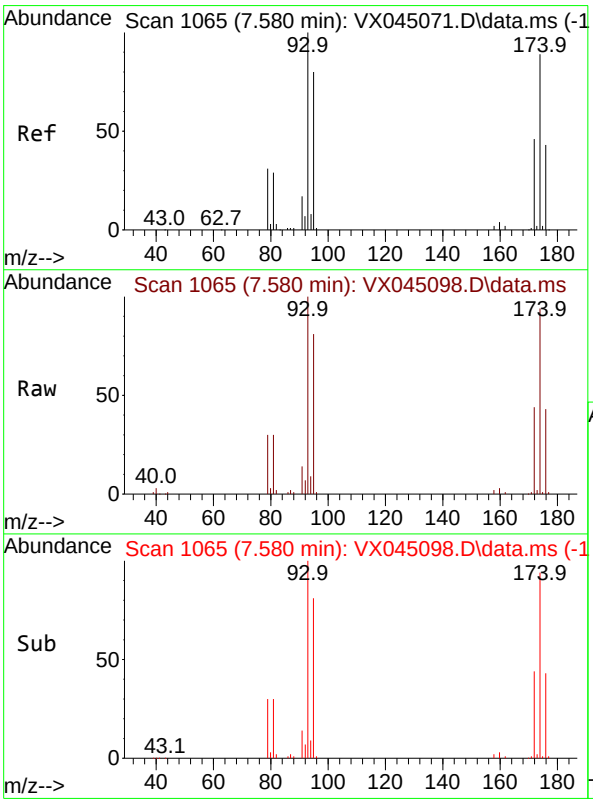
#45
1,2-Dichloropropane
Concen: 50.023 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 67418

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.7	37.1

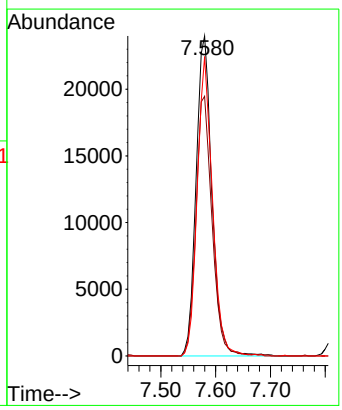


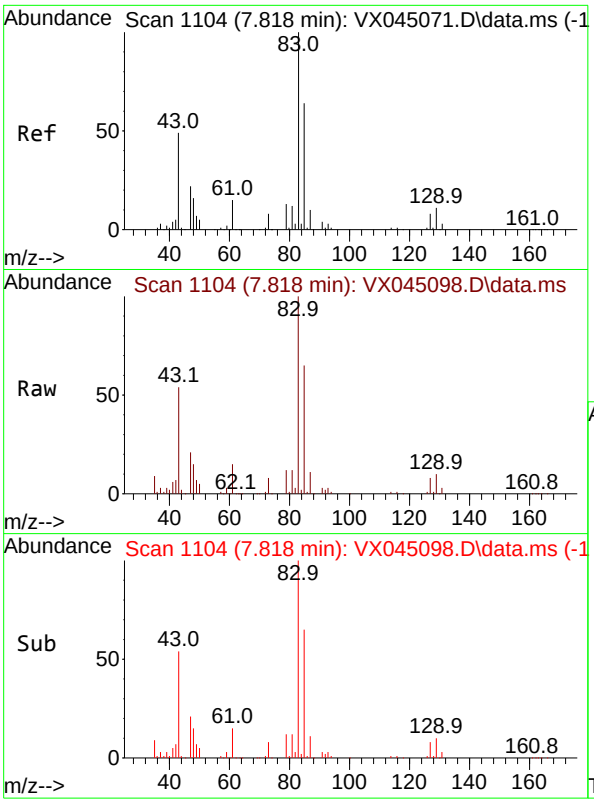


#46
Dibromomethane
Concen: 50.658 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 93 Resp: 48257

Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.8	98.8
174	89.8	72.2	108.2



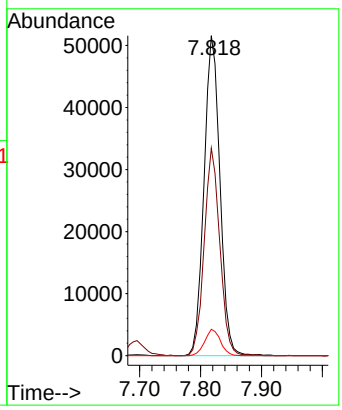


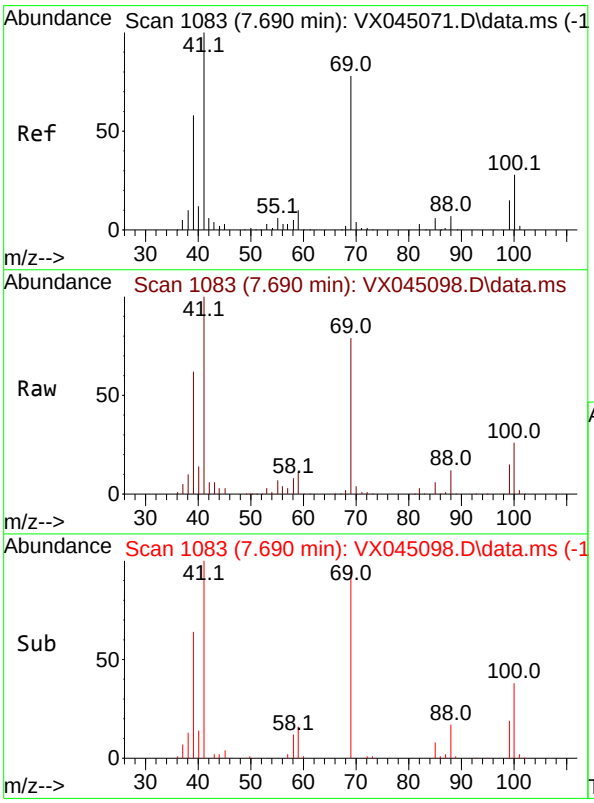
#47
Bromodichloromethane
Concen: 50.147 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 93700

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7
127	8.2	6.4	9.6

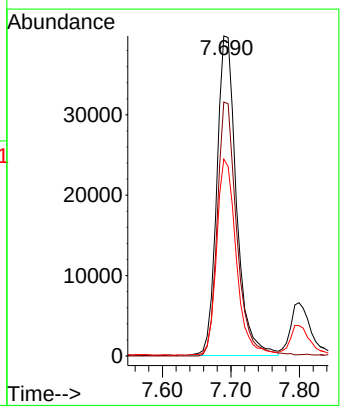


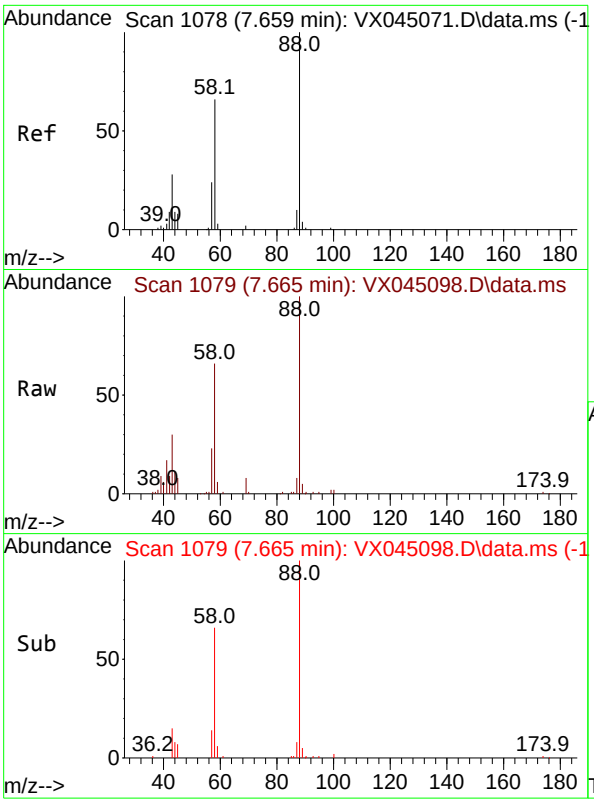


#48
Methyl methacrylate
Concen: 49.791 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 41 Resp: 79010

Ion	Ratio	Lower	Upper
41	100		
69	78.7	63.0	94.6
39	61.2	47.5	71.3



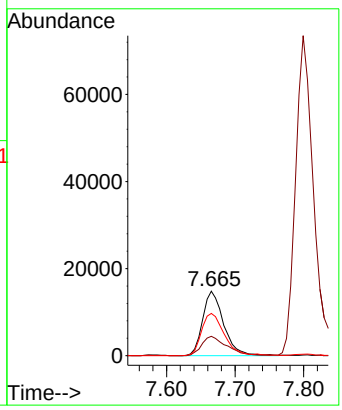


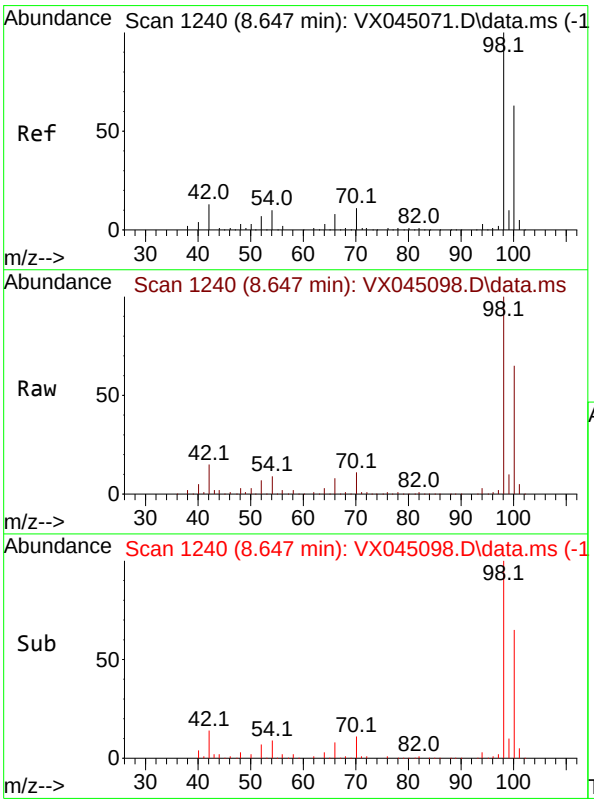
#49
1,4-Dioxane
Concen: 943.544 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 31583

Ion	Ratio	Lower	Upper
88	100		
43	35.8	28.7	43.1
58	71.7	55.8	83.8

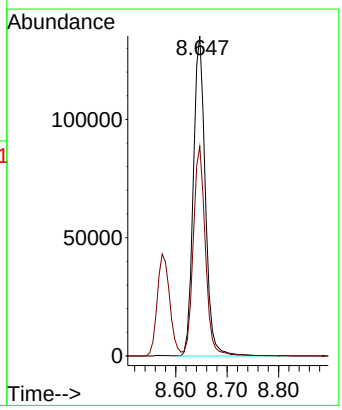


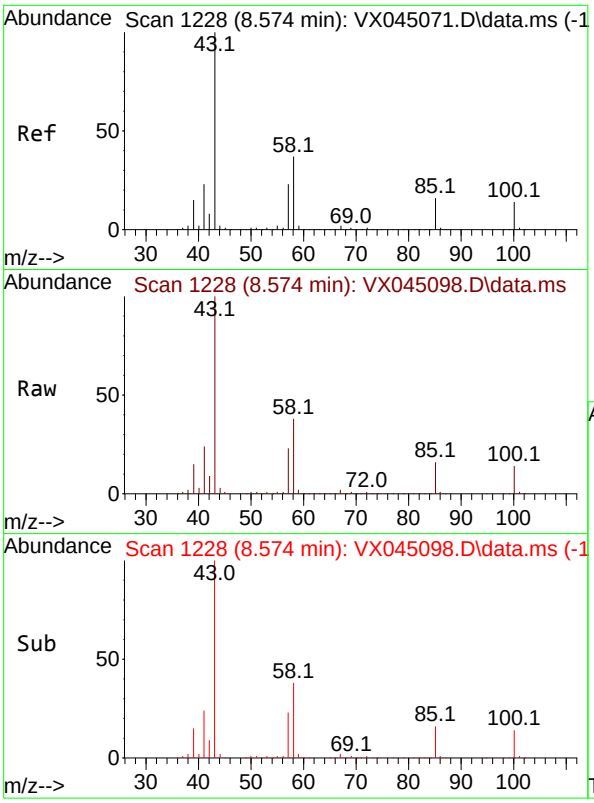


#50
Toluene-d8
Concen: 49.952 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 98 Resp: 219202

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.0	78.0



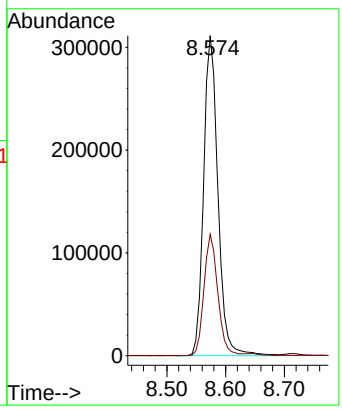


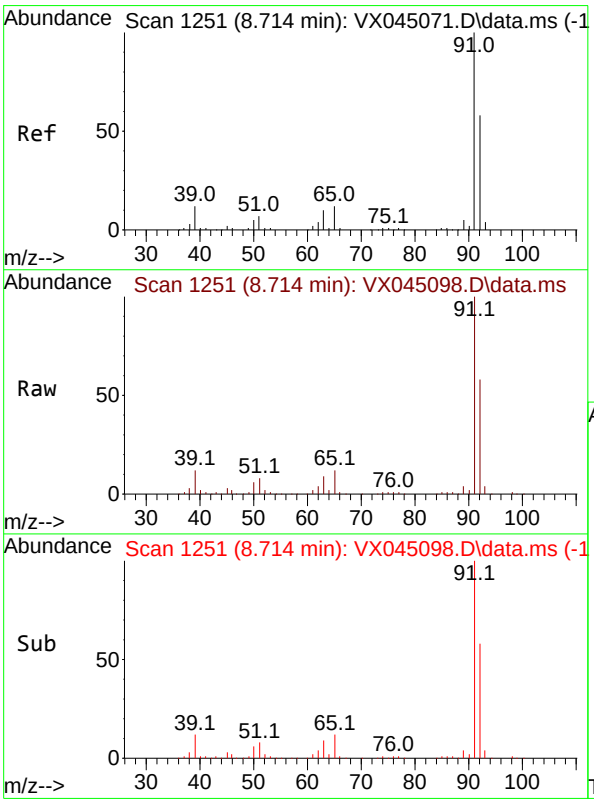
#51
4-Methyl-2-Pentanone
Concen: 248.148 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 527009

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.2	43.8

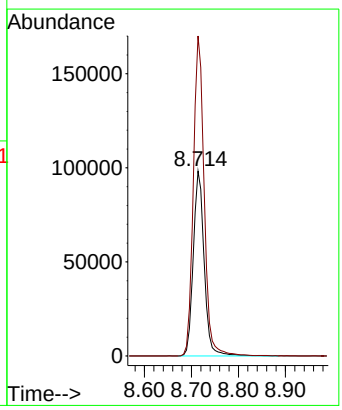


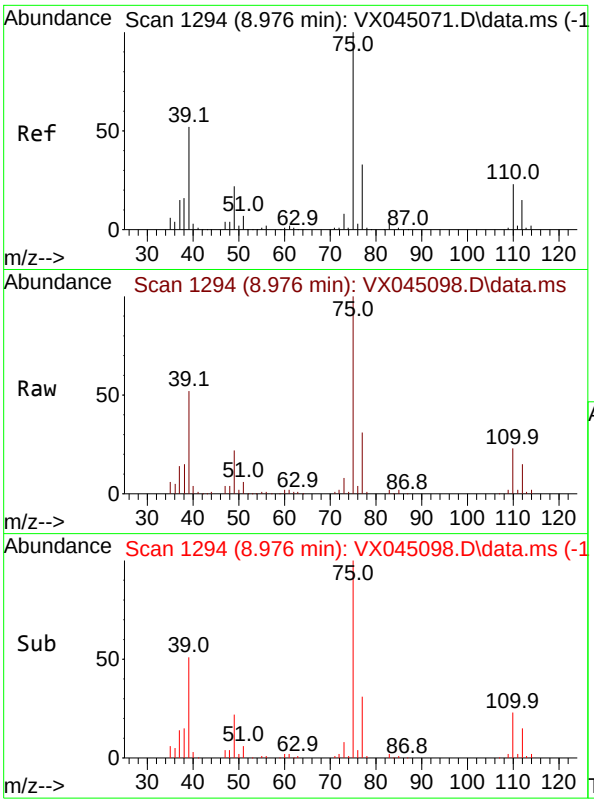


#52
Toluene
Concen: 51.738 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 92 Resp: 159122

Ion	Ratio	Lower	Upper
92	100		
91	172.4	138.9	208.3



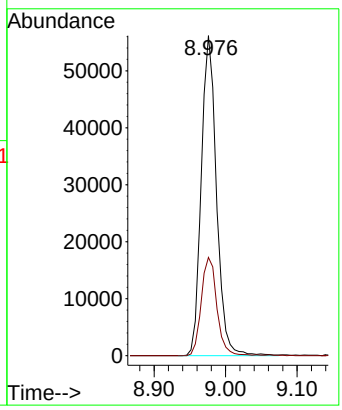


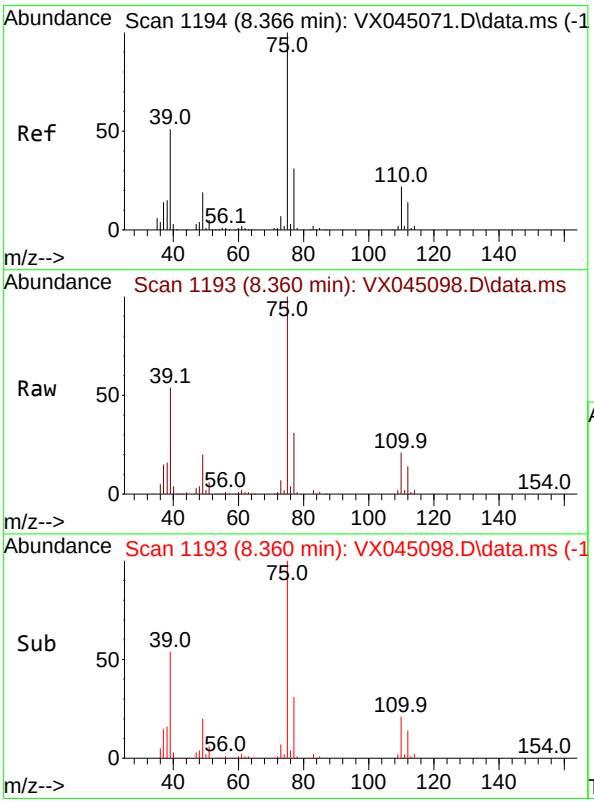
#53
t-1,3-Dichloropropene
Concen: 53.255 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 83188

Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.5	39.7

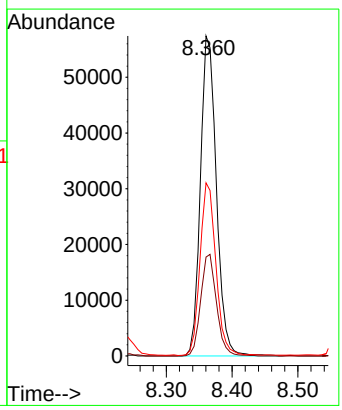


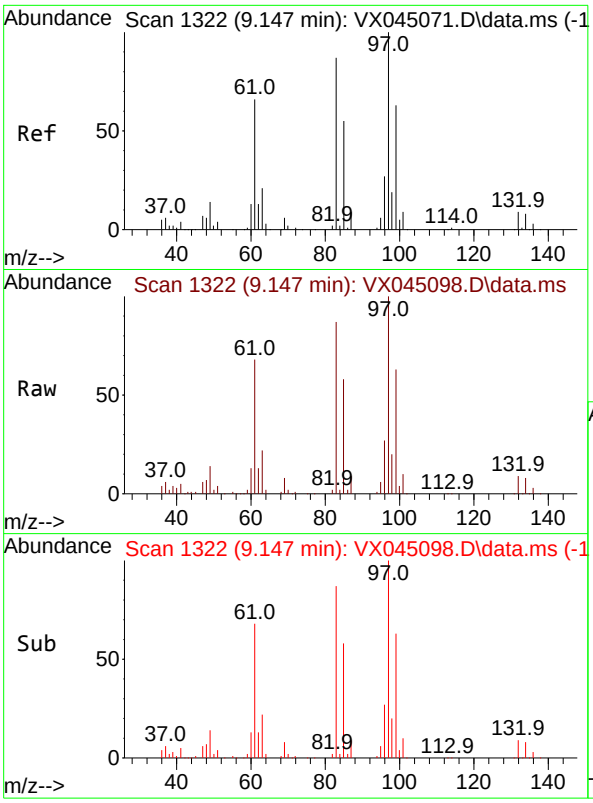


#54
cis-1,3-Dichloropropene
Concen: 53.261 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 97016

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	53.9	40.7	61.1



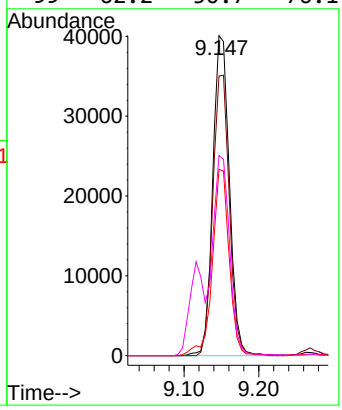


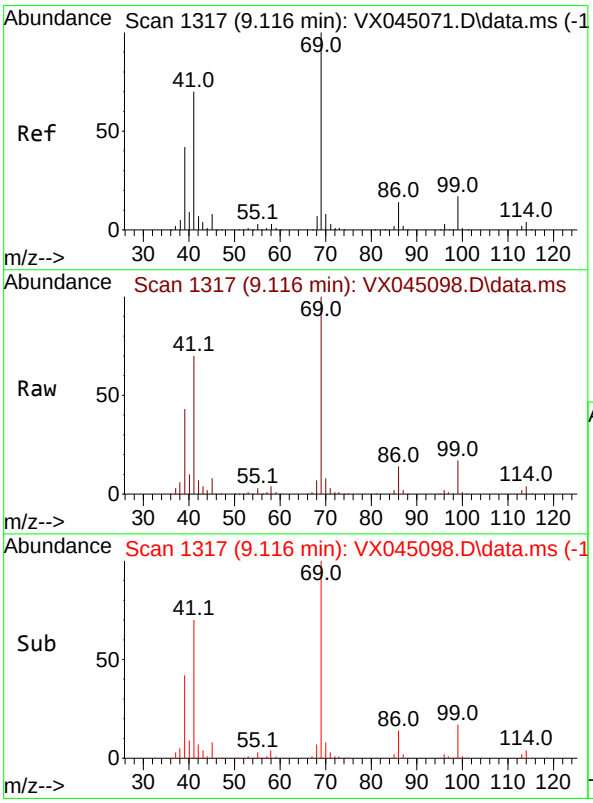
#55
1,1,2-Trichloroethane
Concen: 48.933 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 61955

Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.4	104.2
85	58.2	44.1	66.1
99	62.2	50.7	76.1

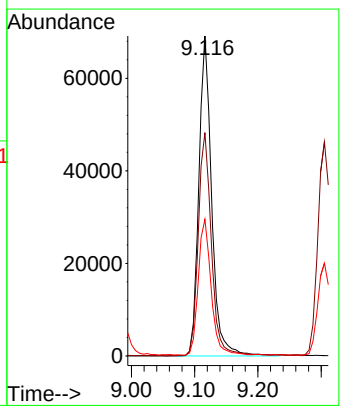


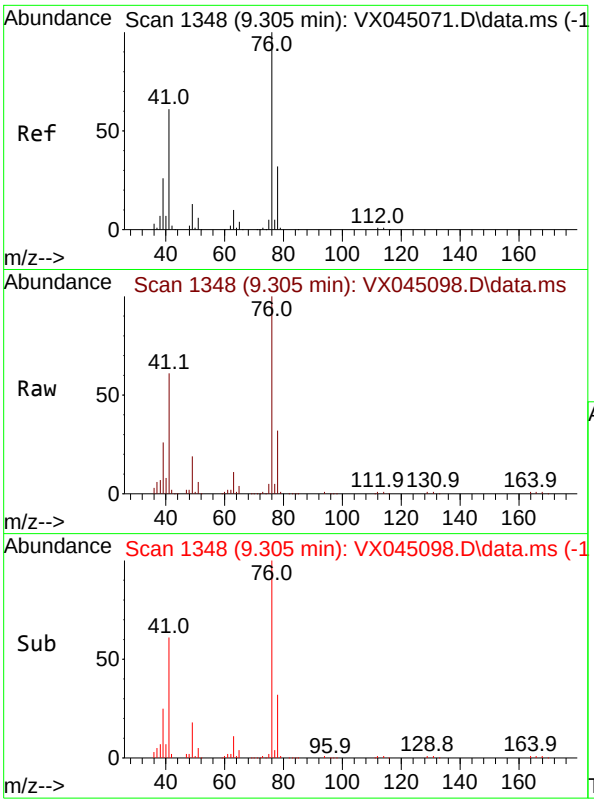


#56
Ethyl methacrylate
Concen: 50.898 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 69 Resp: 97958

Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.0	85.4
39	42.2	34.2	51.4



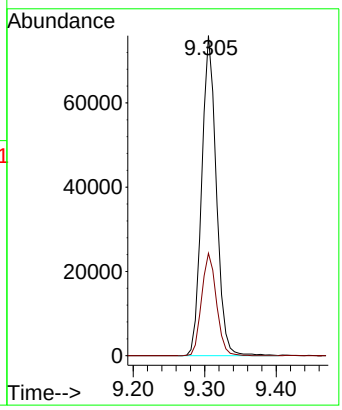


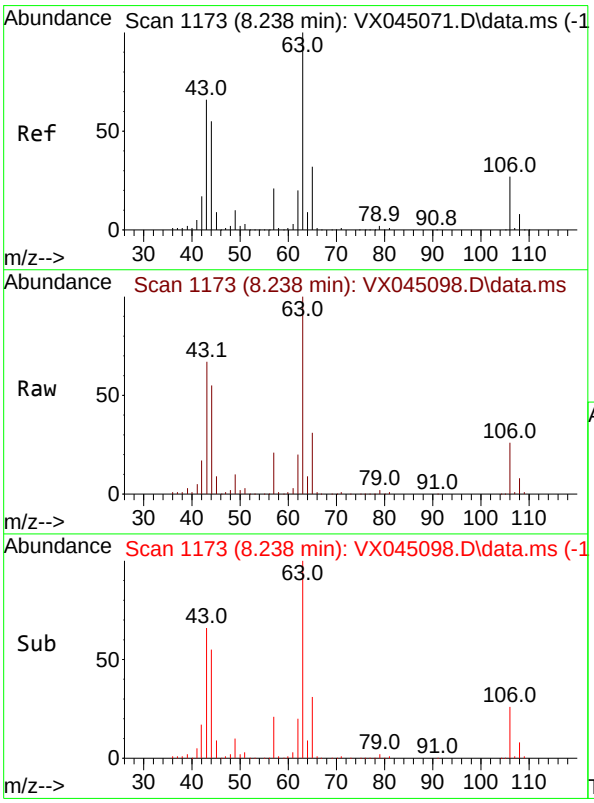
#57
1,3-Dichloropropane
Concen: 49.251 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 107915

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

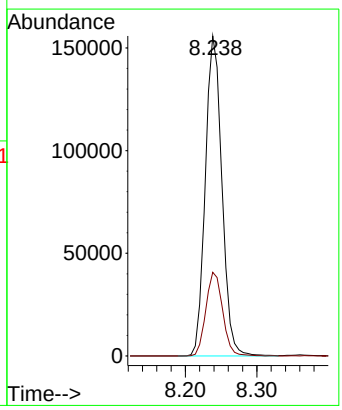


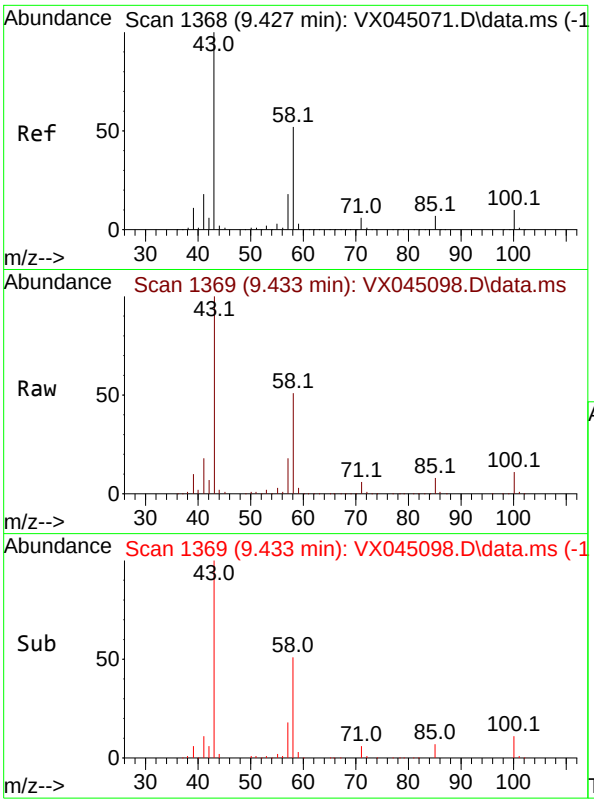


#58
2-Chloroethyl Vinyl ether
Concen: 267.883 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 63 Resp: 251496

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3



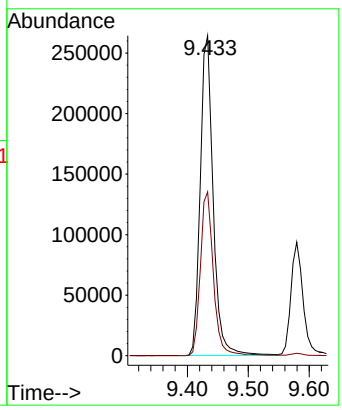


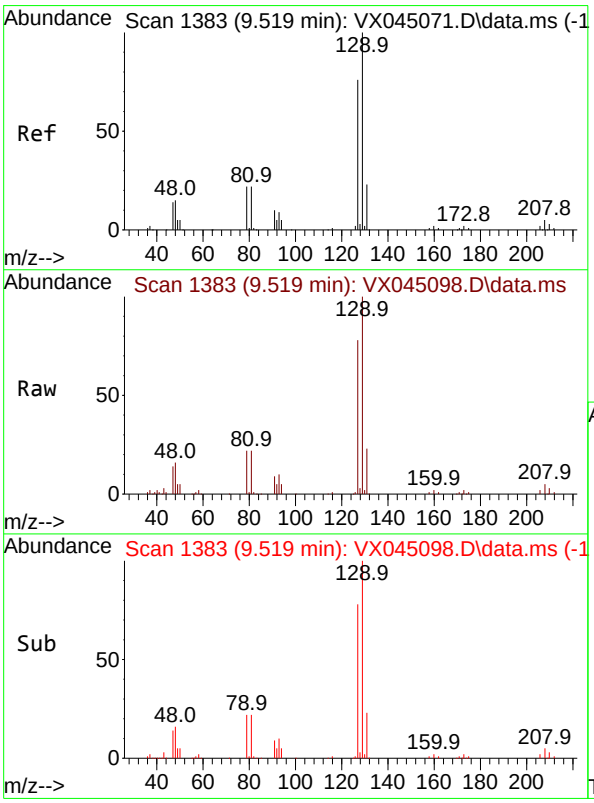
#59
2-Hexanone
Concen: 253.206 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 389623

Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.6

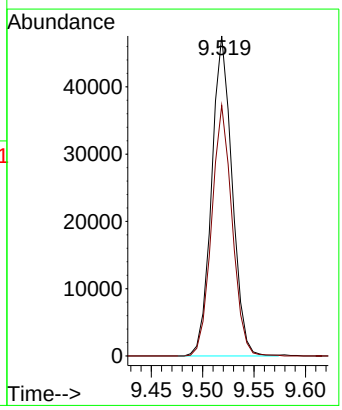


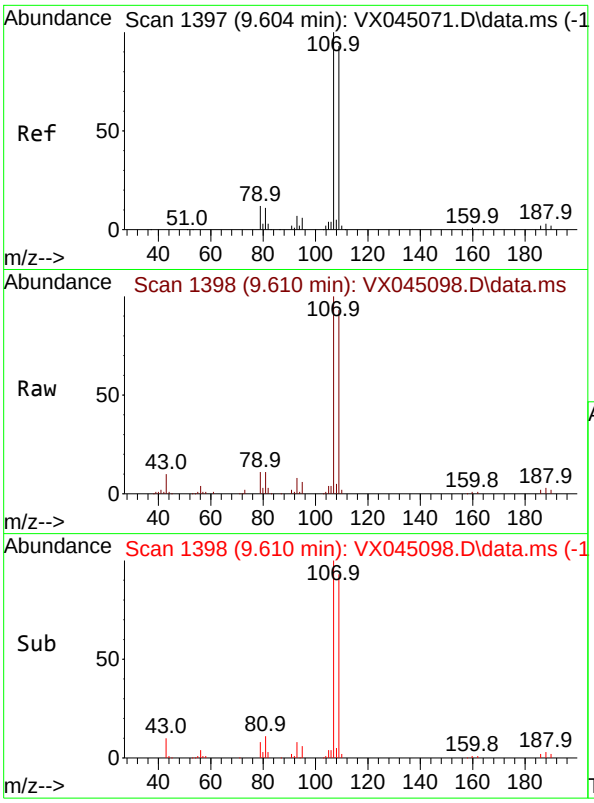


#60
Dibromochloromethane
Concen: 49.736 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:129 Resp: 65842

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.5	115.5



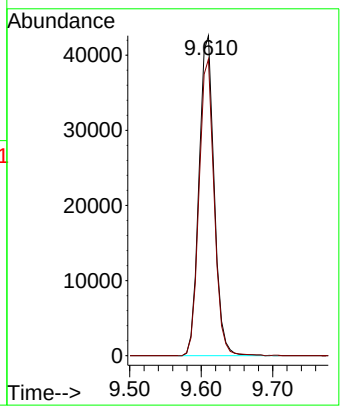


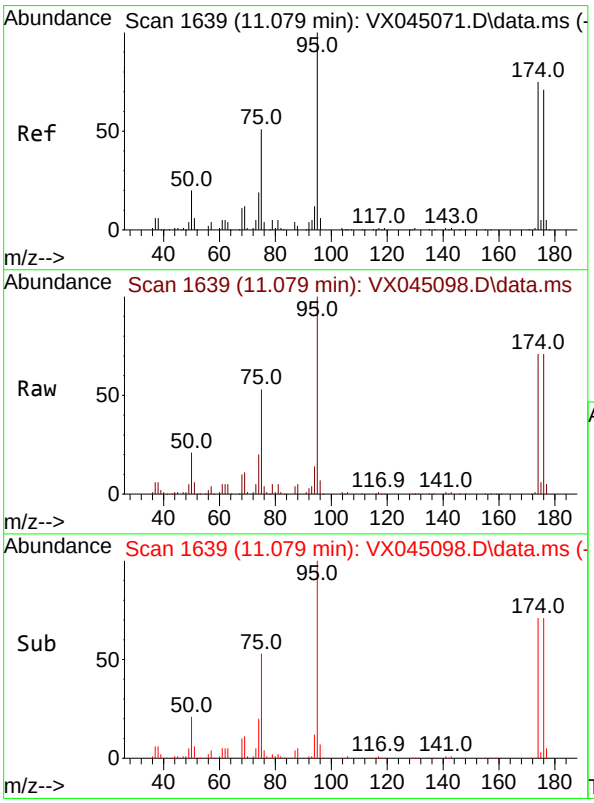
#61
1,2-Dibromoethane
Concen: 49.600 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 62692

Ion	Ratio	Lower	Upper
107	100		
109	92.5	76.1	114.1

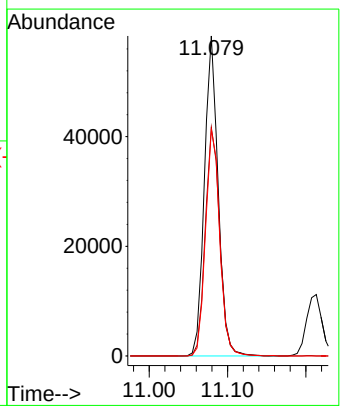


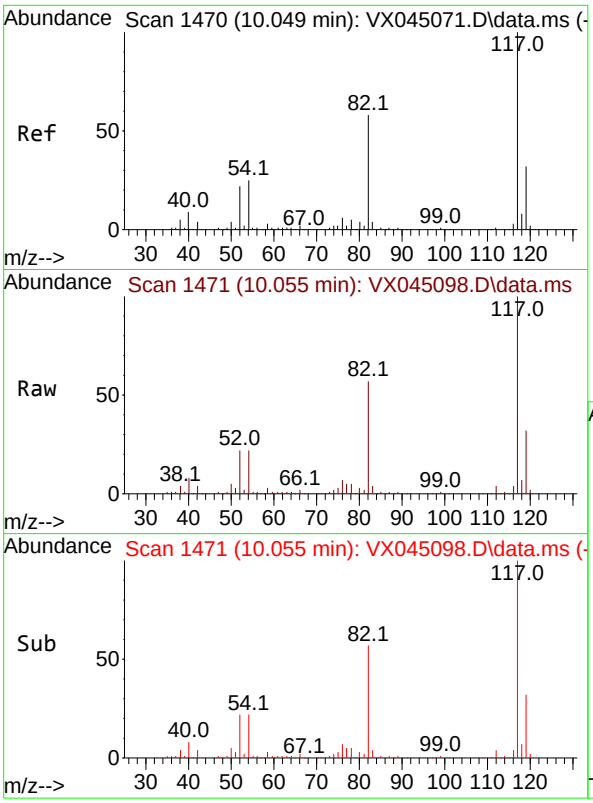


#62
4-Bromofluorobenzene
Concen: 48.831 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 95 Resp: 71007

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	148.2
176	72.9	0.0	141.4



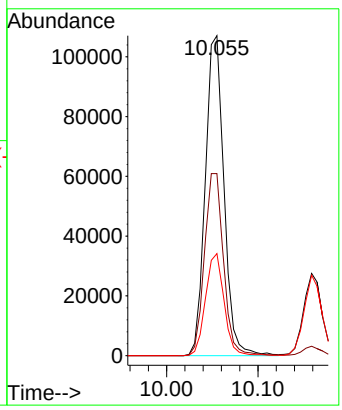


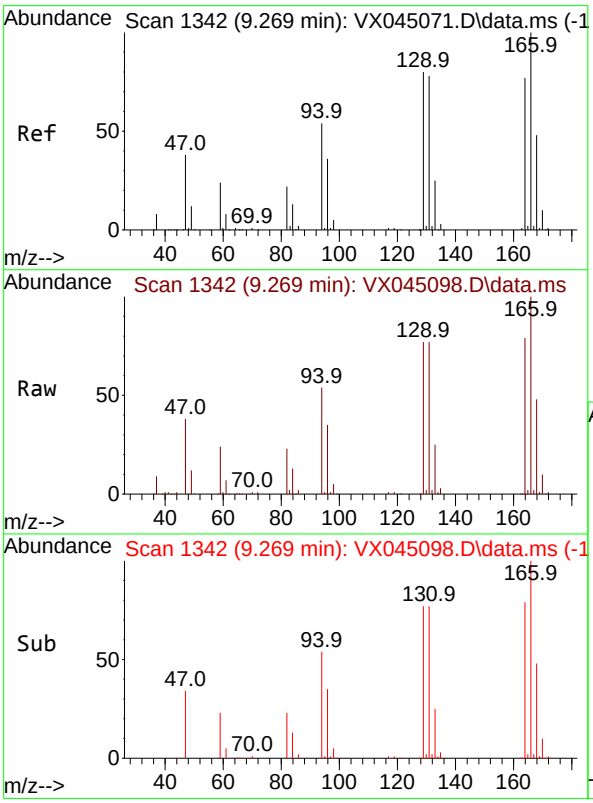
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 151837

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.3	69.5
119	31.9	25.7	38.5

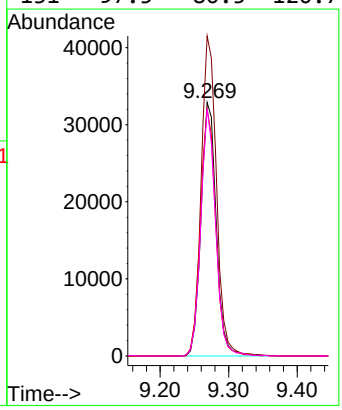


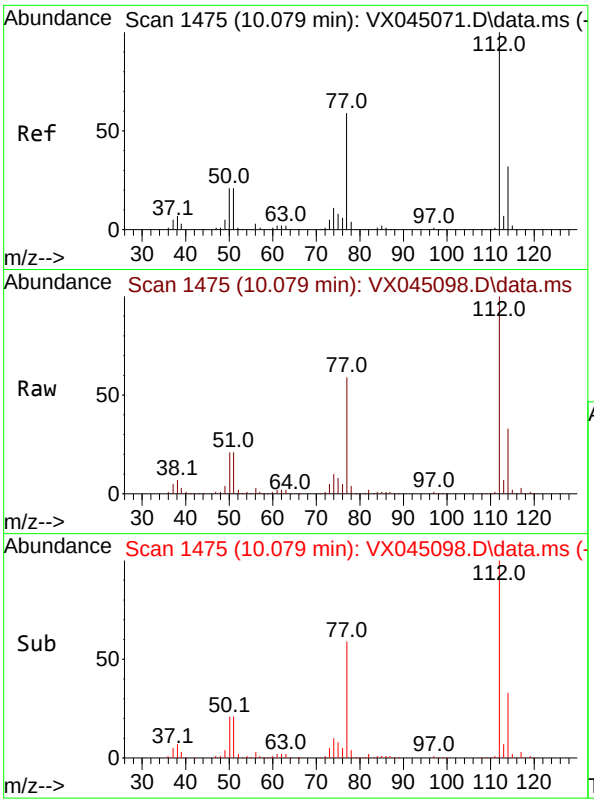


#64
Tetrachloroethene
Concen: 52.227 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:164 Resp: 50788

Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.6	155.4
129	97.4	82.7	124.1
131	97.5	80.5	120.7



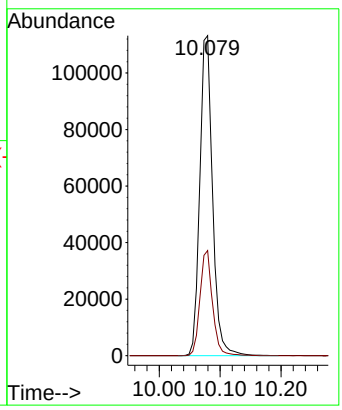


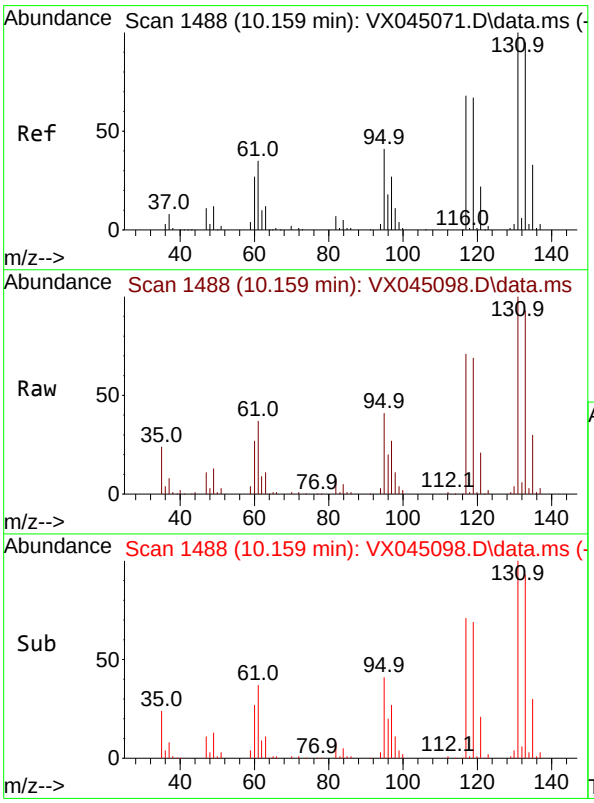
#65
Chlorobenzene
Concen: 51.239 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 164623

Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.0	39.0

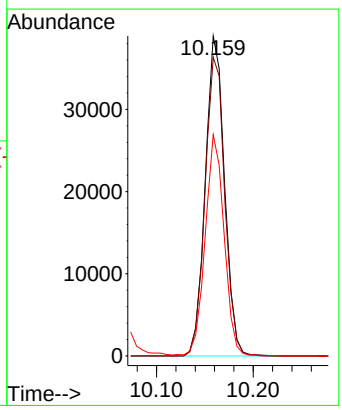


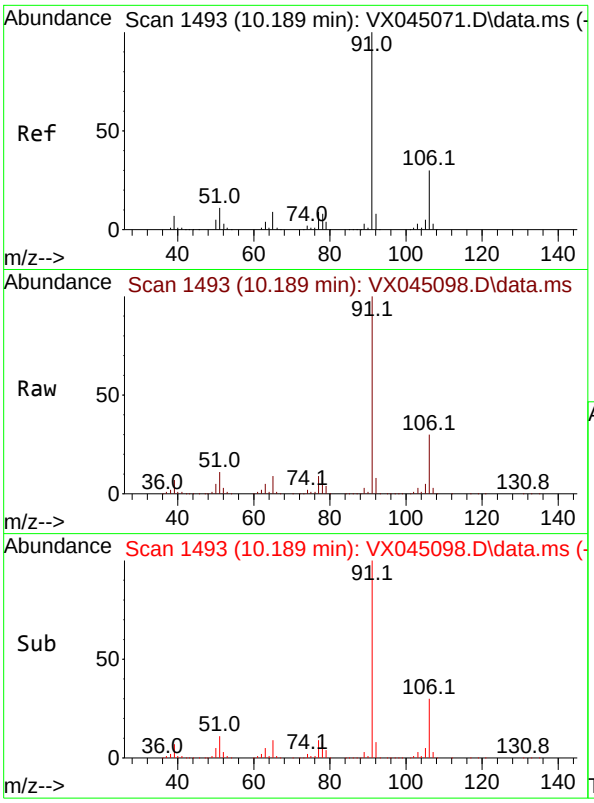


#66
1,1,1,2-Tetrachloroethane
Concen: 50.382 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:131 Resp: 53906

Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.6	145.9
119	68.0	33.9	101.7



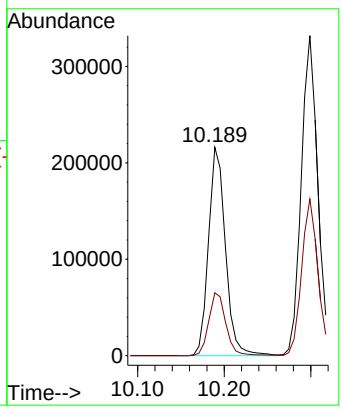


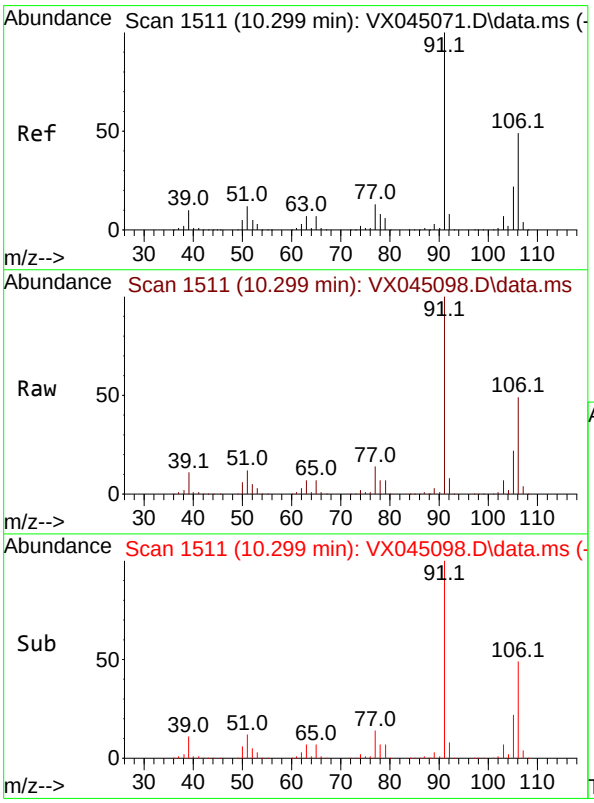
#67
Ethyl Benzene
Concen: 52.678 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 294898

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.9	35.9

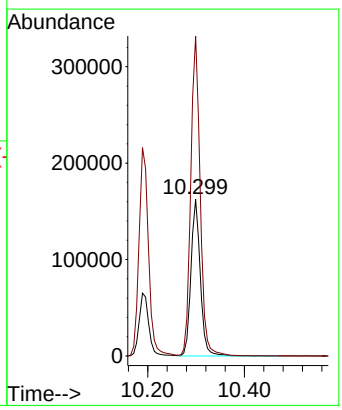


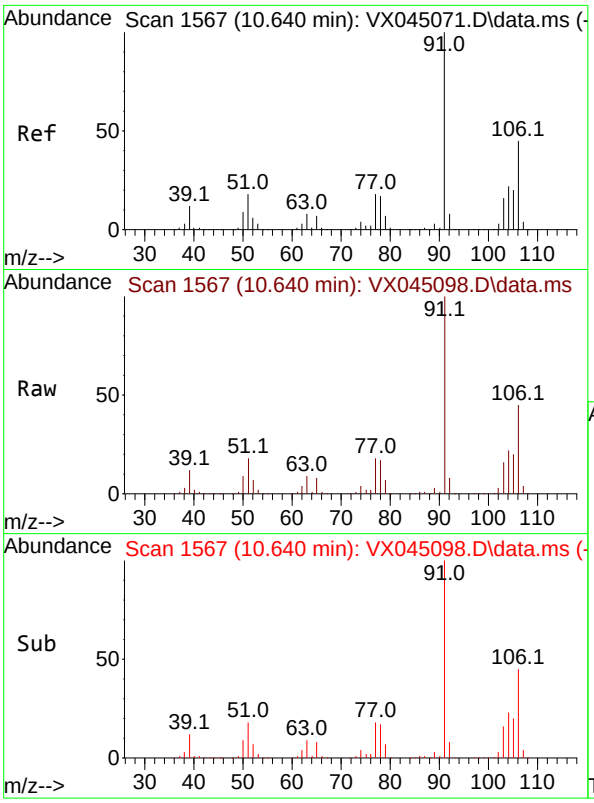


#68
m/p-Xylenes
Concen: 106.271 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:106 Resp: 217787

Ion	Ratio	Lower	Upper
106	100		
91	206.1	165.4	248.0



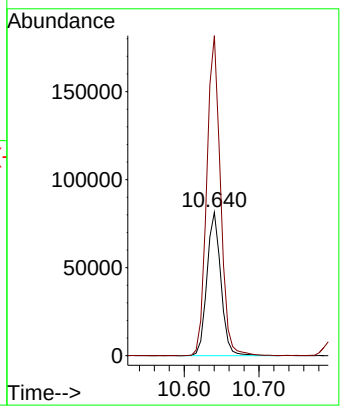


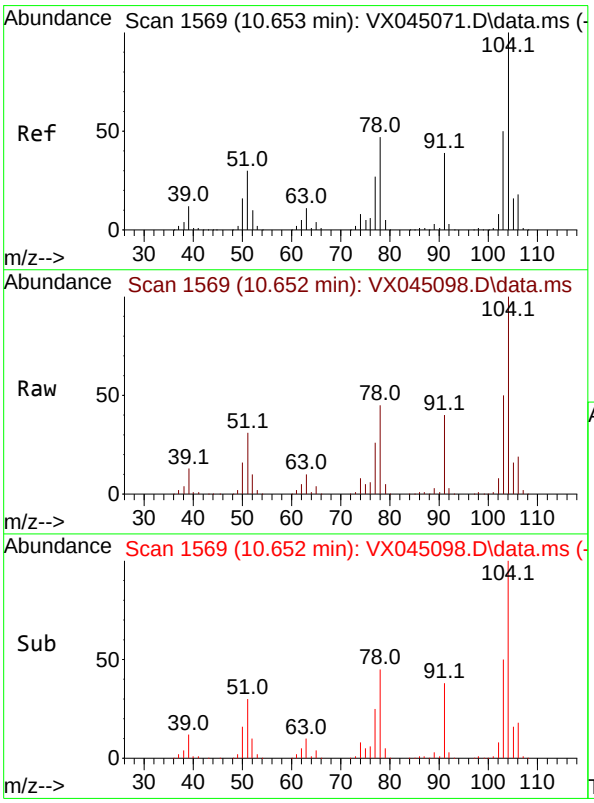
#69
o-Xylene
Concen: 50.972 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 105354

Ion	Ratio	Lower	Upper
106	100		
91	220.4	109.9	329.6

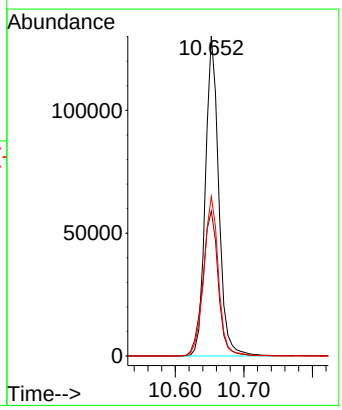


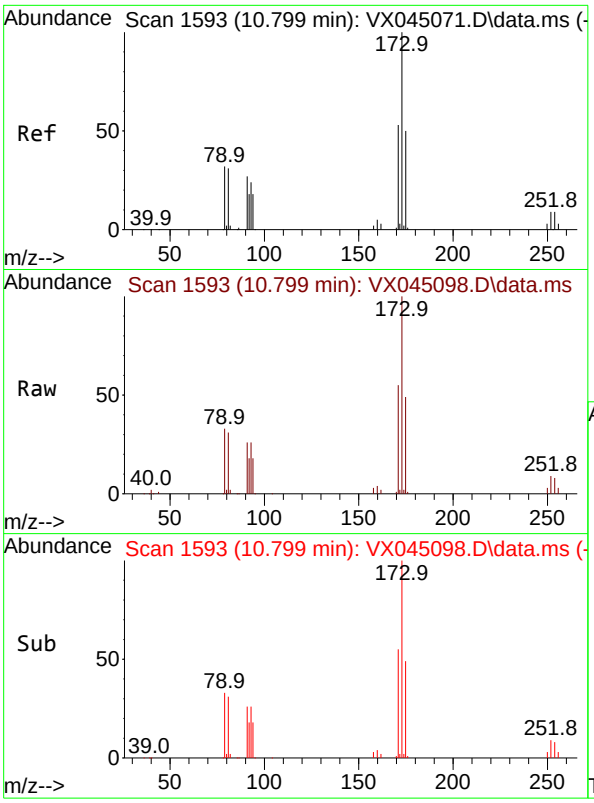


#70
Styrene
Concen: 52.954 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:104 Resp: 177099

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.2	63.4
103	54.6	43.8	65.8



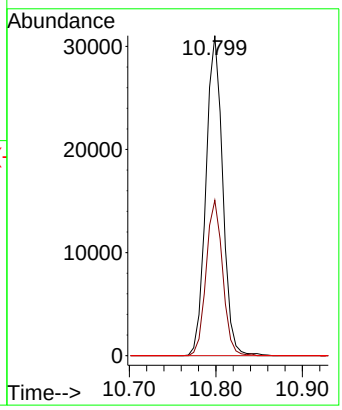


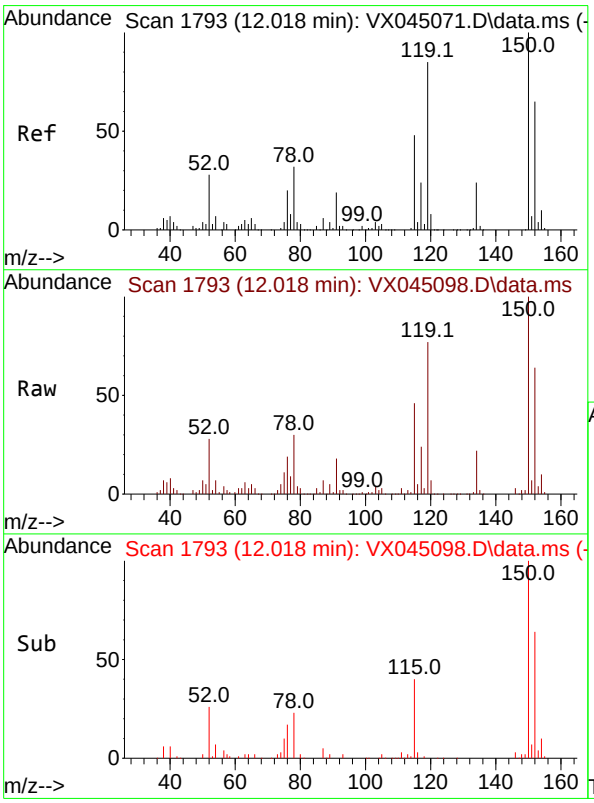
#71
Bromoform
Concen: 51.664 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 41684

Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.6	73.6
254	0.0	0.0	0.0

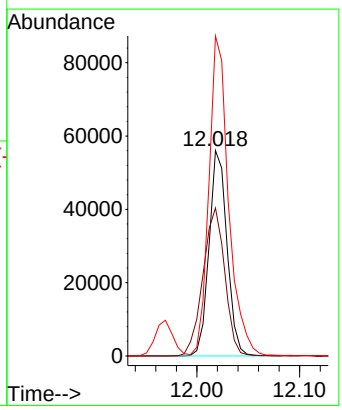


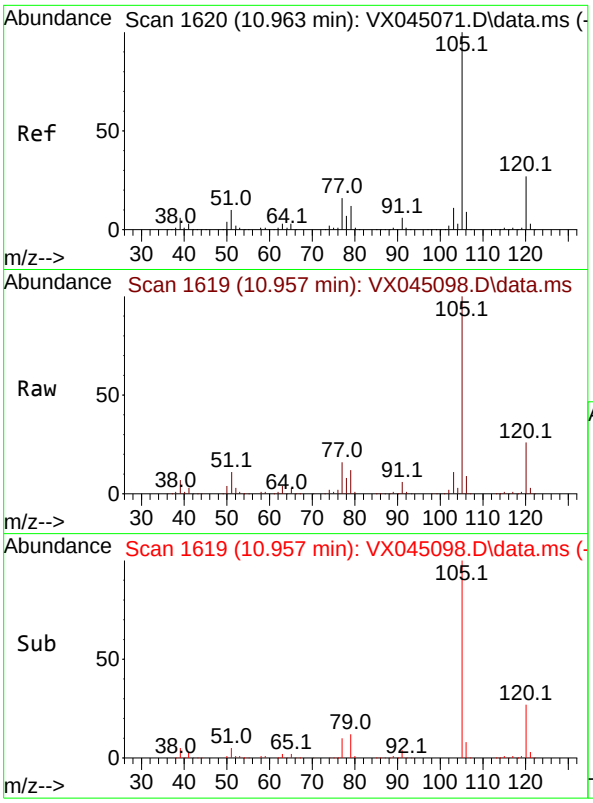


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:152 Resp: 67962

Ion	Ratio	Lower	Upper
152	100		
115	88.0	44.2	132.6
150	171.3	0.0	349.0



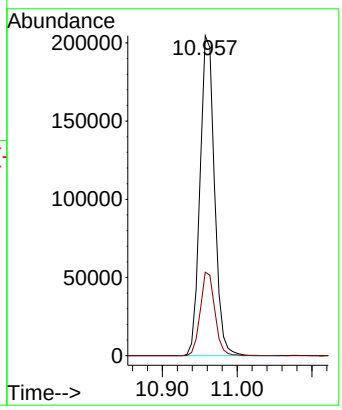


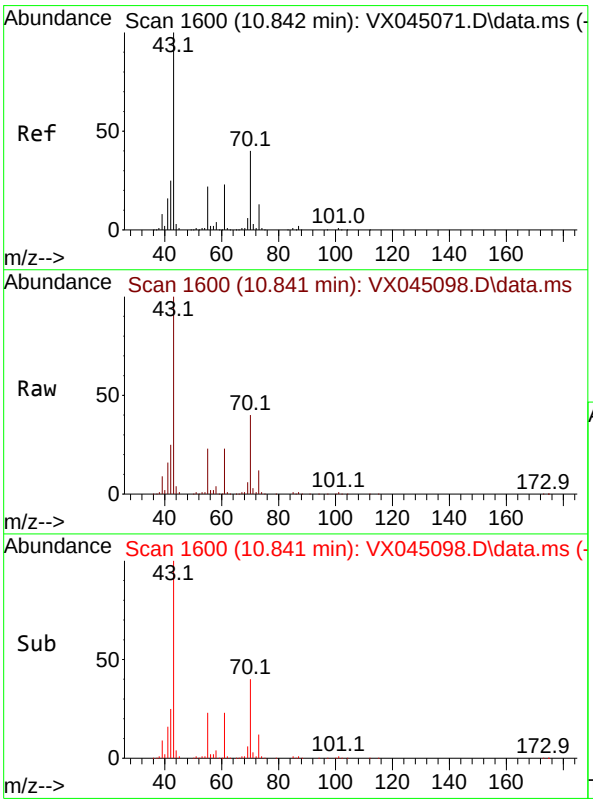
#73
Isopropylbenzene
Concen: 51.833 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 274956

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

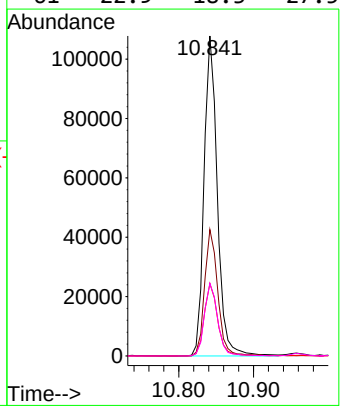


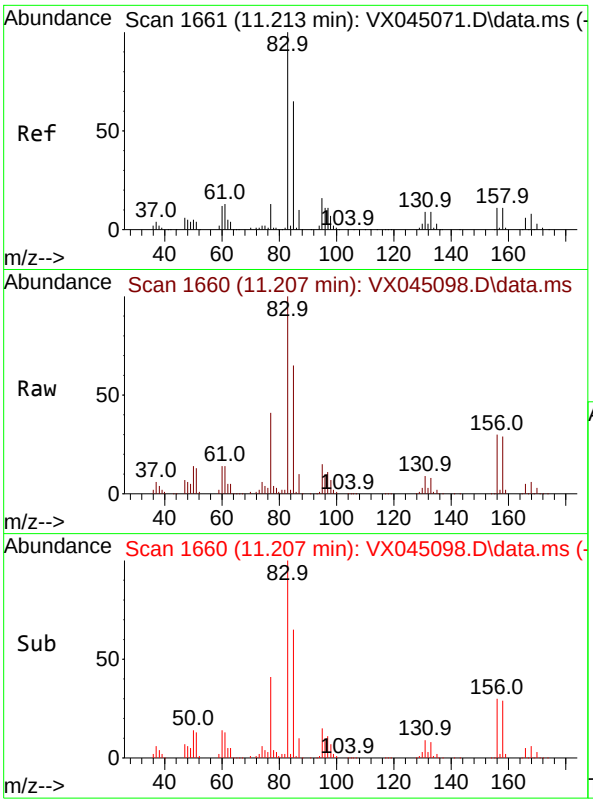


#74
N-amyl acetate
Concen: 53.399 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 132916

Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.8	47.6
55	23.1	18.3	27.5
61	22.9	18.3	27.5



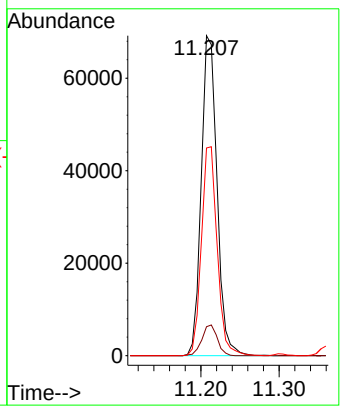


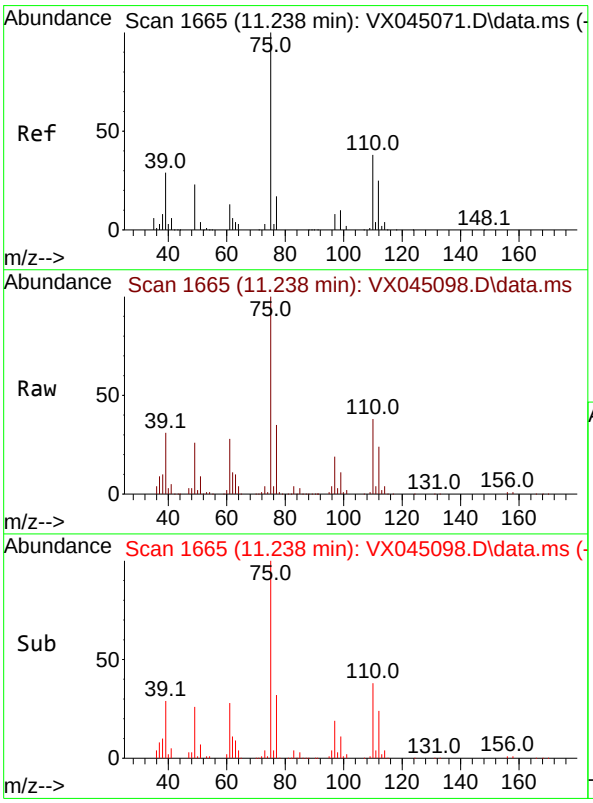
#75
1,1,2,2-Tetrachloroethane
Concen: 49.649 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 96646

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	65.3	31.7	95.1

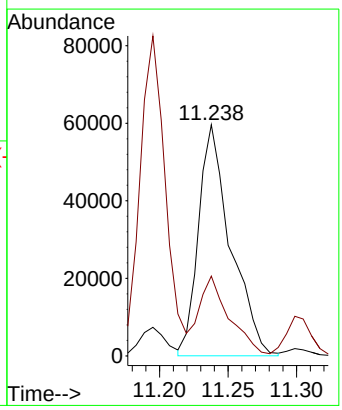


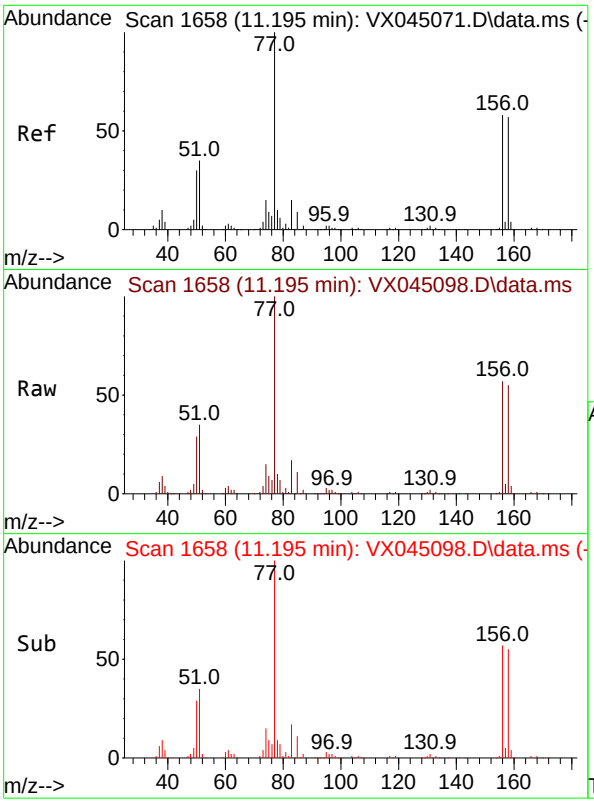


#76
1,2,3-Trichloropropane
Concen: 61.525 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 97322

Ion	Ratio	Lower	Upper
75	100		
77	32.7	20.7	62.1



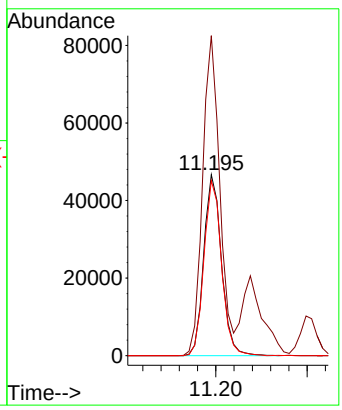


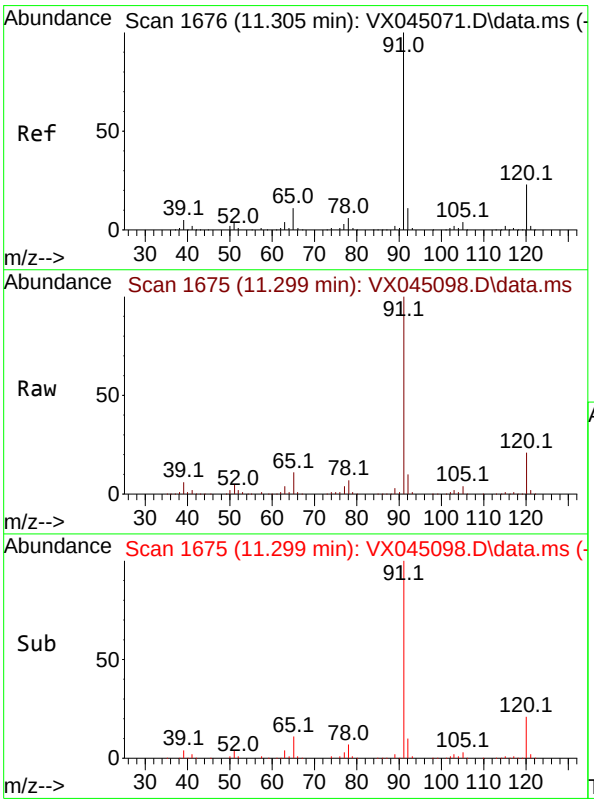
#77
Bromobenzene
Concen: 49.973 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 62546

Ion	Ratio	Lower	Upper
156	100		
77	171.3	85.8	257.4
158	96.2	48.4	145.2

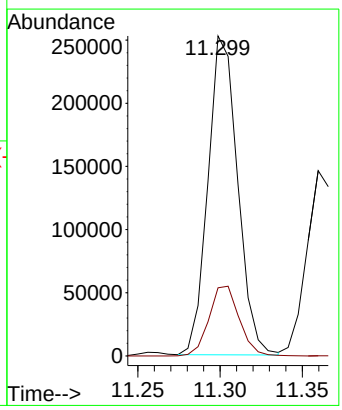


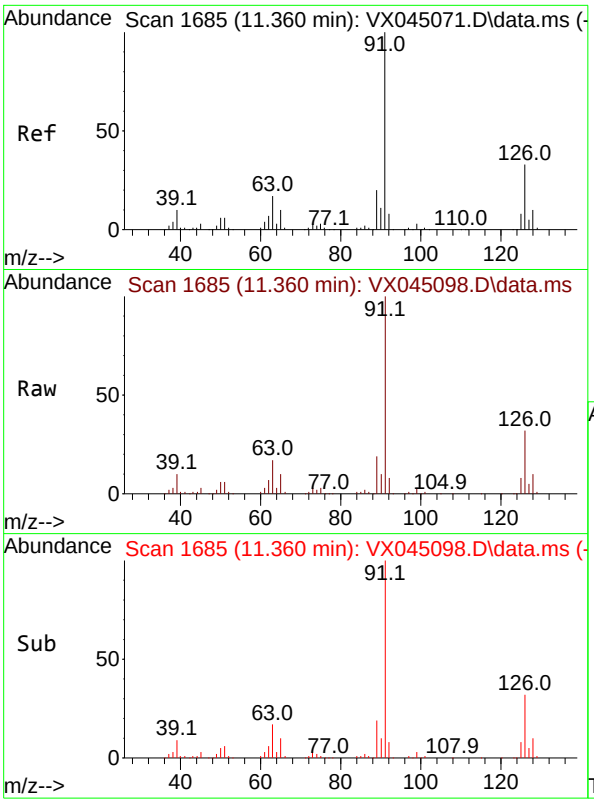


#78
n-propylbenzene
Concen: 52.873 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 91 Resp: 316831

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6



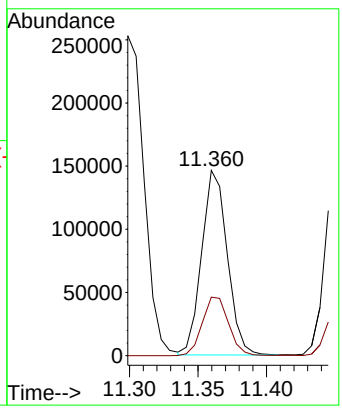


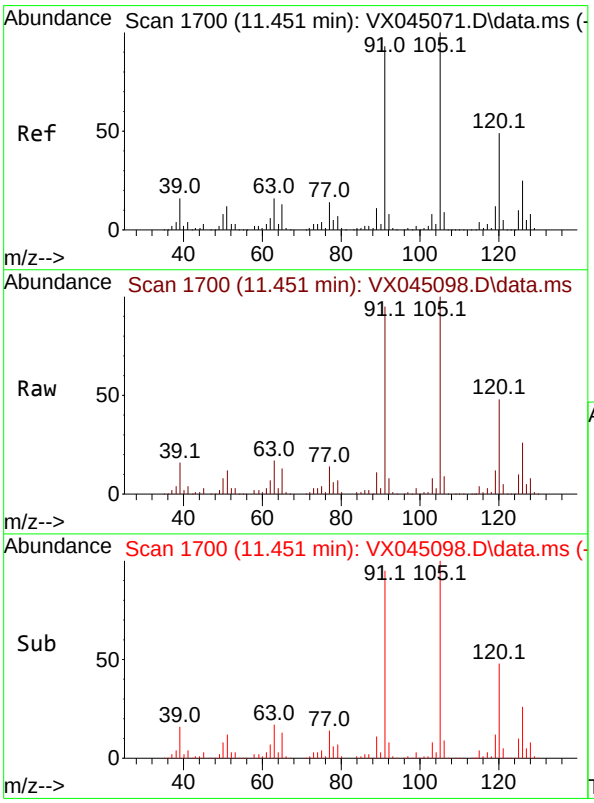
#79
2-Chlorotoluene
Concen: 49.764 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 189914

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

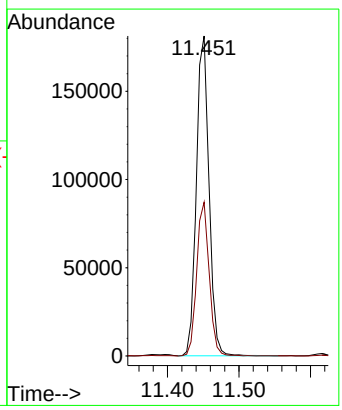


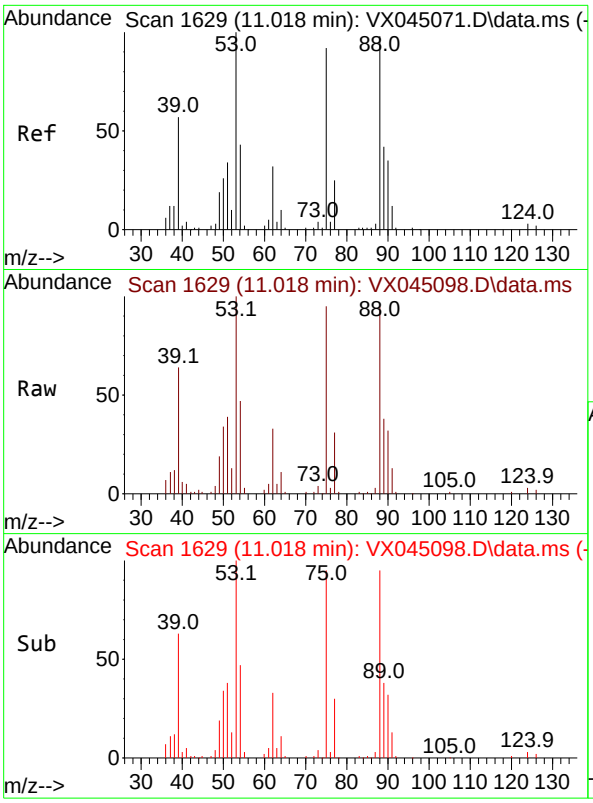


#80
1,3,5-Trimethylbenzene
Concen: 51.725 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:105 Resp: 221858

Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.1	72.2



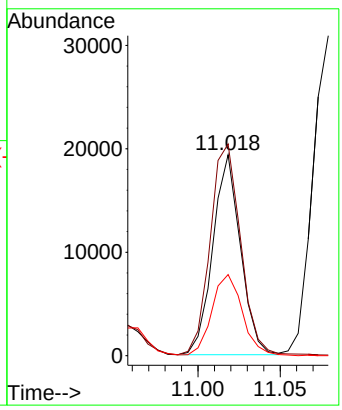


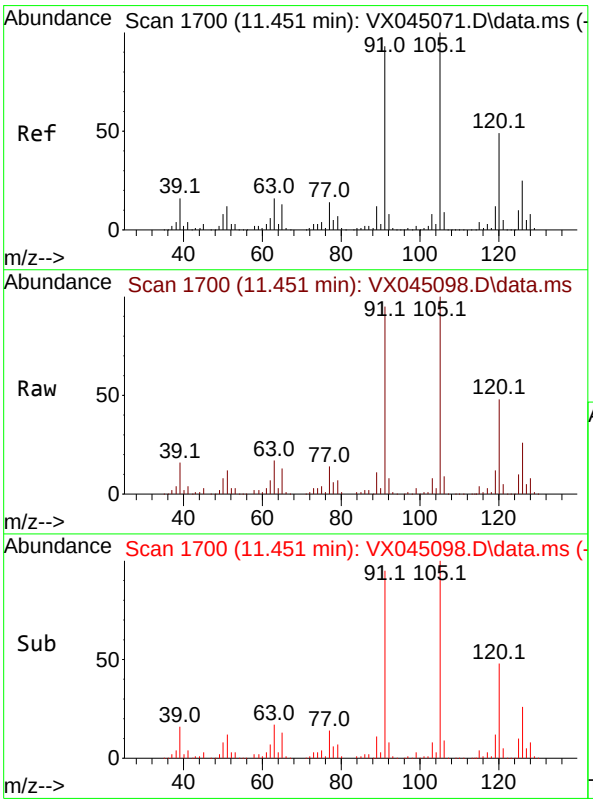
#81
trans-1,4-Dichloro-2-butene
Concen: 48.890 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 22598

Ion	Ratio	Lower	Upper
75	100		
53	117.7	88.5	132.7
89	45.0	36.2	54.4

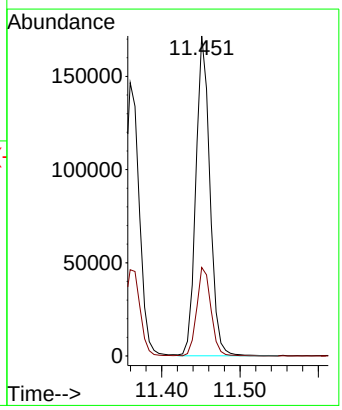


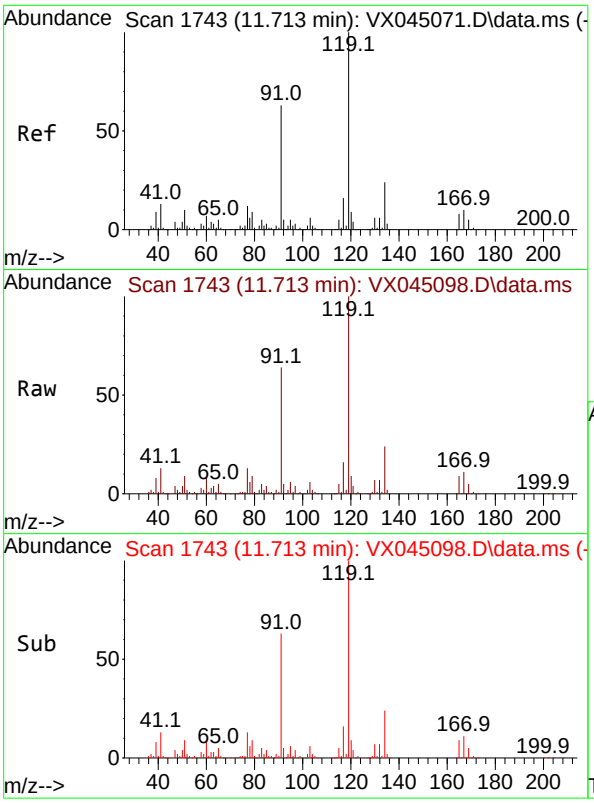


#82
4-Chlorotoluene
Concen: 51.409 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 91 Resp: 213820

Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.4



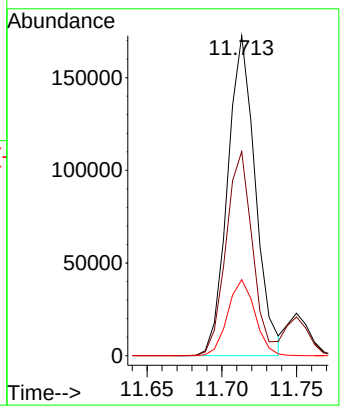


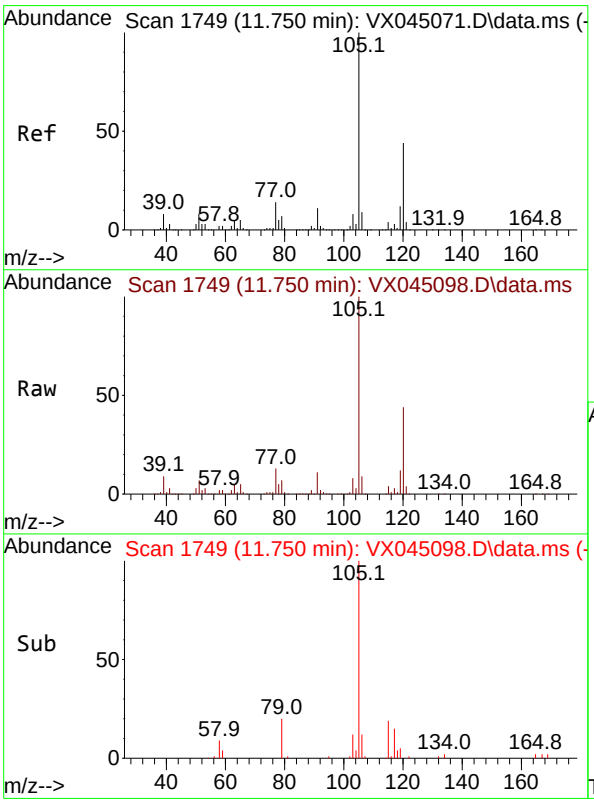
#83
tert-Butylbenzene
Concen: 50.511 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 222604

Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.7	92.1
134	23.3	11.7	35.0

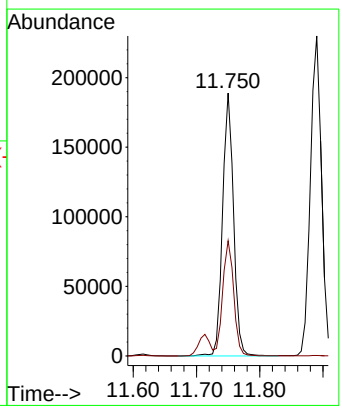


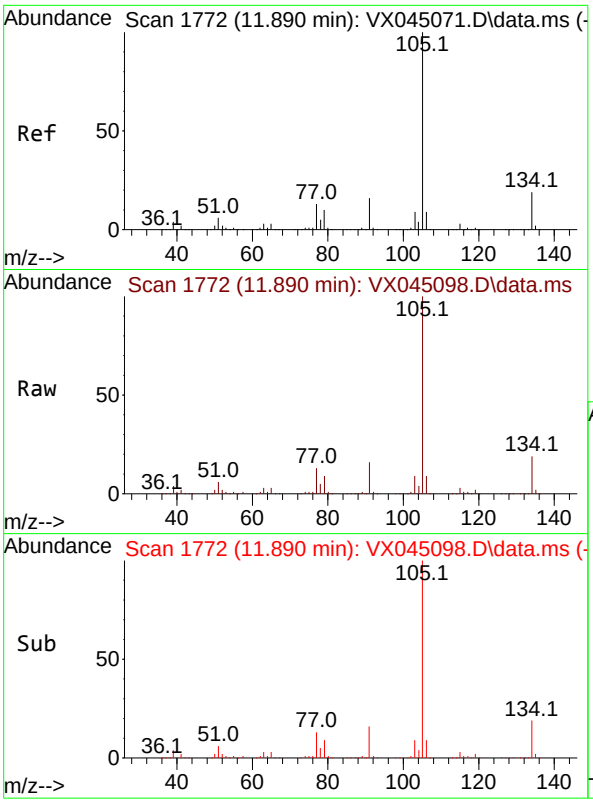


#84
1,2,4-Trimethylbenzene
Concen: 52.432 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:105 Resp: 226285

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



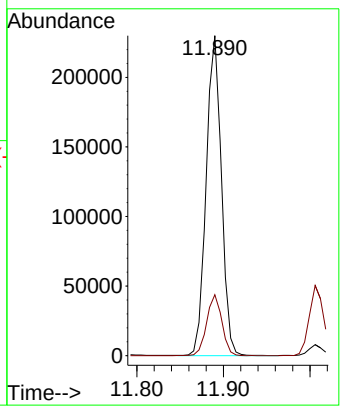


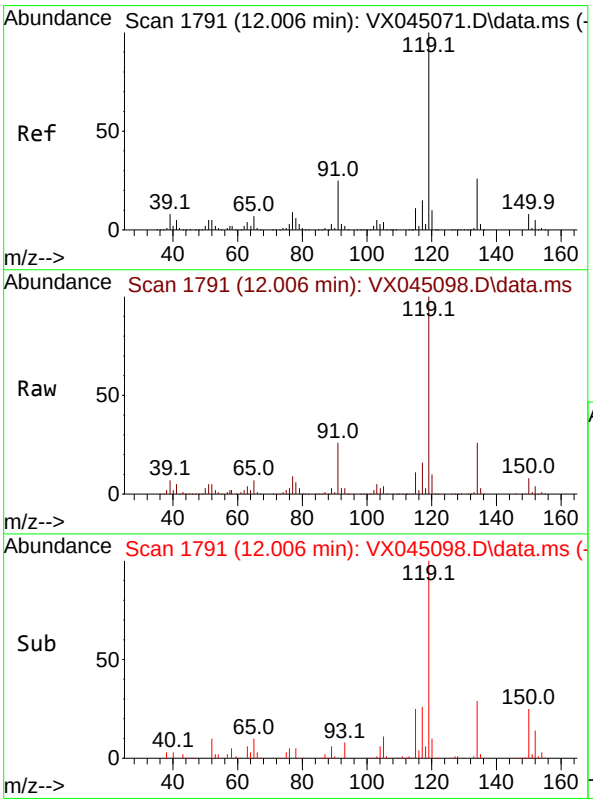
#85
sec-Butylbenzene
Concen: 53.152 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 280591

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.4

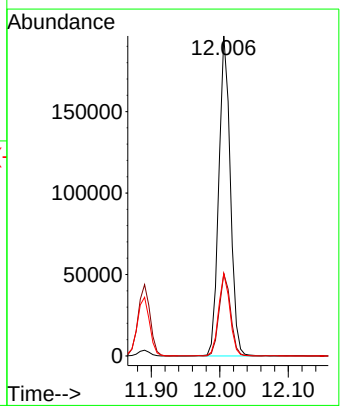


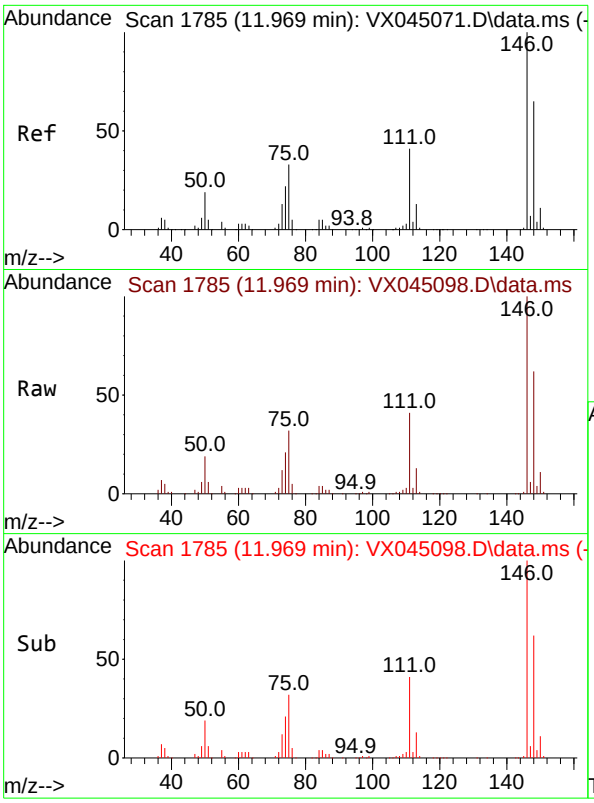


#86
p-Isopropyltoluene
Concen: 53.355 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:119 Resp: 227625

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.3	12.7	38.0



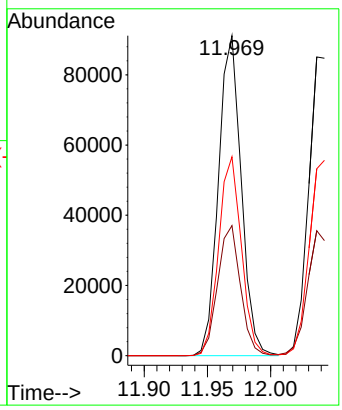


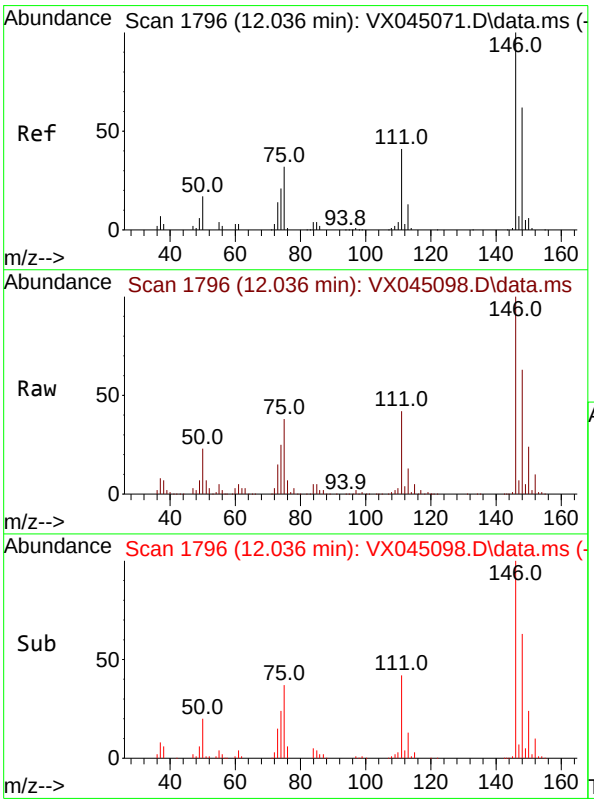
#87
1,3-Dichlorobenzene
Concen: 51.054 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 113992

Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.4
148	62.1	31.9	95.7

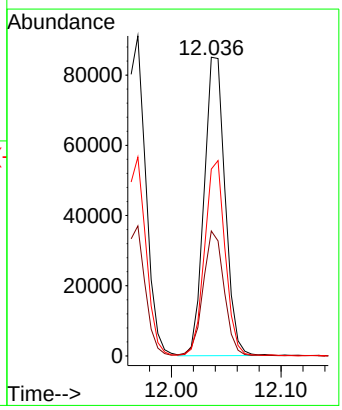


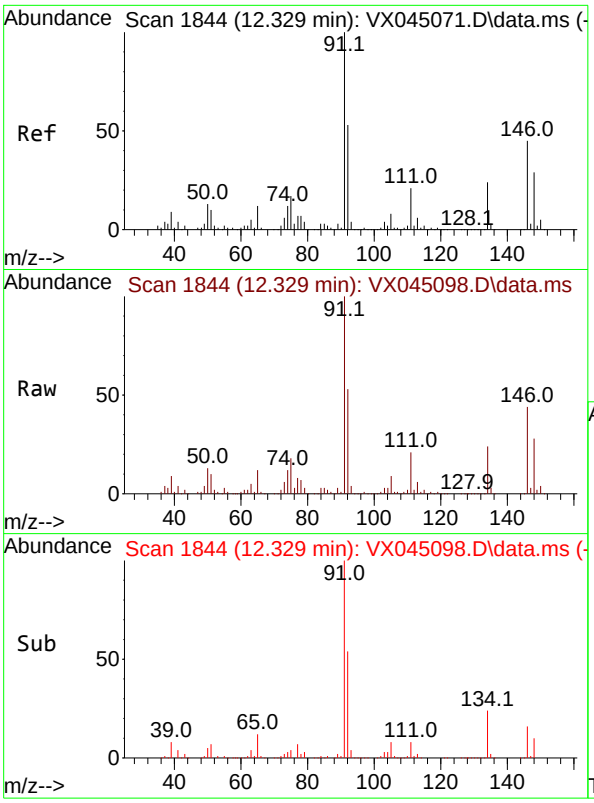


#88
1,4-Dichlorobenzene
Concen: 49.967 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:146 Resp: 112871

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.2	60.5
148	63.9	31.9	95.9



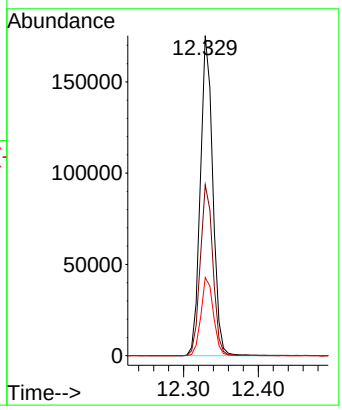


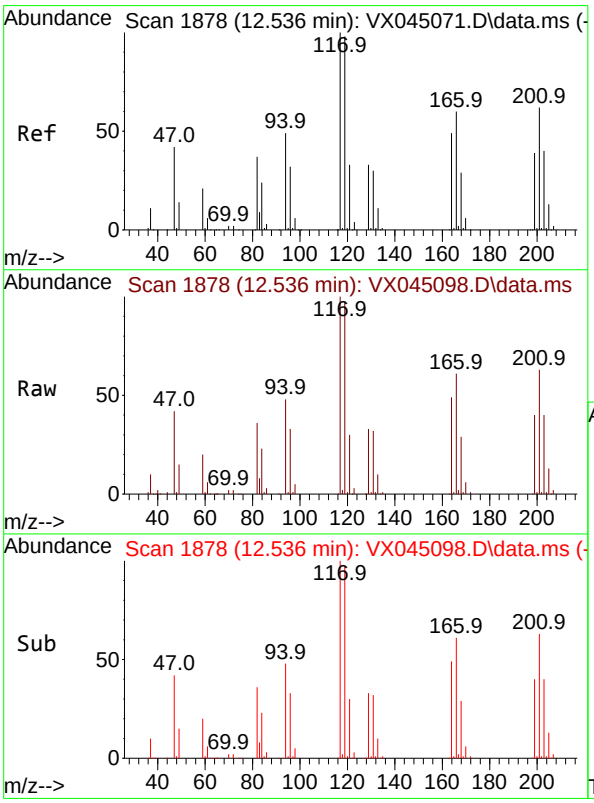
#89
n-Butylbenzene
Concen: 55.087 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 202412

Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.6	12.2	36.6

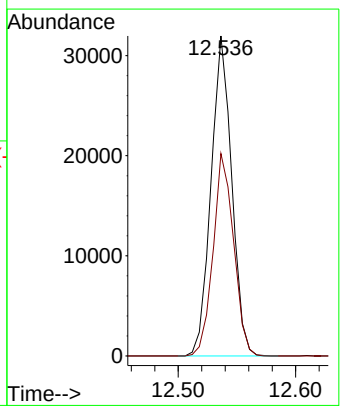


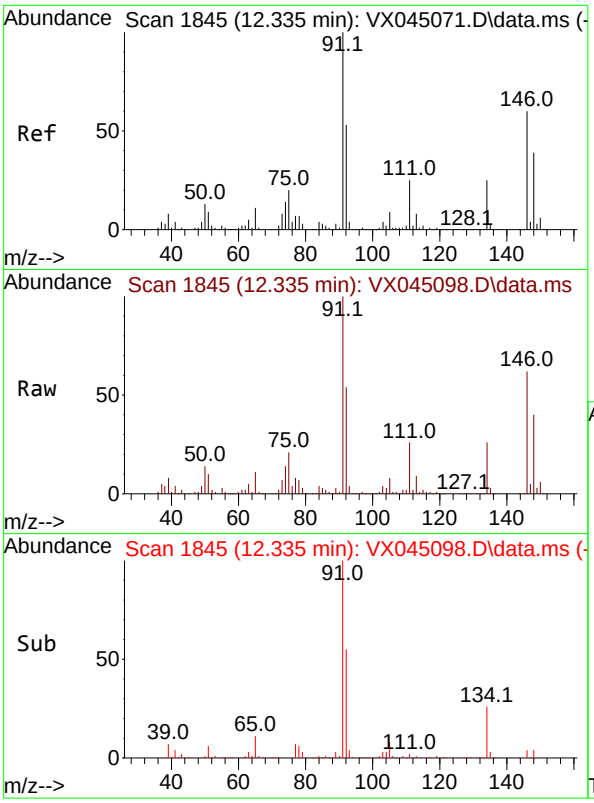


#90
Hexachloroethane
Concen: 50.675 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:117 Resp: 39104

Ion	Ratio	Lower	Upper
117	100		
201	62.8	31.9	95.9



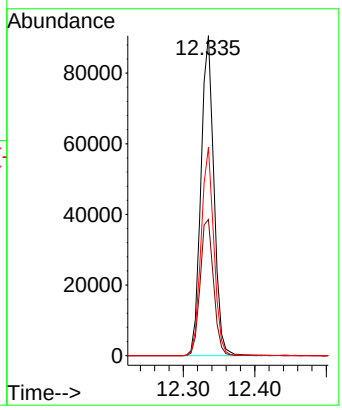


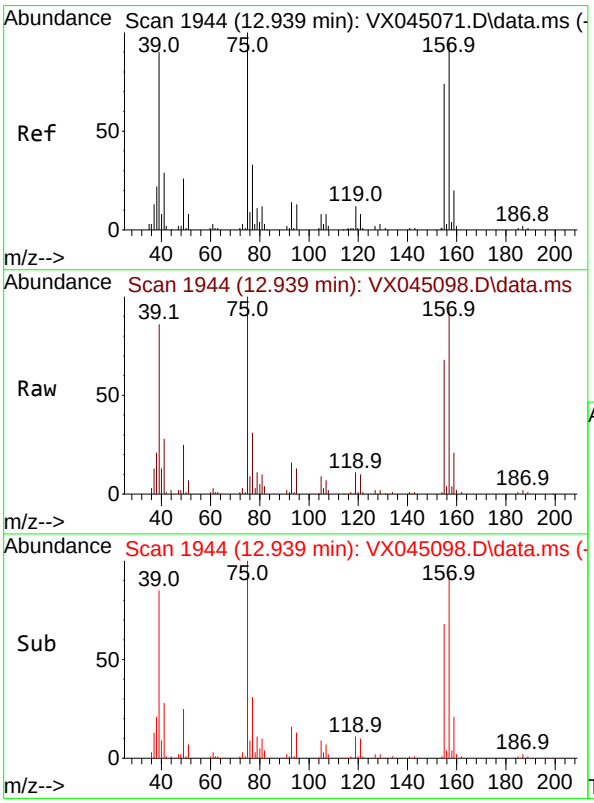
#91
1,2-Dichlorobenzene
Concen: 50.999 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 114225

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	64.2	31.9	95.9

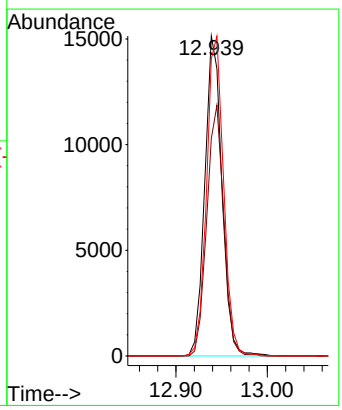


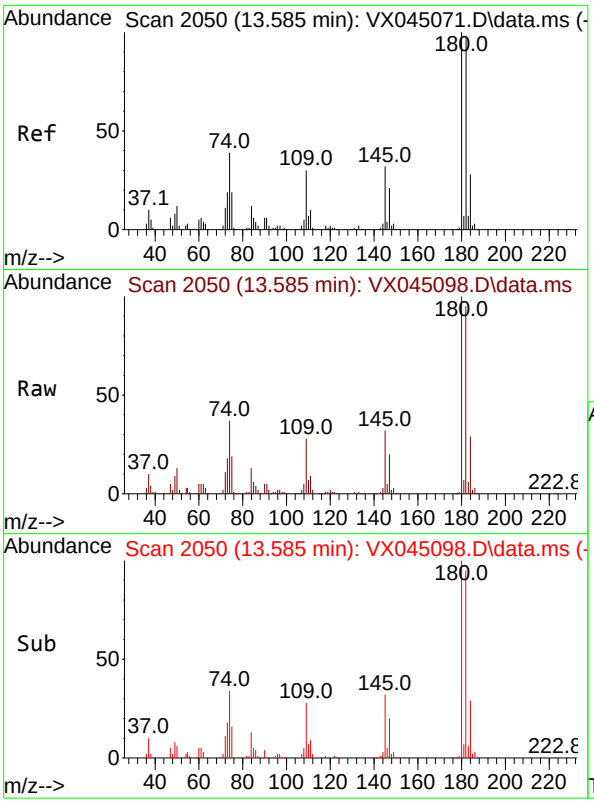


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.657 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 19590

Ion	Ratio	Lower	Upper
75	100		
155	78.1	39.6	118.7
157	99.5	51.1	153.4



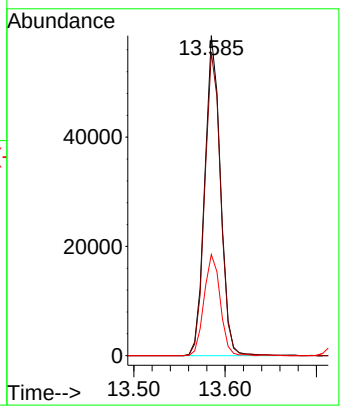


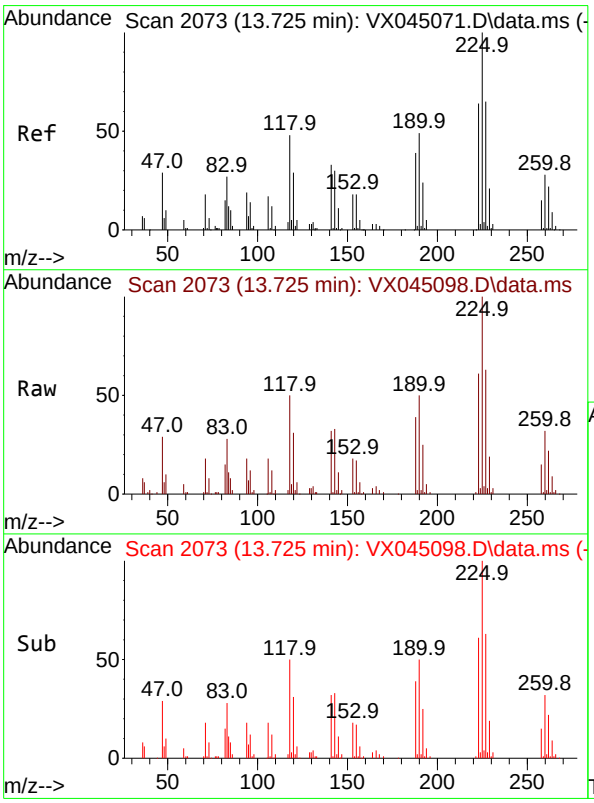
#93
1,2,4-Trichlorobenzene
Concen: 54.709 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 69773

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.9
145	32.5	16.3	48.9

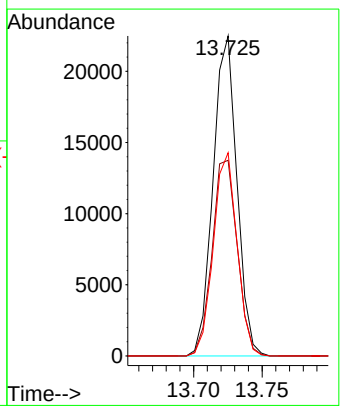


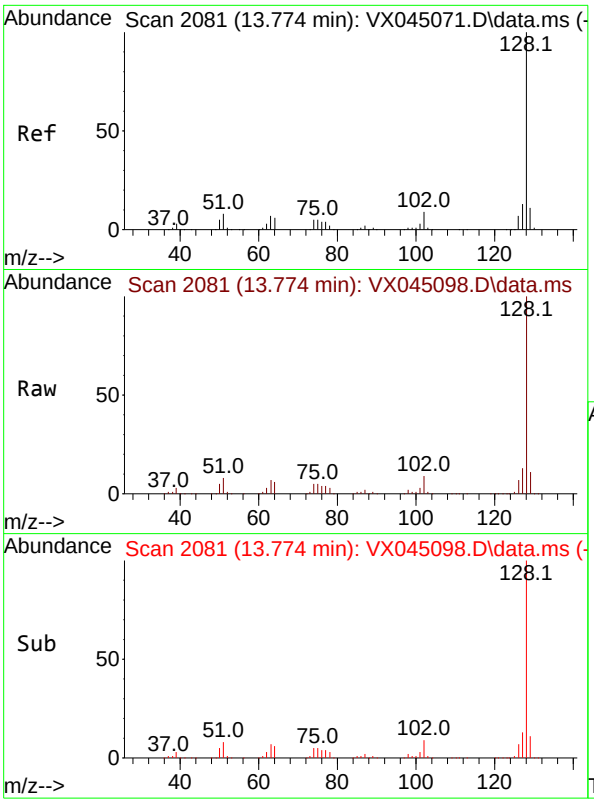


#94
Hexachlorobutadiene
Concen: 51.956 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:225 Resp: 27166

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.7
227	63.1	31.4	94.0



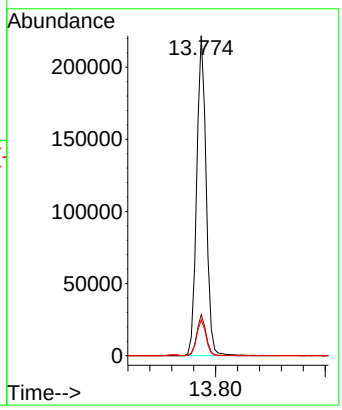


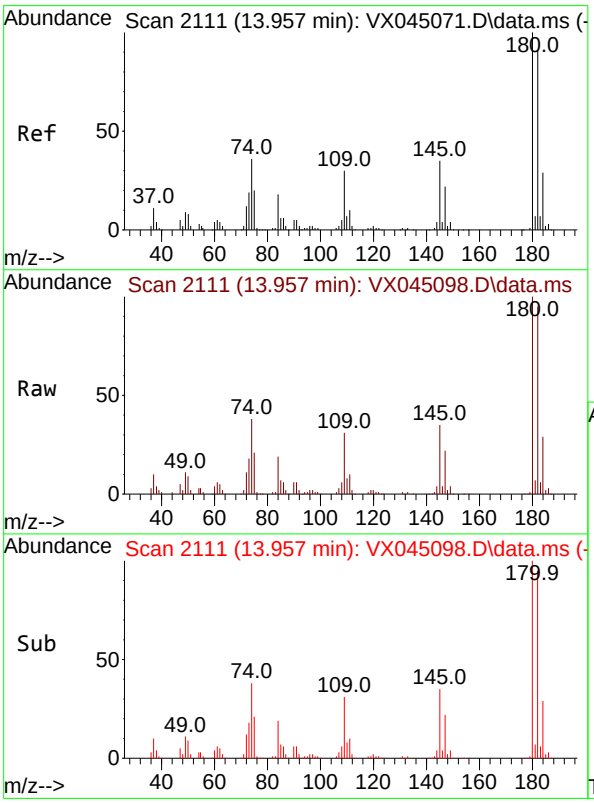
#95
Naphthalene
Concen: 54.575 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 267416

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	11.0	8.7	13.1

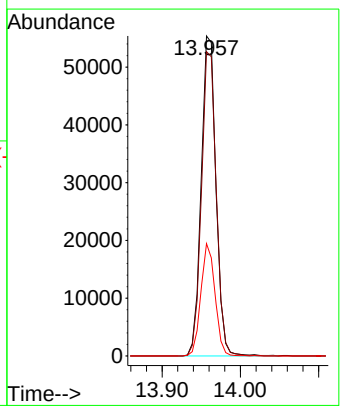




#96
1,2,3-Trichlorobenzene
Concen: 53.829 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:180 Resp: 72423

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	33.7	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	177514	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	289913	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	247837	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	118690	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	12088	6.003	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.000%#			
35) Dibromofluoromethane	7.634	113	10715	5.637	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.280%#			
50) Toluene-d8	10.103	98	41158	5.603	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	11.200%#			
62) 4-Bromofluorobenzene	12.408	95	14192	5.741	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.480%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	9045	5.374	ug/l		99
3) Chloromethane	2.068	50	12591	5.793	ug/l		97
4) Vinyl Chloride	2.202	62	11497	5.389	ug/l		93
5) Bromomethane	2.598	94	8962	6.321	ug/l		99
6) Chloroethane	2.733	64	7351	5.556	ug/l		99
7) Trichlorofluoromethane	3.056	101	17319	5.375	ug/l	#	83
8) Diethyl Ether	3.458	74	4897	5.064	ug/l		89
9) 1,1,2-Trichlorotrifluo...	3.806	101	9686	5.193	ug/l		96
10) Methyl Iodide	4.001	142	8728	4.447	ug/l		99
11) Tert butyl alcohol	4.848	59	5165	33.345	ug/l	#	84
12) 1,1-Dichloroethene	3.787	96	9671	5.415	ug/l		90
13) Acrolein	3.647	56	5798	48.848	ug/l		99
14) Allyl chloride	4.379	41	16498	5.210	ug/l		99
15) Acrylonitrile	5.055	53	10830	25.330	ug/l		98
16) Acetone	3.866	43	10823	28.018	ug/l		99
17) Carbon Disulfide	4.104	76	31953	5.387	ug/l		99
18) Methyl Acetate	4.391	43	5062	5.362	ug/l	#	54
19) Methyl tert-butyl Ether	5.110	73	23290	4.935	ug/l		100
20) Methylene Chloride	4.610	84	13003	6.225	ug/l		93
21) trans-1,2-Dichloroethene	5.110	96	10455	5.317	ug/l		98
22) Diisopropyl ether	6.012	45	32640	4.981	ug/l	#	86
23) Vinyl Acetate	5.958	43	94244	24.067	ug/l		99
24) 1,1-Dichloroethane	5.915	63	19538	5.290	ug/l		98
25) 2-Butanone	6.890	43	14341	24.599	ug/l	#	88
26) 2,2-Dichloropropane	6.884	77	18391	5.488	ug/l		100
27) cis-1,2-Dichloroethene	6.890	96	11522	5.132	ug/l		97
28) Bromochloromethane	7.244	49	9318	5.702	ug/l		99
29) Tetrahydrofuran	7.262	42	9319	24.455	ug/l		99
30) Chloroform	7.421	83	20025	5.351	ug/l		98
31) Cyclohexane	7.701	56	20990	5.912	ug/l	#	86
32) 1,1,1-Trichloroethane	7.616	97	18106	5.315	ug/l		98
36) 1,1-Dichloropropene	7.829	75	14719	5.155	ug/l		98
37) Ethyl Acetate	6.982	43	7270	5.119	ug/l		98
38) Carbon Tetrachloride	7.817	117	16445	5.124	ug/l		92
39) Methylcyclohexane	9.103	83	17316	4.795	ug/l		95
40) Benzene	8.079	78	43912	5.203	ug/l		95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	2838	3.574	ug/l	#	74
42) 1,2-Dichloroethane	8.158	62	12236	5.110	ug/l		99
43) Isopropyl Acetate	8.195	43	12832	4.668	ug/l		99
44) Trichloroethene	8.859	130	10868	5.143	ug/l		100
45) 1,2-Dichloropropane	9.140	63	10426	5.133	ug/l		95
46) Dibromomethane	9.231	93	5557	5.005	ug/l		100
47) Bromodichloromethane	9.420	83	15042	5.081	ug/l		100
48) Methyl methacrylate	9.219	41	5698	4.433	ug/l		95
49) 1,4-Dioxane	9.231	88	1164	94.292	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	31910	22.677	ug/l		100
52) Toluene	10.170	92	25715	4.905	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	12697	4.682	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	15685	4.899	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	7259	5.019	ug/l		96
56) Ethyl methacrylate	10.438	69	8528	4.267	ug/l		99
57) 1,3-Dichloropropane	10.713	76	12384	4.880	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	20290	21.153	ug/l		98
59) 2-Hexanone	10.762	43	19312	20.897	ug/l		97
60) Dibromochloromethane	10.914	129	9844	4.998	ug/l		97
61) 1,2-Dibromoethane	11.018	107	6792	4.960	ug/l		98
64) Tetrachloroethene	10.646	164	10042	5.361	ug/l		96
65) Chlorobenzene	11.444	112	29025	5.217	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.518	131	9824	5.043	ug/l		99
67) Ethyl Benzene	11.518	91	48026	4.874	ug/l		97
68) m/p-Xylenes	11.627	106	36446	9.833	ug/l		100
69) o-Xylene	11.956	106	17085	4.920	ug/l		97
70) Styrene	11.969	104	26787	4.637	ug/l		99
71) Bromoform	12.133	173	5478	4.916	ug/l	#	99
73) Isopropylbenzene	12.255	105	44434	4.980	ug/l		99
74) N-amyl acetate	12.072	43	9713	4.283	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	8309	5.276	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	10626	8.890	ug/l	#	100
77) Bromobenzene	12.536	156	10911	5.257	ug/l		99
78) n-propylbenzene	12.597	91	53794	4.968	ug/l		100
79) 2-Chlorotoluene	12.682	91	32529	5.235	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	36696	5.014	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	2493	4.664	ug/l		97
82) 4-Chlorotoluene	12.780	91	34079	5.290	ug/l		99
83) tert-Butylbenzene	12.999	119	32078	4.852	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	35772	4.915	ug/l		100
85) sec-Butylbenzene	13.176	105	48977	5.072	ug/l		100
86) p-Isopropyltoluene	13.292	119	39637	4.916	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	21510	5.239	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	21663	5.341	ug/l		95
89) n-Butylbenzene	13.621	91	36537	4.815	ug/l		100
90) Hexachloroethane	13.883	117	9013	5.351	ug/l		97
91) 1,2-Dichlorobenzene	13.664	146	18984	5.278	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1227	4.925	ug/l		97
93) 1,2,4-Trichlorobenzene	14.925	180	10759	4.901	ug/l		98
94) Hexachlorobutadiene	15.029	225	7510	5.434	ug/l		95
95) Naphthalene	15.145	128	14829	4.078	ug/l		97
96) 1,2,3-Trichlorobenzene	15.334	180	8804	4.746	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

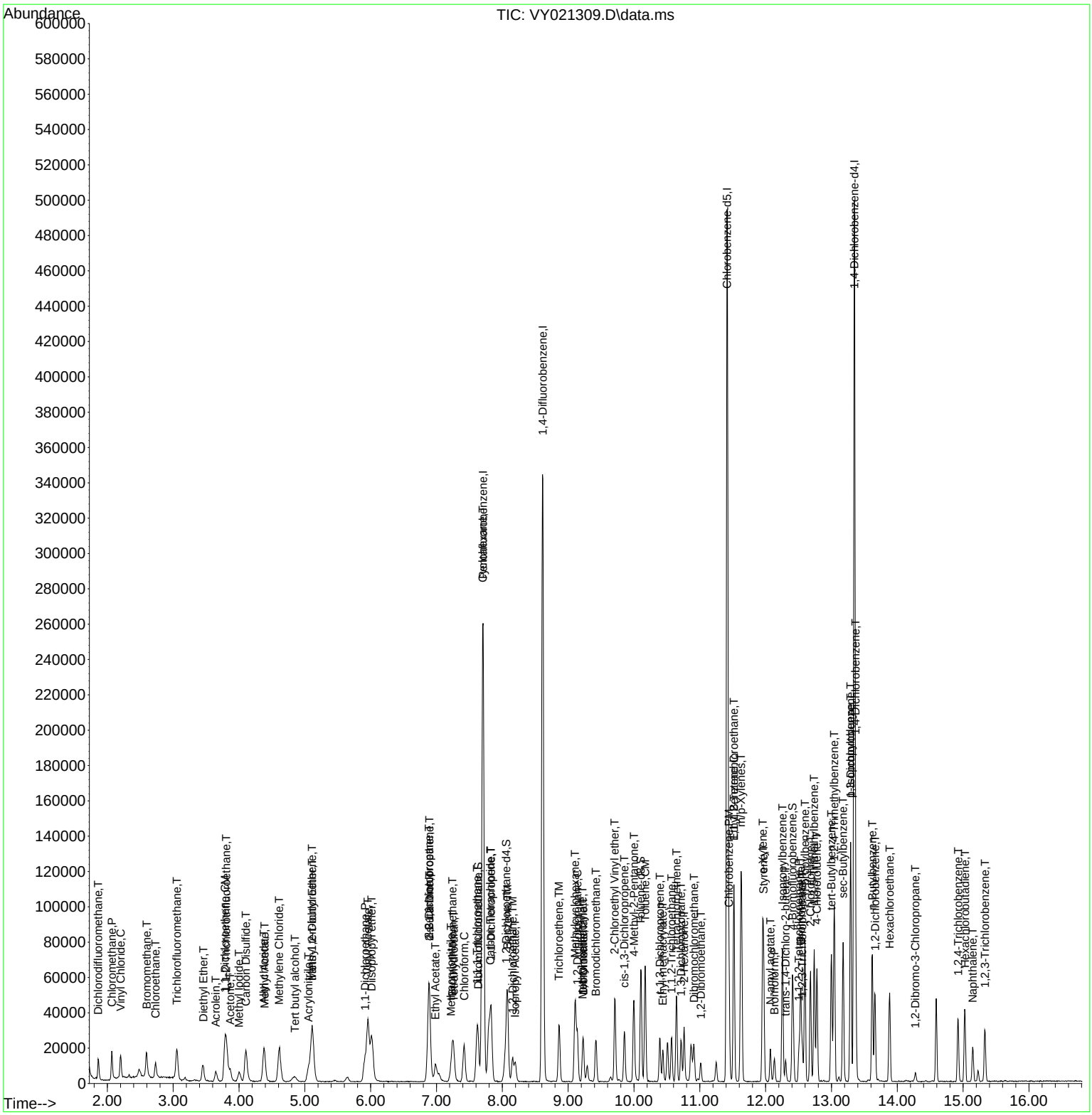
(#) = qualifier out of range (m) = manual integration (+) = signals summed

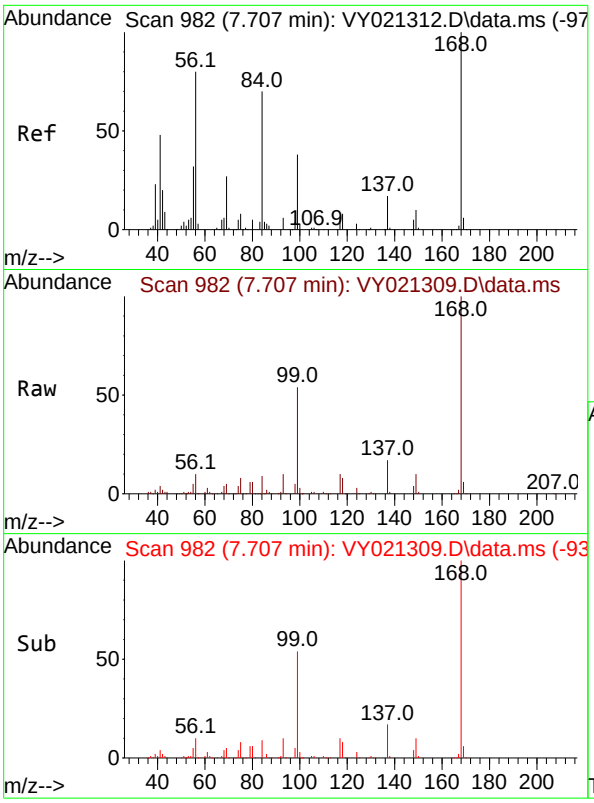
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021309.D
Acq On : 25 Feb 2025 12:40
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Feb 26 01:42:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



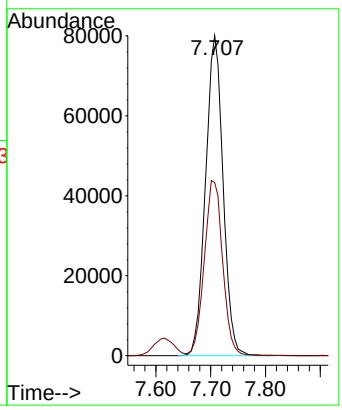


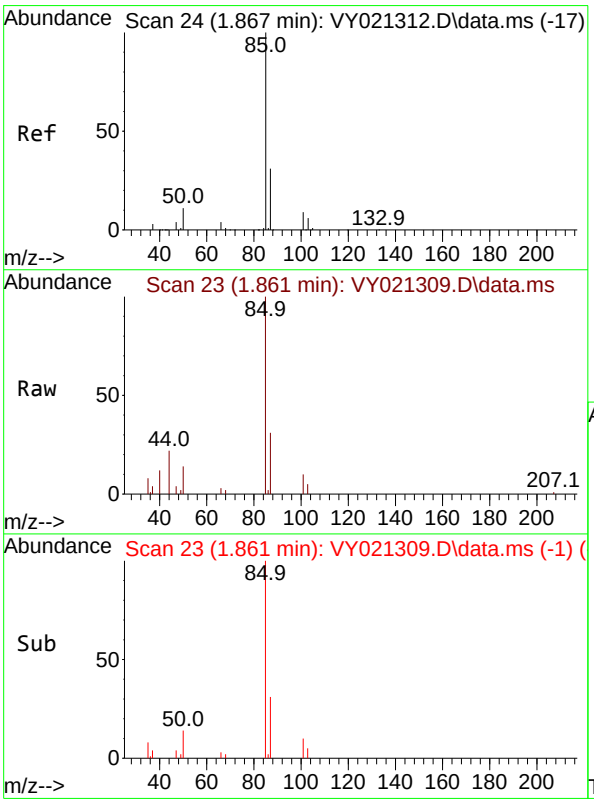
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 177514

Ion	Ratio	Lower	Upper
168	100		
99	54.1	47.1	70.7

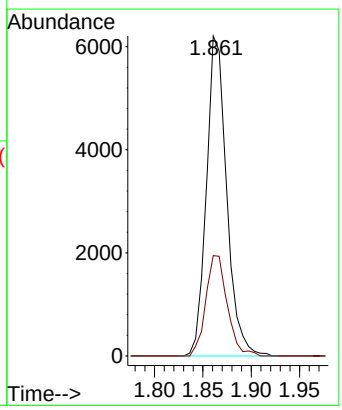


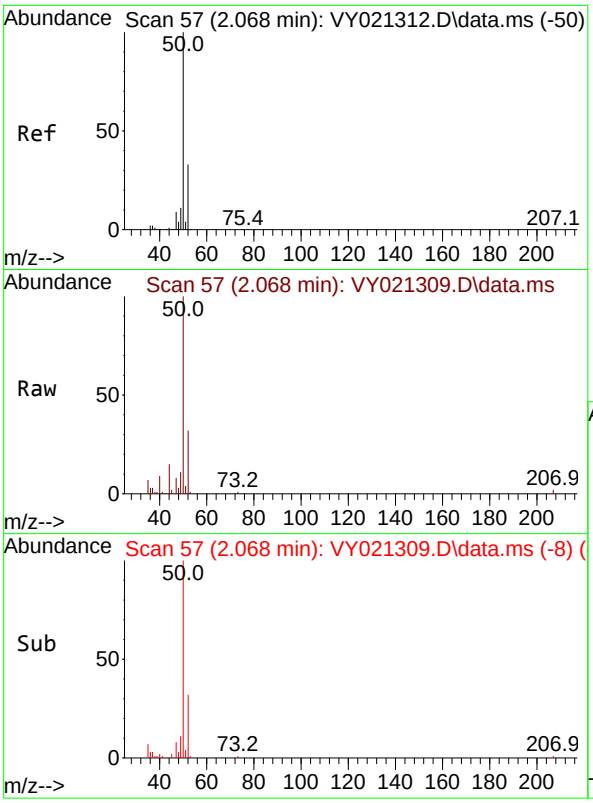


#2
Dichlorodifluoromethane
Concen: 5.374 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 85 Resp: 9045

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.4	46.4



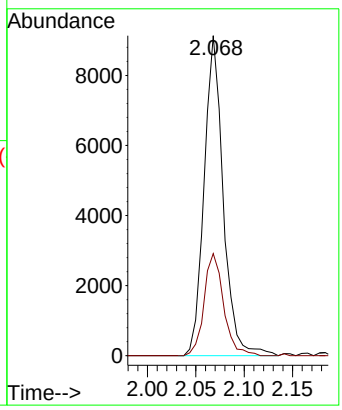


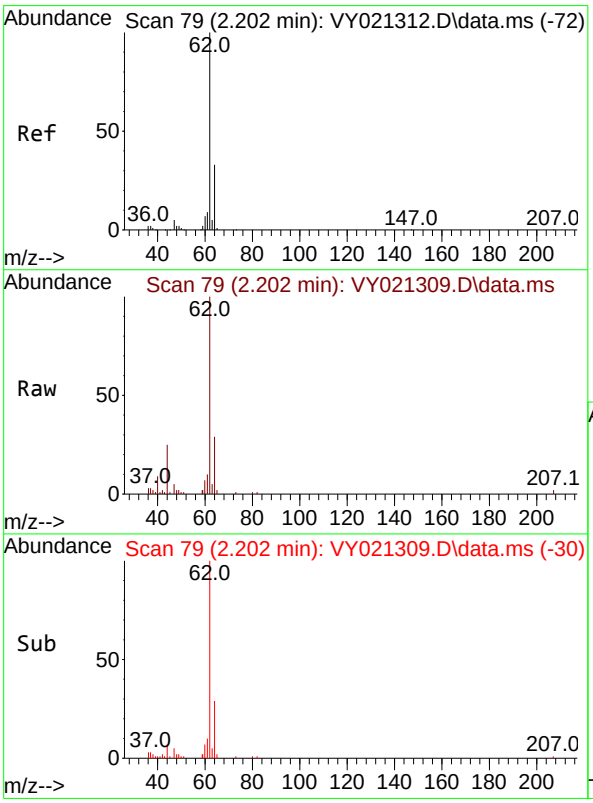
#3
Chloromethane
Concen: 5.793 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 12591

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.6	40.0

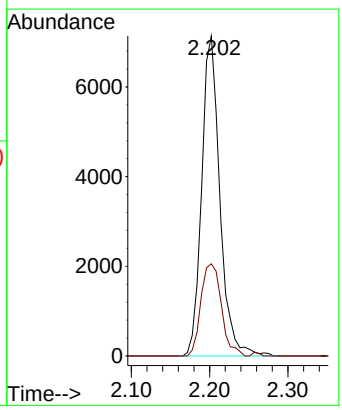


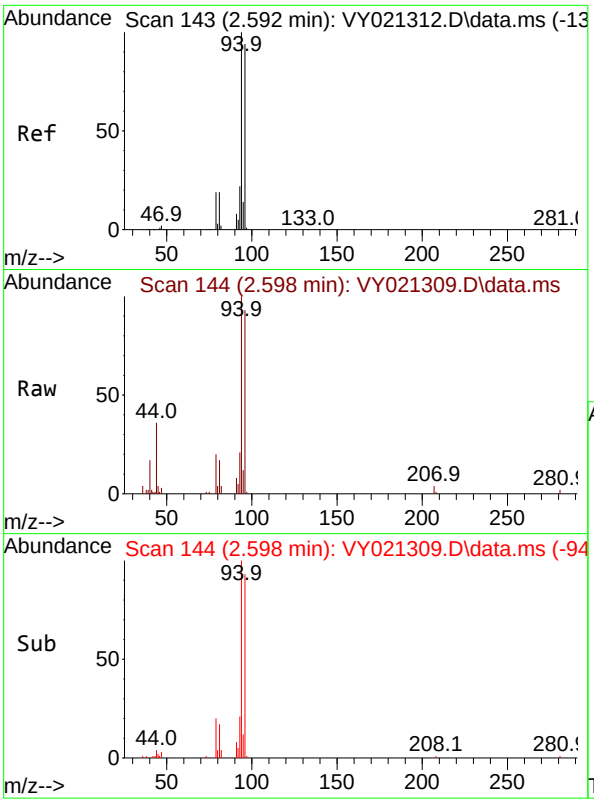


#4
Vinyl Chloride
Concen: 5.389 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 11497

Ion	Ratio	Lower	Upper
62	100		
64	28.8	26.3	39.5



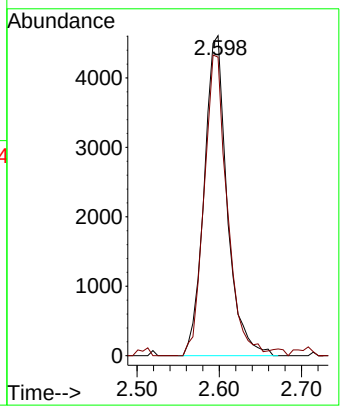


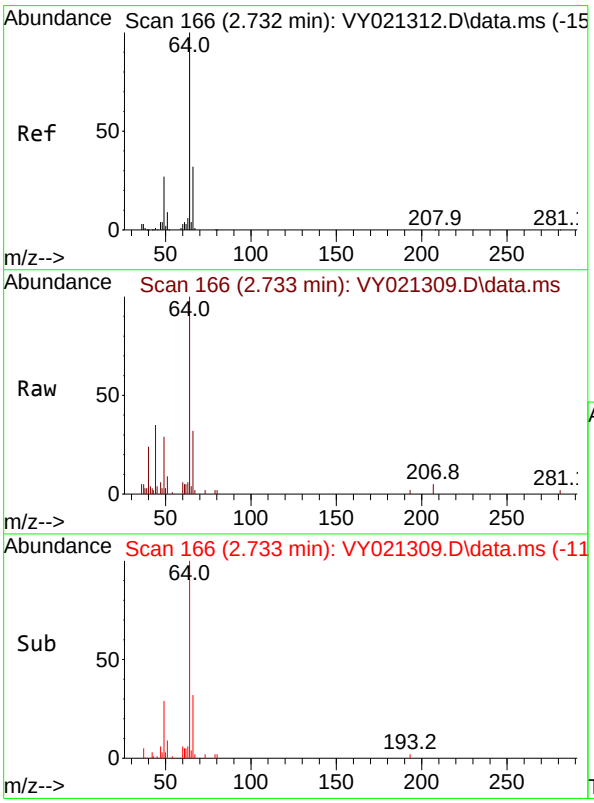
#5
Bromomethane
Concen: 6.321 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 8962

Ion	Ratio	Lower	Upper
94	100		
96	93.3	75.2	112.8

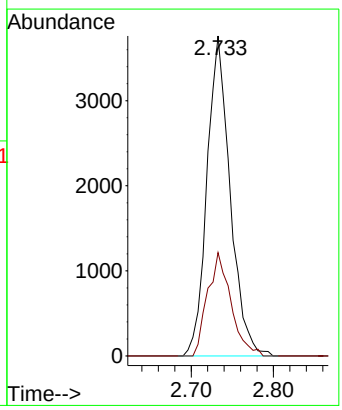


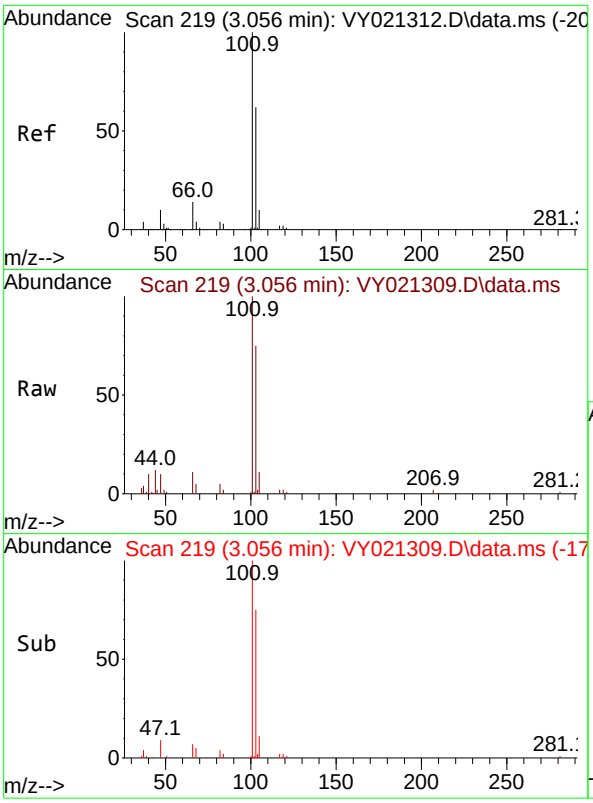


#6
Chloroethane
Concen: 5.556 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 64 Resp: 7351

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.4	38.0



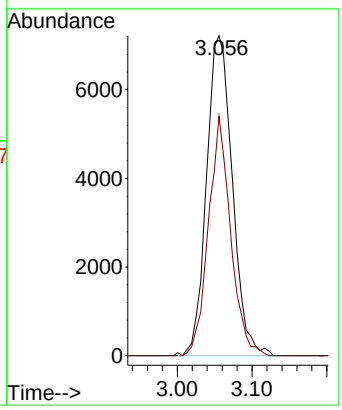


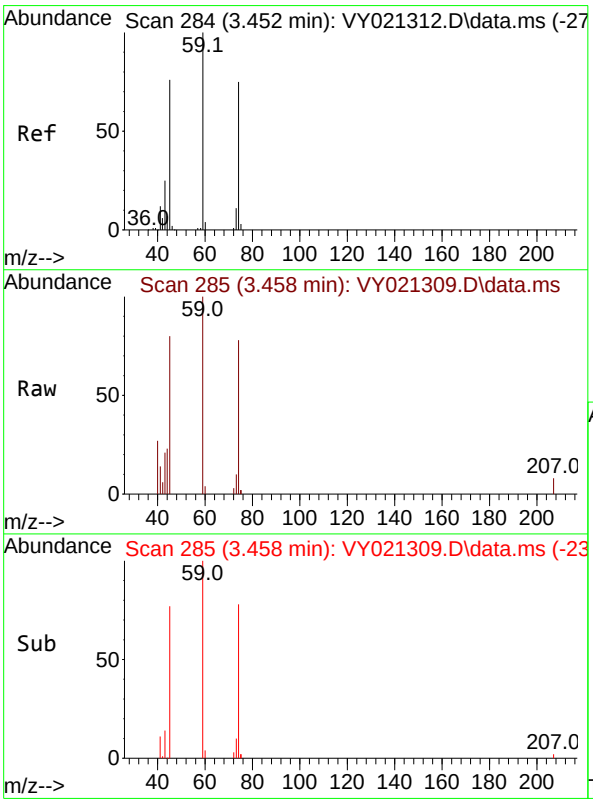
#7
Trichlorofluoromethane
Concen: 5.375 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 17319

Ion	Ratio	Lower	Upper
101	100		
103	74.8	49.7	74.5#

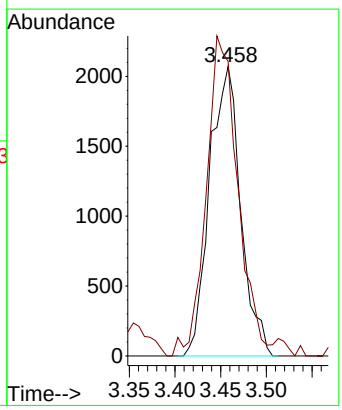


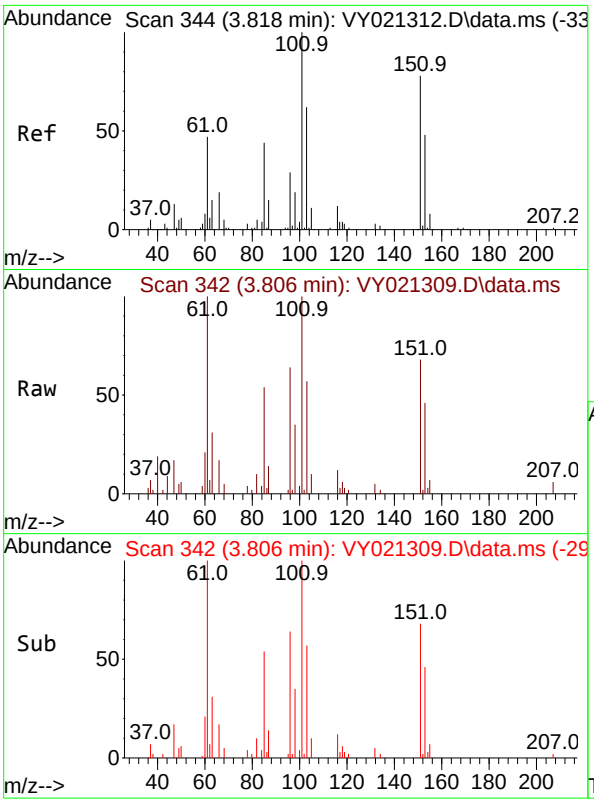


#8
Diethyl Ether
Concen: 5.064 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 74 Resp: 4897

Ion	Ratio	Lower	Upper
74	100		
45	111.5	50.3	150.9



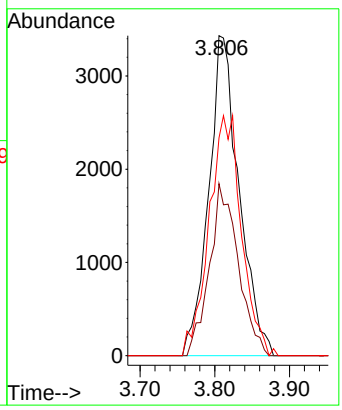


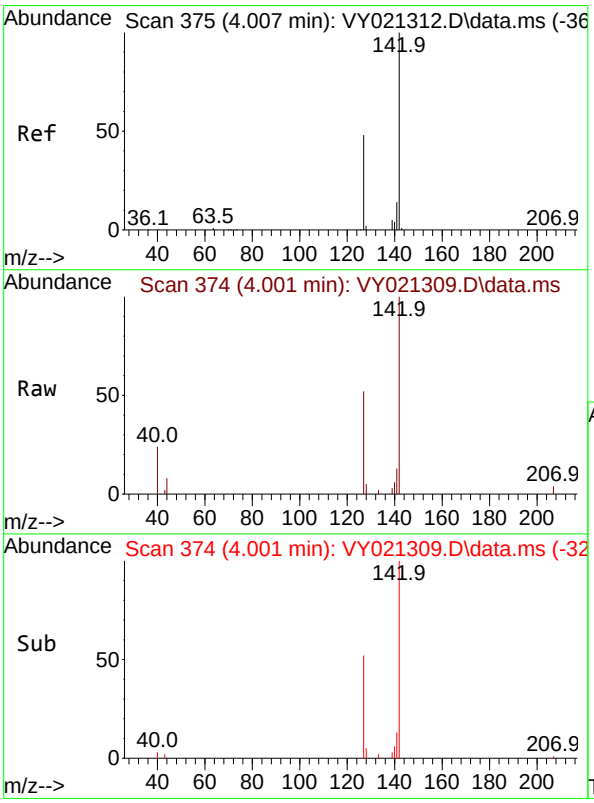
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.193 ug/l
RT: 3.806 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 9686

Ion	Ratio	Lower	Upper
101	100		
85	50.9	36.7	55.1
151	80.2	62.6	94.0

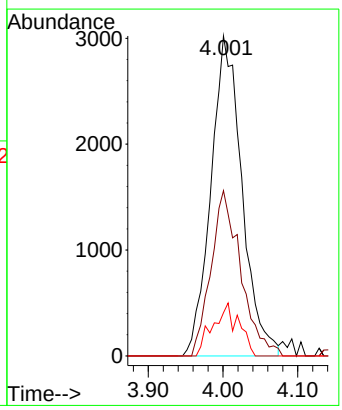


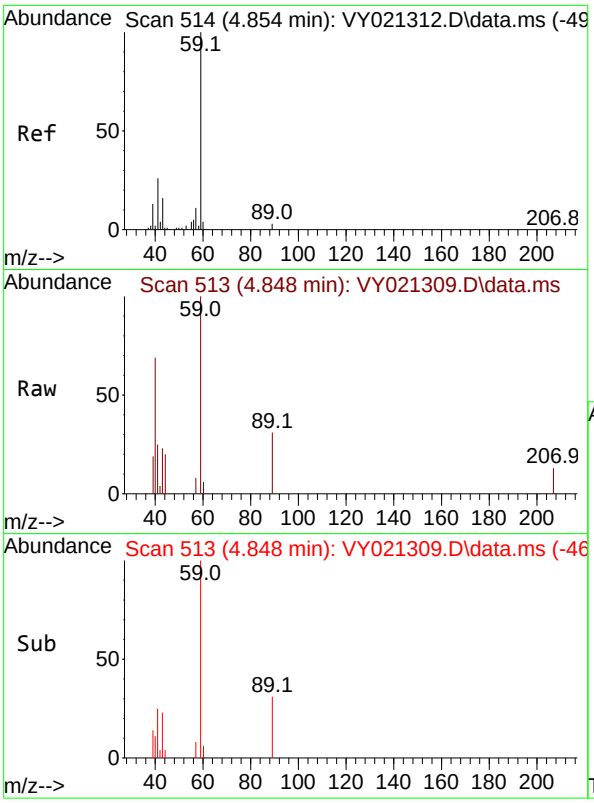


#10
Methyl Iodide
Concen: 4.447 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:142 Resp: 8728

Ion	Ratio	Lower	Upper
142	100		
127	49.6	39.2	58.8
141	13.8	11.4	17.2



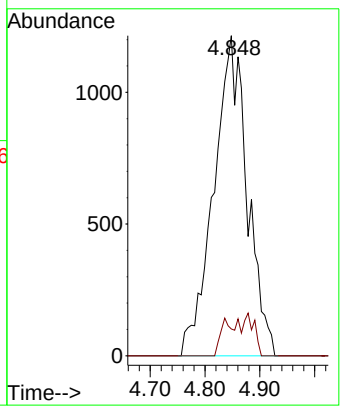


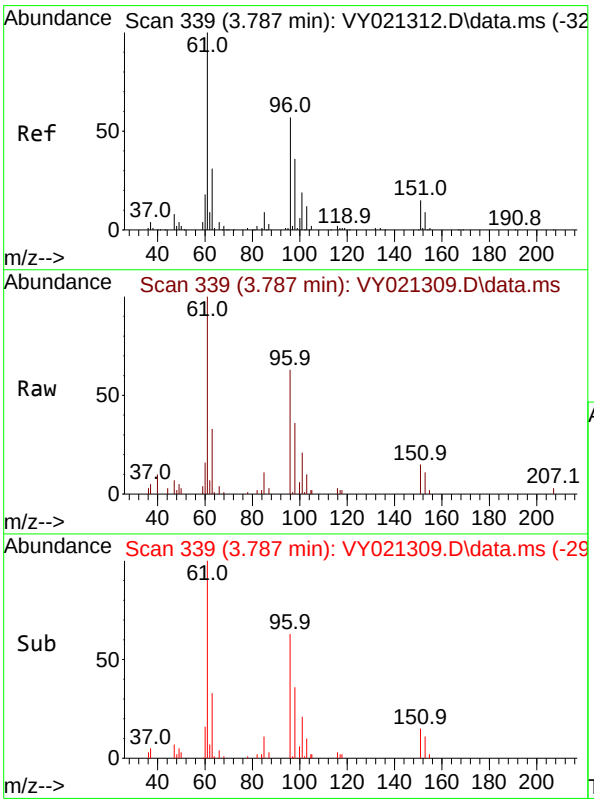
#11
Tert butyl alcohol
Concen: 33.345 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 5165

Ion	Ratio	Lower	Upper
59	100		
57	4.3	8.3	12.5#

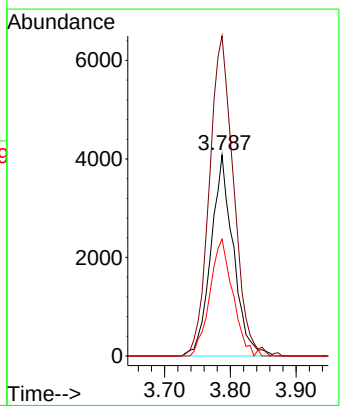


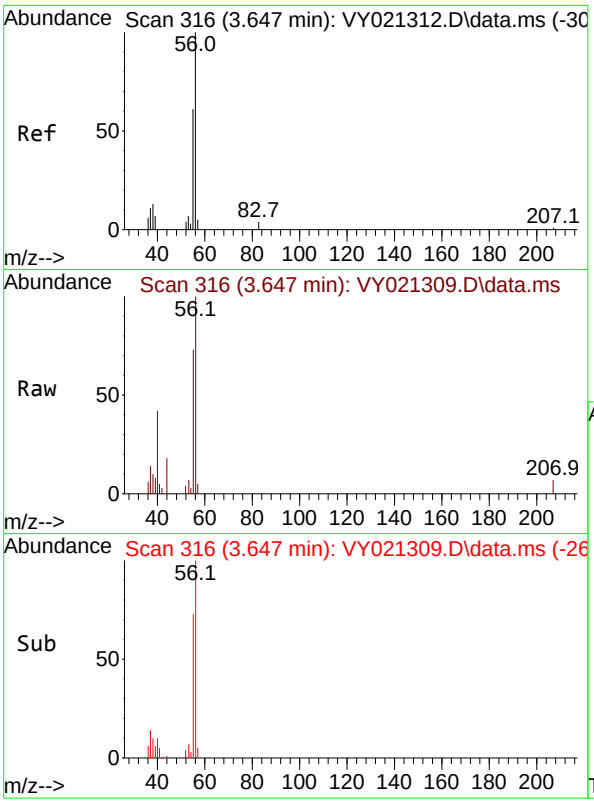


#12
1,1-Dichloroethene
Concen: 5.415 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 96 Resp: 9671

Ion	Ratio	Lower	Upper
96	100		
61	159.2	139.7	209.5
98	58.1	49.7	74.5



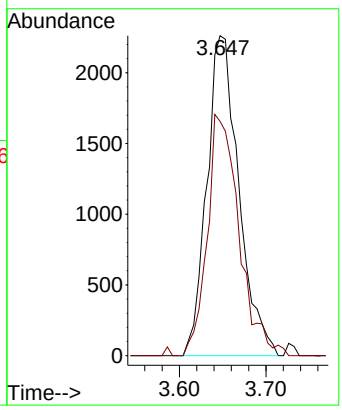


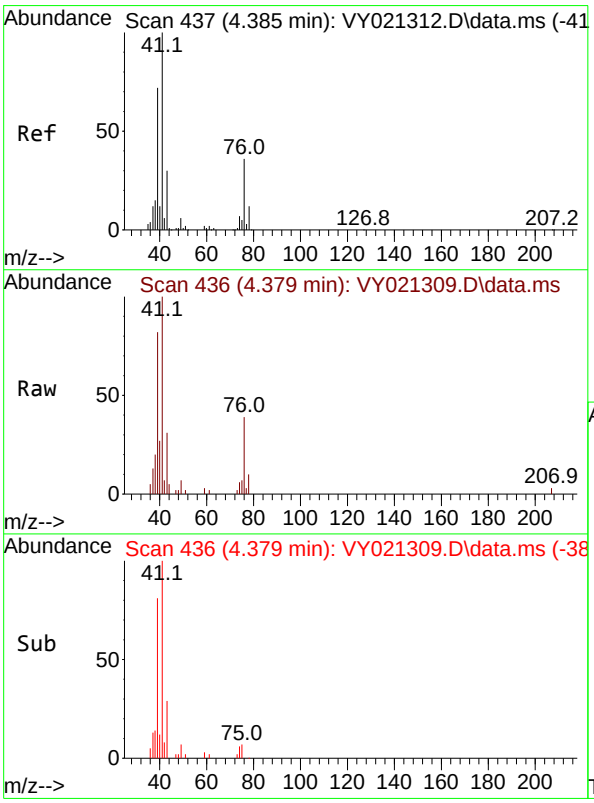
#13
Acrolein
Concen: 48.848 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 5798

Ion	Ratio	Lower	Upper
56	100		
55	74.8	59.0	88.6

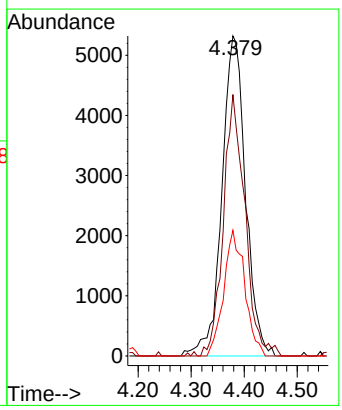


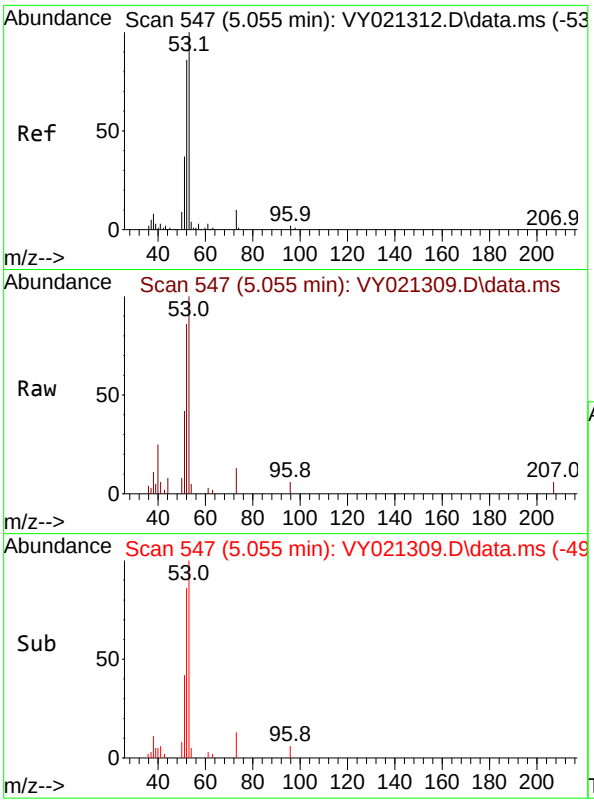


#14
Allyl chloride
Concen: 5.210 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 16498

Ion	Ratio	Lower	Upper
41	100		
39	74.4	60.0	90.0
76	34.9	29.0	43.6



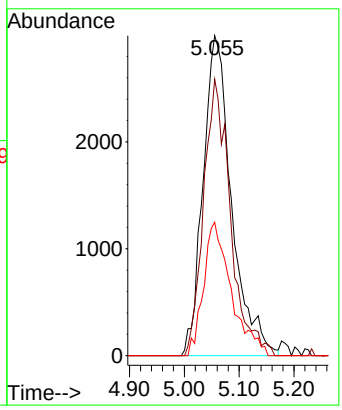


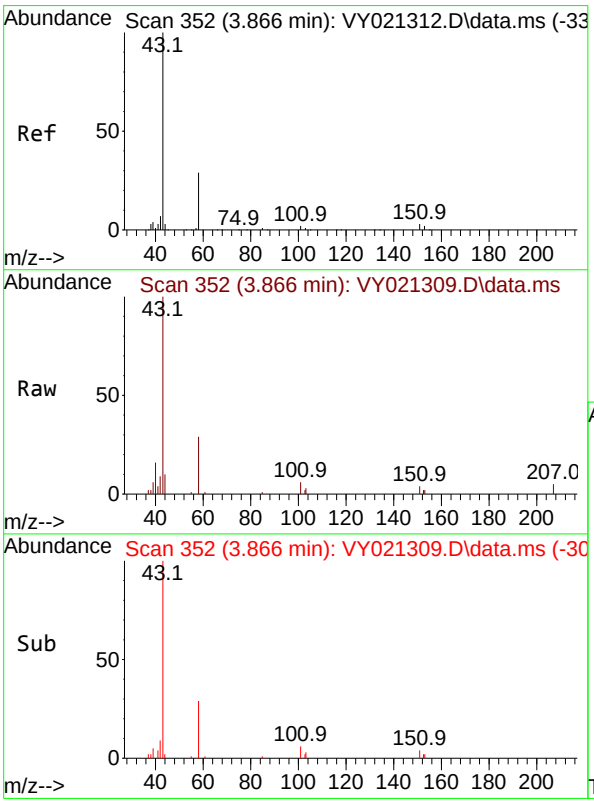
#15
Acrylonitrile
Concen: 25.330 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 10830

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.5	98.3
51	40.3	30.6	46.0

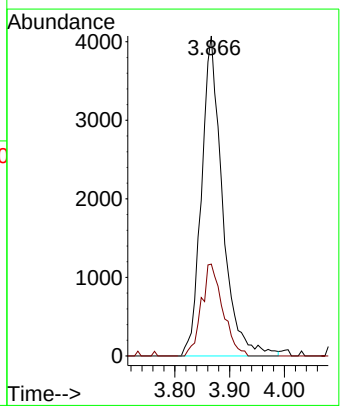


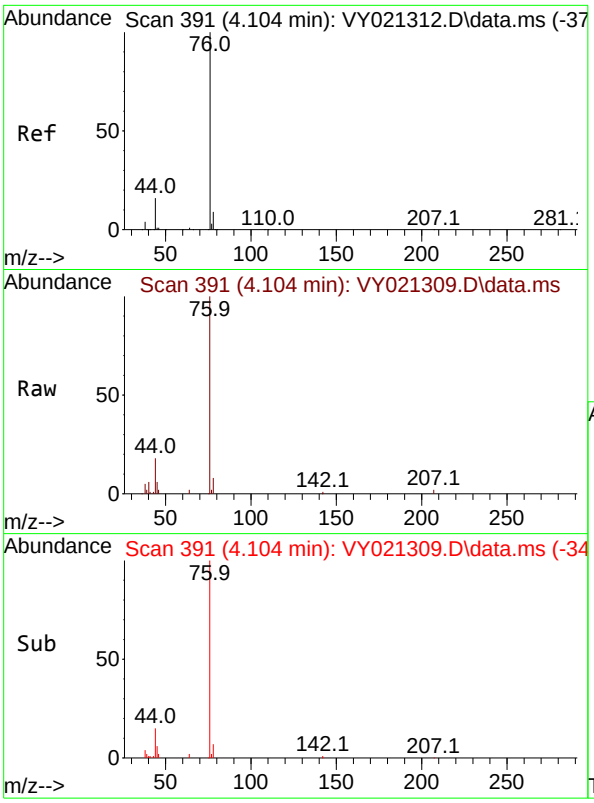


#16
Acetone
Concen: 28.018 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 10823

Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.5	35.3



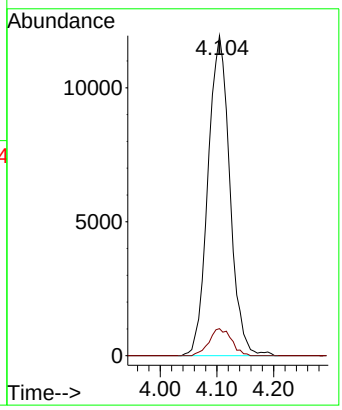


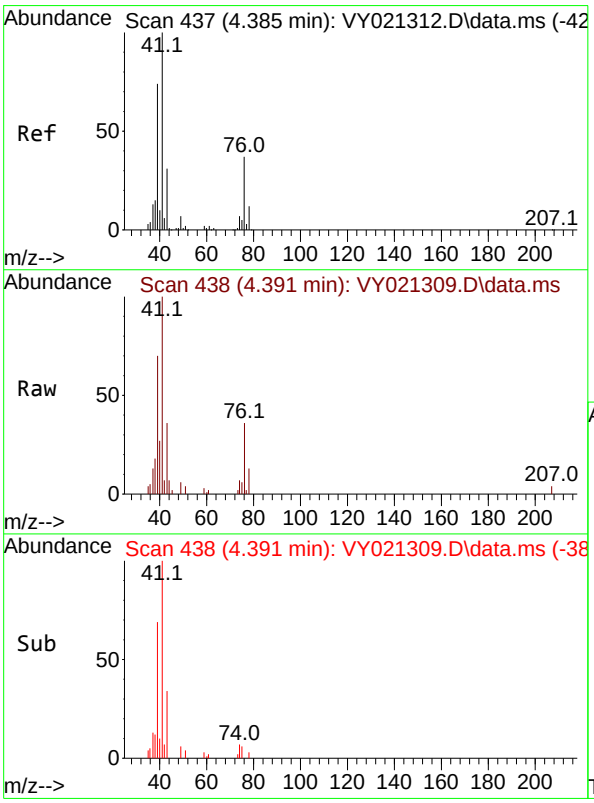
#17
Carbon Disulfide
Concen: 5.387 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 31953

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7

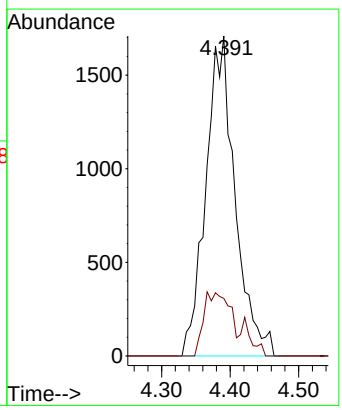


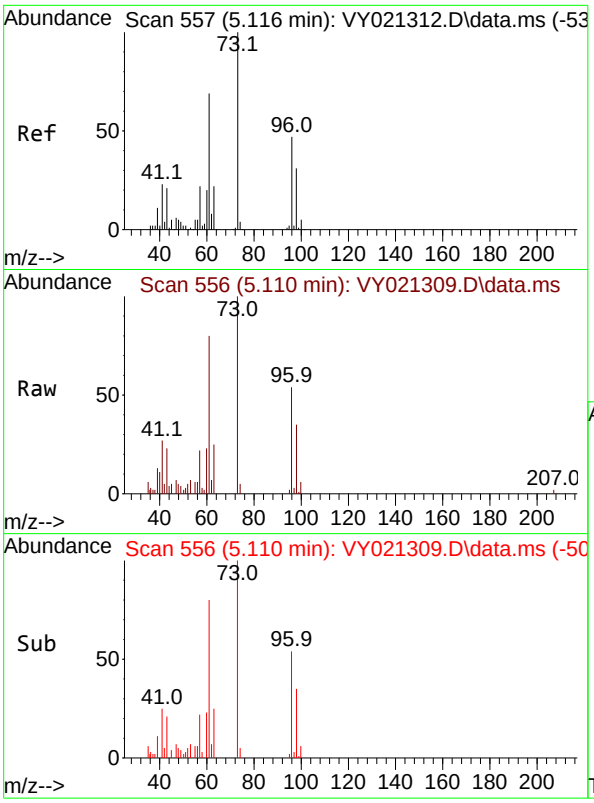


#18
Methyl Acetate
Concen: 5.362 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 5062

Ion	Ratio	Lower	Upper
43	100		
74	0.0	17.7	26.5#



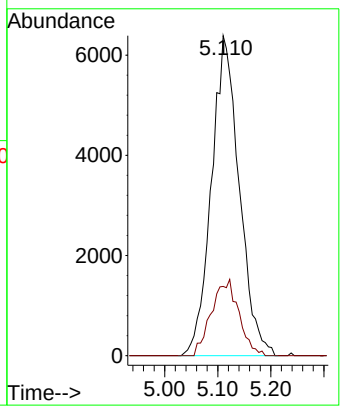


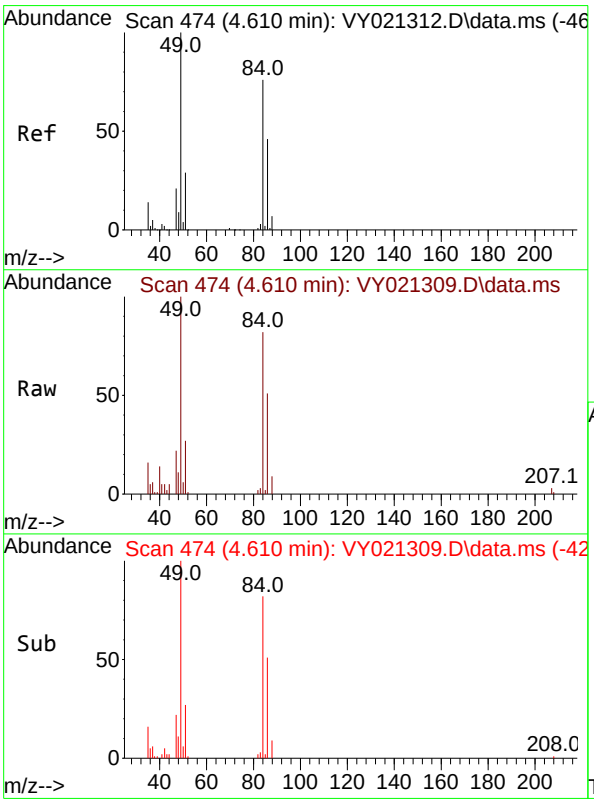
#19
Methyl tert-butyl Ether
Concen: 4.935 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 23290

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0

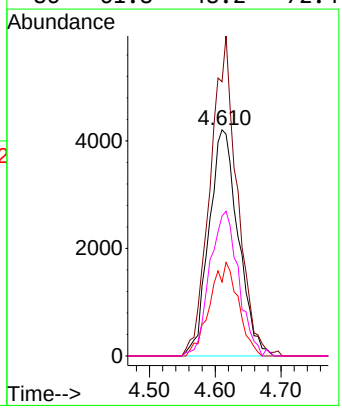


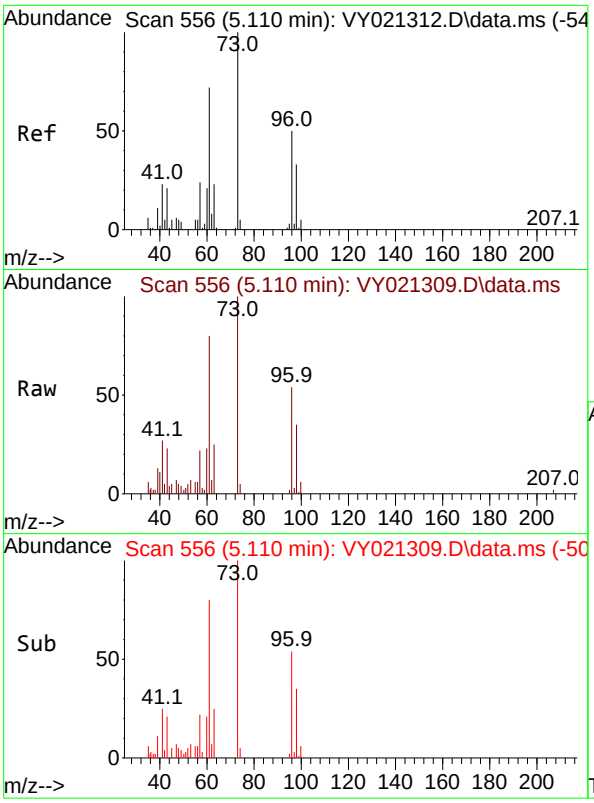


#20
Methylene Chloride
Concen: 6.225 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 84 Resp: 13003

Ion	Ratio	Lower	Upper
84	100		
49	121.3	105.1	157.7
51	32.7	31.0	46.4
86	61.8	48.2	72.4



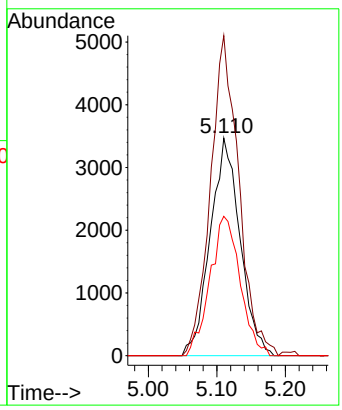


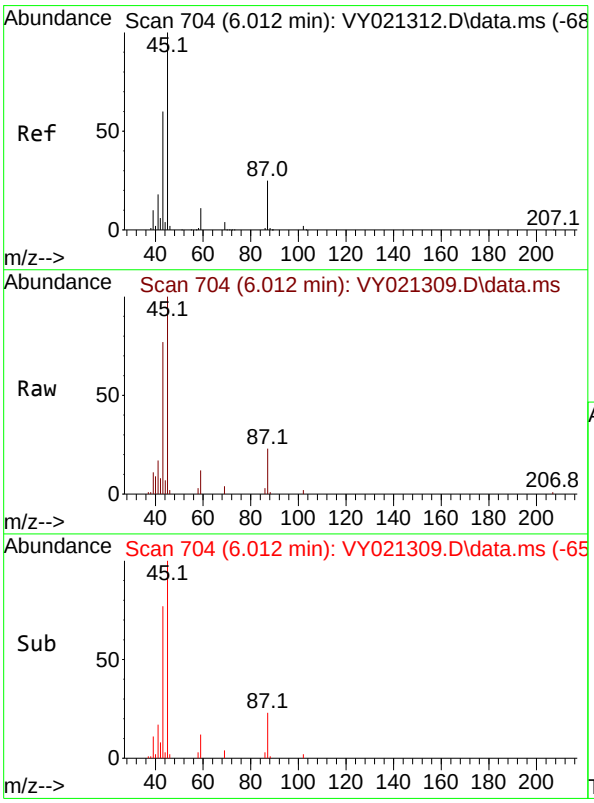
#21
trans-1,2-Dichloroethene
Concen: 5.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10455

Ion	Ratio	Lower	Upper
96	100		
61	147.0	116.3	174.5
98	64.0	52.6	78.8

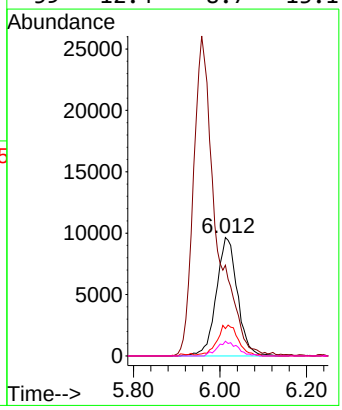


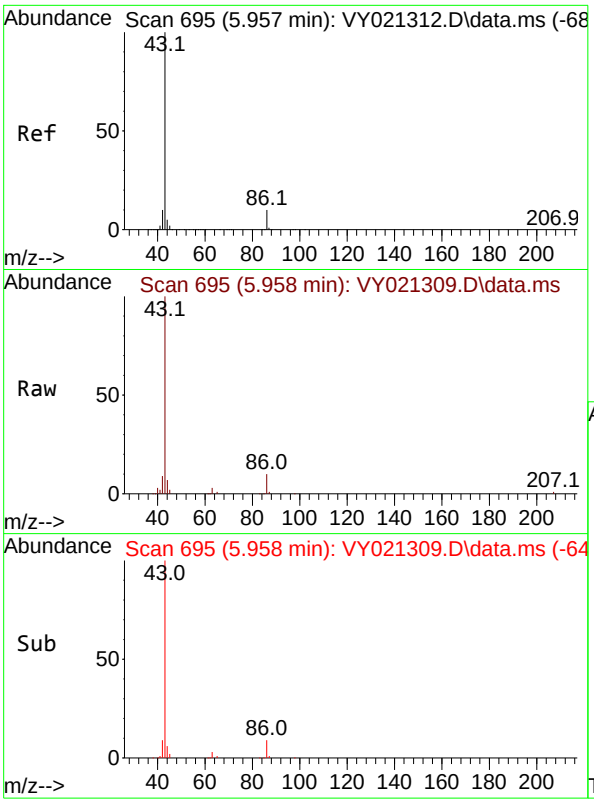


#22
Diisopropyl ether
Concen: 4.981 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 45 Resp: 32640

Ion	Ratio	Lower	Upper
45	100		
43	75.5	48.2	72.4#
87	23.1	20.3	30.5
59	12.4	8.7	13.1



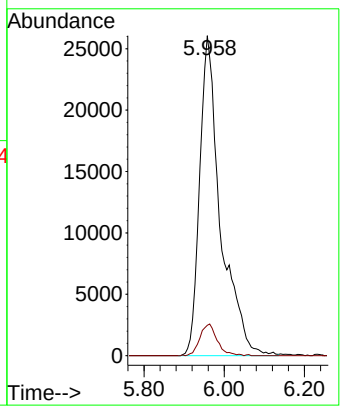


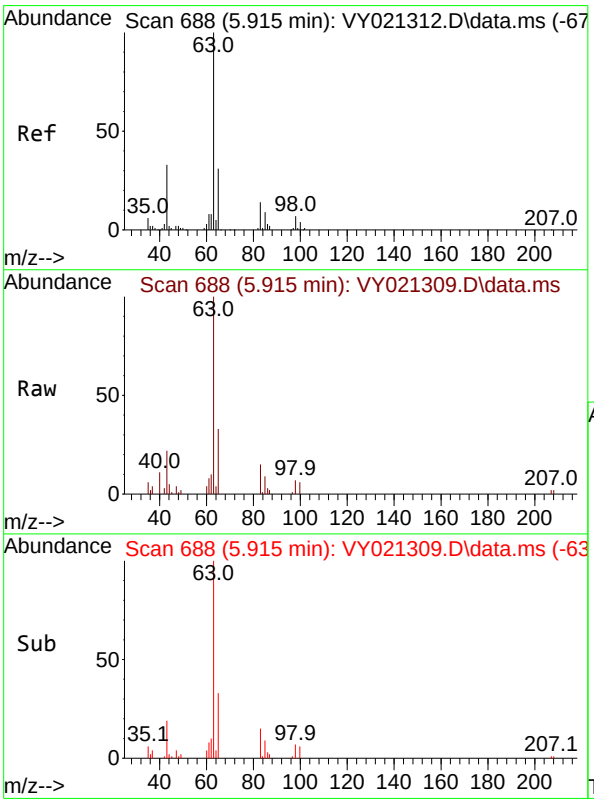
#23
Vinyl Acetate
Concen: 24.067 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 94244

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.0	12.0

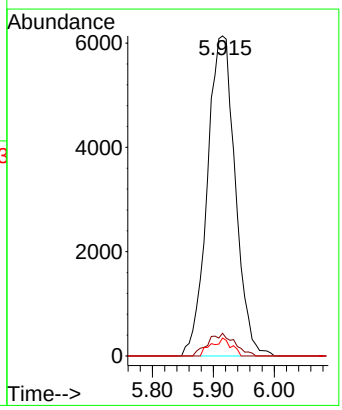


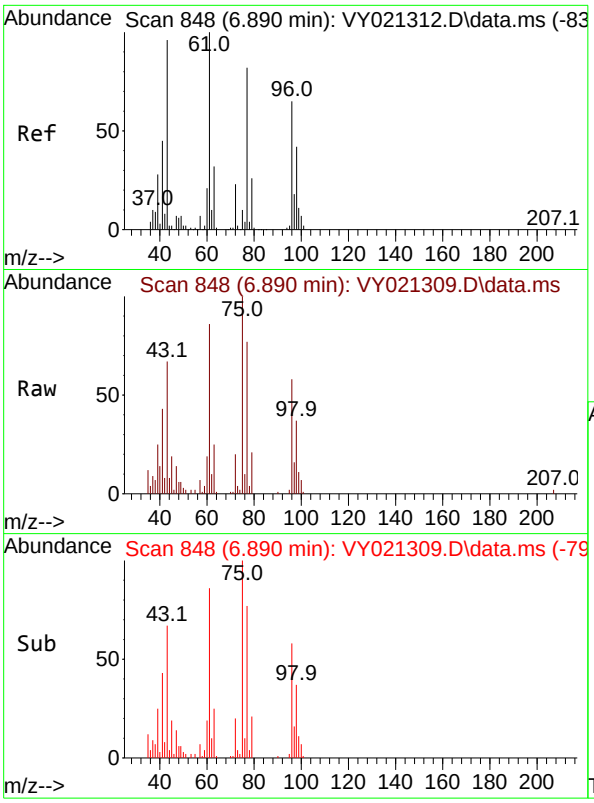


#24
1,1-Dichloroethane
Concen: 5.290 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 19538

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	5.6	2.1	6.5



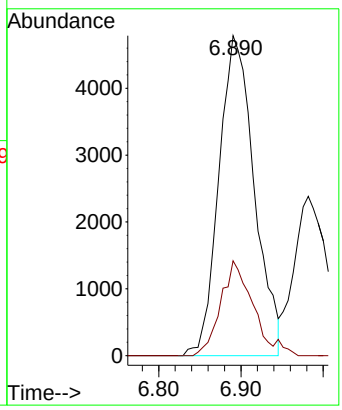


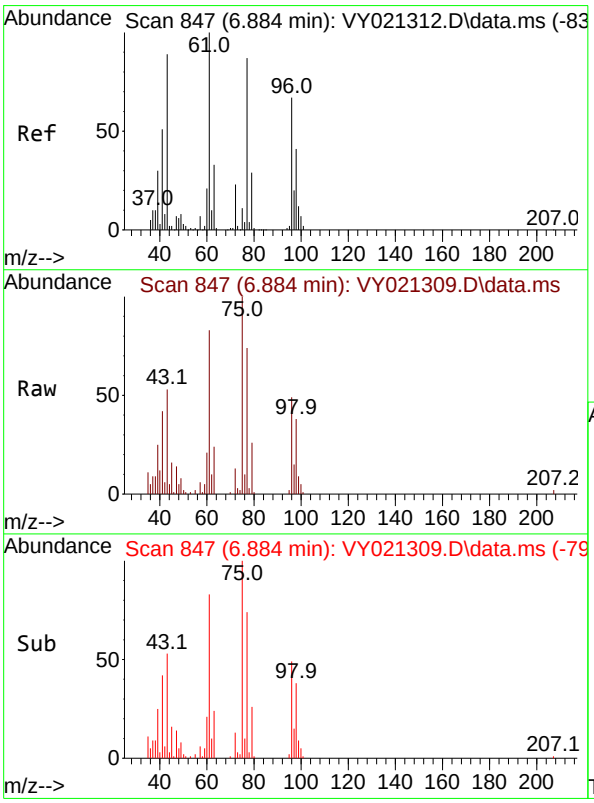
#25
2-Butanone
Concen: 24.599 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 14341

Ion	Ratio	Lower	Upper
43	100		
72	29.6	19.0	28.6#

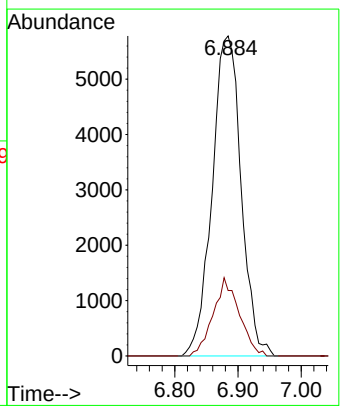


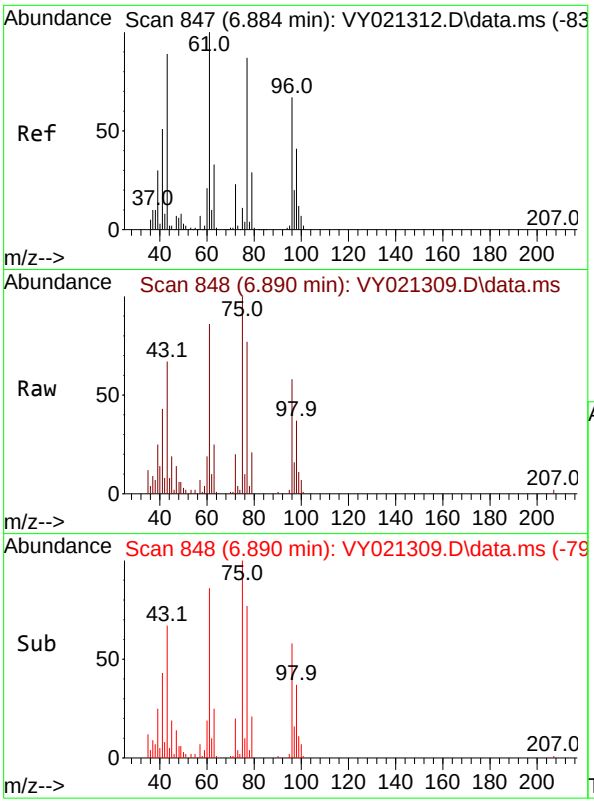


#26
2,2-Dichloropropane
Concen: 5.488 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 77 Resp: 18391

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



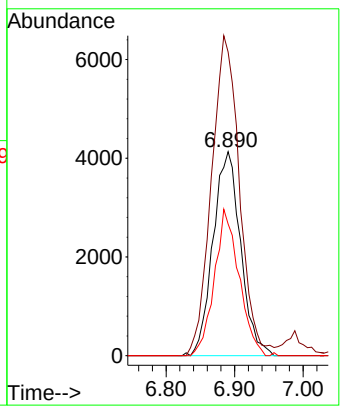


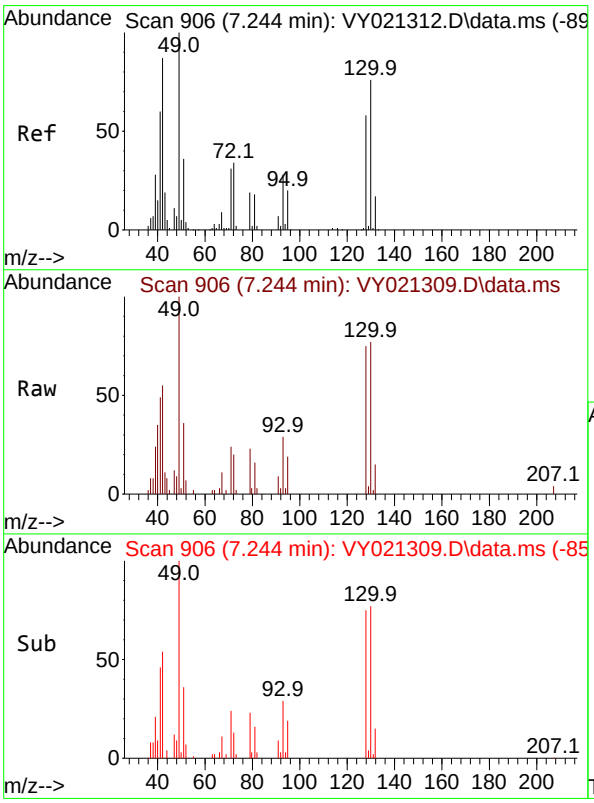
#27
cis-1,2-Dichloroethene
Concen: 5.132 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 11522

Ion	Ratio	Lower	Upper
96	100		
61	159.3	0.0	308.0
98	64.2	0.0	129.6

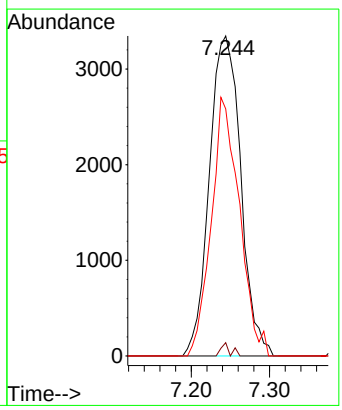


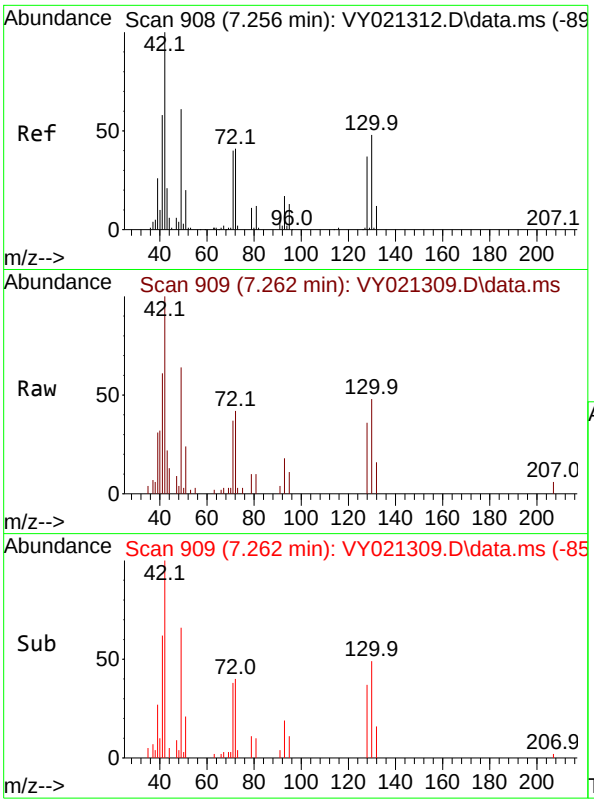


#28
Bromochloromethane
Concen: 5.702 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 49 Resp: 9318

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	72.6	57.8	86.6



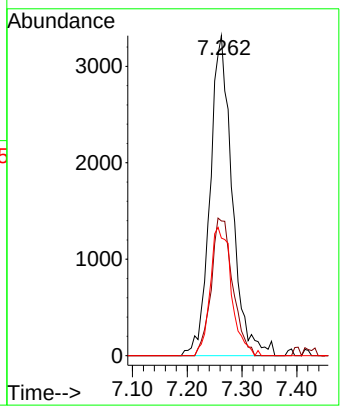


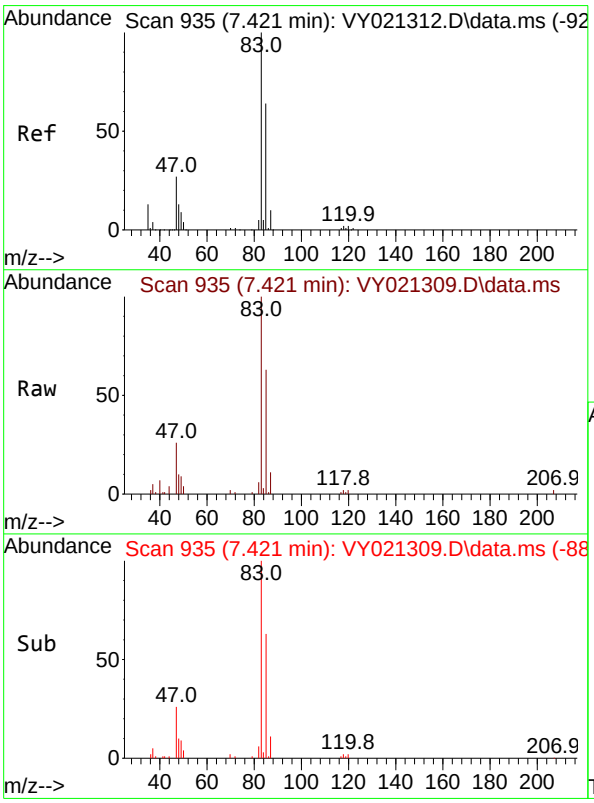
#29
Tetrahydrofuran
Concen: 24.455 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 9319

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.1	49.7
71	38.3	31.4	47.0

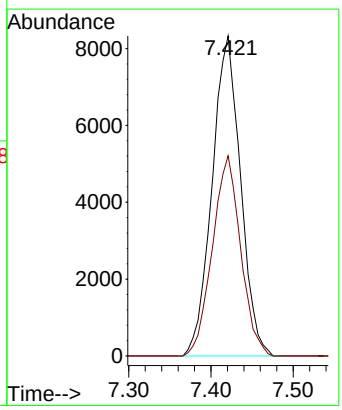


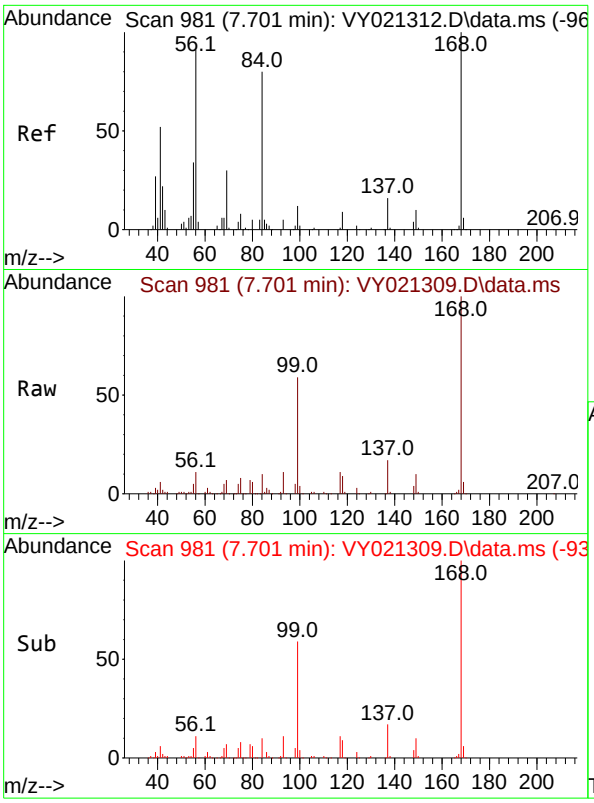


#30
Chloroform
Concen: 5.351 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 83 Resp: 20025

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.6	77.4



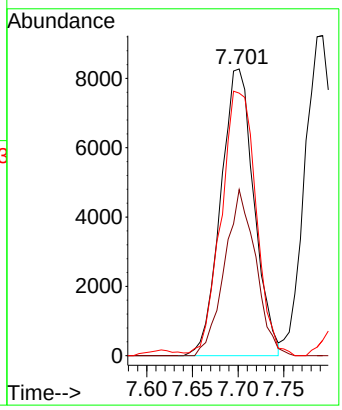


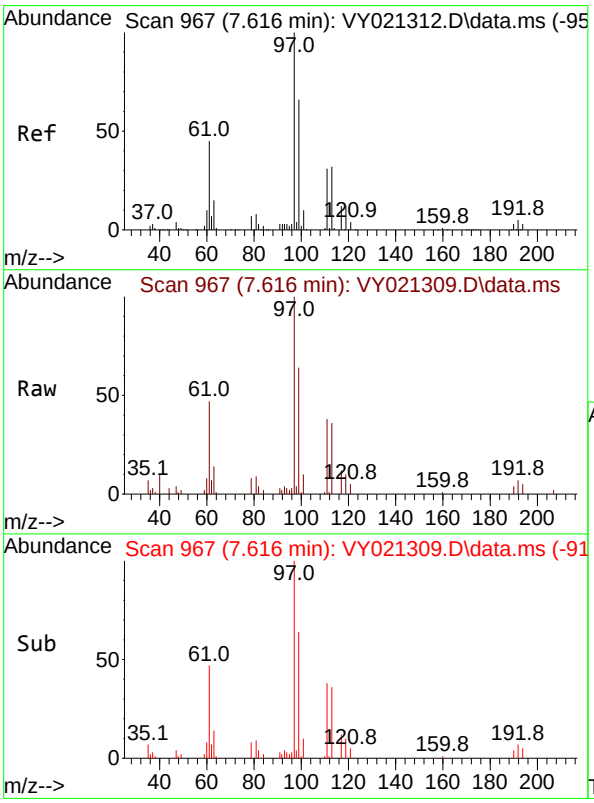
#31
Cyclohexane
Concen: 5.912 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 20990

Ion	Ratio	Lower	Upper
56	100		
69	57.9	26.2	39.4#
84	90.3	70.2	105.4

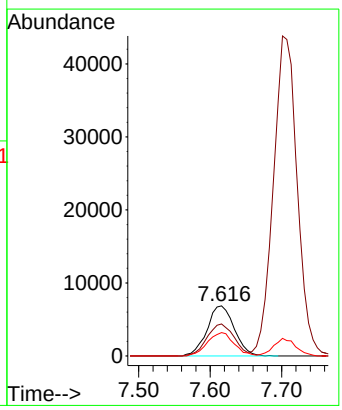


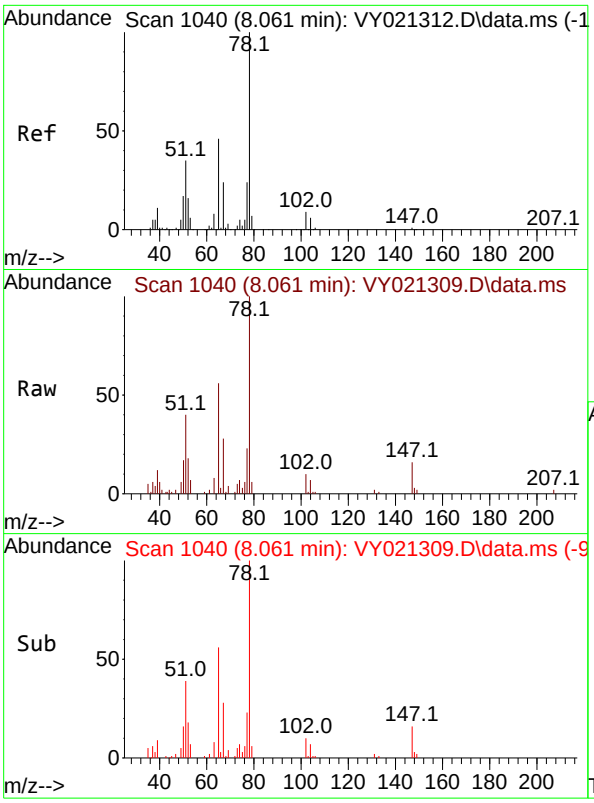


#32
1,1,1-Trichloroethane
Concen: 5.315 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 97 Resp: 18106

Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.4	78.6
61	45.7	36.2	54.2



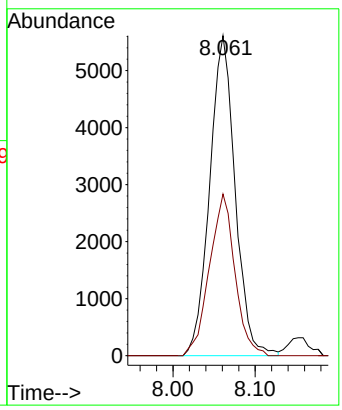


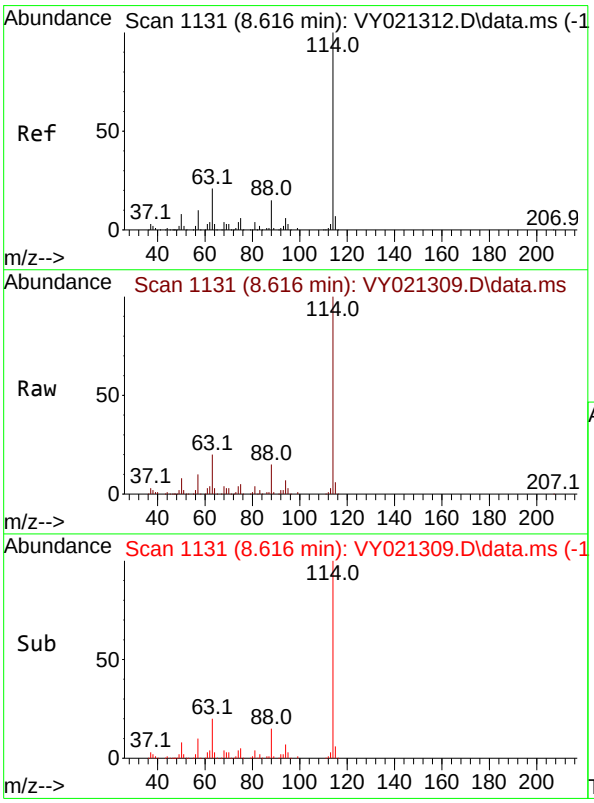
#33
1,2-Dichloroethane-d4
Concen: 6.003 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 12088

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	103.6

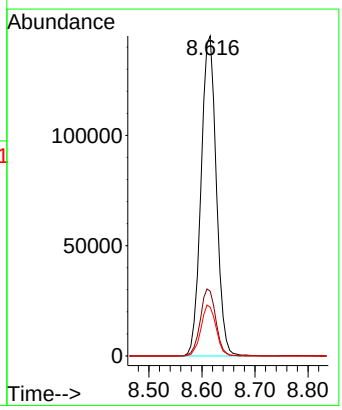


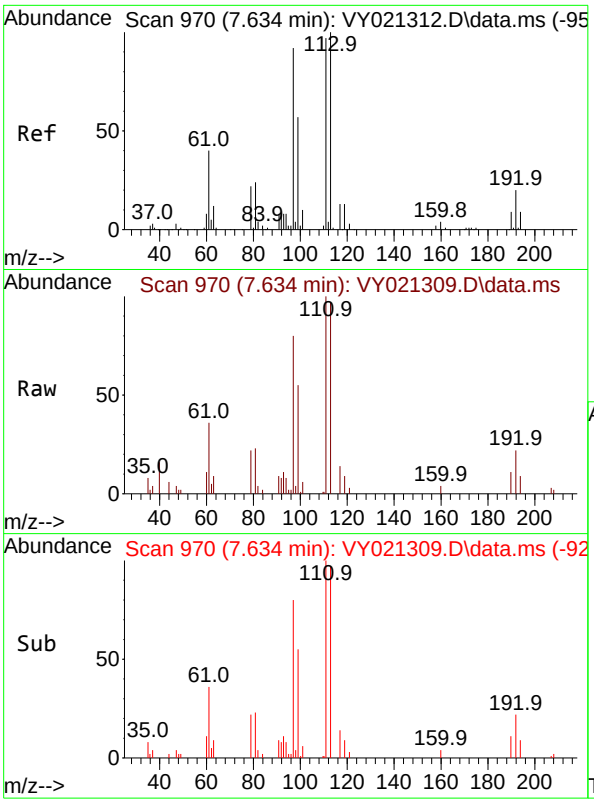


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:114 Resp: 289913

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.2
88	15.2	0.0	29.8



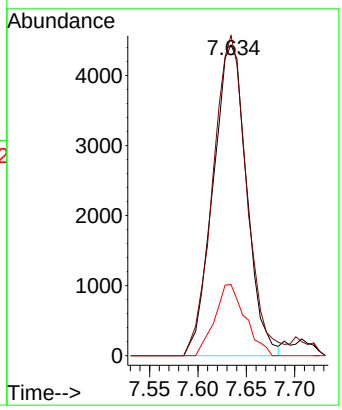


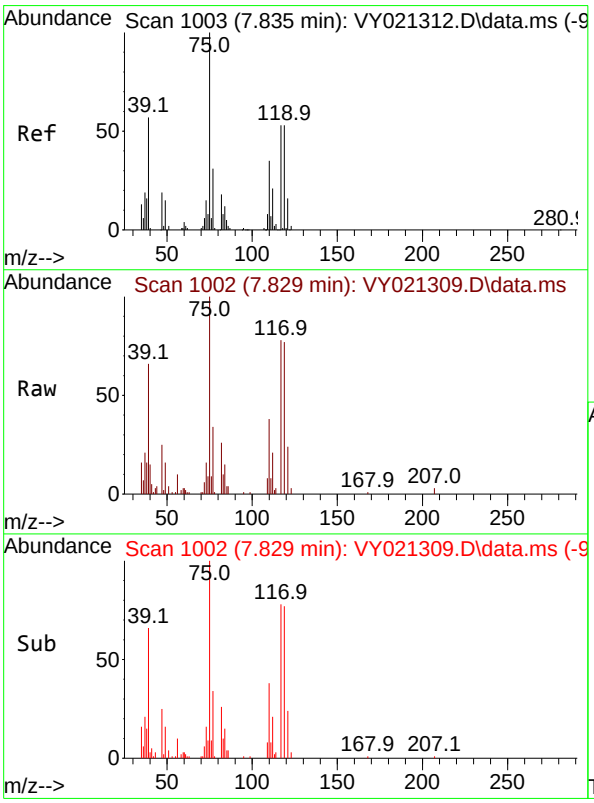
#35
Dibromofluoromethane
Concen: 5.637 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 10715

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.0	121.6
192	20.8	15.8	23.8

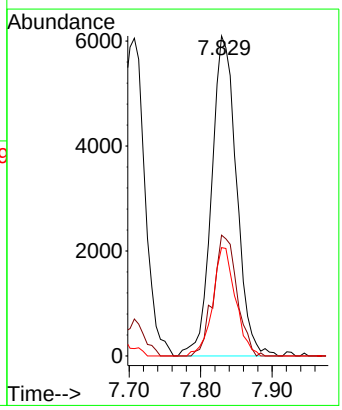


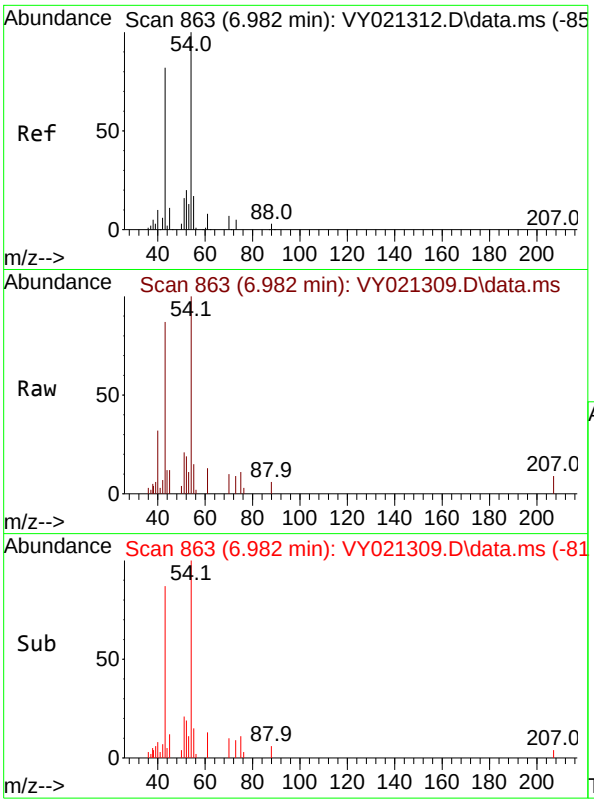


#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 14719

Ion	Ratio	Lower	Upper
75	100		
110	35.9	16.9	50.7
77	31.0	24.6	36.8



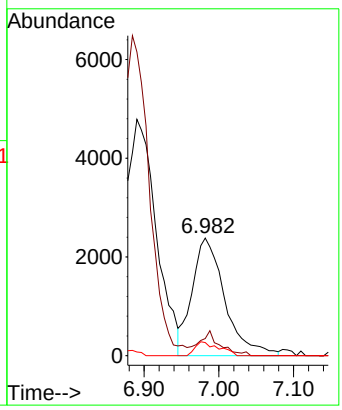


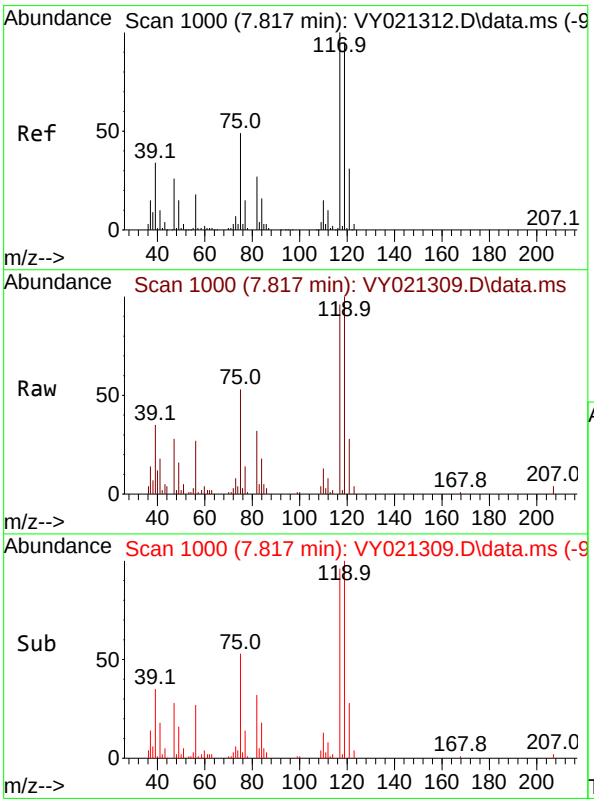
#37
Ethyl Acetate
Concen: 5.119 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 7270

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	8.5	7.5	11.3

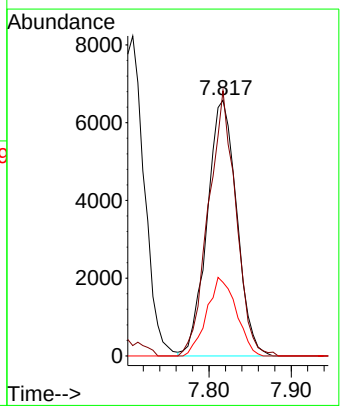


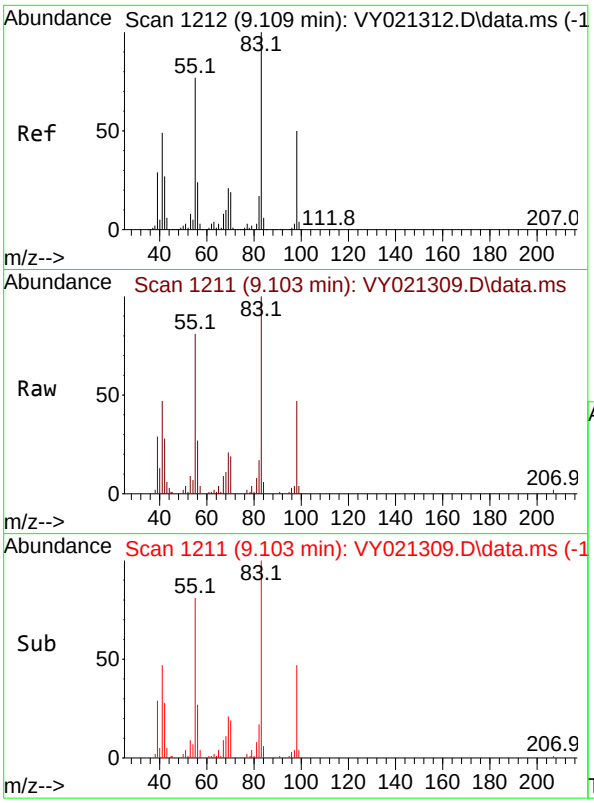


#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 16445

Ion	Ratio	Lower	Upper
117	100		
119	103.8	76.0	114.0
121	28.8	24.9	37.3



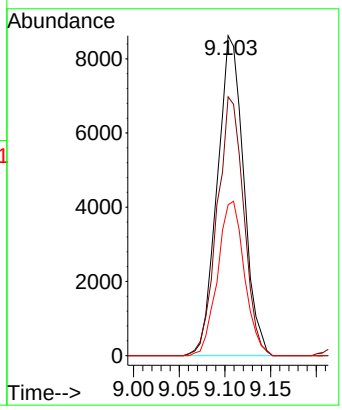


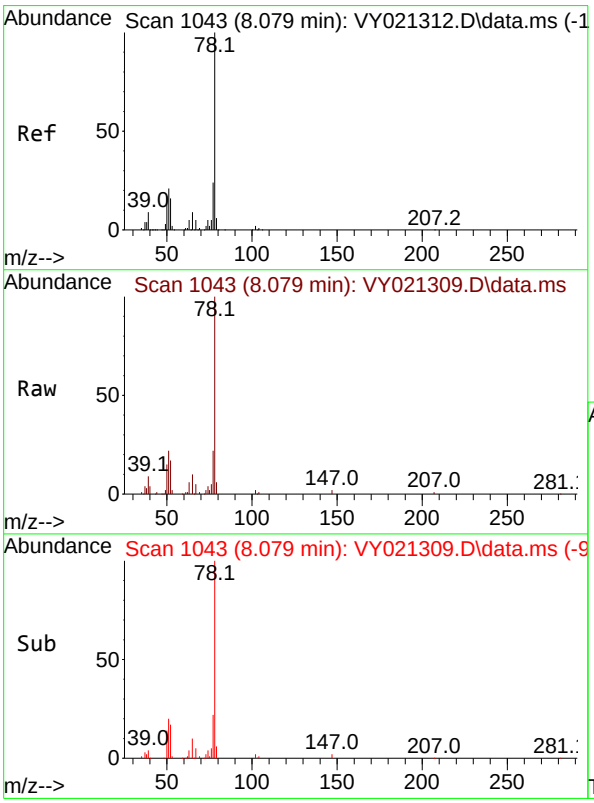
#39
Methylcyclohexane
Concen: 4.795 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 17316

Ion	Ratio	Lower	Upper
83	100		
55	80.9	61.3	91.9
98	47.2	39.9	59.9

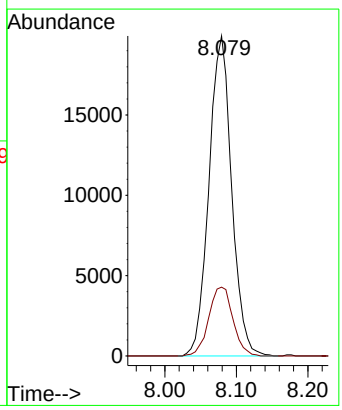


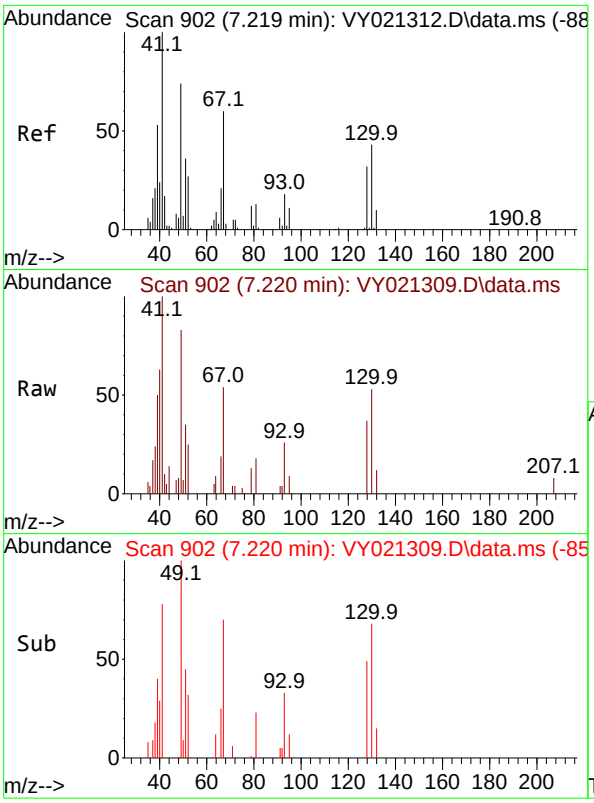


#40
Benzene
Concen: 5.203 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 78 Resp: 43912

Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.2	28.8



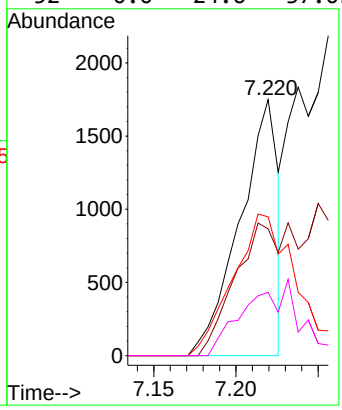


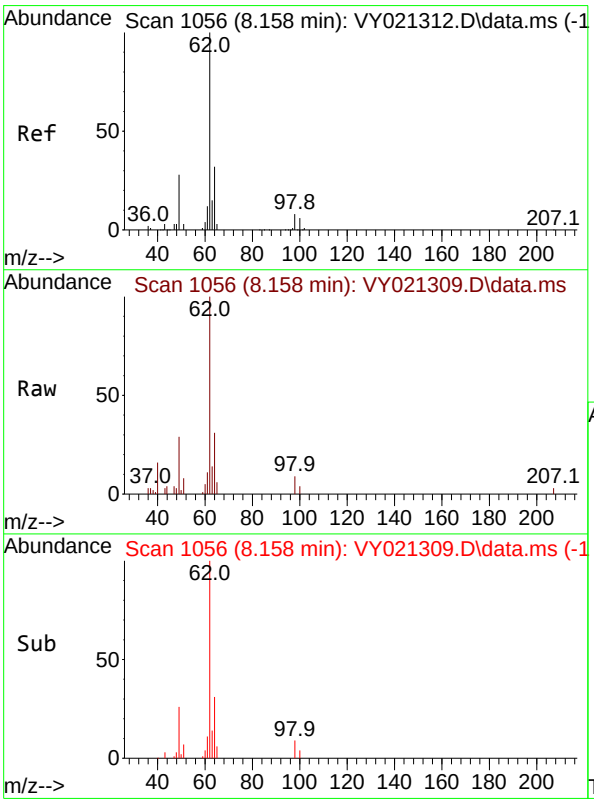
#41
Methacrylonitrile
Concen: 3.574 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 2838

Ion	Ratio	Lower	Upper
41	100		
39	58.3	42.3	63.5
67	89.5	54.8	82.2#
52	0.0	24.6	37.0#

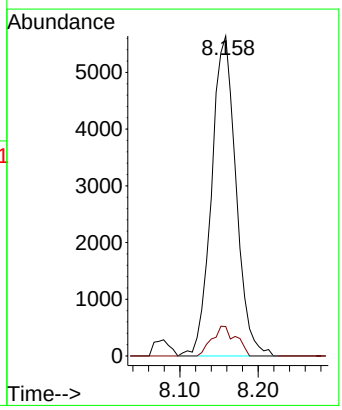


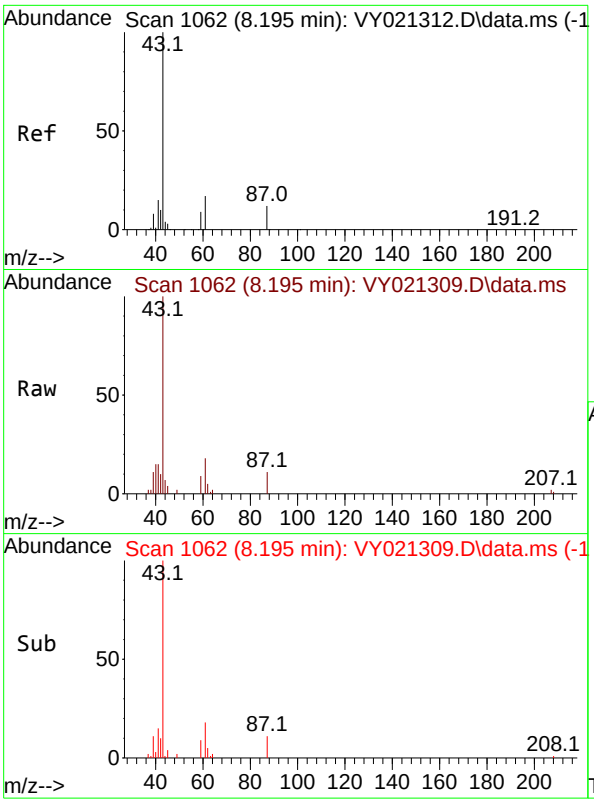


#42
1,2-Dichloroethane
Concen: 5.110 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 62 Resp: 12236

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6



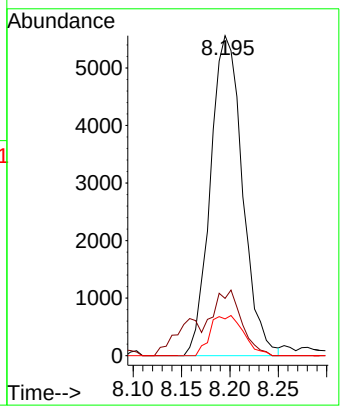


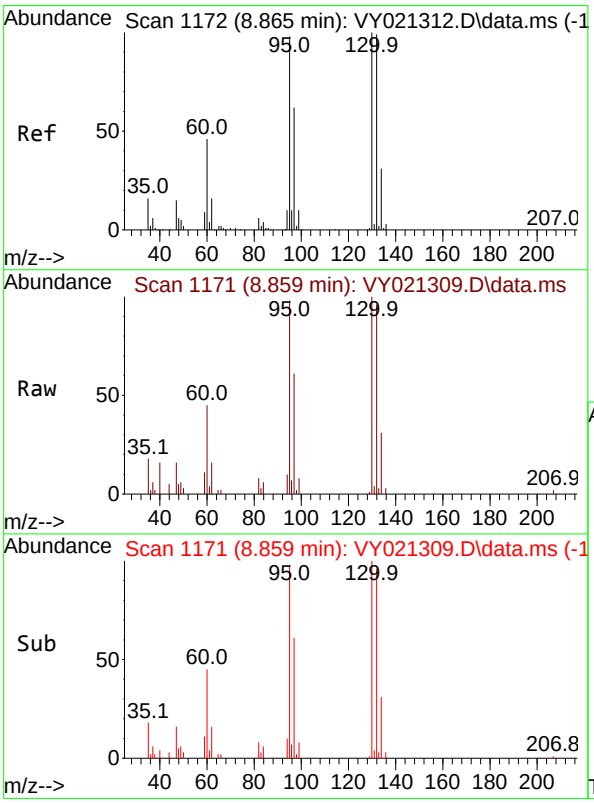
#43
Isopropyl Acetate
Concen: 4.668 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 12832

Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.0	22.6
87	13.0	10.0	15.0

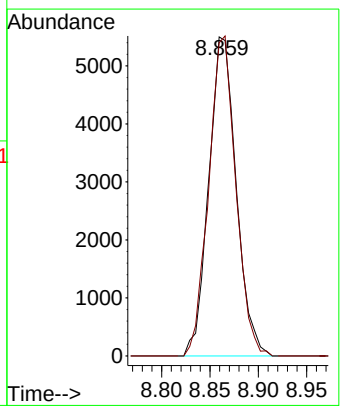


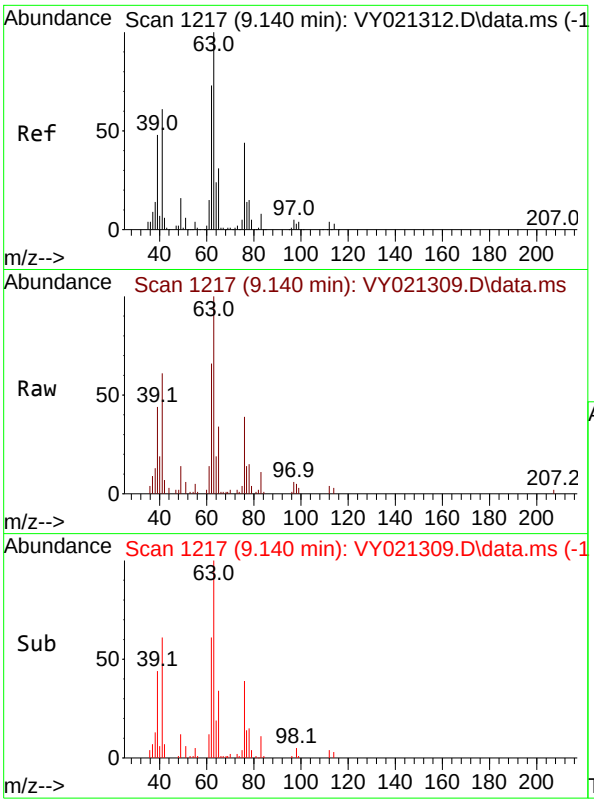


#44
Trichloroethene
Concen: 5.143 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:130 Resp: 10868

Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	196.0



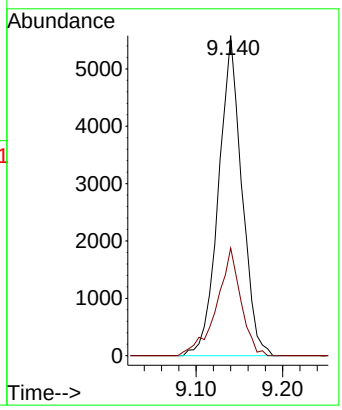


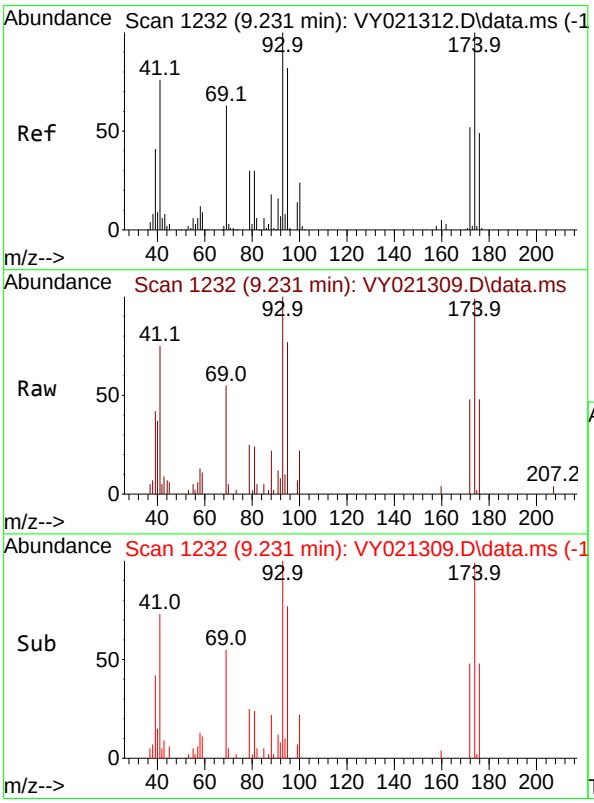
#45
1,2-Dichloropropane
Concen: 5.133 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 10426

Ion	Ratio	Lower	Upper
63	100		
65	33.6	24.6	36.8

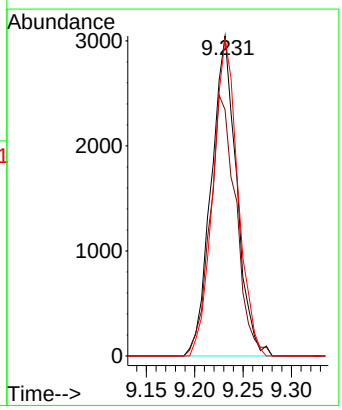


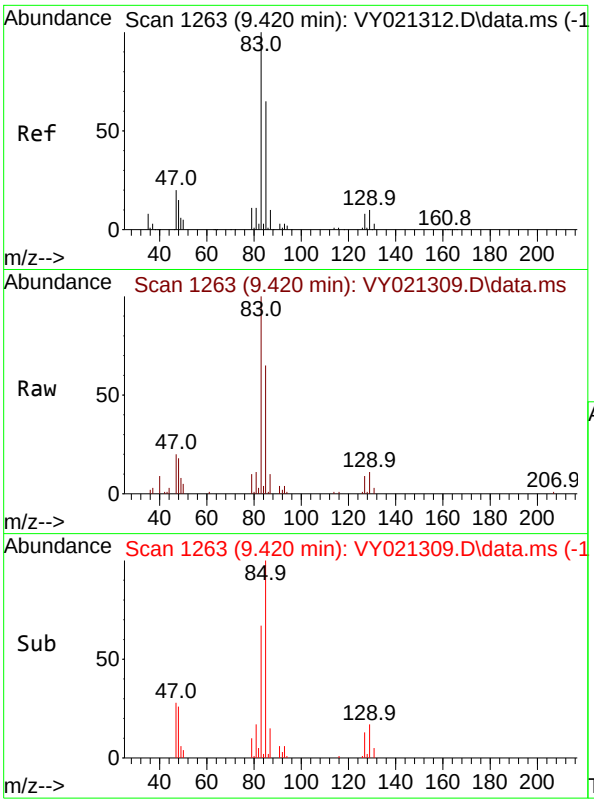


#46
Dibromomethane
Concen: 5.005 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 93 Resp: 5557

Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	97.3	78.2	117.2



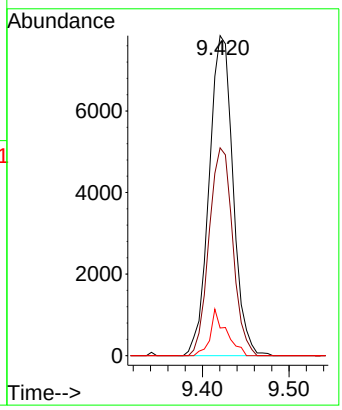


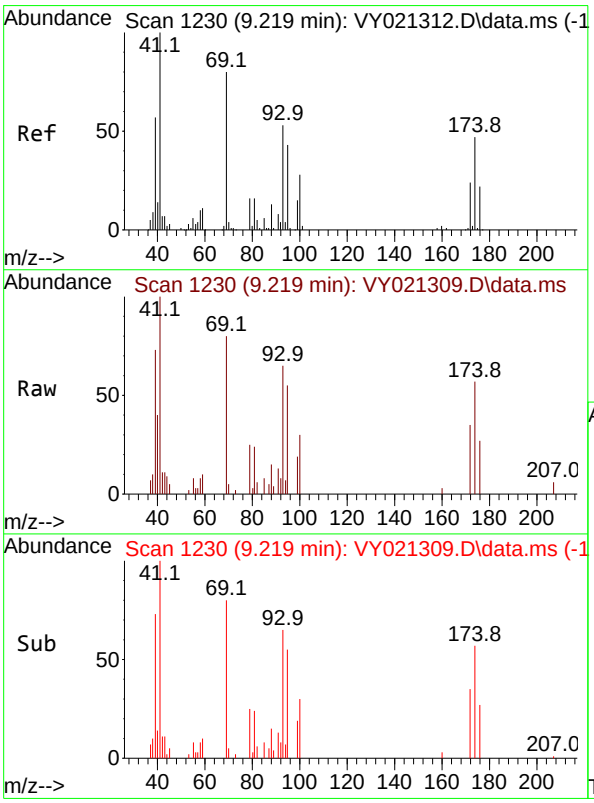
#47
Bromodichloromethane
Concen: 5.081 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15042

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8
127	8.7	6.7	10.1

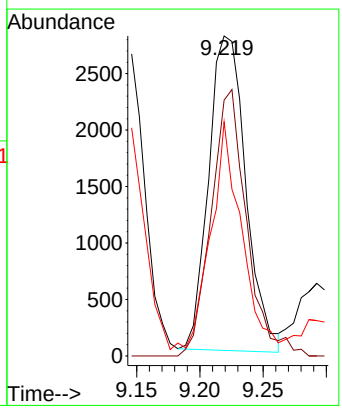


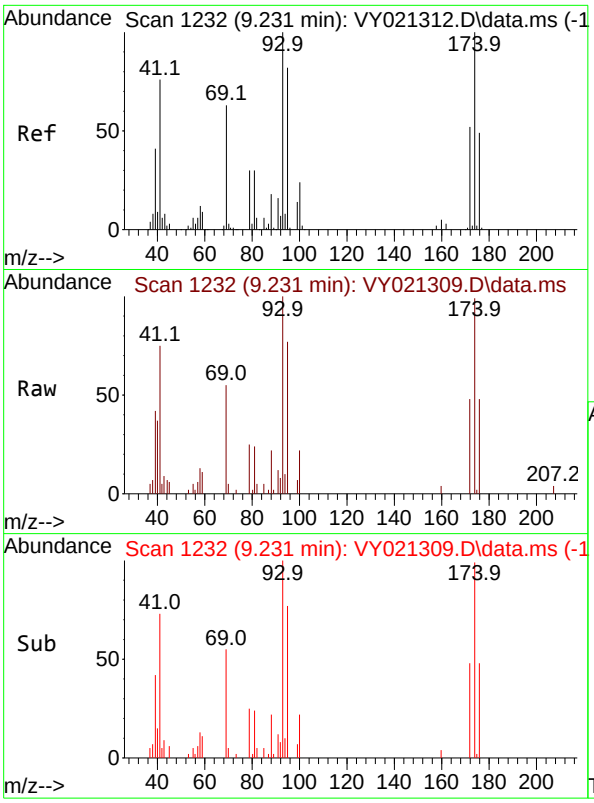


#48
Methyl methacrylate
Concen: 4.433 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 41 Resp: 5698

Ion	Ratio	Lower	Upper
41	100		
69	80.6	63.3	94.9
39	62.7	45.0	67.6



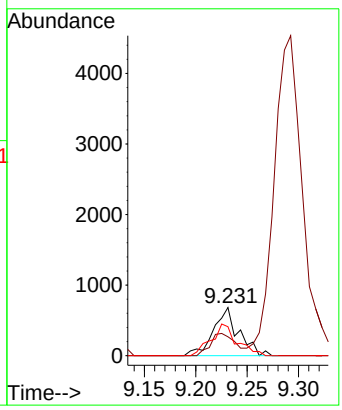


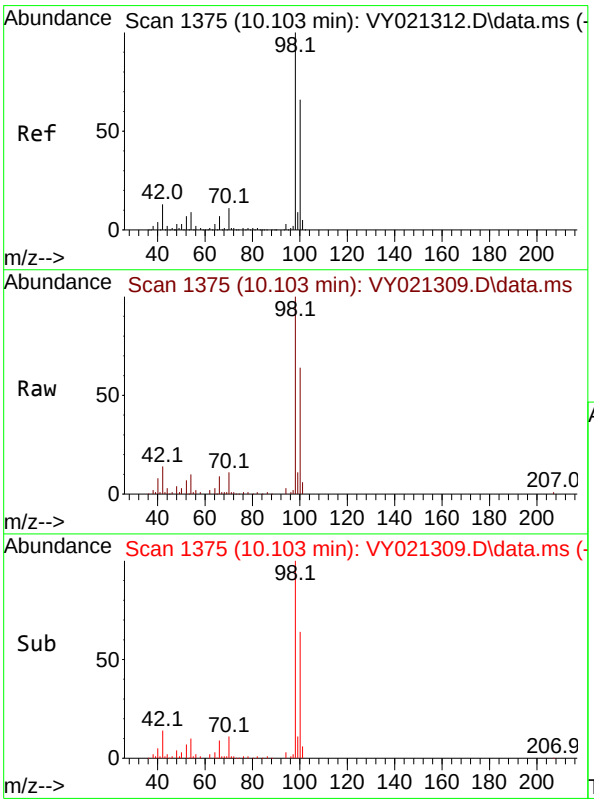
#49
1,4-Dioxane
Concen: 94.292 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 1164

Ion	Ratio	Lower	Upper
88	100		
43	43.6	34.8	52.2
58	67.1	59.8	89.6

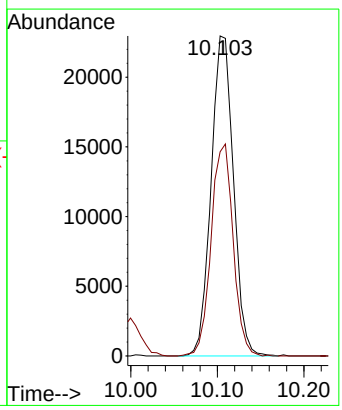


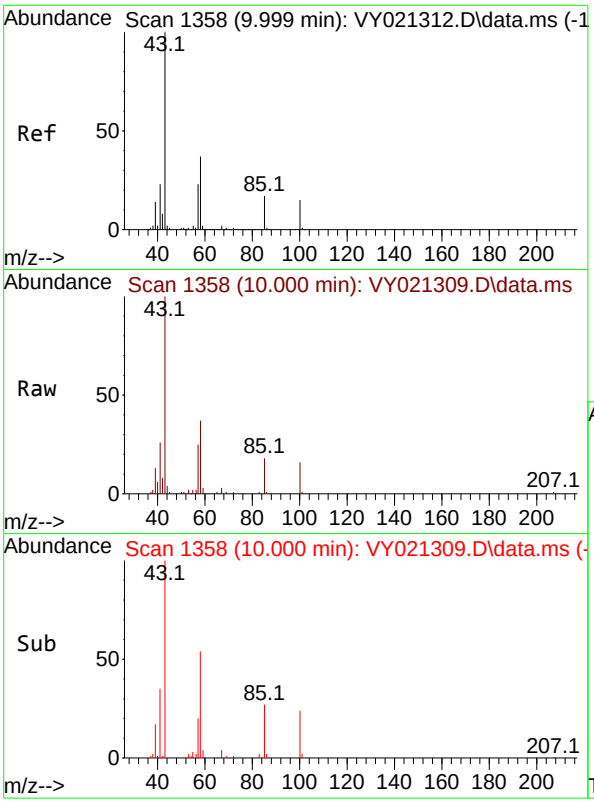


#50
Toluene-d8
Concen: 5.603 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 98 Resp: 41158

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6



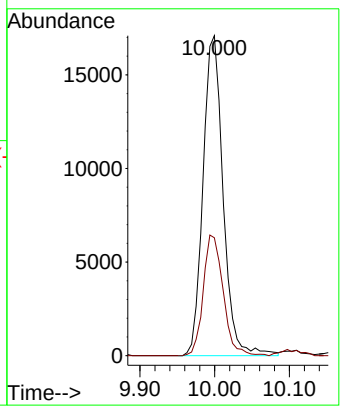


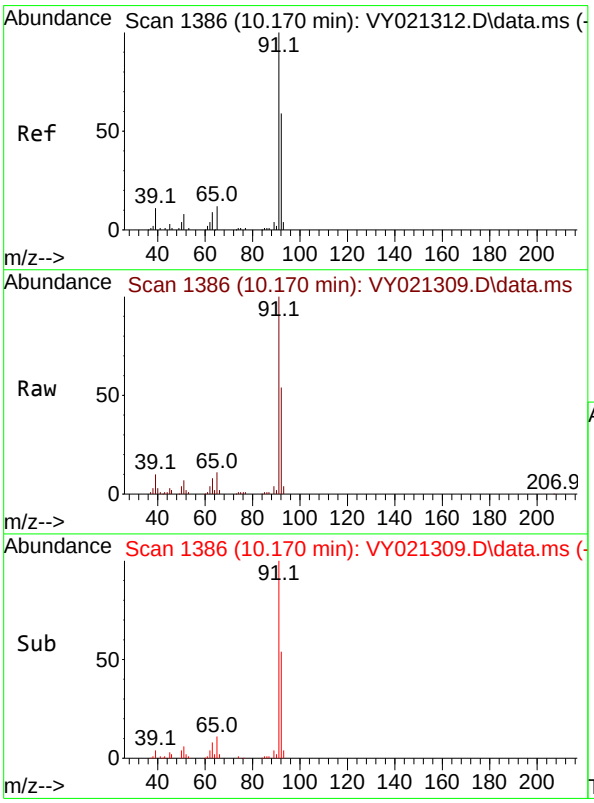
#51
4-Methyl-2-Pentanone
Concen: 22.677 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 31910

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1

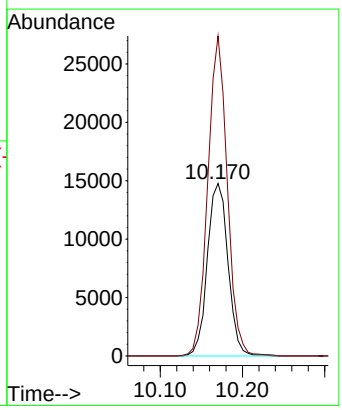


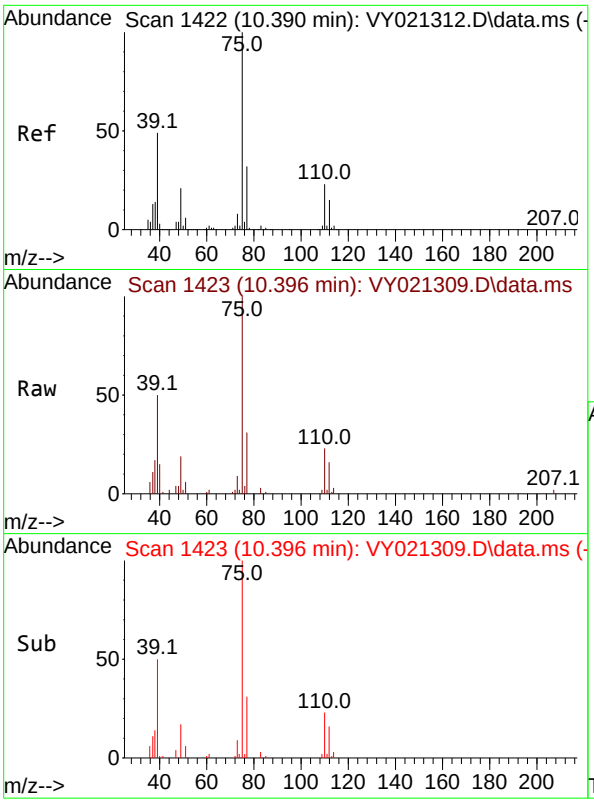


#52
Toluene
Concen: 4.905 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 92 Resp: 25715

Ion	Ratio	Lower	Upper
92	100		
91	175.2	137.8	206.8



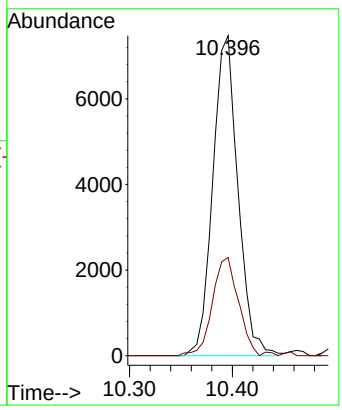


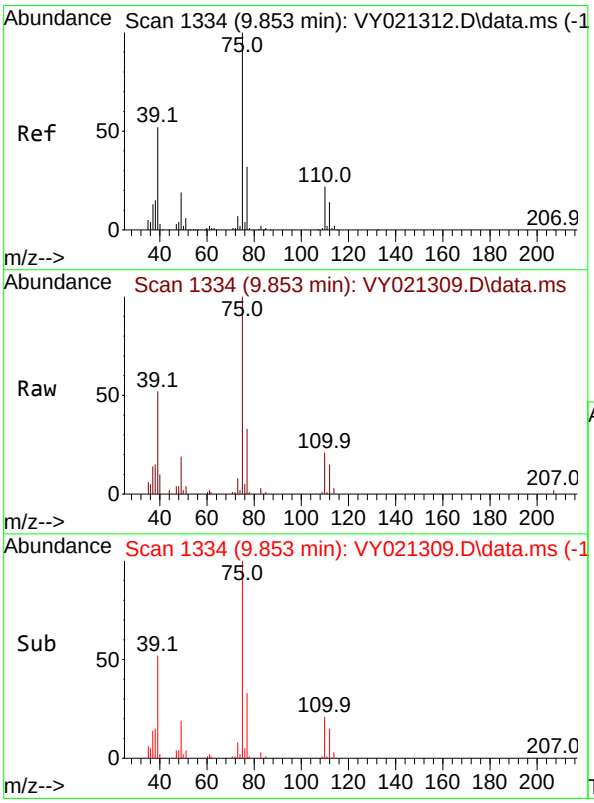
#53
t-1,3-Dichloropropene
Concen: 4.682 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 12697

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9

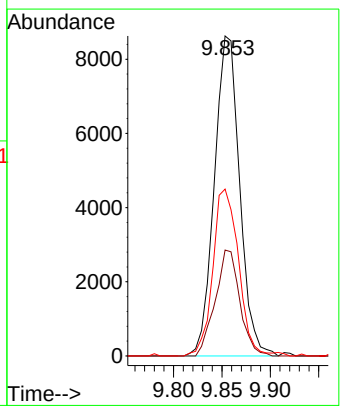


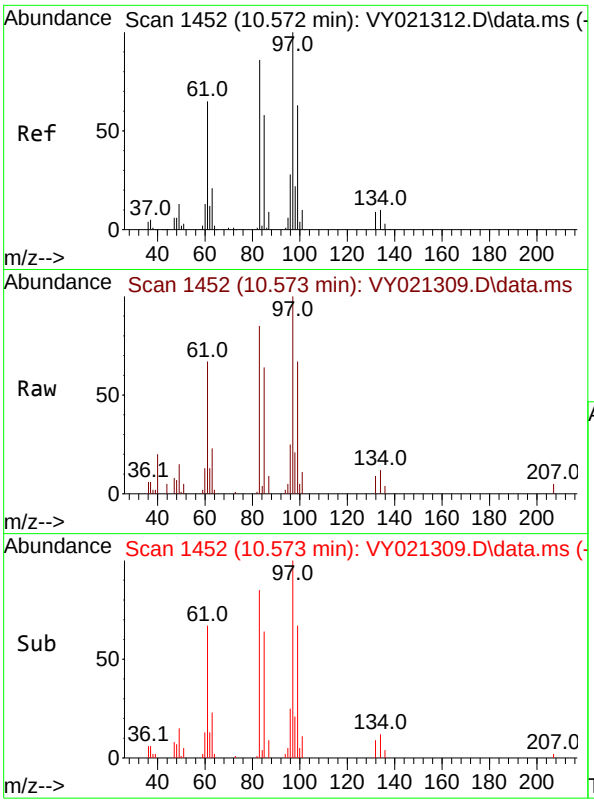


#54
cis-1,3-Dichloropropene
Concen: 4.899 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 15685

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.7	38.5
39	52.2	41.8	62.6



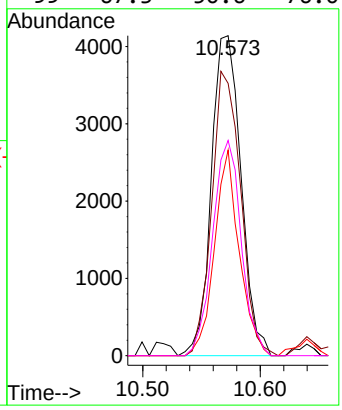


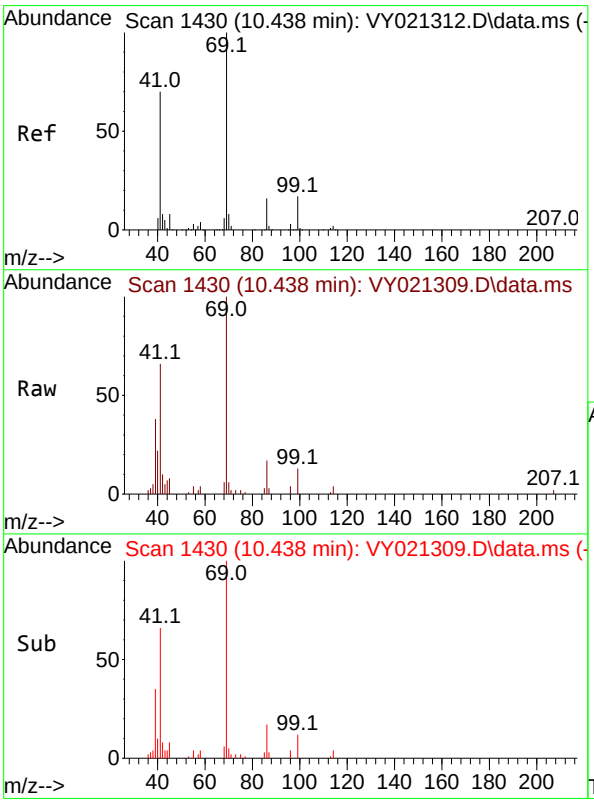
#55
1,1,2-Trichloroethane
Concen: 5.019 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 7259

Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.7	103.1
85	64.3	46.3	69.5
99	67.3	50.6	76.0

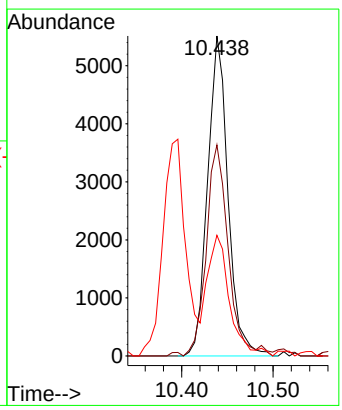


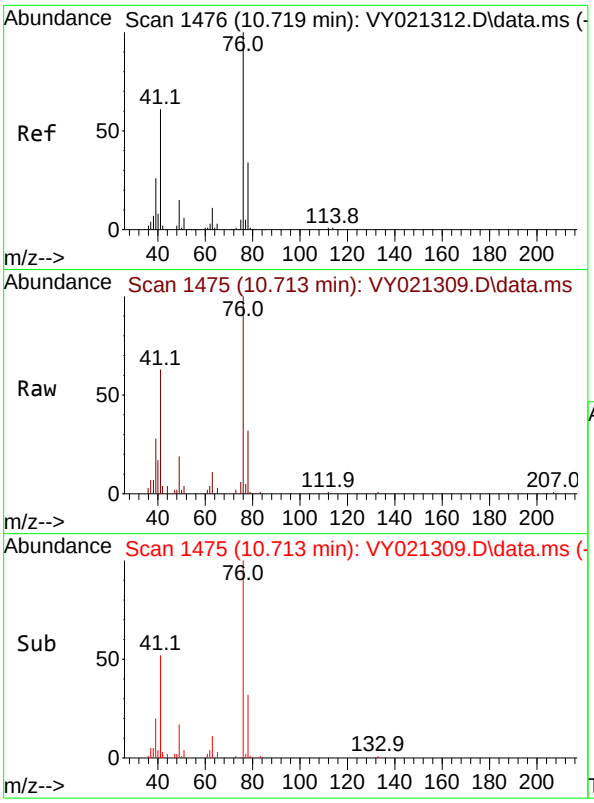


#56
Ethyl methacrylate
Concen: 4.267 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 69 Resp: 8528

Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.2	84.4
39	40.8	32.7	49.1



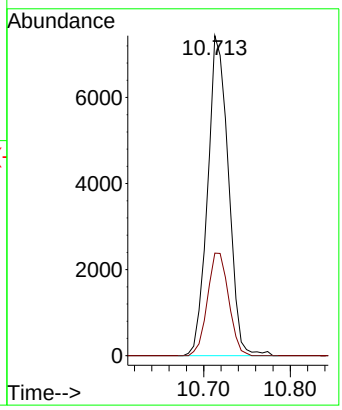


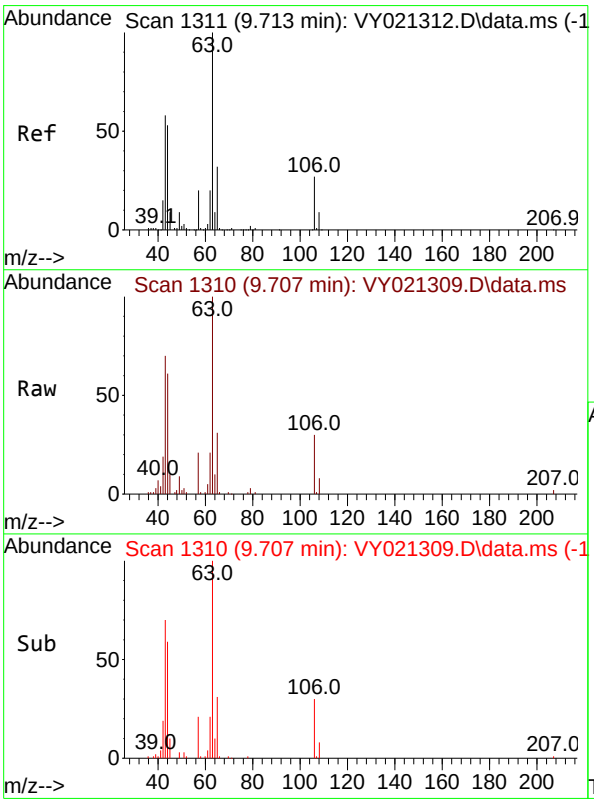
#57
1,3-Dichloropropane
Concen: 4.880 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12384

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9

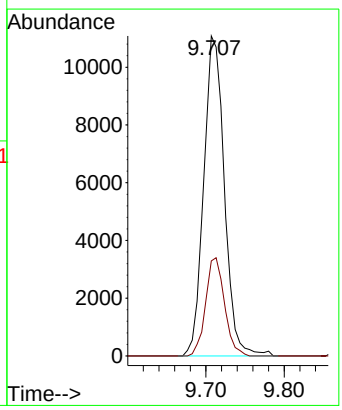


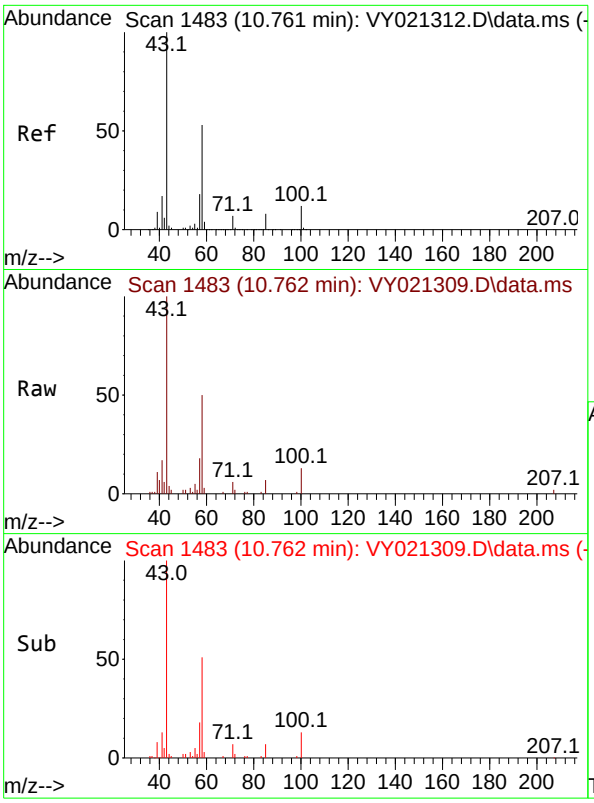


#58
2-Chloroethyl Vinyl ether
Concen: 21.153 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 63 Resp: 20290

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.7	32.5



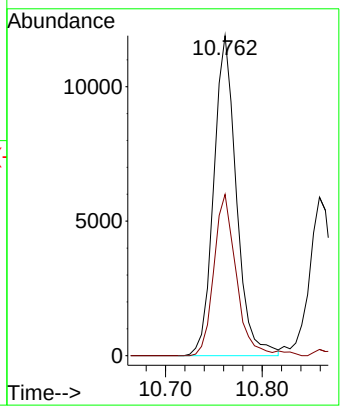


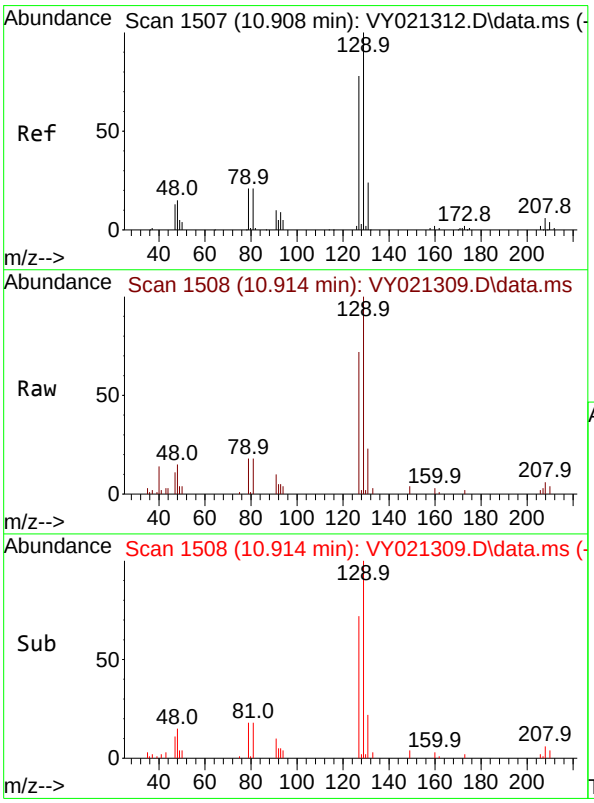
#59
2-Hexanone
Concen: 20.897 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19312

Ion	Ratio	Lower	Upper
43	100		
58	49.3	25.9	77.6

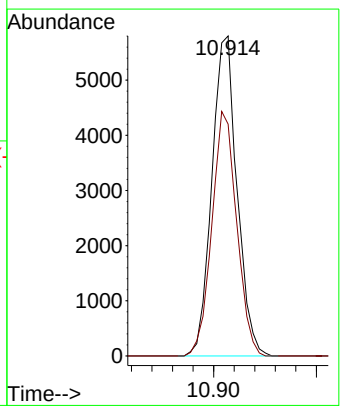


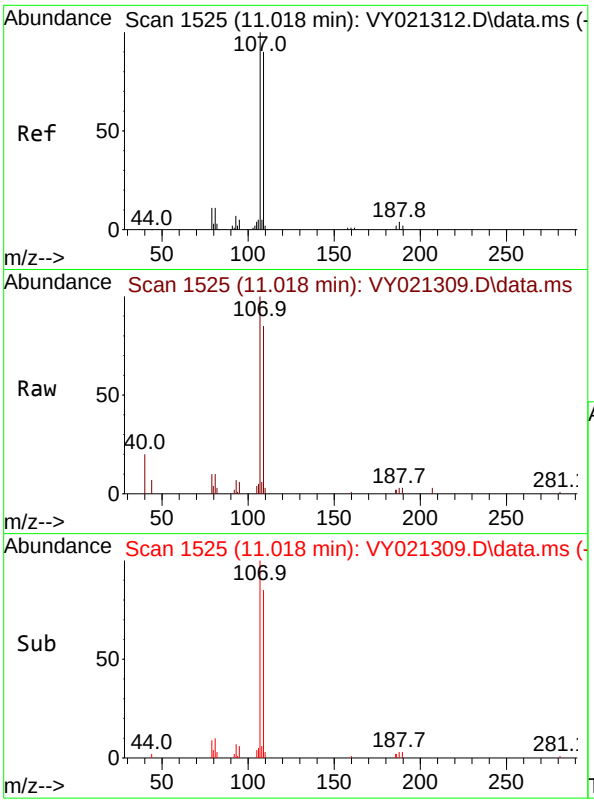


#60
Dibromochloromethane
Concen: 4.998 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:129 Resp: 9844

Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.8	116.4



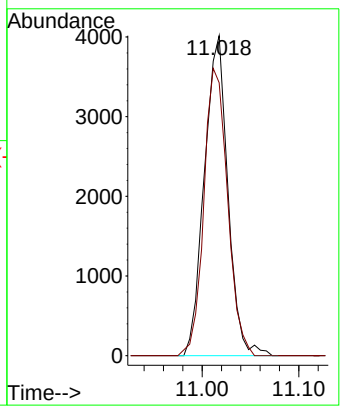


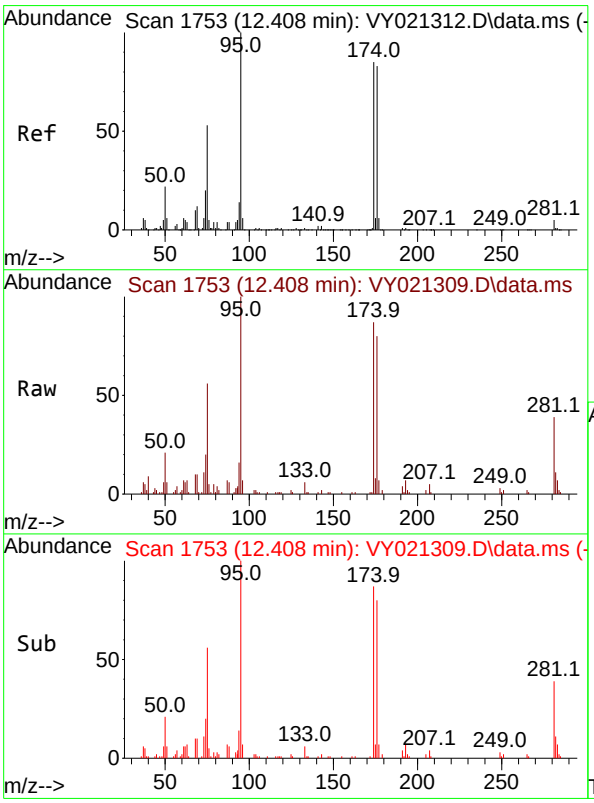
#61
1,2-Dibromoethane
Concen: 4.960 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 6792

Ion	Ratio	Lower	Upper
107	100		
109	90.5	73.8	110.8

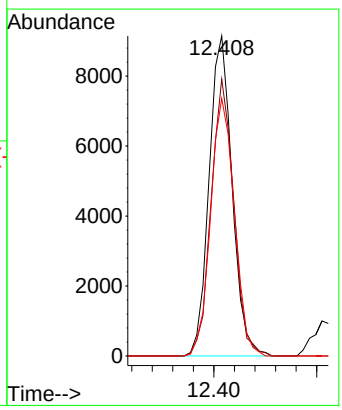


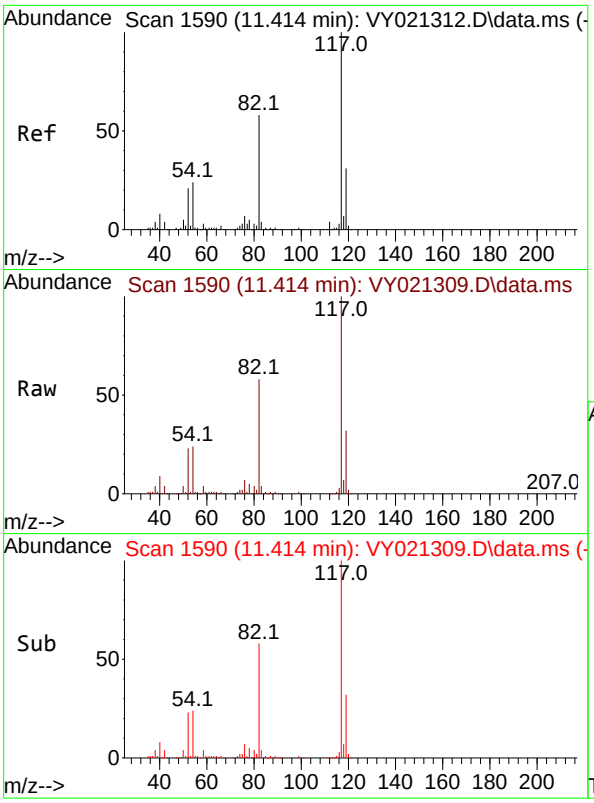


#62
4-Bromofluorobenzene
Concen: 5.741 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 95 Resp: 14192

Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	168.0
176	83.1	0.0	162.6



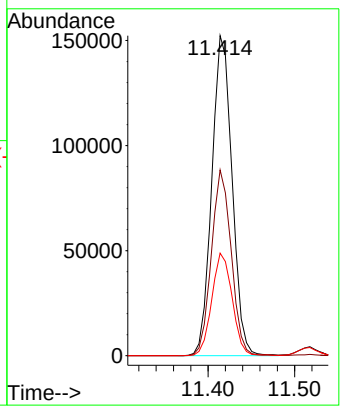


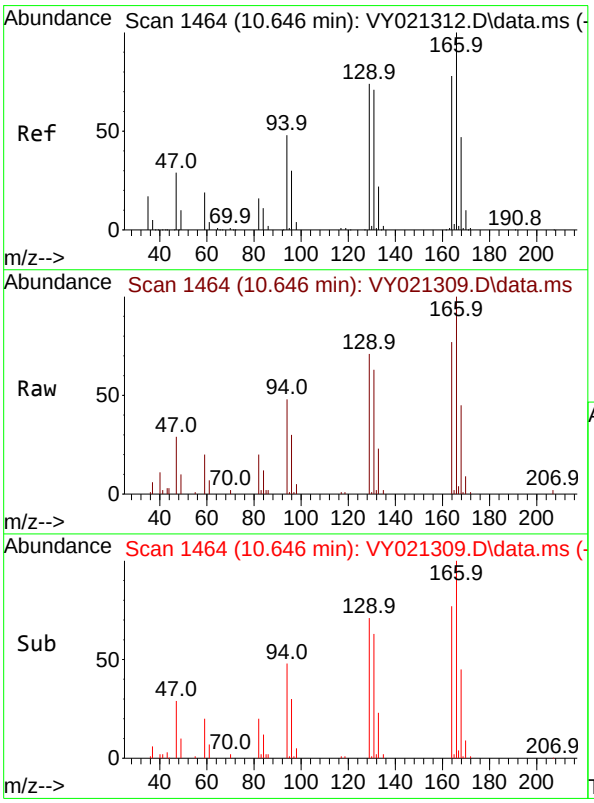
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 247837

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.2	69.4
119	32.0	24.9	37.3

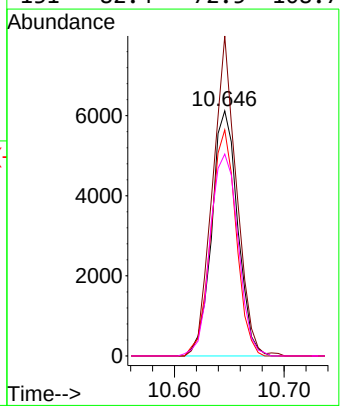


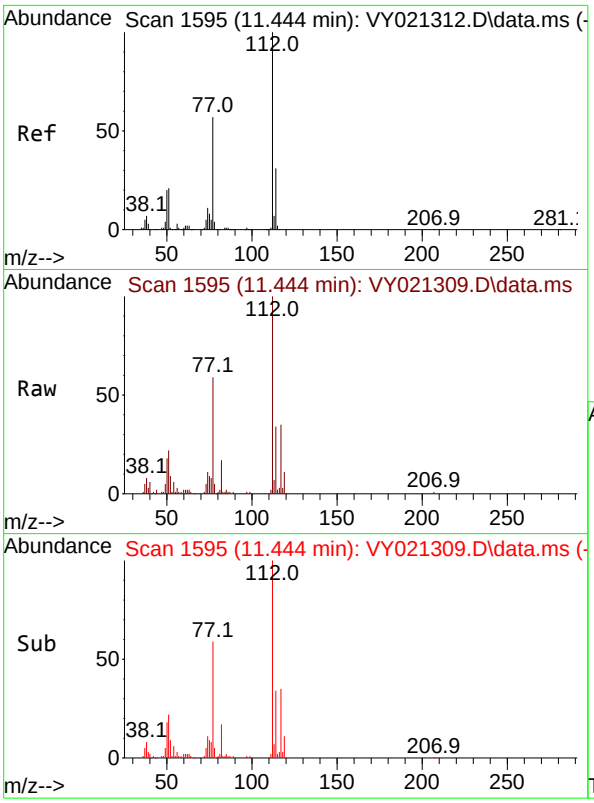


#64
Tetrachloroethene
Concen: 5.361 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:164 Resp: 10042

Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.9	152.9
129	92.3	75.5	113.3
131	82.4	72.5	108.7



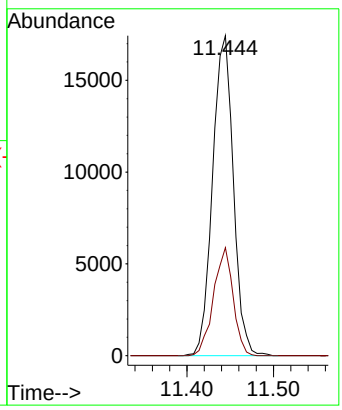


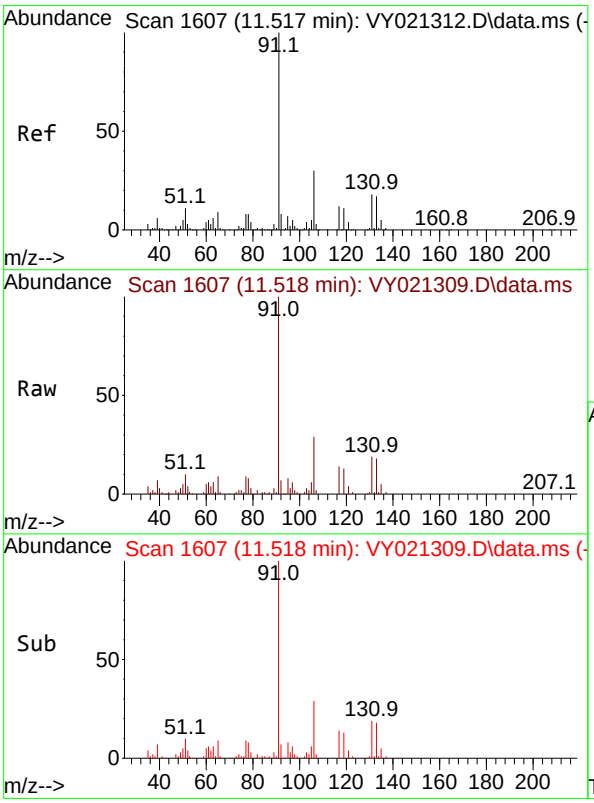
#65
Chlorobenzene
Concen: 5.217 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 29025

Ion	Ratio	Lower	Upper
112	100		
114	33.8	25.0	37.6

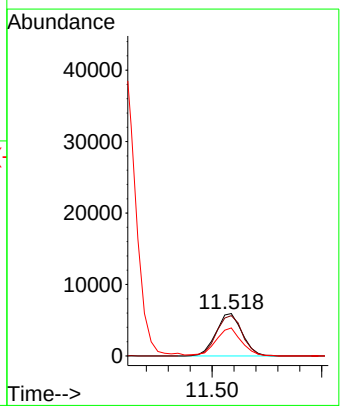


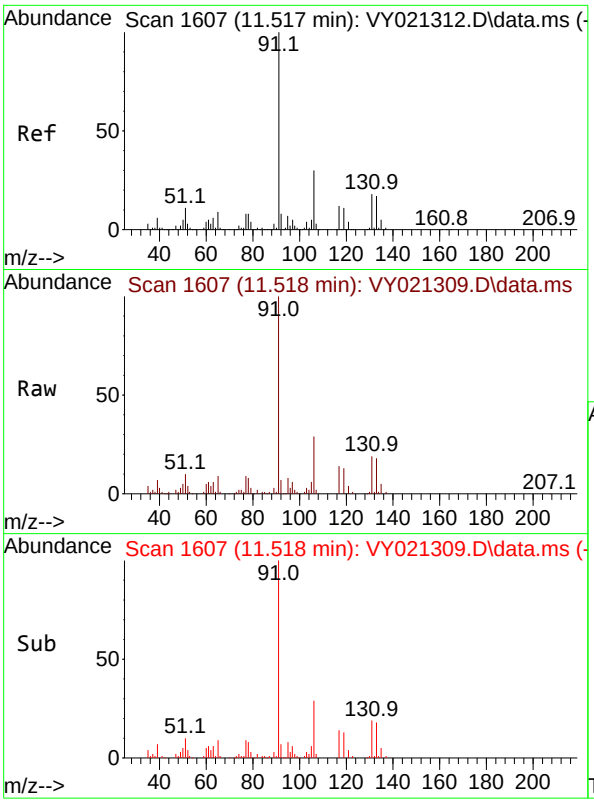


#66
1,1,1,2-Tetrachloroethane
Concen: 5.043 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:131 Resp: 9824

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.6
119	64.5	31.7	95.1



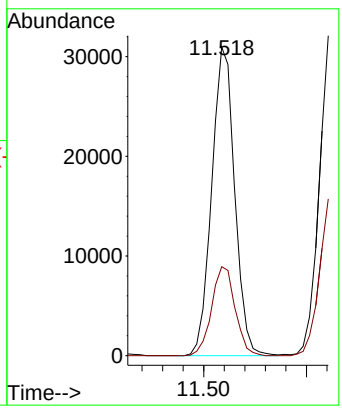


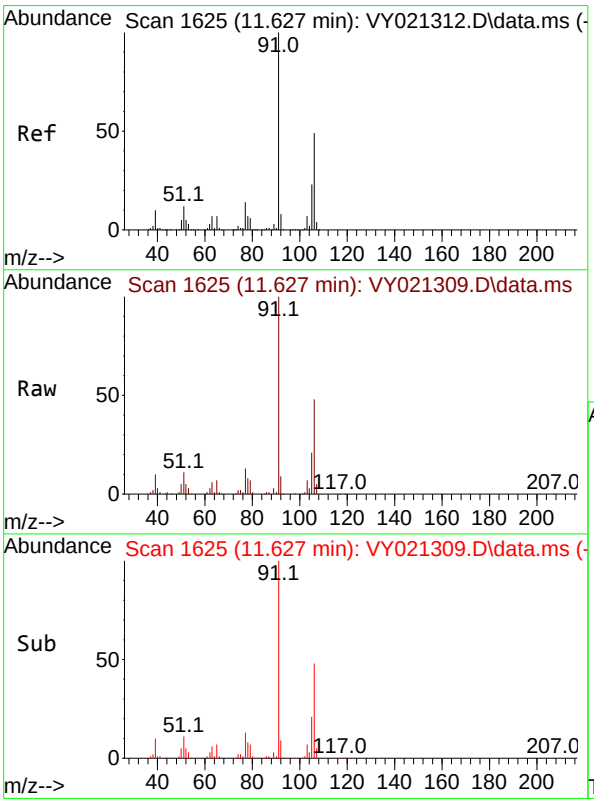
#67
Ethyl Benzene
Concen: 4.874 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 48026

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.4	36.6

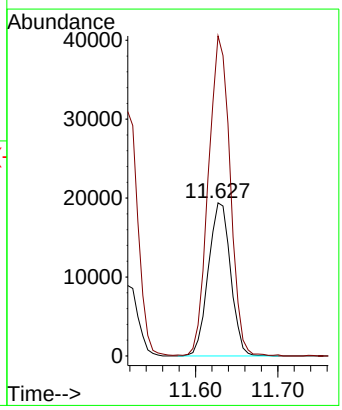


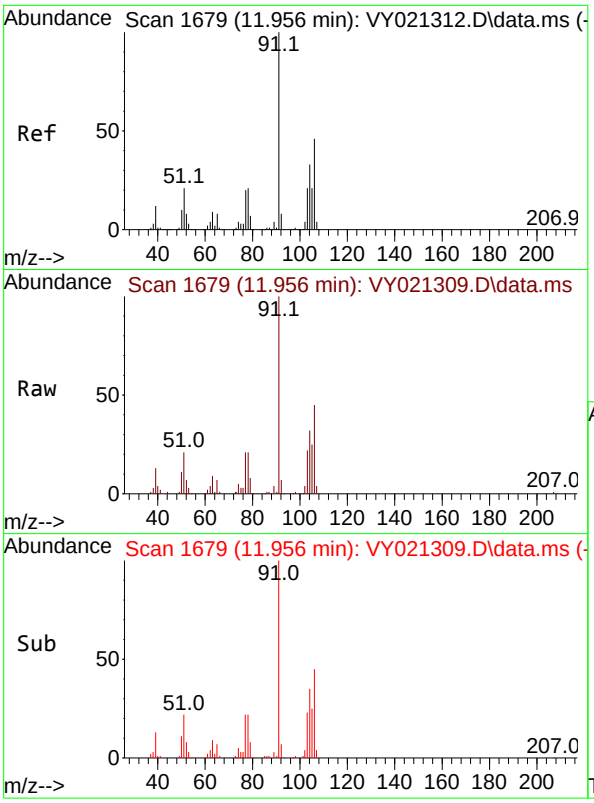


#68
m/p-Xylenes
Concen: 9.833 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:106 Resp: 36446

Ion	Ratio	Lower	Upper
106	100		
91	205.1	163.9	245.9



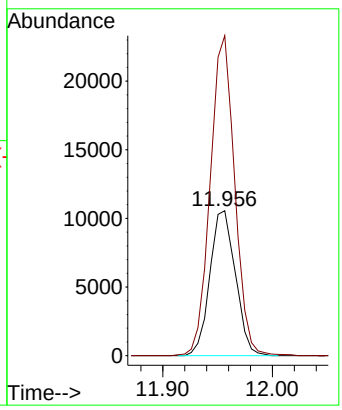


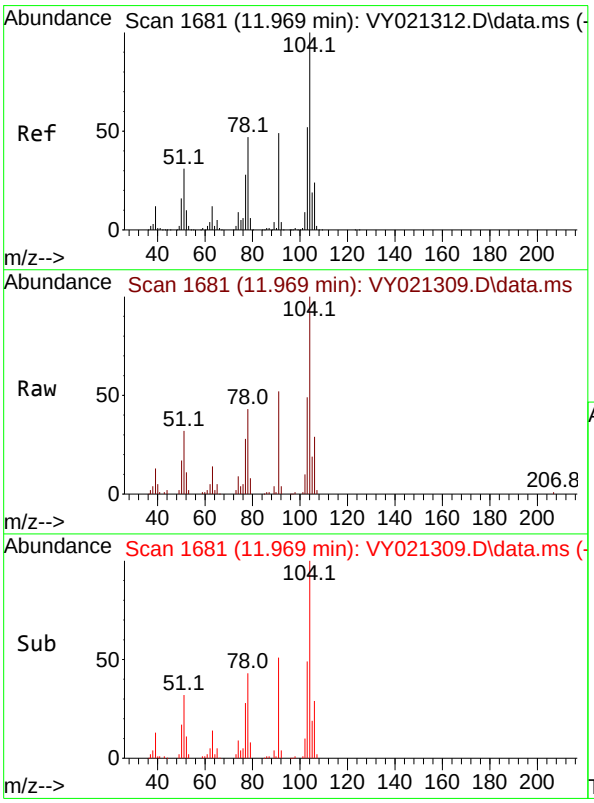
#69
o-Xylene
Concen: 4.920 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 17085

Ion	Ratio	Lower	Upper
106	100		
91	211.7	108.1	324.2

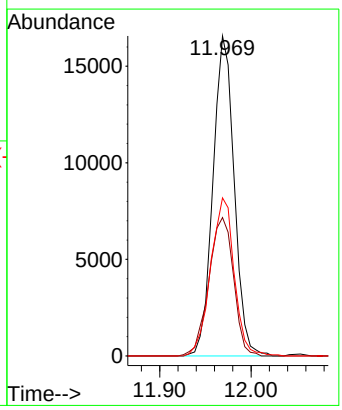


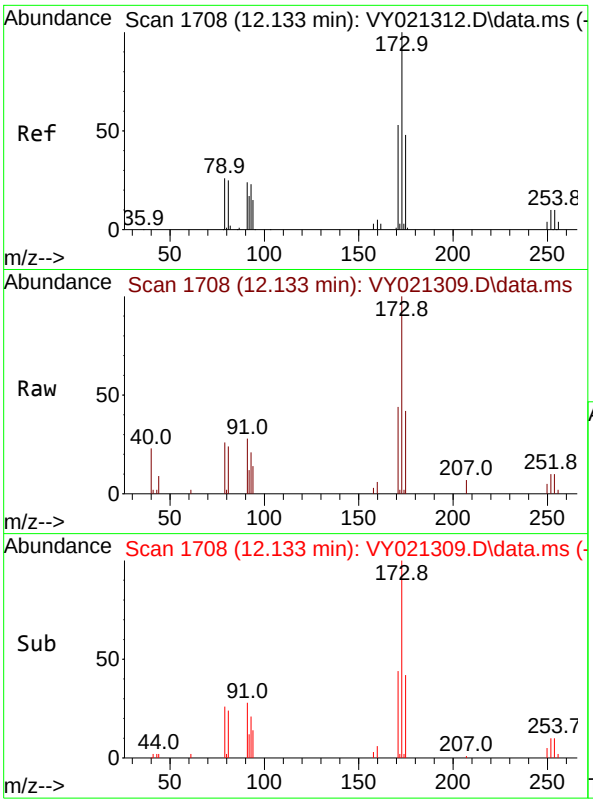


#70
Styrene
Concen: 4.637 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:104 Resp: 26787

Ion	Ratio	Lower	Upper
104	100		
78	50.1	41.3	61.9
103	54.9	43.9	65.9



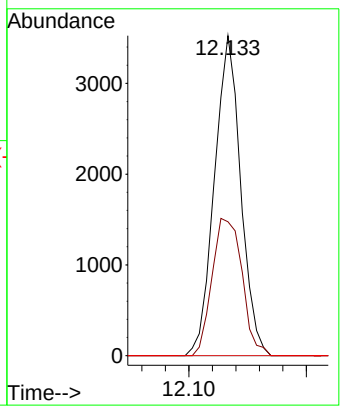


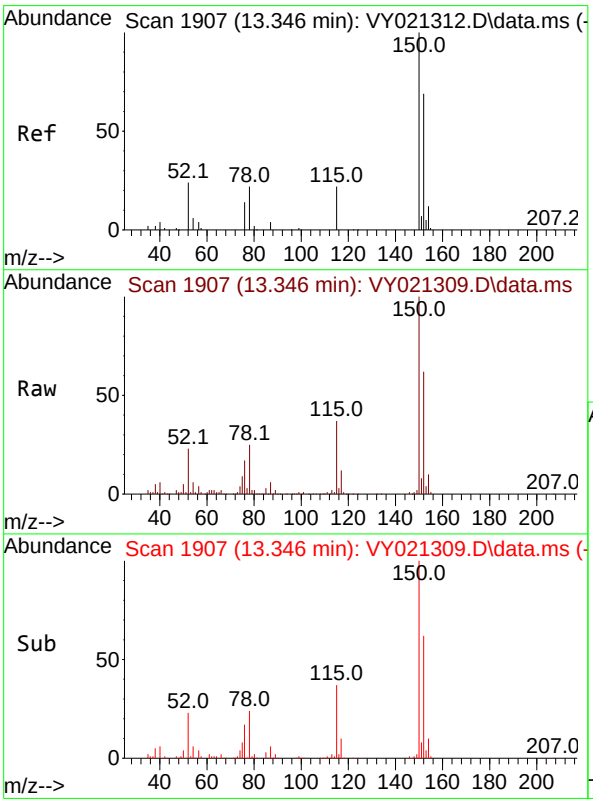
#71
Bromoform
Concen: 4.916 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 5478

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.0	0.1	0.1#

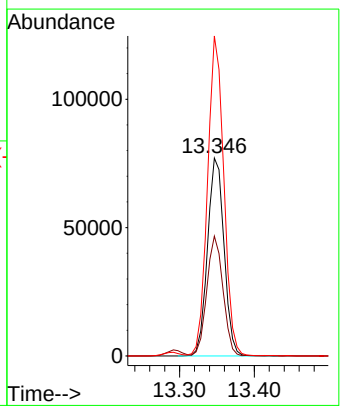


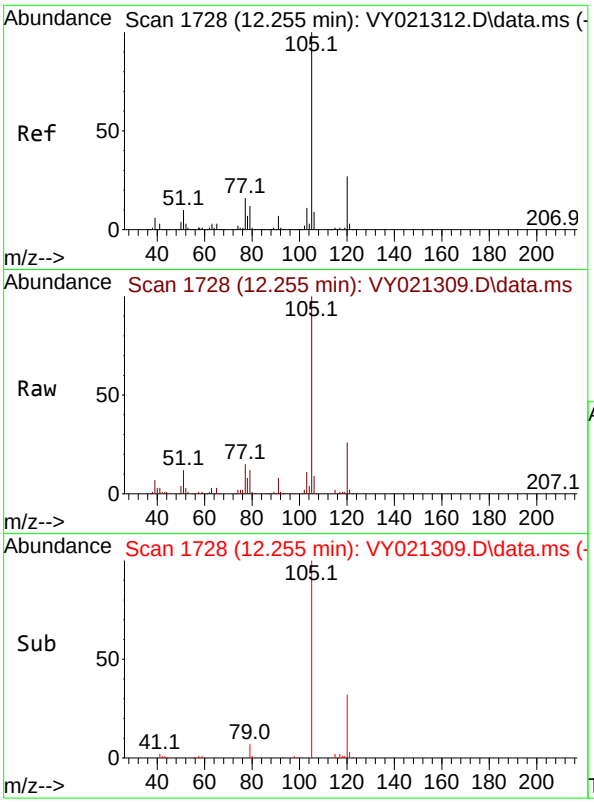


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:152 Resp: 118690

Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.3	88.0
150	158.5	0.0	347.4



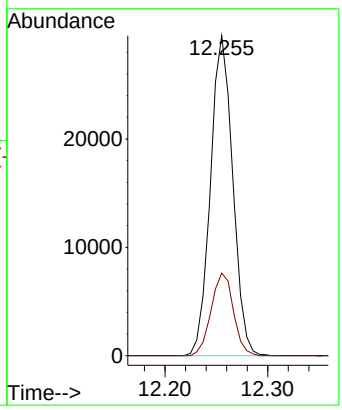


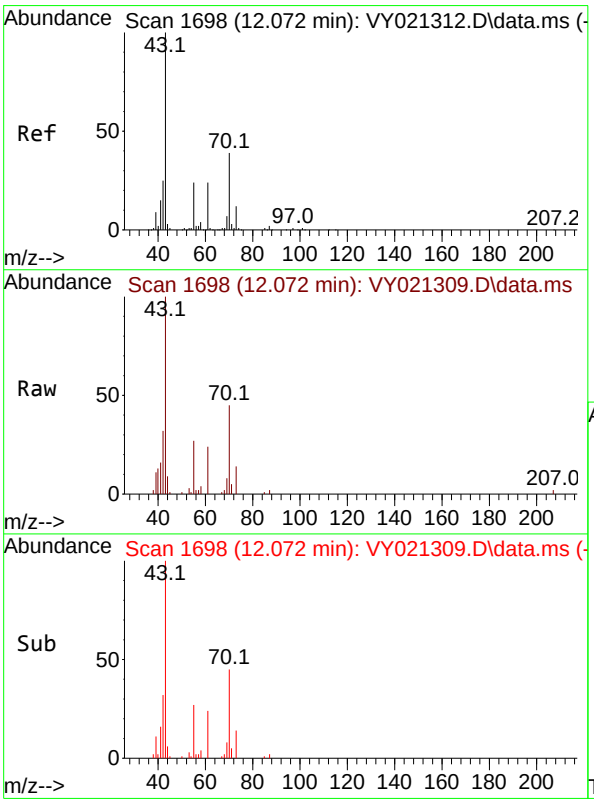
#73
Isopropylbenzene
Concen: 4.980 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 44434

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8

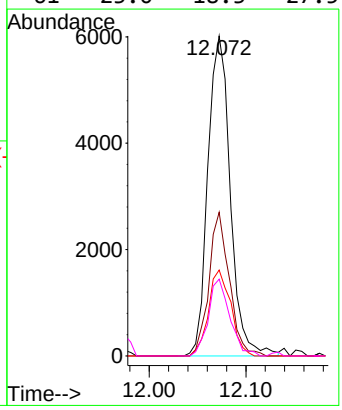


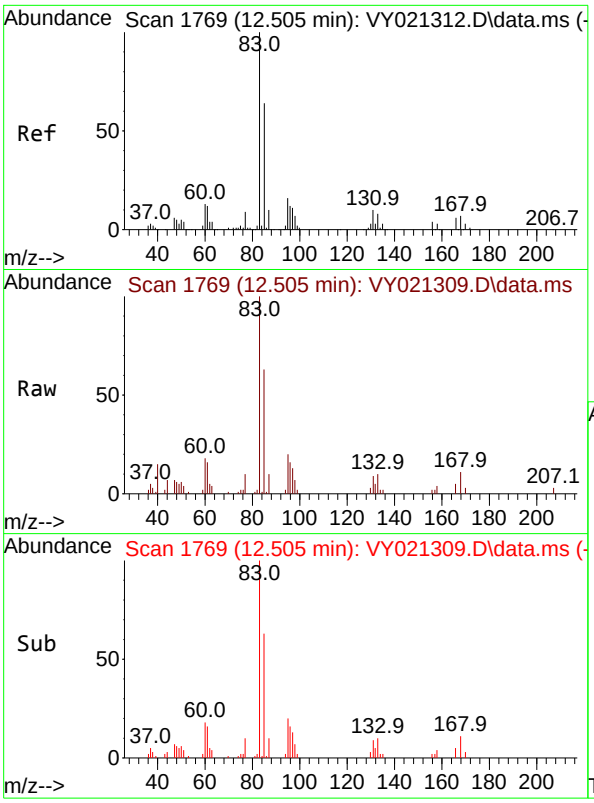


#74
N-amyl acetate
Concen: 4.283 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 43 Resp: 9713

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.2	48.2
55	26.7	19.6	29.4
61	23.0	18.3	27.5



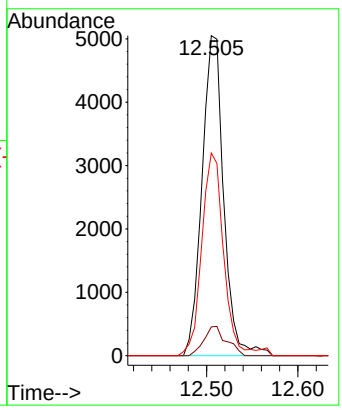


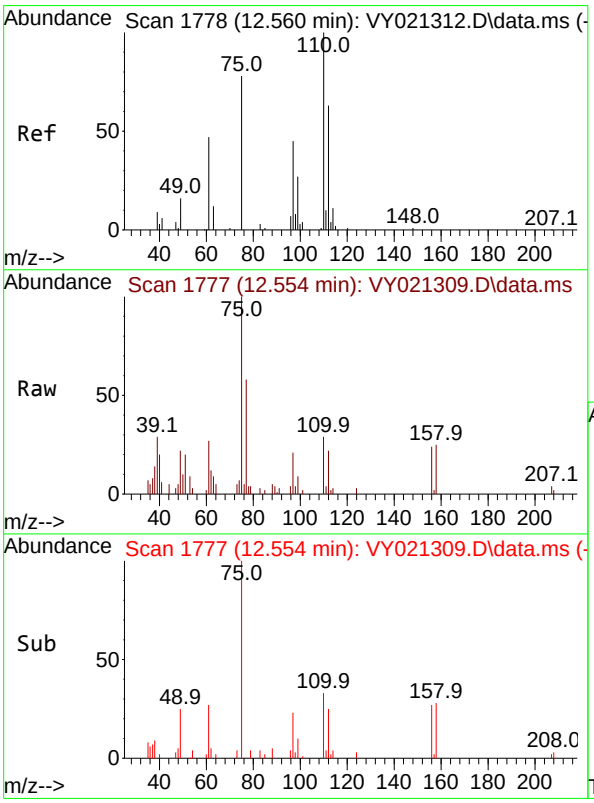
#75
1,1,2,2-Tetrachloroethane
Concen: 5.276 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 8309

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.2	15.6
85	63.4	32.0	96.0

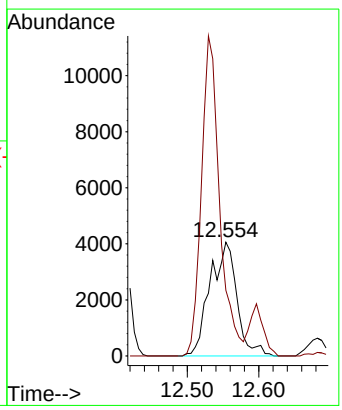


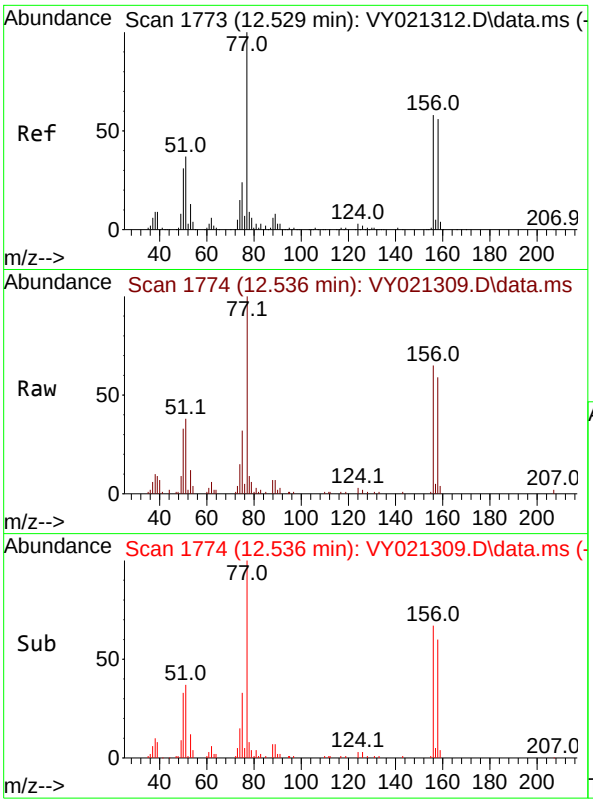


#76
1,2,3-Trichloropropane
Concen: 8.890 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 10626

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



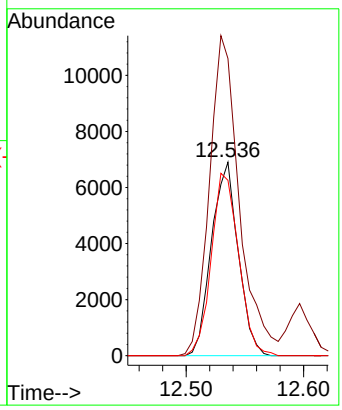


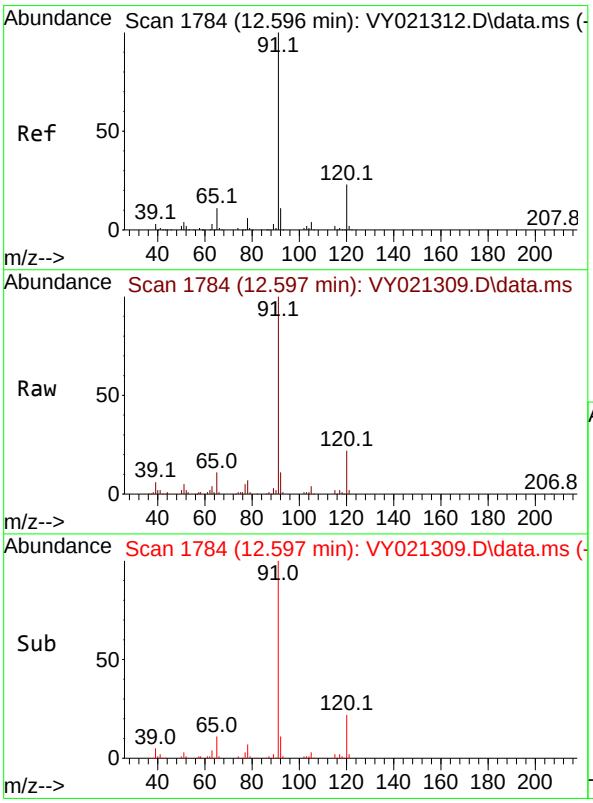
#77
Bromobenzene
Concen: 5.257 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 10911

Ion	Ratio	Lower	Upper
156	100		
77	185.6	94.0	282.1
158	96.6	48.7	146.1

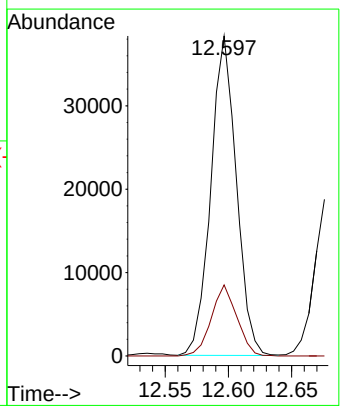


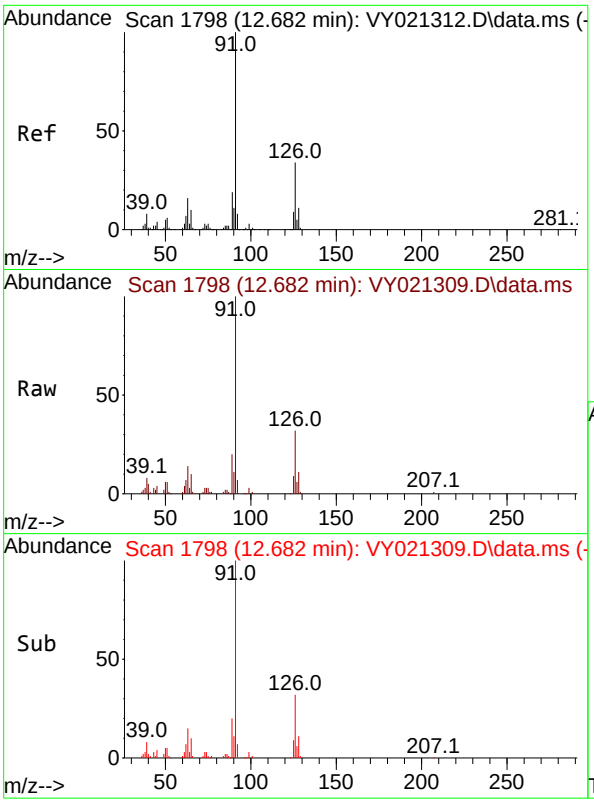


#78
n-propylbenzene
Concen: 4.968 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 53794

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.5



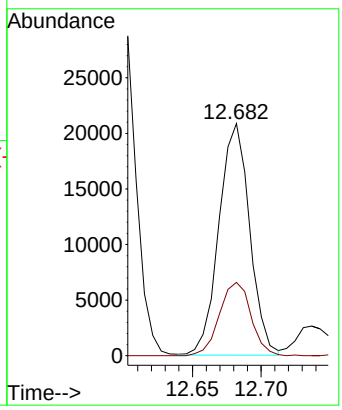


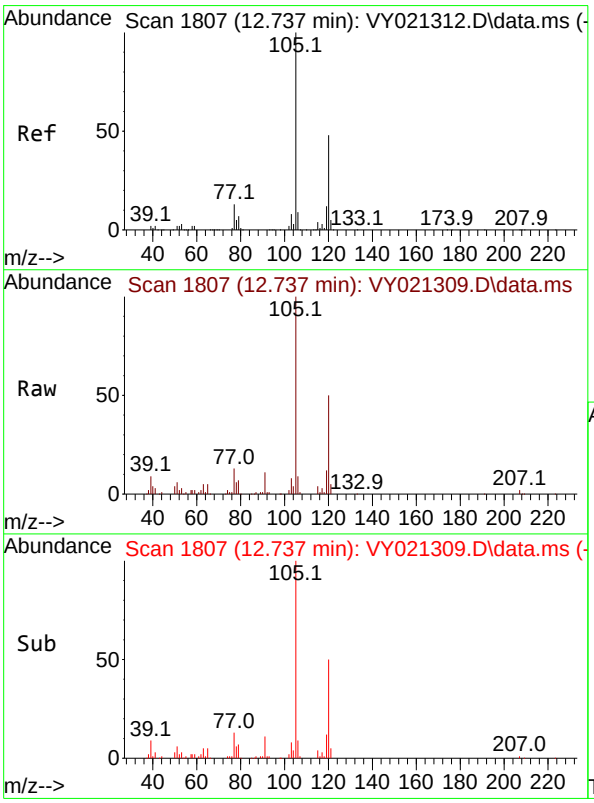
#79
2-Chlorotoluene
Concen: 5.235 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 32529

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.9	50.6

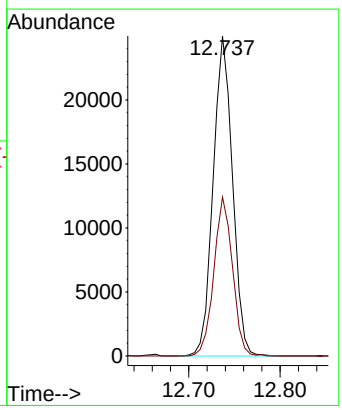


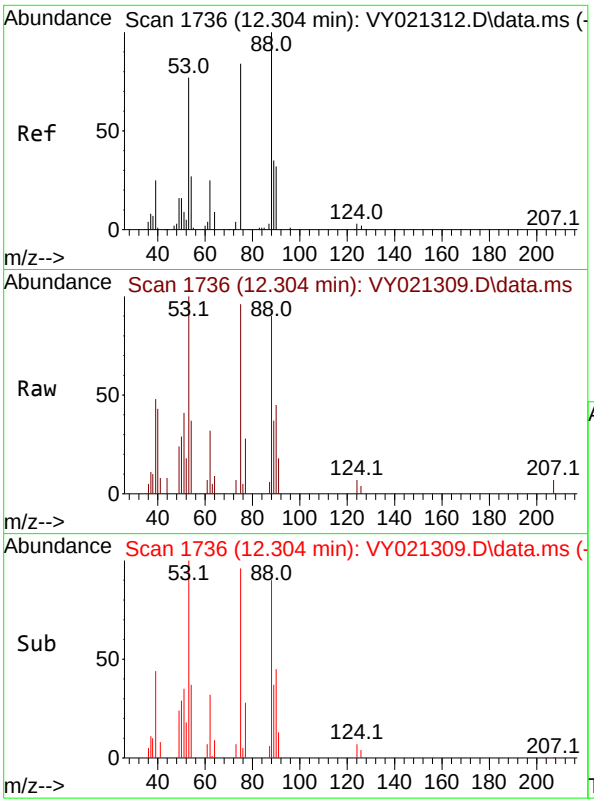


#80
1,3,5-Trimethylbenzene
Concen: 5.014 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 36696

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	73.0



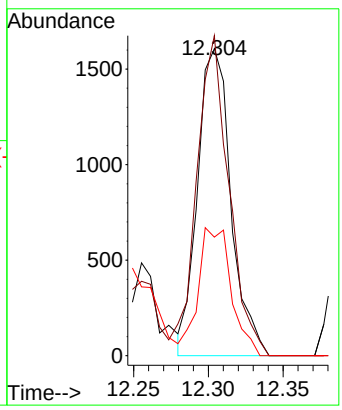


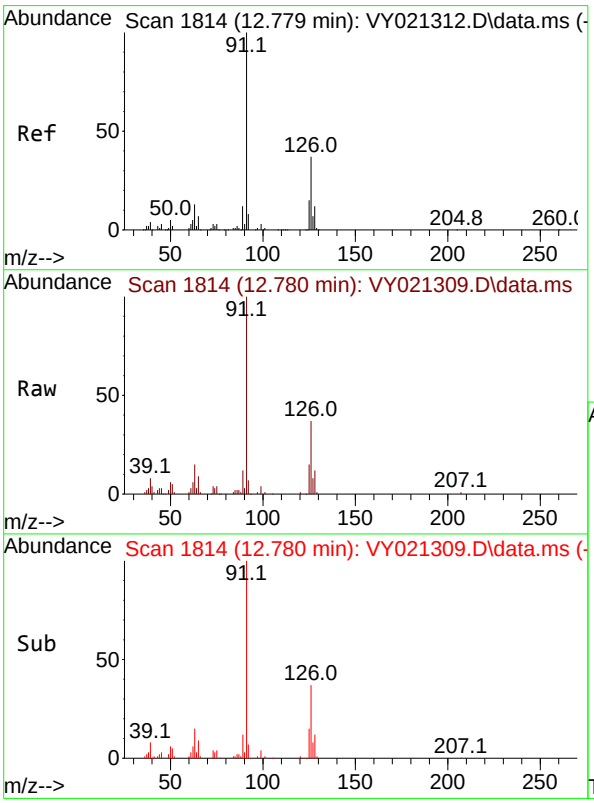
#81
trans-1,4-Dichloro-2-butene
Concen: 4.664 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 2493

Ion	Ratio	Lower	Upper
75	100		
53	100.8	79.1	118.7
89	41.2	35.6	53.4

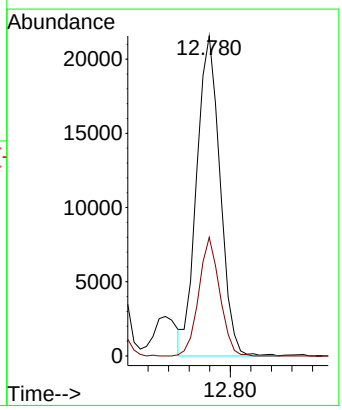


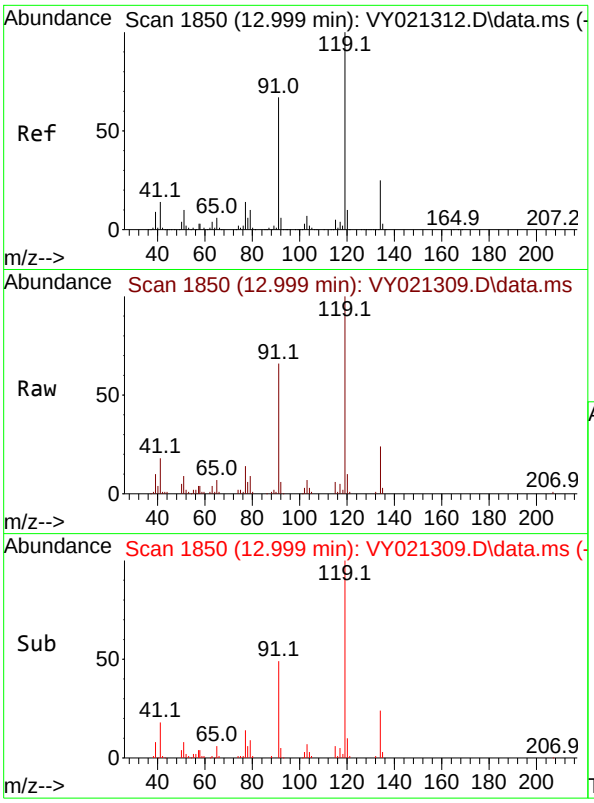


#82
4-Chlorotoluene
Concen: 5.290 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 91 Resp: 34079

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.8	50.4



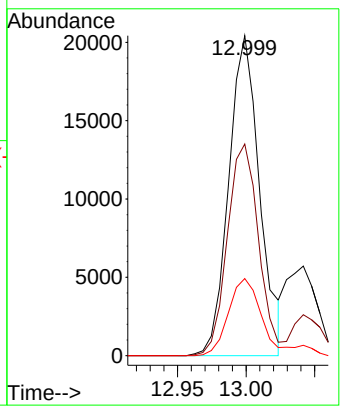


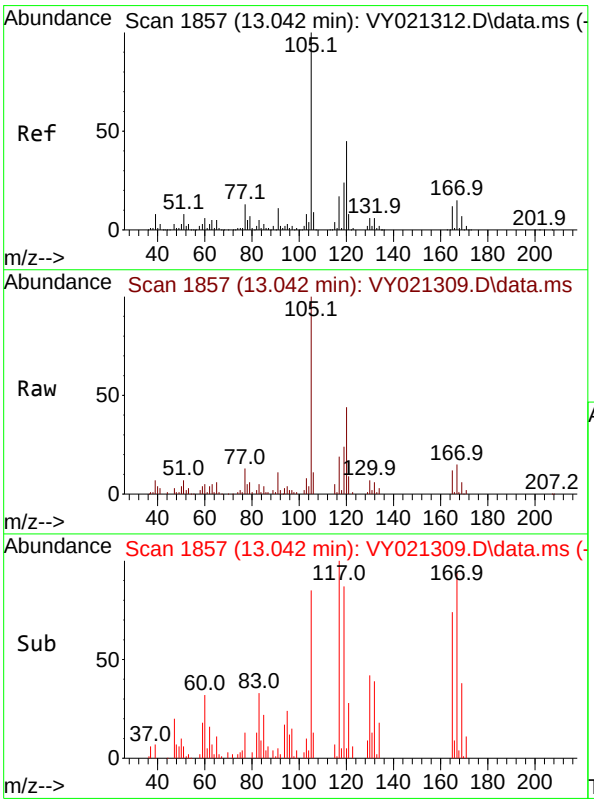
#83
tert-Butylbenzene
Concen: 4.852 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 32078

Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	26.0	13.3	39.9

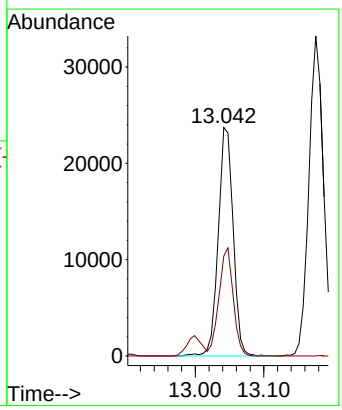


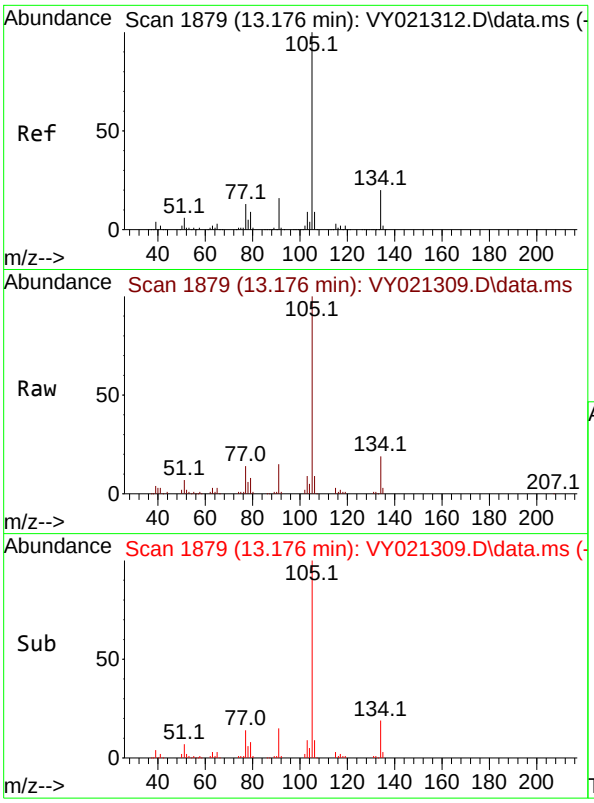


#84
1,2,4-Trimethylbenzene
Concen: 4.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:105 Resp: 35772

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3



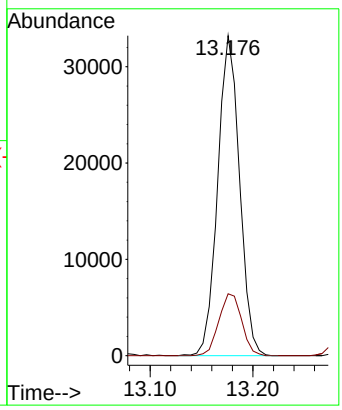


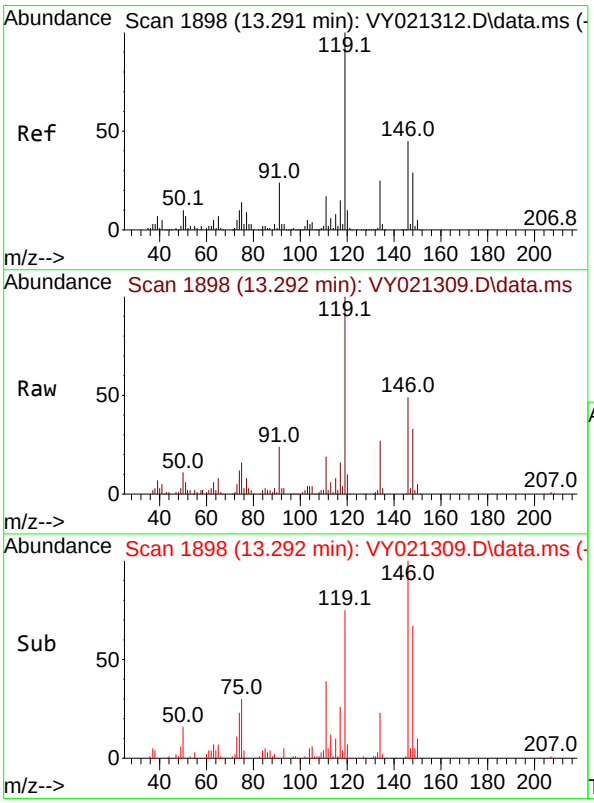
#85
sec-Butylbenzene
Concen: 5.072 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 48977

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

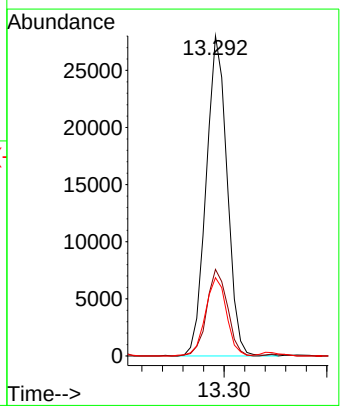


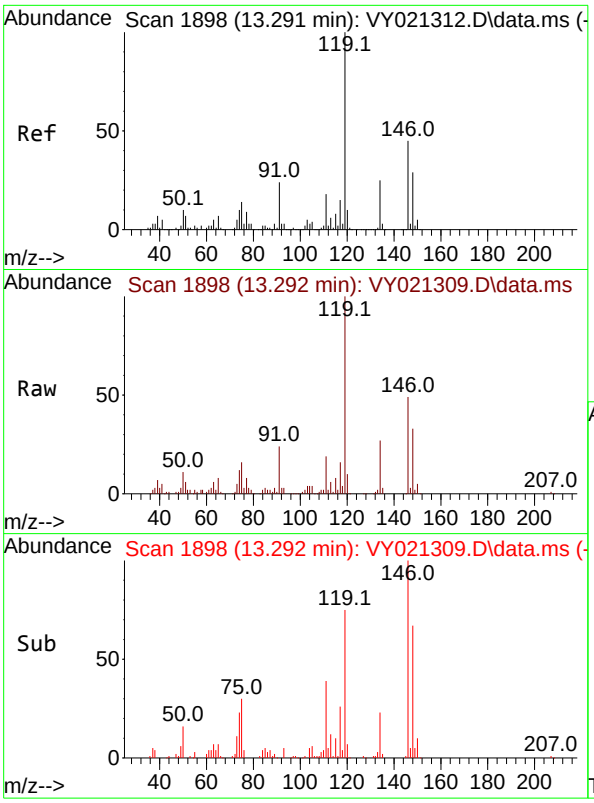


#86
p-Isopropyltoluene
Concen: 4.916 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:119 Resp: 39637

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	38.9
91	24.8	12.0	36.1



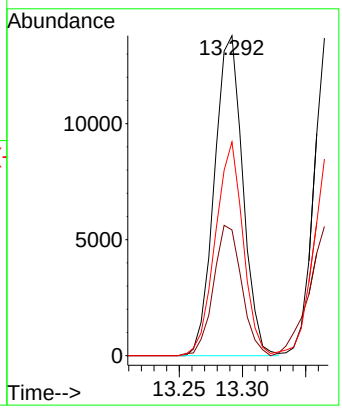


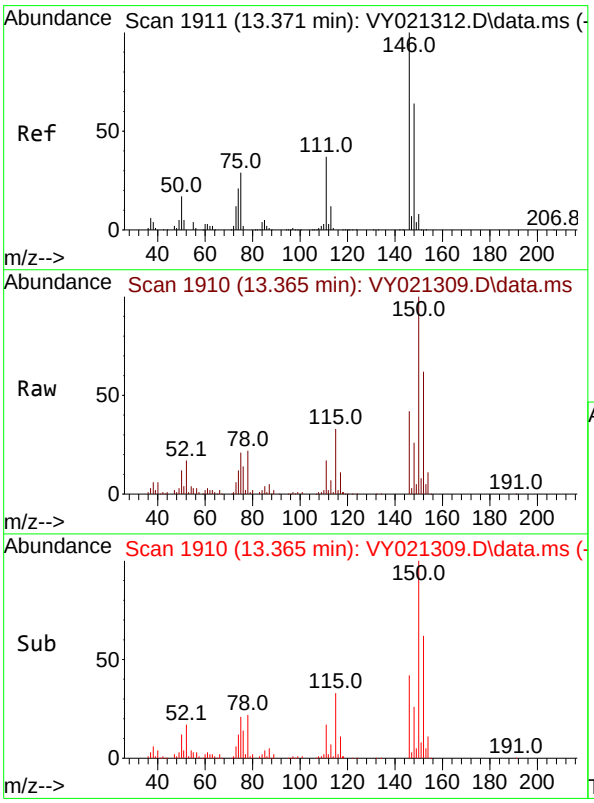
#87
1,3-Dichlorobenzene
Concen: 5.239 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 21510

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	65.2	31.9	95.9

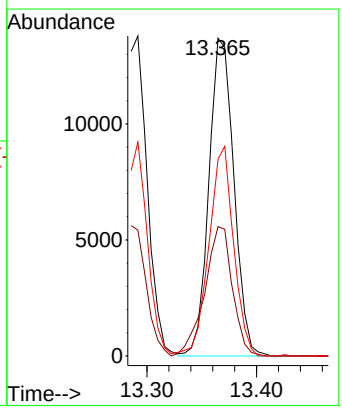


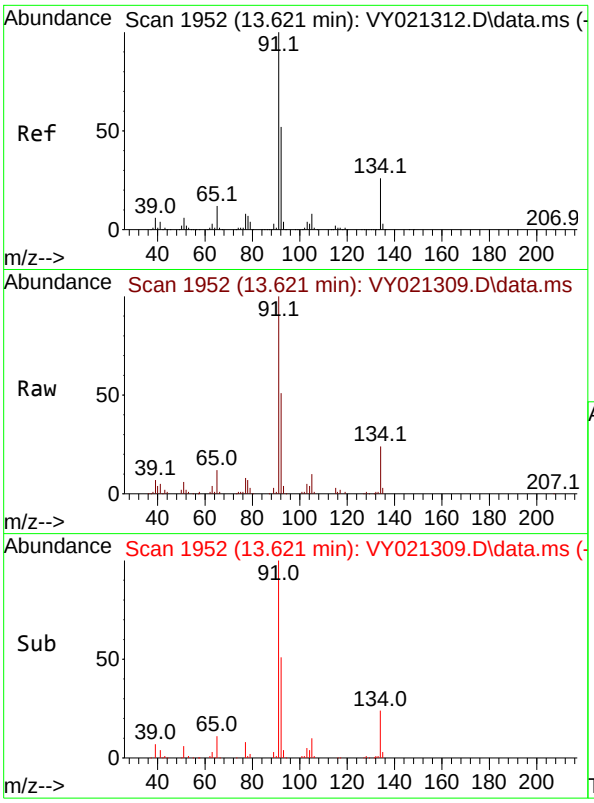


#88
1,4-Dichlorobenzene
Concen: 5.341 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:146 Resp: 21663

Ion	Ratio	Lower	Upper
146	100		
111	45.2	19.5	58.5
148	65.3	32.0	96.2



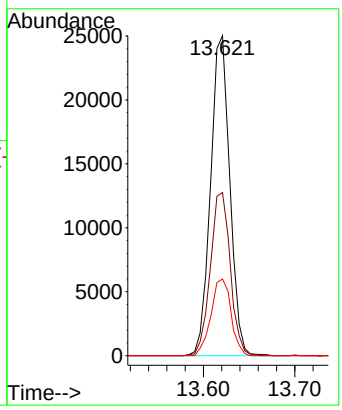


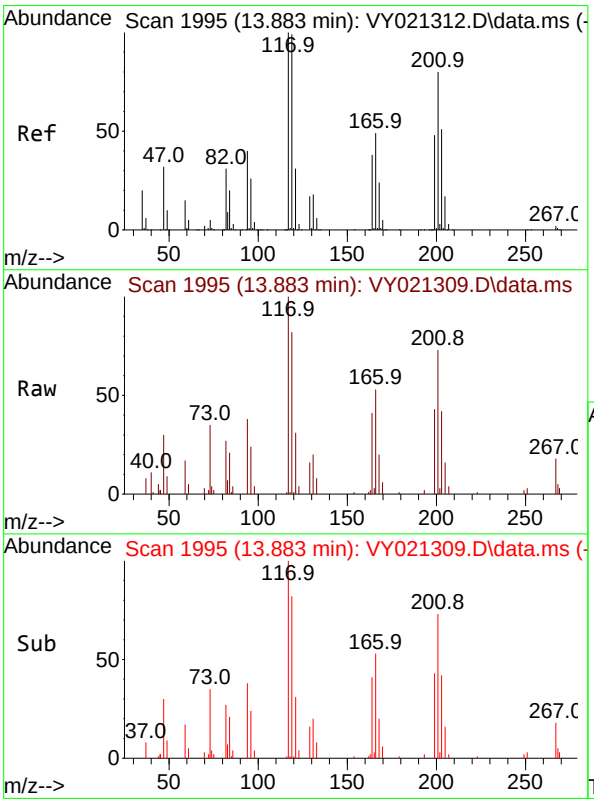
#89
n-Butylbenzene
Concen: 4.815 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 36537

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.0	12.7	38.0

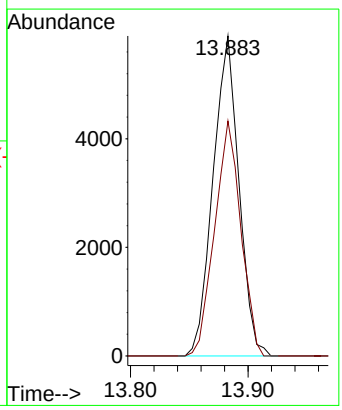


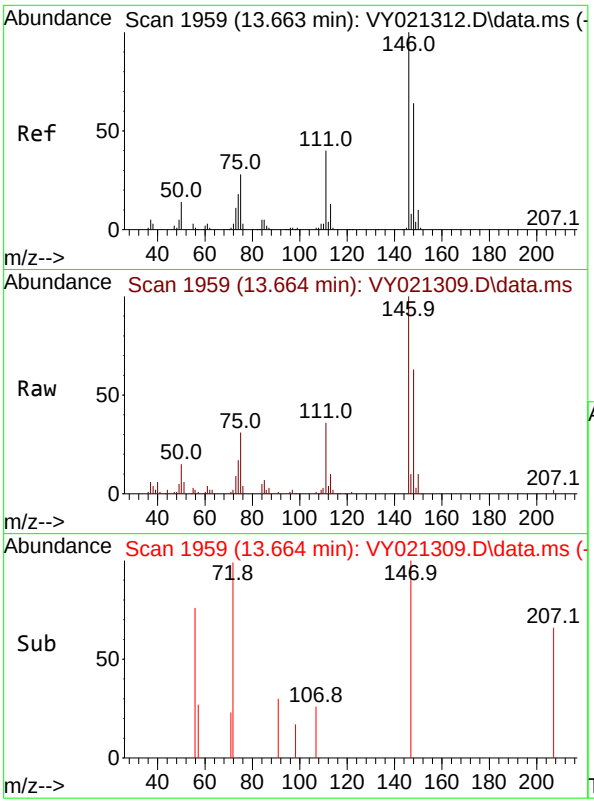


#90
Hexachloroethane
Concen: 5.351 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:117 Resp: 9013

Ion	Ratio	Lower	Upper
117	100		
201	74.3	38.4	115.2



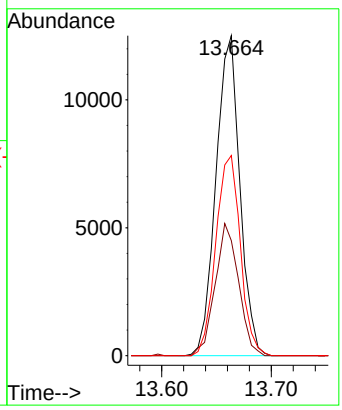


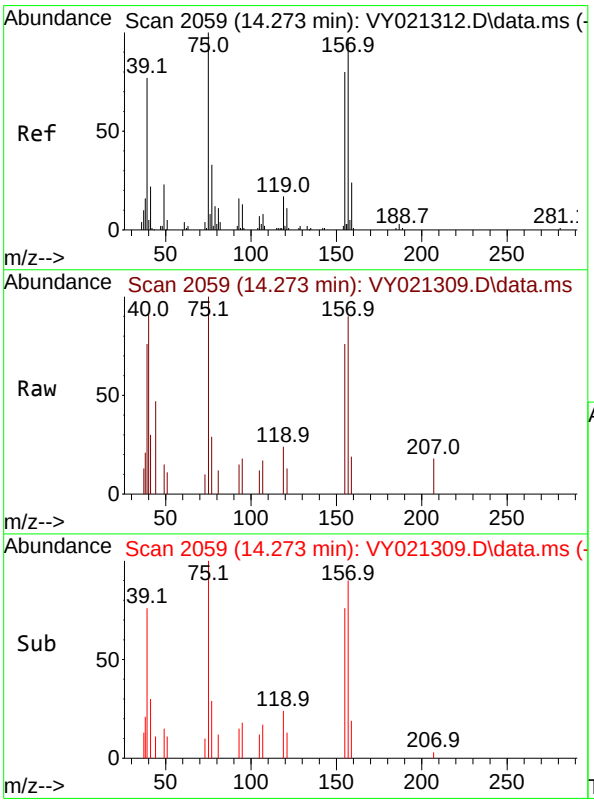
#91
1,2-Dichlorobenzene
Concen: 5.278 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 18984

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	64.2	31.7	95.1

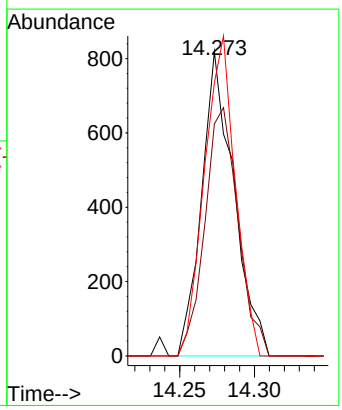


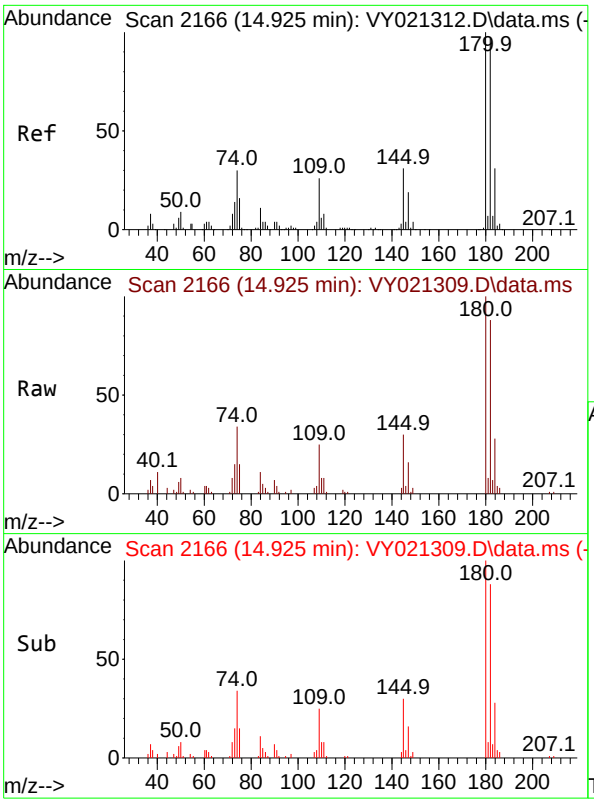


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.925 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion: 75 Resp: 1227

Ion	Ratio	Lower	Upper
75	100		
155	84.4	41.9	125.6
157	100.9	52.5	157.6



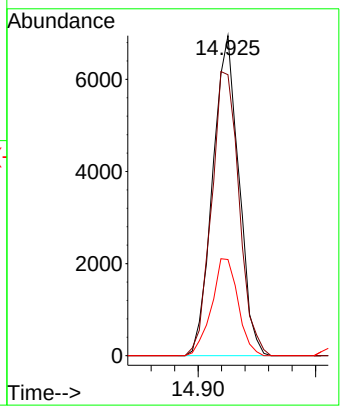


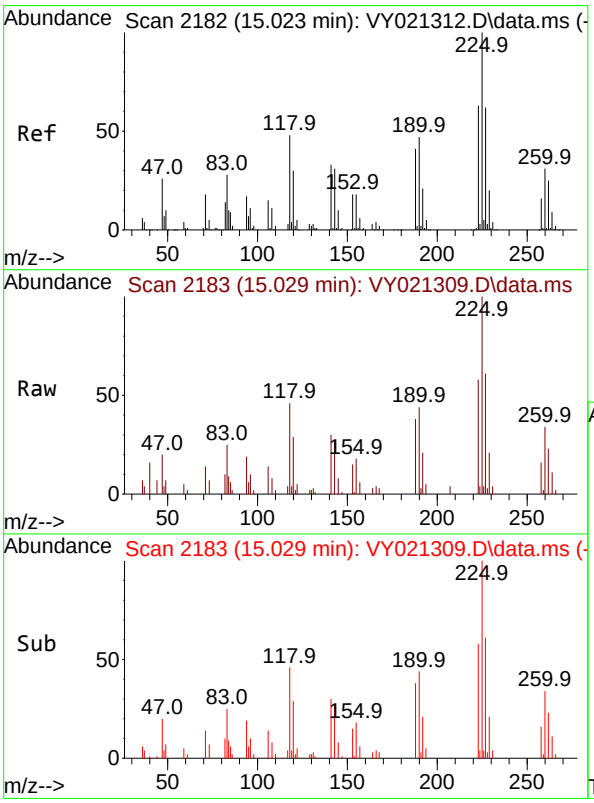
#93
1,2,4-Trichlorobenzene
Concen: 4.901 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 10759

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.9	143.7
145	30.7	15.6	46.8

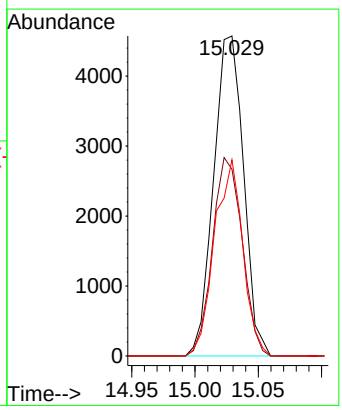


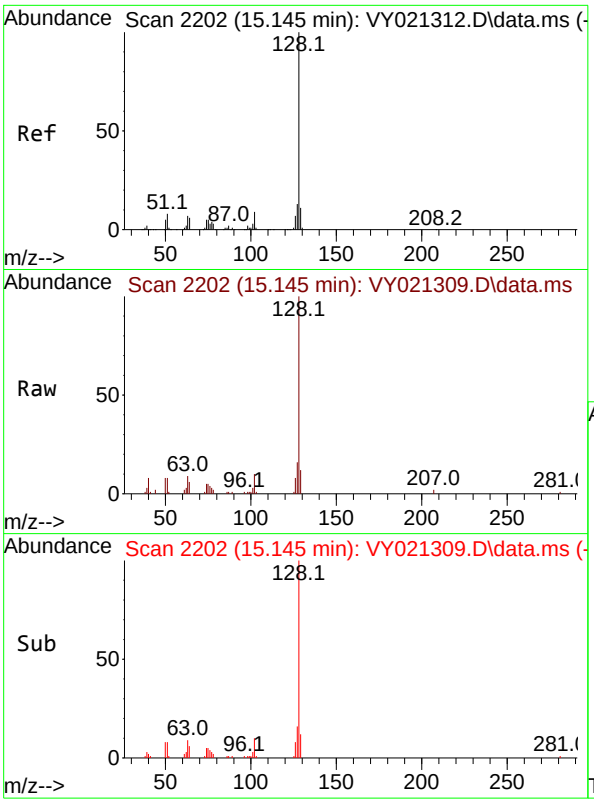


#94
Hexachlorobutadiene
Concen: 5.434 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:225 Resp: 7510

Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.8	95.4
227	58.3	31.9	95.7



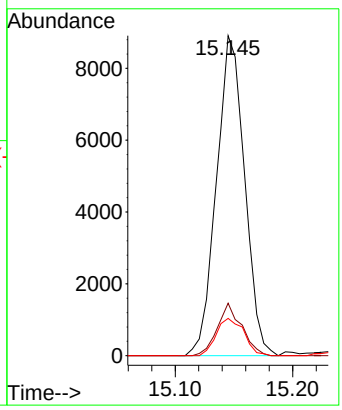


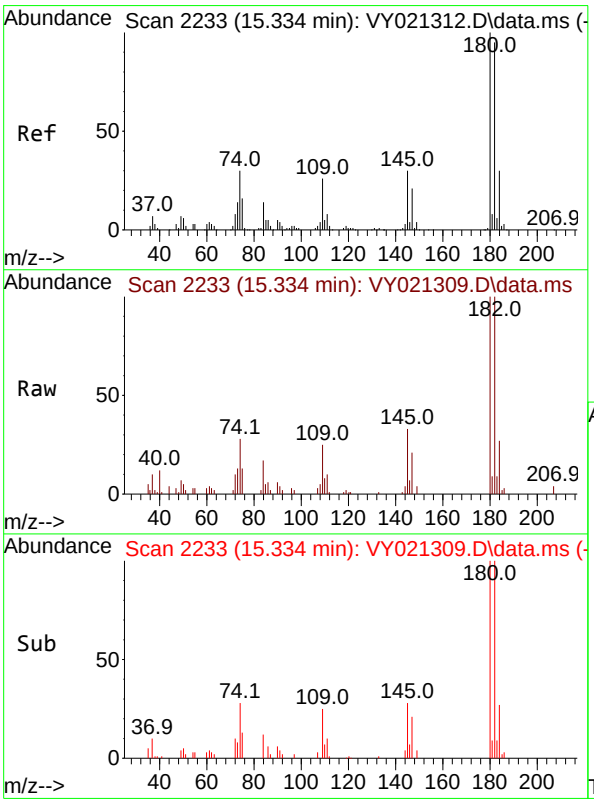
#95
Naphthalene
Concen: 4.078 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 14829

Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	11.5	8.5	12.7

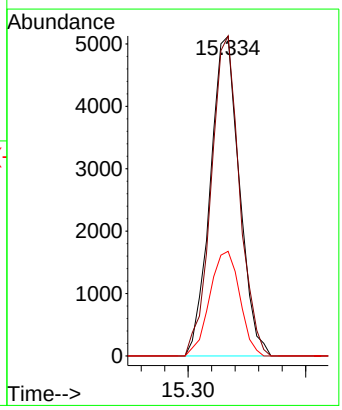




#96
1,2,3-Trichlorobenzene
Concen: 4.746 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021309.D
Acq: 25 Feb 2025 12:40

Tgt Ion:180 Resp: 8804

Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.3	144.9
145	33.8	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	185658	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	289178	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	250629	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125138	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	18938	8.992	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	17.980%#			
35) Dibromofluoromethane	7.634	113	17267	9.108	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.220%#			
50) Toluene-d8	10.103	98	66979	9.141	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.280%#			
62) 4-Bromofluorobenzene	12.408	95	22364	9.069	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.140%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	17969	10.208	ug/l		99
3) Chloromethane	2.068	50	23321	10.259	ug/l		96
4) Vinyl Chloride	2.202	62	21933	9.830	ug/l		99
5) Bromomethane	2.592	94	15371	10.366	ug/l		92
6) Chloroethane	2.732	64	13561	9.801	ug/l		96
7) Trichlorofluoromethane	3.056	101	33977	10.083	ug/l		96
8) Diethyl Ether	3.452	74	9792	9.682	ug/l		95
9) 1,1,2-Trichlorotrifluo...	3.818	101	19660	10.077	ug/l		99
10) Methyl Iodide	4.001	142	17573	8.562	ug/l		99
11) Tert butyl alcohol	4.854	59	8754	54.037	ug/l	#	81
12) 1,1-Dichloroethene	3.793	96	18141	9.711	ug/l		87
13) Acrolein	3.647	56	10715	86.313	ug/l		97
14) Allyl chloride	4.385	41	31462	9.499	ug/l		98
15) Acrylonitrile	5.061	53	21273	47.572	ug/l		98
16) Acetone	3.866	43	19023	47.086	ug/l		92
17) Carbon Disulfide	4.104	76	61336	9.888	ug/l		100
18) Methyl Acetate	4.379	43	9259	9.378	ug/l		99
19) Methyl tert-butyl Ether	5.116	73	47090	9.541	ug/l		98
20) Methylene Chloride	4.610	84	22192	10.158	ug/l		95
21) trans-1,2-Dichloroethene	5.110	96	19921	9.687	ug/l		94
22) Diisopropyl ether	6.012	45	66598	9.717	ug/l		93
23) Vinyl Acetate	5.957	43	193291	47.195	ug/l		99
24) 1,1-Dichloroethane	5.909	63	38311	9.918	ug/l		98
25) 2-Butanone	6.896	43	28711	47.087	ug/l		99
26) 2,2-Dichloropropane	6.884	77	34859	9.945	ug/l		99
27) cis-1,2-Dichloroethene	6.890	96	22663	9.651	ug/l		99
28) Bromochloromethane	7.244	49	16417	9.605	ug/l		100
29) Tetrahydrofuran	7.262	42	18625	46.731	ug/l		99
30) Chloroform	7.415	83	38838	9.922	ug/l		97
31) Cyclohexane	7.701	56	38072	10.253	ug/l	#	88
32) 1,1,1-Trichloroethane	7.616	97	35489	9.961	ug/l		99
36) 1,1-Dichloropropene	7.829	75	28171	9.892	ug/l		99
37) Ethyl Acetate	6.982	43	14219	10.038	ug/l		98
38) Carbon Tetrachloride	7.811	117	32494	10.149	ug/l		96
39) Methylcyclohexane	9.103	83	35431	9.837	ug/l		95
40) Benzene	8.079	78	83594	9.930	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.226	41	6845	8.642 ug/l		92
42) 1,2-Dichloroethane	8.158	62	24091	10.087 ug/l		99
43) Isopropyl Acetate	8.195	43	25874	9.436 ug/l		99
44) Trichloroethene	8.859	130	20823	9.880 ug/l		97
45) 1,2-Dichloropropane	9.140	63	20214	9.978 ug/l		98
46) Dibromomethane	9.231	93	10902	9.845 ug/l		99
47) Bromodichloromethane	9.420	83	29114	9.860 ug/l		97
48) Methyl methacrylate	9.219	41	11652	9.088 ug/l		96
49) 1,4-Dioxane	9.225	88	2309	187.520 ug/l		96
51) 4-Methyl-2-Pentanone	9.993	43	65698	46.808 ug/l		99
52) Toluene	10.170	92	51371	9.823 ug/l		100
53) t-1,3-Dichloropropene	10.390	75	25218	9.322 ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	30428	9.528 ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	14509	10.057 ug/l		96
56) Ethyl methacrylate	10.438	69	17817	8.938 ug/l		96
57) 1,3-Dichloropropane	10.713	76	24769	9.784 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	42304	44.215 ug/l		100
59) 2-Hexanone	10.755	43	42123	45.697 ug/l		99
60) Dibromochloromethane	10.908	129	18793	9.565 ug/l		96
61) 1,2-Dibromoethane	11.011	107	13351	9.775 ug/l		98
64) Tetrachloroethene	10.646	164	19065	10.064 ug/l		97
65) Chlorobenzene	11.438	112	55689	9.899 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	20089	10.198 ug/l		98
67) Ethyl Benzene	11.517	91	97299	9.764 ug/l		99
68) m/p-Xylenes	11.627	106	73991	19.740 ug/l		99
69) o-Xylene	11.950	106	33822	9.632 ug/l		99
70) Styrene	11.969	104	56550	9.679 ug/l		99
71) Bromoform	12.133	173	11067	9.820 ug/l	#	100
73) Isopropylbenzene	12.255	105	90221	9.590 ug/l		100
74) N-amyl acetate	12.066	43	21370	8.937 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	16246	9.785 ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	21157	16.789 ug/l	#	100
77) Bromobenzene	12.529	156	21097	9.641 ug/l		99
78) n-propylbenzene	12.597	91	110190	9.652 ug/l		99
79) 2-Chlorotoluene	12.682	91	64018	9.771 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	74498	9.655 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	5238	9.295 ug/l		96
82) 4-Chlorotoluene	12.773	91	66701	9.821 ug/l		100
83) tert-Butylbenzene	12.999	119	68905	9.886 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	74032	9.647 ug/l		99
85) sec-Butylbenzene	13.176	105	100189	9.841 ug/l		99
86) p-Isopropyltoluene	13.292	119	81769	9.619 ug/l		98
87) 1,3-Dichlorobenzene	13.285	146	43267	9.996 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	42788	10.006 ug/l		98
89) n-Butylbenzene	13.615	91	76325	9.541 ug/l		99
90) Hexachloroethane	13.877	117	17261	9.721 ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	37522	9.894 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2424	9.229 ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	21234	9.174 ug/l		97
94) Hexachlorobutadiene	15.023	225	14346	9.845 ug/l		99
95) Naphthalene	15.145	128	32094	8.371 ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	17983	9.195 ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

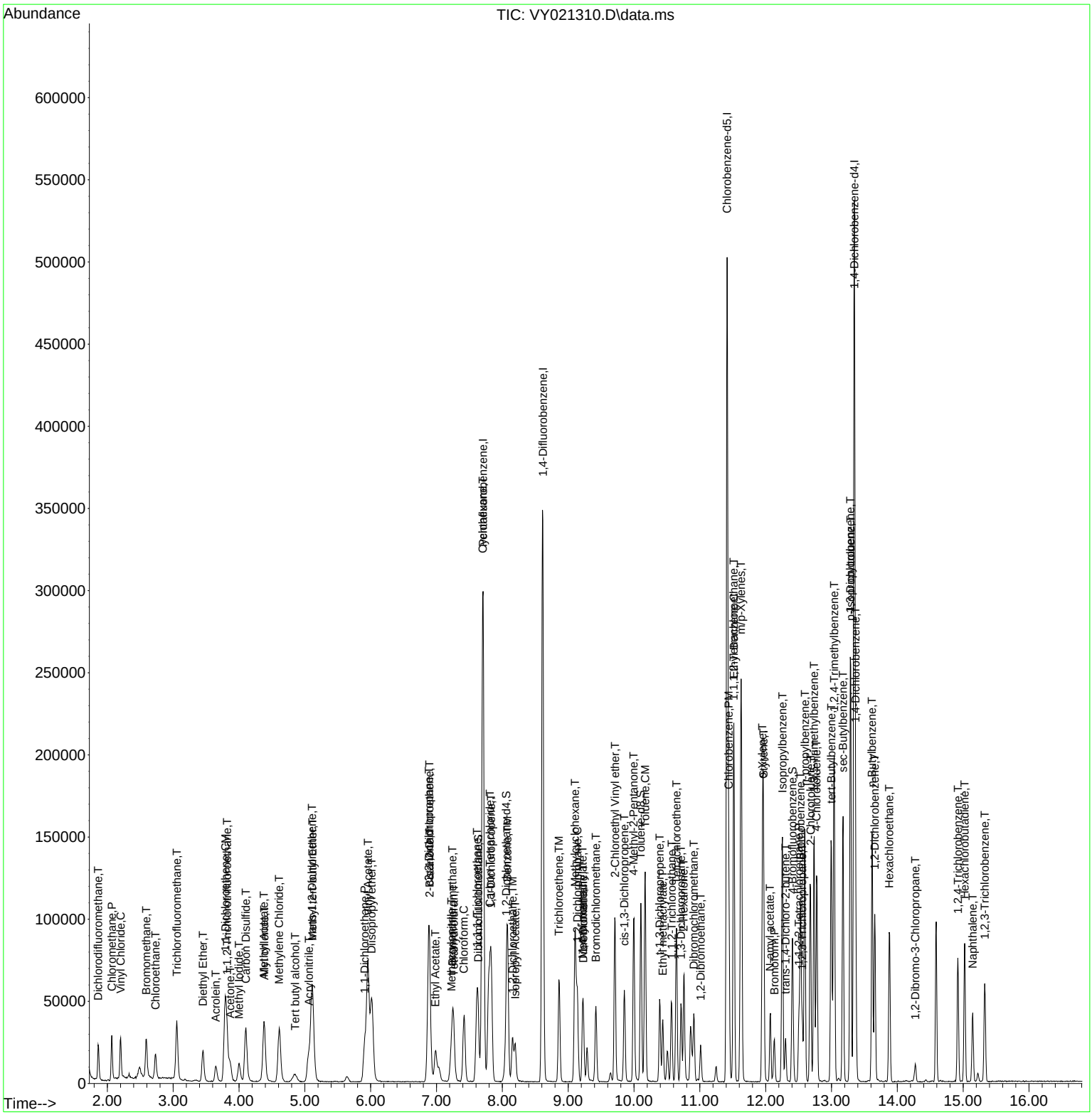
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

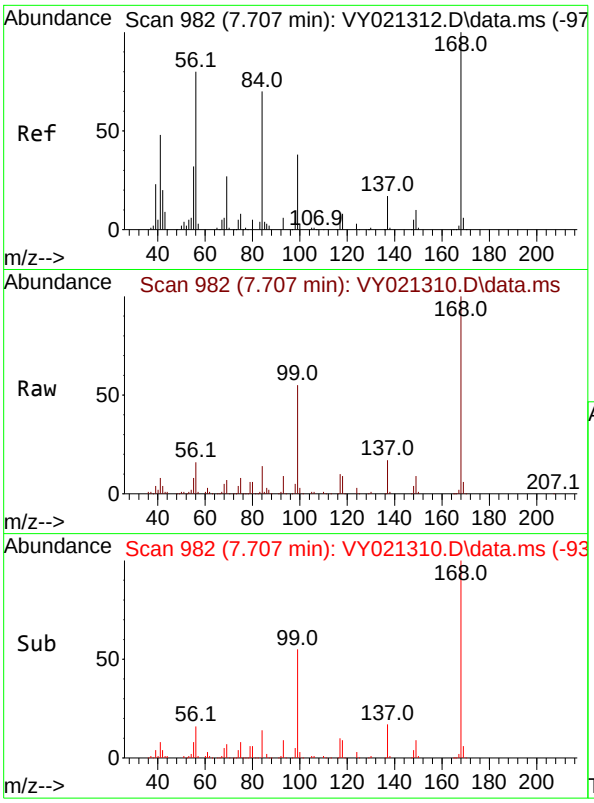
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021310.D
Acq On : 25 Feb 2025 13:03
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Feb 26 01:43:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



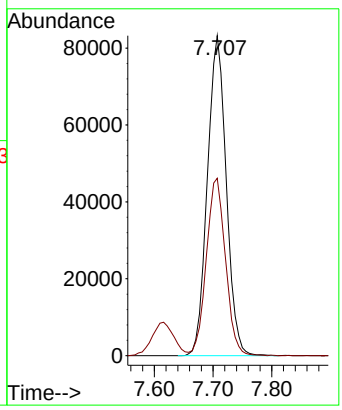


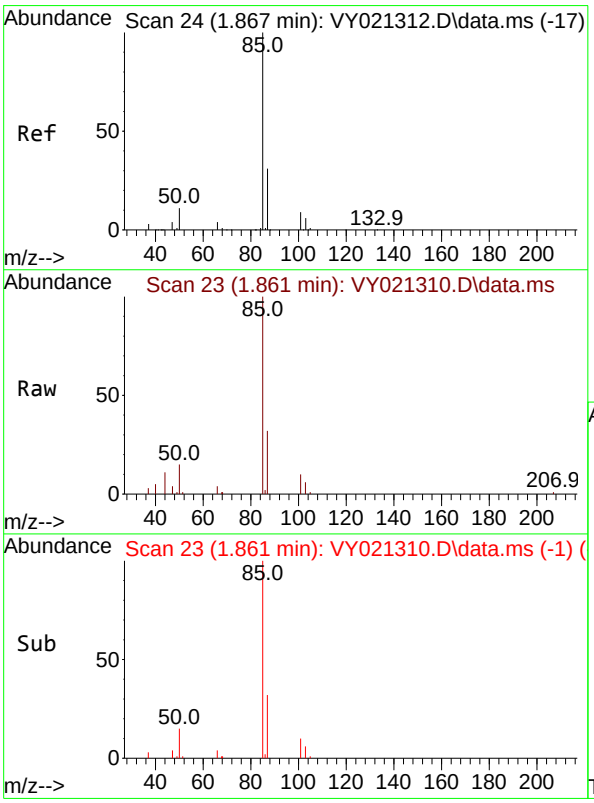
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 185658

Ion	Ratio	Lower	Upper
168	100		
99	55.4	47.1	70.7

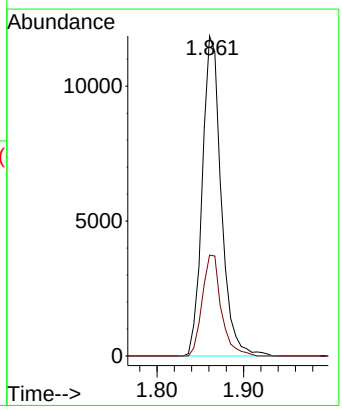


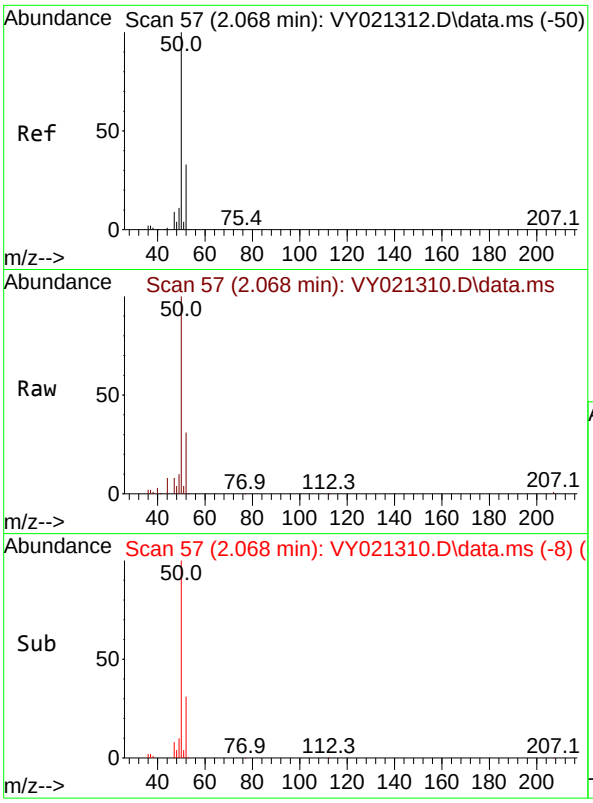


#2
Dichlorodifluoromethane
Concen: 10.208 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 85 Resp: 17969

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.4



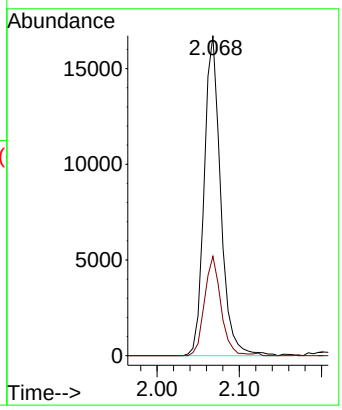


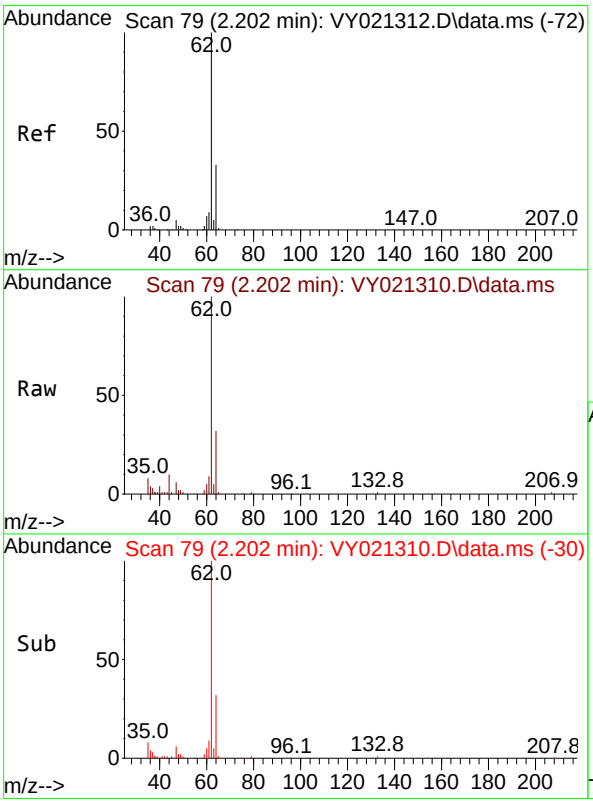
#3
Chloromethane
Concen: 10.259 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 23321

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.6	40.0

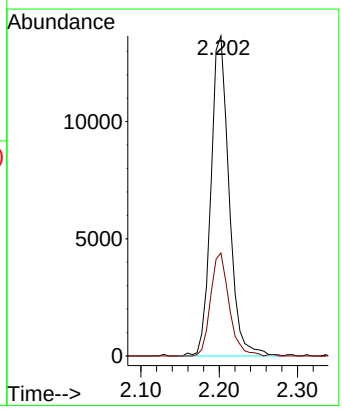


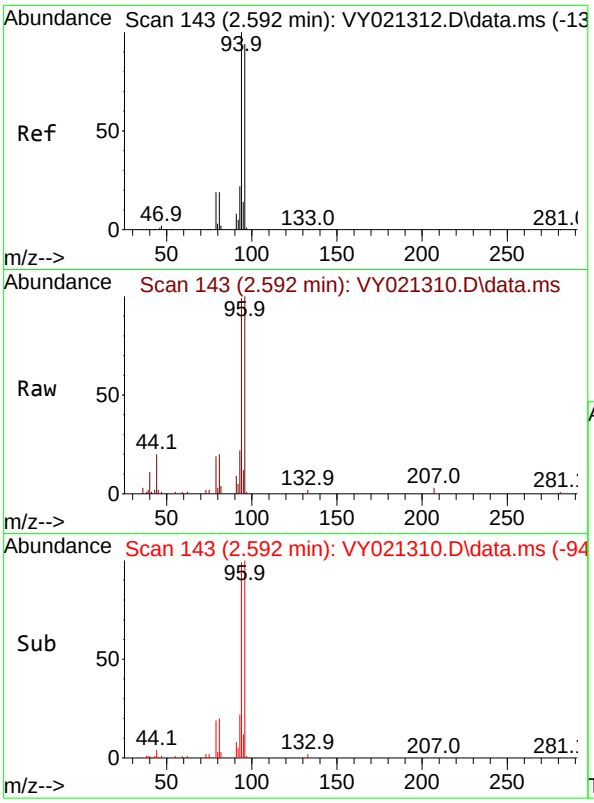


#4
Vinyl Chloride
Concen: 9.830 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 21933

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.3	39.5



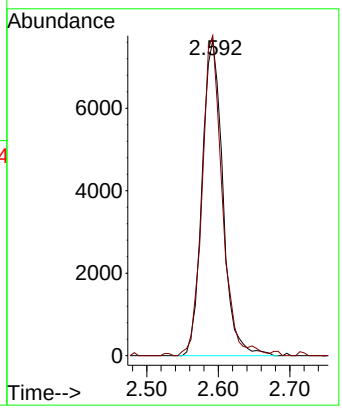


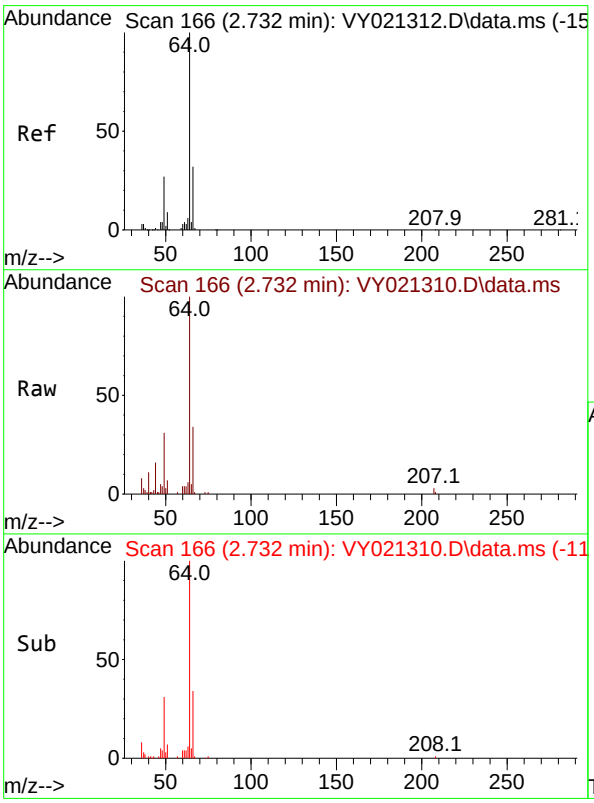
#5
Bromomethane
Concen: 10.366 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 15371

Ion	Ratio	Lower	Upper
94	100		
96	101.5	75.2	112.8

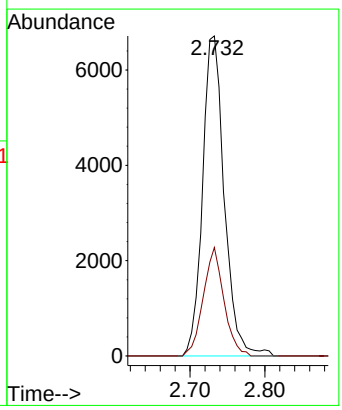


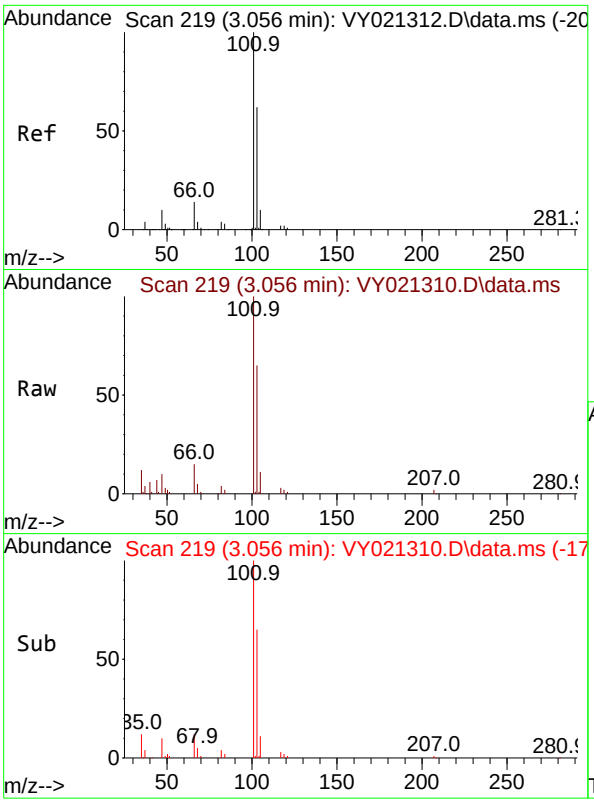


#6
Chloroethane
Concen: 9.801 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 64 Resp: 13561

Ion	Ratio	Lower	Upper
64	100		
66	33.9	25.4	38.0



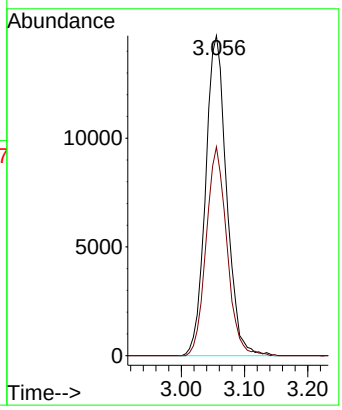


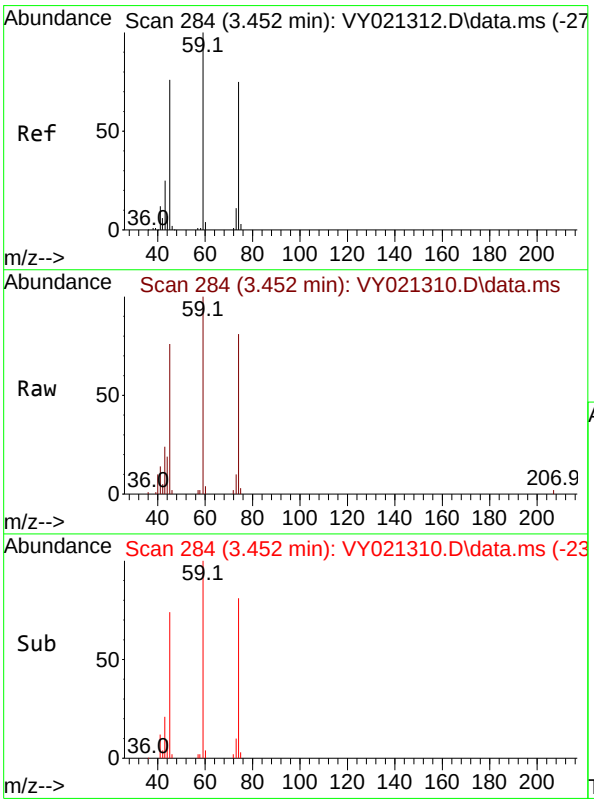
#7
Trichlorofluoromethane
Concen: 10.083 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 33977

Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.7	74.5

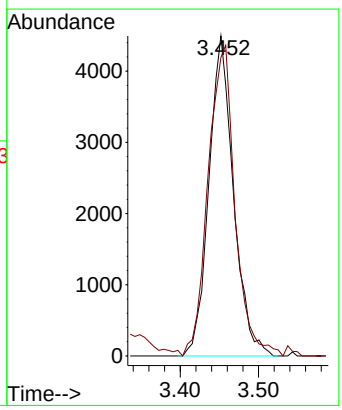


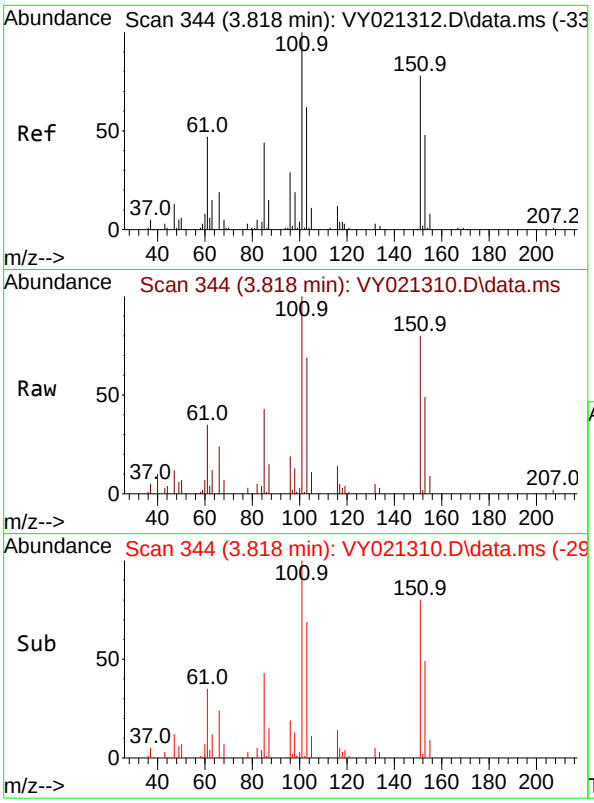


#8
Diethyl Ether
Concen: 9.682 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 74 Resp: 9792

Ion	Ratio	Lower	Upper
74	100		
45	106.0	50.3	150.9



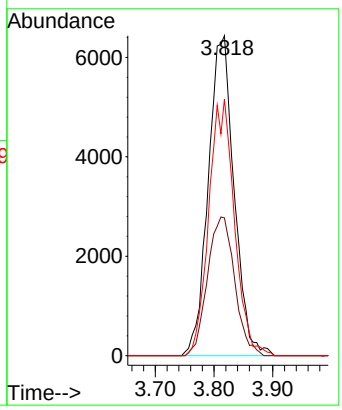


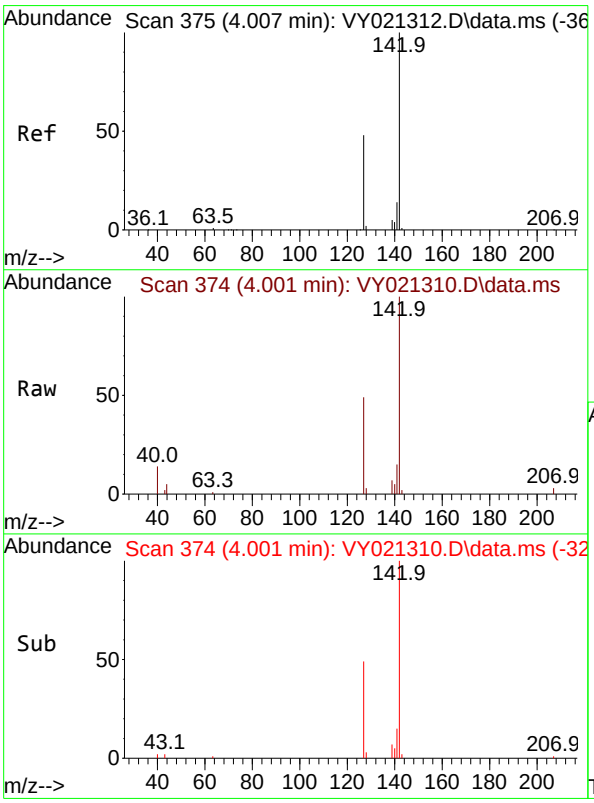
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.077 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 19660

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.7	55.1
151	79.5	62.6	94.0

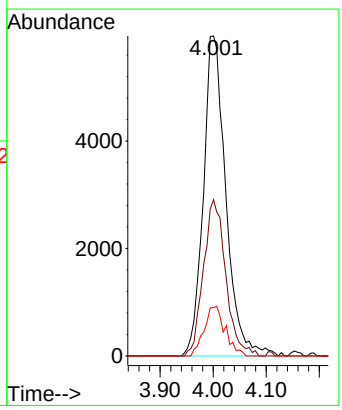


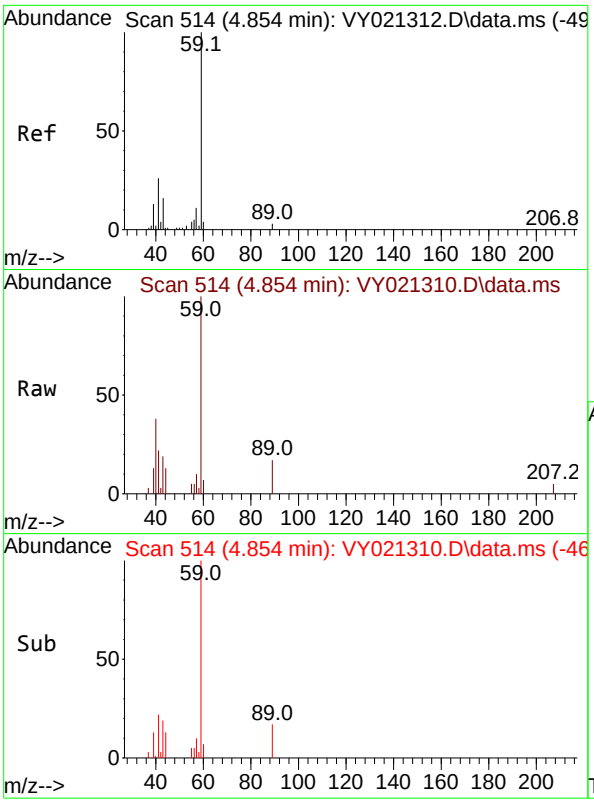


#10
Methyl Iodide
Concen: 8.562 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:142 Resp: 17573

Ion	Ratio	Lower	Upper
142	100		
127	48.3	39.2	58.8
141	14.5	11.4	17.2



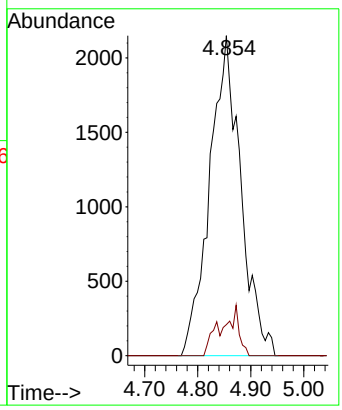


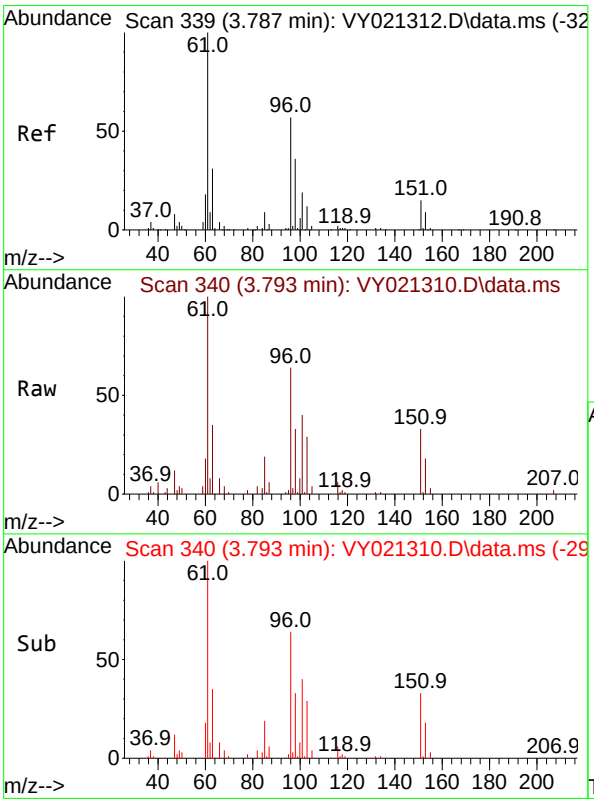
#11
Tert butyl alcohol
Concen: 54.037 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 8754

Ion	Ratio	Lower	Upper
59	100		
57	3.1	8.3	12.5#

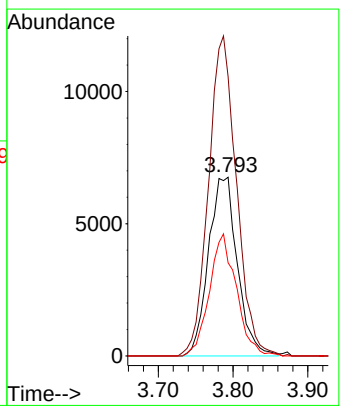


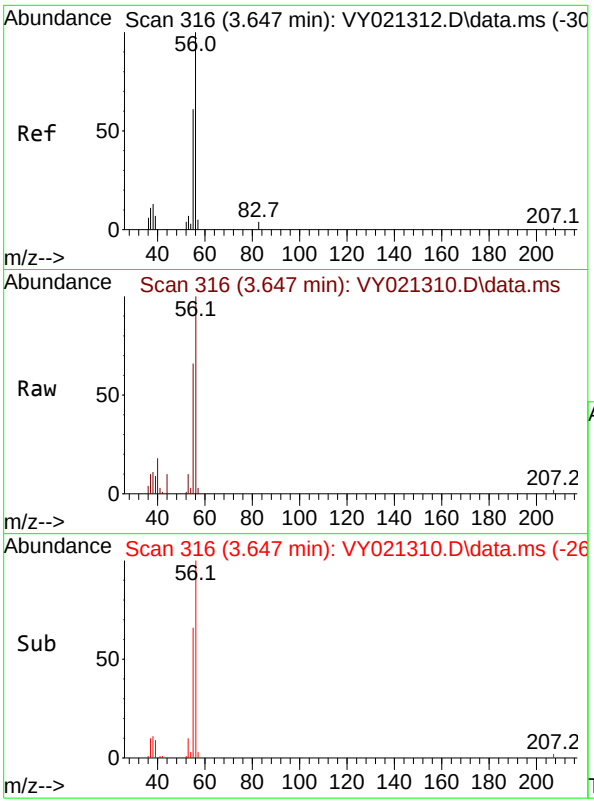


#12
1,1-Dichloroethene
Concen: 9.711 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 96 Resp: 18141

Ion	Ratio	Lower	Upper
96	100		
61	156.3	139.7	209.5
98	52.1	49.7	74.5



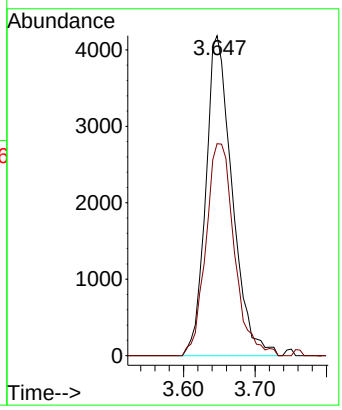


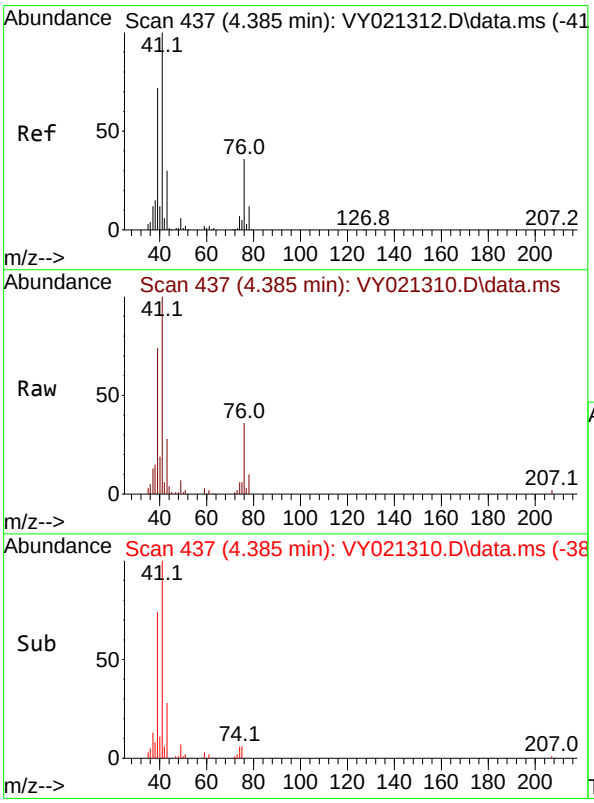
#13
Acrolein
Concen: 86.313 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 10715

Ion	Ratio	Lower	Upper
56	100		
55	71.4	59.0	88.6

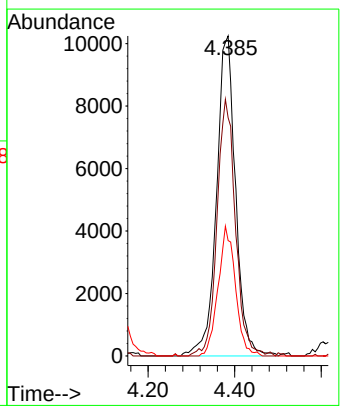


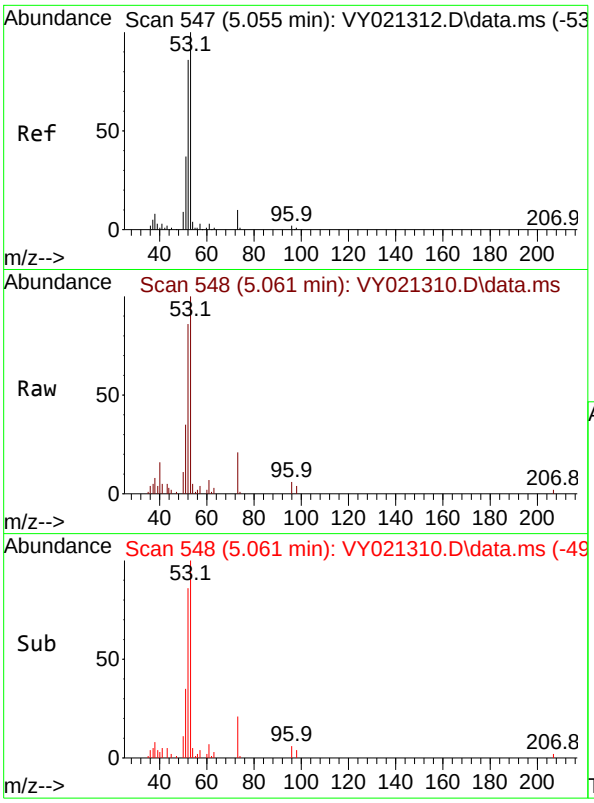


#14
Allyl chloride
Concen: 9.499 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 31462

Ion	Ratio	Lower	Upper
41	100		
39	77.2	60.0	90.0
76	36.9	29.0	43.6



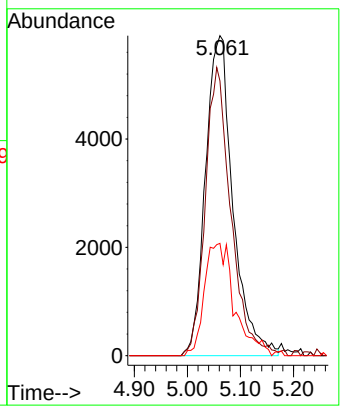


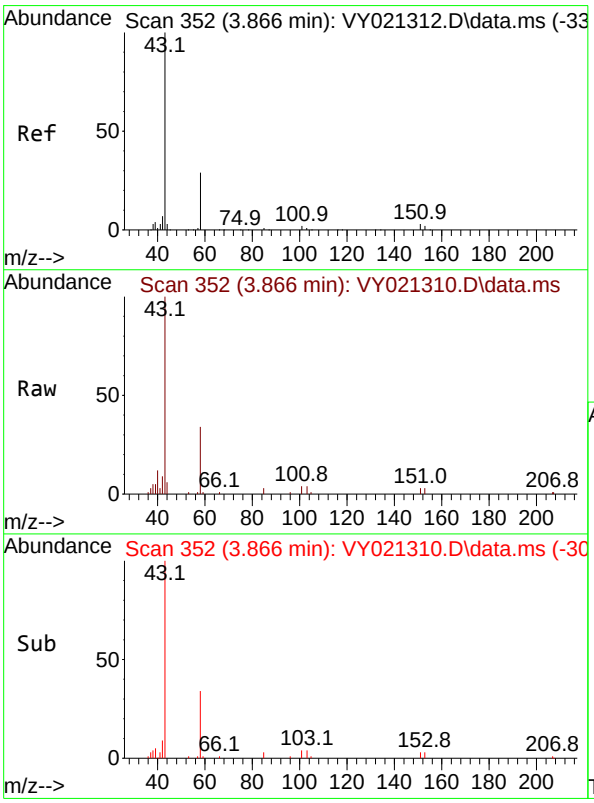
#15
Acrylonitrile
Concen: 47.572 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 21273

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.5	98.3
51	38.5	30.6	46.0

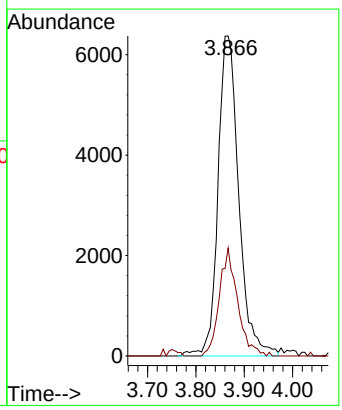


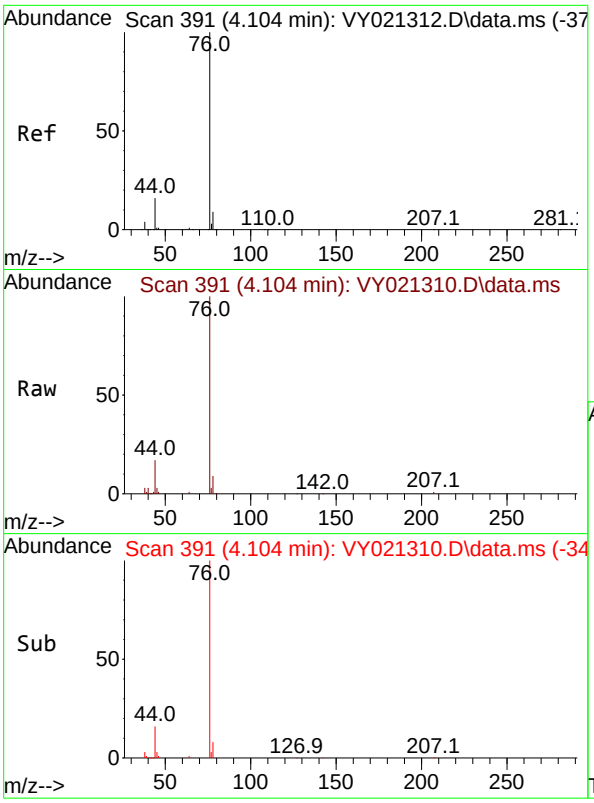


#16
Acetone
Concen: 47.086 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 19023

Ion	Ratio	Lower	Upper
43	100		
58	33.7	23.5	35.3



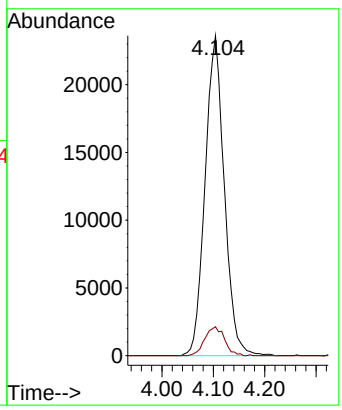


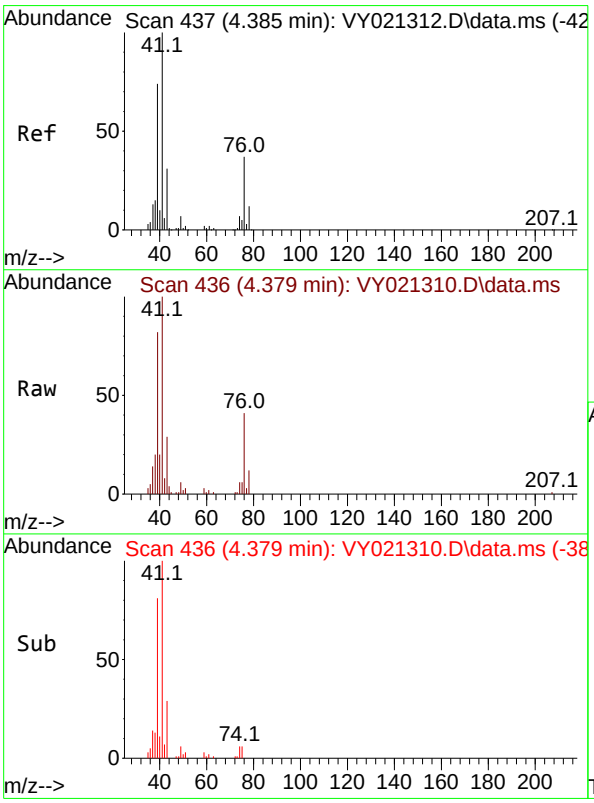
#17
Carbon Disulfide
Concen: 9.888 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 61336

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

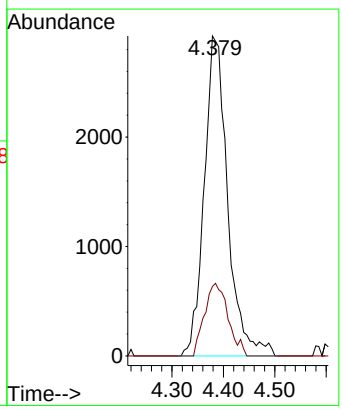


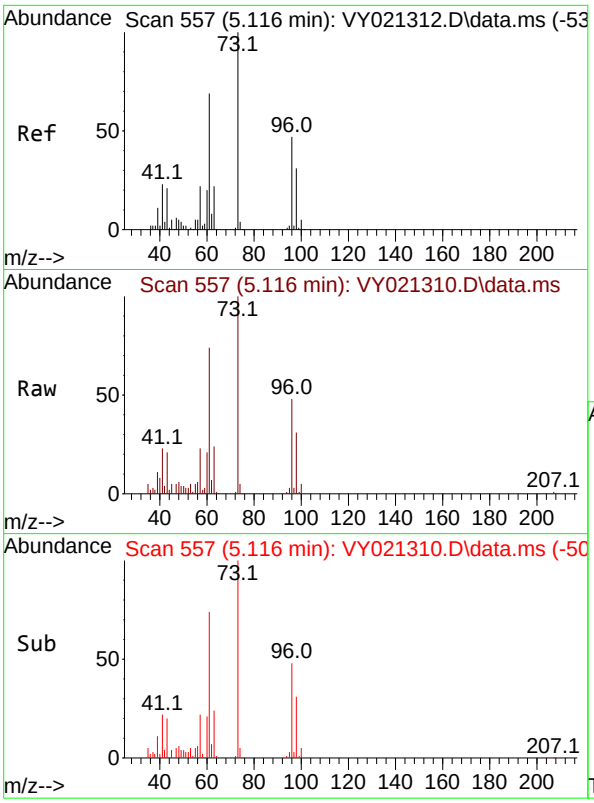


#18
Methyl Acetate
Concen: 9.378 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 9259

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.7	26.5



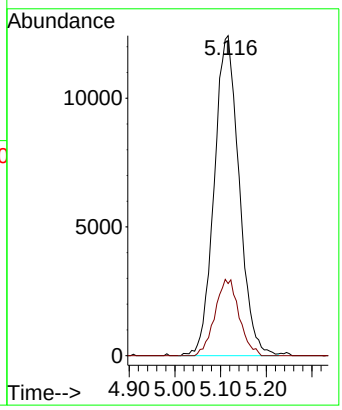


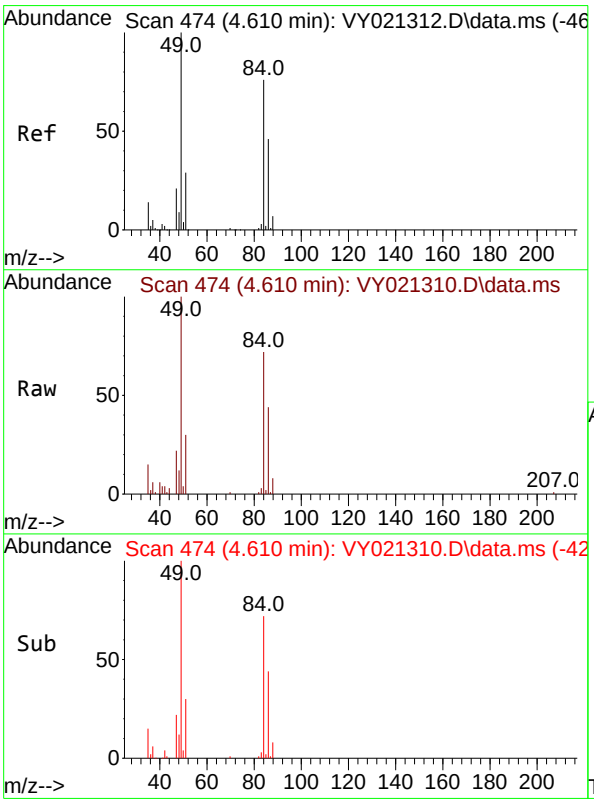
#19
Methyl tert-butyl Ether
Concen: 9.541 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 47090

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.4	26.0

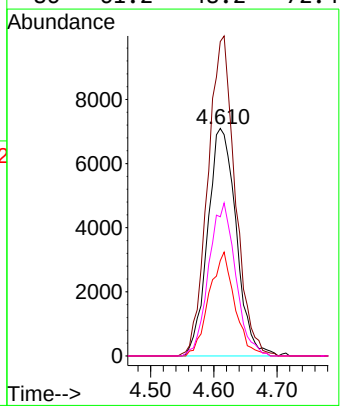


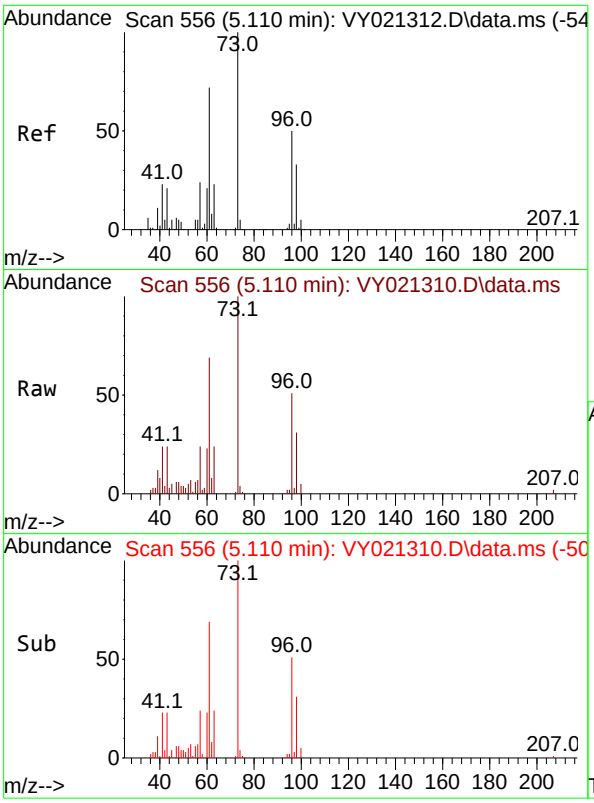


#20
Methylene Chloride
Concen: 10.158 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 84 Resp: 22192

Ion	Ratio	Lower	Upper
84	100		
49	138.2	105.1	157.7
51	41.9	31.0	46.4
86	61.2	48.2	72.4



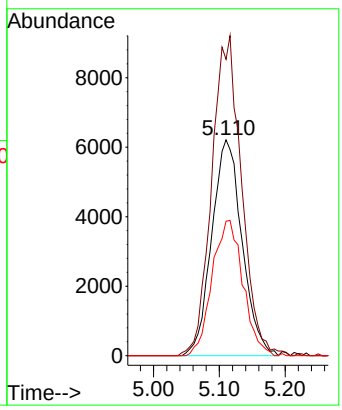


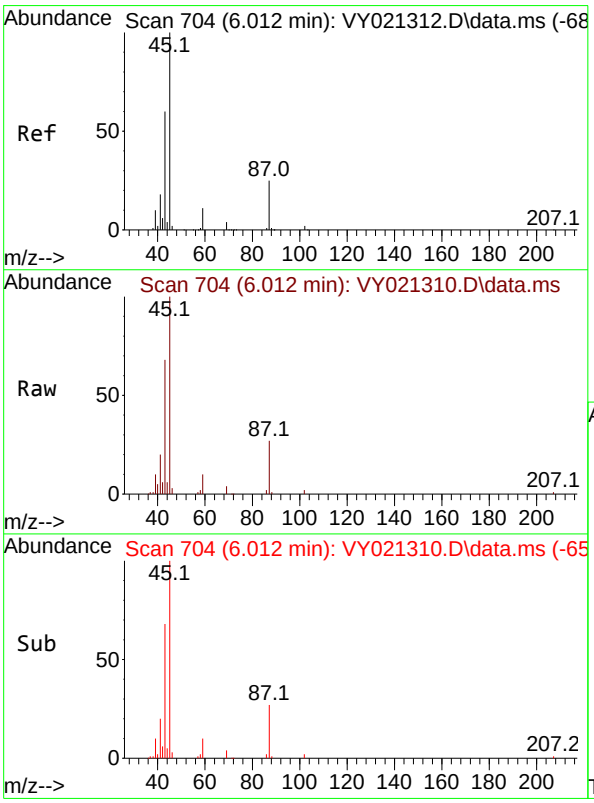
#21
trans-1,2-Dichloroethene
Concen: 9.687 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 19921

Ion	Ratio	Lower	Upper
96	100		
61	137.3	116.3	174.5
98	62.3	52.6	78.8

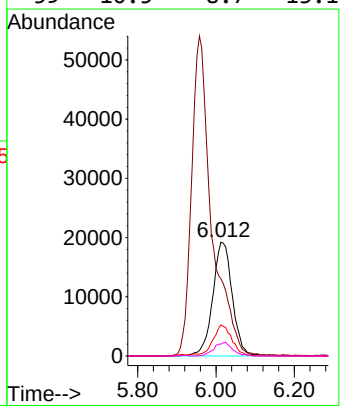


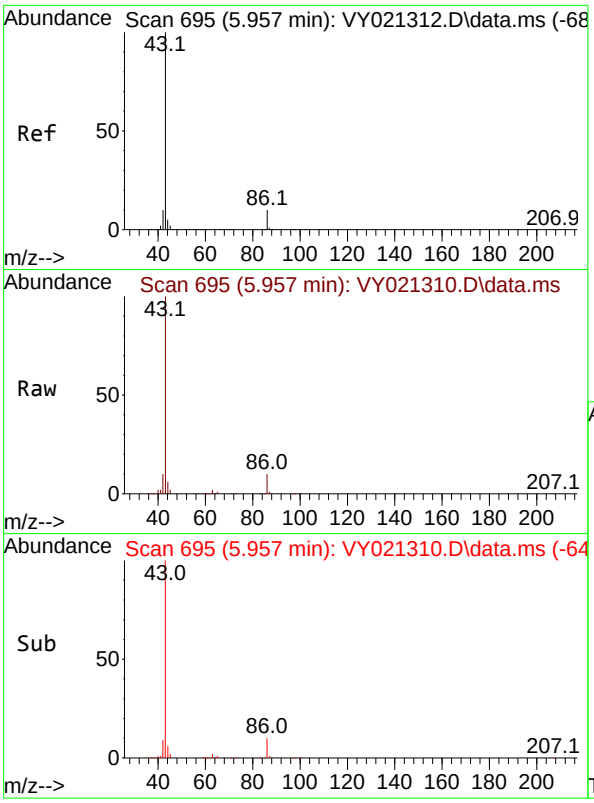


#22
Diisopropyl ether
Concen: 9.717 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 45 Resp: 66598

Ion	Ratio	Lower	Upper
45	100		
43	67.4	48.2	72.4
87	27.4	20.3	30.5
59	10.5	8.7	13.1



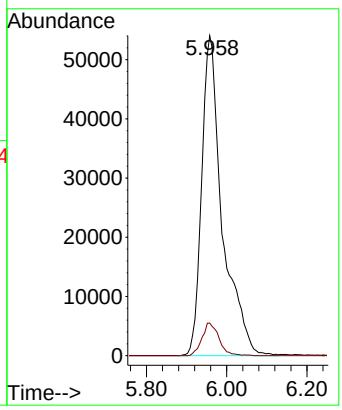


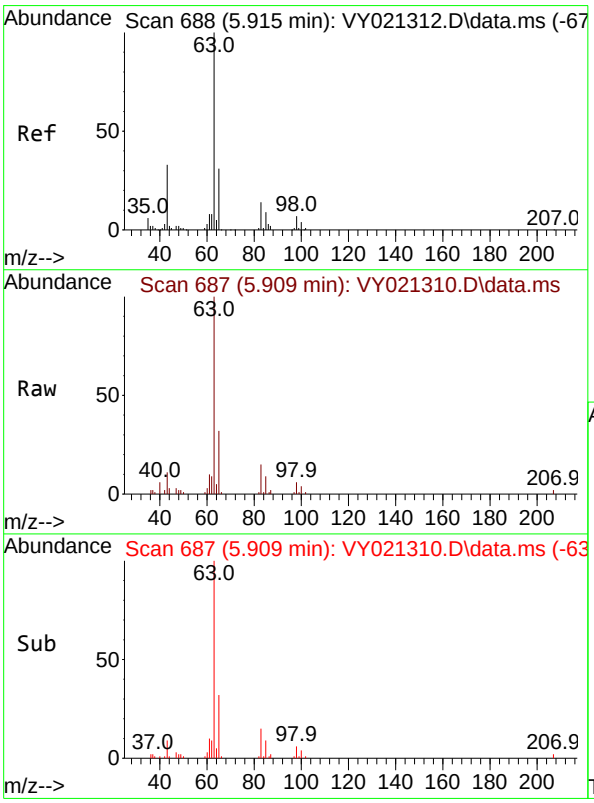
#23
Vinyl Acetate
Concen: 47.195 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 193291

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.0	12.0

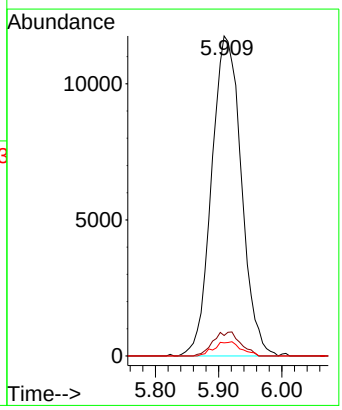


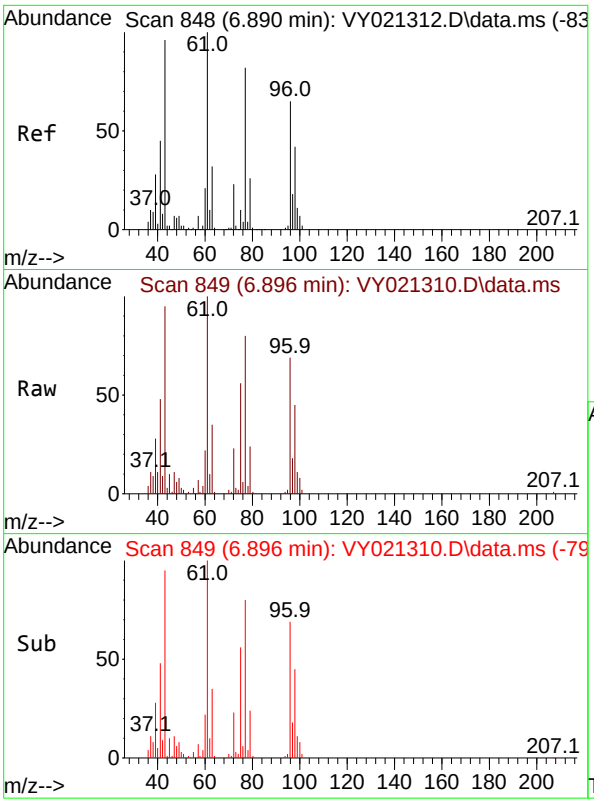


#24
1,1-Dichloroethane
Concen: 9.918 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 38311

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.7	11.1
100	4.1	2.1	6.5



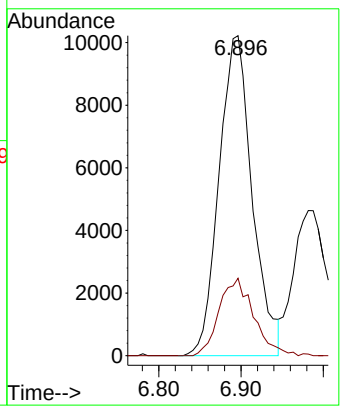


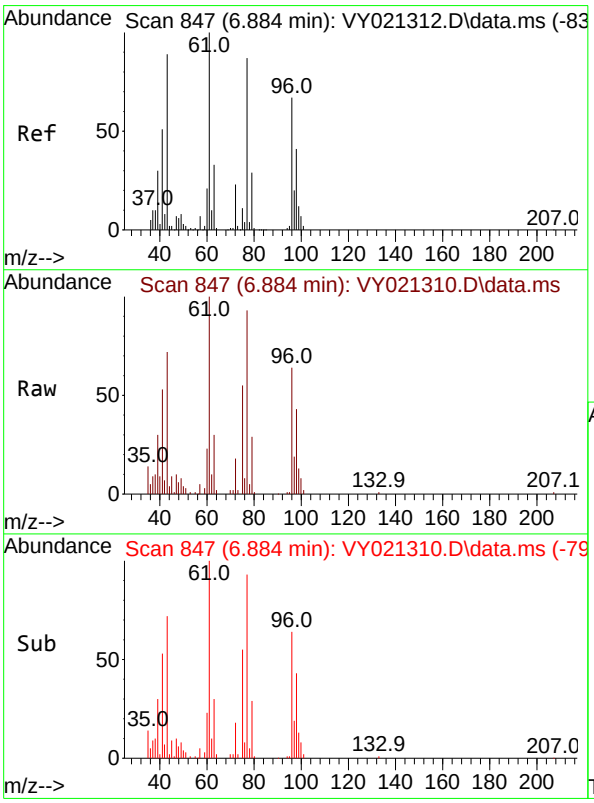
#25
2-Butanone
Concen: 47.087 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 28711

Ion	Ratio	Lower	Upper
43	100		
72	24.2	19.0	28.6

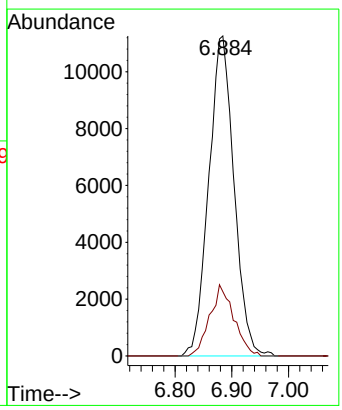


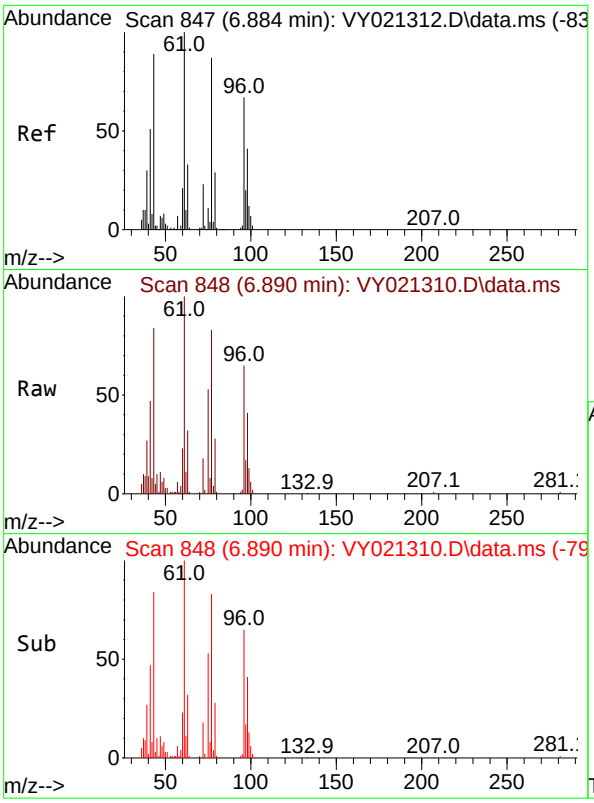


#26
2,2-Dichloropropane
Concen: 9.945 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 77 Resp: 34859

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7



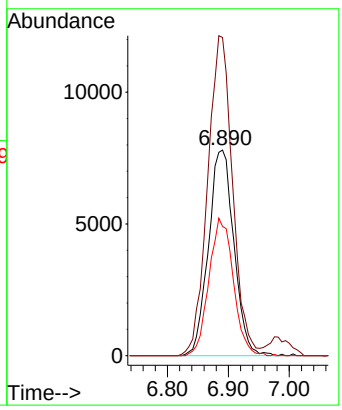


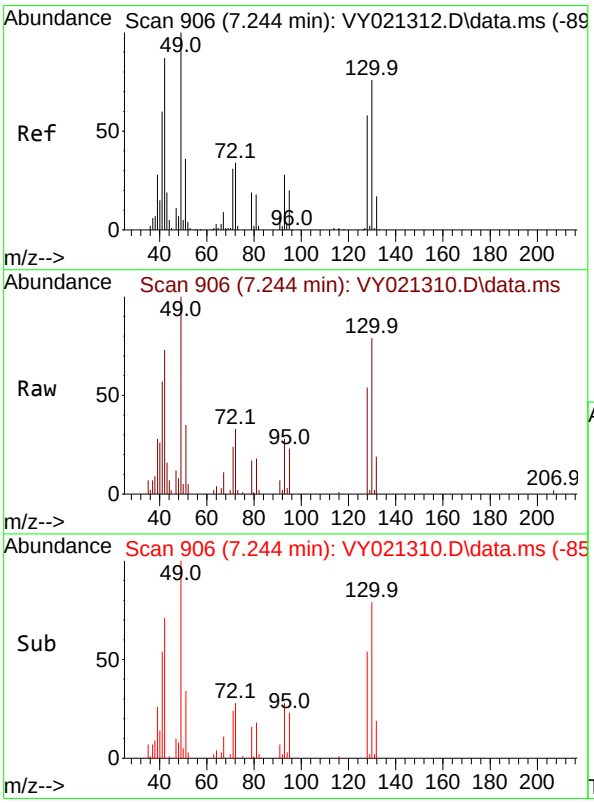
#27
cis-1,2-Dichloroethene
Concen: 9.651 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 22663

Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	308.0
98	63.9	0.0	129.6

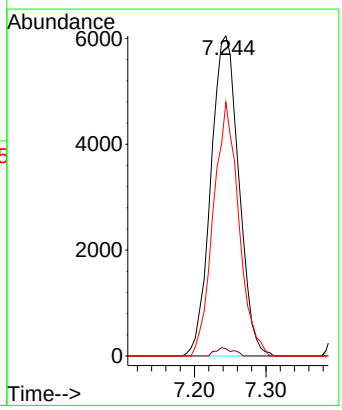


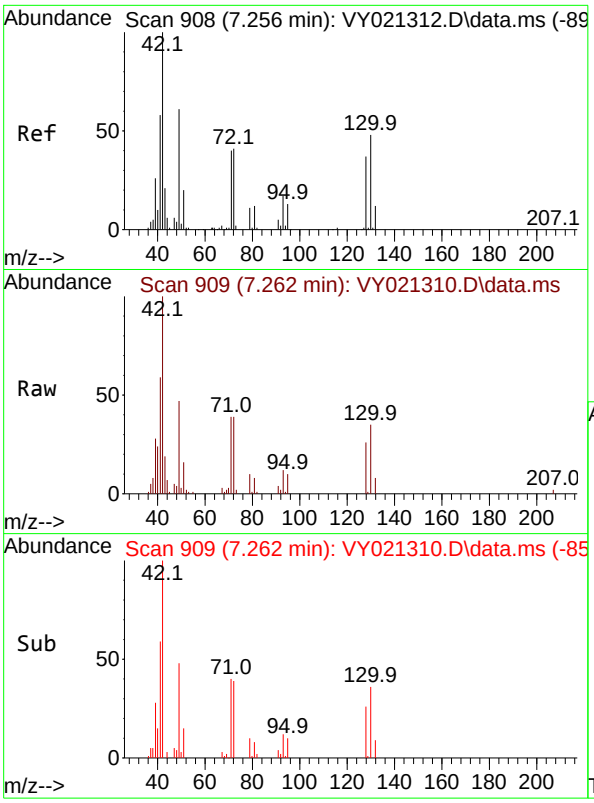


#28
Bromochloromethane
Concen: 9.605 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 49 Resp: 16417

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	72.2	57.8	86.6



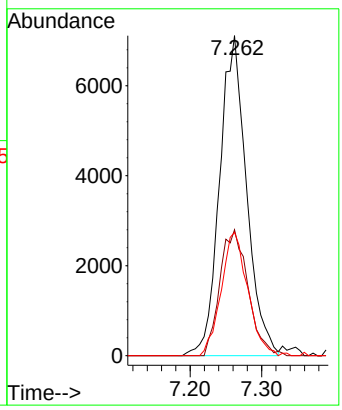


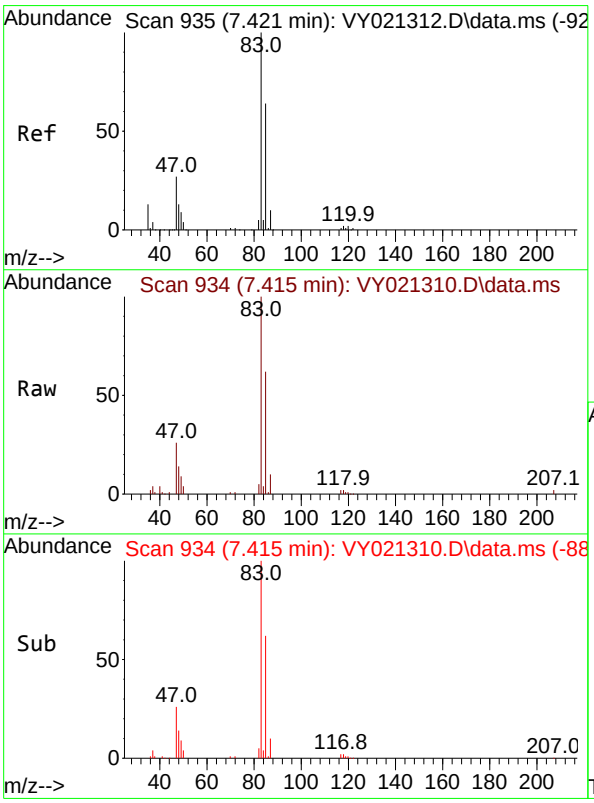
#29
Tetrahydrofuran
Concen: 46.731 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 18625

Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.1	49.7
71	38.1	31.4	47.0

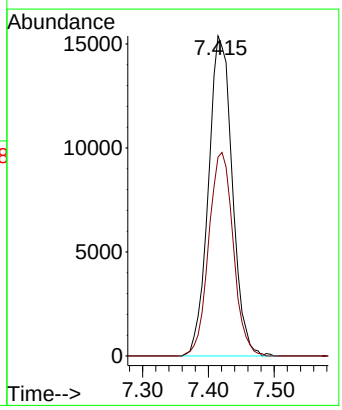


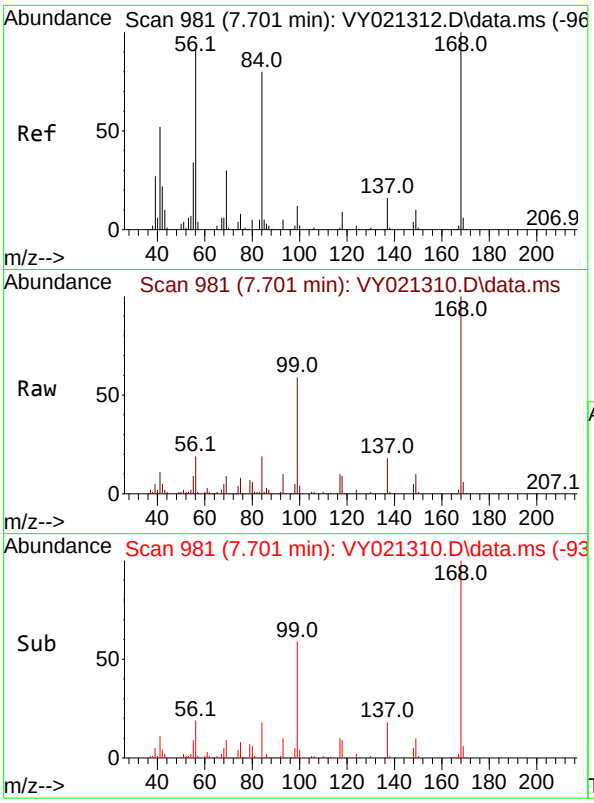


#30
Chloroform
Concen: 9.922 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 83 Resp: 38838

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.6	77.4



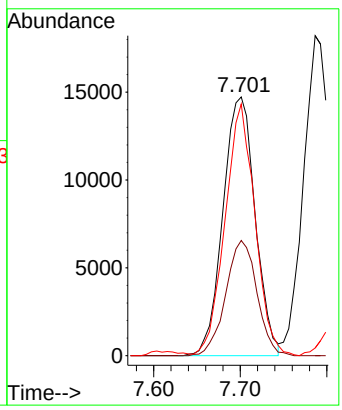


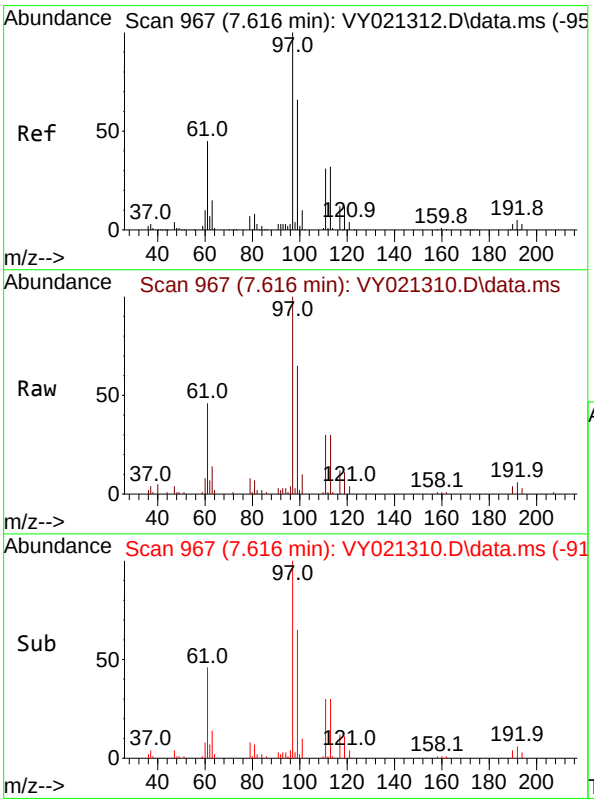
#31
Cyclohexane
Concen: 10.253 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 38072

Ion	Ratio	Lower	Upper
56	100		
69	44.5	26.2	39.4#
84	96.3	70.2	105.4

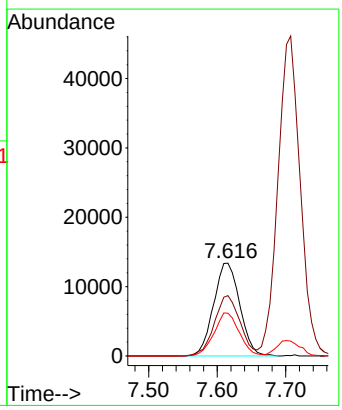


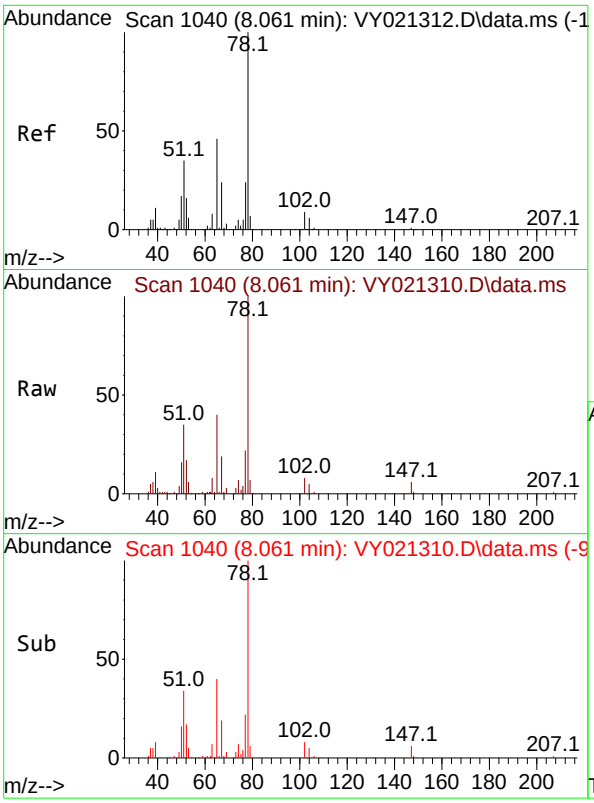


#32
1,1,1-Trichloroethane
Concen: 9.961 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 97 Resp: 35489

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	45.1	36.2	54.2



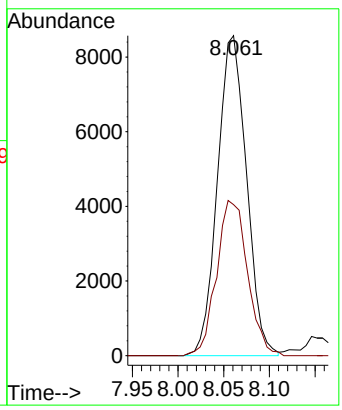


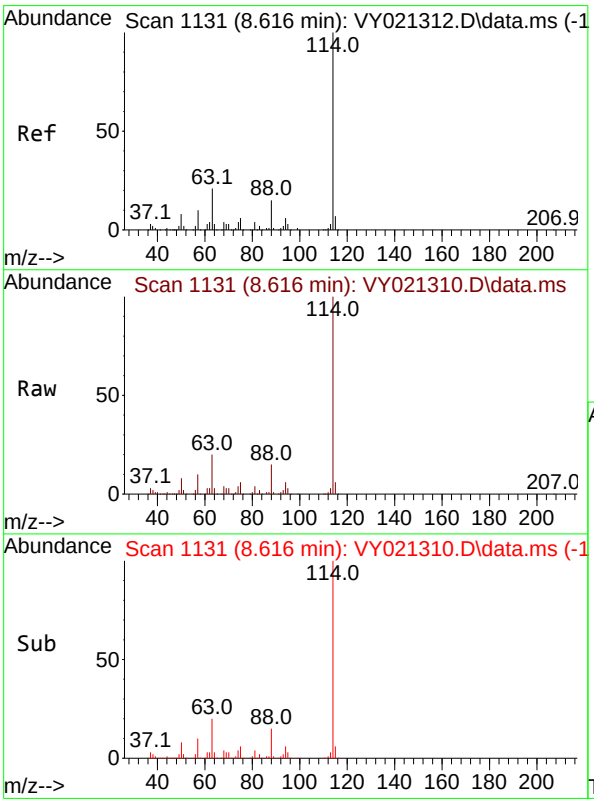
#33
1,2-Dichloroethane-d4
Concen: 8.992 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 18938

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6

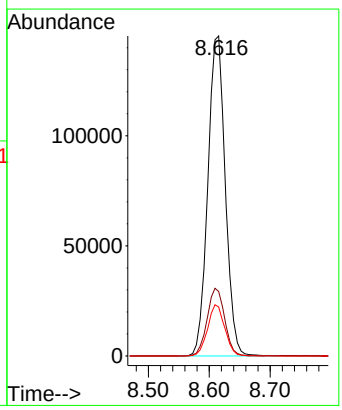


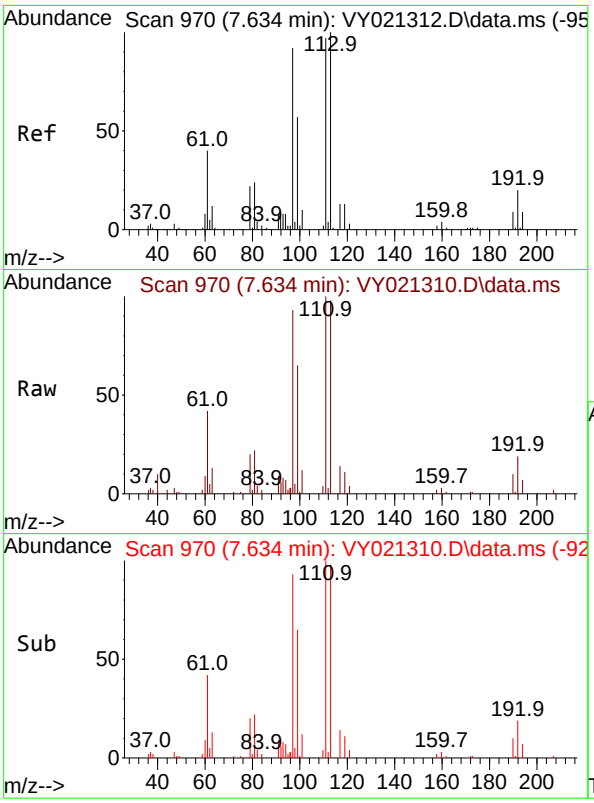


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:114 Resp: 289178

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.2
88	15.3	0.0	29.8



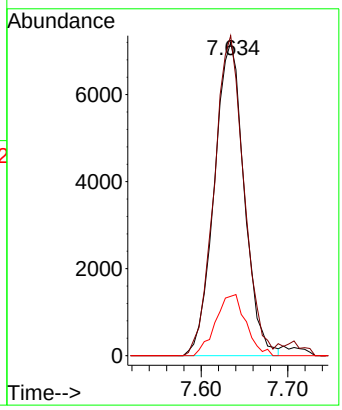


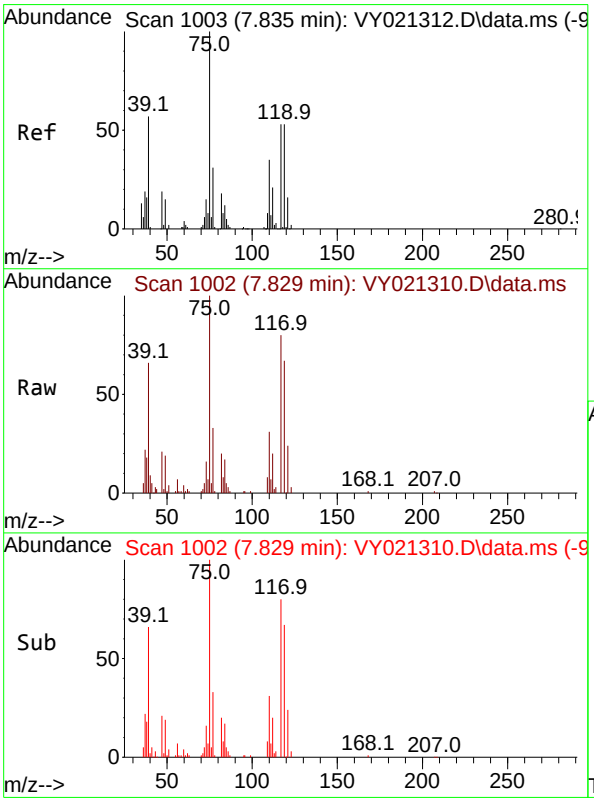
#35
Dibromofluoromethane
Concen: 9.108 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 17267

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.6
192	19.7	15.8	23.8

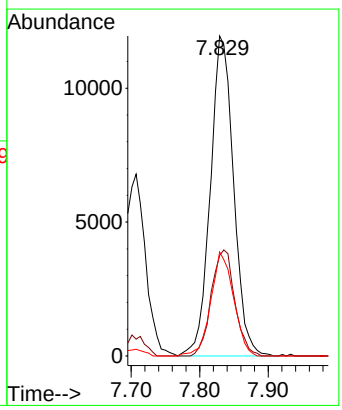


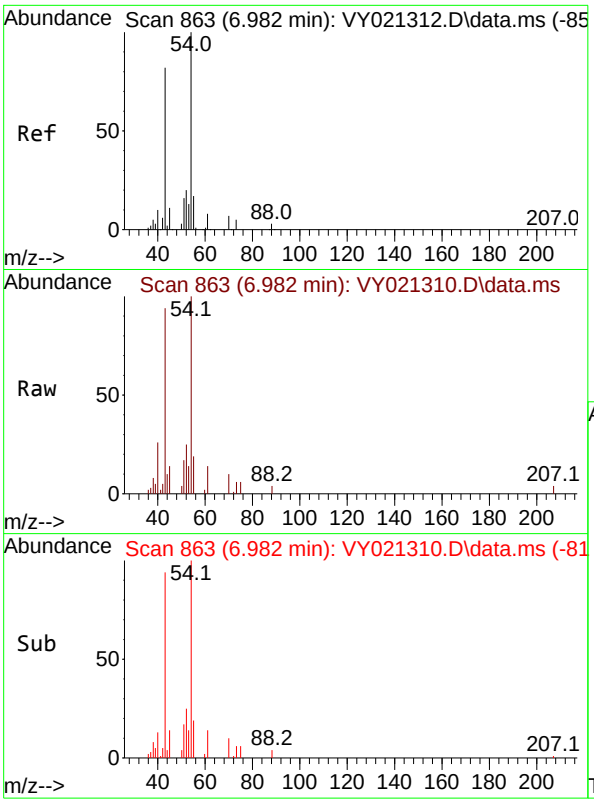


#36
1,1-Dichloropropene
Concen: 9.892 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 28171

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	31.9	24.6	36.8



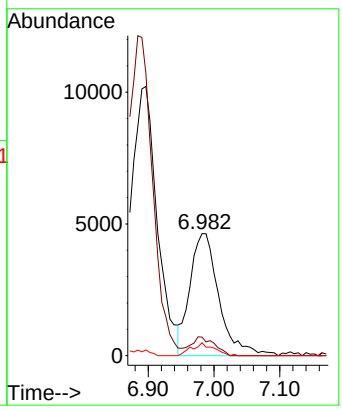


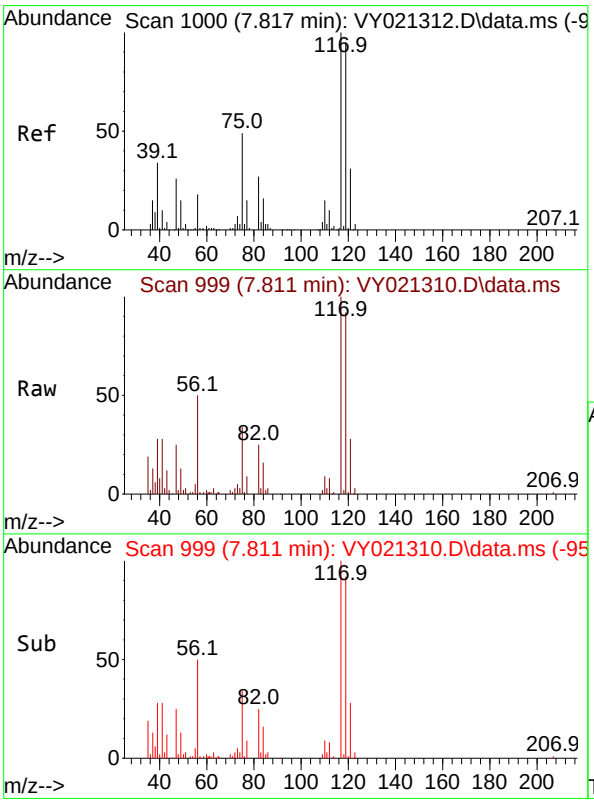
#37
Ethyl Acetate
Concen: 10.038 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 14219

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	8.0	7.5	11.3

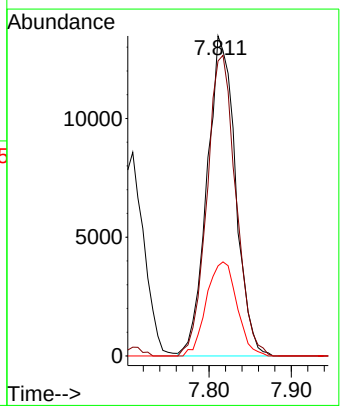


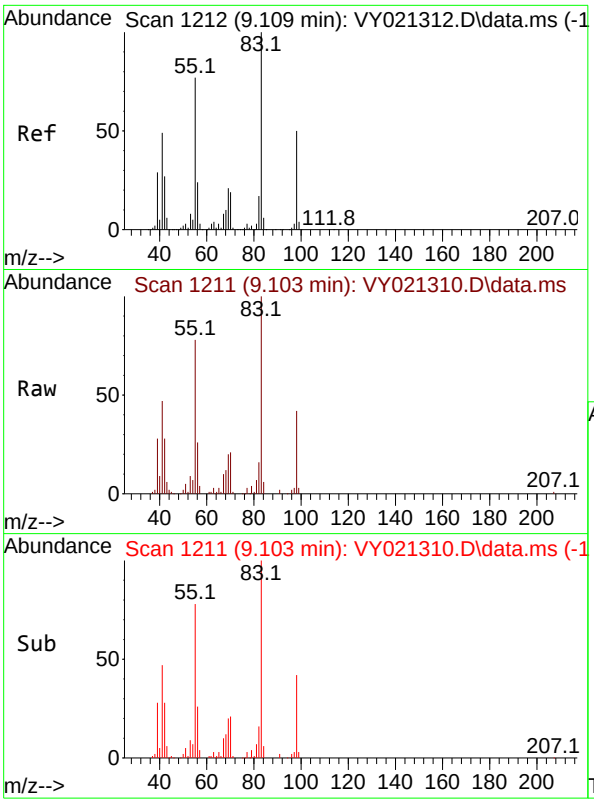


#38
Carbon Tetrachloride
Concen: 10.149 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 32494

Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.0	114.0
121	28.1	24.9	37.3



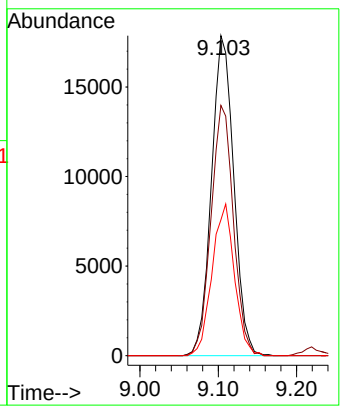


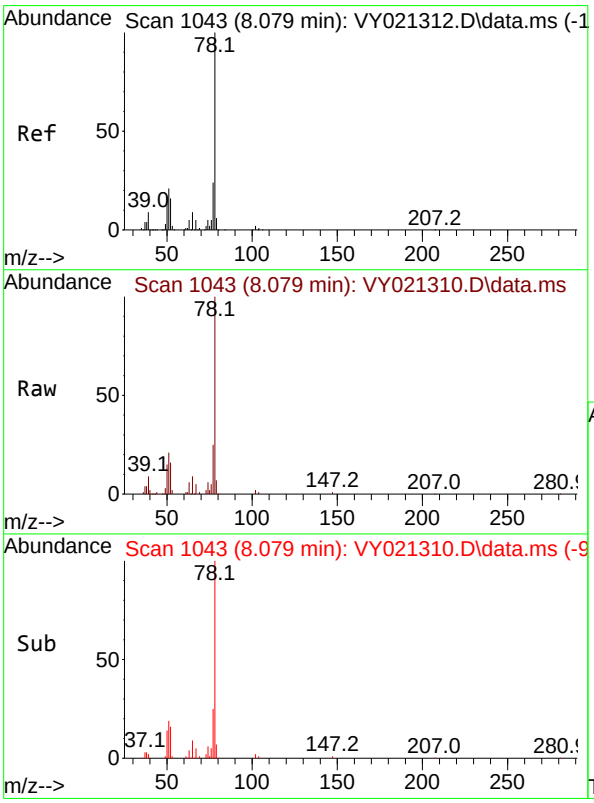
#39
Methylcyclohexane
Concen: 9.837 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 35431

Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.3	91.9
98	42.5	39.9	59.9

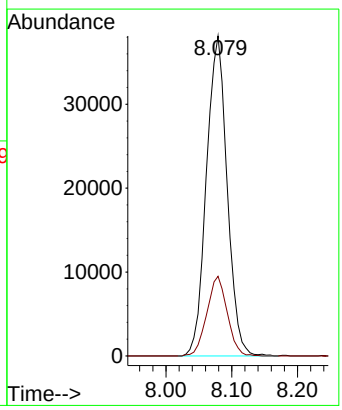


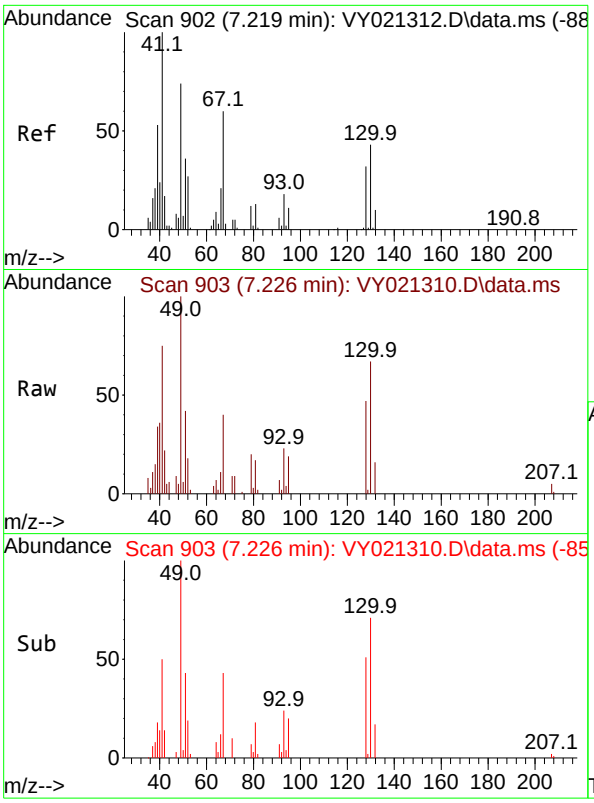


#40
Benzene
Concen: 9.930 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 78 Resp: 83594

Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8



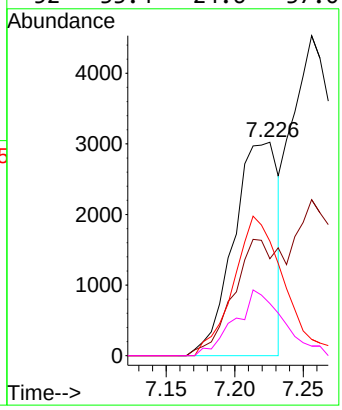


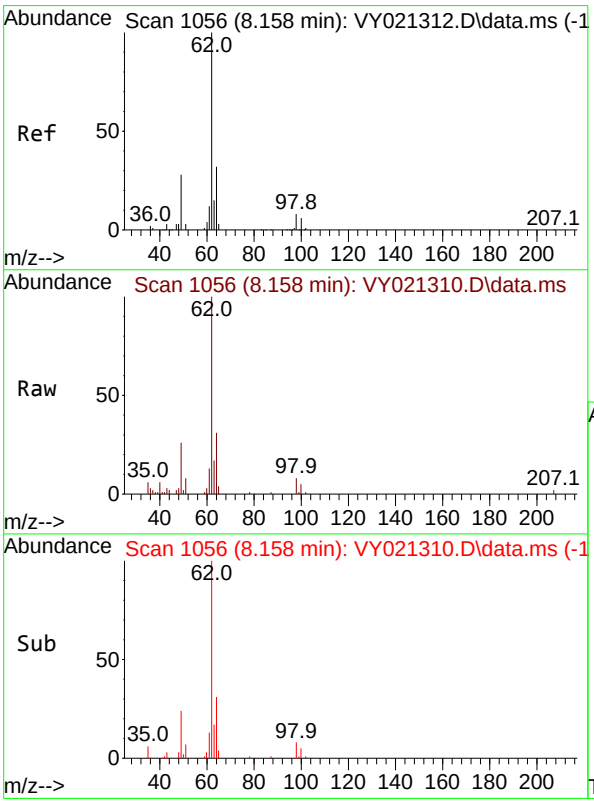
#41
Methacrylonitrile
Concen: 8.642 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 6845

Ion	Ratio	Lower	Upper
41	100		
39	60.5	42.3	63.5
67	74.2	54.8	82.2
52	33.4	24.6	37.0

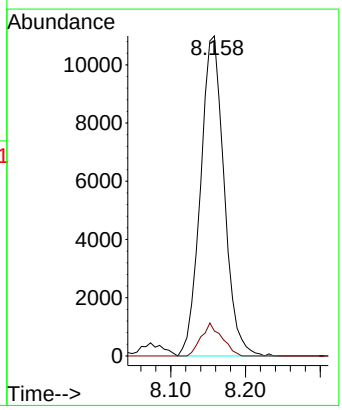


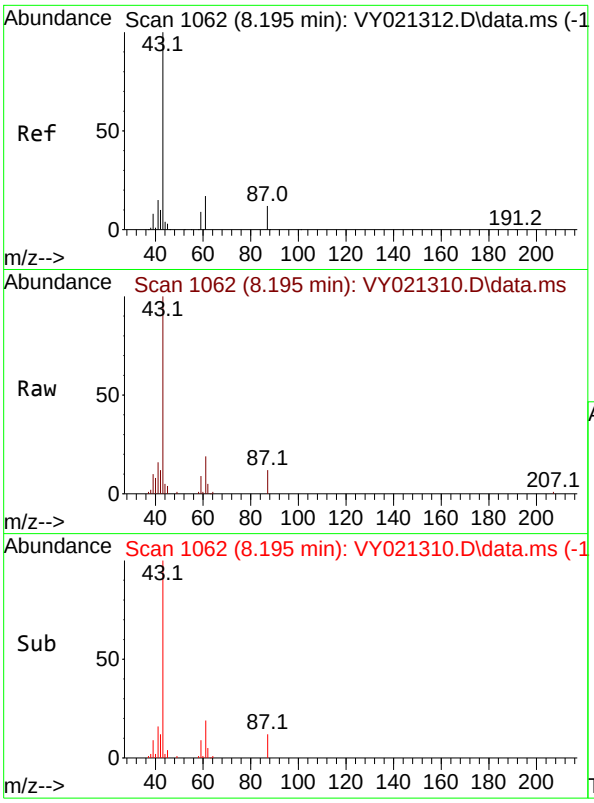


#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 62 Resp: 24091

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6



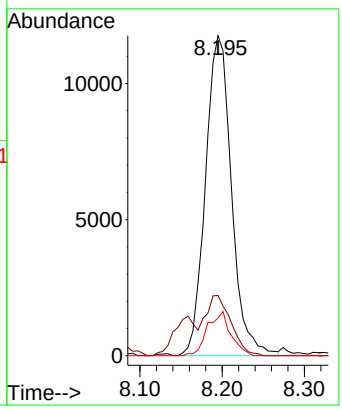


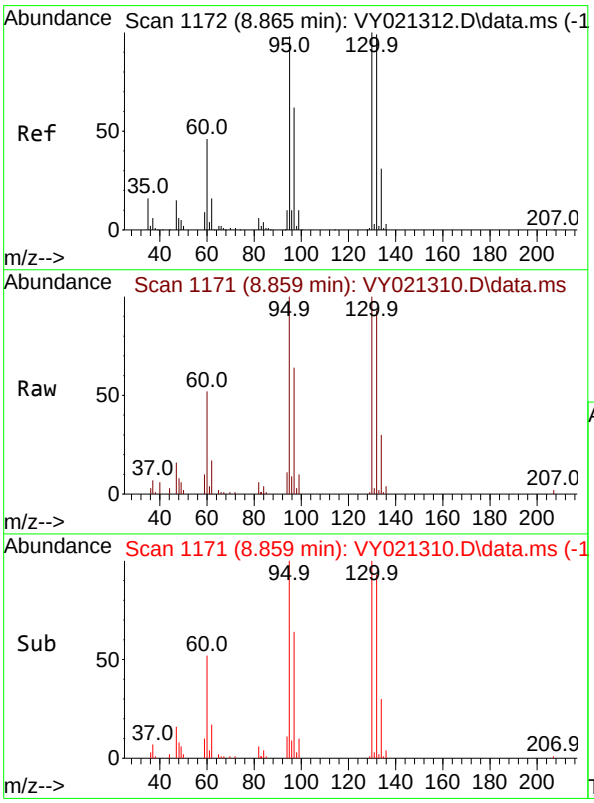
#43
Isopropyl Acetate
Concen: 9.436 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 25874

Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.0	22.6
87	12.3	10.0	15.0

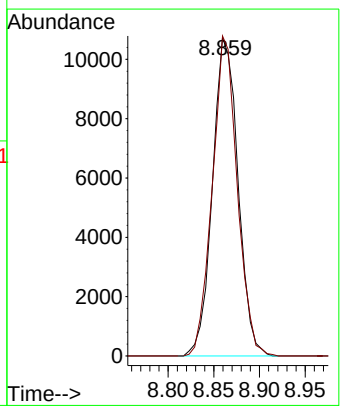


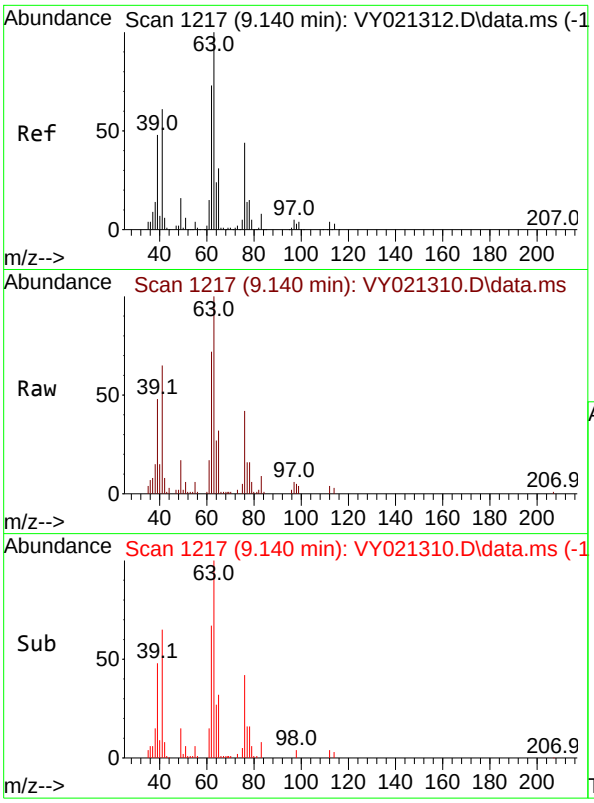


#44
Trichloroethene
Concen: 9.880 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:130 Resp: 20823

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	196.0



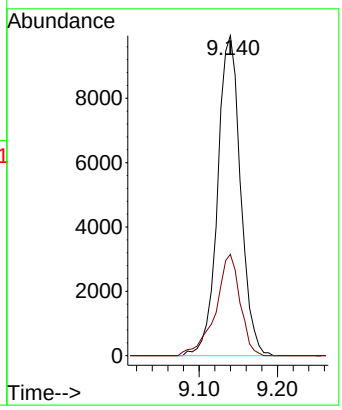


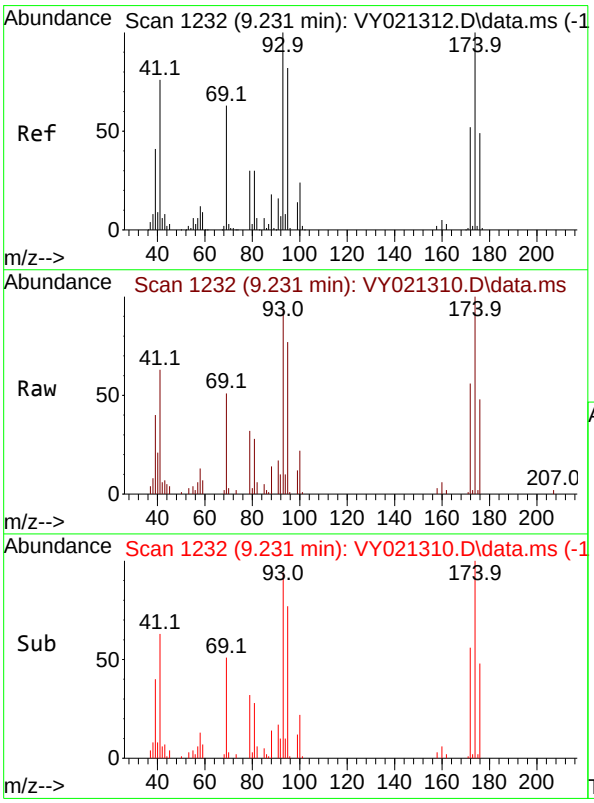
#45
1,2-Dichloropropane
Concen: 9.978 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 20214

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.6	36.8

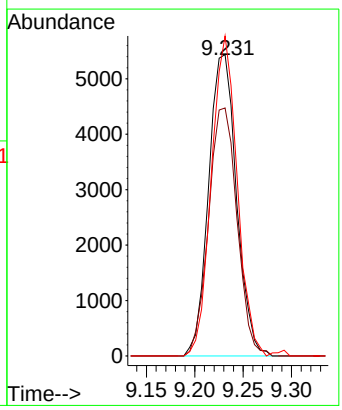


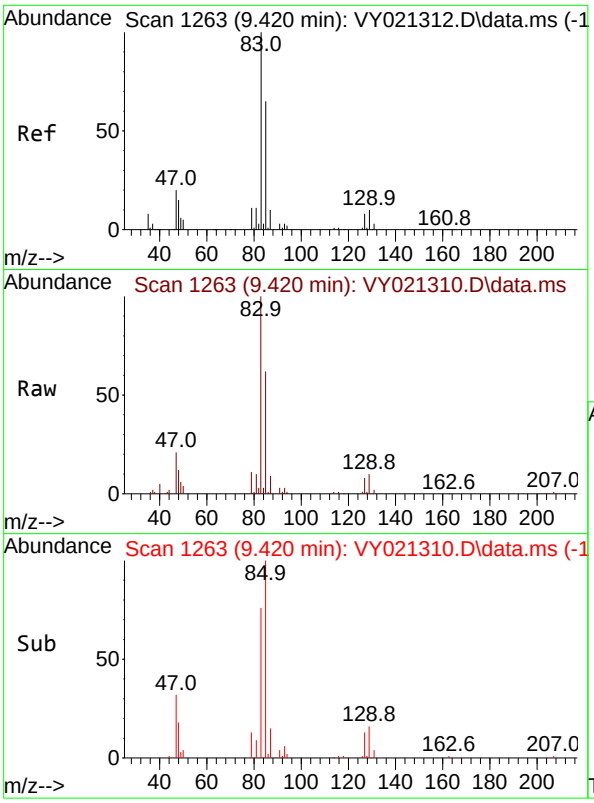


#46
Dibromomethane
Concen: 9.845 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 93 Resp: 10902

Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.4	99.6
174	98.2	78.2	117.2



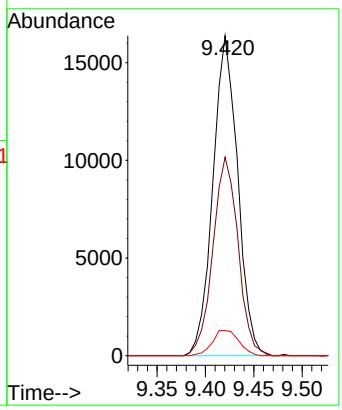


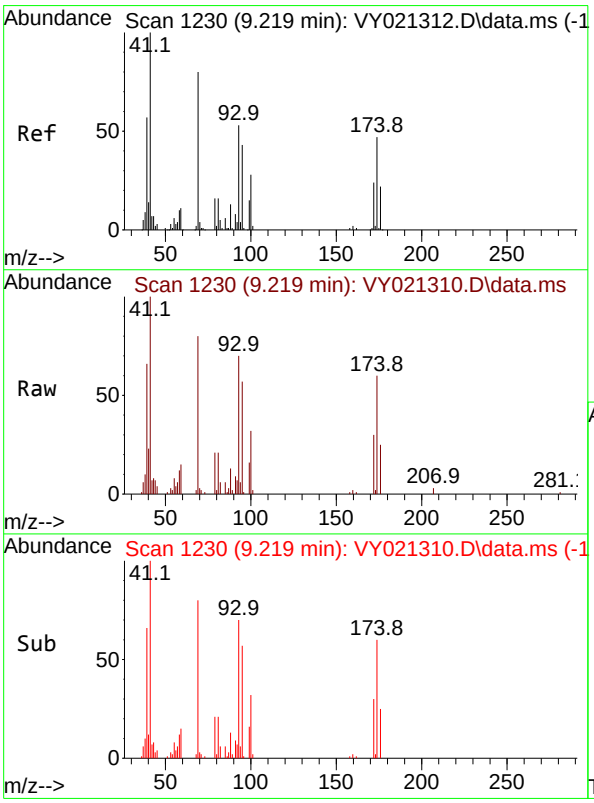
#47
Bromodichloromethane
Concen: 9.860 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 29114

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.8
127	7.9	6.7	10.1

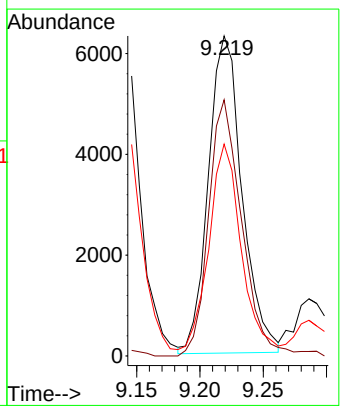


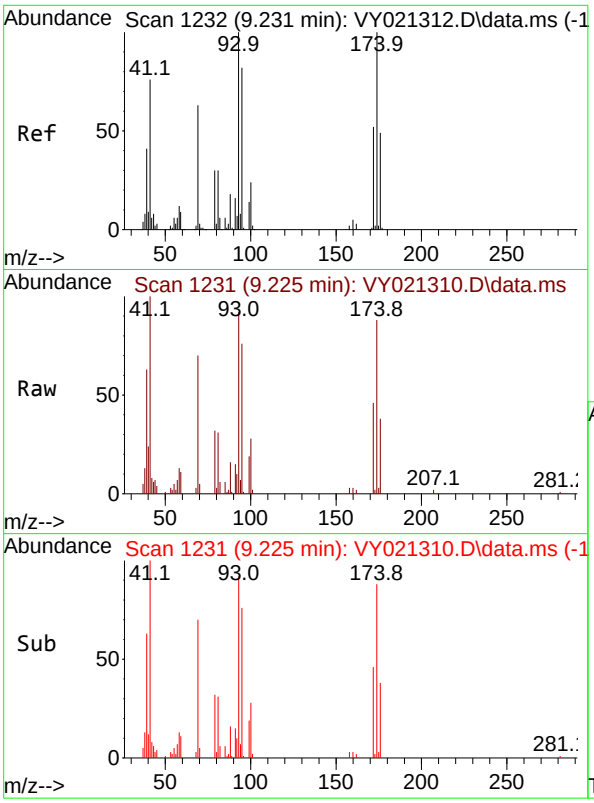


#48
Methyl methacrylate
Concen: 9.088 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 41 Resp: 11652

Ion	Ratio	Lower	Upper
41	100		
69	80.1	63.3	94.9
39	61.7	45.0	67.6



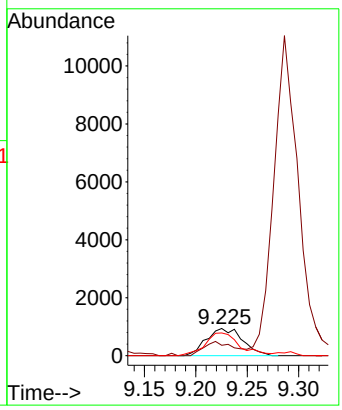


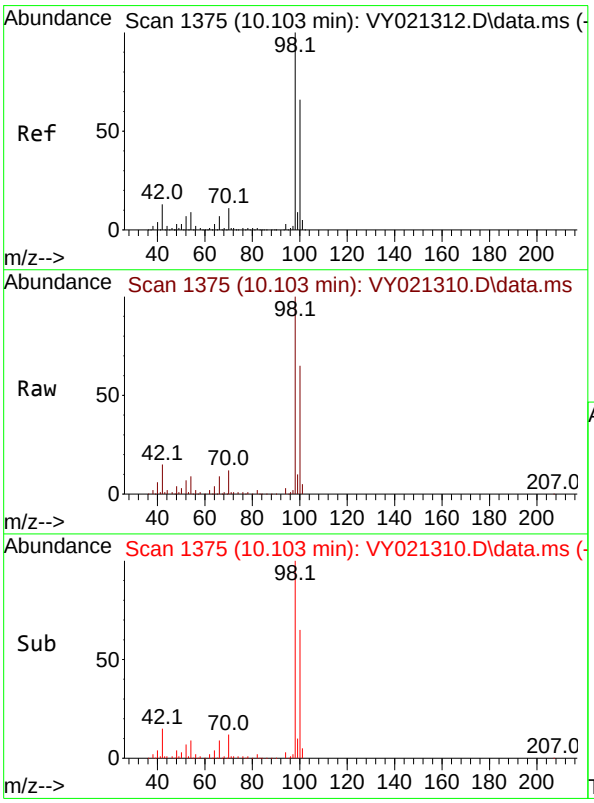
#49
1,4-Dioxane
Concen: 187.520 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 2309

Ion	Ratio	Lower	Upper
88	100		
43	44.1	34.8	52.2
58	79.5	59.8	89.6

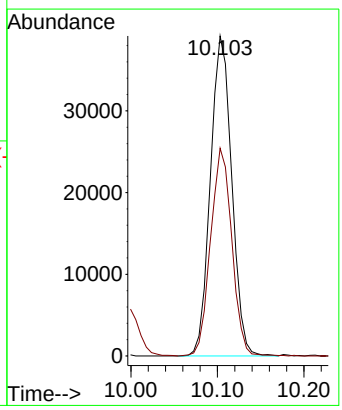


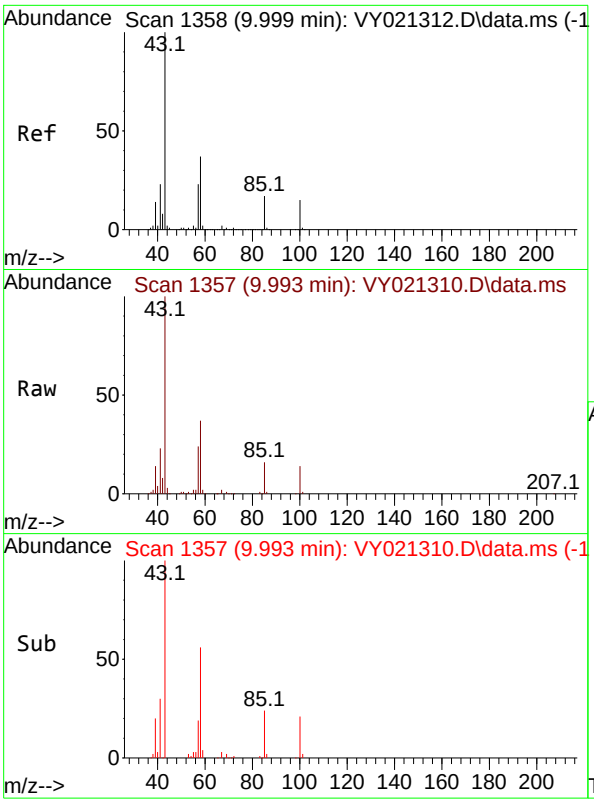


#50
Toluene-d8
Concen: 9.141 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 98 Resp: 66979

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.4	78.6



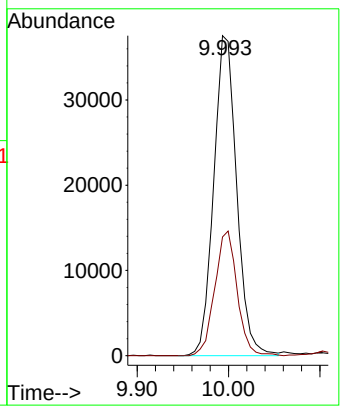


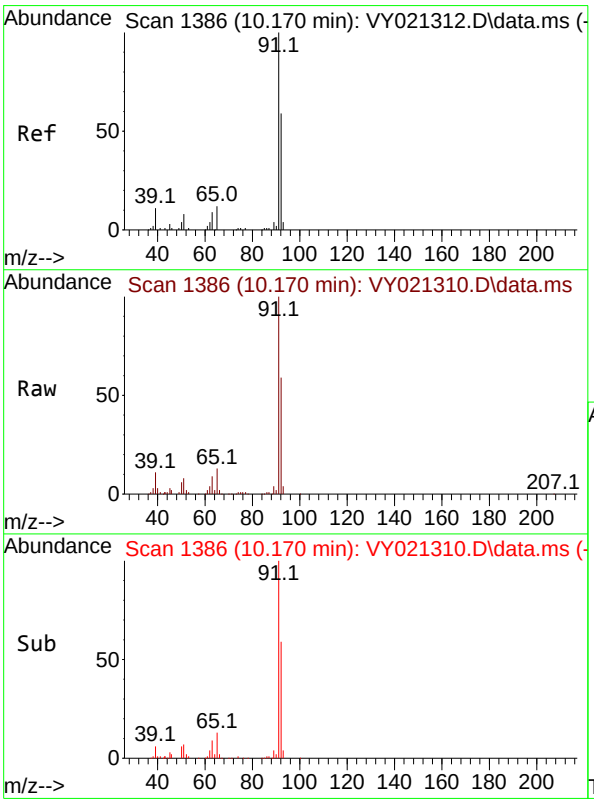
#51
4-Methyl-2-Pentanone
Concen: 46.808 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 65698

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.1	45.1

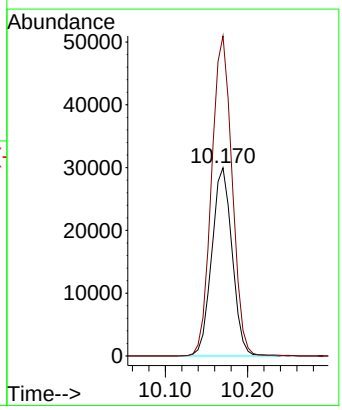


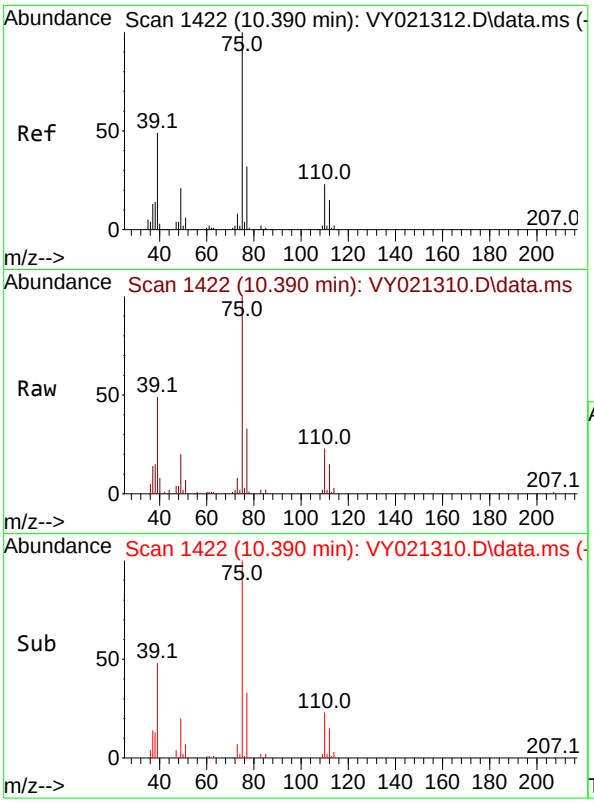


#52
Toluene
Concen: 9.823 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 92 Resp: 51371

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.8	206.8



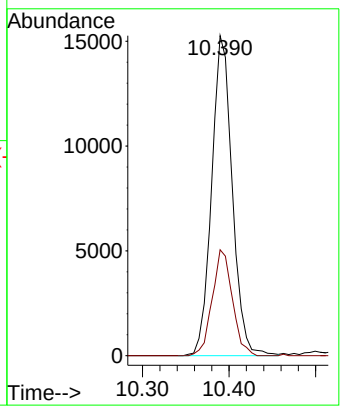


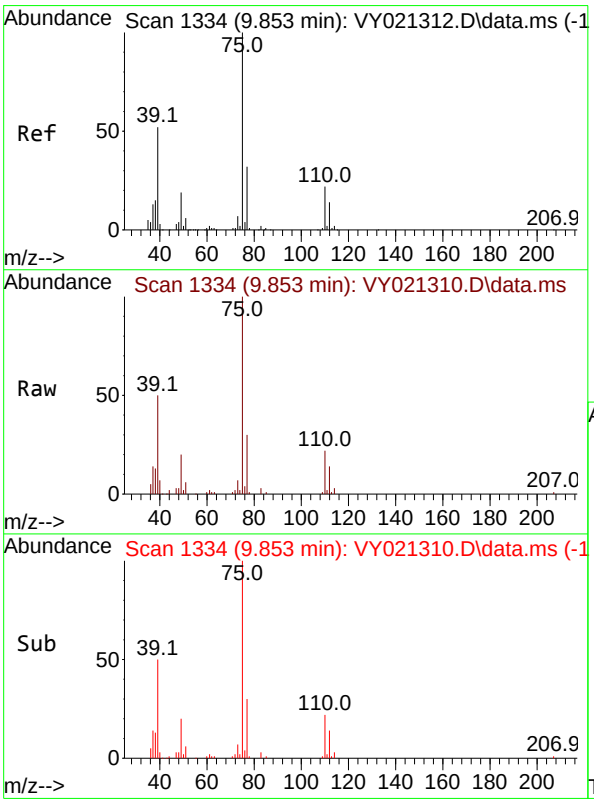
#53
t-1,3-Dichloropropene
Concen: 9.322 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 25218

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.3	37.9

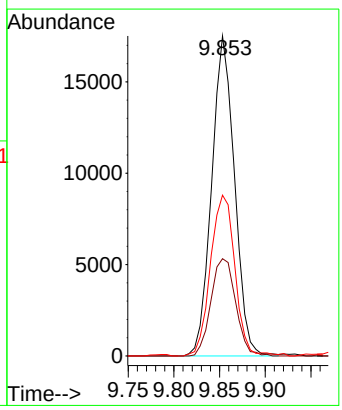


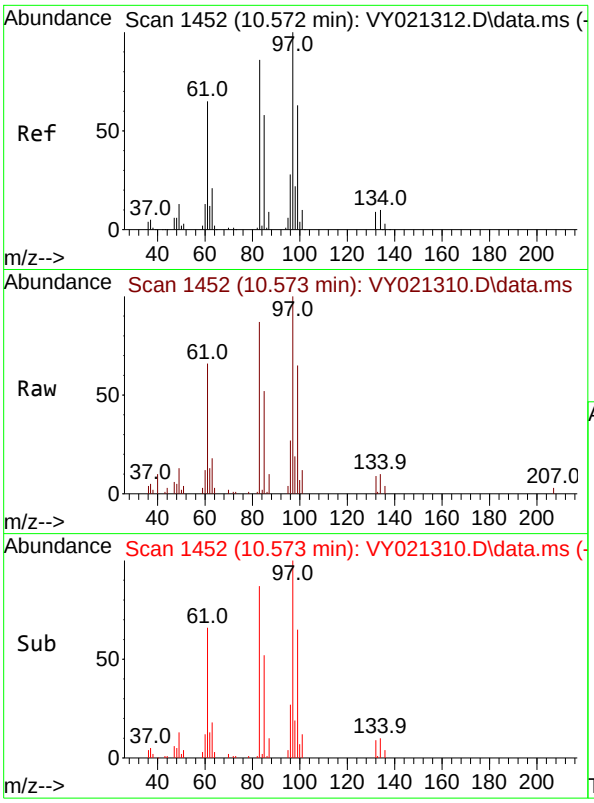


#54
cis-1,3-Dichloropropene
Concen: 9.528 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 30428

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.7	38.5
39	50.2	41.8	62.6



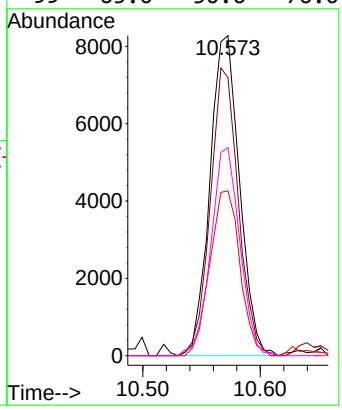


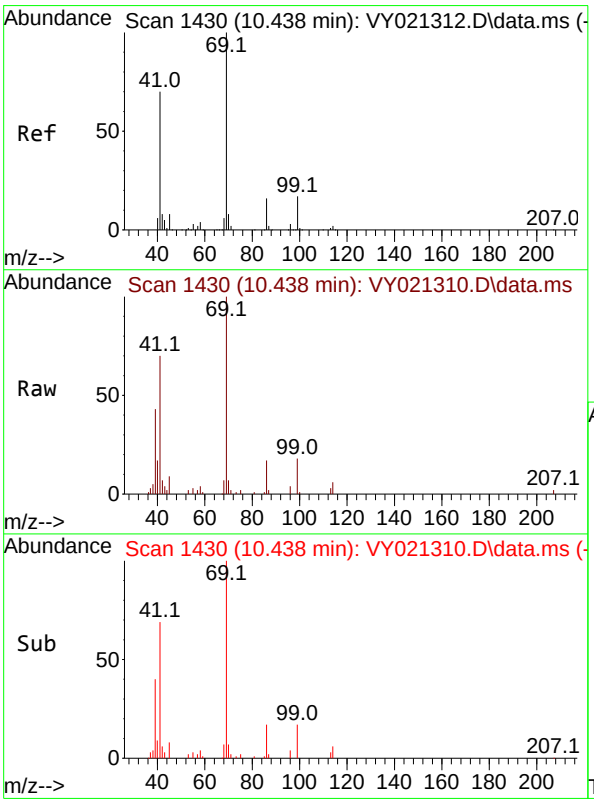
#55
1,1,2-Trichloroethane
Concen: 10.057 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 14509

Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.7	103.1
85	51.5	46.3	69.5
99	65.0	50.6	76.0

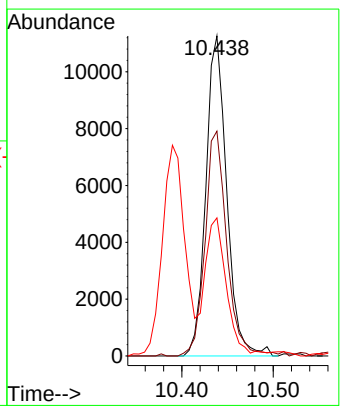


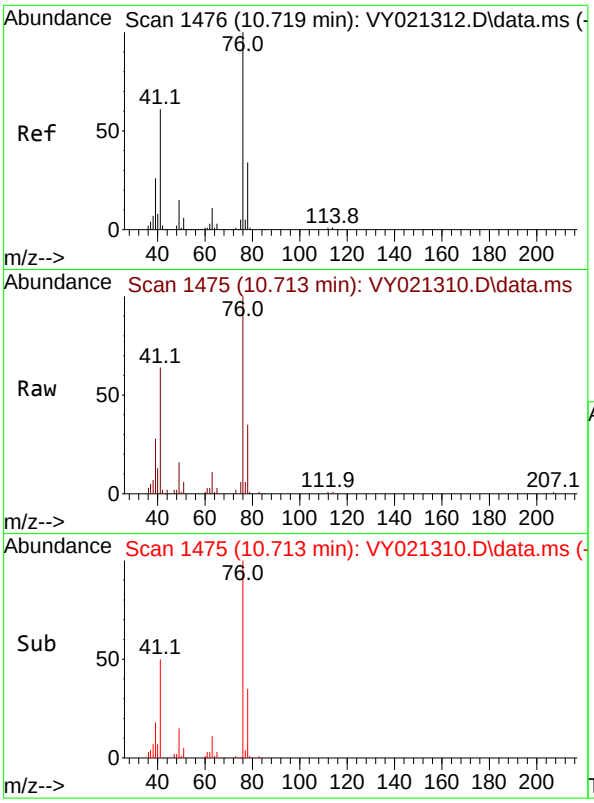


#56
Ethyl methacrylate
Concen: 8.938 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 69 Resp: 17817

Ion	Ratio	Lower	Upper
69	100		
41	73.6	56.2	84.4
39	43.1	32.7	49.1



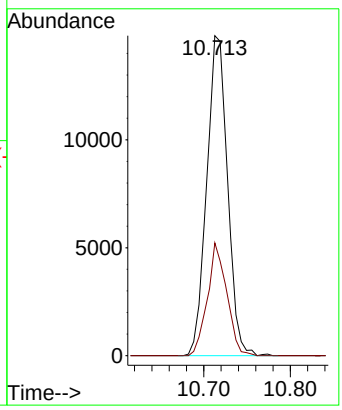


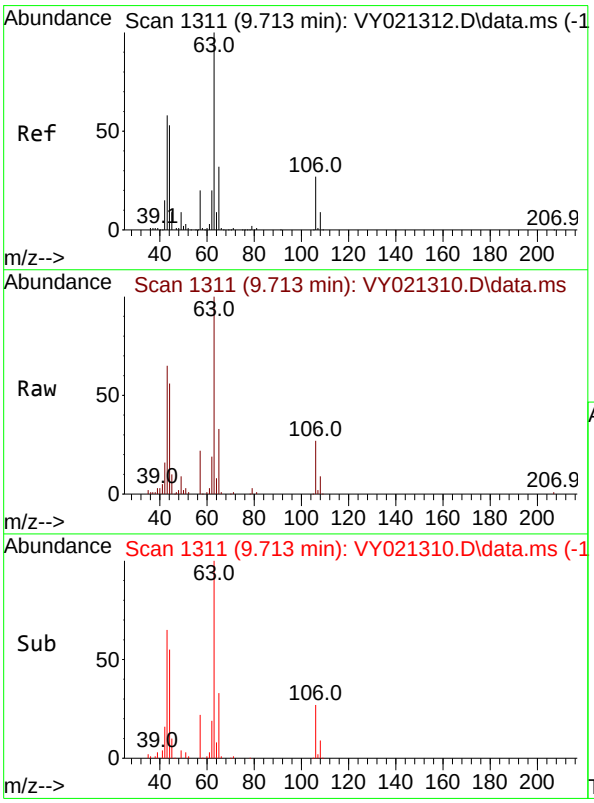
#57
1,3-Dichloropropane
Concen: 9.784 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 24769

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

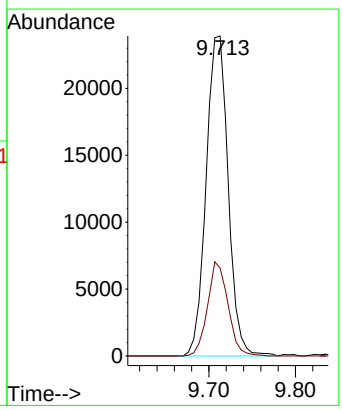


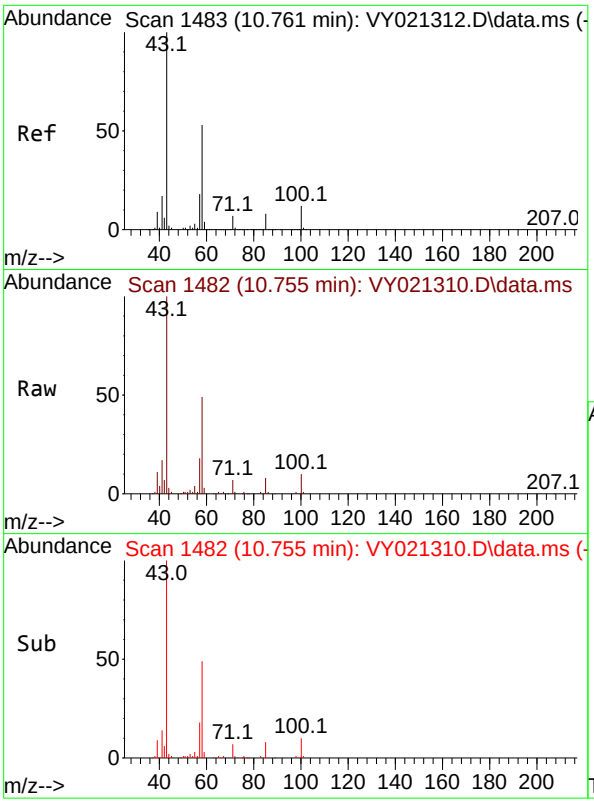


#58
2-Chloroethyl Vinyl ether
Concen: 44.215 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 63 Resp: 42304

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.7	32.5



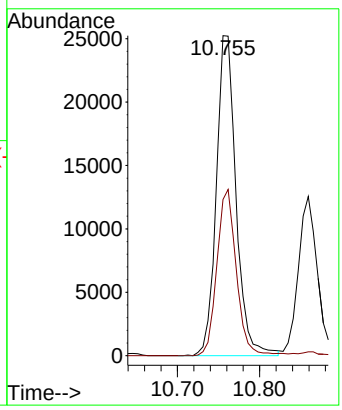


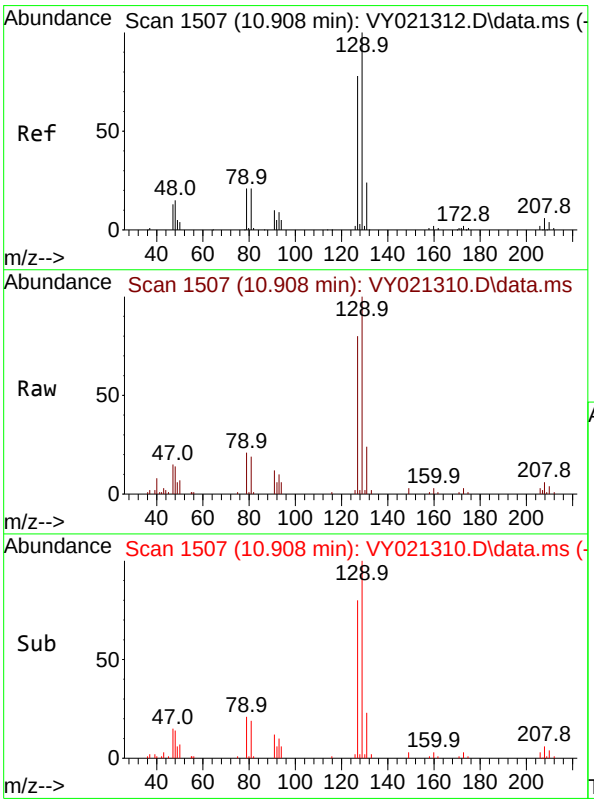
#59
2-Hexanone
Concen: 45.697 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 42123

Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.9	77.6

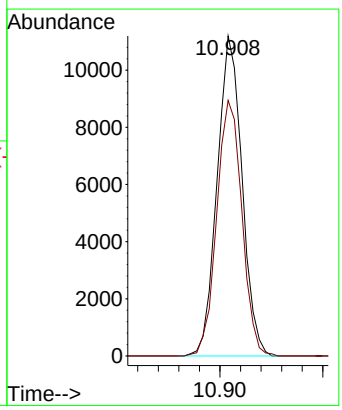


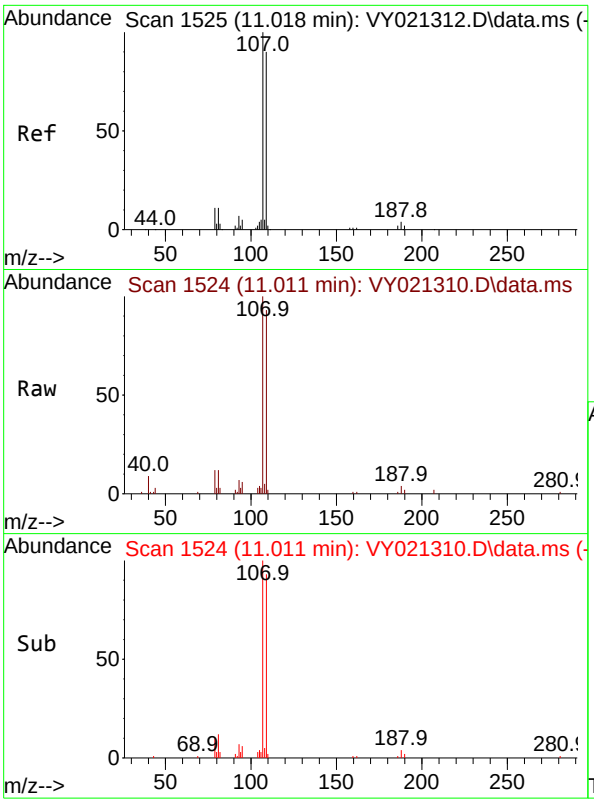


#60
Dibromochloromethane
Concen: 9.565 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:129 Resp: 18793

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.8	116.4



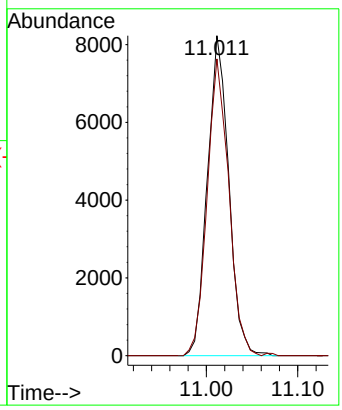


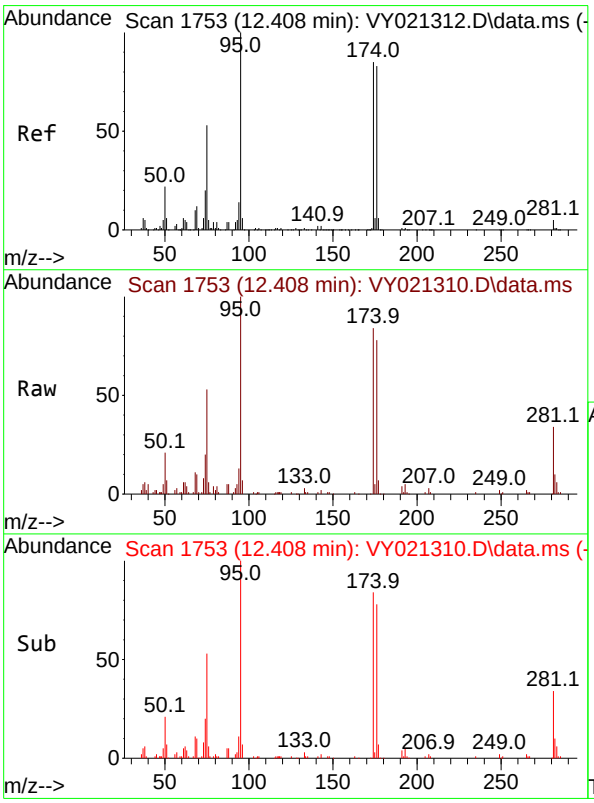
#61
1,2-Dibromoethane
Concen: 9.775 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 13351

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.8	110.8

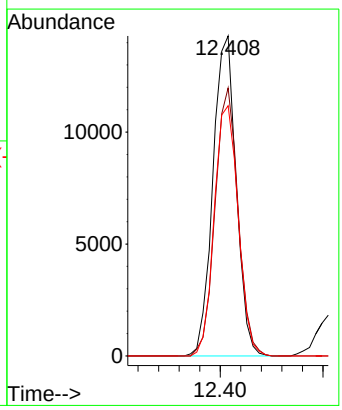


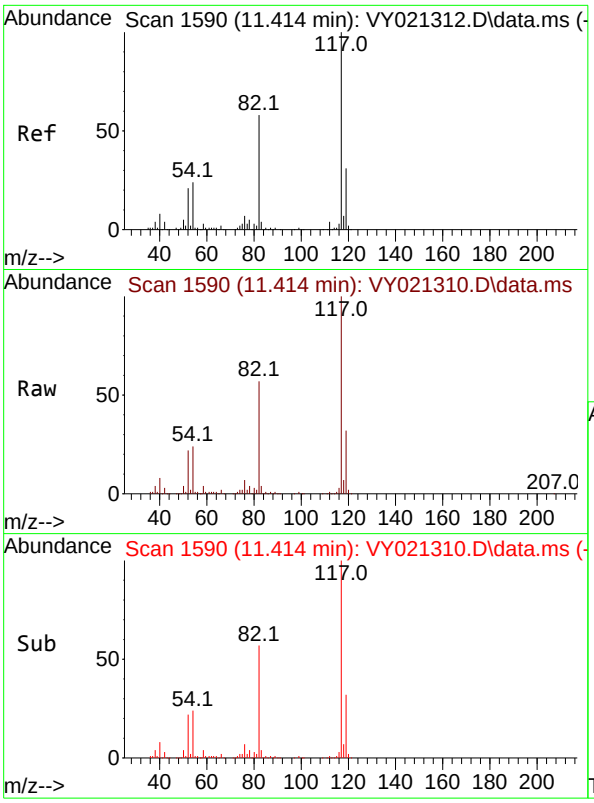


#62
4-Bromofluorobenzene
Concen: 9.069 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 95 Resp: 22364

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	168.0
176	80.9	0.0	162.6



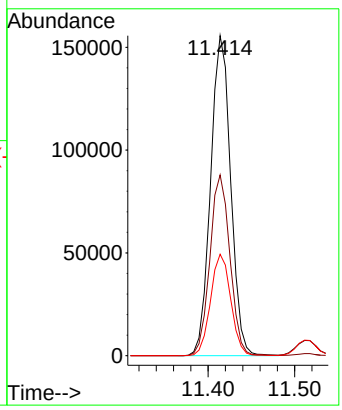


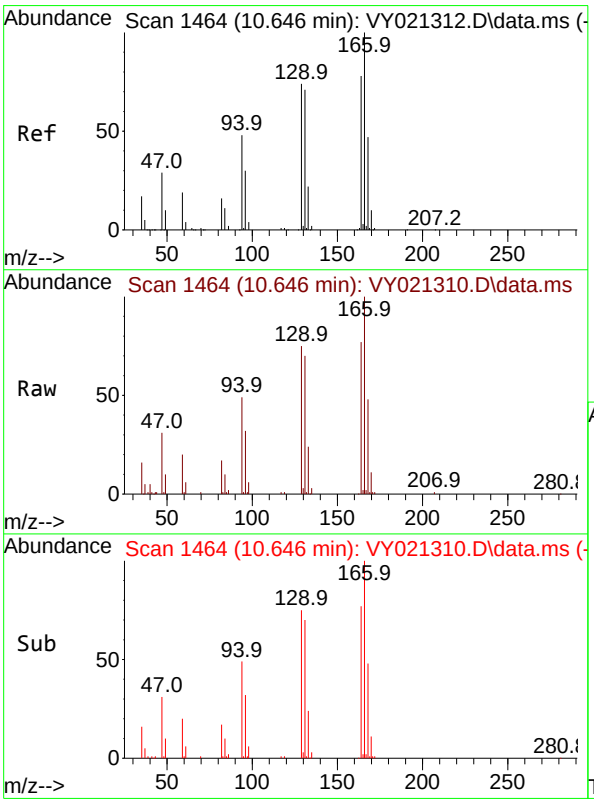
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 250629

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.2	69.4
119	31.7	24.9	37.3

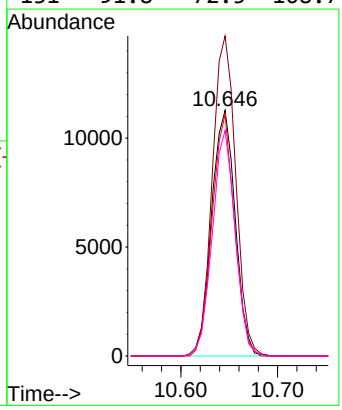


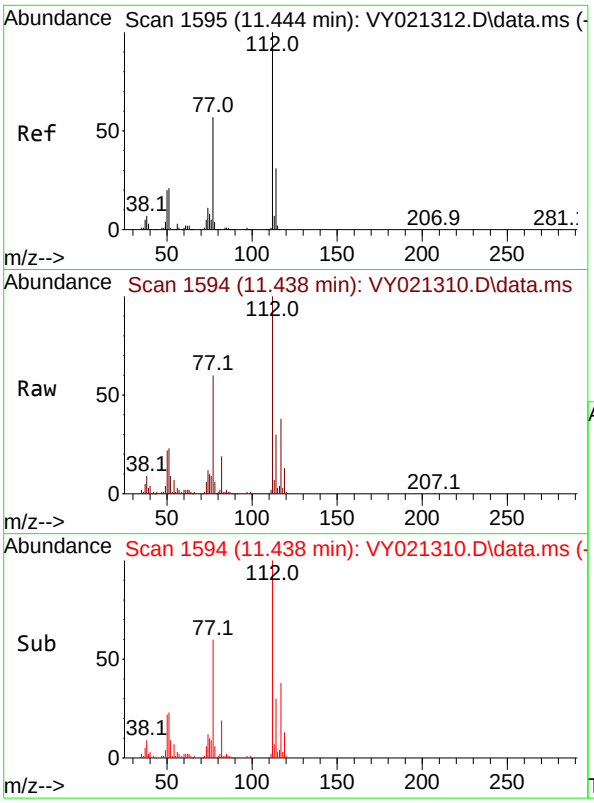


#64
Tetrachloroethene
Concen: 10.064 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:164 Resp: 19065

Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.9	152.9
129	98.3	75.5	113.3
131	91.8	72.5	108.7



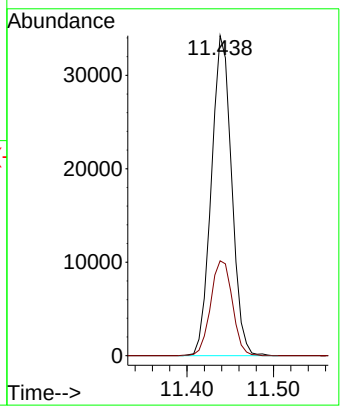


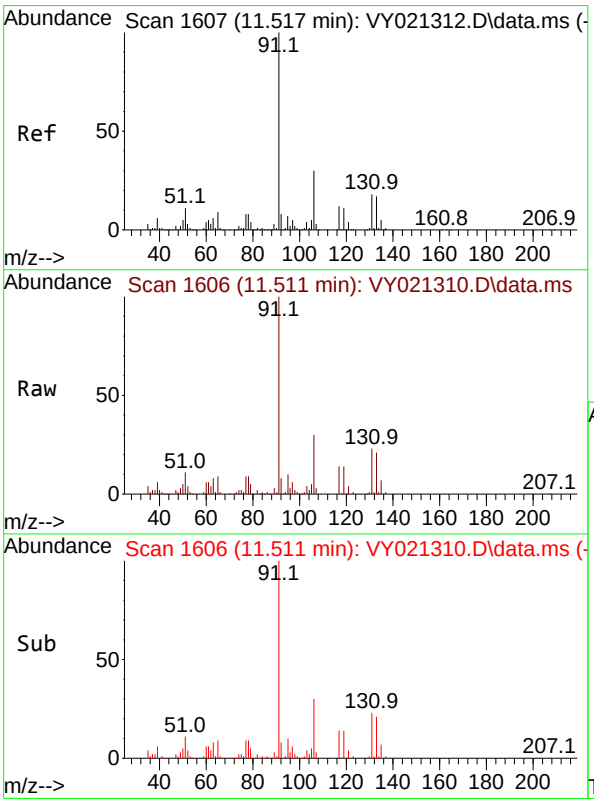
#65
Chlorobenzene
Concen: 9.899 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 55689

Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.0	37.6

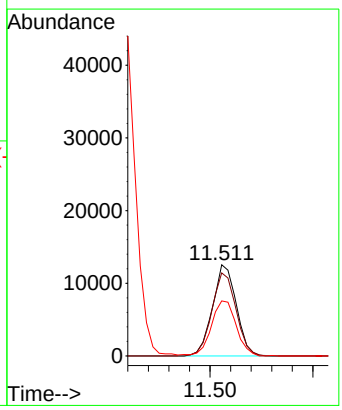


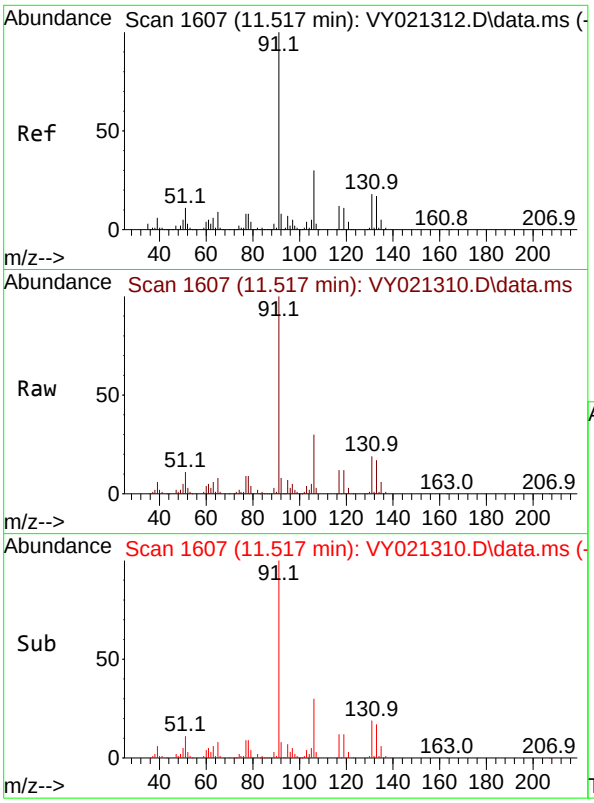


#66
1,1,1,2-Tetrachloroethane
Concen: 10.198 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:131 Resp: 20089

Ion	Ratio	Lower	Upper
131	100		
133	93.0	47.9	143.6
119	62.8	31.7	95.1



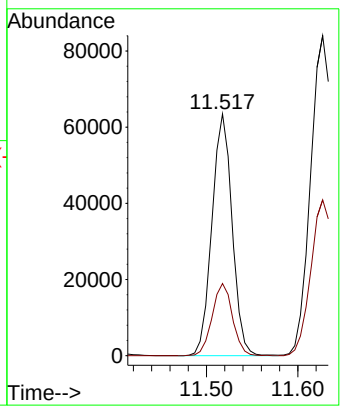


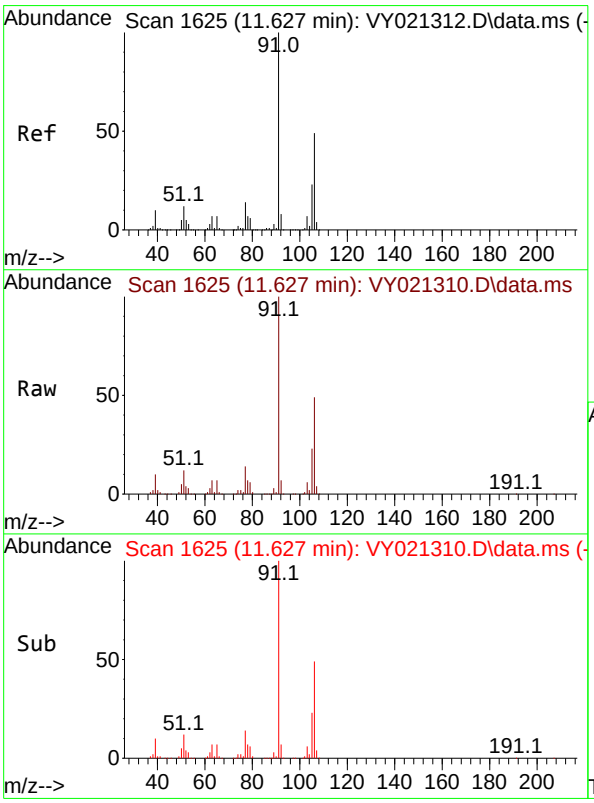
#67
Ethyl Benzene
Concen: 9.764 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 97299

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.4	36.6

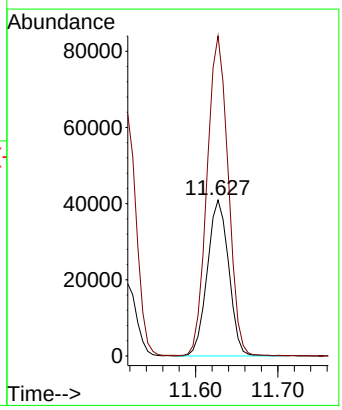


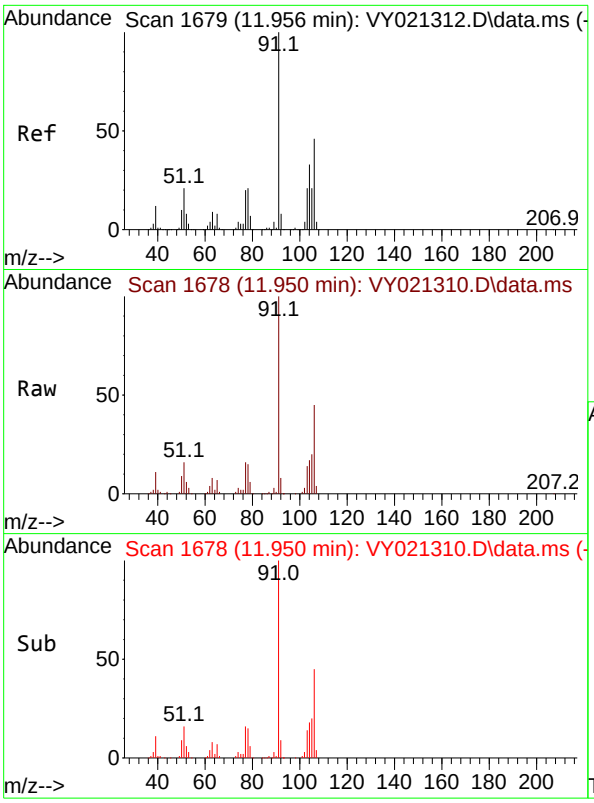


#68
m/p-Xylenes
Concen: 19.740 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:106 Resp: 73991

Ion	Ratio	Lower	Upper
106	100		
91	203.6	163.9	245.9



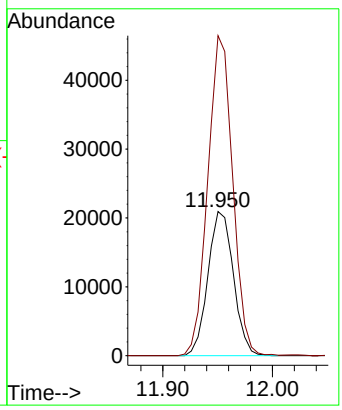


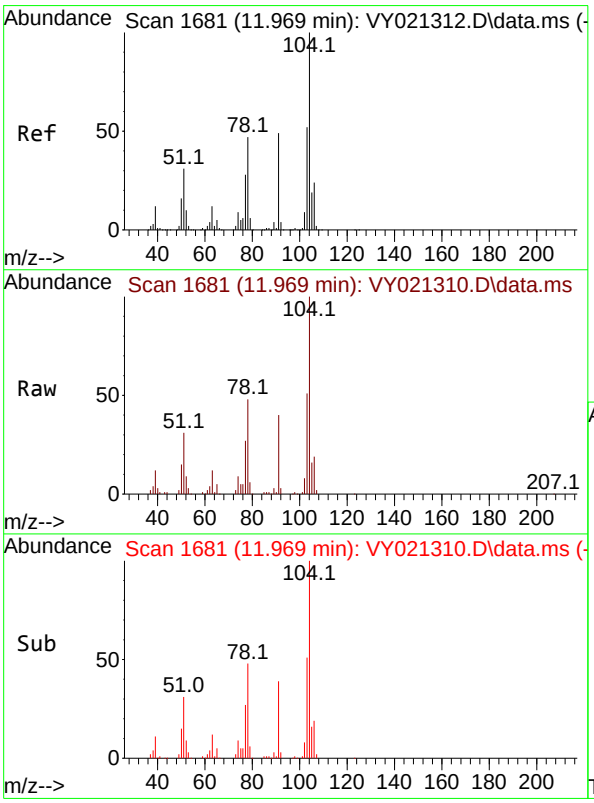
#69
o-Xylene
Concen: 9.632 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 33822

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.1	324.2

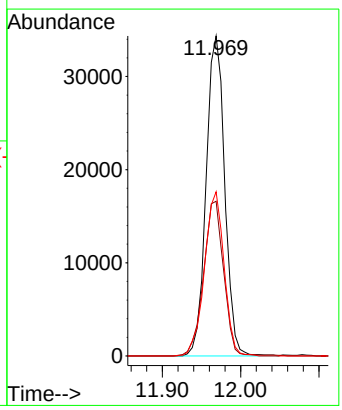


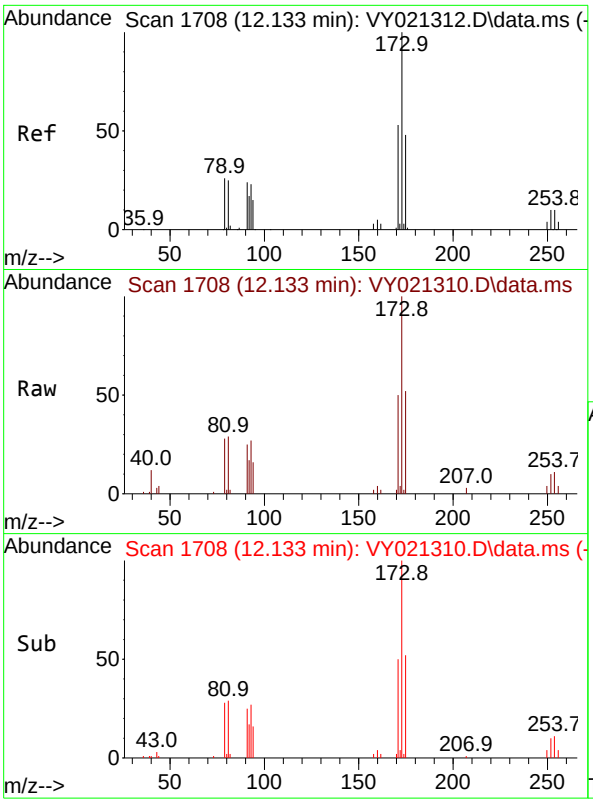


#70
Styrene
Concen: 9.679 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:104 Resp: 56550

Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.3	61.9
103	54.2	43.9	65.9



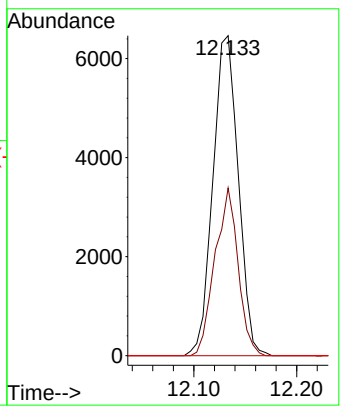


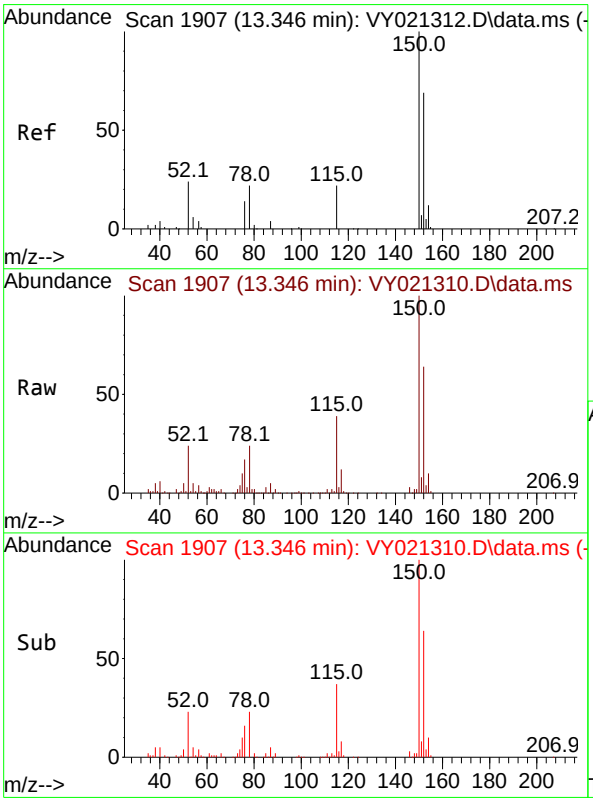
#71
Bromoform
Concen: 9.820 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 11067

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.3
254	0.0	0.1	0.1#

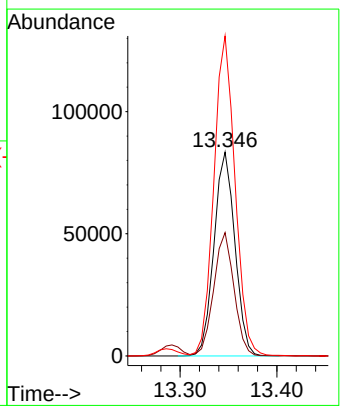


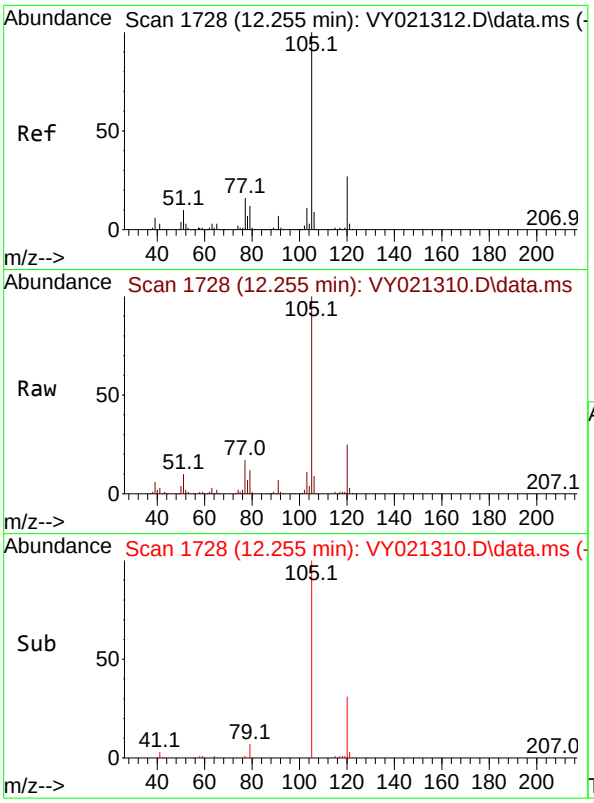


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:152 Resp: 125138

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	159.4	0.0	347.4



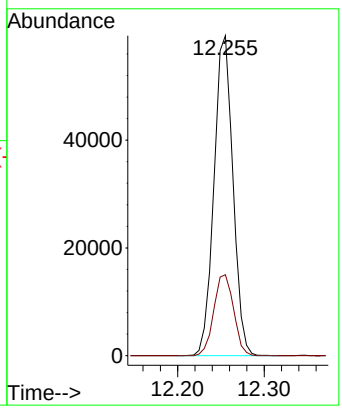


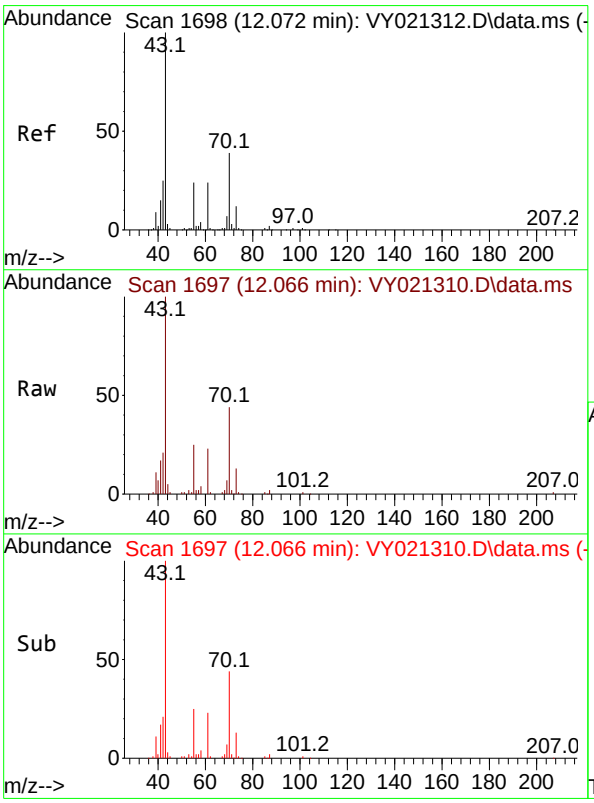
#73
Isopropylbenzene
Concen: 9.590 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 90221

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

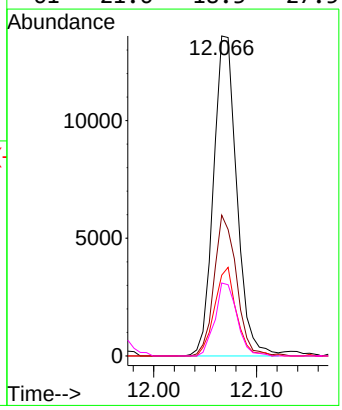


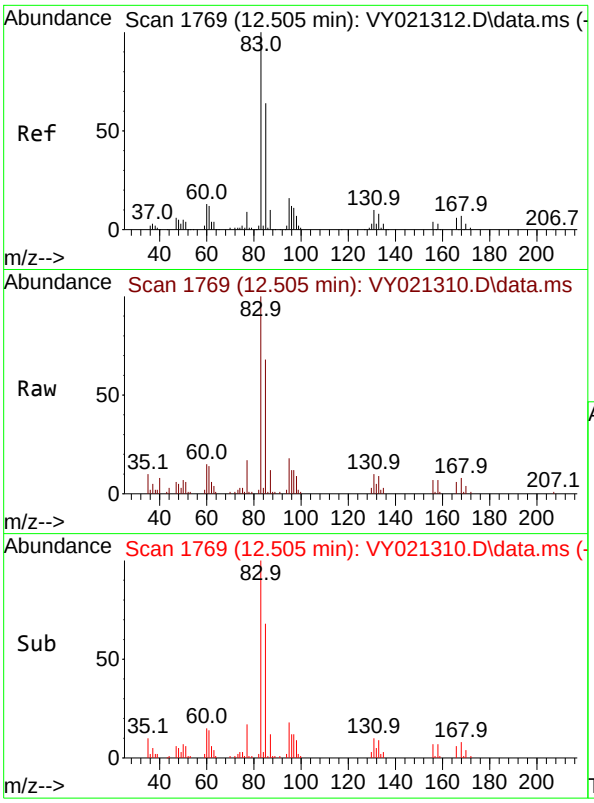


#74
N-amyl acetate
Concen: 8.937 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 43 Resp: 21370

Ion	Ratio	Lower	Upper
43	100		
70	42.4	32.2	48.2
55	25.9	19.6	29.4
61	21.6	18.3	27.5



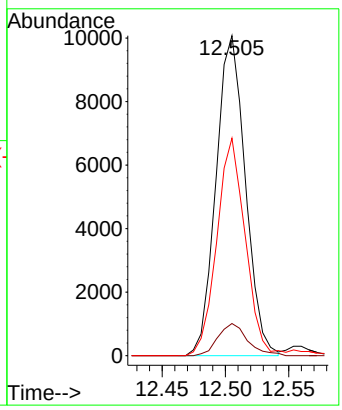


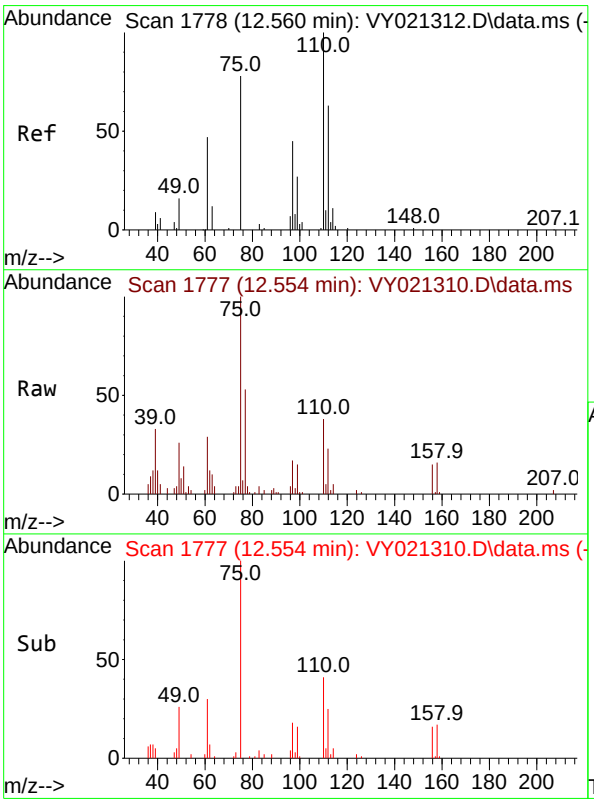
#75
1,1,2,2-Tetrachloroethane
Concen: 9.785 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 16246

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.2	15.6
85	65.8	32.0	96.0

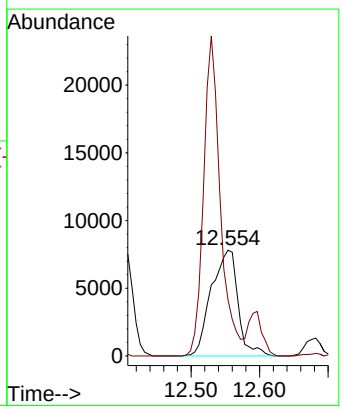


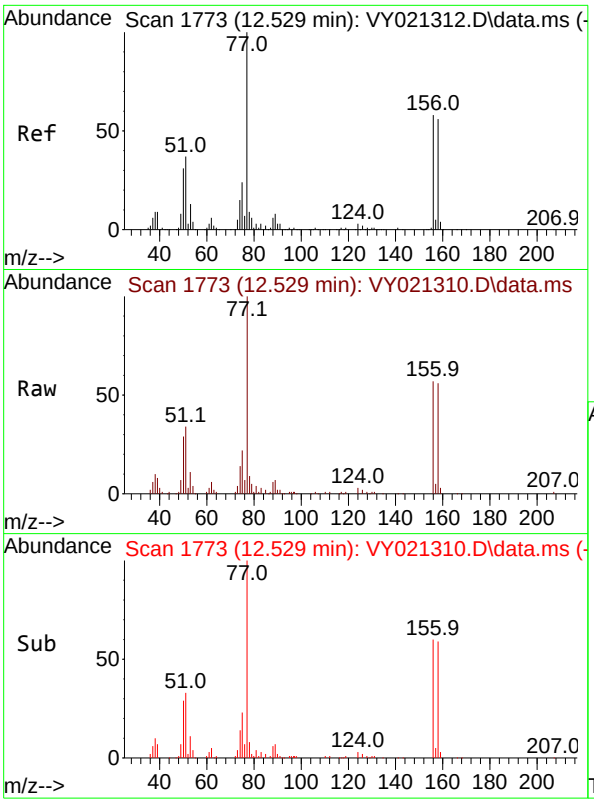


#76
1,2,3-Trichloropropane
Concen: 16.789 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 21157

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



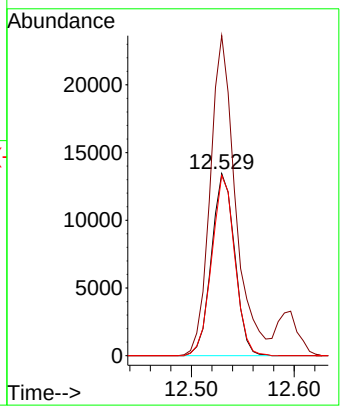


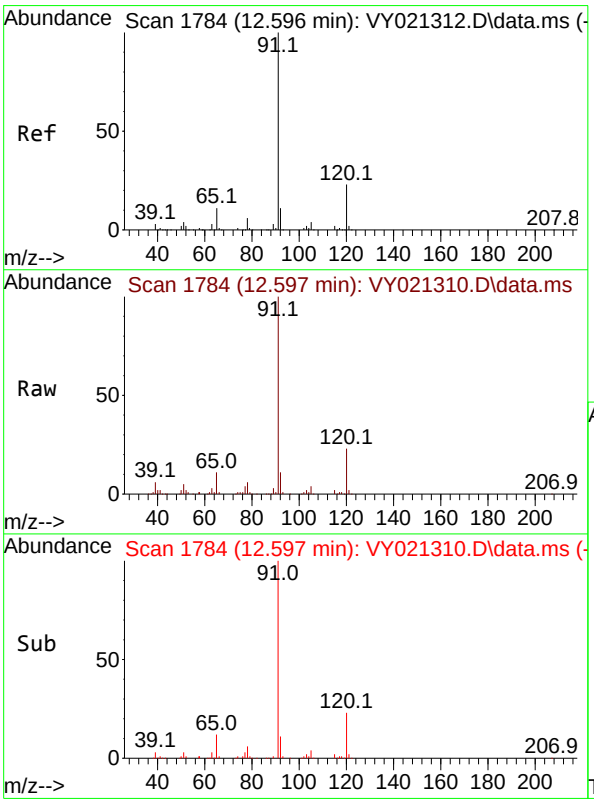
#77
Bromobenzene
Concen: 9.641 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 21097

Ion	Ratio	Lower	Upper
156	100		
77	190.2	94.0	282.1
158	98.2	48.7	146.1

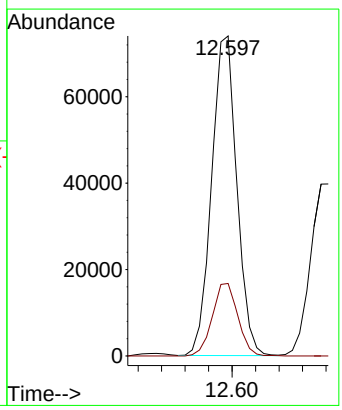


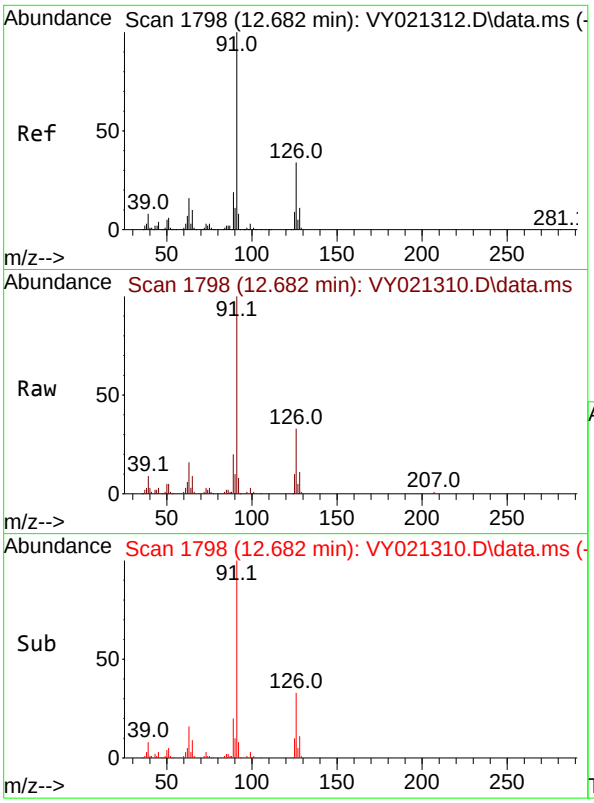


#78
n-propylbenzene
Concen: 9.652 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 110190

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.2	33.5



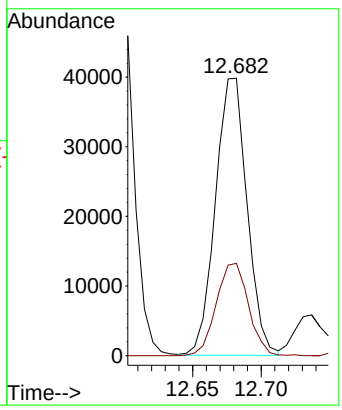


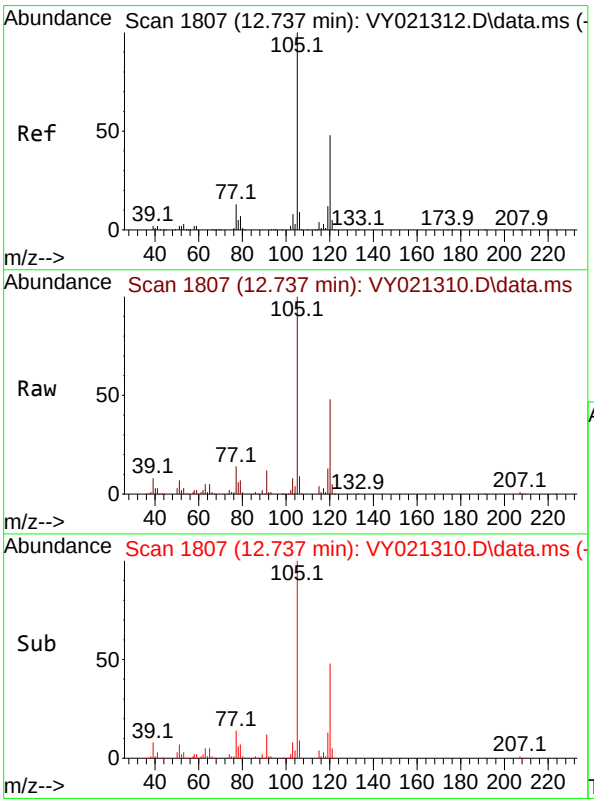
#79
2-Chlorotoluene
Concen: 9.771 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 64018

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6

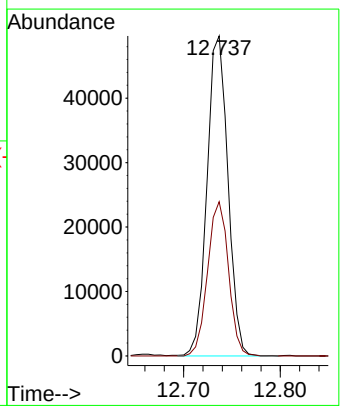


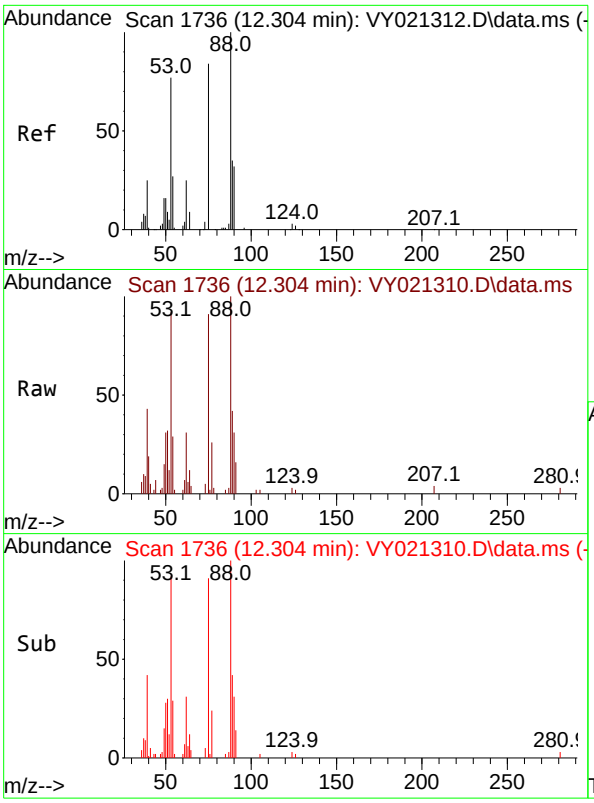


#80
1,3,5-Trimethylbenzene
Concen: 9.655 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74498

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	73.0



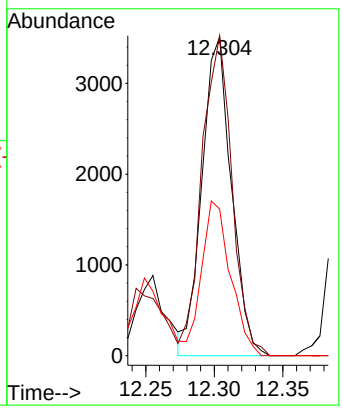


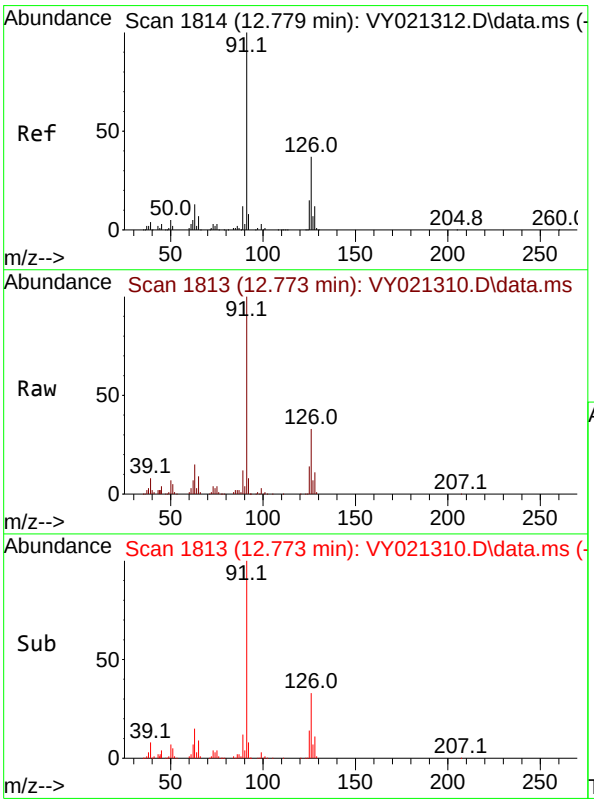
#81
trans-1,4-Dichloro-2-butene
Concen: 9.295 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 5238

Ion	Ratio	Lower	Upper
75	100		
53	102.5	79.1	118.7
89	47.3	35.6	53.4

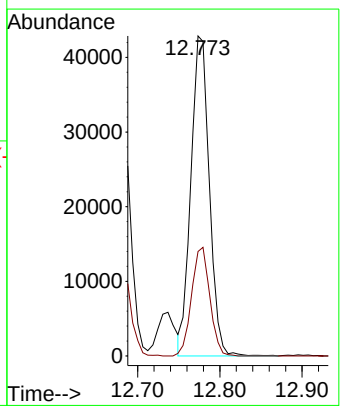


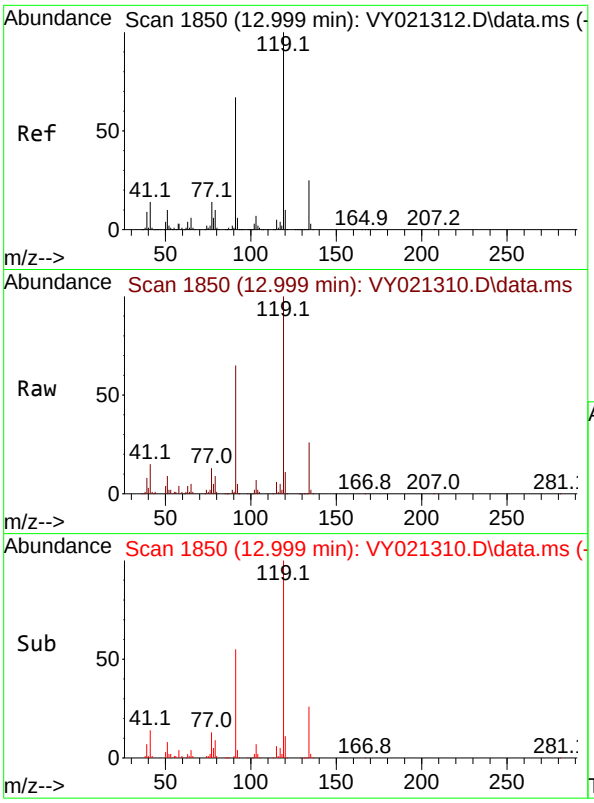


#82
4-Chlorotoluene
Concen: 9.821 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 91 Resp: 66701

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



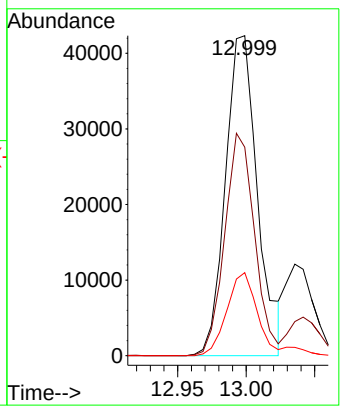


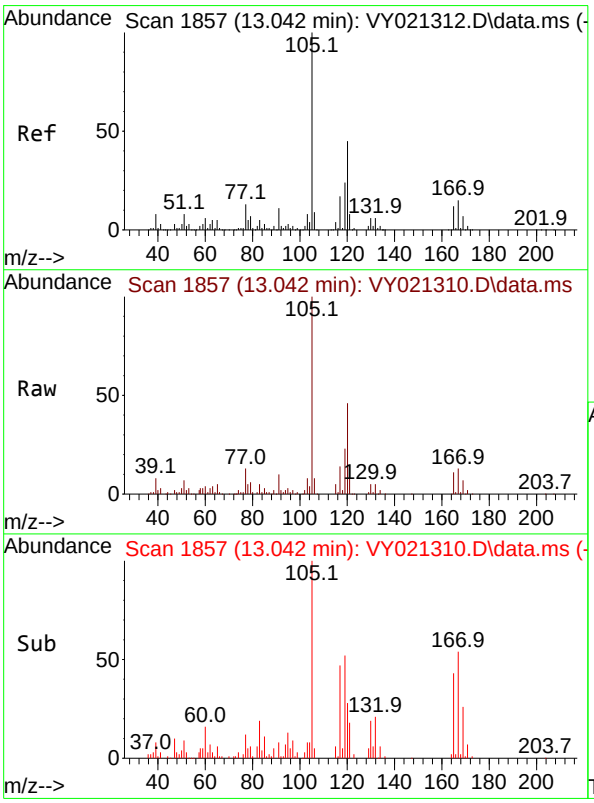
#83
tert-Butylbenzene
Concen: 9.886 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 68905

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.7	98.1
134	26.3	13.3	39.9

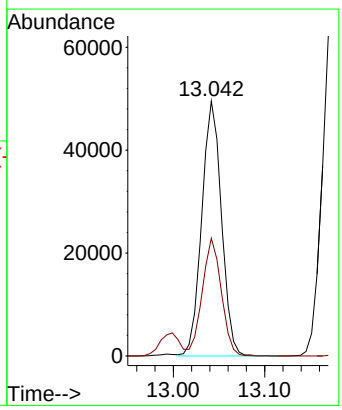


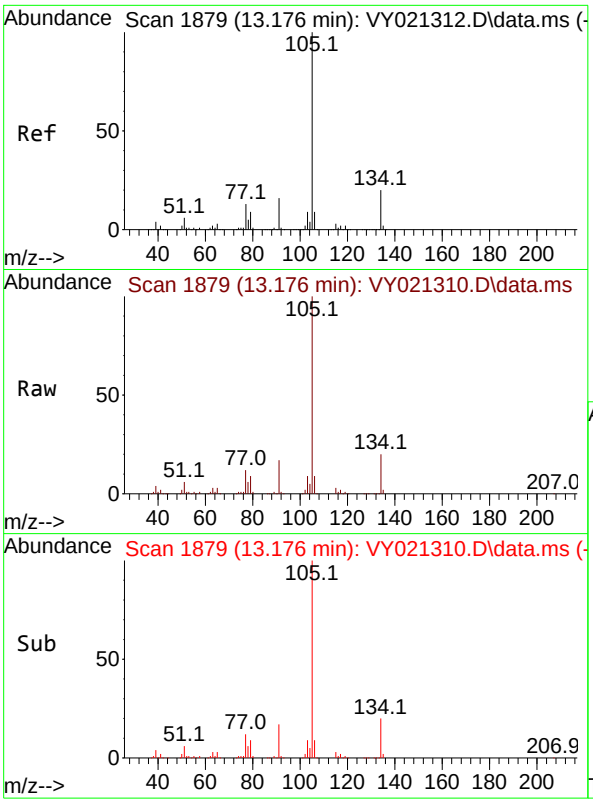


#84
1,2,4-Trimethylbenzene
Concen: 9.647 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:105 Resp: 74032

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3



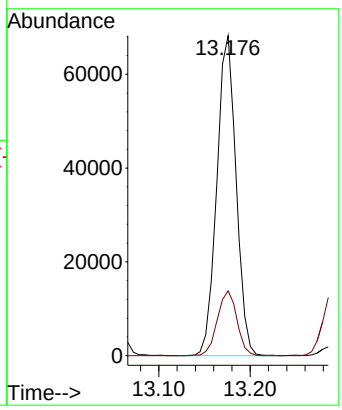


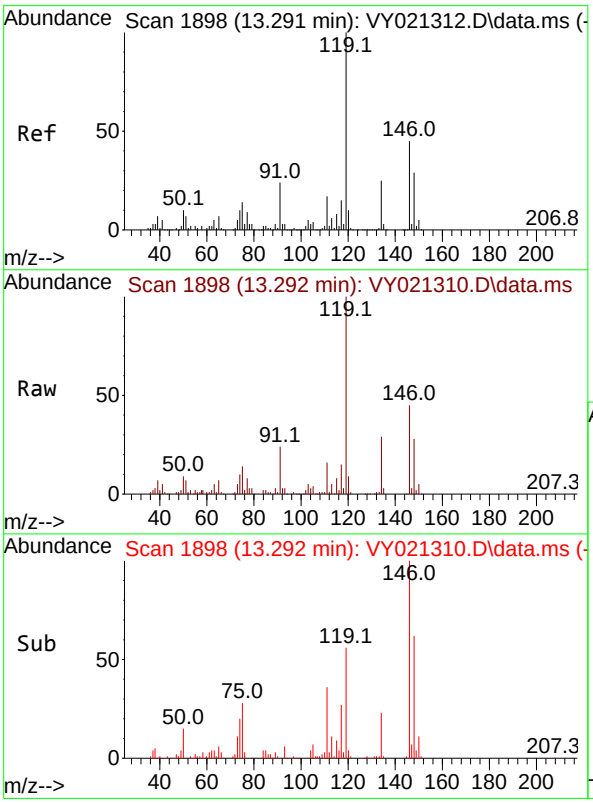
#85
sec-Butylbenzene
Concen: 9.841 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 100189

Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.0	30.0

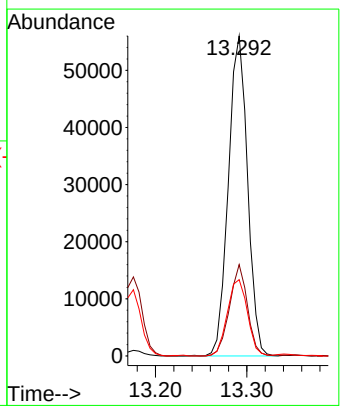


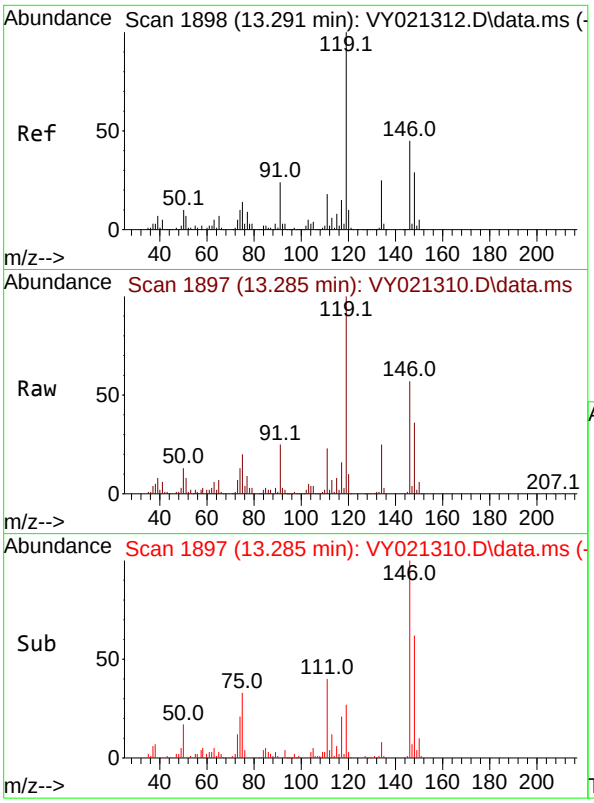


#86
p-Isopropyltoluene
Concen: 9.619 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:119 Resp: 81769

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.0	38.9
91	25.1	12.0	36.1



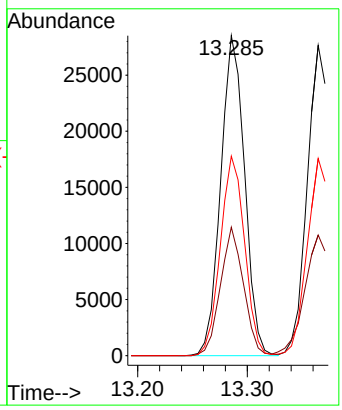


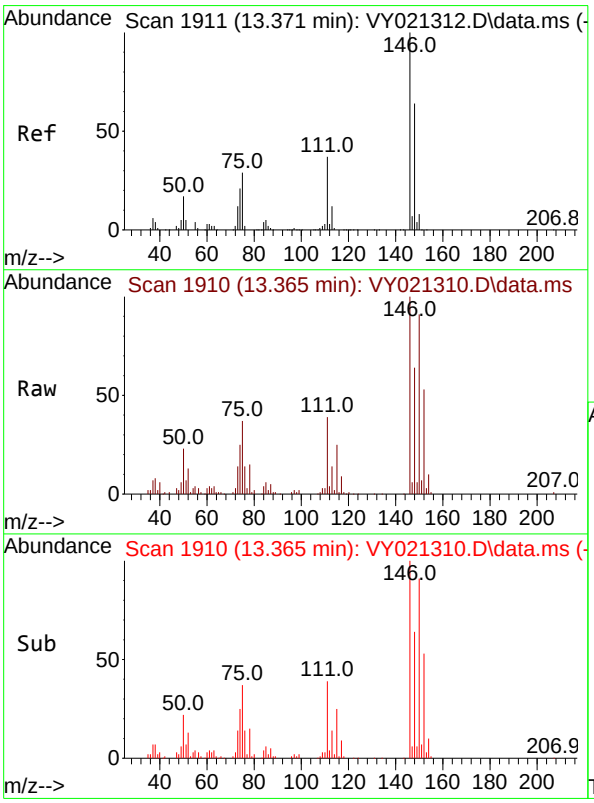
#87
1,3-Dichlorobenzene
Concen: 9.996 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 43267

Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.0	59.9
148	63.2	31.9	95.9

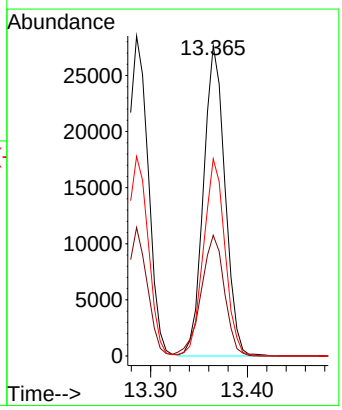


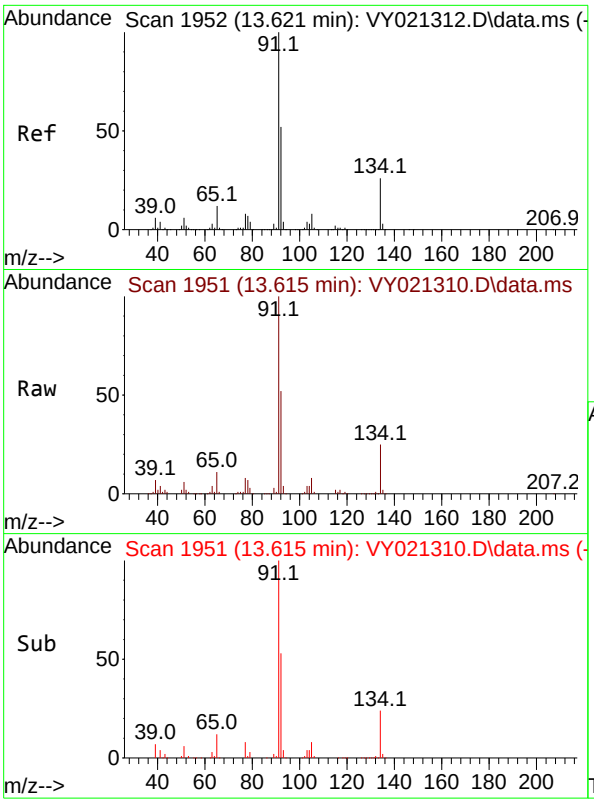


#88
1,4-Dichlorobenzene
Concen: 10.006 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:146 Resp: 42788

Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.5	58.5
148	63.5	32.0	96.2



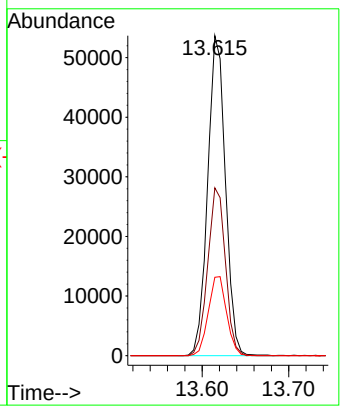


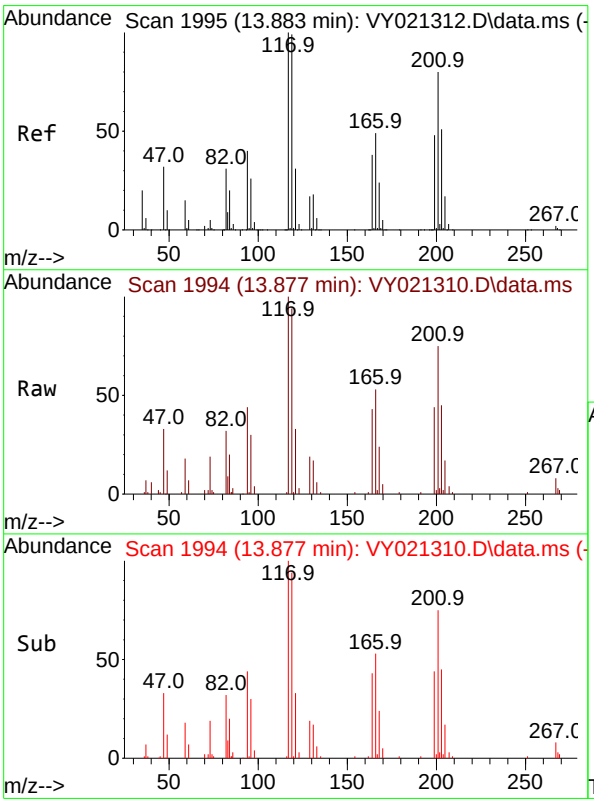
#89
n-Butylbenzene
Concen: 9.541 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 76325

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	25.5	12.7	38.0

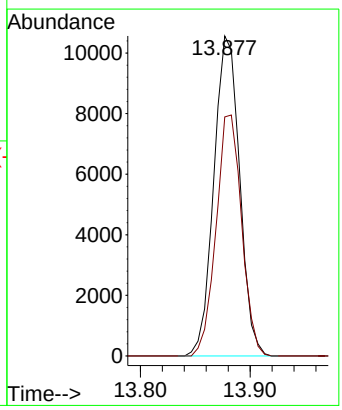


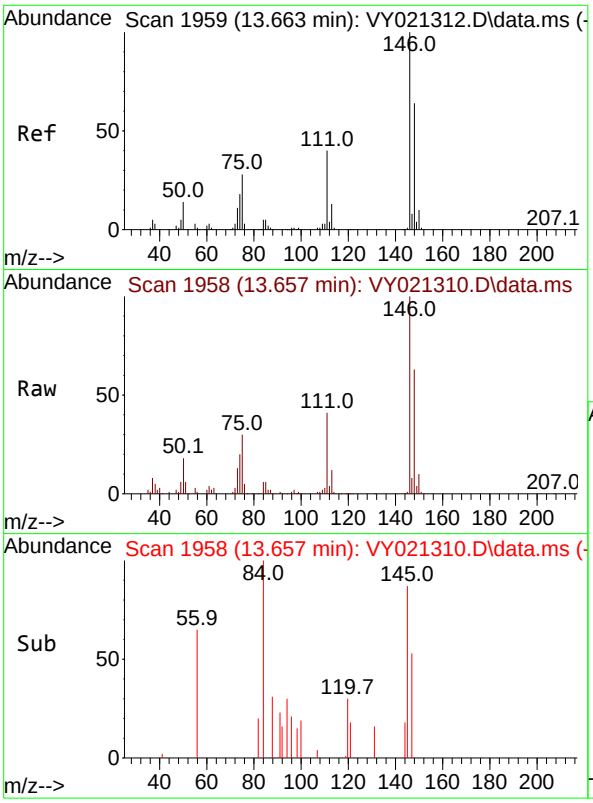


#90
Hexachloroethane
Concen: 9.721 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:117 Resp: 17261

Ion	Ratio	Lower	Upper
117	100		
201	74.6	38.4	115.2



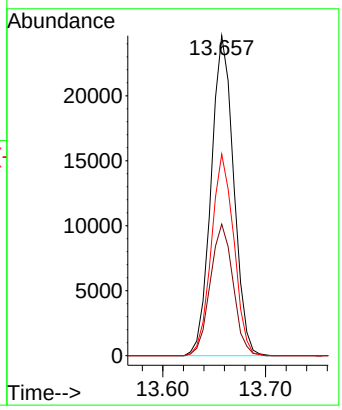


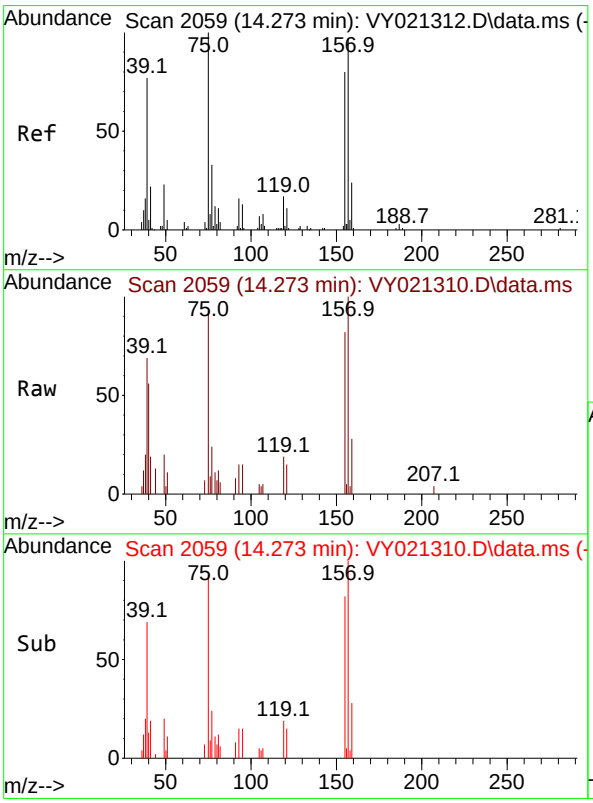
#91
1,2-Dichlorobenzene
Concen: 9.894 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 37522

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	62.8	31.7	95.1

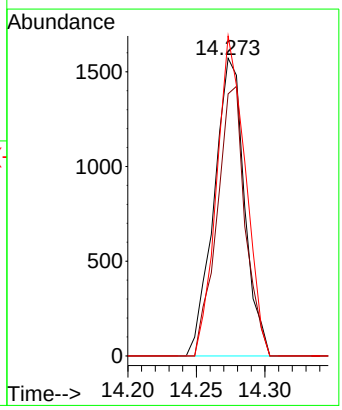


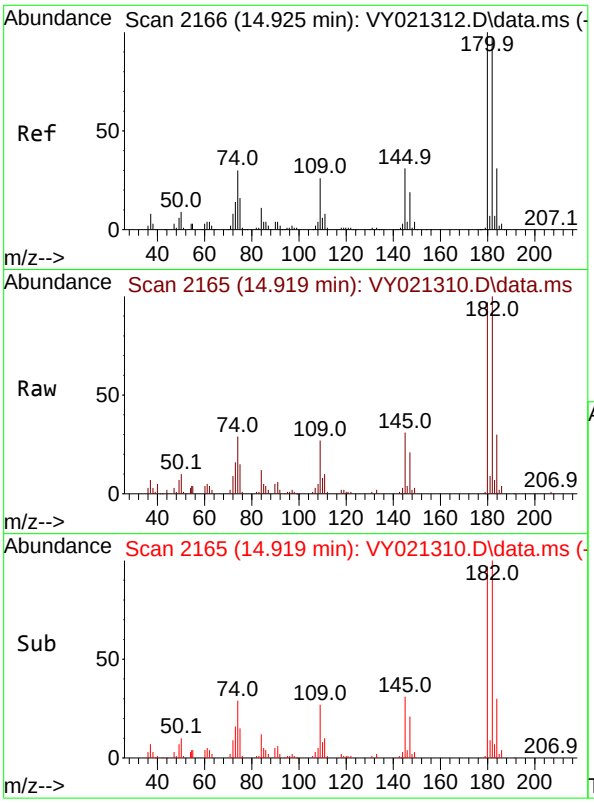


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.229 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion: 75 Resp: 2424

Ion	Ratio	Lower	Upper
75	100		
155	84.3	41.9	125.6
157	101.6	52.5	157.6



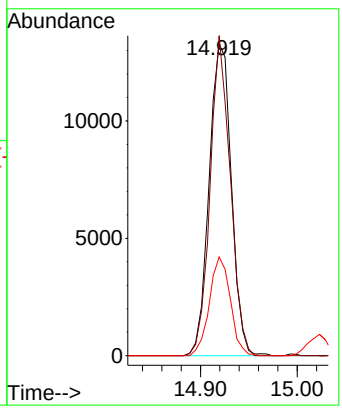


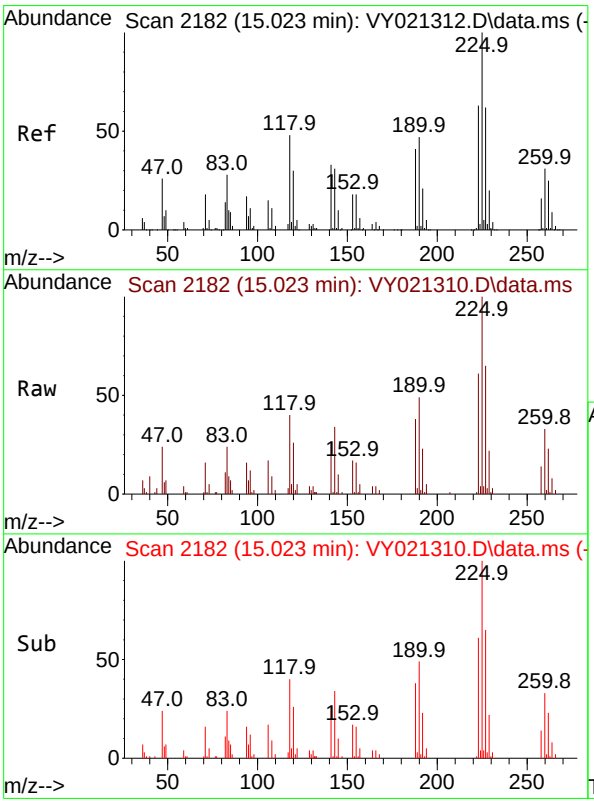
#93
1,2,4-Trichlorobenzene
Concen: 9.174 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 21234

Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.9	143.7
145	29.9	15.6	46.8

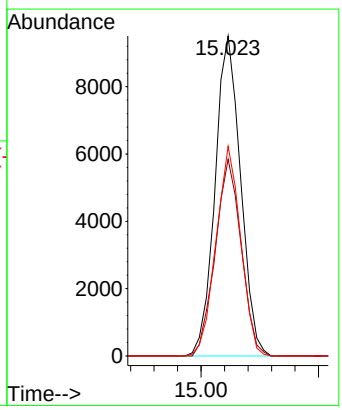


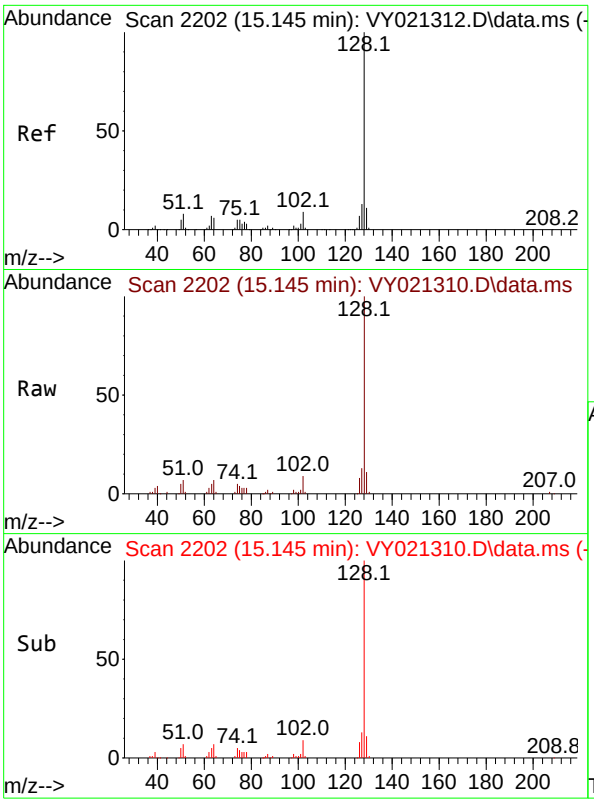


#94
Hexachlorobutadiene
Concen: 9.845 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:225 Resp: 14346

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.8	95.4
227	63.4	31.9	95.7



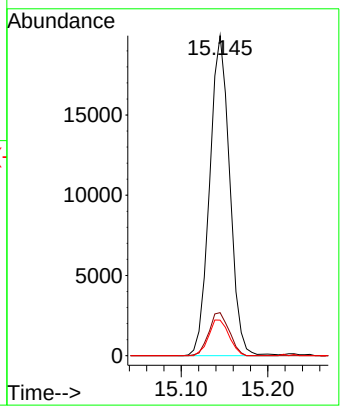


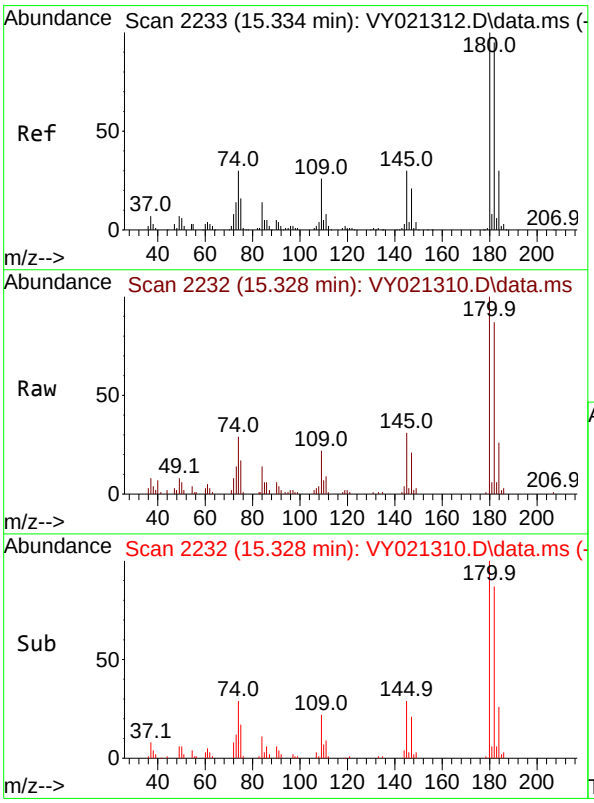
#95
Naphthalene
Concen: 8.371 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 32094

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.4	8.5	12.7

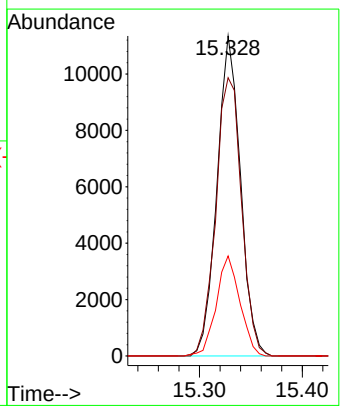




#96
1,2,3-Trichlorobenzene
Concen: 9.195 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021310.D
Acq: 25 Feb 2025 13:03

Tgt Ion:180 Resp: 17983

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.9
145	31.4	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	188363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	293434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	258896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	130546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41320	19.337	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.680%#		
35) Dibromofluoromethane	7.634	113	37265	19.371	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.740%#		
50) Toluene-d8	10.103	98	144409	19.423	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.840%#		
62) 4-Bromofluorobenzene	12.408	95	47417	18.950	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.900%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	32511	18.204	ug/l	96
3) Chloromethane	2.068	50	42633	18.484	ug/l	97
4) Vinyl Chloride	2.202	62	41719	18.429	ug/l	100
5) Bromomethane	2.586	94	27198	18.079	ug/l	98
6) Chloroethane	2.726	64	26161	18.635	ug/l	99
7) Trichlorofluoromethane	3.056	101	63170	18.477	ug/l	95
8) Diethyl Ether	3.452	74	19564	19.066	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	37017	18.701	ug/l	99
10) Methyl Iodide	4.001	142	36945	17.741	ug/l	99
11) Tert butyl alcohol	4.860	59	15935	96.952	ug/l	96
12) 1,1-Dichloroethene	3.787	96	34827	18.376	ug/l	98
13) Acrolein	3.647	56	22079	175.300	ug/l	100
14) Allyl chloride	4.379	41	61887	18.417	ug/l	98
15) Acrylonitrile	5.061	53	43763	96.460	ug/l	99
16) Acetone	3.866	43	35506	86.623	ug/l	96
17) Carbon Disulfide	4.104	76	116030	18.437	ug/l	99
18) Methyl Acetate	4.379	43	19534	19.500	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	95488	19.069	ug/l	97
20) Methylene Chloride	4.616	84	40630	18.331	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	38218	18.317	ug/l	98
22) Diisopropyl ether	6.019	45	132039	18.989	ug/l	97
23) Vinyl Acetate	5.958	43	393629	94.730	ug/l	99
24) 1,1-Dichloroethane	5.909	63	72428	18.480	ug/l	99
25) 2-Butanone	6.890	43	58941	95.278	ug/l	98
26) 2,2-Dichloropropane	6.884	77	63686	17.908	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	44297	18.592	ug/l	98
28) Bromochloromethane	7.244	49	32987	19.022	ug/l	99
29) Tetrahydrofuran	7.256	42	39775	98.365	ug/l	98
30) Chloroform	7.421	83	73639	18.543	ug/l	96
31) Cyclohexane	7.701	56	68531	18.191	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	67011	18.538	ug/l	98
36) 1,1-Dichloropropene	7.835	75	53995	18.685	ug/l	100
37) Ethyl Acetate	6.982	43	27188	18.914	ug/l	98
38) Carbon Tetrachloride	7.817	117	59733	18.387	ug/l	98
39) Methylcyclohexane	9.103	83	68516	18.746	ug/l	98
40) Benzene	8.079	78	159536	18.676	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	14108	17.554	ug/l		92
42) 1,2-Dichloroethane	8.152	62	46152	19.043	ug/l		99
43) Isopropyl Acetate	8.195	43	54484	19.583	ug/l		98
44) Trichloroethene	8.866	130	40005	18.706	ug/l		93
45) 1,2-Dichloropropane	9.140	63	38611	18.782	ug/l		100
46) Dibromomethane	9.231	93	21421	19.063	ug/l		99
47) Bromodichloromethane	9.420	83	56033	18.701	ug/l		98
48) Methyl methacrylate	9.219	41	24461	18.801	ug/l		97
49) 1,4-Dioxane	9.225	88	5308	424.825	ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	140187	98.430	ug/l		100
52) Toluene	10.170	92	100050	18.854	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	50957	18.563	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	61967	19.122	ug/l		99
55) 1,1,2-Trichloroethane	10.567	97	27942	19.088	ug/l		99
56) Ethyl methacrylate	10.438	69	36997	18.291	ug/l		95
57) 1,3-Dichloropropane	10.713	76	49499	19.270	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	93377	96.179	ug/l		100
59) 2-Hexanone	10.762	43	90882	97.163	ug/l		100
60) Dibromochloromethane	10.908	129	37808	18.964	ug/l		99
61) 1,2-Dibromoethane	11.012	107	26519	19.135	ug/l		99
64) Tetrachloroethene	10.646	164	36387	18.595	ug/l		97
65) Chlorobenzene	11.438	112	107621	18.519	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	37487	18.422	ug/l		99
67) Ethyl Benzene	11.518	91	189052	18.366	ug/l		99
68) m/p-Xylenes	11.627	106	144073	37.210	ug/l		99
69) o-Xylene	11.950	106	67060	18.488	ug/l		100
70) Styrene	11.969	104	113033	18.729	ug/l		99
71) Bromoform	12.133	173	21886	18.800	ug/l	#	99
73) Isopropylbenzene	12.255	105	179489	18.288	ug/l		99
74) N-amyl acetate	12.072	43	47224	18.930	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	32419	18.717	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	43143	32.817	ug/l	#	100
77) Bromobenzene	12.530	156	42078	18.433	ug/l		99
78) n-propylbenzene	12.597	91	220158	18.486	ug/l		100
79) 2-Chlorotoluene	12.676	91	125969	18.430	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	150004	18.635	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	10866	18.483	ug/l		99
82) 4-Chlorotoluene	12.780	91	130335	18.396	ug/l		100
83) tert-Butylbenzene	12.999	119	135829	18.681	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	149358	18.657	ug/l		99
85) sec-Butylbenzene	13.176	105	196335	18.486	ug/l		100
86) p-Isopropyltoluene	13.292	119	165127	18.620	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	83463	18.483	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	83179	18.646	ug/l		99
89) n-Butylbenzene	13.615	91	153032	18.337	ug/l		100
90) Hexachloroethane	13.877	117	33341	17.998	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	73513	18.581	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5181	18.908	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	42908	17.770	ug/l		99
94) Hexachlorobutadiene	15.023	225	27015	17.771	ug/l		99
95) Naphthalene	15.145	128	71044	17.763	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	36460	17.871	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

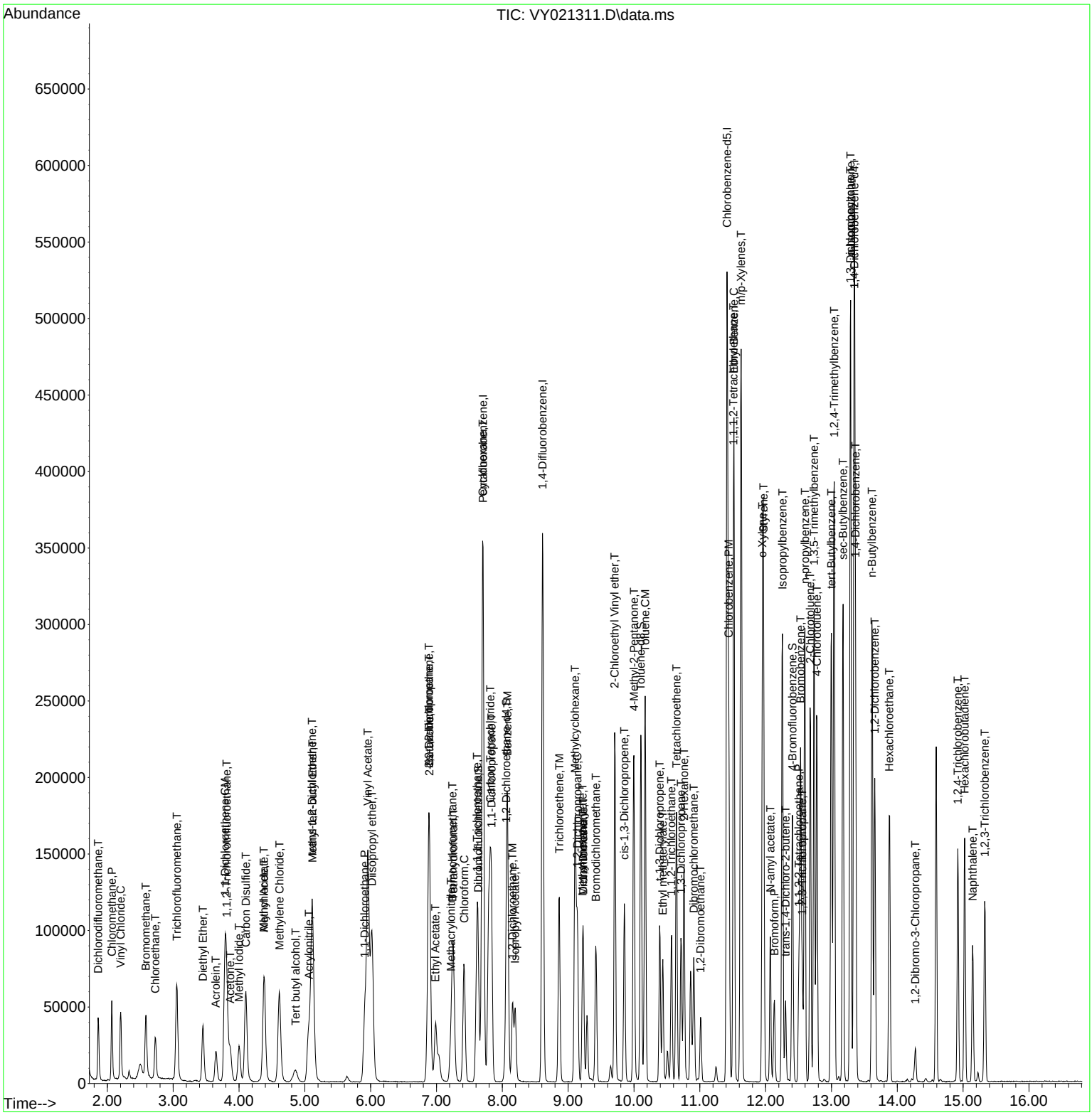
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

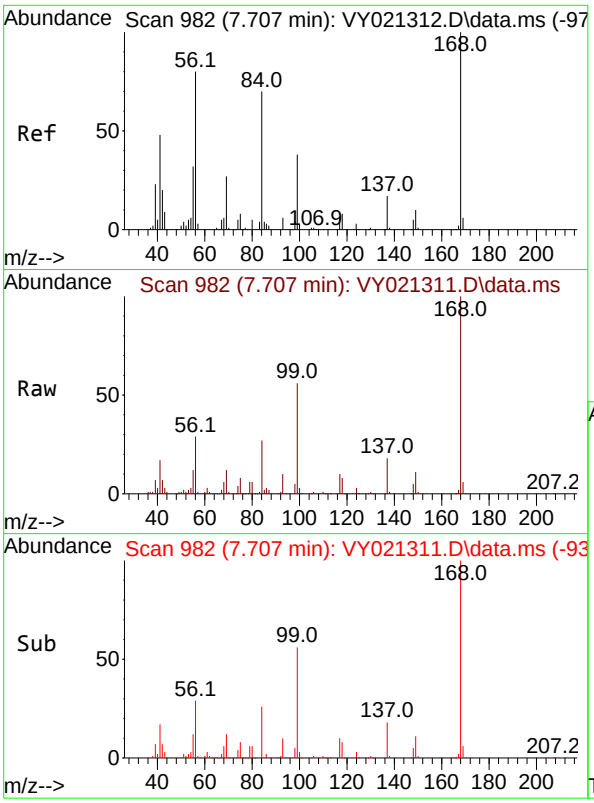
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021311.D
Acq On : 25 Feb 2025 13:26
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Feb 26 01:44:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



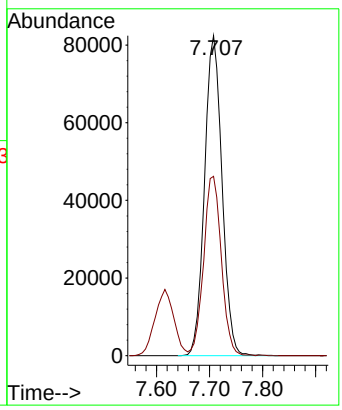


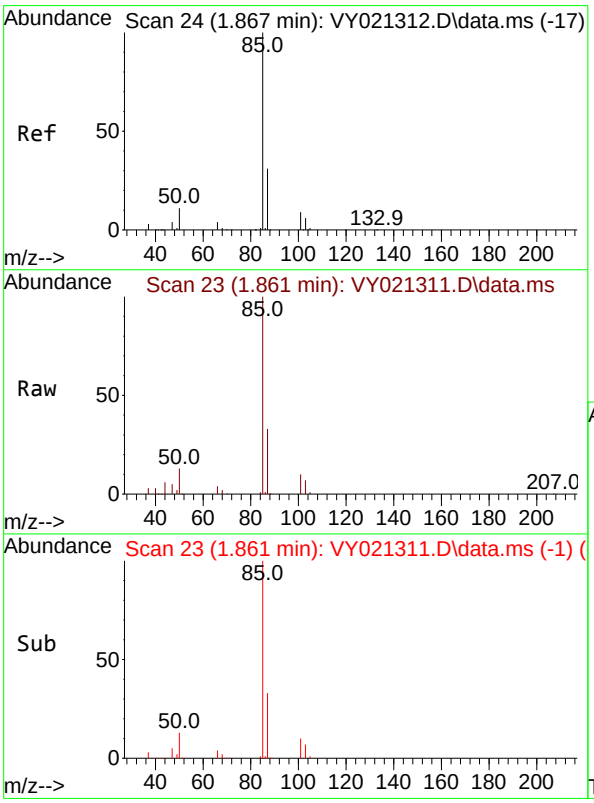
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 188363

Ion	Ratio	Lower	Upper
168	100		
99	56.0	47.1	70.7

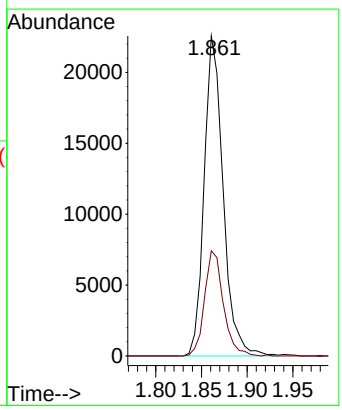


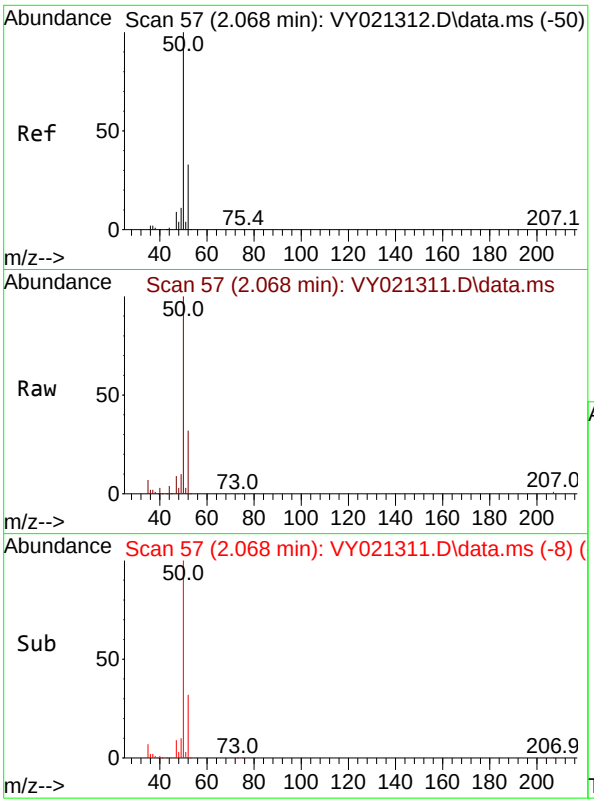


#2
Dichlorodifluoromethane
Concen: 18.204 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 85 Resp: 32511

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.4	46.4



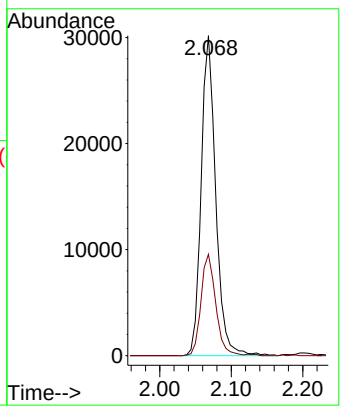


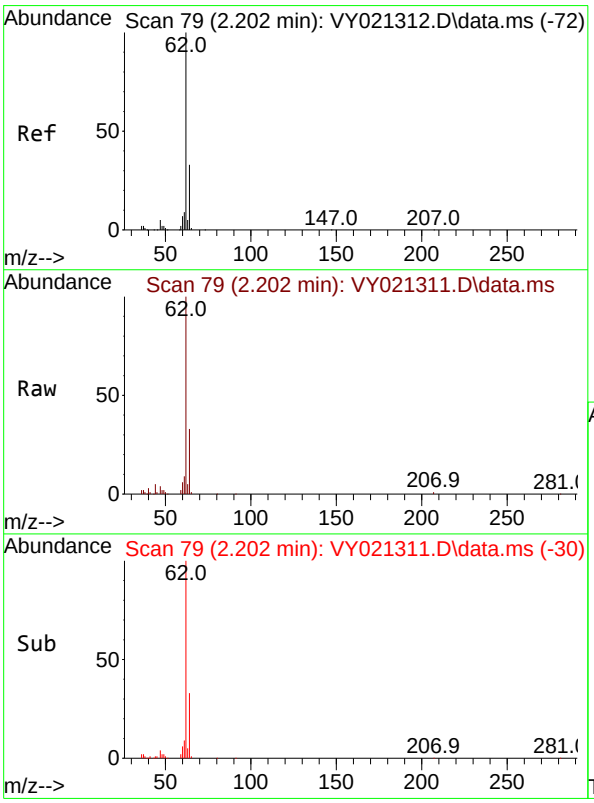
#3
Chloromethane
Concen: 18.484 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 42633

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.6	40.0

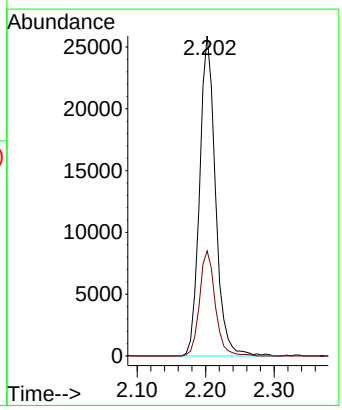


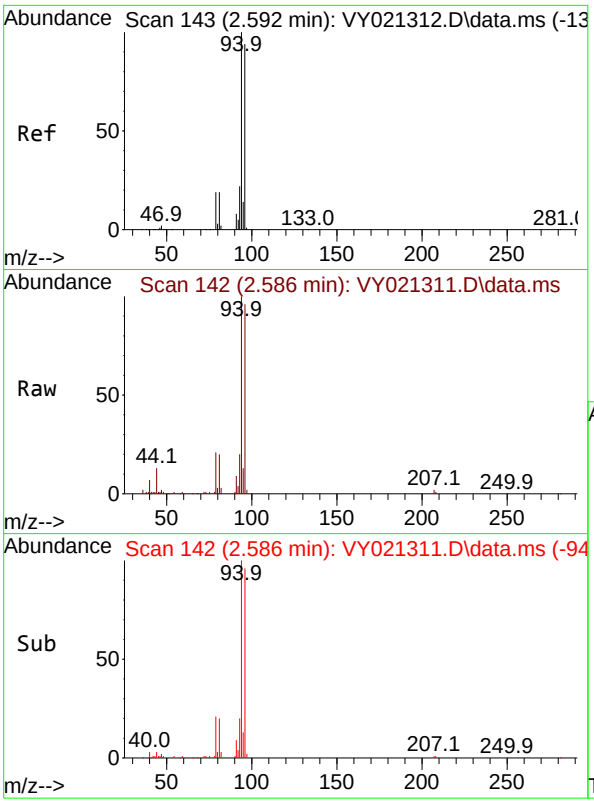


#4
Vinyl Chloride
Concen: 18.429 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 41719

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.3	39.5



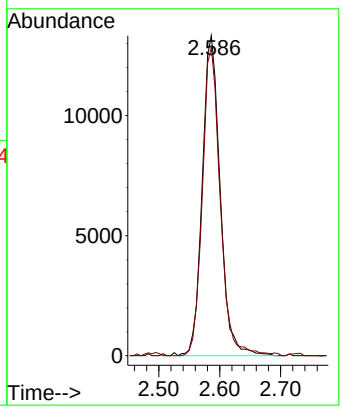


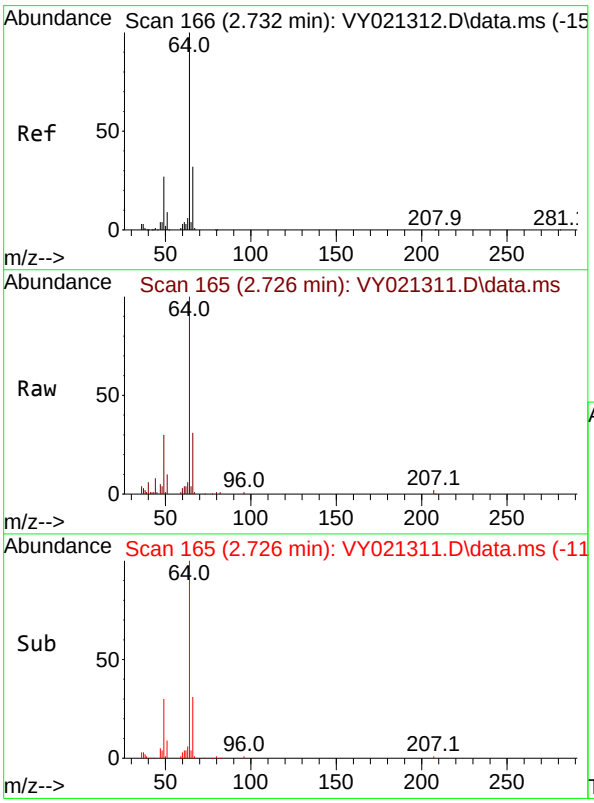
#5
Bromomethane
Concen: 18.079 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 27198

Ion	Ratio	Lower	Upper
94	100		
96	96.3	75.2	112.8

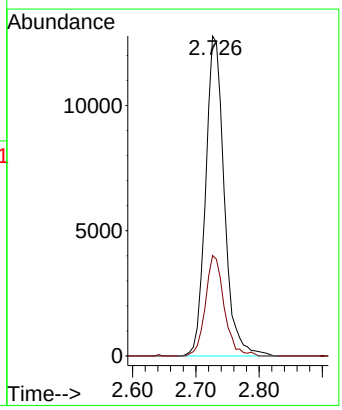


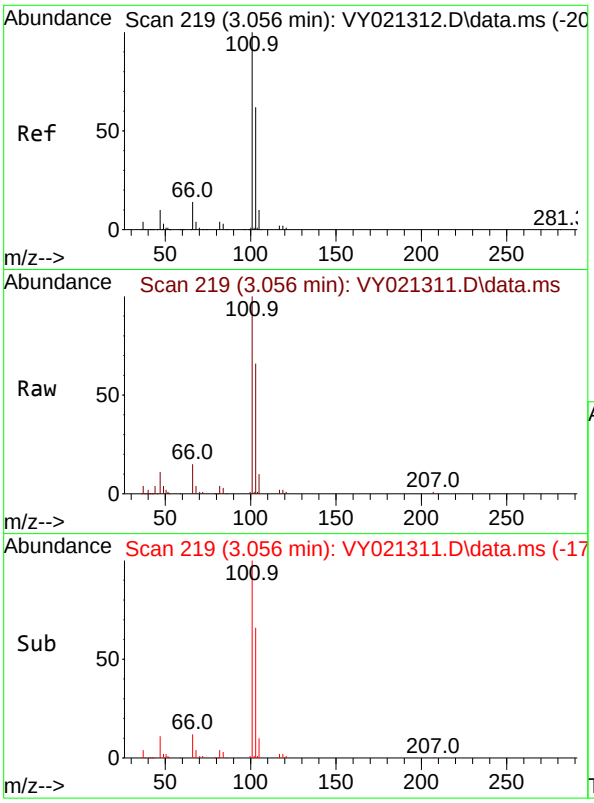


#6
Chloroethane
Concen: 18.635 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 64 Resp: 26161

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.4	38.0



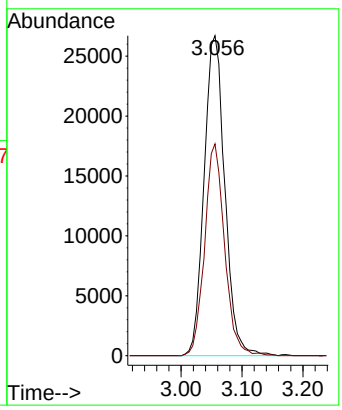


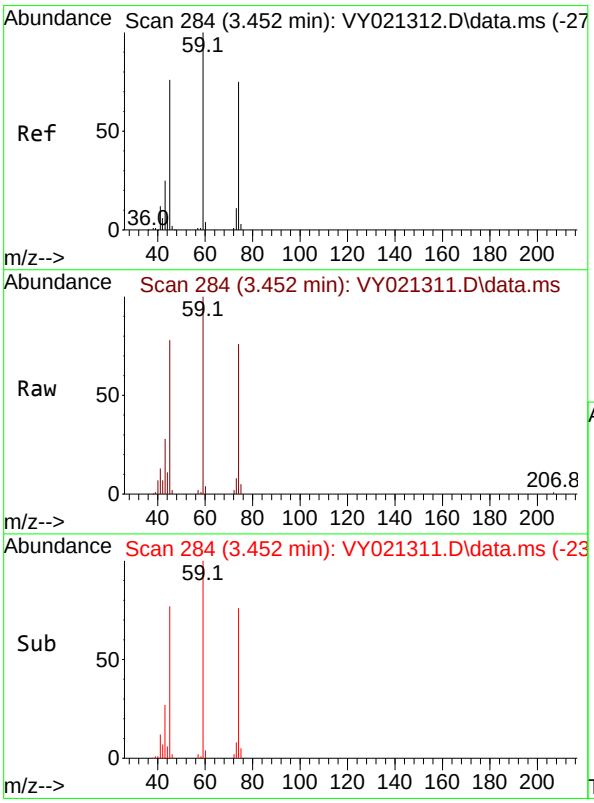
#7
Trichlorofluoromethane
Concen: 18.477 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 63170

Ion	Ratio	Lower	Upper
101	100		
103	66.2	49.7	74.5

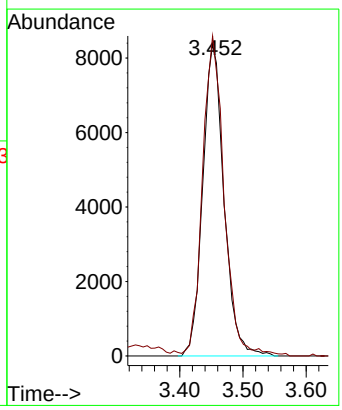


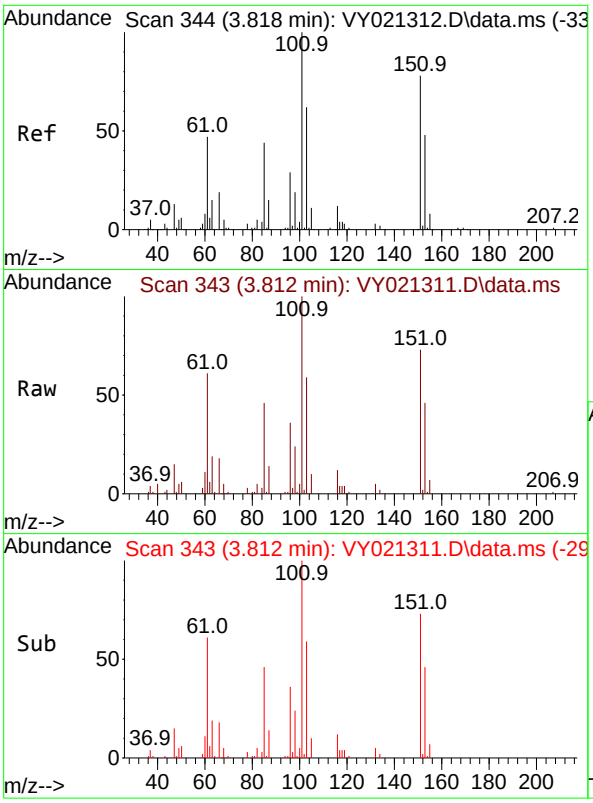


#8
Diethyl Ether
Concen: 19.066 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 74 Resp: 19564

Ion	Ratio	Lower	Upper
74	100		
45	104.3	50.3	150.9



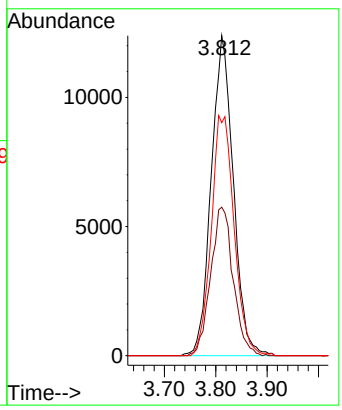


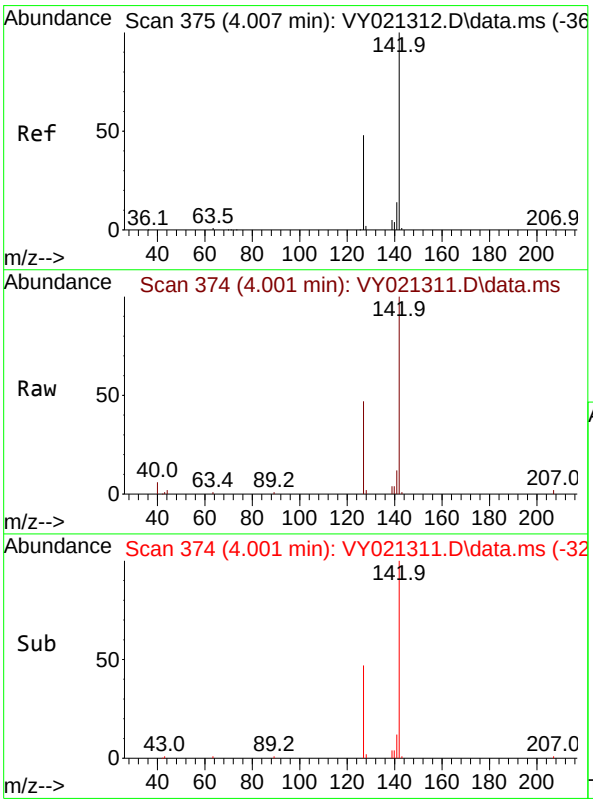
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.701 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 37017

Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.7	55.1
151	77.8	62.6	94.0

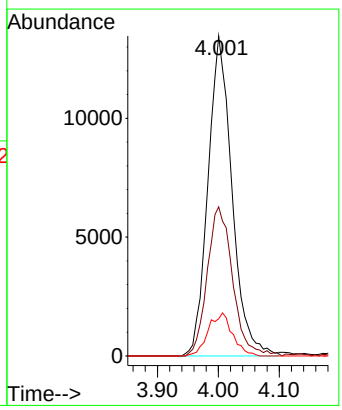


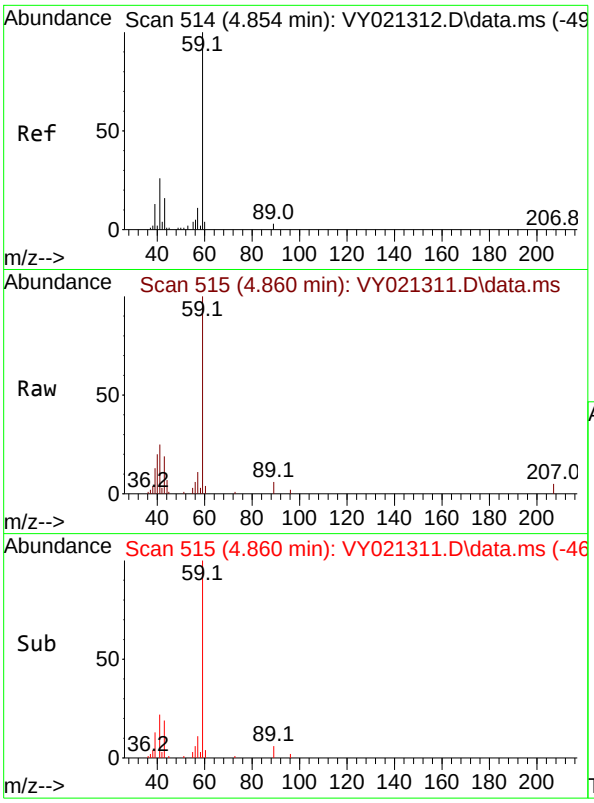


#10
Methyl Iodide
Concen: 17.741 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:142 Resp: 36945

Ion	Ratio	Lower	Upper
142	100		
127	49.1	39.2	58.8
141	13.5	11.4	17.2



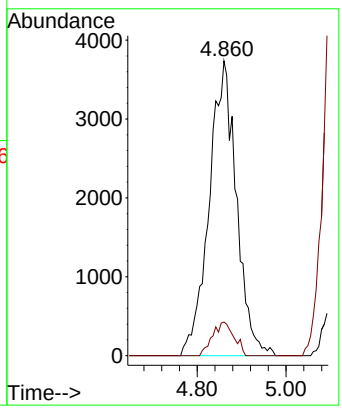


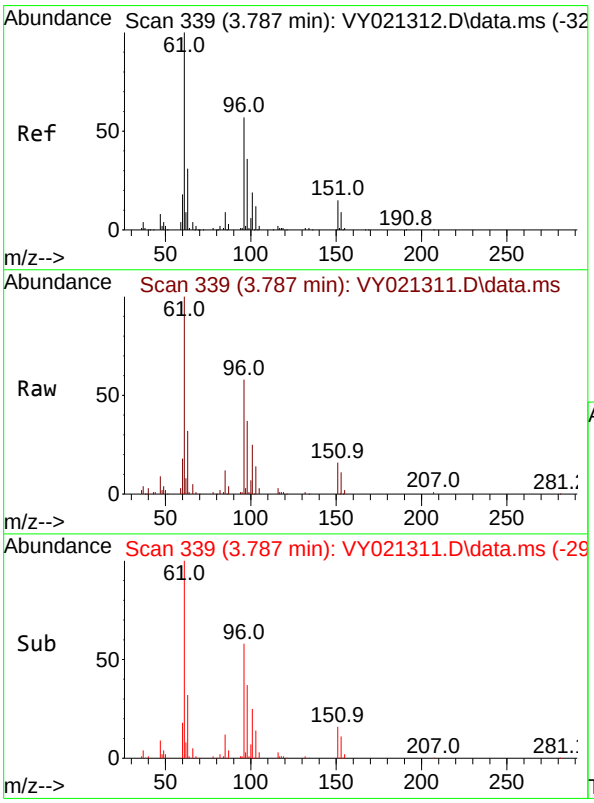
#11
Tert butyl alcohol
Concen: 96.952 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 15935

Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.3	12.5

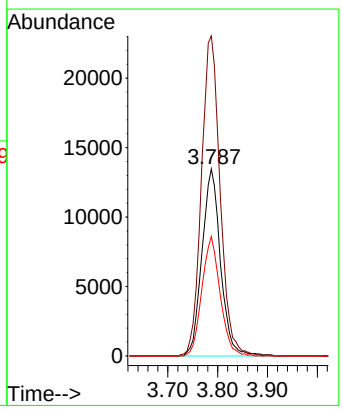


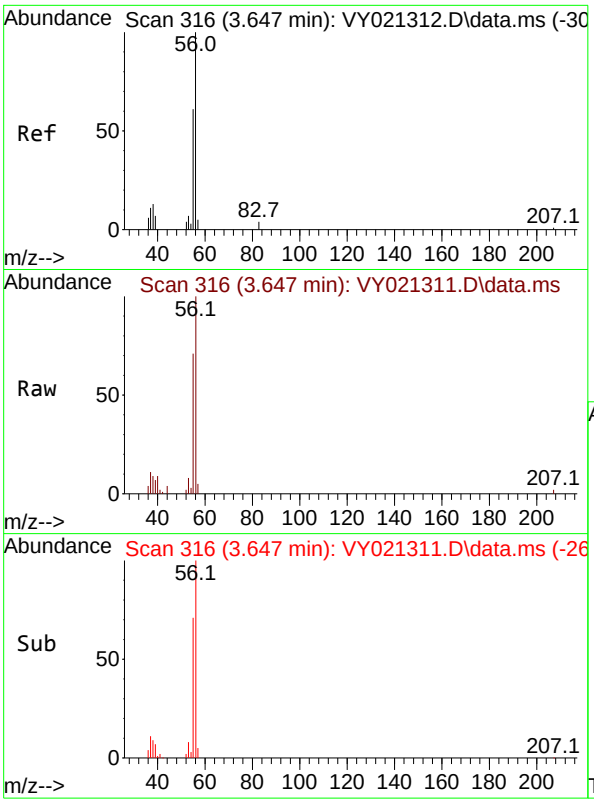


#12
1,1-Dichloroethene
Concen: 18.376 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 96 Resp: 34827

Ion	Ratio	Lower	Upper
96	100		
61	171.1	139.7	209.5
98	63.8	49.7	74.5



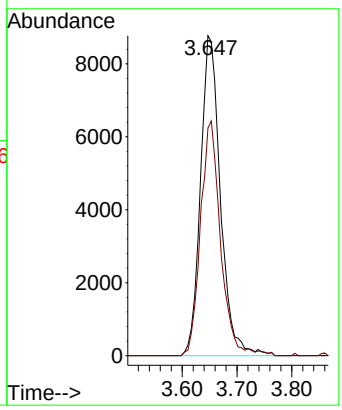


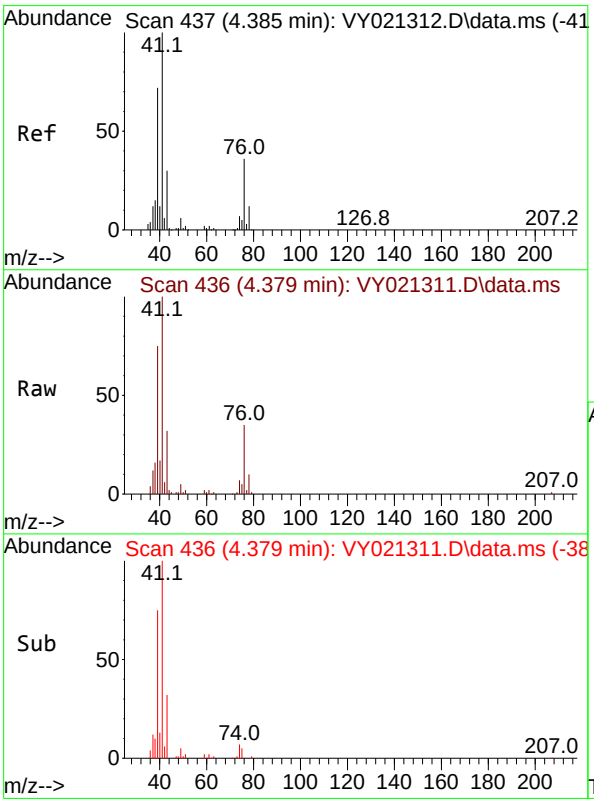
#13
Acrolein
Concen: 175.300 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 22079

Ion	Ratio	Lower	Upper
56	100		
55	74.0	59.0	88.6

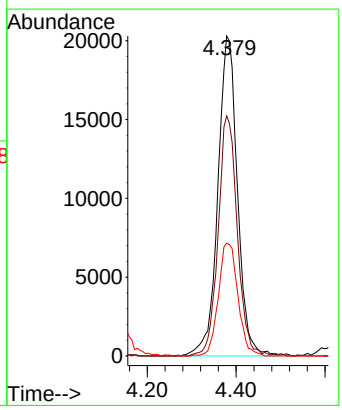


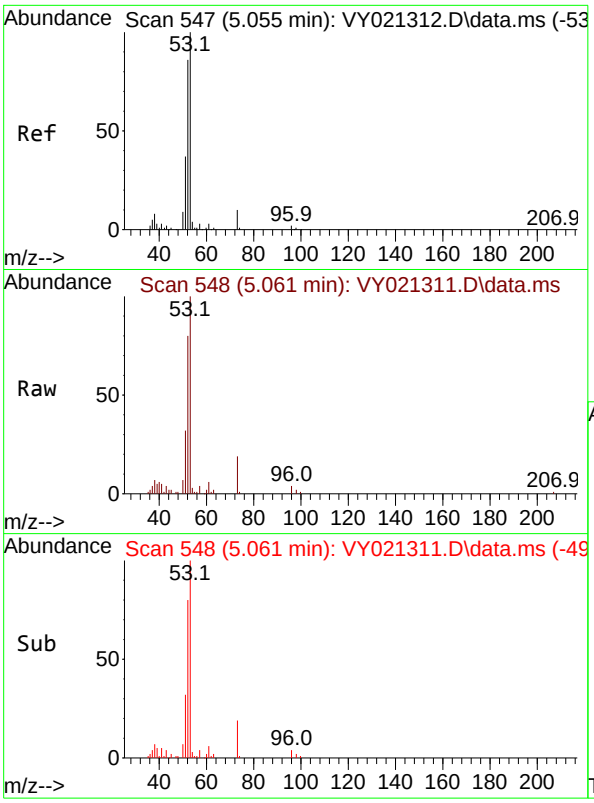


#14
Allyl chloride
Concen: 18.417 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 61887

Ion	Ratio	Lower	Upper
41	100		
39	73.3	60.0	90.0
76	35.2	29.0	43.6



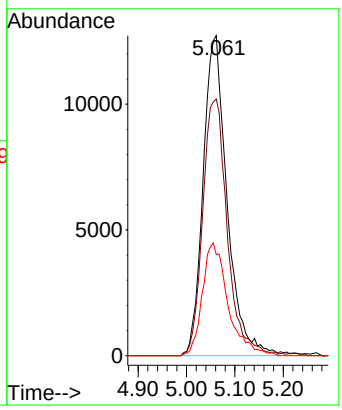


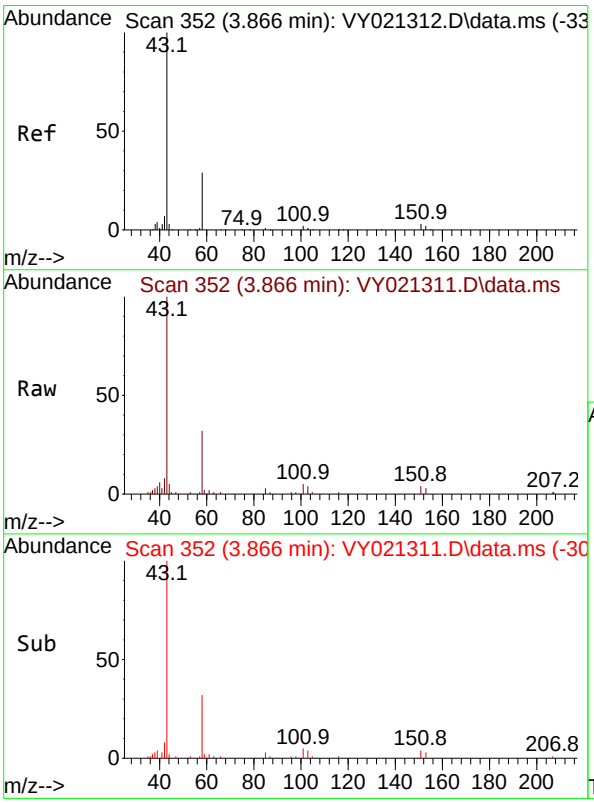
#15
Acrylonitrile
Concen: 96.460 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 43763

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.8	30.6	46.0

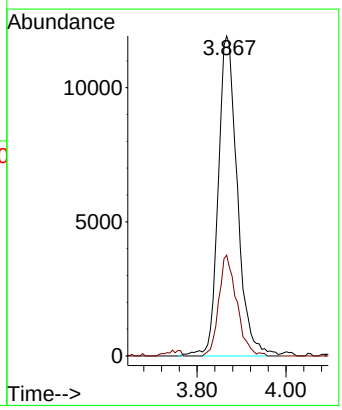


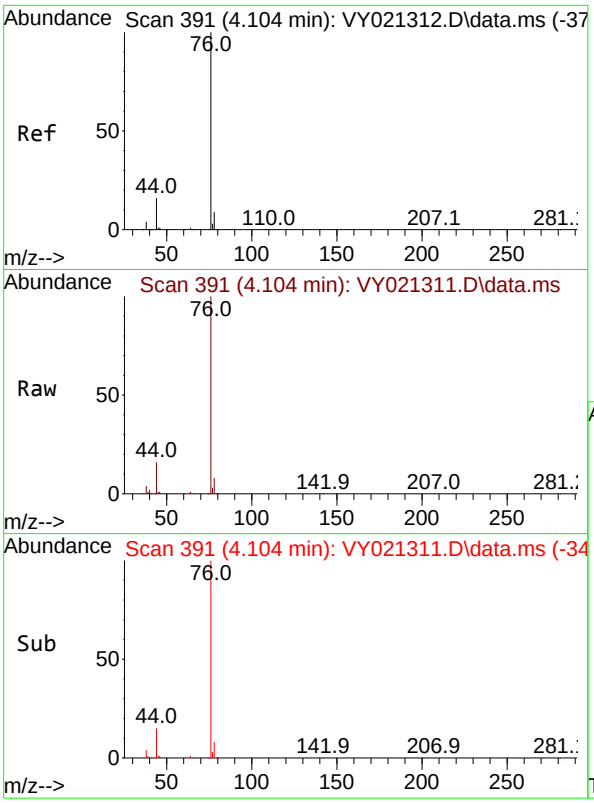


#16
Acetone
Concen: 86.623 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 35506

Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.5	35.3



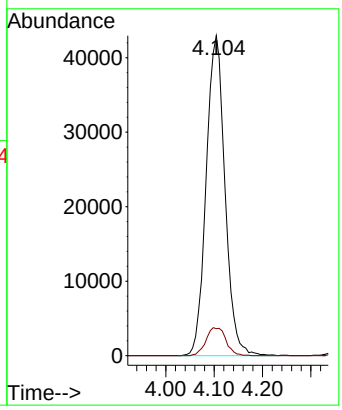


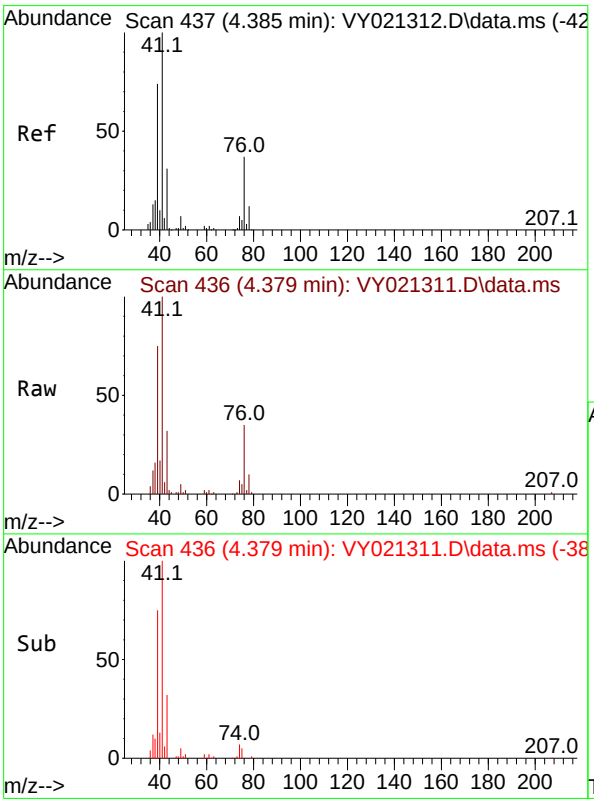
#17
Carbon Disulfide
Concen: 18.437 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 116030

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

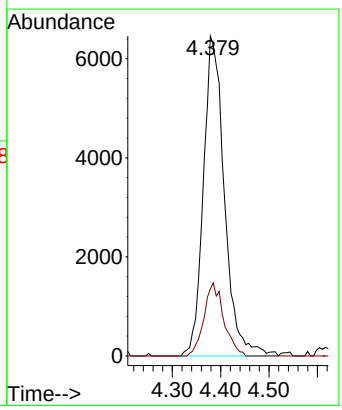


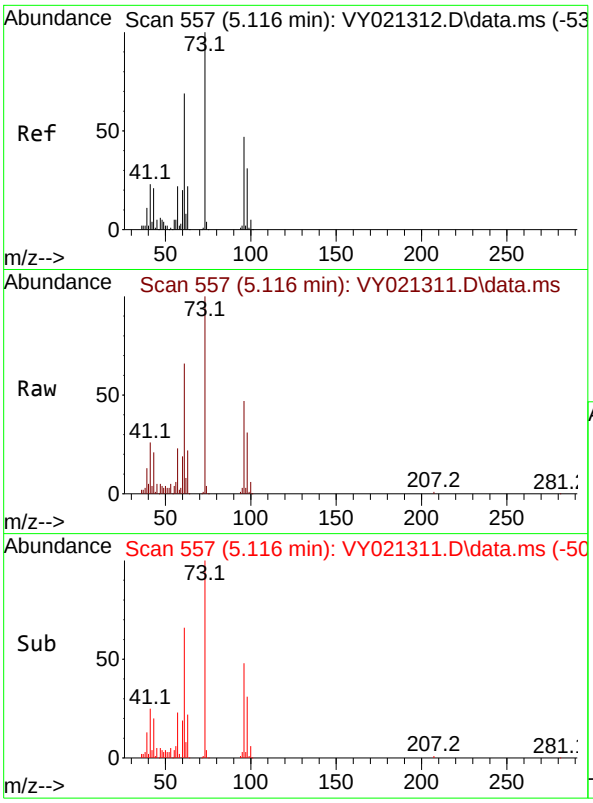


#18
Methyl Acetate
Concen: 19.500 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 19534

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.7	26.5



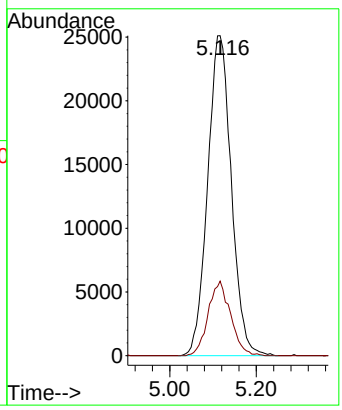


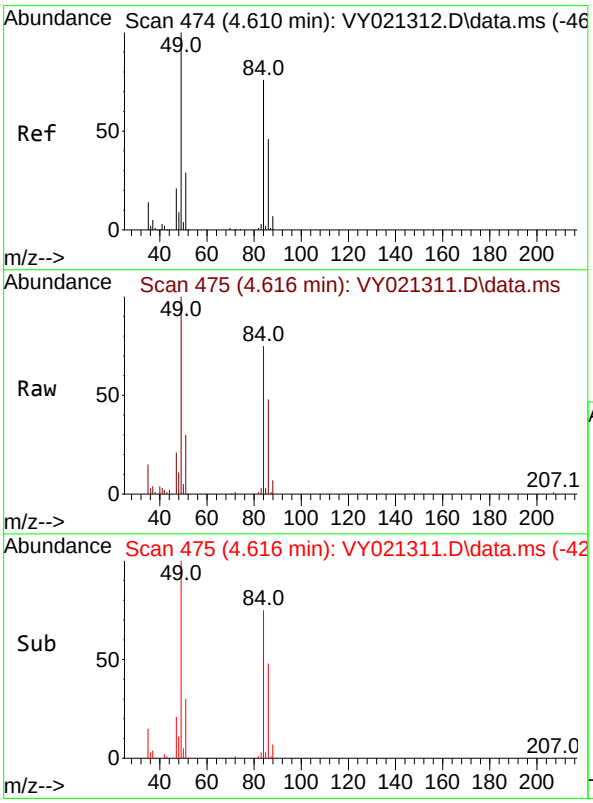
#19
Methyl tert-butyl Ether
Concen: 19.069 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 95488

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.4	26.0

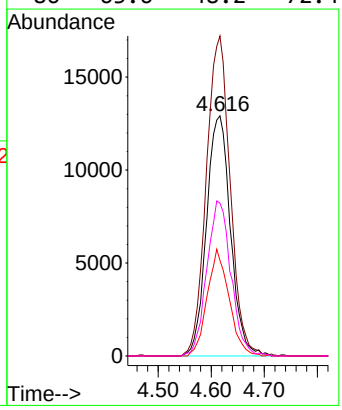


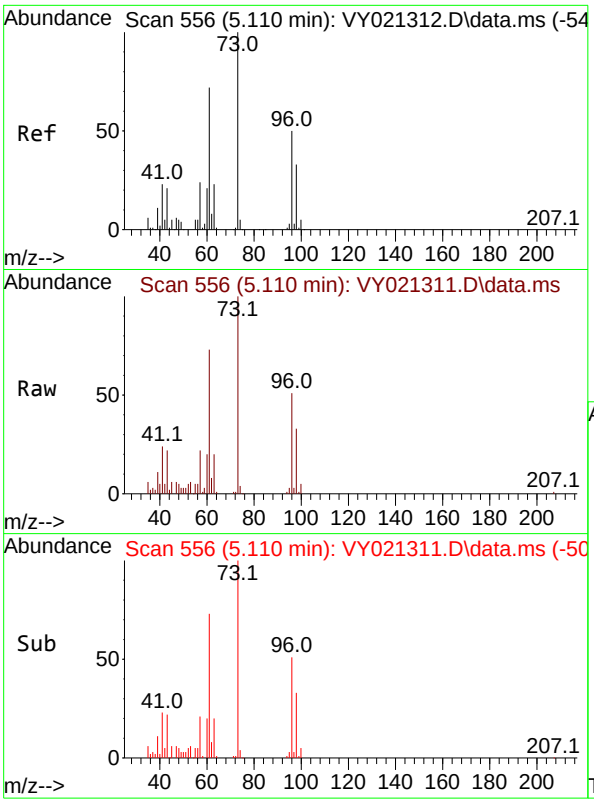


#20
Methylene Chloride
Concen: 18.331 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 84 Resp: 40630

Ion	Ratio	Lower	Upper
84	100		
49	133.3	105.1	157.7
51	39.8	31.0	46.4
86	63.6	48.2	72.4



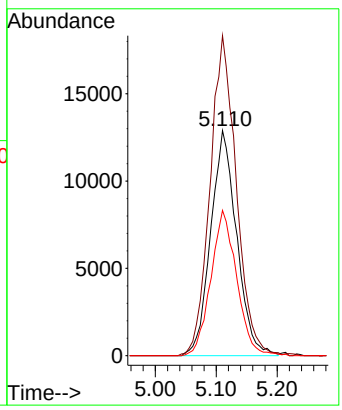


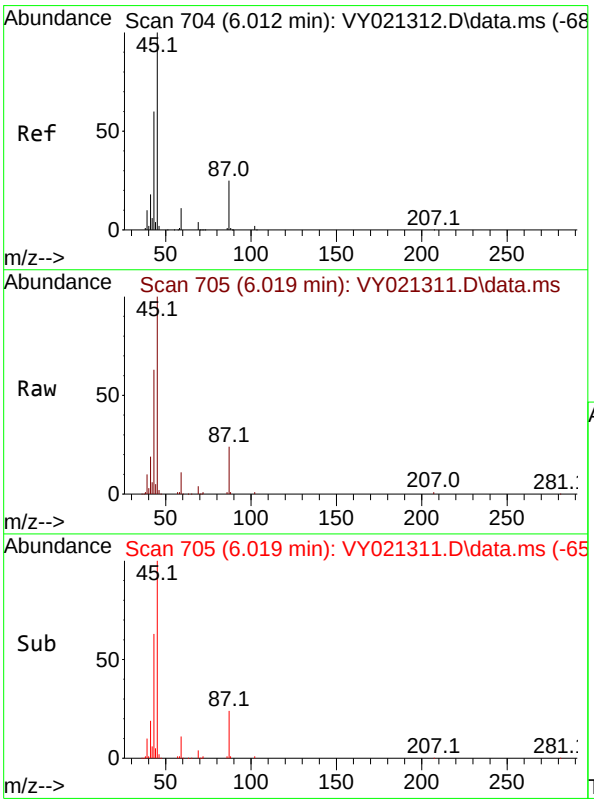
#21
trans-1,2-Dichloroethene
Concen: 18.317 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 38218

Ion	Ratio	Lower	Upper
96	100		
61	142.1	116.3	174.5
98	64.5	52.6	78.8

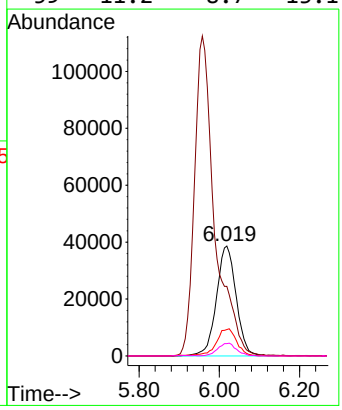


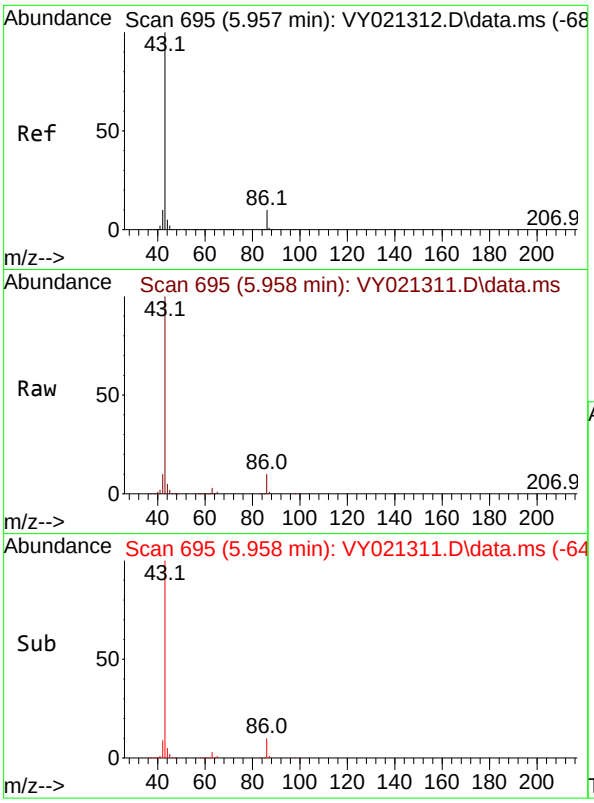


#22
Diisopropyl ether
Concen: 18.989 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 45 Resp: 132039

Ion	Ratio	Lower	Upper
45	100		
43	62.7	48.2	72.4
87	24.1	20.3	30.5
59	11.2	8.7	13.1



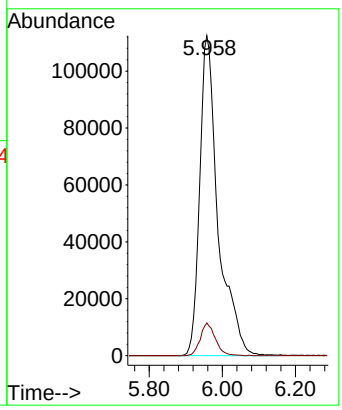


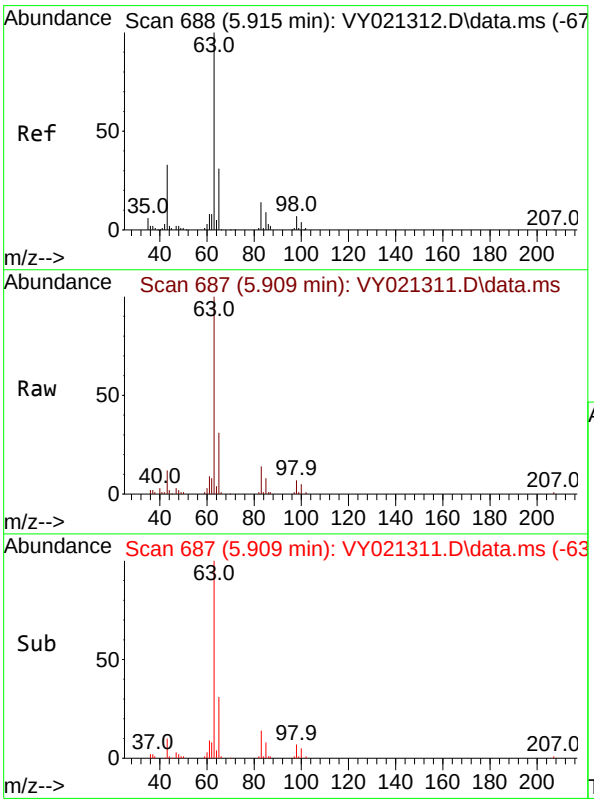
#23
Vinyl Acetate
Concen: 94.730 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 393629

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.0	12.0

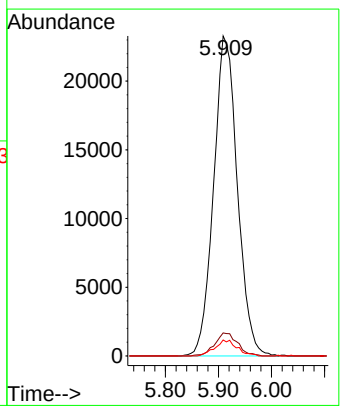


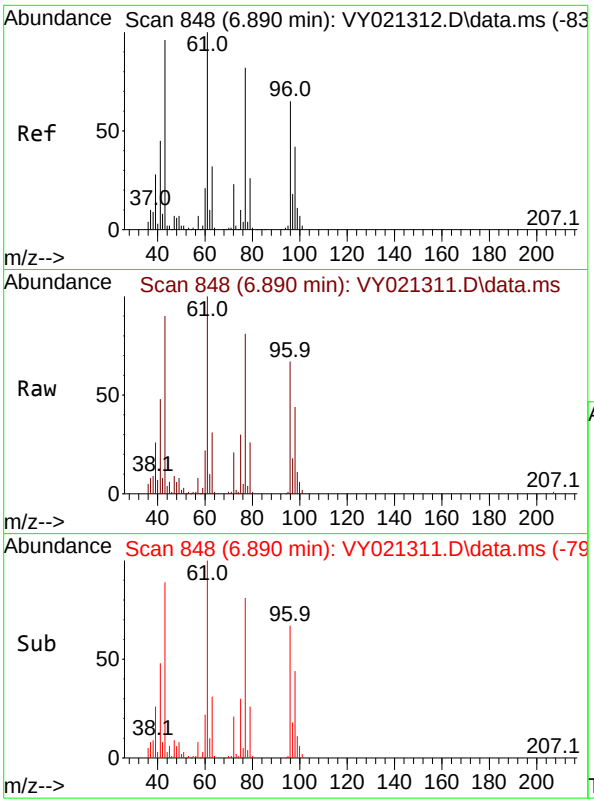


#24
1,1-Dichloroethane
Concen: 18.480 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 72428

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.7	11.1
100	5.0	2.1	6.5



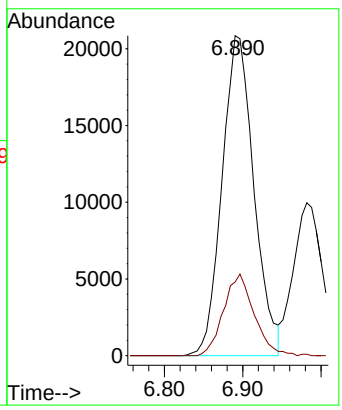


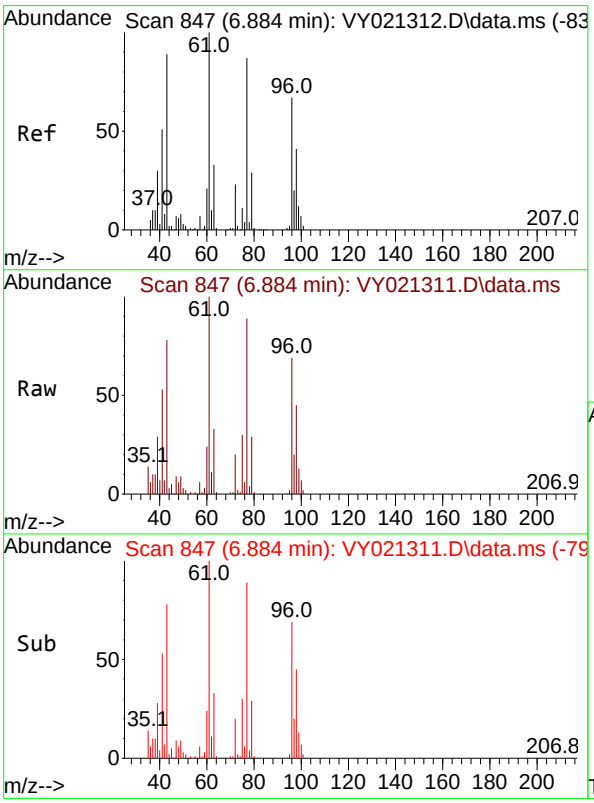
#25
2-Butanone
Concen: 95.278 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 58941

Ion	Ratio	Lower	Upper
43	100		
72	23.0	19.0	28.6

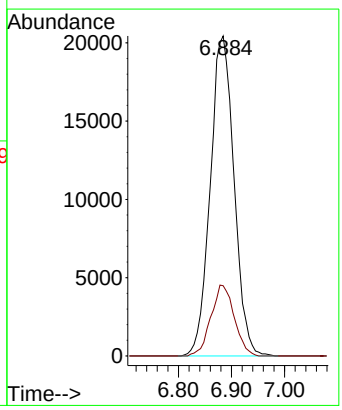


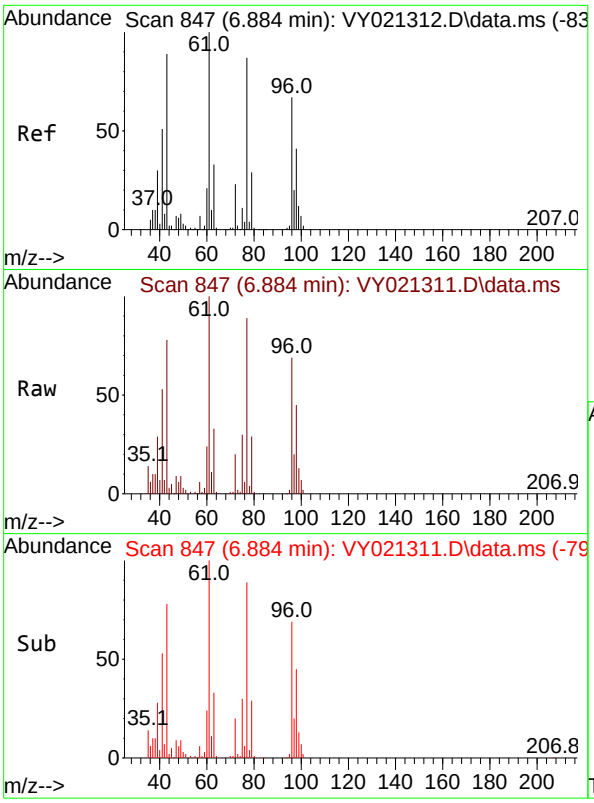


#26
2,2-Dichloropropane
Concen: 17.908 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 77 Resp: 63686

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7



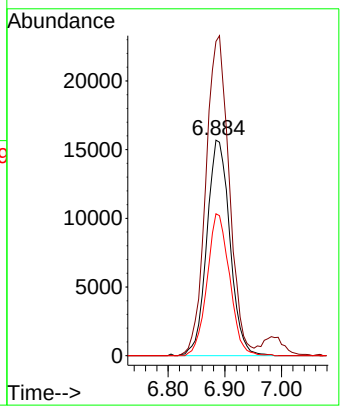


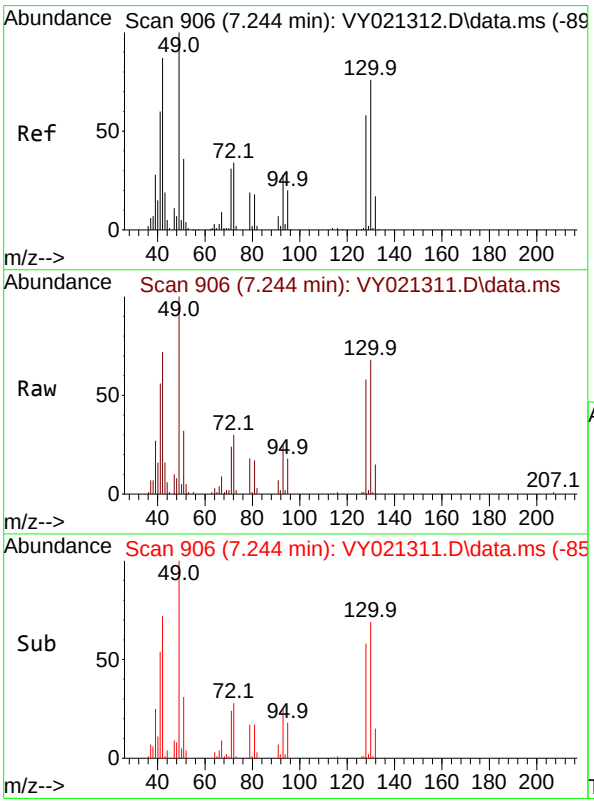
#27
cis-1,2-Dichloroethene
Concen: 18.592 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 44297

Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	308.0
98	64.3	0.0	129.6

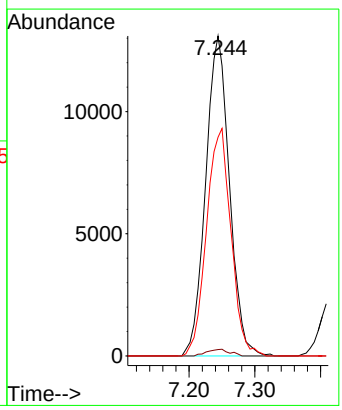


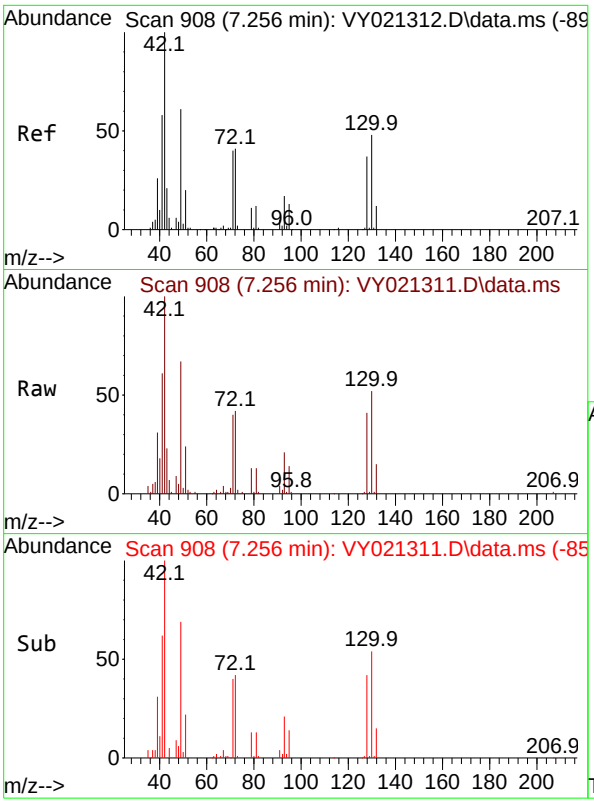


#28
Bromochloromethane
Concen: 19.022 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 49 Resp: 32987

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	73.2	57.8	86.6



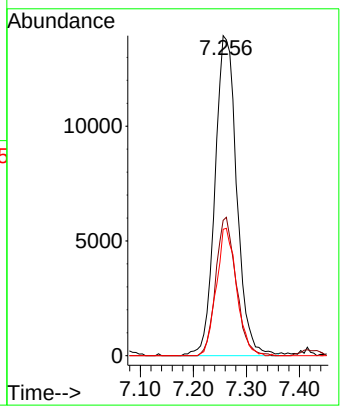


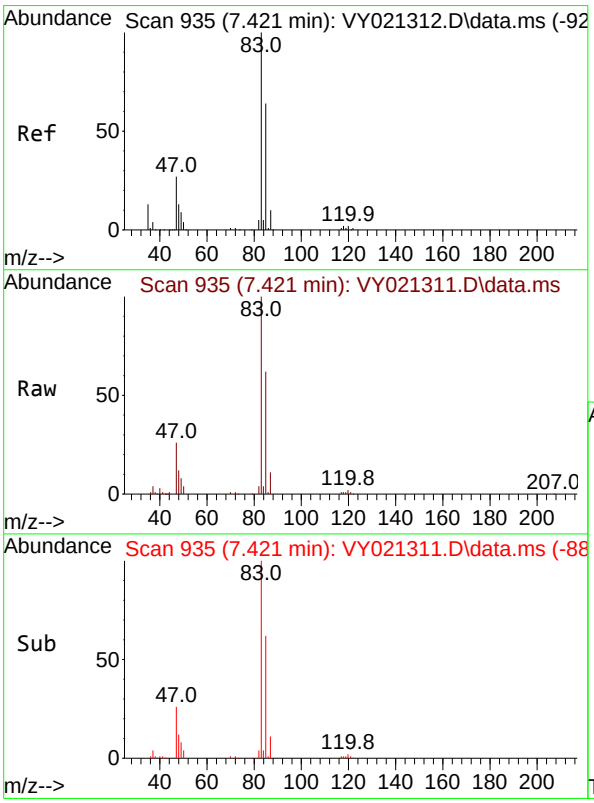
#29
Tetrahydrofuran
Concen: 98.365 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 39775

Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	37.2	31.4	47.0

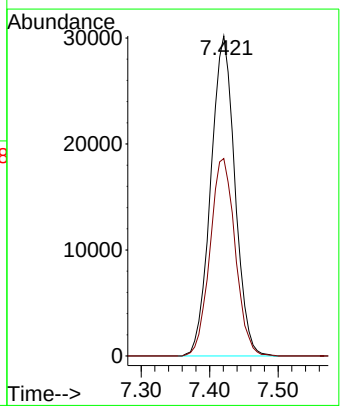


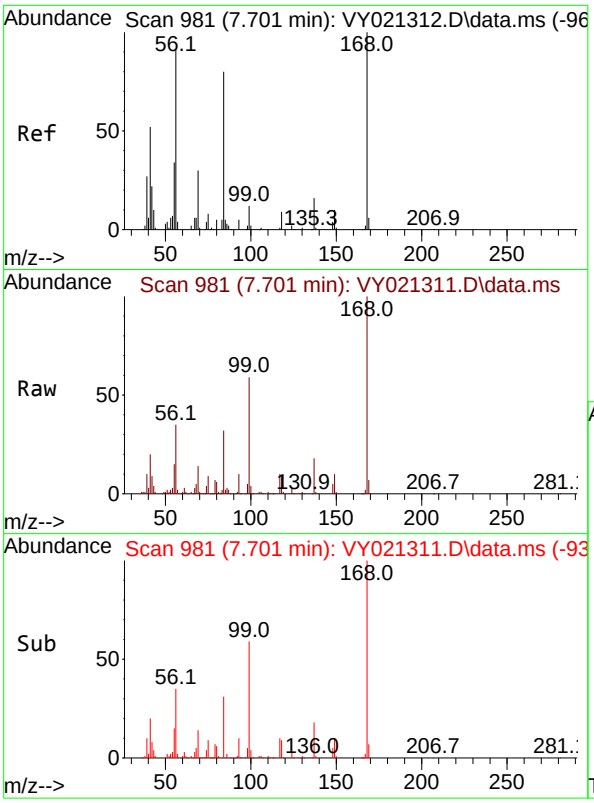


#30
Chloroform
Concen: 18.543 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 83 Resp: 73639

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.6	77.4



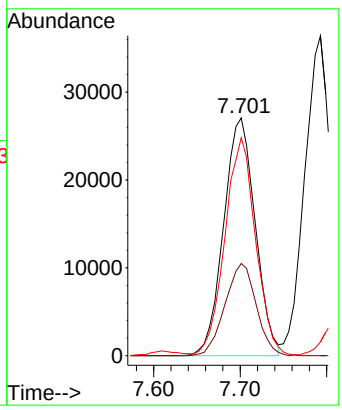


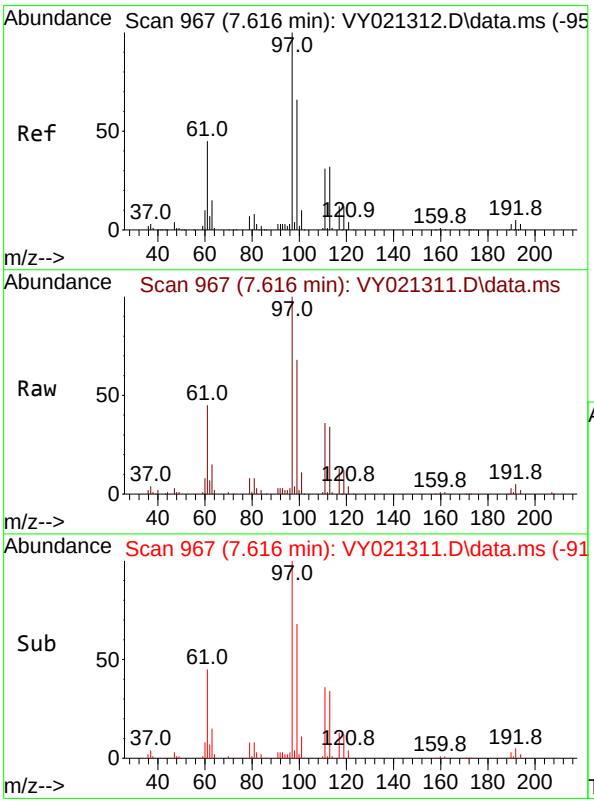
#31
Cyclohexane
Concen: 18.191 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 68531

Ion	Ratio	Lower	Upper
56	100		
69	38.8	26.2	39.4
84	90.4	70.2	105.4

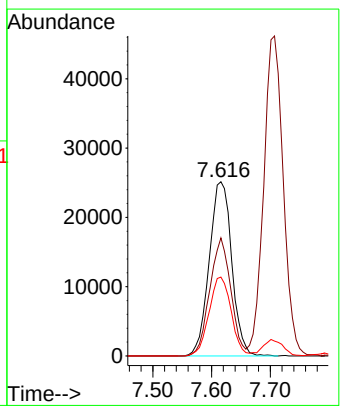


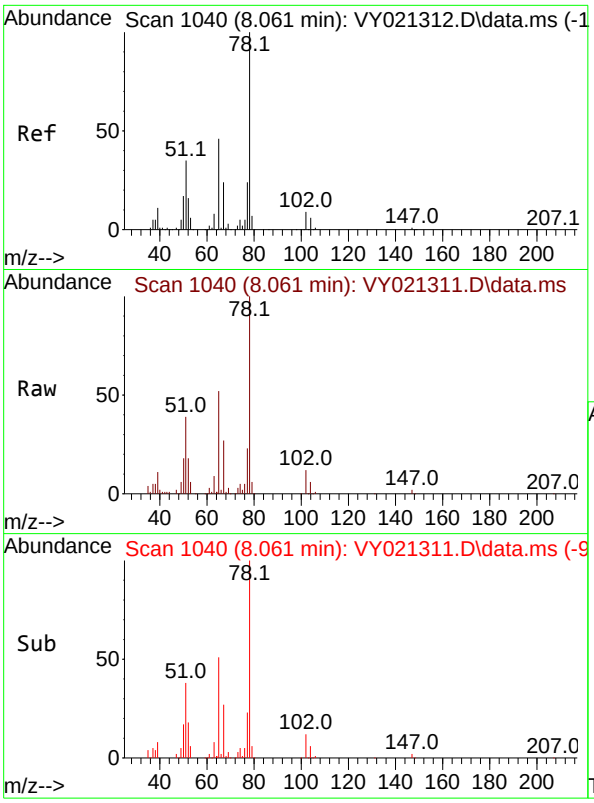


#32
1,1,1-Trichloroethane
Concen: 18.538 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 97 Resp: 67011

Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.4	78.6
61	44.5	36.2	54.2



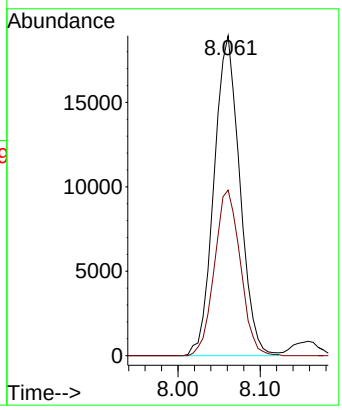


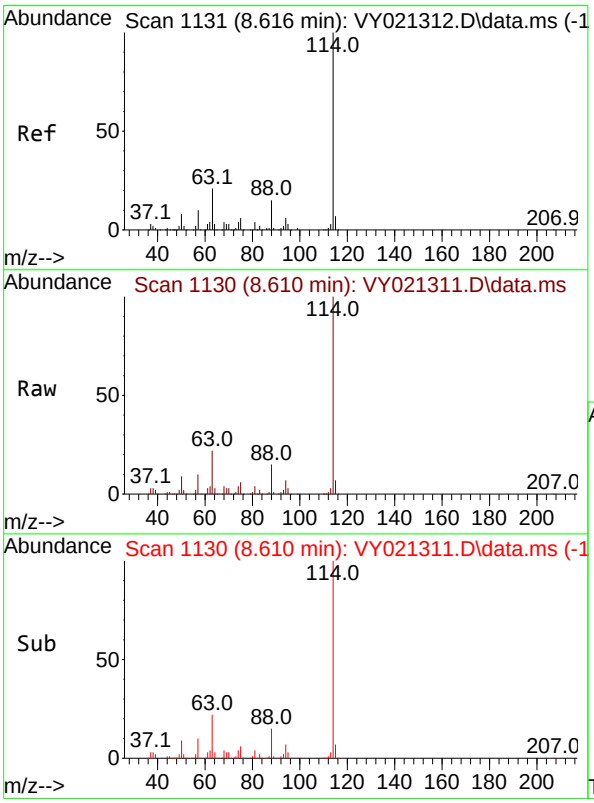
#33
1,2-Dichloroethane-d4
Concen: 19.337 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 41320

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.6

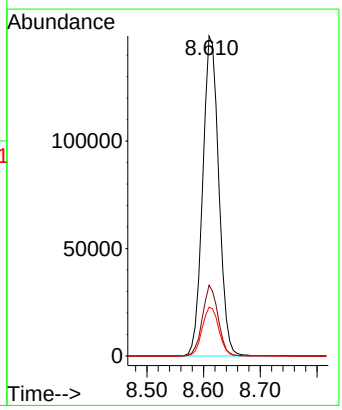


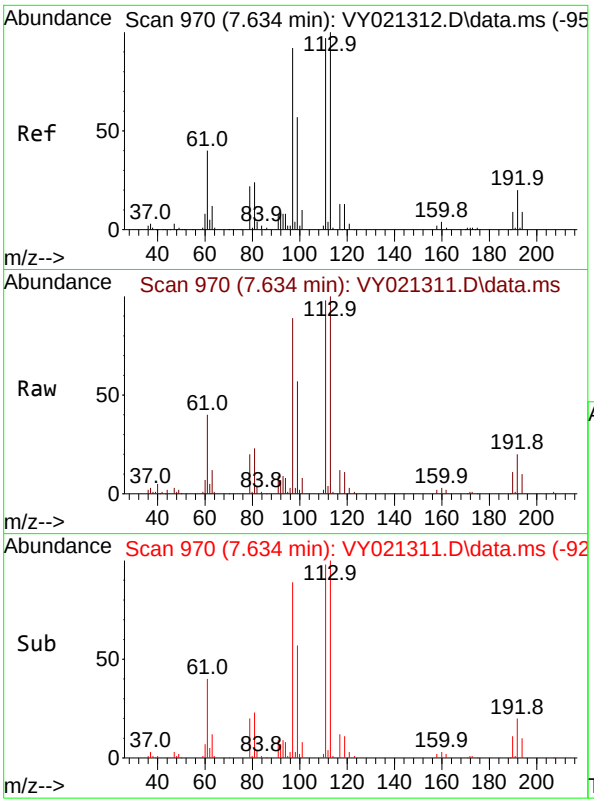


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:114 Resp: 293434

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.2
88	15.2	0.0	29.8



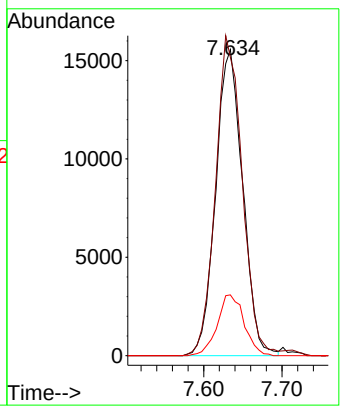


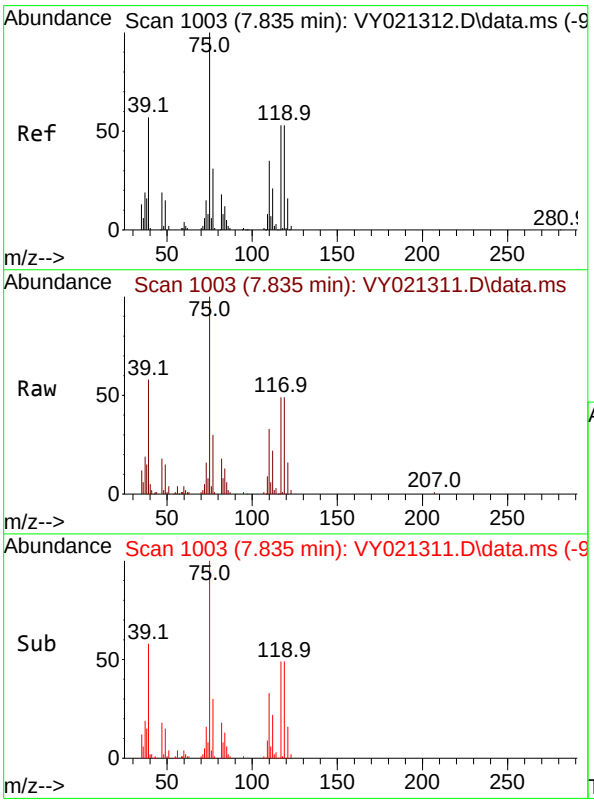
#35
Dibromofluoromethane
Concen: 19.371 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 37265

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.0	121.6
192	19.8	15.8	23.8

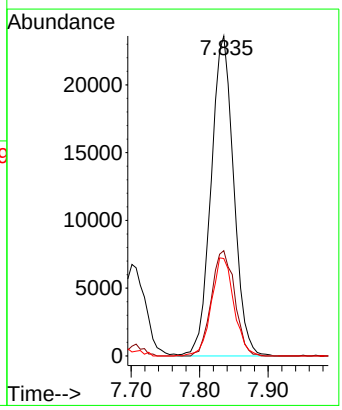


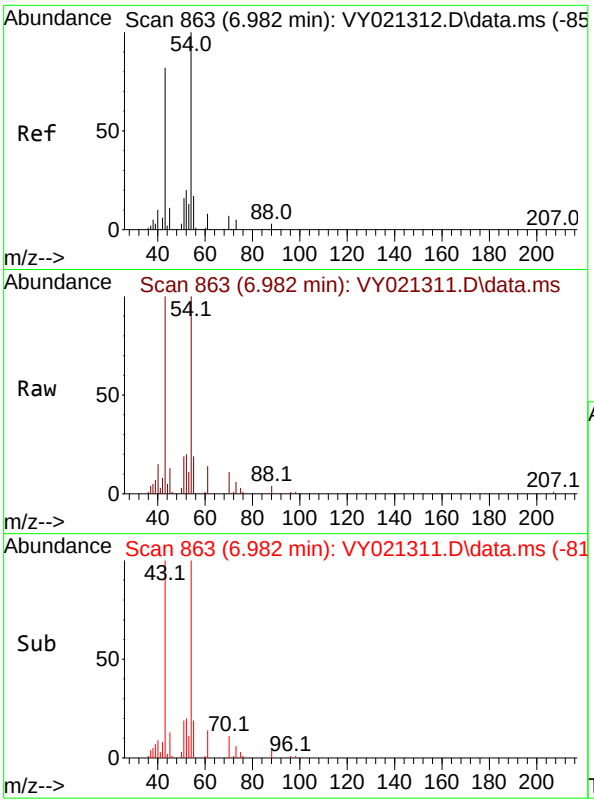


#36
1,1-Dichloropropene
Concen: 18.685 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 53995

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.7
77	30.6	24.6	36.8



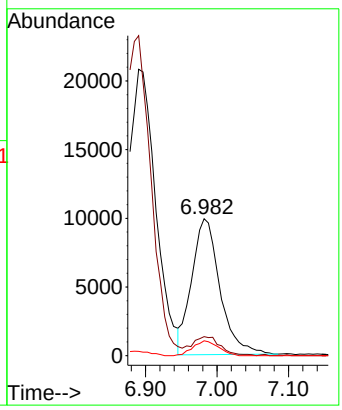


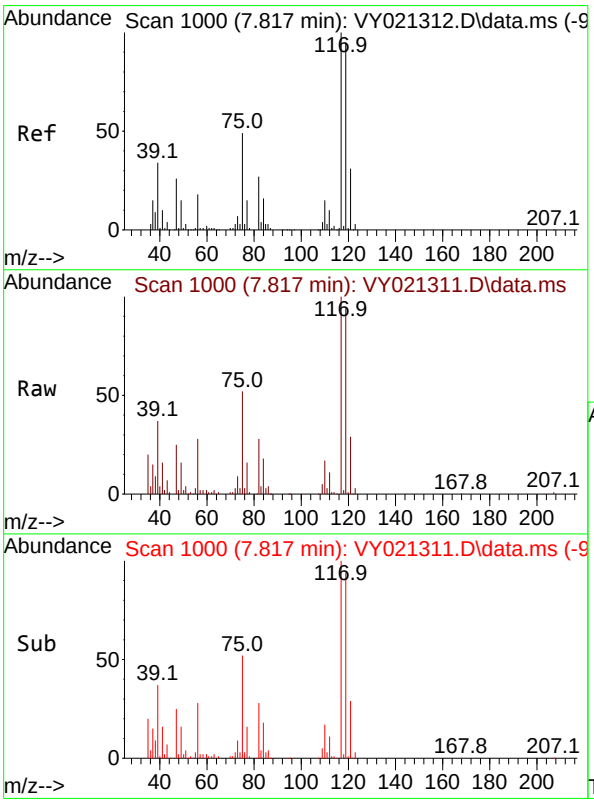
#37
Ethyl Acetate
Concen: 18.914 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 27188

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.4	15.6
70	9.8	7.5	11.3

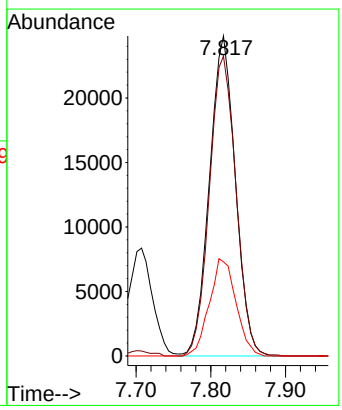


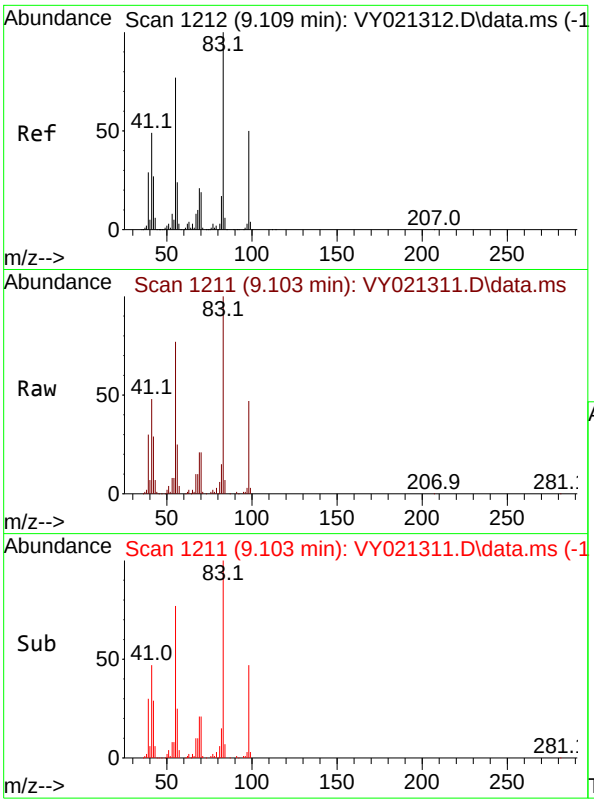


#38
Carbon Tetrachloride
Concen: 18.387 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 59733

Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.0	114.0
121	29.4	24.9	37.3



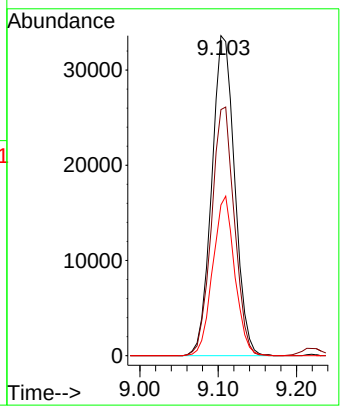


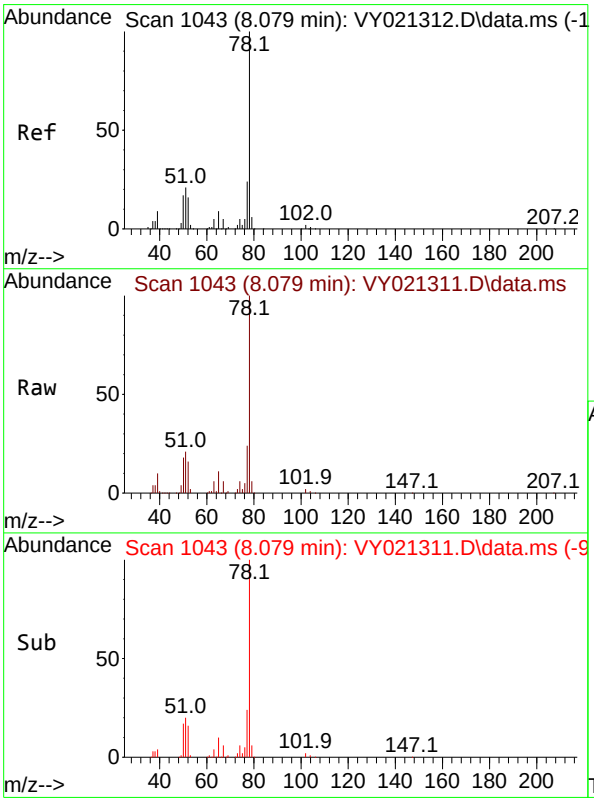
#39
Methylcyclohexane
Concen: 18.746 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 68516

Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.3	91.9
98	47.1	39.9	59.9

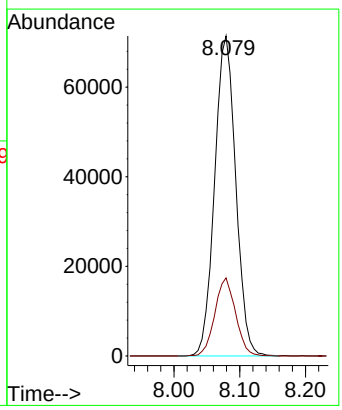


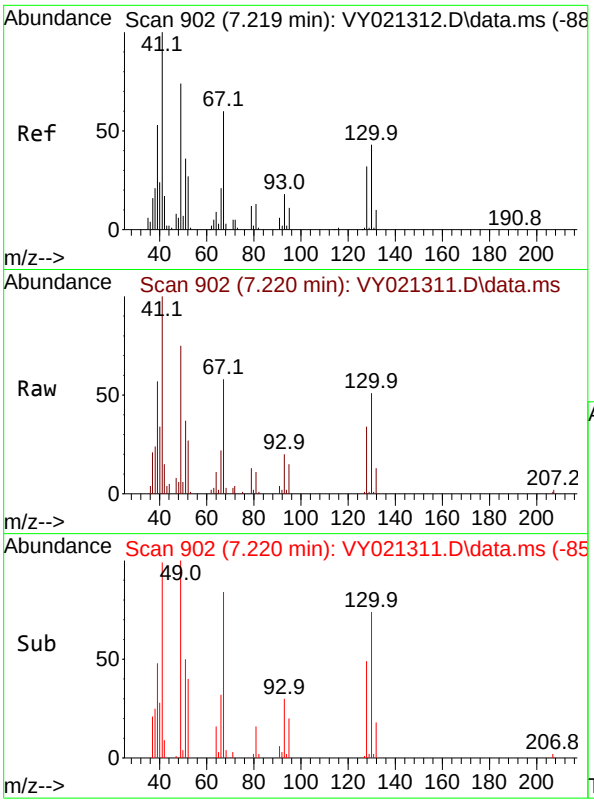


#40
Benzene
Concen: 18.676 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 78 Resp: 159536

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8



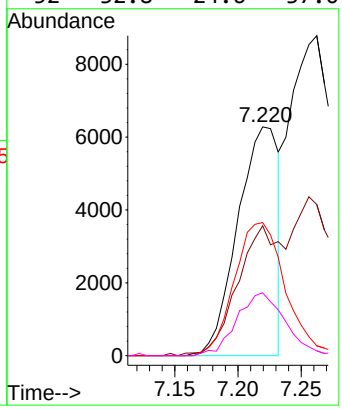


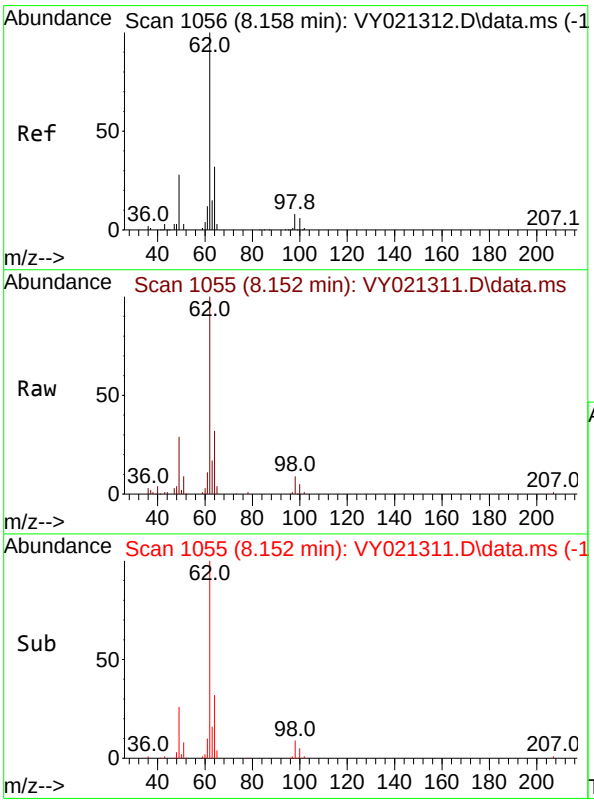
#41
Methacrylonitrile
Concen: 17.554 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 14108

Ion	Ratio	Lower	Upper
41	100		
39	63.1	42.3	63.5
67	72.9	54.8	82.2
52	32.8	24.6	37.0

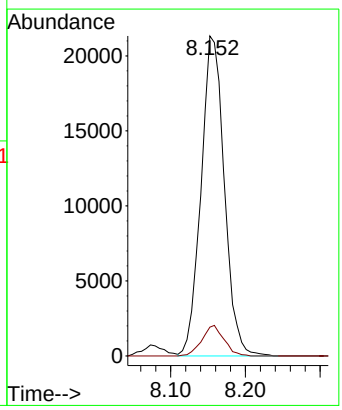


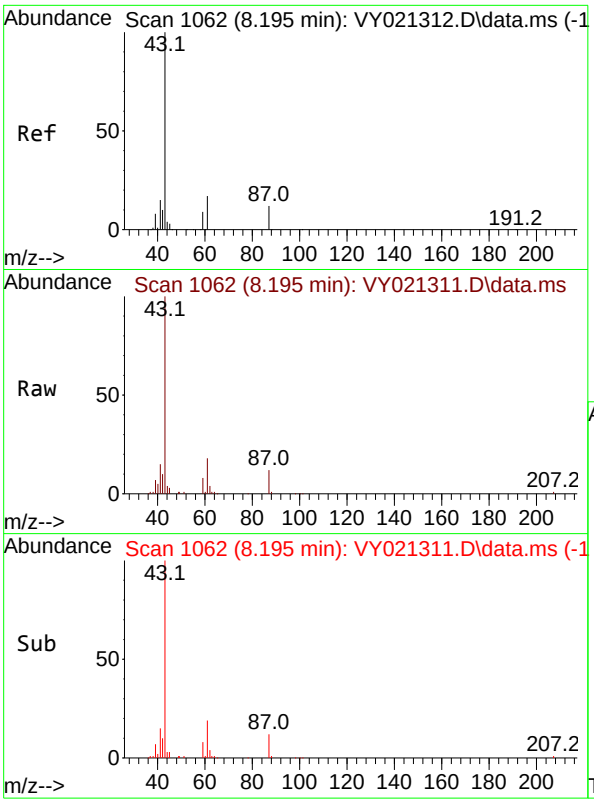


#42
1,2-Dichloroethane
Concen: 19.043 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 62 Resp: 46152

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6



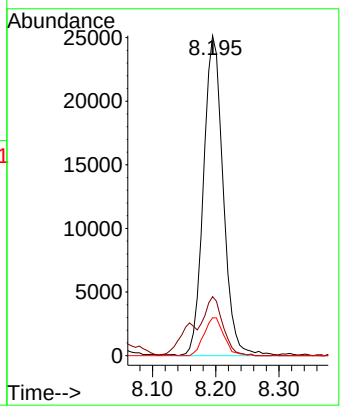


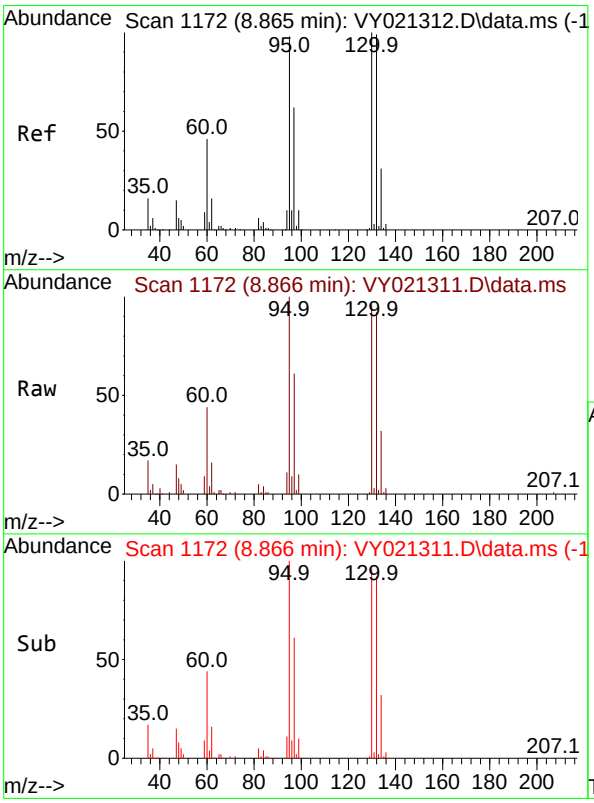
#43
Isopropyl Acetate
Concen: 19.583 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 54484

Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.0	22.6
87	12.1	10.0	15.0

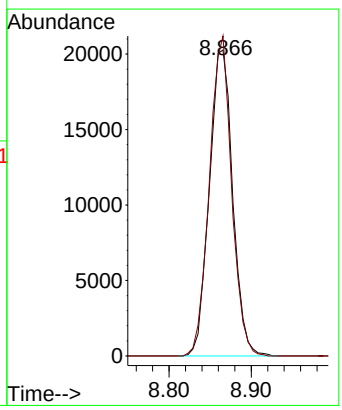


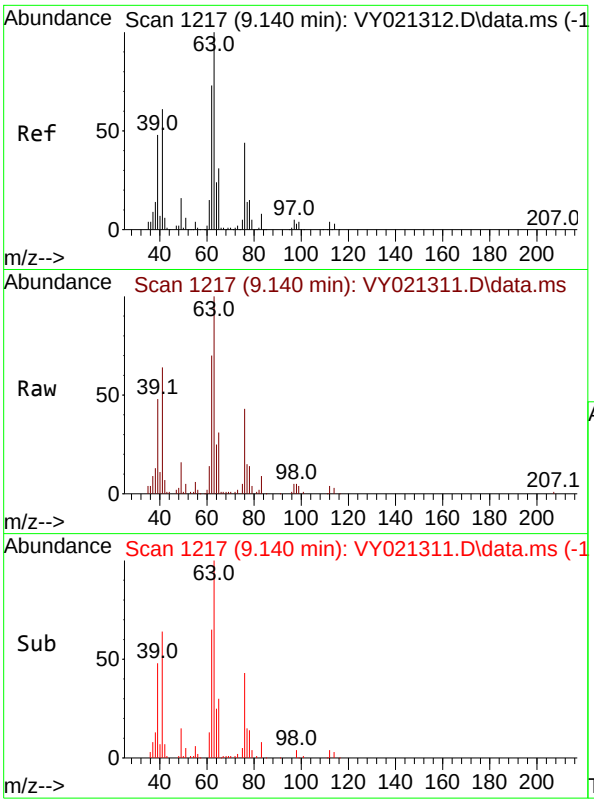


#44
Trichloroethene
Concen: 18.706 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:130 Resp: 40005

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	196.0



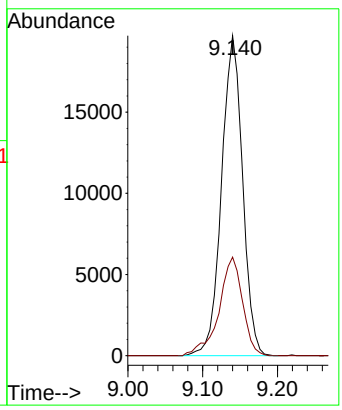


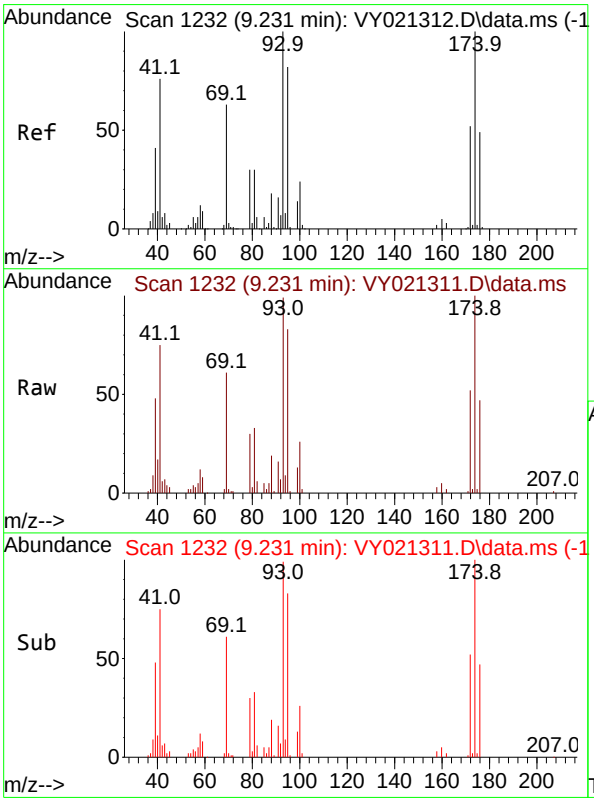
#45
1,2-Dichloropropane
Concen: 18.782 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 38611

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8

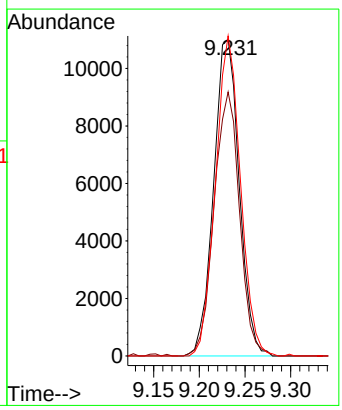


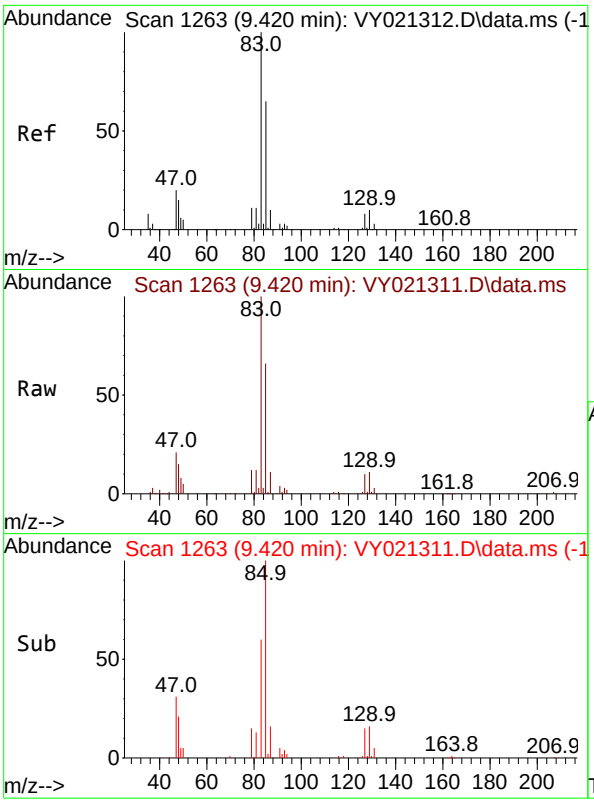


#46
Dibromomethane
Concen: 19.063 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 93 Resp: 21421

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	98.7	78.2	117.2



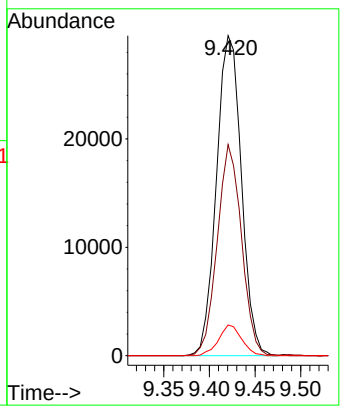


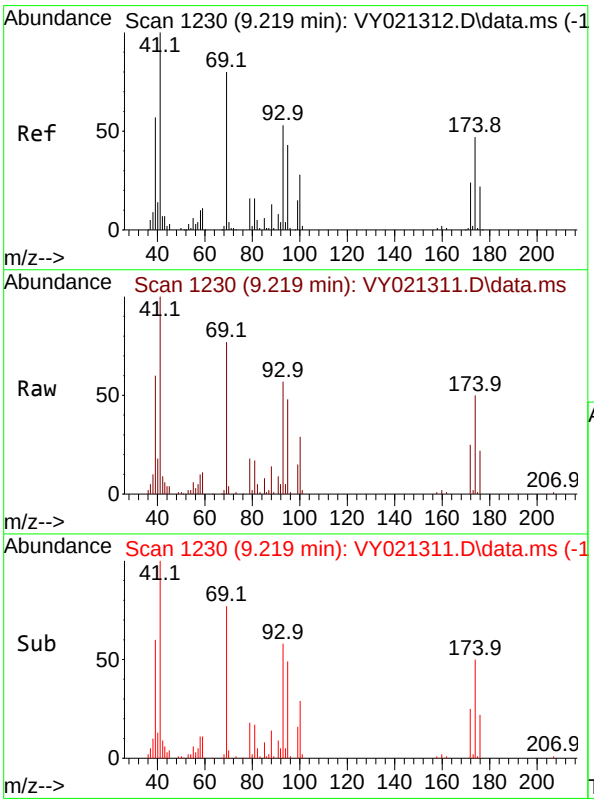
#47
Bromodichloromethane
Concen: 18.701 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 56033

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.8
127	9.6	6.7	10.1

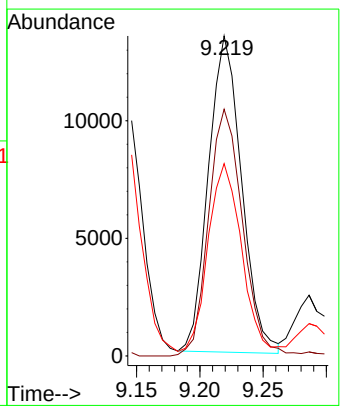


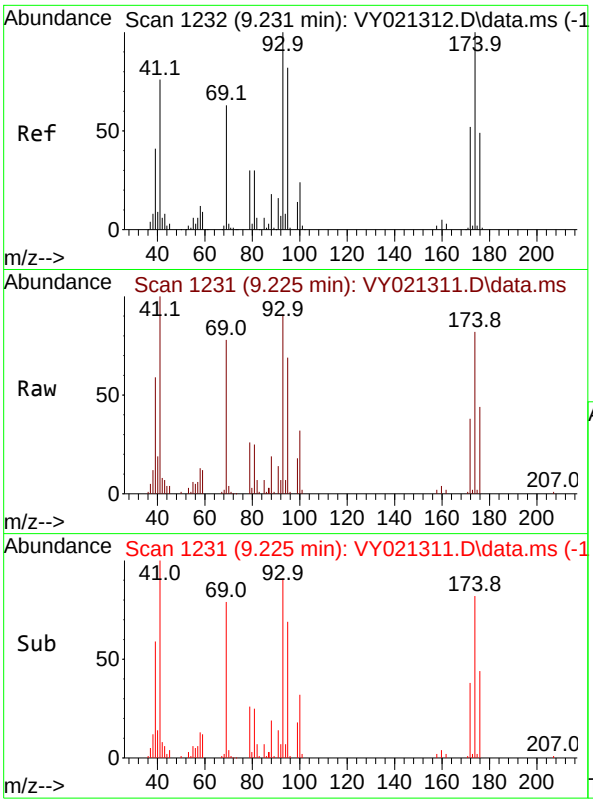


#48
Methyl methacrylate
Concen: 18.801 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 41 Resp: 24461

Ion	Ratio	Lower	Upper
41	100		
69	80.2	63.3	94.9
39	60.2	45.0	67.6



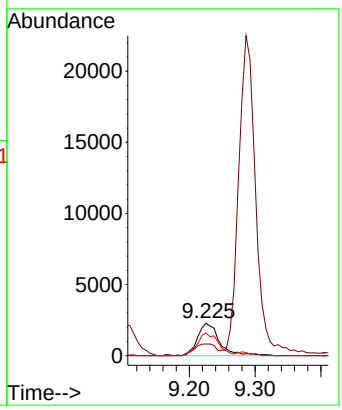


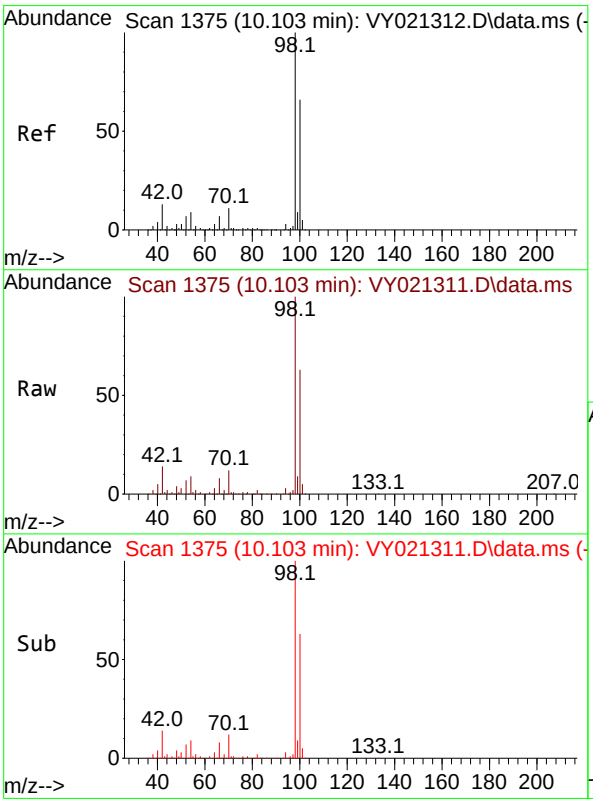
#49
1,4-Dioxane
Concen: 424.825 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 5308

Ion	Ratio	Lower	Upper
88	100		
43	35.4	34.8	52.2
58	66.8	59.8	89.6

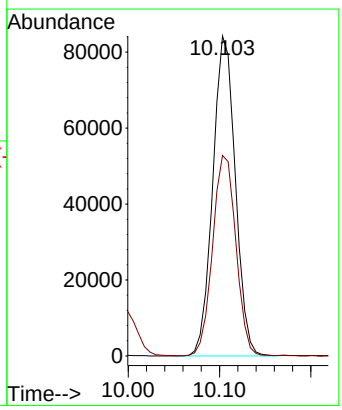


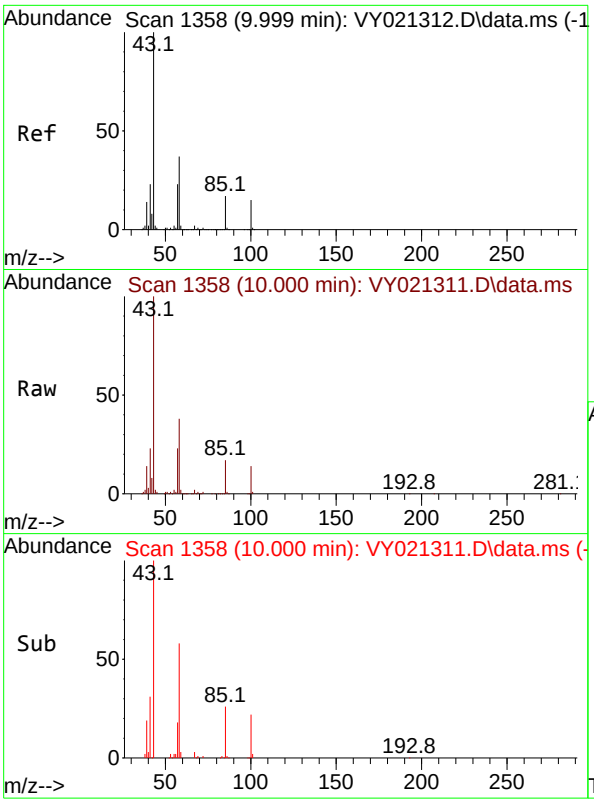


#50
Toluene-d8
Concen: 19.423 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 98 Resp: 144409

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6



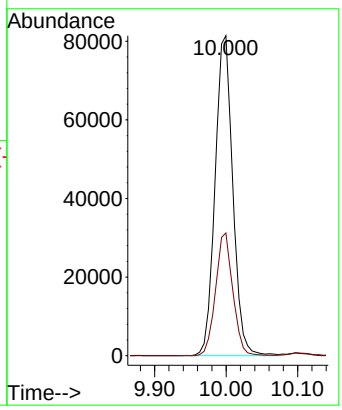


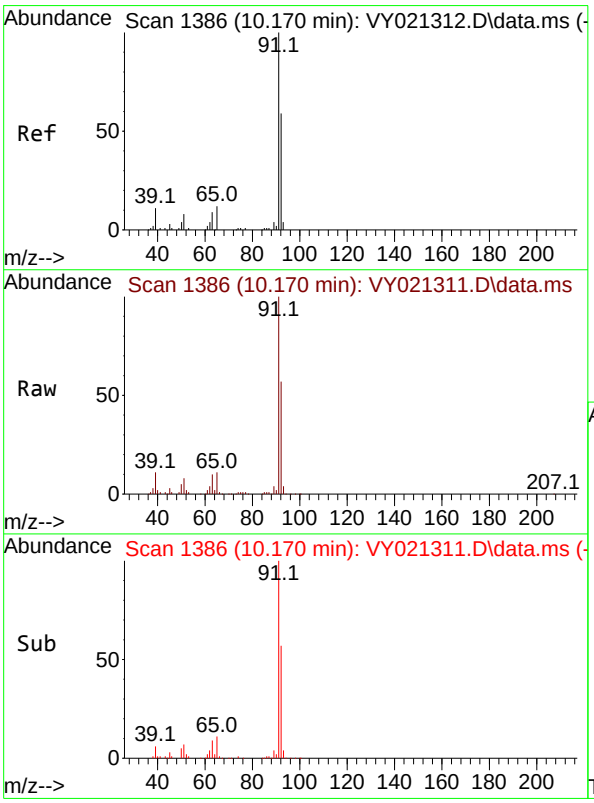
#51
4-Methyl-2-Pentanone
Concen: 98.430 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 140187

Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1

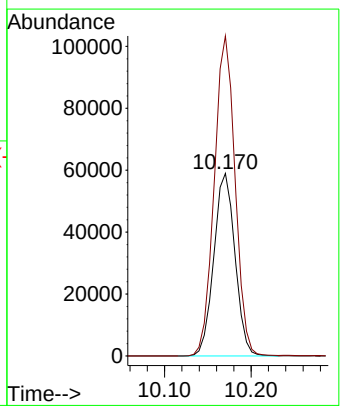


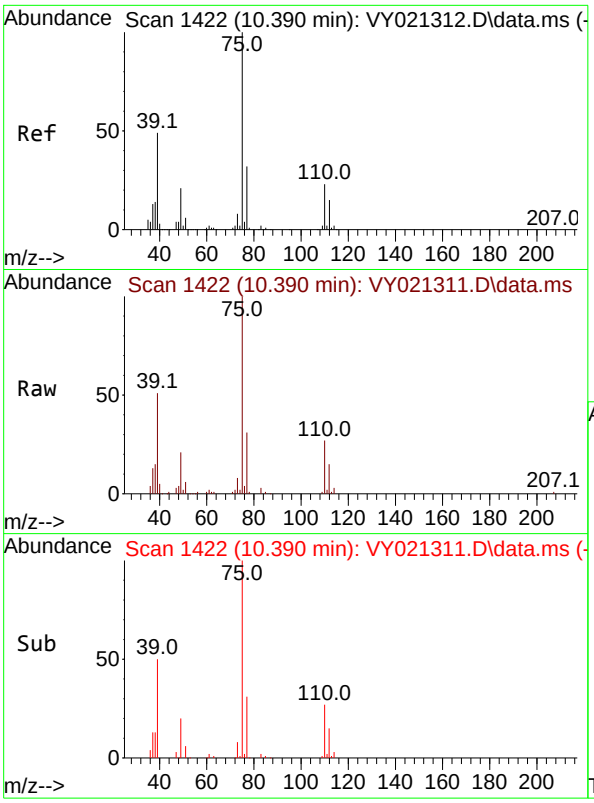


#52
Toluene
Concen: 18.854 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 92 Resp: 100050

Ion	Ratio	Lower	Upper
92	100		
91	172.8	137.8	206.8



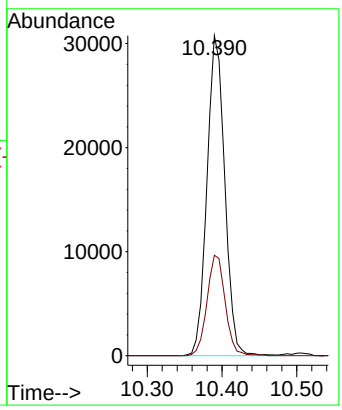


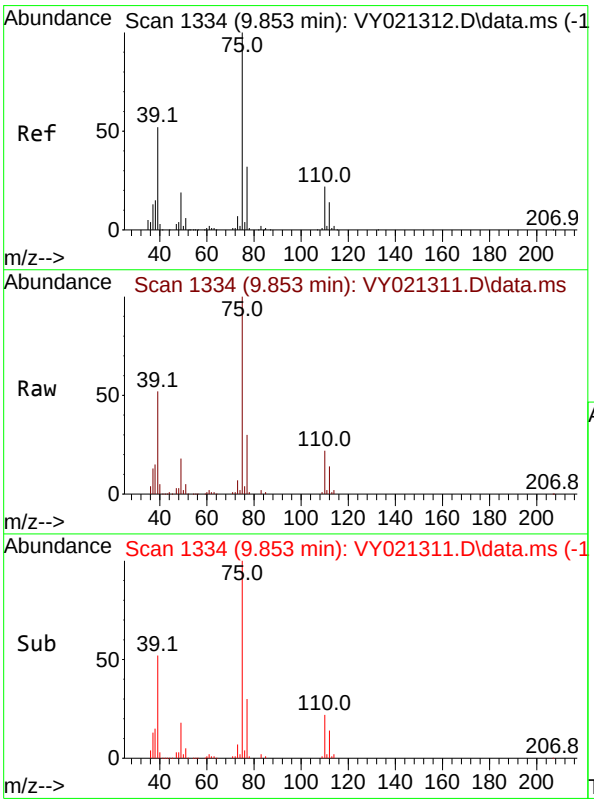
#53
t-1,3-Dichloropropene
Concen: 18.563 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 50957

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9

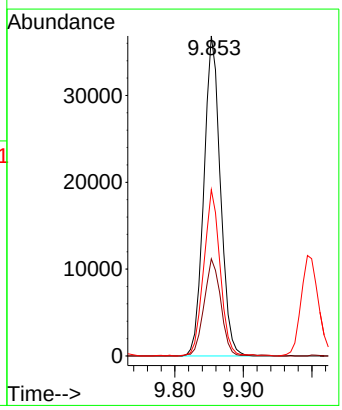


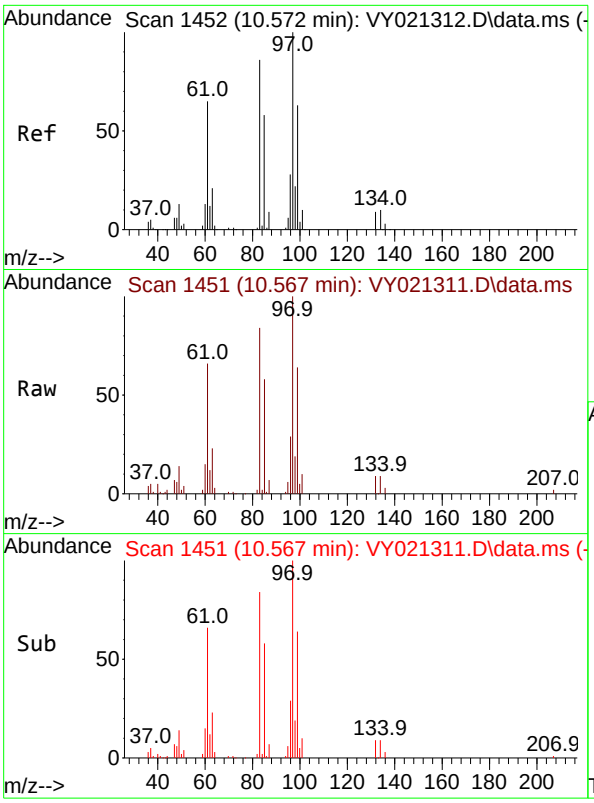


#54
cis-1,3-Dichloropropene
Concen: 19.122 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 61967

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.7	38.5
39	52.0	41.8	62.6



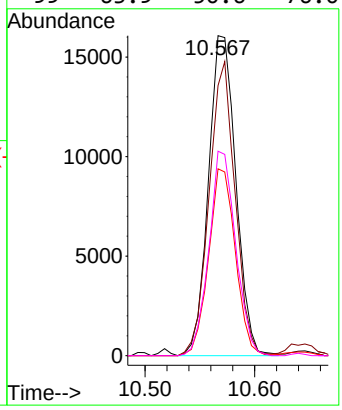


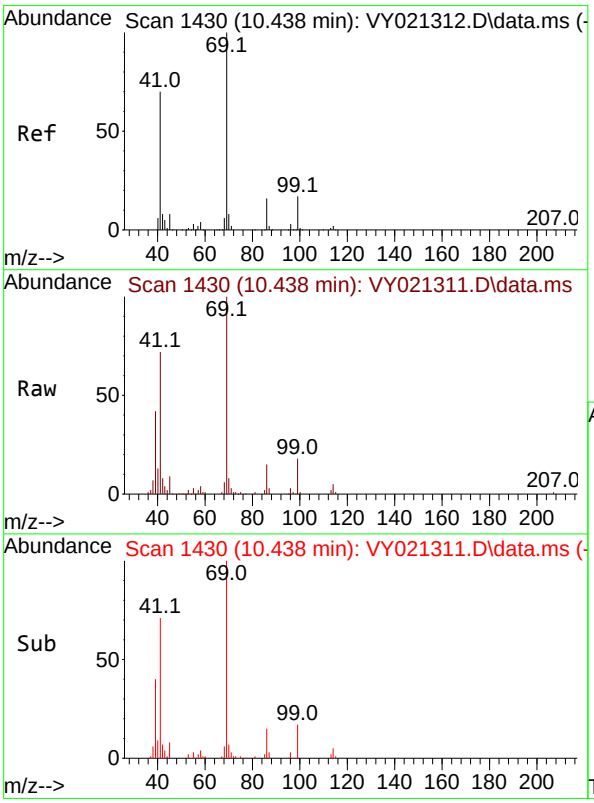
#55
1,1,2-Trichloroethane
Concen: 19.088 ug/l
RT: 10.567 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 27942

Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.7	103.1
85	58.4	46.3	69.5
99	63.9	50.6	76.0

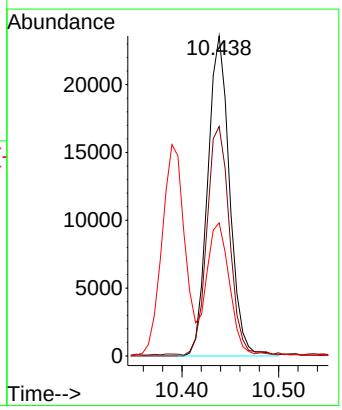


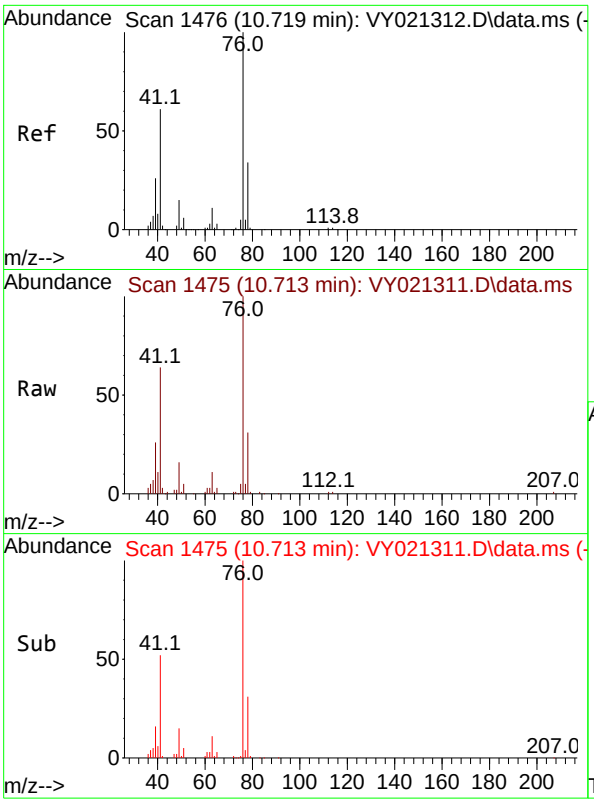


#56
Ethyl methacrylate
Concen: 18.291 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 69 Resp: 36997

Ion	Ratio	Lower	Upper
69	100		
41	74.3	56.2	84.4
39	43.9	32.7	49.1



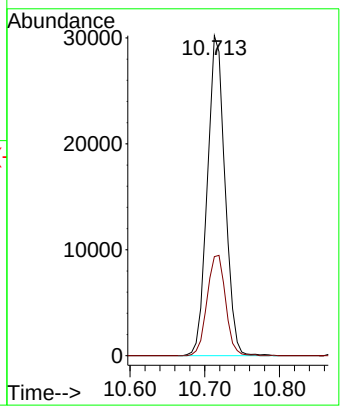


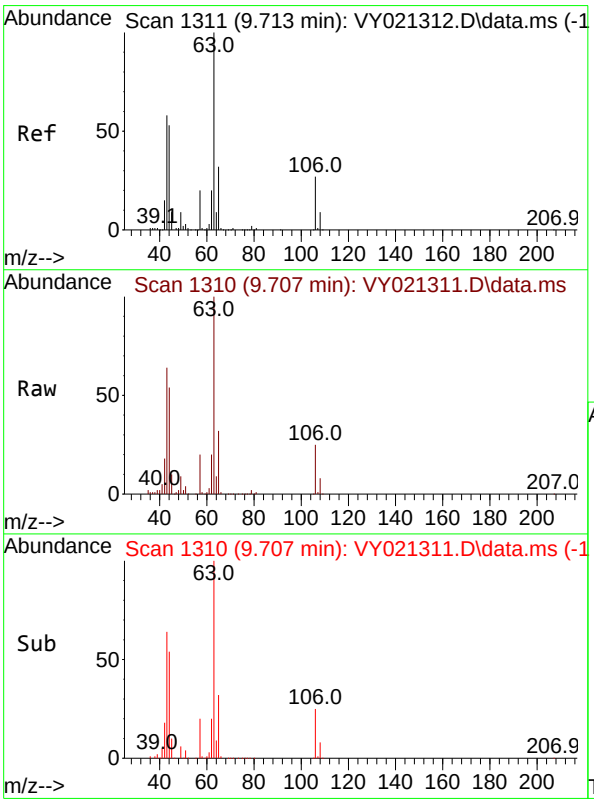
#57
1,3-Dichloropropane
Concen: 19.270 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 49499

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.9	38.9

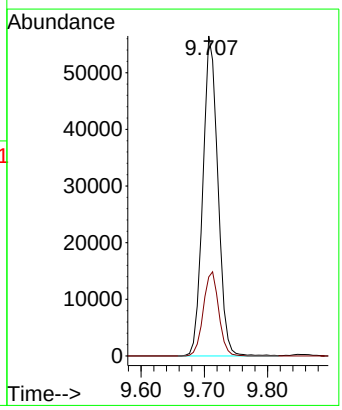


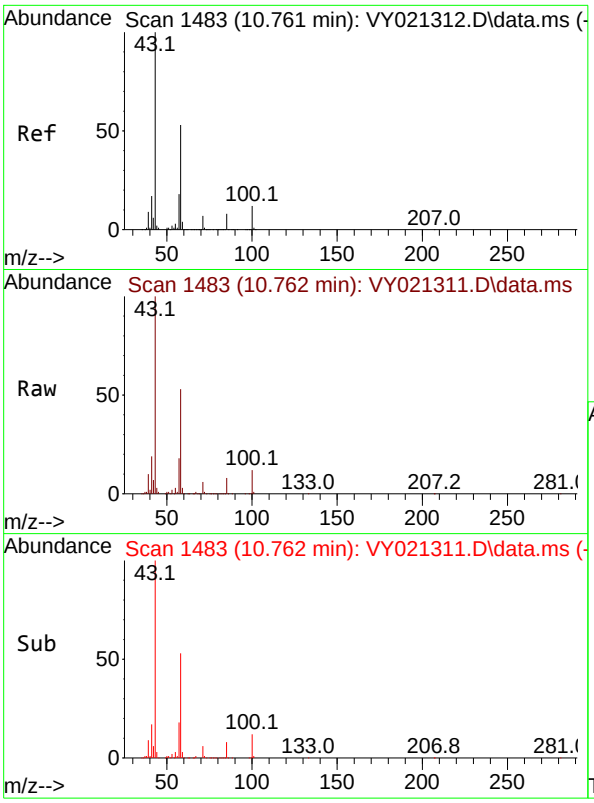


#58
2-Chloroethyl Vinyl ether
Concen: 96.179 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 63 Resp: 93377

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5



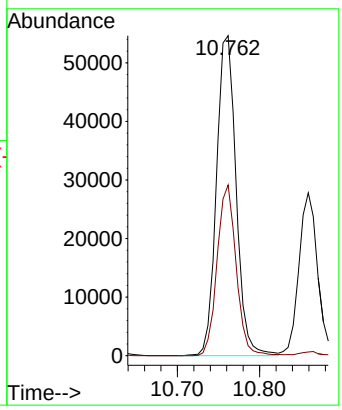


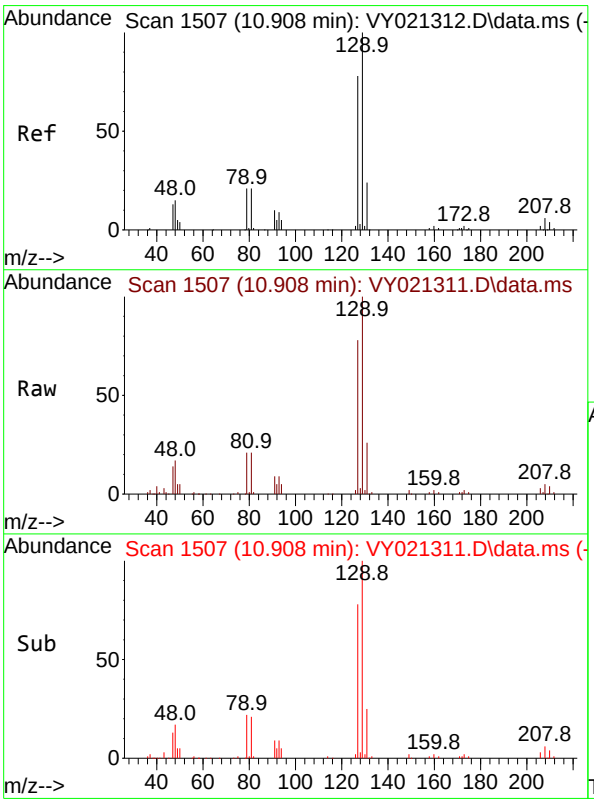
#59
2-Hexanone
Concen: 97.163 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 90882

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

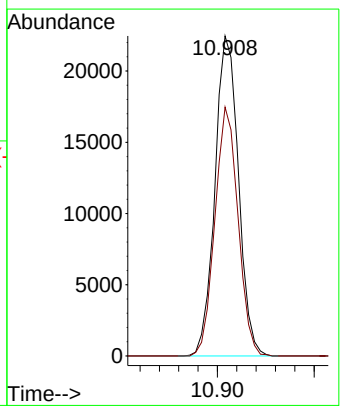


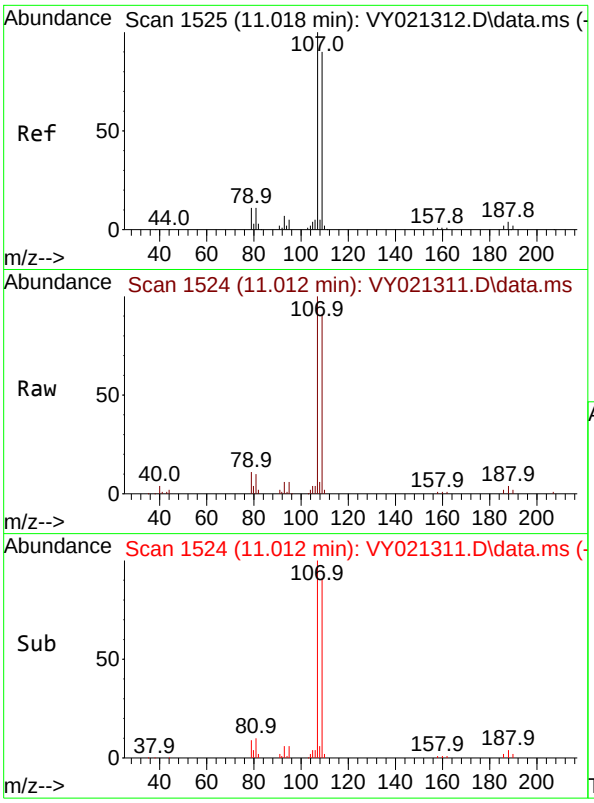


#60
Dibromochloromethane
Concen: 18.964 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:129 Resp: 37808

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.8	116.4



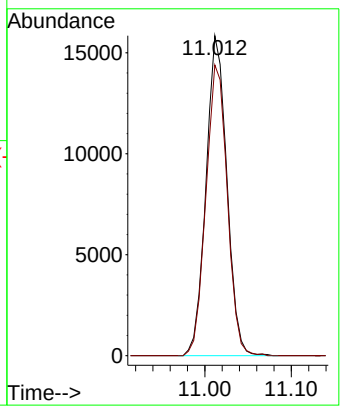


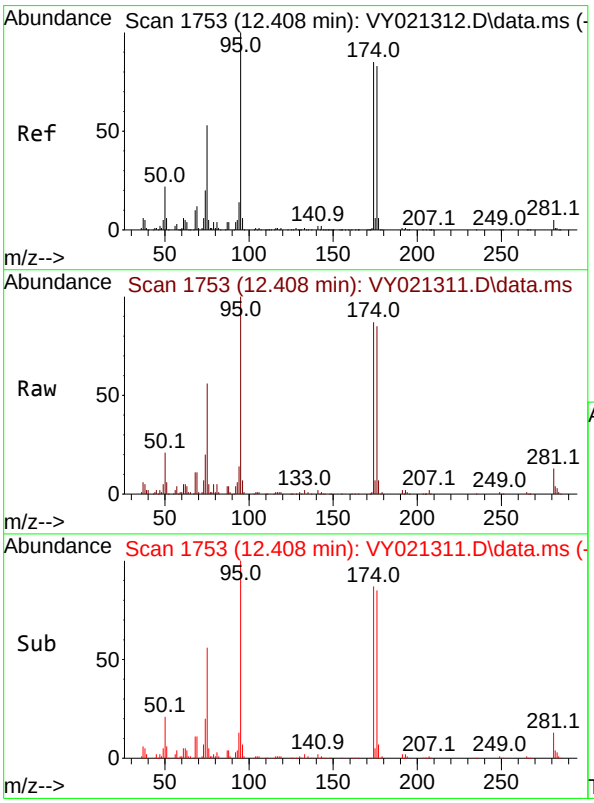
#61
1,2-Dibromoethane
Concen: 19.135 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 26519

Ion	Ratio	Lower	Upper
107	100		
109	92.9	73.8	110.8

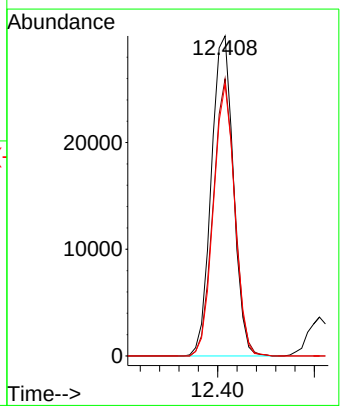


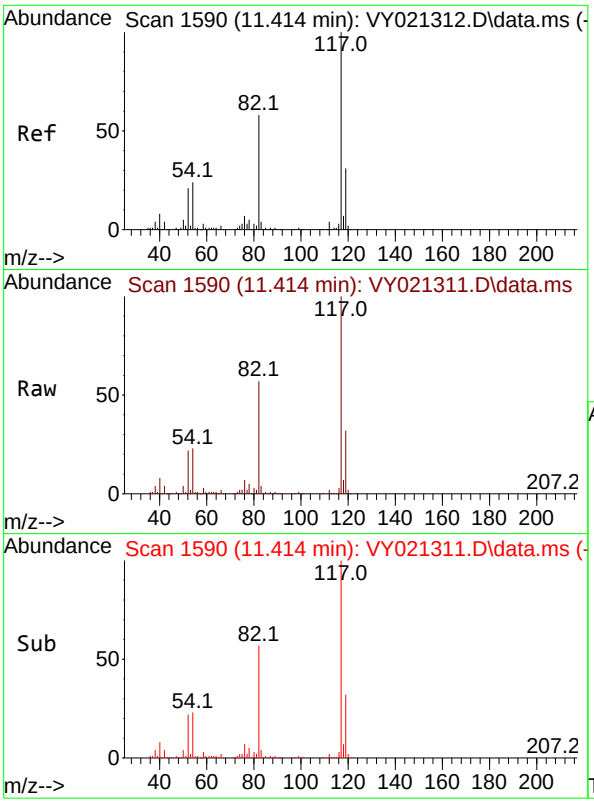


#62
4-Bromofluorobenzene
Concen: 18.950 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 95 Resp: 47417

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	168.0
176	82.0	0.0	162.6



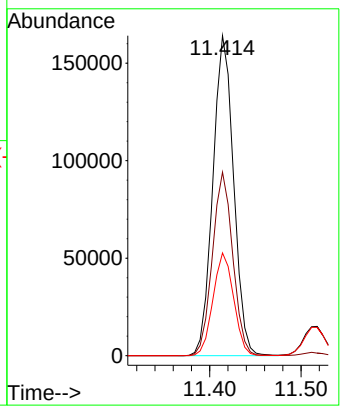


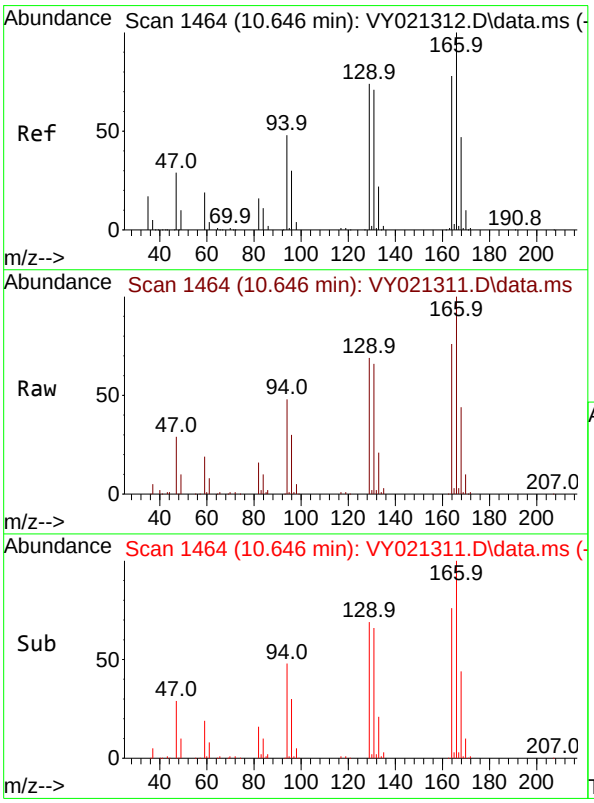
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 258896

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.2	69.4
119	32.1	24.9	37.3

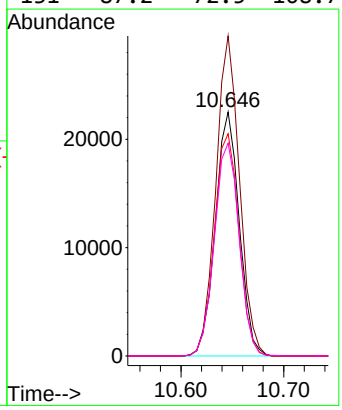


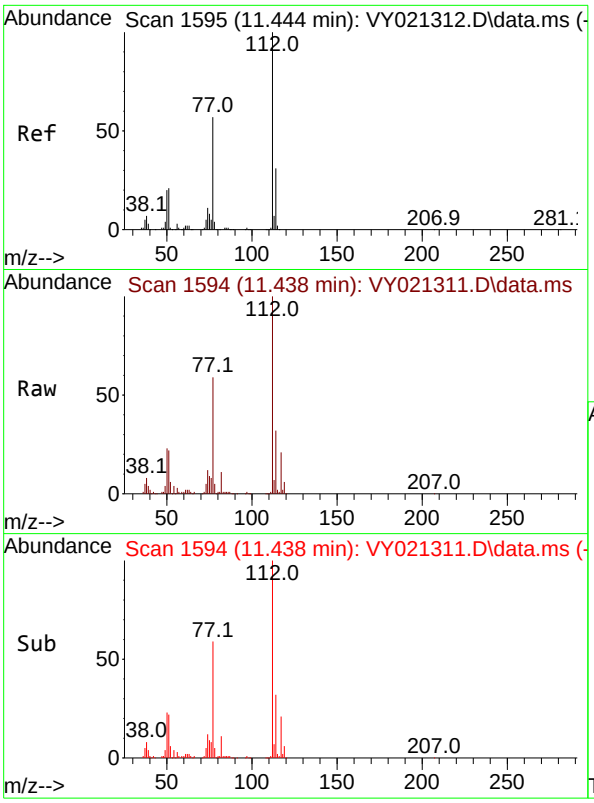


#64
Tetrachloroethene
Concen: 18.595 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:164 Resp: 36387

Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.9	152.9
129	91.1	75.5	113.3
131	87.2	72.5	108.7



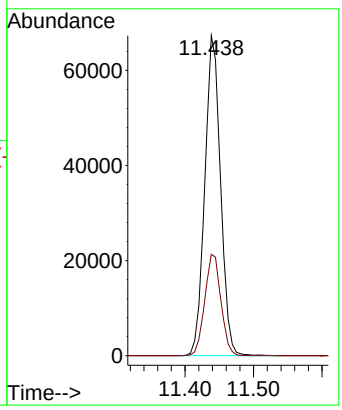


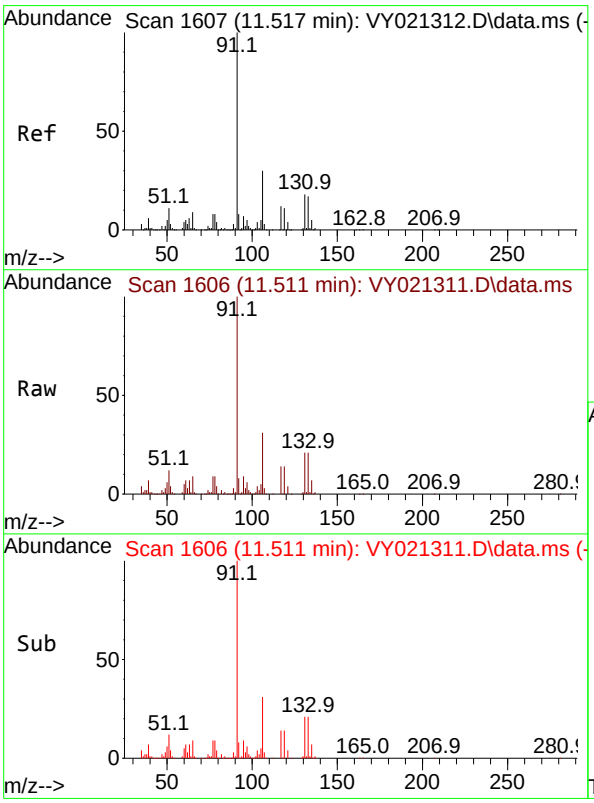
#65
Chlorobenzene
Concen: 18.519 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 107621

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.6

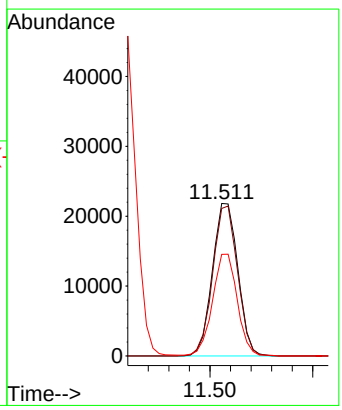


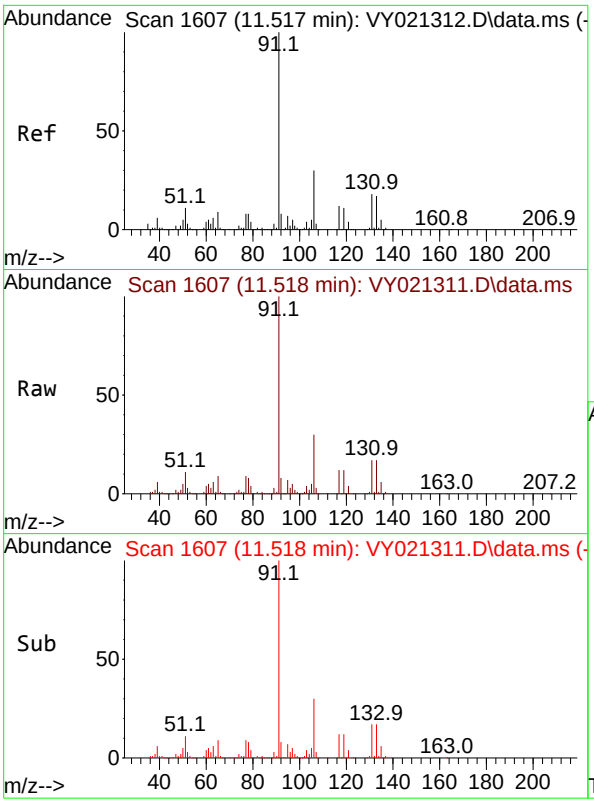


#66
1,1,1,2-Tetrachloroethane
Concen: 18.422 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:131 Resp: 37487

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.9	143.6
119	65.1	31.7	95.1



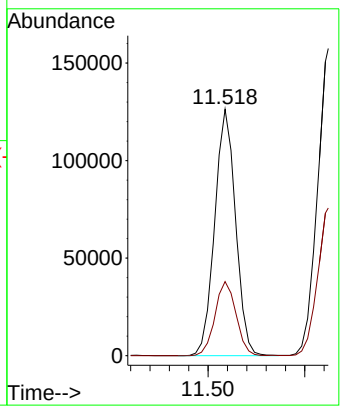


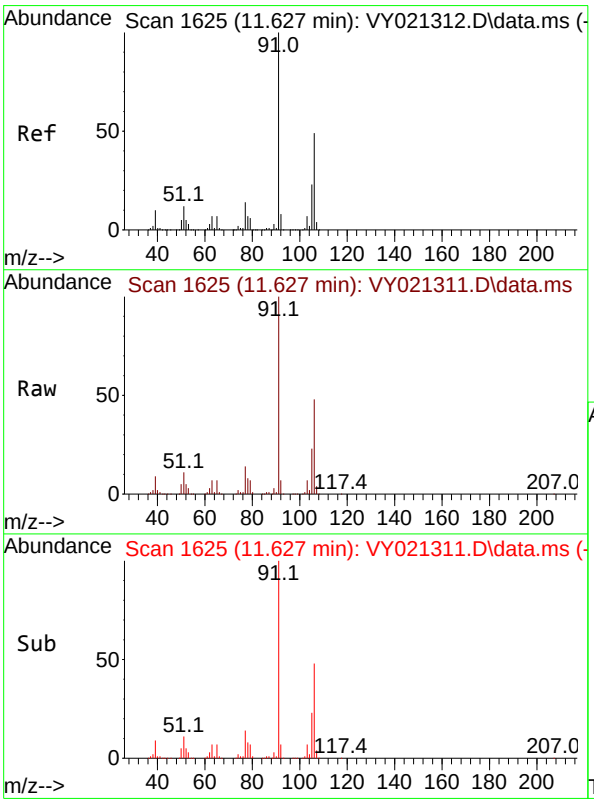
#67
Ethyl Benzene
Concen: 18.366 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 189052

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.4	36.6

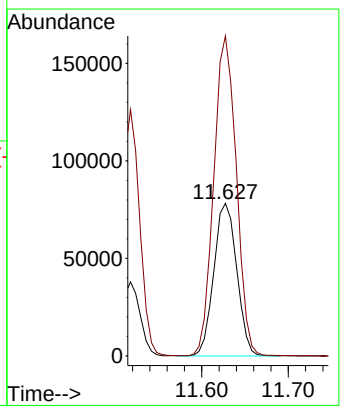


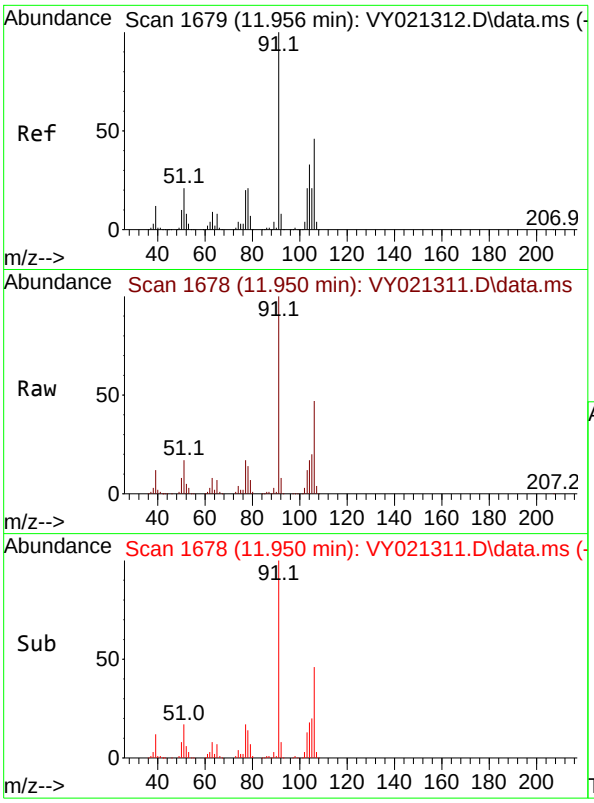


#68
m/p-Xylenes
Concen: 37.210 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:106 Resp: 144073

Ion	Ratio	Lower	Upper
106	100		
91	205.9	163.9	245.9



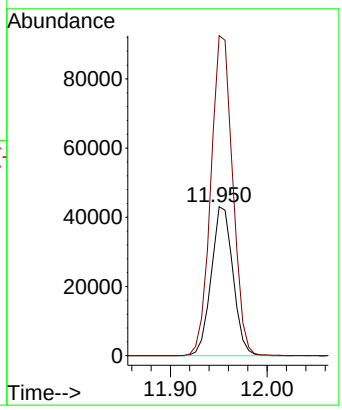


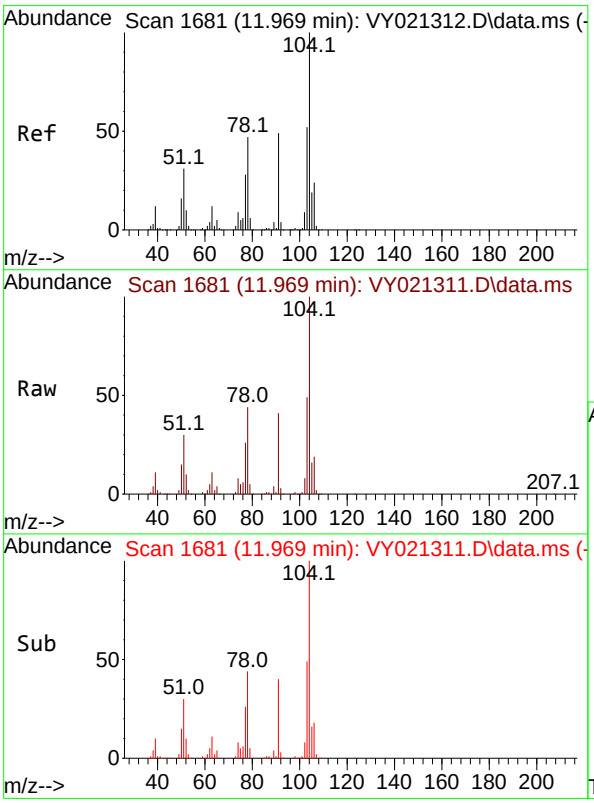
#69
o-Xylene
Concen: 18.488 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 67060

Ion	Ratio	Lower	Upper
106	100		
91	216.5	108.1	324.2

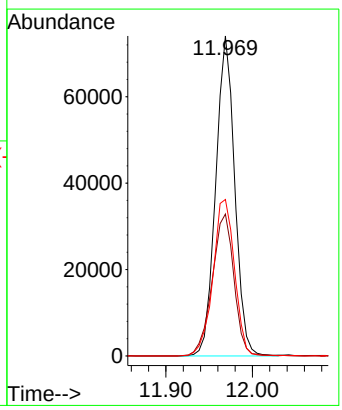


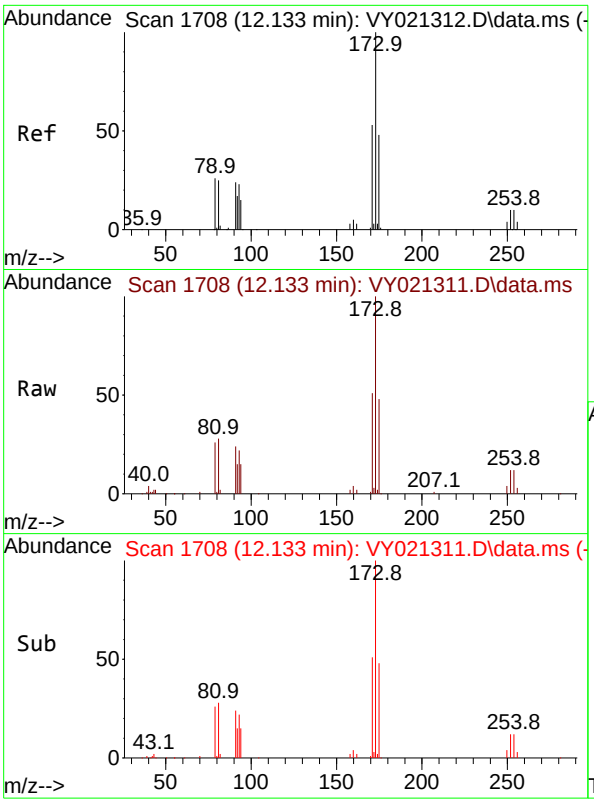


#70
Styrene
Concen: 18.729 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:104 Resp: 113033

Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.3	61.9
103	55.5	43.9	65.9



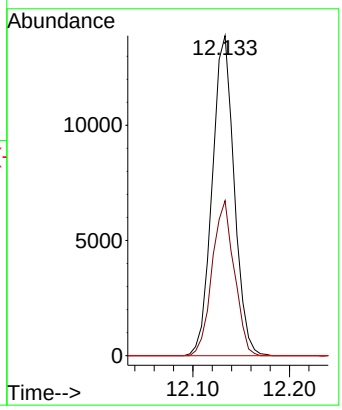


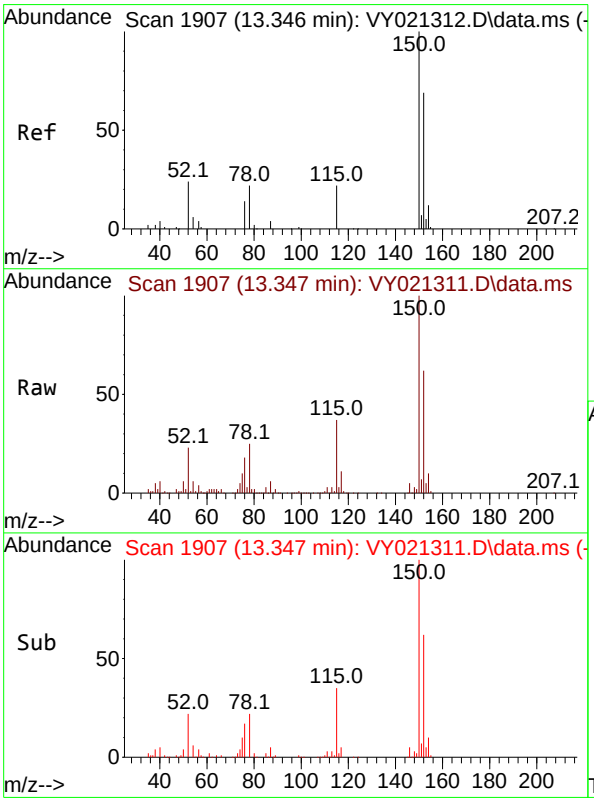
#71
Bromoform
Concen: 18.800 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 21886

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.0	0.1	0.1#

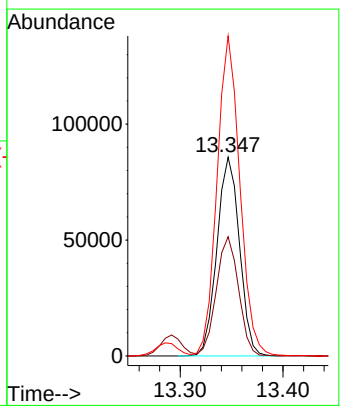


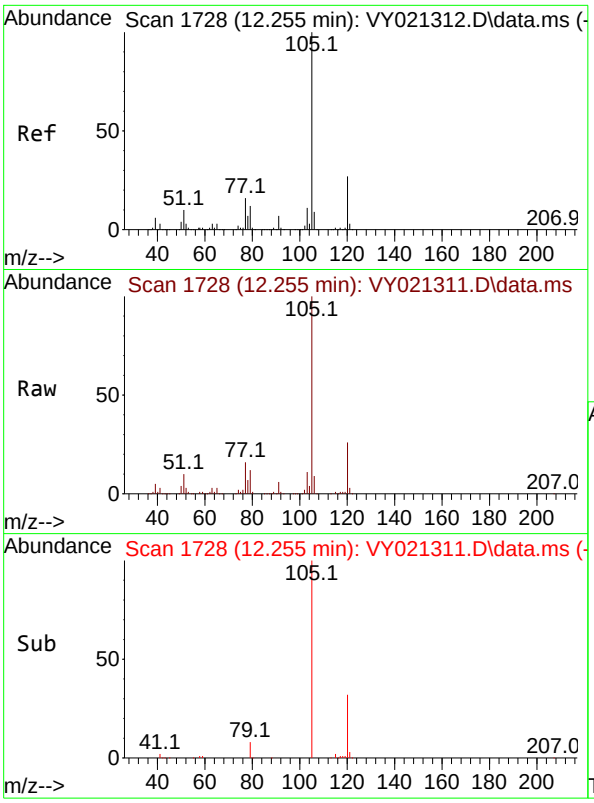


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:152 Resp: 130546

Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.3	88.0
150	163.4	0.0	347.4



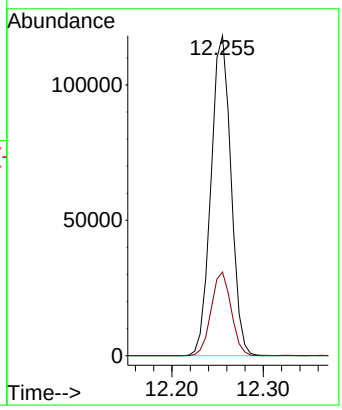


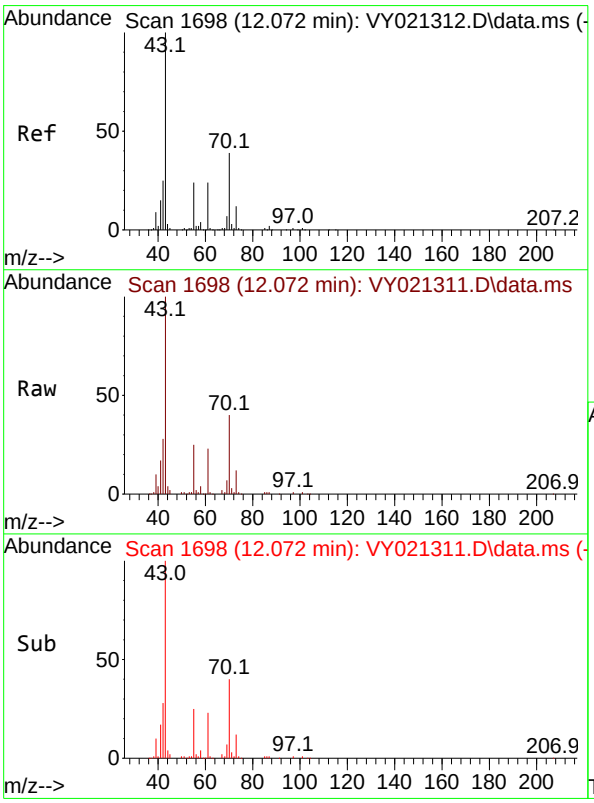
#73
Isopropylbenzene
Concen: 18.288 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 179489

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.3	39.8

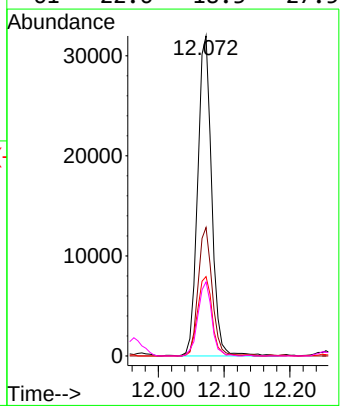


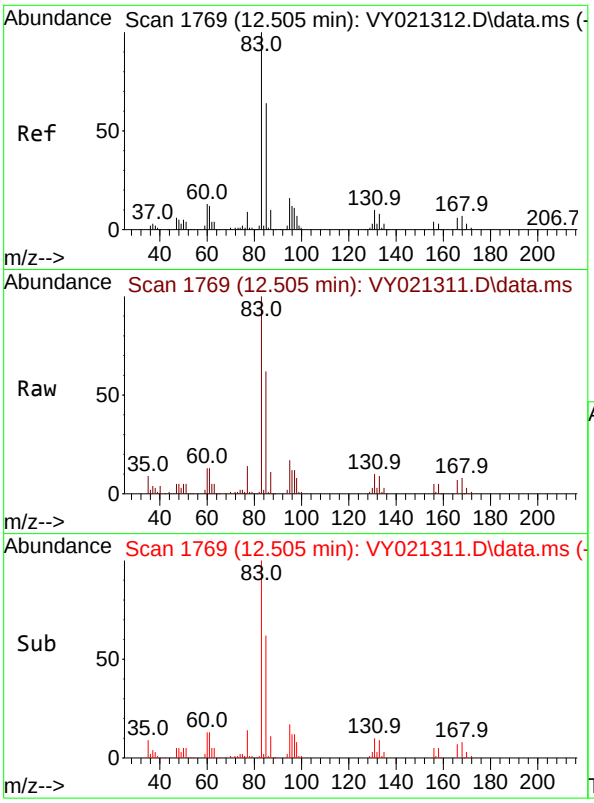


#74
N-amyl acetate
Concen: 18.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 43 Resp: 47224

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.2	48.2
55	25.6	19.6	29.4
61	22.6	18.3	27.5



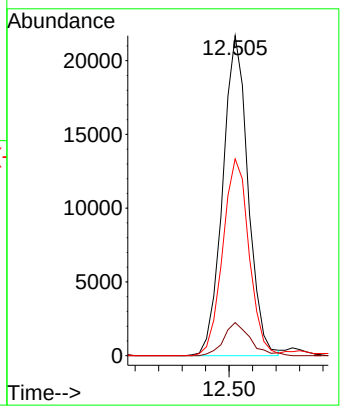


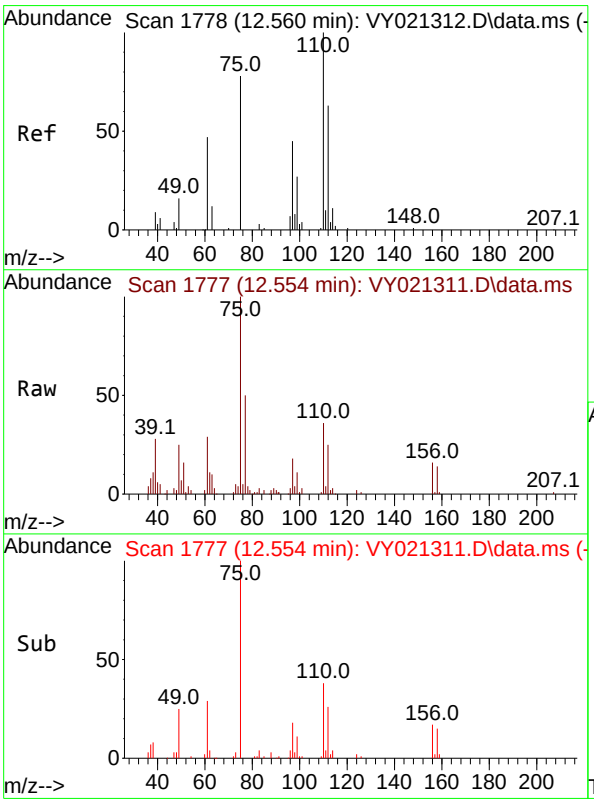
#75
1,1,2,2-Tetrachloroethane
Concen: 18.717 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 32419

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	63.8	32.0	96.0

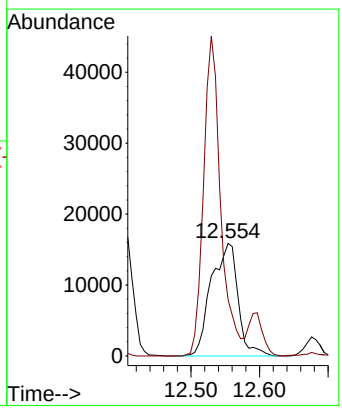


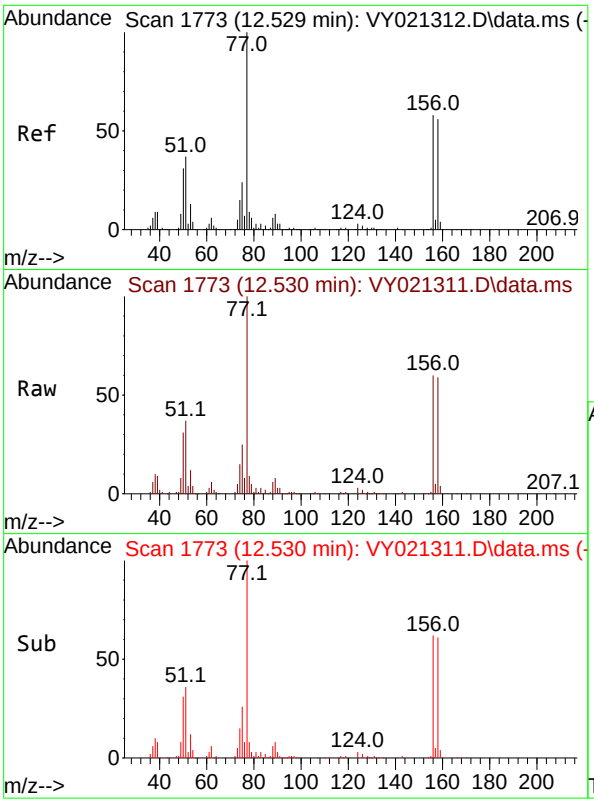


#76
1,2,3-Trichloropropane
Concen: 32.817 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 43143

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



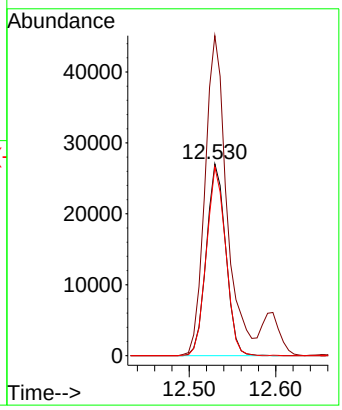


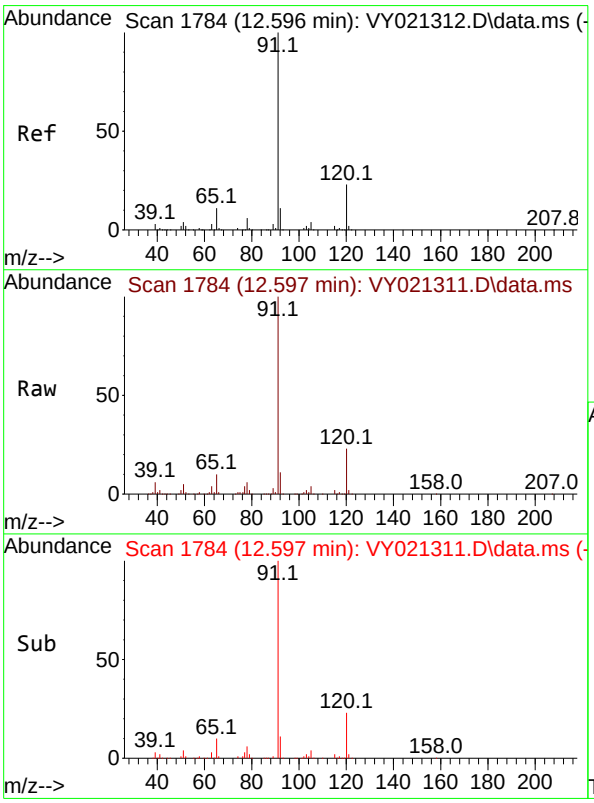
#77
Bromobenzene
Concen: 18.433 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 42078

Ion	Ratio	Lower	Upper
156	100		
77	186.1	94.0	282.1
158	97.9	48.7	146.1

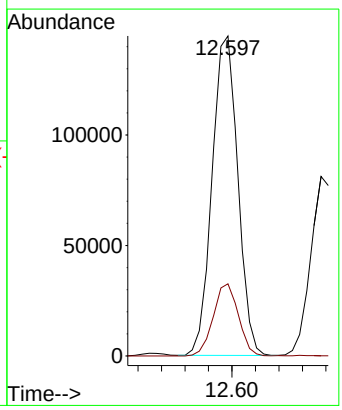


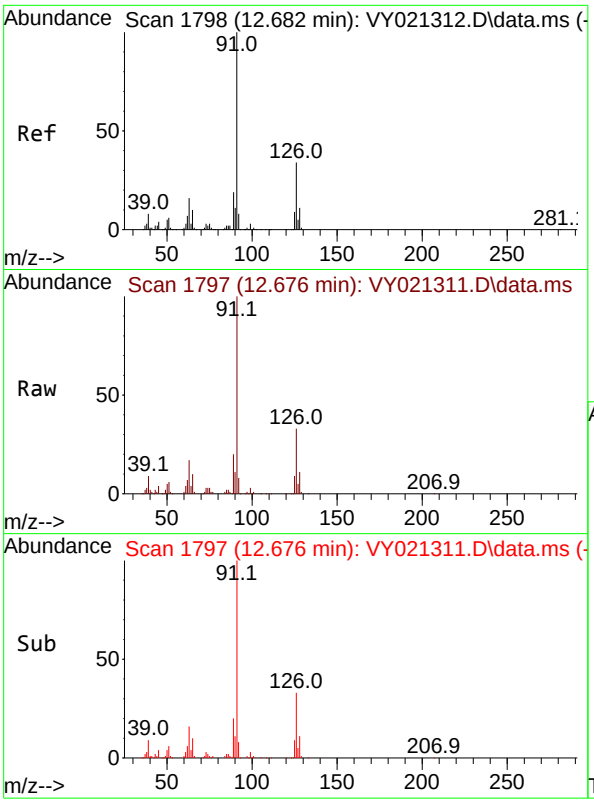


#78
n-propylbenzene
Concen: 18.486 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 220158

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.5



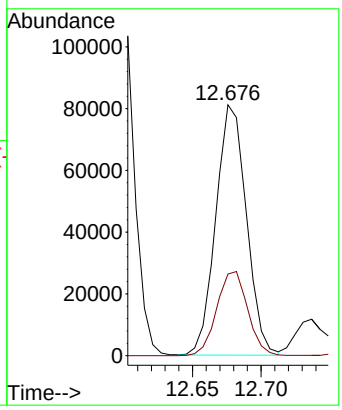


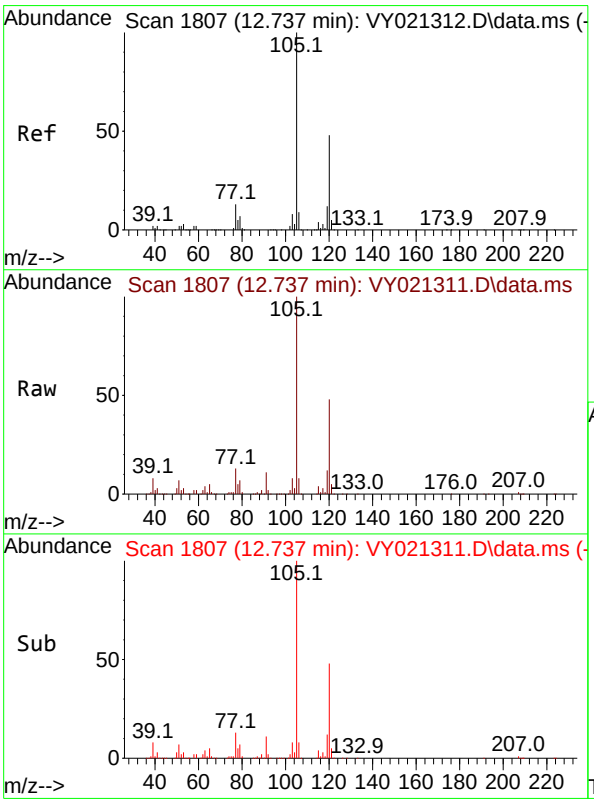
#79
2-Chlorotoluene
Concen: 18.430 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 125969

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.6

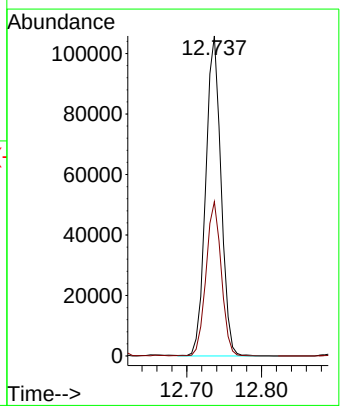


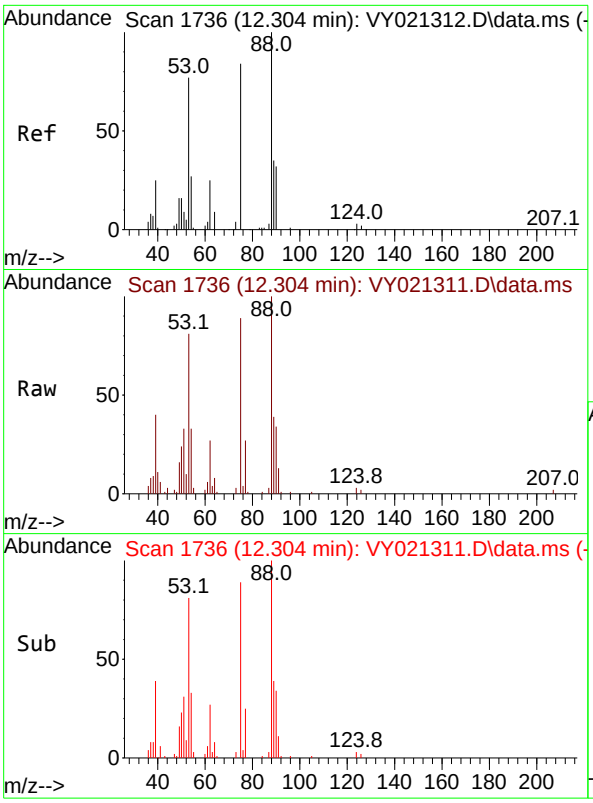


#80
1,3,5-Trimethylbenzene
Concen: 18.635 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 150004

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.3	73.0



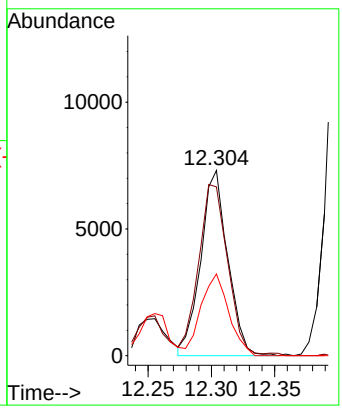


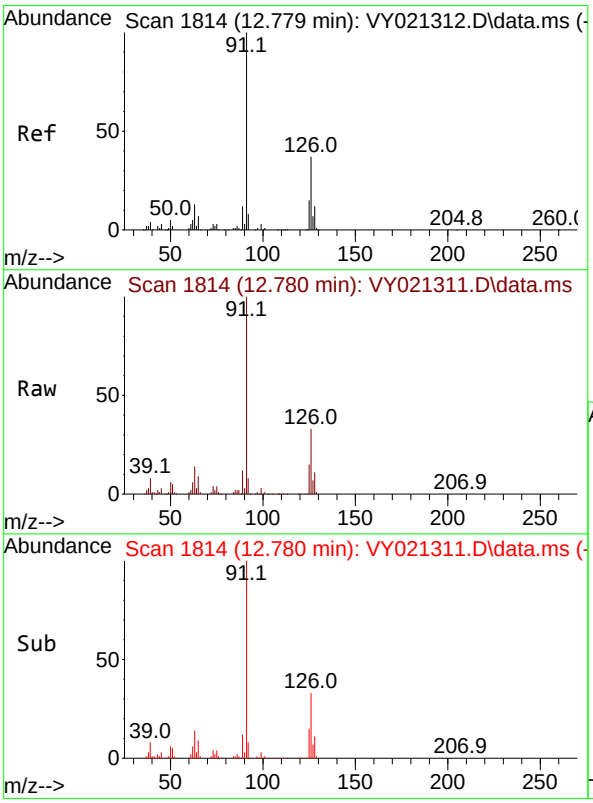
#81
trans-1,4-Dichloro-2-butene
Concen: 18.483 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 10866

Ion	Ratio	Lower	Upper
75	100		
53	100.2	79.1	118.7
89	44.9	35.6	53.4

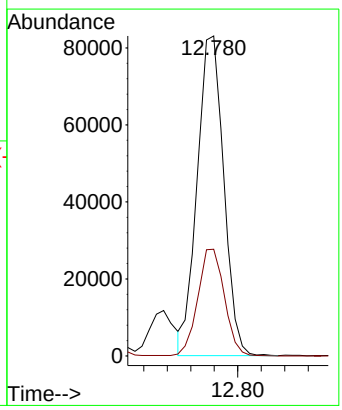


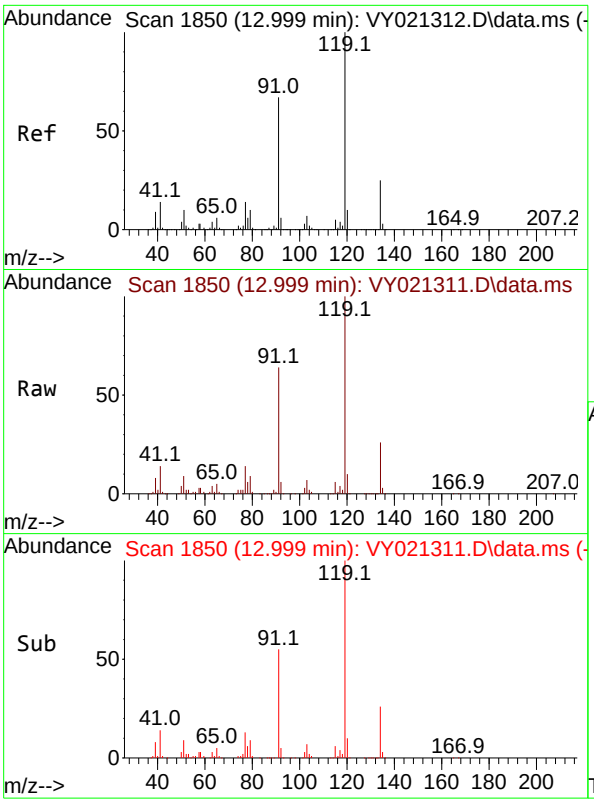


#82
4-Chlorotoluene
Concen: 18.396 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 91 Resp: 130335

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



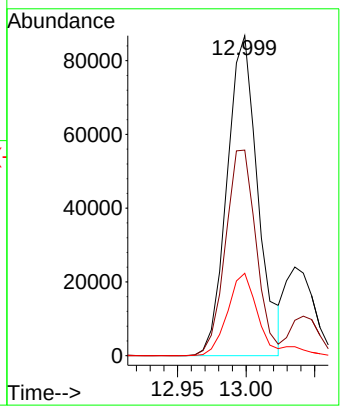


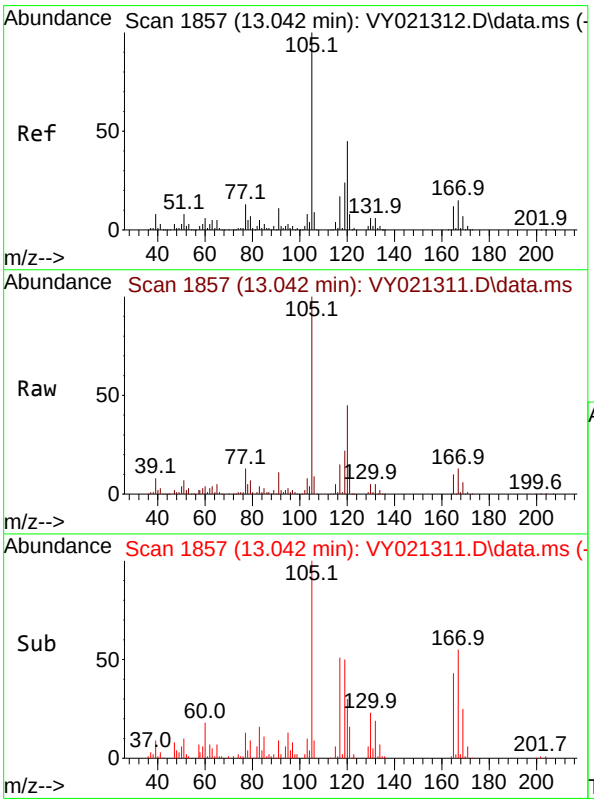
#83
tert-Butylbenzene
Concen: 18.681 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 135829

Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.7	98.1
134	26.8	13.3	39.9

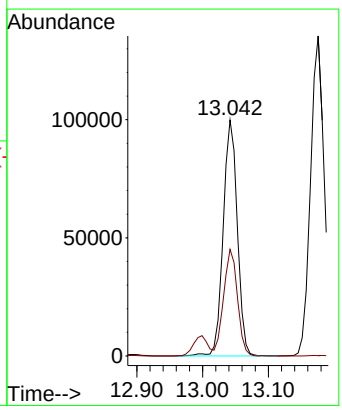


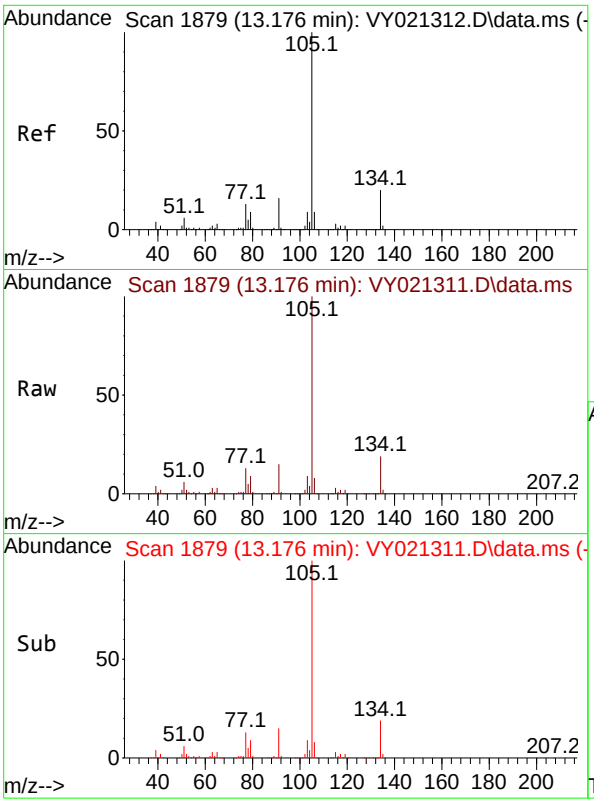


#84
1,2,4-Trimethylbenzene
Concen: 18.657 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:105 Resp: 149358

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.4	67.3



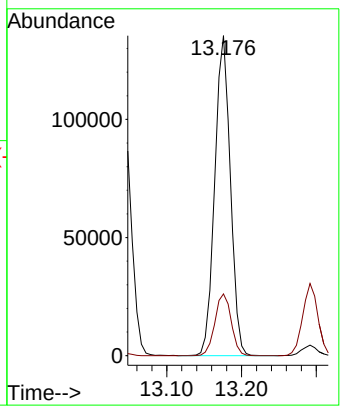


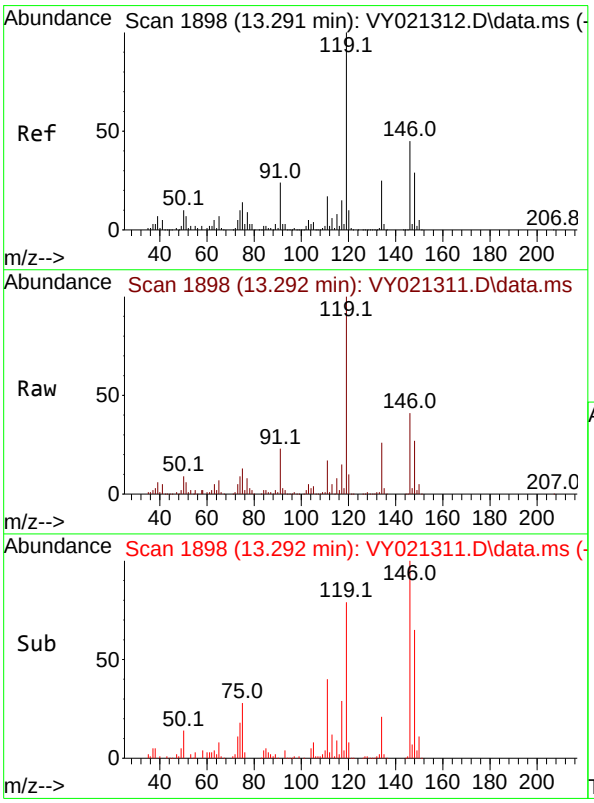
#85
sec-Butylbenzene
Concen: 18.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 196335

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

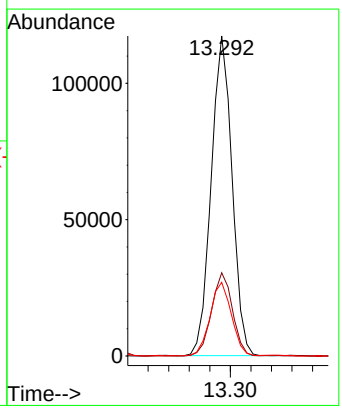


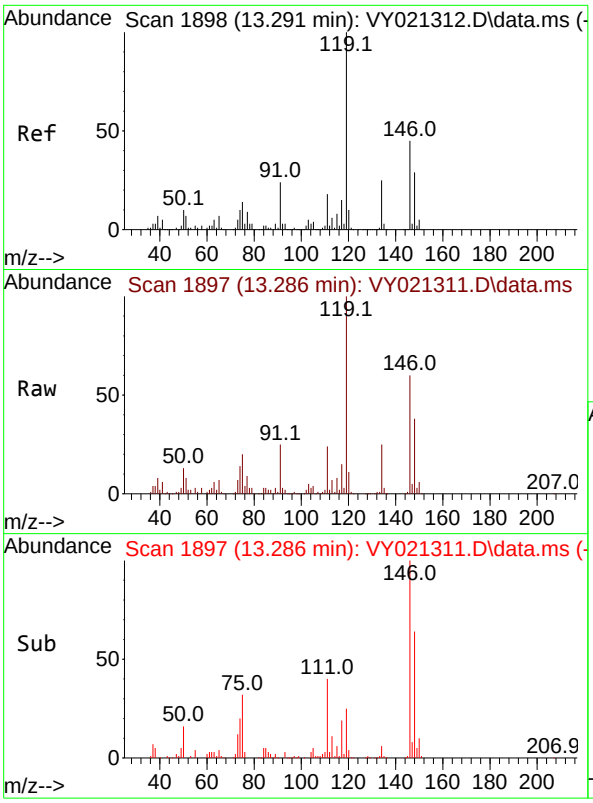


#86
p-Isopropyltoluene
Concen: 18.620 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:119 Resp: 165127

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	38.9
91	23.5	12.0	36.1



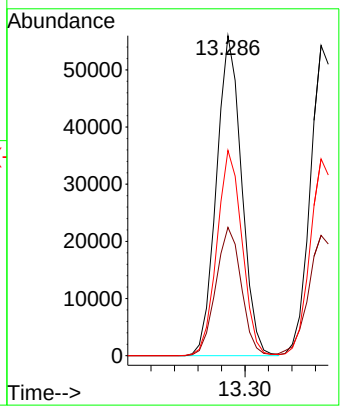


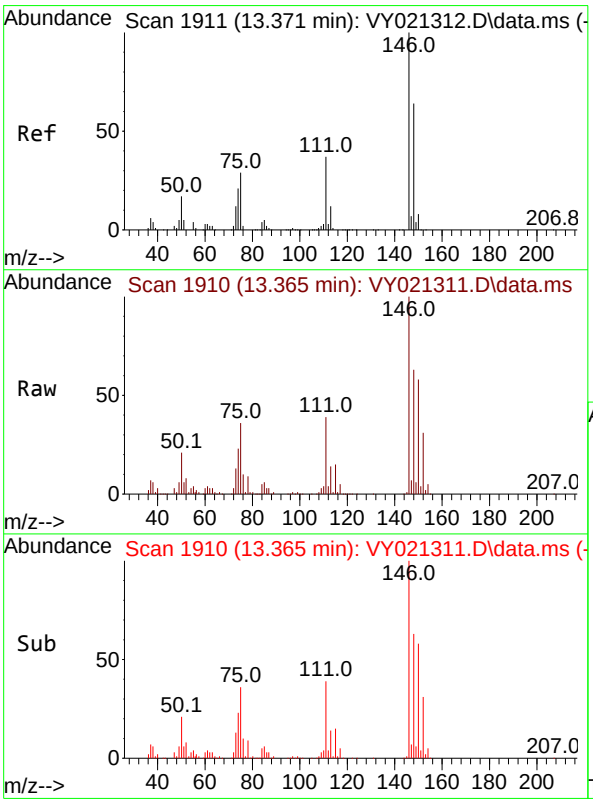
#87
1,3-Dichlorobenzene
Concen: 18.483 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 83463

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	64.0	31.9	95.9

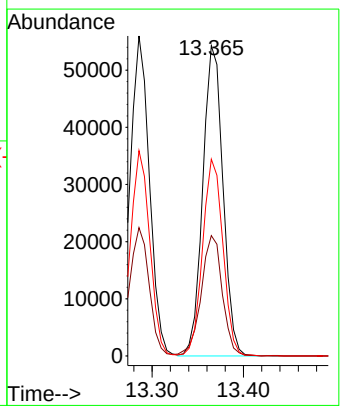


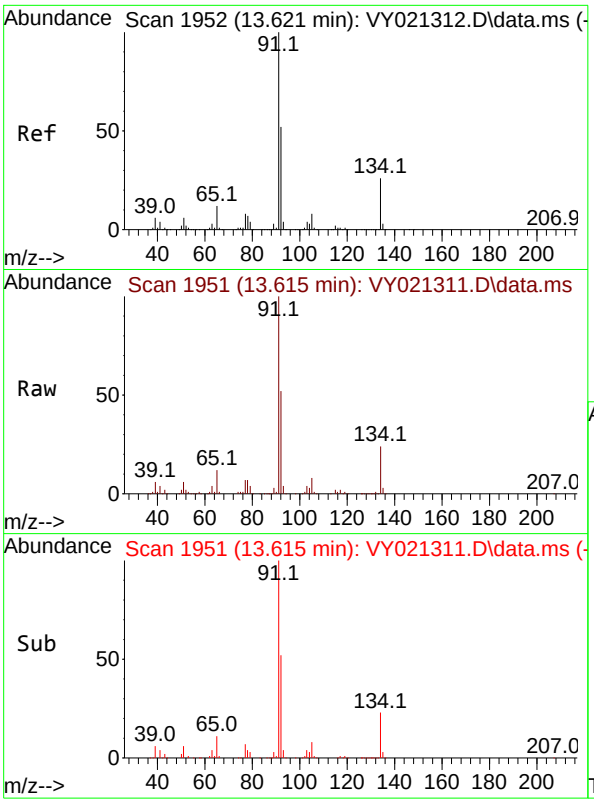


#88
1,4-Dichlorobenzene
Concen: 18.646 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:146 Resp: 83179

Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.5	58.5
148	63.9	32.0	96.2



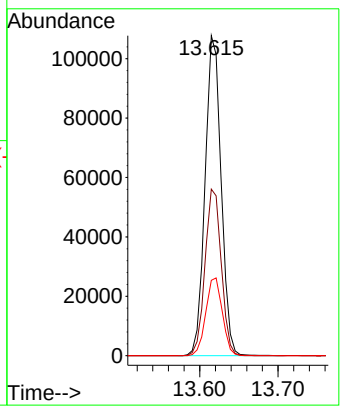


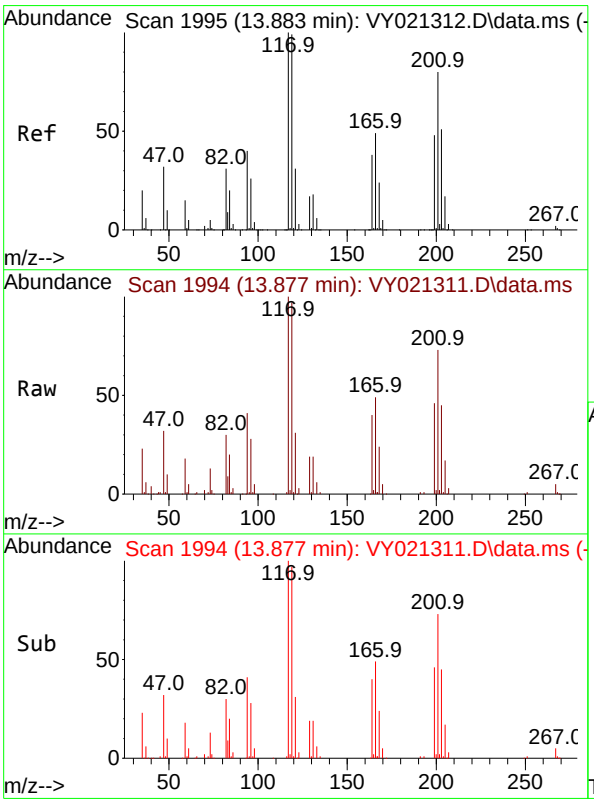
#89
n-Butylbenzene
Concen: 18.337 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 153032

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	25.0	12.7	38.0

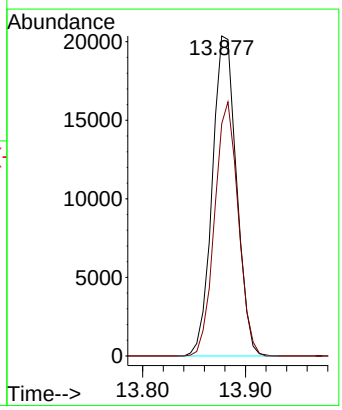


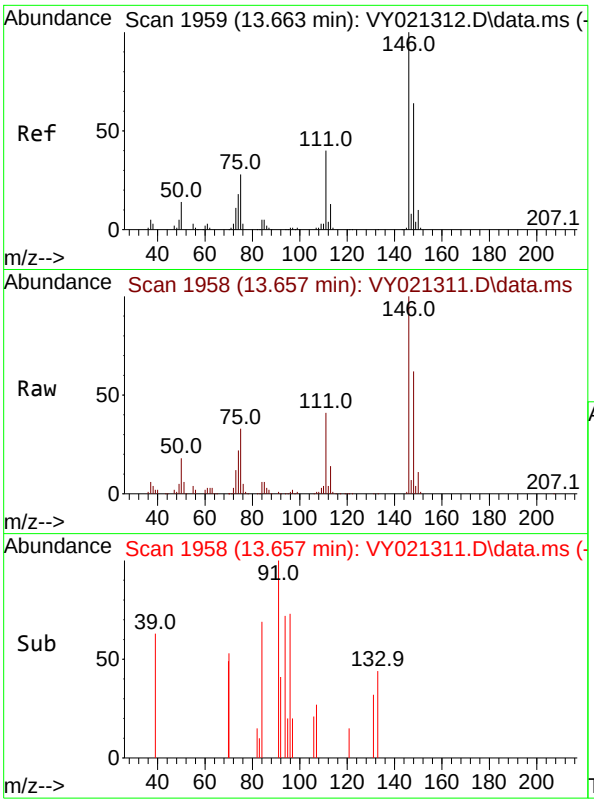


#90
Hexachloroethane
Concen: 17.998 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:117 Resp: 33341

Ion	Ratio	Lower	Upper
117	100		
201	77.3	38.4	115.2



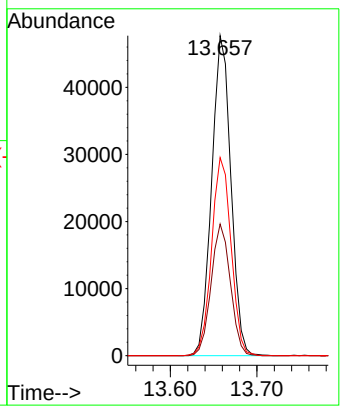


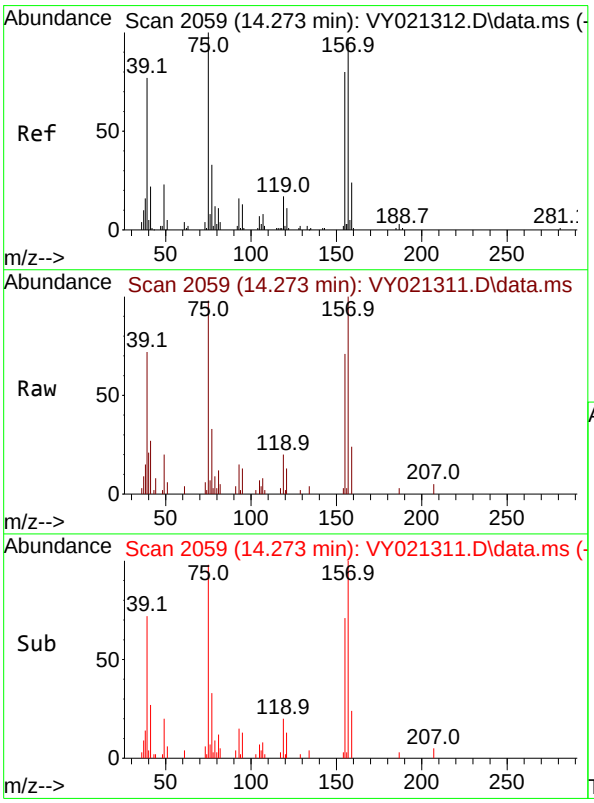
#91
1,2-Dichlorobenzene
Concen: 18.581 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 73513

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	62.8	31.7	95.1

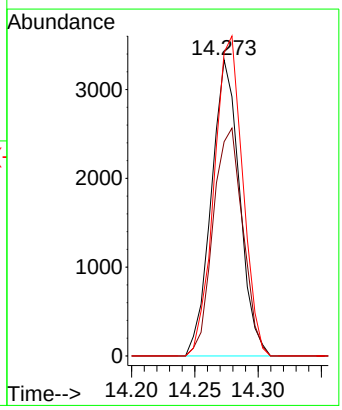


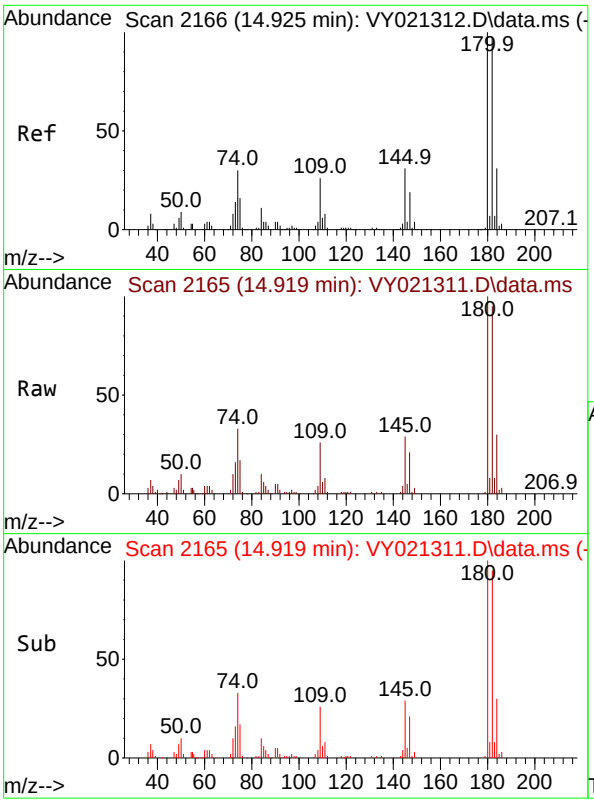


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.908 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion: 75 Resp: 5181

Ion	Ratio	Lower	Upper
75	100		
155	81.2	41.9	125.6
157	109.0	52.5	157.6



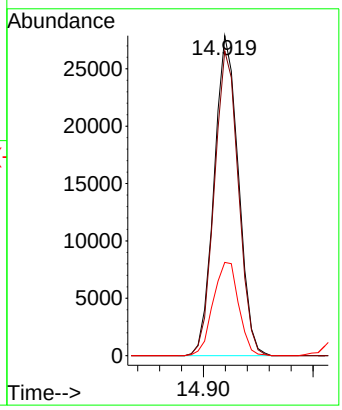


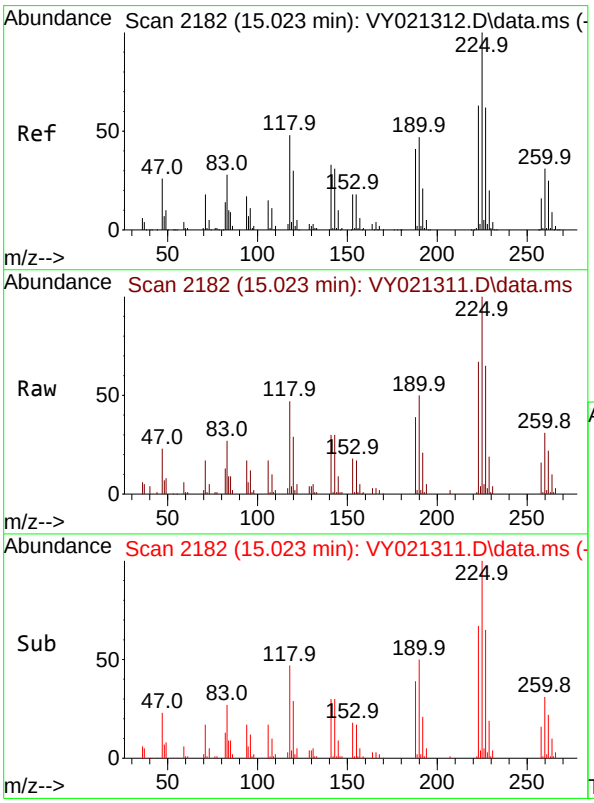
#93
1,2,4-Trichlorobenzene
Concen: 17.770 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 42908

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	30.7	15.6	46.8

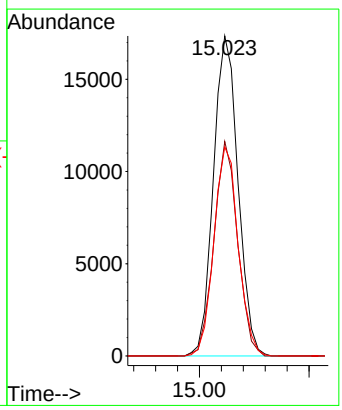


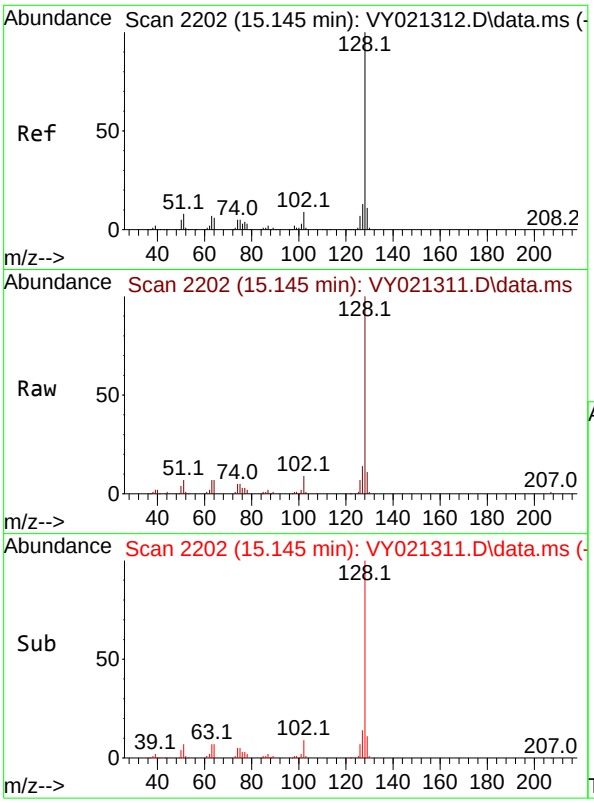


#94
Hexachlorobutadiene
Concen: 17.771 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:225 Resp: 27015

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.8	95.4
227	64.7	31.9	95.7



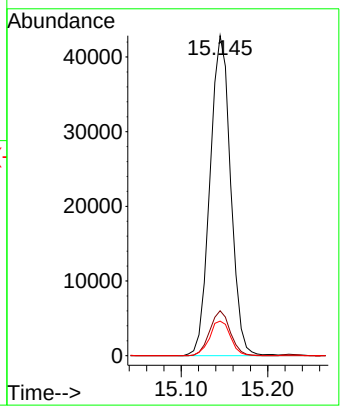


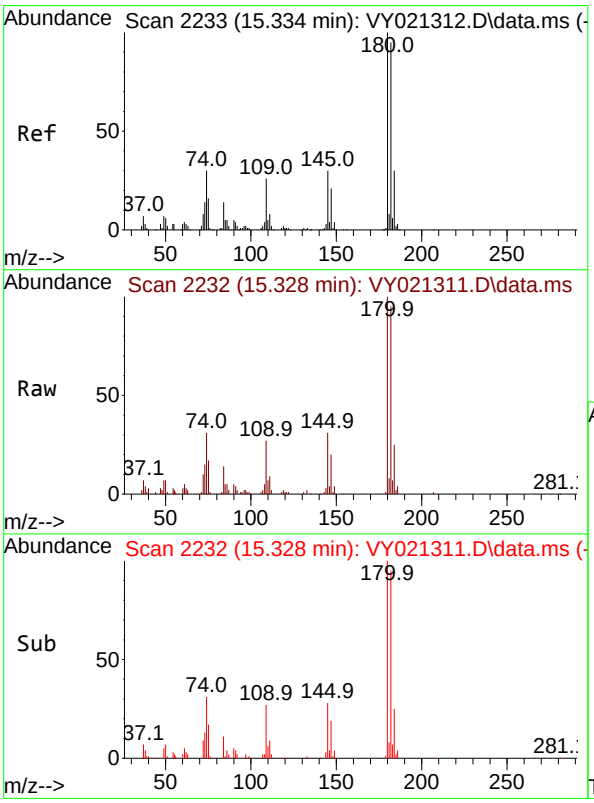
#95
Naphthalene
Concen: 17.763 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 71044

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	10.9	8.5	12.7

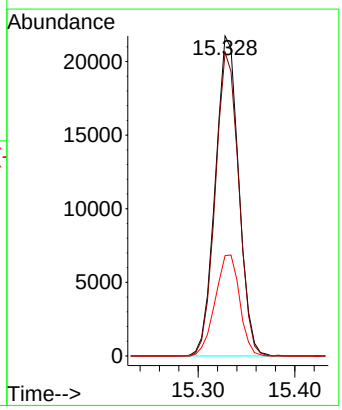




#96
1,2,3-Trichlorobenzene
Concen: 17.871 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021311.D
Acq: 25 Feb 2025 13:26

Tgt Ion:180 Resp: 36460

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.9
145	32.9	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	175365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	272563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	239724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96694	48.606	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.220%			
35) Dibromofluoromethane	7.634	113	88513	49.533	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.060%			
50) Toluene-d8	10.103	98	340929	49.367	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.740%			
62) 4-Bromofluorobenzene	12.408	95	115401	49.652	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86387	51.957	ug/l	100
3) Chloromethane	2.068	50	105626	49.191	ug/l	100
4) Vinyl Chloride	2.202	62	109961	52.173	ug/l	100
5) Bromomethane	2.592	94	67780	48.395	ug/l	100
6) Chloroethane	2.732	64	68323	52.276	ug/l	100
7) Trichlorofluoromethane	3.056	101	164215	51.592	ug/l	100
8) Diethyl Ether	3.452	74	50185	52.532	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	94197	51.116	ug/l	100
10) Methyl Iodide	4.007	142	111673	57.600	ug/l	100
11) Tert butyl alcohol	4.854	59	35300	230.691	ug/l	100
12) 1,1-Dichloroethene	3.787	96	90388	51.226	ug/l	100
13) Acrolein	3.647	56	5860	49.975	ug/l	100
14) Allyl chloride	4.385	41	162419	51.918	ug/l	100
15) Acrylonitrile	5.055	53	111677	264.397	ug/l	100
16) Acetone	3.866	43	111923	293.294	ug/l	100
17) Carbon Disulfide	4.104	76	304042	51.892	ug/l	100
18) Methyl Acetate	4.385	43	48368	51.864	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	247280	53.043	ug/l	100
20) Methylene Chloride	4.610	84	102592	49.716	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	100568	51.774	ug/l	100
22) Diisopropyl ether	6.012	45	343920	53.126	ug/l	100
23) Vinyl Acetate	5.957	43	1041767	269.294	ug/l	100
24) 1,1-Dichloroethane	5.915	63	189943	52.057	ug/l	100
25) 2-Butanone	6.890	43	160248	278.240	ug/l	100
26) 2,2-Dichloropropane	6.884	77	170469	51.489	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	116627	52.579	ug/l	100
28) Bromochloromethane	7.244	49	79678	49.352	ug/l	100
29) Tetrahydrofuran	7.256	42	100417	266.741	ug/l	100
30) Chloroform	7.421	83	191980	51.925	ug/l	100
31) Cyclohexane	7.701	56	173460	49.456	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	172880	51.372	ug/l	100
36) 1,1-Dichloropropene	7.835	75	140574	52.371	ug/l	100
37) Ethyl Acetate	6.982	43	70184	52.565	ug/l	100
38) Carbon Tetrachloride	7.817	117	158319	52.465	ug/l	100
39) Methylcyclohexane	9.109	83	180496	53.165	ug/l	100
40) Benzene	8.079	78	417798	52.655	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	39965	53.535	ug/l		100
42) 1,2-Dichloroethane	8.158	62	118176	52.494	ug/l		100
43) Isopropyl Acetate	8.195	43	139829	54.106	ug/l		100
44) Trichloroethene	8.865	130	104074	52.389	ug/l		100
45) 1,2-Dichloropropane	9.140	63	101166	52.980	ug/l		100
46) Dibromomethane	9.231	93	55365	53.043	ug/l		100
47) Bromodichloromethane	9.420	83	147382	52.957	ug/l		100
48) Methyl methacrylate	9.219	41	67406	55.775	ug/l		100
49) 1,4-Dioxane	9.231	88	12193	1050.591	ug/l		100
51) 4-Methyl-2-Pentanone	9.999	43	364446	275.485	ug/l		100
52) Toluene	10.170	92	263062	53.367	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	140399	55.062	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	161021	53.492	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	72720	53.481	ug/l		100
56) Ethyl methacrylate	10.438	69	106914	56.904	ug/l		100
57) 1,3-Dichloropropane	10.719	76	127795	53.559	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	260718	289.104	ug/l		100
59) 2-Hexanone	10.761	43	249578	287.258	ug/l		100
60) Dibromochloromethane	10.908	129	100250	54.134	ug/l		100
61) 1,2-Dibromoethane	11.018	107	69236	53.783	ug/l		100
64) Tetrachloroethene	10.646	164	93317	51.501	ug/l		100
65) Chlorobenzene	11.444	112	281918	52.390	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	99131	52.611	ug/l		100
67) Ethyl Benzene	11.517	91	510639	53.573	ug/l		100
68) m/p-Xylenes	11.627	106	384346	107.204	ug/l		100
69) o-Xylene	11.956	106	181728	54.108	ug/l		100
70) Styrene	11.969	104	306007	54.760	ug/l		100
71) Bromoform	12.133	173	58860	54.605	ug/l		100
73) Isopropylbenzene	12.255	105	483937	52.885	ug/l		100
74) N-amyl acetate	12.072	43	129020	55.471	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	84893	52.566	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	112709	91.951	ug/l	#	100
77) Bromobenzene	12.529	156	110538	51.935	ug/l		100
78) n-propylbenzene	12.596	91	587915	52.946	ug/l		100
79) 2-Chlorotoluene	12.682	91	330472	51.857	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	395609	52.712	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	29649	54.090	ug/l		100
82) 4-Chlorotoluene	12.779	91	342611	51.864	ug/l		100
83) tert-Butylbenzene	12.999	119	352055	51.930	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	395315	52.962	ug/l		100
85) sec-Butylbenzene	13.176	105	518094	52.319	ug/l		100
86) p-Isopropyltoluene	13.291	119	437283	52.884	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	218136	51.811	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	213090	51.233	ug/l		100
89) n-Butylbenzene	13.621	91	416377	53.510	ug/l		100
90) Hexachloroethane	13.883	117	87765	50.814	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	191758	51.985	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13782	53.947	ug/l		100
93) 1,2,4-Trichlorobenzene	14.925	180	117882	52.360	ug/l		100
94) Hexachlorobutadiene	15.023	225	71915	50.738	ug/l		100
95) Naphthalene	15.145	128	209478	56.174	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	100312	52.735	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

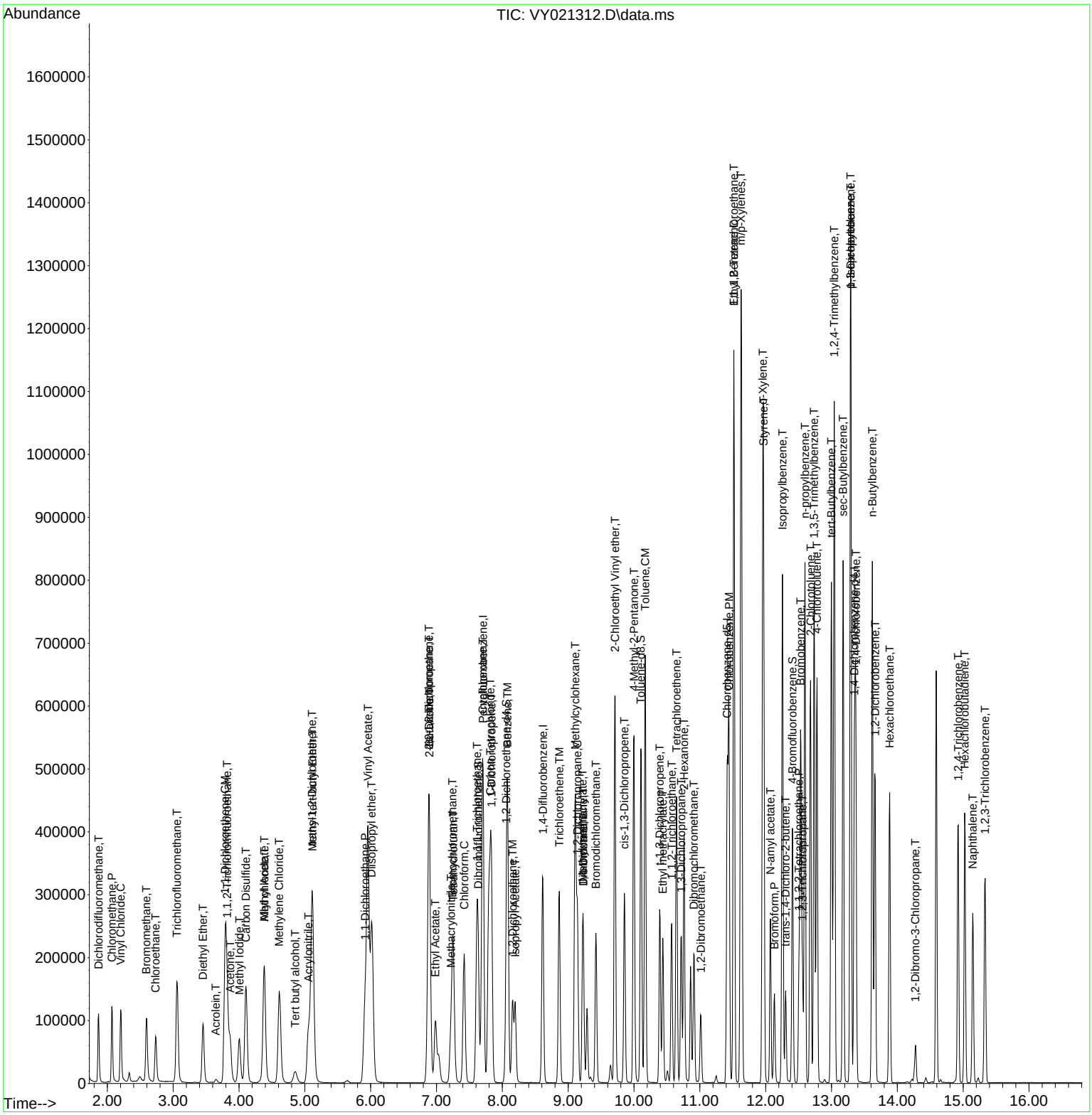
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

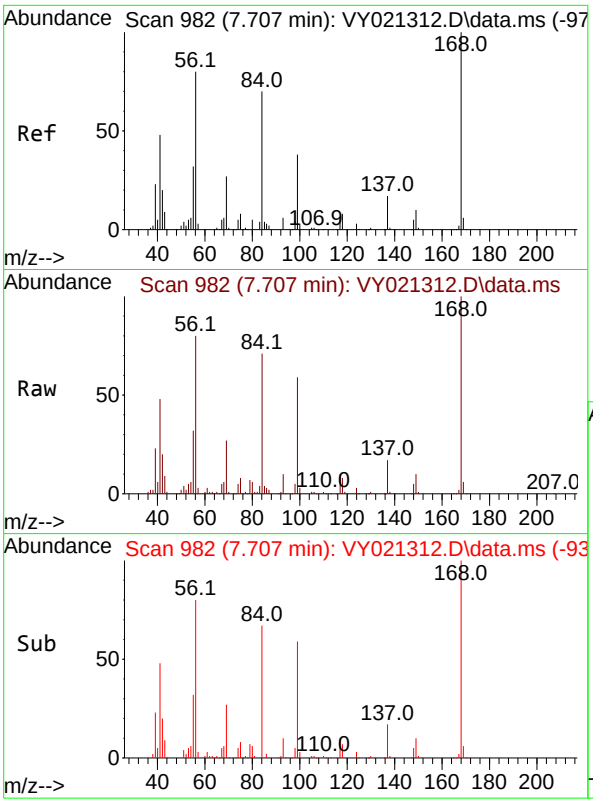
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021312.D
Acq On : 25 Feb 2025 14:48
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Feb 26 01:45:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



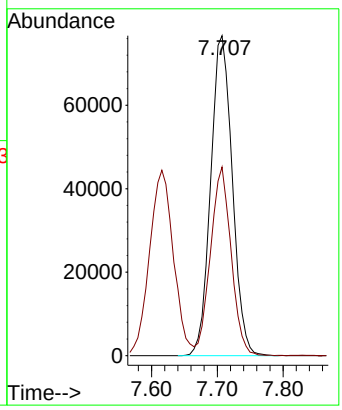


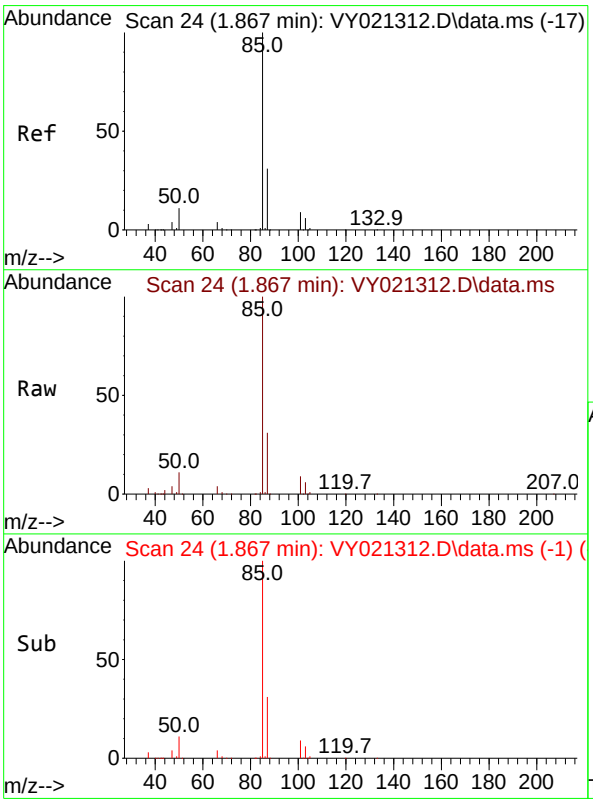
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 175365

Ion	Ratio	Lower	Upper
168	100		
99	58.9	47.1	70.7

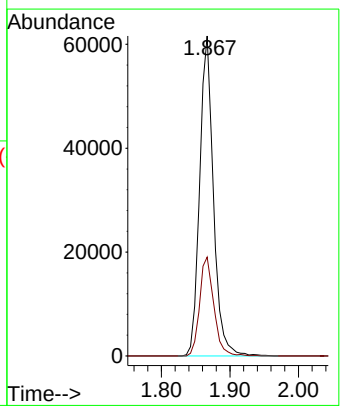


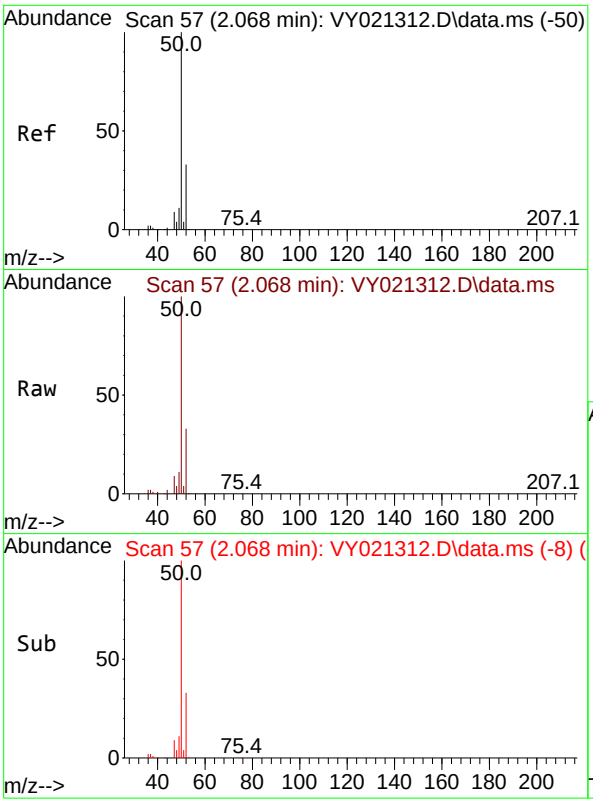


#2
Dichlorodifluoromethane
Concen: 51.957 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 85 Resp: 86387

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.4



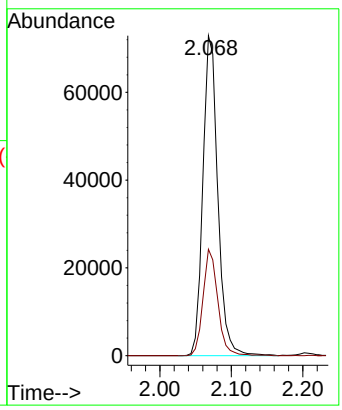


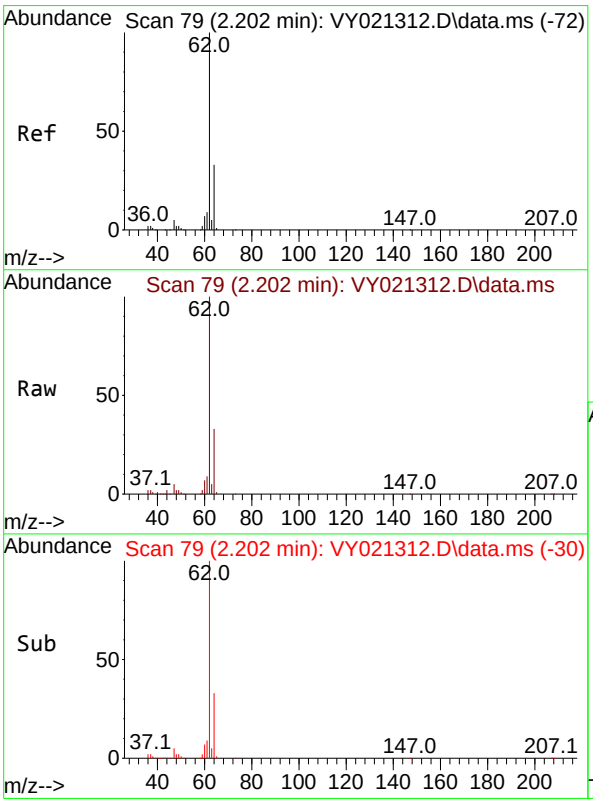
#3
Chloromethane
Concen: 49.191 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 105626

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0

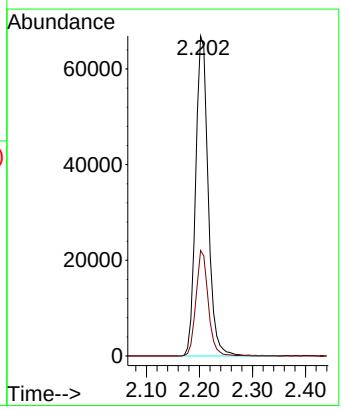


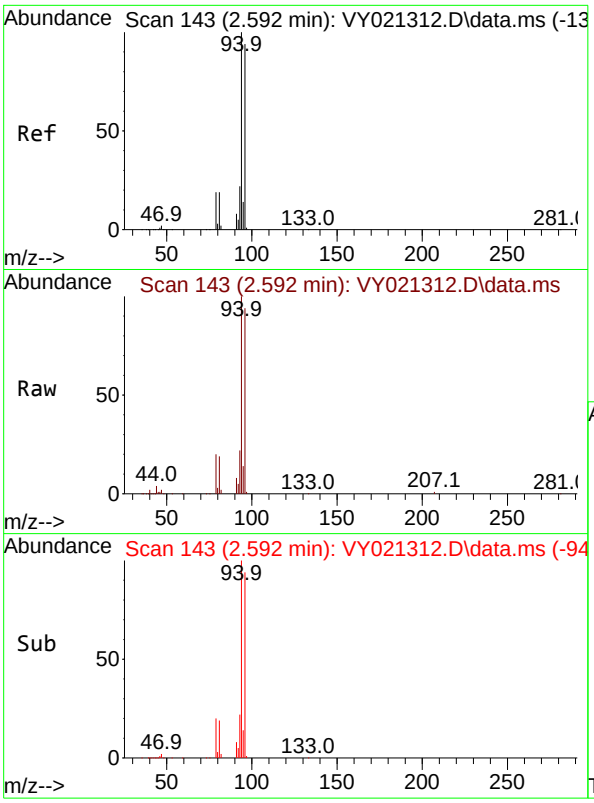


#4
Vinyl Chloride
Concen: 52.173 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 109961

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.3	39.5



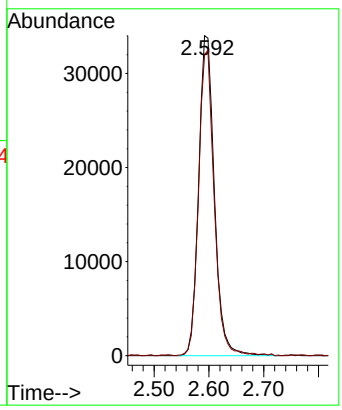


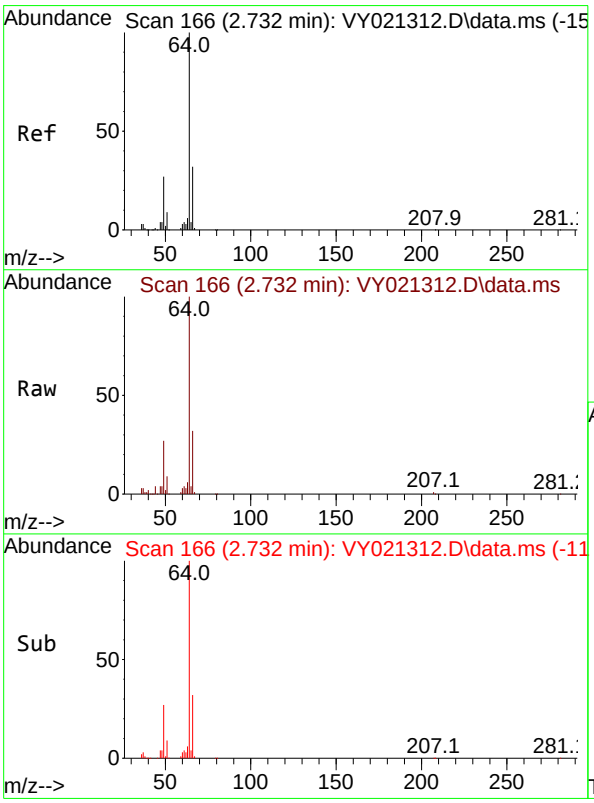
#5
Bromomethane
Concen: 48.395 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 67780

Ion	Ratio	Lower	Upper
94	100		
96	94.0	75.2	112.8

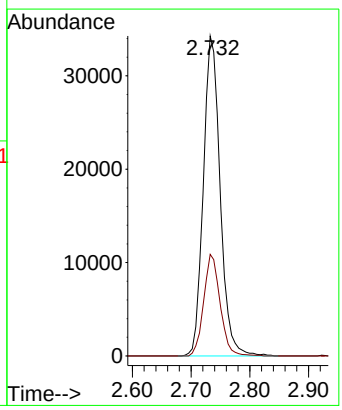


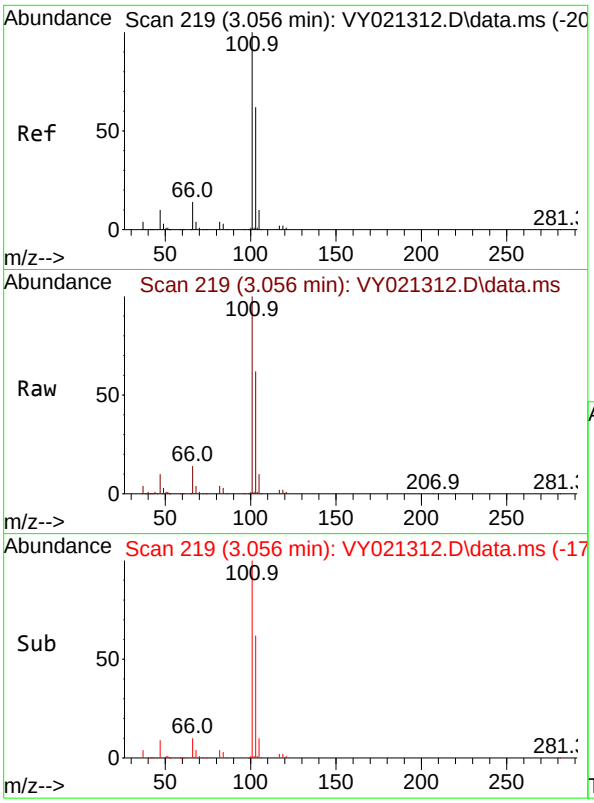


#6
Chloroethane
Concen: 52.276 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 64 Resp: 68323

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.4	38.0



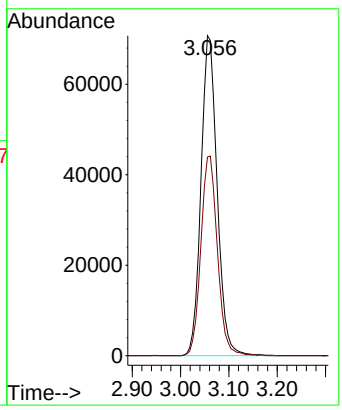


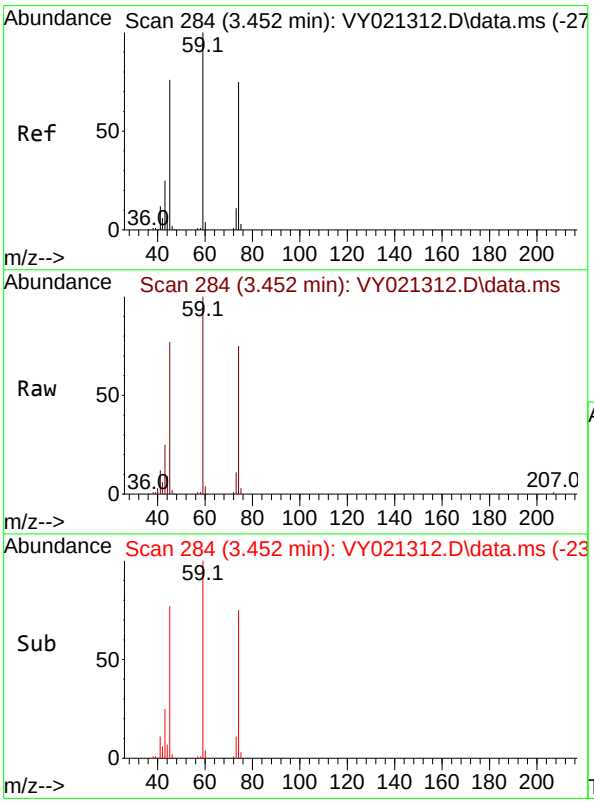
#7
Trichlorofluoromethane
Concen: 51.592 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 164215

Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.7	74.5

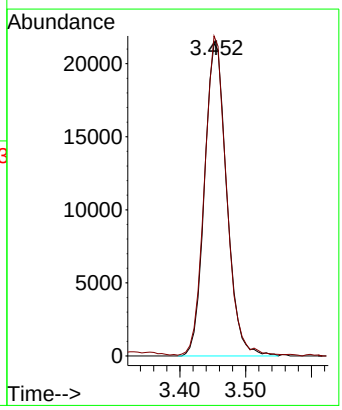


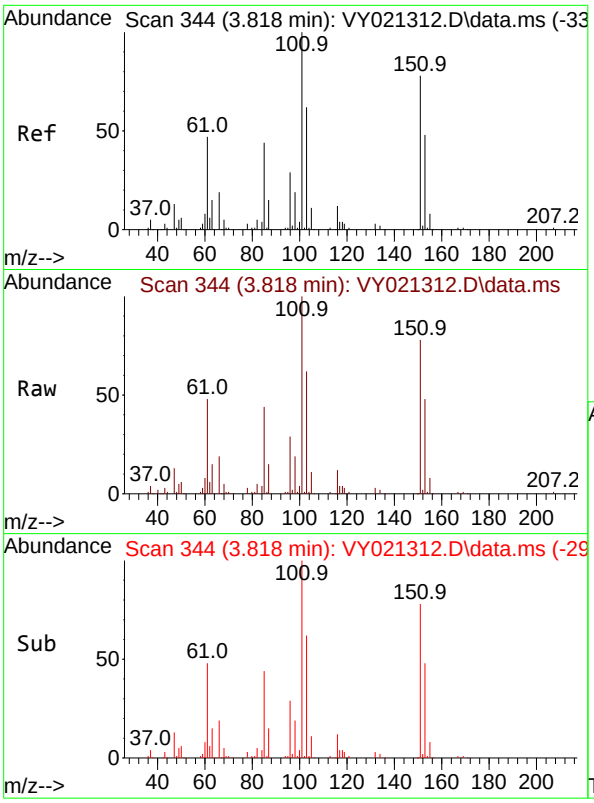


#8
Diethyl Ether
Concen: 52.532 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 74 Resp: 50185

Ion	Ratio	Lower	Upper
74	100		
45	100.6	50.3	150.9



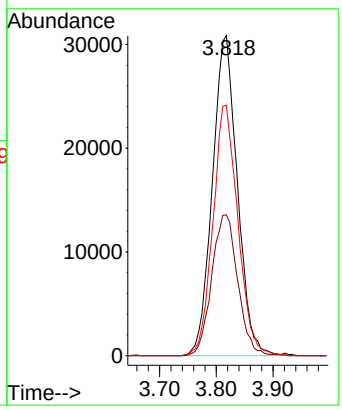


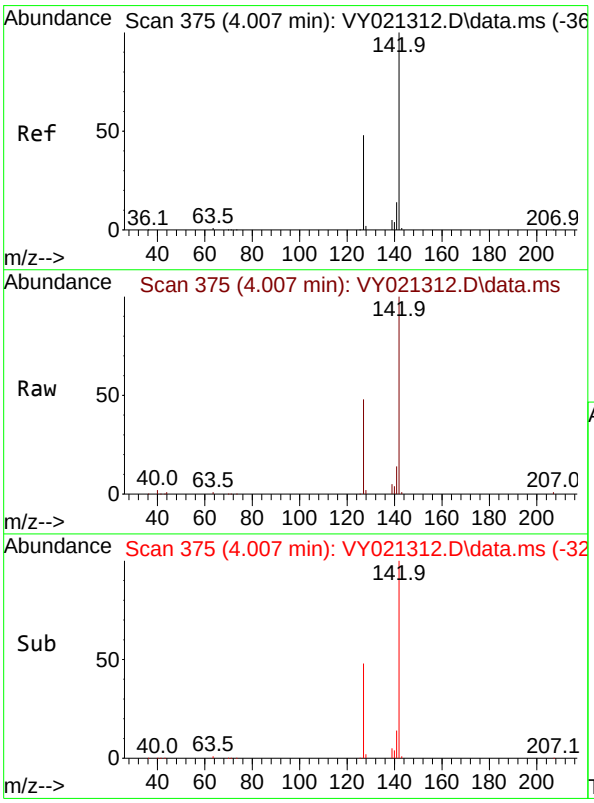
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.116 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 94197

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.7	55.1
151	78.3	62.6	94.0

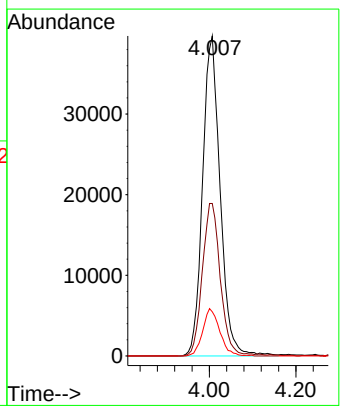


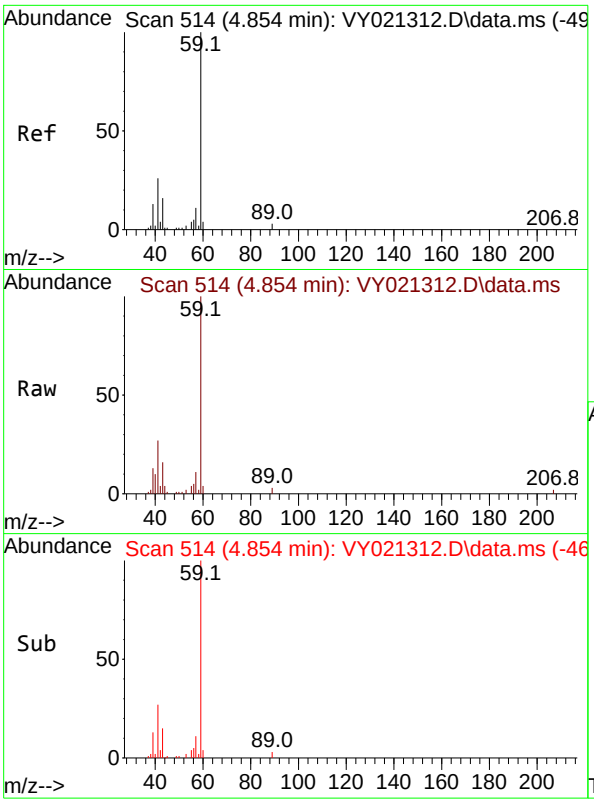


#10
Methyl Iodide
Concen: 57.600 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:142 Resp: 111673

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.2	58.8
141	14.3	11.4	17.2



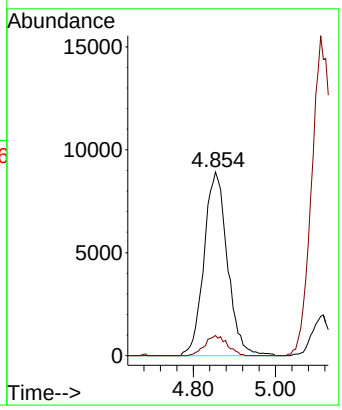


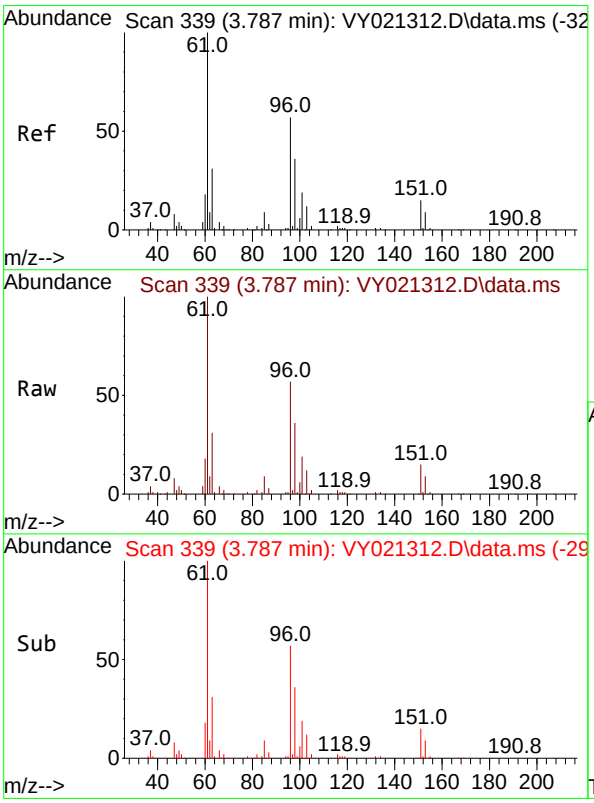
#11
Tert butyl alcohol
Concen: 230.691 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 35300

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

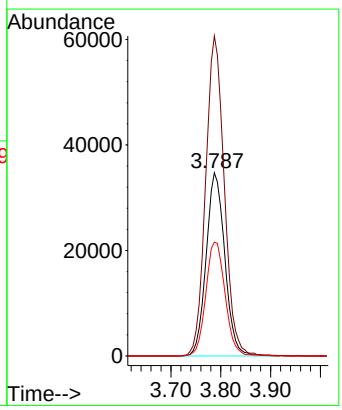


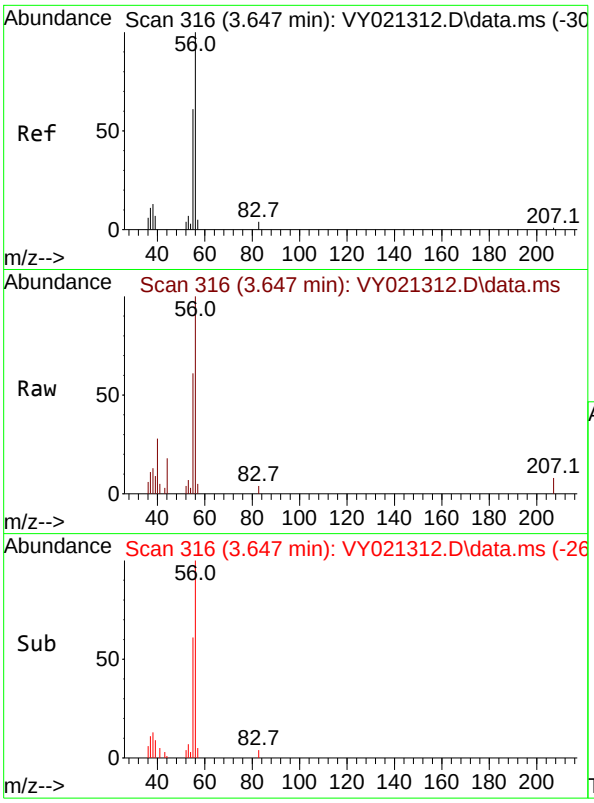


#12
1,1-Dichloroethene
Concen: 51.226 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 96 Resp: 90388

Ion	Ratio	Lower	Upper
96	100		
61	174.6	139.7	209.5
98	62.1	49.7	74.5



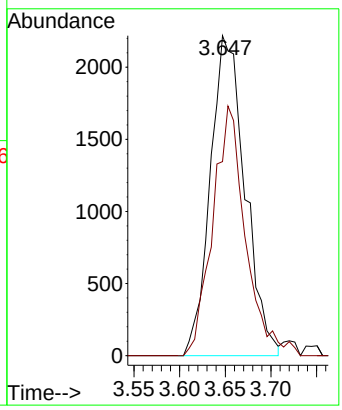


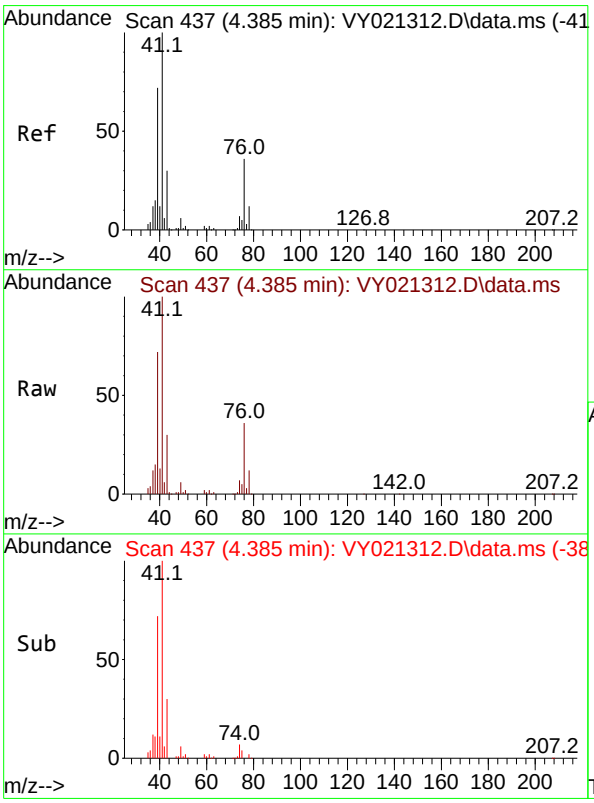
#13
Acrolein
Concen: 49.975 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 5860

Ion	Ratio	Lower	Upper
56	100		
55	73.8	59.0	88.6

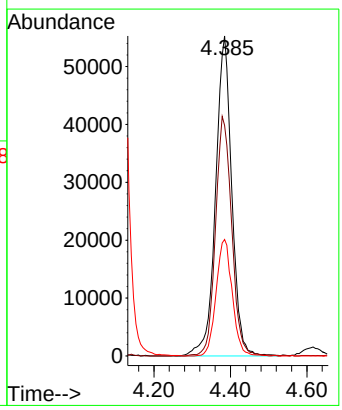


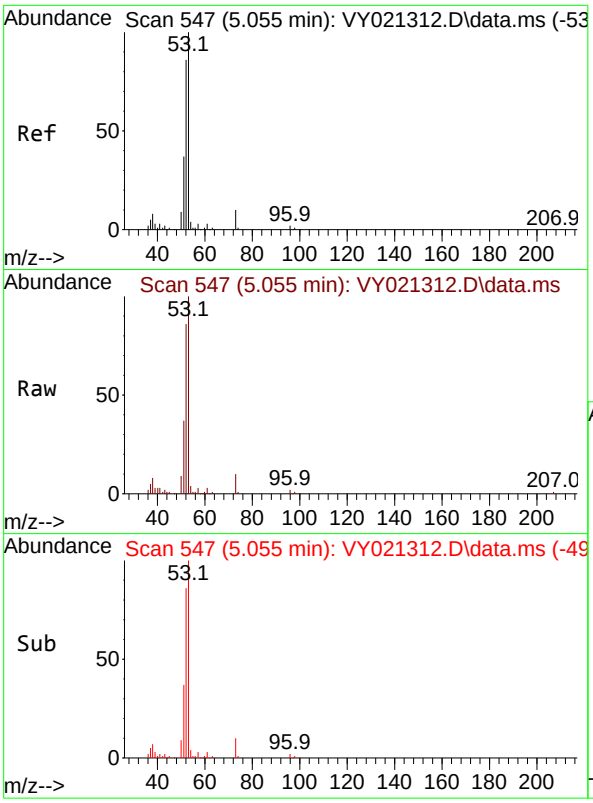


#14
Allyl chloride
Concen: 51.918 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 162419

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.0	90.0
76	36.3	29.0	43.6



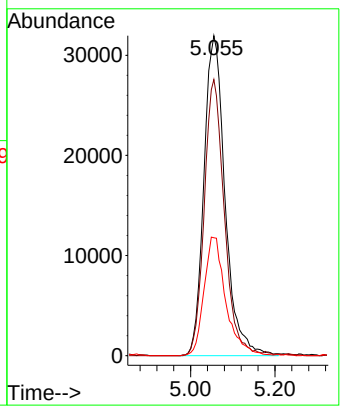


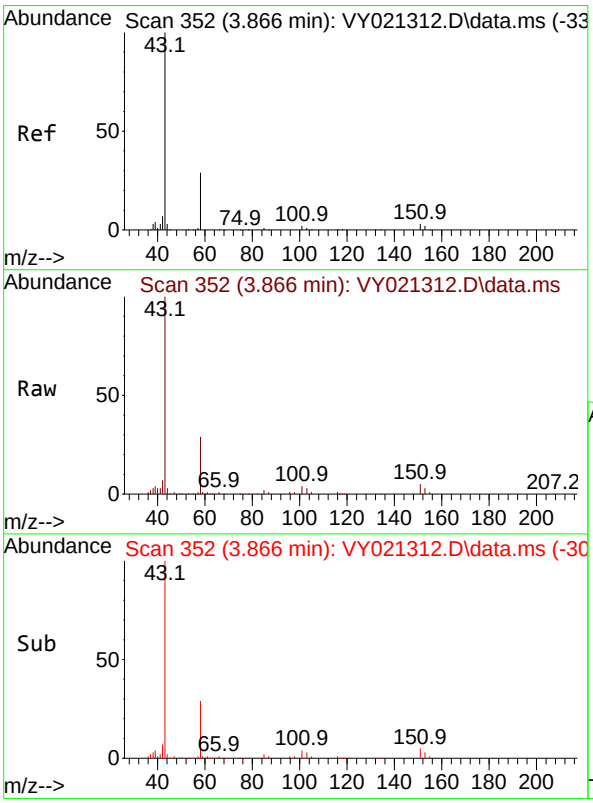
#15
Acrylonitrile
Concen: 264.397 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 111677

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	38.3	30.6	46.0

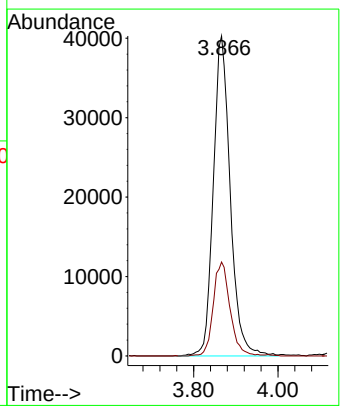


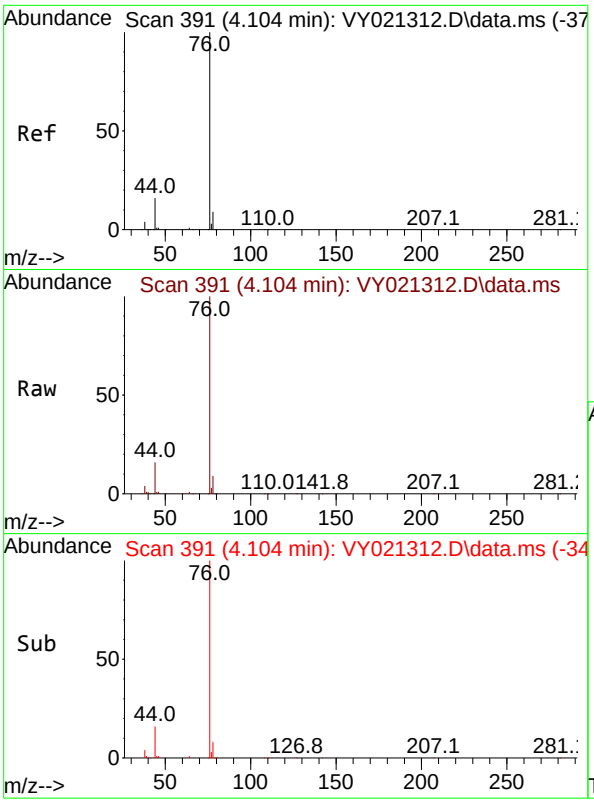


#16
Acetone
Concen: 293.294 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 111923

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.5	35.3



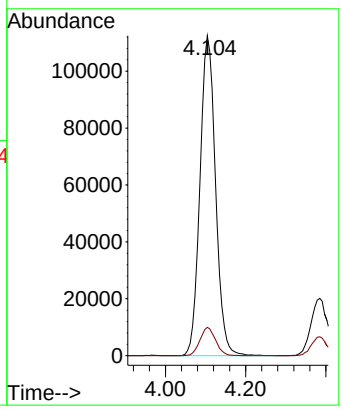


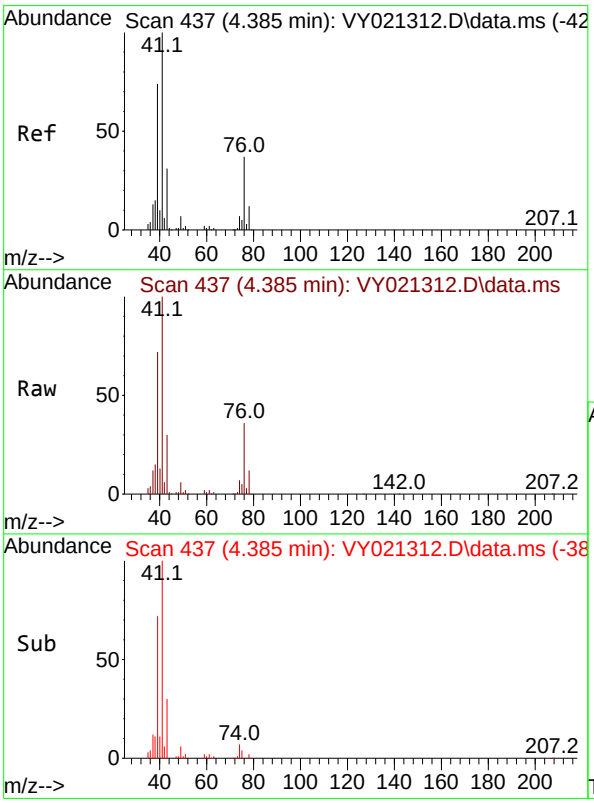
#17
Carbon Disulfide
Concen: 51.892 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 304042

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

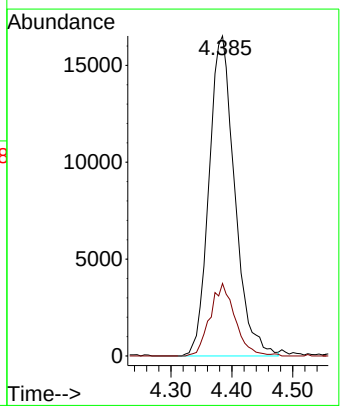


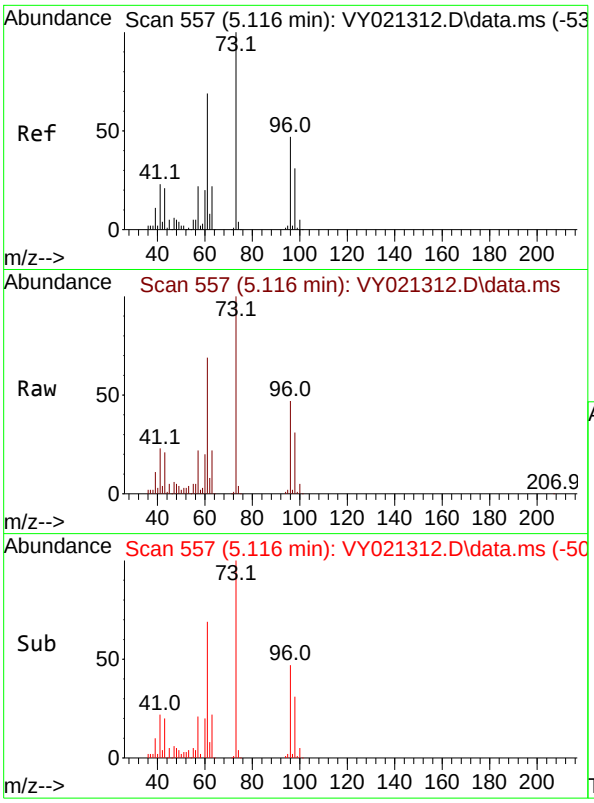


#18
Methyl Acetate
Concen: 51.864 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 48368

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.7	26.5



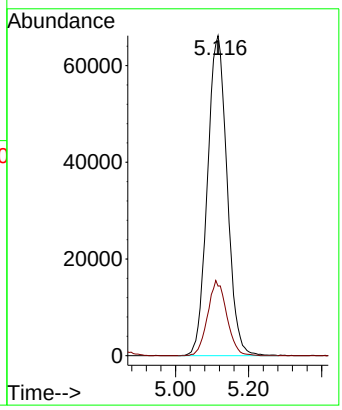


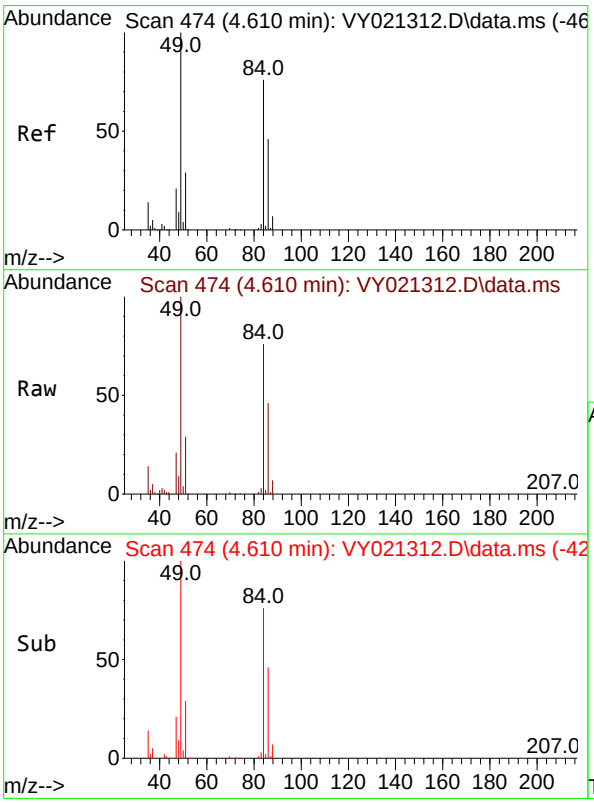
#19
Methyl tert-butyl Ether
Concen: 53.043 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 247280

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0

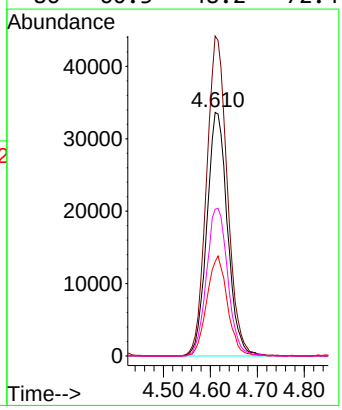


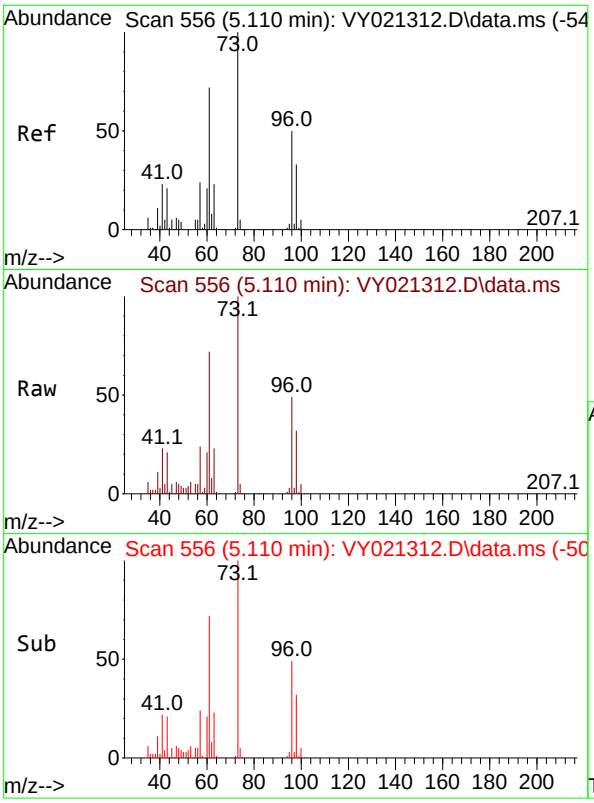


#20
Methylene Chloride
Concen: 49.716 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 84 Resp: 102592

Ion	Ratio	Lower	Upper
84	100		
49	131.4	105.1	157.7
51	38.7	31.0	46.4
86	60.3	48.2	72.4



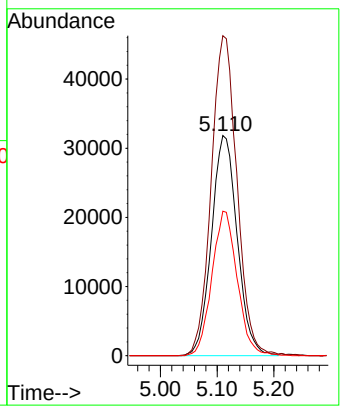


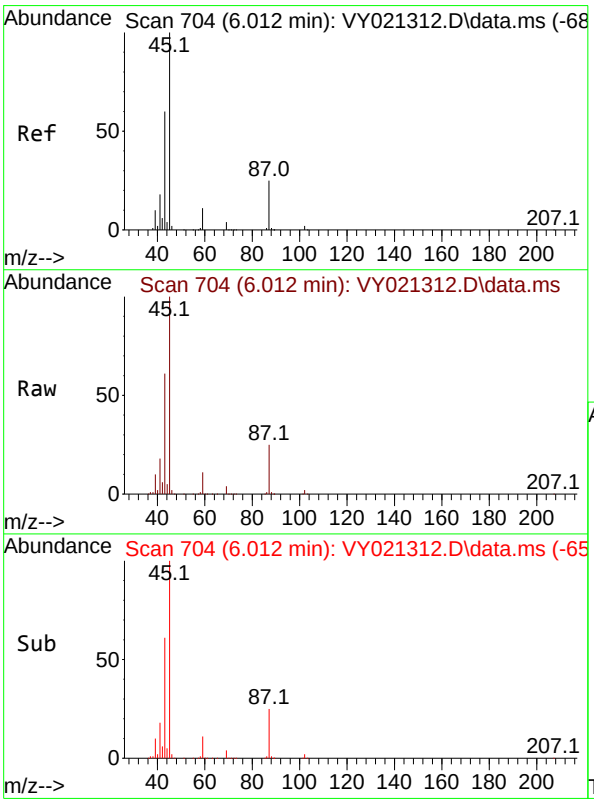
#21
trans-1,2-Dichloroethene
Concen: 51.774 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 100568

Ion	Ratio	Lower	Upper
96	100		
61	145.4	116.3	174.5
98	65.7	52.6	78.8

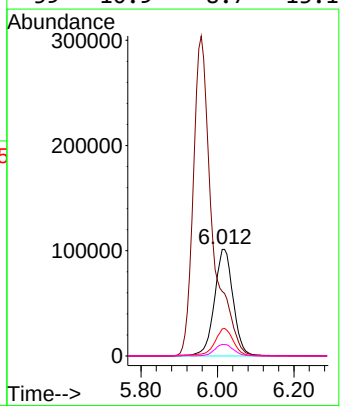


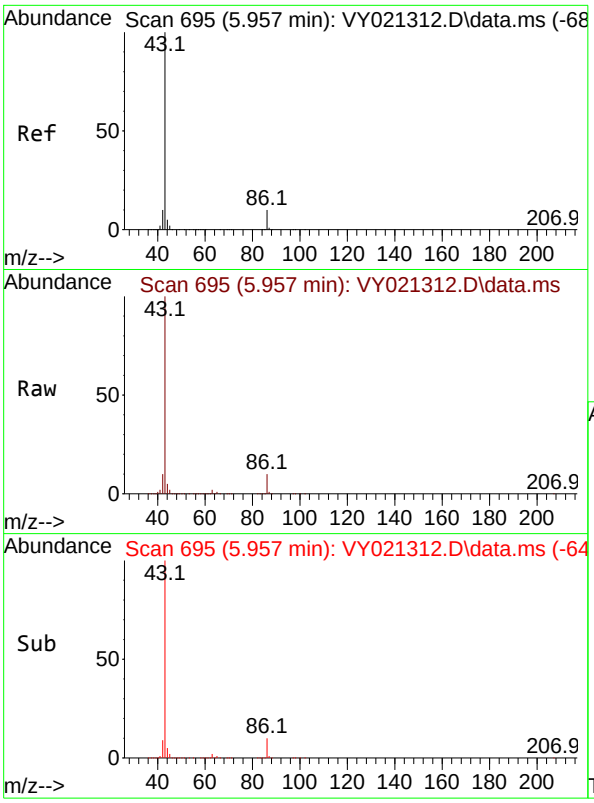


#22
Diisopropyl ether
Concen: 53.126 ug/l
RT: 6.012 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 45 Resp: 343920

Ion	Ratio	Lower	Upper
45	100		
43	60.3	48.2	72.4
87	25.4	20.3	30.5
59	10.9	8.7	13.1



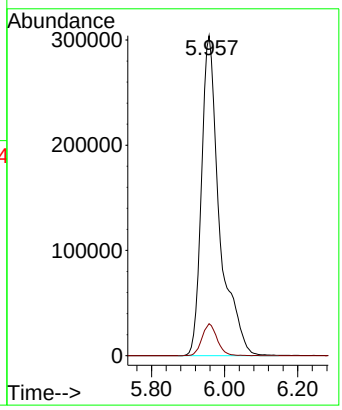


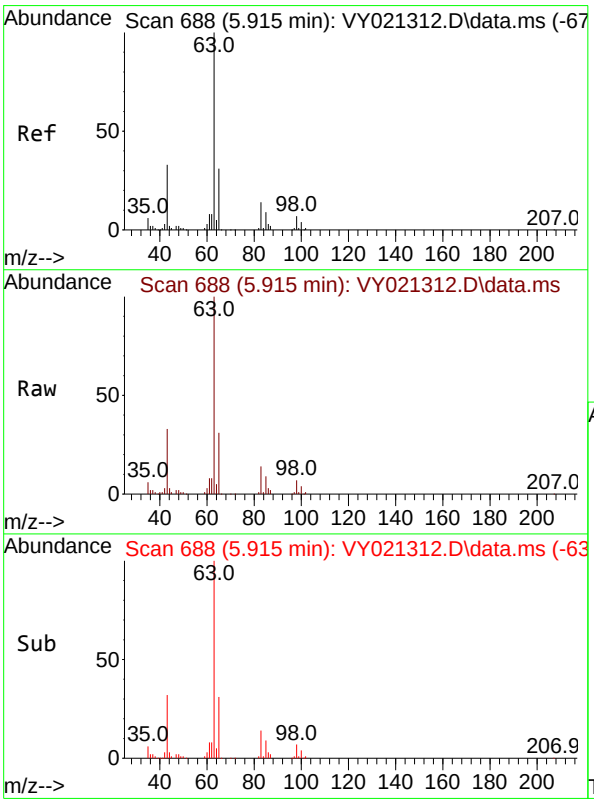
#23
Vinyl Acetate
Concen: 269.294 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1041767

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0

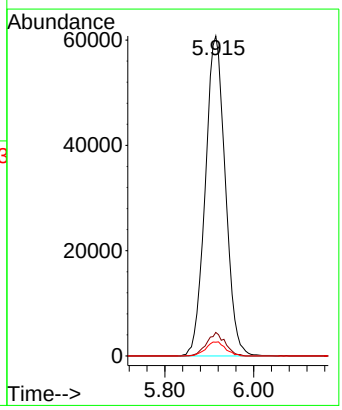


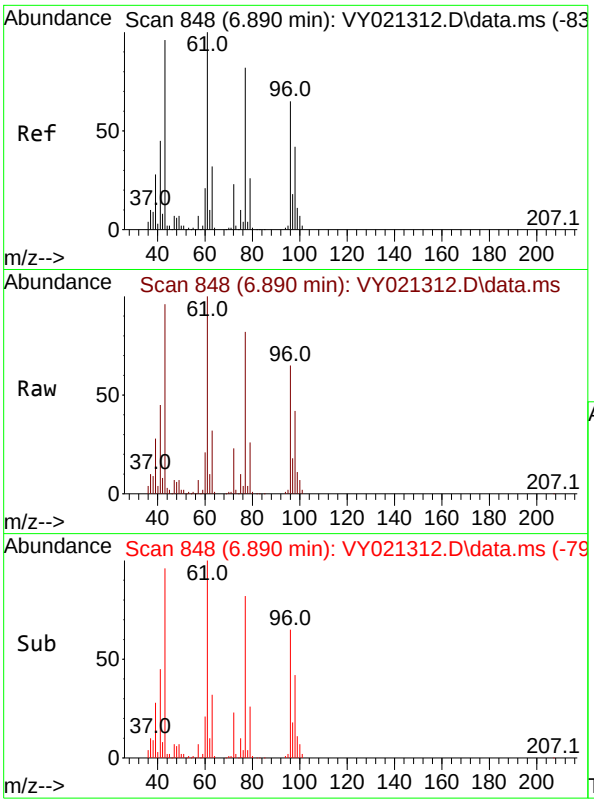


#24
1,1-Dichloroethane
Concen: 52.057 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 189943

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.3	2.1	6.5



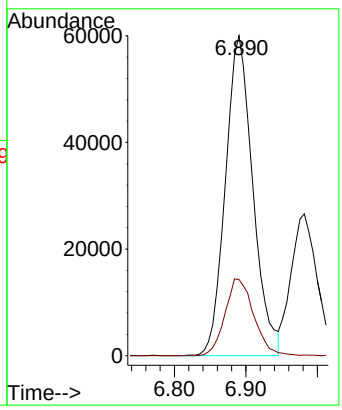


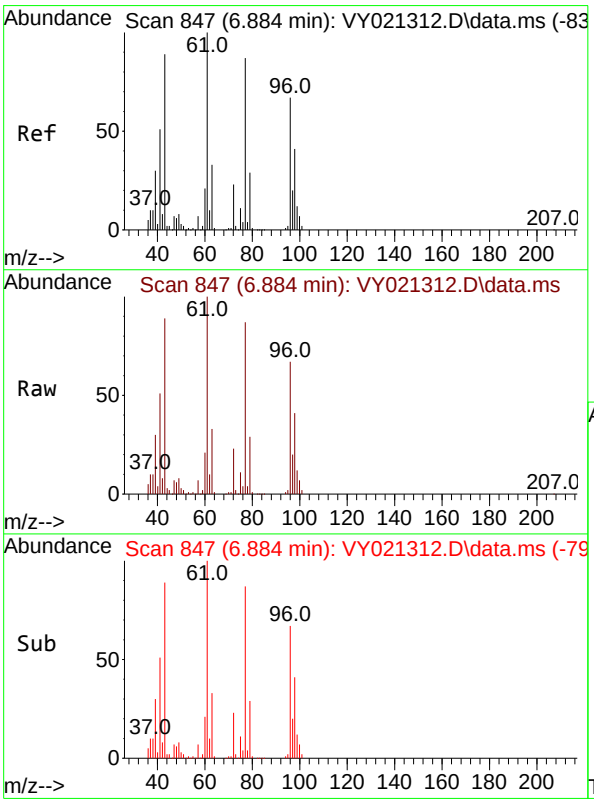
#25
2-Butanone
Concen: 278.240 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 160248

Ion	Ratio	Lower	Upper
43	100		
72	23.8	19.0	28.6

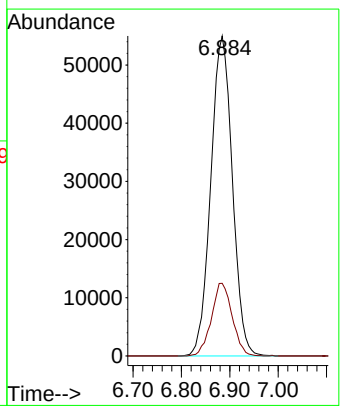


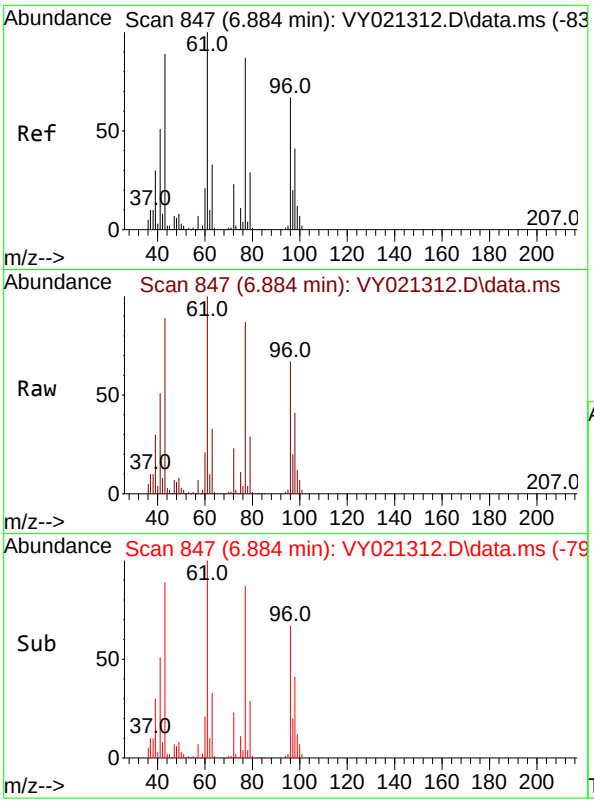


#26
2,2-Dichloropropane
Concen: 51.489 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 77 Resp: 170469

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7



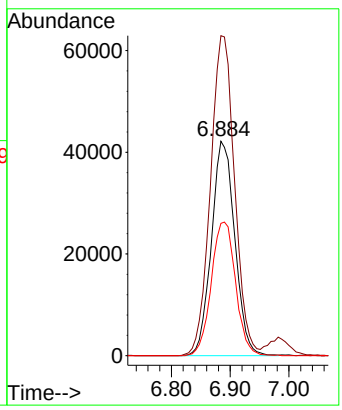


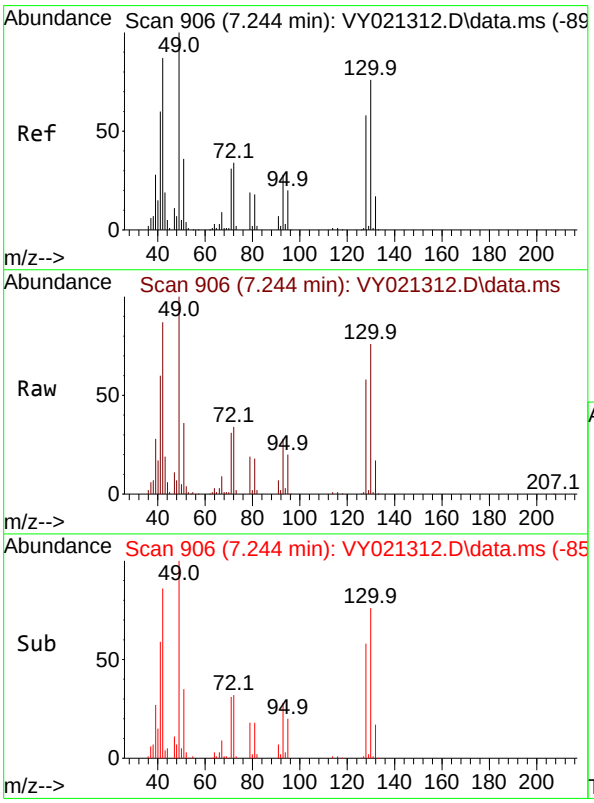
#27
cis-1,2-Dichloroethene
Concen: 52.579 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 116627

Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	308.0
98	64.8	0.0	129.6

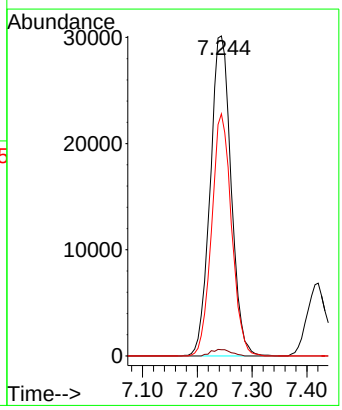


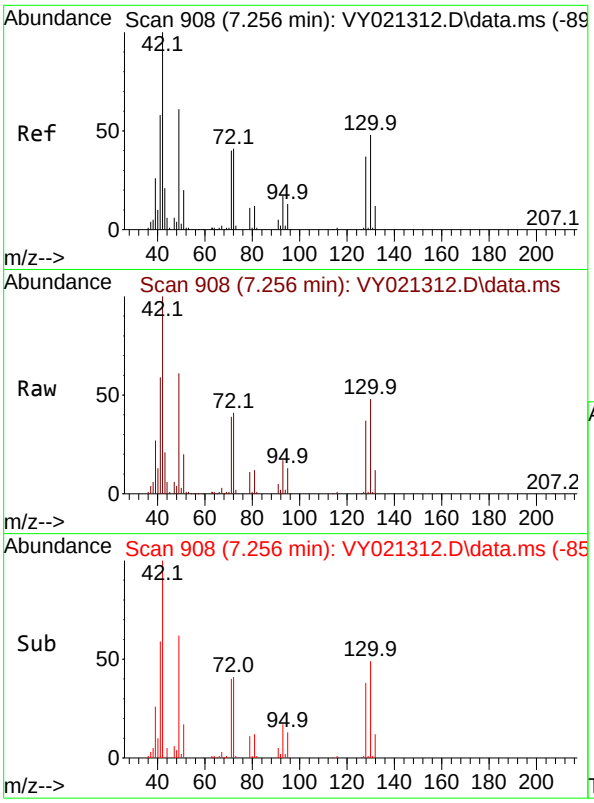


#28
Bromochloromethane
Concen: 49.352 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 49 Resp: 79678

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	72.2	57.8	86.6



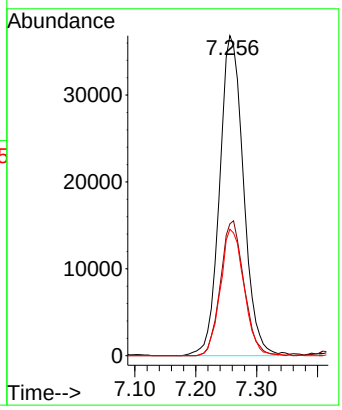


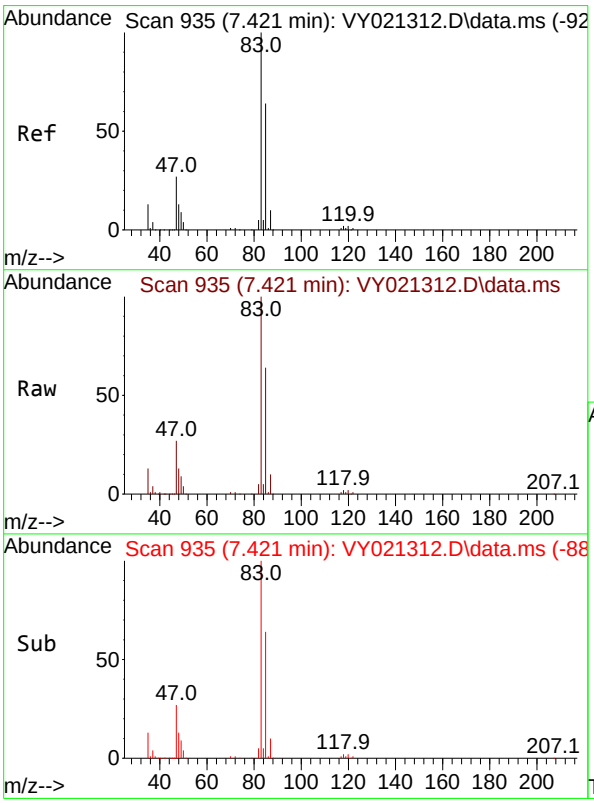
#29
Tetrahydrofuran
Concen: 266.741 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 100417

Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.1	49.7
71	39.2	31.4	47.0

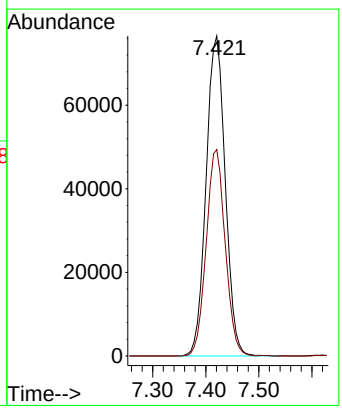


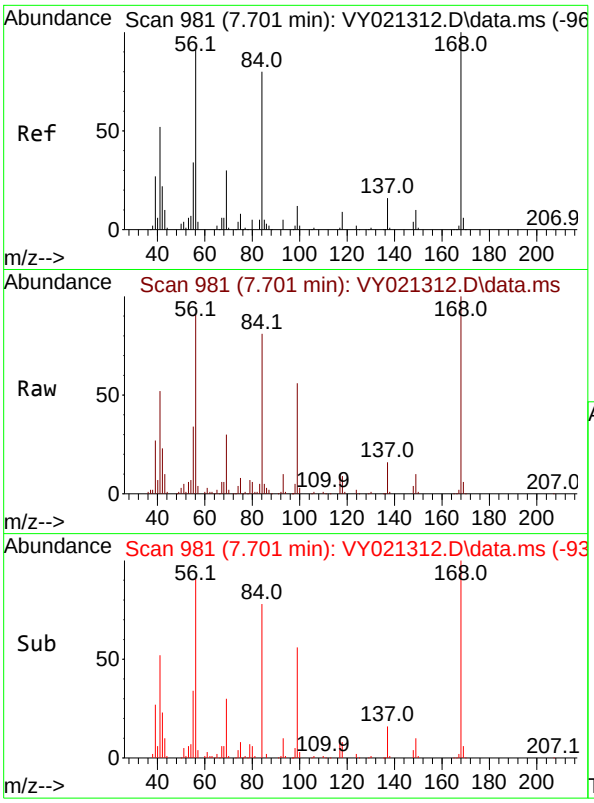


#30
Chloroform
Concen: 51.925 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 83 Resp: 191980

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4



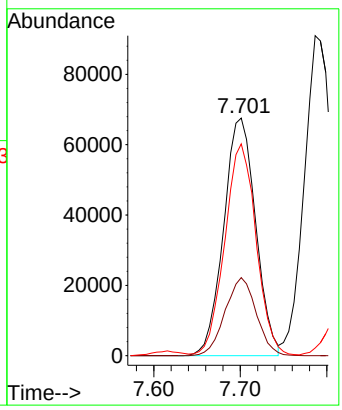


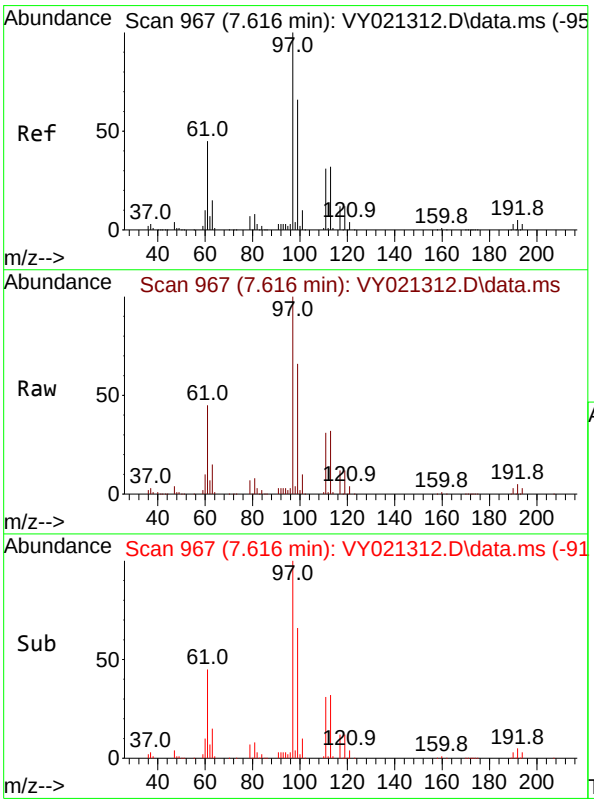
#31
Cyclohexane
Concen: 49.456 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 173460

Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.4
84	87.8	70.2	105.4

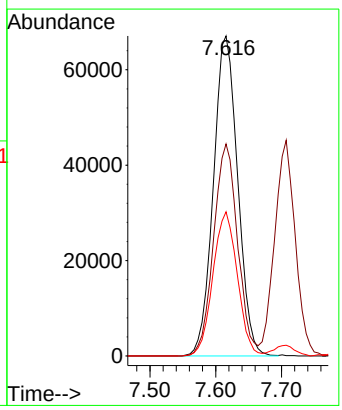


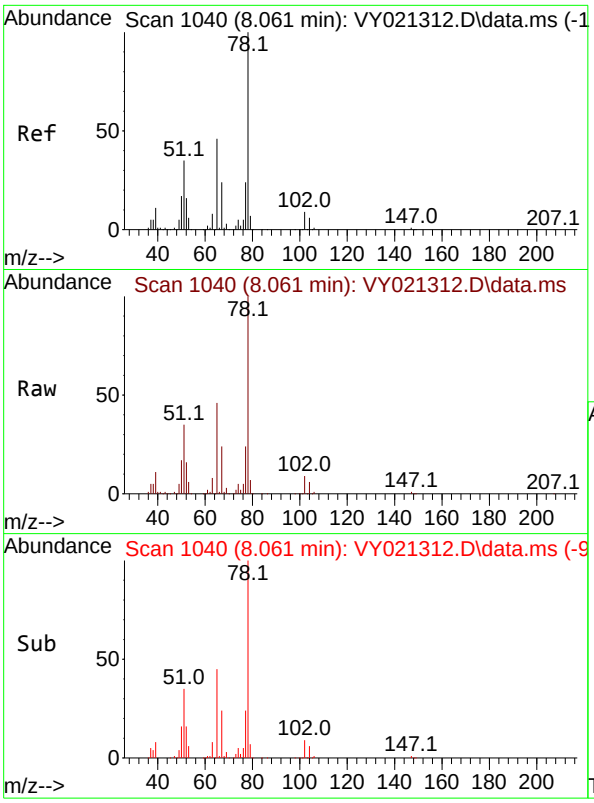


#32
1,1,1-Trichloroethane
Concen: 51.372 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 97 Resp: 172880

Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.4	78.6
61	45.2	36.2	54.2



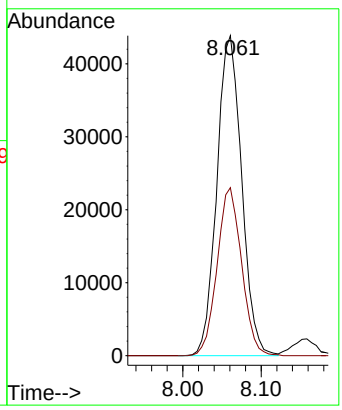


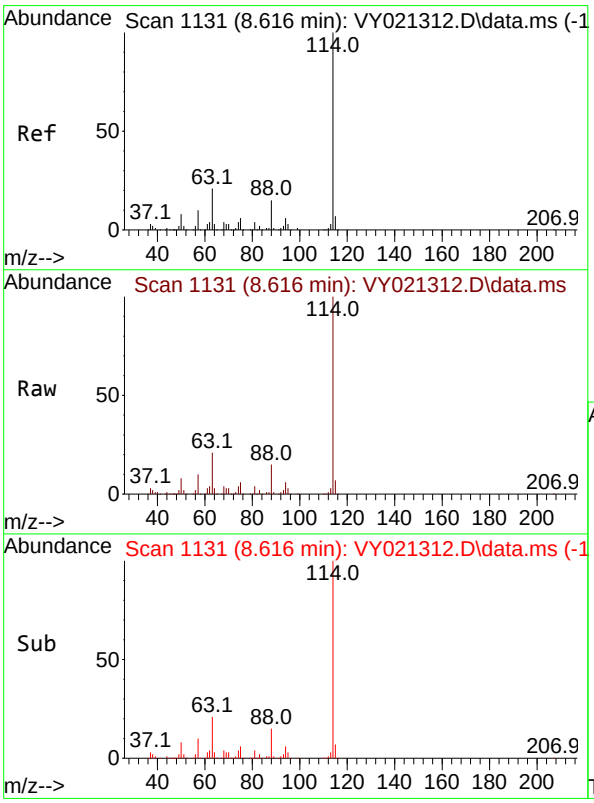
#33
1,2-Dichloroethane-d4
Concen: 48.606 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 96694

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6

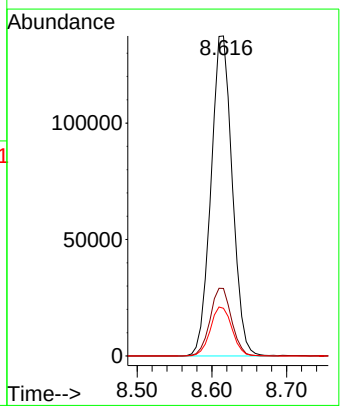


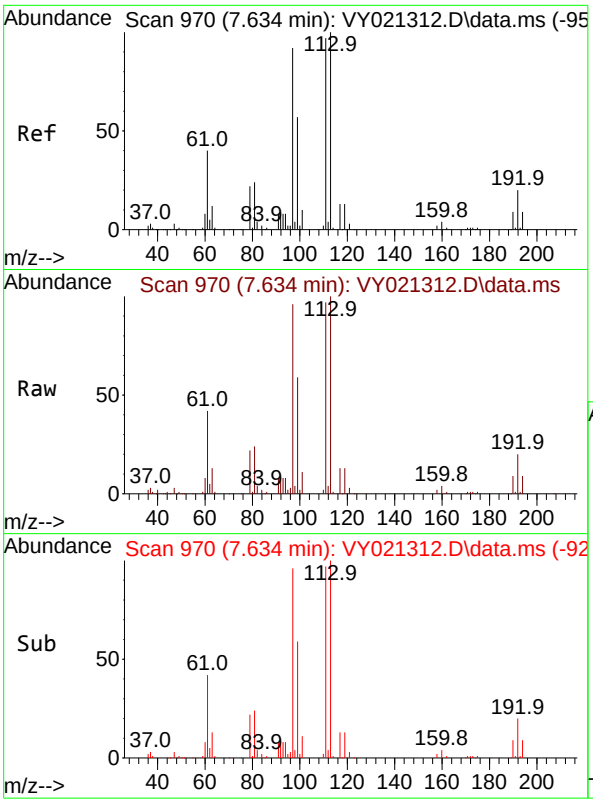


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:114 Resp: 272563

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.2
88	14.9	0.0	29.8



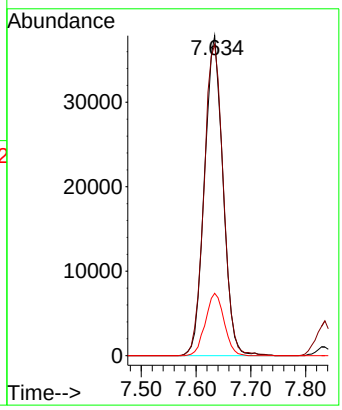


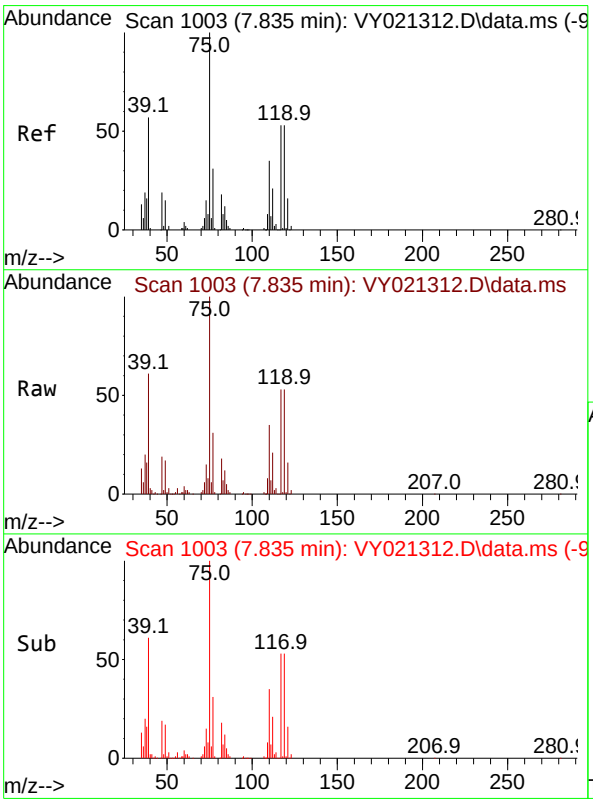
#35
Dibromofluoromethane
Concen: 49.533 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 88513

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.0	121.6
192	19.8	15.8	23.8

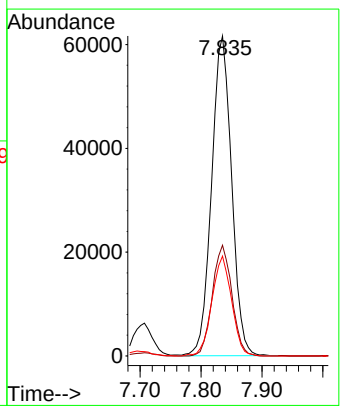


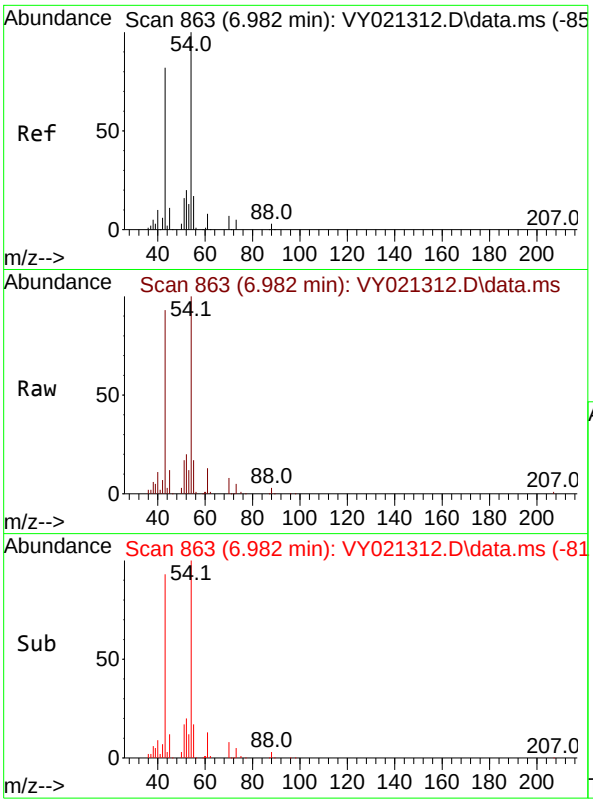


#36
1,1-Dichloropropene
Concen: 52.371 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 140574

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	30.7	24.6	36.8



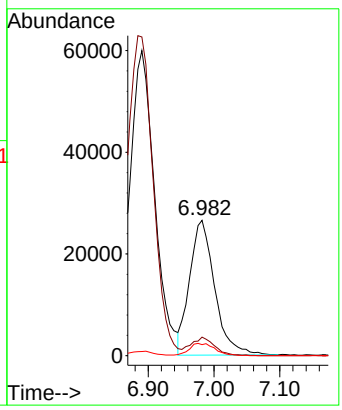


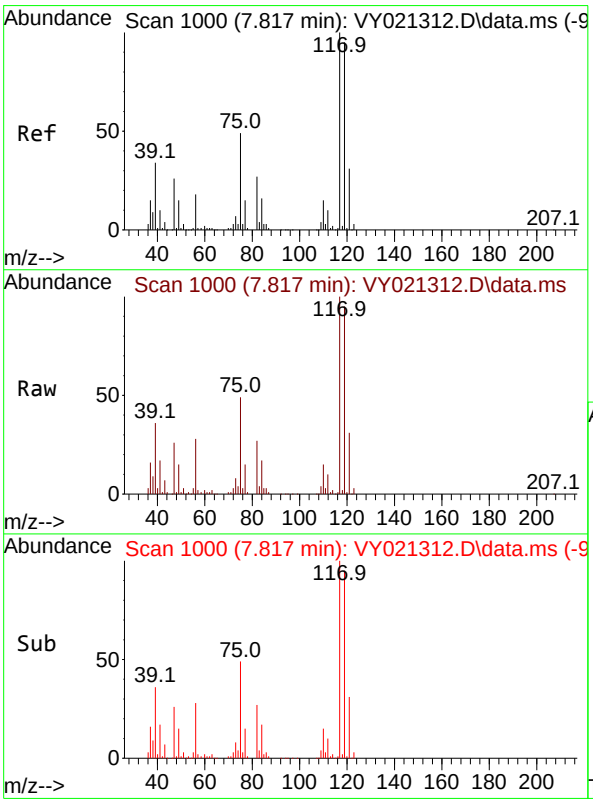
#37
Ethyl Acetate
Concen: 52.565 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 70184

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.4	7.5	11.3

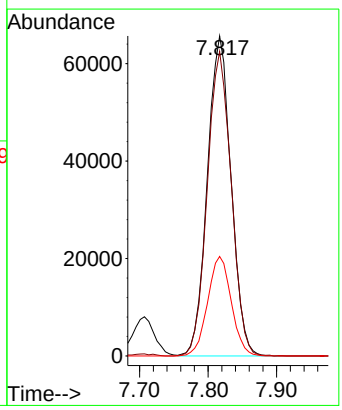


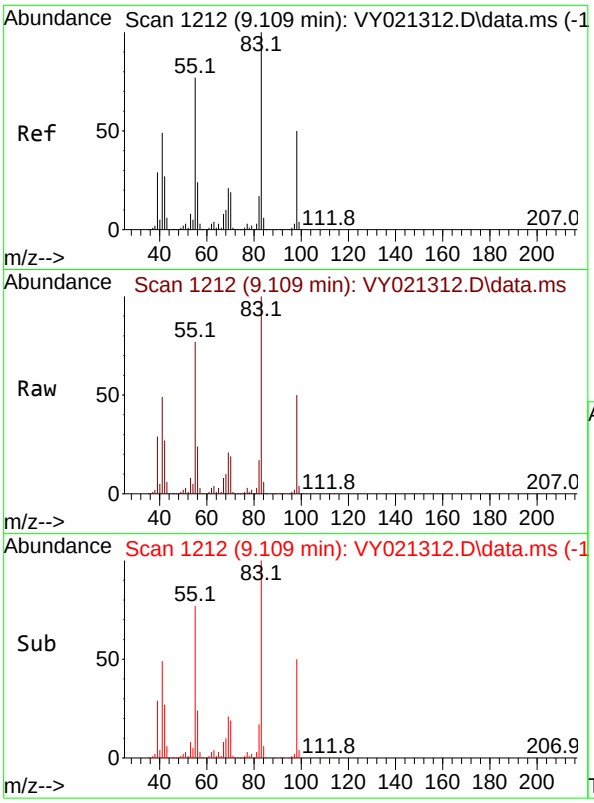


#38
Carbon Tetrachloride
Concen: 52.465 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 158319

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.0	114.0
121	31.1	24.9	37.3



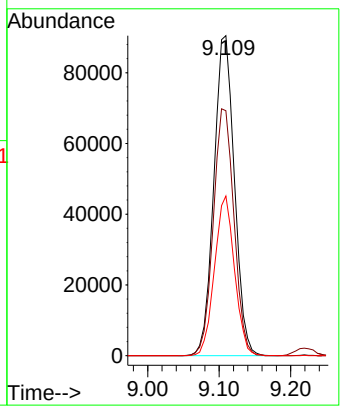


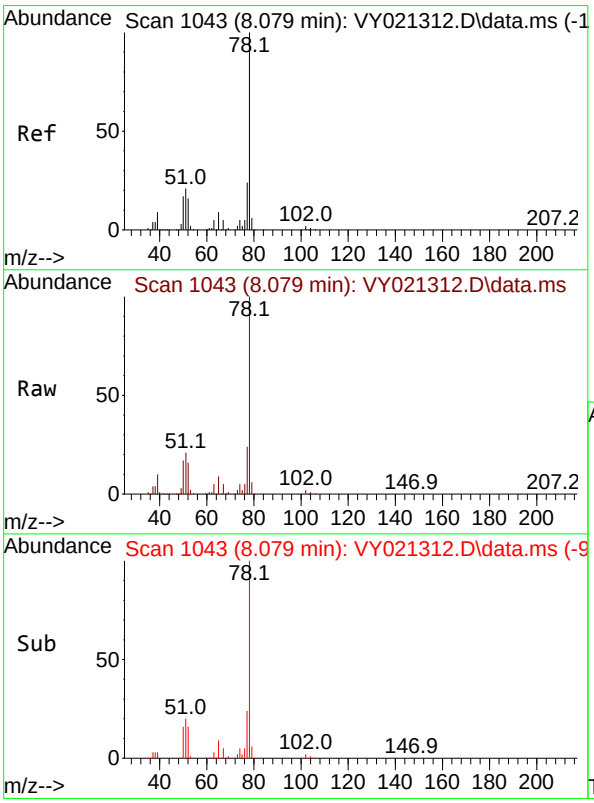
#39
Methylcyclohexane
Concen: 53.165 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 180496

Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	49.9	39.9	59.9

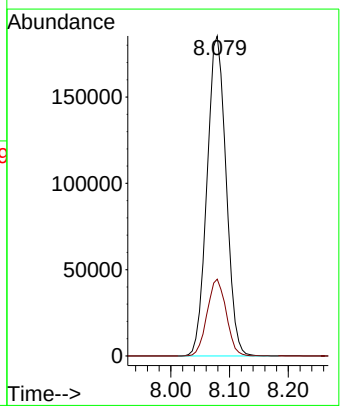


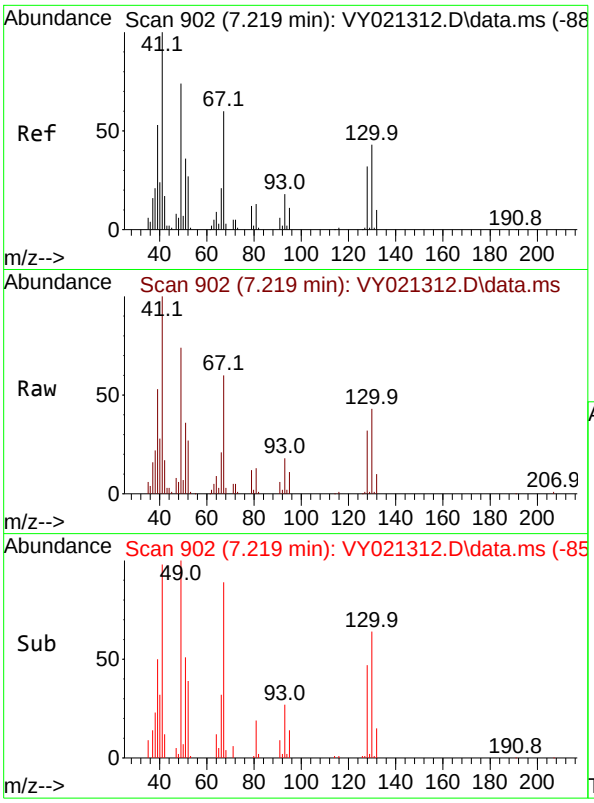


#40
Benzene
Concen: 52.655 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 78 Resp: 417798

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8



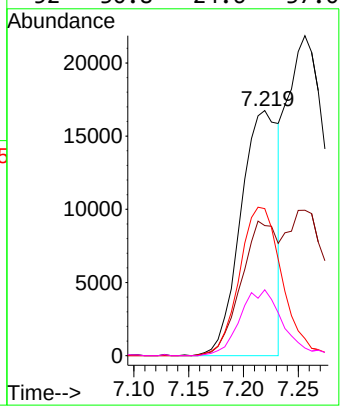


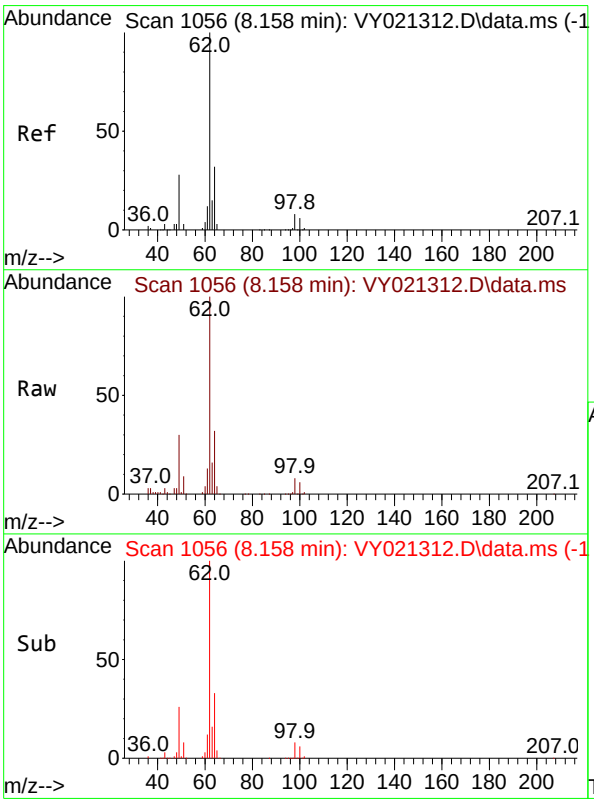
#41
Methacrylonitrile
Concen: 53.535 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 39965

Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.3	63.5
67	68.5	54.8	82.2
52	30.8	24.6	37.0

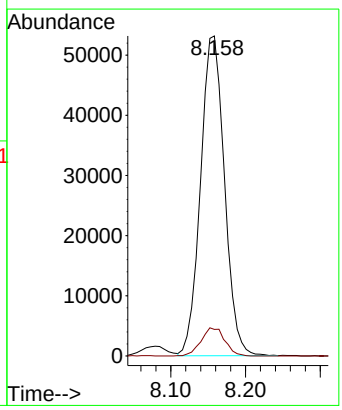


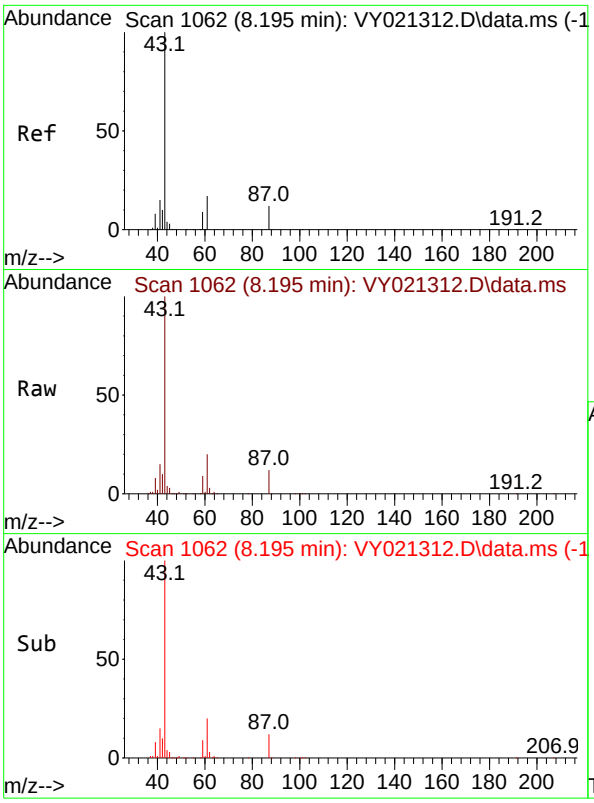


#42
1,2-Dichloroethane
Concen: 52.494 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 62 Resp: 118176

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



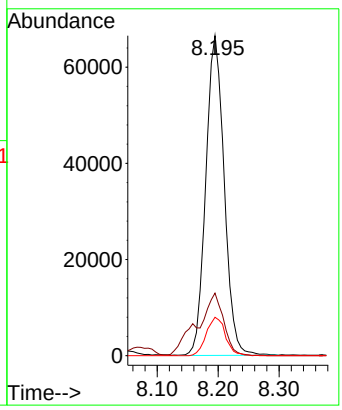


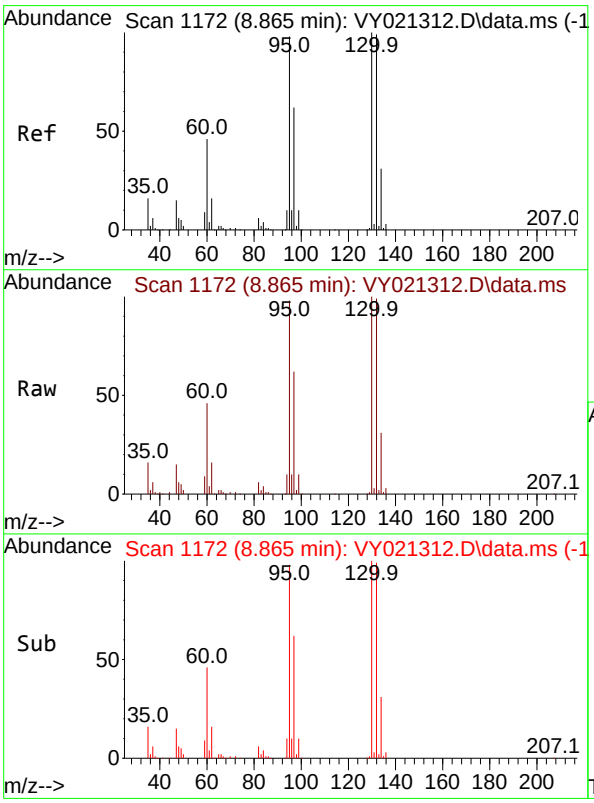
#43
Isopropyl Acetate
Concen: 54.106 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 139829

Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.0	22.6
87	12.5	10.0	15.0

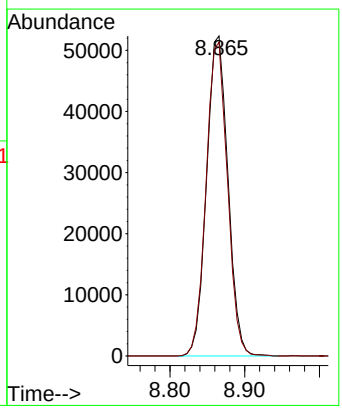


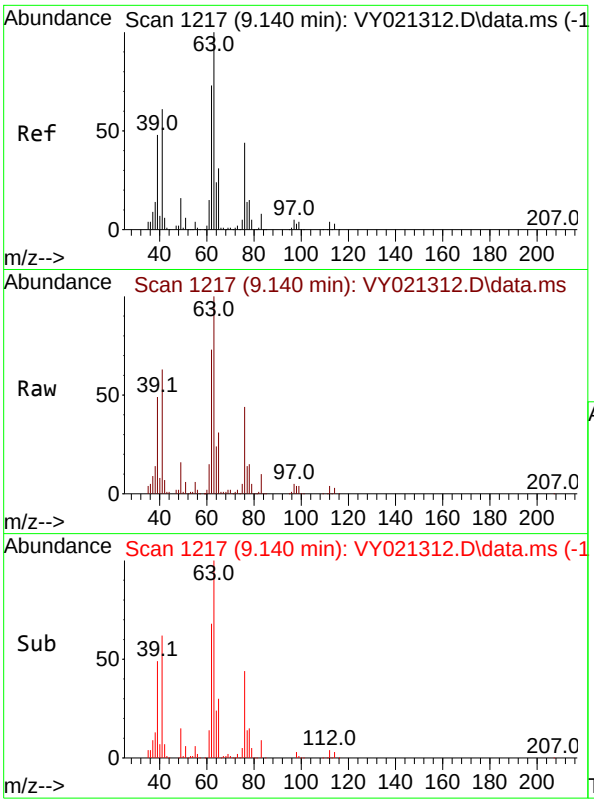


#44
Trichloroethene
Concen: 52.389 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:130 Resp: 104074

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	196.0



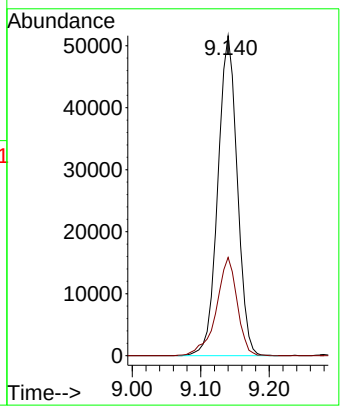


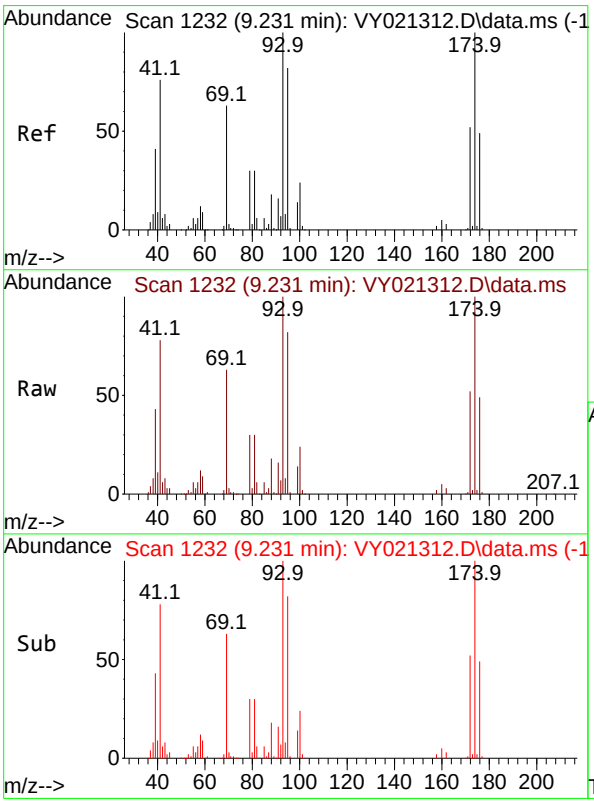
#45
1,2-Dichloropropane
Concen: 52.980 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 101166

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.6	36.8

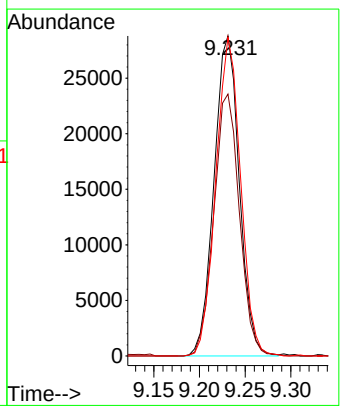


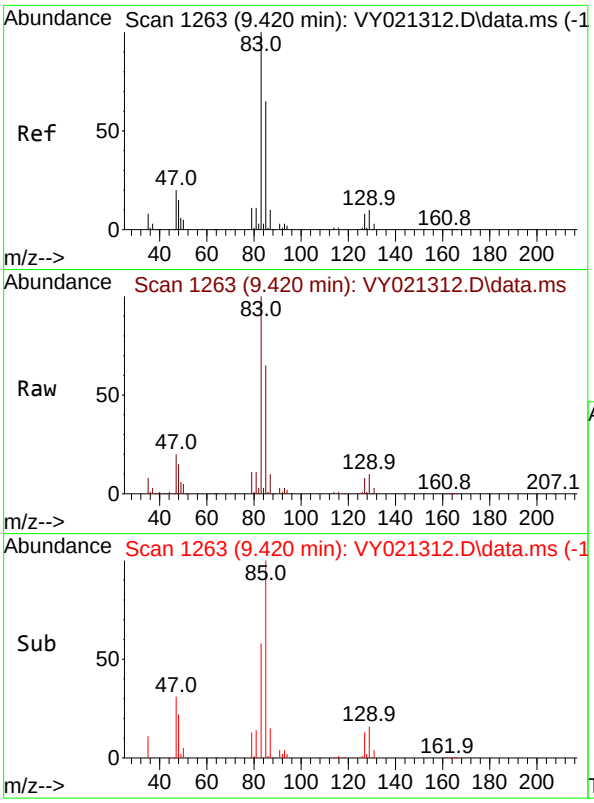


#46
Dibromomethane
Concen: 53.043 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 93 Resp: 55365

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	97.7	78.2	117.2



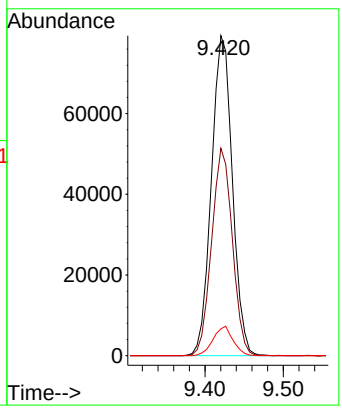


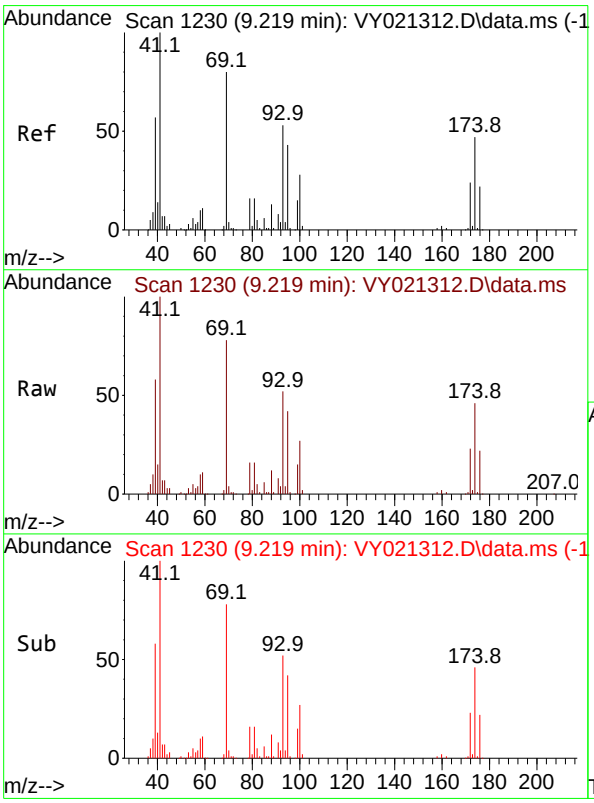
#47
Bromodichloromethane
Concen: 52.957 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 147382

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8
127	8.4	6.7	10.1

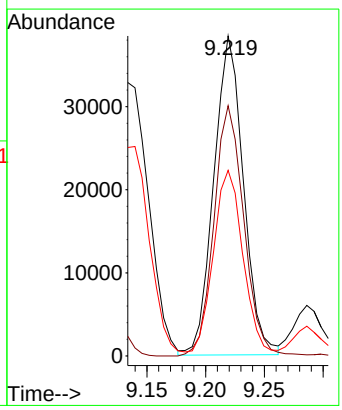


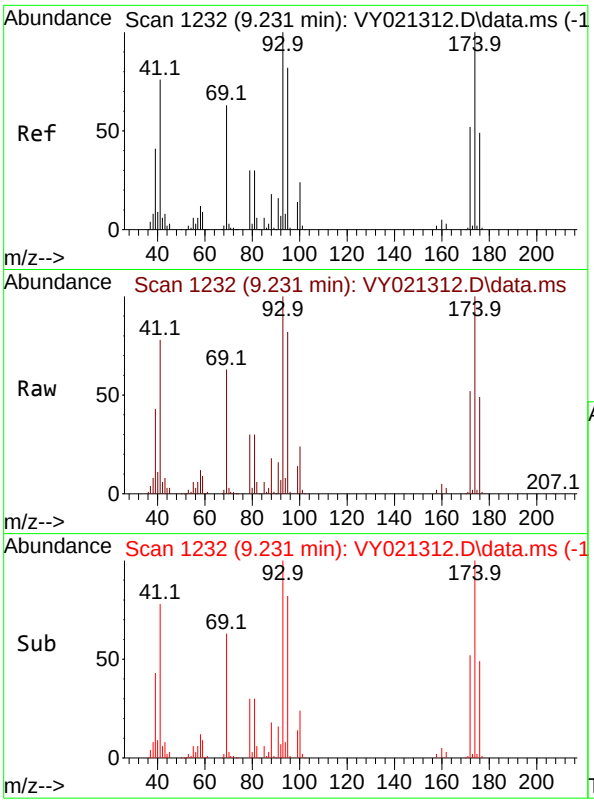


#48
Methyl methacrylate
Concen: 55.775 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 41 Resp: 67406

Ion	Ratio	Lower	Upper
41	100		
69	79.1	63.3	94.9
39	56.3	45.0	67.6



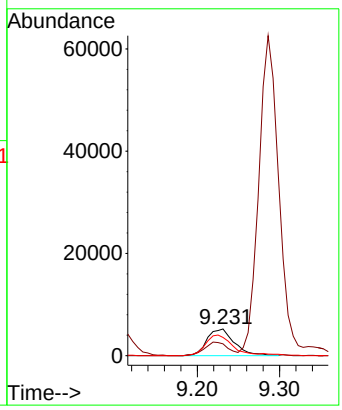


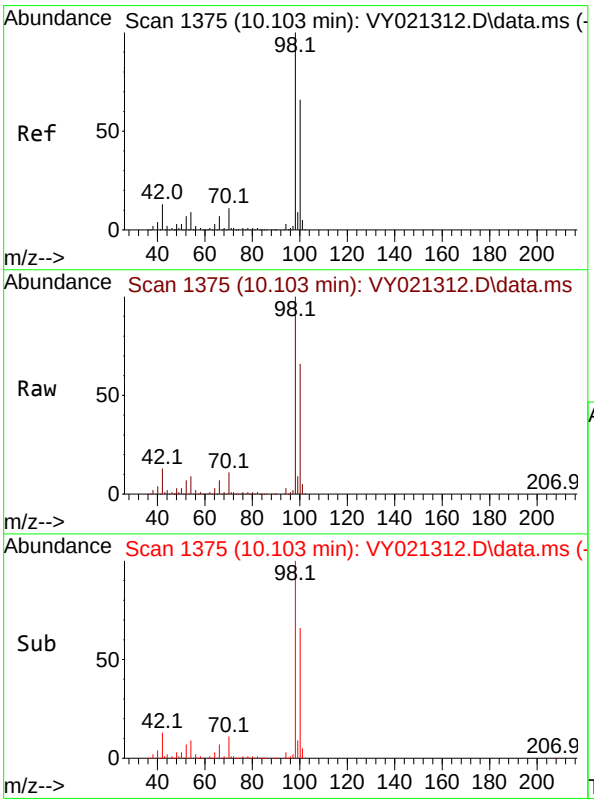
#49
1,4-Dioxane
Concen: 1050.591 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 12193

Ion	Ratio	Lower	Upper
88	100		
43	43.5	34.8	52.2
58	74.7	59.8	89.6

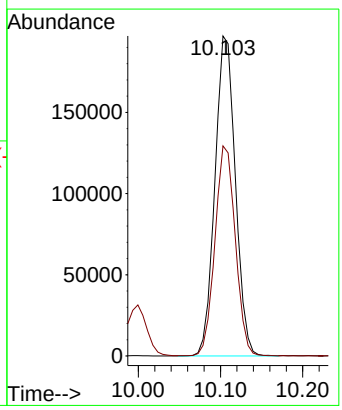


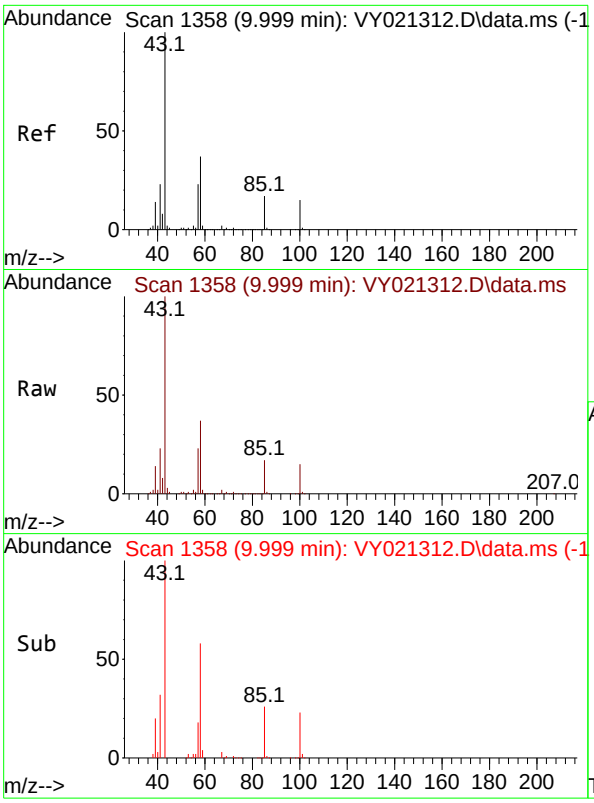


#50
Toluene-d8
Concen: 49.367 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 98 Resp: 340929

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6



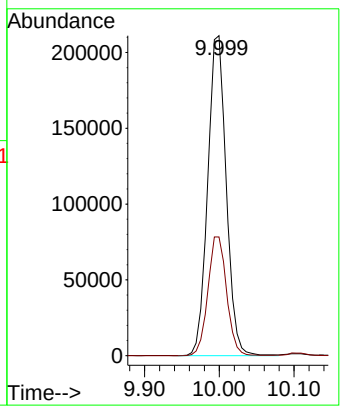


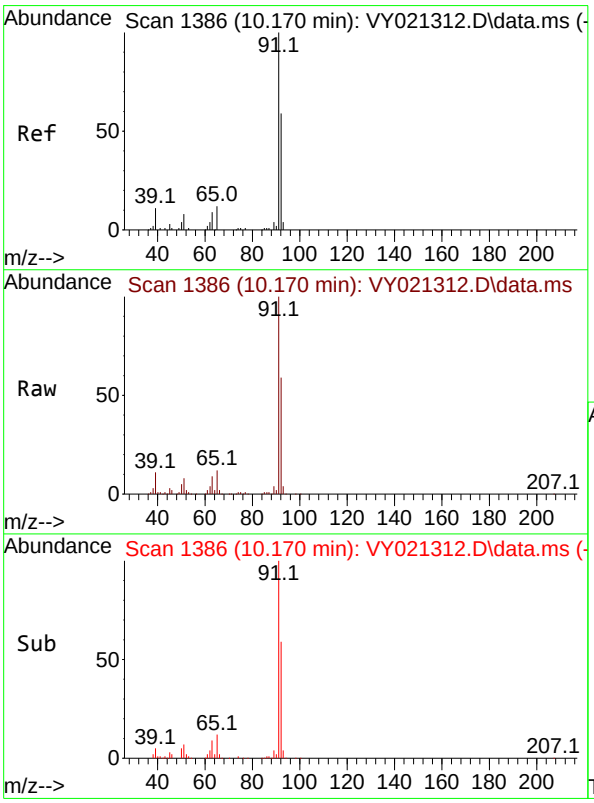
#51
4-Methyl-2-Pentanone
Concen: 275.485 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 364446

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.1	45.1

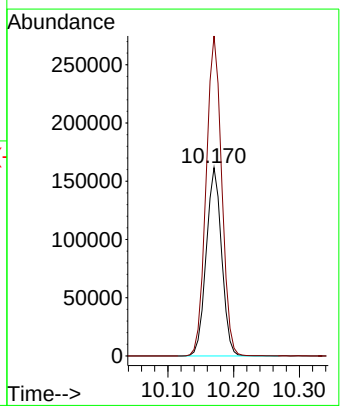


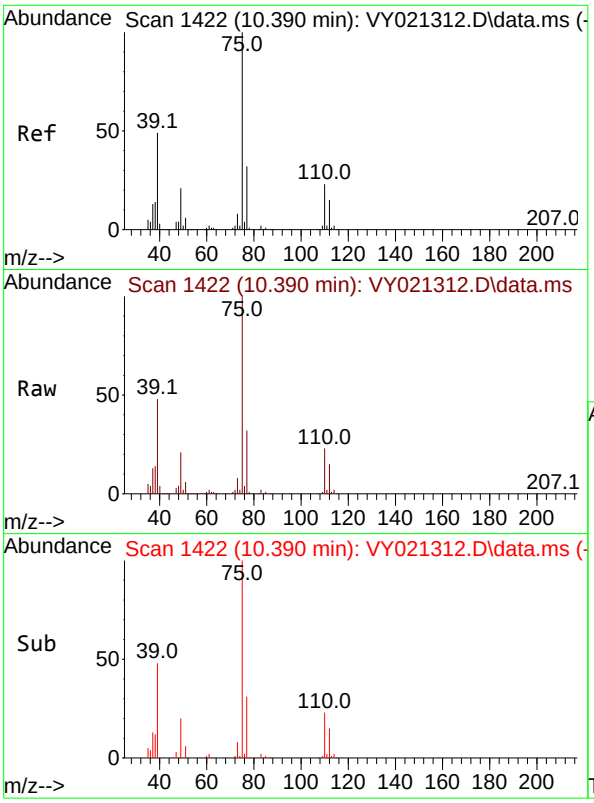


#52
Toluene
Concen: 53.367 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 92 Resp: 263062

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.8	206.8



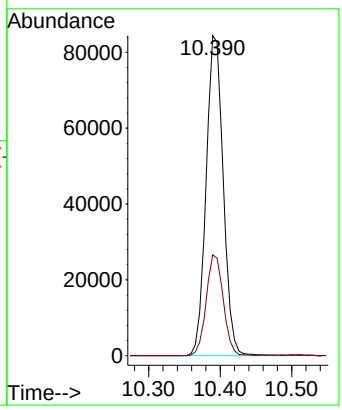


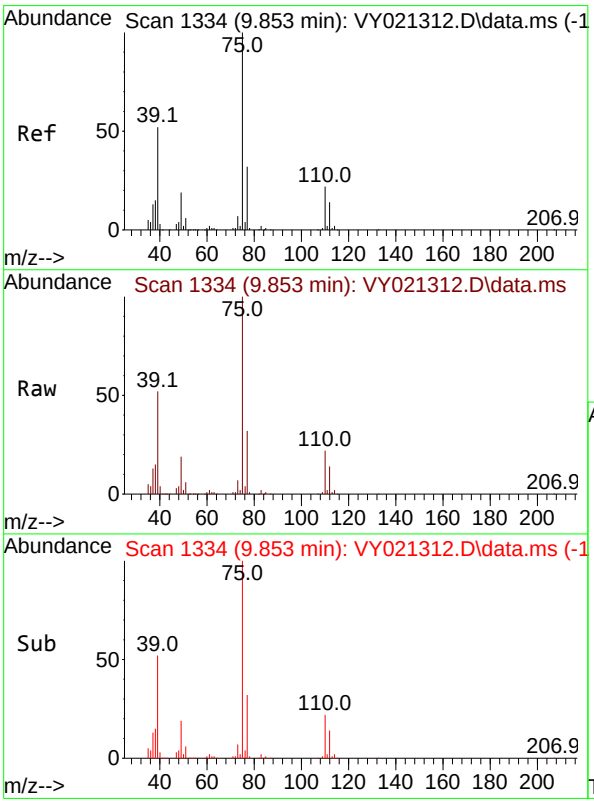
#53
t-1,3-Dichloropropene
Concen: 55.062 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 140399

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9

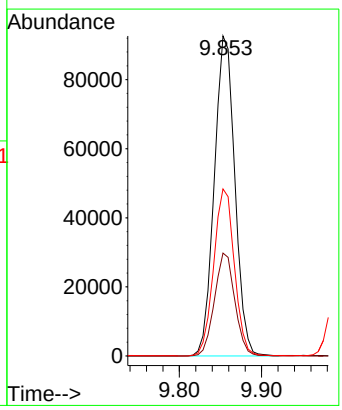


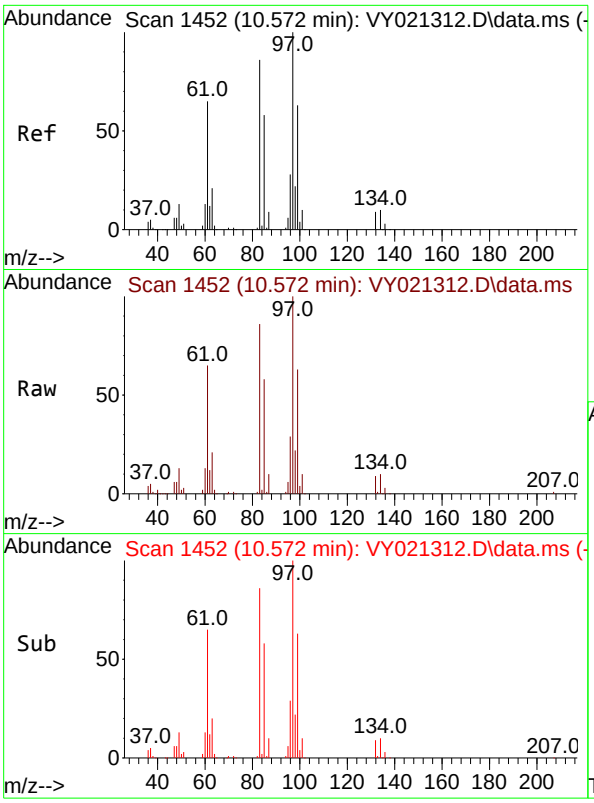


#54
cis-1,3-Dichloropropene
Concen: 53.492 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 161021

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
39	52.2	41.8	62.6



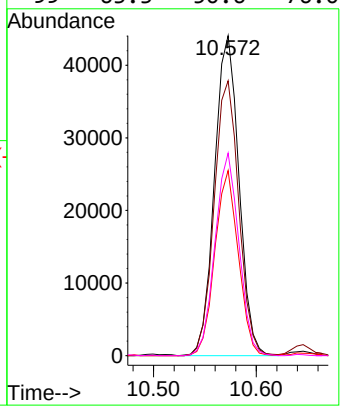


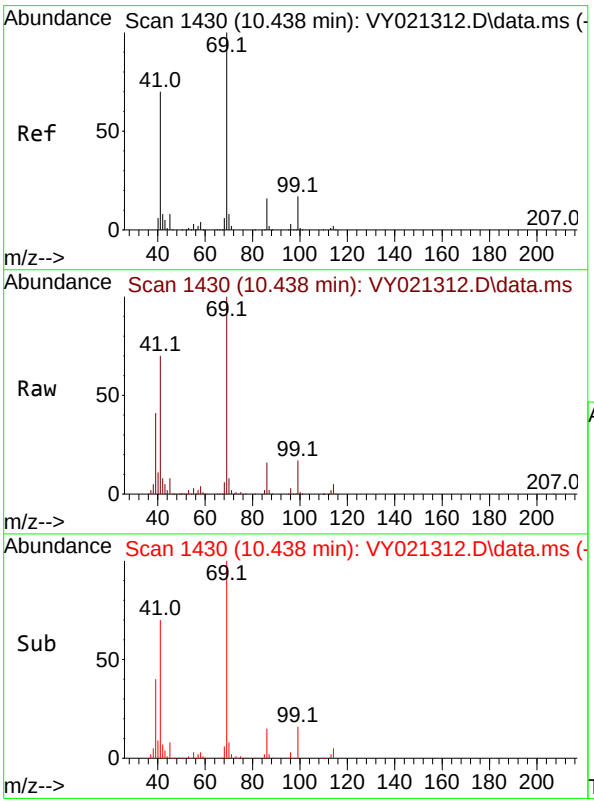
#55
1,1,2-Trichloroethane
Concen: 53.481 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 72720

Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.7	103.1
85	57.9	46.3	69.5
99	63.3	50.6	76.0

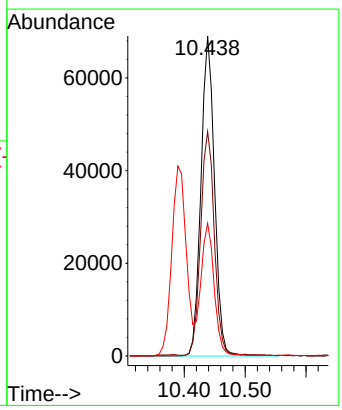


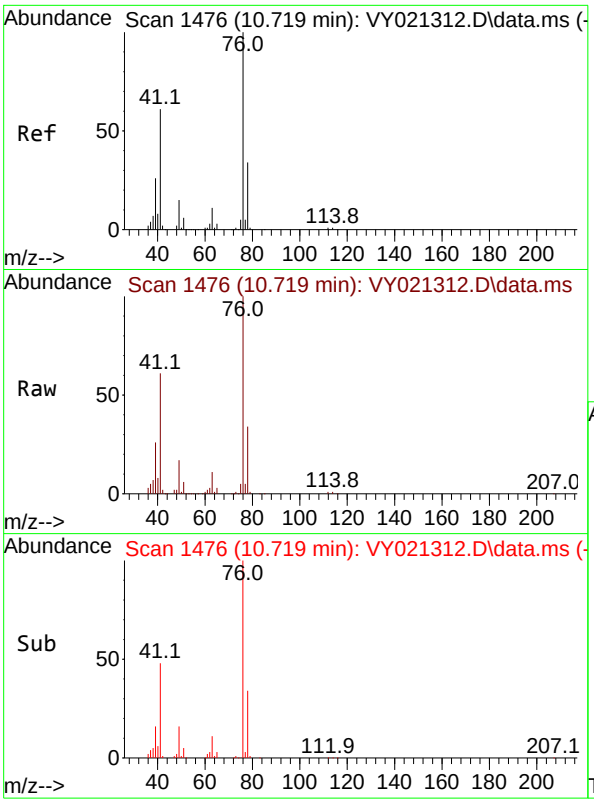


#56
Ethyl methacrylate
Concen: 56.904 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 69 Resp: 106914

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	40.9	32.7	49.1



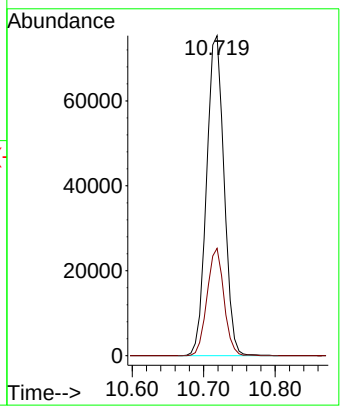


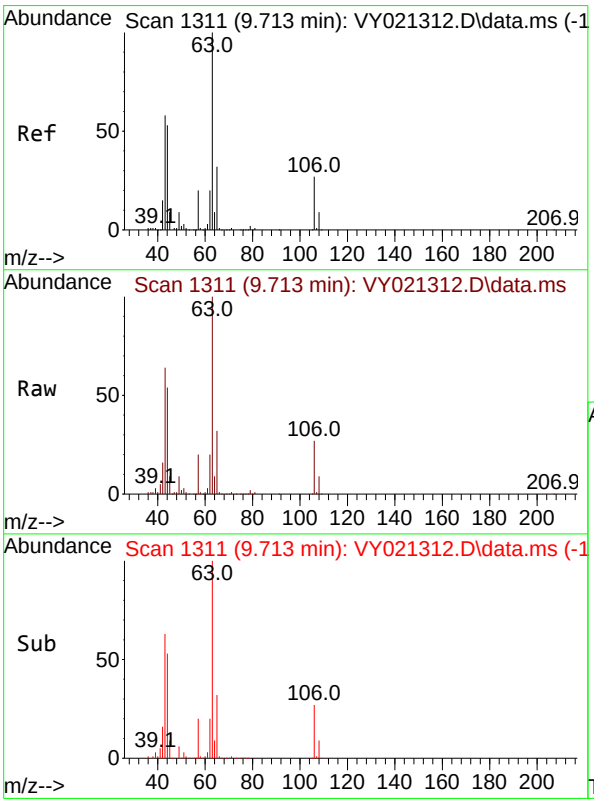
#57
1,3-Dichloropropane
Concen: 53.559 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 127795

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

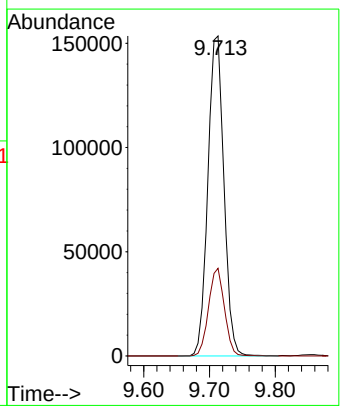


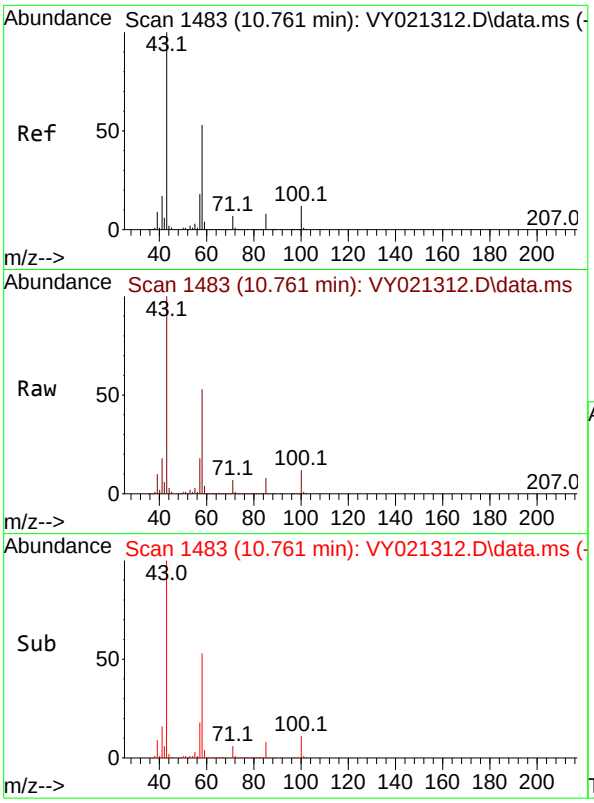


#58
2-Chloroethyl Vinyl ether
Concen: 289.104 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 63 Resp: 260718

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5



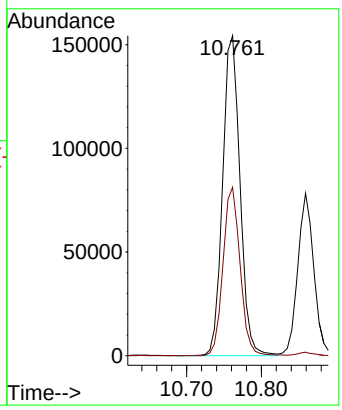


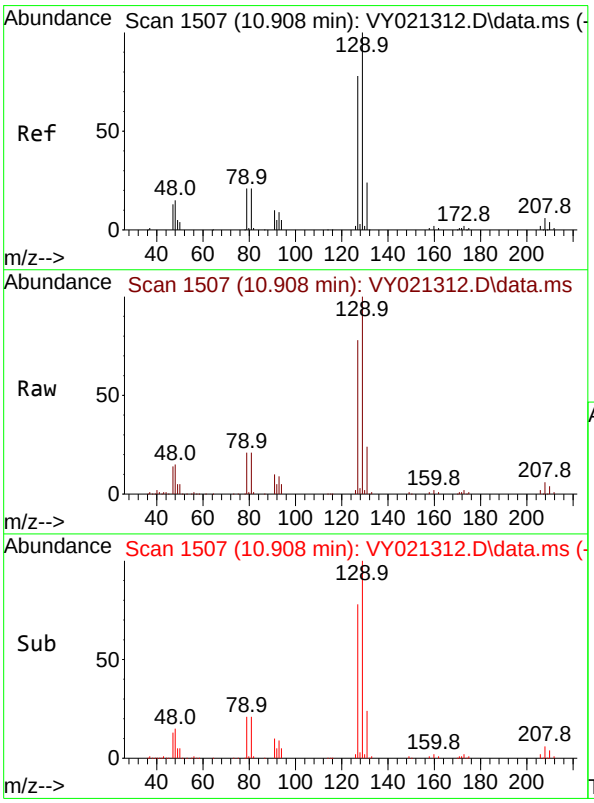
#59
2-Hexanone
Concen: 287.258 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 249578

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

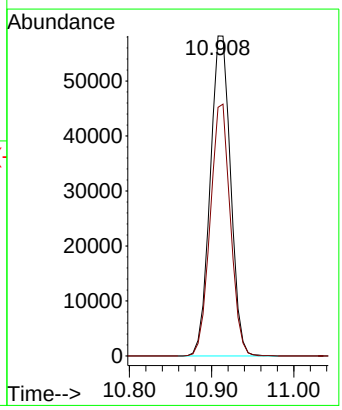


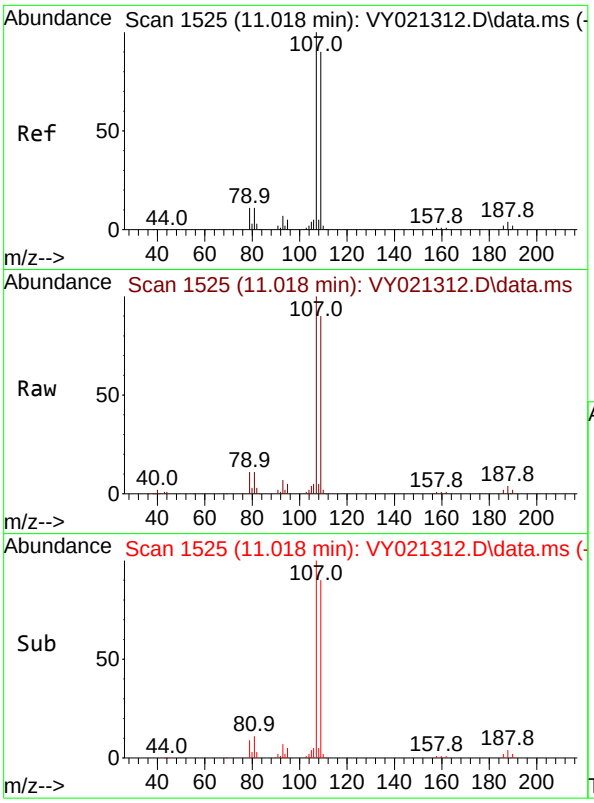


#60
Dibromochloromethane
Concen: 54.134 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:129 Resp: 100250

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4



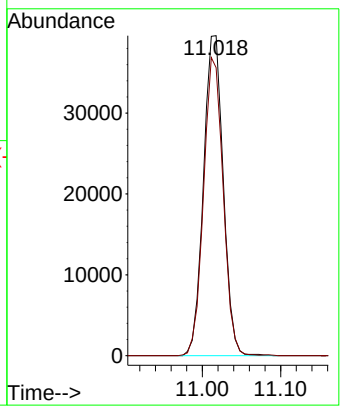


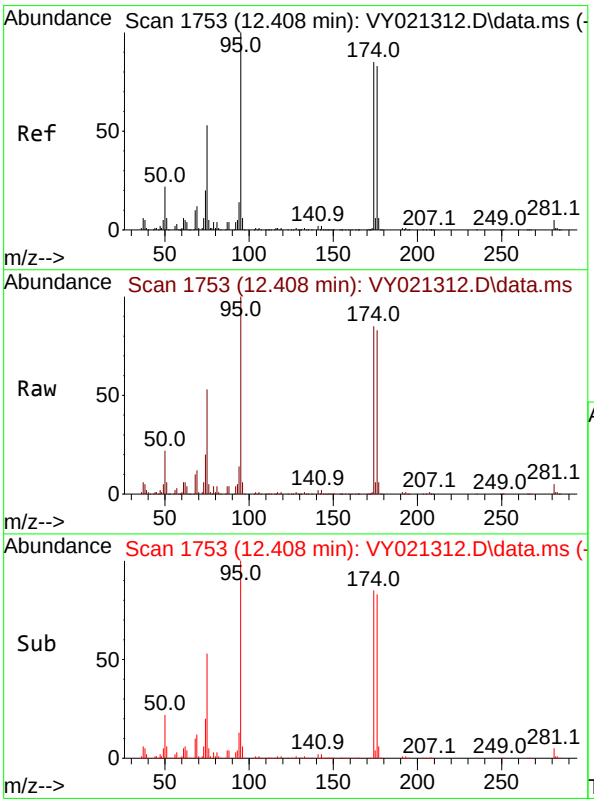
#61
1,2-Dibromoethane
Concen: 53.783 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 69236

Ion	Ratio	Lower	Upper
107	100		
109	92.3	73.8	110.8

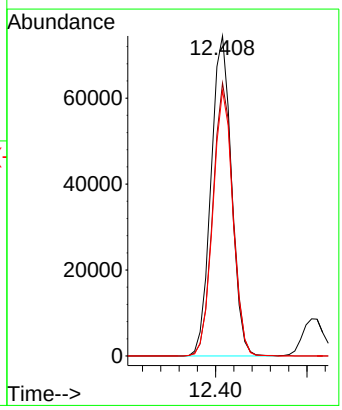


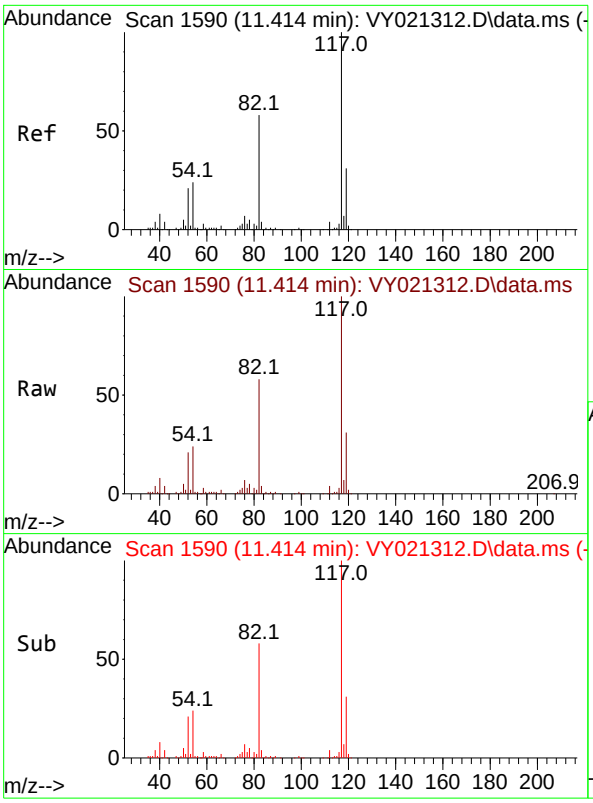


#62
4-Bromofluorobenzene
Concen: 49.652 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 95 Resp: 115401

Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	168.0
176	81.3	0.0	162.6



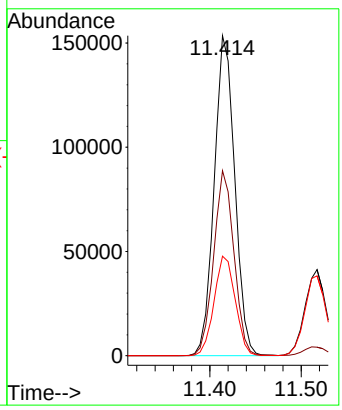


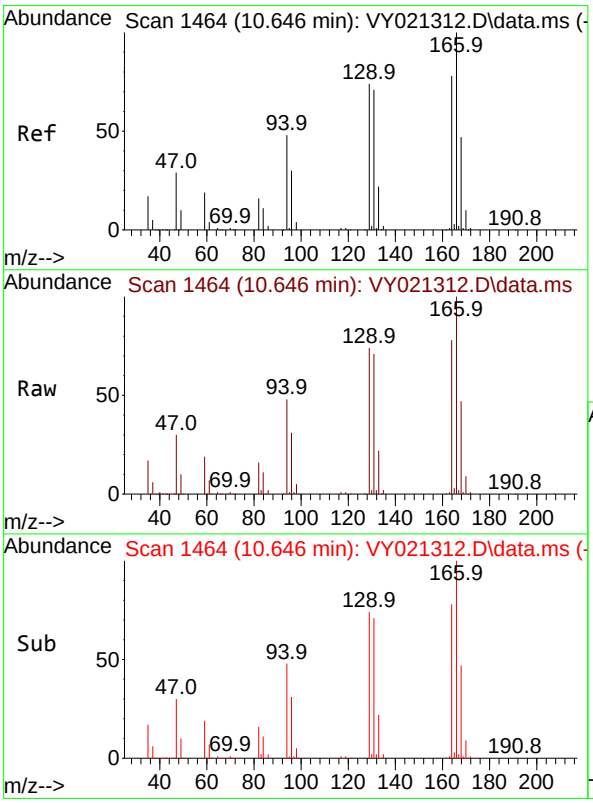
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 239724

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.2	69.4
119	31.1	24.9	37.3

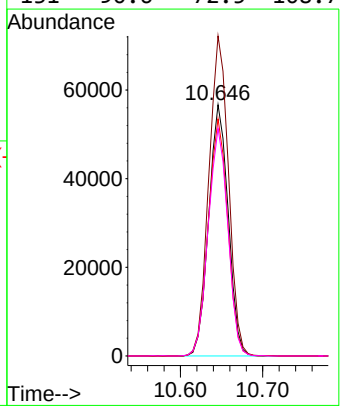


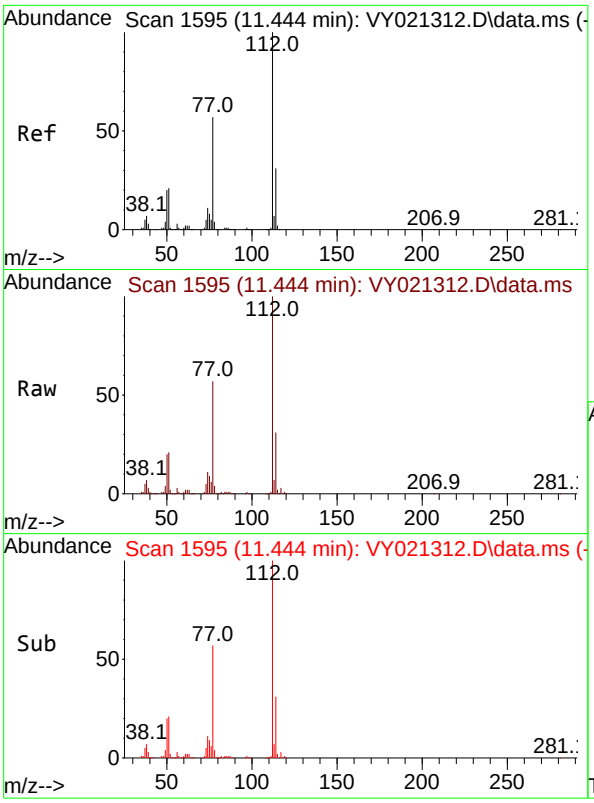


#64
Tetrachloroethene
Concen: 51.501 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:164 Resp: 93317

Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	94.4	75.5	113.3
131	90.6	72.5	108.7



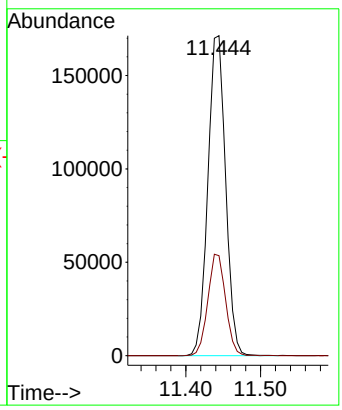


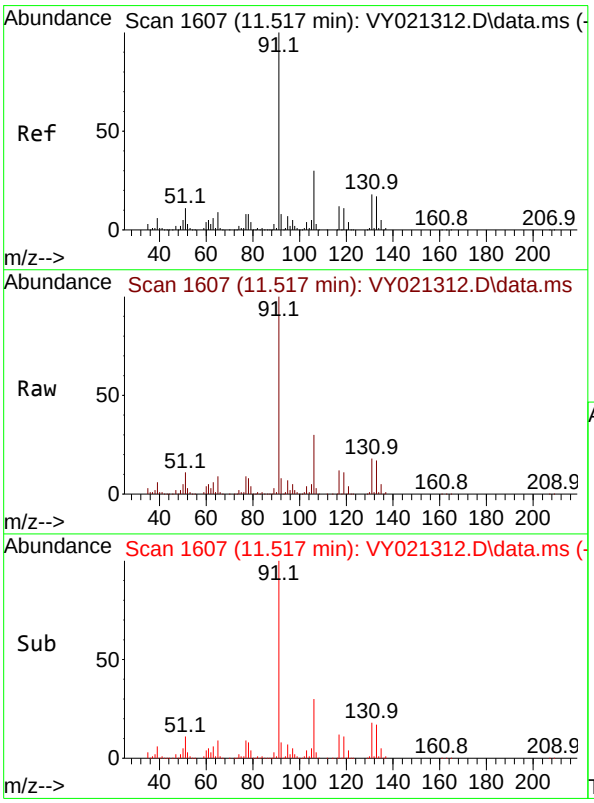
#65
Chlorobenzene
Concen: 52.390 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 281918

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

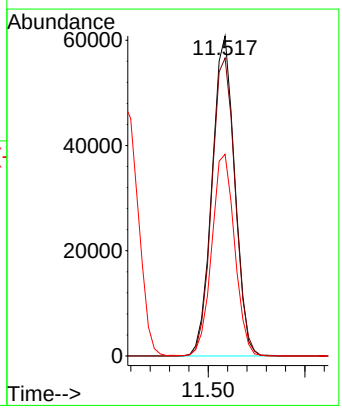


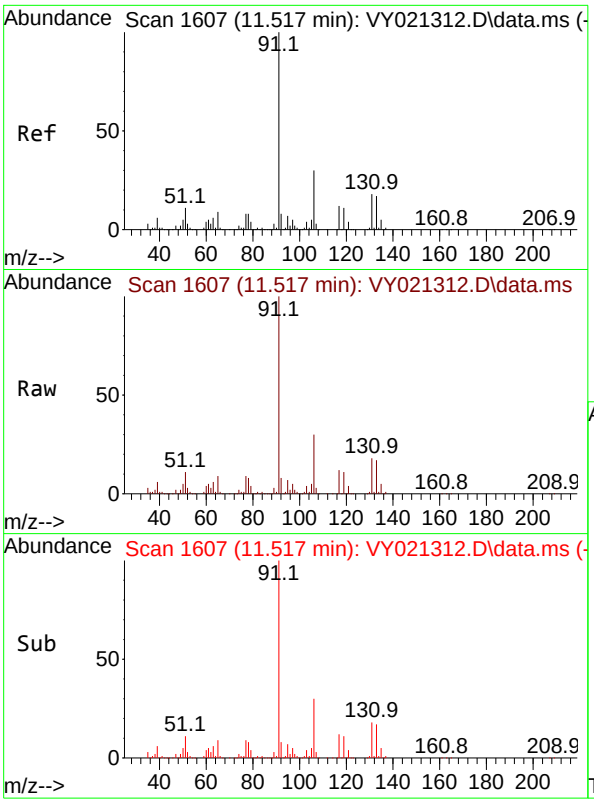


#66
1,1,1,2-Tetrachloroethane
Concen: 52.611 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:131 Resp: 99131

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.6
119	63.4	31.7	95.1



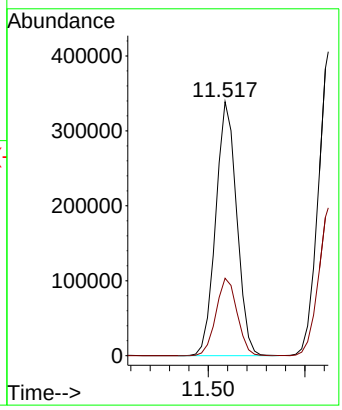


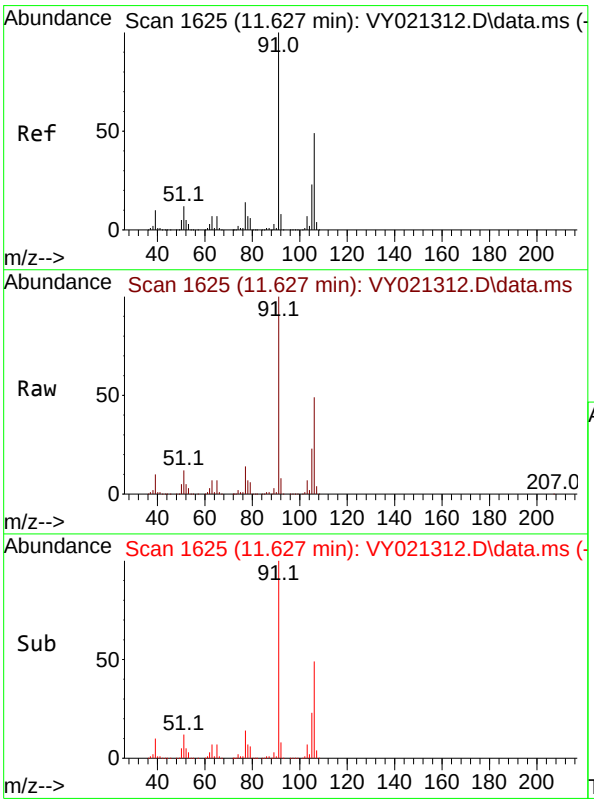
#67
Ethyl Benzene
Concen: 53.573 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 510639

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.4	36.6

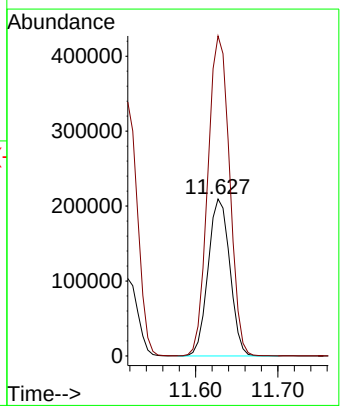


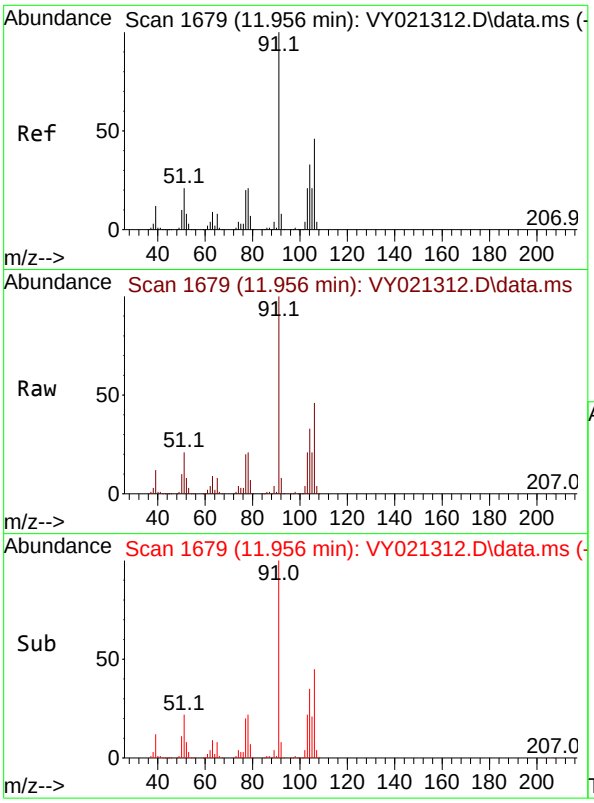


#68
m/p-Xylenes
Concen: 107.204 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:106 Resp: 384346

Ion	Ratio	Lower	Upper
106	100		
91	204.9	163.9	245.9



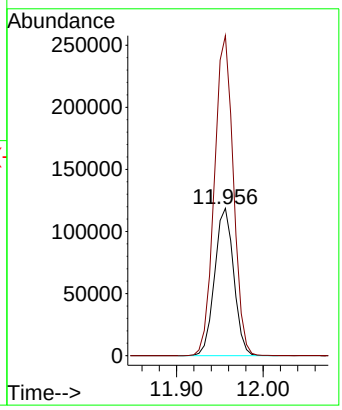


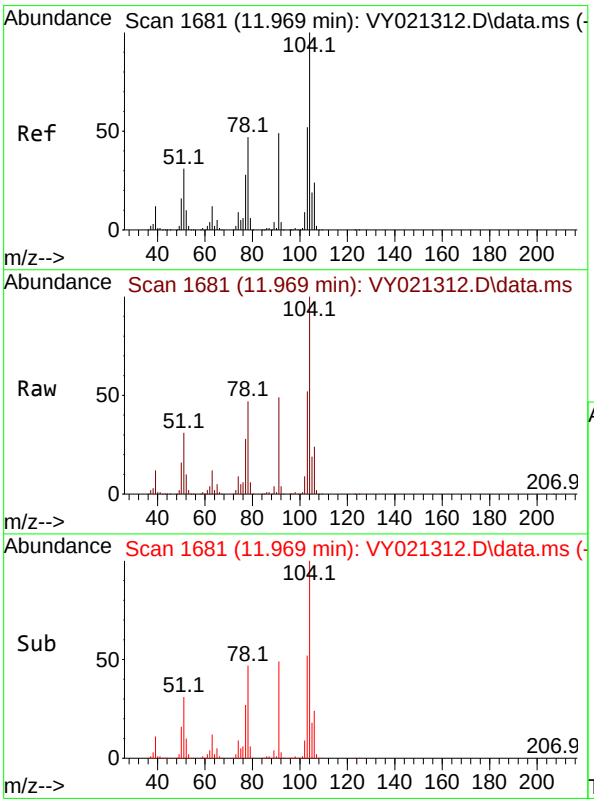
#69
o-Xylene
Concen: 54.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 181728

Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.1	324.2

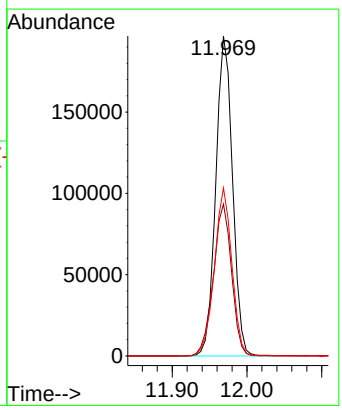


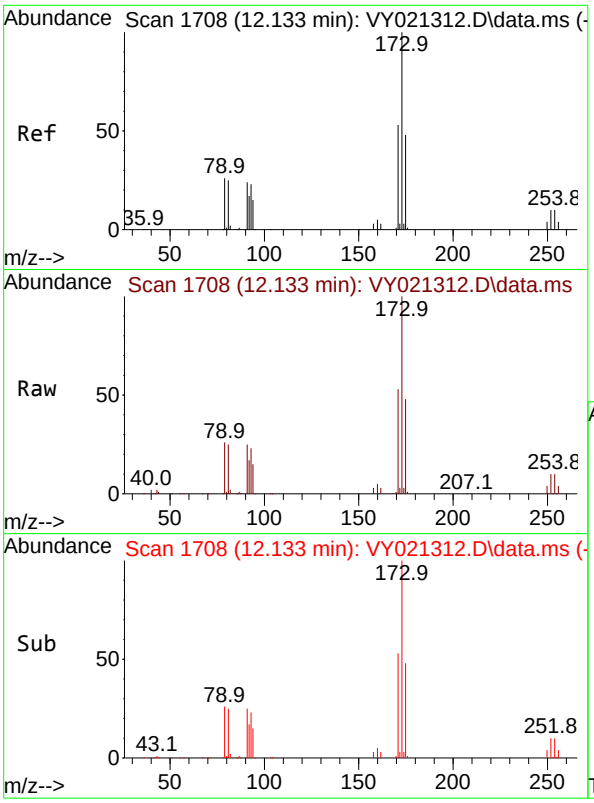


#70
Styrene
Concen: 54.760 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:104 Resp: 306007

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.3	61.9
103	54.9	43.9	65.9



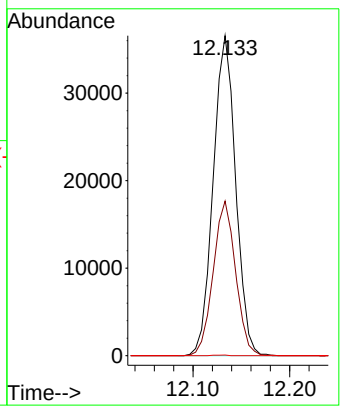


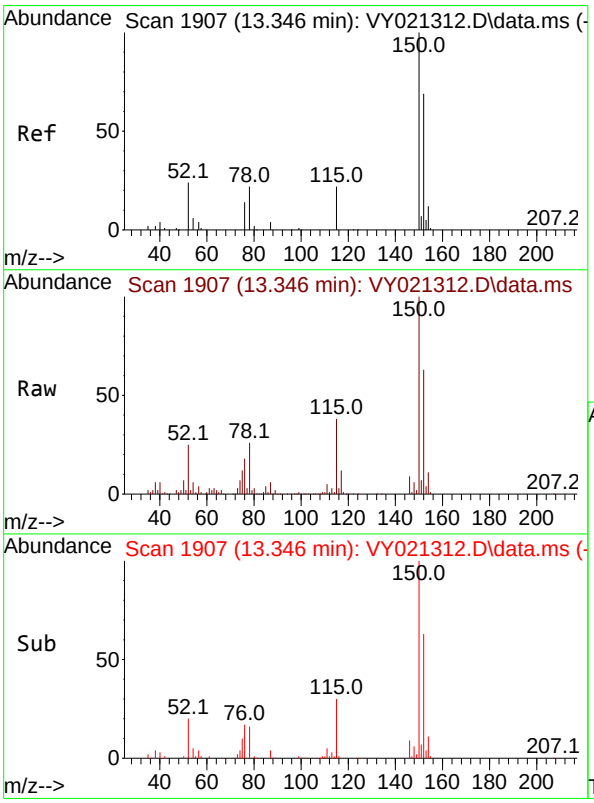
#71
Bromoform
Concen: 54.605 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 58860

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.3
254	0.1	0.1	0.1

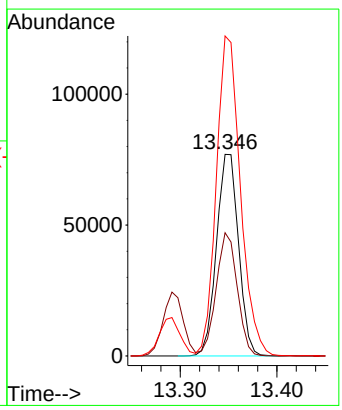


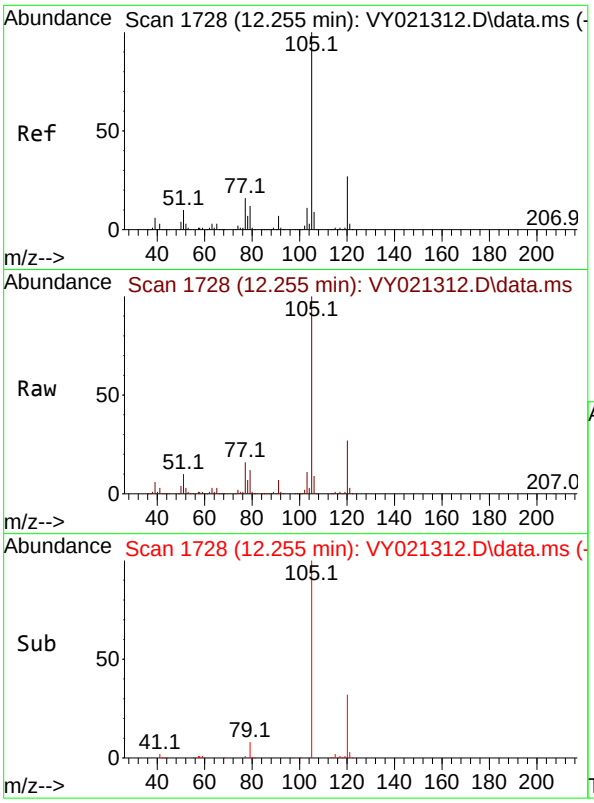


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:152 Resp: 121718

Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.3	88.0
150	173.7	0.0	347.4



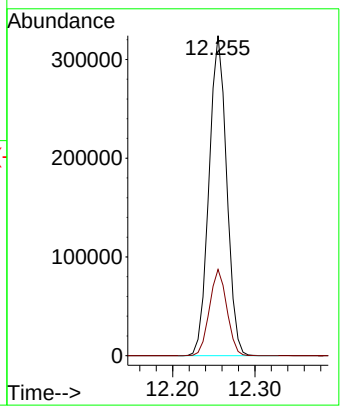


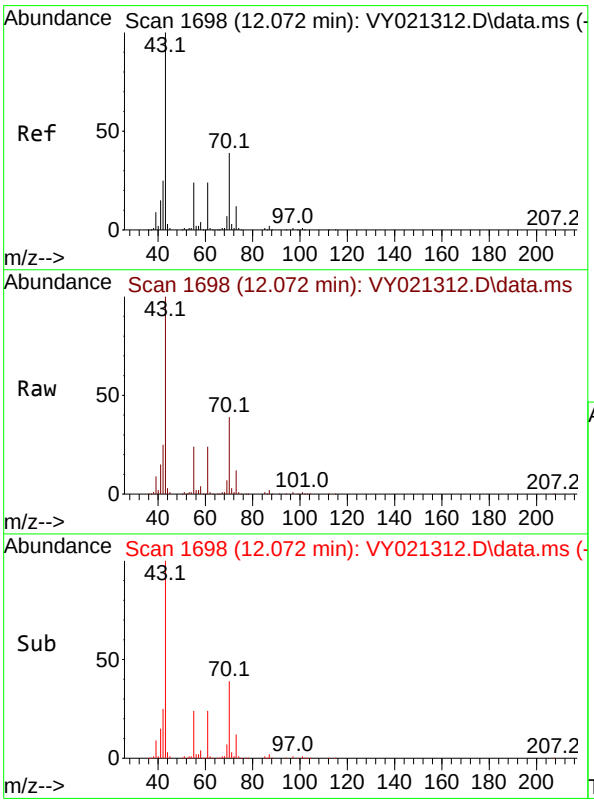
#73
Isopropylbenzene
Concen: 52.885 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 483937

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

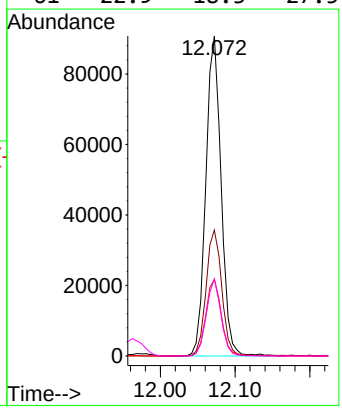


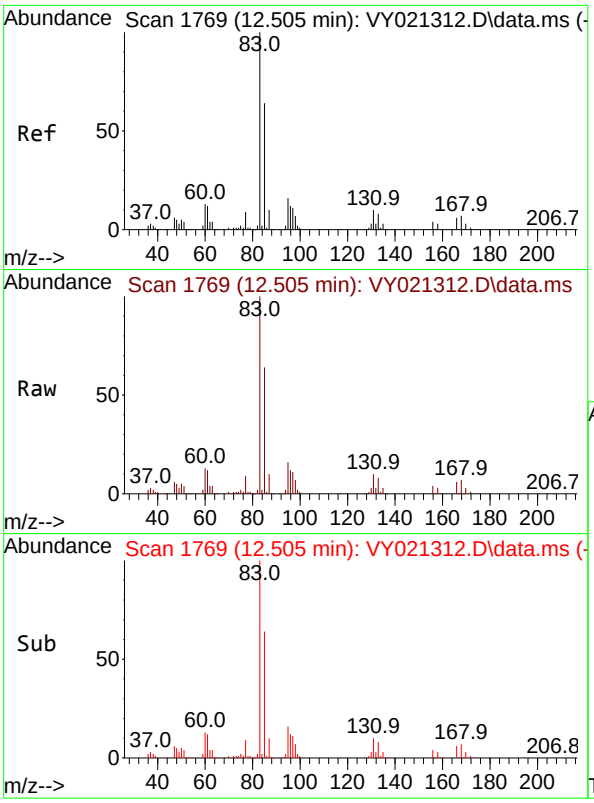


#74
N-amyl acetate
Concen: 55.471 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 43 Resp: 129020

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	24.5	19.6	29.4
61	22.9	18.3	27.5



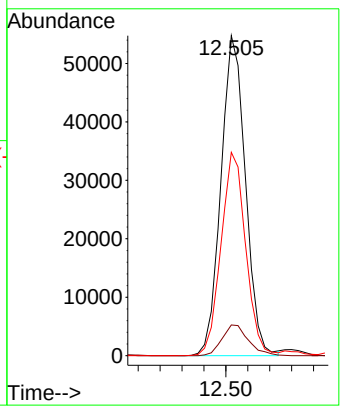


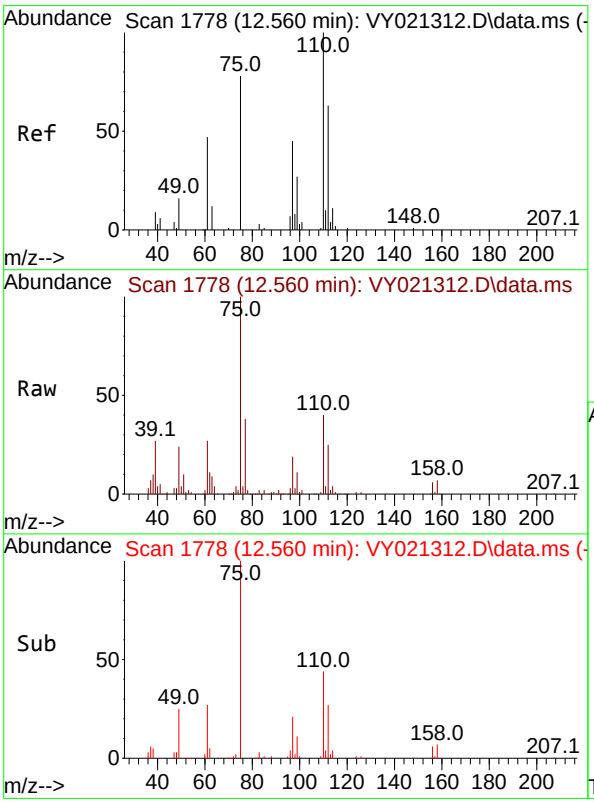
#75
1,1,2,2-Tetrachloroethane
Concen: 52.566 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 84893

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.0	32.0	96.0

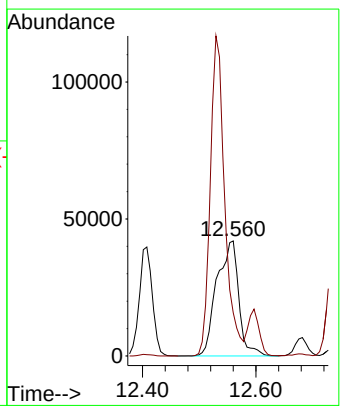


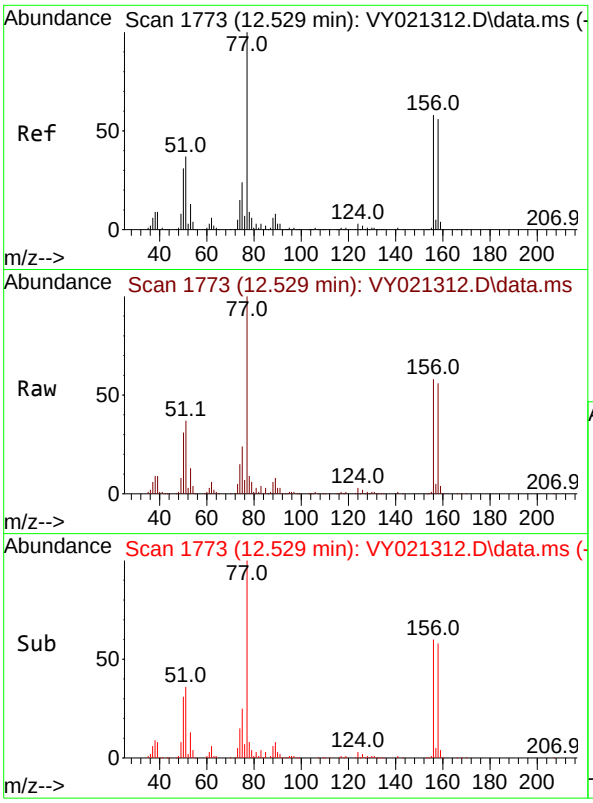


#76
1,2,3-Trichloropropane
Concen: 91.951 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 112709

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



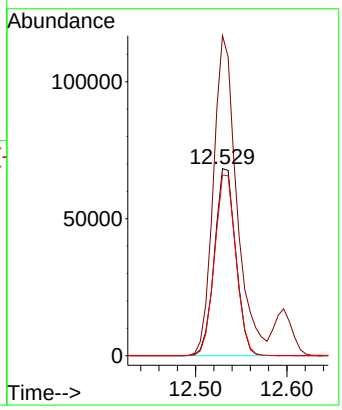


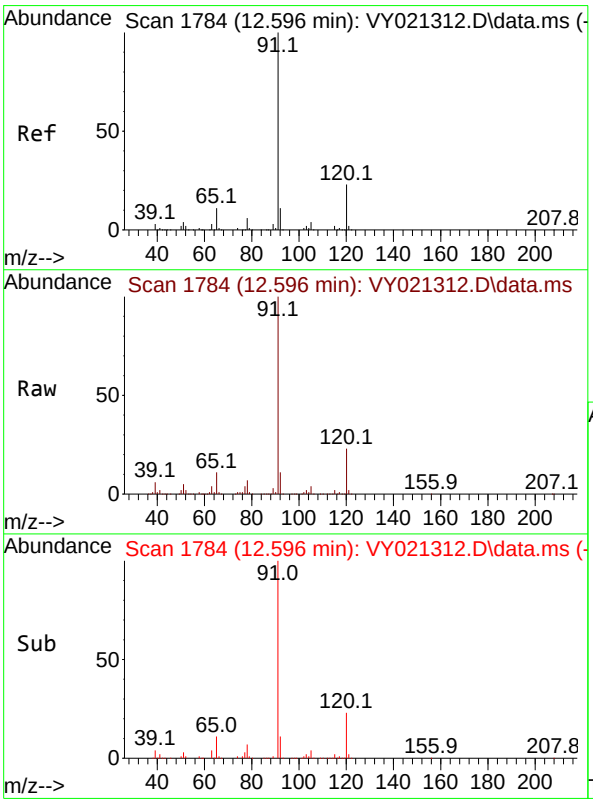
#77
Bromobenzene
Concen: 51.935 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 110538

Ion	Ratio	Lower	Upper
156	100		
77	188.1	94.0	282.1
158	97.4	48.7	146.1

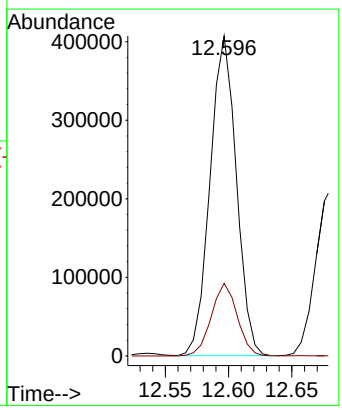


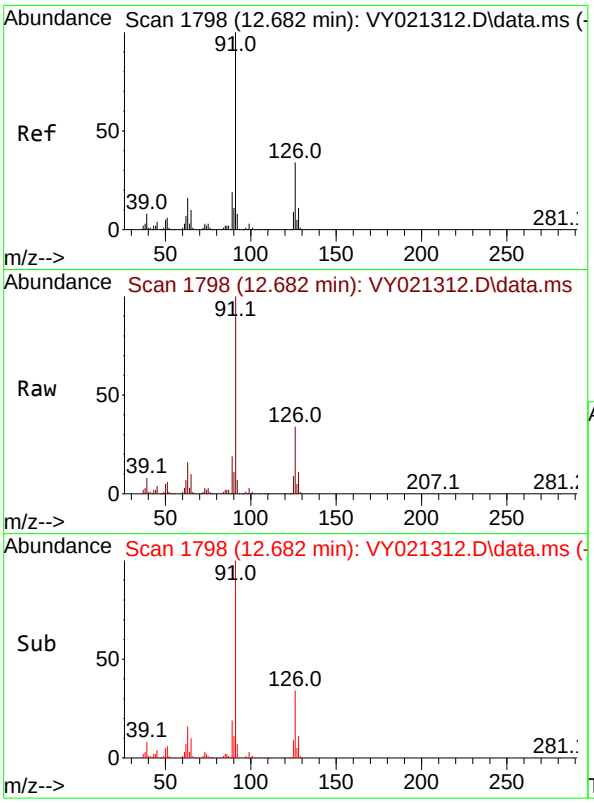


#78
n-propylbenzene
Concen: 52.946 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 587915

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5



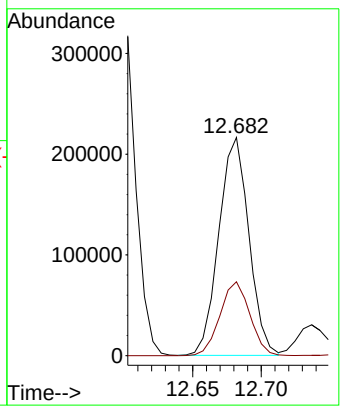


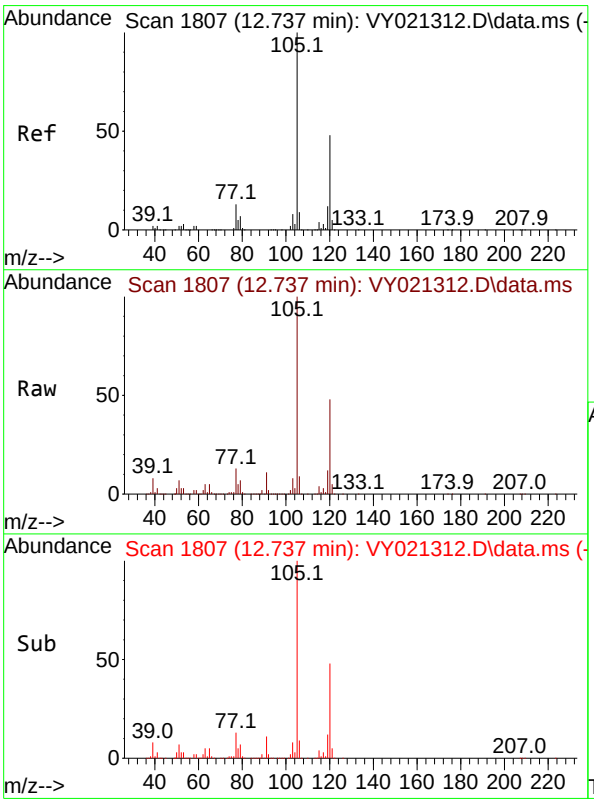
#79
2-Chlorotoluene
Concen: 51.857 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 330472

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6

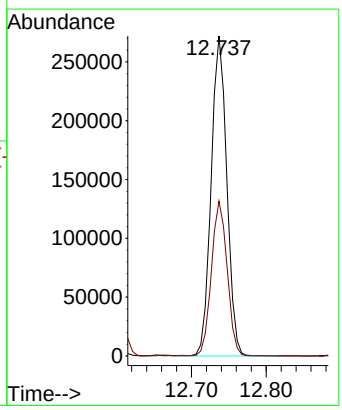


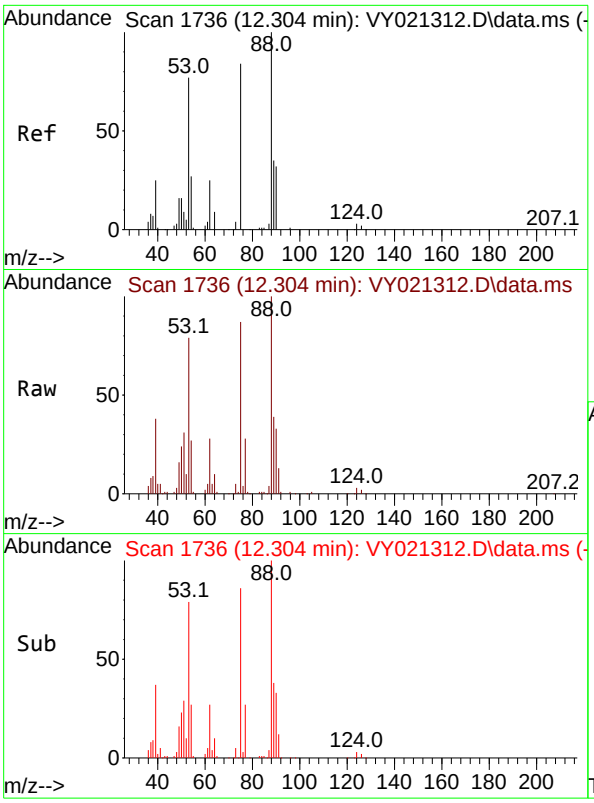


#80
1,3,5-Trimethylbenzene
Concen: 52.712 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395609

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	73.0



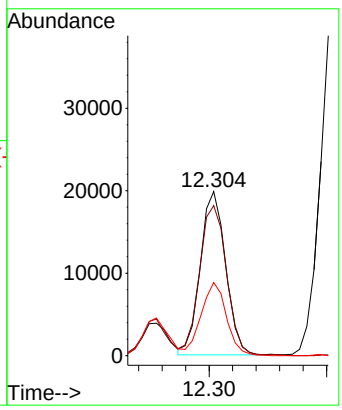


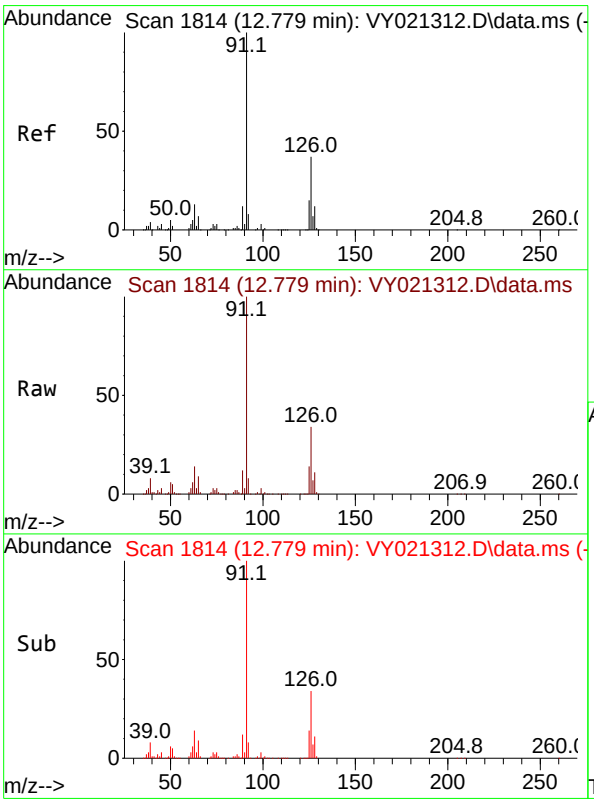
#81
trans-1,4-Dichloro-2-butene
Concen: 54.090 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 29649

Ion	Ratio	Lower	Upper
75	100		
53	98.9	79.1	118.7
89	44.5	35.6	53.4

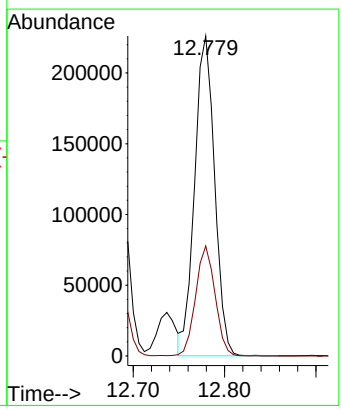


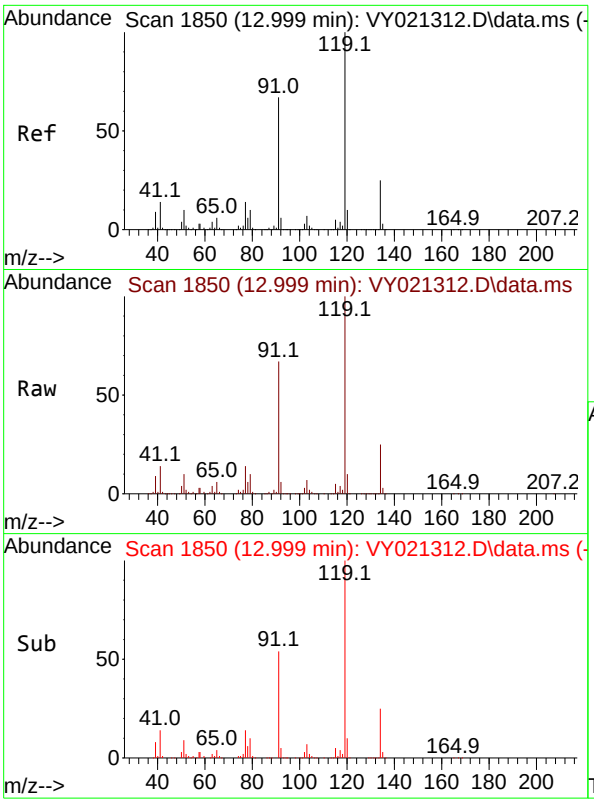


#82
4-Chlorotoluene
Concen: 51.864 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 91 Resp: 342611

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



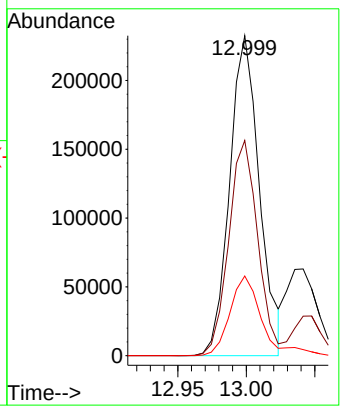


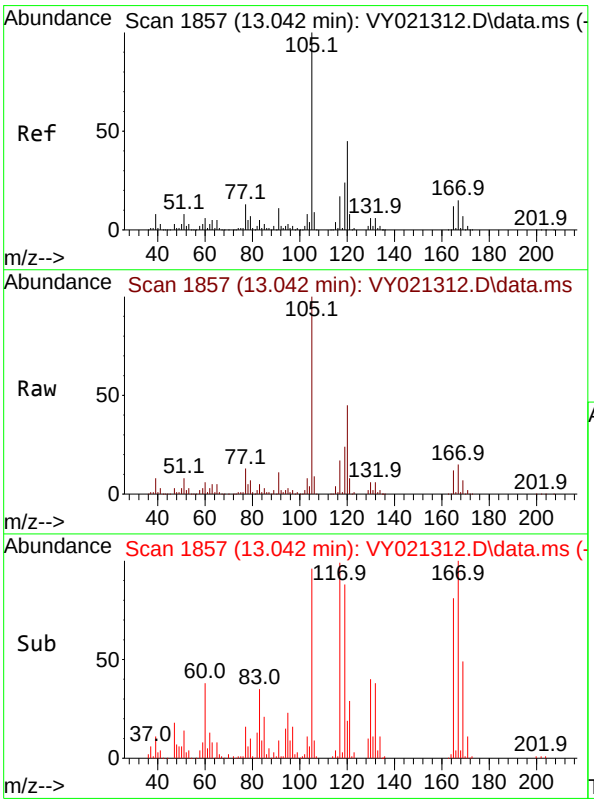
#83
tert-Butylbenzene
Concen: 51.930 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 352055

Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.7	98.1
134	26.6	13.3	39.9

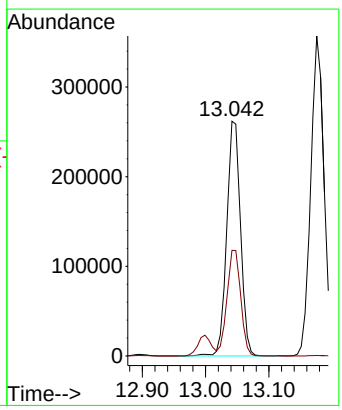


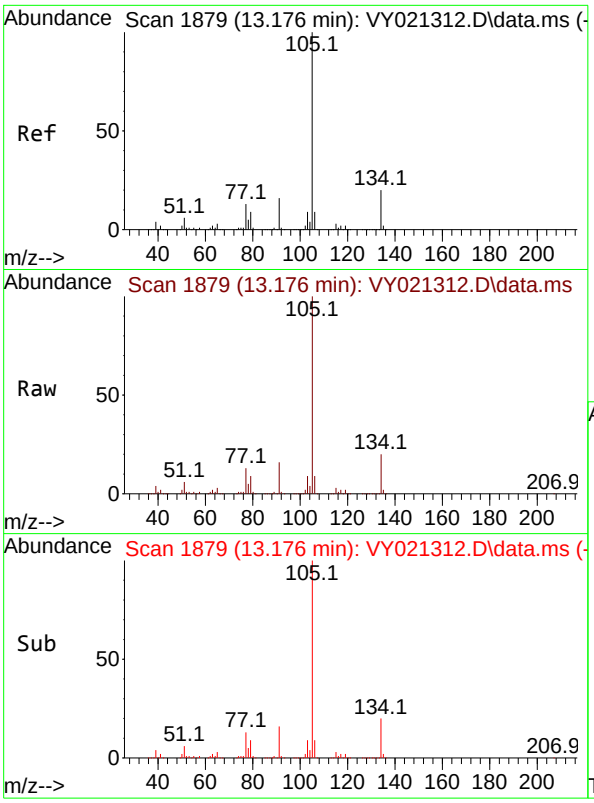


#84
1,2,4-Trimethylbenzene
Concen: 52.962 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:105 Resp: 395315

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3



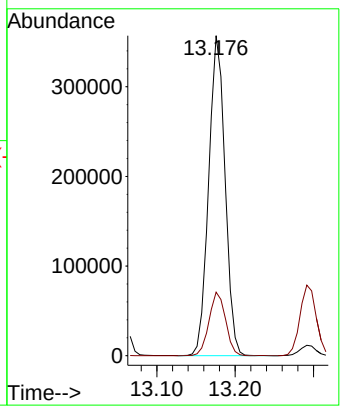


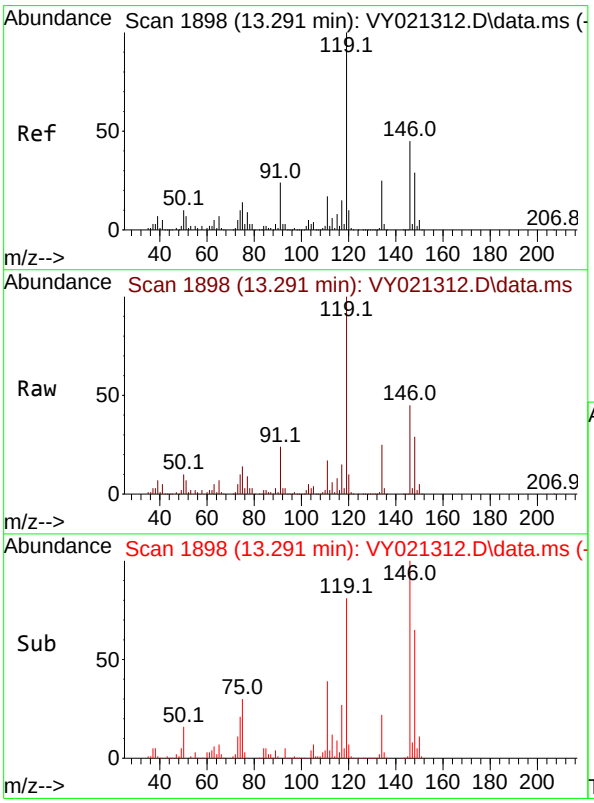
#85
sec-Butylbenzene
Concen: 52.319 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 518094

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

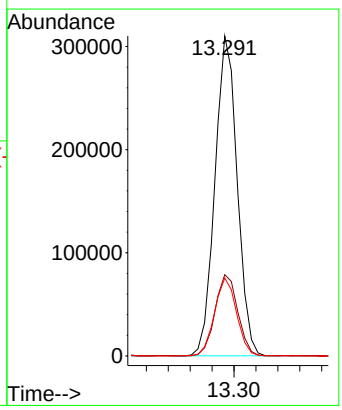


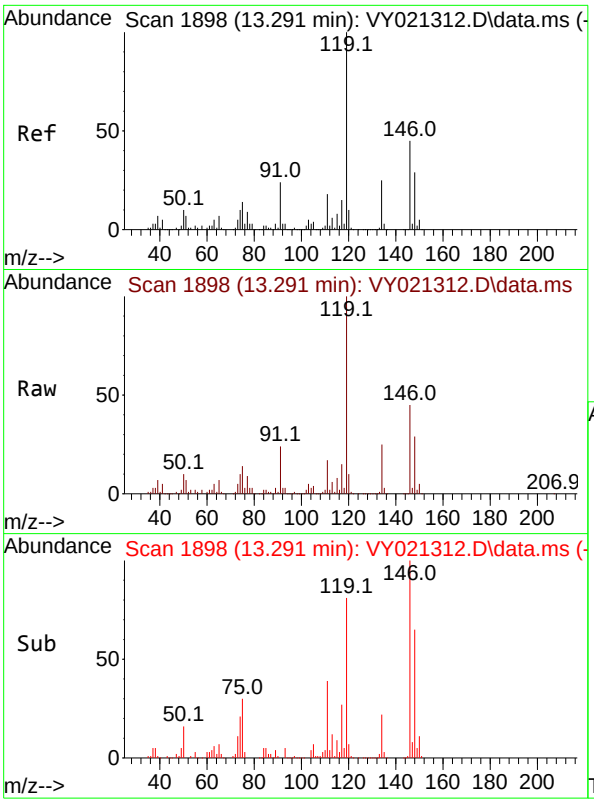


#86
p-Isopropyltoluene
Concen: 52.884 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:119 Resp: 437283

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.1	12.0	36.1



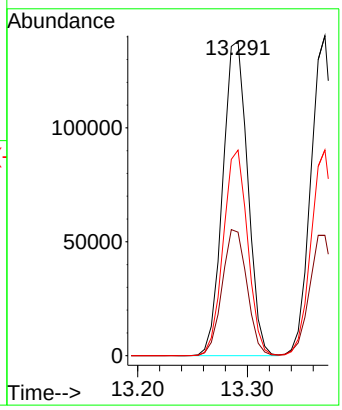


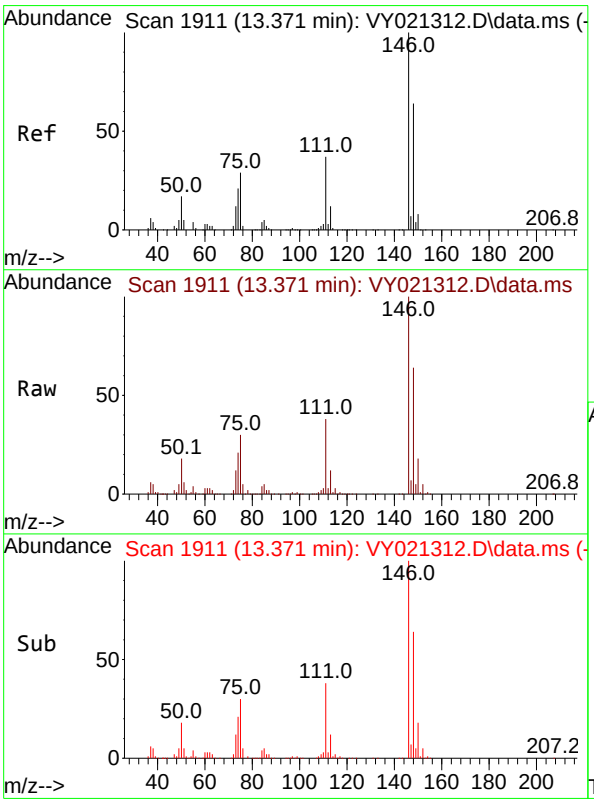
#87
1,3-Dichlorobenzene
Concen: 51.811 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 218136

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.9	31.9	95.9

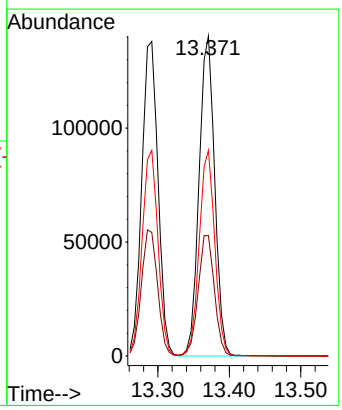


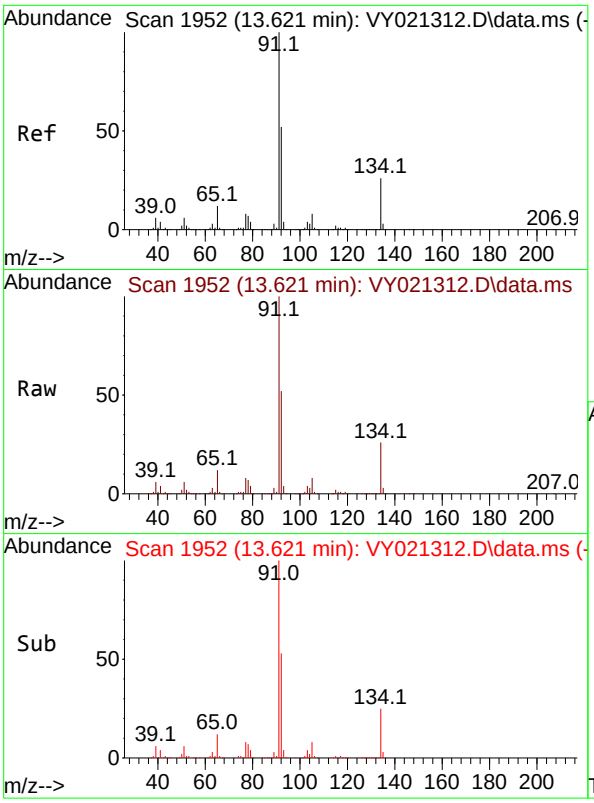


#88
1,4-Dichlorobenzene
Concen: 51.233 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:146 Resp: 213090

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.1	32.0	96.2



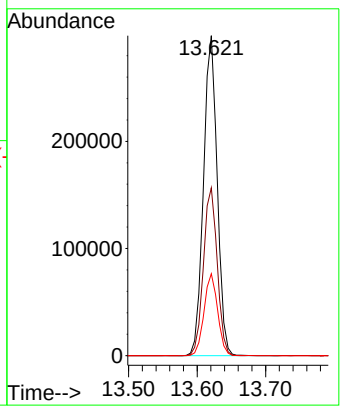


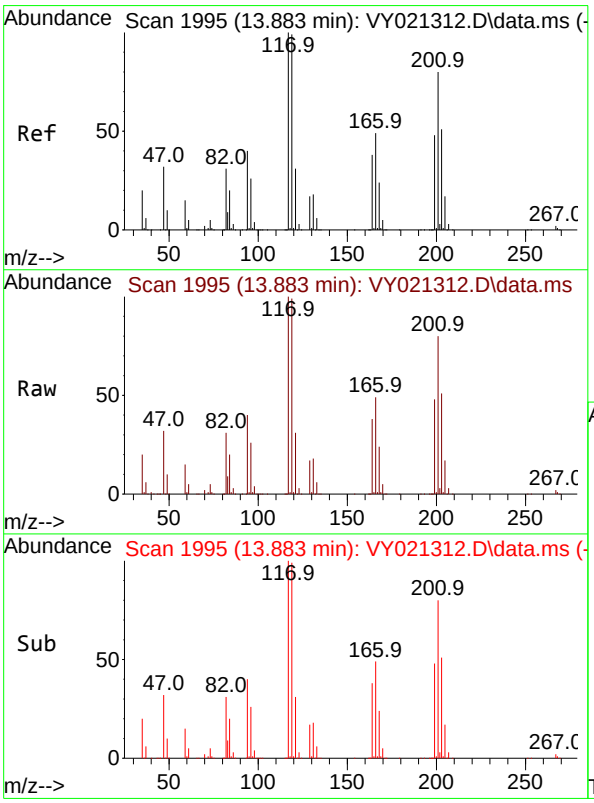
#89
n-Butylbenzene
Concen: 53.510 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 416377

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.3	12.7	38.0

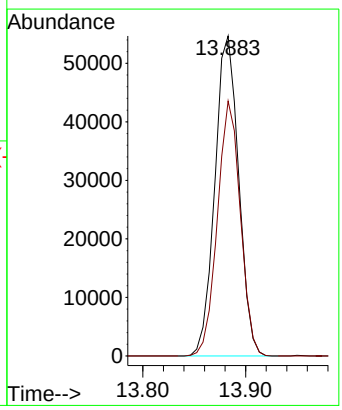


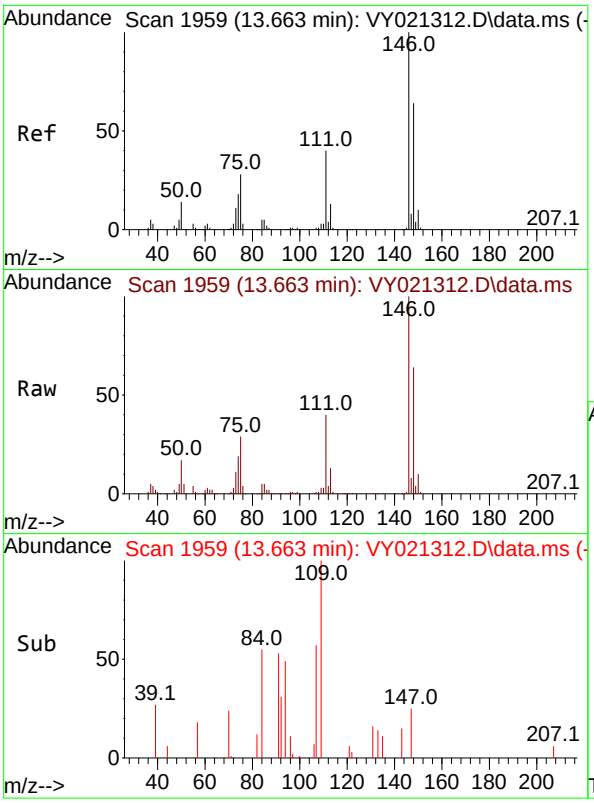


#90
Hexachloroethane
Concen: 50.814 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:117 Resp: 87765

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2



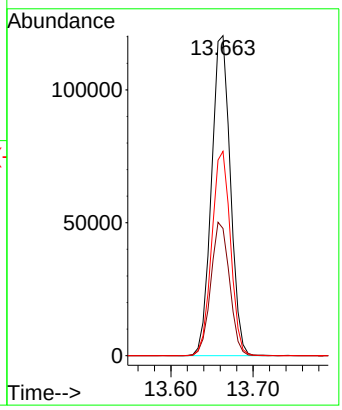


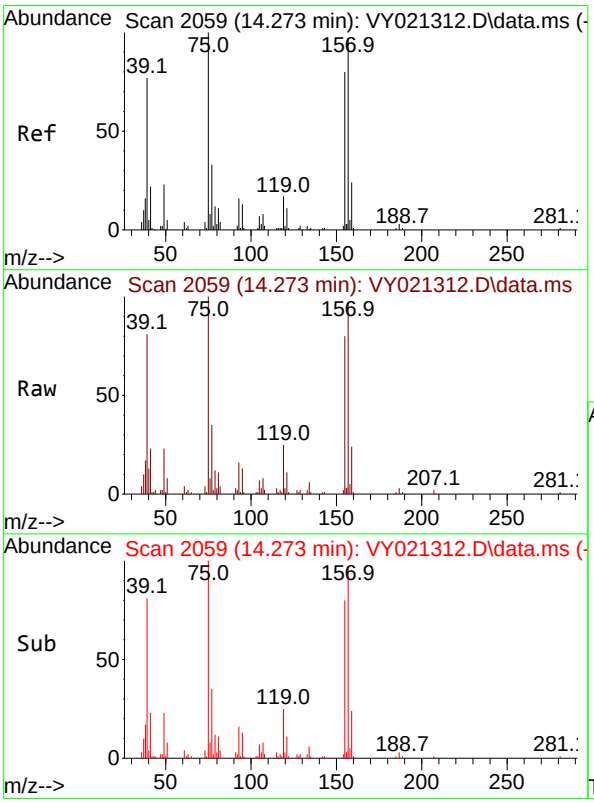
#91
1,2-Dichlorobenzene
Concen: 51.985 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 191758

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.4	31.7	95.1

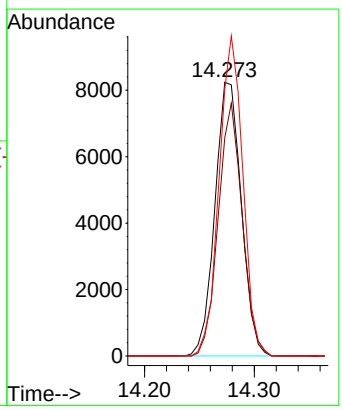


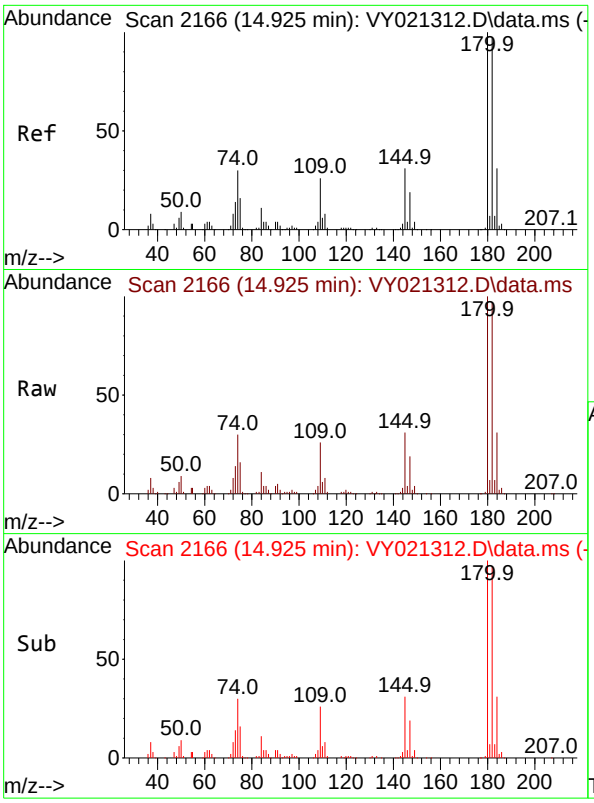


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.947 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion: 75 Resp: 13782

Ion	Ratio	Lower	Upper
75	100		
155	83.7	41.9	125.6
157	105.1	52.5	157.6



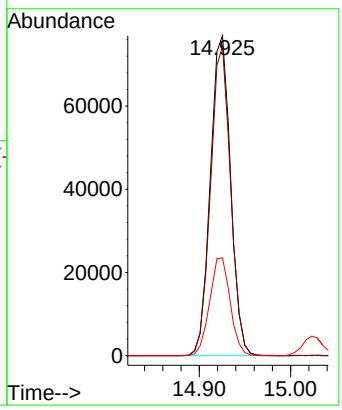


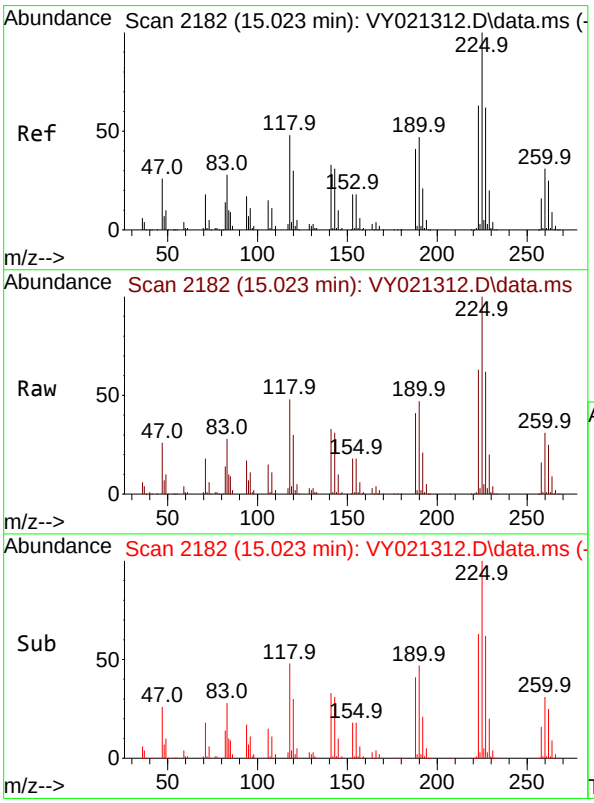
#93
1,2,4-Trichlorobenzene
Concen: 52.360 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 117882

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.2	15.6	46.8

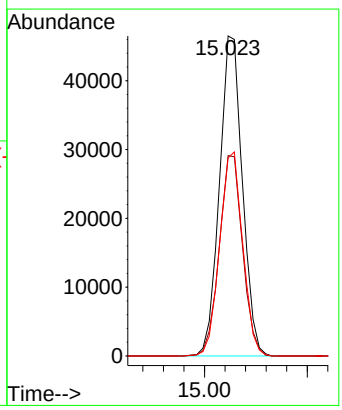


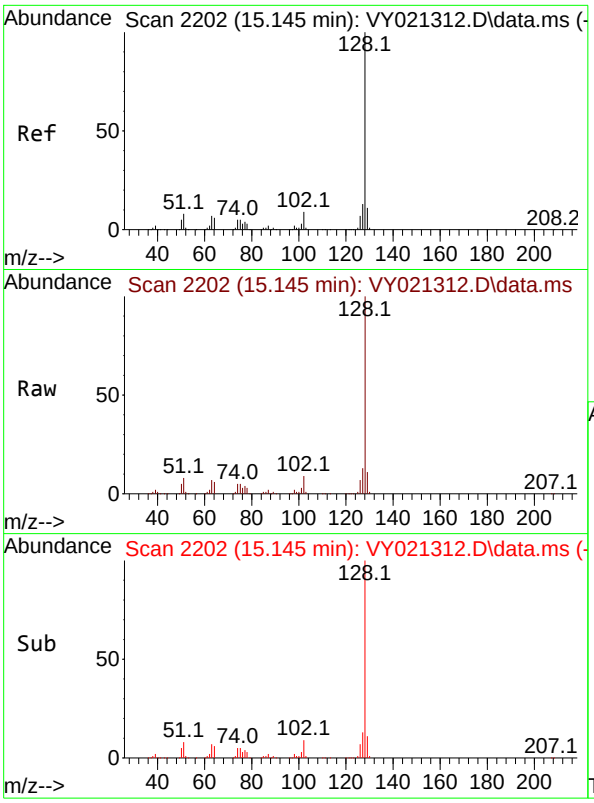


#94
Hexachlorobutadiene
Concen: 50.738 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:225 Resp: 71915

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.8	95.4
227	63.8	31.9	95.7



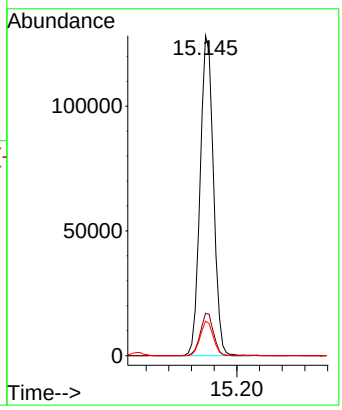


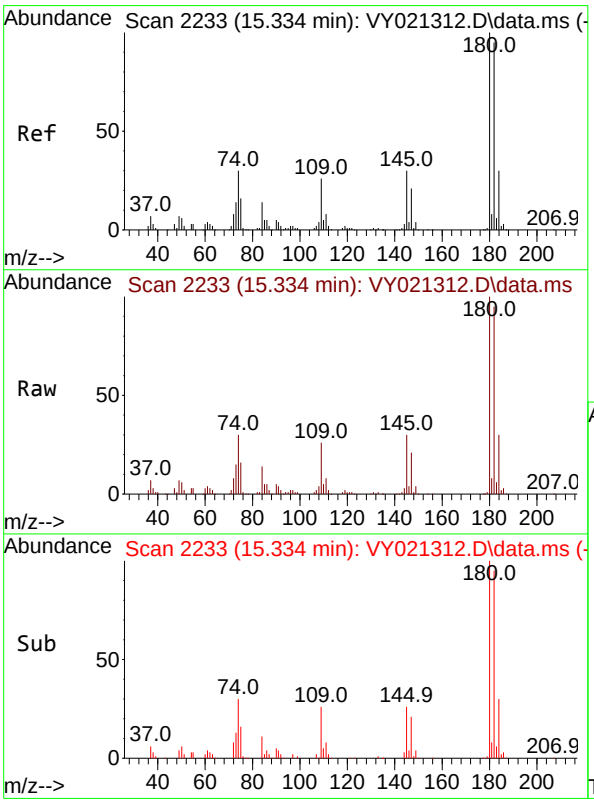
#95
Naphthalene
Concen: 56.174 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 209478

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.6	8.5	12.7

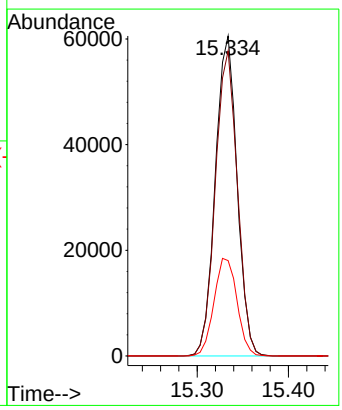




#96
1,2,3-Trichlorobenzene
Concen: 52.735 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021312.D
Acq: 25 Feb 2025 14:48

Tgt Ion:180 Resp: 100312

Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	32.2	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	180458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	283003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306215	149.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 299.160%#			
35) Dibromofluoromethane	7.634	113	283537	152.818	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.640%#			
50) Toluene-d8	10.103	98	1094820	152.682	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 305.360%#			
62) 4-Bromofluorobenzene	12.401	95	369071	152.937	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	259643	151.753	ug/l	99
3) Chloromethane	2.068	50	323414	146.365	ug/l	99
4) Vinyl Chloride	2.202	62	328290	151.368	ug/l	97
5) Bromomethane	2.580	94	200754	139.293	ug/l	100
6) Chloroethane	2.726	64	197463	146.820	ug/l	97
7) Trichlorofluoromethane	3.056	101	492238	150.283	ug/l	98
8) Diethyl Ether	3.452	74	154649	157.312	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	293114	154.570	ug/l	99
10) Methyl Iodide	4.000	142	338246	169.542	ug/l	99
11) Tert butyl alcohol	4.860	59	106628	677.165	ug/l	99
12) 1,1-Dichloroethene	3.787	96	280431	154.445	ug/l	98
13) Acrolein	3.647	56	17213	142.652	ug/l	96
14) Allyl chloride	4.378	41	507854	157.755	ug/l	98
15) Acrylonitrile	5.055	53	344988	793.713	ug/l	99
16) Acetone	3.860	43	280172	713.470	ug/l	97
17) Carbon Disulfide	4.104	76	908476	150.676	ug/l	99
18) Methyl Acetate	4.378	43	149226	155.496	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	763596	159.172	ug/l	100
20) Methylene Chloride	4.610	84	296032	139.409	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	308627	154.401	ug/l	98
22) Diisopropyl ether	6.018	45	1028788	154.433	ug/l	96
23) Vinyl Acetate	5.957	43	3191401	801.685	ug/l	99
24) 1,1-Dichloroethane	5.915	63	572832	152.564	ug/l	98
25) 2-Butanone	6.890	43	462541	780.449	ug/l	97
26) 2,2-Dichloropropane	6.884	77	515178	151.214	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	354979	155.519	ug/l	99
28) Bromochloromethane	7.244	49	251245	151.227	ug/l	99
29) Tetrahydrofuran	7.256	42	309130	797.978	ug/l	99
30) Chloroform	7.421	83	574920	151.112	ug/l	100
31) Cyclohexane	7.695	56	525636	145.637	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	529792	152.986	ug/l	99
36) 1,1-Dichloropropene	7.835	75	429157	153.985	ug/l	100
37) Ethyl Acetate	6.982	43	216920	156.470	ug/l	100
38) Carbon Tetrachloride	7.817	117	481774	153.764	ug/l	99
39) Methylcyclohexane	9.103	83	563132	159.752	ug/l	97
40) Benzene	8.079	78	1249573	151.673	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.219	41	123663	159.542 ug/l		95
42) 1,2-Dichloroethane	8.152	62	355374	152.036 ug/l		99
43) Isopropyl Acetate	8.195	43	433742	161.641 ug/l		98
44) Trichloroethene	8.865	130	318590	154.457 ug/l		99
45) 1,2-Dichloropropane	9.140	63	302967	152.809 ug/l		99
46) Dibromomethane	9.231	93	168654	155.620 ug/l		99
47) Bromodichloromethane	9.420	83	448398	155.172 ug/l		99
48) Methyl methacrylate	9.219	41	213222	169.923 ug/l		100
49) 1,4-Dioxane	9.225	88	38142	3165.209 ug/l		93
51) 4-Methyl-2-Pentanone	9.993	43	1121500	816.471 ug/l		100
52) Toluene	10.170	92	794485	155.232 ug/l		100
53) t-1,3-Dichloropropene	10.390	75	432560	163.384 ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	493601	157.928 ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	215312	152.506 ug/l		98
56) Ethyl methacrylate	10.438	69	337816	173.168 ug/l		99
57) 1,3-Dichloropropane	10.713	76	385803	155.726 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	761125	812.859 ug/l		100
59) 2-Hexanone	10.755	43	754575	836.458 ug/l		98
60) Dibromochloromethane	10.908	129	299188	155.598 ug/l		99
61) 1,2-Dibromoethane	11.011	107	208046	155.651 ug/l		99
64) Tetrachloroethene	10.646	164	288026	153.351 ug/l		98
65) Chlorobenzene	11.438	112	863676	154.837 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	301244	154.234 ug/l		100
67) Ethyl Benzene	11.517	91	1576743	159.586 ug/l		100
68) m/p-Xylenes	11.627	106	1167839	314.246 ug/l		100
69) o-Xylene	11.950	106	550972	158.258 ug/l		99
70) Styrene	11.969	104	936967	161.754 ug/l		100
71) Bromoform	12.133	173	175918	157.441 ug/l	#	99
73) Isopropylbenzene	12.255	105	1461905	159.969 ug/l		99
74) N-amyl acetate	12.066	43	403238	173.596 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	251216	155.759 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	339496	277.334 ug/l	#	100
77) Bromobenzene	12.529	156	333772	157.025 ug/l		99
78) n-propylbenzene	12.597	91	1765636	159.217 ug/l		100
79) 2-Chlorotoluene	12.682	91	995452	156.411 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1190462	158.830 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	92910	169.722 ug/l		98
82) 4-Chlorotoluene	12.779	91	1021811	154.883 ug/l		100
83) tert-Butylbenzene	12.999	119	1094125	161.602 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1192062	159.915 ug/l		99
85) sec-Butylbenzene	13.176	105	1558540	157.594 ug/l		100
86) p-Isopropyltoluene	13.291	119	1327819	160.795 ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	648204	154.161 ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	635981	153.109 ug/l		100
89) n-Butylbenzene	13.615	91	1269399	163.350 ug/l		99
90) Hexachloroethane	13.877	117	275368	159.641 ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	570360	154.826 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	42060	164.851 ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	384163	170.860 ug/l		99
94) Hexachlorobutadiene	15.023	225	224602	158.670 ug/l		99
95) Naphthalene	15.145	128	694625	186.517 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	326876	172.067 ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

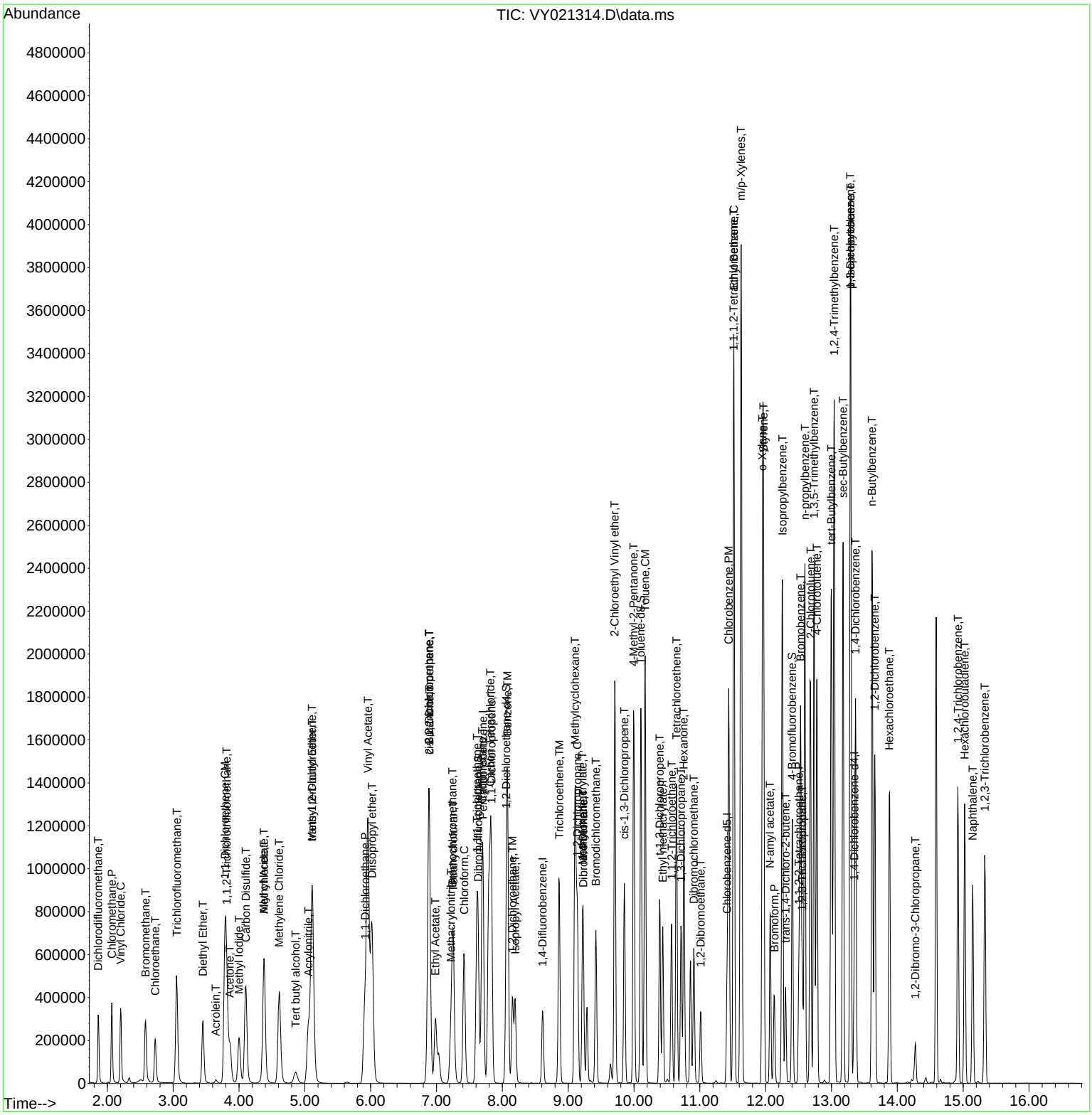
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

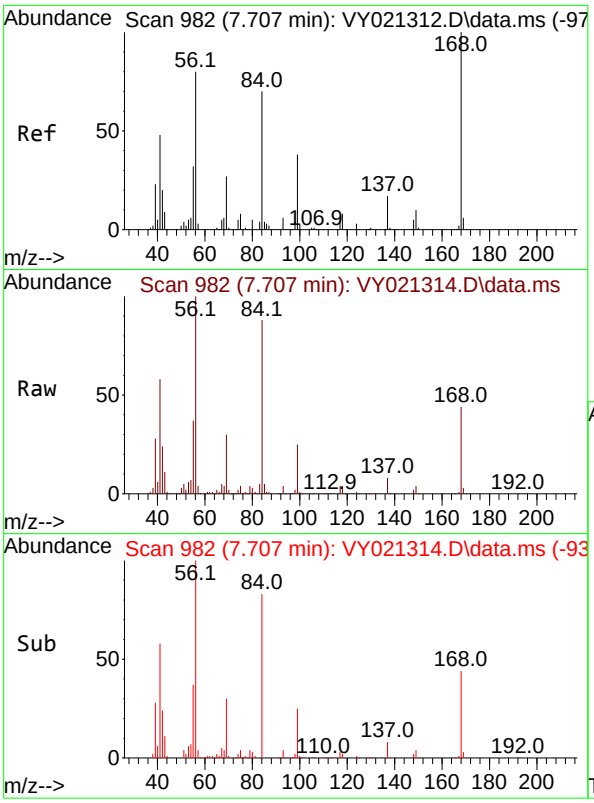
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021314.D
Acq On : 25 Feb 2025 15:57
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Feb 26 01:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



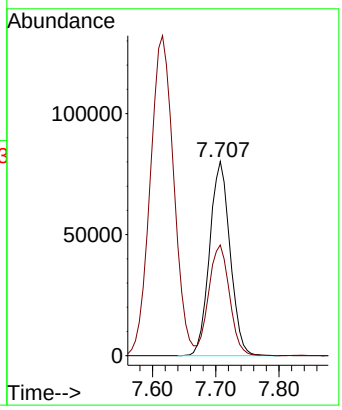


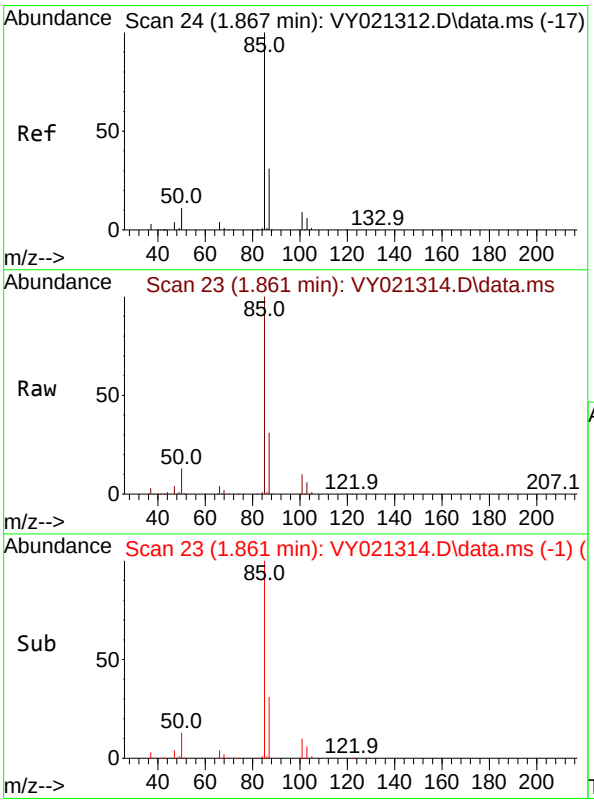
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 180458

Ion	Ratio	Lower	Upper
168	100		
99	57.0	47.1	70.7

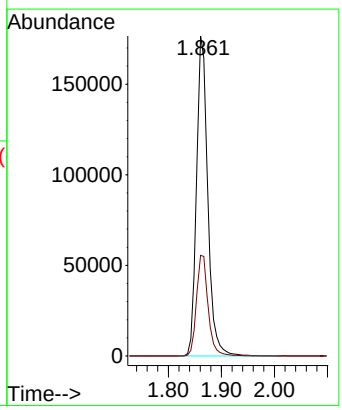


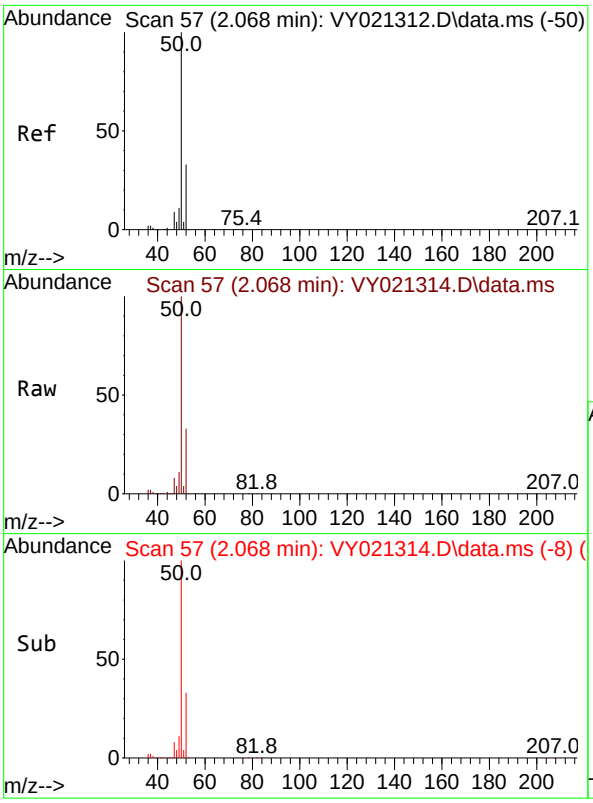


#2
Dichlorodifluoromethane
Concen: 151.753 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 85 Resp: 259643

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.4



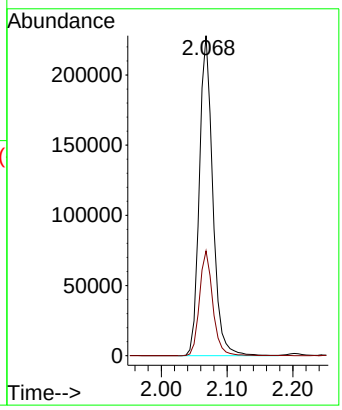


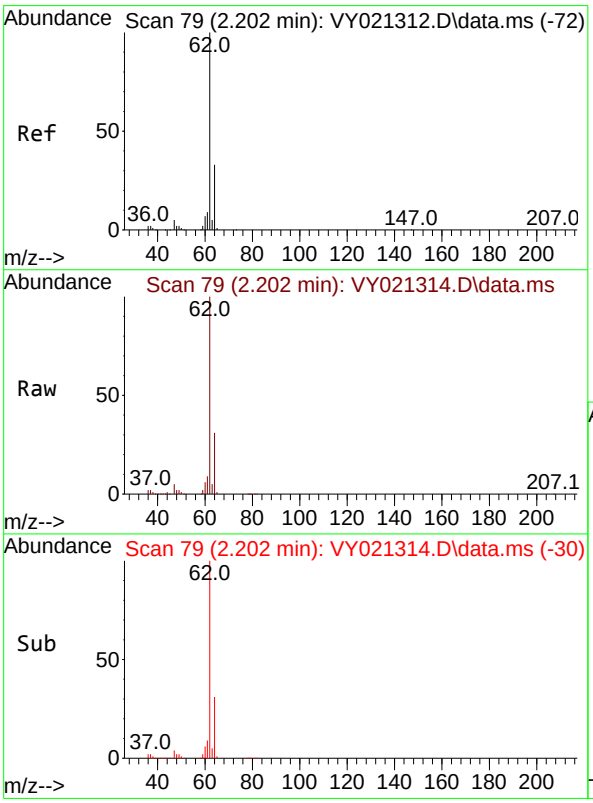
#3
Chloromethane
Concen: 146.365 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 323414

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.6	40.0

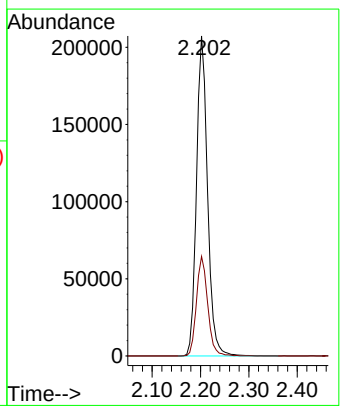


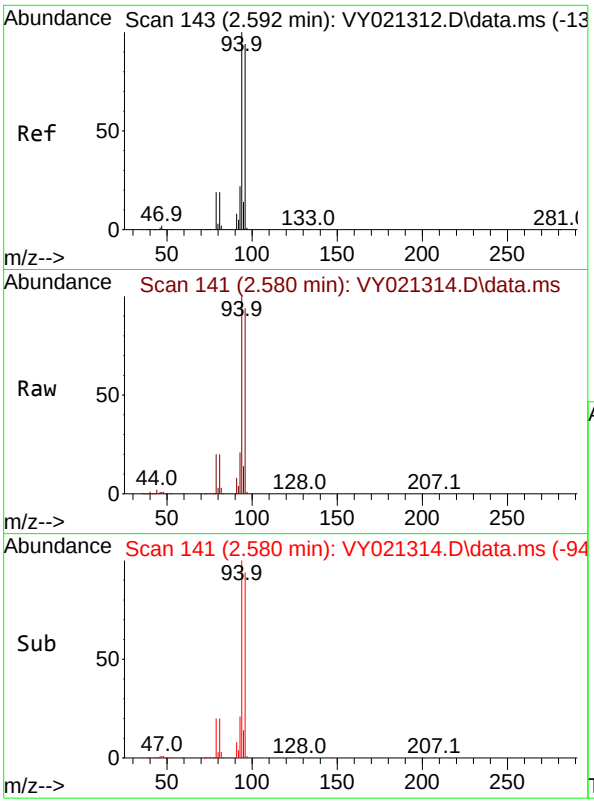


#4
Vinyl Chloride
Concen: 151.368 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 328290

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.3	39.5



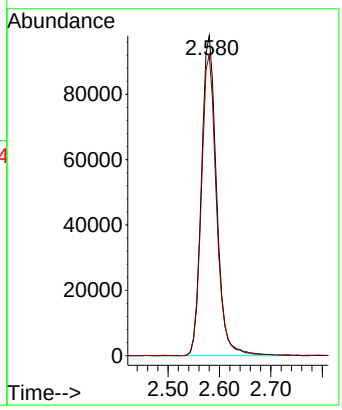


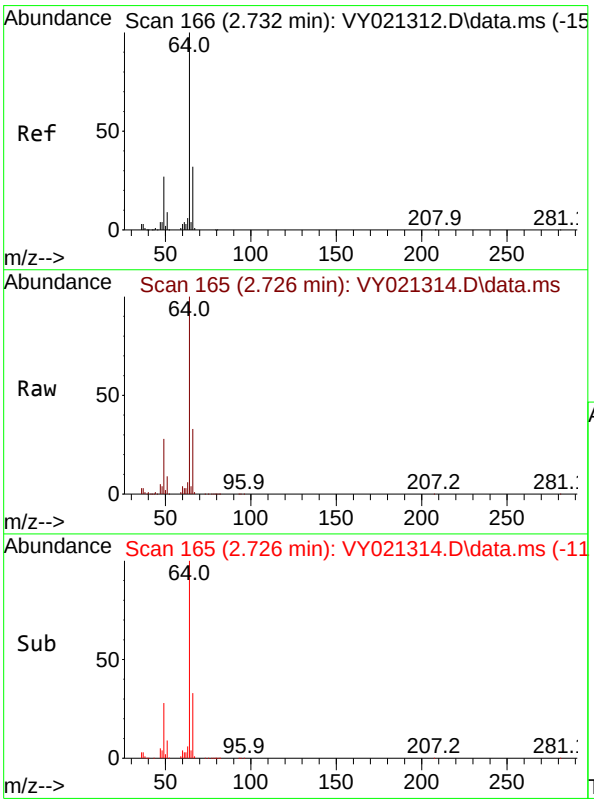
#5
Bromomethane
Concen: 139.293 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 200754

Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.2	112.8

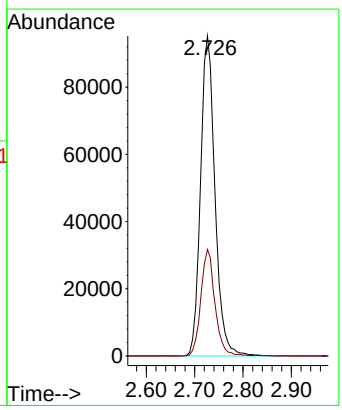


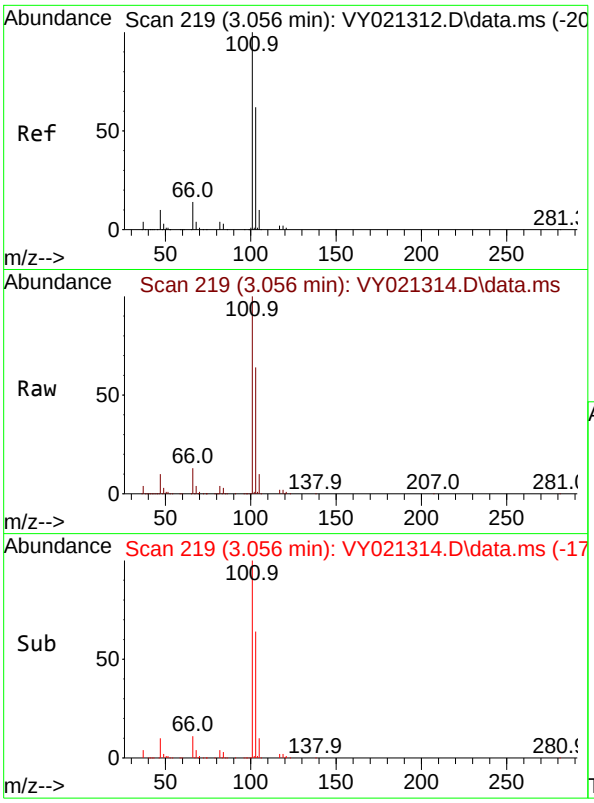


#6
Chloroethane
Concen: 146.820 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 64 Resp: 197463

Ion	Ratio	Lower	Upper
64	100		
66	33.3	25.4	38.0



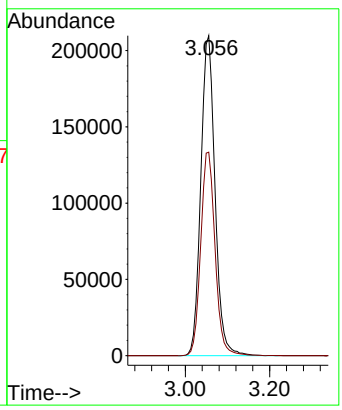


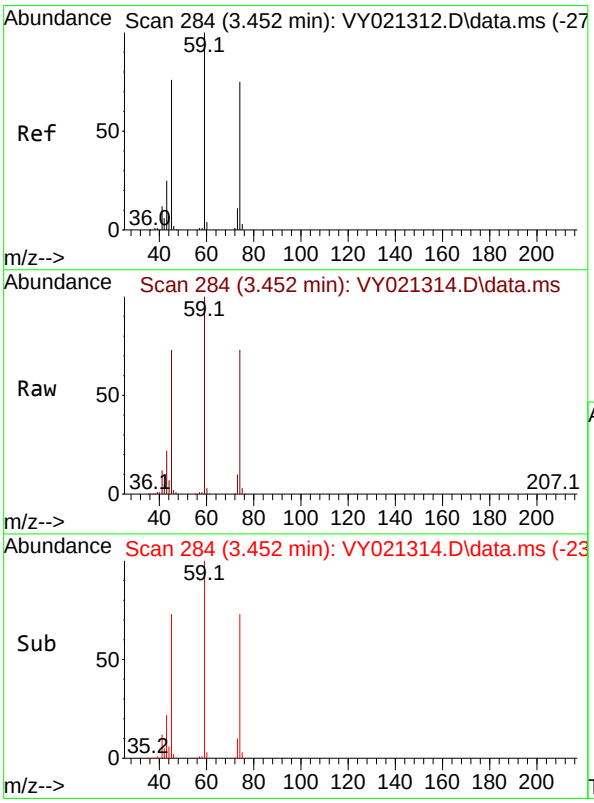
#7
Trichlorofluoromethane
Concen: 150.283 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 492238

Ion	Ratio	Lower	Upper
101	100		
103	63.6	49.7	74.5

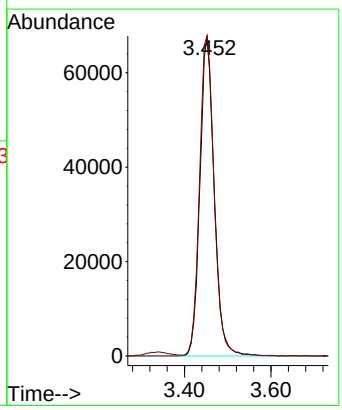


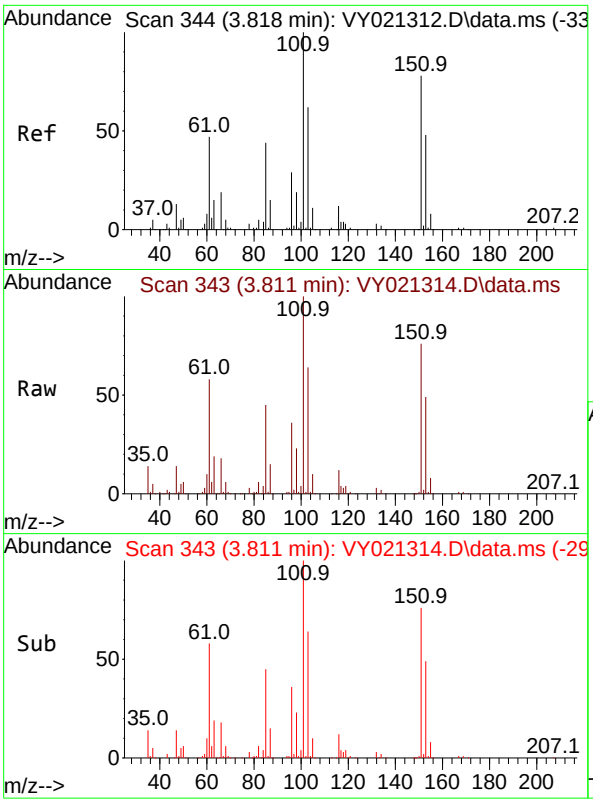


#8
Diethyl Ether
Concen: 157.312 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 74 Resp: 154649

Ion	Ratio	Lower	Upper
74	100		
45	103.0	50.3	150.9



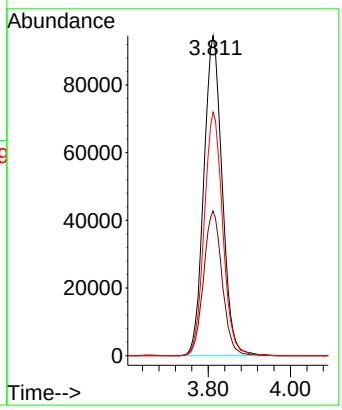


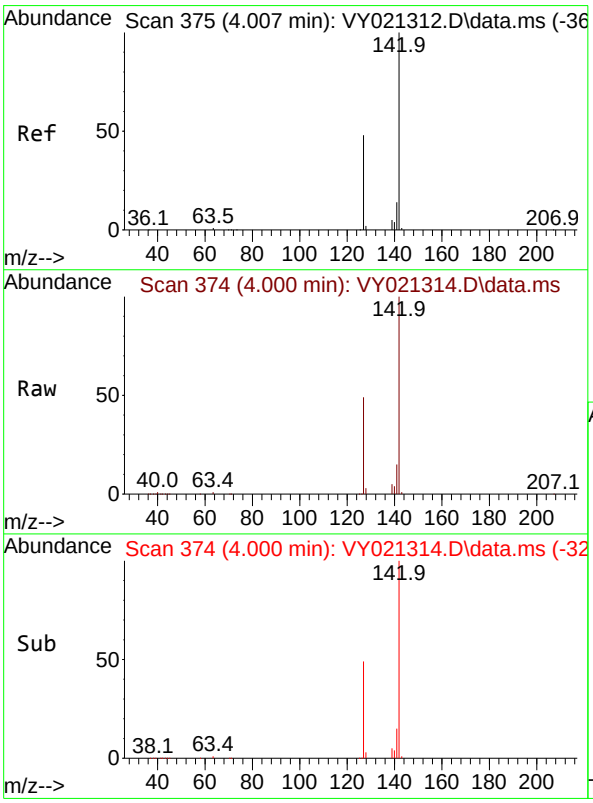
#9
1,1,2-Trichlorotrifluoroethane
Concen: 154.570 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 293114

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.7	55.1
151	76.6	62.6	94.0

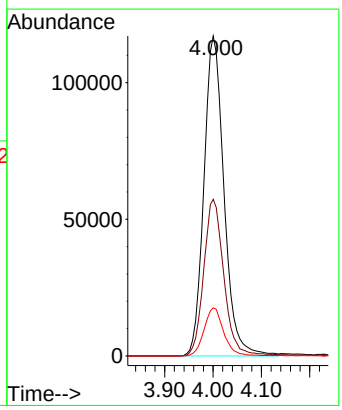


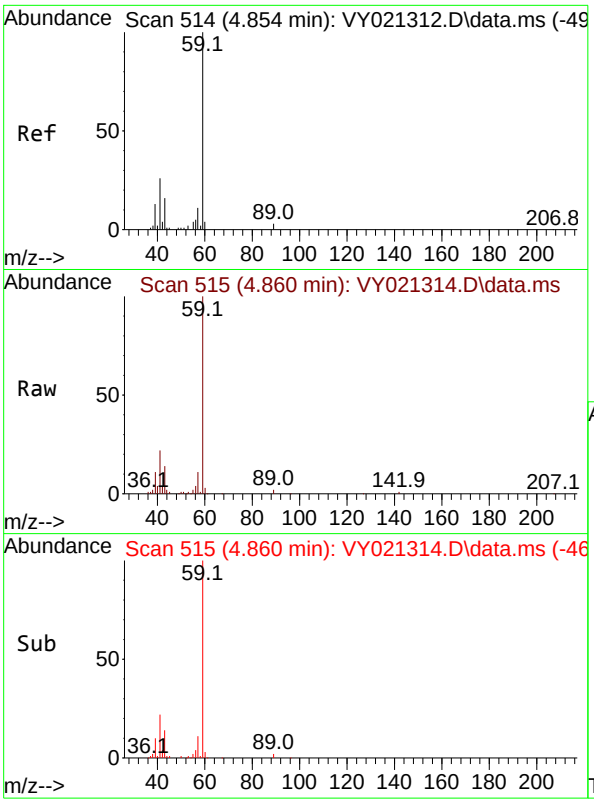


#10
Methyl Iodide
Concen: 169.542 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:142 Resp: 338246

Ion	Ratio	Lower	Upper
142	100		
127	49.4	39.2	58.8
141	14.8	11.4	17.2



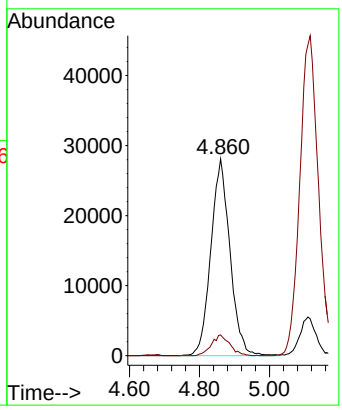


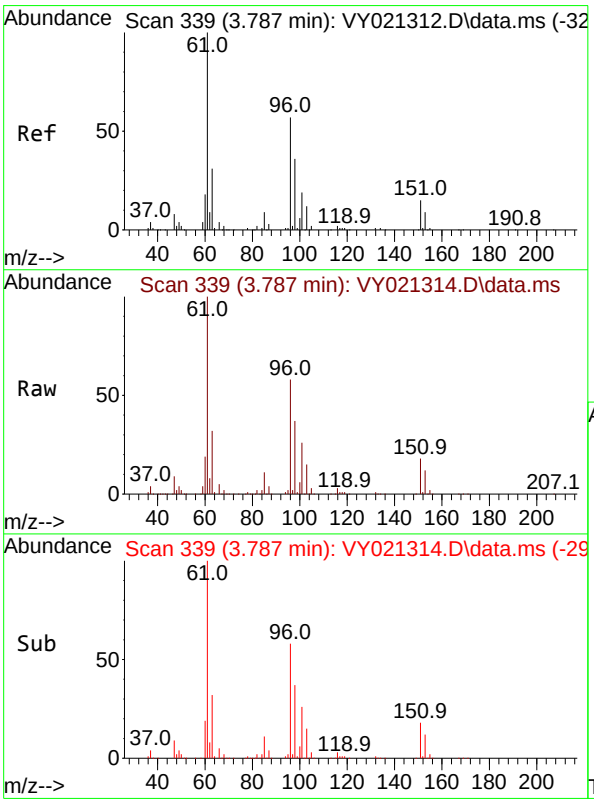
#11
Tert butyl alcohol
Concen: 677.165 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 106628

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

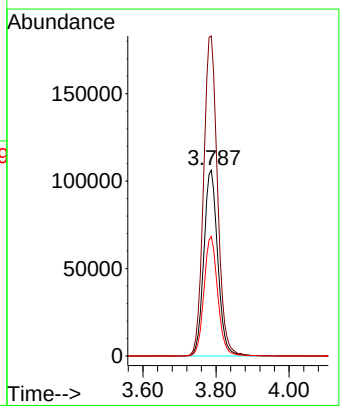


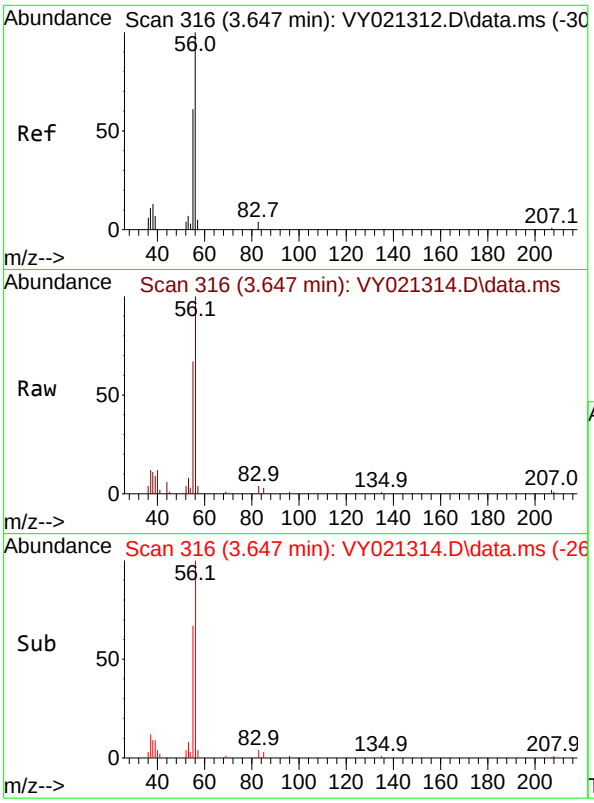


#12
1,1-Dichloroethene
Concen: 154.445 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 96 Resp: 280431

Ion	Ratio	Lower	Upper
96	100		
61	172.2	139.7	209.5
98	64.3	49.7	74.5



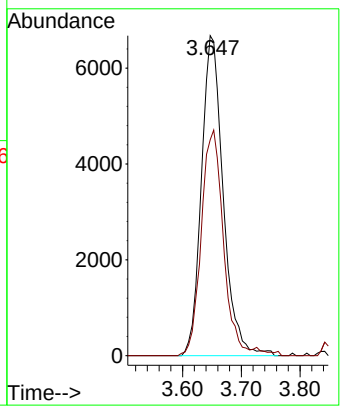


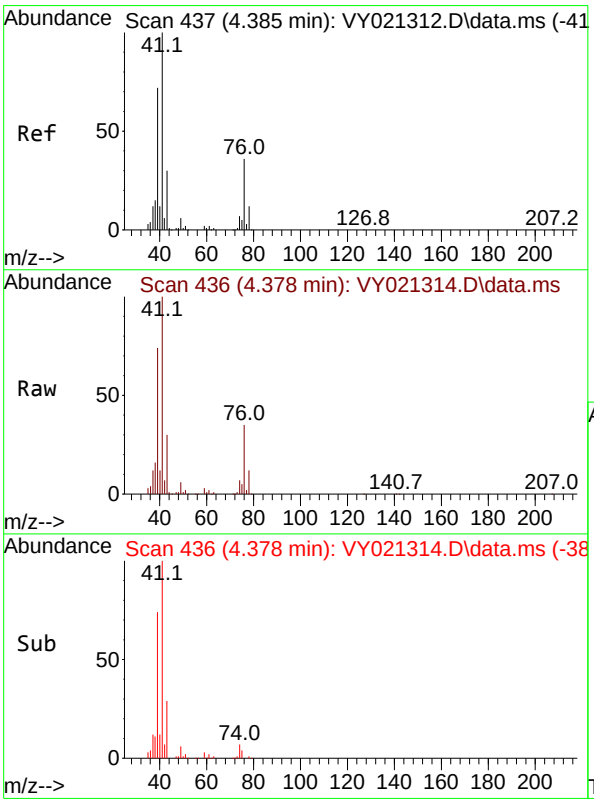
#13
Acrolein
Concen: 142.652 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 17213

Ion	Ratio	Lower	Upper
56	100		
55	70.8	59.0	88.6

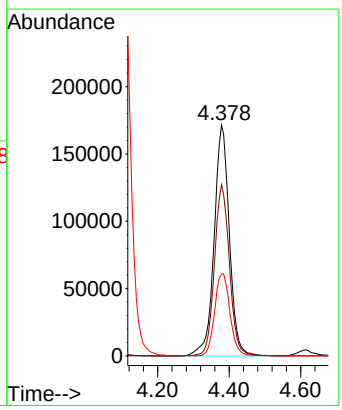


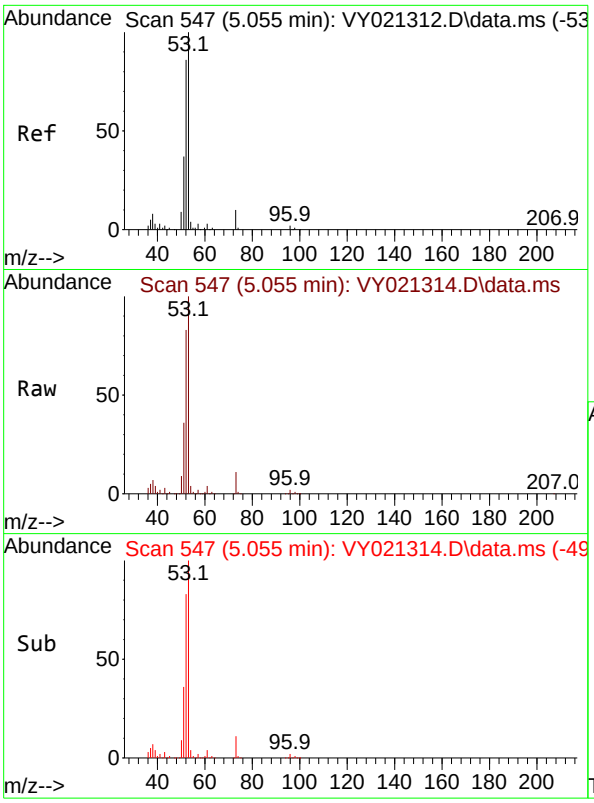


#14
Allyl chloride
Concen: 157.755 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 507854

Ion	Ratio	Lower	Upper
41	100		
39	73.1	60.0	90.0
76	35.8	29.0	43.6



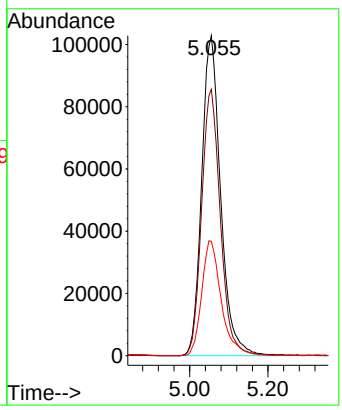


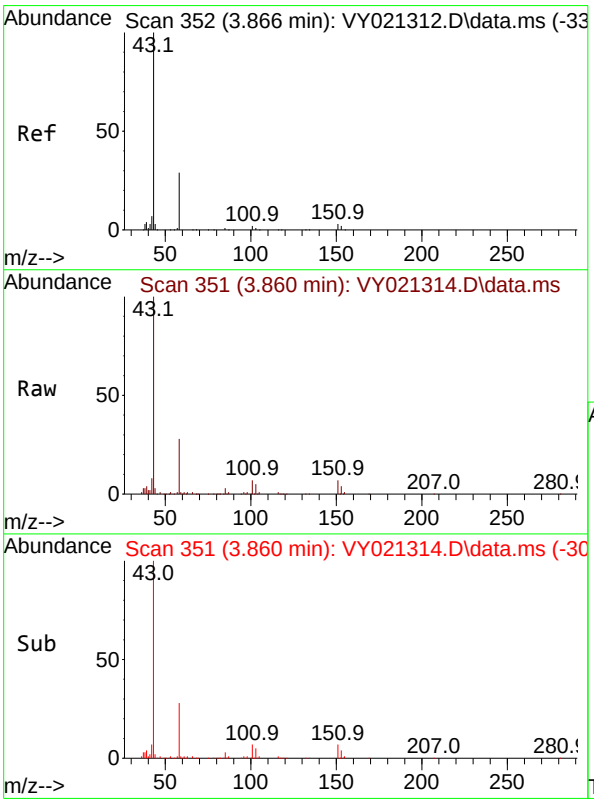
#15
Acrylonitrile
Concen: 793.713 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 344988

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.2	30.6	46.0

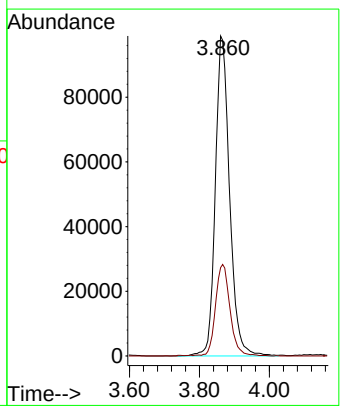


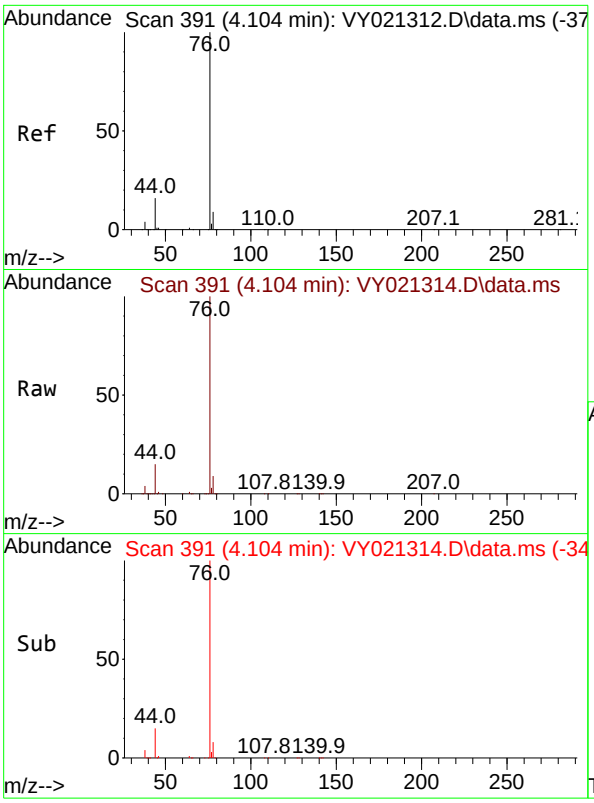


#16
Acetone
Concen: 713.470 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 280172

Ion	Ratio	Lower	Upper
43	100		
58	27.5	23.5	35.3



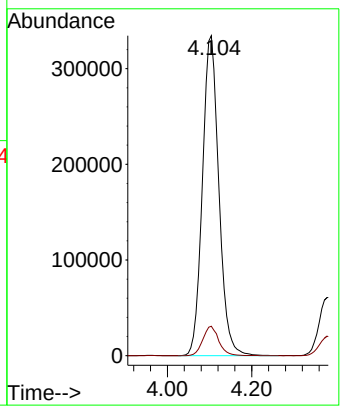


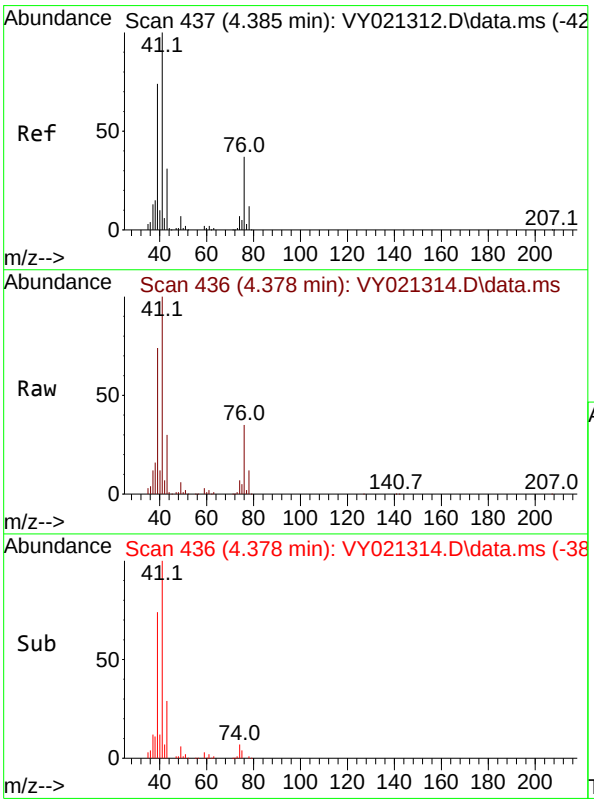
#17
Carbon Disulfide
Concen: 150.676 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 908476

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

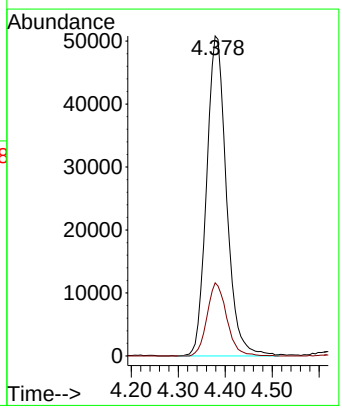


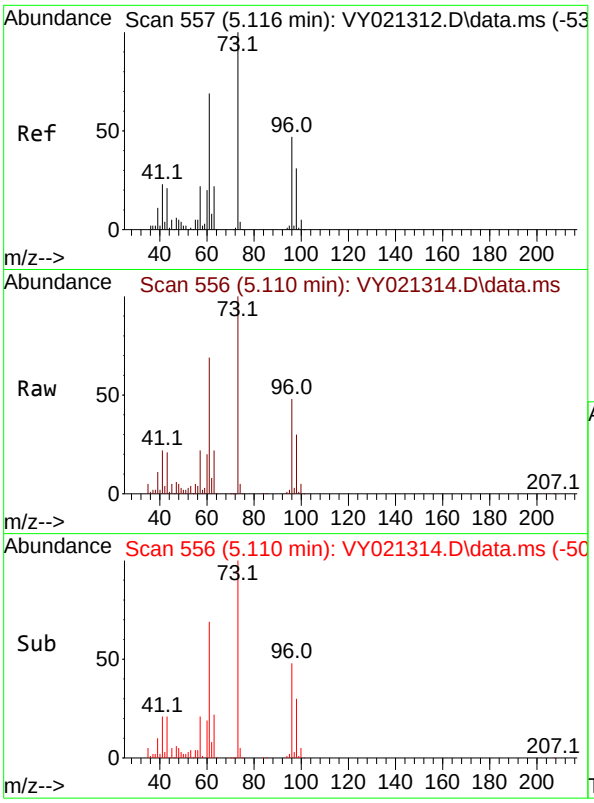


#18
Methyl Acetate
Concen: 155.496 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 149226

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.7	26.5



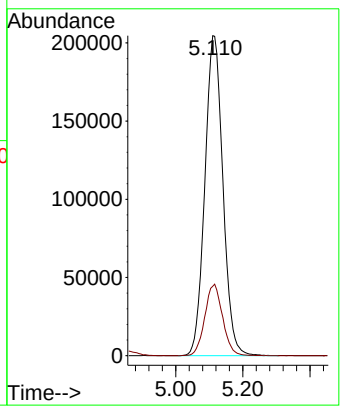


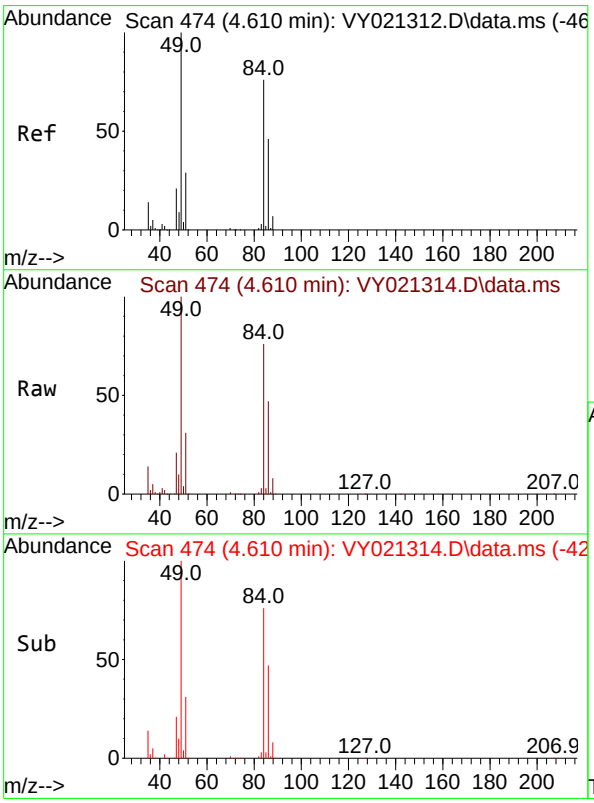
#19
Methyl tert-butyl Ether
Concen: 159.172 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 763596

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0

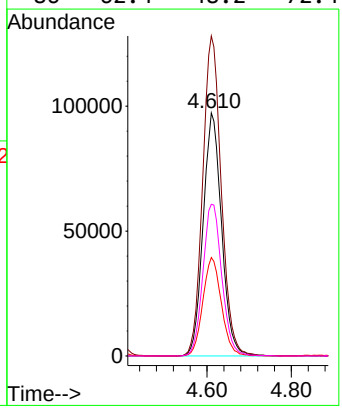


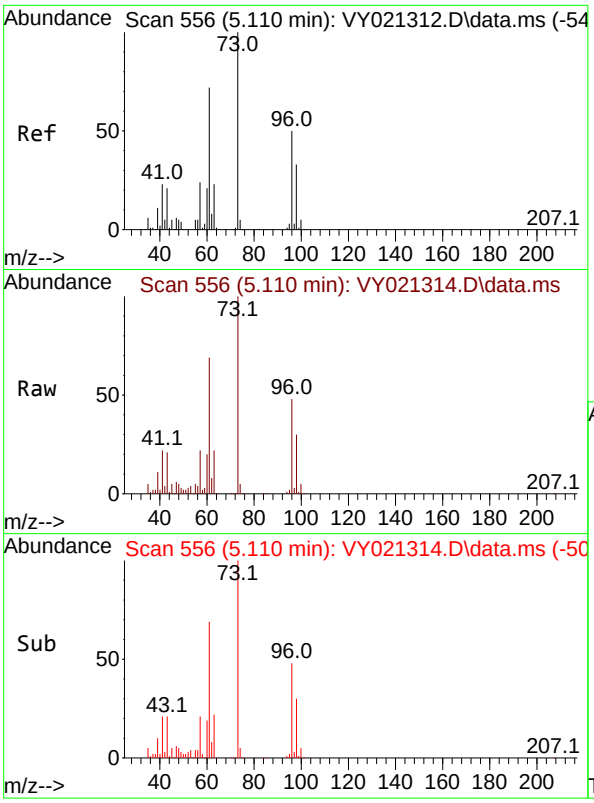


#20
Methylene Chloride
Concen: 139.409 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 84 Resp: 296032

Ion	Ratio	Lower	Upper
84	100		
49	131.6	105.1	157.7
51	40.5	31.0	46.4
86	62.4	48.2	72.4



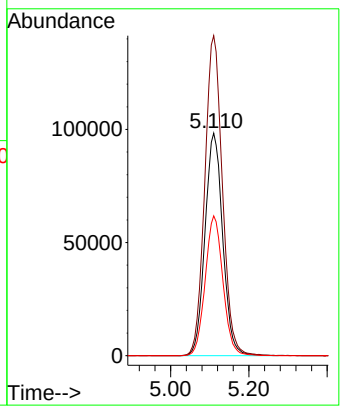


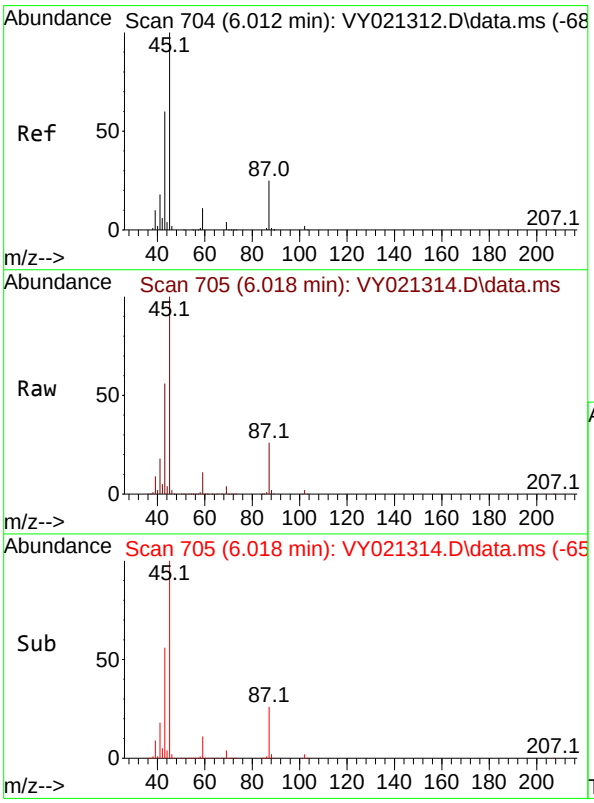
#21
trans-1,2-Dichloroethene
Concen: 154.401 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 308627

Ion	Ratio	Lower	Upper
96	100		
61	143.8	116.3	174.5
98	62.8	52.6	78.8

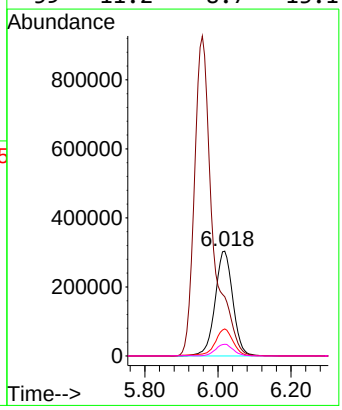


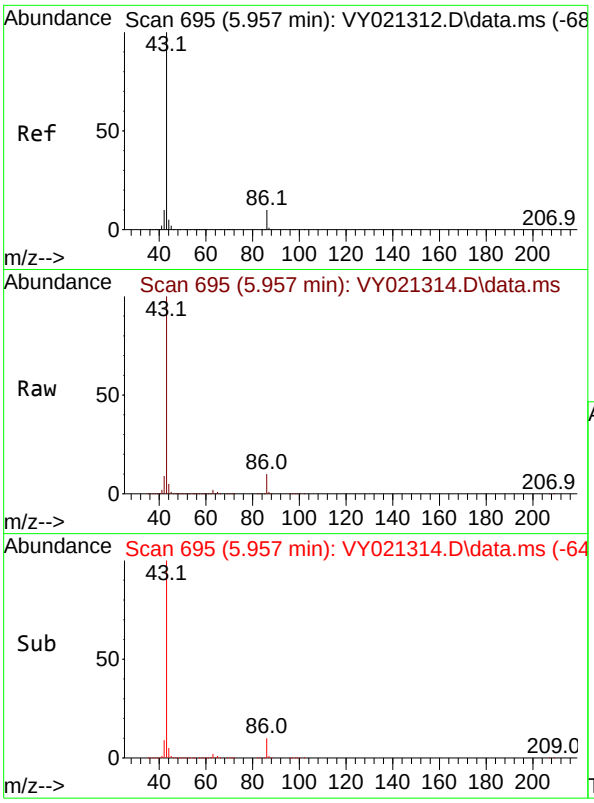


#22
Diisopropyl ether
Concen: 154.433 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 45 Resp: 1028788

Ion	Ratio	Lower	Upper
45	100		
43	56.2	48.2	72.4
87	25.8	20.3	30.5
59	11.2	8.7	13.1



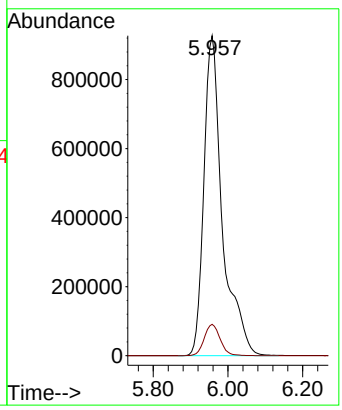


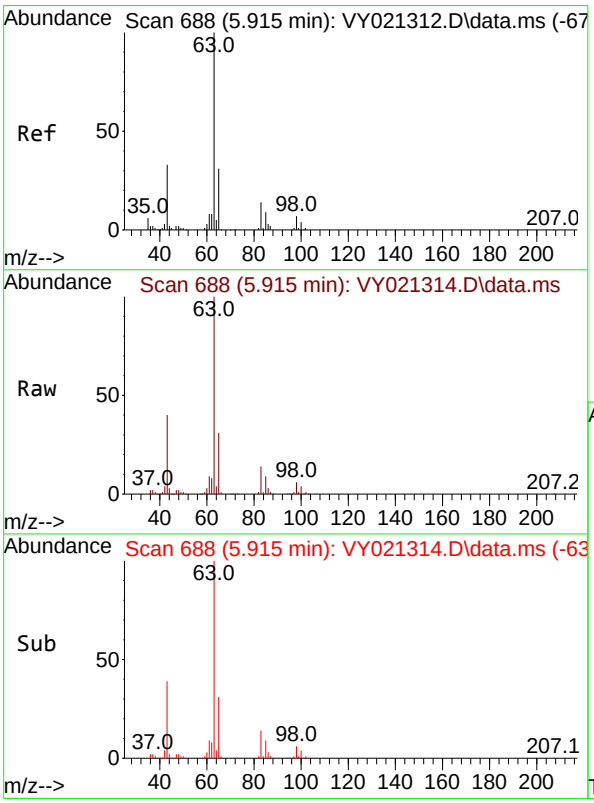
#23
Vinyl Acetate
Concen: 801.685 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3191401

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0

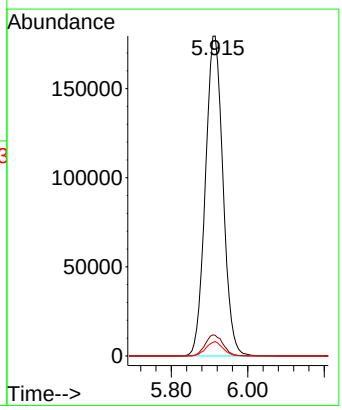


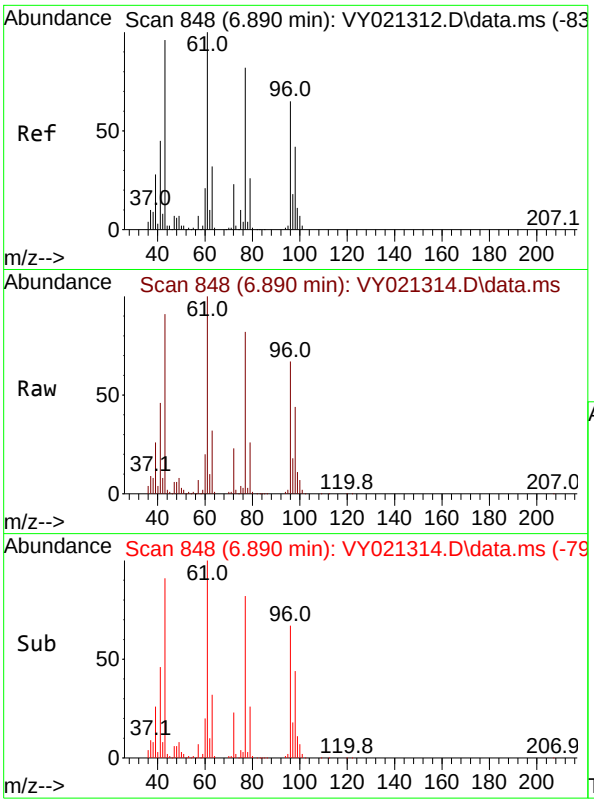


#24
1,1-Dichloroethane
Concen: 152.564 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 572832

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.7	11.1
100	4.5	2.1	6.5



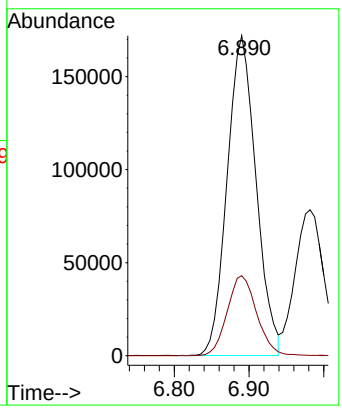


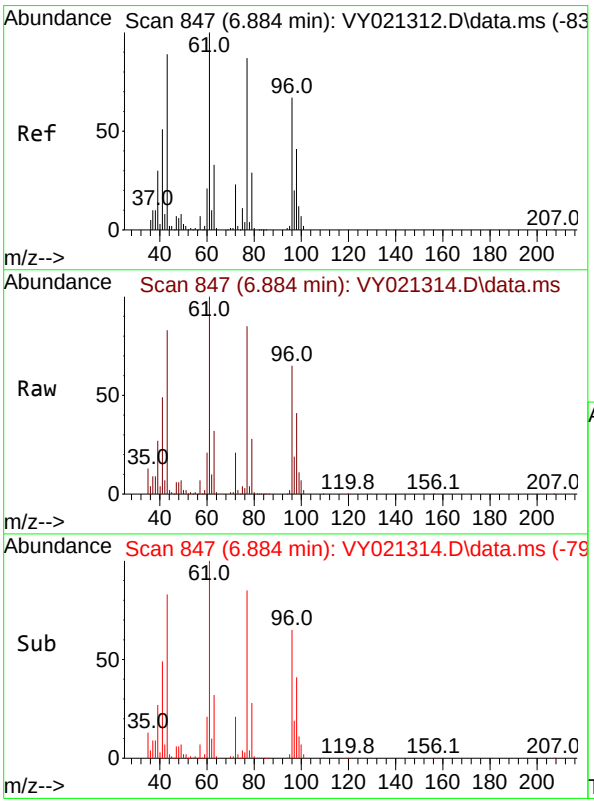
#25
2-Butanone
Concen: 780.449 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 462541

Ion	Ratio	Lower	Upper
43	100		
72	25.0	19.0	28.6

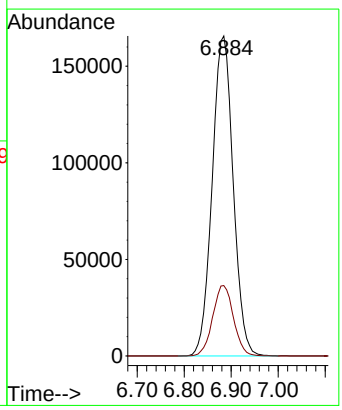


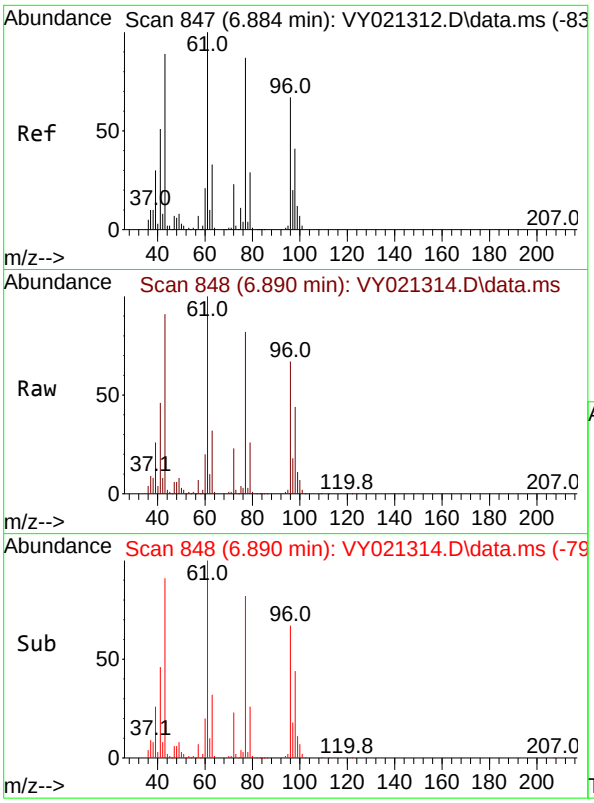


#26
2,2-Dichloropropane
Concen: 151.214 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 77 Resp: 515178

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7



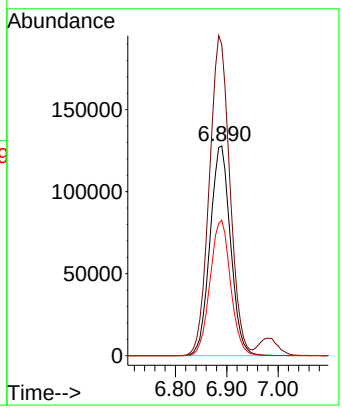


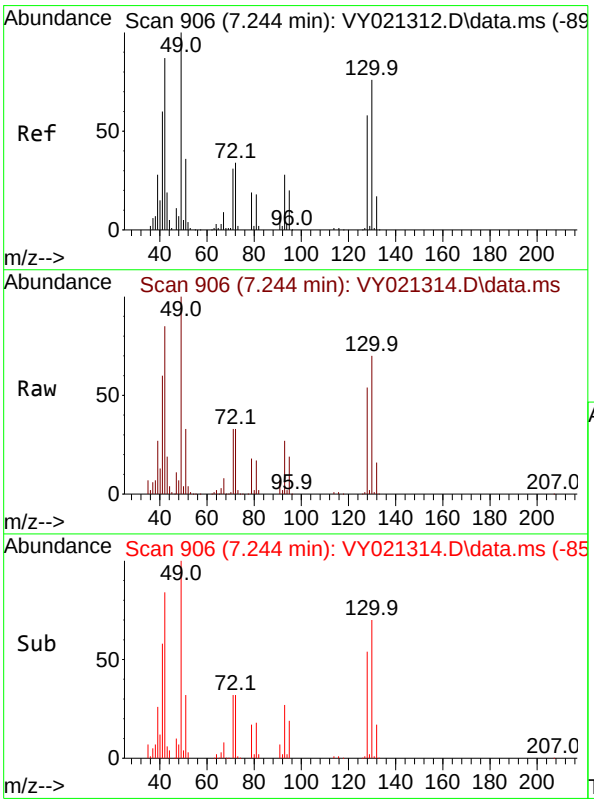
#27
cis-1,2-Dichloroethene
Concen: 155.519 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 354979

Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	308.0
98	64.4	0.0	129.6

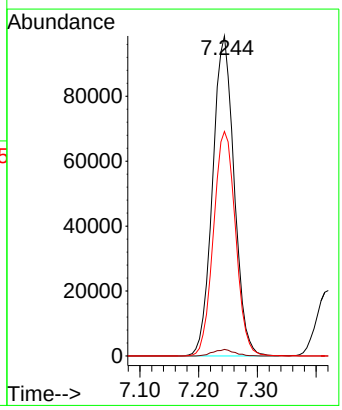


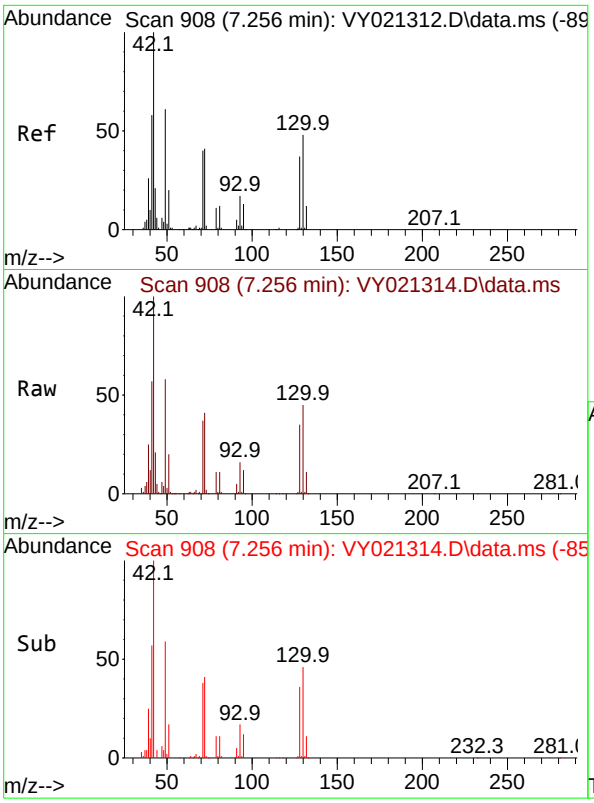


#28
Bromochloromethane
Concen: 151.227 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 49 Resp: 251245

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	71.7	57.8	86.6



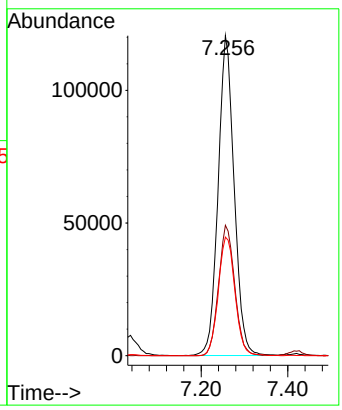


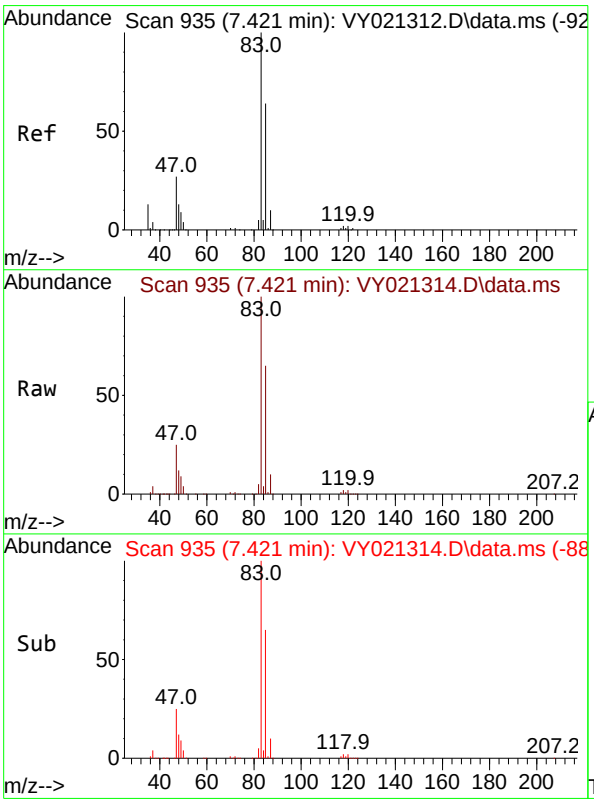
#29
Tetrahydrofuran
Concen: 797.978 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 309130

Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.1	49.7
71	38.6	31.4	47.0

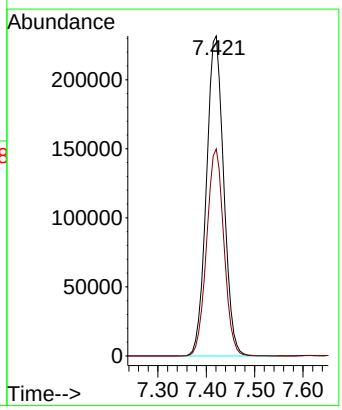


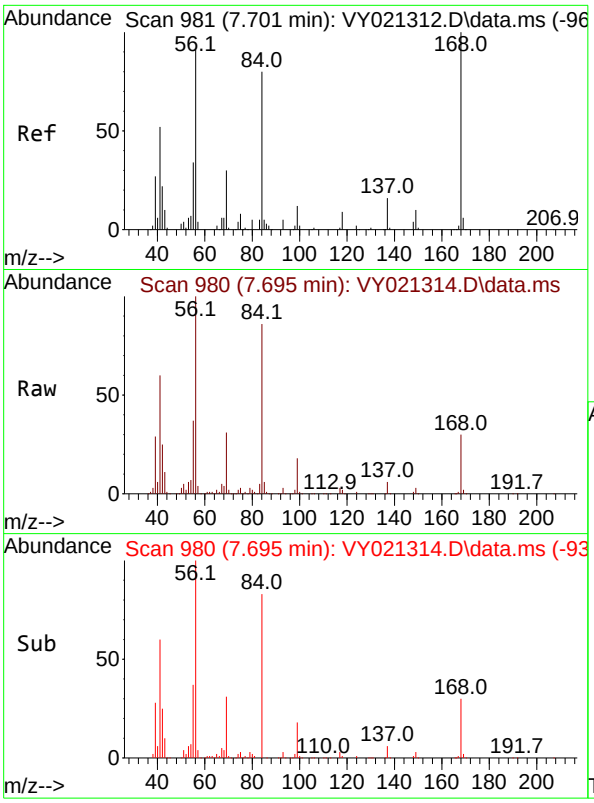


#30
Chloroform
Concen: 151.112 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 83 Resp: 574920

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.6	77.4



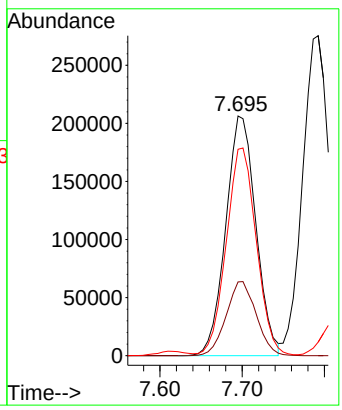


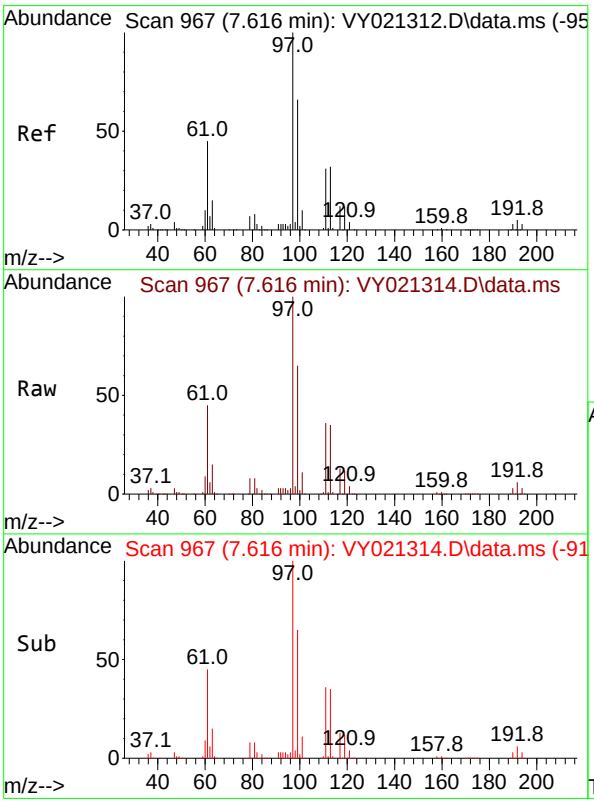
#31
Cyclohexane
Concen: 145.637 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 525636

Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.2	39.4
84	84.4	70.2	105.4

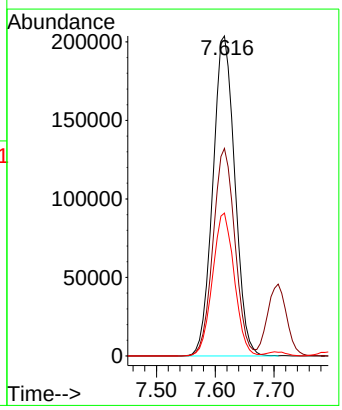


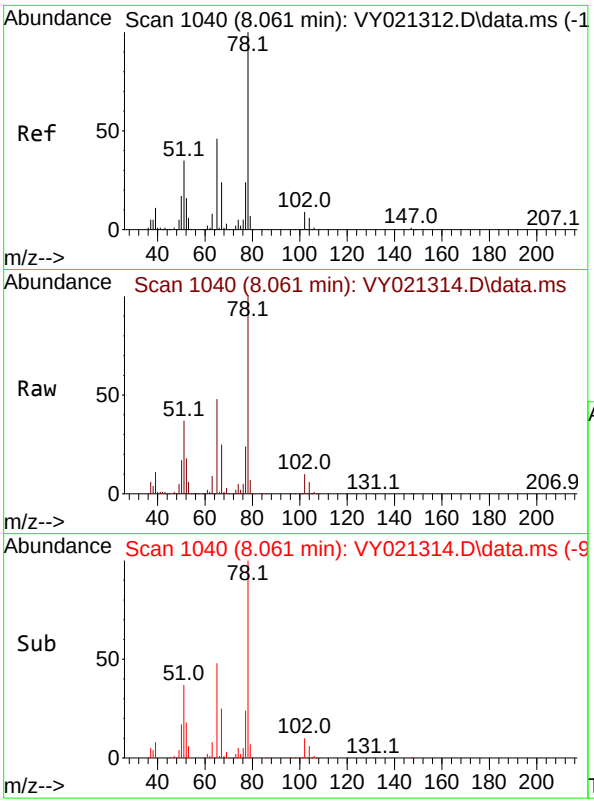


#32
1,1,1-Trichloroethane
Concen: 152.986 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 97 Resp: 529792

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.4	78.6
61	44.4	36.2	54.2



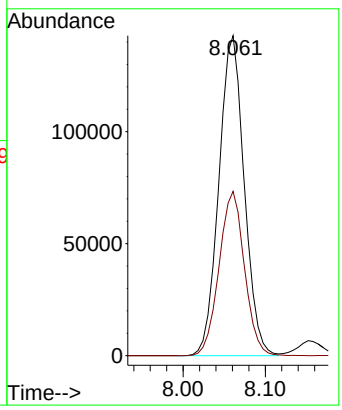


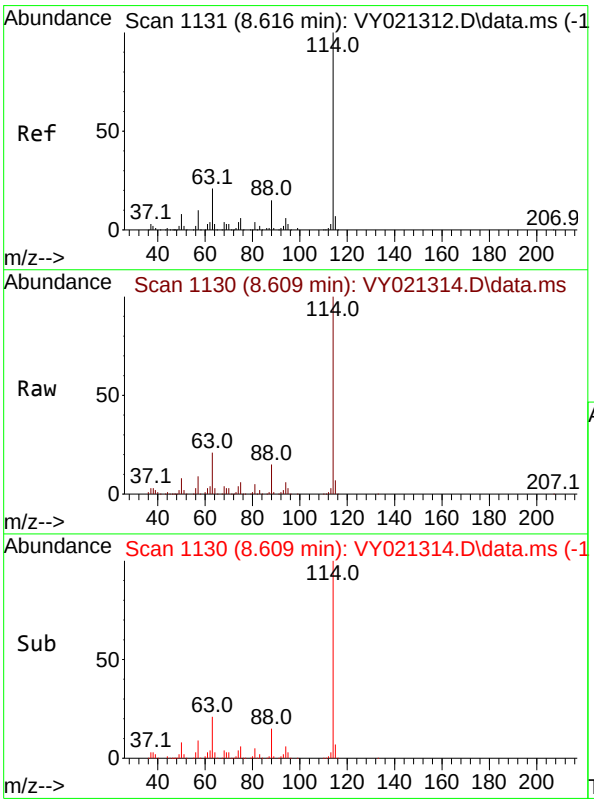
#33
1,2-Dichloroethane-d4
Concen: 149.582 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 306215

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.6

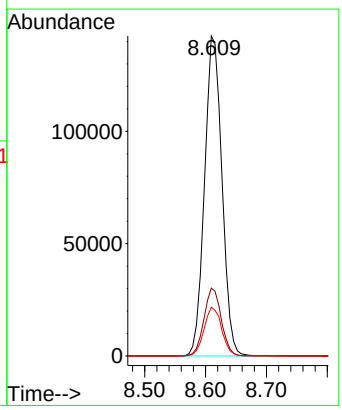


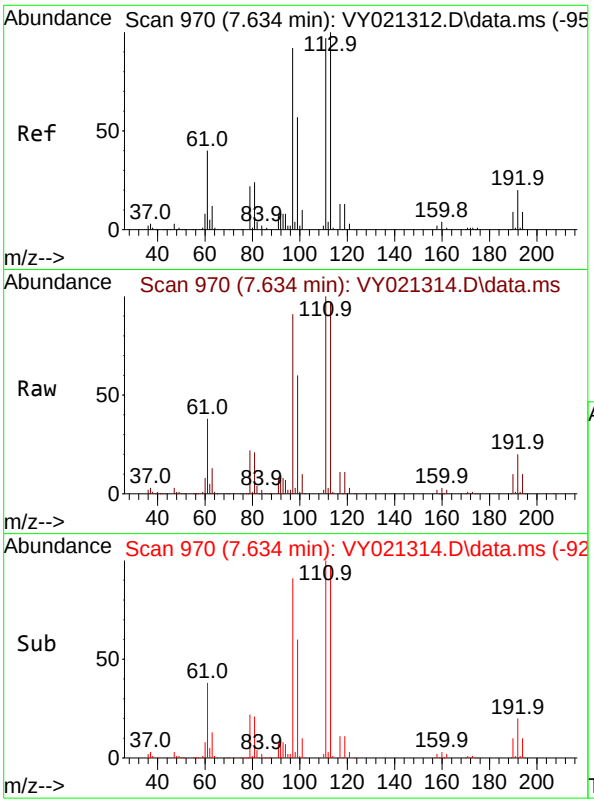


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:114 Resp: 283003

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.2
88	15.3	0.0	29.8



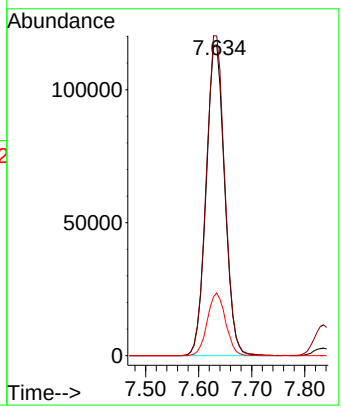


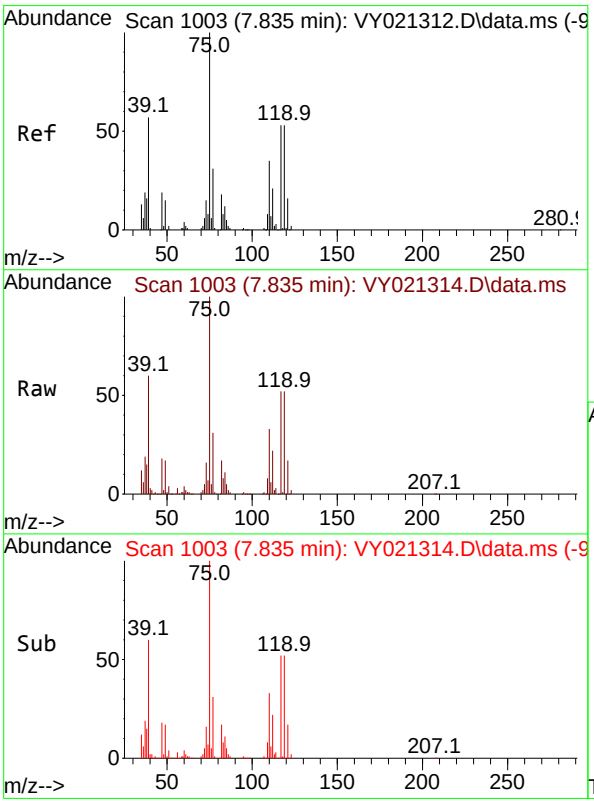
#35
Dibromofluoromethane
Concen: 152.818 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 283537

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.6
192	19.9	15.8	23.8

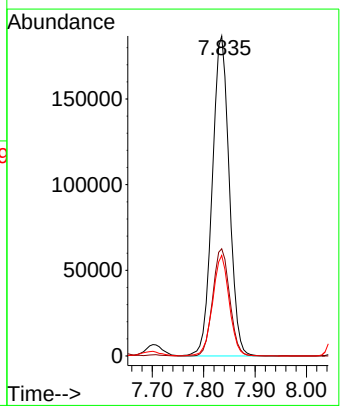


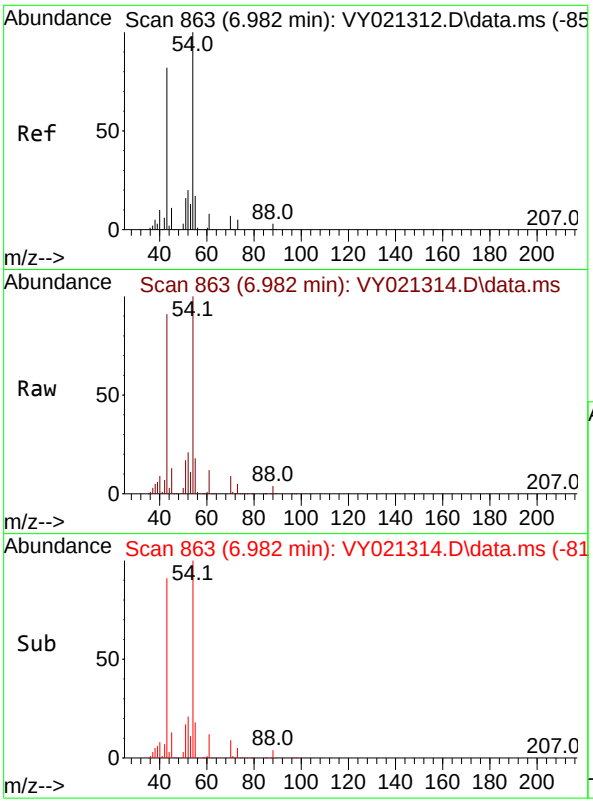


#36
1,1-Dichloropropene
Concen: 153.985 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 429157

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	30.8	24.6	36.8



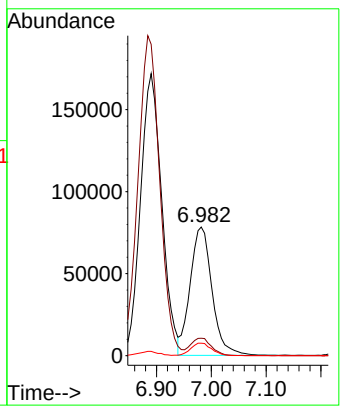


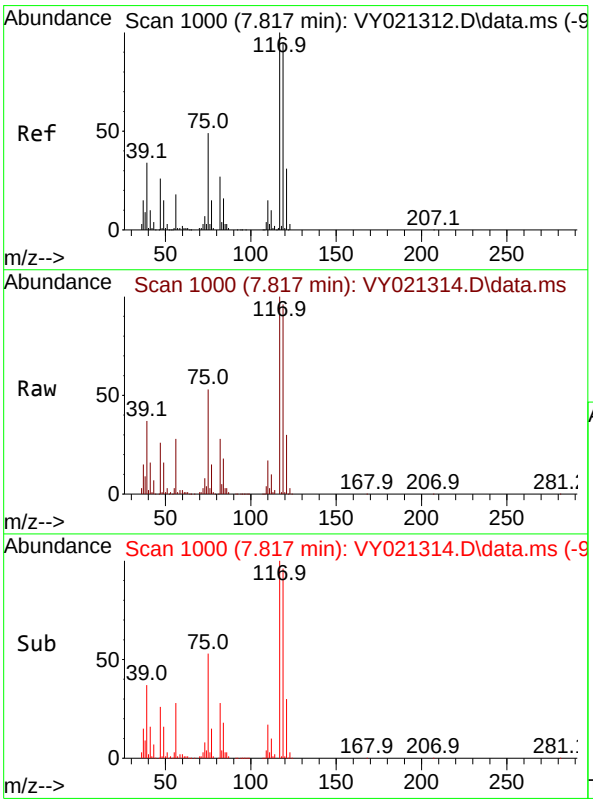
#37
Ethyl Acetate
Concen: 156.470 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 216920

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	9.4	7.5	11.3

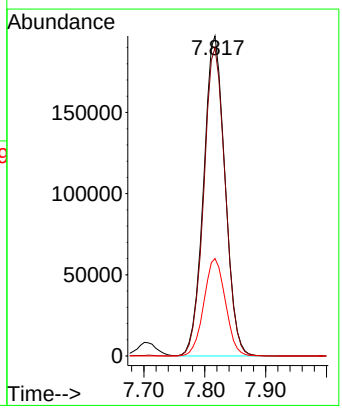


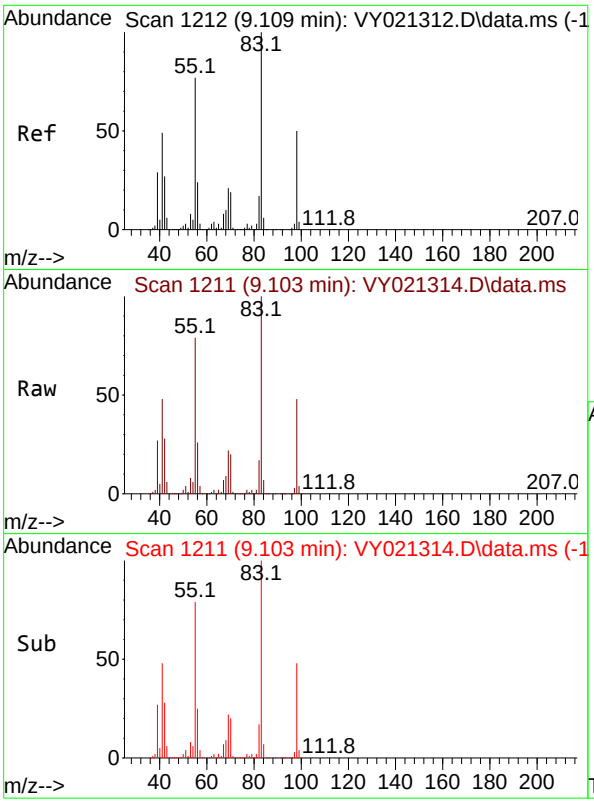


#38
Carbon Tetrachloride
Concen: 153.764 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 481774

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.0	114.0
121	30.5	24.9	37.3



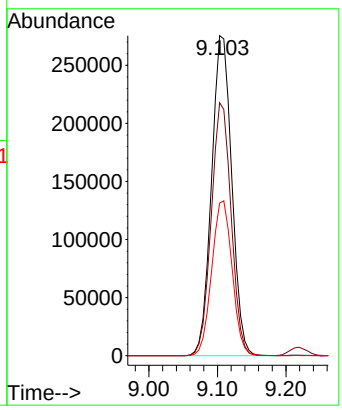


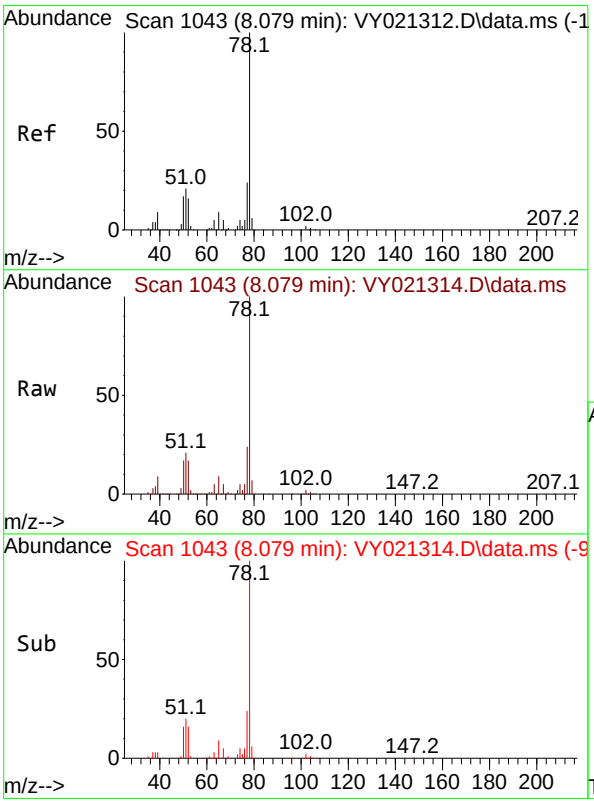
#39
Methylcyclohexane
Concen: 159.752 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 563132

Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.3	91.9
98	47.7	39.9	59.9

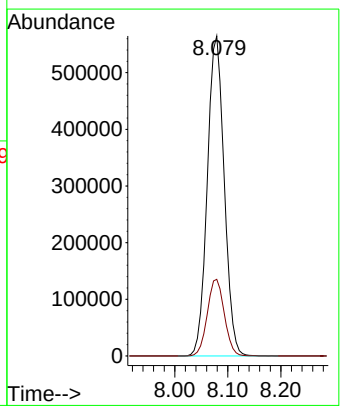


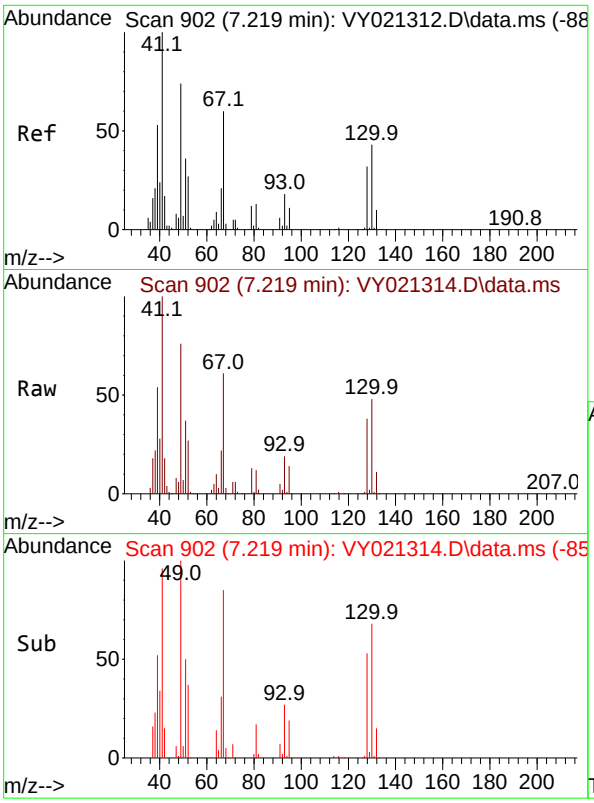


#40
Benzene
Concen: 151.673 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 78 Resp: 1249573

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8



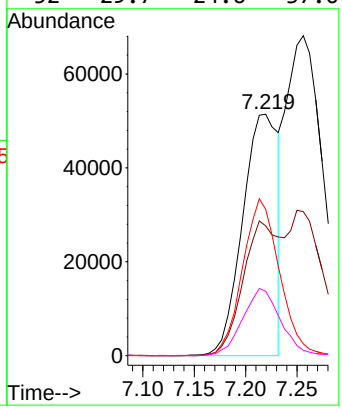


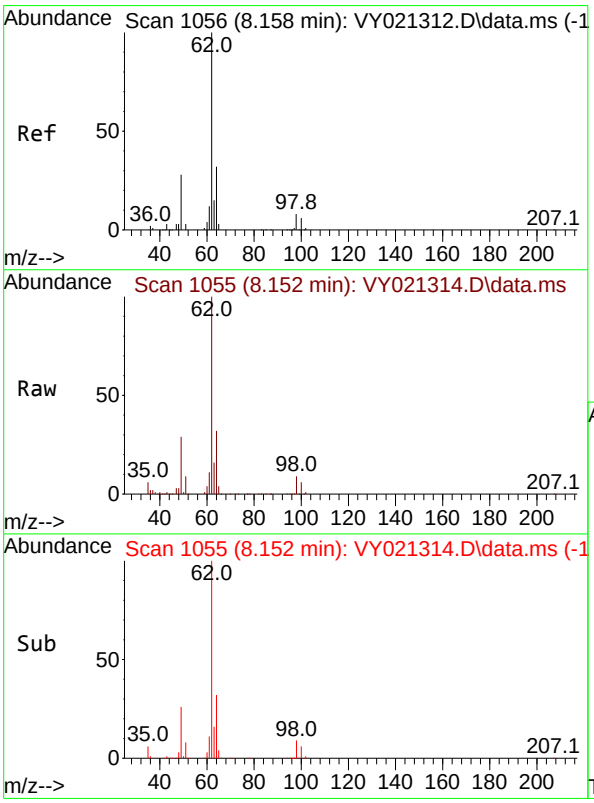
#41
Methacrylonitrile
Concen: 159.542 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 123663

Ion	Ratio	Lower	Upper
41	100		
39	61.3	42.3	63.5
67	67.7	54.8	82.2
52	29.7	24.6	37.0

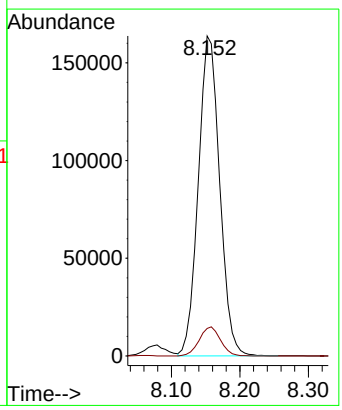


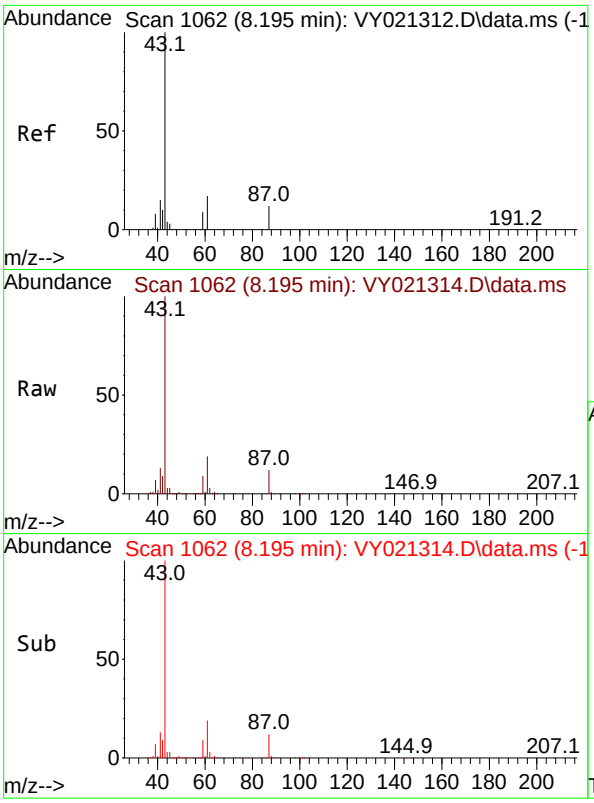


#42
1,2-Dichloroethane
Concen: 152.036 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 62 Resp: 355374

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6



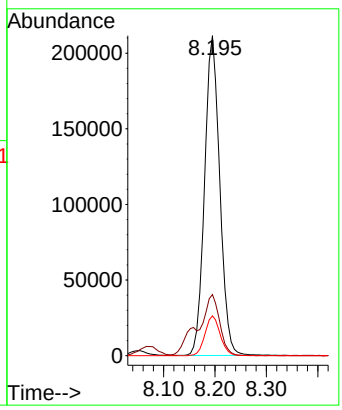


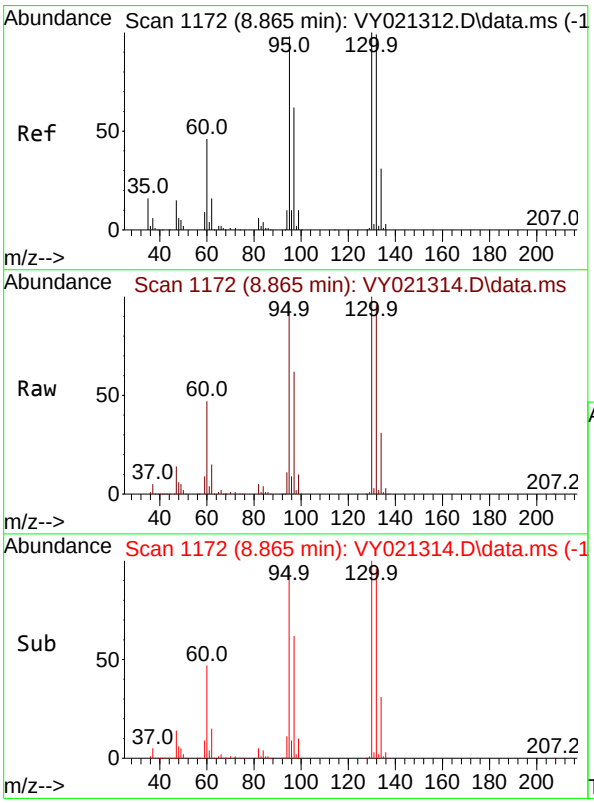
#43
Isopropyl Acetate
Concen: 161.641 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 433742

Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.0	22.6
87	12.4	10.0	15.0

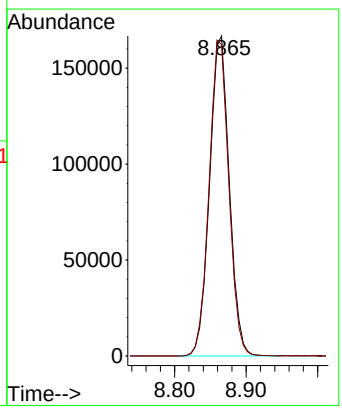


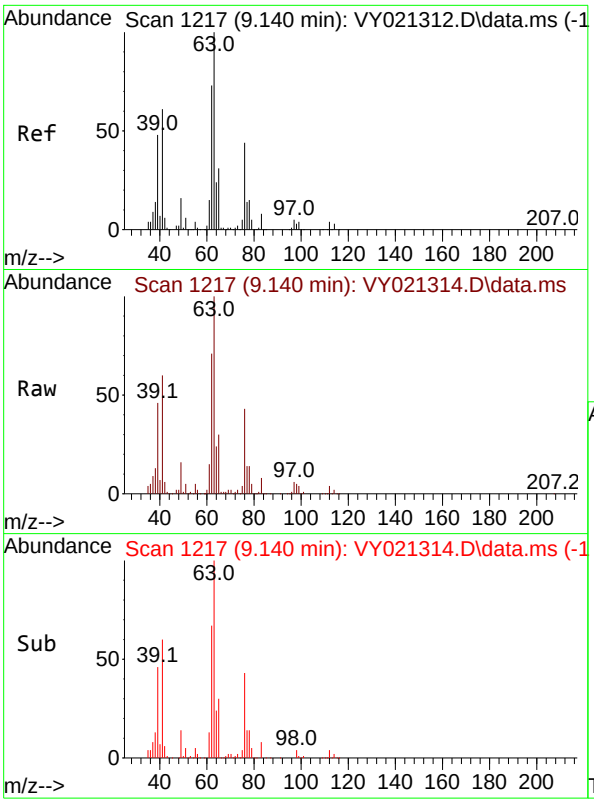


#44
Trichloroethene
Concen: 154.457 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:130 Resp: 318590

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	196.0



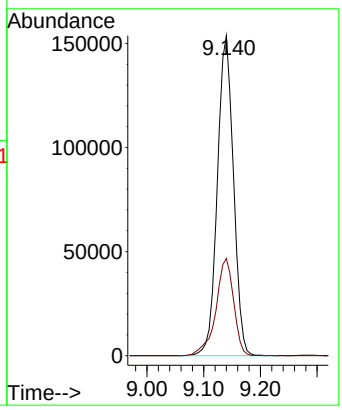


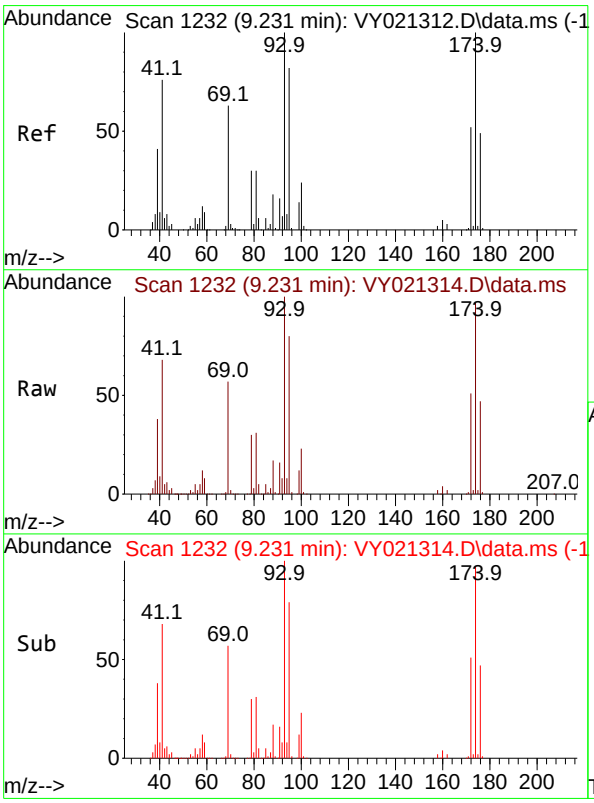
#45
1,2-Dichloropropane
Concen: 152.809 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 302967

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	36.8

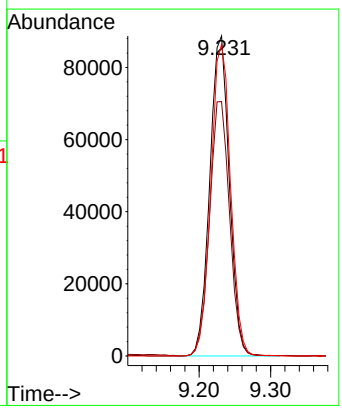


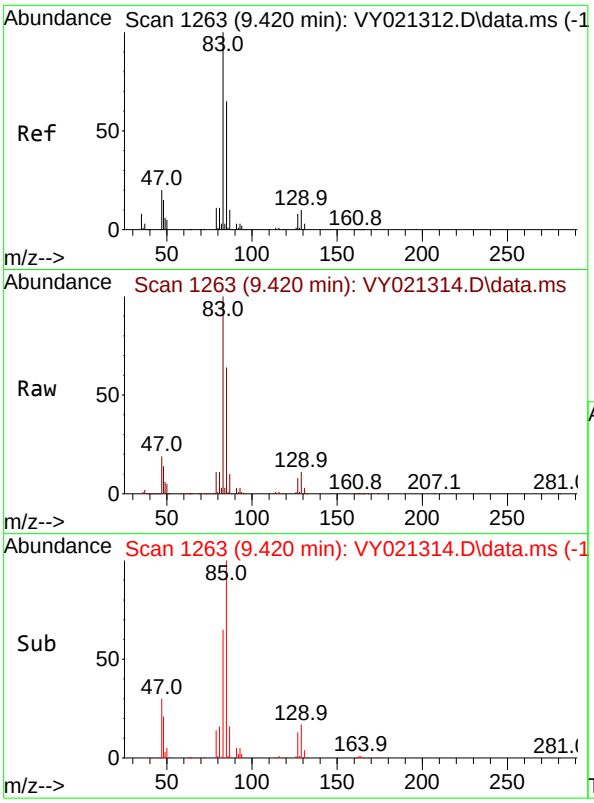


#46
Dibromomethane
Concen: 155.620 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 93 Resp: 168654

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.4	99.6
174	98.2	78.2	117.2



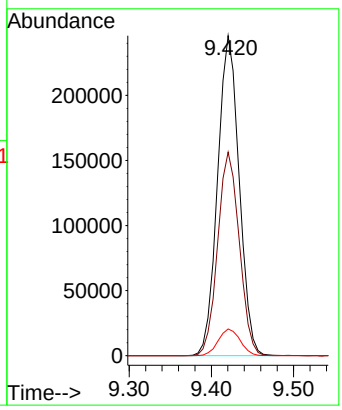


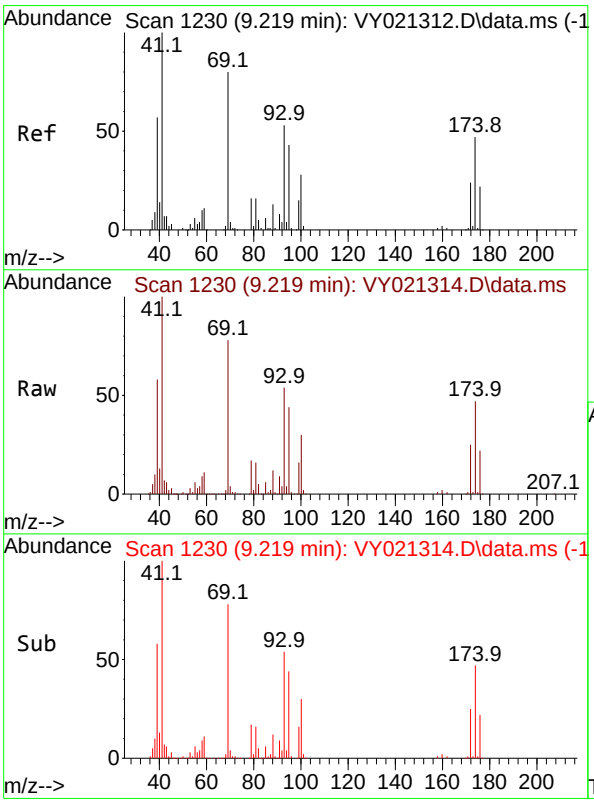
#47
Bromodichloromethane
Concen: 155.172 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 448398

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.8
127	8.4	6.7	10.1

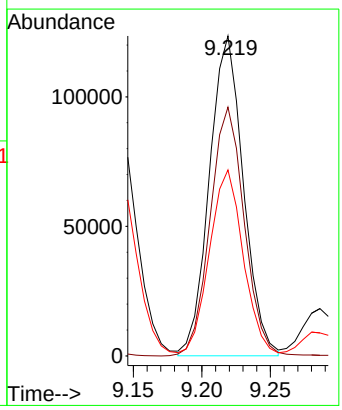


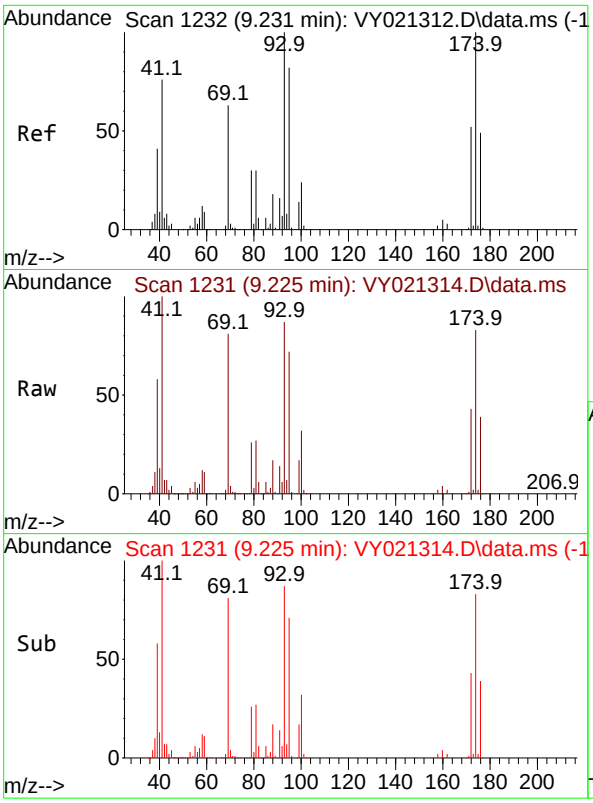


#48
Methyl methacrylate
Concen: 169.923 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 41 Resp: 213222

Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.3	94.9
39	56.2	45.0	67.6



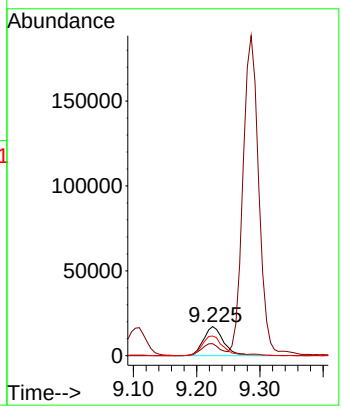


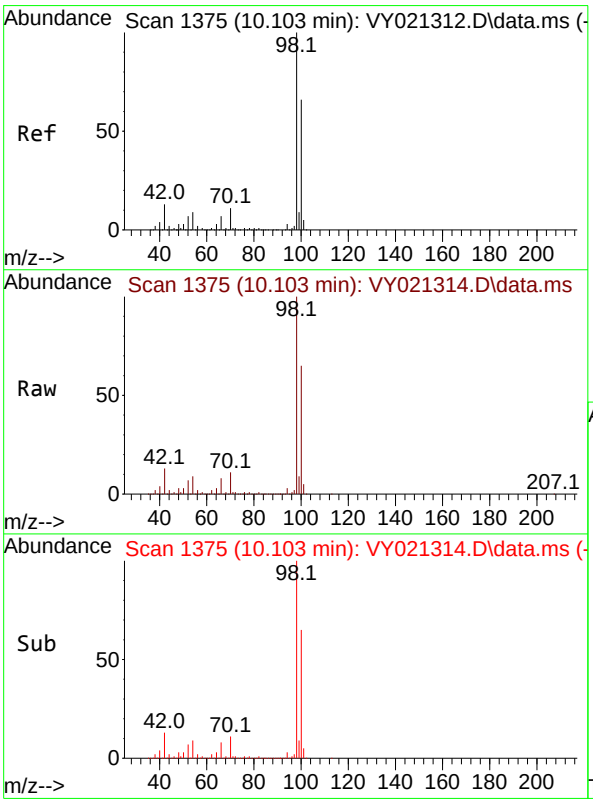
#49
1,4-Dioxane
Concen: 3165.209 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 38142

Ion	Ratio	Lower	Upper
88	100		
43	38.4	34.8	52.2
58	68.6	59.8	89.6

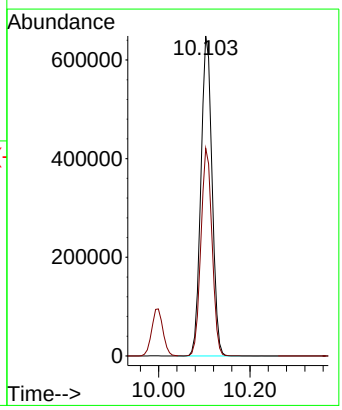


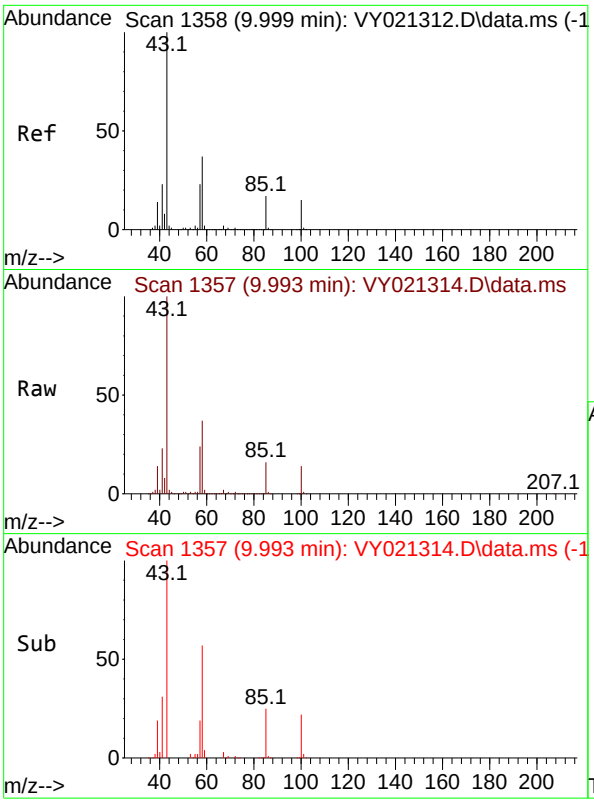


#50
Toluene-d8
Concen: 152.682 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 98 Resp: 1094820

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6



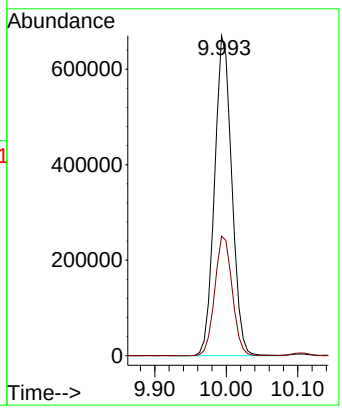


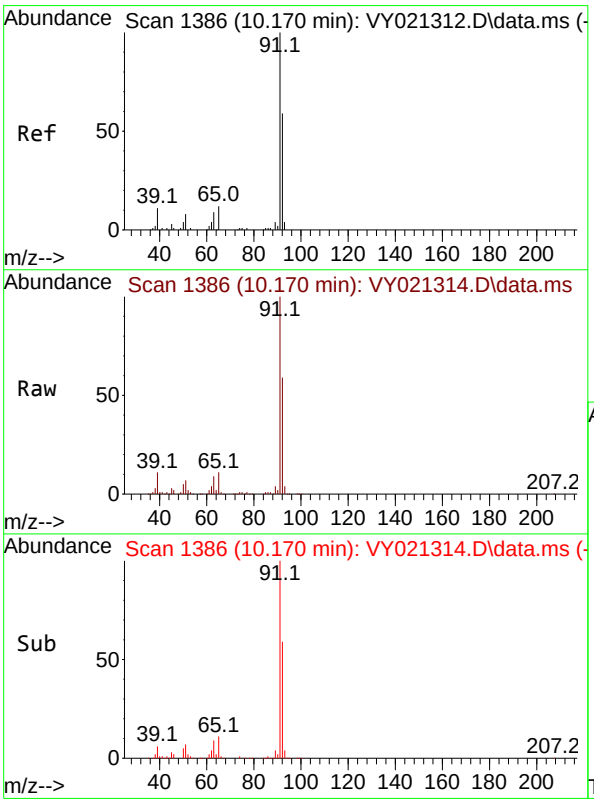
#51
4-Methyl-2-Pentanone
Concen: 816.471 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1121500

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1

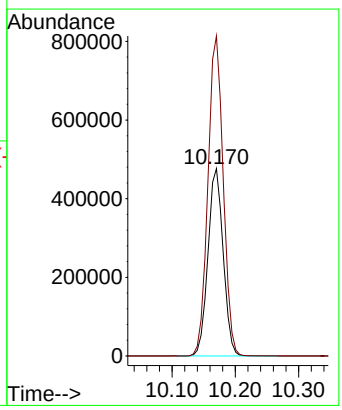


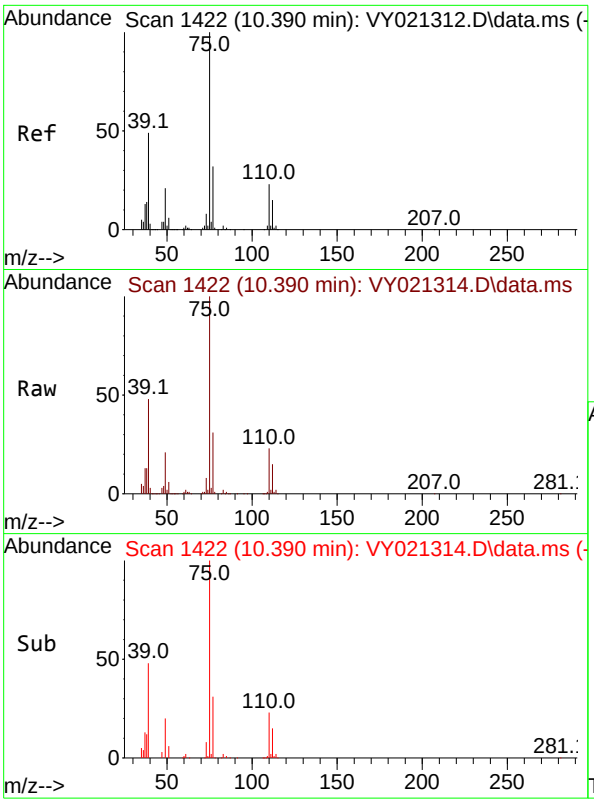


#52
Toluene
Concen: 155.232 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 92 Resp: 794485

Ion	Ratio	Lower	Upper
92	100		
91	172.2	137.8	206.8



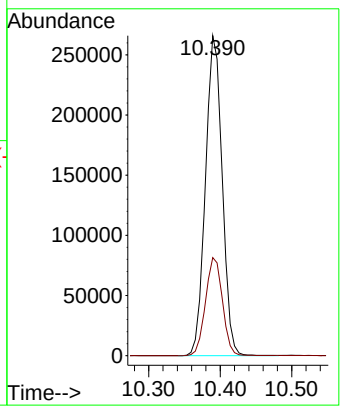


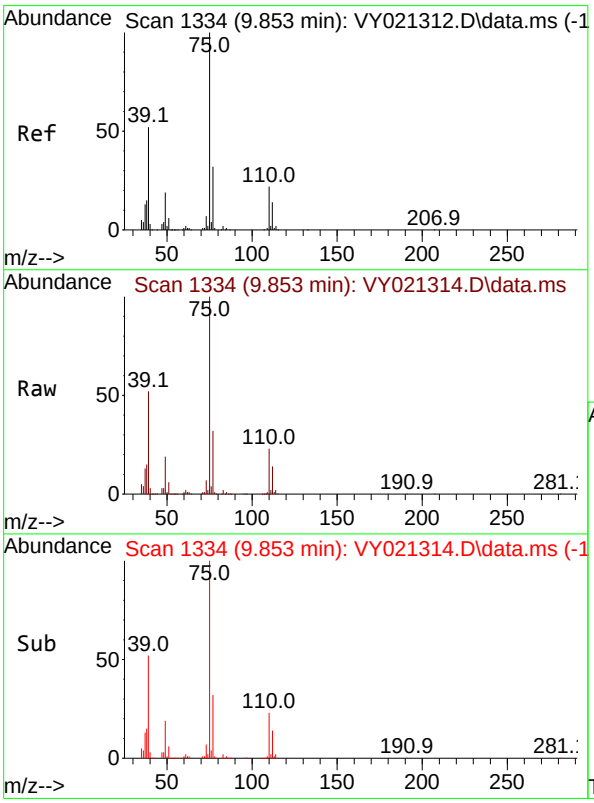
#53
t-1,3-Dichloropropene
Concen: 163.384 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 432560

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9

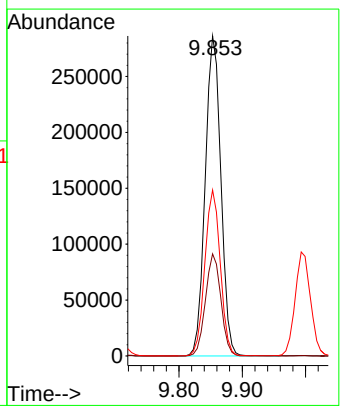


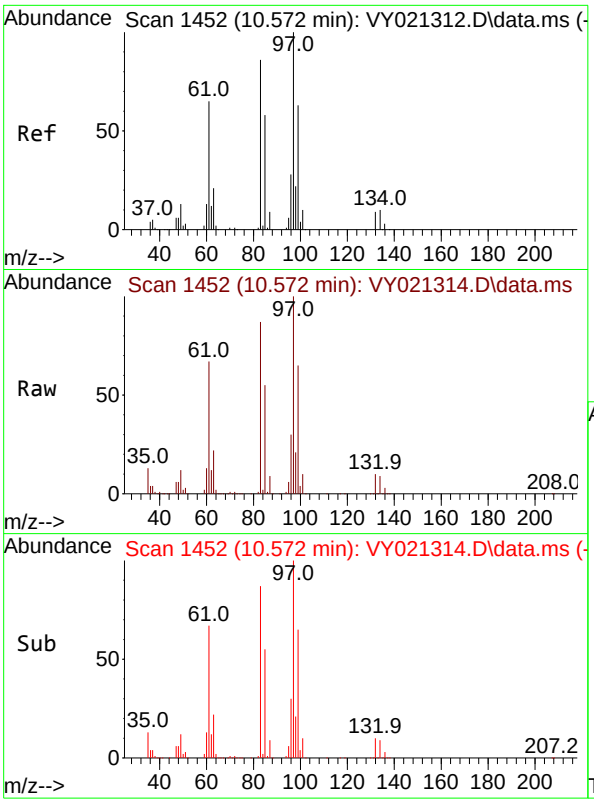


#54
cis-1,3-Dichloropropene
Concen: 157.928 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 493601

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
39	51.8	41.8	62.6



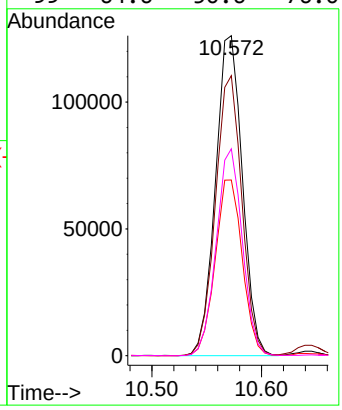


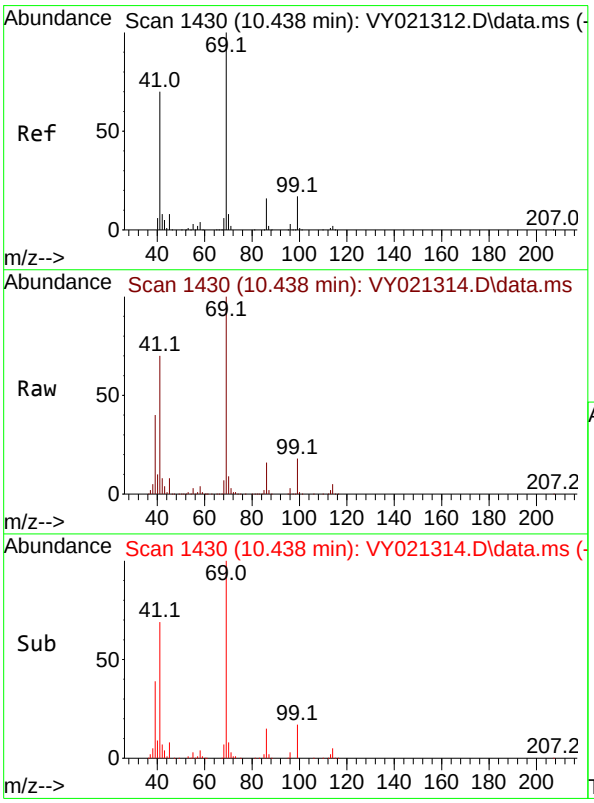
#55
1,1,2-Trichloroethane
Concen: 152.506 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 215312

Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.7	103.1
85	54.8	46.3	69.5
99	64.6	50.6	76.0

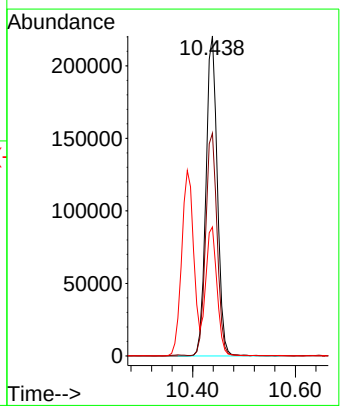


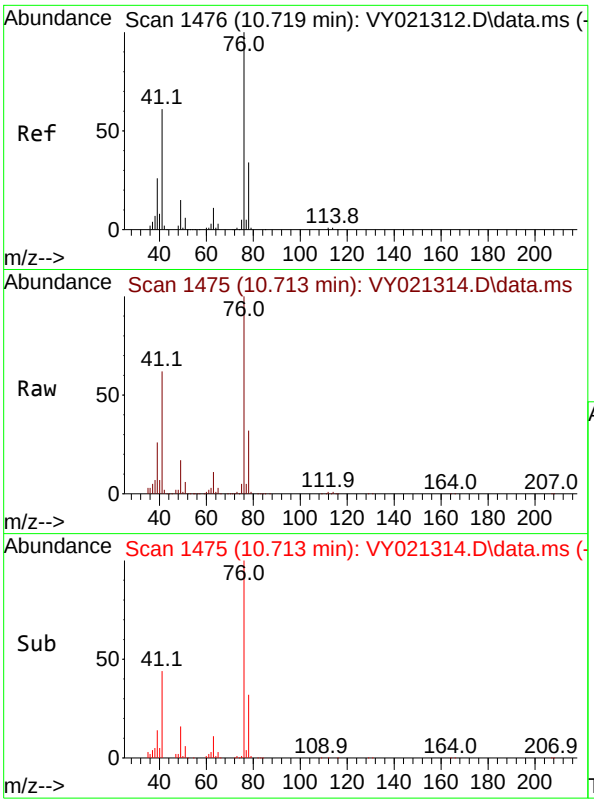


#56
Ethyl methacrylate
Concen: 173.168 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 69 Resp: 337816

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	40.0	32.7	49.1



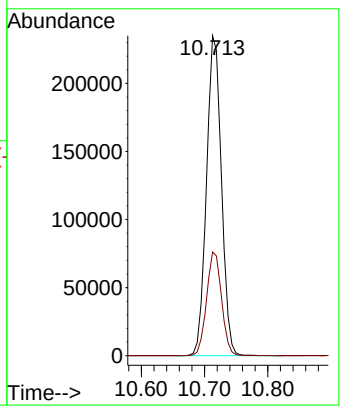


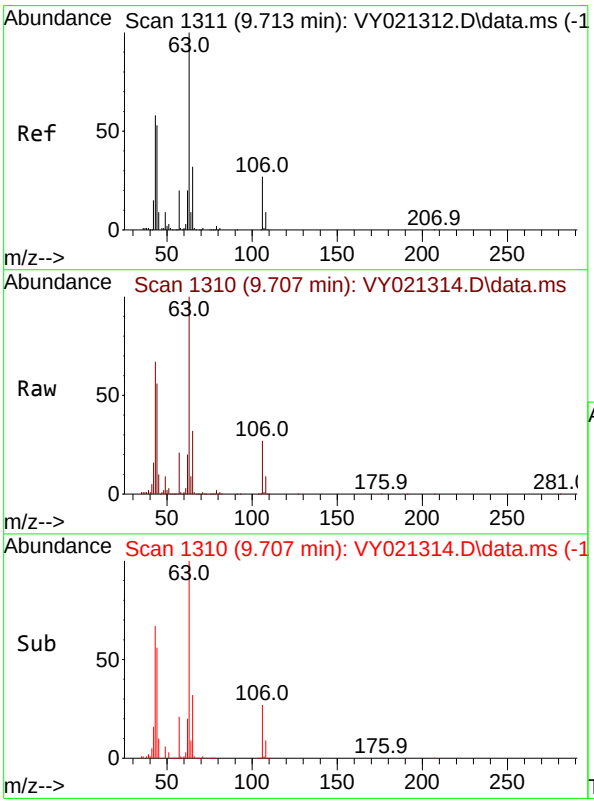
#57
1,3-Dichloropropane
Concen: 155.726 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 385803

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

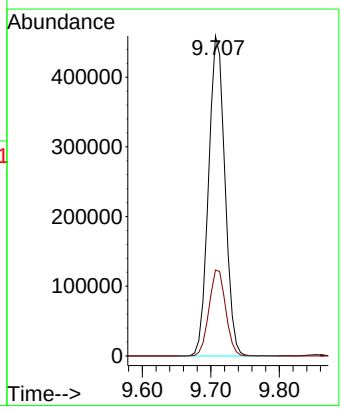


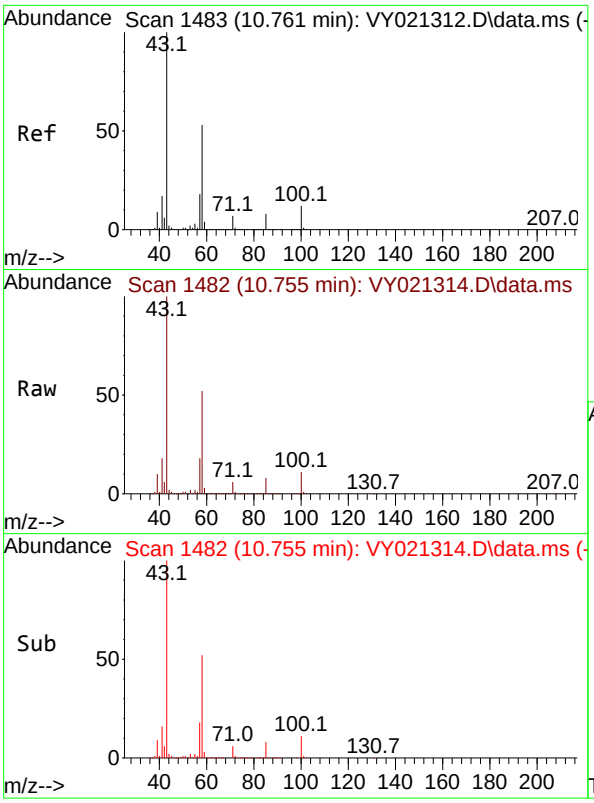


#58
2-Chloroethyl Vinyl ether
Concen: 812.859 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 63 Resp: 761125

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.7	32.5



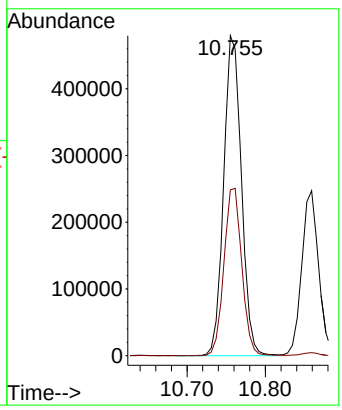


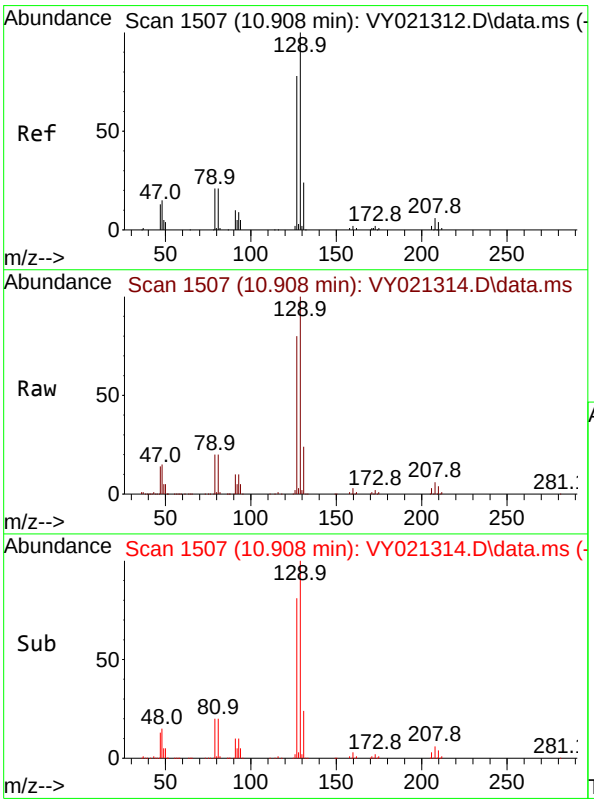
#59
2-Hexanone
Concen: 836.458 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 754575

Ion	Ratio	Lower	Upper
43	100		
58	52.8	25.9	77.6

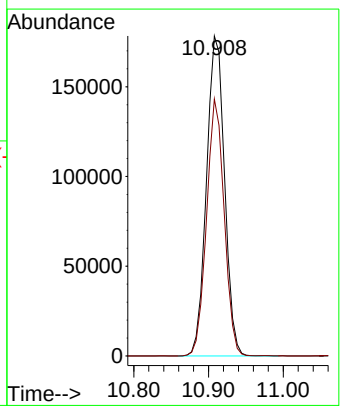


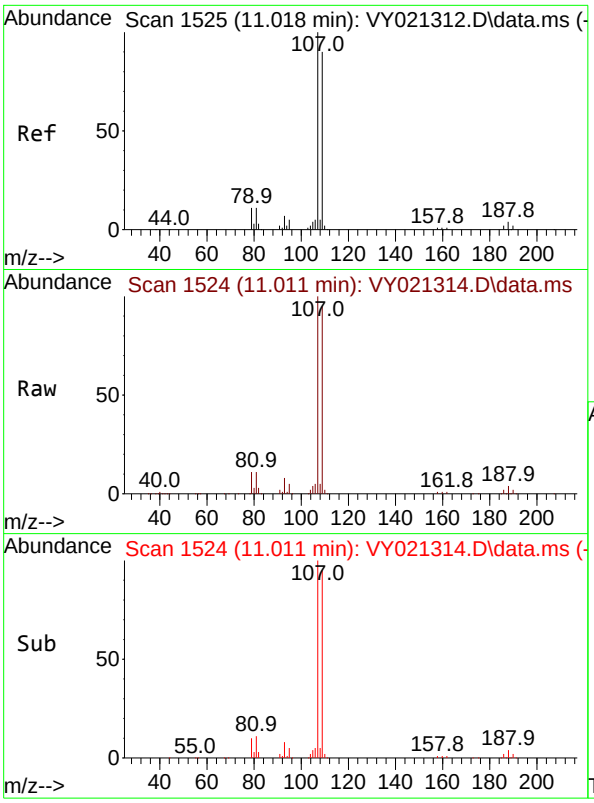


#60
Dibromochloromethane
Concen: 155.598 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:129 Resp: 299188

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.8	116.4



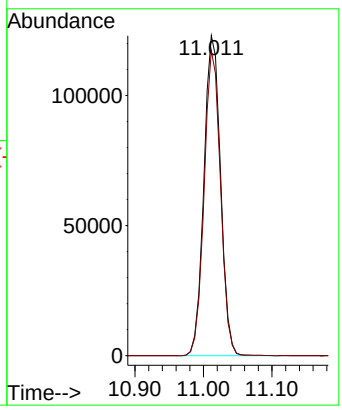


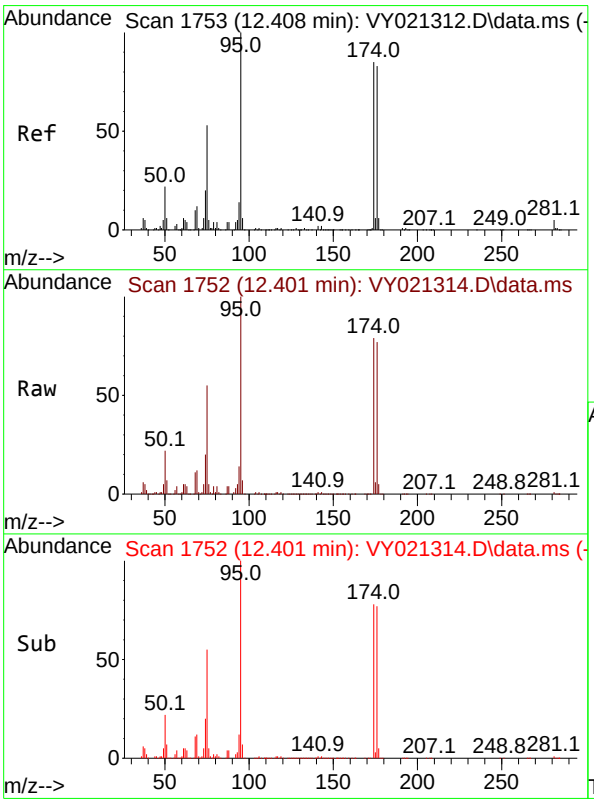
#61
1,2-Dibromoethane
Concen: 155.651 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 208046

Ion	Ratio	Lower	Upper
107	100		
109	93.7	73.8	110.8

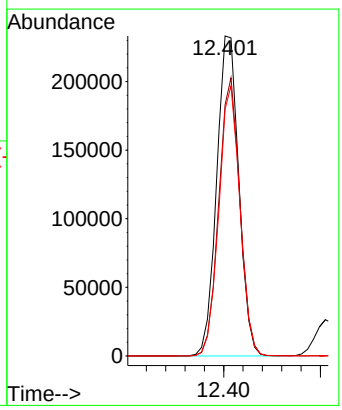


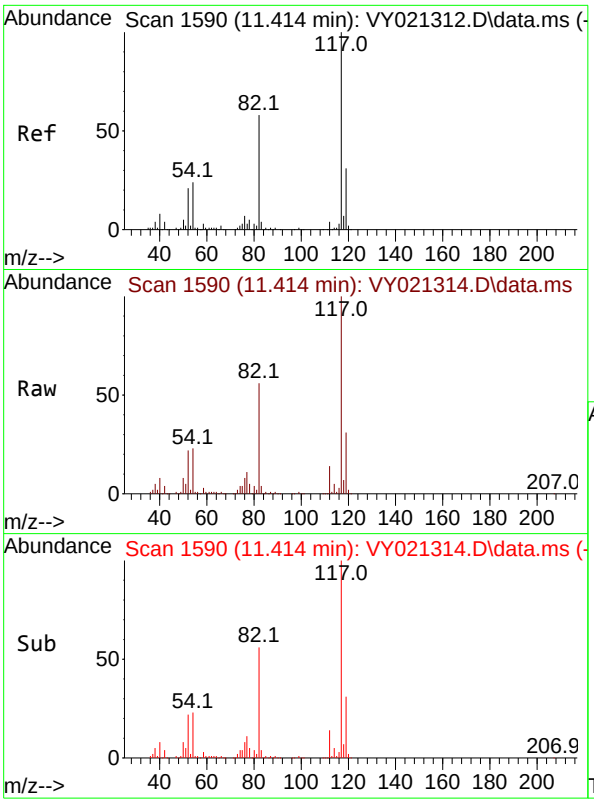


#62
4-Bromofluorobenzene
Concen: 152.937 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 95 Resp: 369071

Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	168.0
176	80.5	0.0	162.6



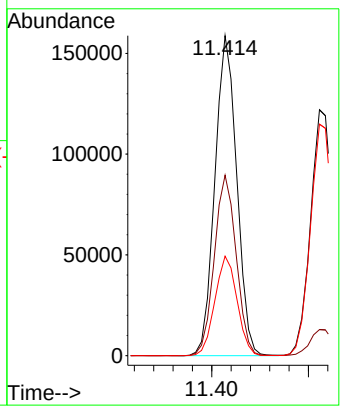


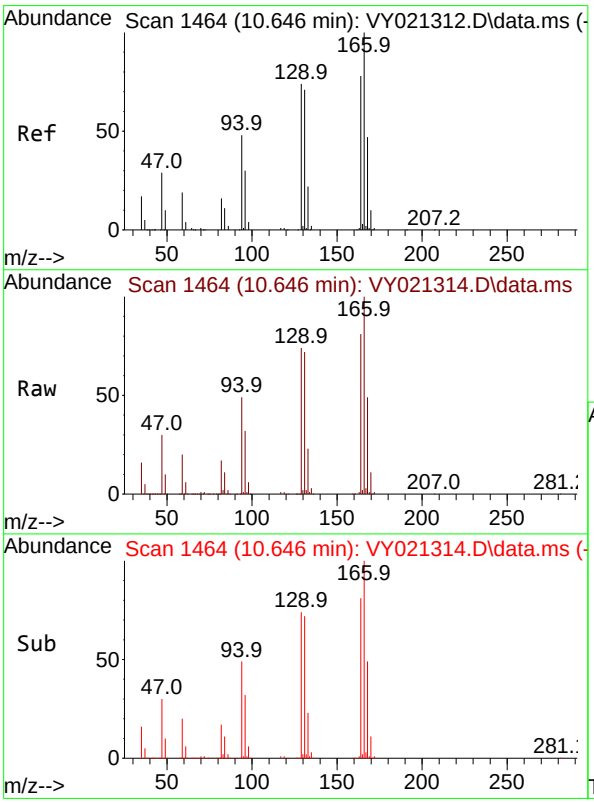
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 248493

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.2	69.4
119	31.1	24.9	37.3

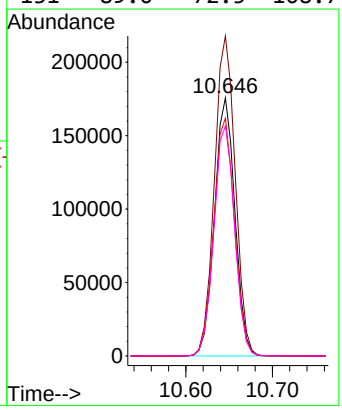


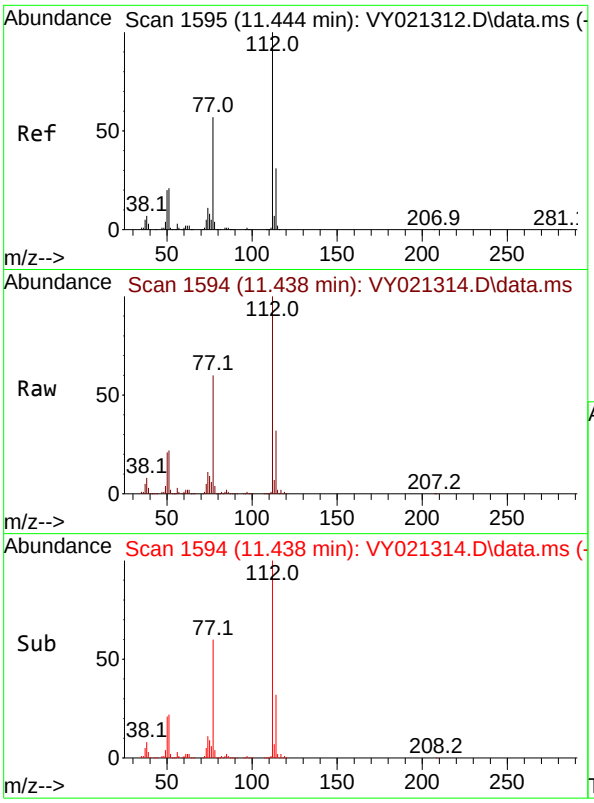


#64
Tetrachloroethene
Concen: 153.351 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:164 Resp: 288026

Ion	Ratio	Lower	Upper
164	100		
166	124.0	101.9	152.9
129	92.1	75.5	113.3
131	89.0	72.5	108.7



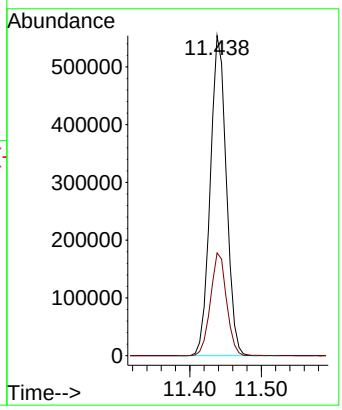


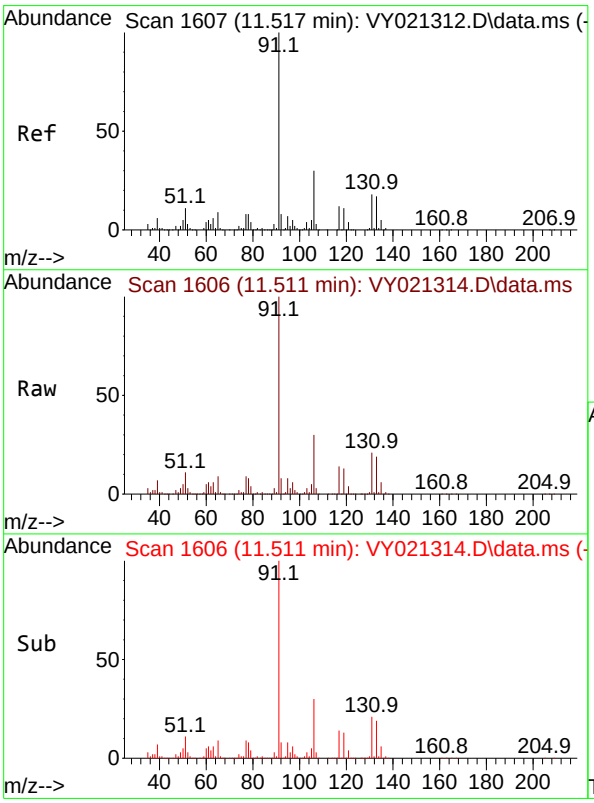
#65
Chlorobenzene
Concen: 154.837 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 863676

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6

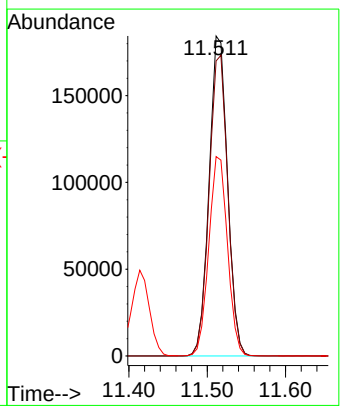


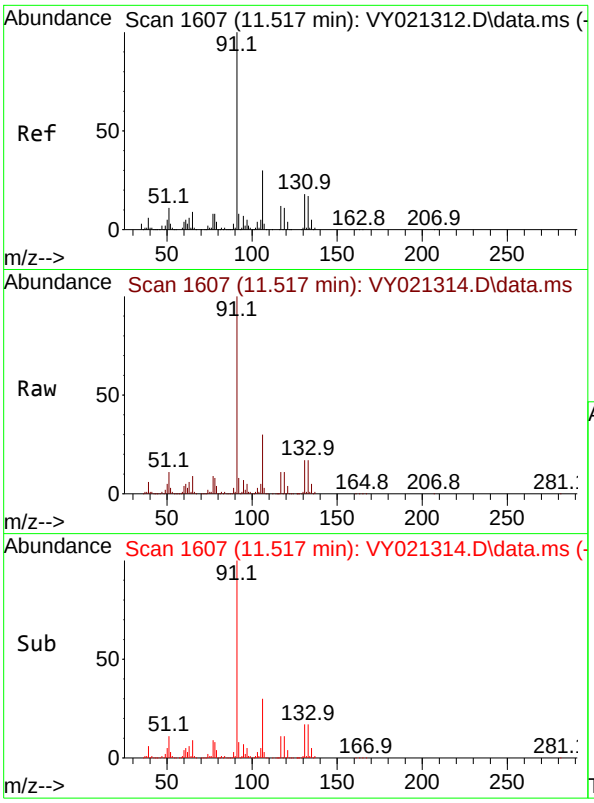


#66
1,1,1,2-Tetrachloroethane
Concen: 154.234 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:131 Resp: 301244

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.9	143.6
119	63.3	31.7	95.1



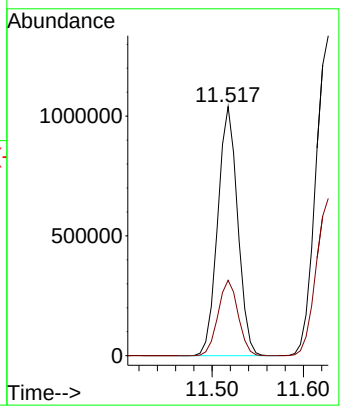


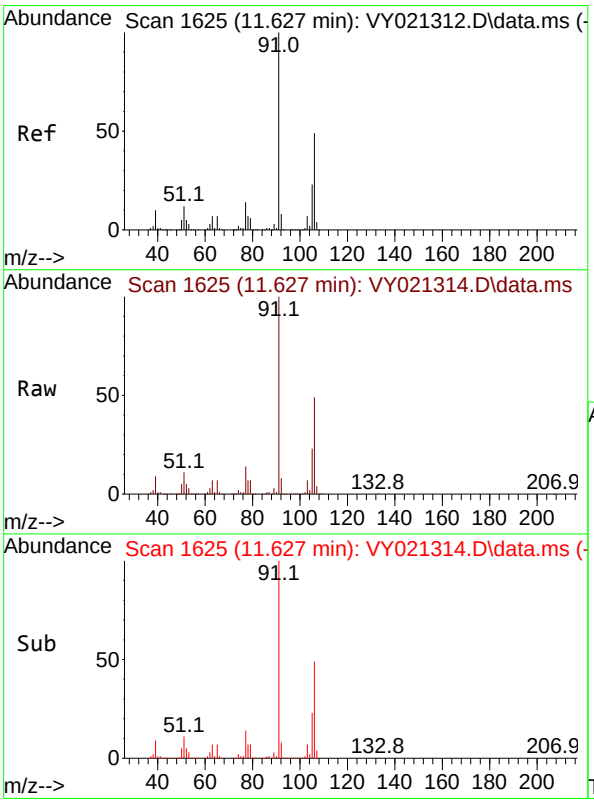
#67
Ethyl Benzene
Concen: 159.586 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1576743

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.4	36.6

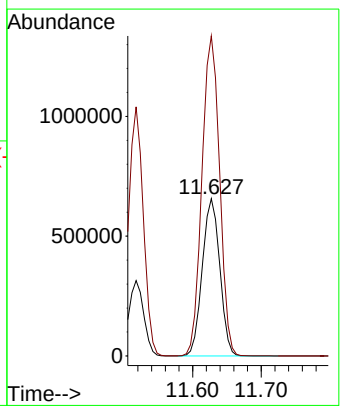


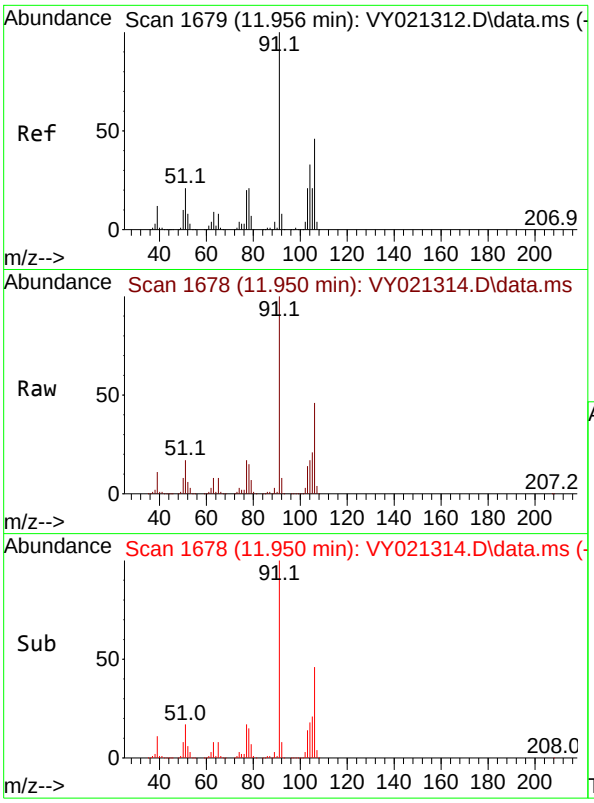


#68
m/p-Xylenes
Concen: 314.246 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:106 Resp: 1167839

Ion	Ratio	Lower	Upper
106	100		
91	205.5	163.9	245.9



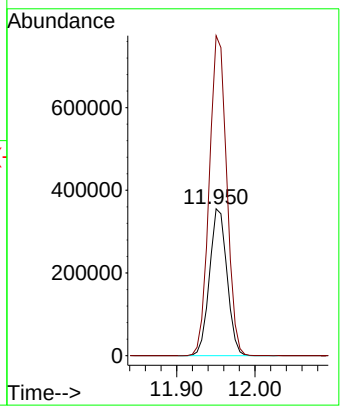


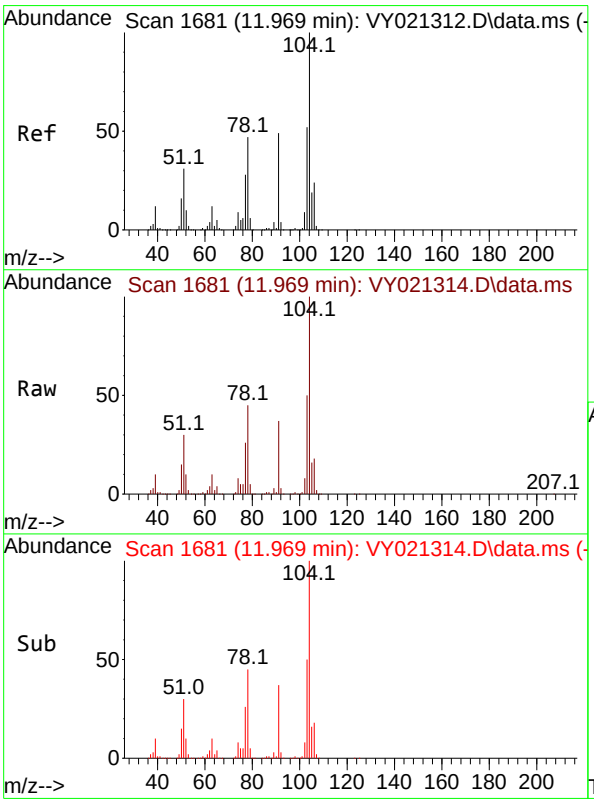
#69
o-Xylene
Concen: 158.258 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 550972

Ion	Ratio	Lower	Upper
106	100		
91	217.0	108.1	324.2

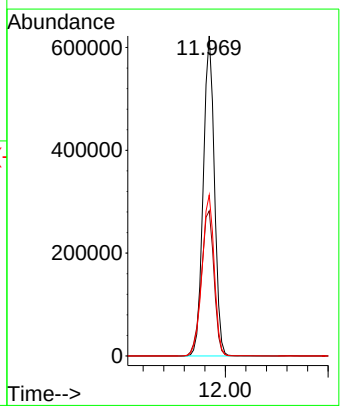


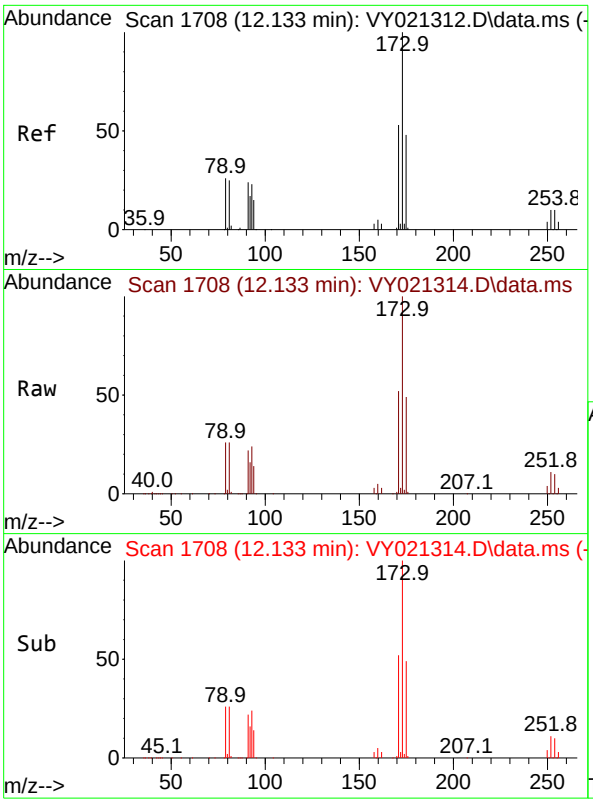


#70
Styrene
Concen: 161.754 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:104 Resp: 936967

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.3	61.9
103	55.0	43.9	65.9



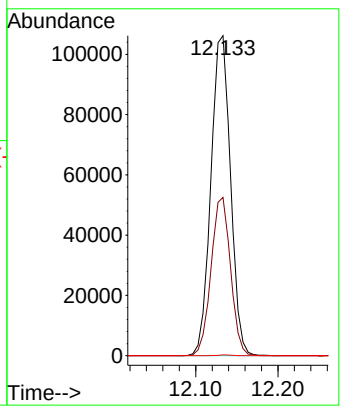


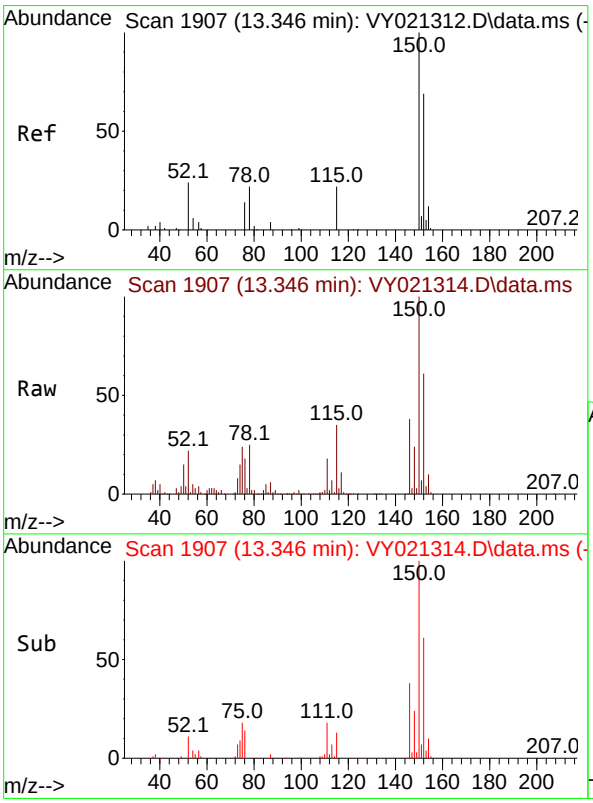
#71
Bromoform
Concen: 157.441 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 175918

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.3
254	0.2	0.1	0.1#

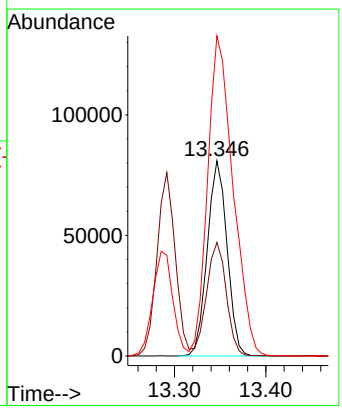


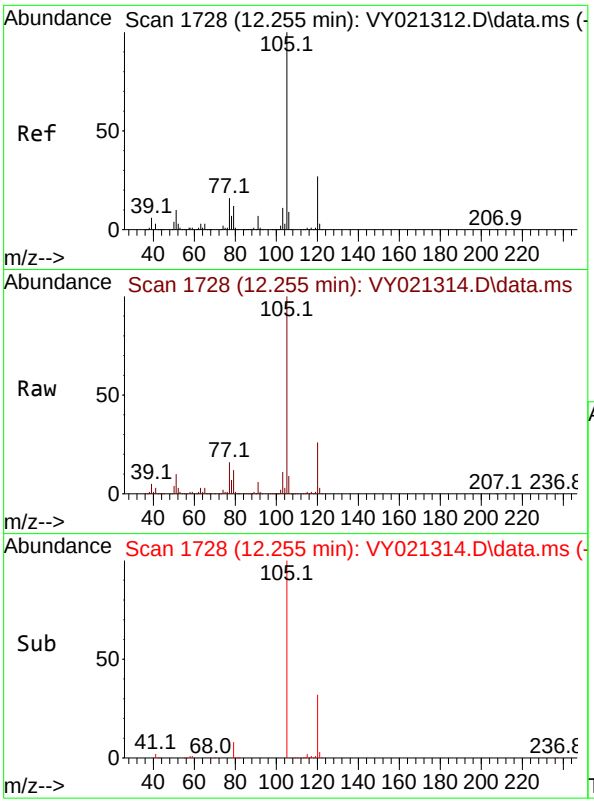


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:152 Resp: 121558

Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	210.8	0.0	347.4



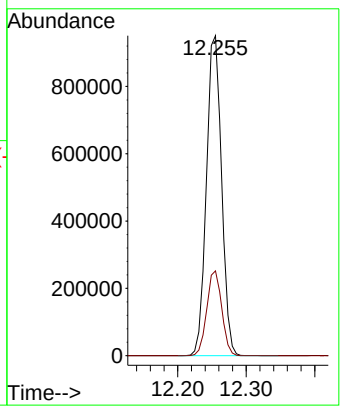


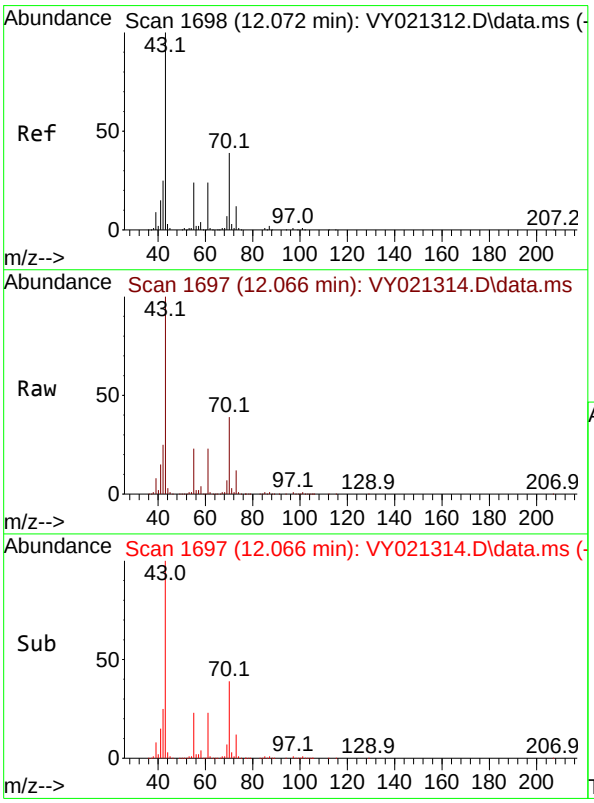
#73
Isopropylbenzene
Concen: 159.969 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1461905

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8

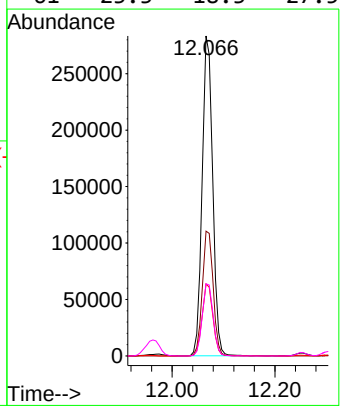


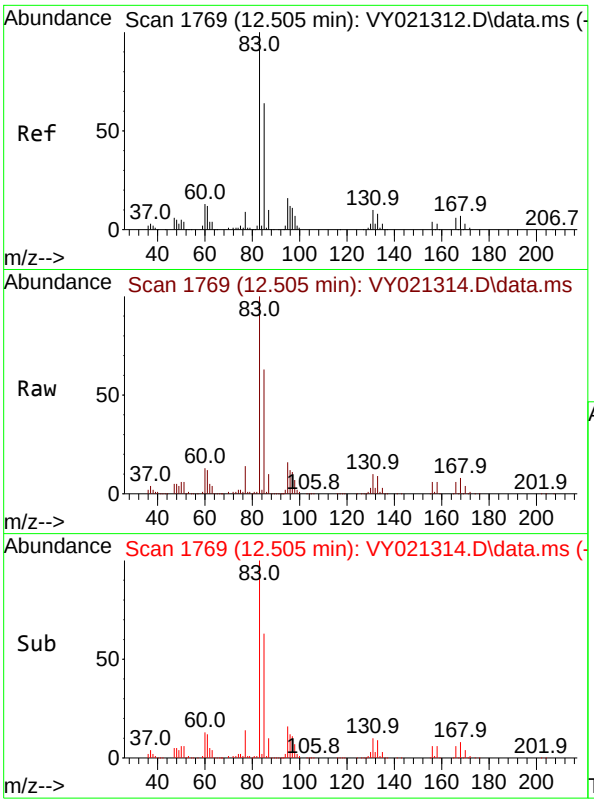


#74
N-amyl acetate
Concen: 173.596 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 43 Resp: 403238

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	23.0	19.6	29.4
61	23.3	18.3	27.5



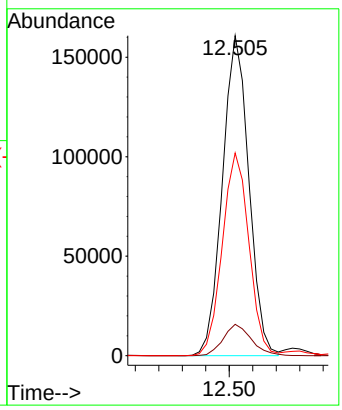


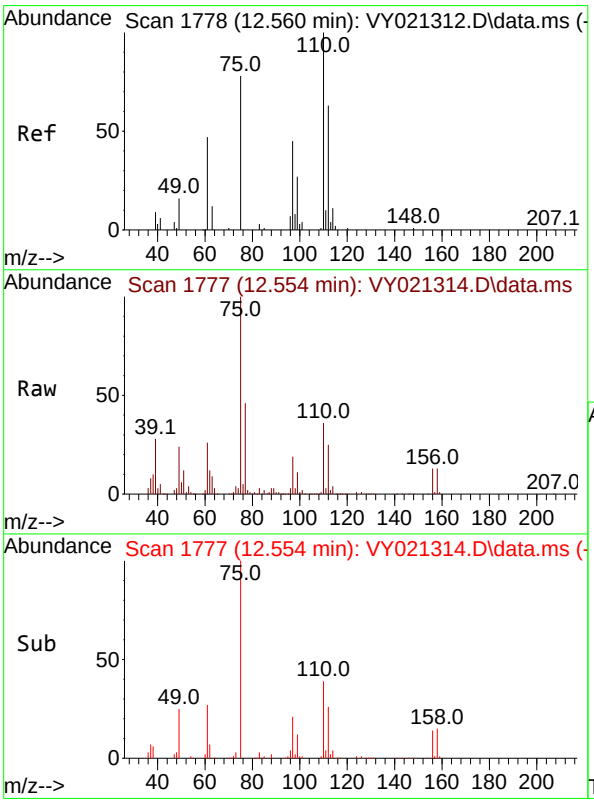
#75
1,1,2,2-Tetrachloroethane
Concen: 155.759 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 251216

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	63.8	32.0	96.0

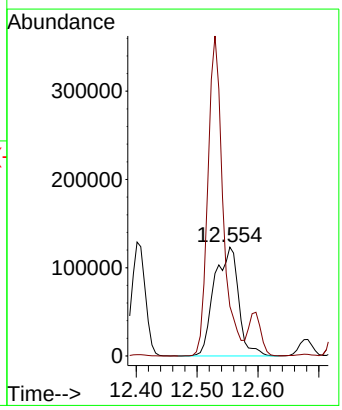


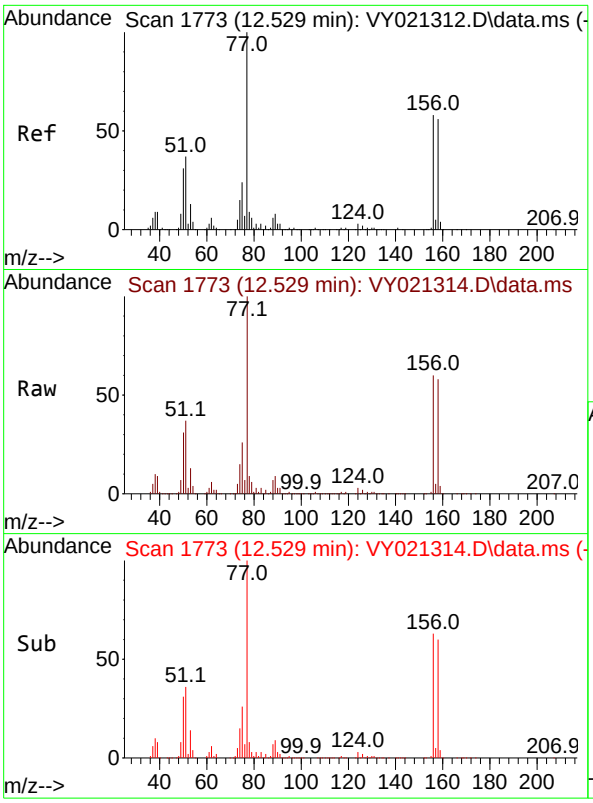


#76
1,2,3-Trichloropropane
Concen: 277.334 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 339496

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



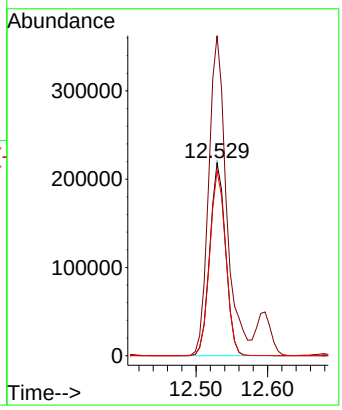


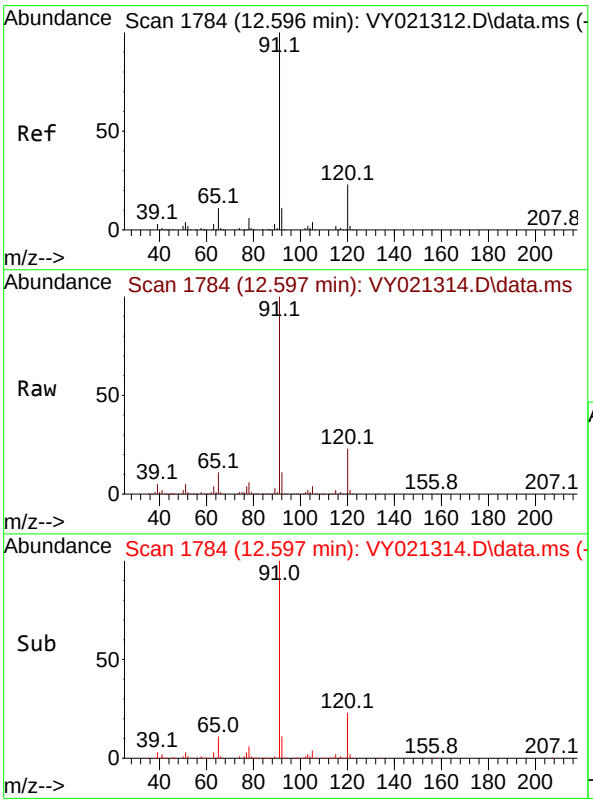
#77
Bromobenzene
Concen: 157.025 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 333772

Ion	Ratio	Lower	Upper
156	100		
77	186.1	94.0	282.1
158	97.0	48.7	146.1

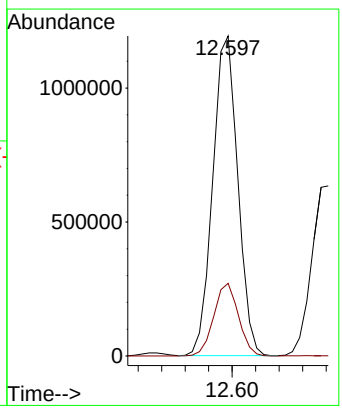


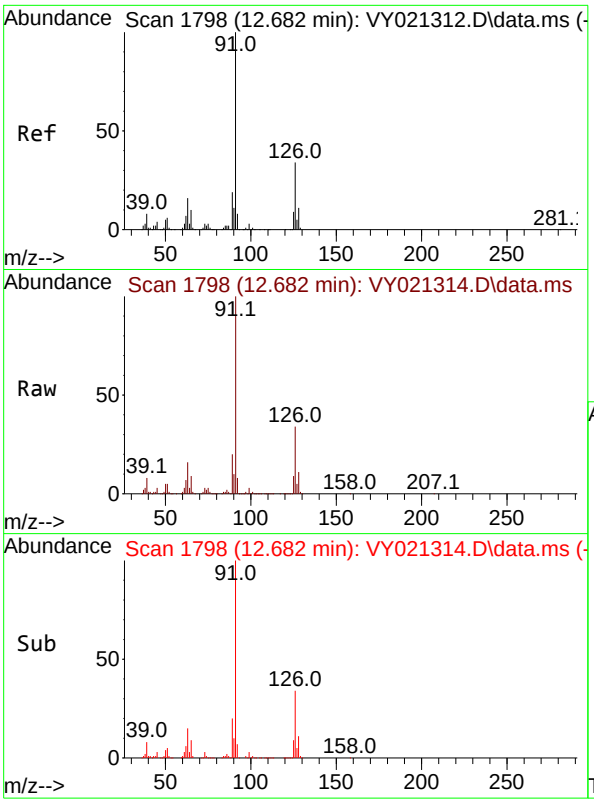


#78
n-propylbenzene
Concen: 159.217 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1765636

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.5



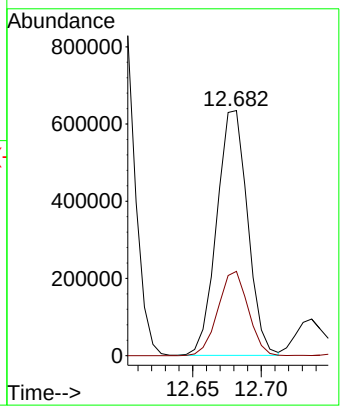


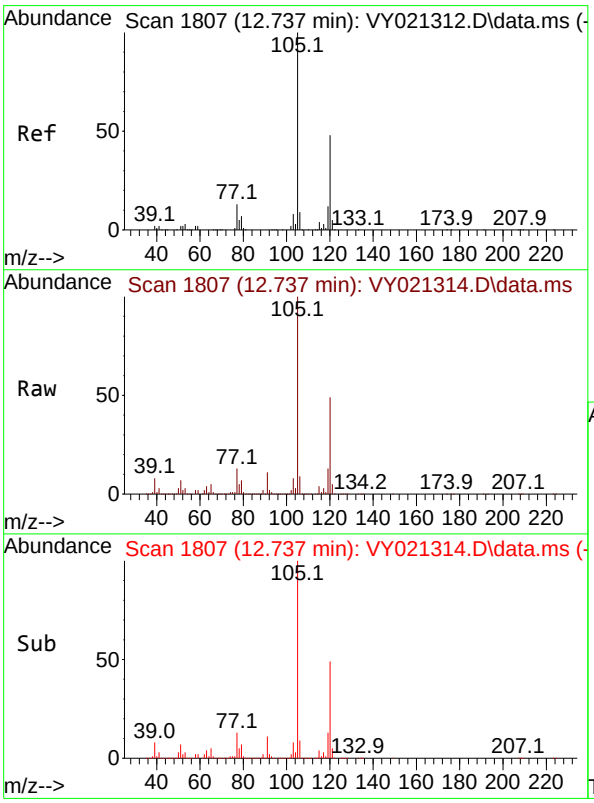
#79
2-Chlorotoluene
Concen: 156.411 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 995452

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6

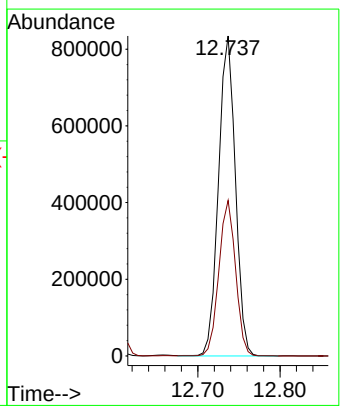


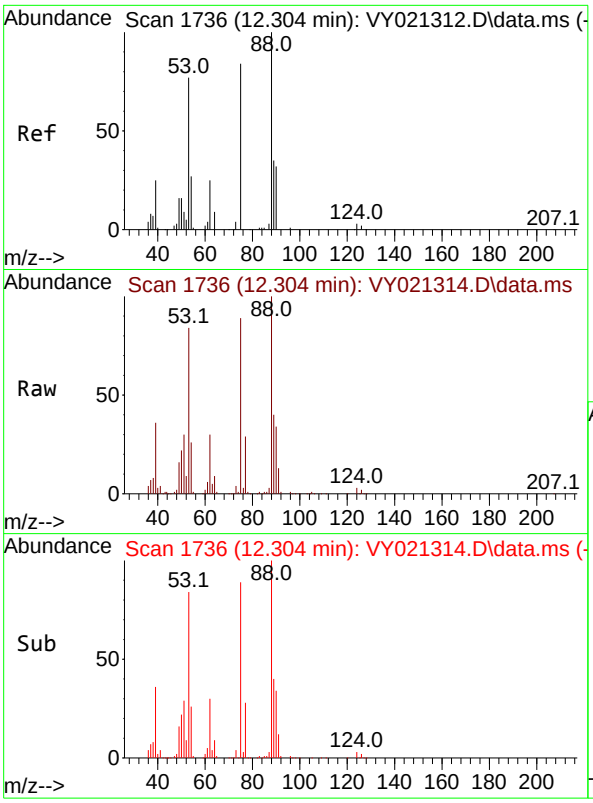


#80
1,3,5-Trimethylbenzene
Concen: 158.830 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1190462

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	73.0



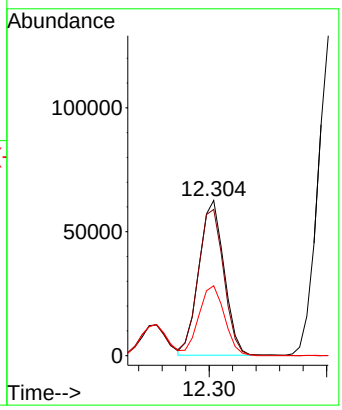


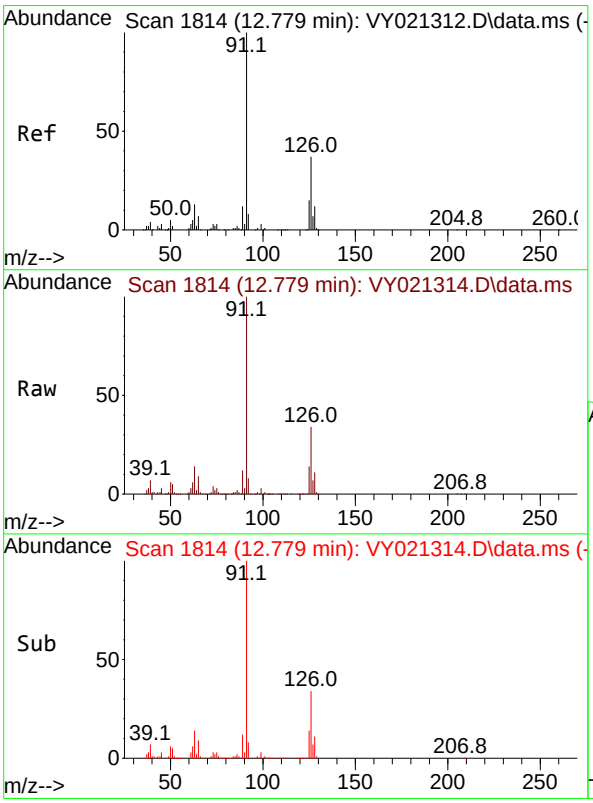
#81
trans-1,4-Dichloro-2-butene
Concen: 169.722 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 92910

Ion	Ratio	Lower	Upper
75	100		
53	96.8	79.1	118.7
89	46.3	35.6	53.4

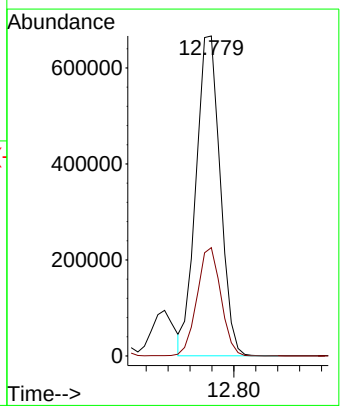


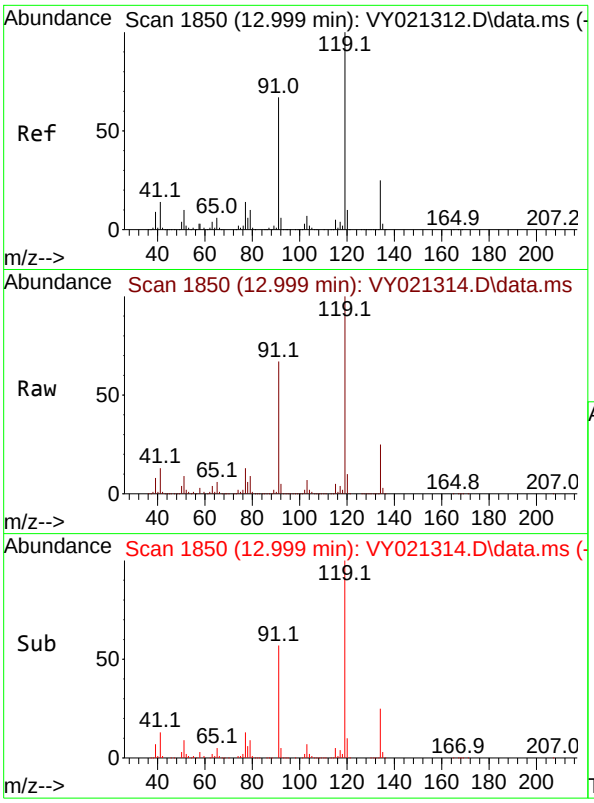


#82
4-Chlorotoluene
Concen: 154.883 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 91 Resp: 1021811

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.8	50.4



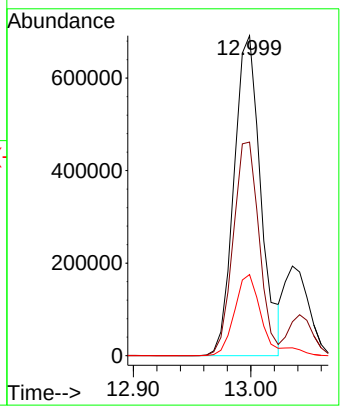


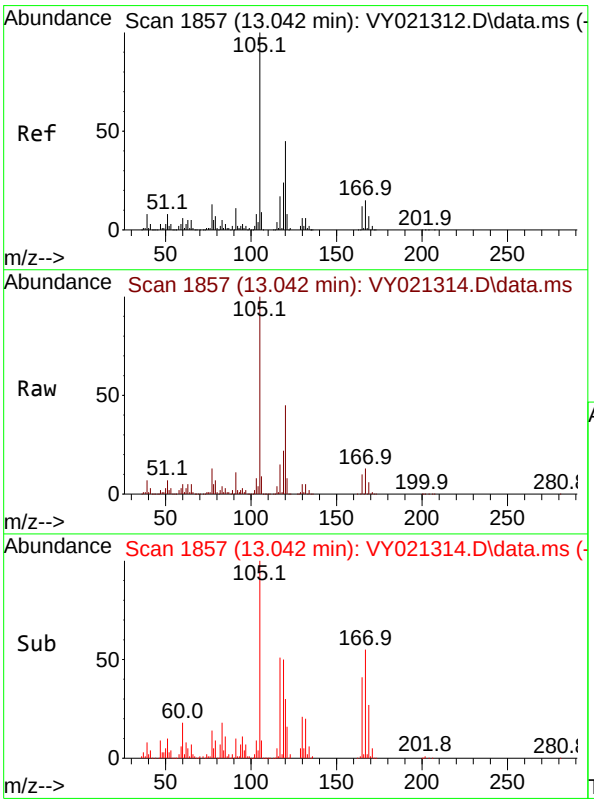
#83
tert-Butylbenzene
Concen: 161.602 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1094125

Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.7	98.1
134	26.2	13.3	39.9

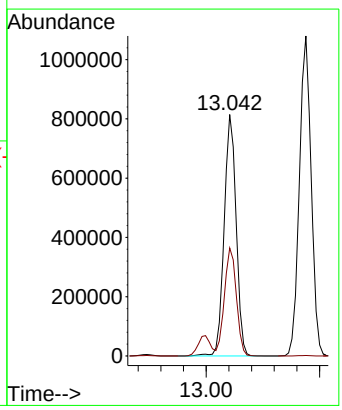


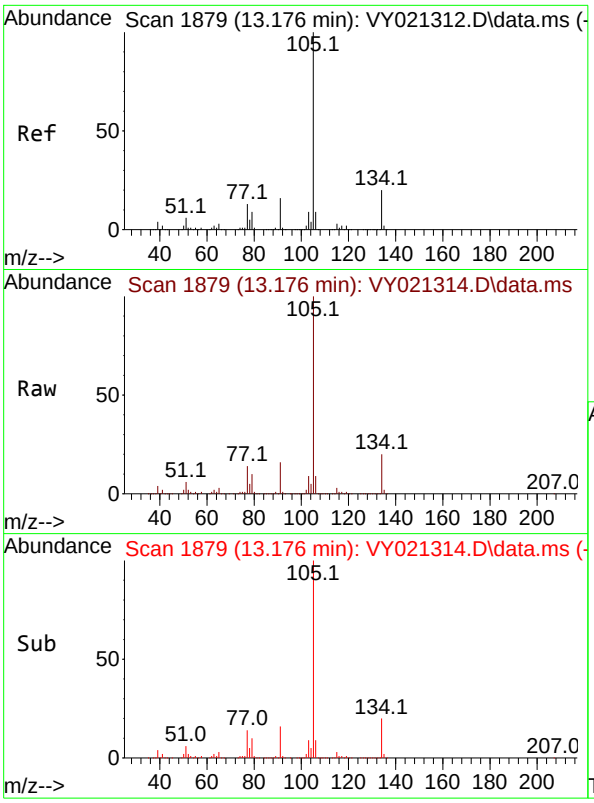


#84
1,2,4-Trimethylbenzene
Concen: 159.915 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:105 Resp: 1192062

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.3



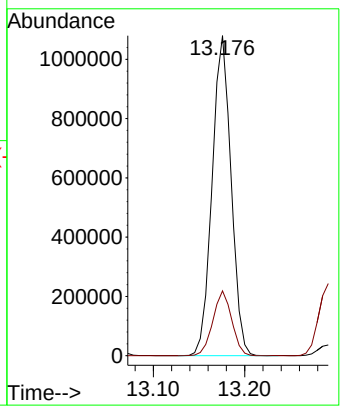


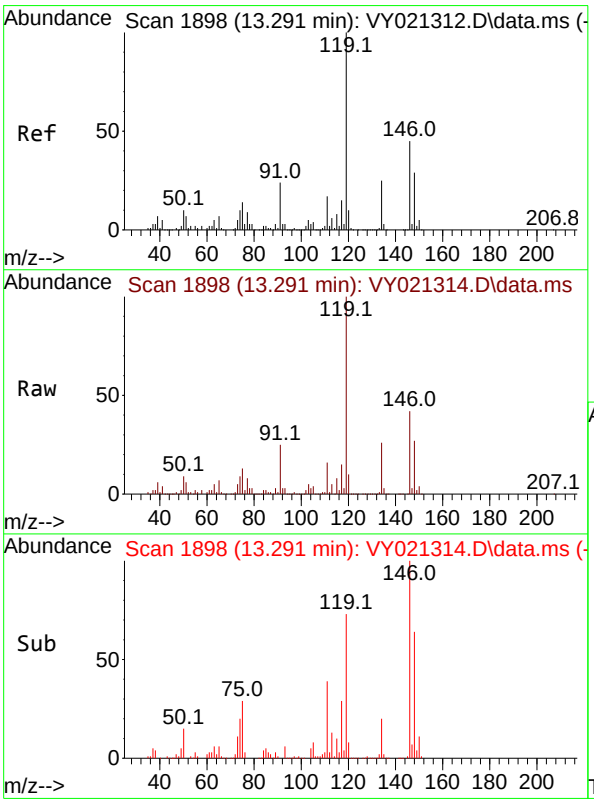
#85
sec-Butylbenzene
Concen: 157.594 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1558540

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0

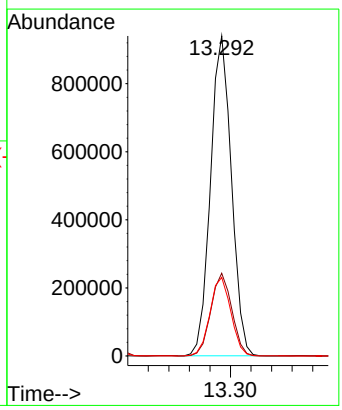


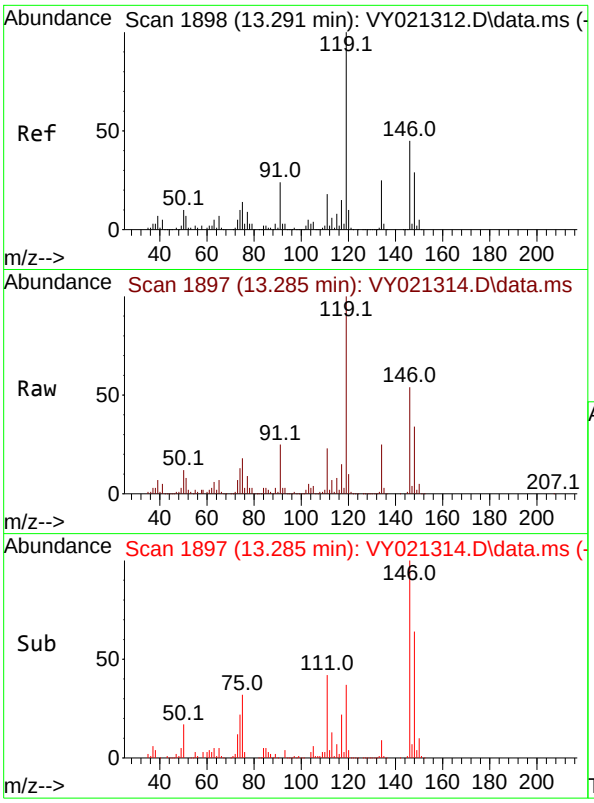


#86
p-Isopropyltoluene
Concen: 160.795 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:119 Resp: 1327819

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.5	12.0	36.1



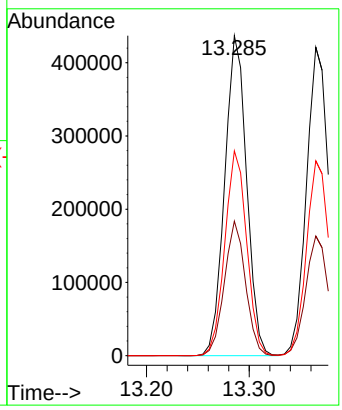


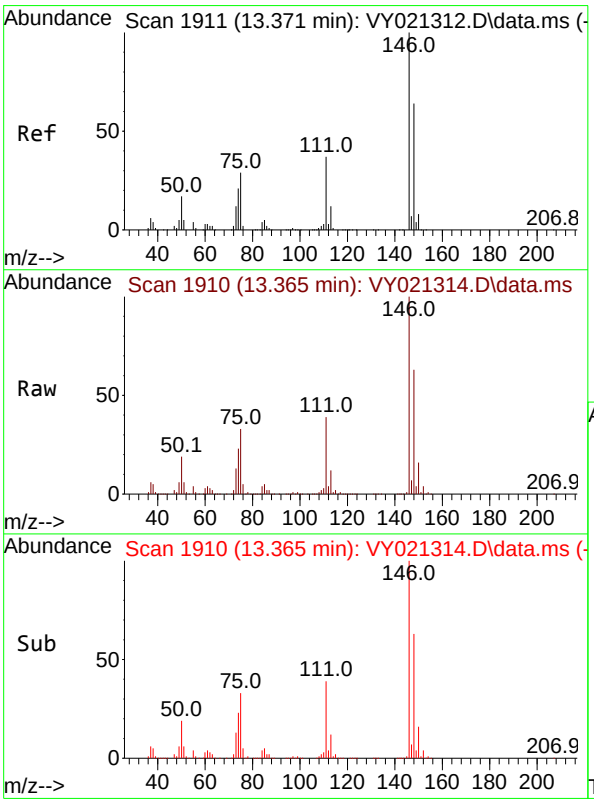
#87
1,3-Dichlorobenzene
Concen: 154.161 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 648204

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.9	31.9	95.9

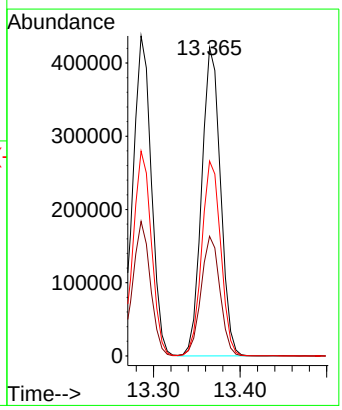


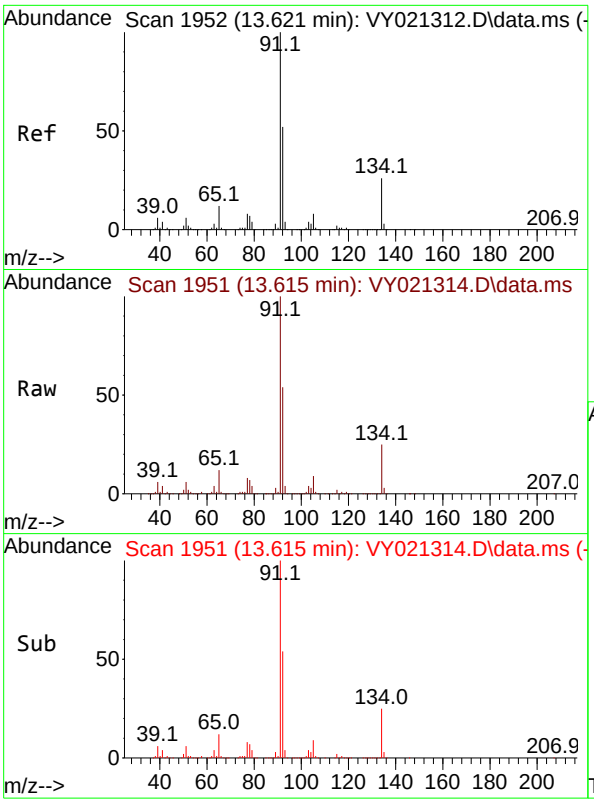


#88
1,4-Dichlorobenzene
Concen: 153.109 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:146 Resp: 635981

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.7	32.0	96.2



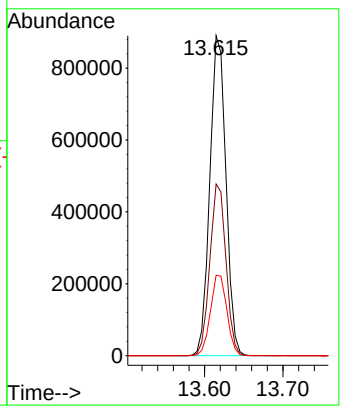


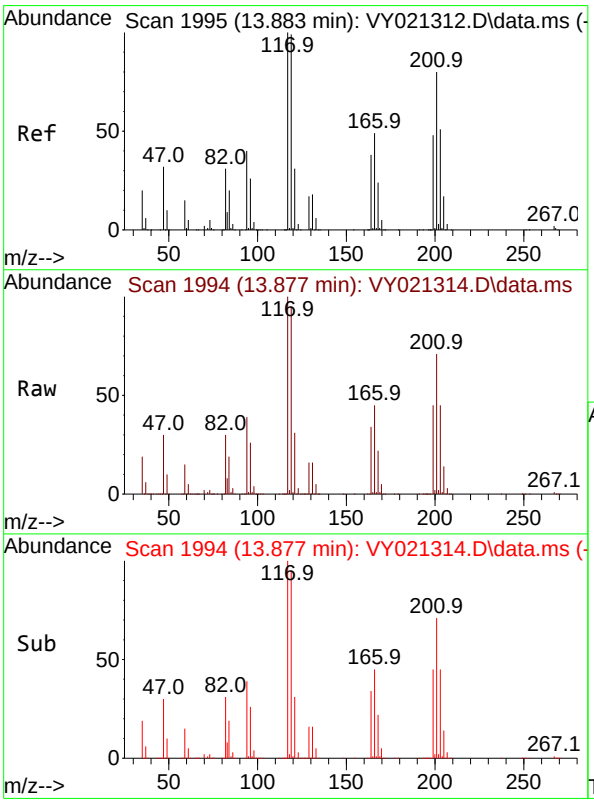
#89
n-Butylbenzene
Concen: 163.350 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1269399

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.2
134	25.7	12.7	38.0

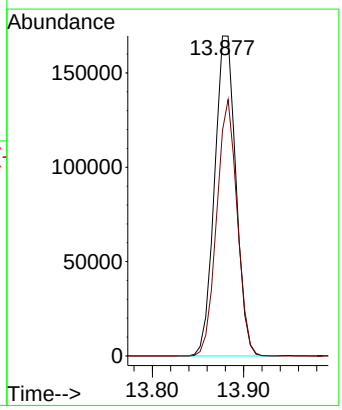


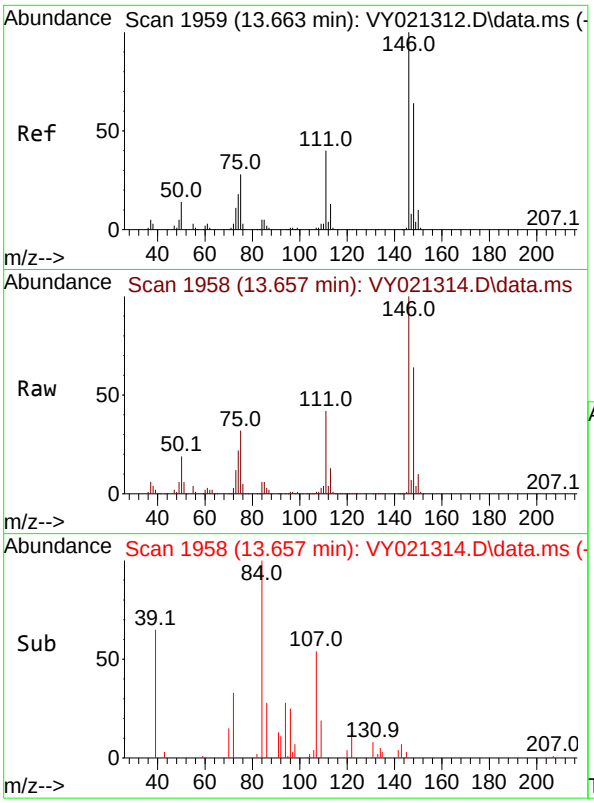


#90
Hexachloroethane
Concen: 159.641 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:117 Resp: 275368

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2



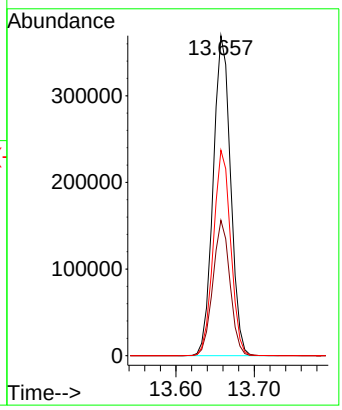


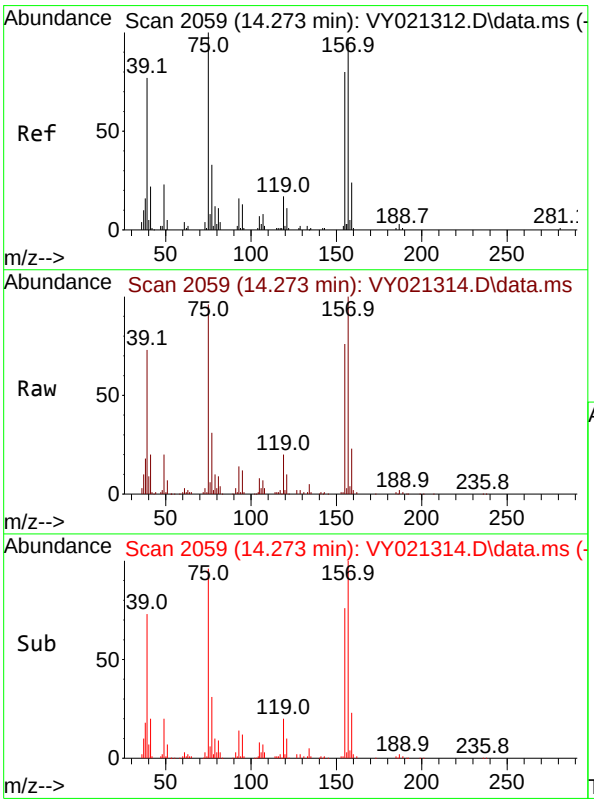
#91
1,2-Dichlorobenzene
Concen: 154.826 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 570360

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.8	31.7	95.1

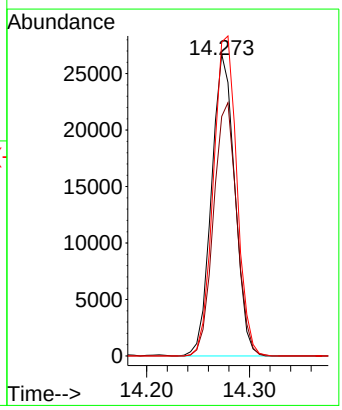


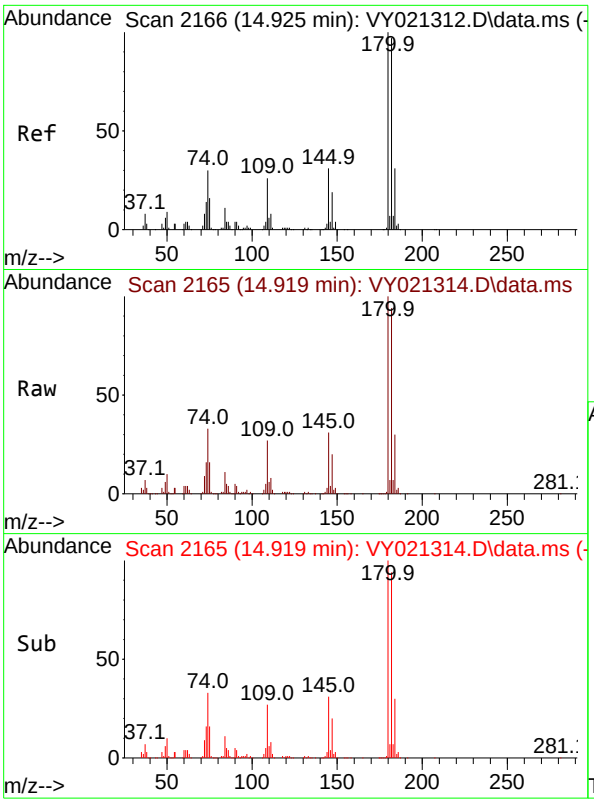


#92
1,2-Dibromo-3-Chloropropane
Concen: 164.851 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion: 75 Resp: 42060

Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.9	125.6
157	106.6	52.5	157.6



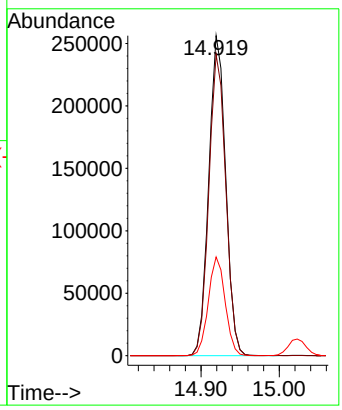


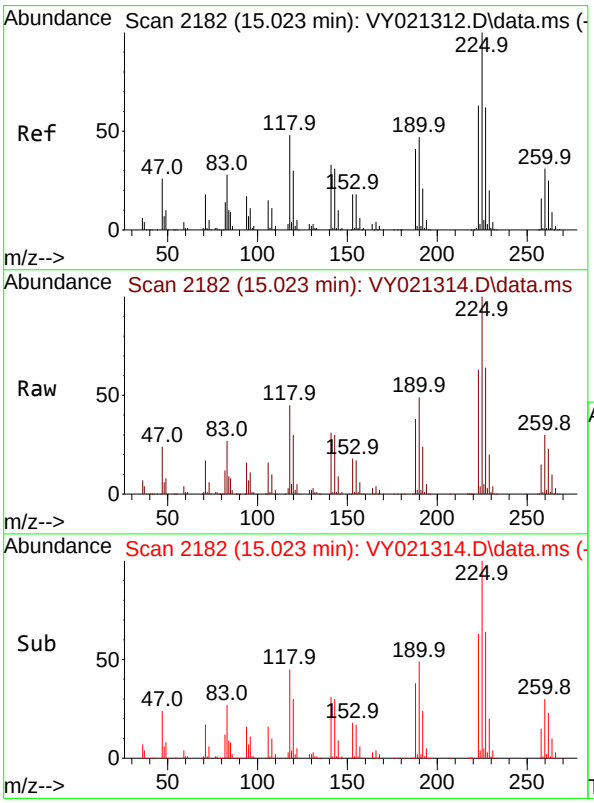
#93
1,2,4-Trichlorobenzene
Concen: 170.860 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 384163

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	30.7	15.6	46.8

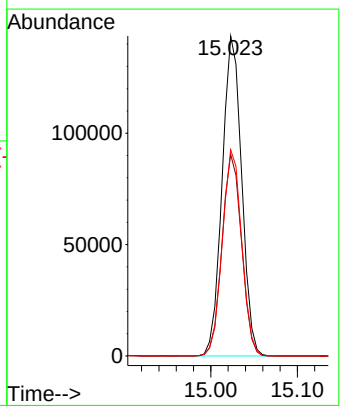


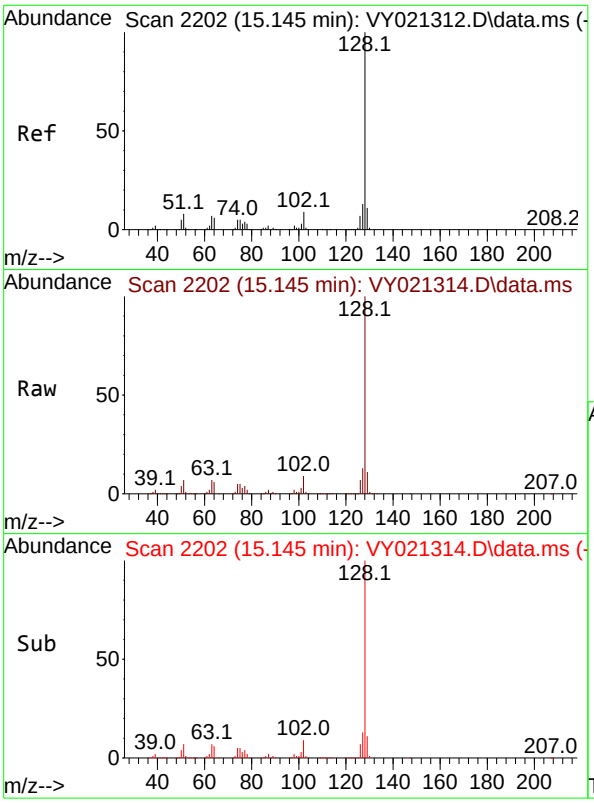


#94
Hexachlorobutadiene
Concen: 158.670 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:225 Resp: 224602

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.4
227	64.2	31.9	95.7



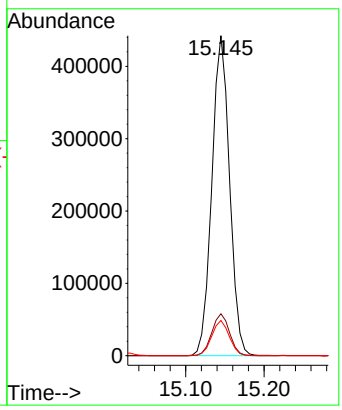


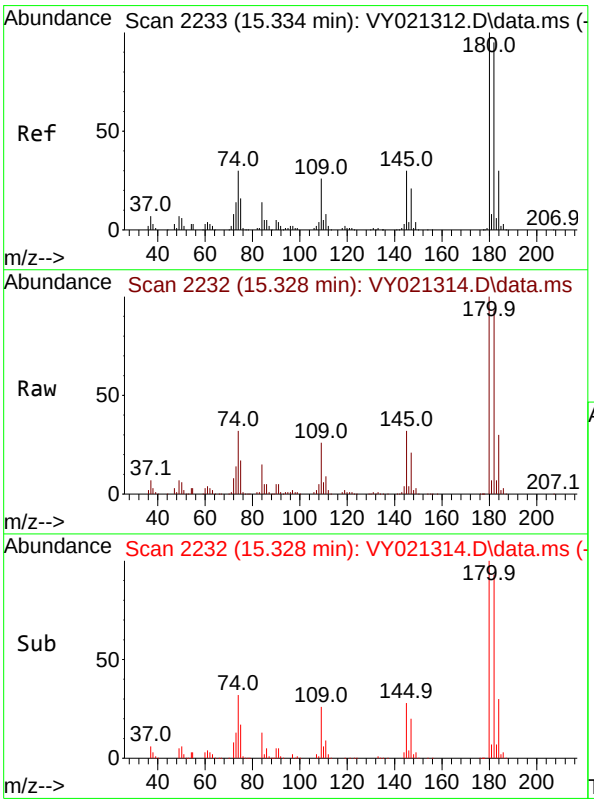
#95
Naphthalene
Concen: 186.517 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 694625

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.5	12.7

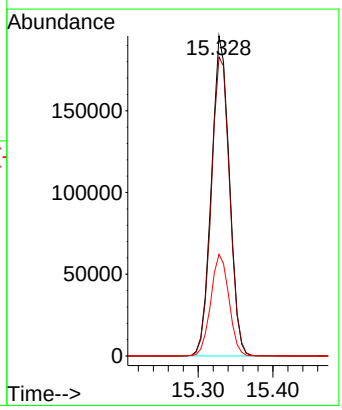




#96
1,2,3-Trichlorobenzene
Concen: 172.067 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021314.D
Acq: 25 Feb 2025 15:57

Tgt Ion:180 Resp: 326876

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	32.1	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	190677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	300486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	267150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208535	96.407	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 192.820%#			
35) Dibromofluoromethane	7.634	113	193803	98.377	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.760%#			
50) Toluene-d8	10.103	98	752895	98.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 197.780%#			
62) 4-Bromofluorobenzene	12.408	95	252327	98.477	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 196.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	170537	94.332	ug/l	97
3) Chloromethane	2.068	50	217555	93.180	ug/l	99
4) Vinyl Chloride	2.202	62	221196	96.523	ug/l	97
5) Bromomethane	2.592	94	136840	89.858	ug/l	100
6) Chloroethane	2.732	64	135372	95.259	ug/l	99
7) Trichlorofluoromethane	3.056	101	331928	95.909	ug/l	95
8) Diethyl Ether	3.452	74	100381	96.637	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	193544	96.593	ug/l	99
10) Methyl Iodide	4.000	142	228728	108.503	ug/l	100
11) Tert butyl alcohol	4.854	59	65742	395.134	ug/l	99
12) 1,1-Dichloroethene	3.787	96	186684	97.304	ug/l	99
13) Acrolein	3.653	56	11267	88.370	ug/l	99
14) Allyl chloride	4.378	41	339203	99.720	ug/l	99
15) Acrylonitrile	5.055	53	219275	477.449	ug/l	99
16) Acetone	3.866	43	196435	473.421	ug/l	99
17) Carbon Disulfide	4.104	76	617661	96.953	ug/l	100
18) Methyl Acetate	4.385	43	95405	94.085	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	498467	98.337	ug/l	99
20) Methylene Chloride	4.616	84	201698	89.894	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	208498	98.718	ug/l	96
22) Diisopropyl ether	6.018	45	697290	99.061	ug/l	97
23) Vinyl Acetate	5.957	43	2103219	500.017	ug/l	99
24) 1,1-Dichloroethane	5.909	63	384030	96.798	ug/l	99
25) 2-Butanone	6.890	43	303077	483.977	ug/l	97
26) 2,2-Dichloropropane	6.884	77	350870	97.467	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	238916	99.061	ug/l	99
28) Bromochloromethane	7.244	49	167271	95.287	ug/l	99
29) Tetrahydrofuran	7.256	42	199056	486.299	ug/l	98
30) Chloroform	7.421	83	387767	96.458	ug/l	99
31) Cyclohexane	7.701	56	351876	92.269	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	353701	96.663	ug/l	98
36) 1,1-Dichloropropene	7.835	75	287472	97.146	ug/l	100
37) Ethyl Acetate	6.982	43	137233	93.230	ug/l	99
38) Carbon Tetrachloride	7.817	117	321576	96.663	ug/l	99
39) Methylcyclohexane	9.109	83	371172	99.169	ug/l	99
40) Benzene	8.079	78	847066	96.835	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	77542	94.219	ug/l		99
42) 1,2-Dichloroethane	8.152	62	236704	95.375	ug/l		100
43) Isopropyl Acetate	8.195	43	280321	98.388	ug/l		99
44) Trichloroethene	8.865	130	212562	97.057	ug/l		99
45) 1,2-Dichloropropane	9.140	63	201701	95.814	ug/l		98
46) Dibromomethane	9.231	93	110814	96.301	ug/l		99
47) Bromodichloromethane	9.420	83	297320	96.904	ug/l		99
48) Methyl methacrylate	9.219	41	135412	101.635	ug/l		99
49) 1,4-Dioxane	9.225	88	24355	1903.504	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	716009	490.938	ug/l		100
52) Toluene	10.170	92	539016	99.189	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	284731	101.290	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	328107	98.870	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	142372	94.975	ug/l		98
56) Ethyl methacrylate	10.438	69	216586	104.564	ug/l		98
57) 1,3-Dichloropropane	10.719	76	255903	97.283	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	530695	533.791	ug/l		100
59) 2-Hexanone	10.761	43	485734	507.115	ug/l		99
60) Dibromochloromethane	10.908	129	199225	97.582	ug/l		99
61) 1,2-Dibromoethane	11.011	107	136284	96.029	ug/l		98
64) Tetrachloroethene	10.646	164	189679	93.936	ug/l		99
65) Chlorobenzene	11.438	112	576109	96.070	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	203696	97.007	ug/l		99
67) Ethyl Benzene	11.517	91	1057129	99.522	ug/l		100
68) m/p-Xylenes	11.627	106	783034	195.986	ug/l		100
69) o-Xylene	11.956	106	370964	99.112	ug/l		100
70) Styrene	11.969	104	619437	99.469	ug/l		99
71) Bromoform	12.133	173	114495	95.313	ug/l	#	99
73) Isopropylbenzene	12.255	105	987758	100.648	ug/l		99
74) N-amyl acetate	12.072	43	258576	103.658	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	162941	94.075	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	221853	168.760	ug/l	#	100
77) Bromobenzene	12.529	156	223081	97.728	ug/l		98
78) n-propylbenzene	12.596	91	1186751	99.651	ug/l		100
79) 2-Chlorotoluene	12.682	91	666071	97.455	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	794247	98.676	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	58806	100.031	ug/l		99
82) 4-Chlorotoluene	12.779	91	687385	97.022	ug/l		100
83) tert-Butylbenzene	12.999	119	720480	99.092	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	795840	99.415	ug/l		100
85) sec-Butylbenzene	13.176	105	1041022	98.021	ug/l		100
86) p-Isopropyltoluene	13.291	119	881757	99.431	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	435489	96.445	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	425301	95.343	ug/l		99
89) n-Butylbenzene	13.621	91	840236	100.683	ug/l		100
90) Hexachloroethane	13.883	117	181015	97.720	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	377453	95.410	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26541	96.867	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	248146	102.770	ug/l		100
94) Hexachlorobutadiene	15.023	225	147103	96.770	ug/l		99
95) Naphthalene	15.145	128	436817	109.220	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	211313	103.581	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration

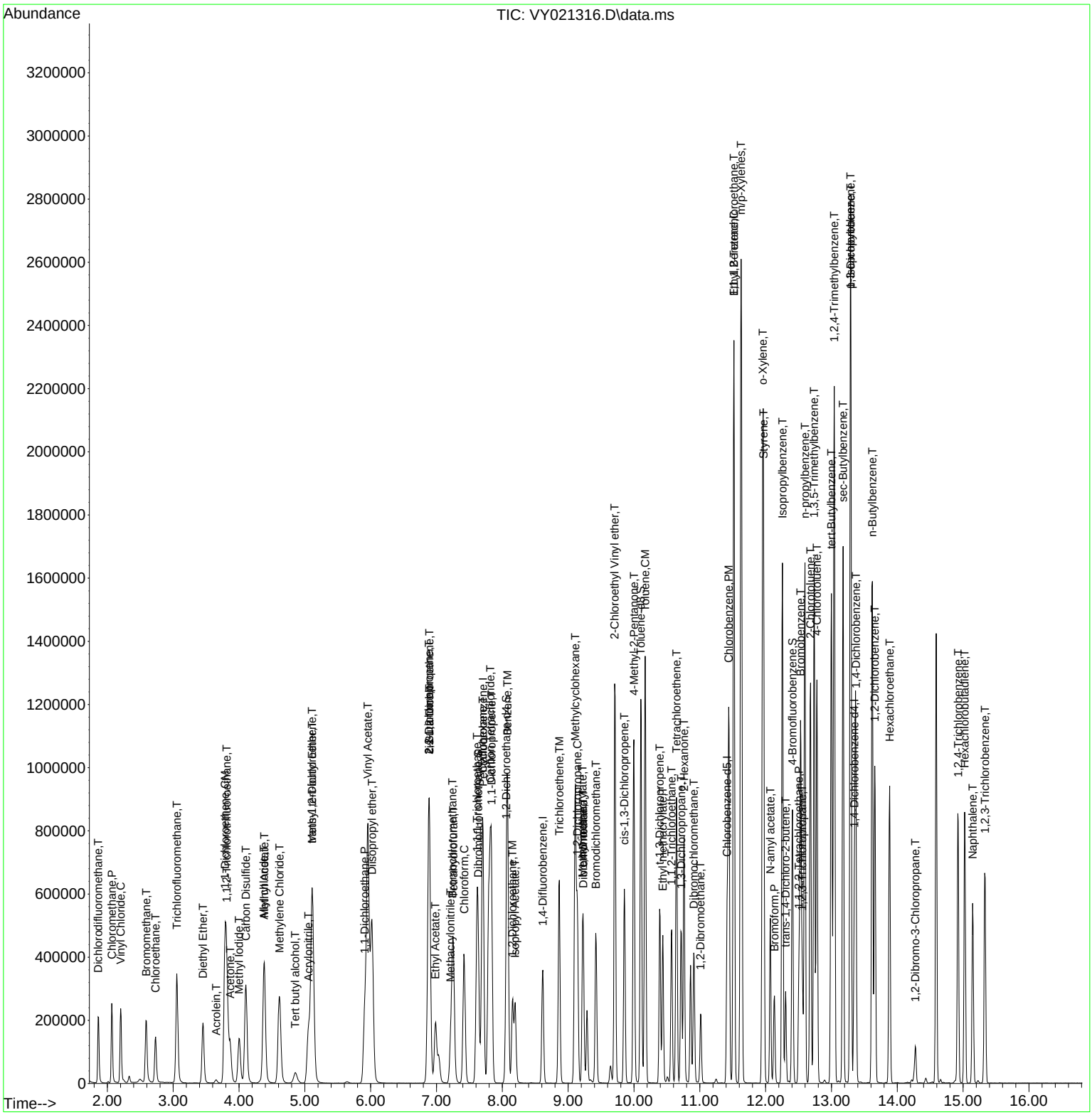
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

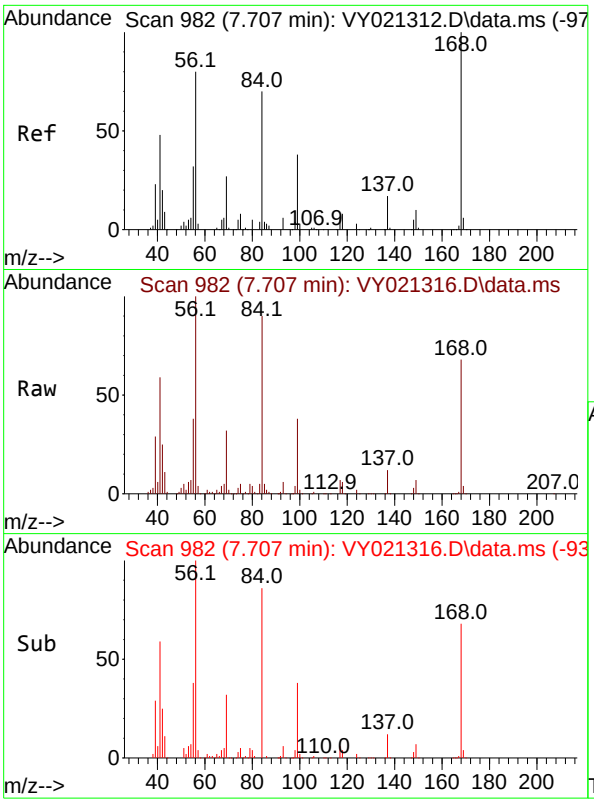
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021316.D
Acq On : 25 Feb 2025 16:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Feb 26 01:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 01:41:21 2025
Response via : Initial Calibration



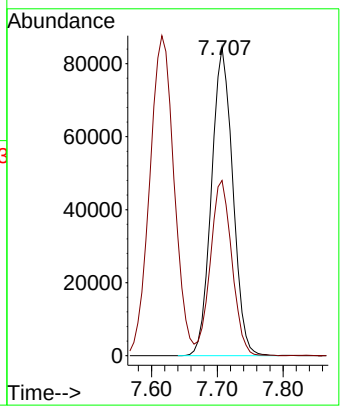


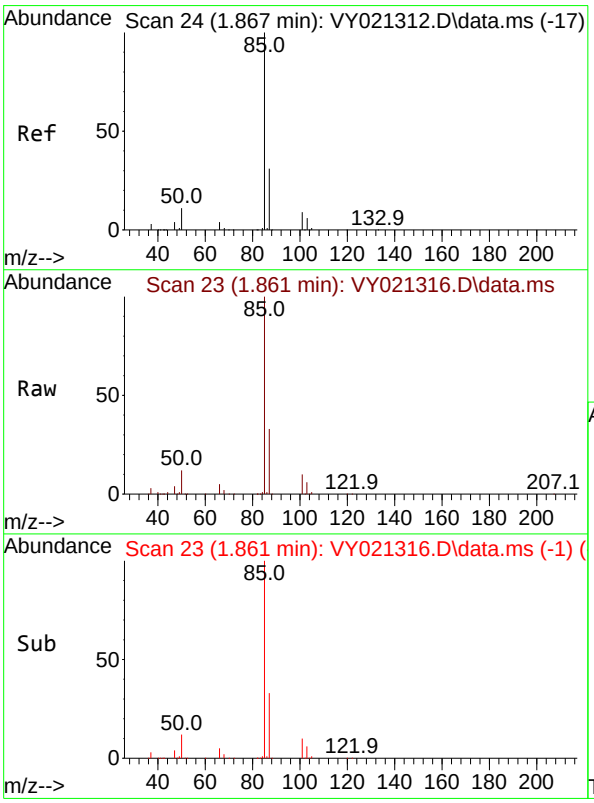
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 190677

Ion	Ratio	Lower	Upper
168	100		
99	56.8	47.1	70.7

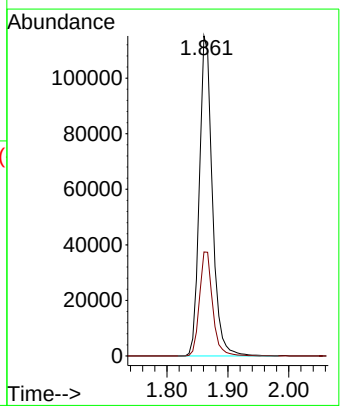


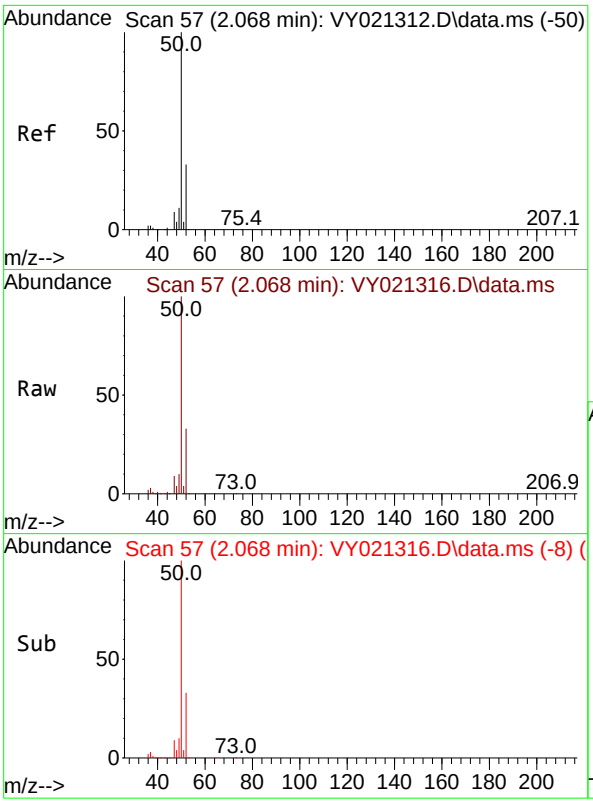


#2
Dichlorodifluoromethane
Concen: 94.332 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 85 Resp: 170537

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.4	46.4



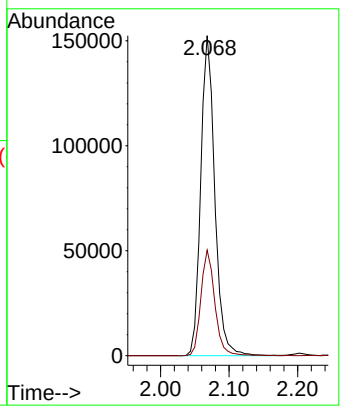


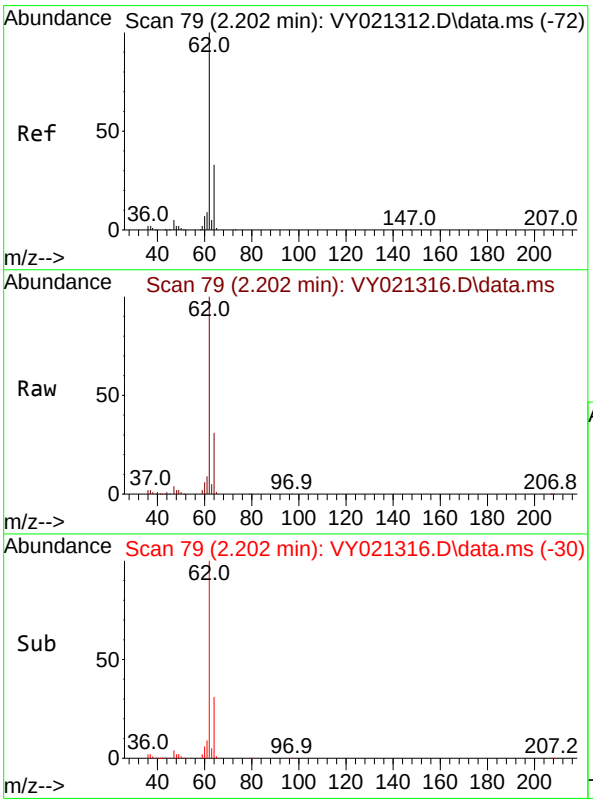
#3
Chloromethane
Concen: 93.180 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 217555

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.6	40.0

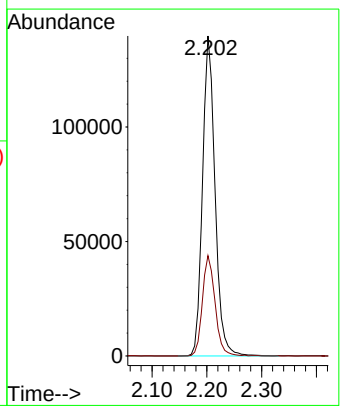


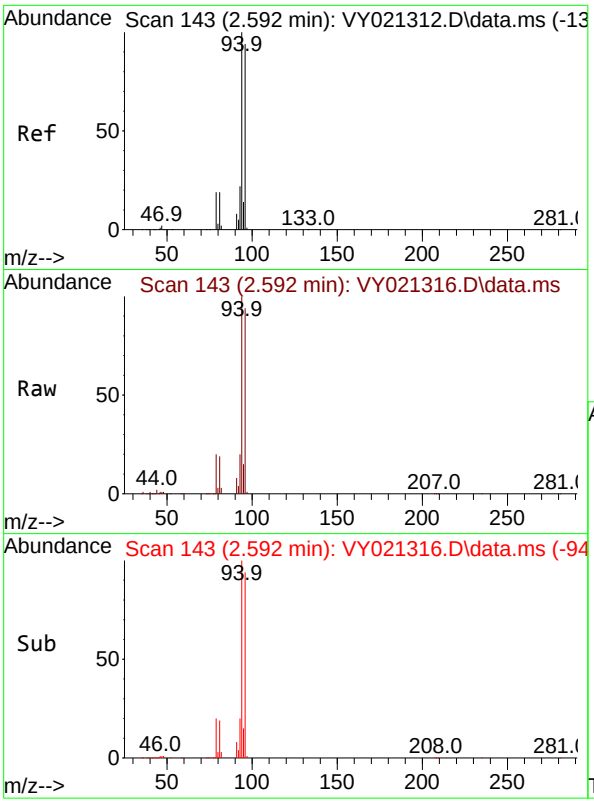


#4
Vinyl Chloride
Concen: 96.523 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 221196

Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.3	39.5



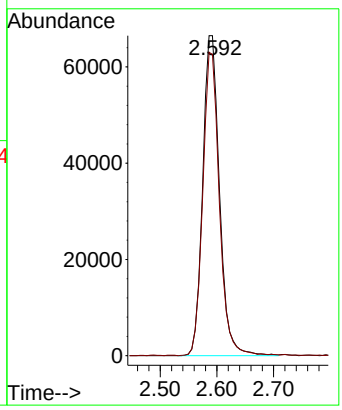


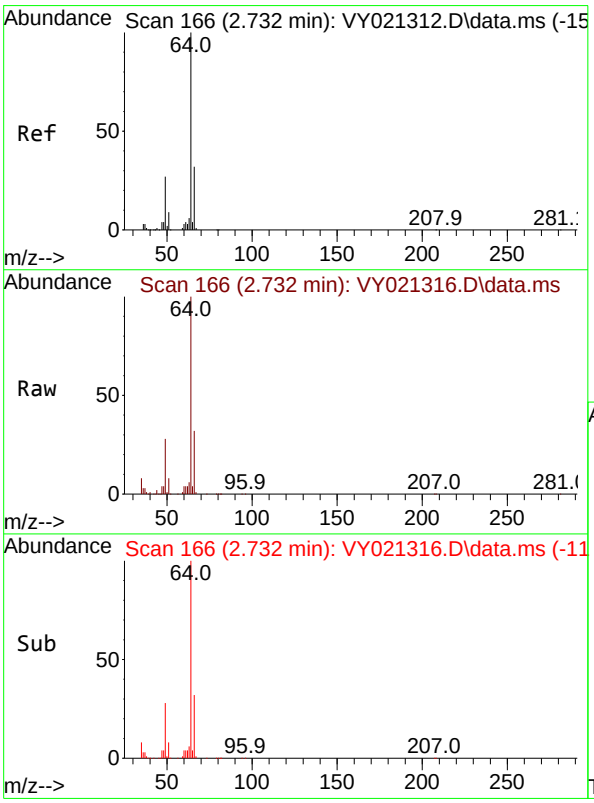
#5
Bromomethane
Concen: 89.858 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 136840

Ion	Ratio	Lower	Upper
94	100		
96	94.2	75.2	112.8

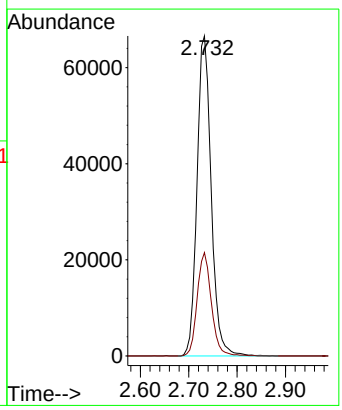


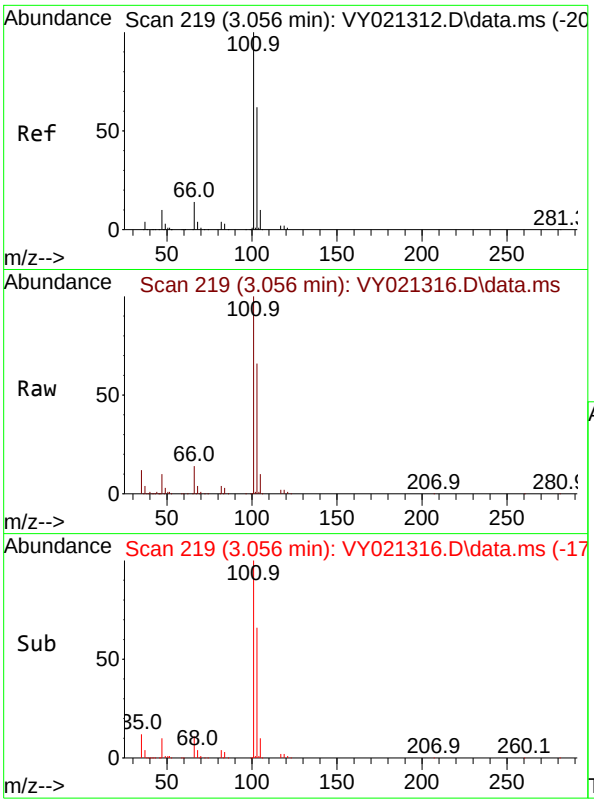


#6
Chloroethane
Concen: 95.259 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 64 Resp: 135372

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.4	38.0



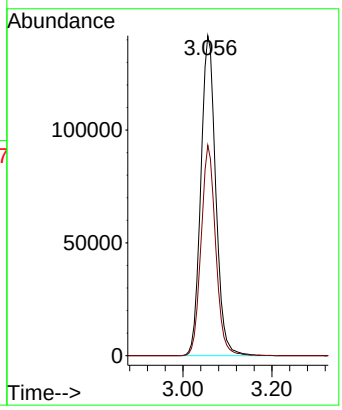


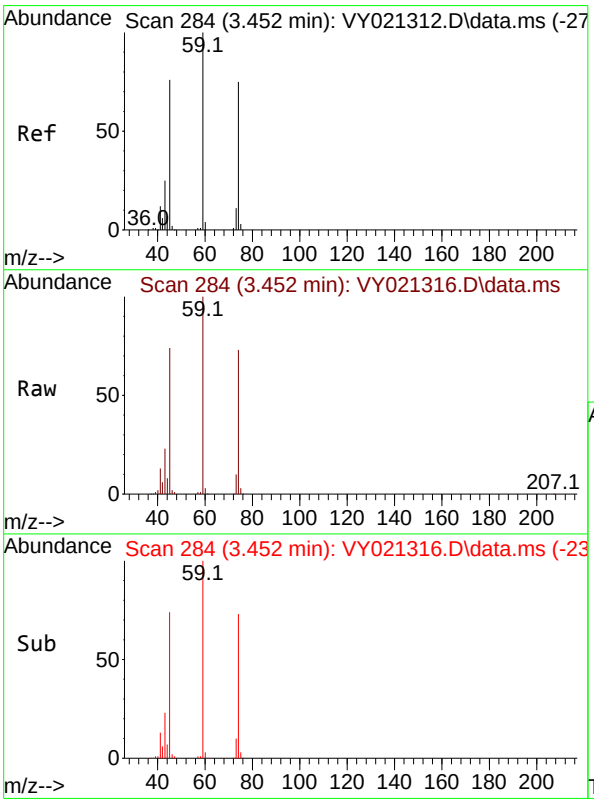
#7
Trichlorofluoromethane
Concen: 95.909 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 331928

Ion	Ratio	Lower	Upper
101	100		
103	65.7	49.7	74.5

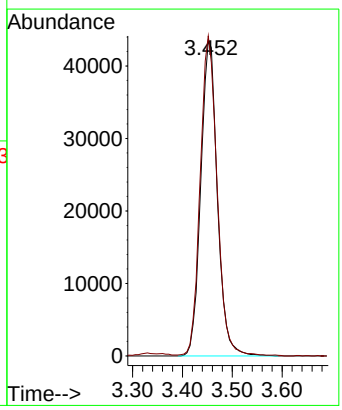


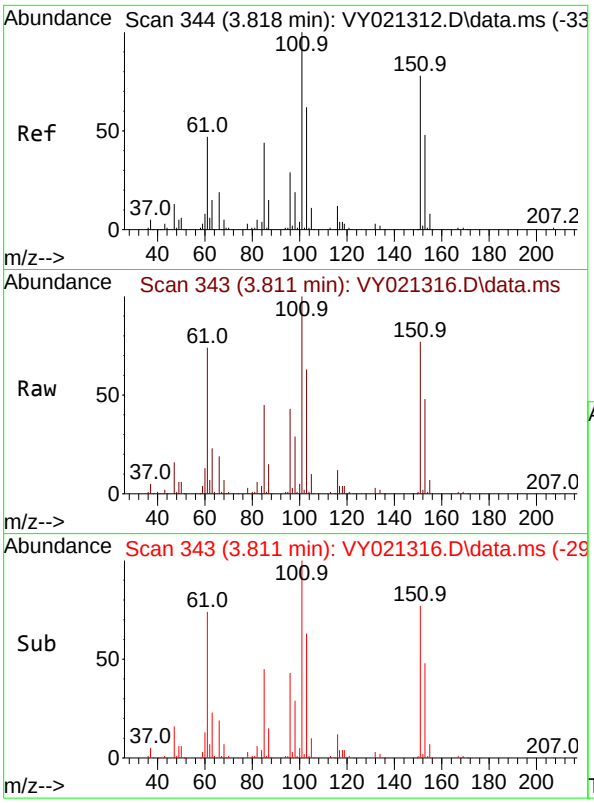


#8
Diethyl Ether
Concen: 96.637 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 74 Resp: 100381

Ion	Ratio	Lower	Upper
74	100		
45	104.0	50.3	150.9



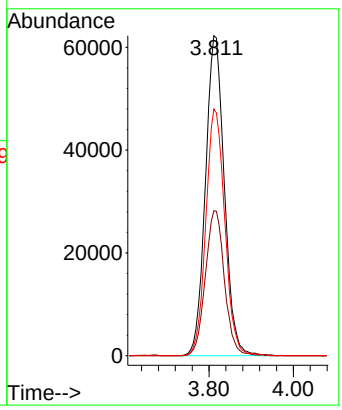


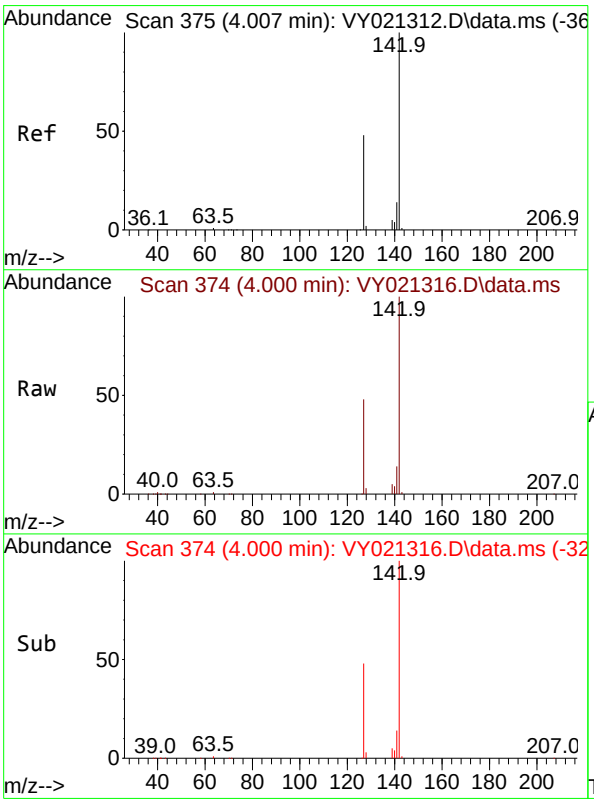
#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.593 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 193544

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.7	55.1
151	77.3	62.6	94.0

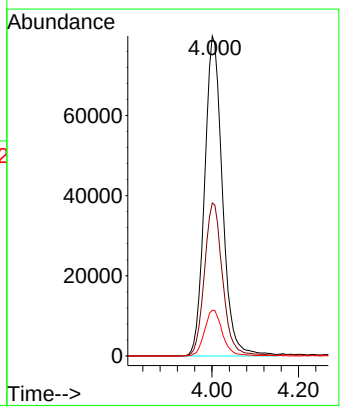


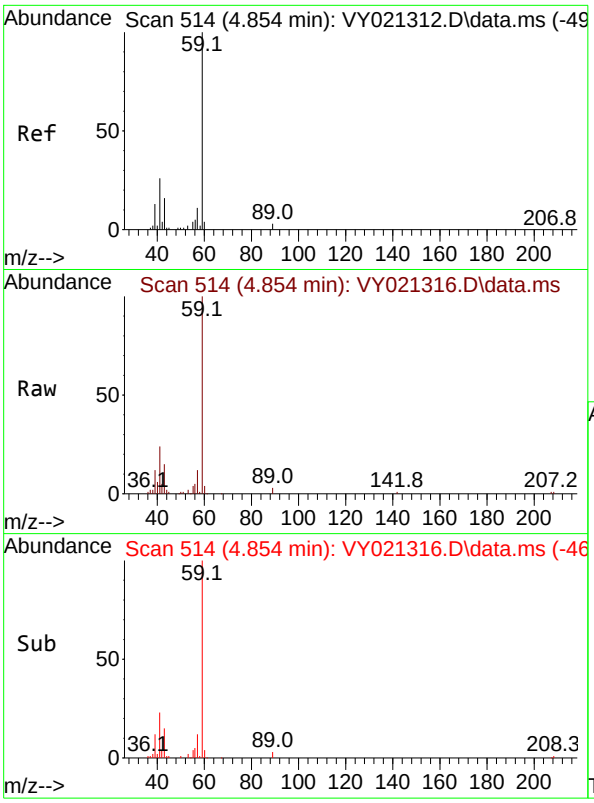


#10
Methyl Iodide
Concen: 108.503 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:142 Resp: 228728

Ion	Ratio	Lower	Upper
142	100		
127	48.8	39.2	58.8
141	14.3	11.4	17.2



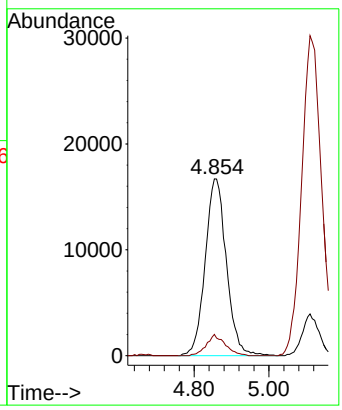


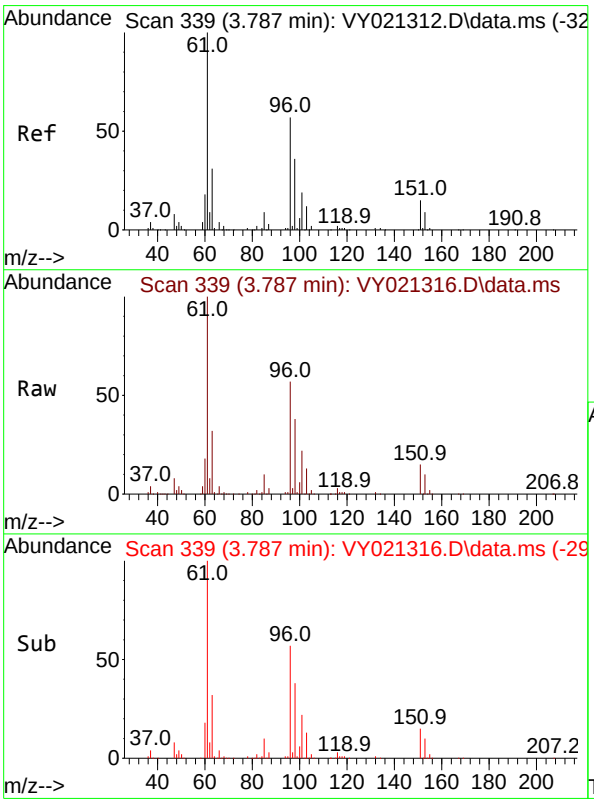
#11
Tert butyl alcohol
Concen: 395.134 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 65742

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

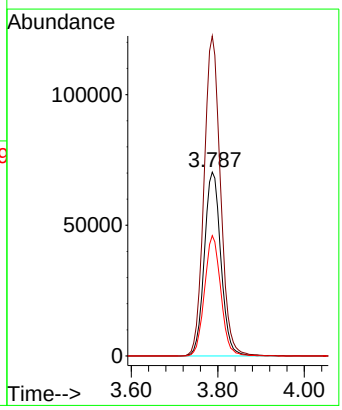


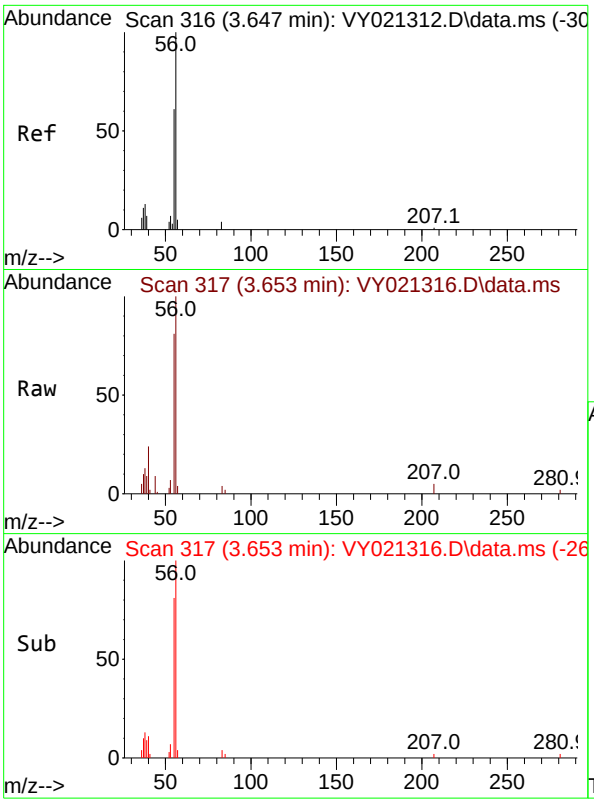


#12
1,1-Dichloroethene
Concen: 97.304 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 96 Resp: 186684

Ion	Ratio	Lower	Upper
96	100		
61	174.1	139.7	209.5
98	65.5	49.7	74.5



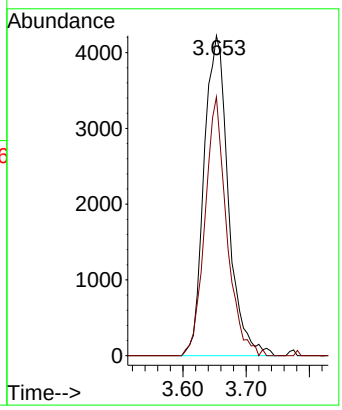


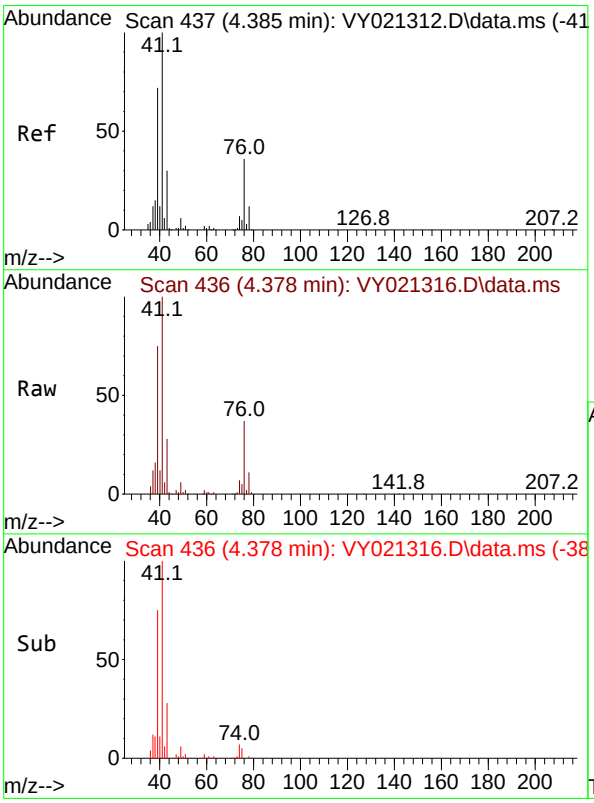
#13
Acrolein
Concen: 88.370 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 11267

Ion	Ratio	Lower	Upper
56	100		
55	72.5	59.0	88.6

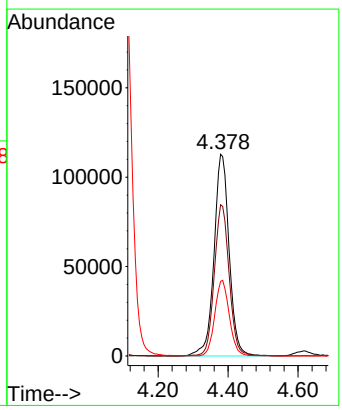


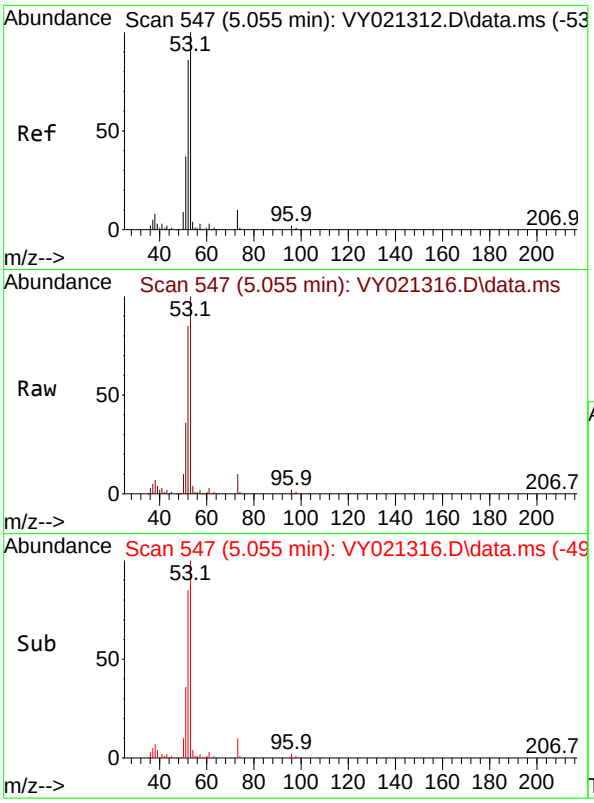


#14
Allyl chloride
Concen: 99.720 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 339203

Ion	Ratio	Lower	Upper
41	100		
39	73.6	60.0	90.0
76	36.1	29.0	43.6



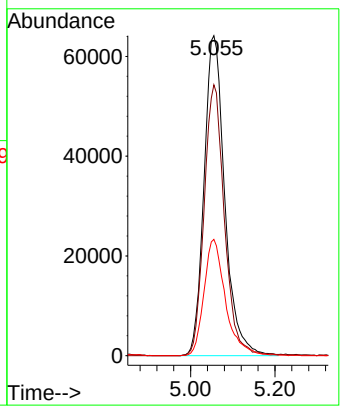


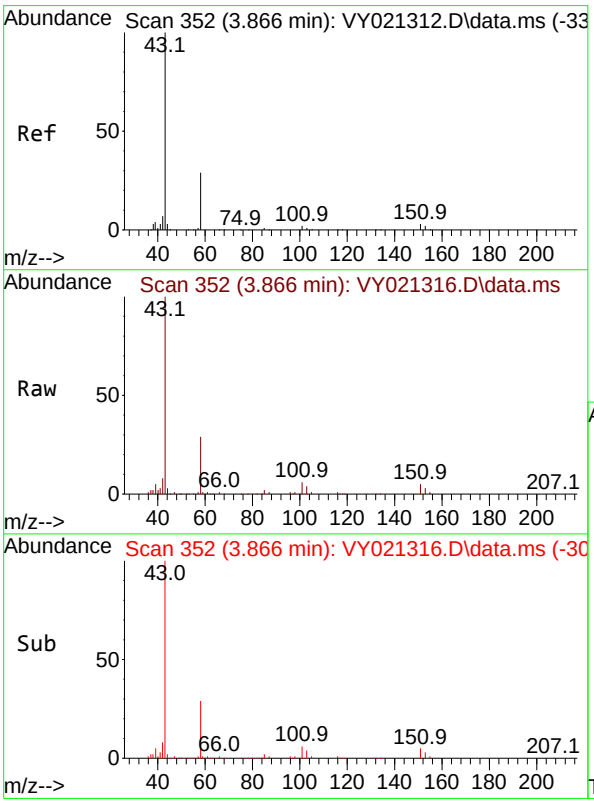
#15
Acrylonitrile
Concen: 477.449 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 219275

Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.5	98.3
51	37.9	30.6	46.0

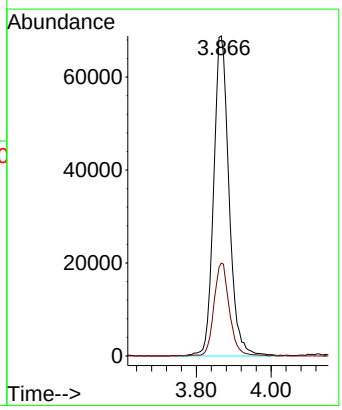


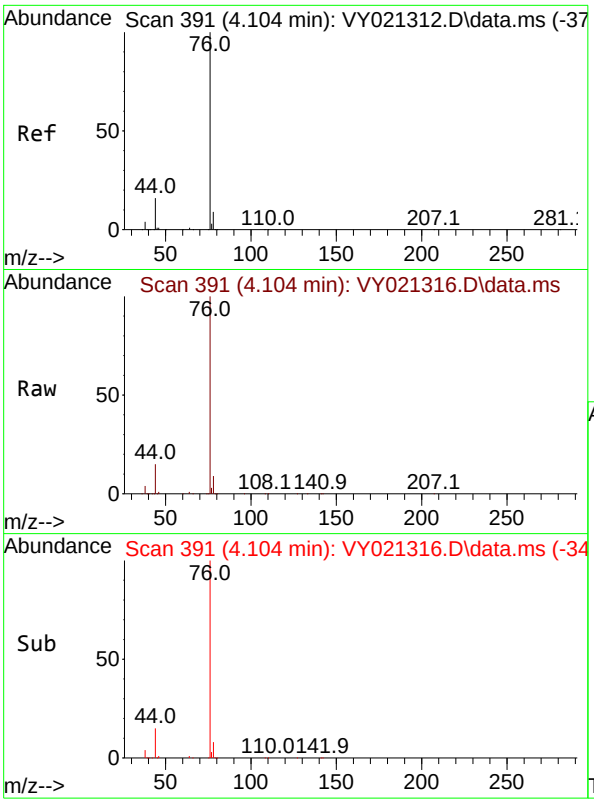


#16
Acetone
Concen: 473.421 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 196435

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.5	35.3



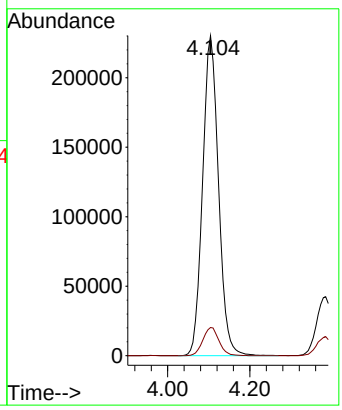


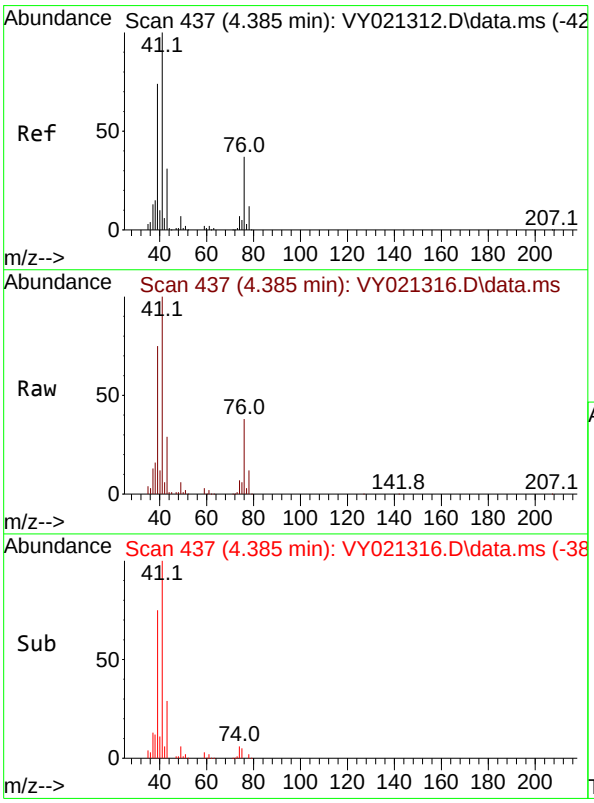
#17
Carbon Disulfide
Concen: 96.953 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 617661

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

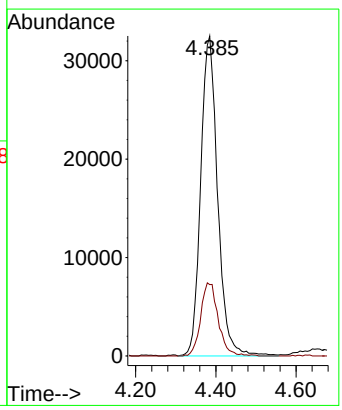


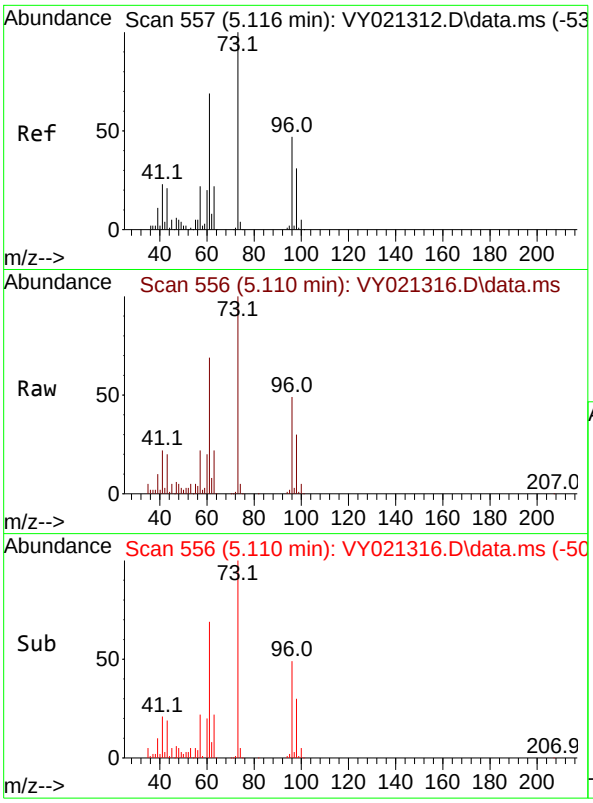


#18
Methyl Acetate
Concen: 94.085 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 95405

Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.7	26.5



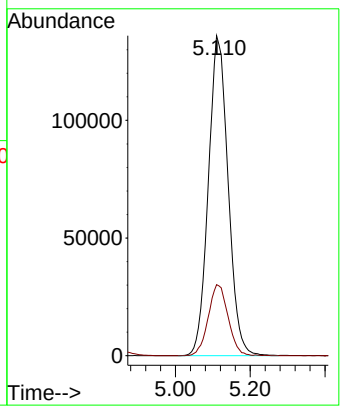


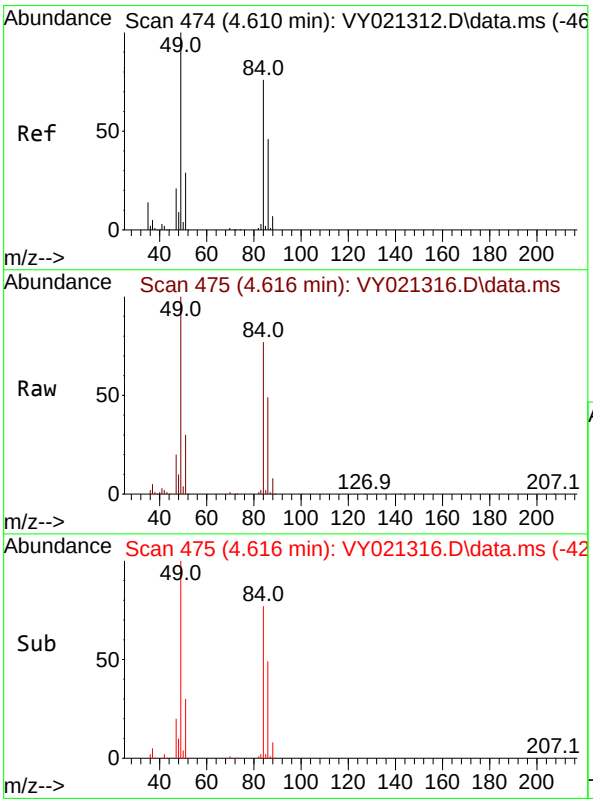
#19
Methyl tert-butyl Ether
Concen: 98.337 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 498467

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.0

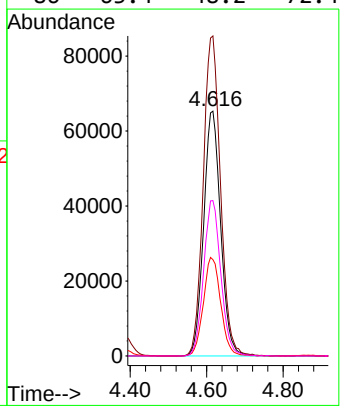


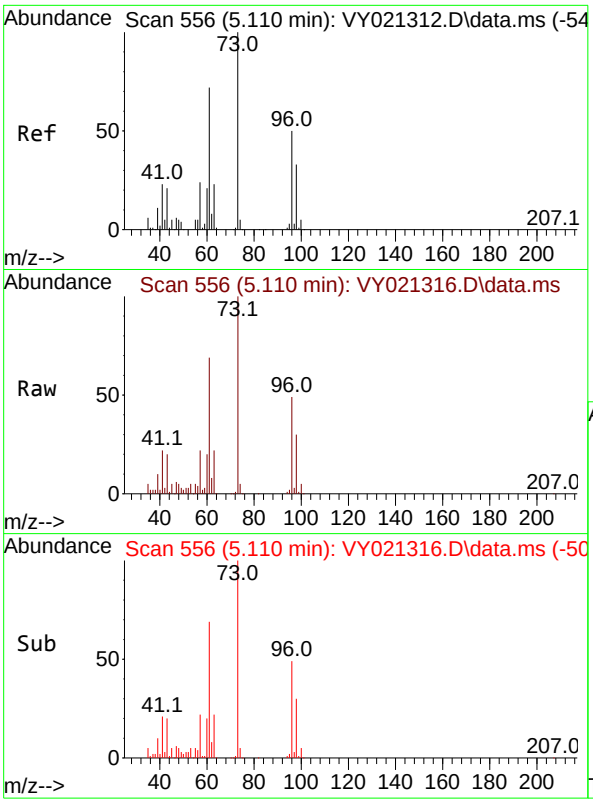


#20
Methylene Chloride
Concen: 89.894 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 84 Resp: 201698

Ion	Ratio	Lower	Upper
84	100		
49	130.7	105.1	157.7
51	39.3	31.0	46.4
86	63.4	48.2	72.4



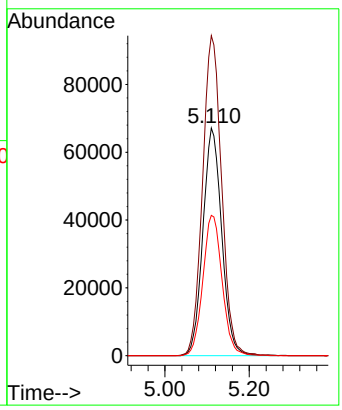


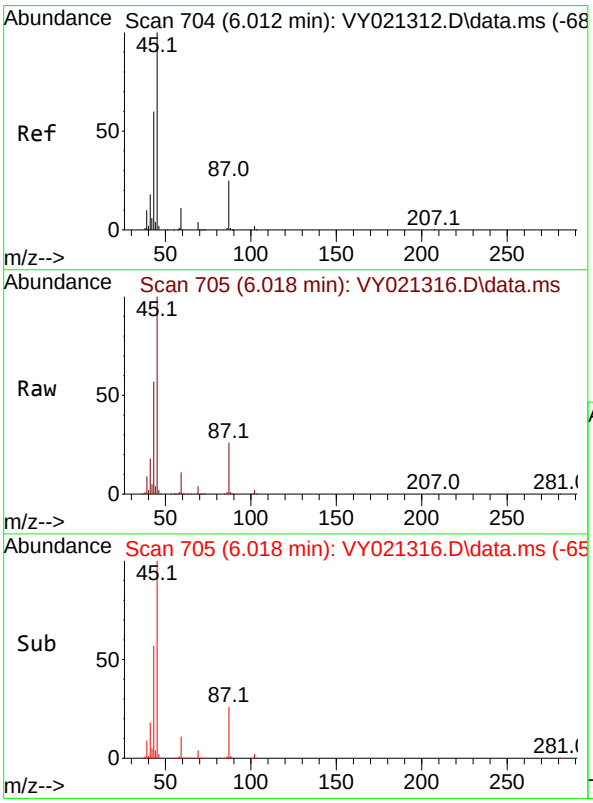
#21
trans-1,2-Dichloroethene
Concen: 98.718 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 208498

Ion	Ratio	Lower	Upper
96	100		
61	140.5	116.3	174.5
98	61.7	52.6	78.8

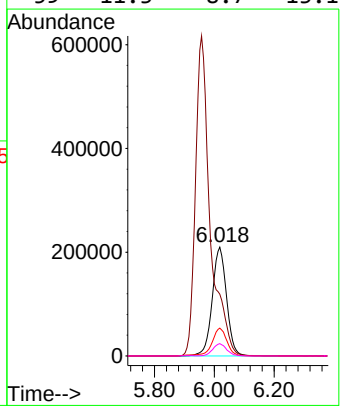


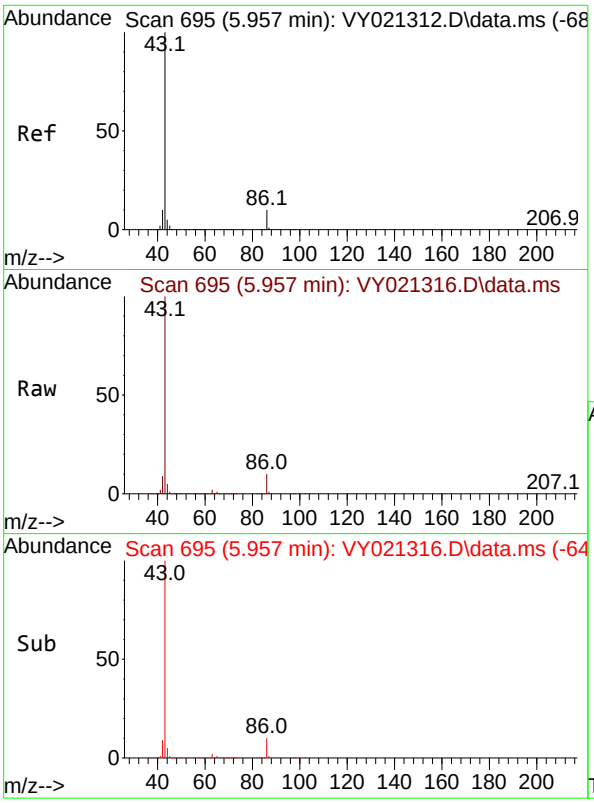


#22
Diisopropyl ether
Concen: 99.061 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 45 Resp: 697290

Ion	Ratio	Lower	Upper
45	100		
43	56.7	48.2	72.4
87	25.6	20.3	30.5
59	11.3	8.7	13.1



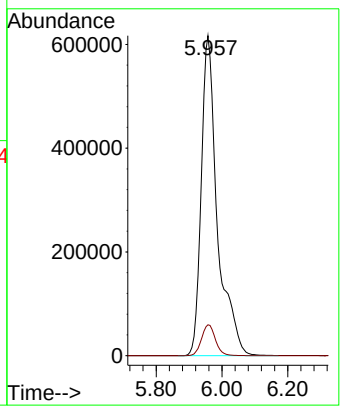


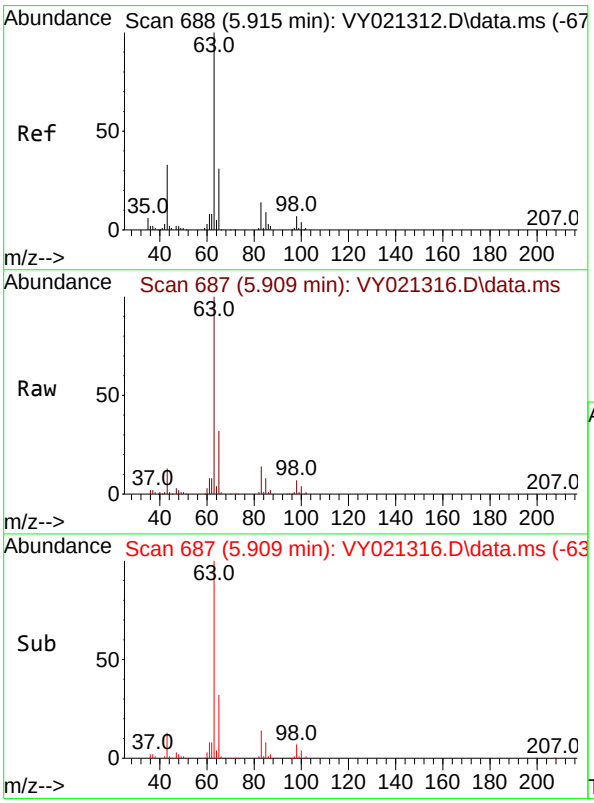
#23
Vinyl Acetate
Concen: 500.017 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2103219

Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.0	12.0

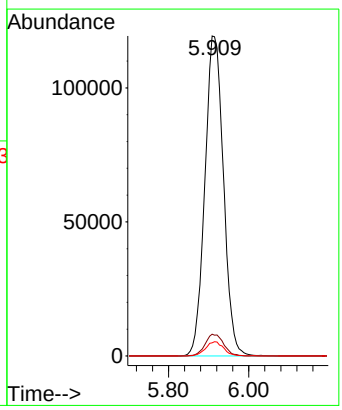


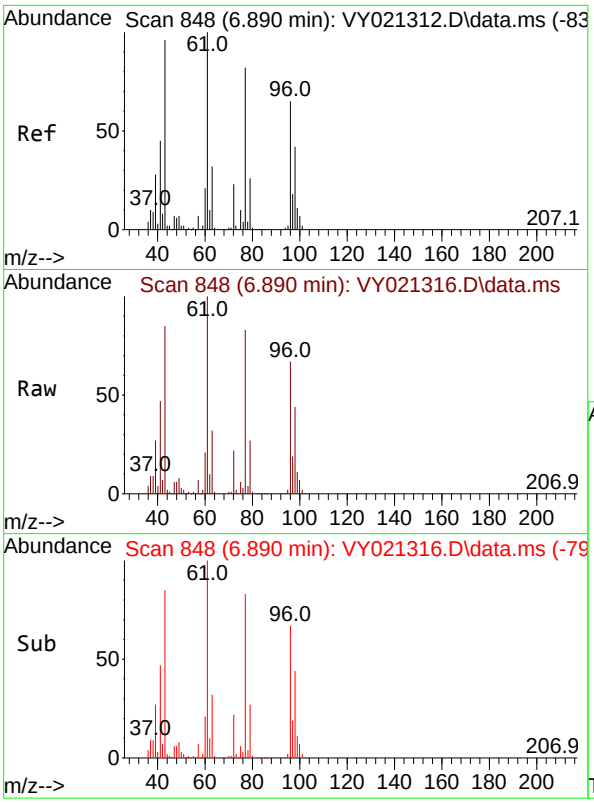


#24
1,1-Dichloroethane
Concen: 96.798 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 384030

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.7	11.1
100	4.1	2.1	6.5



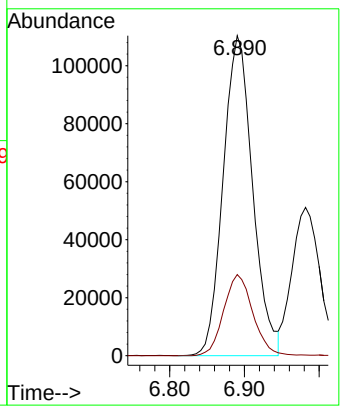


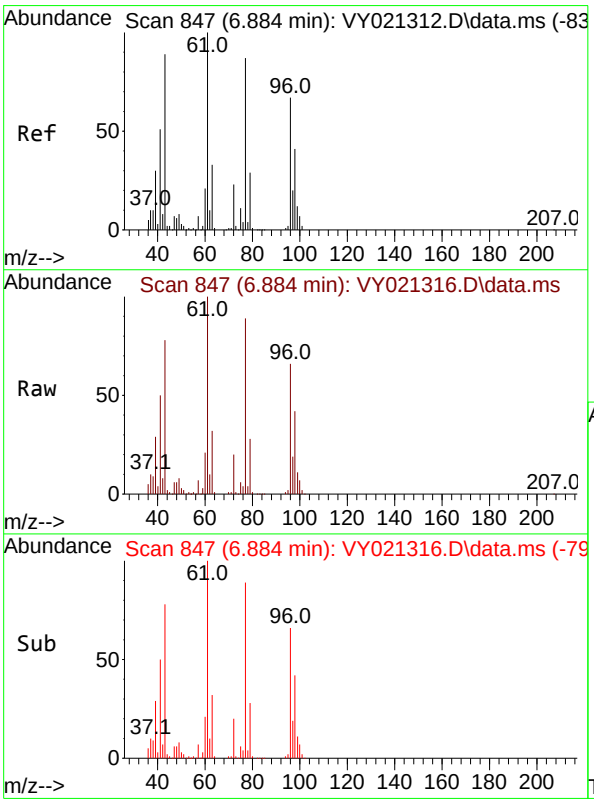
#25
2-Butanone
Concen: 483.977 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 303077

Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.0	28.6

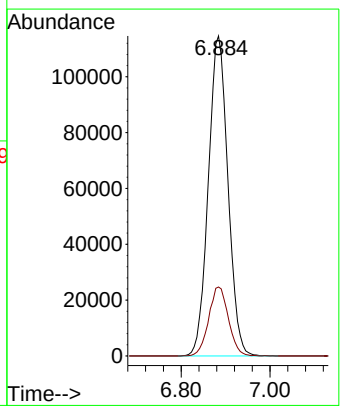


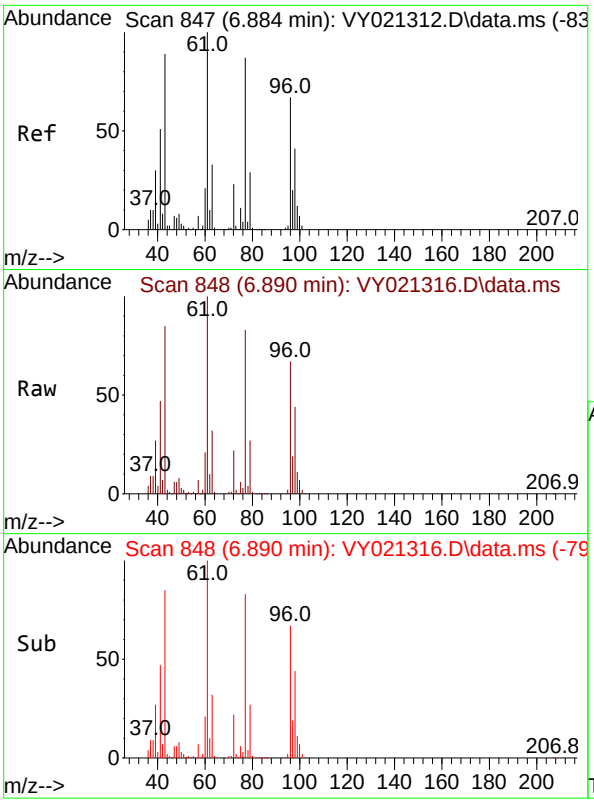


#26
2,2-Dichloropropane
Concen: 97.467 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 77 Resp: 350870

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7



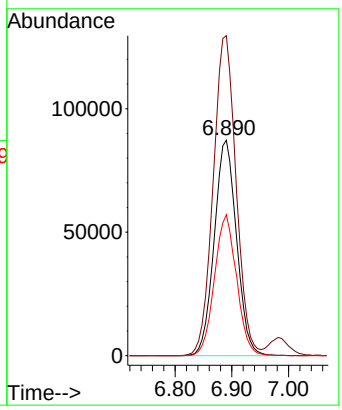


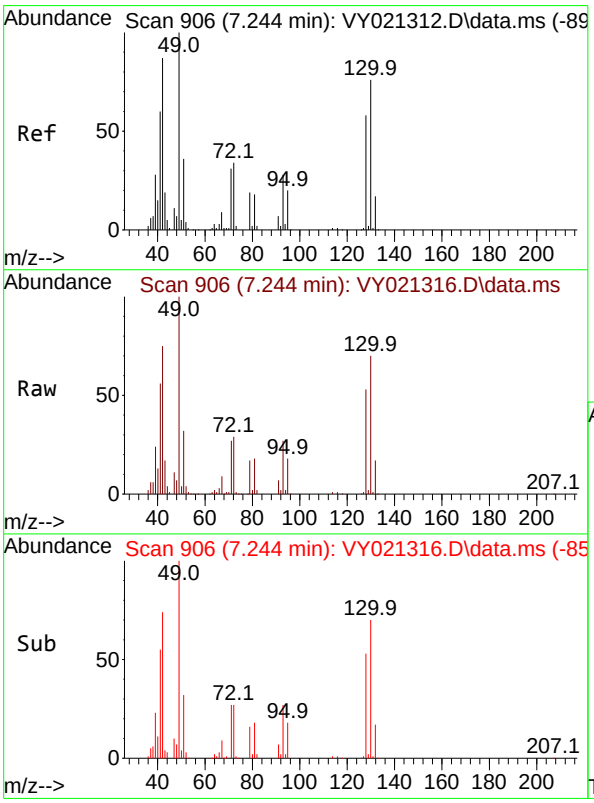
#27
cis-1,2-Dichloroethene
Concen: 99.061 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 238916

Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	308.0
98	64.8	0.0	129.6

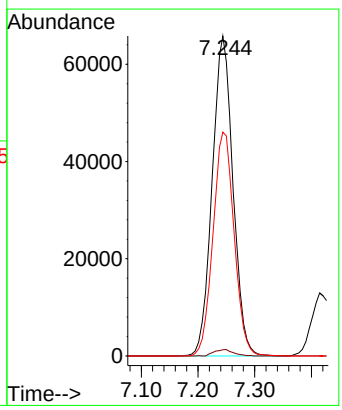


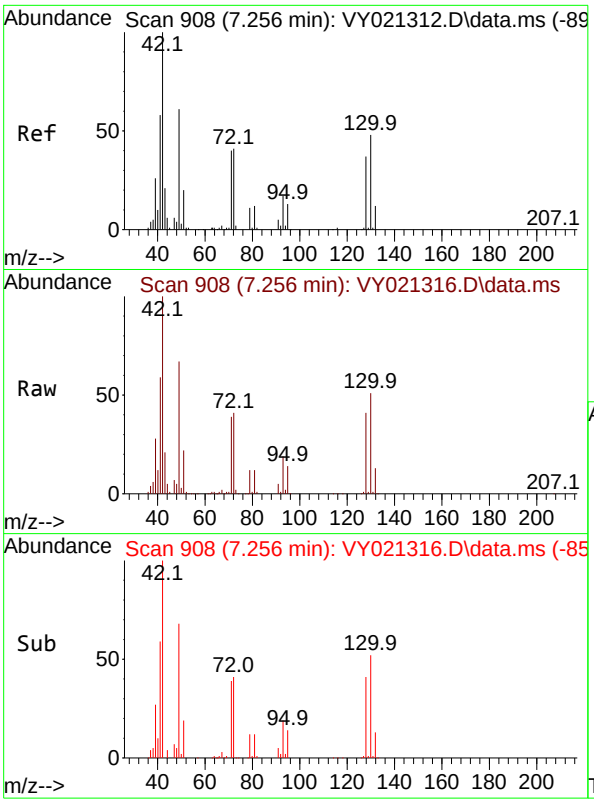


#28
Bromochloromethane
Concen: 95.287 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 49 Resp: 167271

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	71.2	57.8	86.6



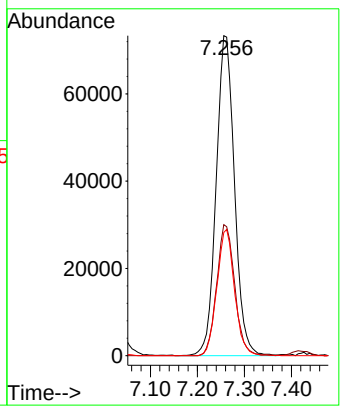


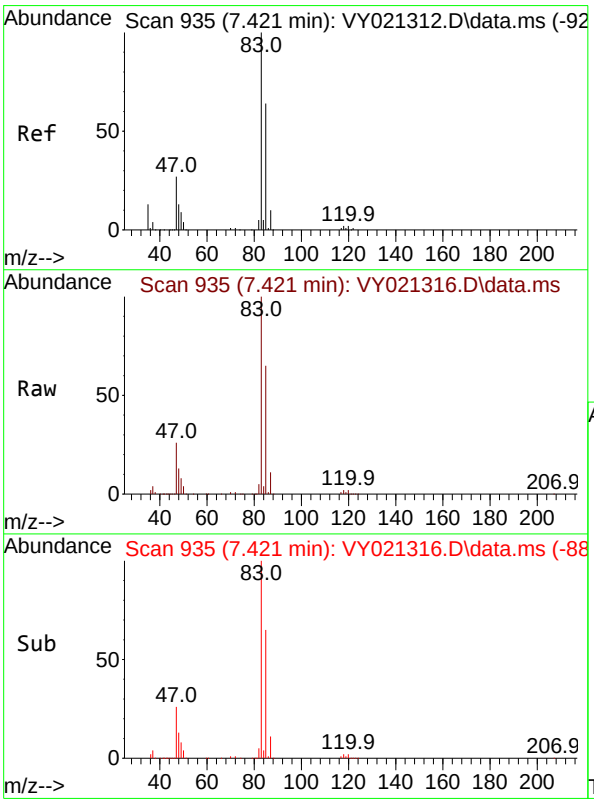
#29
Tetrahydrofuran
Concen: 486.299 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 199056

Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.1	49.7
71	37.9	31.4	47.0

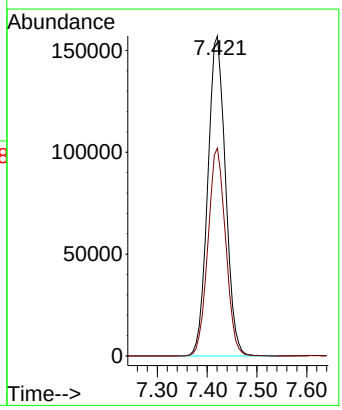


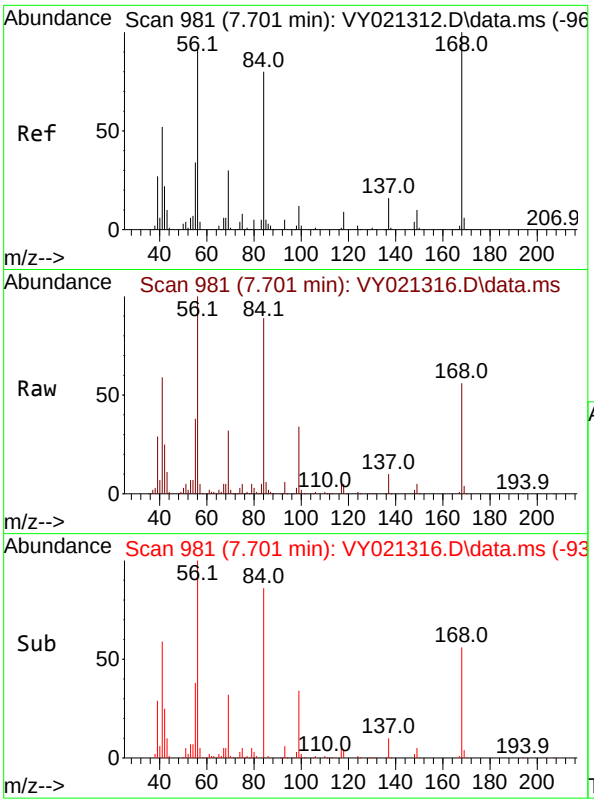


#30
Chloroform
Concen: 96.458 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 83 Resp: 387767

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4



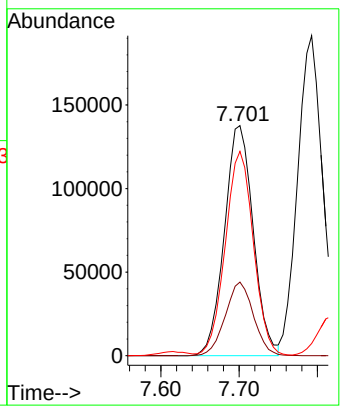


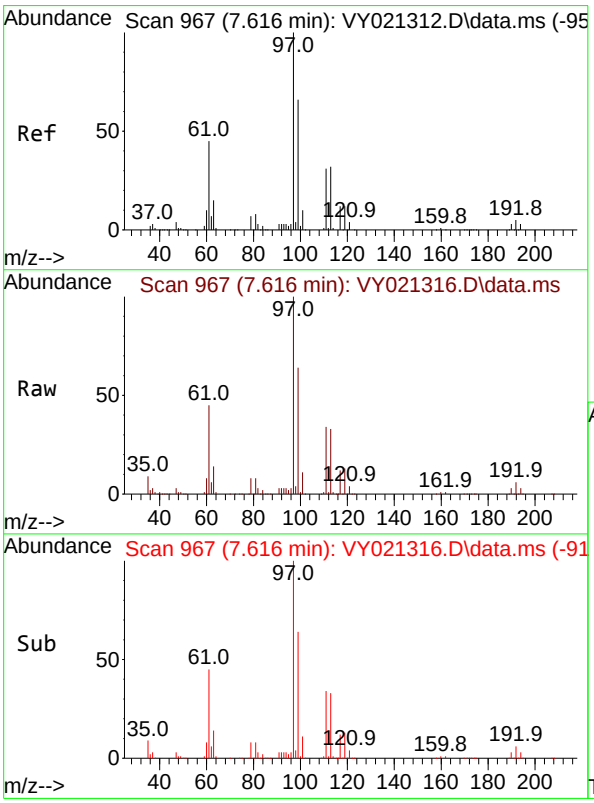
#31
Cyclohexane
Concen: 92.269 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 351876

Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.2	39.4
84	87.4	70.2	105.4

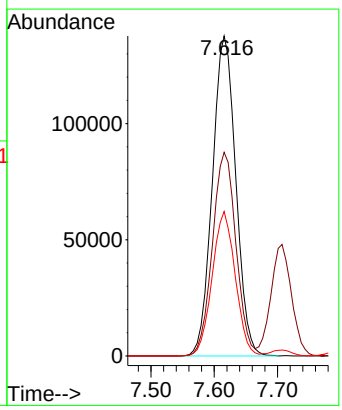


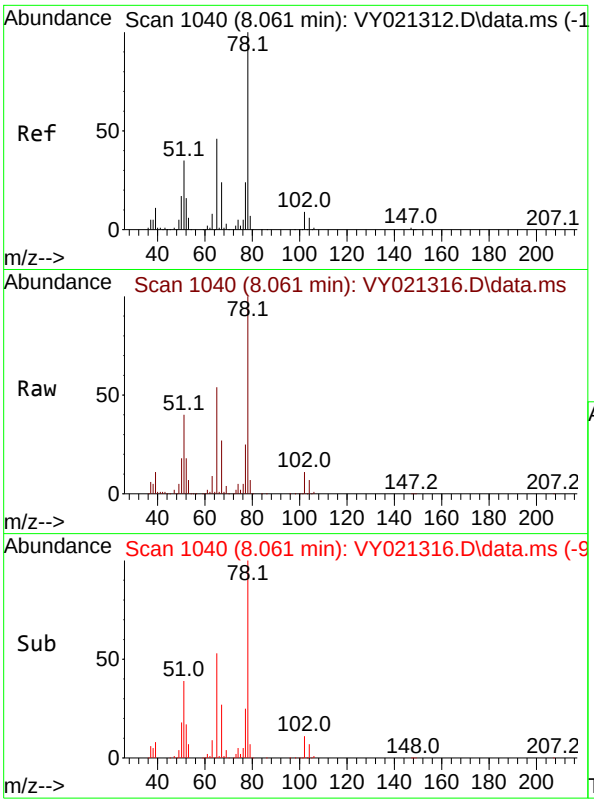


#32
1,1,1-Trichloroethane
Concen: 96.663 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 97 Resp: 353701

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	44.5	36.2	54.2



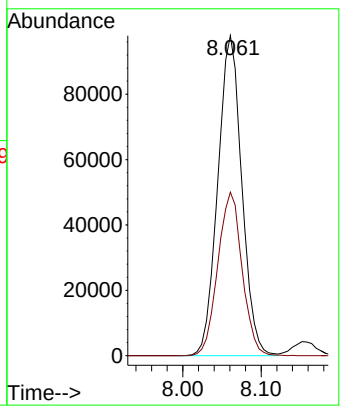


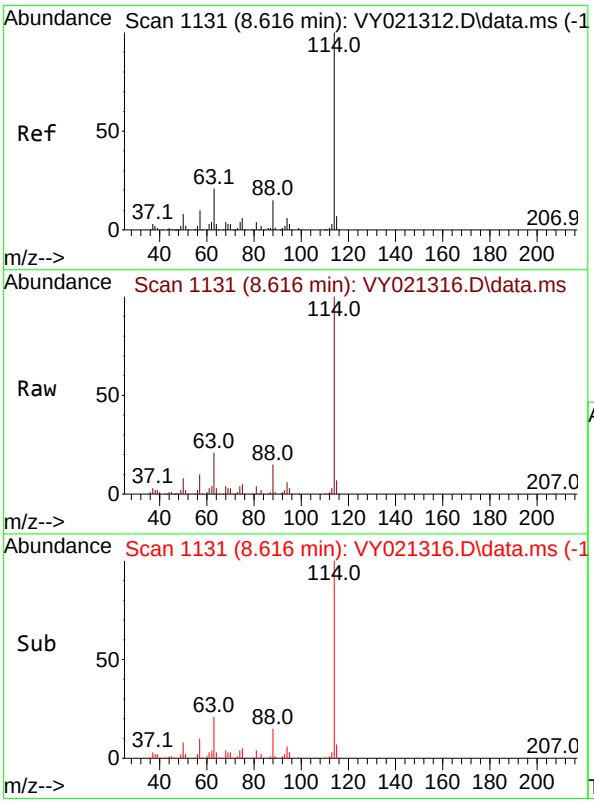
#33
1,2-Dichloroethane-d4
Concen: 96.407 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 208535

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6

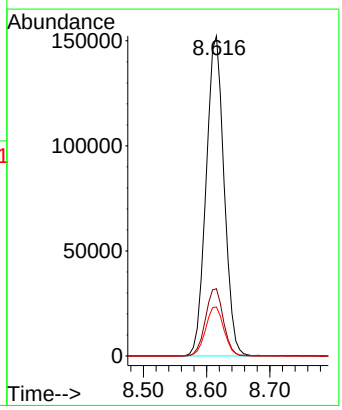


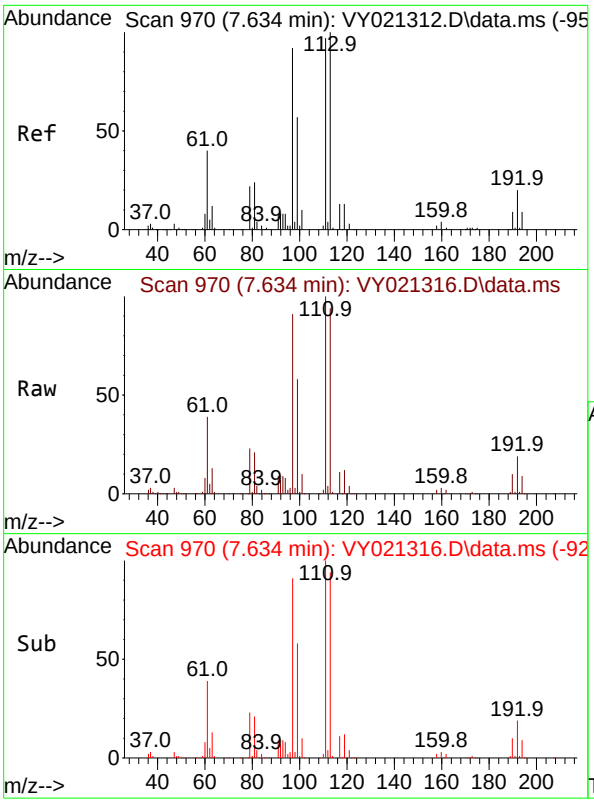


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:114 Resp: 300486

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.2
88	15.3	0.0	29.8



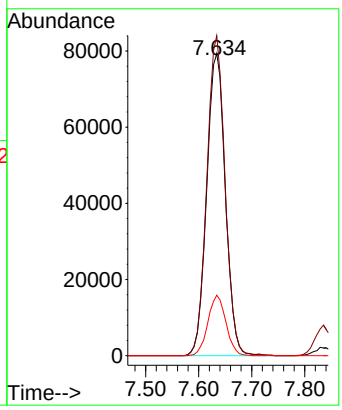


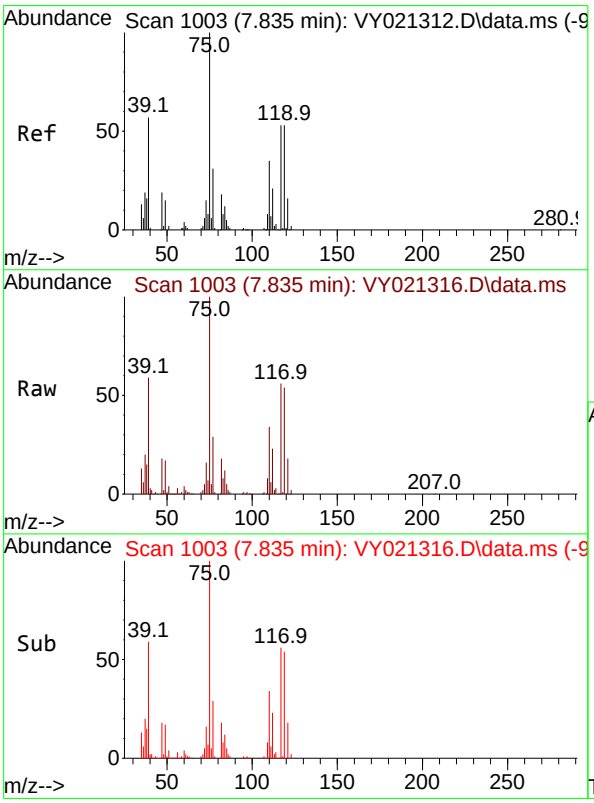
#35
Dibromofluoromethane
Concen: 98.377 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 193803

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.6
192	19.4	15.8	23.8

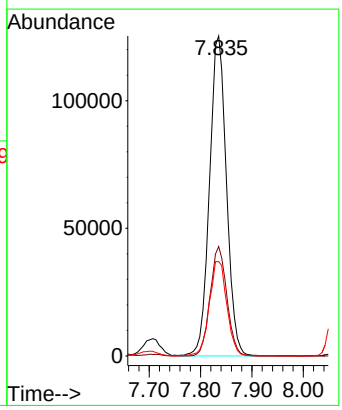


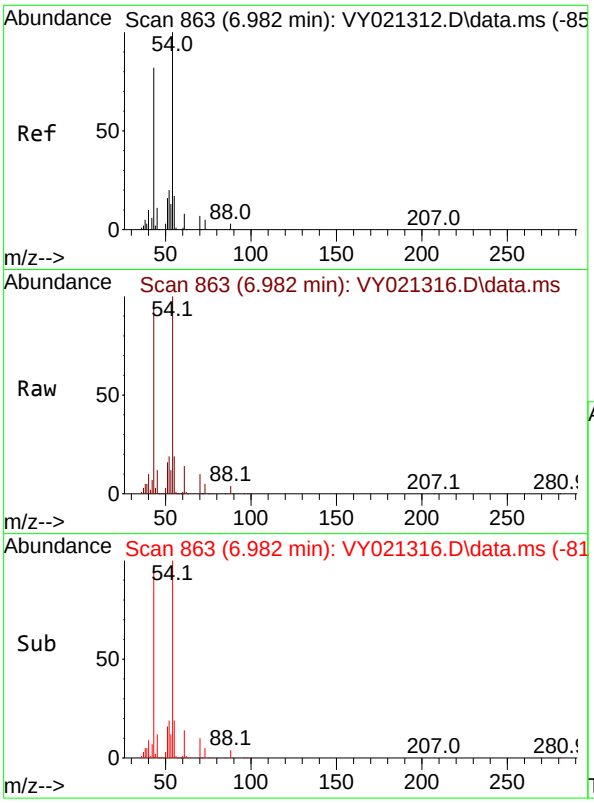


#36
1,1-Dichloropropene
Concen: 97.146 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 287472

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.7
77	30.5	24.6	36.8



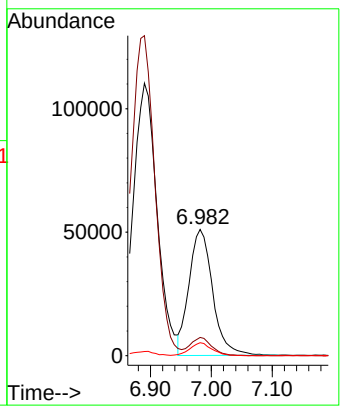


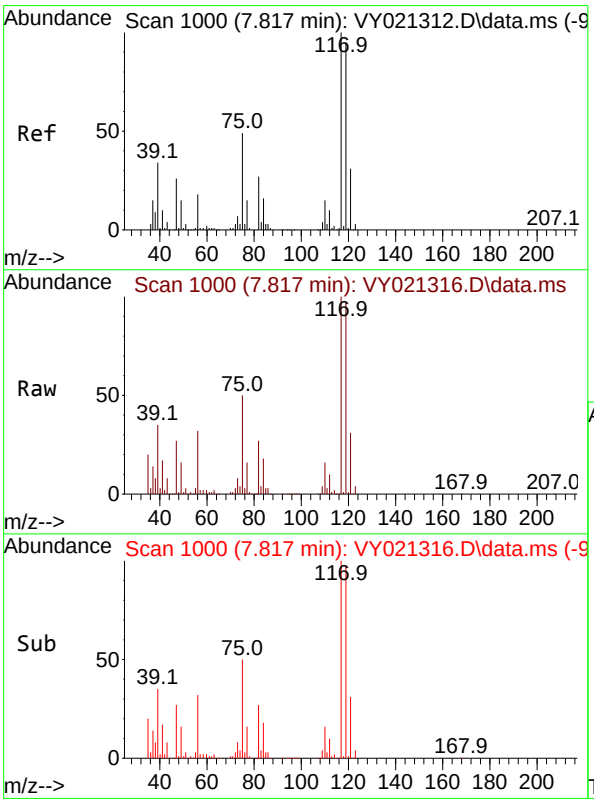
#37
Ethyl Acetate
Concen: 93.230 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 137233

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.5	7.5	11.3

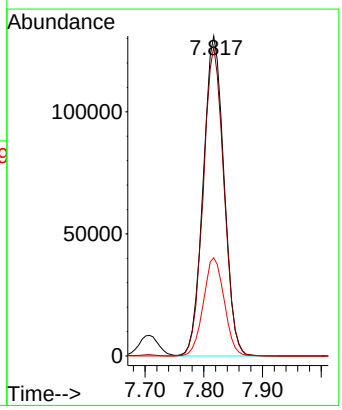


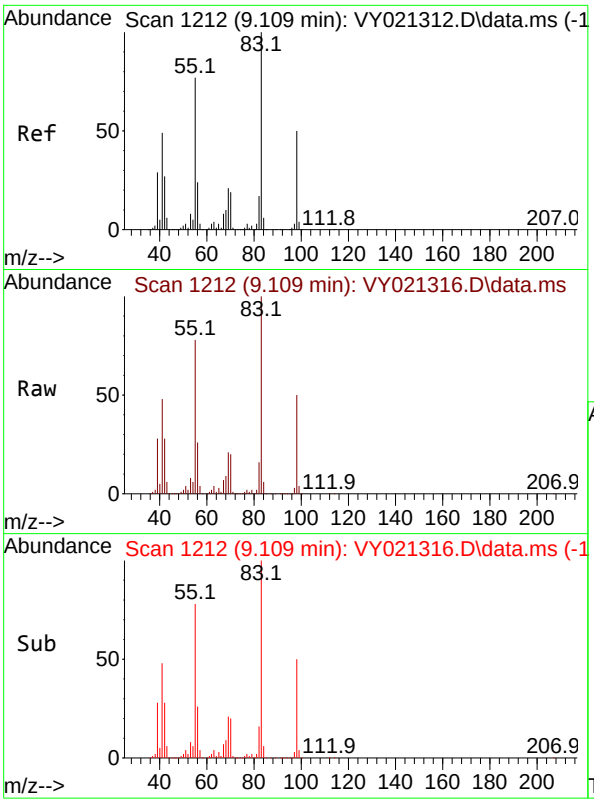


#38
Carbon Tetrachloride
Concen: 96.663 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 321576

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.0	114.0
121	30.7	24.9	37.3



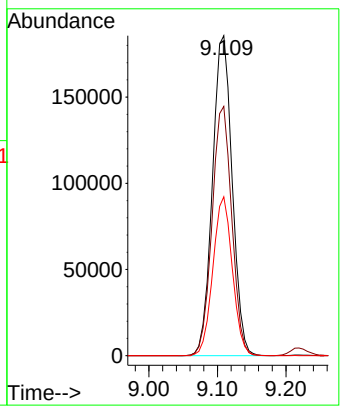


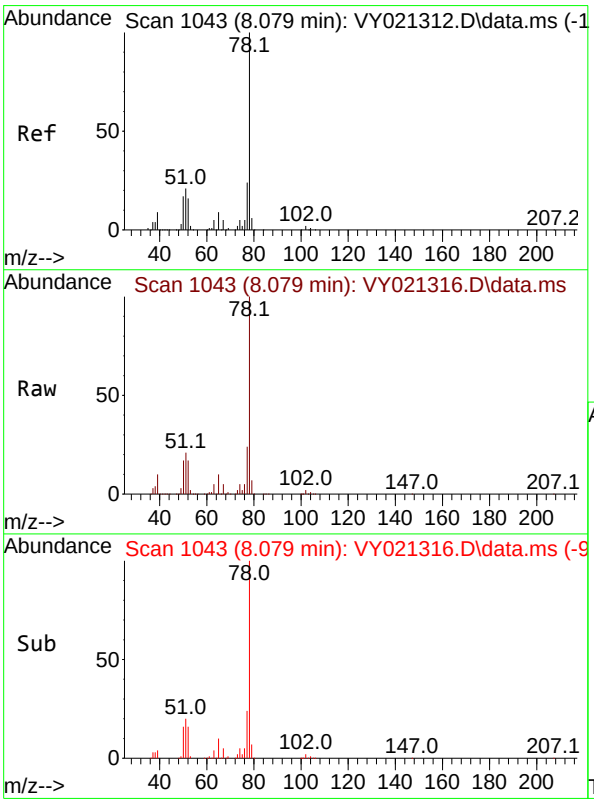
#39
Methylcyclohexane
Concen: 99.169 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 371172

Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.3	91.9
98	49.6	39.9	59.9

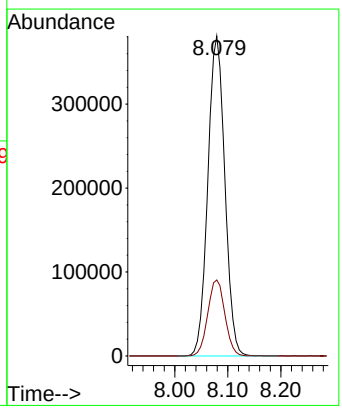


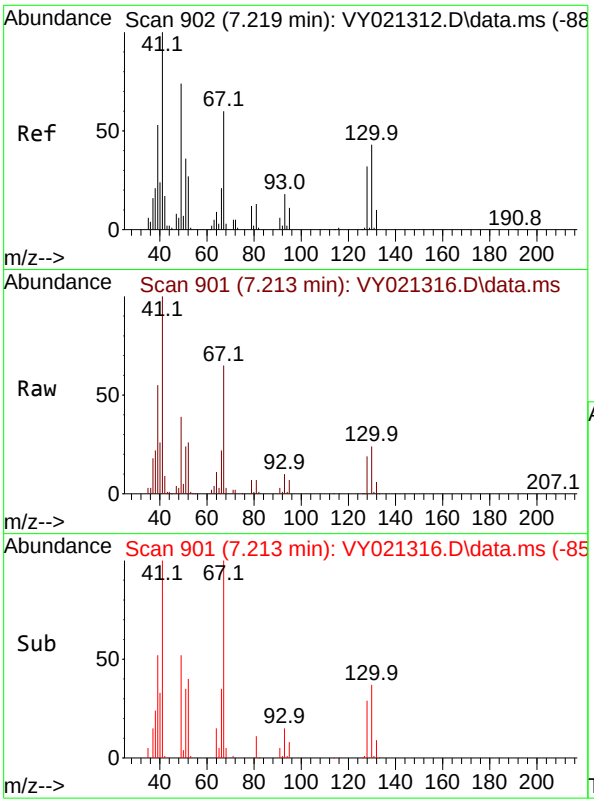


#40
Benzene
Concen: 96.835 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 78 Resp: 847066

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8



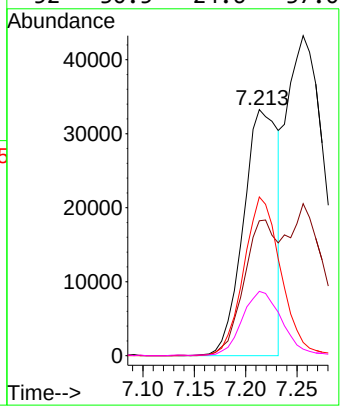


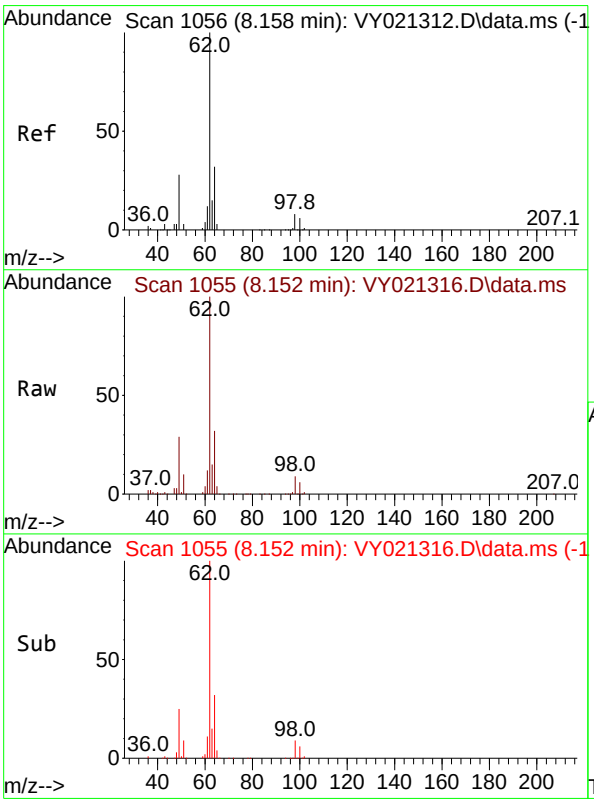
#41
Methacrylonitrile
Concen: 94.219 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 77542

Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.3	63.5
67	69.9	54.8	82.2
52	30.5	24.6	37.0

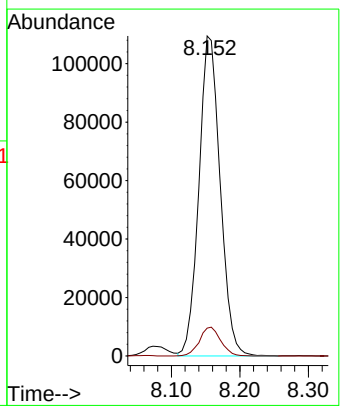


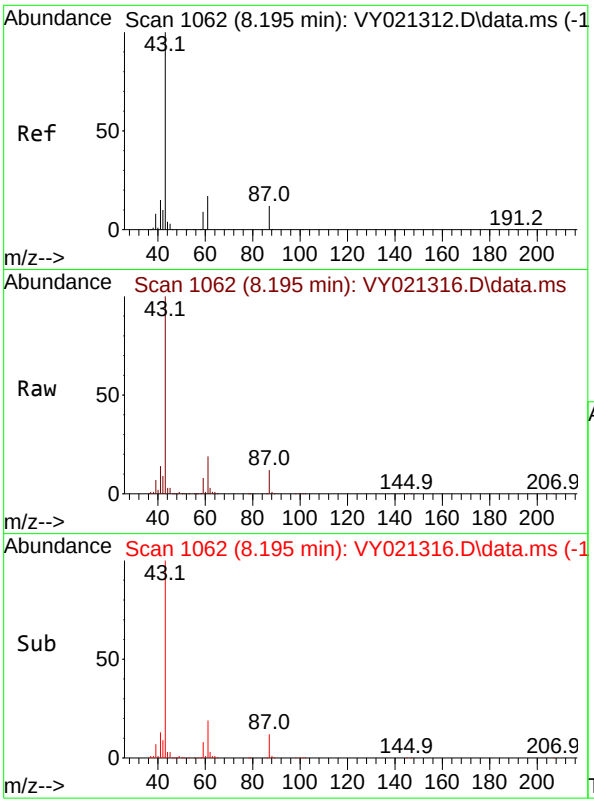


#42
1,2-Dichloroethane
Concen: 95.375 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 62 Resp: 236704

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6



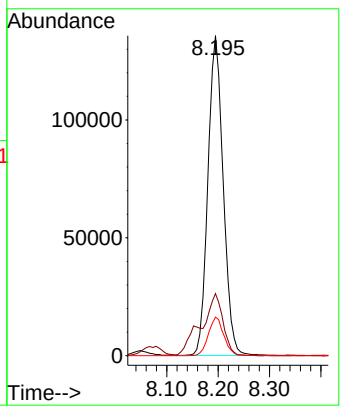


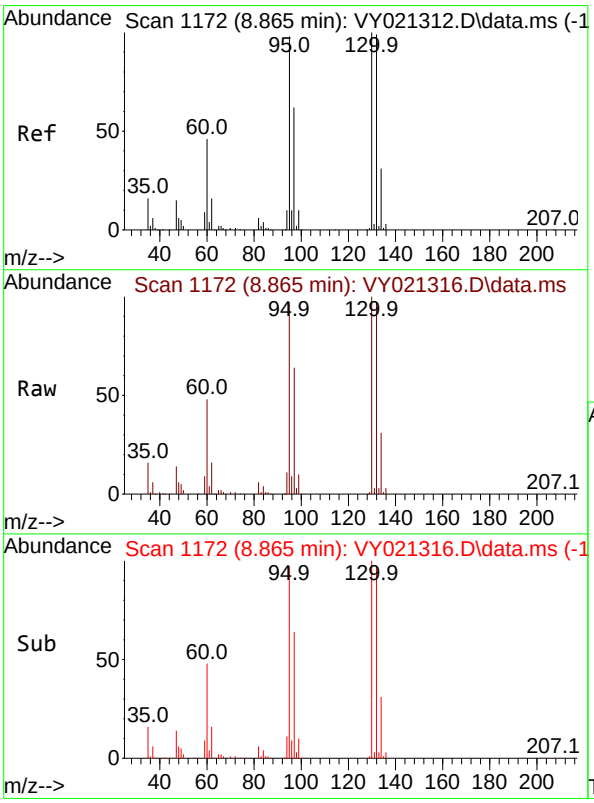
#43
Isopropyl Acetate
Concen: 98.388 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 280321

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.0	22.6
87	12.2	10.0	15.0

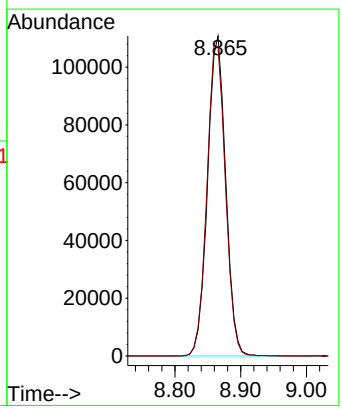


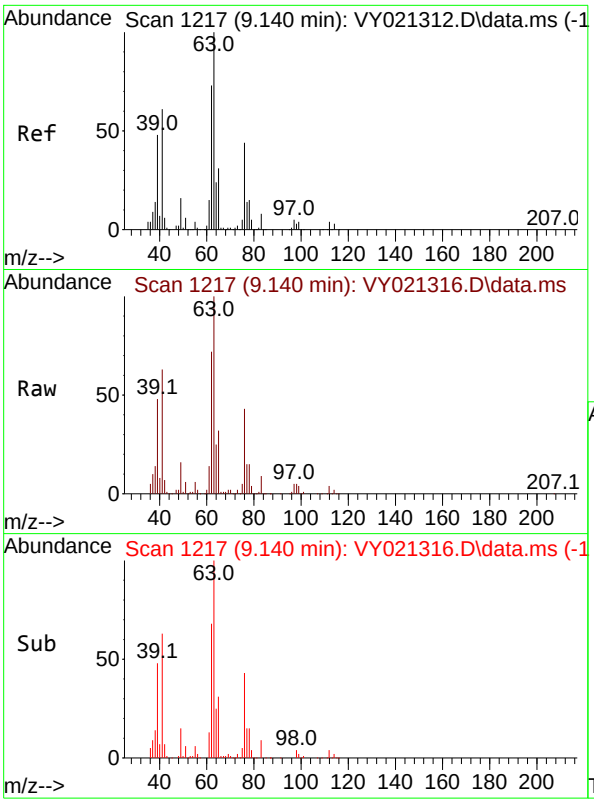


#44
Trichloroethene
Concen: 97.057 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:130 Resp: 212562

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	196.0



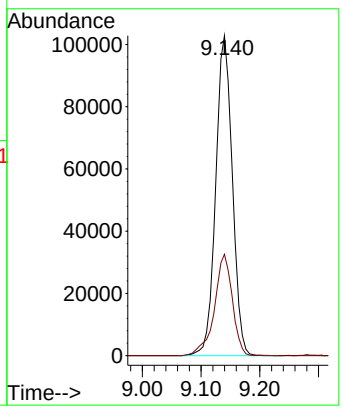


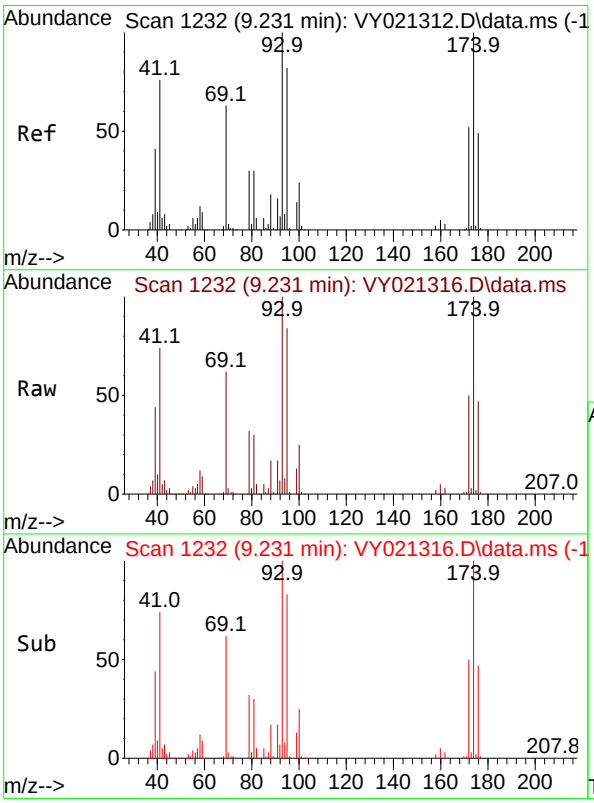
#45
1,2-Dichloropropane
Concen: 95.814 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 201701

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.6	36.8

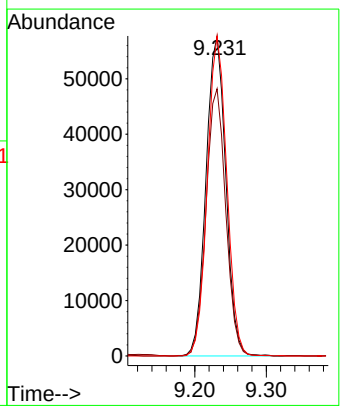


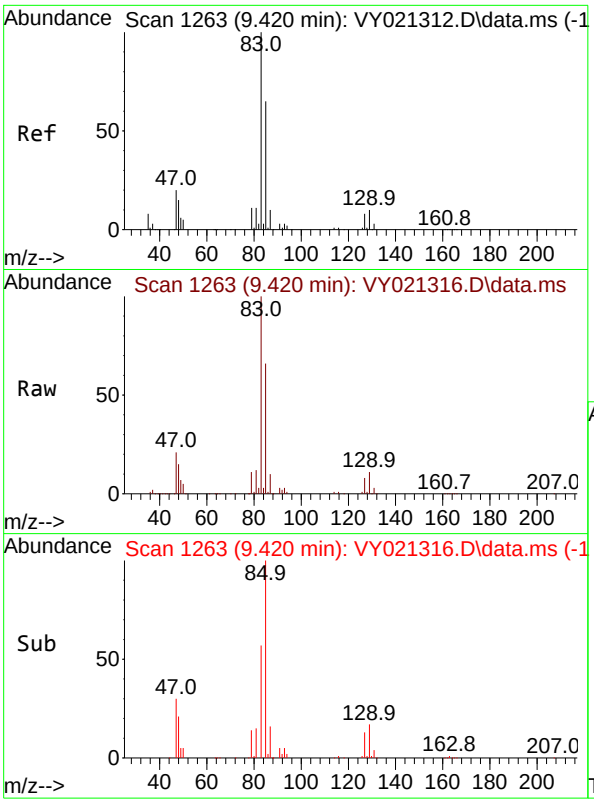


#46
Dibromomethane
Concen: 96.301 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 93 Resp: 110814

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.4	99.6
174	98.3	78.2	117.2



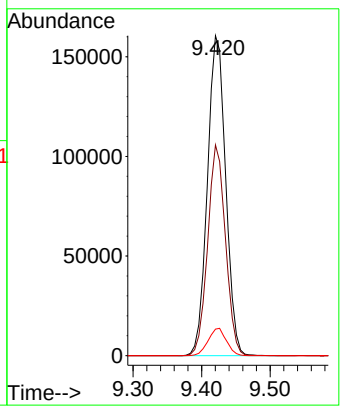


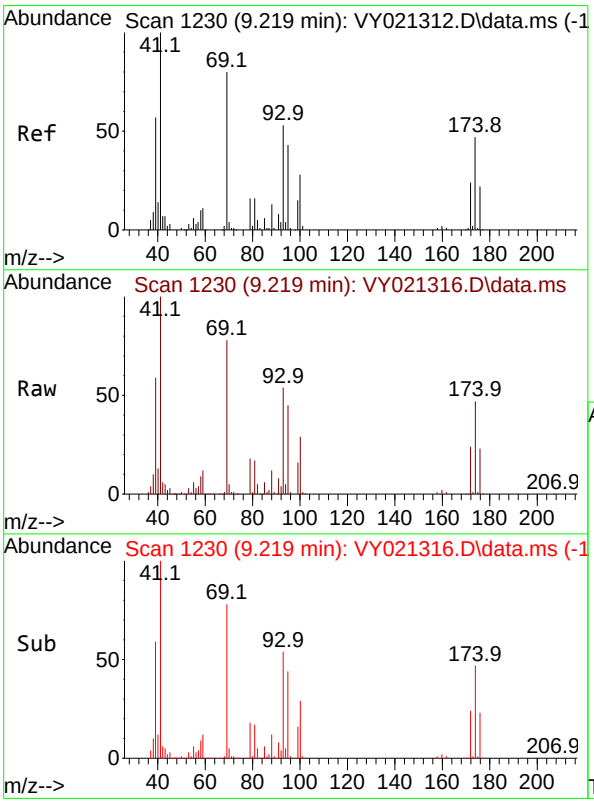
#47
Bromodichloromethane
Concen: 96.904 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 297320

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8
127	8.3	6.7	10.1

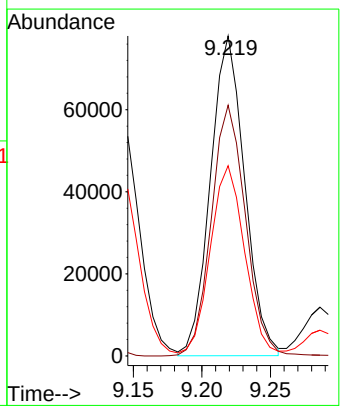


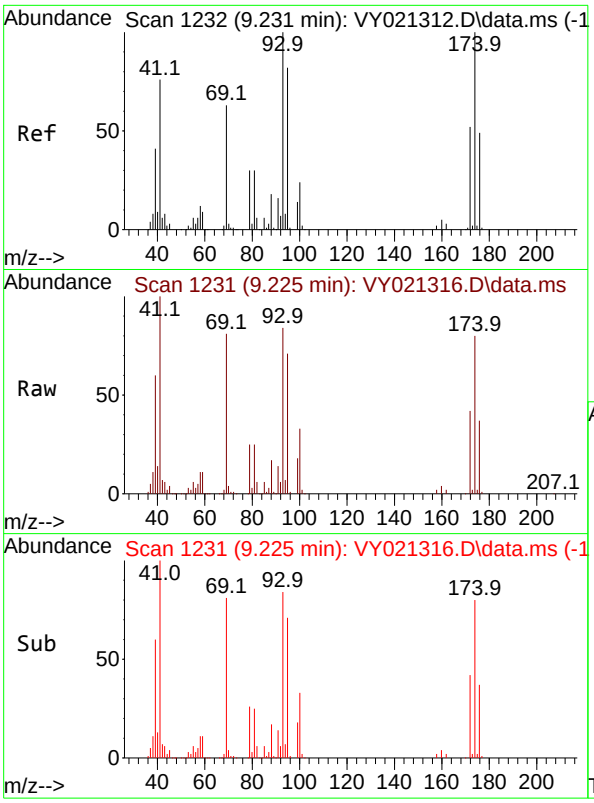


#48
Methyl methacrylate
Concen: 101.635 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 41 Resp: 135412

Ion	Ratio	Lower	Upper
41	100		
69	78.9	63.3	94.9
39	58.0	45.0	67.6



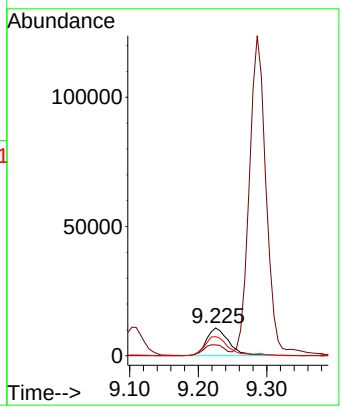


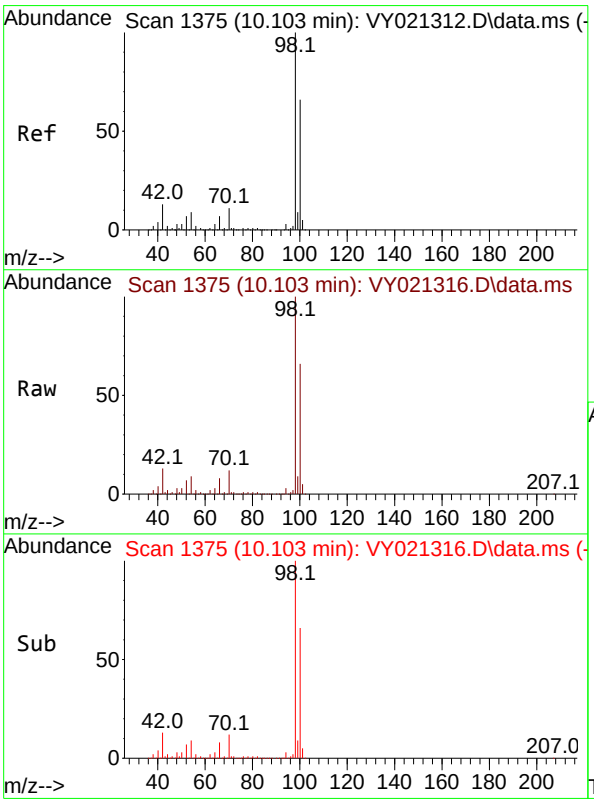
#49
1,4-Dioxane
Concen: 1903.504 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 24355

Ion	Ratio	Lower	Upper
88	100		
43	38.0	34.8	52.2
58	70.4	59.8	89.6

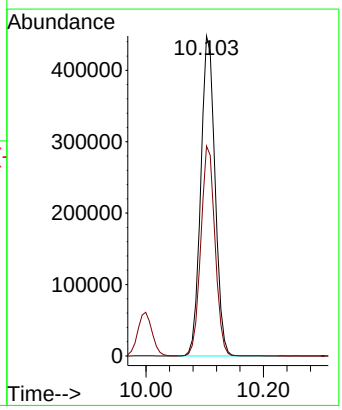


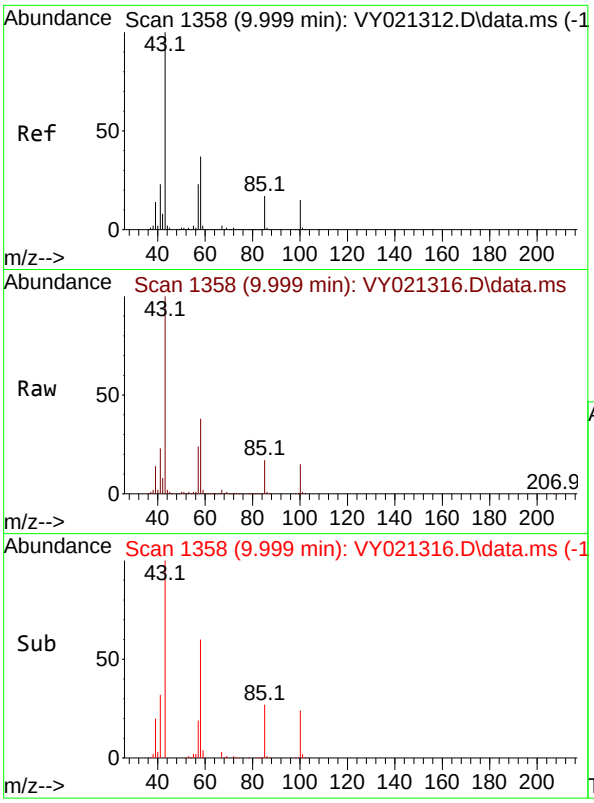


#50
Toluene-d8
Concen: 98.889 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 98 Resp: 752895

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6



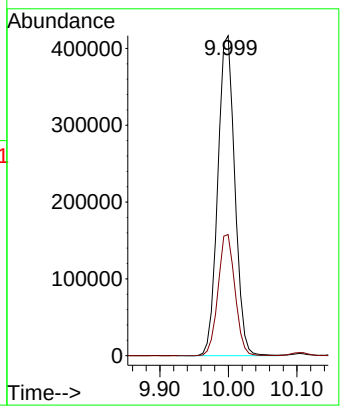


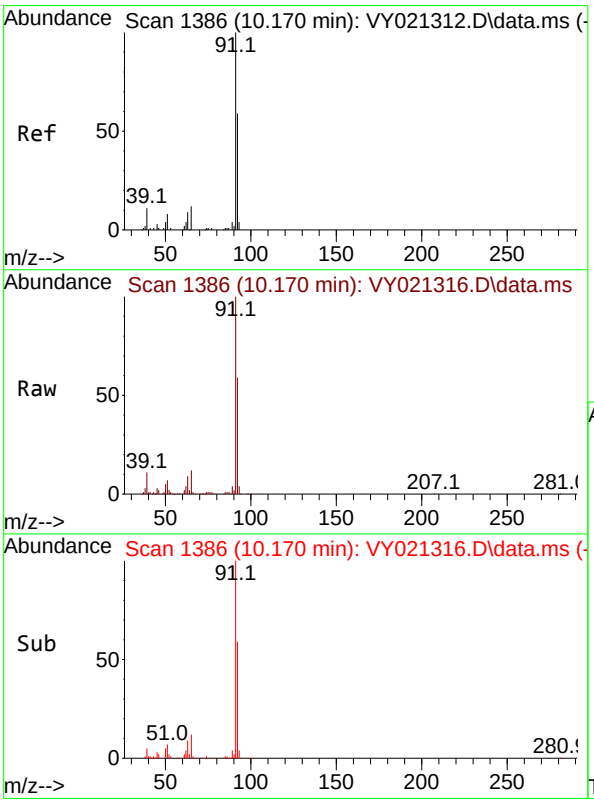
#51
4-Methyl-2-Pentanone
Concen: 490.938 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 716009

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.1	45.1

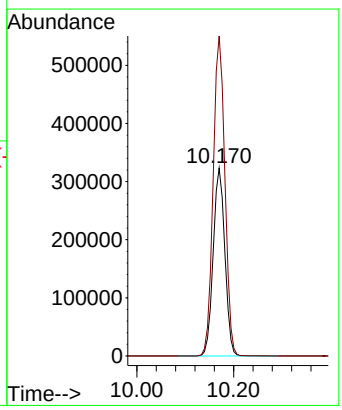


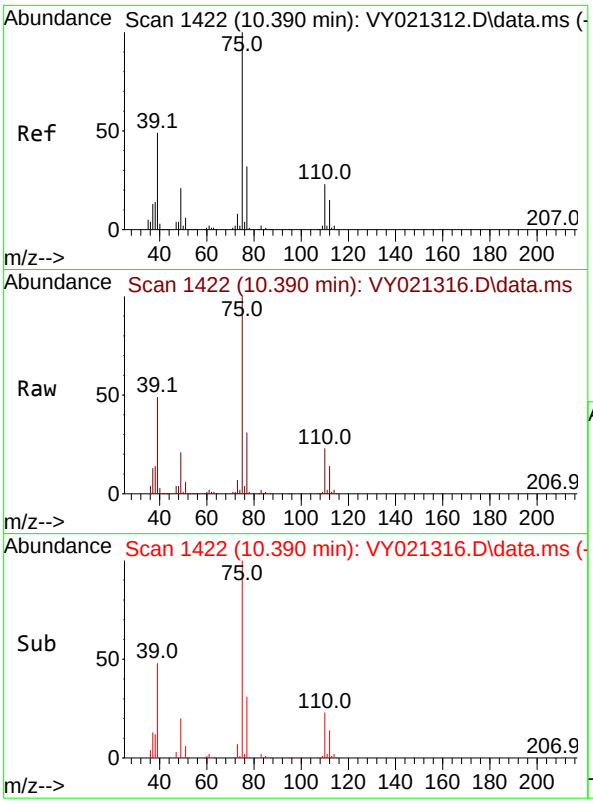


#52
Toluene
Concen: 99.189 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 92 Resp: 539016

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.8	206.8



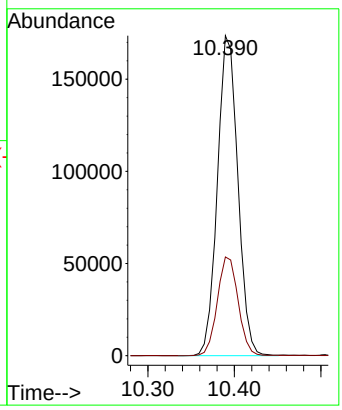


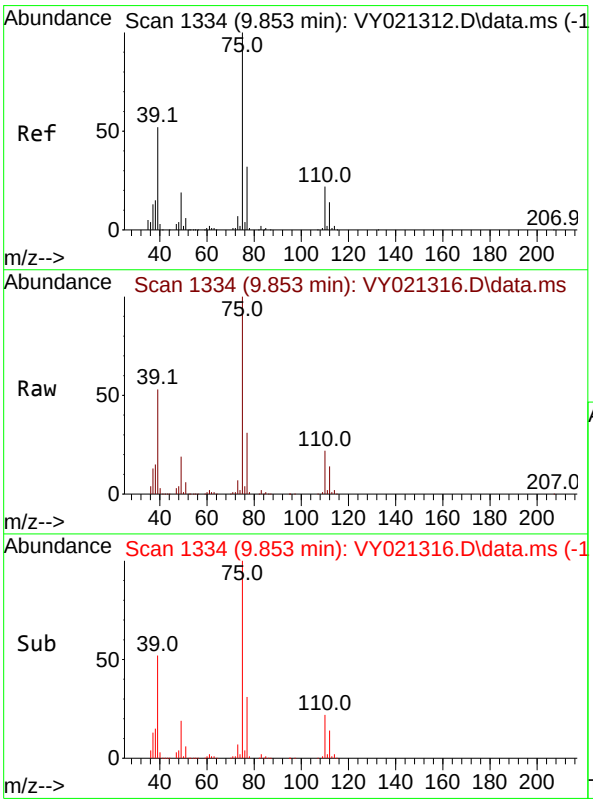
#53
t-1,3-Dichloropropene
Concen: 101.290 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 284731

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.3	37.9

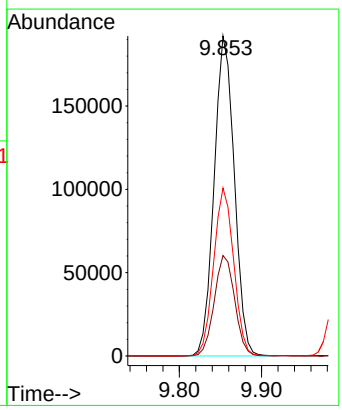


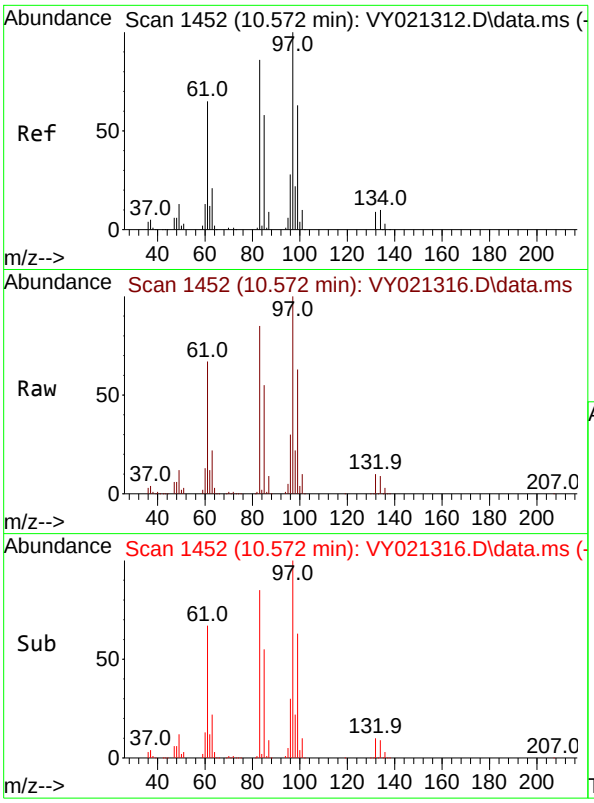


#54
cis-1,3-Dichloropropene
Concen: 98.870 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 328107

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	52.5	41.8	62.6



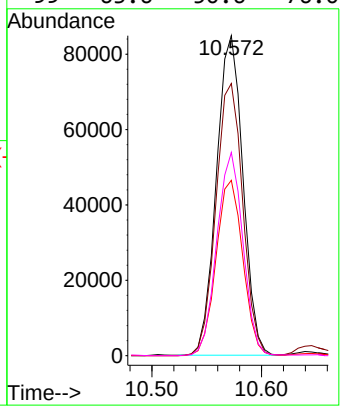


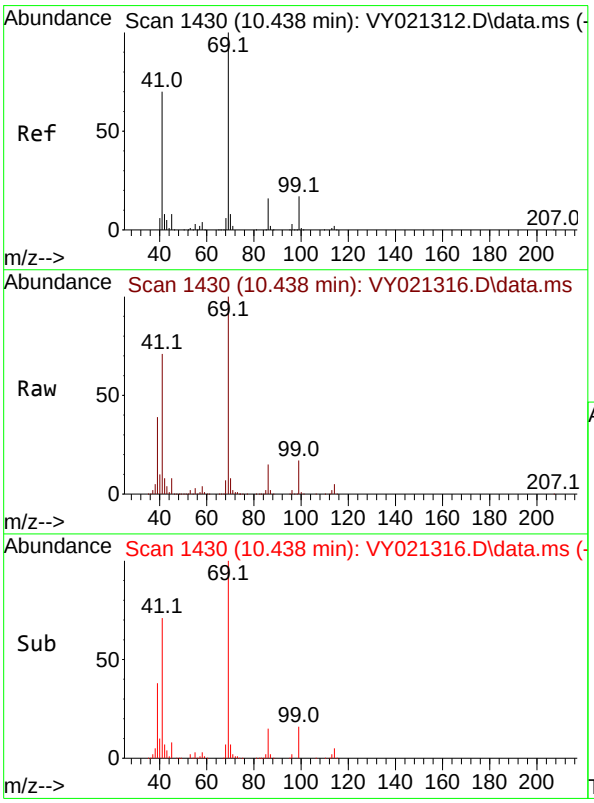
#55
1,1,2-Trichloroethane
Concen: 94.975 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 142372

Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.7	103.1
85	54.9	46.3	69.5
99	63.6	50.6	76.0

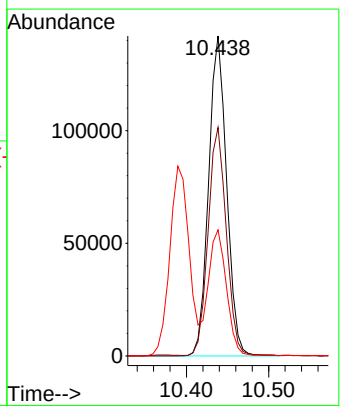


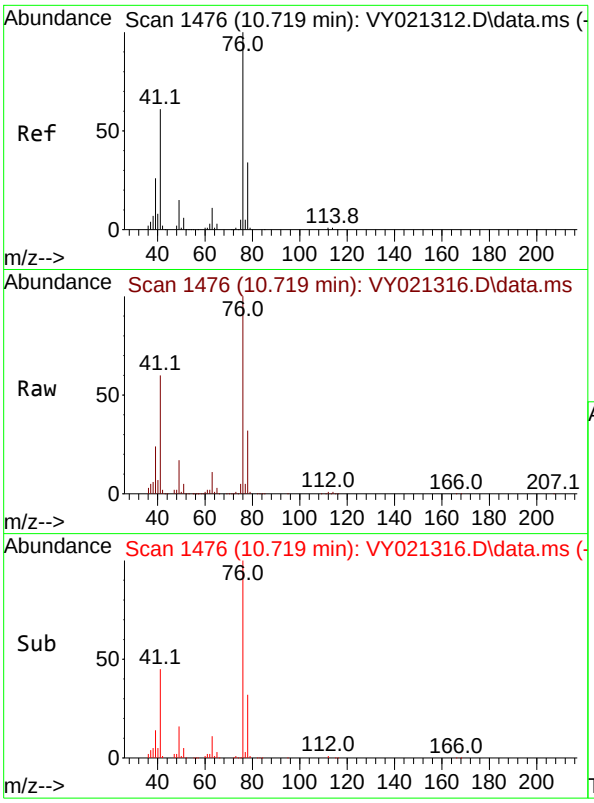


#56
Ethyl methacrylate
Concen: 104.564 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 69 Resp: 216586

Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.2	84.4
39	40.2	32.7	49.1



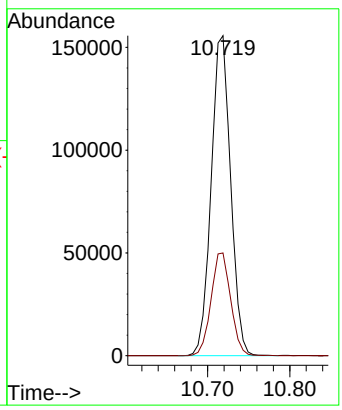


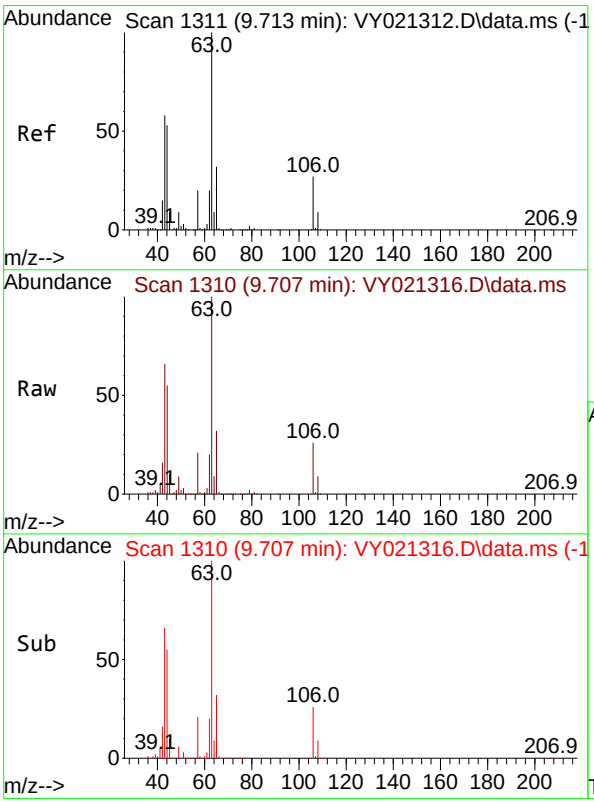
#57
1,3-Dichloropropane
Concen: 97.283 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 255903

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

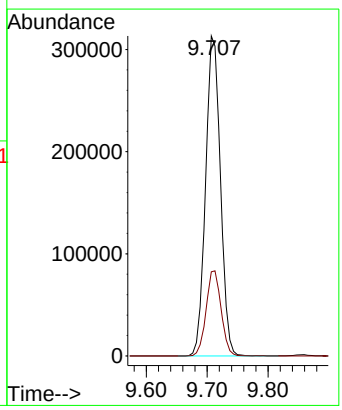


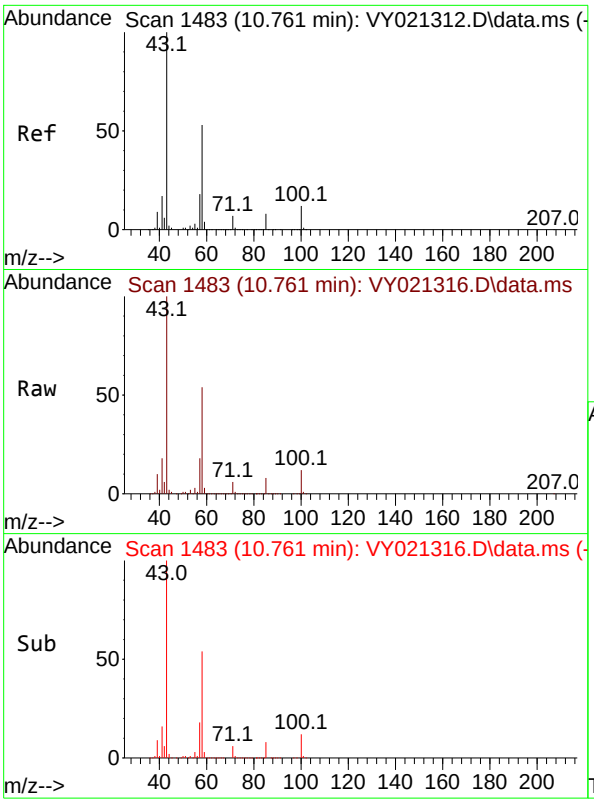


#58
2-Chloroethyl Vinyl ether
Concen: 533.791 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 63 Resp: 530695

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5



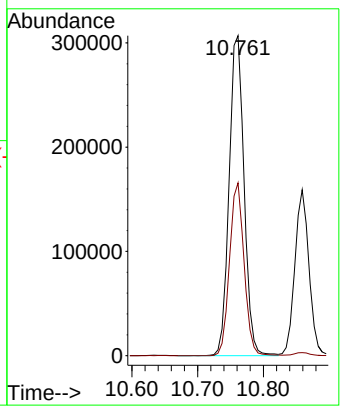


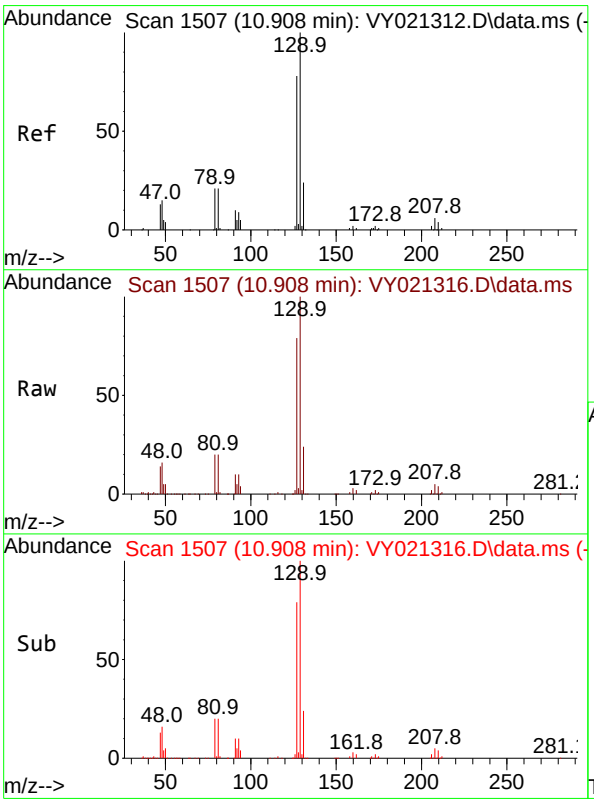
#59
2-Hexanone
Concen: 507.115 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 485734

Ion	Ratio	Lower	Upper
43	100		
58	52.5	25.9	77.6

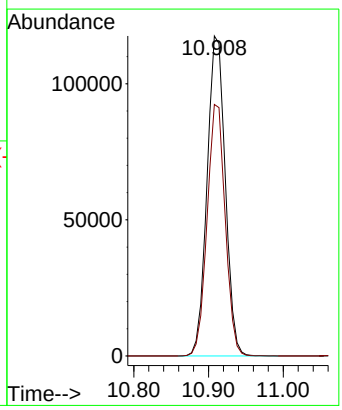


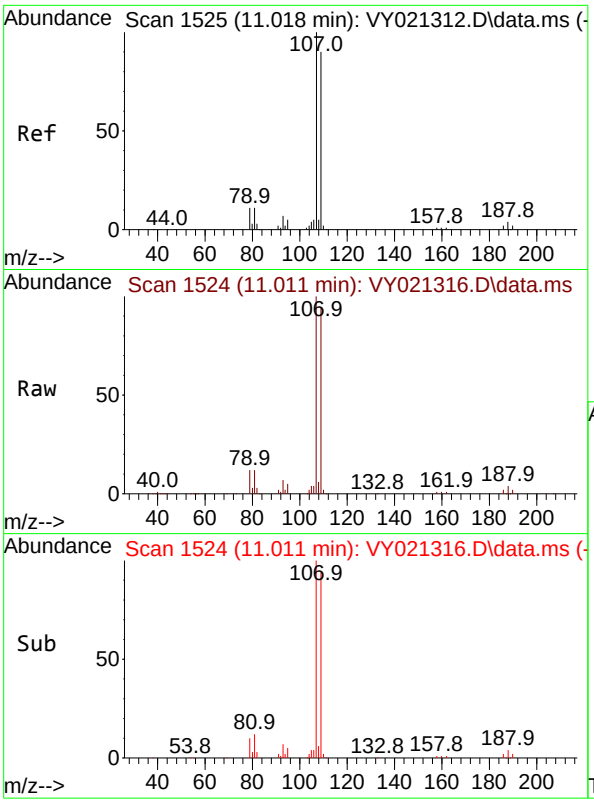


#60
Dibromochloromethane
Concen: 97.582 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:129 Resp: 199225

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.8	116.4



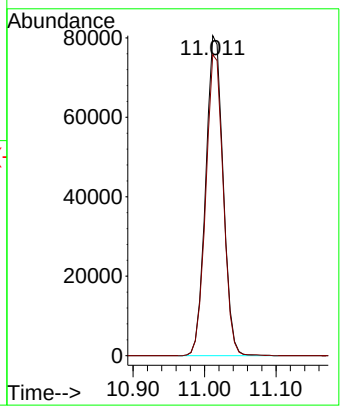


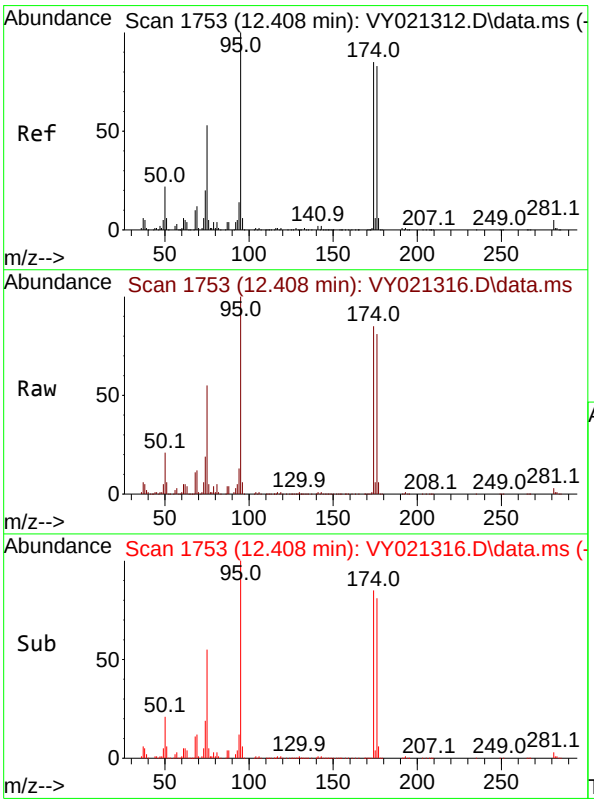
#61
1,2-Dibromoethane
Concen: 96.029 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 136284

Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.8	110.8

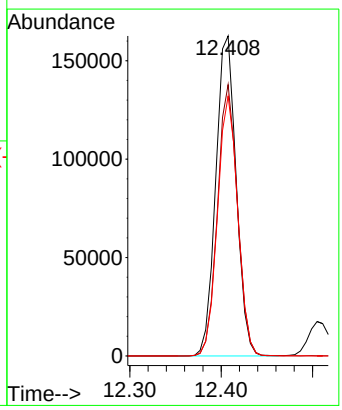


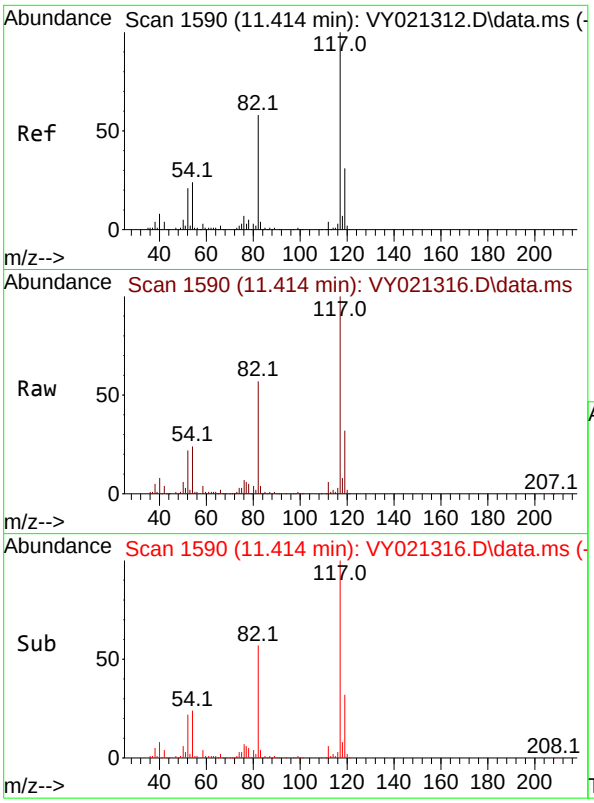


#62
4-Bromofluorobenzene
Concen: 98.477 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 95 Resp: 252327

Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	168.0
176	80.5	0.0	162.6



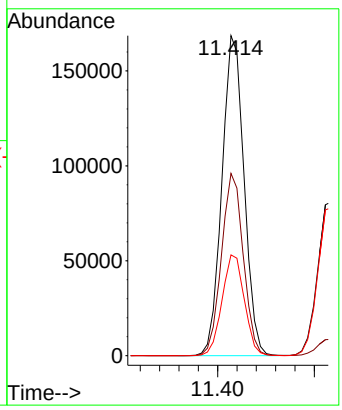


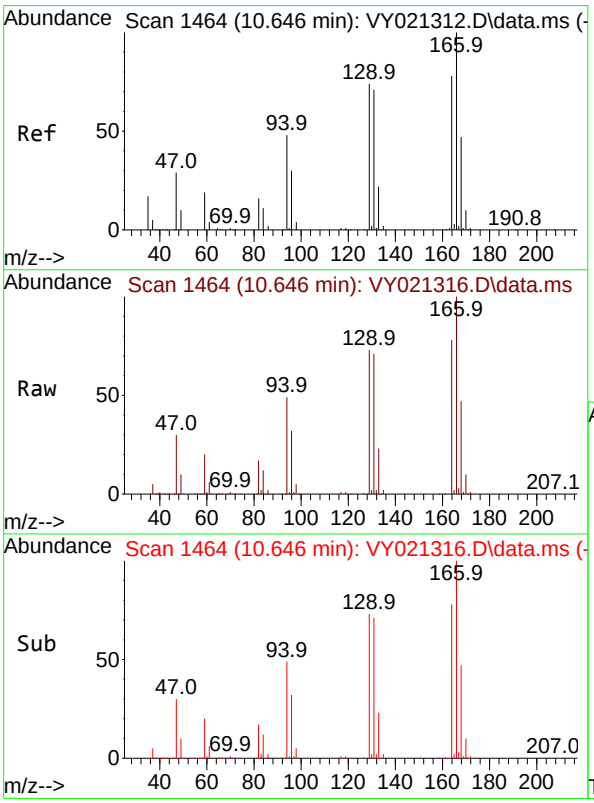
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 267150

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.2	69.4
119	31.5	24.9	37.3

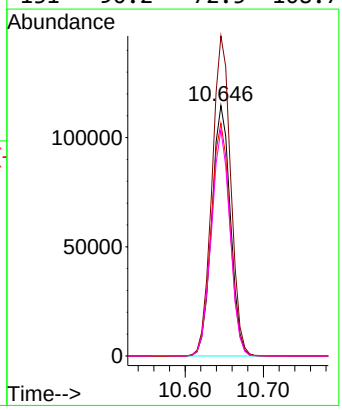


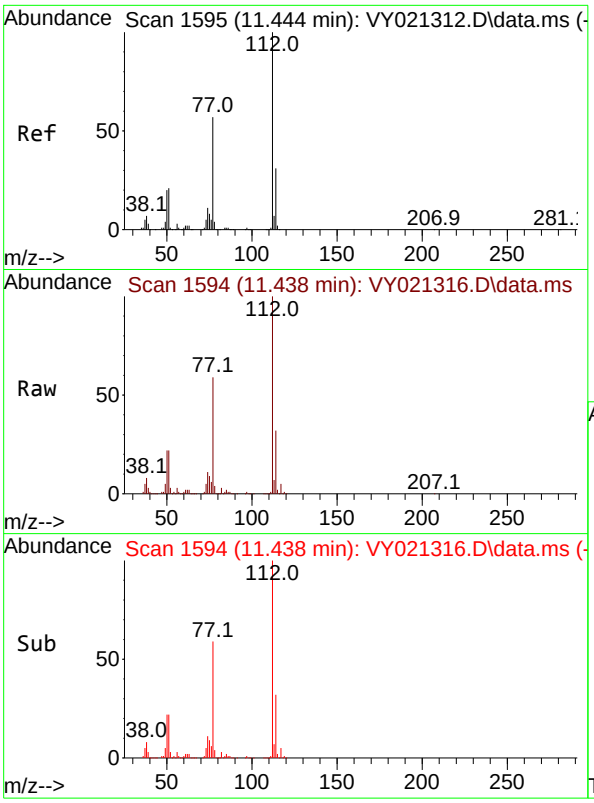


#64
Tetrachloroethene
Concen: 93.936 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:164 Resp: 189679

Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.9	152.9
129	92.9	75.5	113.3
131	90.2	72.5	108.7



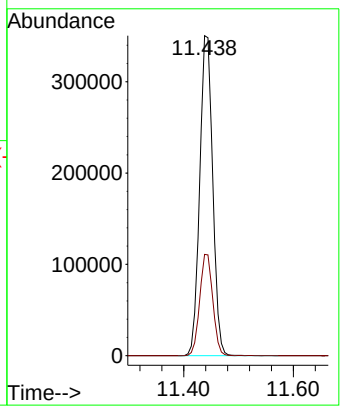


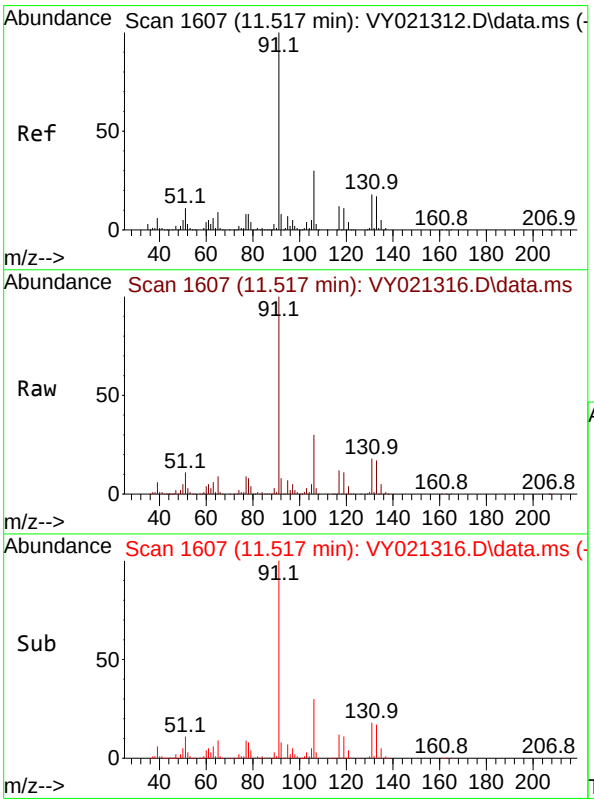
#65
Chlorobenzene
Concen: 96.070 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 576109

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.6

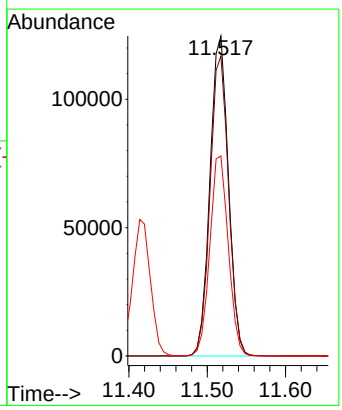


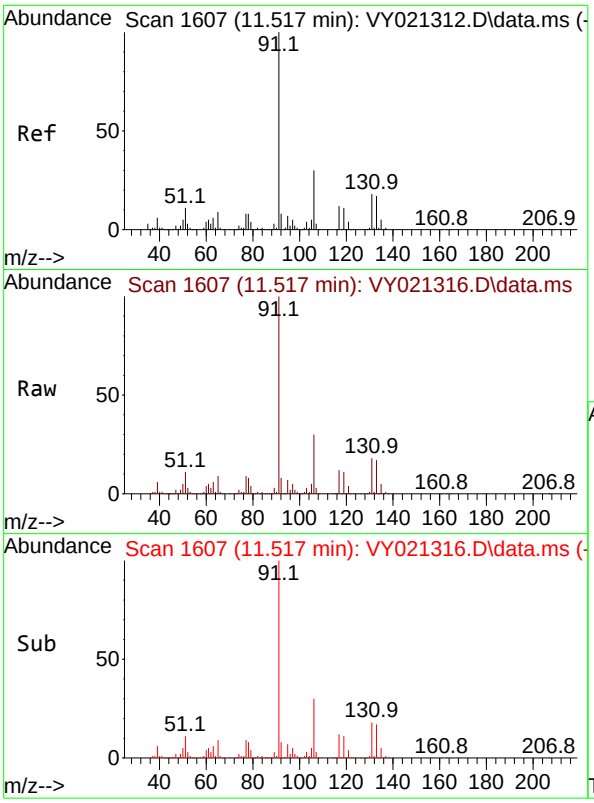


#66
1,1,1,2-Tetrachloroethane
Concen: 97.007 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:131 Resp: 203696

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.6
119	62.8	31.7	95.1



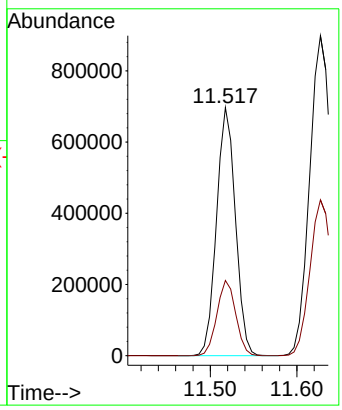


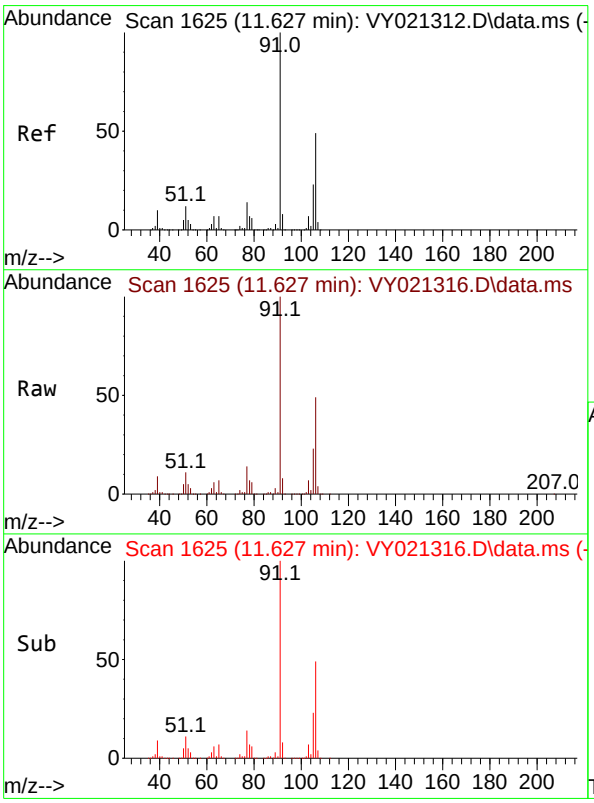
#67
Ethyl Benzene
Concen: 99.522 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1057129

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.4	36.6

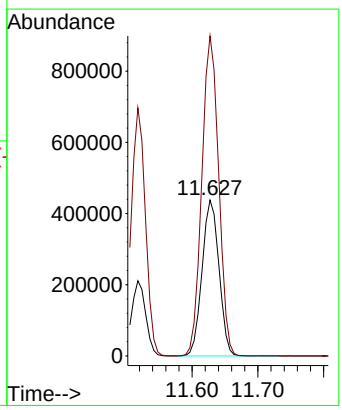


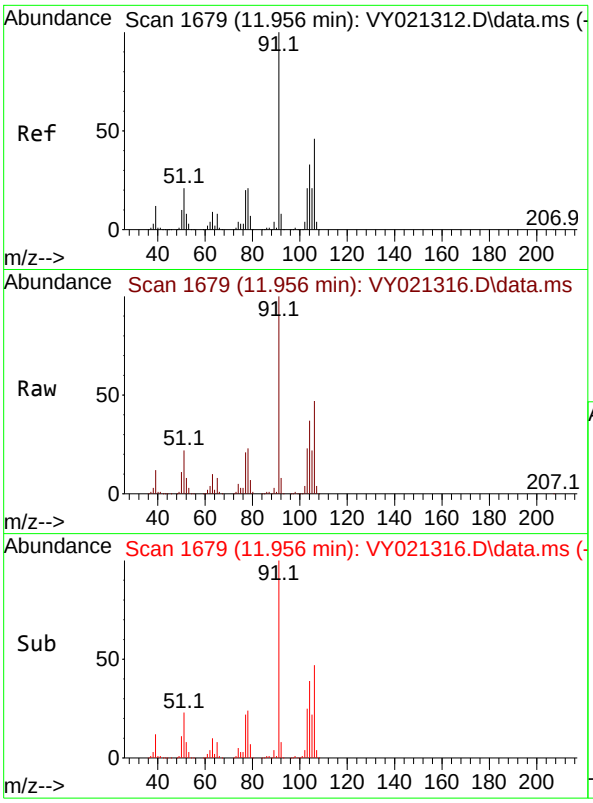


#68
m/p-Xylenes
Concen: 195.986 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:106 Resp: 783034

Ion	Ratio	Lower	Upper
106	100		
91	204.9	163.9	245.9



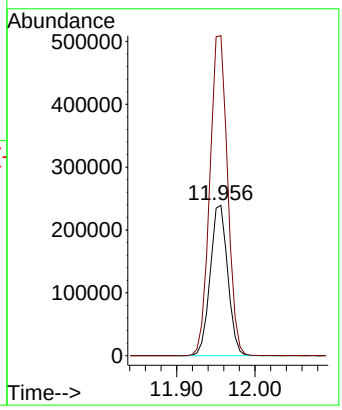


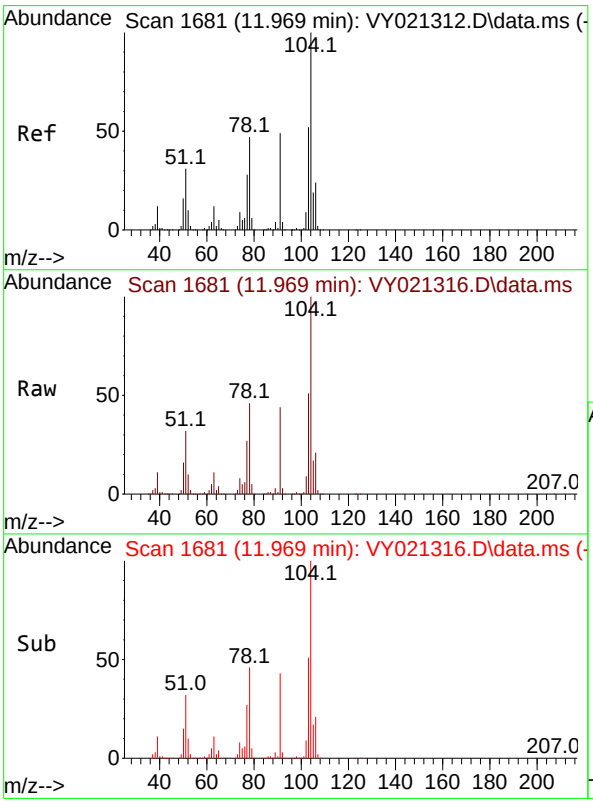
#69
o-Xylene
Concen: 99.112 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 370964

Ion	Ratio	Lower	Upper
106	100		
91	216.3	108.1	324.2

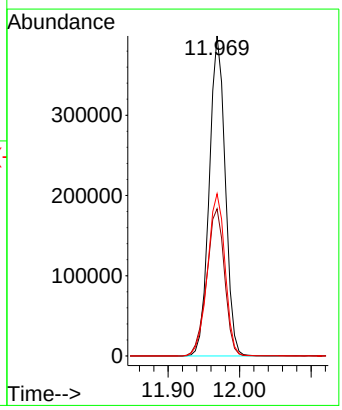


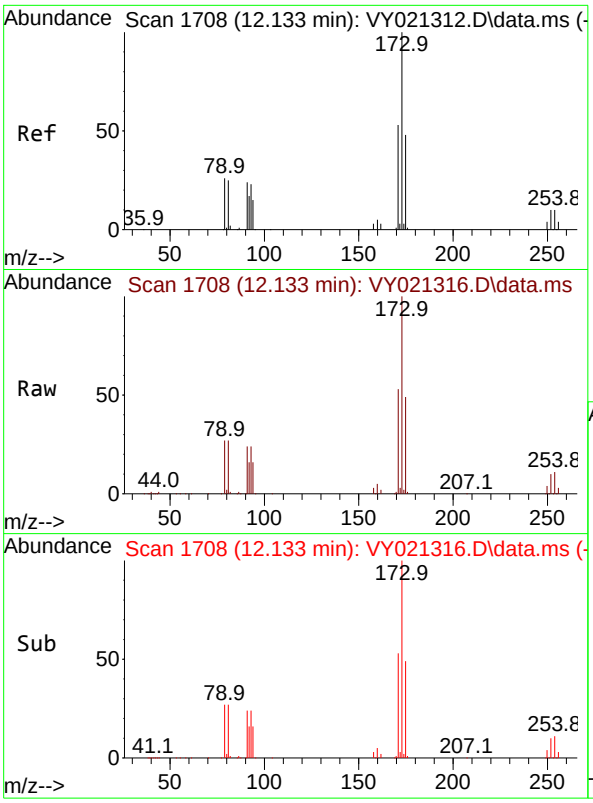


#70
Styrene
Concen: 99.469 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:104 Resp: 619437

Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.3	61.9
103	55.4	43.9	65.9



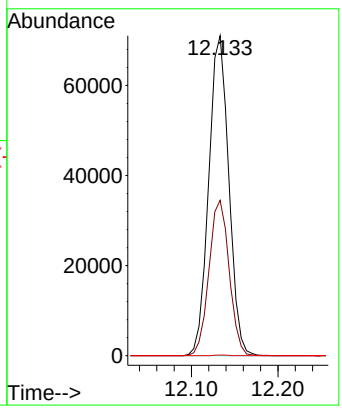


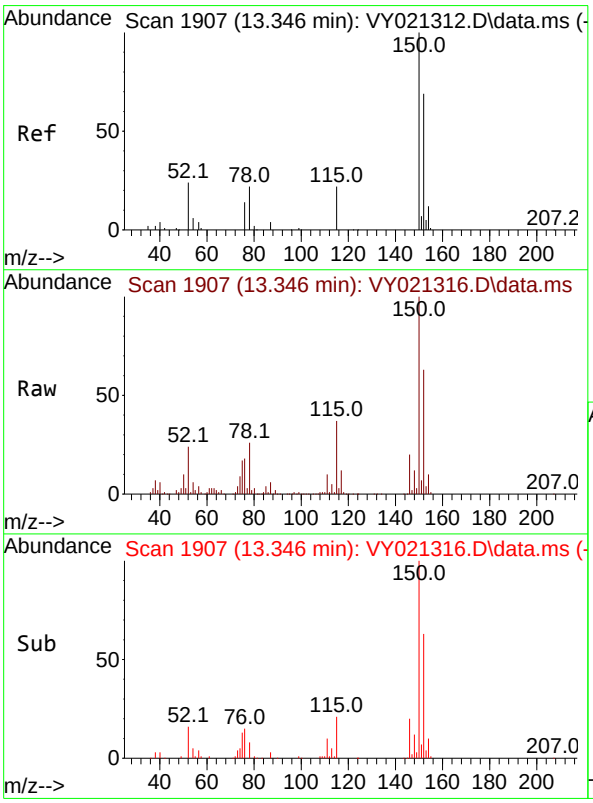
#71
Bromoform
Concen: 95.313 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 114495

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.1	0.1	0.1#

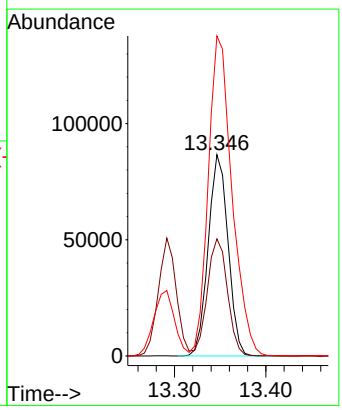


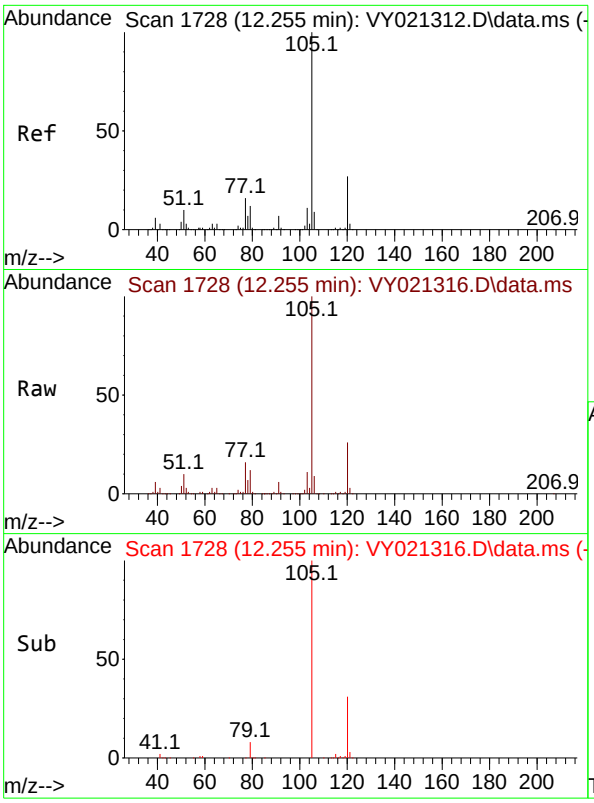


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:152 Resp: 130541

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	190.2	0.0	347.4



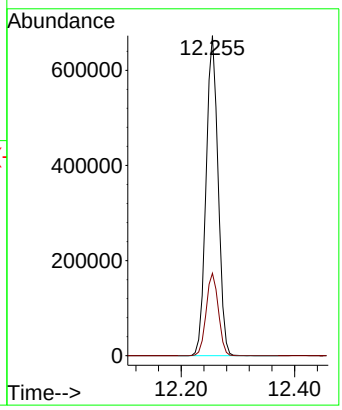


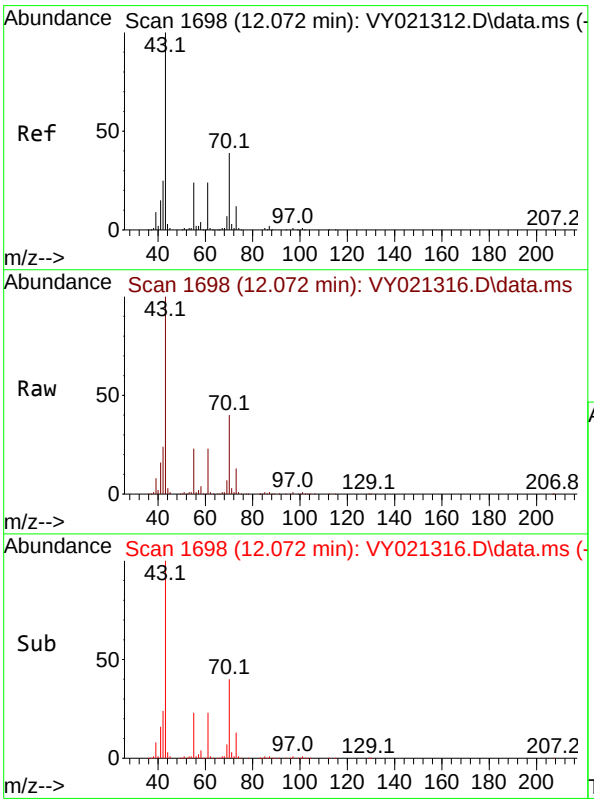
#73
Isopropylbenzene
Concen: 100.648 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 987758

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.8

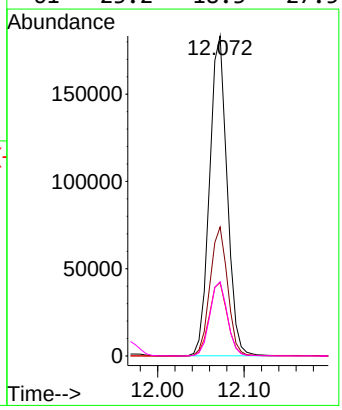


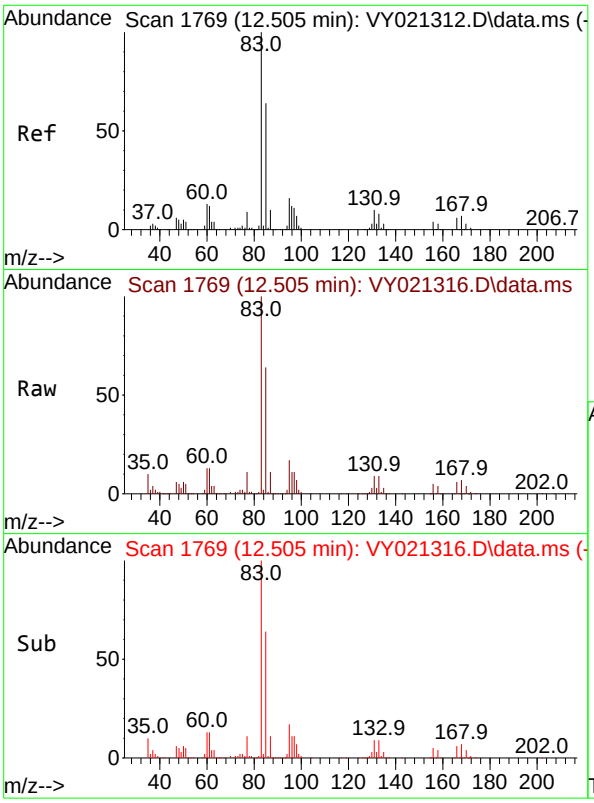


#74
N-amyl acetate
Concen: 103.658 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 43 Resp: 258576

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.2	48.2
55	23.8	19.6	29.4
61	23.2	18.3	27.5



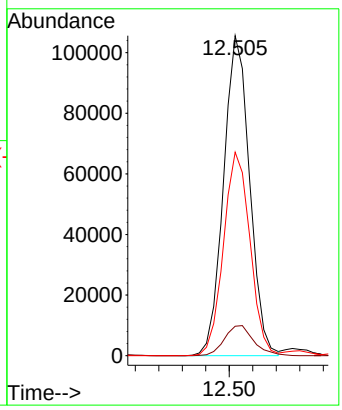


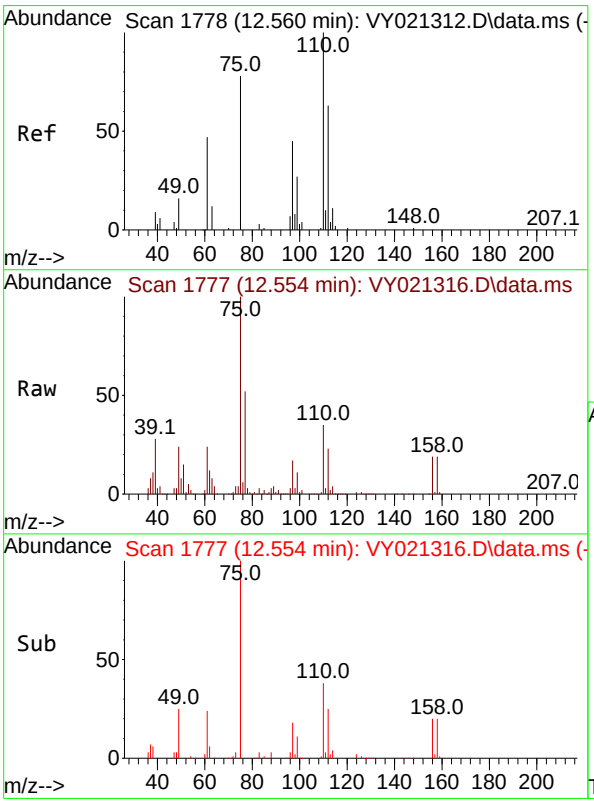
#75
1,1,2,2-Tetrachloroethane
Concen: 94.075 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 162941

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	64.6	32.0	96.0

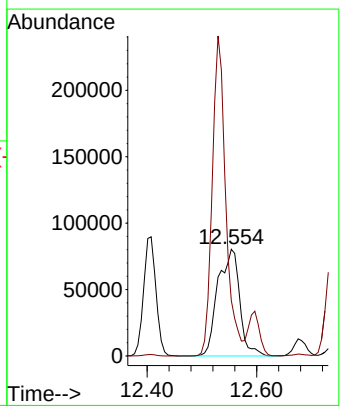


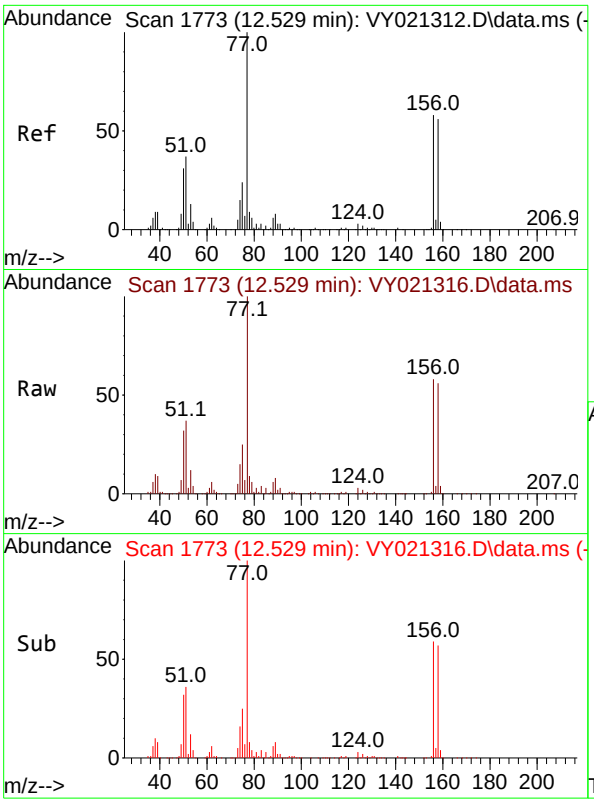


#76
1,2,3-Trichloropropane
Concen: 168.760 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 221853

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



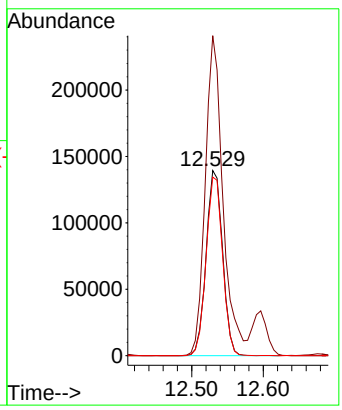


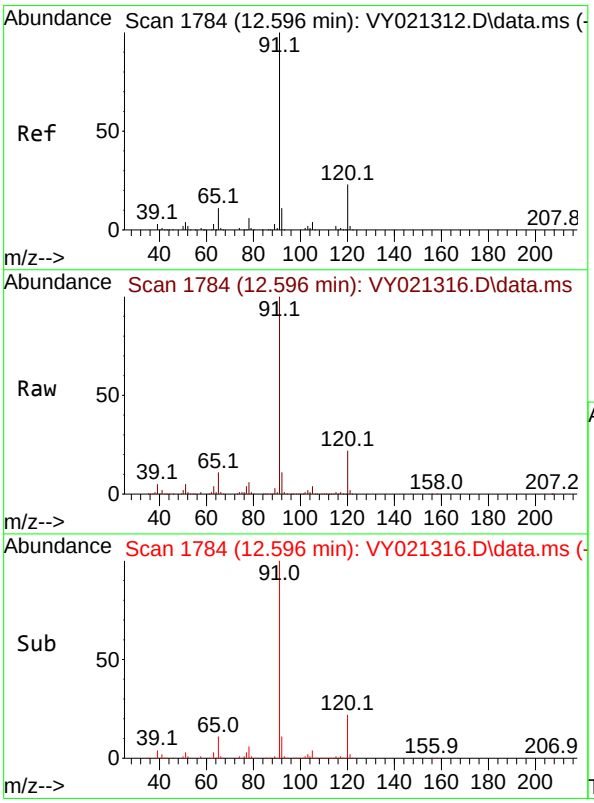
#77
Bromobenzene
Concen: 97.728 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 223081

Ion	Ratio	Lower	Upper
156	100		
77	184.2	94.0	282.1
158	96.9	48.7	146.1

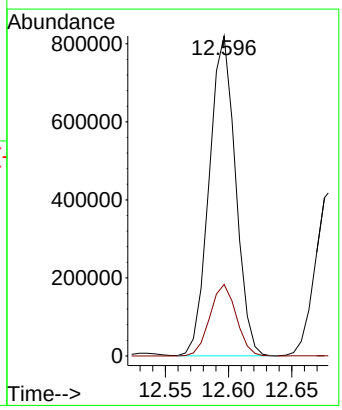


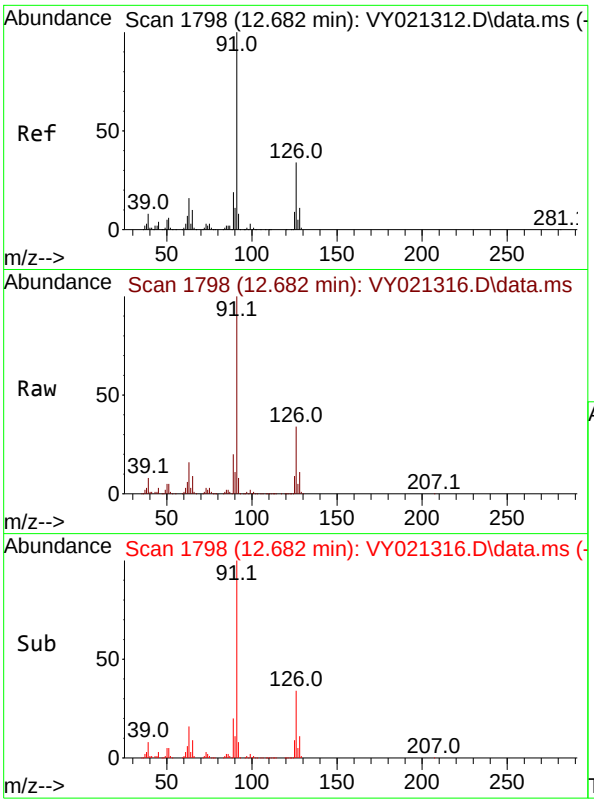


#78
n-propylbenzene
Concen: 99.651 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 1186751

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5



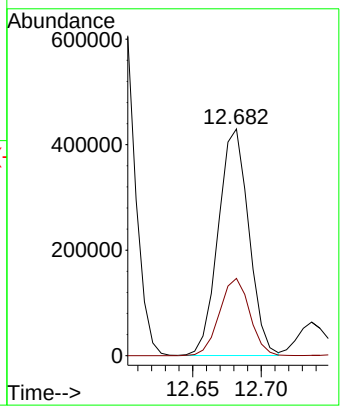


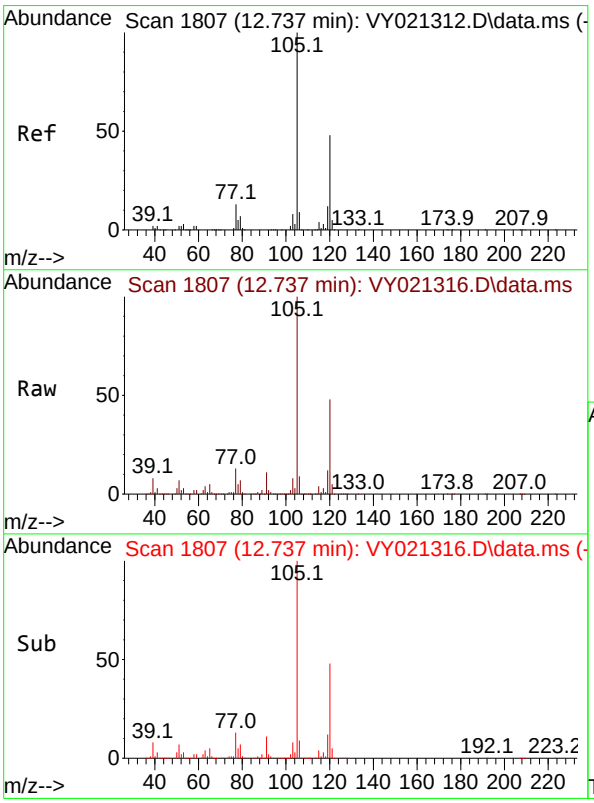
#79
2-Chlorotoluene
Concen: 97.455 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 666071

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6

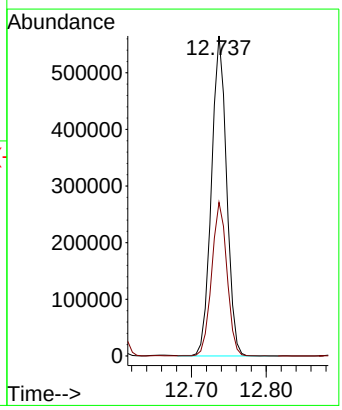


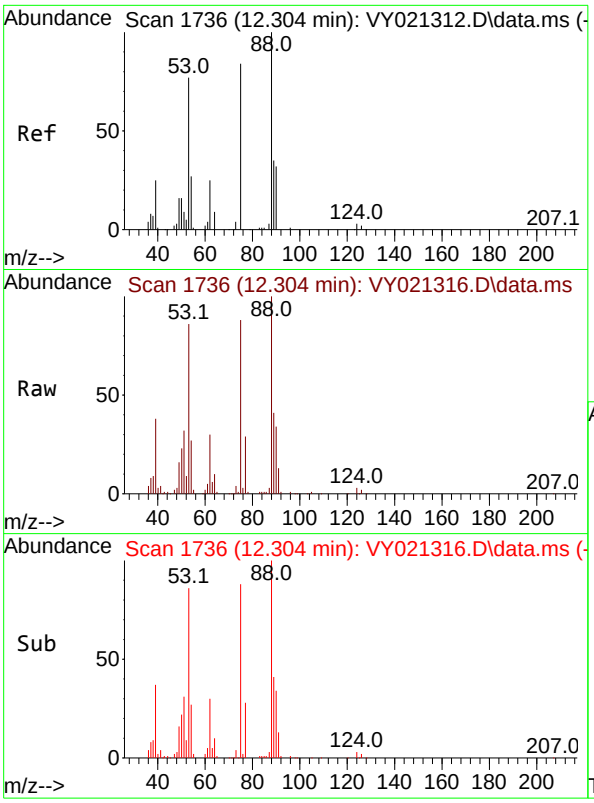


#80
1,3,5-Trimethylbenzene
Concen: 98.676 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 794247

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	73.0



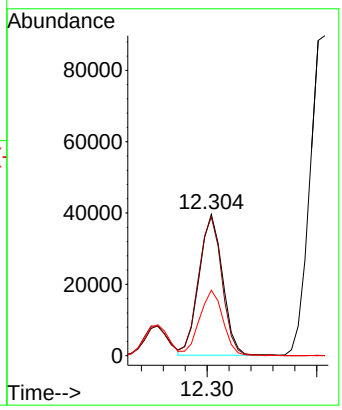


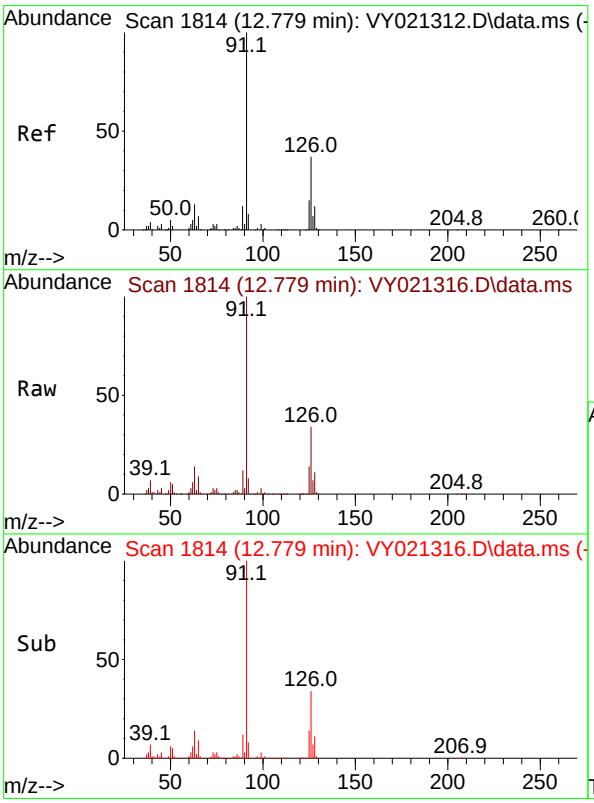
#81
trans-1,4-Dichloro-2-butene
Concen: 100.031 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 58806

Ion	Ratio	Lower	Upper
75	100		
53	99.2	79.1	118.7
89	46.7	35.6	53.4

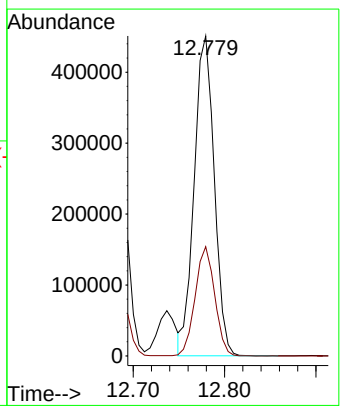


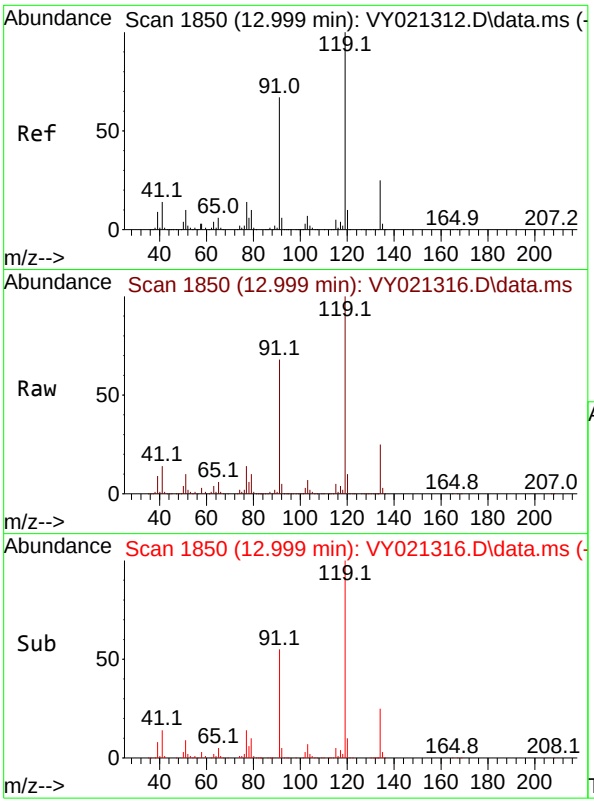


#82
4-Chlorotoluene
Concen: 97.022 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 91 Resp: 687385

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4



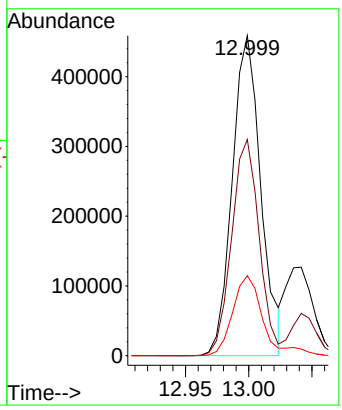


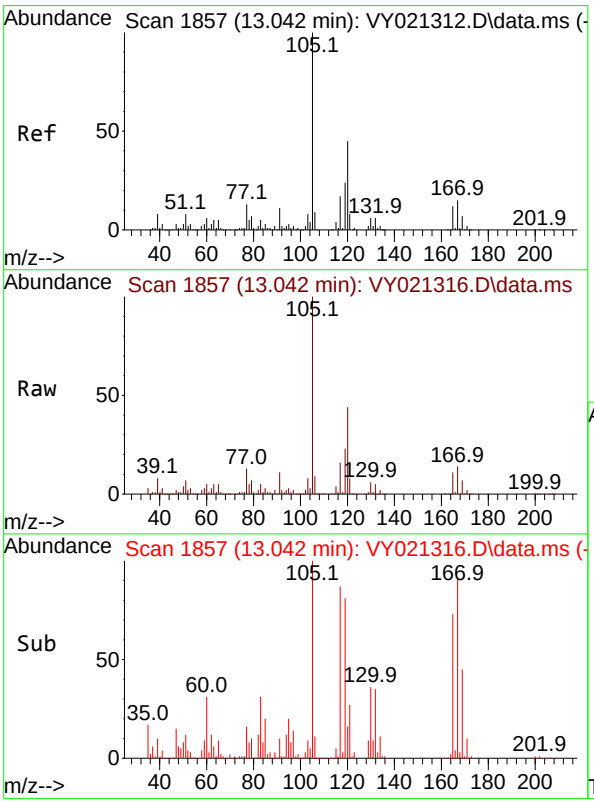
#83
tert-Butylbenzene
Concen: 99.092 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 720480

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.7	98.1
134	26.5	13.3	39.9

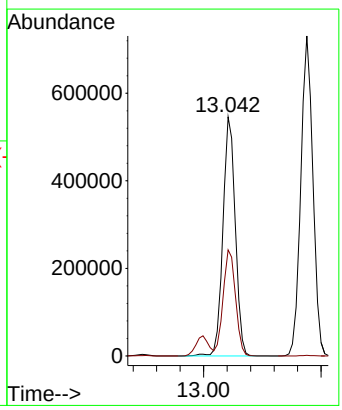


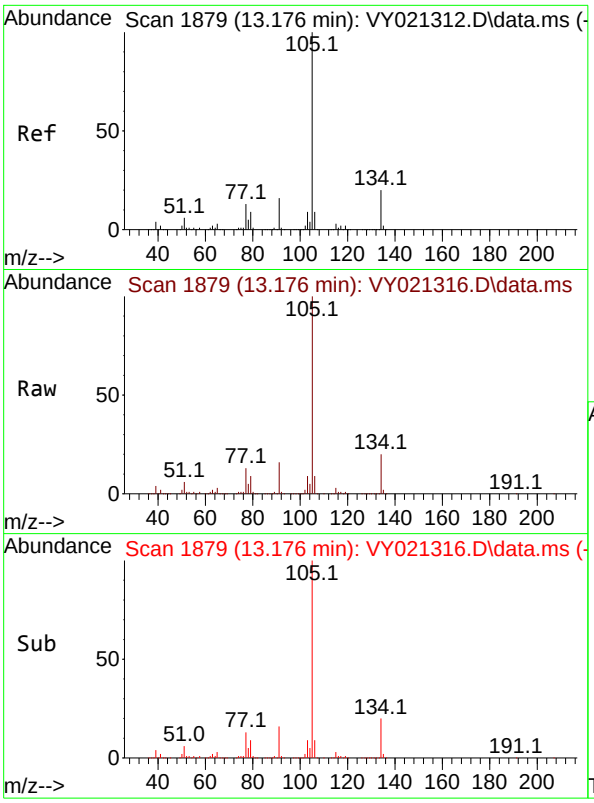


#84
1,2,4-Trimethylbenzene
Concen: 99.415 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:105 Resp: 795840

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3



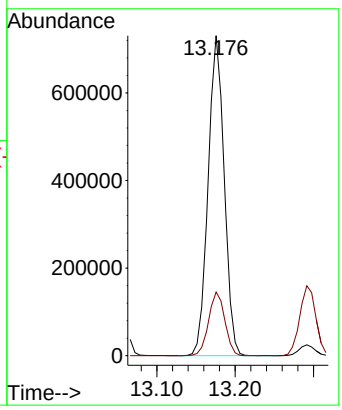


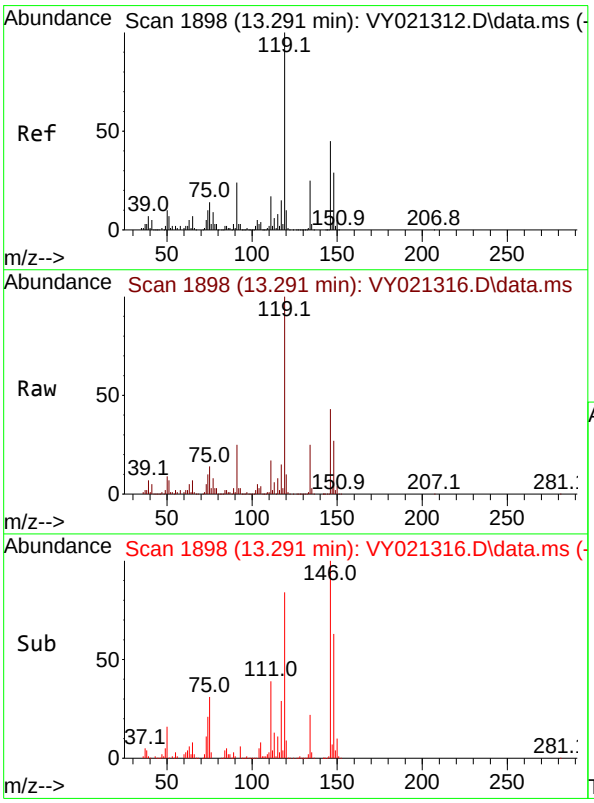
#85
sec-Butylbenzene
Concen: 98.021 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1041022

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	30.0

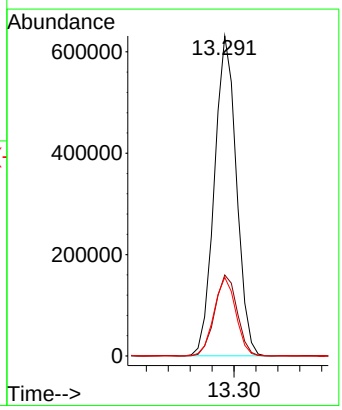


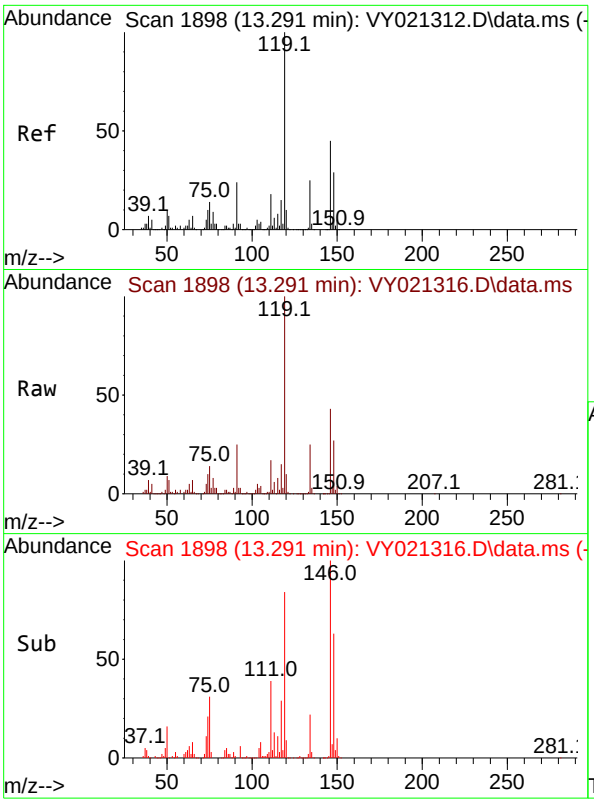


#86
p-Isopropyltoluene
Concen: 99.431 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:119 Resp: 881757

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.3	12.0	36.1



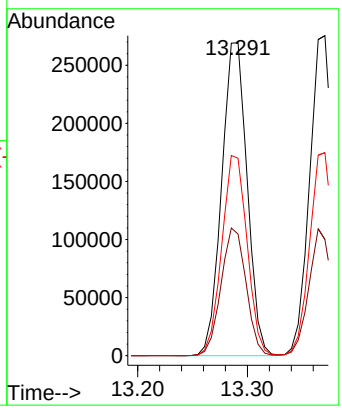


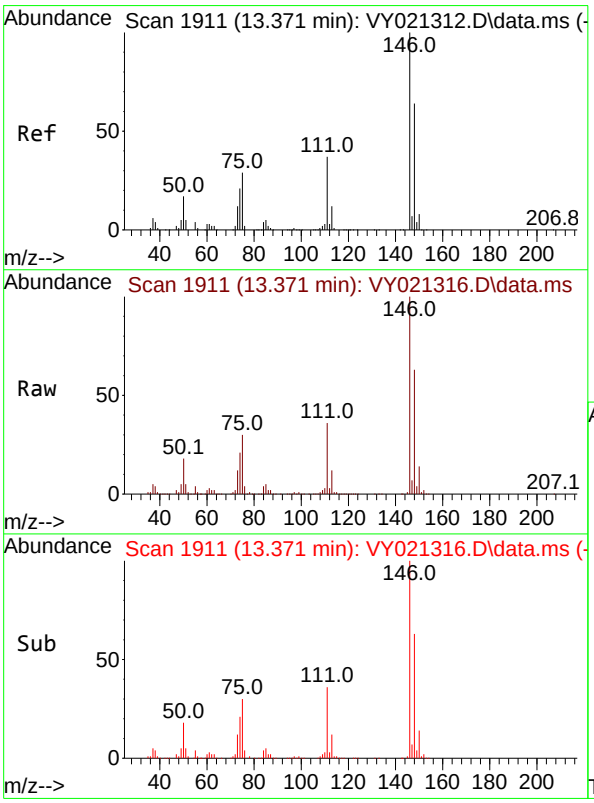
#87
1,3-Dichlorobenzene
Concen: 96.445 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 435489

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.6	31.9	95.9

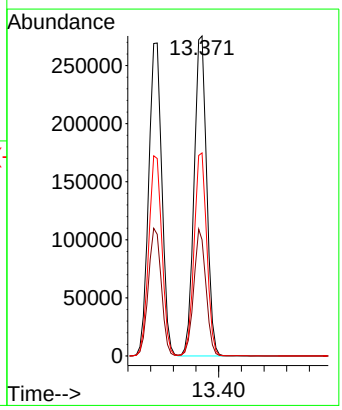


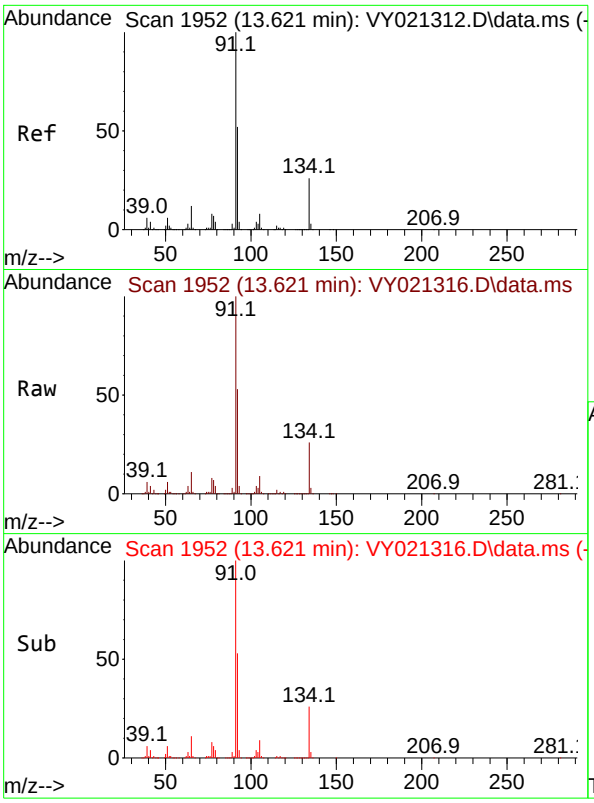


#88
1,4-Dichlorobenzene
Concen: 95.343 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:146 Resp: 425301

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	63.7	32.0	96.2



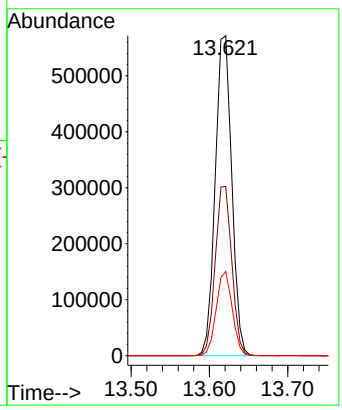


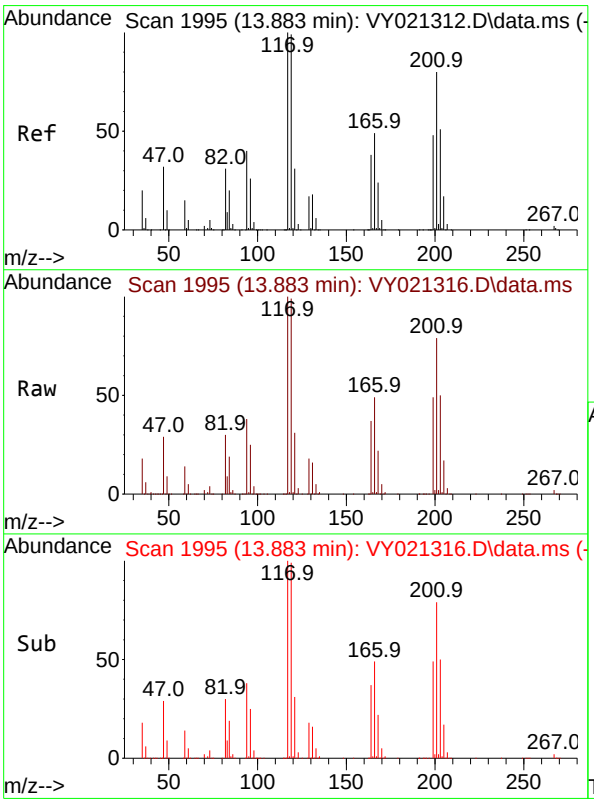
#89
n-Butylbenzene
Concen: 100.683 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 840236

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	25.5	12.7	38.0

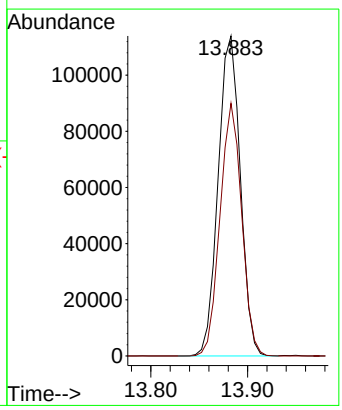


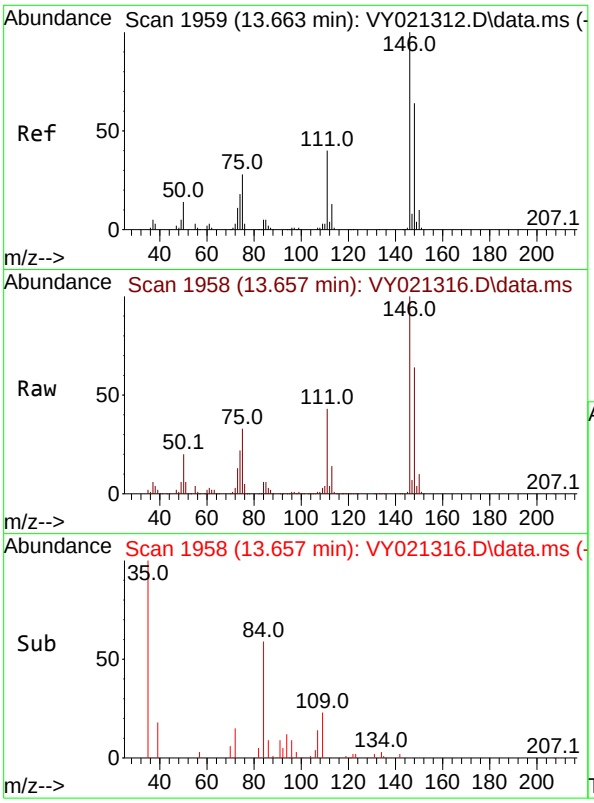


#90
Hexachloroethane
Concen: 97.720 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:117 Resp: 181015

Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.4	115.2



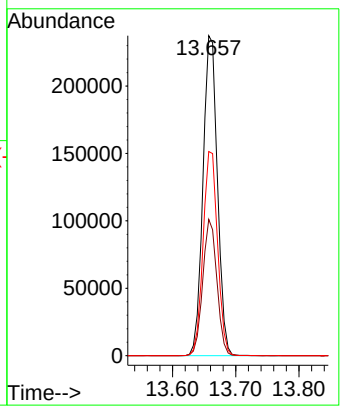


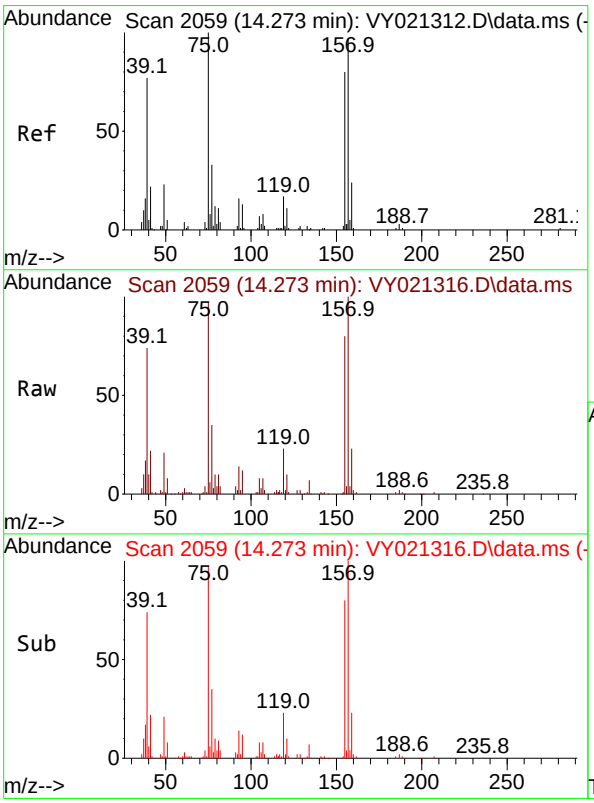
#91
1,2-Dichlorobenzene
Concen: 95.410 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 377453

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	64.1	31.7	95.1

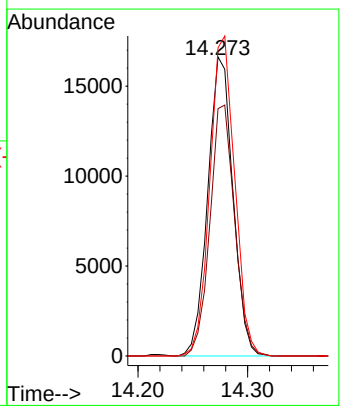


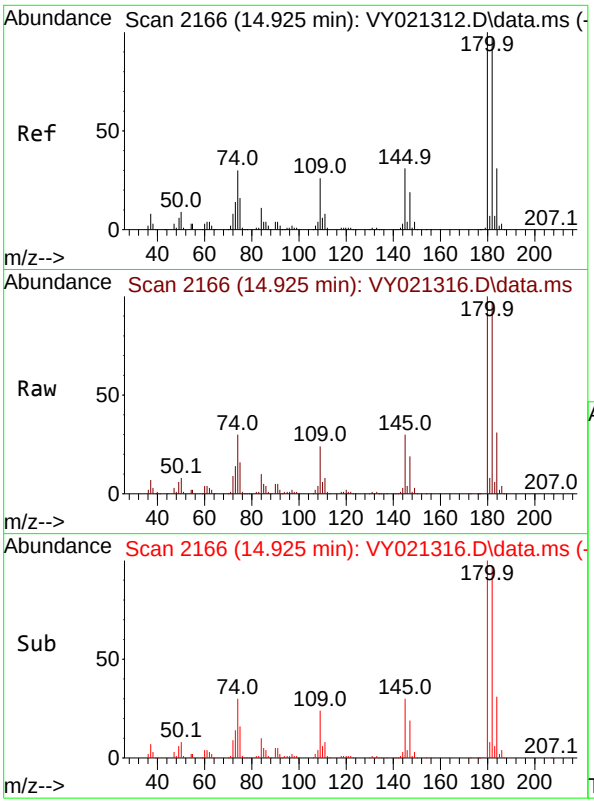


#92
1,2-Dibromo-3-Chloropropane
Concen: 96.867 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion: 75 Resp: 26541

Ion	Ratio	Lower	Upper
75	100		
155	82.1	41.9	125.6
157	105.5	52.5	157.6



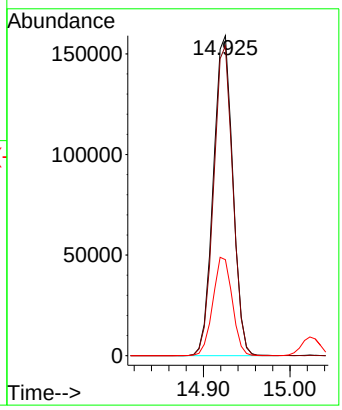


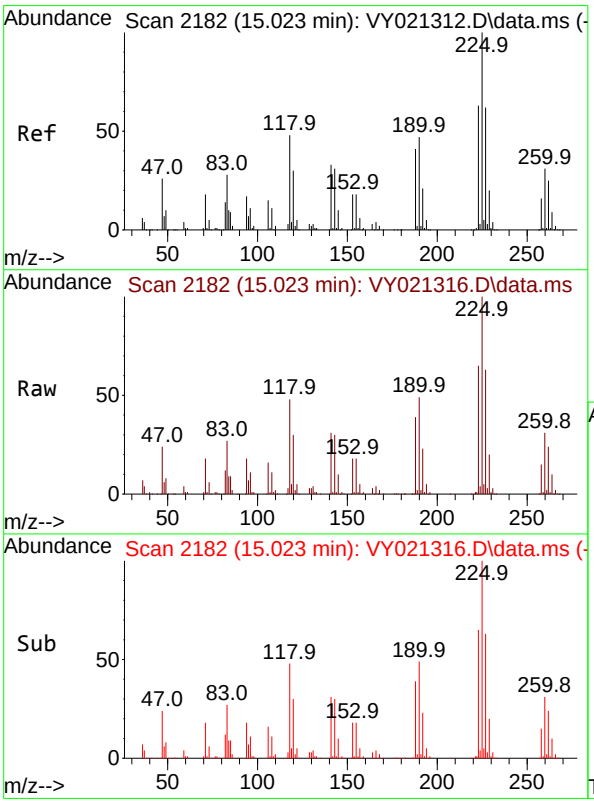
#93
1,2,4-Trichlorobenzene
Concen: 102.770 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 248146

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	30.6	15.6	46.8

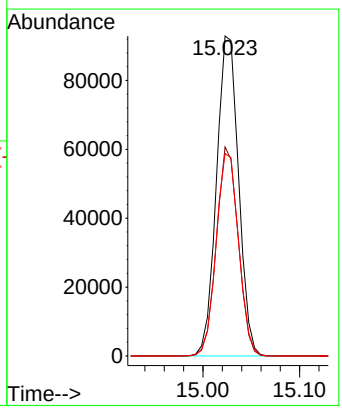


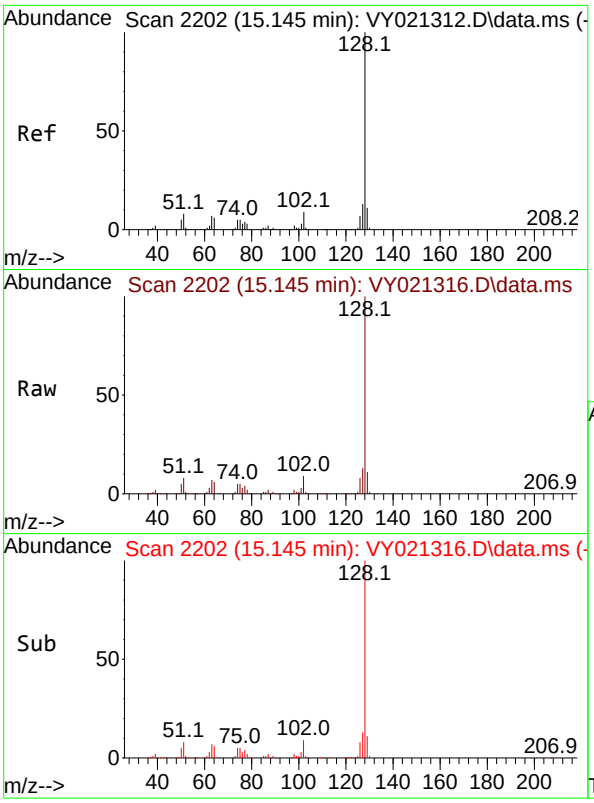


#94
Hexachlorobutadiene
Concen: 96.770 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:225 Resp: 147103

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.8	95.4
227	64.4	31.9	95.7



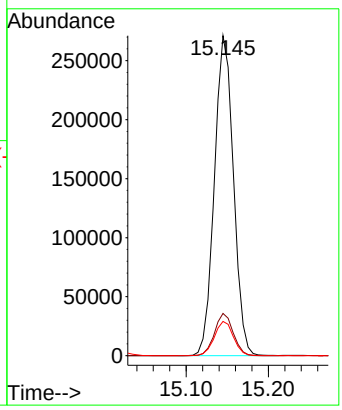


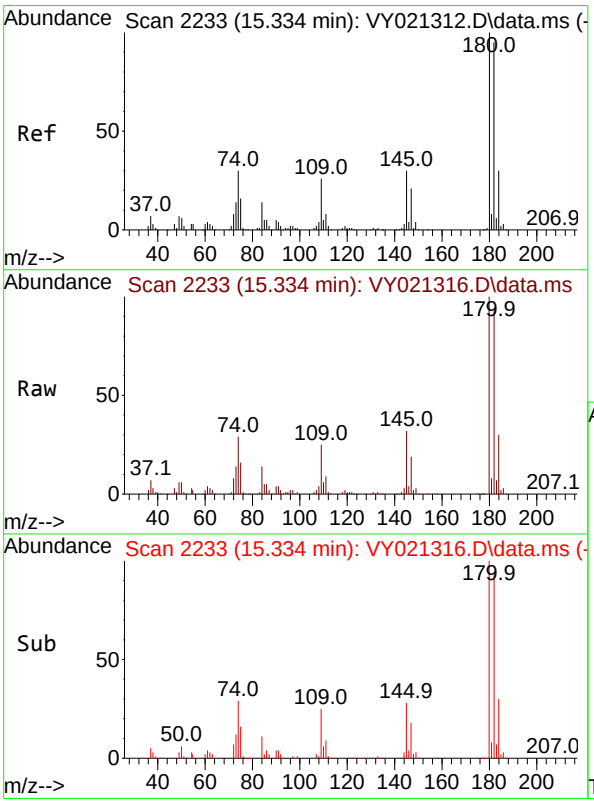
#95
Naphthalene
Concen: 109.220 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 436817

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.5	12.7

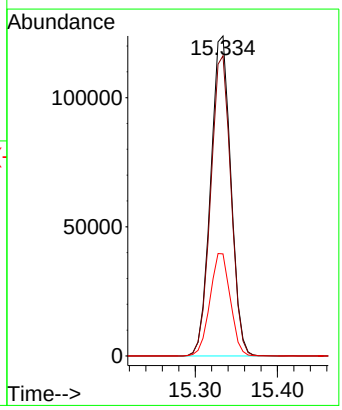




#96
1,2,3-Trichlorobenzene
Concen: 103.581 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021316.D
Acq: 25 Feb 2025 16:49

Tgt Ion:180 Resp: 211313

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.3	144.9
145	32.3	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	183832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	292214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	257123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98960	47.453	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.900%			
35) Dibromofluoromethane	7.634	113	93944	49.037	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.080%			
50) Toluene-d8	10.109	98	360528	48.694	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.380%			
62) 4-Bromofluorobenzene	12.408	95	120972	48.549	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	93894	53.871	ug/l	98
3) Chloromethane	2.068	50	120479	53.523	ug/l	100
4) Vinyl Chloride	2.202	62	121922	55.184	ug/l	98
5) Bromomethane	2.598	94	77054	52.483	ug/l	100
6) Chloroethane	2.732	64	75086	54.804	ug/l	99
7) Trichlorofluoromethane	3.062	101	178123	53.384	ug/l	94
8) Diethyl Ether	3.458	74	54929	54.849	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	104678	54.188	ug/l	98
10) Methyl Iodide	4.007	142	124707	61.361	ug/l	100
11) Tert butyl alcohol	4.848	59	35572	221.762	ug/l	100
12) 1,1-Dichloroethene	3.793	96	100075	54.104	ug/l	98
13) Acrolein	3.653	56	6337	51.554	ug/l	95
14) Allyl chloride	4.385	41	181554	55.361	ug/l	99
15) Acrylonitrile	5.055	53	118343	267.274	ug/l	99
16) Acetone	3.866	43	90886	227.197	ug/l	99
17) Carbon Disulfide	4.104	76	335241	54.581	ug/l	100
18) Methyl Acetate	4.385	43	51200	52.372	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	265419	54.311	ug/l	97
20) Methylene Chloride	4.616	84	110456	51.062	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	112082	55.044	ug/l	99
22) Diisopropyl ether	6.018	45	377281	55.595	ug/l	99
23) Vinyl Acetate	5.957	43	1116005	275.197	ug/l	100
24) 1,1-Dichloroethane	5.915	63	210383	55.004	ug/l	99
25) 2-Butanone	6.890	43	152895	253.246	ug/l	97
26) 2,2-Dichloropropane	6.884	77	187045	53.893	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	130921	56.305	ug/l	98
28) Bromochloromethane	7.244	49	80309	47.452	ug/l	99
29) Tetrahydrofuran	7.262	42	102673	260.172	ug/l	99
30) Chloroform	7.421	83	213255	55.023	ug/l	98
31) Cyclohexane	7.701	56	191850	52.180	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	194325	55.084	ug/l	98
36) 1,1-Dichloropropene	7.835	75	157102	54.593	ug/l	100
37) Ethyl Acetate	6.982	43	72810	50.864	ug/l	99
38) Carbon Tetrachloride	7.817	117	175208	54.157	ug/l	99
39) Methylcyclohexane	9.109	83	197993	54.397	ug/l	99
40) Benzene	8.079	78	464323	54.583	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	39412	49.244	ug/l		96
42) 1,2-Dichloroethane	8.158	62	129718	53.746	ug/l		100
43) Isopropyl Acetate	8.195	43	145128	52.380	ug/l	#	87
44) Trichloroethene	8.865	130	116988	54.930	ug/l		100
45) 1,2-Dichloropropane	9.140	63	111498	54.464	ug/l		99
46) Dibromomethane	9.231	93	61031	54.539	ug/l		99
47) Bromodichloromethane	9.420	83	162580	54.489	ug/l		98
48) Methyl methacrylate	9.219	41	71360	55.076	ug/l		99
49) 1,4-Dioxane	9.225	88	13103	1053.076	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	372486	262.628	ug/l		100
52) Toluene	10.170	92	294219	55.674	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	152263	55.699	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	178951	55.451	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	77645	53.263	ug/l		98
56) Ethyl methacrylate	10.438	69	112155	55.679	ug/l		99
57) 1,3-Dichloropropane	10.719	76	139257	54.438	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	221395	228.990	ug/l		100
59) 2-Hexanone	10.761	43	246032	264.133	ug/l		99
60) Dibromochloromethane	10.914	129	107866	54.329	ug/l		100
61) 1,2-Dibromoethane	11.018	107	74447	53.942	ug/l		98
64) Tetrachloroethene	10.646	164	102887	52.940	ug/l		95
65) Chlorobenzene	11.444	112	314040	54.410	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	110179	54.517	ug/l		99
67) Ethyl Benzene	11.517	91	572425	55.992	ug/l		99
68) m/p-Xylenes	11.627	106	427892	111.274	ug/l		99
69) o-Xylene	11.956	106	202123	56.108	ug/l		99
70) Styrene	11.969	104	337489	56.307	ug/l		99
71) Bromoform	12.133	173	61959	53.590	ug/l	#	100
73) Isopropylbenzene	12.255	105	540978	56.974	ug/l		99
74) N-amyl acetate	12.072	43	133968	55.509	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	89240	53.254	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	118541	93.768	ug/l	#	100
77) Bromobenzene	12.536	156	122121	55.296	ug/l		98
78) n-propylbenzene	12.597	91	654255	56.783	ug/l		100
79) 2-Chlorotoluene	12.682	91	369065	55.813	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	440379	56.549	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	30268	53.216	ug/l		96
82) 4-Chlorotoluene	12.779	91	375340	54.757	ug/l		100
83) tert-Butylbenzene	12.999	119	393228	55.900	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	438538	56.621	ug/l		100
85) sec-Butylbenzene	13.176	105	571874	55.655	ug/l		99
86) p-Isopropyltoluene	13.292	119	484140	56.427	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	239404	54.800	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	233477	54.098	ug/l		99
89) n-Butylbenzene	13.621	91	459065	56.856	ug/l		100
90) Hexachloroethane	13.883	117	98634	55.035	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	208776	54.545	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13821	52.137	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	132464	56.703	ug/l		99
94) Hexachlorobutadiene	15.029	225	78745	53.541	ug/l		99
95) Naphthalene	15.151	128	222839	57.589	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	112466	56.980	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

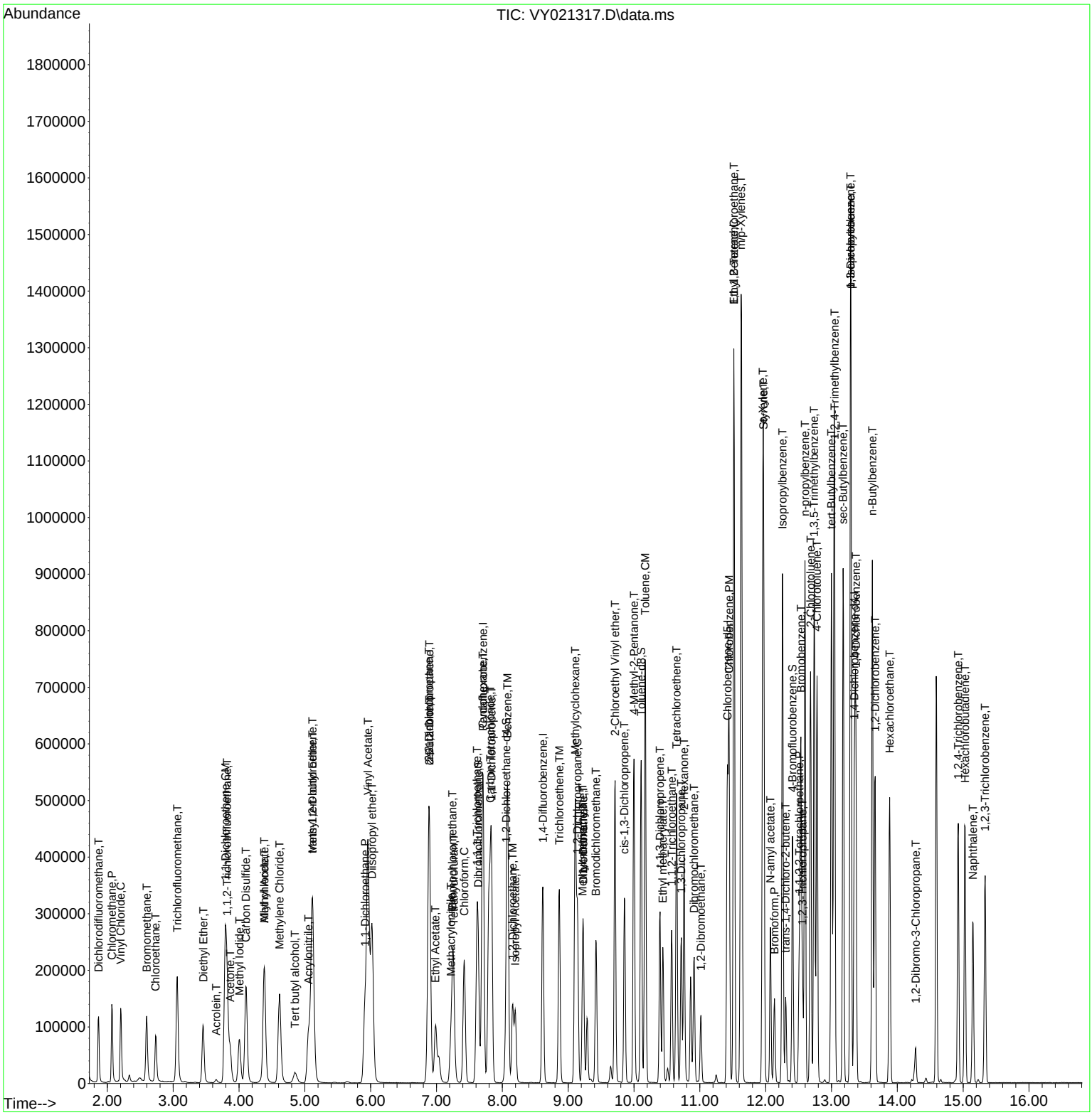
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

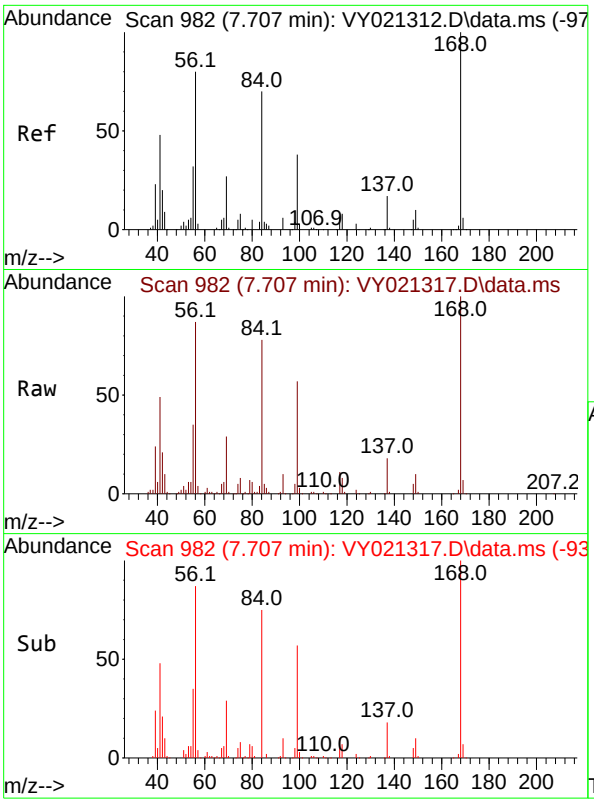
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
Data File : VY021317.D
Acq On : 25 Feb 2025 17:31
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Quant Time: Feb 26 03:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



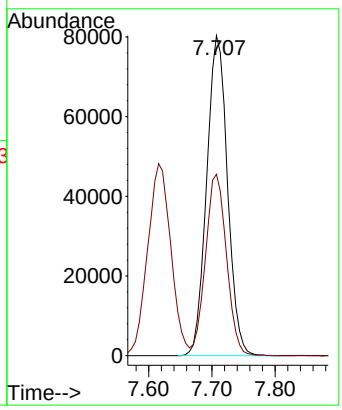


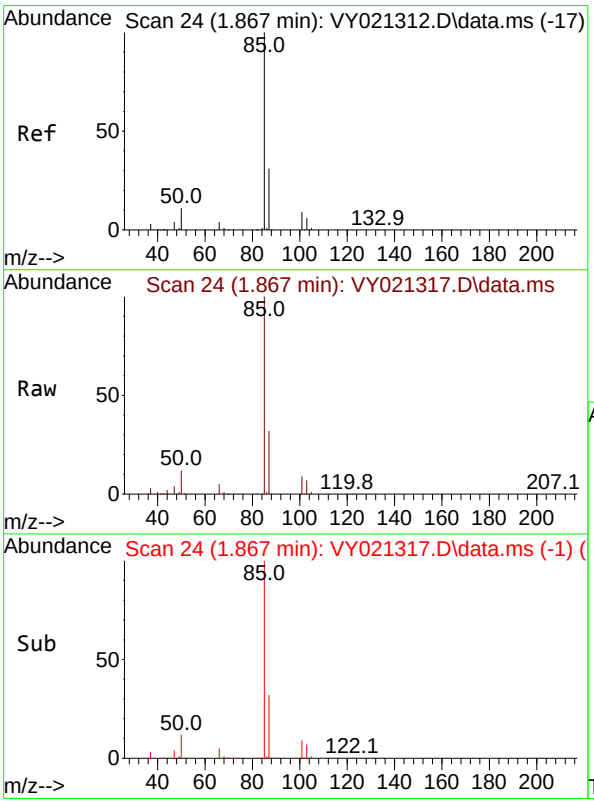
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:168 Resp: 183832

Ion	Ratio	Lower	Upper
168	100		
99	56.7	47.1	70.7

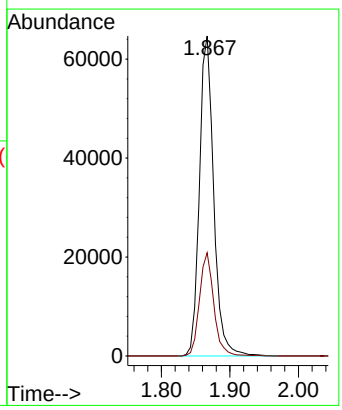


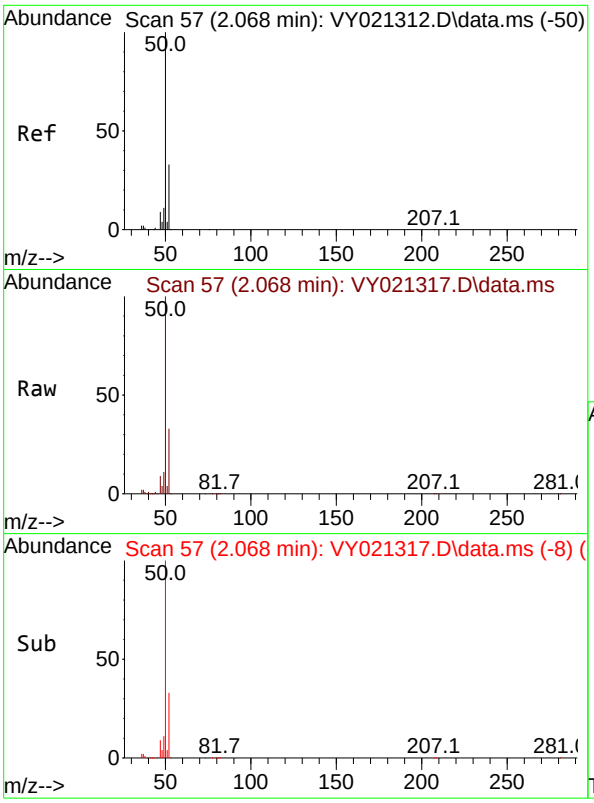


#2
Dichlorodifluoromethane
Concen: 53.871 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 85 Resp: 93894

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.4



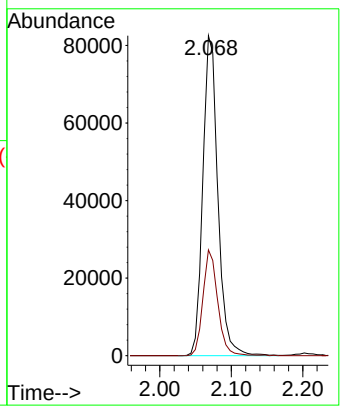


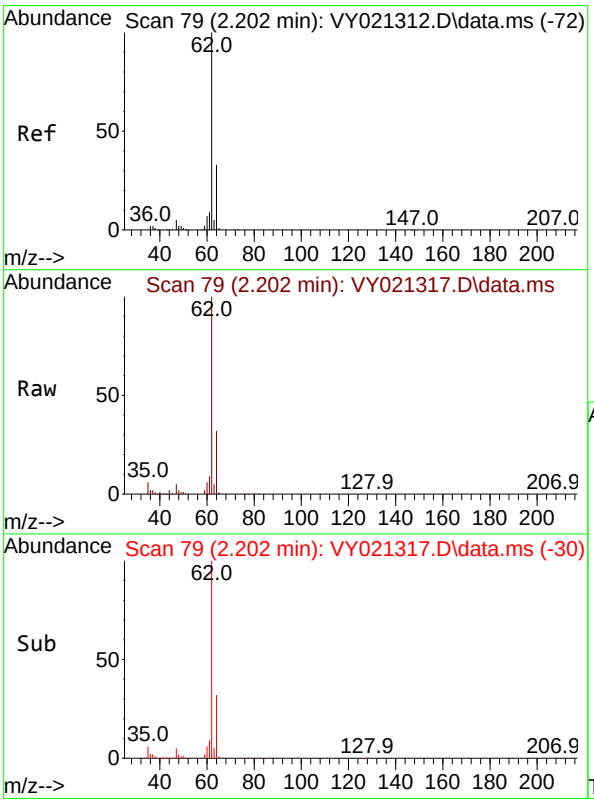
#3
Chloromethane
Concen: 53.523 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 50 Resp: 120479

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.6	40.0

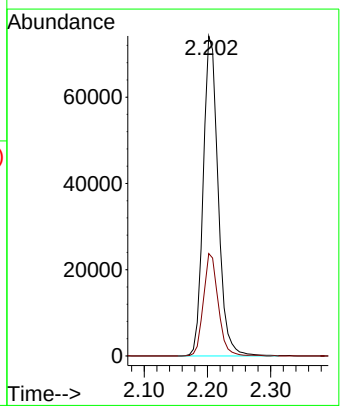


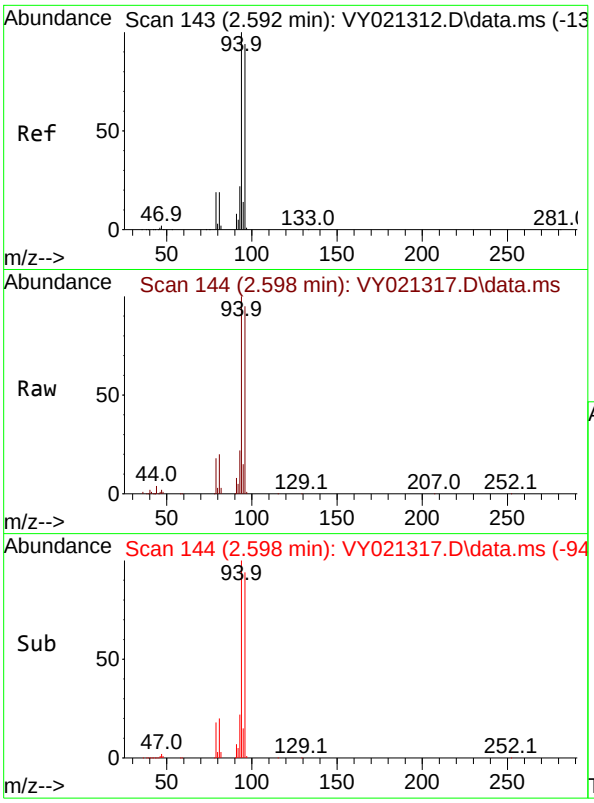


#4
Vinyl Chloride
Concen: 55.184 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 121922

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.3	39.5



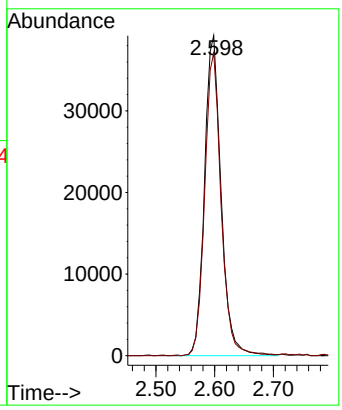


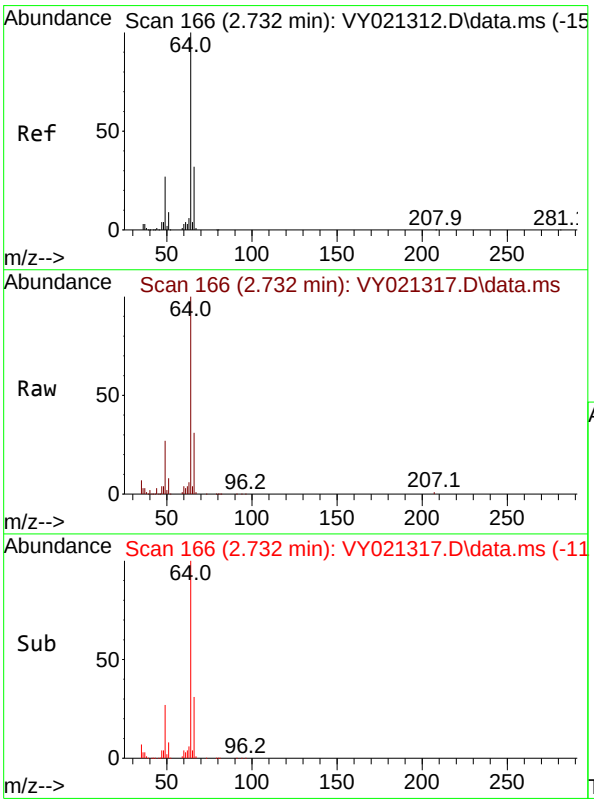
#5
Bromomethane
Concen: 52.483 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 94 Resp: 77054

Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.2	112.8

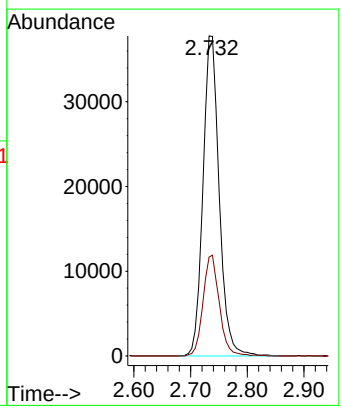


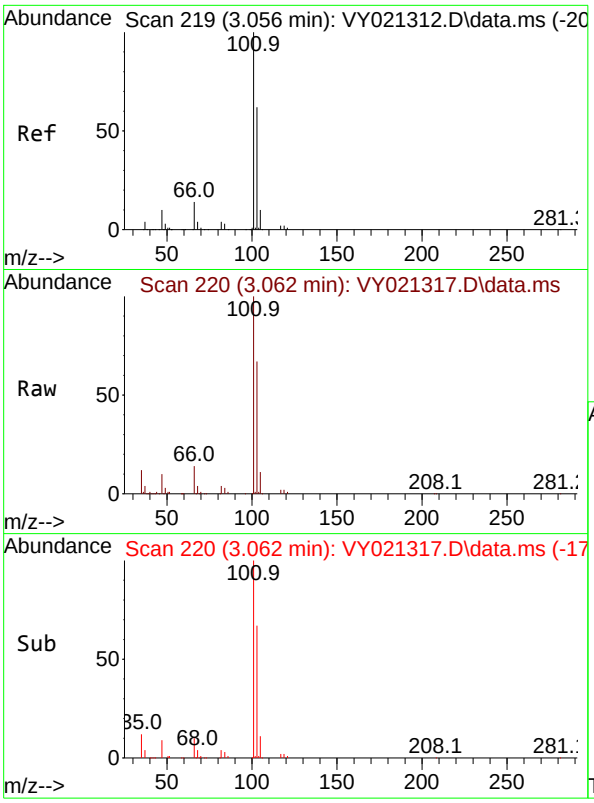


#6
Chloroethane
Concen: 54.804 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 64 Resp: 75086

Ion	Ratio	Lower	Upper
64	100		
66	30.9	25.4	38.0



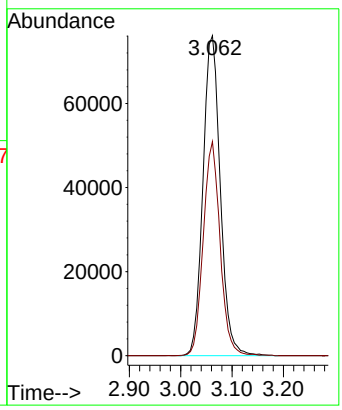


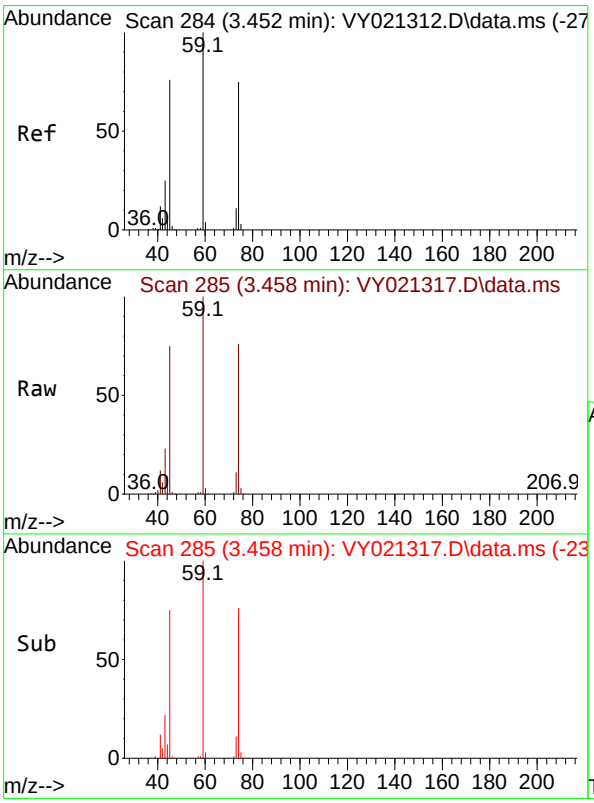
#7
Trichlorofluoromethane
Concen: 53.384 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:101 Resp: 178123

Ion	Ratio	Lower	Upper
101	100		
103	66.9	49.7	74.5

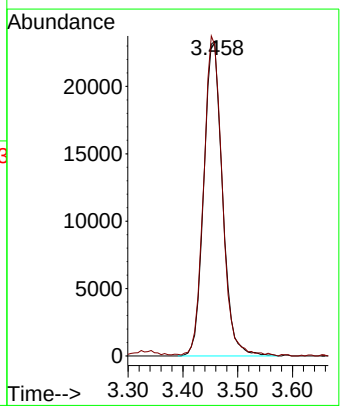


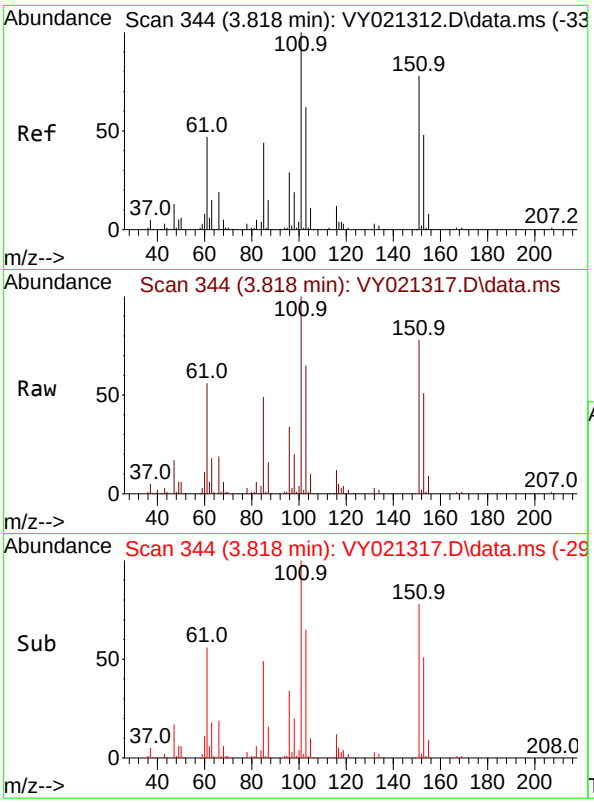


#8
Diethyl Ether
Concen: 54.849 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 74 Resp: 54929

Ion	Ratio	Lower	Upper
74	100		
45	101.8	50.3	150.9



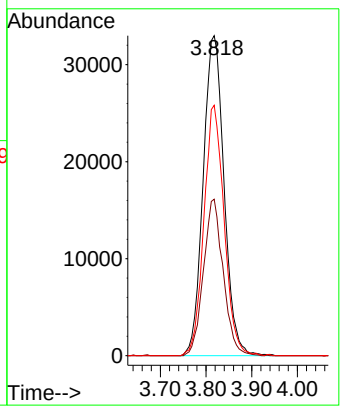


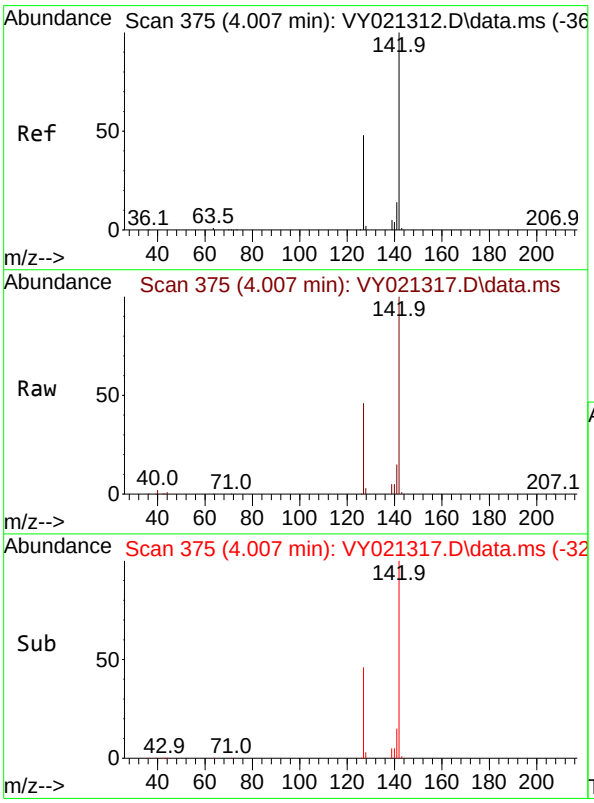
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.188 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:101 Resp: 104678

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	75.8	62.6	94.0

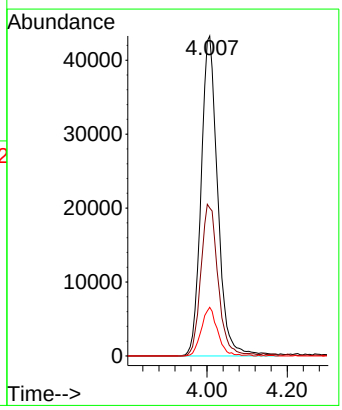


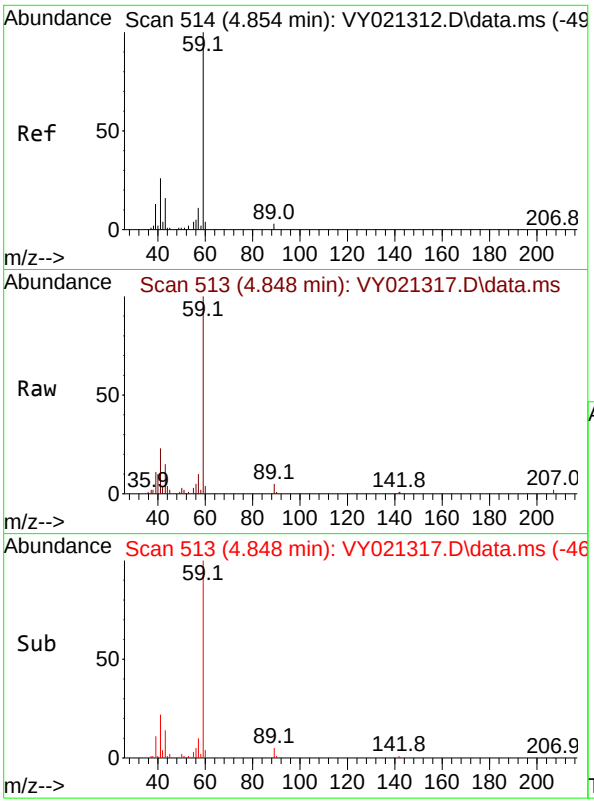


#10
Methyl Iodide
Concen: 61.361 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:142 Resp: 124707

Ion	Ratio	Lower	Upper
142	100		
127	49.0	39.2	58.8
141	14.8	11.4	17.2



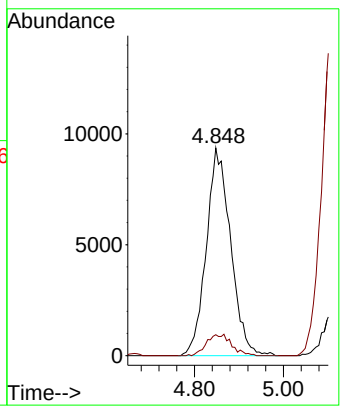


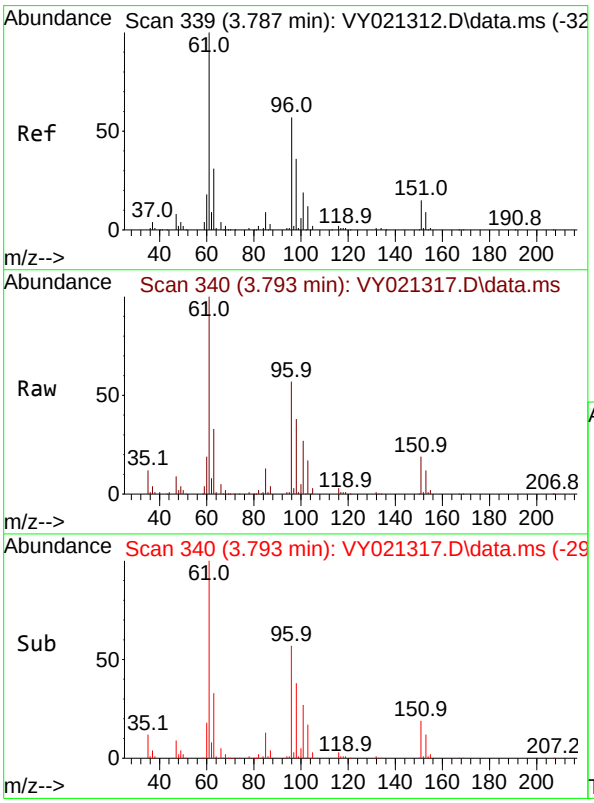
#11
Tert butyl alcohol
Concen: 221.762 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 59 Resp: 35572

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

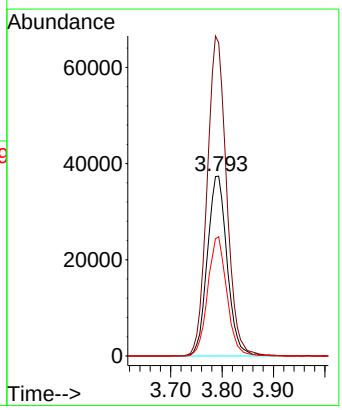


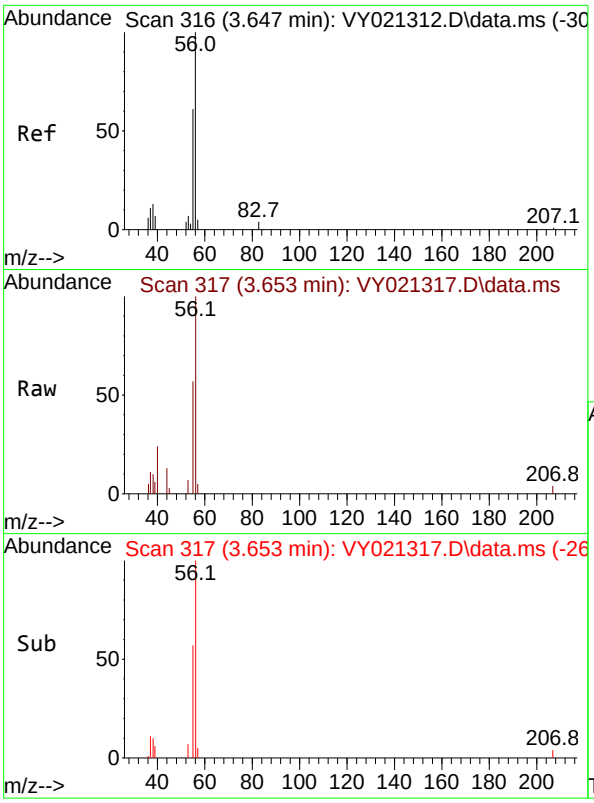


#12
1,1-Dichloroethene
Concen: 54.104 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 96 Resp: 100075

Ion	Ratio	Lower	Upper
96	100		
61	174.2	139.7	209.5
98	66.3	49.7	74.5



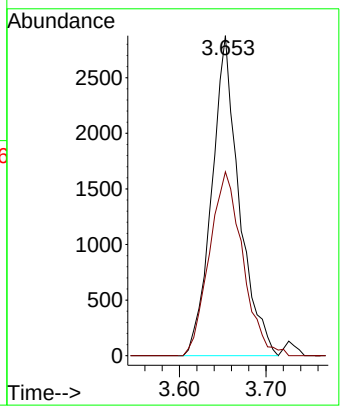


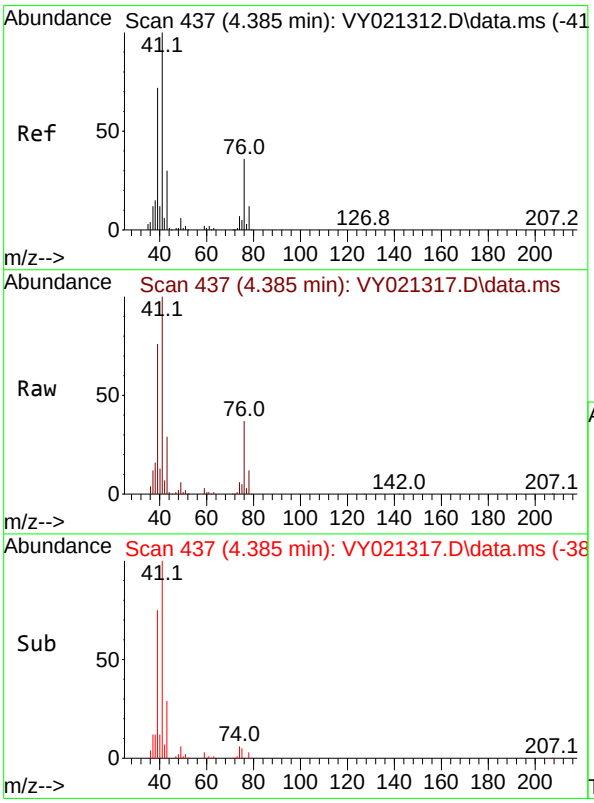
#13
Acrolein
Concen: 51.554 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 56 Resp: 6337

Ion	Ratio	Lower	Upper
56	100		
55	69.9	59.0	88.6

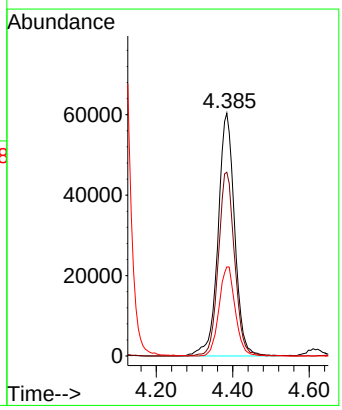


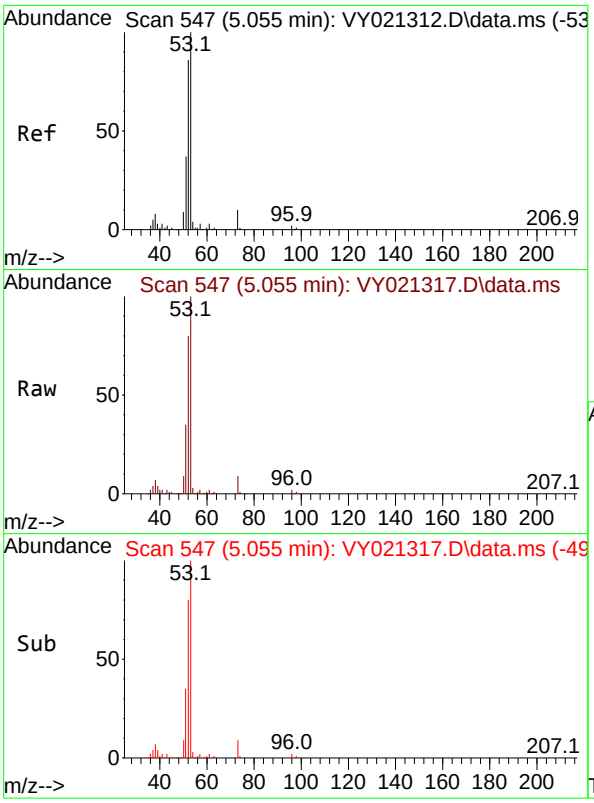


#14
Allyl chloride
Concen: 55.361 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 181554

Ion	Ratio	Lower	Upper
41	100		
39	74.4	60.0	90.0
76	35.8	29.0	43.6



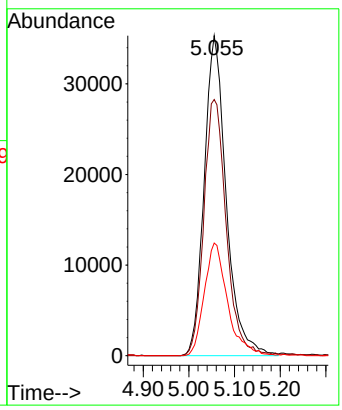


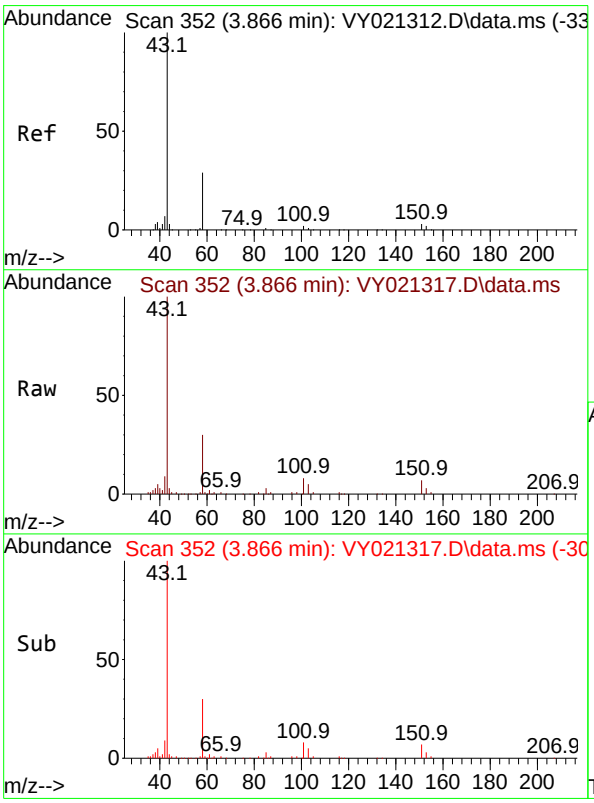
#15
Acrylonitrile
Concen: 267.274 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 53 Resp: 118343

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.5	98.3
51	37.1	30.6	46.0

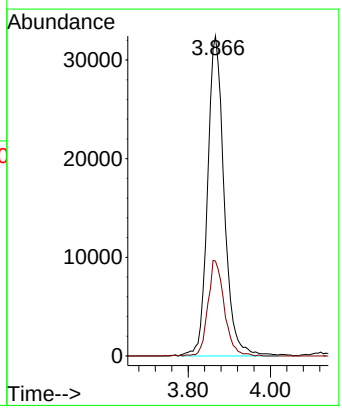


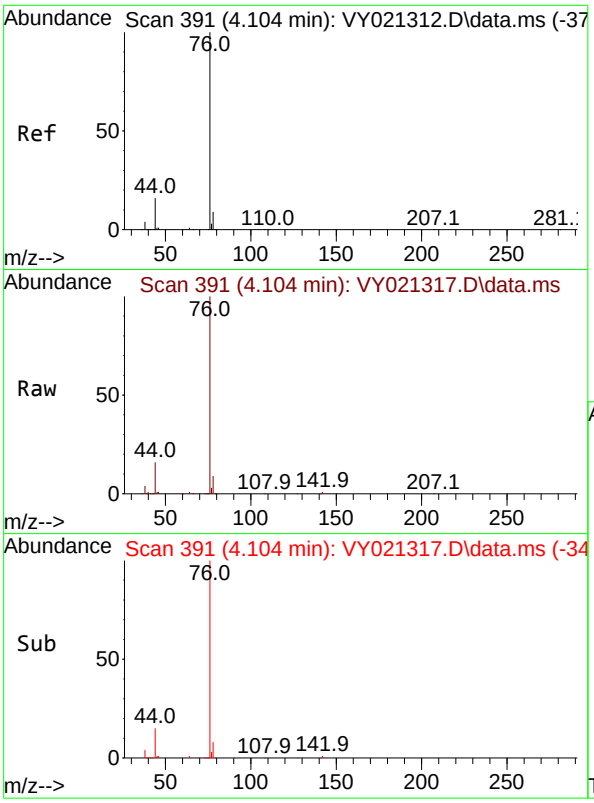


#16
Acetone
Concen: 227.197 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 90886

Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.5	35.3



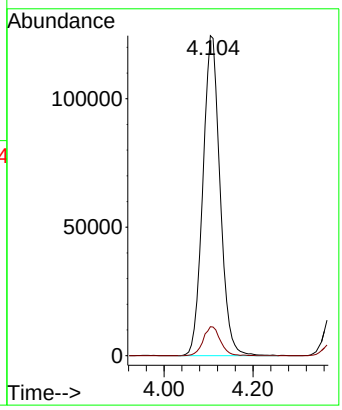


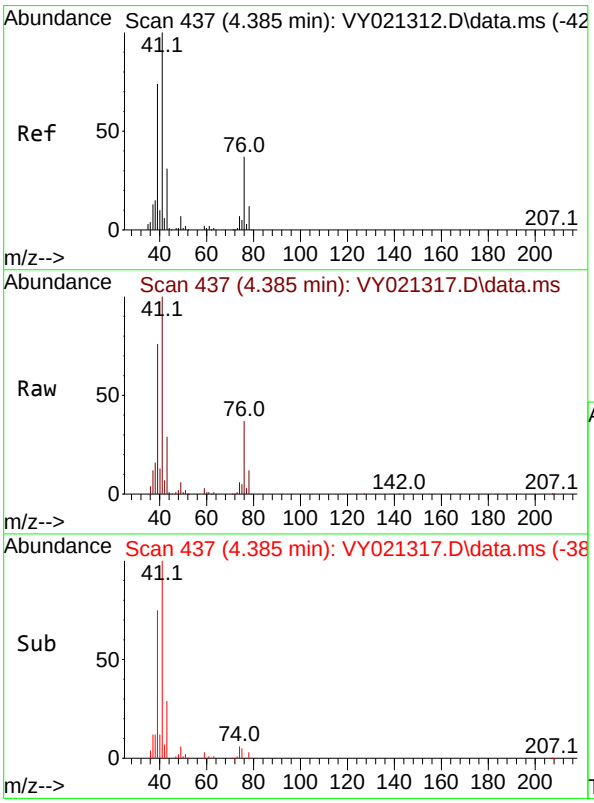
#17
Carbon Disulfide
Concen: 54.581 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 76 Resp: 335241

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

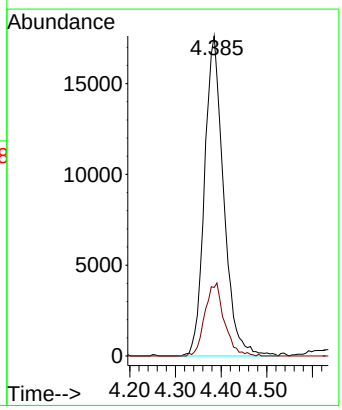


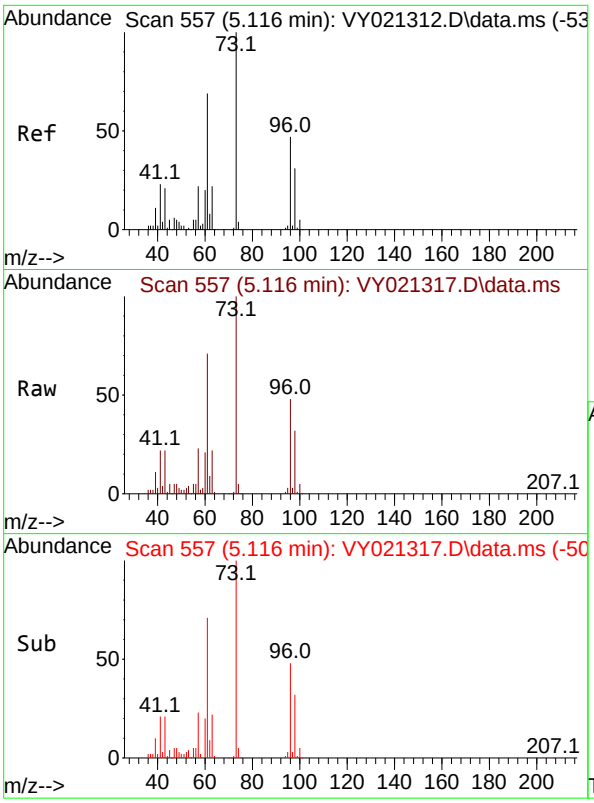


#18
Methyl Acetate
Concen: 52.372 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 51200

Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.7	26.5



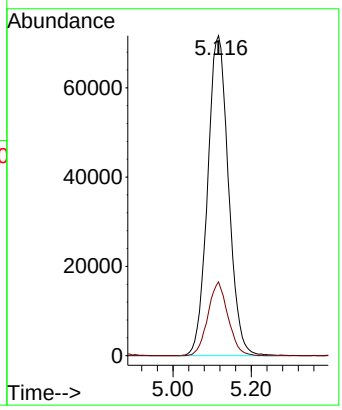


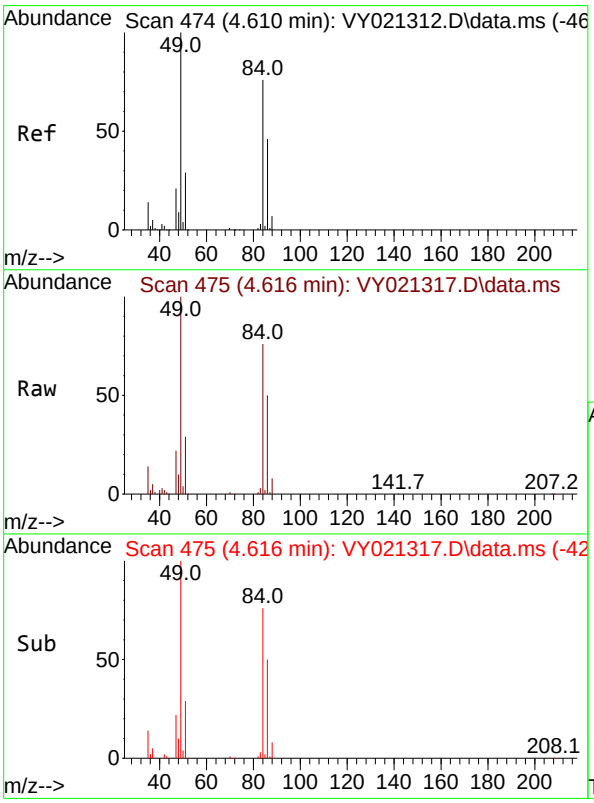
#19
Methyl tert-butyl Ether
Concen: 54.311 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 73 Resp: 265419

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.0

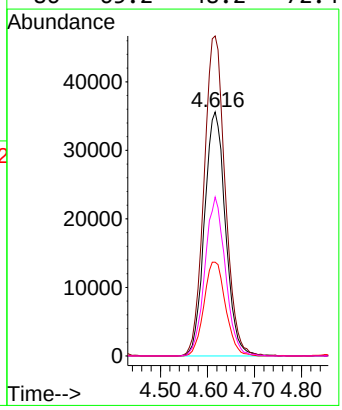


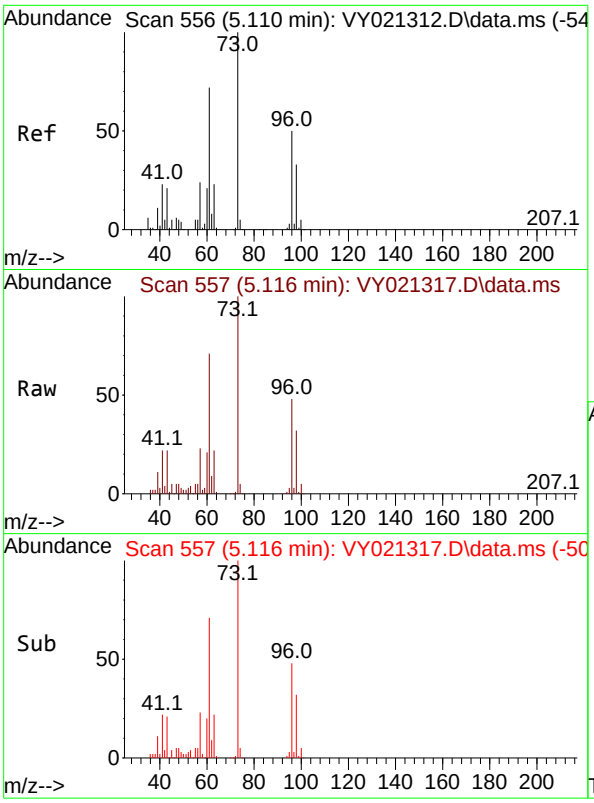


#20
Methylene Chloride
Concen: 51.062 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 84 Resp: 110456

Ion	Ratio	Lower	Upper
84	100		
49	131.2	105.1	157.7
51	38.4	31.0	46.4
86	65.2	48.2	72.4



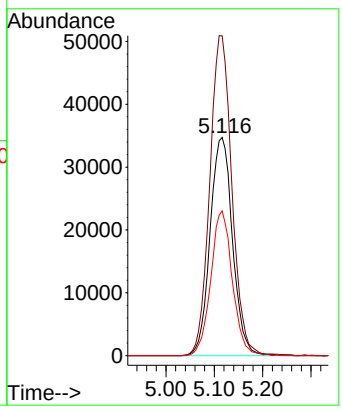


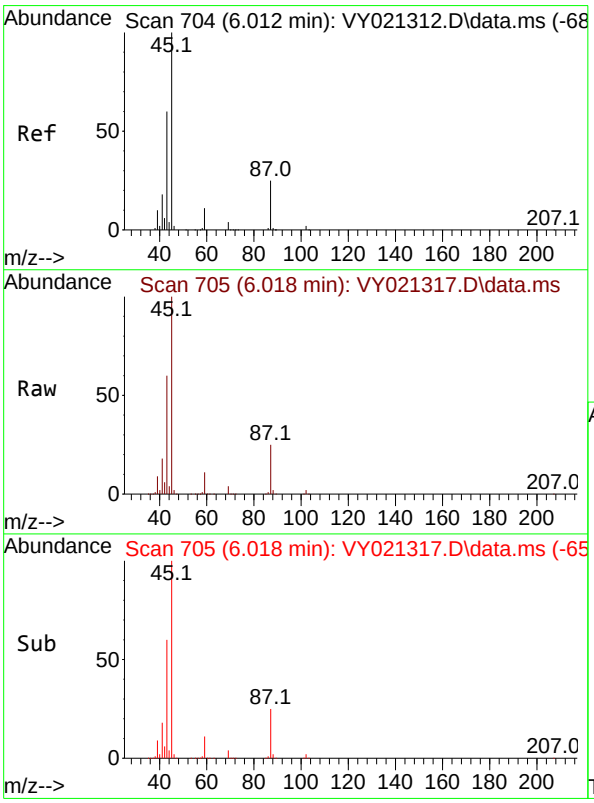
#21
trans-1,2-Dichloroethene
Concen: 55.044 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 96 Resp: 112082

Ion	Ratio	Lower	Upper
96	100		
61	146.6	116.3	174.5
98	66.4	52.6	78.8

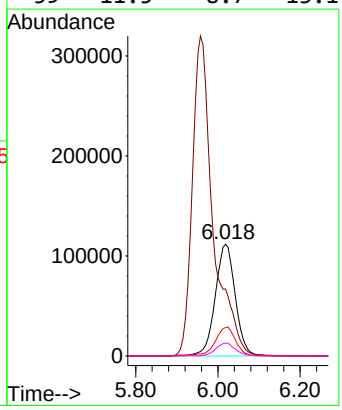


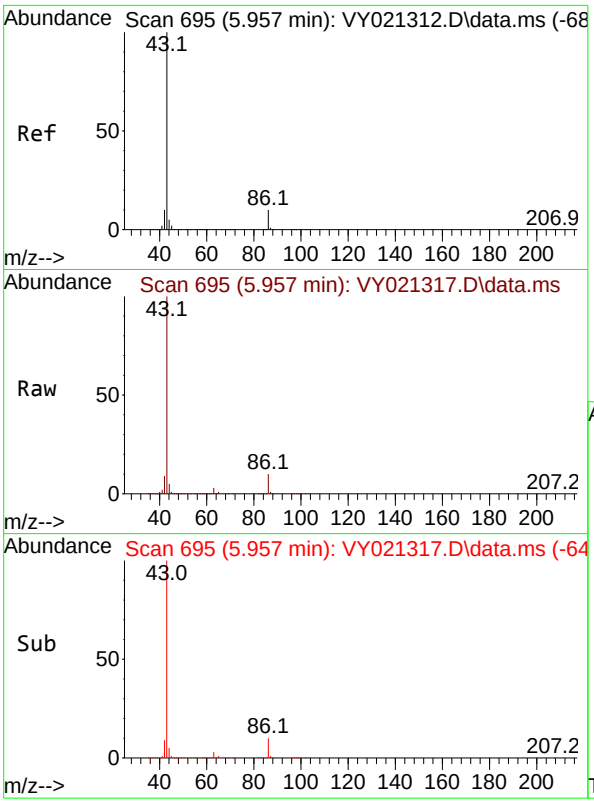


#22
Diisopropyl ether
Concen: 55.595 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 45 Resp: 377281

Ion	Ratio	Lower	Upper
45	100		
43	59.4	48.2	72.4
87	25.4	20.3	30.5
59	11.5	8.7	13.1



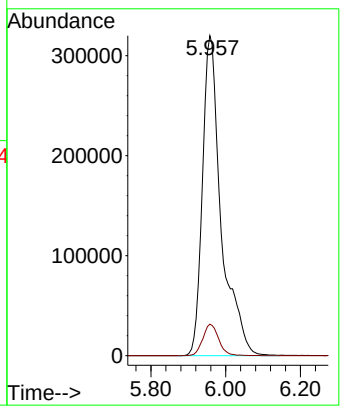


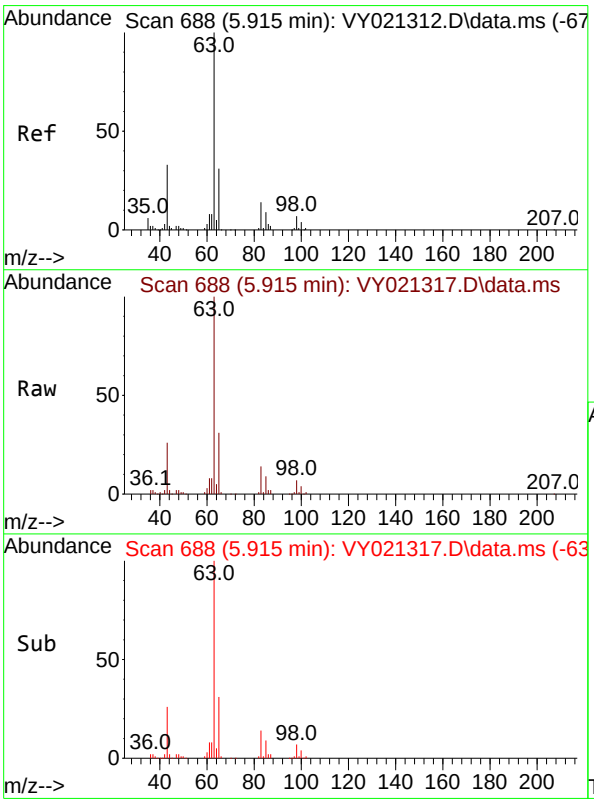
#23
Vinyl Acetate
Concen: 275.197 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 43 Resp: 1116005

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0

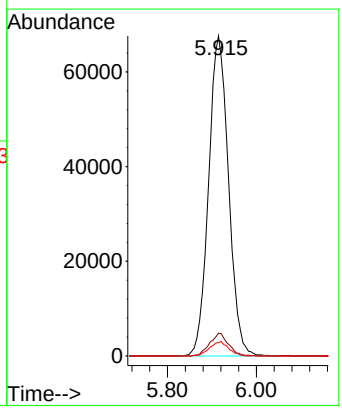


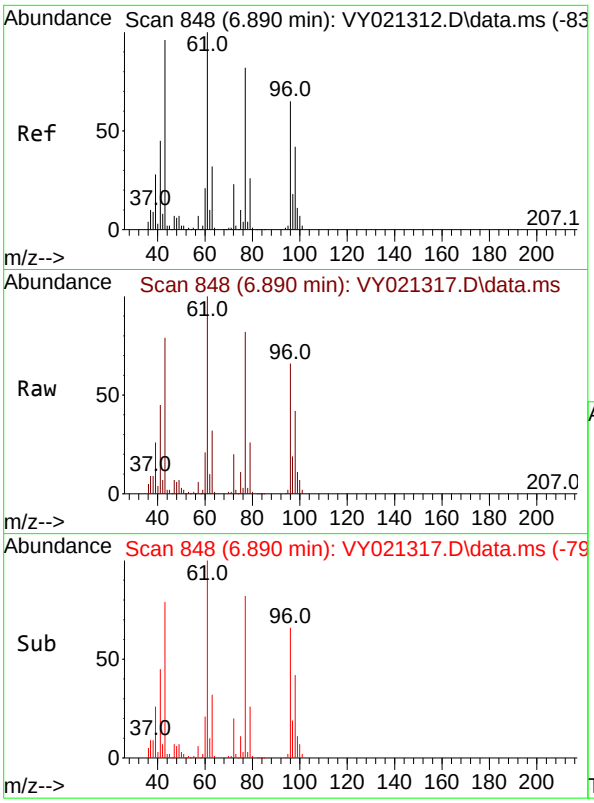


#24
1,1-Dichloroethane
Concen: 55.004 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 210383

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	4.2	2.1	6.5



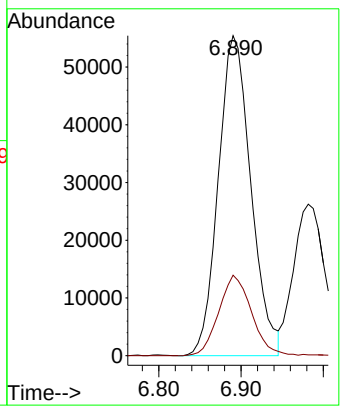


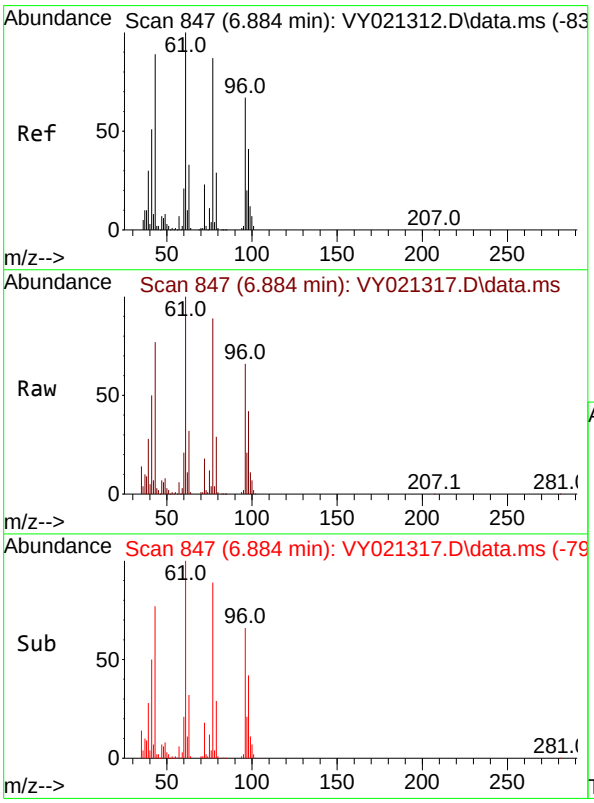
#25
2-Butanone
Concen: 253.246 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 43 Resp: 152895

Ion	Ratio	Lower	Upper
43	100		
72	25.2	19.0	28.6

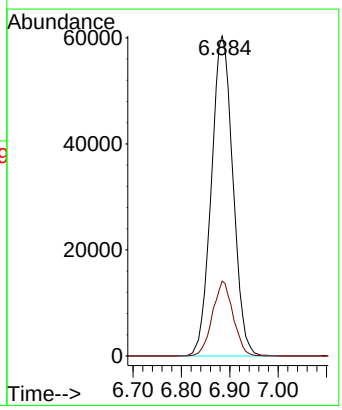


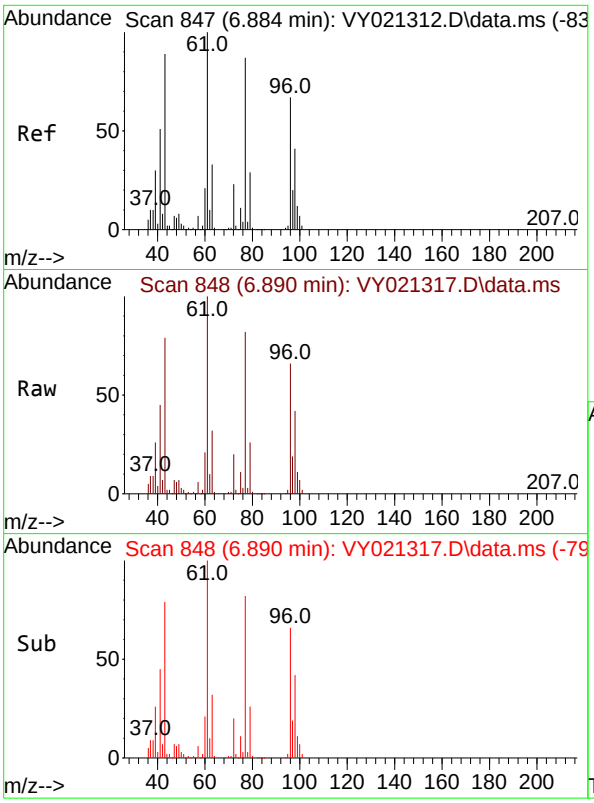


#26
2,2-Dichloropropane
Concen: 53.893 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 77 Resp: 187045

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7



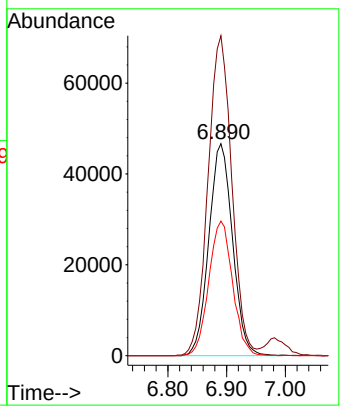


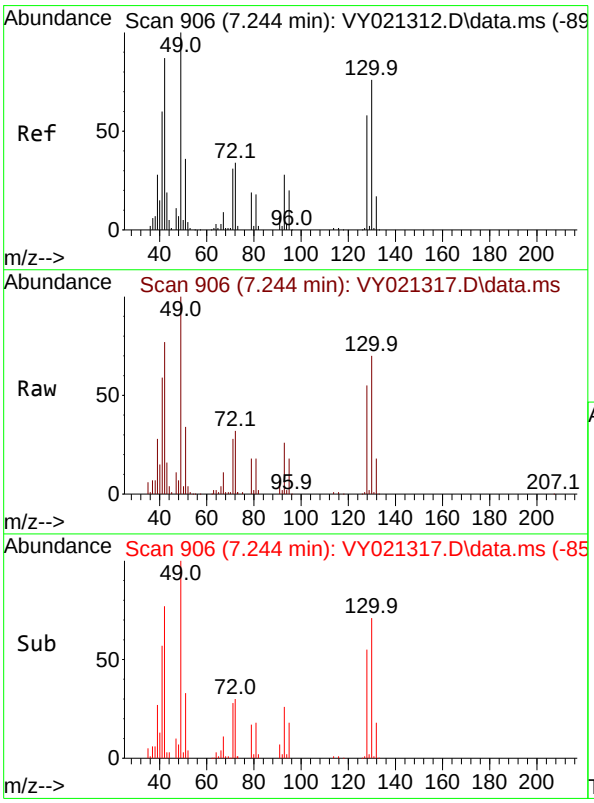
#27
cis-1,2-Dichloroethene
Concen: 56.305 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 96 Resp: 130921

Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	308.0
98	63.7	0.0	129.6

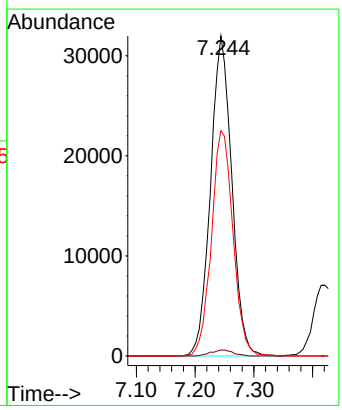


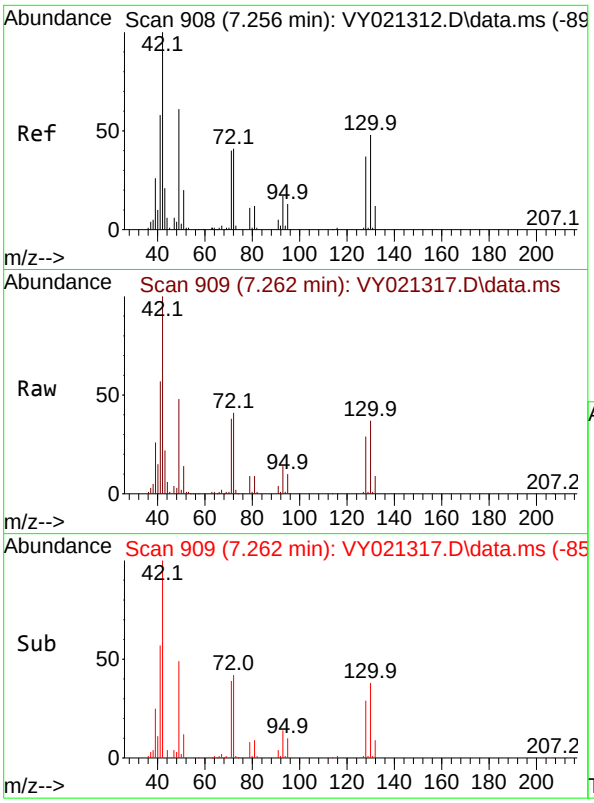


#28
Bromochloromethane
Concen: 47.452 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 49 Resp: 80309

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	71.5	57.8	86.6



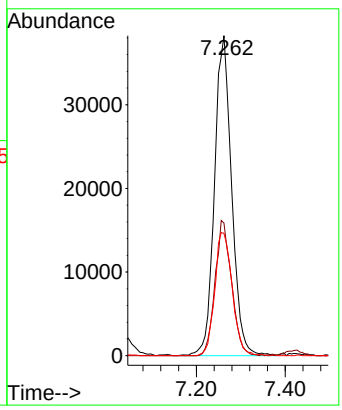


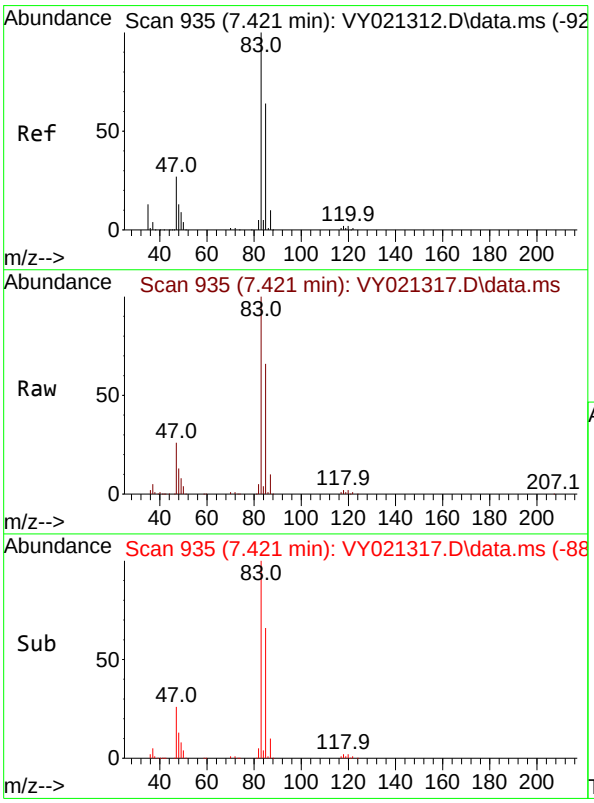
#29
Tetrahydrofuran
Concen: 260.172 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 42 Resp: 102673

Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	39.2	31.4	47.0

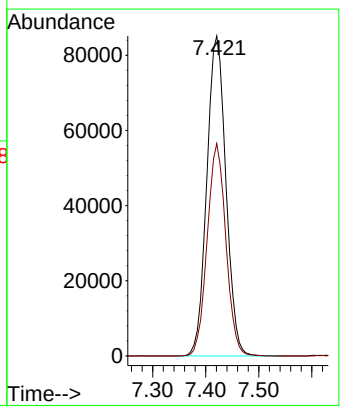


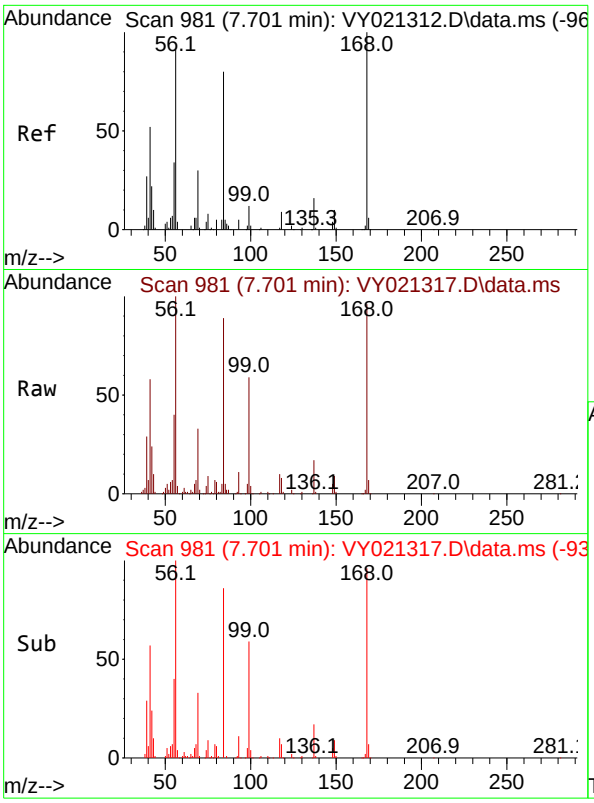


#30
Chloroform
Concen: 55.023 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 83 Resp: 213255

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.6	77.4



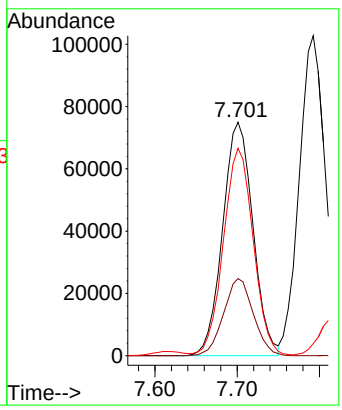


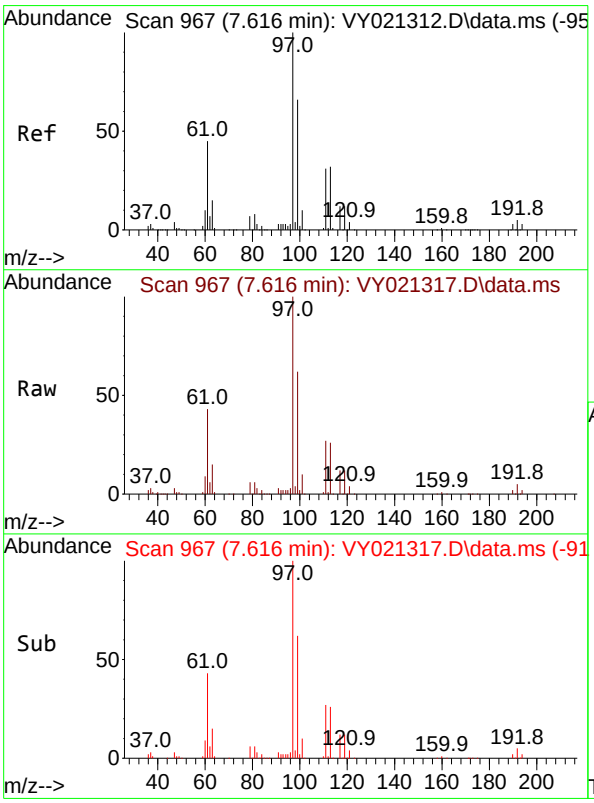
#31
Cyclohexane
Concen: 52.180 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 56 Resp: 191850

Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	87.3	70.2	105.4

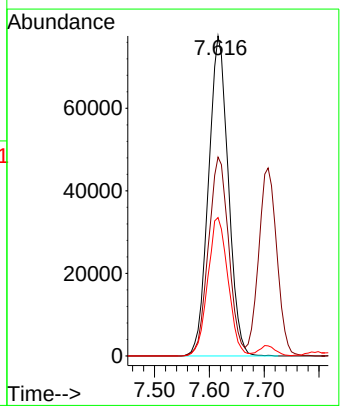


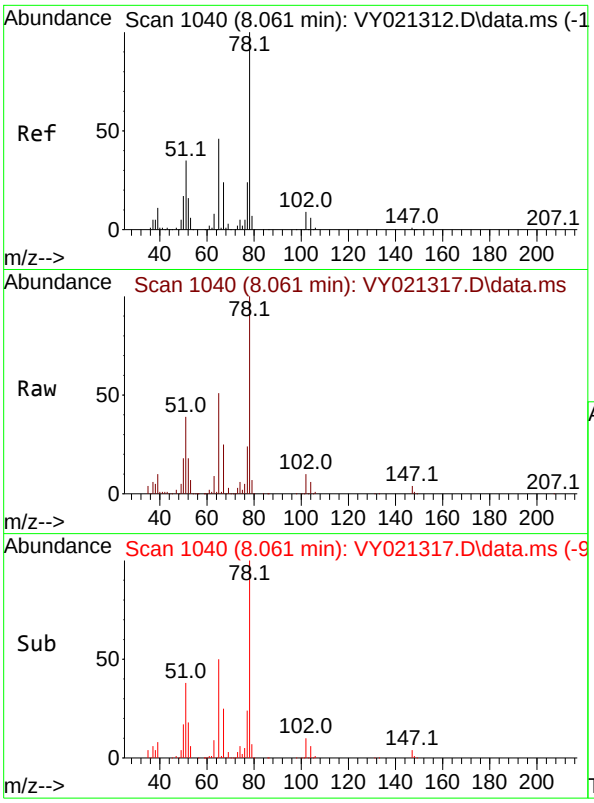


#32
1,1,1-Trichloroethane
Concen: 55.084 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 97 Resp: 194325

Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.4	78.6
61	44.3	36.2	54.2



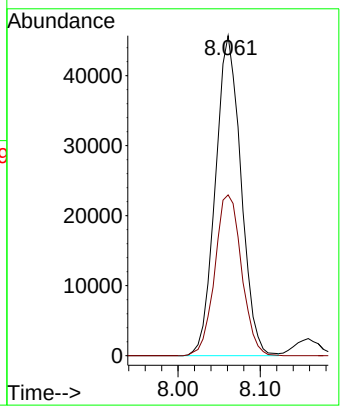


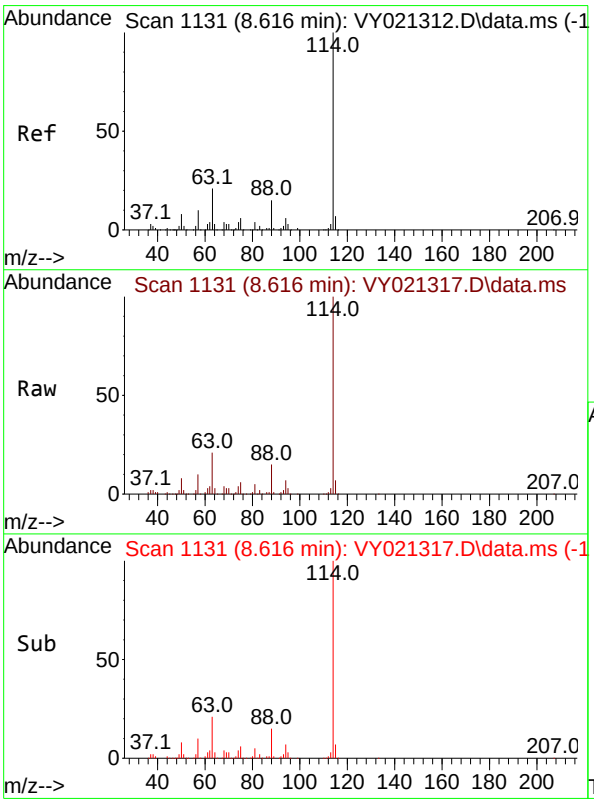
#33
1,2-Dichloroethane-d4
Concen: 47.453 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 65 Resp: 98960

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.6

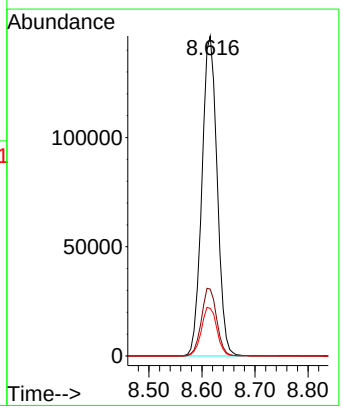


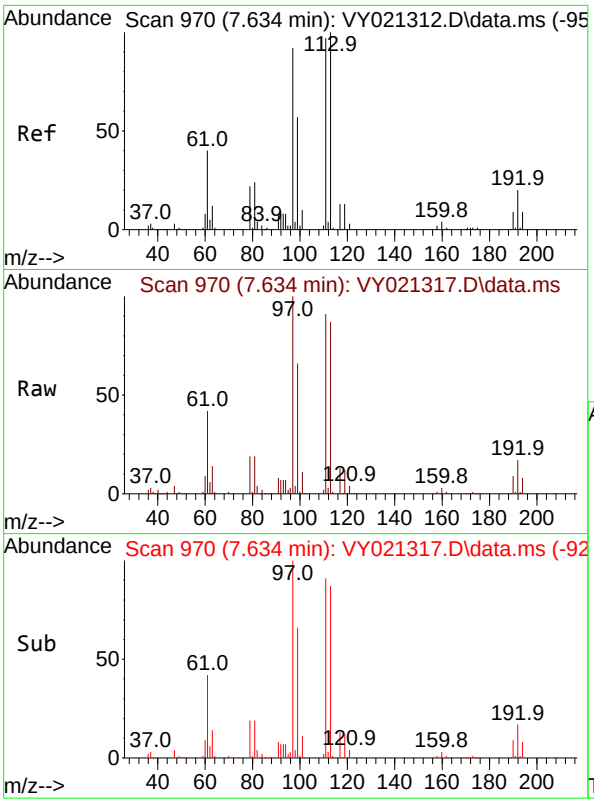


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:114 Resp: 292214

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.2
88	14.9	0.0	29.8



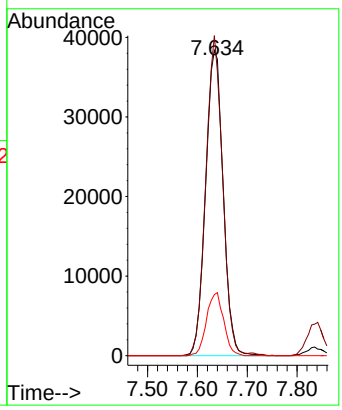


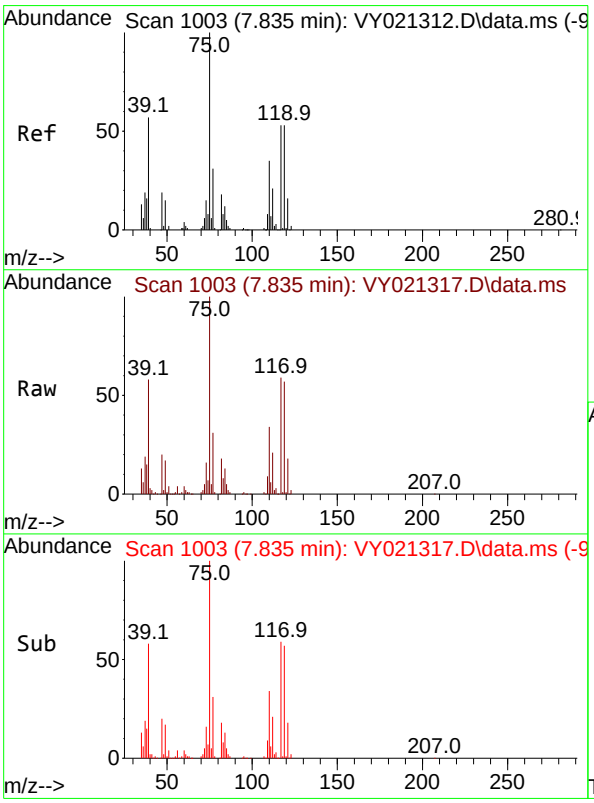
#35
Dibromofluoromethane
Concen: 49.037 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:113 Resp: 93944

Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.0	121.6
192	20.1	15.8	23.8

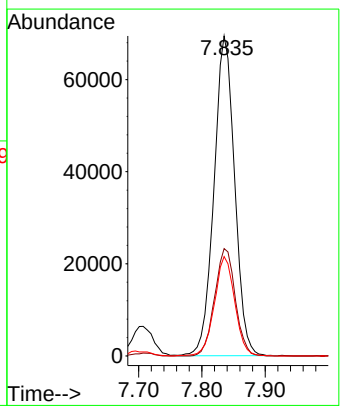


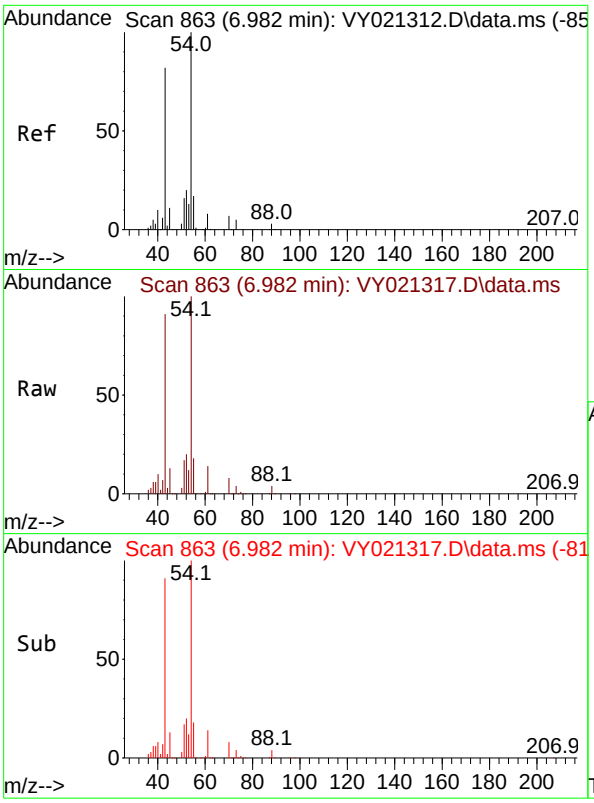


#36
1,1-Dichloropropene
Concen: 54.593 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 157102

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	30.7	24.6	36.8



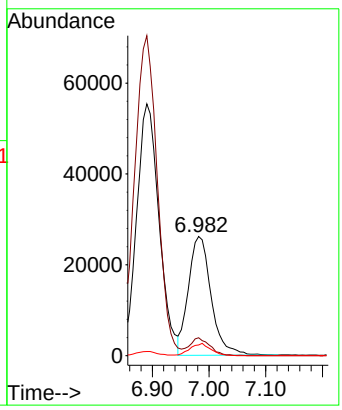


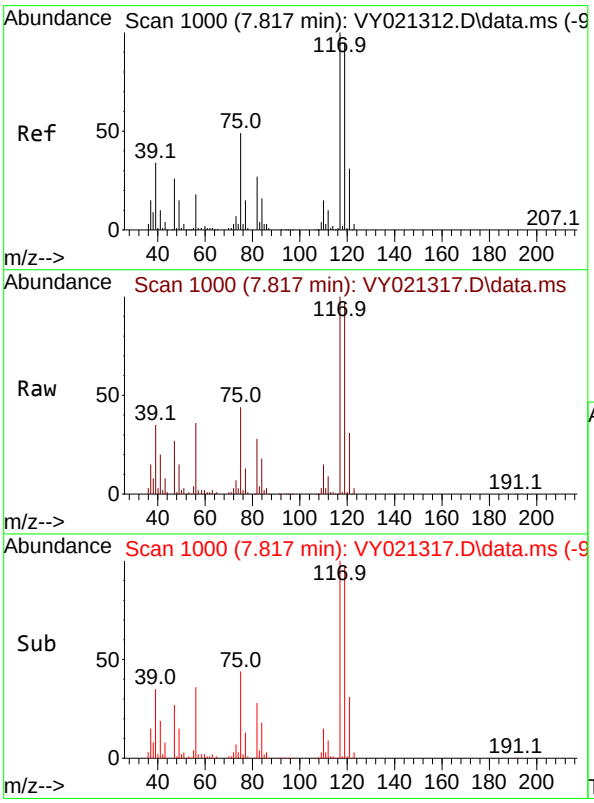
#37
Ethyl Acetate
Concen: 50.864 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 43 Resp: 72810

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	9.4	7.5	11.3

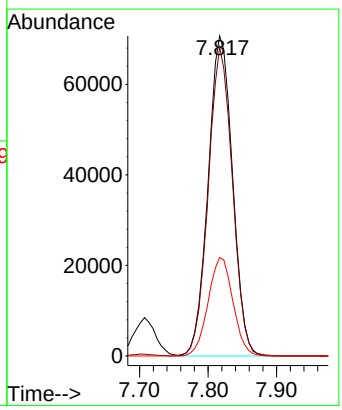


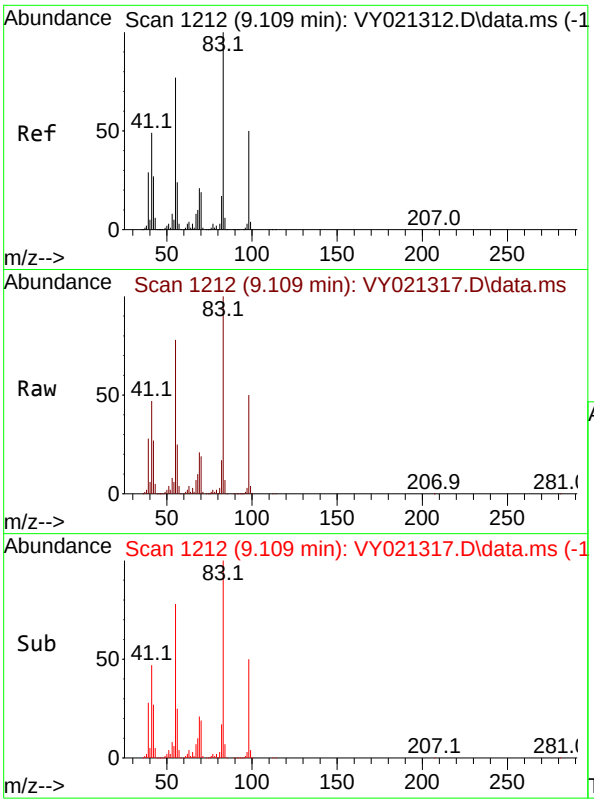


#38
Carbon Tetrachloride
Concen: 54.157 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 175208

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.0	114.0
121	30.8	24.9	37.3



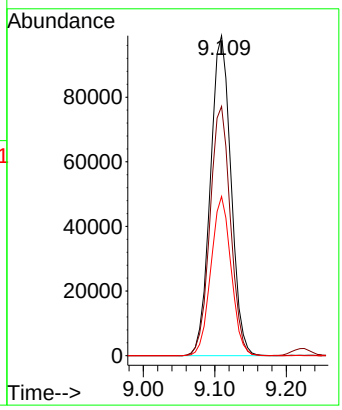


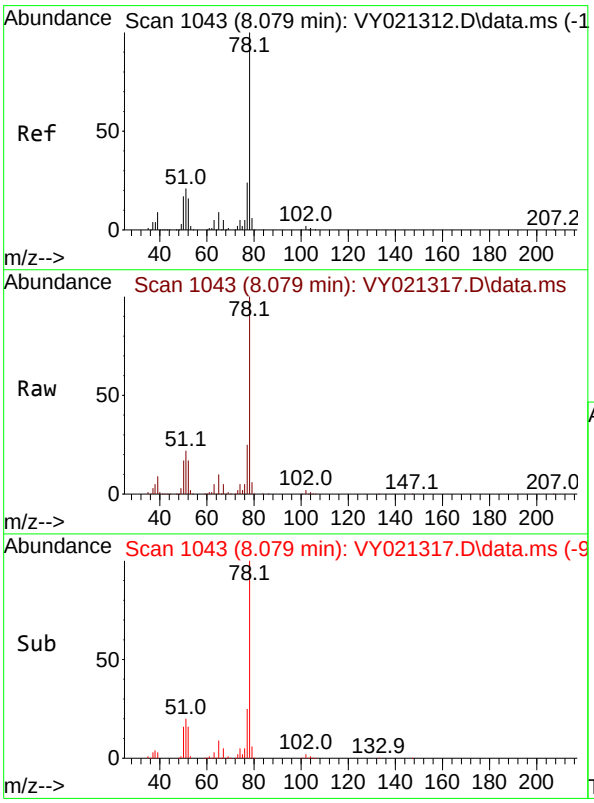
#39
Methylcyclohexane
Concen: 54.397 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 83 Resp: 197993

Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.3	91.9
98	49.7	39.9	59.9

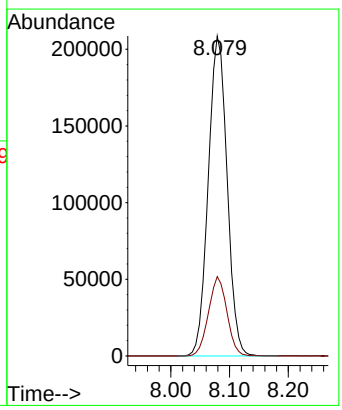


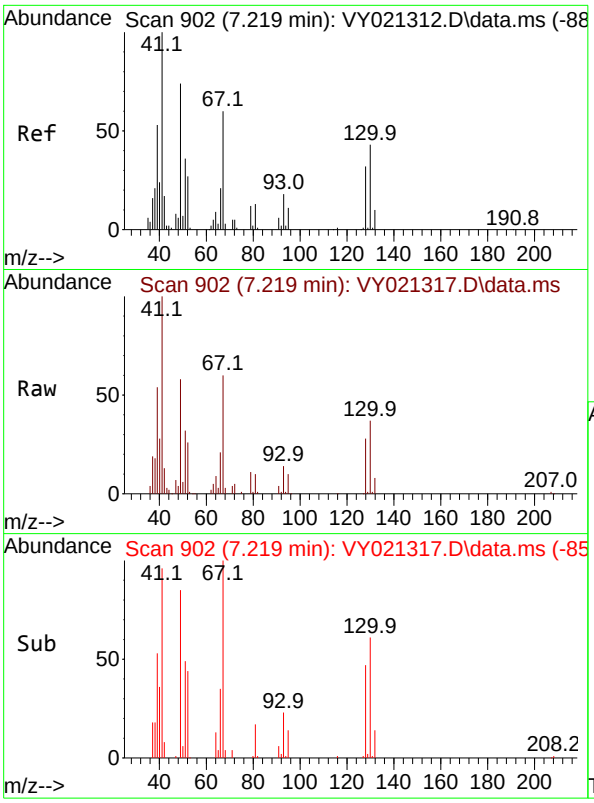


#40
Benzene
Concen: 54.583 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 78 Resp: 464323

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8



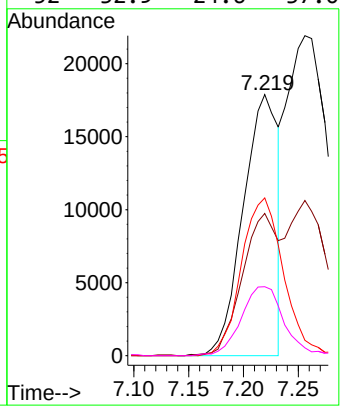


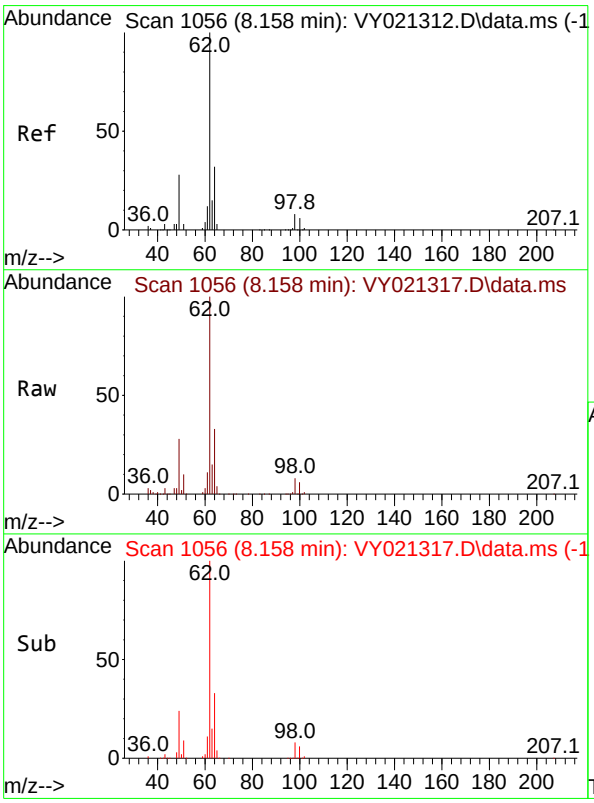
#41
Methacrylonitrile
Concen: 49.244 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 41 Resp: 39412

Ion	Ratio	Lower	Upper
41	100		
39	54.9	42.3	63.5
67	73.3	54.8	82.2
52	32.9	24.6	37.0

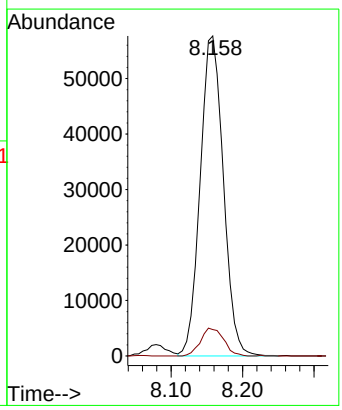


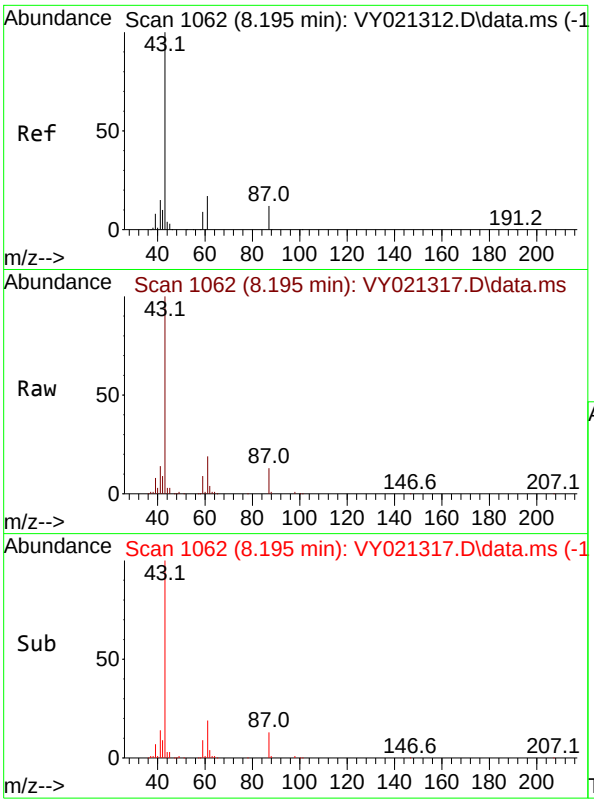


#42
1,2-Dichloroethane
Concen: 53.746 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 62 Resp: 129718

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6



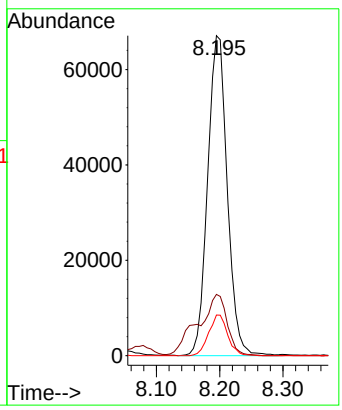


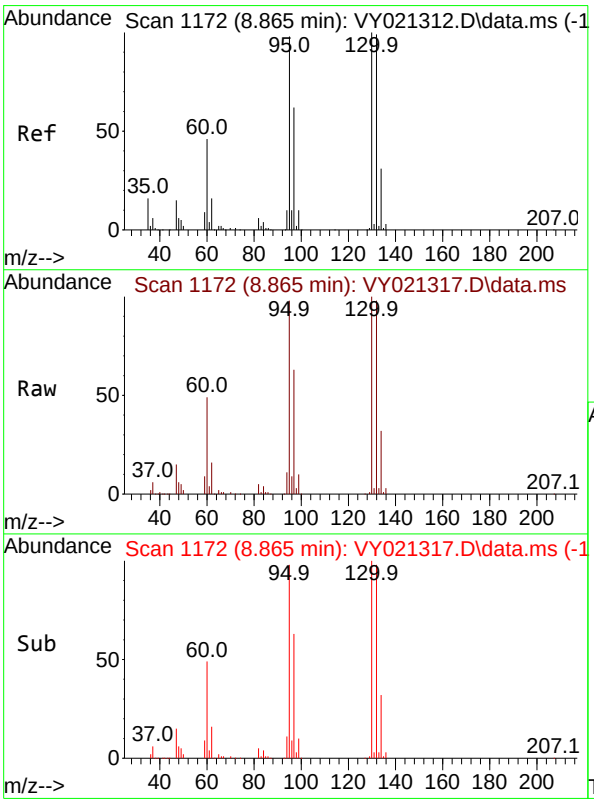
#43
Isopropyl Acetate
Concen: 52.380 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 43 Resp: 145128

Ion	Ratio	Lower	Upper
43	100		
61	28.5	15.0	22.6#
87	12.3	10.0	15.0

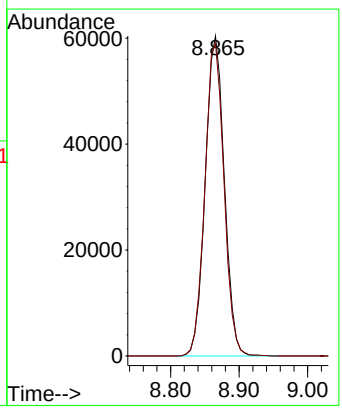


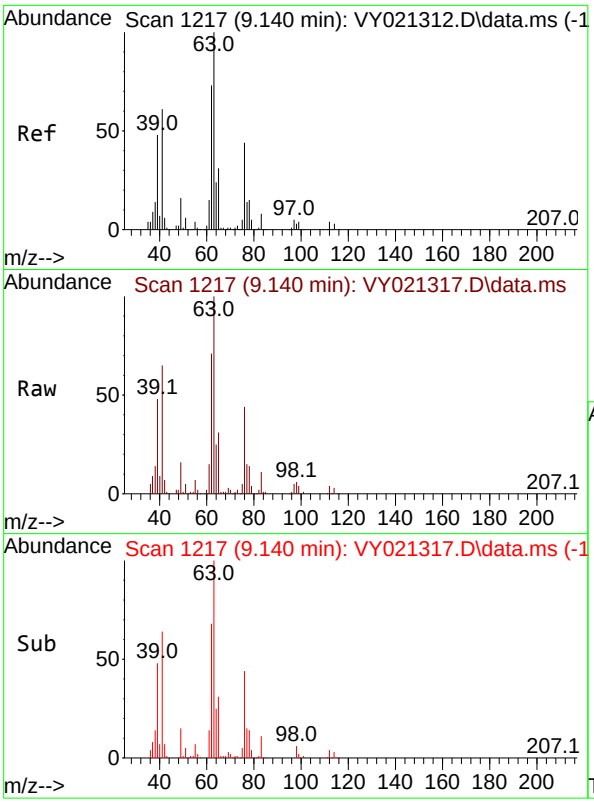


#44
Trichloroethene
Concen: 54.930 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:130 Resp: 116988

Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	196.0



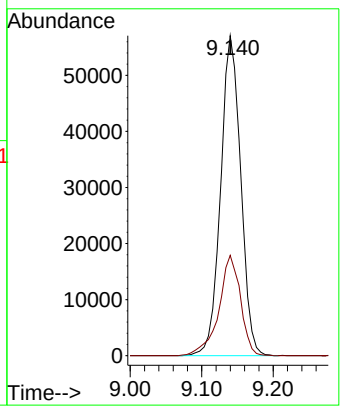


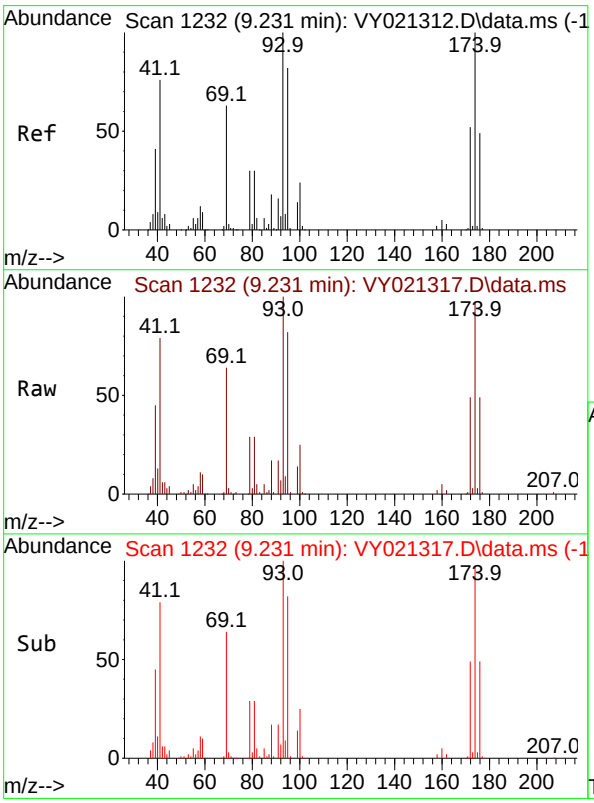
#45
1,2-Dichloropropane
Concen: 54.464 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 63 Resp: 111498

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8

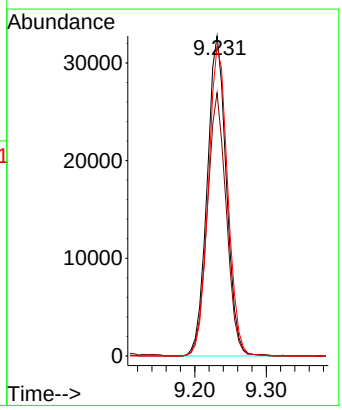


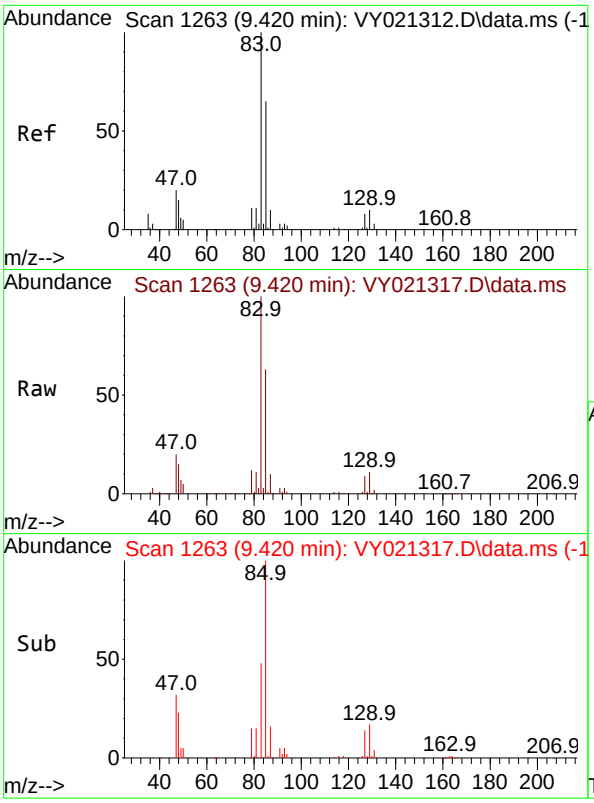


#46
Dibromomethane
Concen: 54.539 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 93 Resp: 61031

Ion	Ratio	Lower	Upper
93	100		
95	81.4	66.4	99.6
174	98.0	78.2	117.2



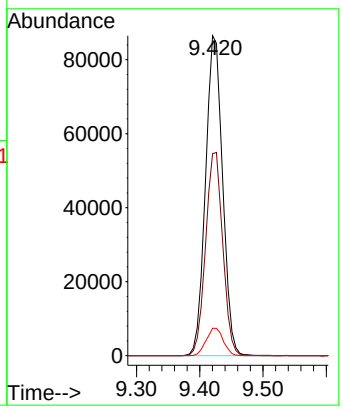


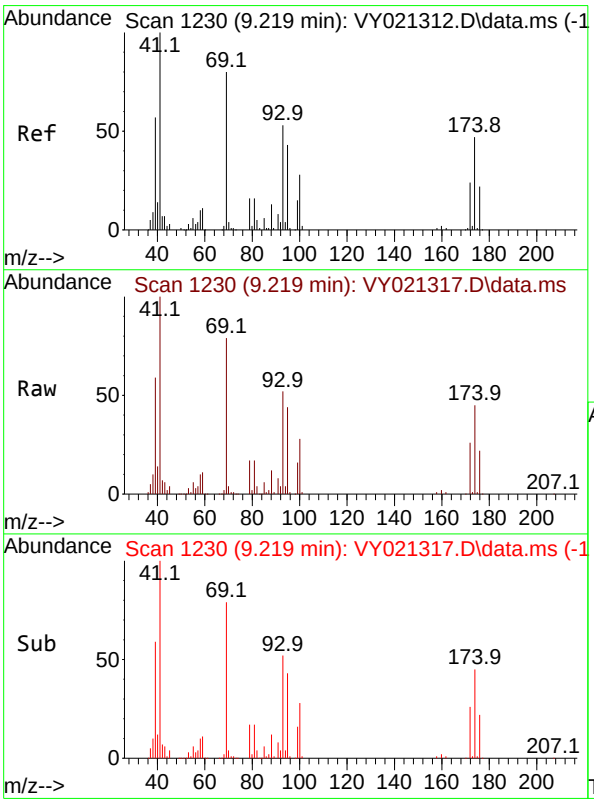
#47
Bromodichloromethane
Concen: 54.489 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 83 Resp: 162580

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8
127	8.5	6.7	10.1

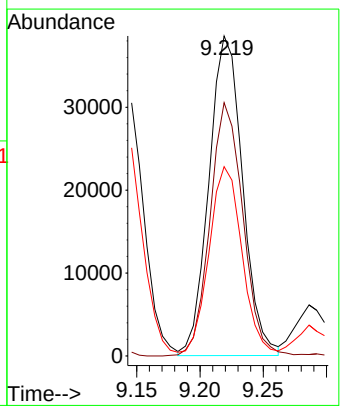


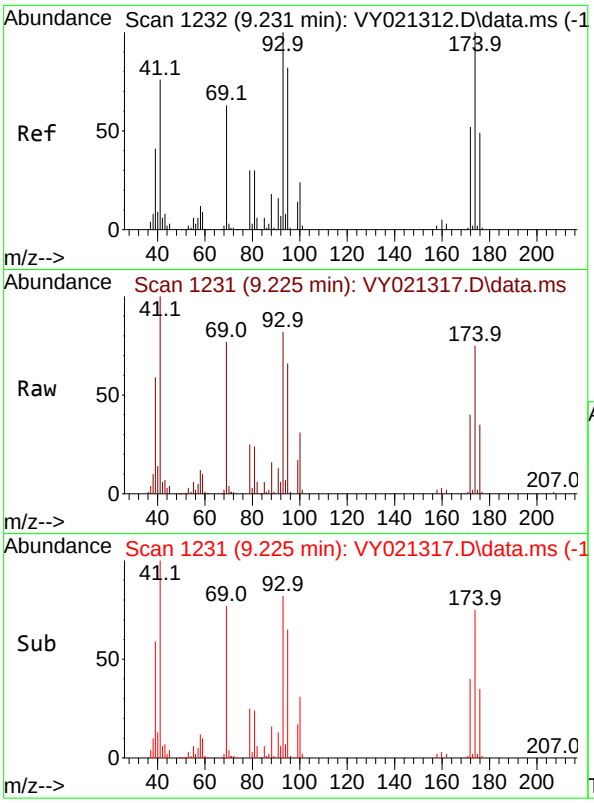


#48
Methyl methacrylate
Concen: 55.076 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 41 Resp: 71360

Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.3	94.9
39	56.2	45.0	67.6



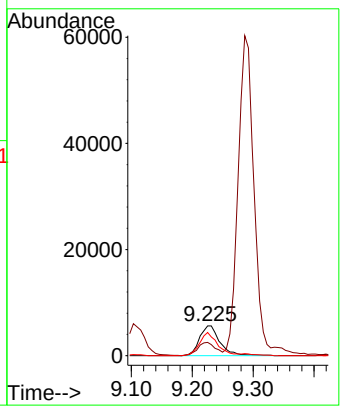


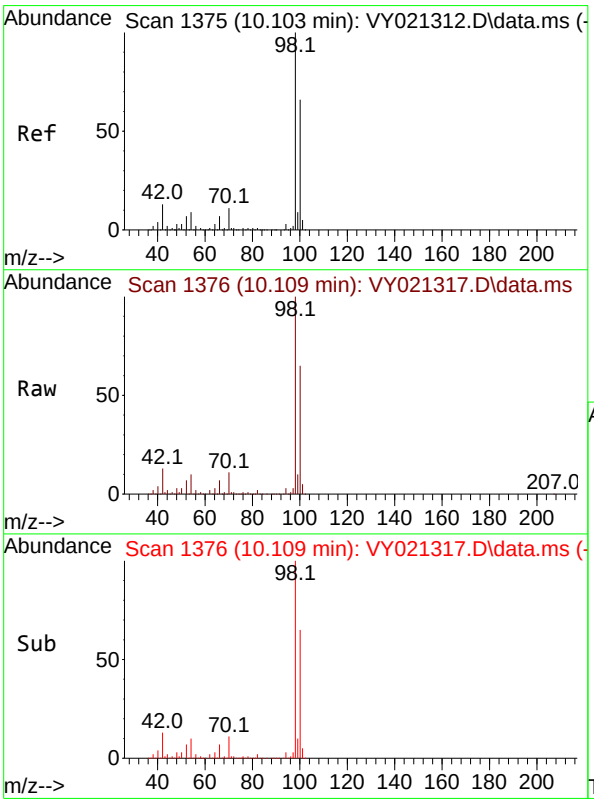
#49
1,4-Dioxane
Concen: 1053.076 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 88 Resp: 13103

Ion	Ratio	Lower	Upper
88	100		
43	39.5	34.8	52.2
58	69.6	59.8	89.6

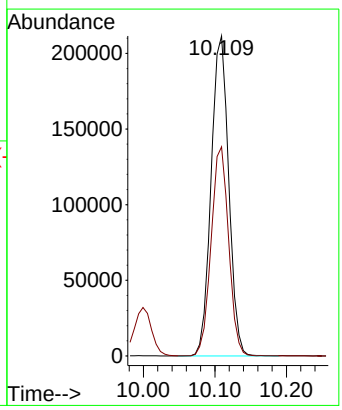


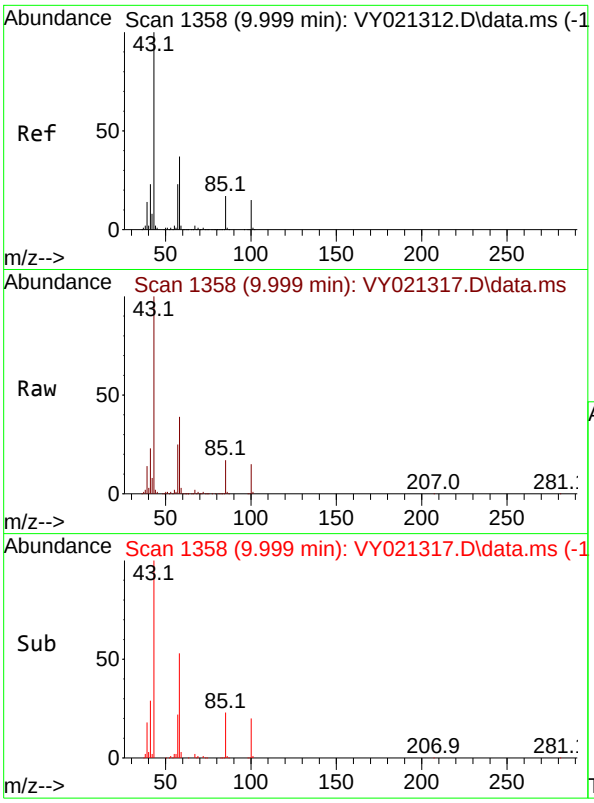


#50
Toluene-d8
Concen: 48.694 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 98 Resp: 360528

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6



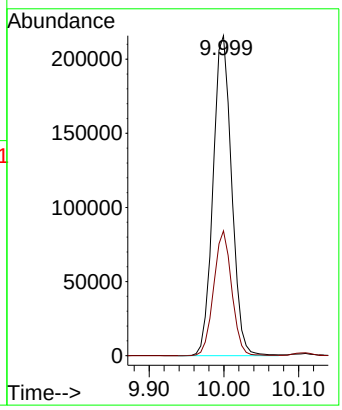


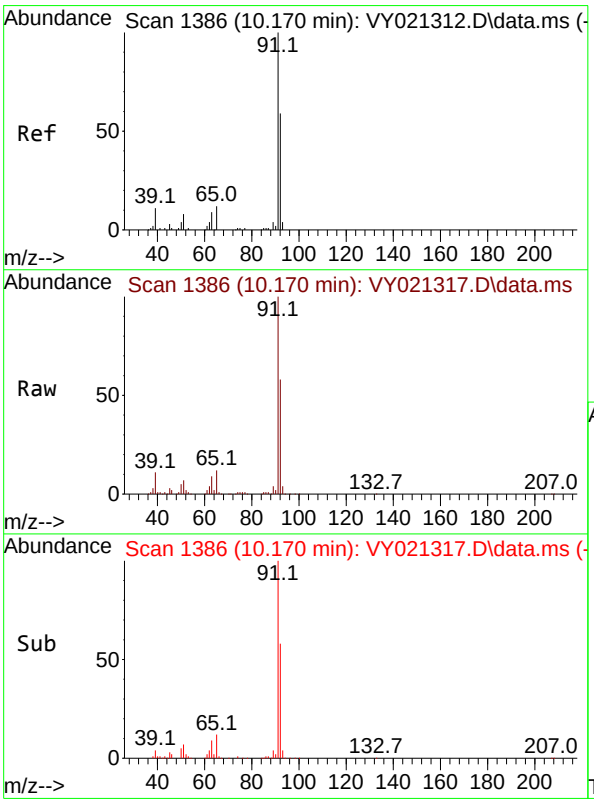
#51
4-Methyl-2-Pentanone
Concen: 262.628 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 43 Resp: 372486

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.1	45.1

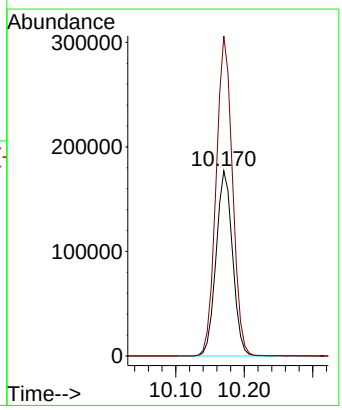


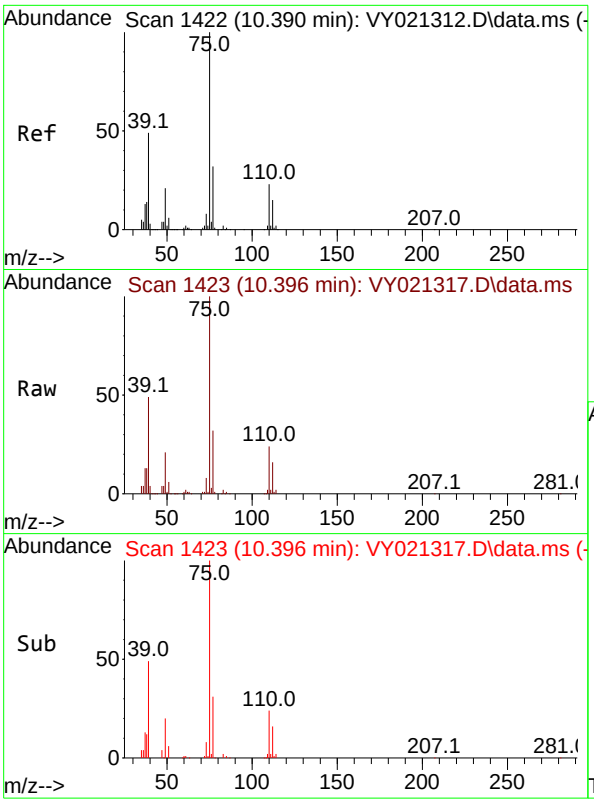


#52
Toluene
Concen: 55.674 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 92 Resp: 294219

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.8	206.8



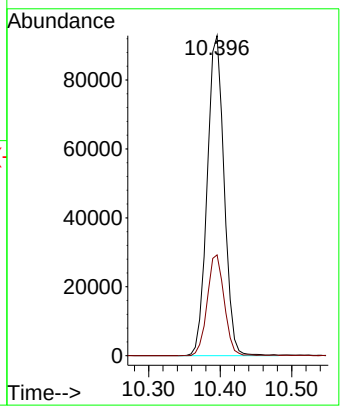


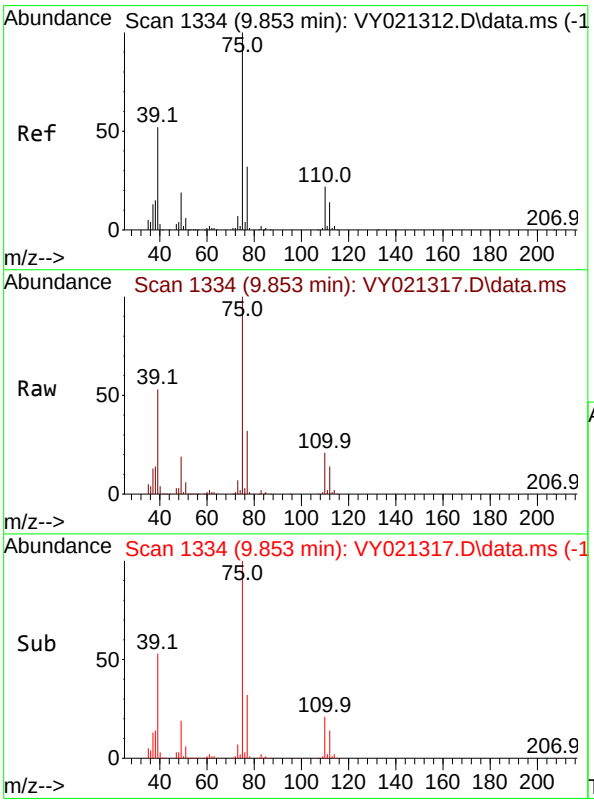
#53
t-1,3-Dichloropropene
Concen: 55.699 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 75 Resp: 152263

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9

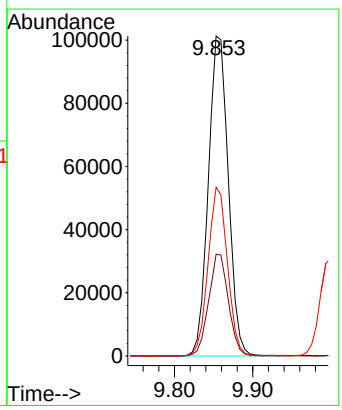


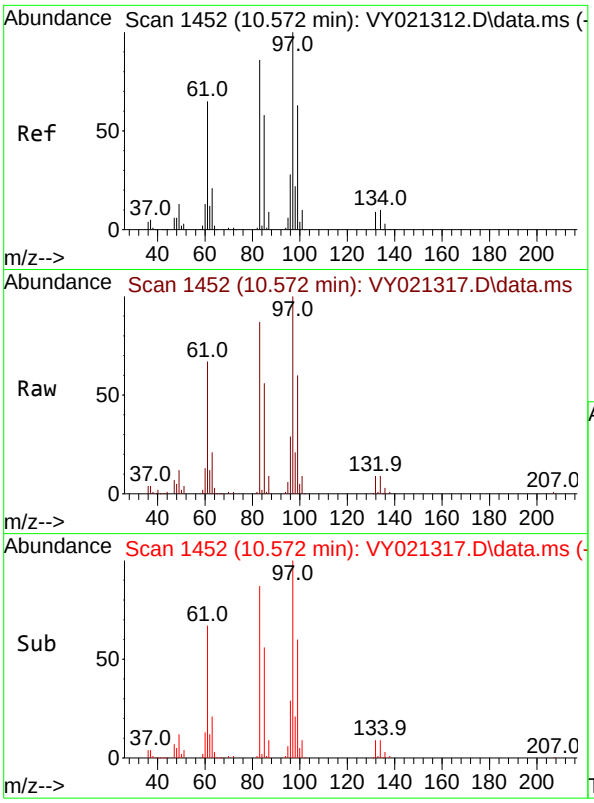


#54
cis-1,3-Dichloropropene
Concen: 55.451 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 178951

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	52.6	41.8	62.6



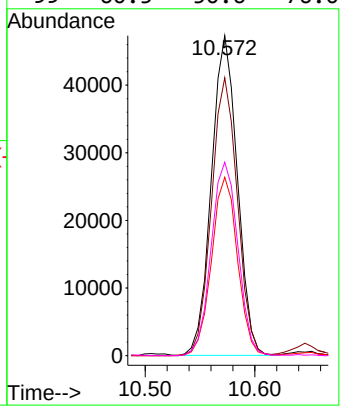


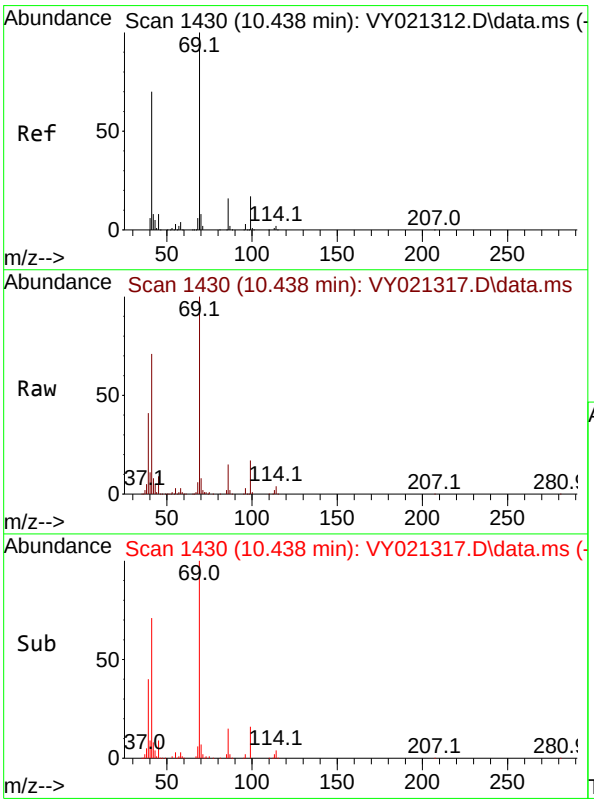
#55
1,1,2-Trichloroethane
Concen: 53.263 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 97 Resp: 77645

Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.7	103.1
85	55.7	46.3	69.5
99	60.5	50.6	76.0

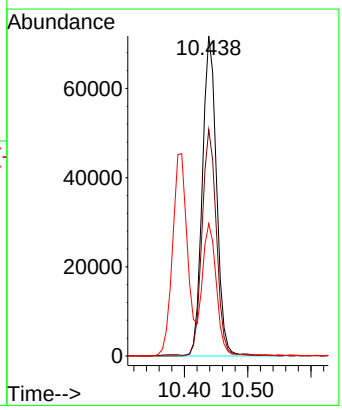


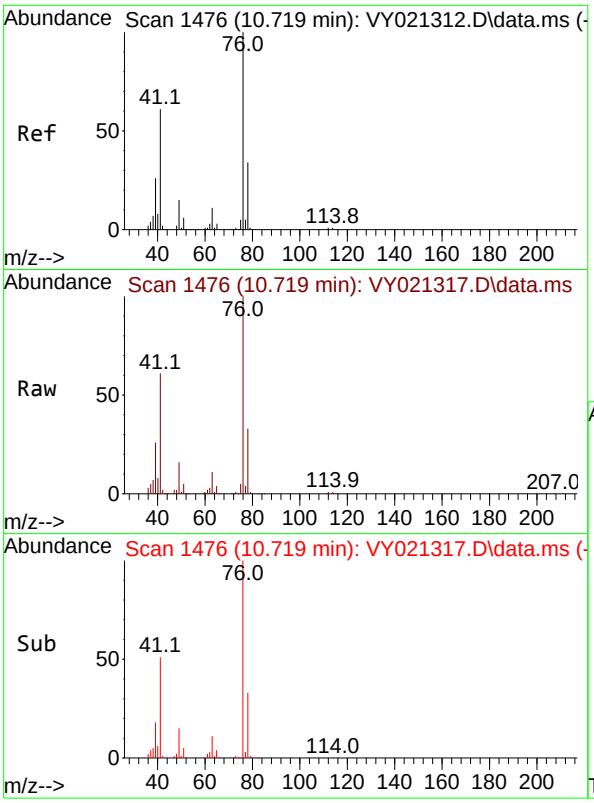


#56
Ethyl methacrylate
Concen: 55.679 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 69 Resp: 112155

Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.2	84.4
39	39.6	32.7	49.1



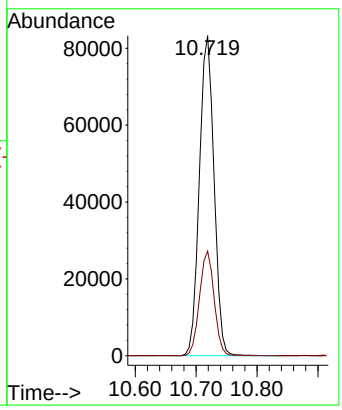


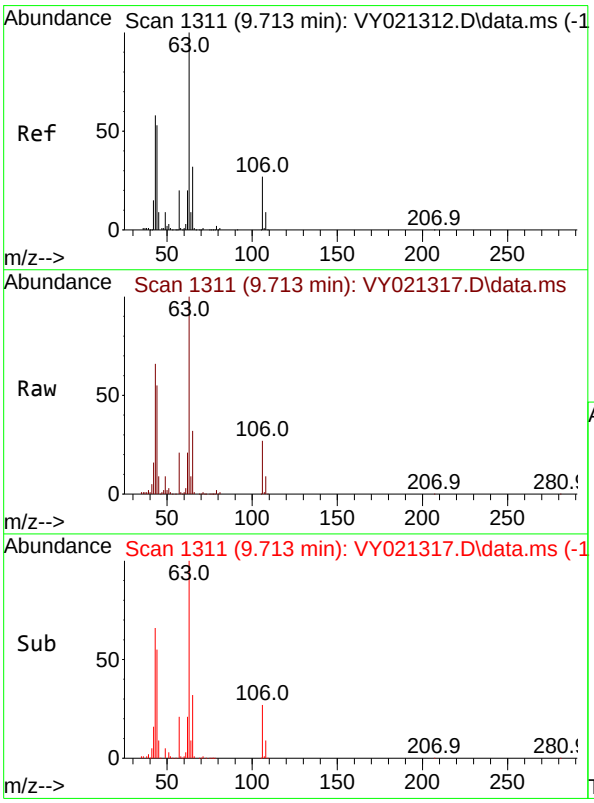
#57
1,3-Dichloropropane
Concen: 54.438 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 76 Resp: 139257

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9

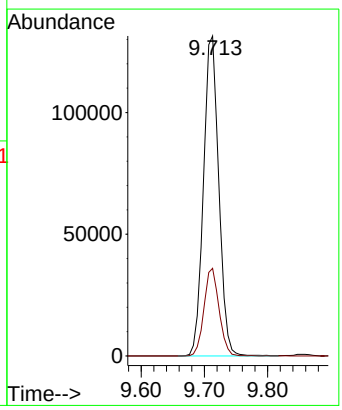


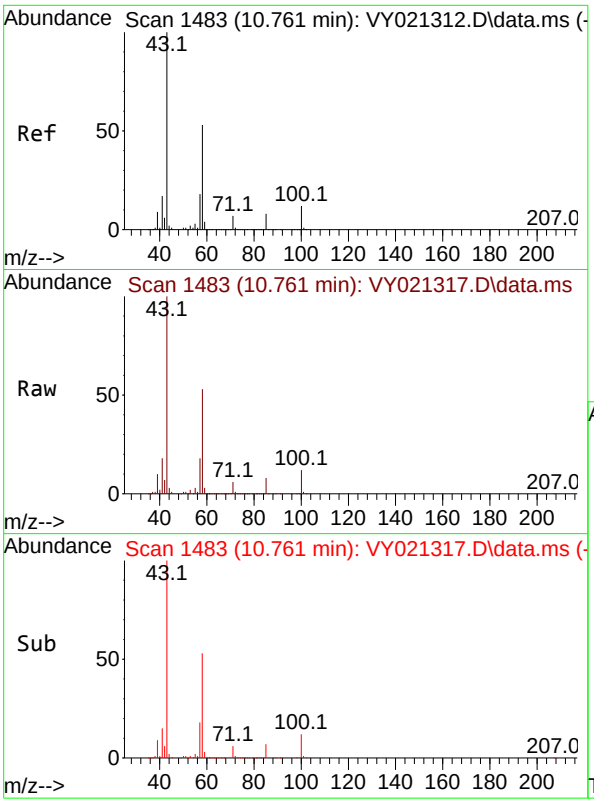


#58
2-Chloroethyl Vinyl ether
Concen: 228.990 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 63 Resp: 221395

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.7	32.5



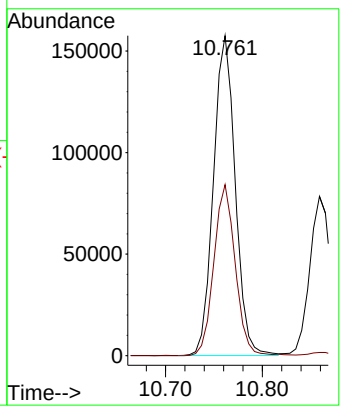


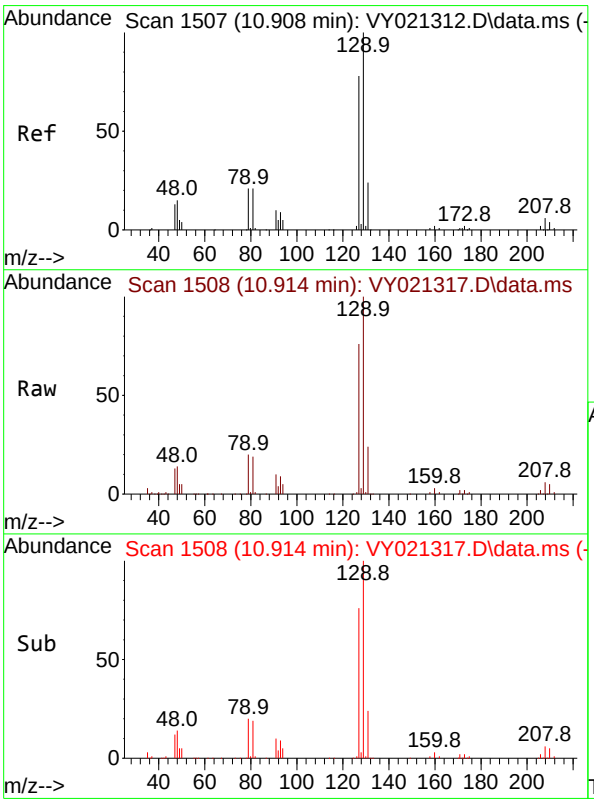
#59
2-Hexanone
Concen: 264.133 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 43 Resp: 246032

Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.9	77.6

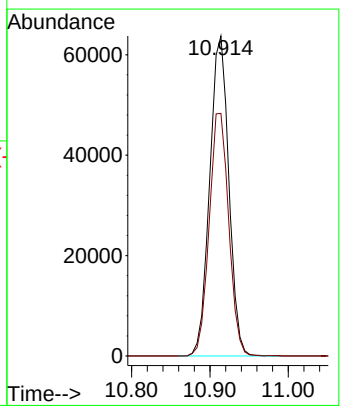


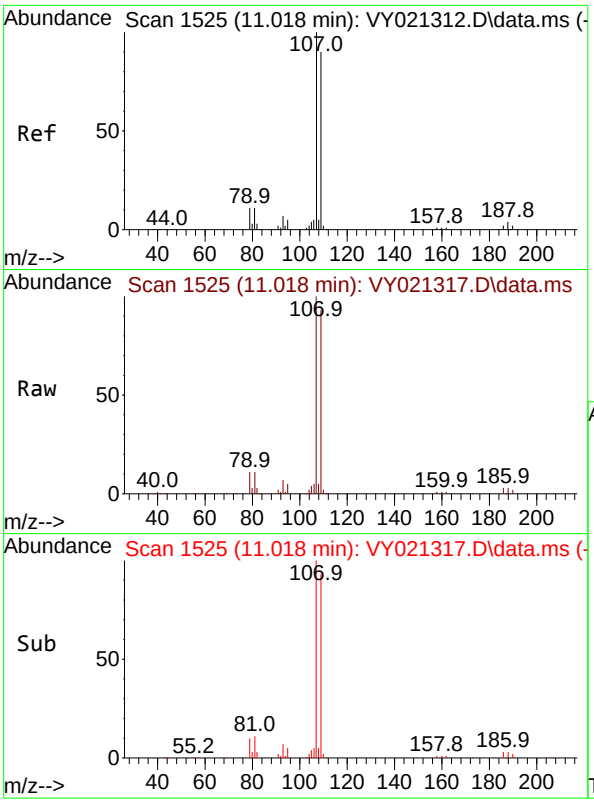


#60
Dibromochloromethane
Concen: 54.329 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:129 Resp: 107866

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4



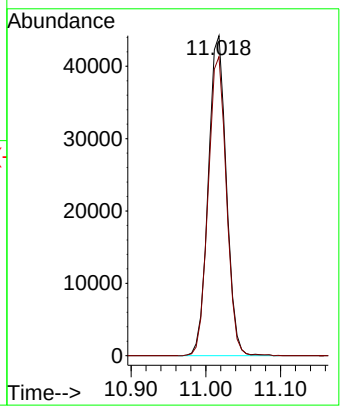


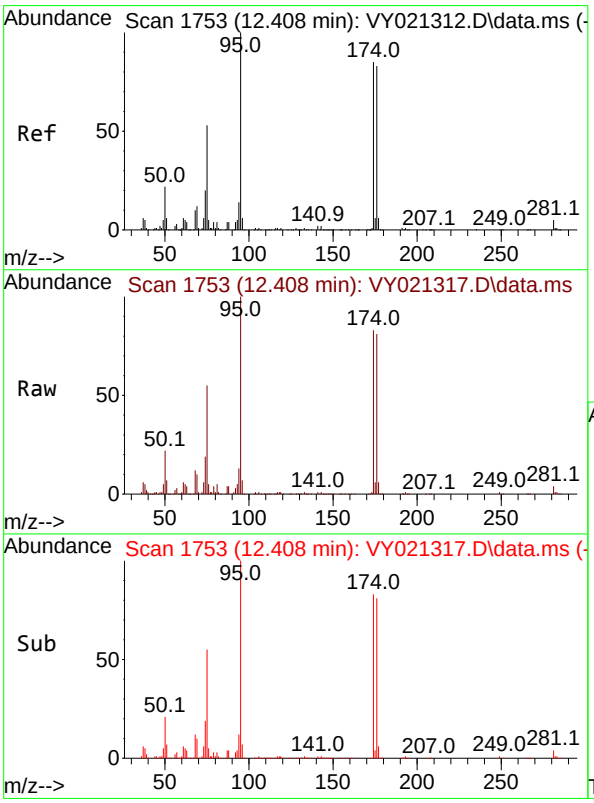
#61
1,2-Dibromoethane
Concen: 53.942 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:107 Resp: 74447

Ion	Ratio	Lower	Upper
107	100		
109	94.1	73.8	110.8

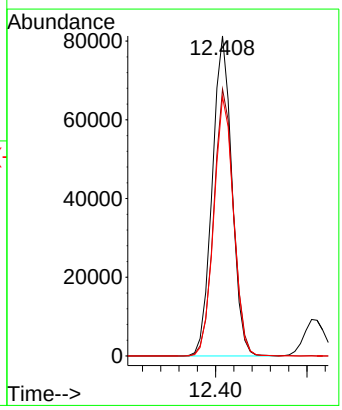


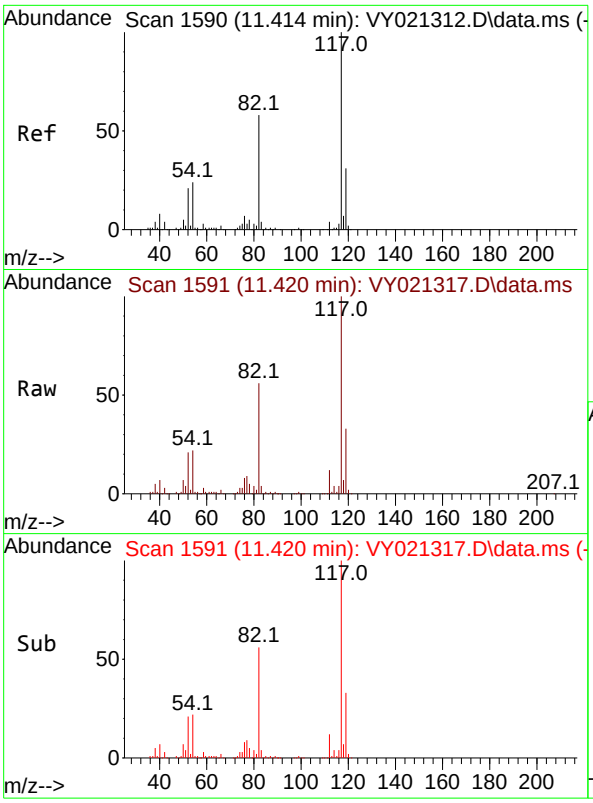


#62
4-Bromofluorobenzene
Concen: 48.549 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 95 Resp: 120972

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	168.0
176	81.4	0.0	162.6



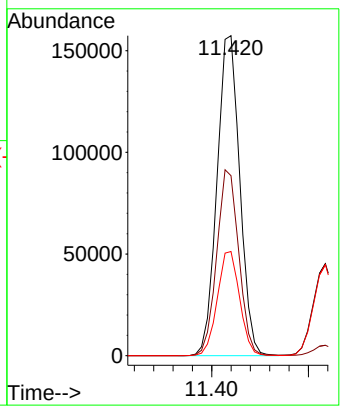


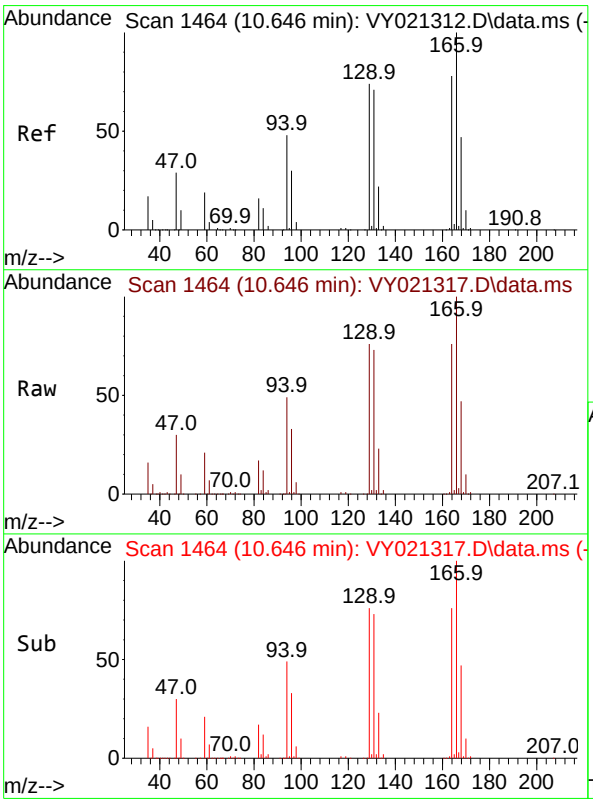
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:117 Resp: 257123

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.2	69.4
119	32.5	24.9	37.3

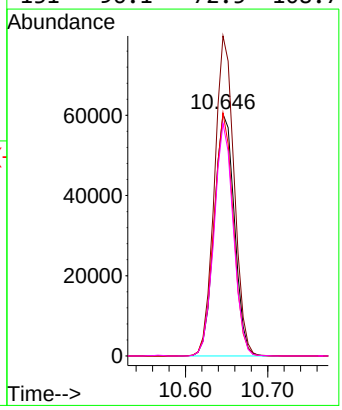


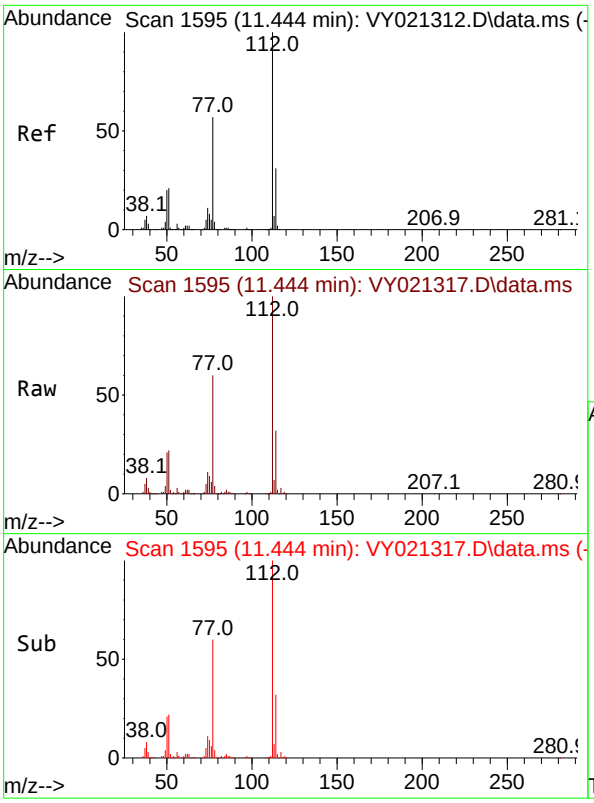


#64
Tetrachloroethene
Concen: 52.940 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:164 Resp: 102887

Ion	Ratio	Lower	Upper
164	100		
166	132.2	101.9	152.9
129	100.4	75.5	113.3
131	96.1	72.5	108.7



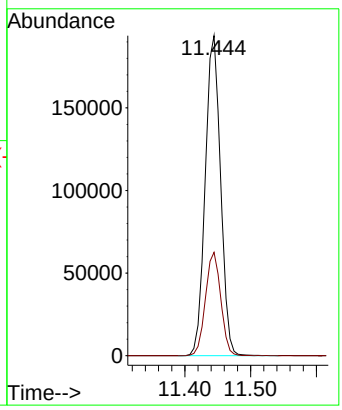


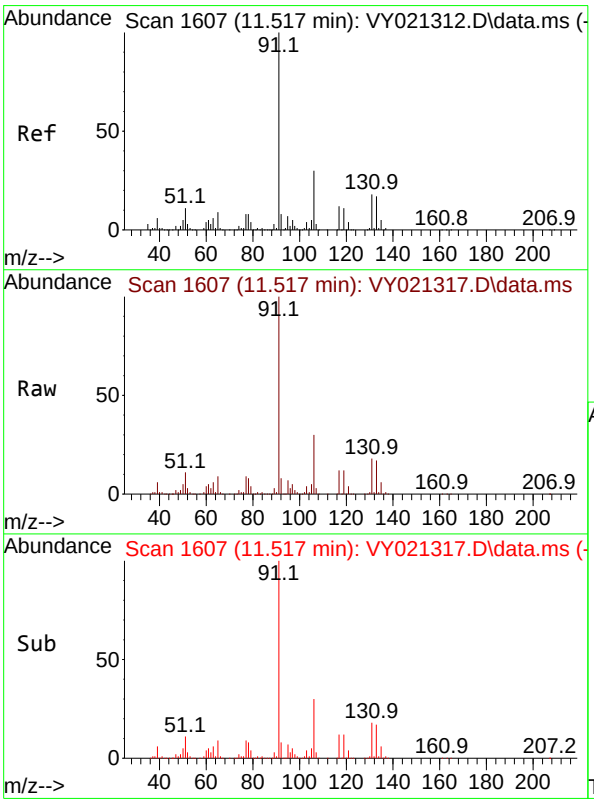
#65
Chlorobenzene
Concen: 54.410 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:112 Resp: 314040

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.6

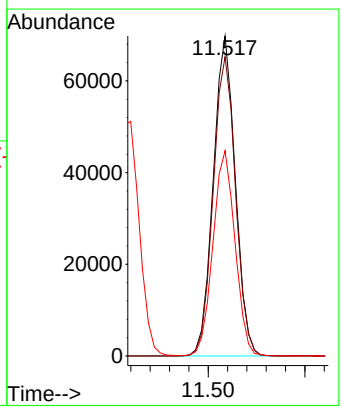


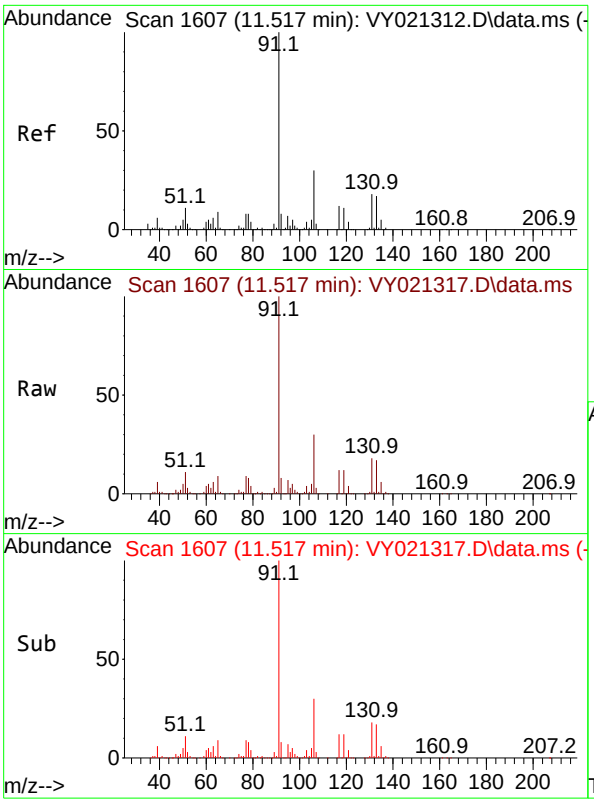


#66
1,1,1,2-Tetrachloroethane
Concen: 54.517 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:131 Resp: 110179

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.9	143.6
119	64.3	31.7	95.1



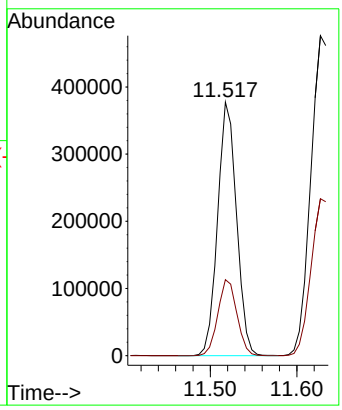


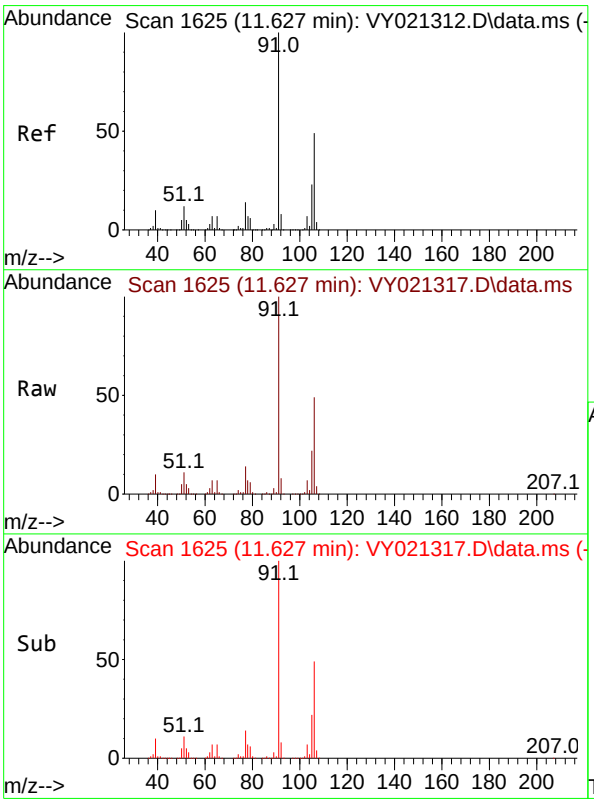
#67
Ethyl Benzene
Concen: 55.992 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 91 Resp: 572425

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.4	36.6

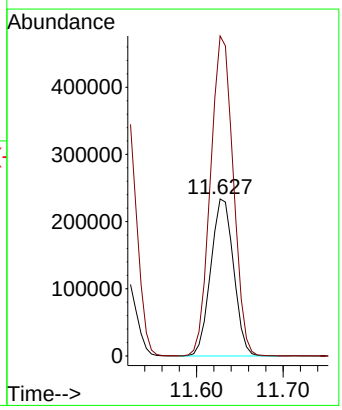


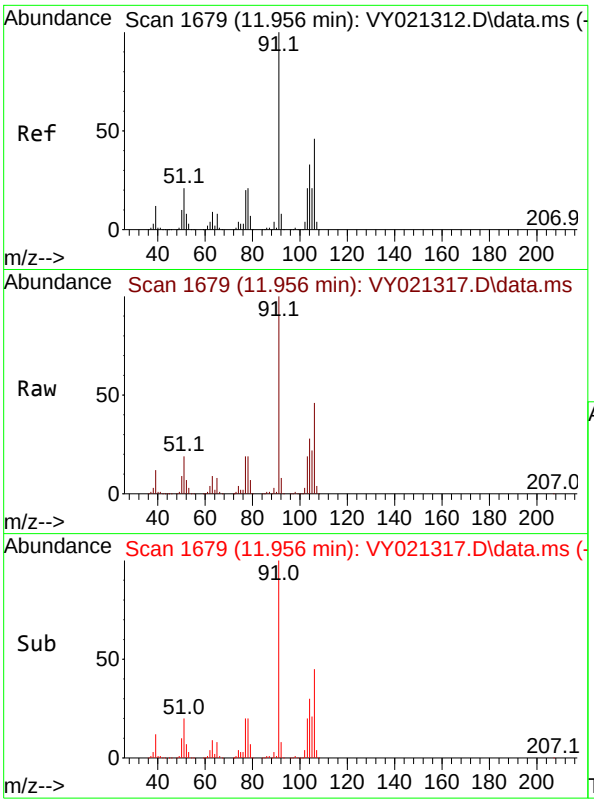


#68
m/p-Xylenes
Concen: 111.274 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:106 Resp: 427892

Ion	Ratio	Lower	Upper
106	100		
91	203.4	163.9	245.9



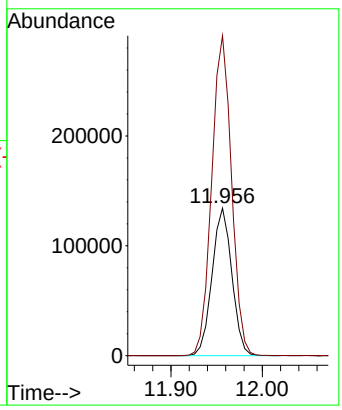


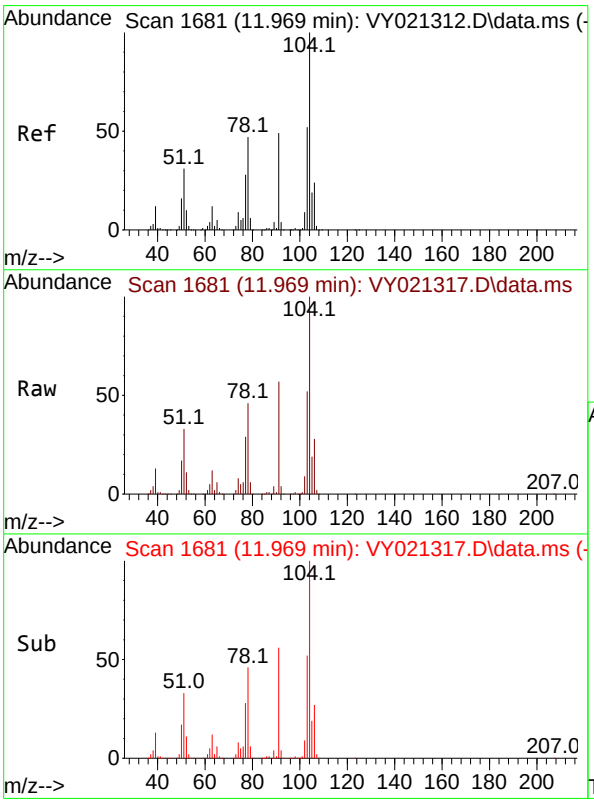
#69
o-Xylene
Concen: 56.108 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:106 Resp: 202123

Ion	Ratio	Lower	Upper
106	100		
91	217.2	108.1	324.2

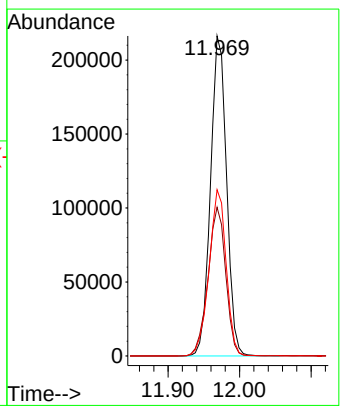


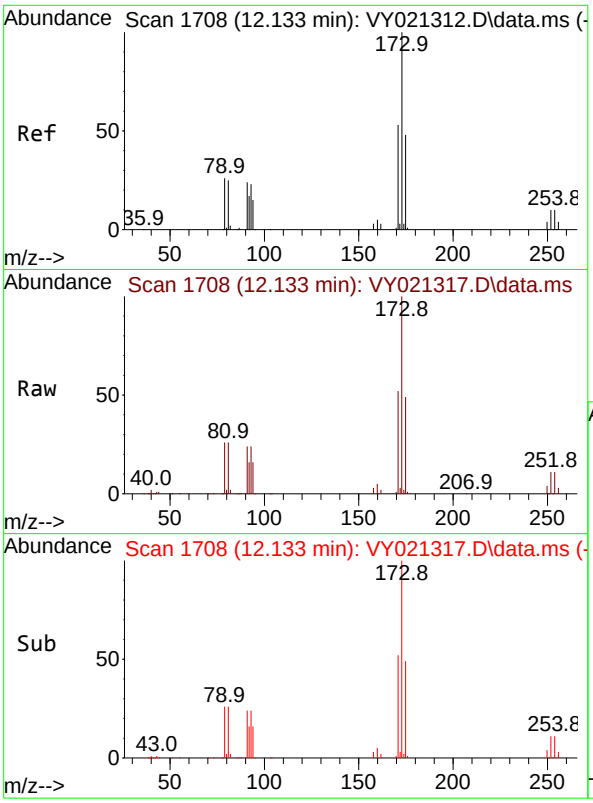


#70
Styrene
Concen: 56.307 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:104 Resp: 337489

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.3	61.9
103	55.3	43.9	65.9



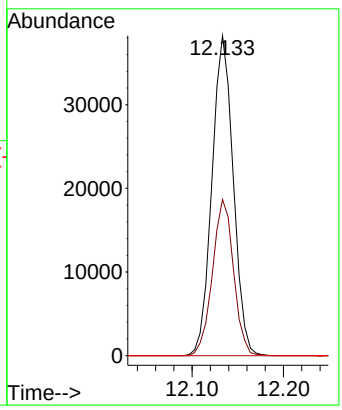


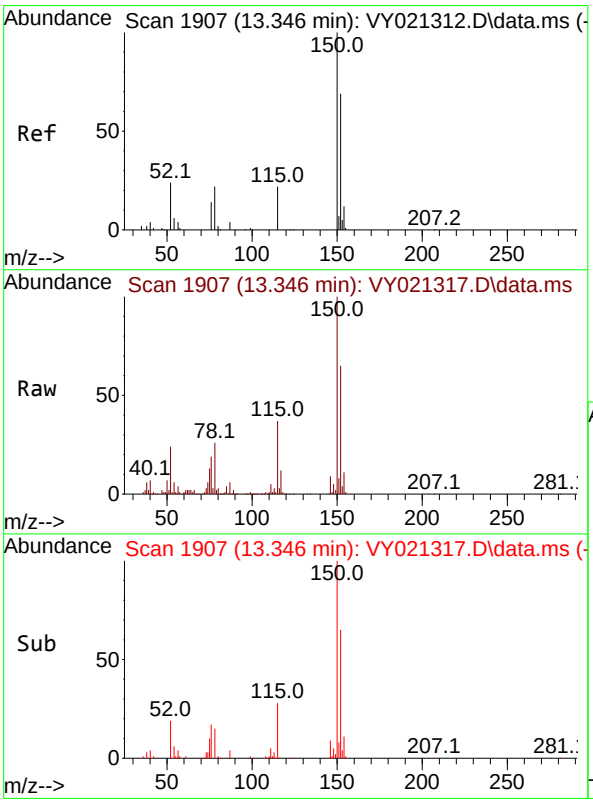
#71
Bromoform
Concen: 53.590 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:173 Resp: 61959

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.0	0.1	0.1#

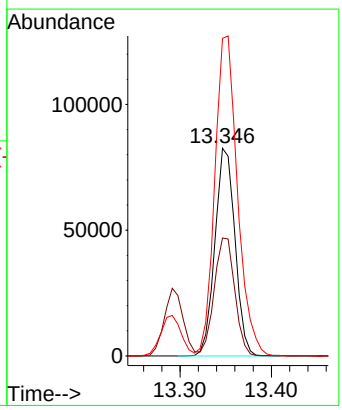


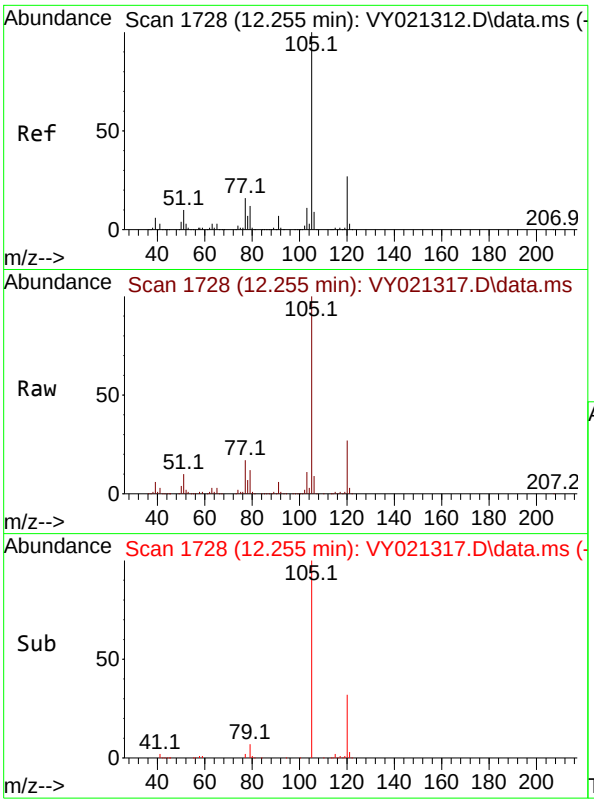


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:152 Resp: 126299

Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.3	88.0
150	174.2	0.0	347.4



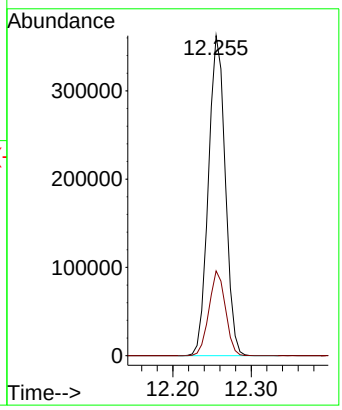


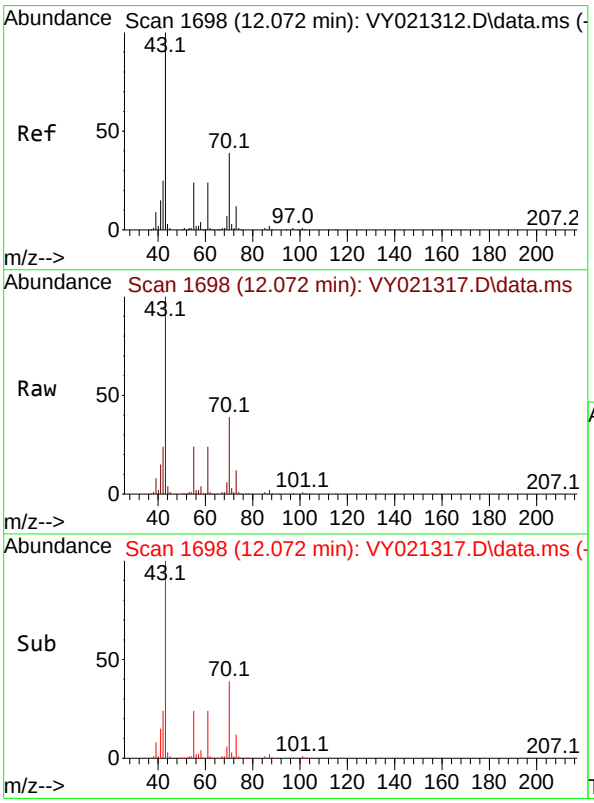
#73
Isopropylbenzene
Concen: 56.974 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:105 Resp: 540978

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.3	39.8

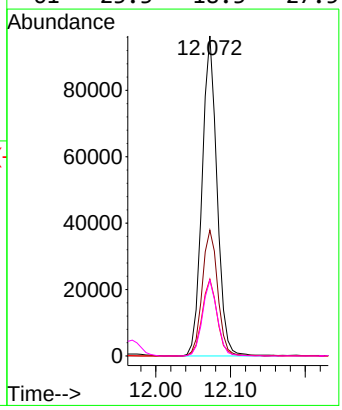


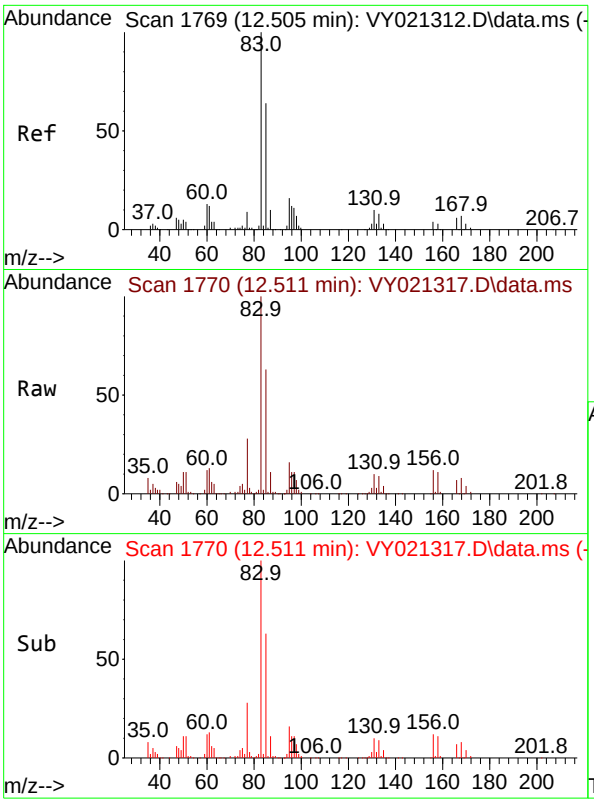


#74
N-amyl acetate
Concen: 55.509 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 43 Resp: 133968

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.2	48.2
55	24.2	19.6	29.4
61	23.3	18.3	27.5



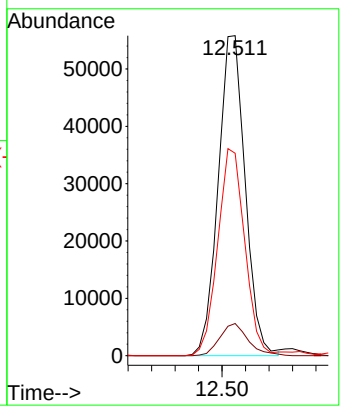


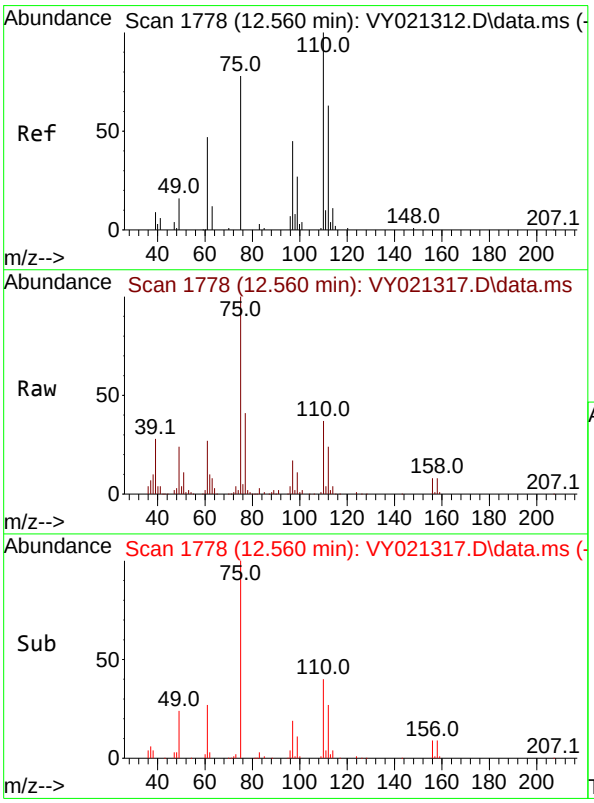
#75
1,1,2,2-Tetrachloroethane
Concen: 53.254 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 83 Resp: 89240

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.7	32.0	96.0

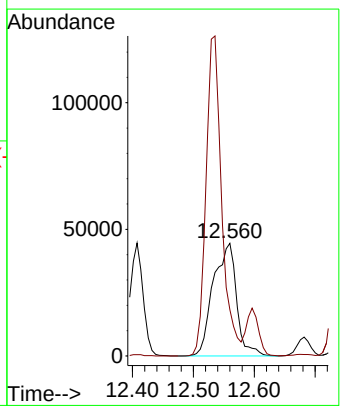


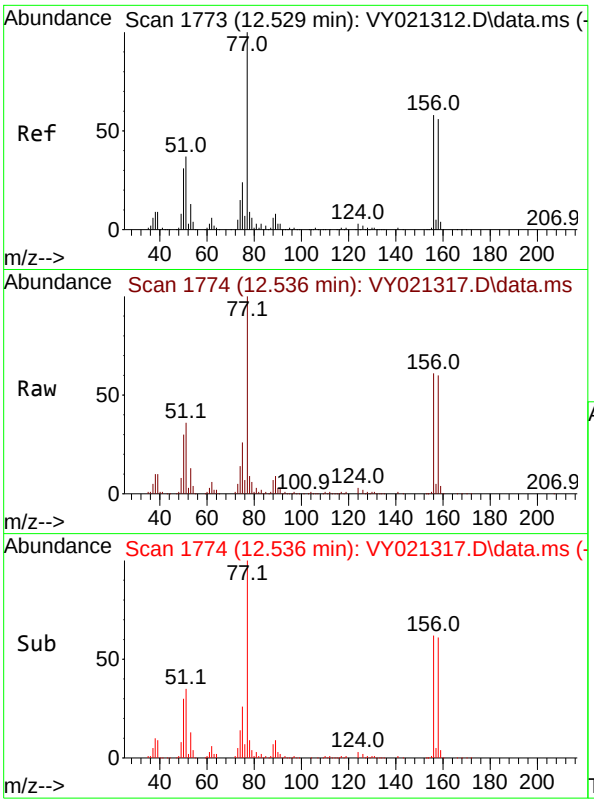


#76
1,2,3-Trichloropropane
Concen: 93.768 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 118541

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



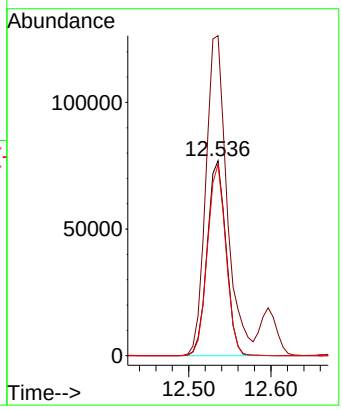


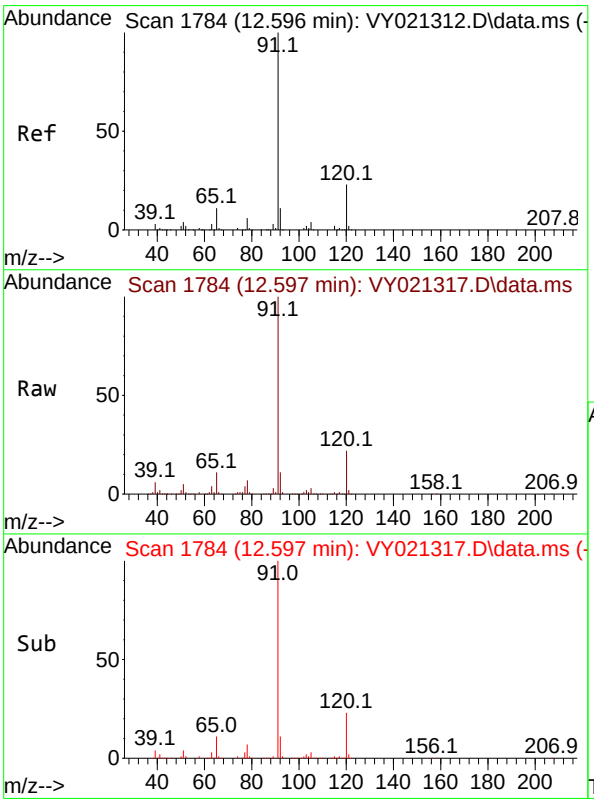
#77
Bromobenzene
Concen: 55.296 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:156 Resp: 122121

Ion	Ratio	Lower	Upper
156	100		
77	185.0	94.0	282.1
158	96.6	48.7	146.1

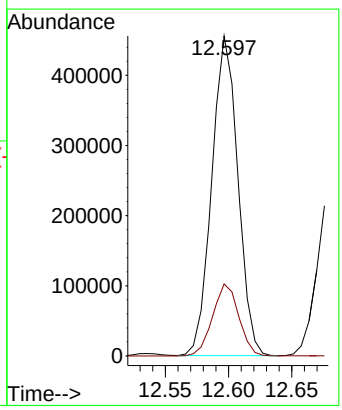


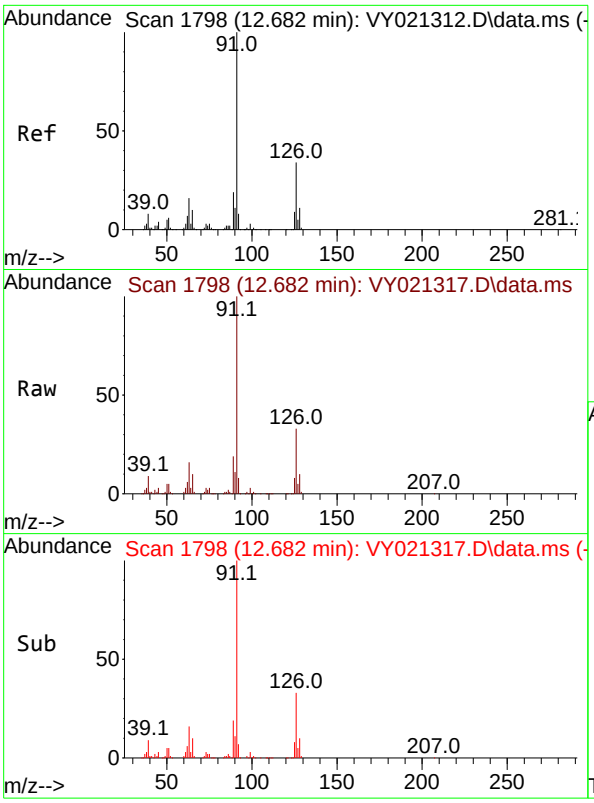


#78
n-propylbenzene
Concen: 56.783 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 654255

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5



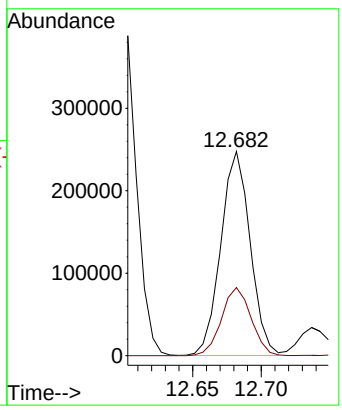


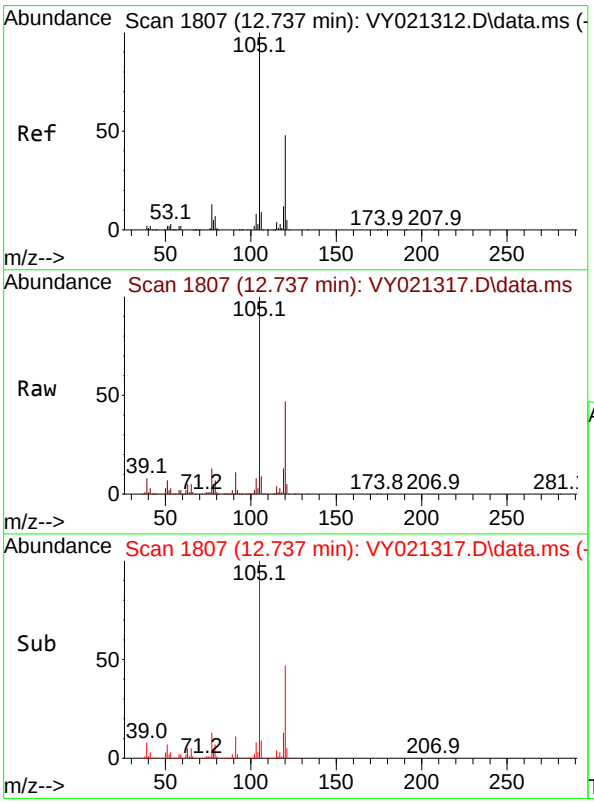
#79
2-Chlorotoluene
Concen: 55.813 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 91 Resp: 369065

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6

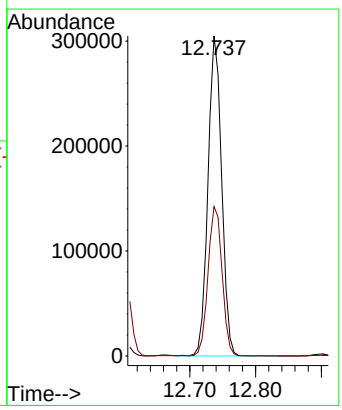


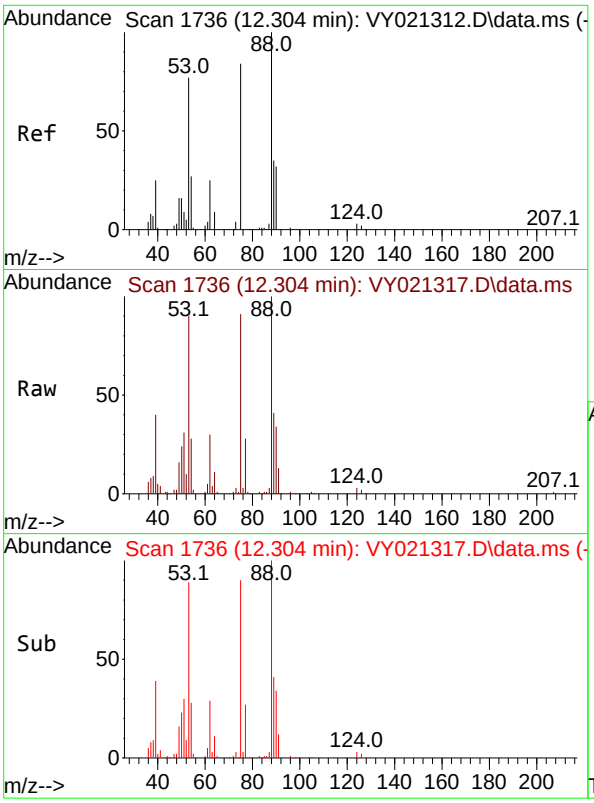


#80
1,3,5-Trimethylbenzene
Concen: 56.549 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 440379

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	73.0



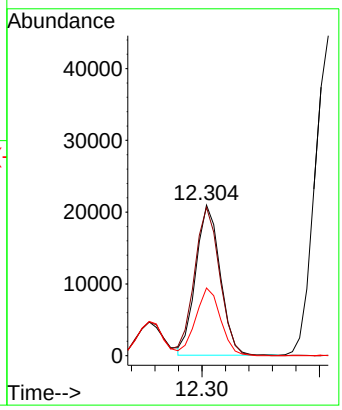


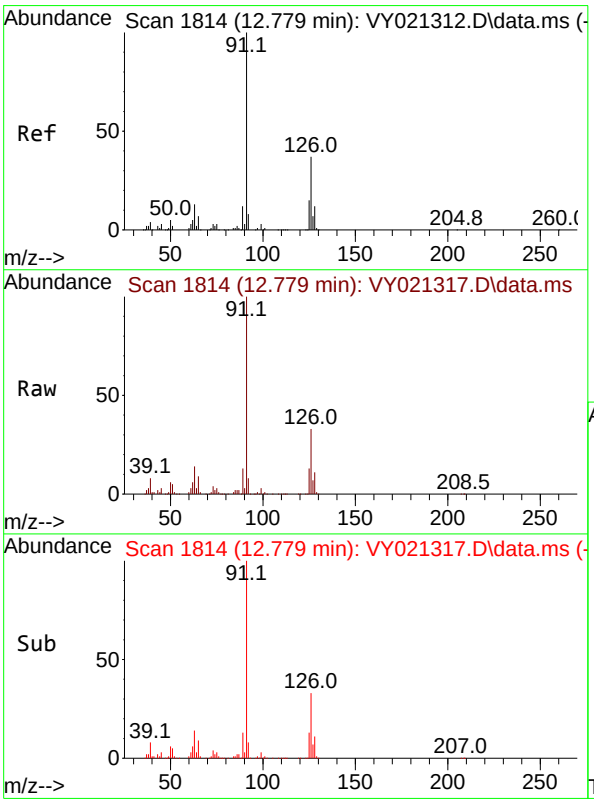
#81
trans-1,4-Dichloro-2-butene
Concen: 53.216 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 75 Resp: 30268

Ion	Ratio	Lower	Upper
75	100		
53	103.4	79.1	118.7
89	45.8	35.6	53.4

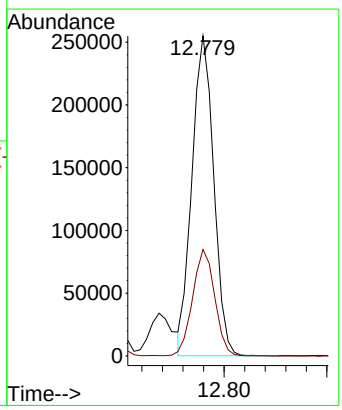


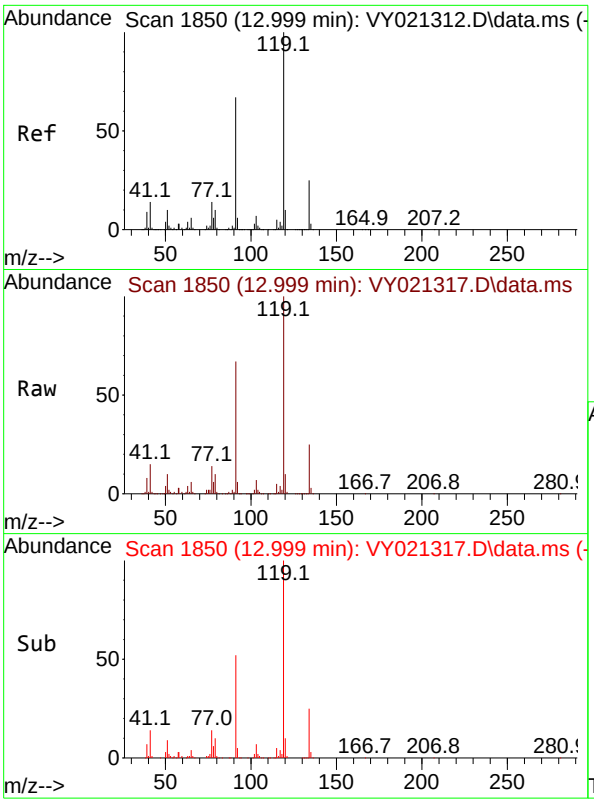


#82
4-Chlorotoluene
Concen: 54.757 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 91 Resp: 375340

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.4



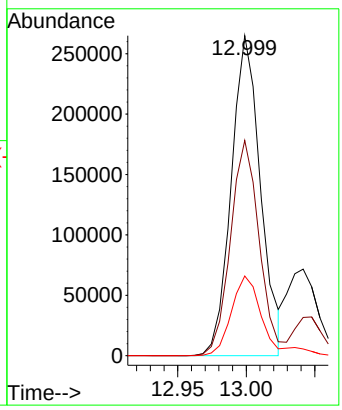


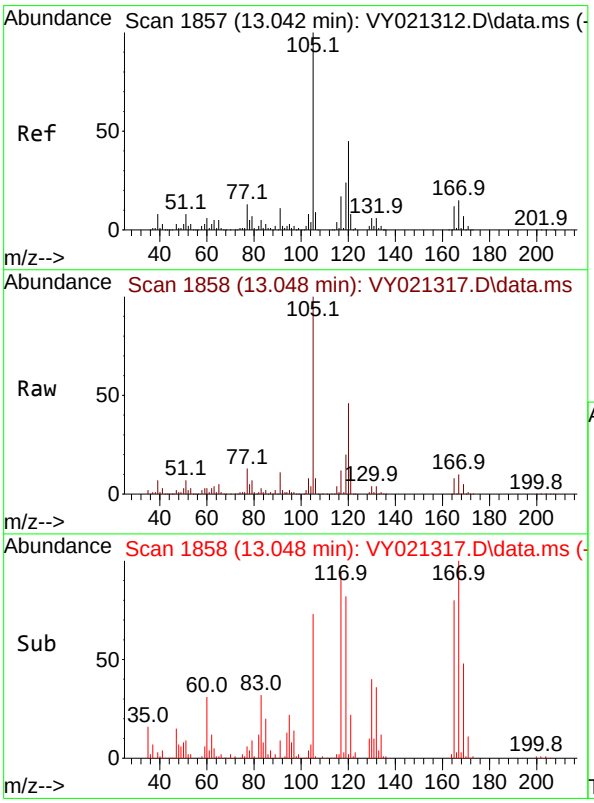
#83
tert-Butylbenzene
Concen: 55.900 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:119 Resp: 393228

Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	26.8	13.3	39.9

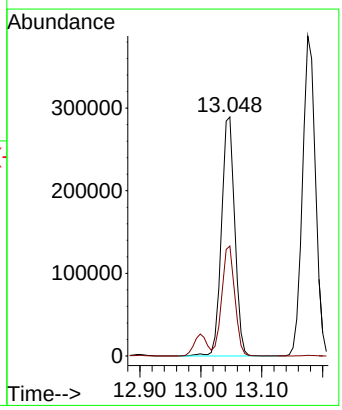


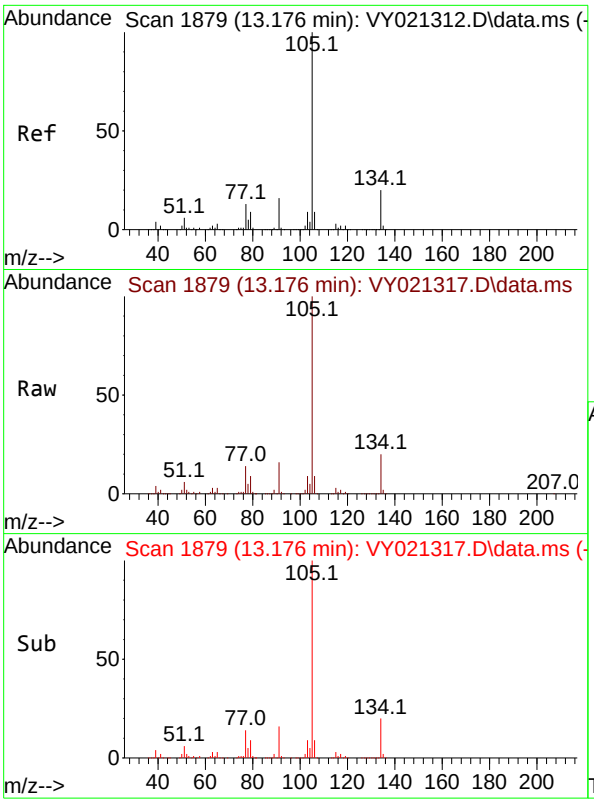


#84
1,2,4-Trimethylbenzene
Concen: 56.621 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:105 Resp: 438538

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3



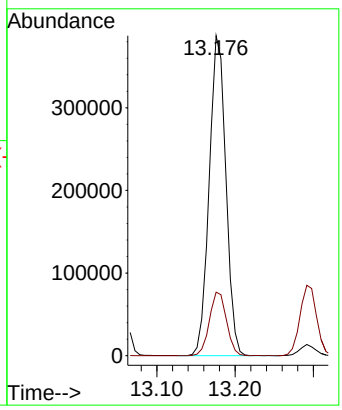


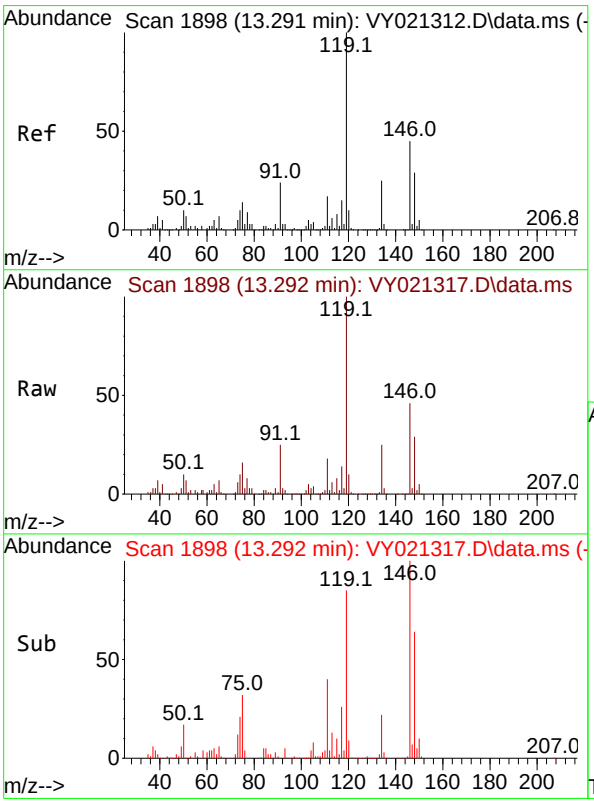
#85
sec-Butylbenzene
Concen: 55.655 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:105 Resp: 571874

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0

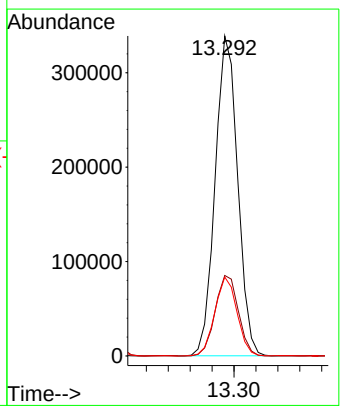


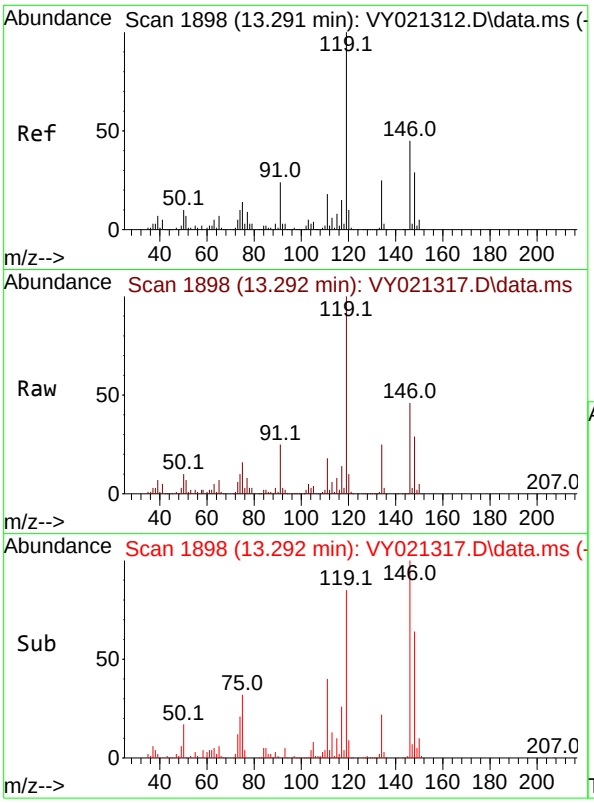


#86
p-Isopropyltoluene
Concen: 56.427 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:119 Resp: 484140

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.2	12.0	36.1



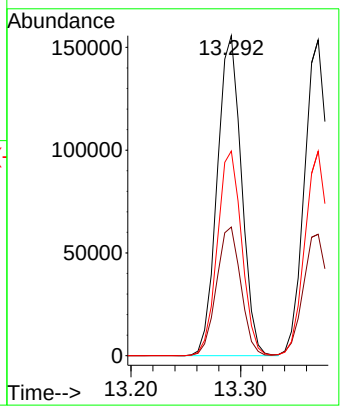


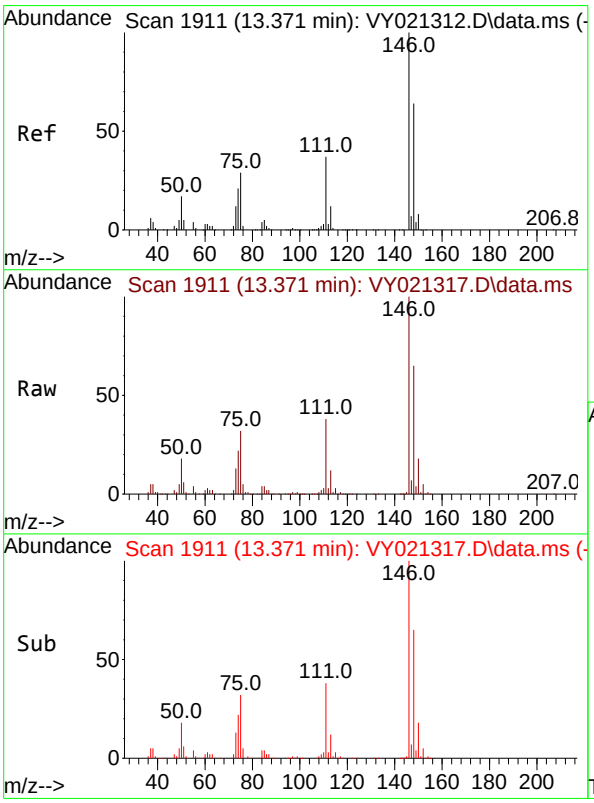
#87
1,3-Dichlorobenzene
Concen: 54.800 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:146 Resp: 239404

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	64.1	31.9	95.9

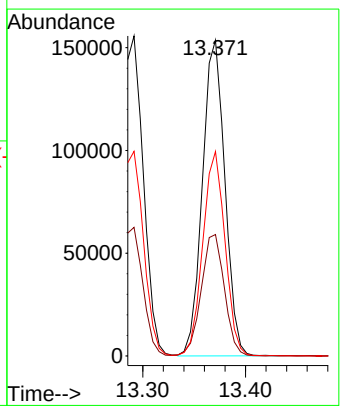


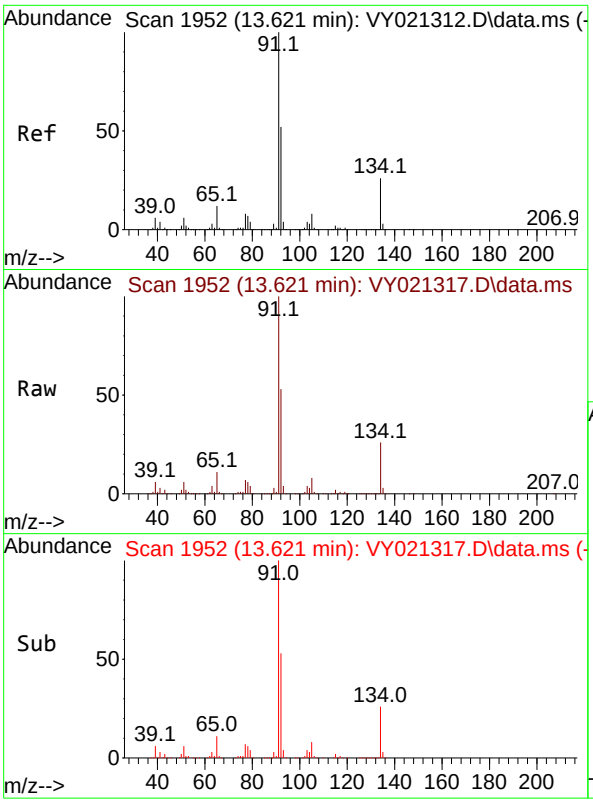


#88
1,4-Dichlorobenzene
Concen: 54.098 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:146 Resp: 233477

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	64.2	32.0	96.2



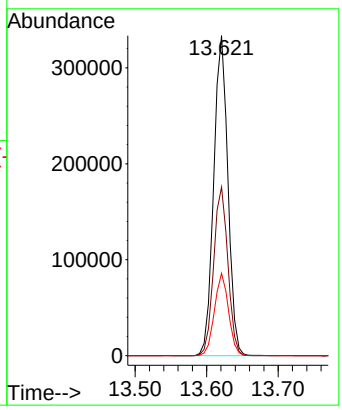


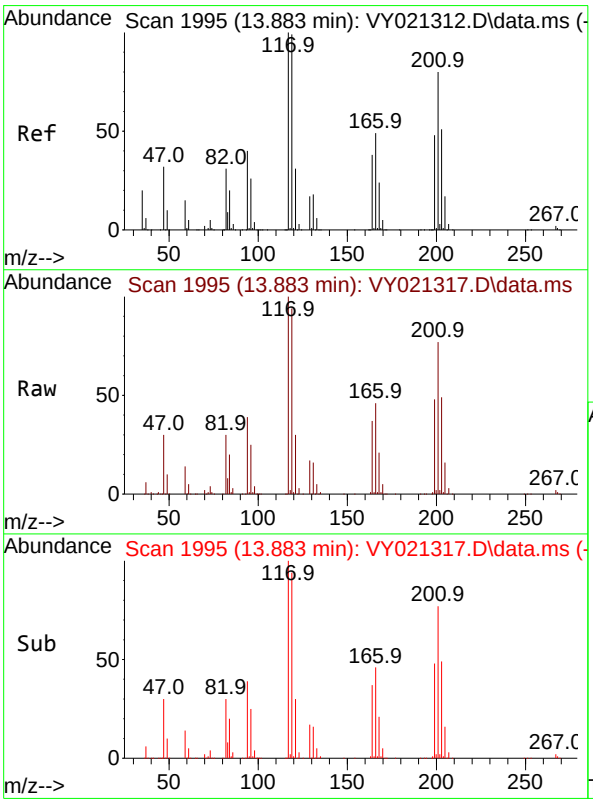
#89
n-Butylbenzene
Concen: 56.856 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion: 91 Resp: 459065

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.6	12.7	38.0

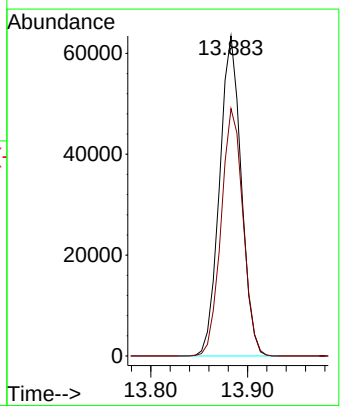


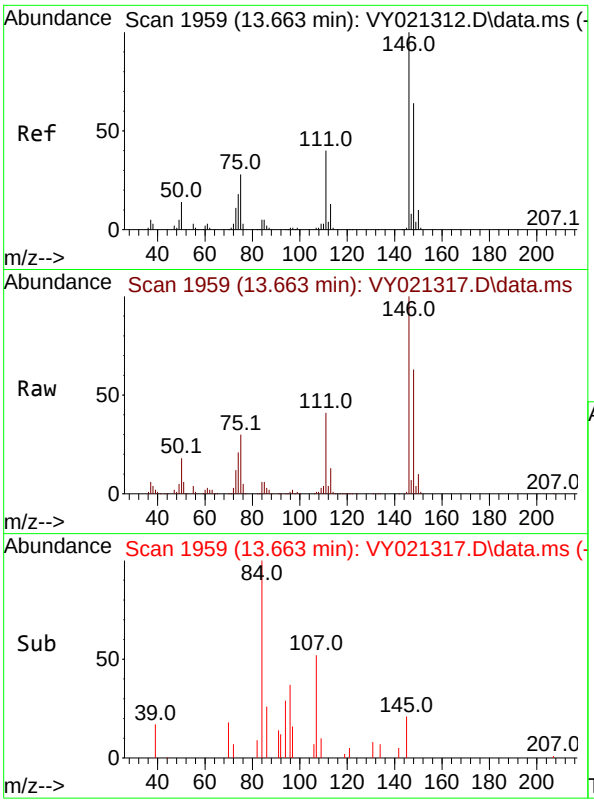


#90
Hexachloroethane
Concen: 55.035 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:117 Resp: 98634

Ion	Ratio	Lower	Upper
117	100		
201	78.0	38.4	115.2



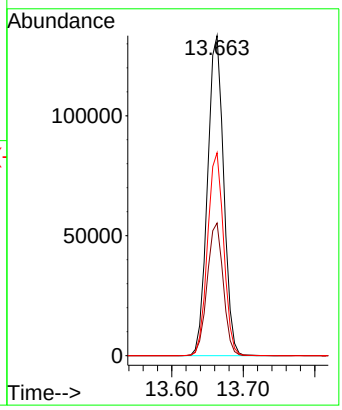


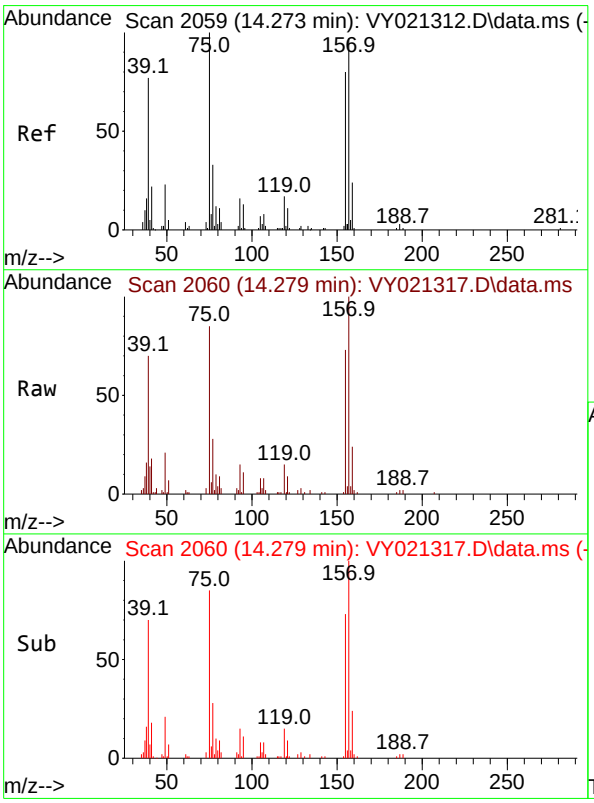
#91
1,2-Dichlorobenzene
Concen: 54.545 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:146 Resp: 208776

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.4	31.7	95.1

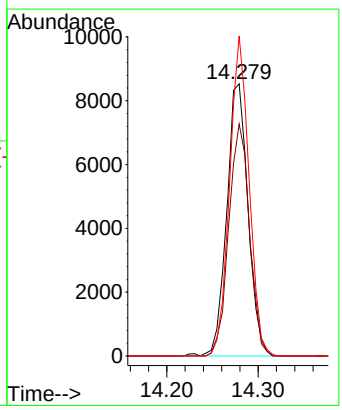


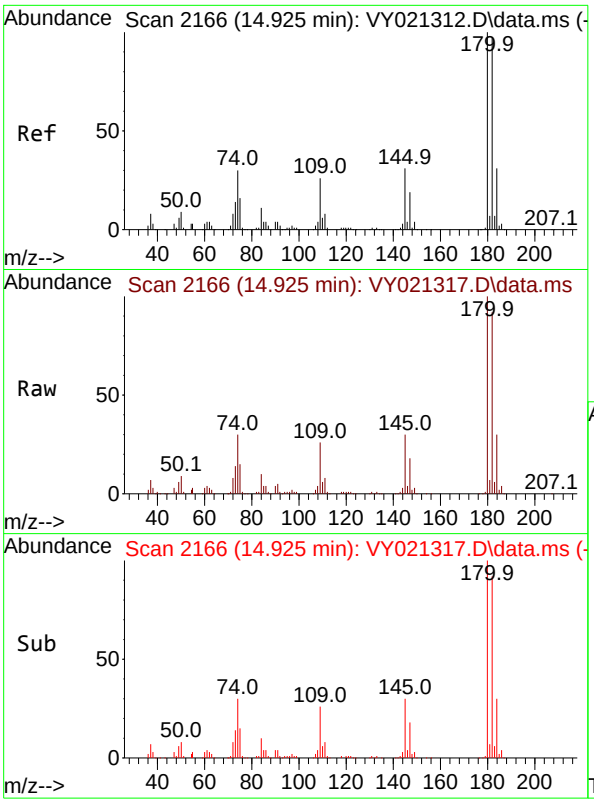


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.137 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion: 75 Resp: 13821

Ion	Ratio	Lower	Upper
75	100		
155	83.0	41.9	125.6
157	107.2	52.5	157.6



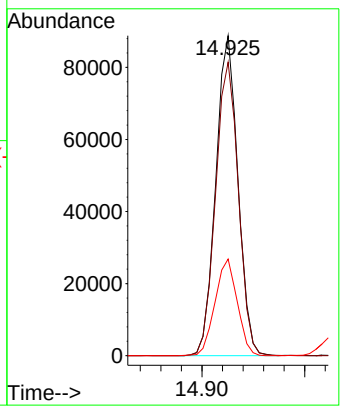


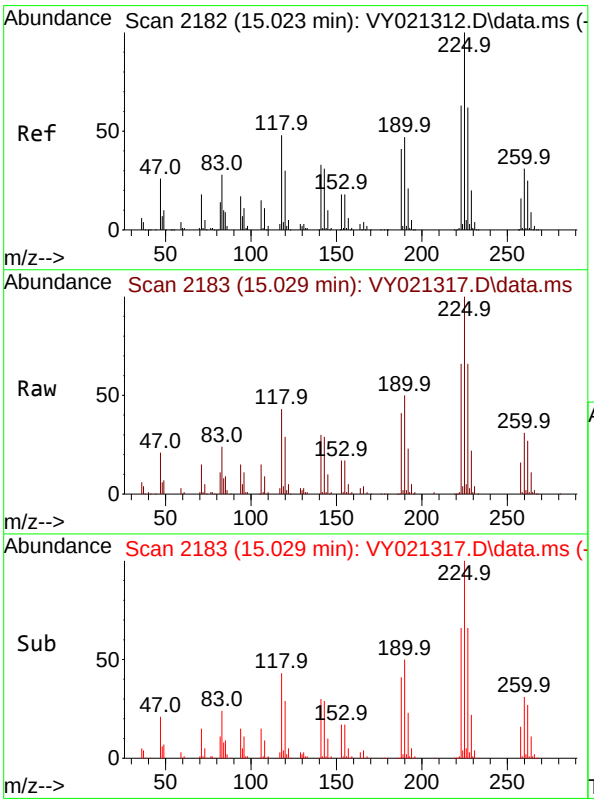
#93
1,2,4-Trichlorobenzene
Concen: 56.703 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:180 Resp: 132464

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	30.3	15.6	46.8

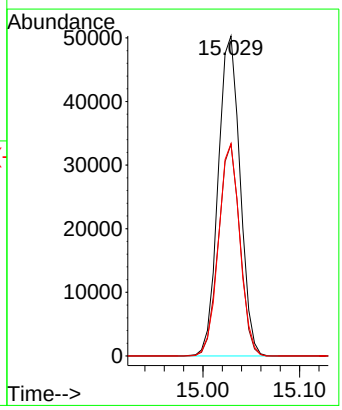


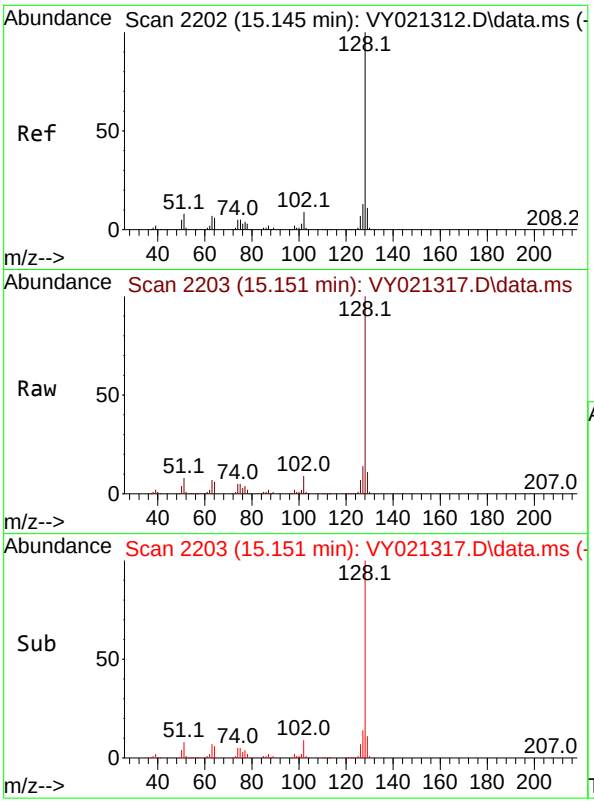


#94
Hexachlorobutadiene
Concen: 53.541 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:225 Resp: 78745

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.8	95.4
227	64.6	31.9	95.7



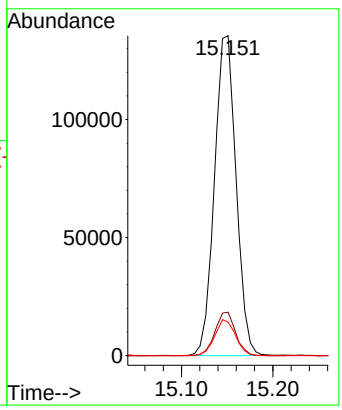


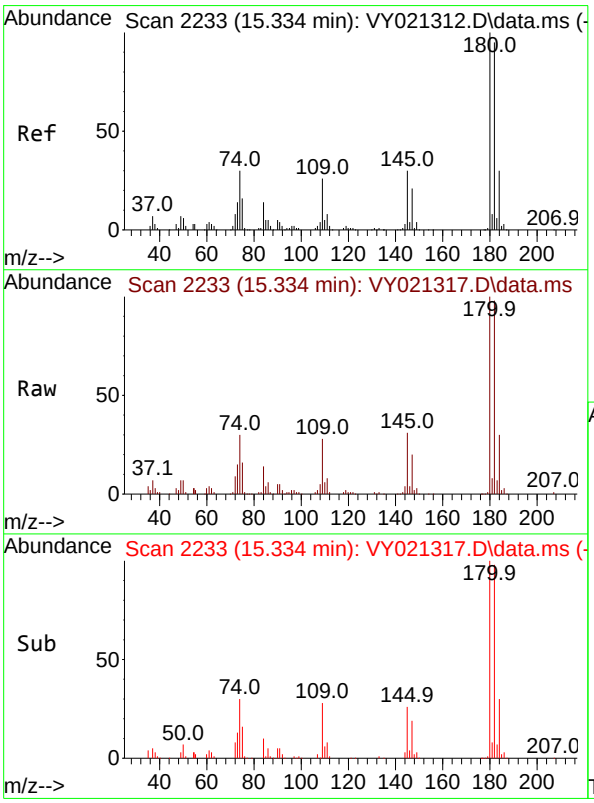
#95
Naphthalene
Concen: 57.589 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY022525

Tgt Ion:128 Resp: 222839

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.5	12.7

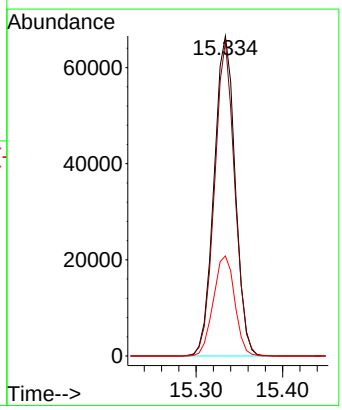




#96
1,2,3-Trichlorobenzene
Concen: 56.980 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021317.D
Acq: 25 Feb 2025 17:31

Tgt Ion:180 Resp: 112466

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.3	144.9
145	31.7	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	193888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	308714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	268805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	131935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105547	47.987	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.980%		
35) Dibromofluoromethane	7.634	113	98654	48.743	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.480%		
50) Toluene-d8	10.109	98	387966	49.599	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.200%		
62) 4-Bromofluorobenzene	12.408	95	129754	49.290	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.580%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	85738	46.640	ug/l	96
3) Chloromethane	2.068	50	112705	47.473	ug/l	98
4) Vinyl Chloride	2.202	62	113710	48.798	ug/l	98
5) Bromomethane	2.598	94	71789	46.361	ug/l	99
6) Chloroethane	2.739	64	70476	48.772	ug/l	99
7) Trichlorofluoromethane	3.062	101	167868	47.701	ug/l	96
8) Diethyl Ether	3.452	74	52323	49.537	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	96104	47.169	ug/l	99
10) Methyl Iodide	4.007	142	111918	52.212	ug/l	99
11) Tert butyl alcohol	4.854	59	34212	202.221	ug/l	98
12) 1,1-Dichloroethene	3.793	96	94447	48.413	ug/l	99
13) Acrolein	3.653	56	5526	42.624	ug/l	99
14) Allyl chloride	4.385	41	173778	50.242	ug/l	98
15) Acrylonitrile	5.061	53	112963	241.892	ug/l	99
16) Acetone	3.867	43	109810	260.267	ug/l	100
17) Carbon Disulfide	4.110	76	315561	48.712	ug/l	100
18) Methyl Acetate	4.385	43	49846	48.342	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	253623	49.206	ug/l	99
20) Methylene Chloride	4.616	84	103268	45.263	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	104607	48.708	ug/l	99
22) Diisopropyl ether	6.019	45	361038	50.442	ug/l	98
23) Vinyl Acetate	5.958	43	1065848	249.197	ug/l	99
24) 1,1-Dichloroethane	5.915	63	197949	49.069	ug/l	98
25) 2-Butanone	6.890	43	157281	246.999	ug/l	98
26) 2,2-Dichloropropane	6.890	77	180065	49.191	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	122751	50.053	ug/l	99
28) Bromochloromethane	7.244	49	84337	47.247	ug/l	98
29) Tetrahydrofuran	7.262	42	99242	238.435	ug/l	100
30) Chloroform	7.421	83	201334	49.253	ug/l	99
31) Cyclohexane	7.701	56	178746	46.094	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	181553	48.795	ug/l	98
36) 1,1-Dichloropropene	7.835	75	146702	48.254	ug/l	100
37) Ethyl Acetate	6.982	43	72710	48.080	ug/l	100
38) Carbon Tetrachloride	7.817	117	165430	48.402	ug/l	98
39) Methylcyclohexane	9.109	83	178508	46.422	ug/l	97
40) Benzene	8.079	78	436709	48.593	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	36160	42.766 ug/l		91
42) 1,2-Dichloroethane	8.158	62	122335	47.978 ug/l		99
43) Isopropyl Acetate	8.195	43	140455	47.984 ug/l		99
44) Trichloroethene	8.866	130	109499	48.665 ug/l		100
45) 1,2-Dichloropropane	9.140	63	105190	48.637 ug/l		100
46) Dibromomethane	9.231	93	56977	48.195 ug/l		99
47) Bromodichloromethane	9.427	83	152416	48.352 ug/l		99
48) Methyl methacrylate	9.219	41	66362	48.481 ug/l		98
49) 1,4-Dioxane	9.231	88	12417	944.605 ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	360891	240.853 ug/l		100
52) Toluene	10.170	92	275527	49.351 ug/l		100
53) t-1,3-Dichloropropene	10.396	75	144366	49.988 ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	167718	49.192 ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	72899	47.334 ug/l		98
56) Ethyl methacrylate	10.439	69	108485	50.979 ug/l		100
57) 1,3-Dichloropropane	10.719	76	132919	49.183 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	239640	234.614 ug/l		100
59) 2-Hexanone	10.762	43	245501	249.476 ug/l		99
60) Dibromochloromethane	10.908	129	102499	48.867 ug/l		100
61) 1,2-Dibromoethane	11.018	107	69304	47.532 ug/l		98
64) Tetrachloroethene	10.646	164	96416	47.455 ug/l		98
65) Chlorobenzene	11.444	112	293397	48.625 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	104152	49.295 ug/l		100
67) Ethyl Benzene	11.518	91	530215	49.609 ug/l		99
68) m/p-Xylenes	11.627	106	395166	98.298 ug/l		99
69) o-Xylene	11.957	106	187084	49.676 ug/l		98
70) Styrene	11.969	104	316002	50.431 ug/l		100
71) Bromoform	12.133	173	58316	48.247 ug/l	#	99
73) Isopropylbenzene	12.255	105	493694	49.774 ug/l		99
74) N-amyl acetate	12.072	43	128988	51.162 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	84288	48.150 ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	113156	85.685 ug/l	#	100
77) Bromobenzene	12.536	156	114266	49.529 ug/l		99
78) n-propylbenzene	12.597	91	595911	49.510 ug/l		100
79) 2-Chlorotoluene	12.682	91	339722	49.181 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	403527	49.604 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	29544	49.724 ug/l		99
82) 4-Chlorotoluene	12.780	91	353786	49.408 ug/l		99
83) tert-Butylbenzene	12.999	119	358344	48.765 ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	403288	49.846 ug/l		100
85) sec-Butylbenzene	13.176	105	515970	48.069 ug/l		100
86) p-Isopropyltoluene	13.292	119	435539	48.594 ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	221110	48.450 ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	215487	47.797 ug/l		100
89) n-Butylbenzene	13.621	91	408995	48.491 ug/l		100
90) Hexachloroethane	13.883	117	88564	47.306 ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	193750	48.457 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13100	47.306 ug/l		97
93) 1,2,4-Trichlorobenzene	14.926	180	116572	47.769 ug/l		99
94) Hexachlorobutadiene	15.029	225	70063	45.603 ug/l		99
95) Naphthalene	15.145	128	205892	50.937 ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	98515	47.779 ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

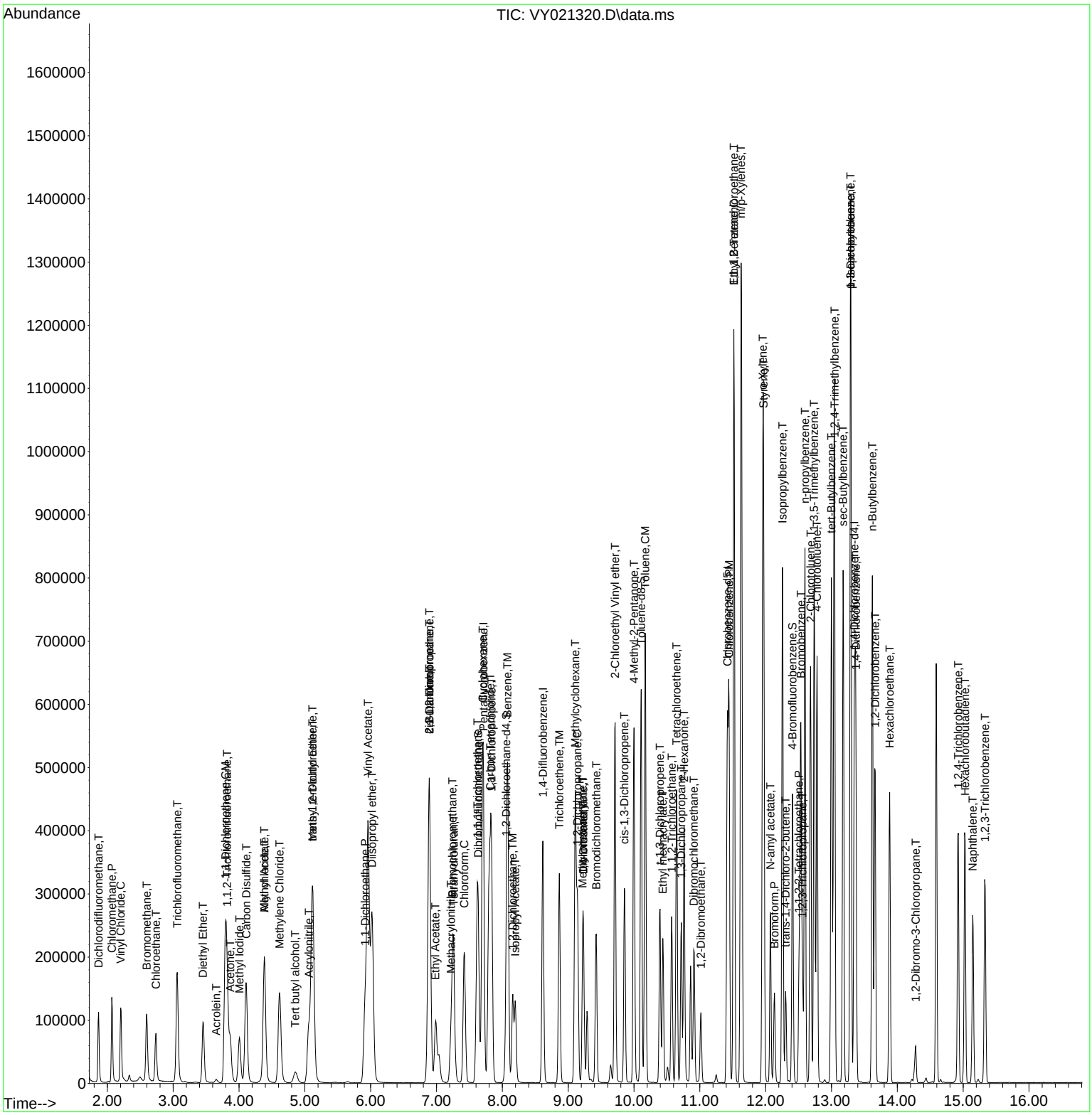
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

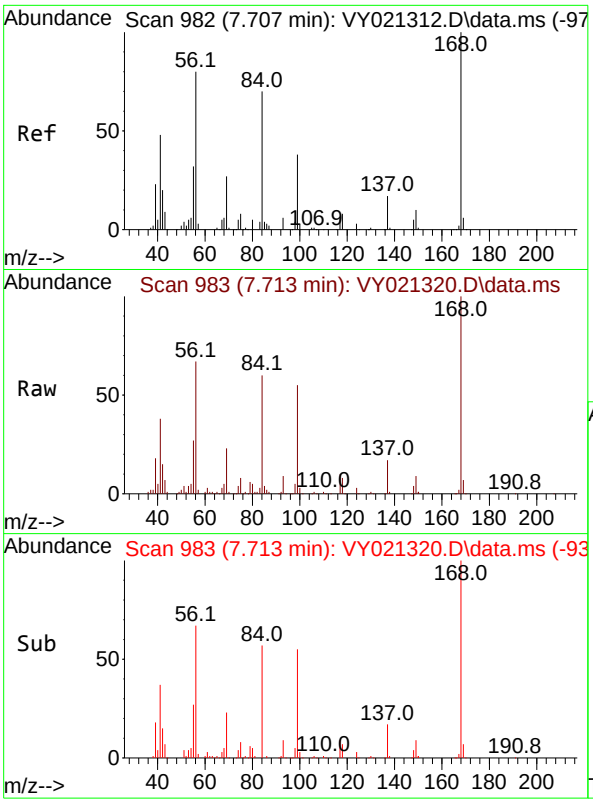
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021320.D
Acq On : 26 Feb 2025 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Feb 27 00:33:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



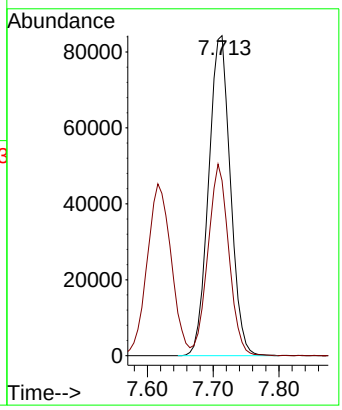


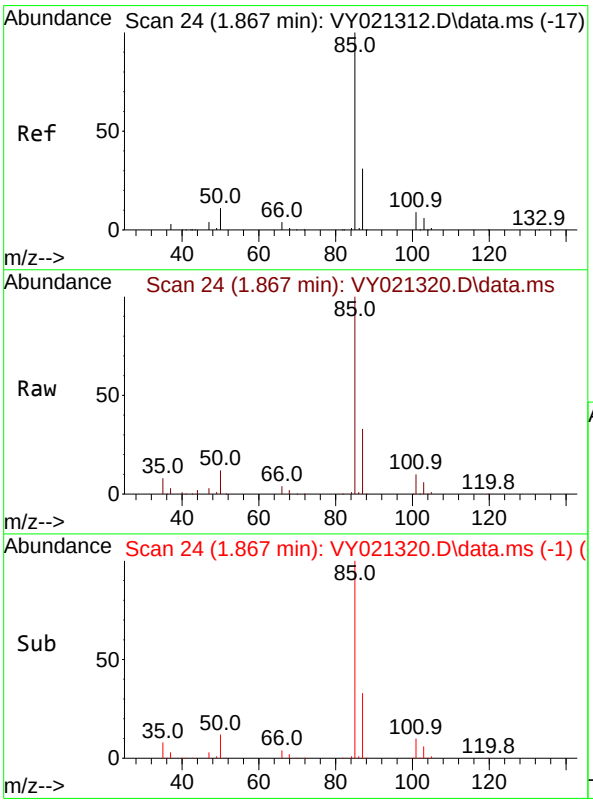
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 193888

Ion	Ratio	Lower	Upper
168	100		
99	54.7	47.1	70.7

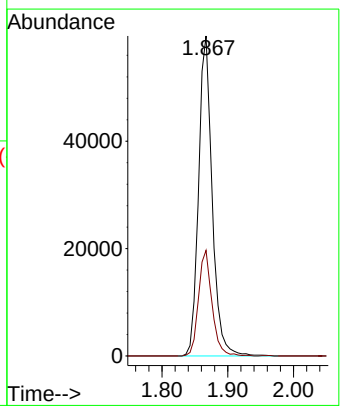


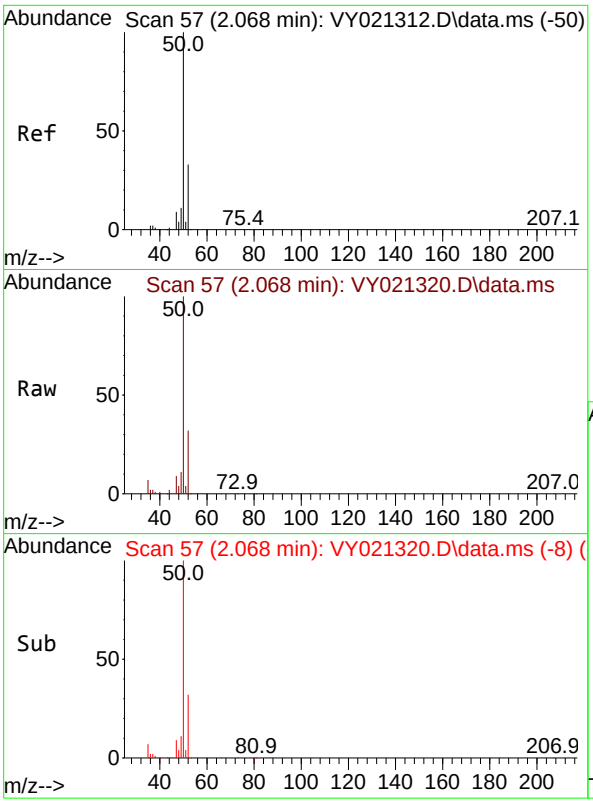


#2
Dichlorodifluoromethane
Concen: 46.640 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 85 Resp: 85738

Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.4	46.4



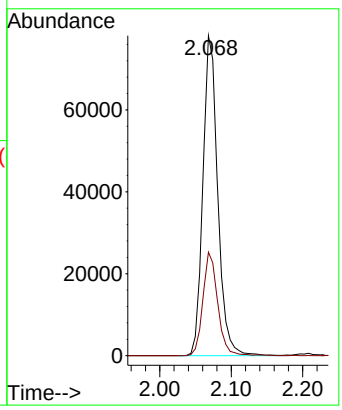


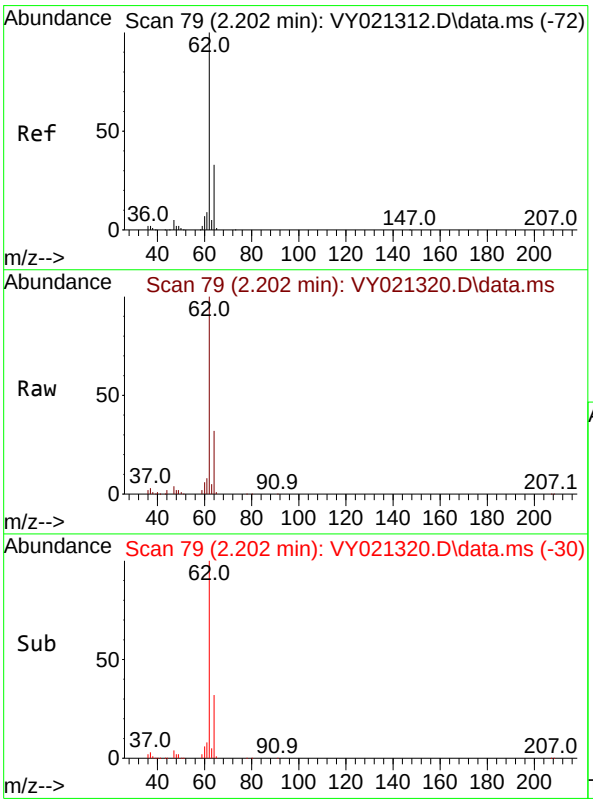
#3
Chloromethane
Concen: 47.473 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 112705

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.6	40.0

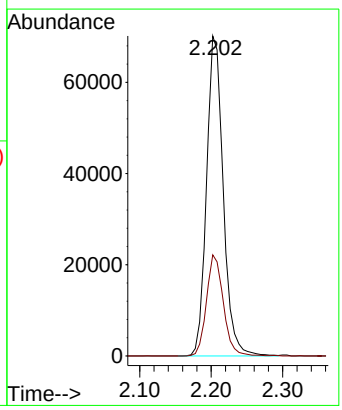


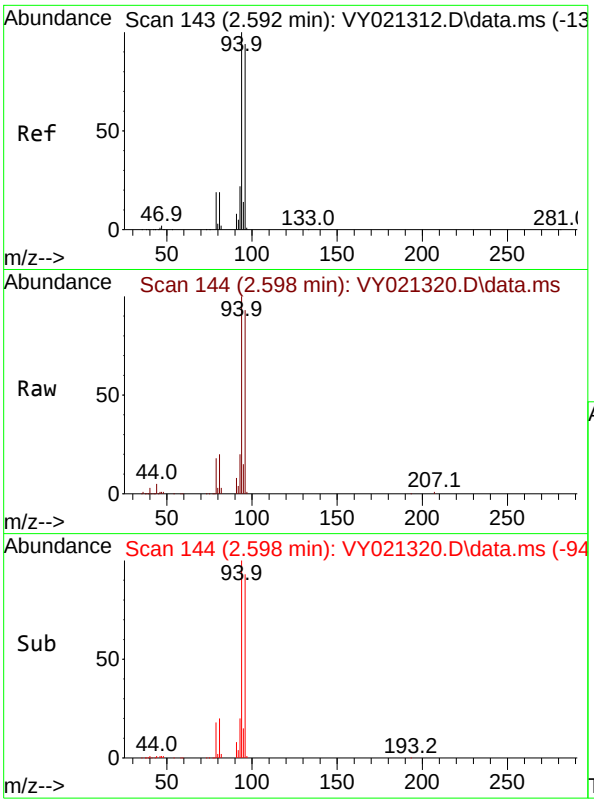


#4
Vinyl Chloride
Concen: 48.798 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 62 Resp: 113710

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.3	39.5



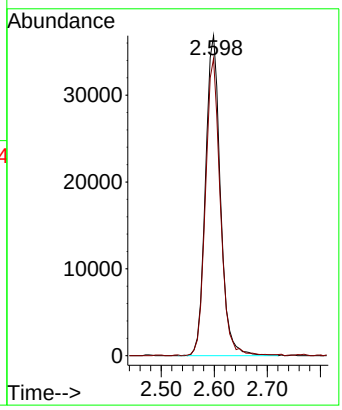


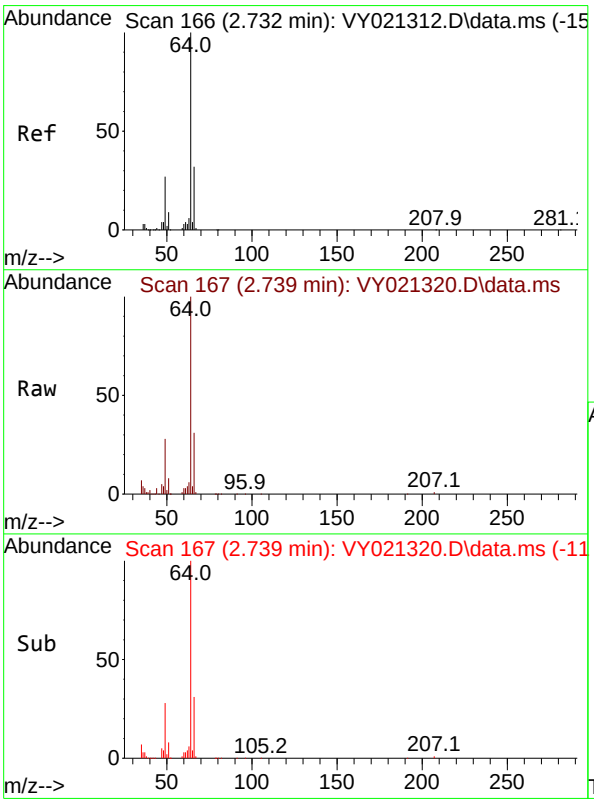
#5
Bromomethane
Concen: 46.361 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 71789

Ion	Ratio	Lower	Upper
94	100		
96	92.6	75.2	112.8

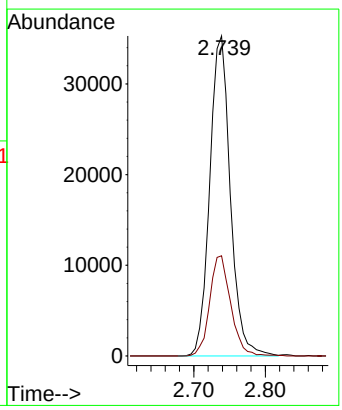


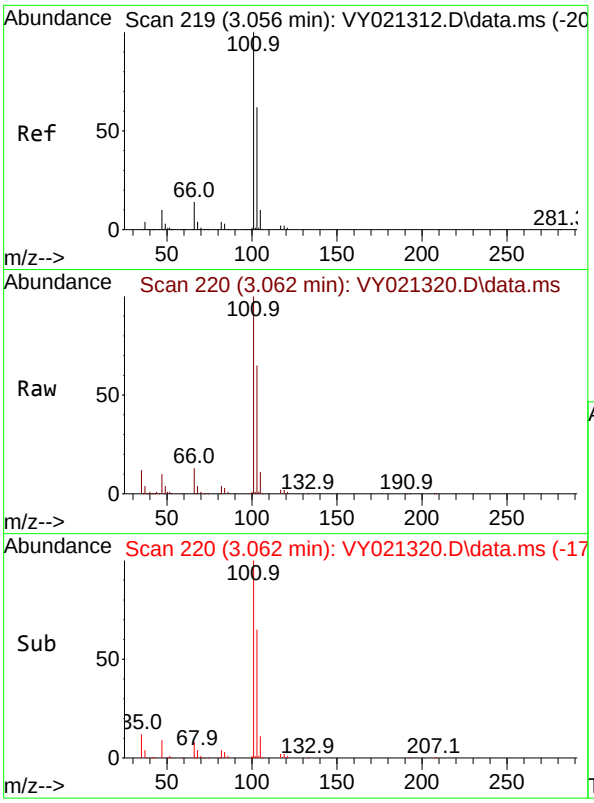


#6
Chloroethane
Concen: 48.772 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 64 Resp: 70476

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.4	38.0



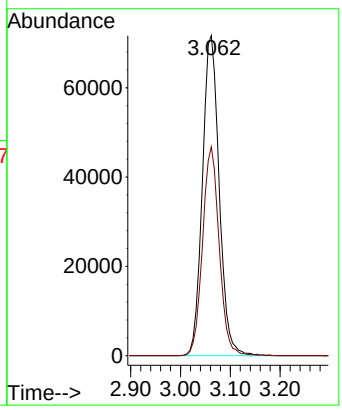


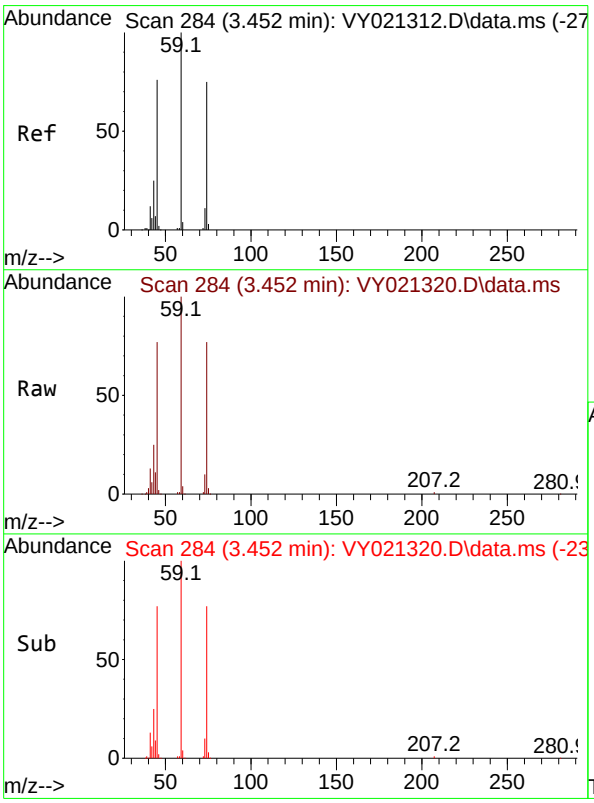
#7
Trichlorofluoromethane
Concen: 47.701 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 167868

Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.7	74.5

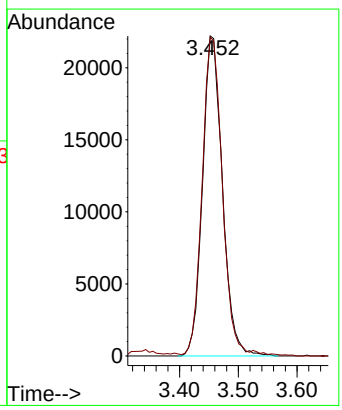


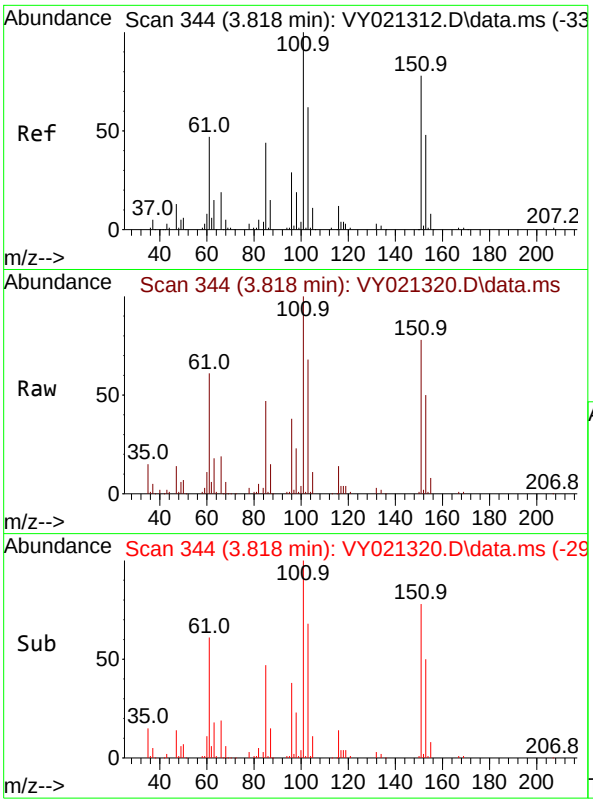


#8
Diethyl Ether
Concen: 49.537 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 74 Resp: 52323

Ion	Ratio	Lower	Upper
74	100		
45	99.2	50.3	150.9



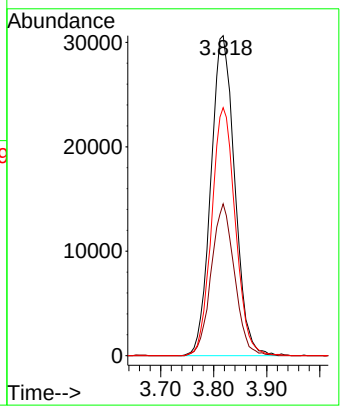


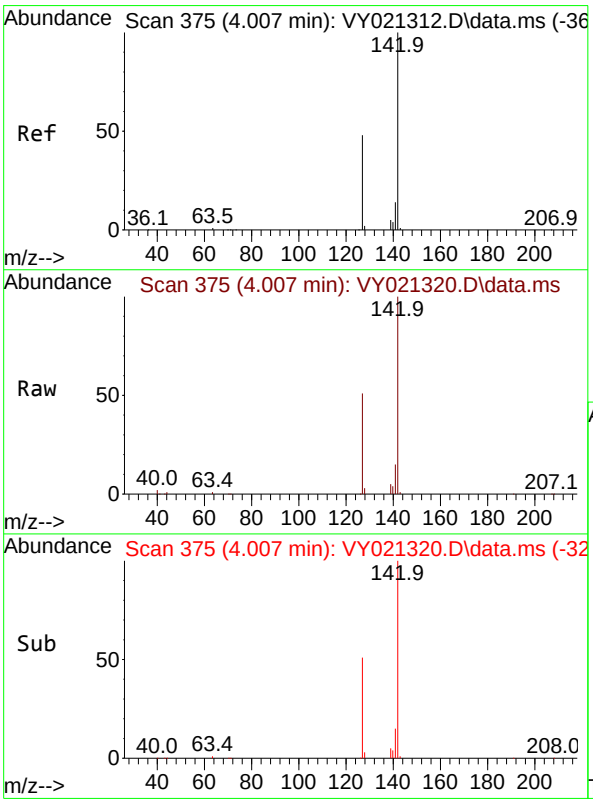
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.169 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 96104

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	77.0	62.6	94.0

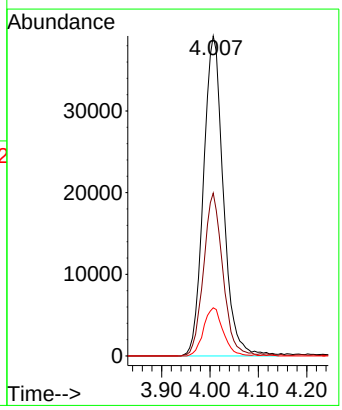


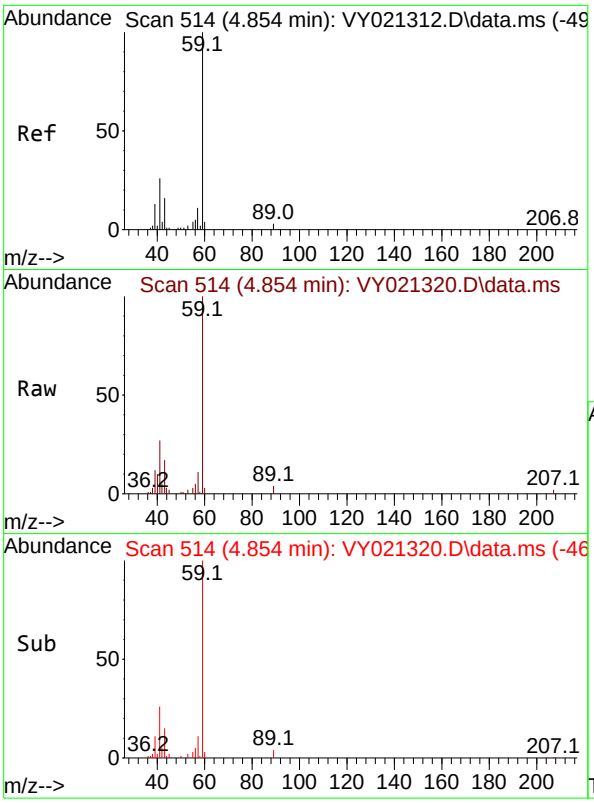


#10
Methyl Iodide
Concen: 52.212 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:142 Resp: 111918

Ion	Ratio	Lower	Upper
142	100		
127	49.4	39.2	58.8
141	14.8	11.4	17.2



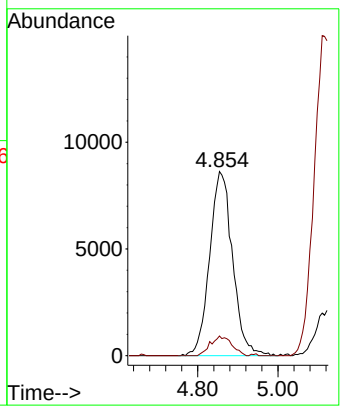


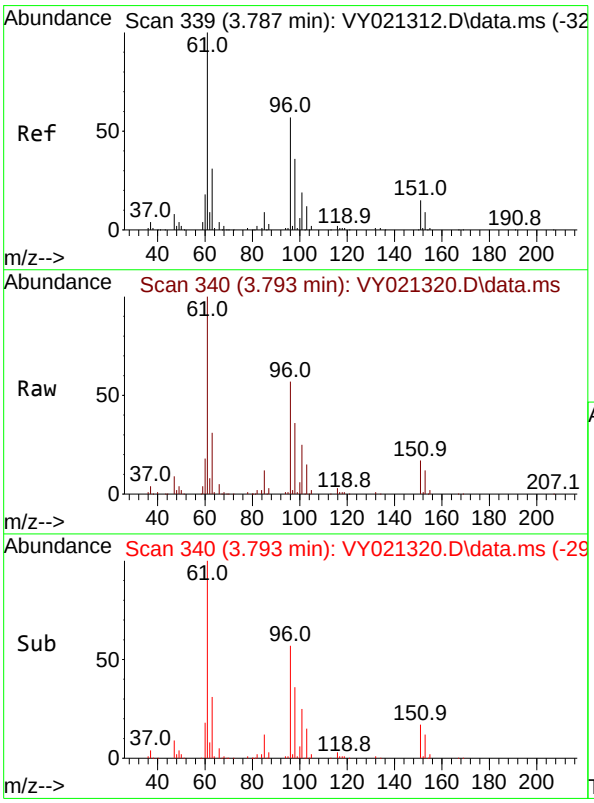
#11
Tert butyl alcohol
Concen: 202.221 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 34212

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

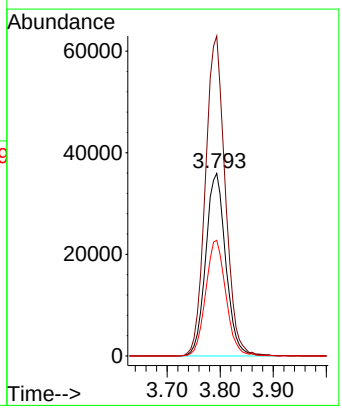


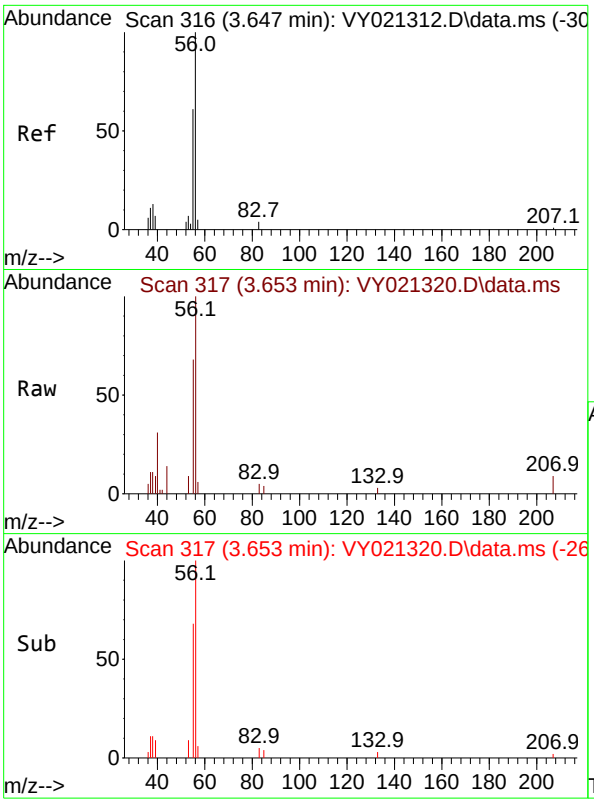


#12
1,1-Dichloroethene
Concen: 48.413 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 96 Resp: 94447

Ion	Ratio	Lower	Upper
96	100		
61	175.2	139.7	209.5
98	63.3	49.7	74.5



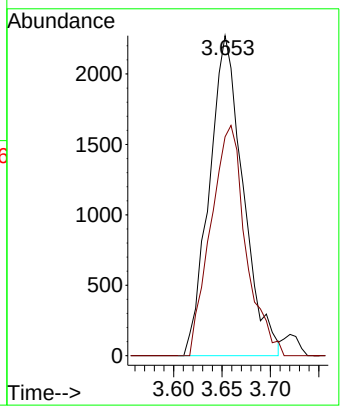


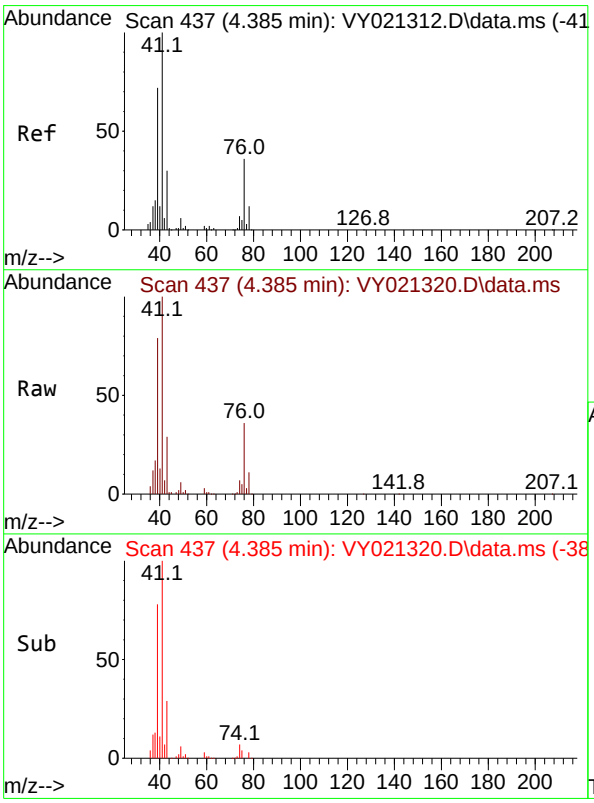
#13
Acrolein
Concen: 42.624 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 5526

Ion	Ratio	Lower	Upper
56	100		
55	74.4	59.0	88.6

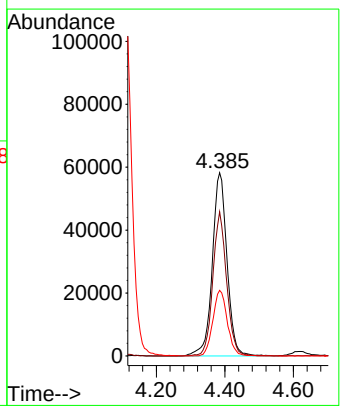


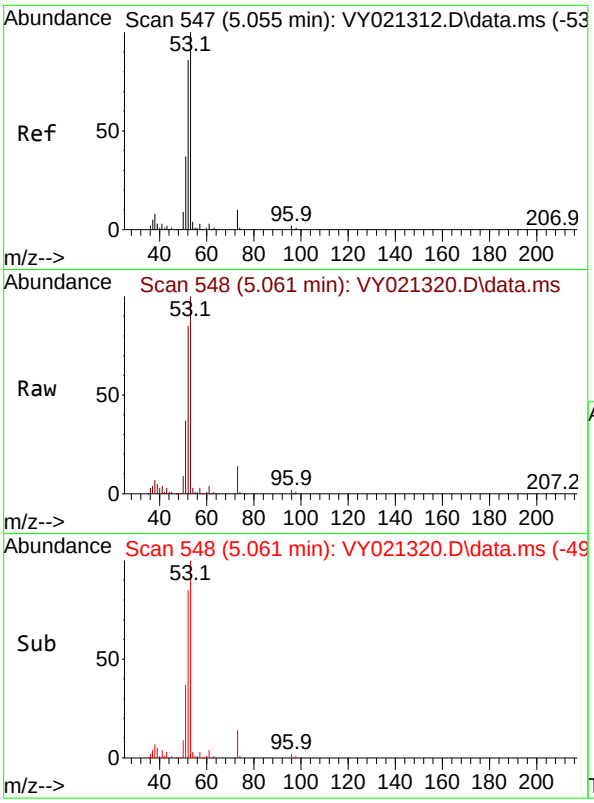


#14
Allyl chloride
Concen: 50.242 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 173778

Ion	Ratio	Lower	Upper
41	100		
39	73.8	60.0	90.0
76	35.2	29.0	43.6



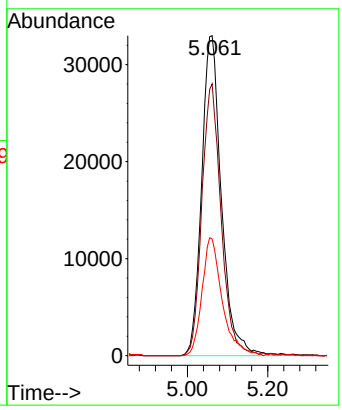


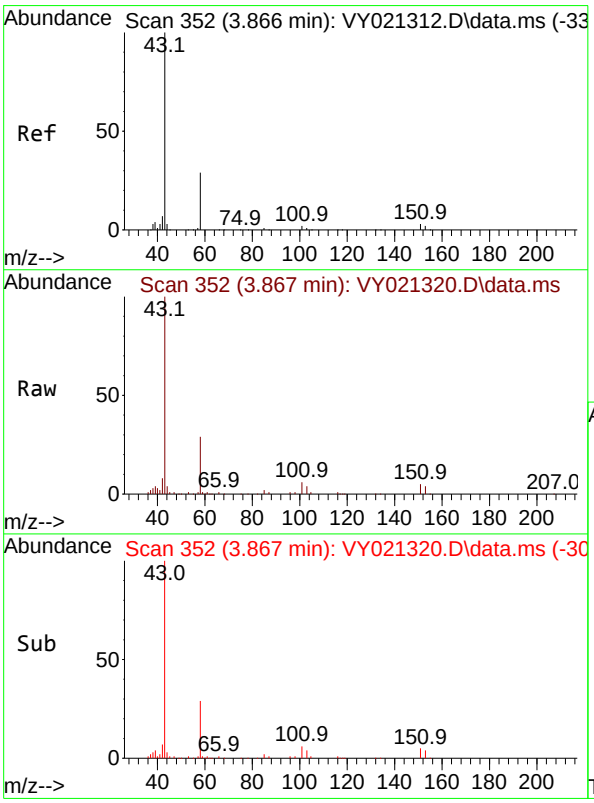
#15
Acrylonitrile
Concen: 241.892 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 112963

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	37.7	30.6	46.0

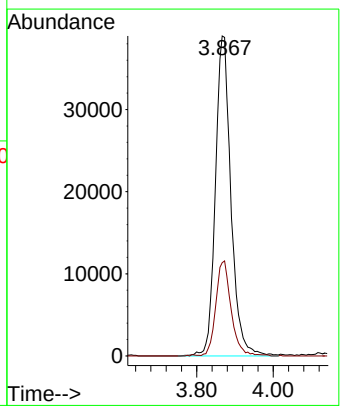


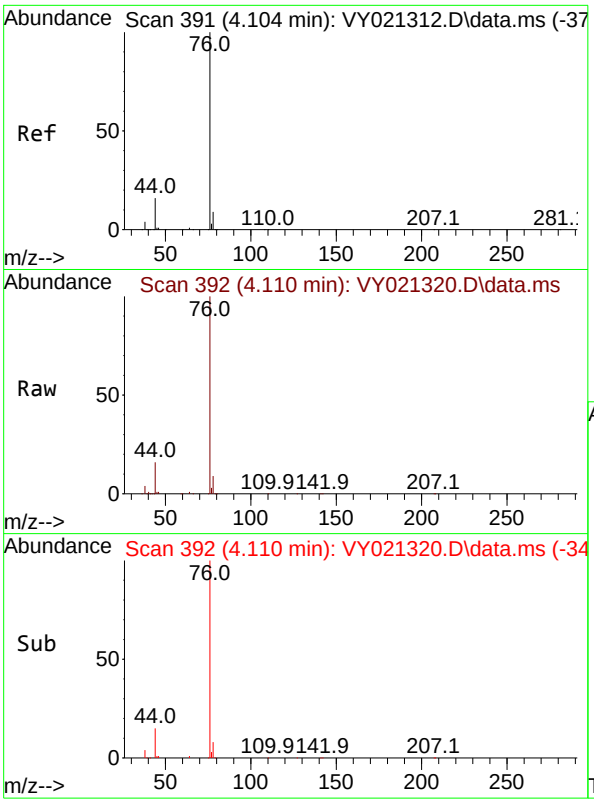


#16
Acetone
Concen: 260.267 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 109810

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.5	35.3



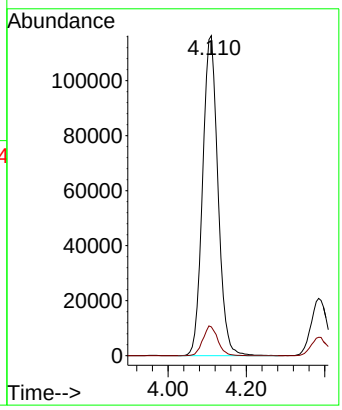


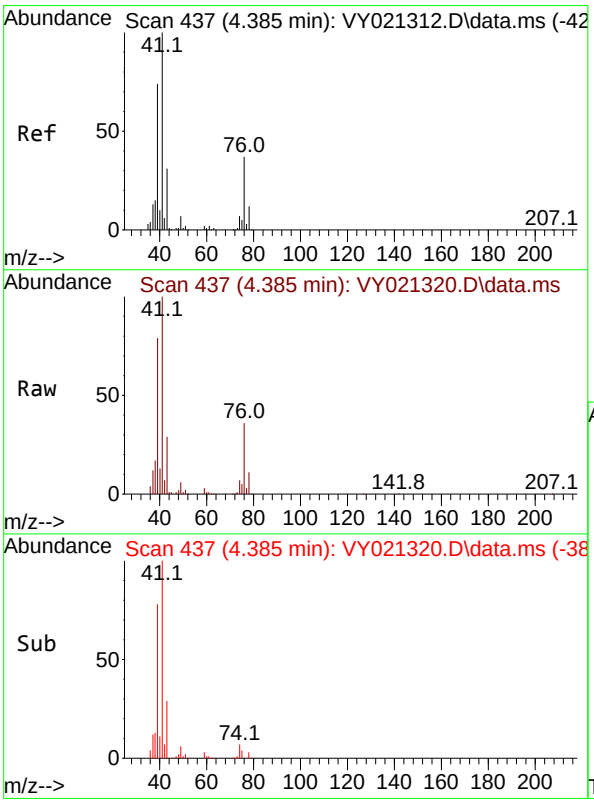
#17
Carbon Disulfide
Concen: 48.712 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 315561

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

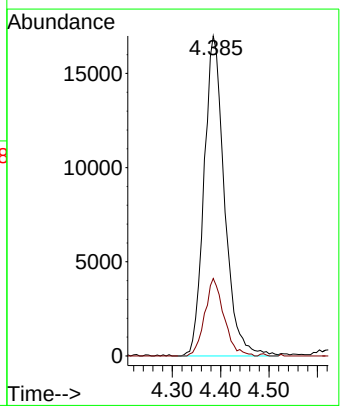


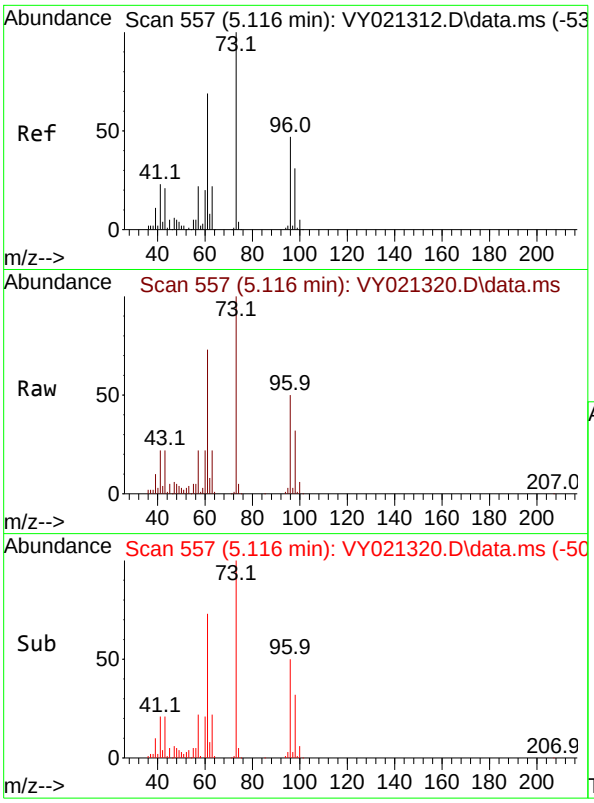


#18
Methyl Acetate
Concen: 48.342 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 49846

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.7	26.5



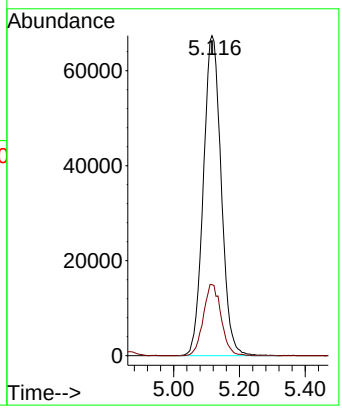


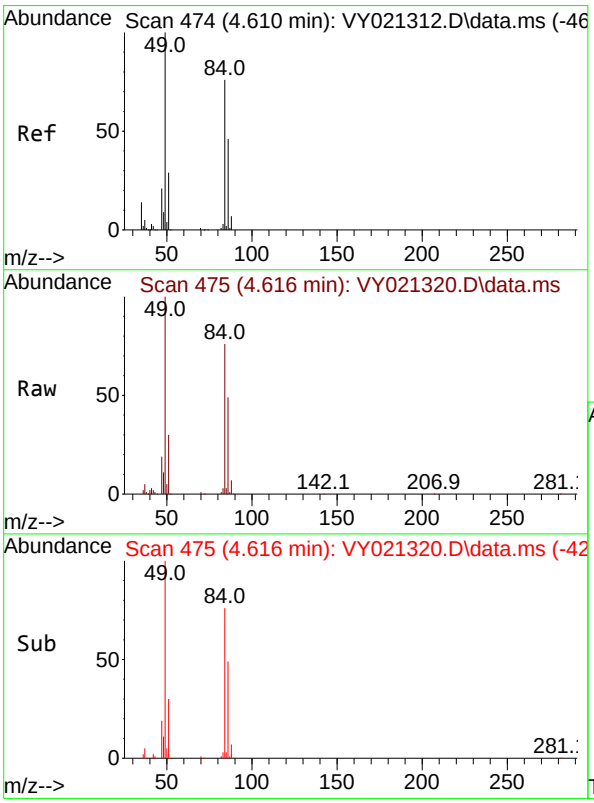
#19
Methyl tert-butyl Ether
Concen: 49.206 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 253623

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.0

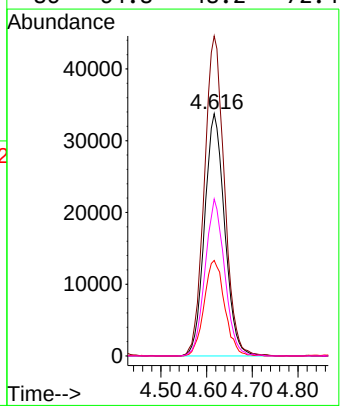


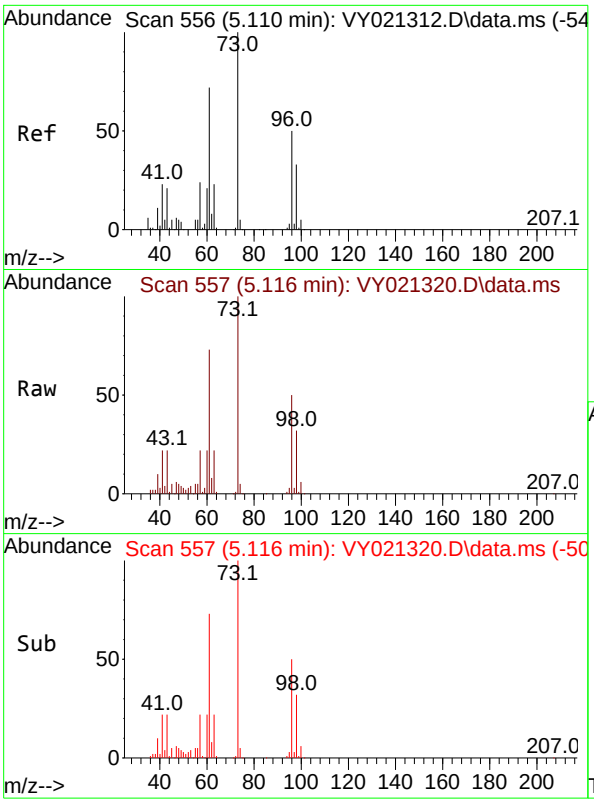


#20
Methylene Chloride
Concen: 45.263 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 84 Resp: 103268

Ion	Ratio	Lower	Upper
84	100		
49	132.1	105.1	157.7
51	39.5	31.0	46.4
86	64.8	48.2	72.4



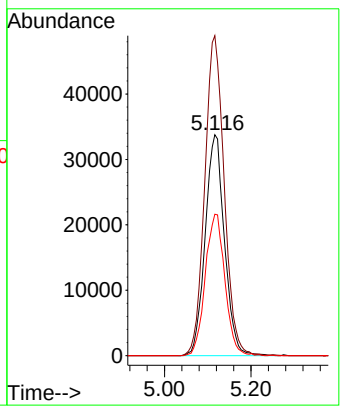


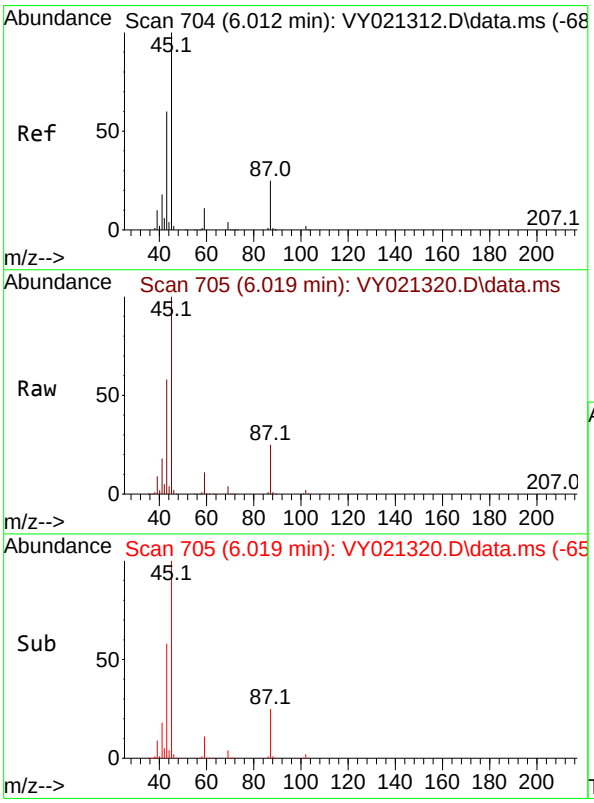
#21
trans-1,2-Dichloroethene
Concen: 48.708 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 104607

Ion	Ratio	Lower	Upper
96	100		
61	144.8	116.3	174.5
98	64.0	52.6	78.8

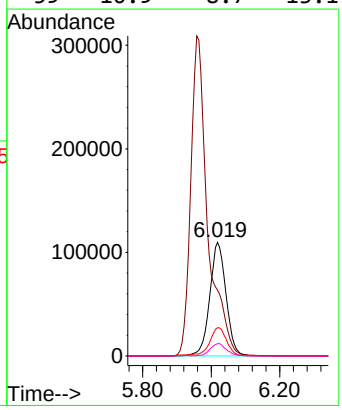


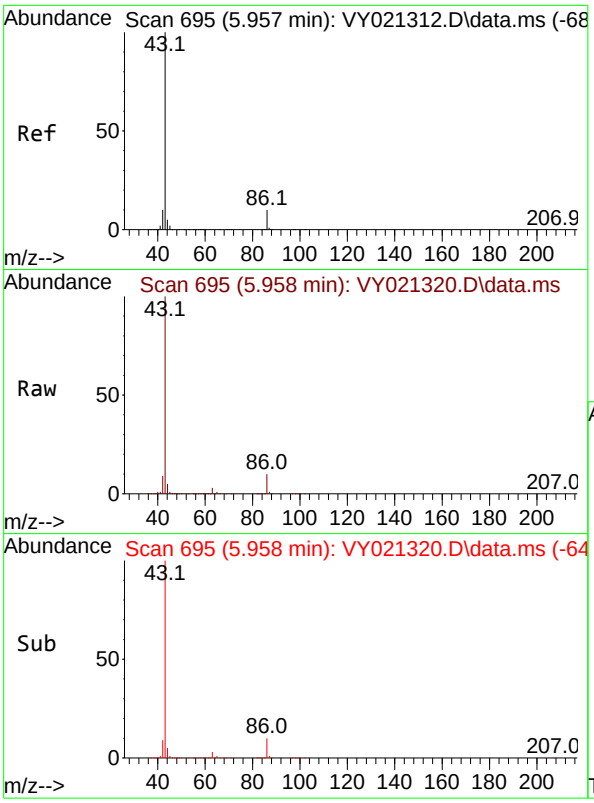


#22
Diisopropyl ether
Concen: 50.442 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 45 Resp: 361038

Ion	Ratio	Lower	Upper
45	100		
43	57.7	48.2	72.4
87	24.9	20.3	30.5
59	10.9	8.7	13.1



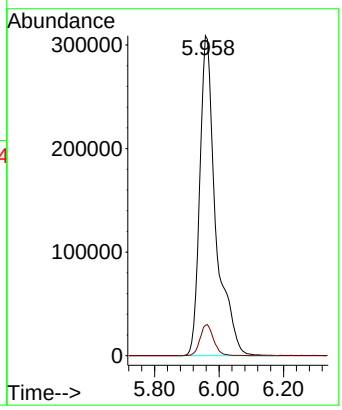


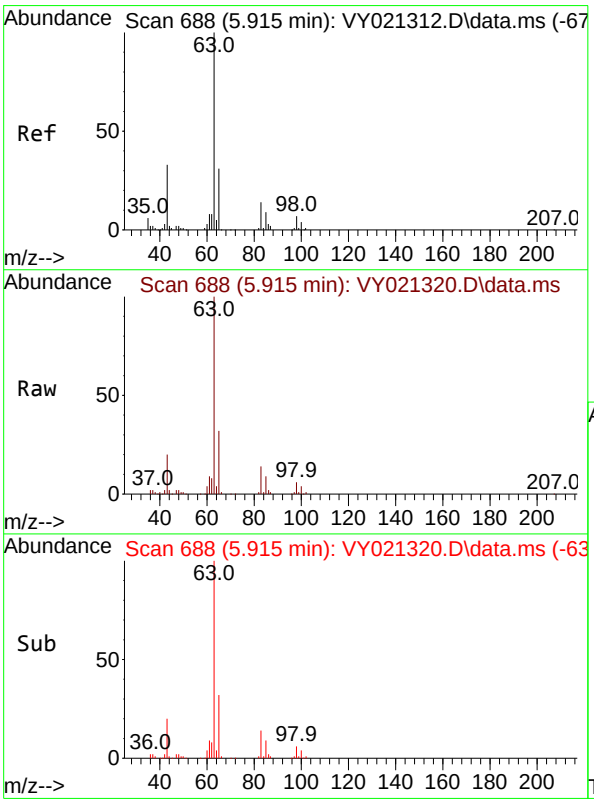
#23
Vinyl Acetate
Concen: 249.197 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1065848

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.0	12.0

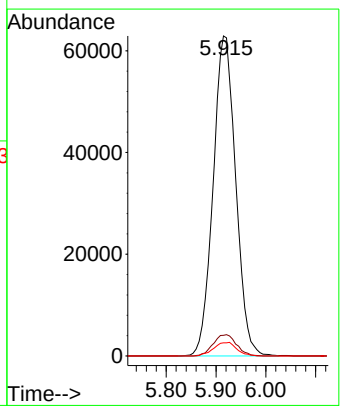


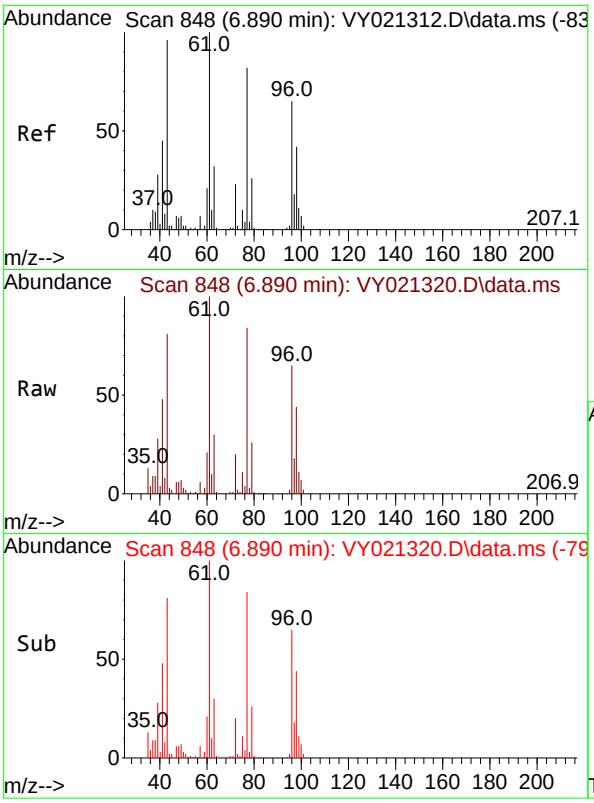


#24
1,1-Dichloroethane
Concen: 49.069 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 197949

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.7	11.1
100	4.1	2.1	6.5



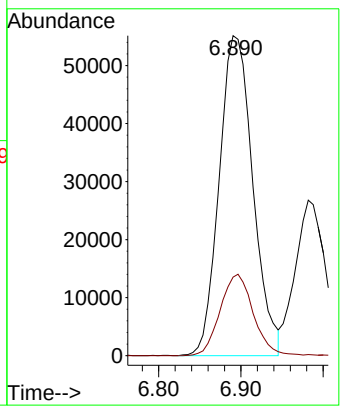


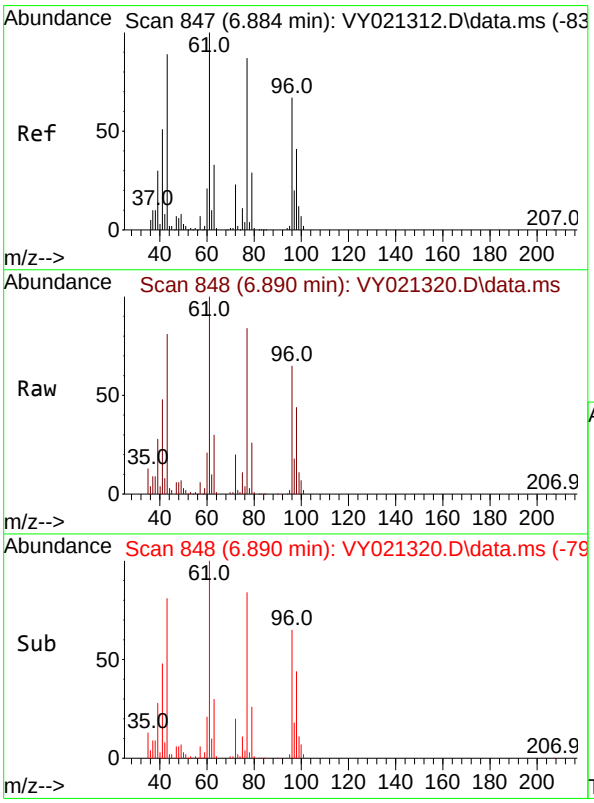
#25
2-Butanone
Concen: 246.999 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 157281

Ion	Ratio	Lower	Upper
43	100		
72	24.5	19.0	28.6

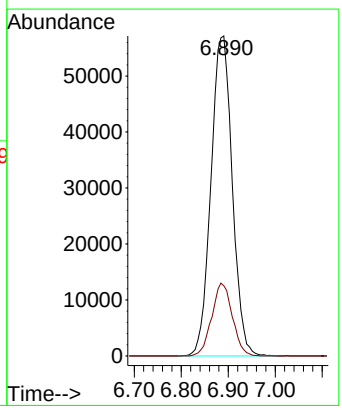


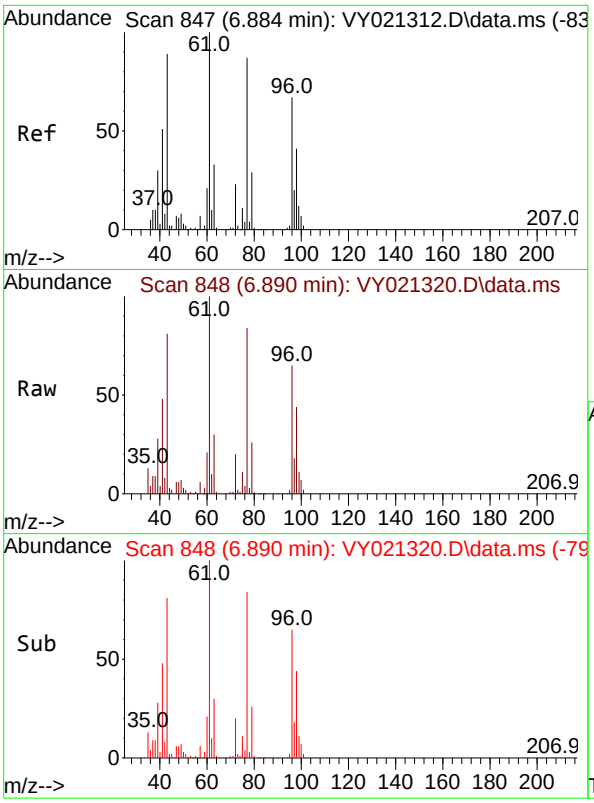


#26
2,2-Dichloropropane
Concen: 49.191 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 77 Resp: 180065

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.7



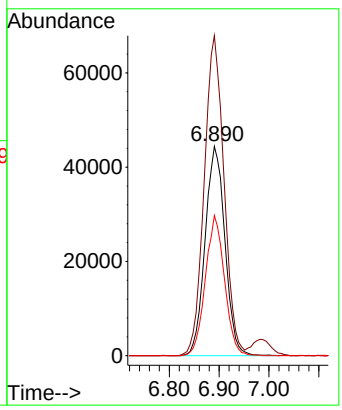


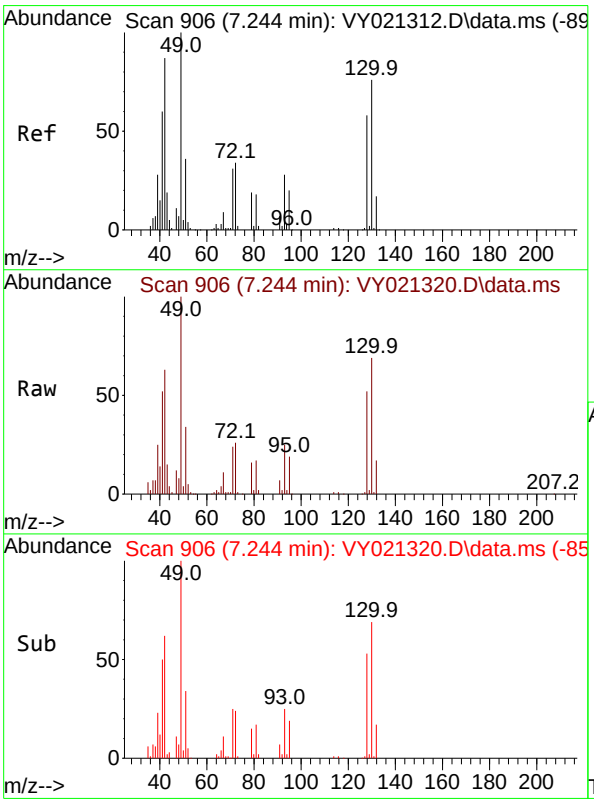
#27
cis-1,2-Dichloroethene
Concen: 50.053 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 122751

Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	308.0
98	64.6	0.0	129.6

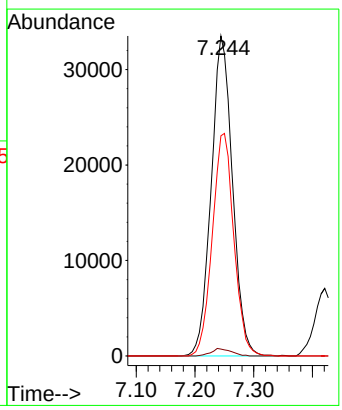


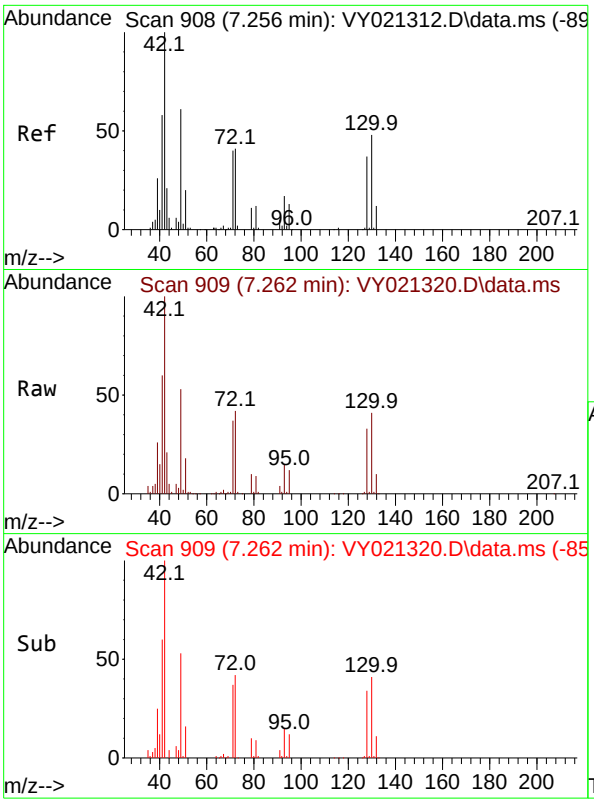


#28
Bromochloromethane
Concen: 47.247 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 49 Resp: 84337

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	70.3	57.8	86.6



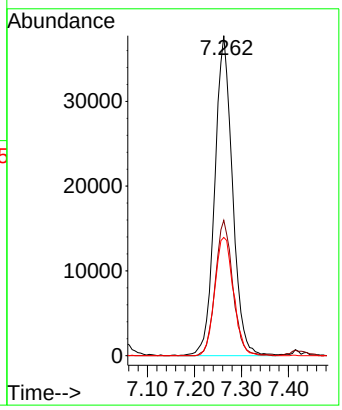


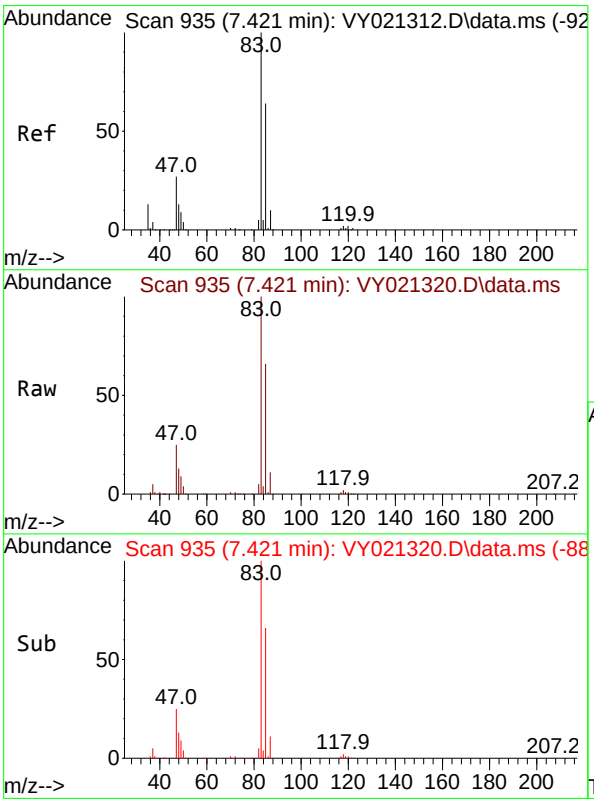
#29
Tetrahydrofuran
Concen: 238.435 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 99242

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.1	49.7
71	39.1	31.4	47.0

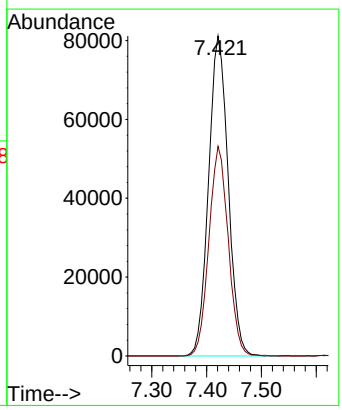


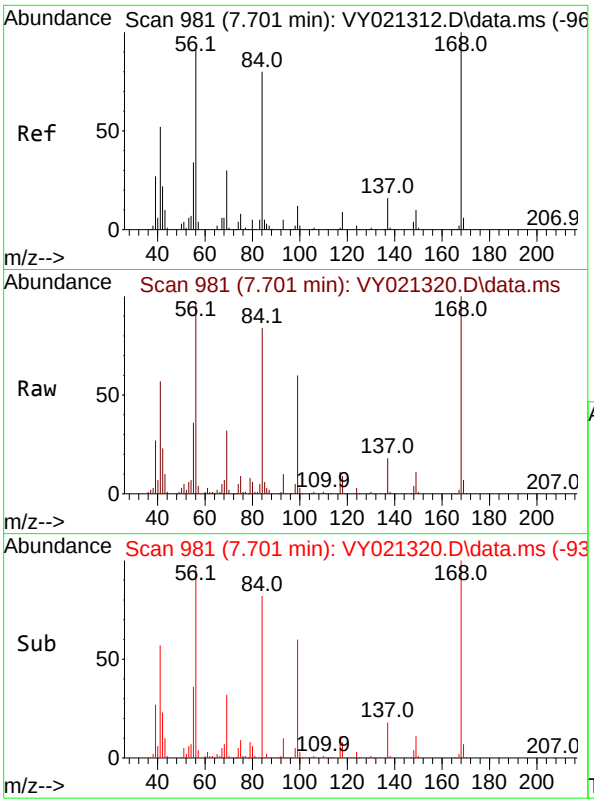


#30
Chloroform
Concen: 49.253 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 83 Resp: 201334

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.6	77.4



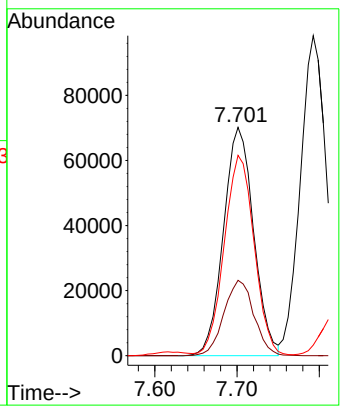


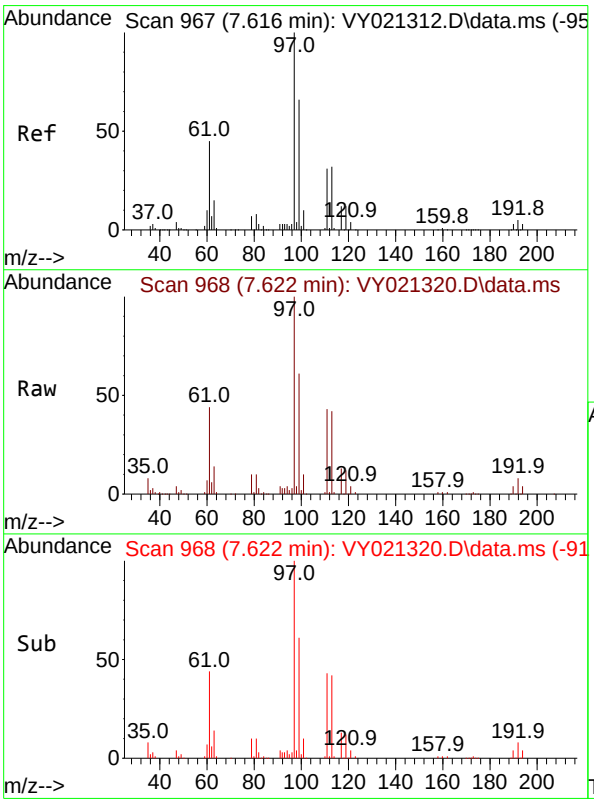
#31
Cyclohexane
Concen: 46.094 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 178746

Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	86.1	70.2	105.4

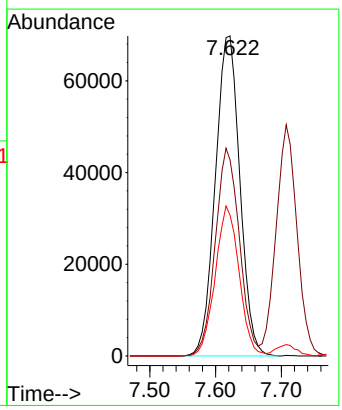


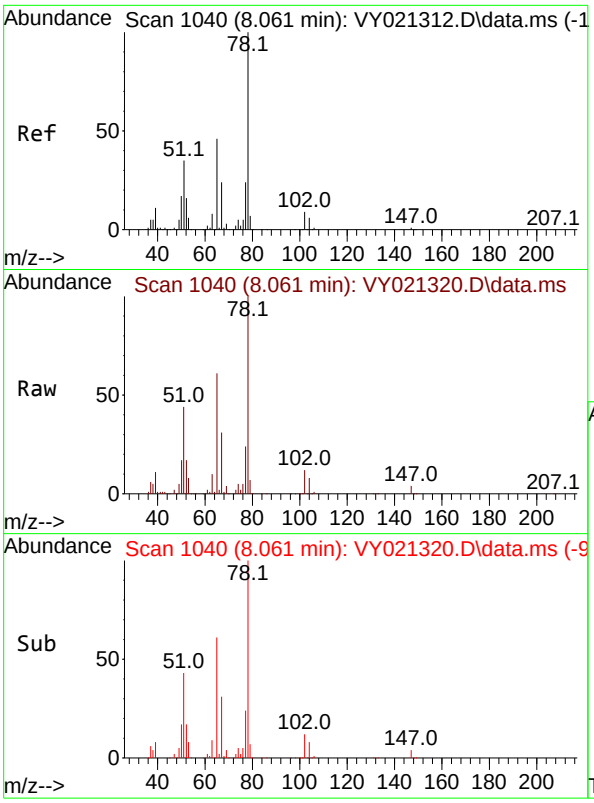


#32
1,1,1-Trichloroethane
Concen: 48.795 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 97 Resp: 181553

Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.4	78.6
61	45.6	36.2	54.2



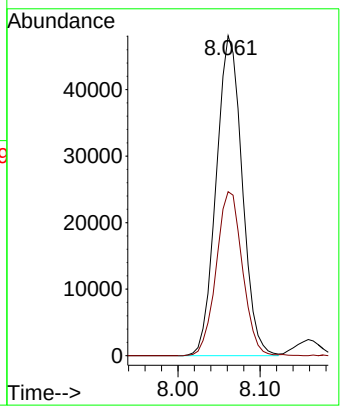


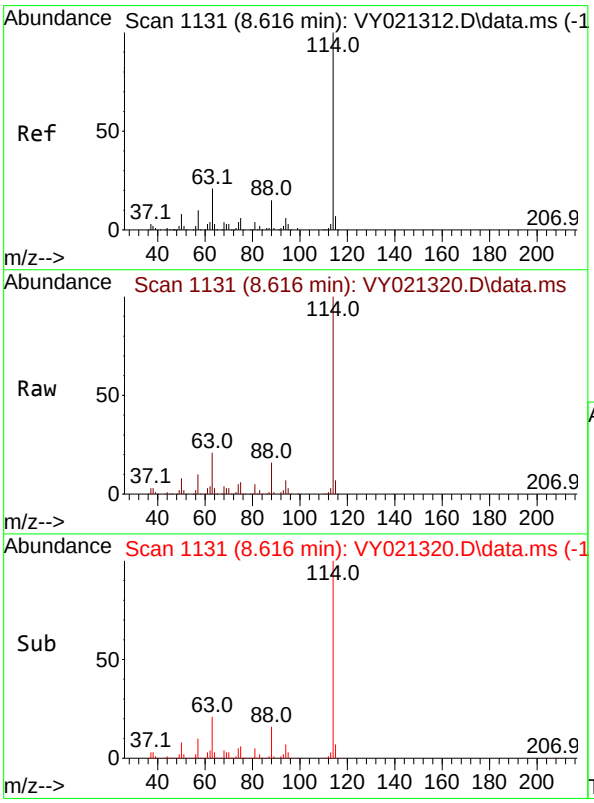
#33
1,2-Dichloroethane-d4
Concen: 47.987 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 105547

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6

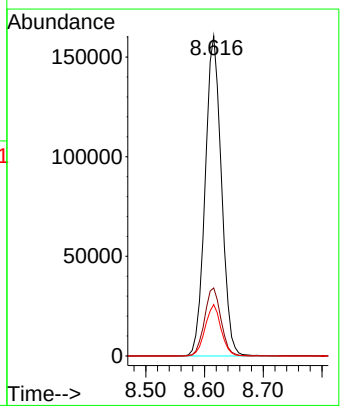


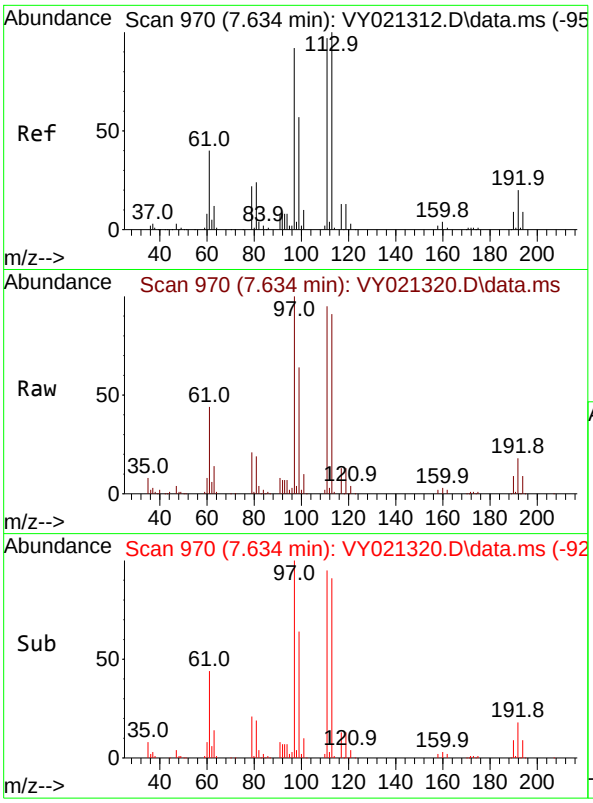


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:114 Resp: 308714

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.2
88	16.0	0.0	29.8



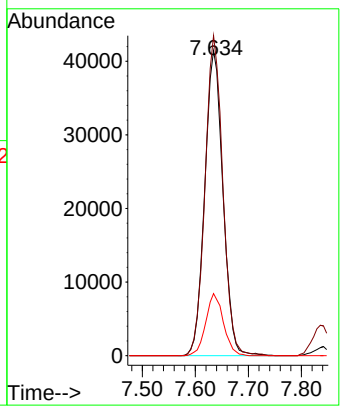


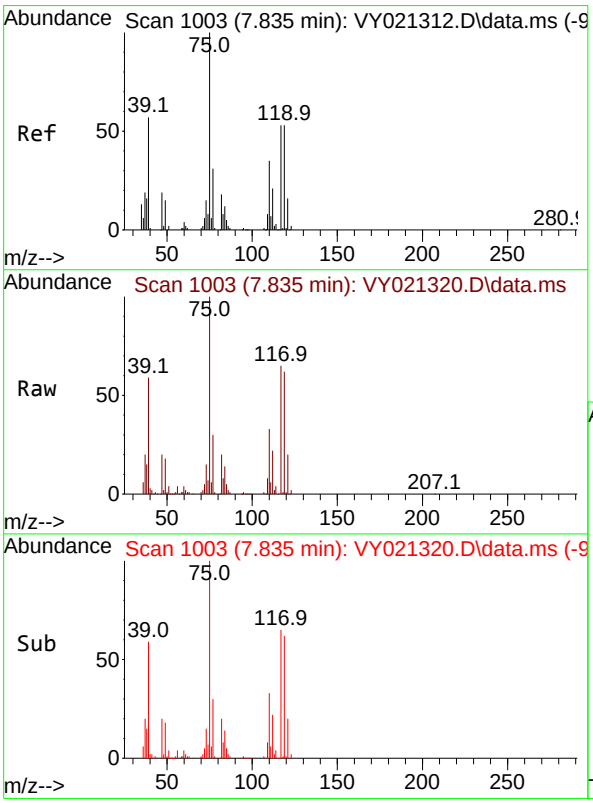
#35
Dibromofluoromethane
Concen: 48.743 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 98654

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.0	121.6
192	19.8	15.8	23.8

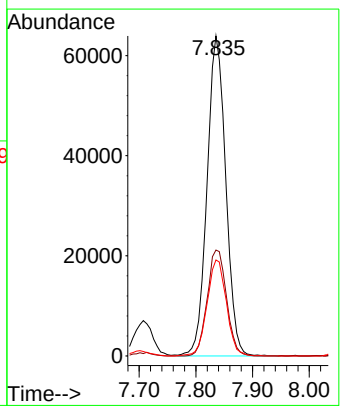


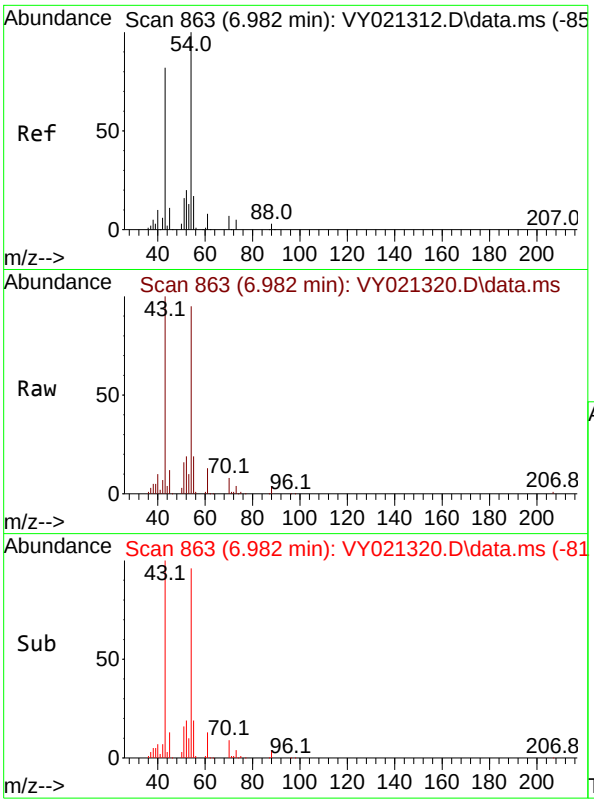


#36
1,1-Dichloropropene
Concen: 48.254 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 146702

Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.9	50.7
77	30.9	24.6	36.8



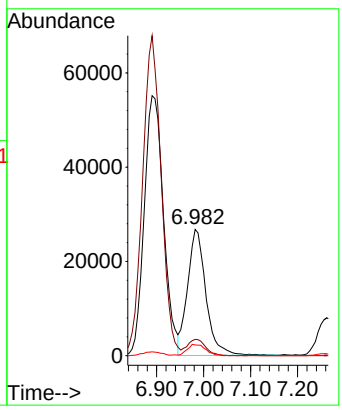


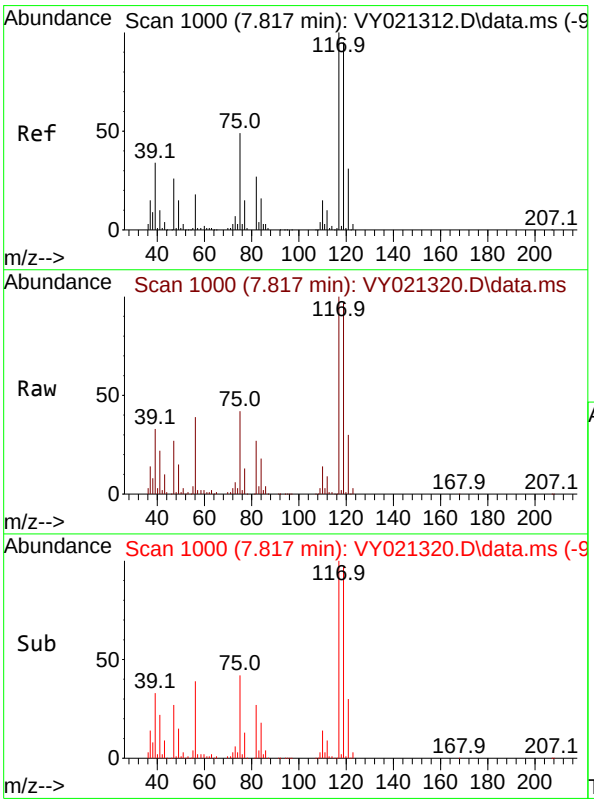
#37
Ethyl Acetate
Concen: 48.080 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 72710

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.2	7.5	11.3

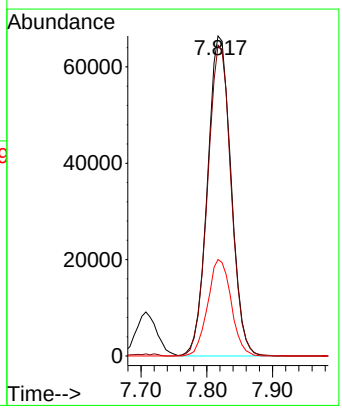


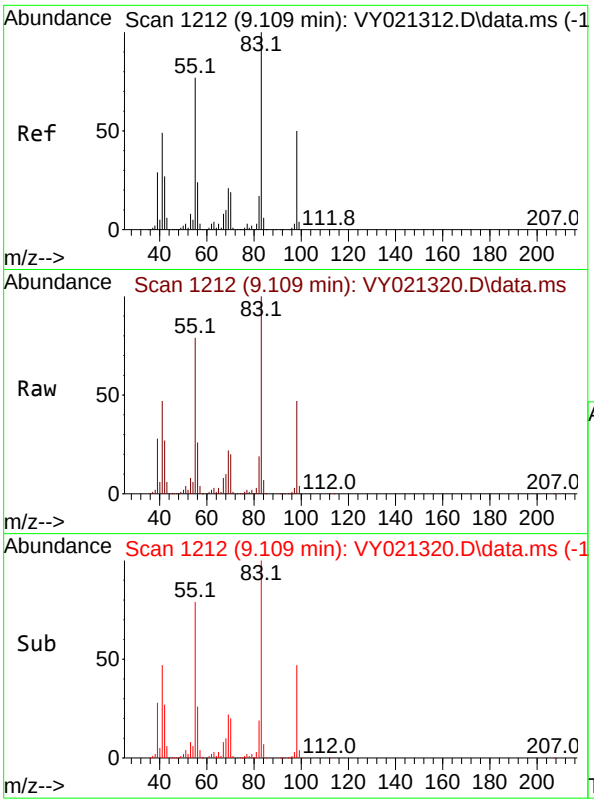


#38
Carbon Tetrachloride
Concen: 48.402 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 165430

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.0	114.0
121	30.1	24.9	37.3



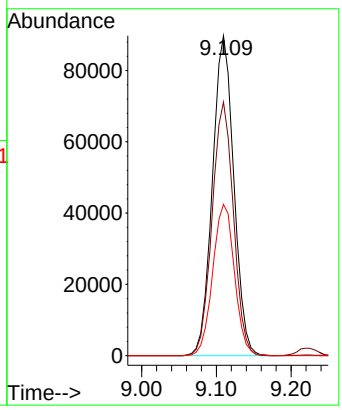


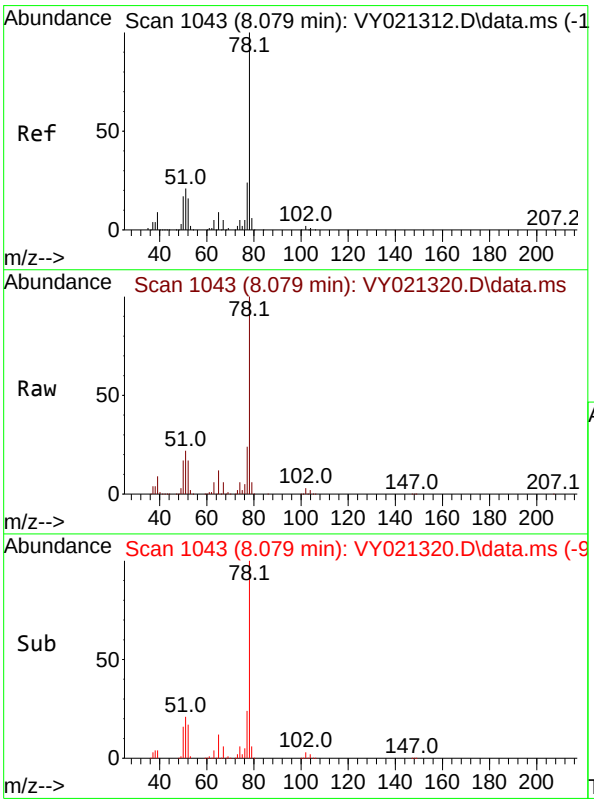
#39
Methylcyclohexane
Concen: 46.422 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 178508

Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.3	91.9
98	47.3	39.9	59.9

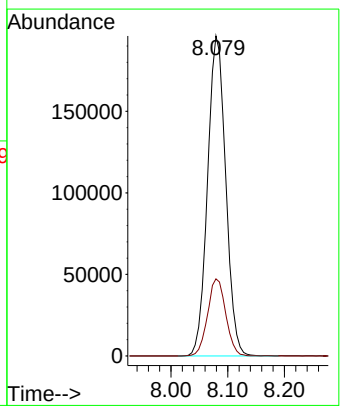


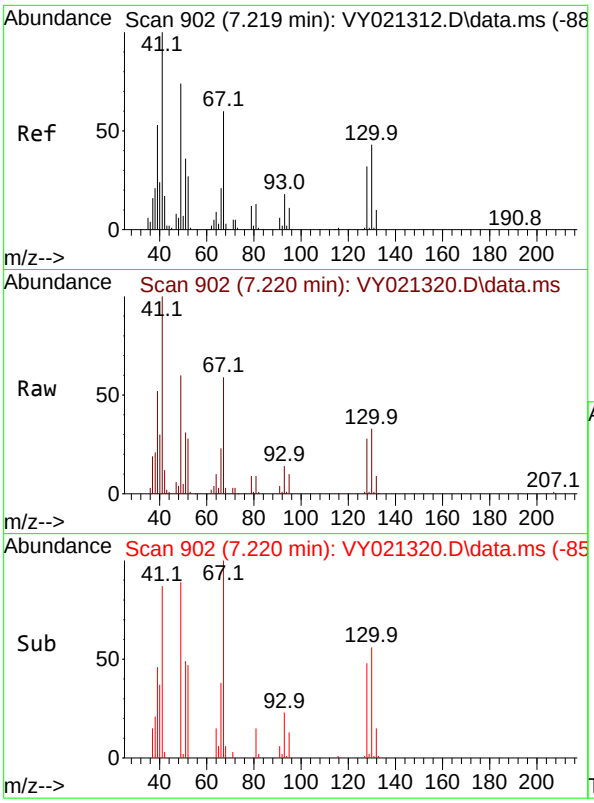


#40
Benzene
Concen: 48.593 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 78 Resp: 436709

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8



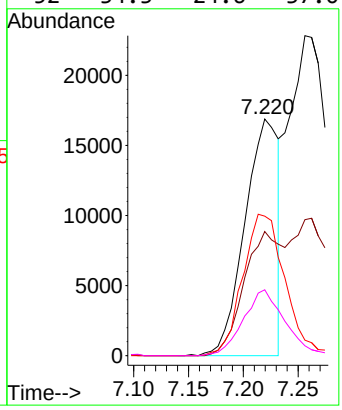


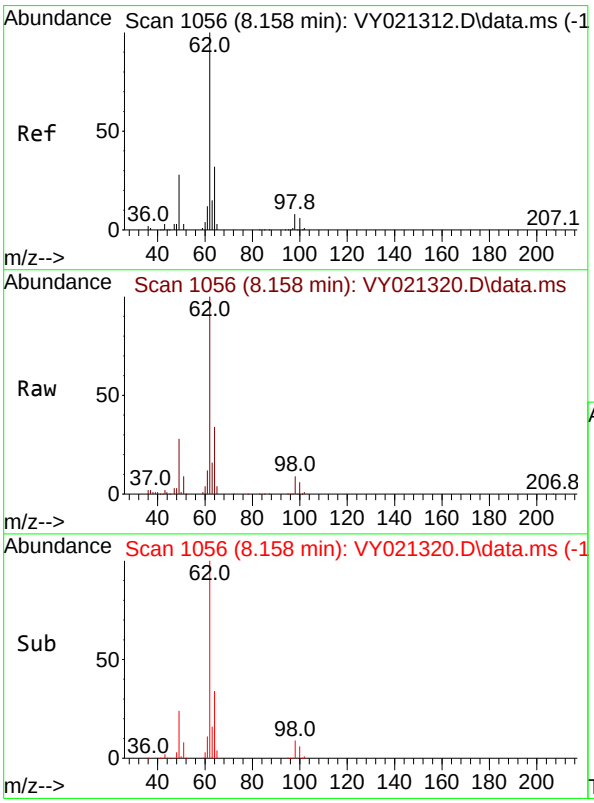
#41
Methacrylonitrile
Concen: 42.766 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 36160

Ion	Ratio	Lower	Upper
41	100		
39	61.0	42.3	63.5
67	75.4	54.8	82.2
52	34.3	24.6	37.0

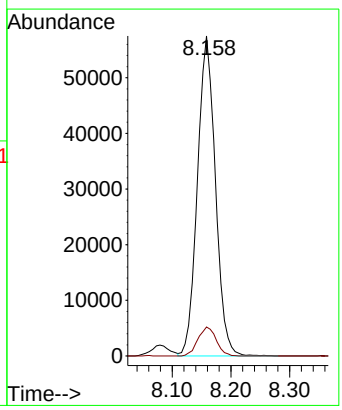


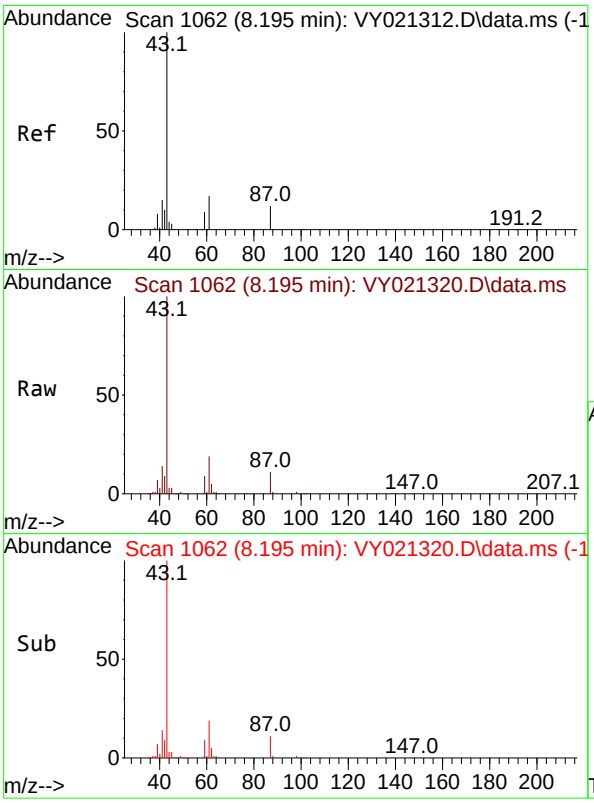


#42
1,2-Dichloroethane
Concen: 47.978 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 62 Resp: 122335

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.6



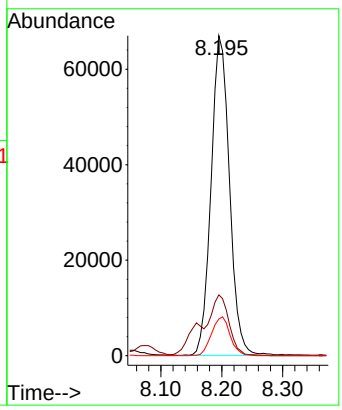


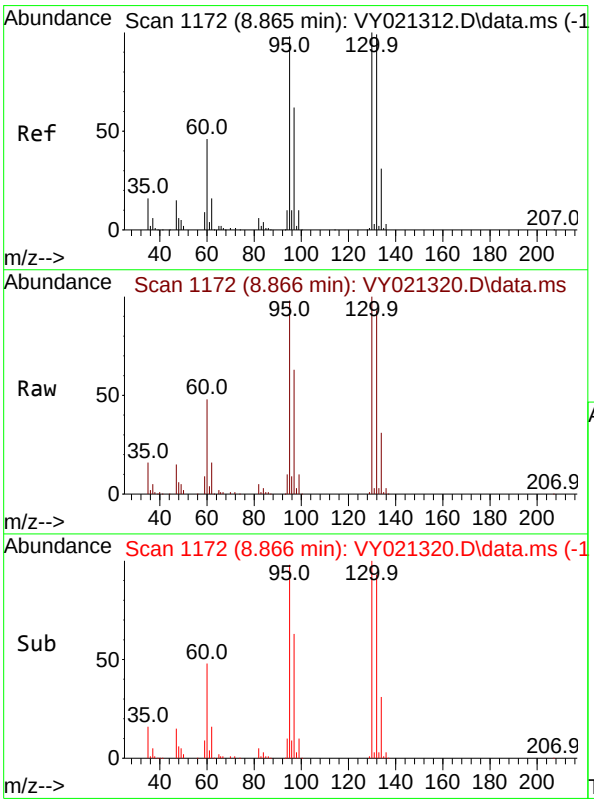
#43
Isopropyl Acetate
Concen: 47.984 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 140455

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.0	22.6
87	12.3	10.0	15.0

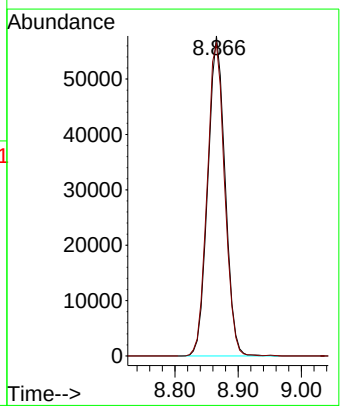


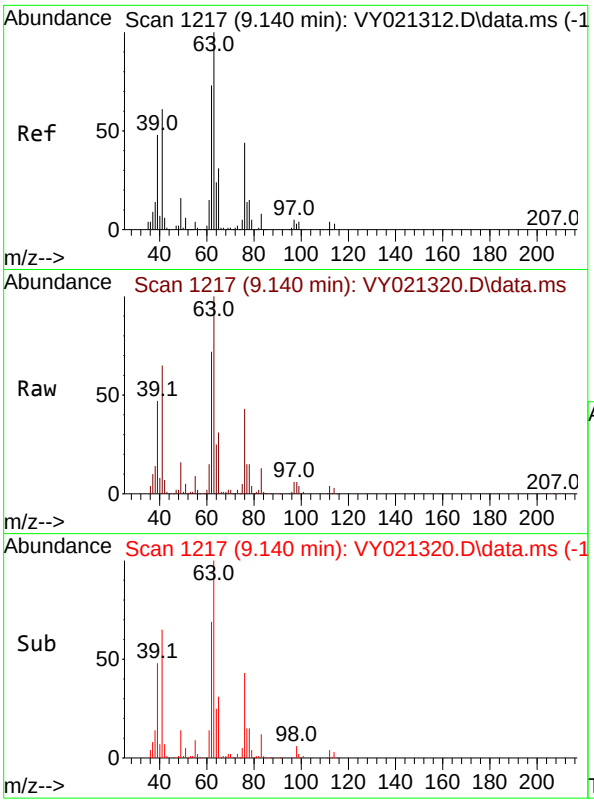


#44
Trichloroethene
Concen: 48.665 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:130 Resp: 109499

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	196.0



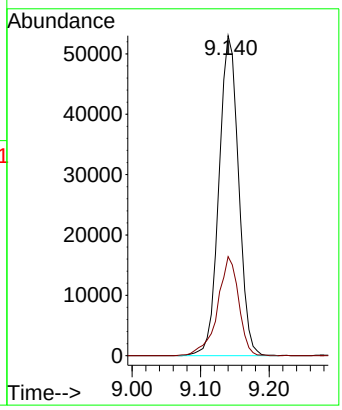


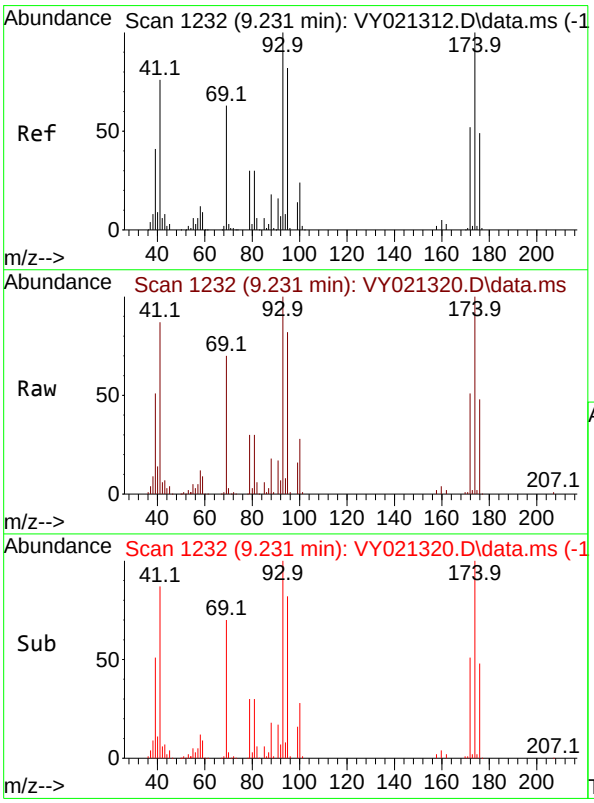
#45
1,2-Dichloropropane
Concen: 48.637 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 105190

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	36.8

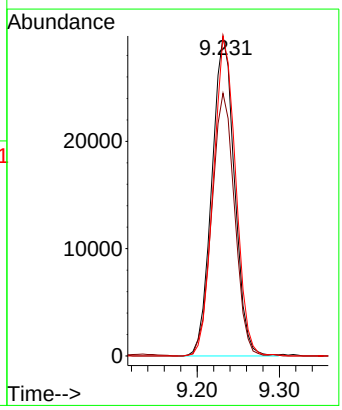


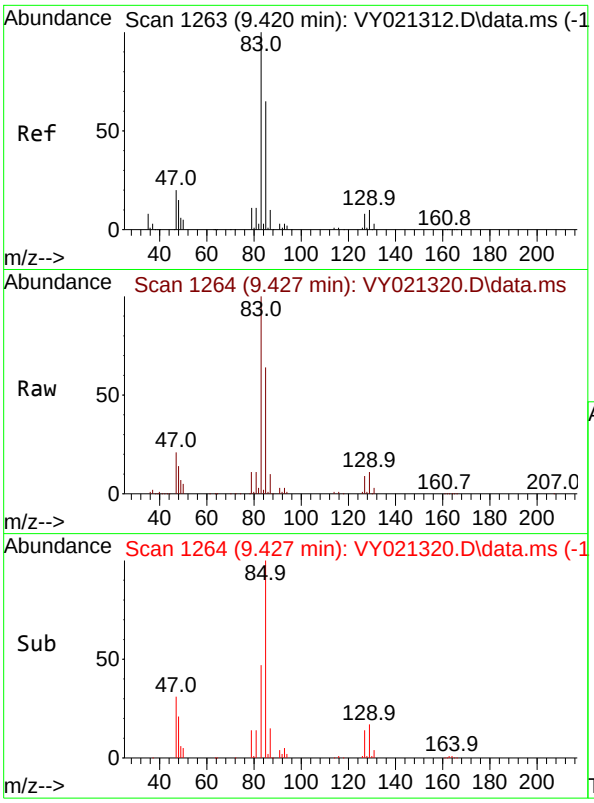


#46
Dibromomethane
Concen: 48.195 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 93 Resp: 56977

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.4	99.6
174	98.8	78.2	117.2



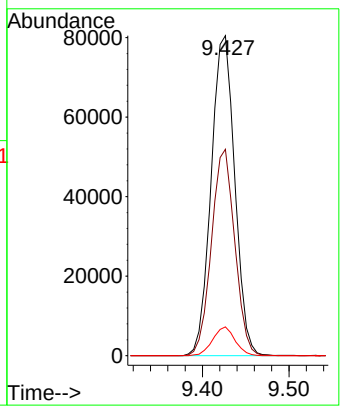


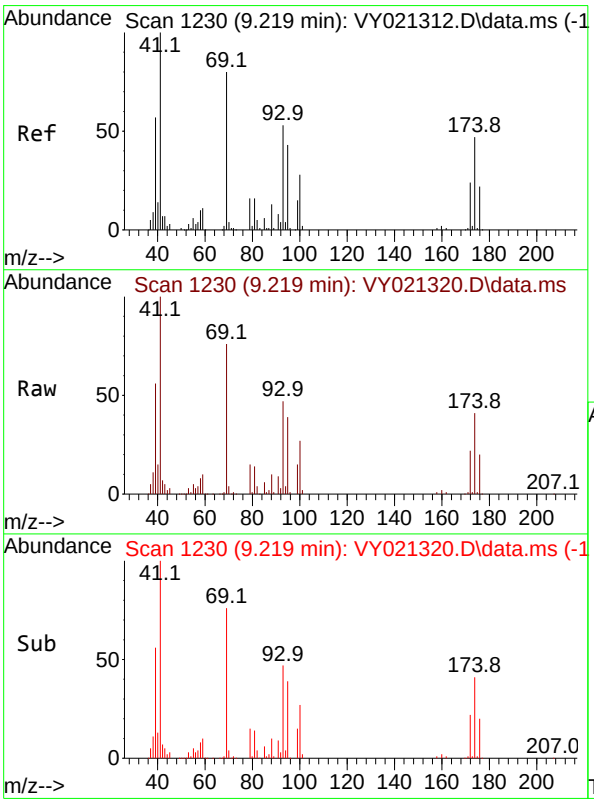
#47
Bromodichloromethane
Concen: 48.352 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 152416

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8
127	9.0	6.7	10.1

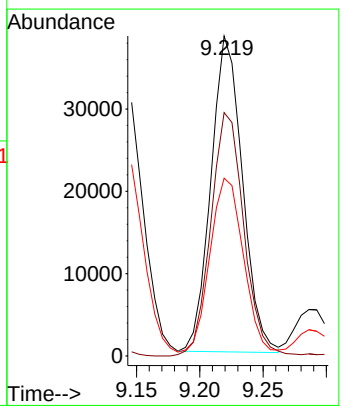


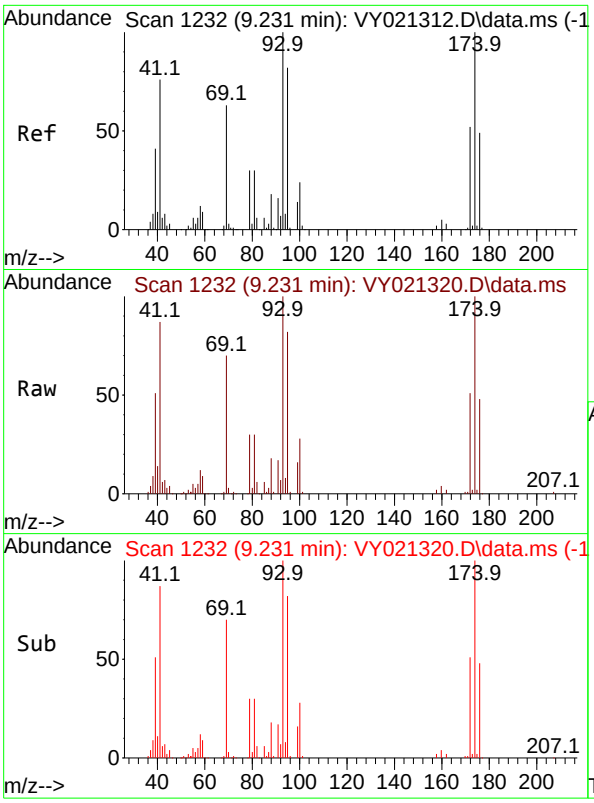


#48
Methyl methacrylate
Concen: 48.481 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 41 Resp: 66362

Ion	Ratio	Lower	Upper
41	100		
69	80.7	63.3	94.9
39	58.6	45.0	67.6



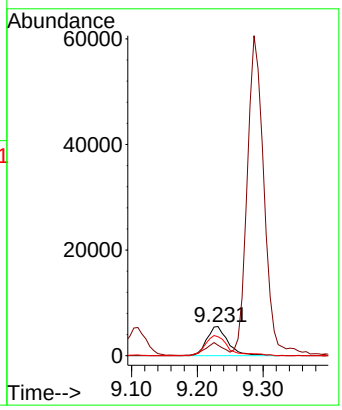


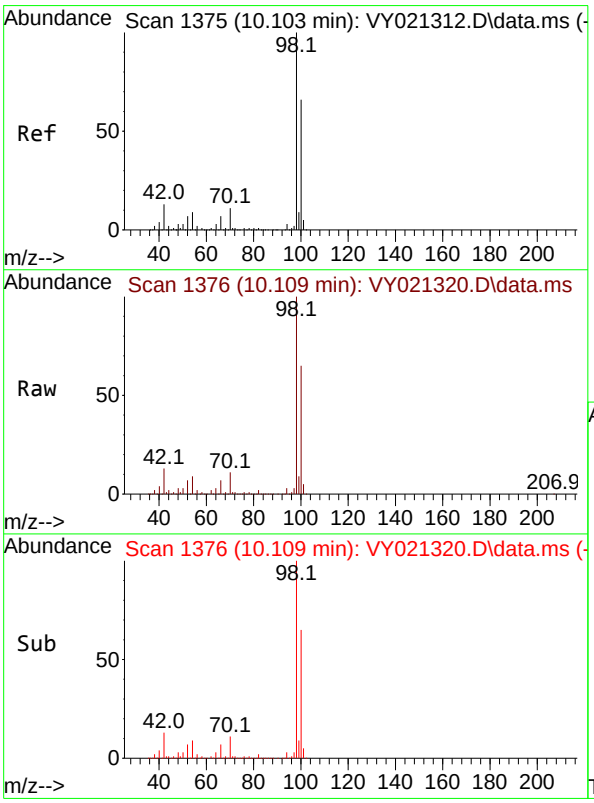
#49
1,4-Dioxane
Concen: 944.605 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 12417

Ion	Ratio	Lower	Upper
88	100		
43	35.7	34.8	52.2
58	74.3	59.8	89.6

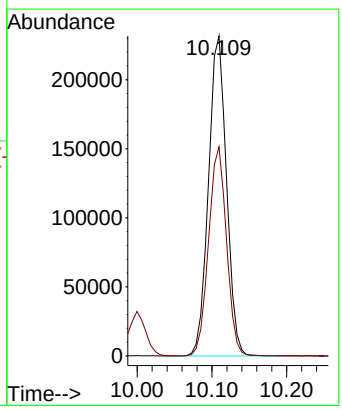


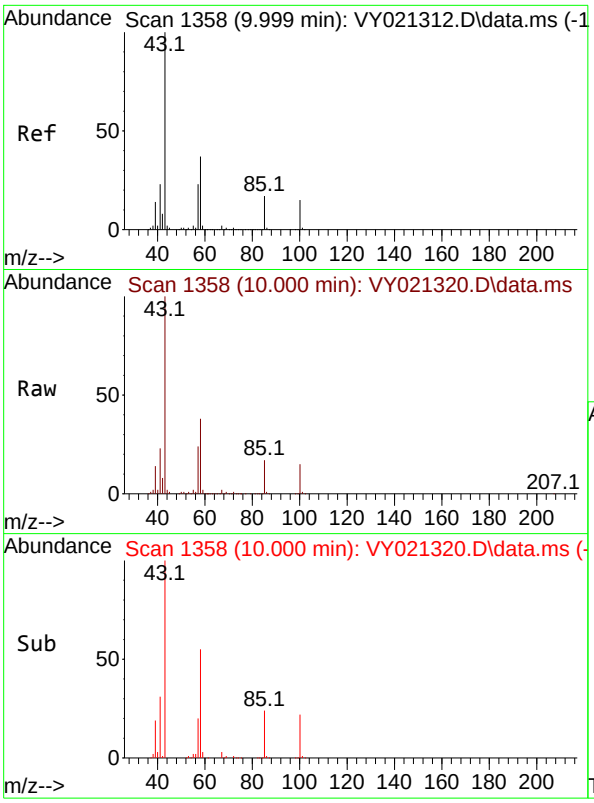


#50
Toluene-d8
Concen: 49.599 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 98 Resp: 387966

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6



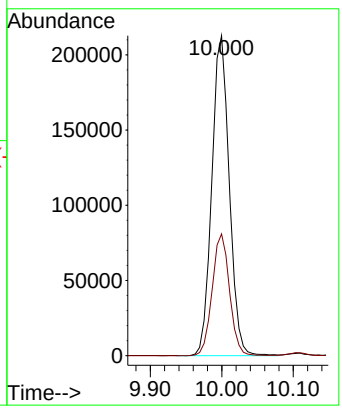


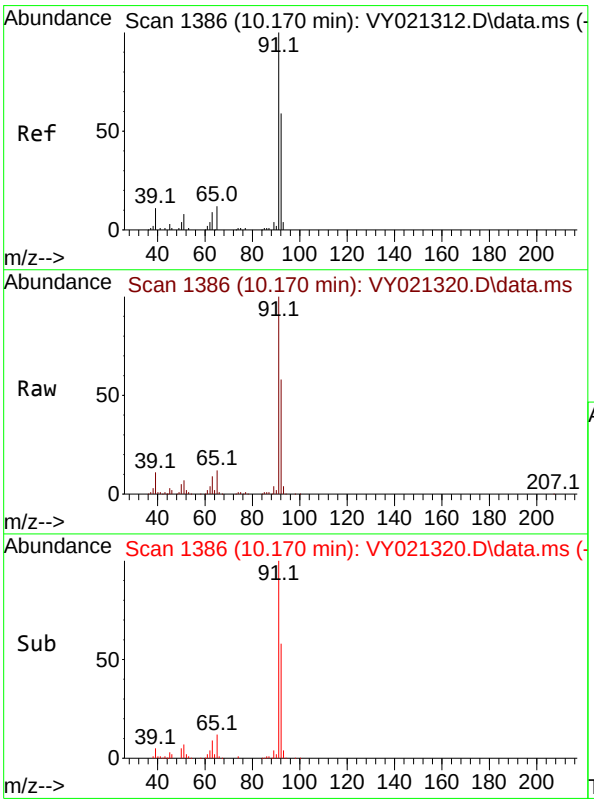
#51
4-Methyl-2-Pentanone
Concen: 240.853 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 360891

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1

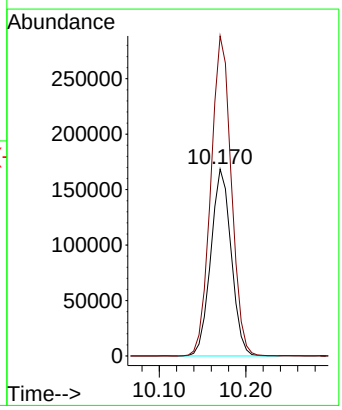


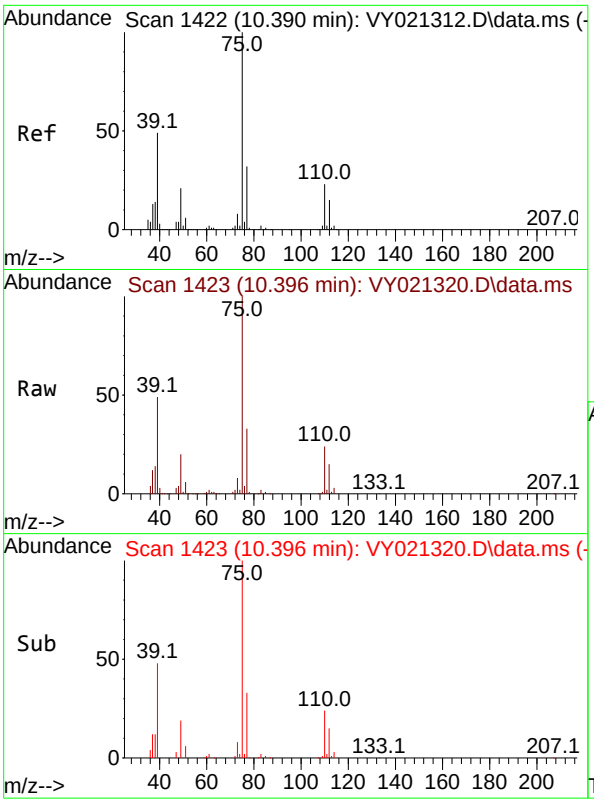


#52
Toluene
Concen: 49.351 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 92 Resp: 275527

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.8	206.8



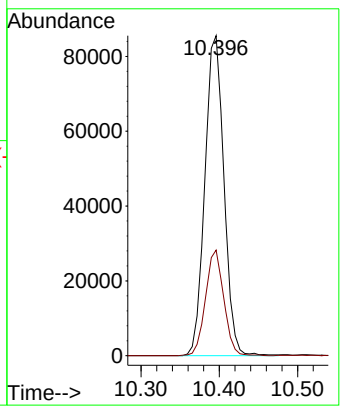


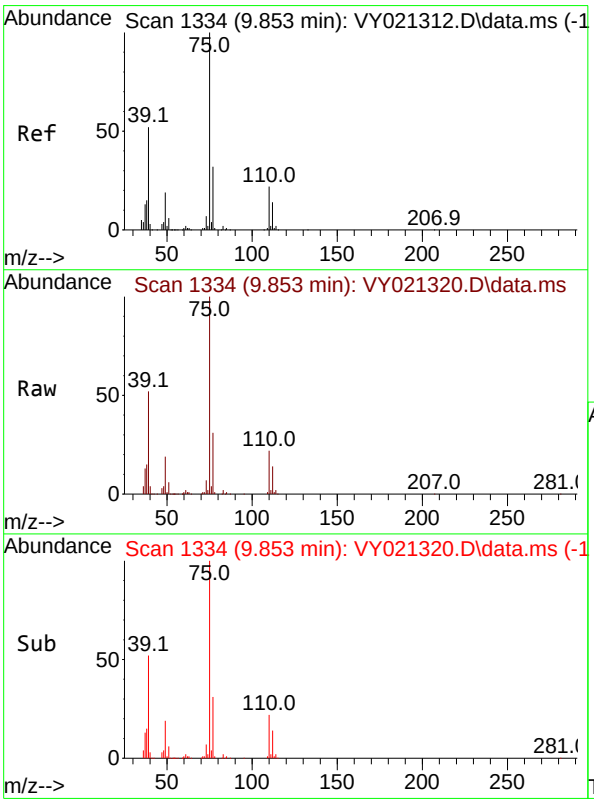
#53
t-1,3-Dichloropropene
Concen: 49.988 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 144366

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9

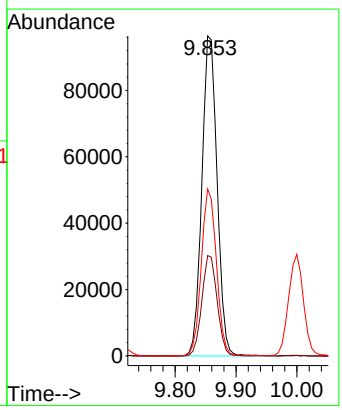


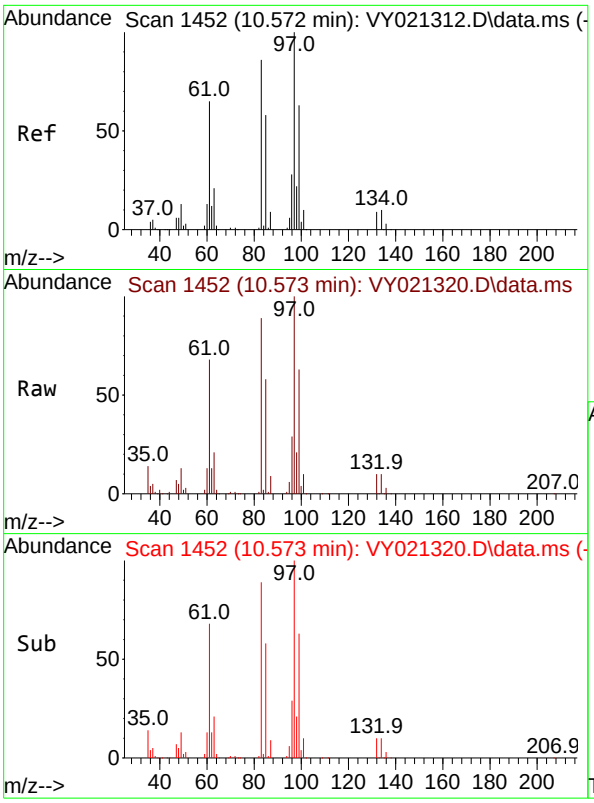


#54
cis-1,3-Dichloropropene
Concen: 49.192 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 167718

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5
39	52.1	41.8	62.6



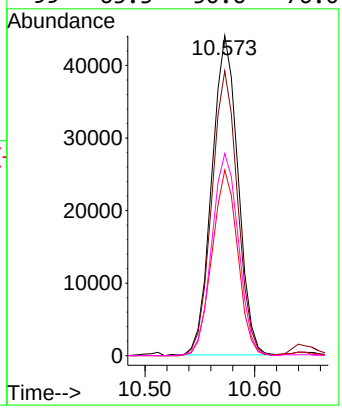


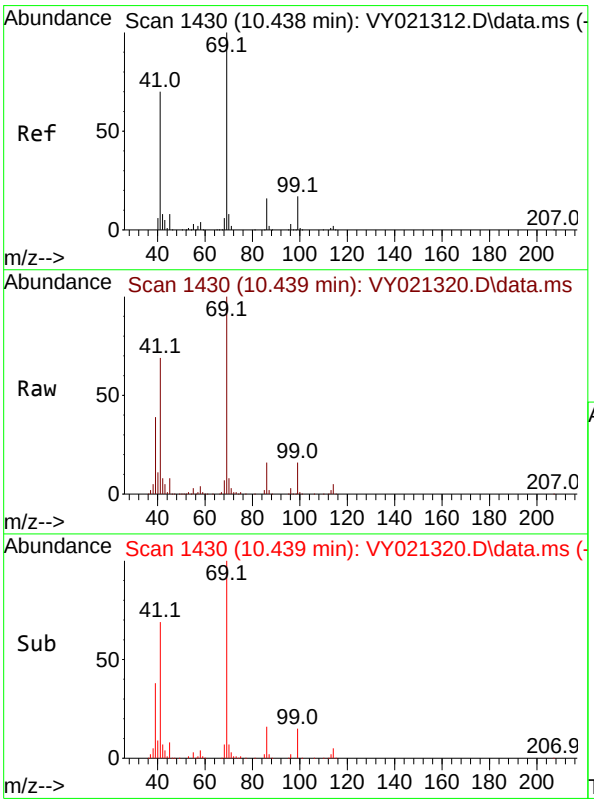
#55
1,1,2-Trichloroethane
Concen: 47.334 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 72899

Ion	Ratio	Lower	Upper
97	100		
83	89.2	68.7	103.1
85	58.2	46.3	69.5
99	63.3	50.6	76.0

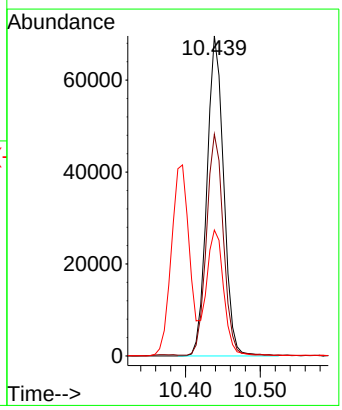


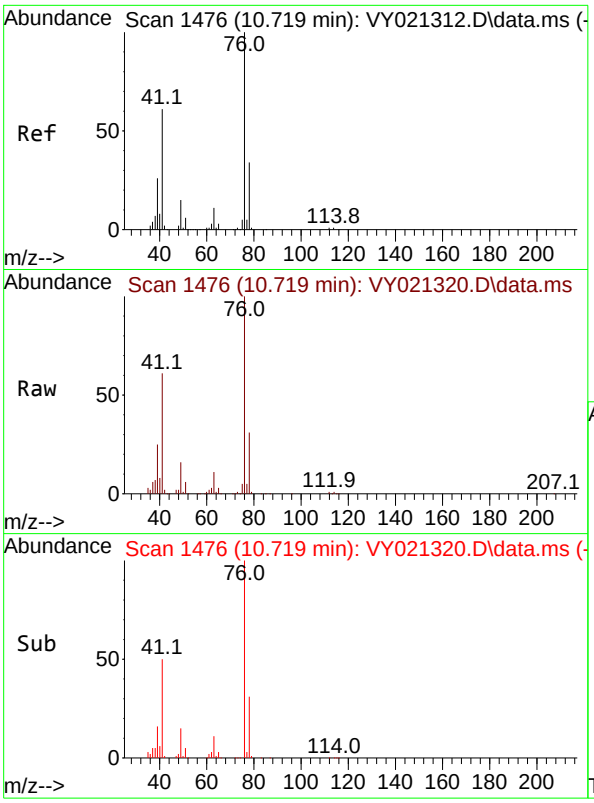


#56
Ethyl methacrylate
Concen: 50.979 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 69 Resp: 108485

Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.2	84.4
39	41.3	32.7	49.1



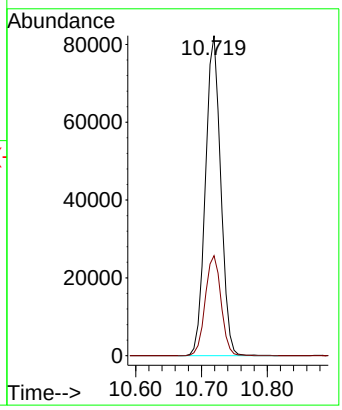


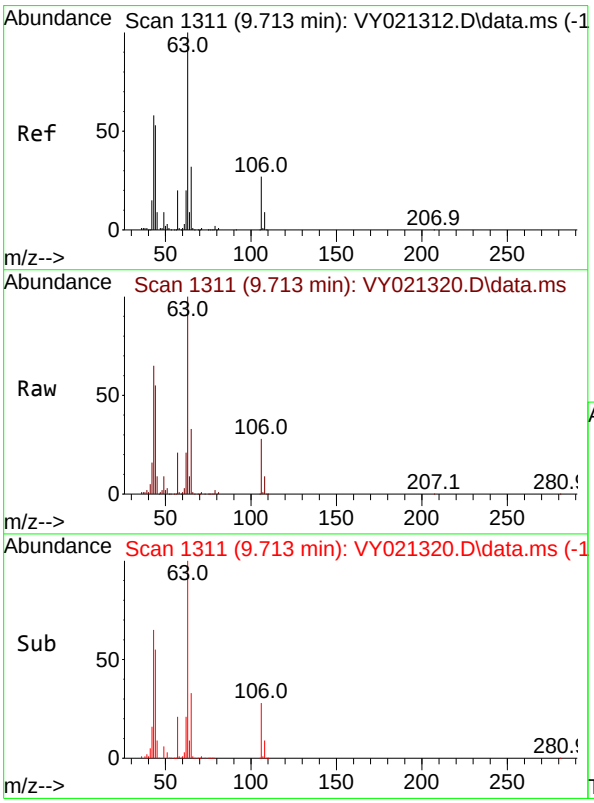
#57
1,3-Dichloropropane
Concen: 49.183 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 132919

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

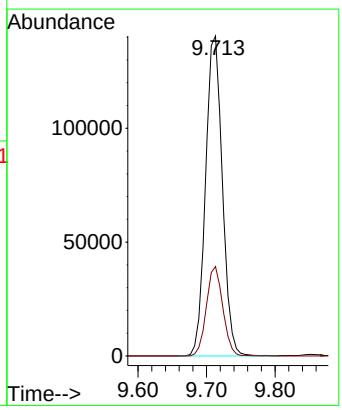


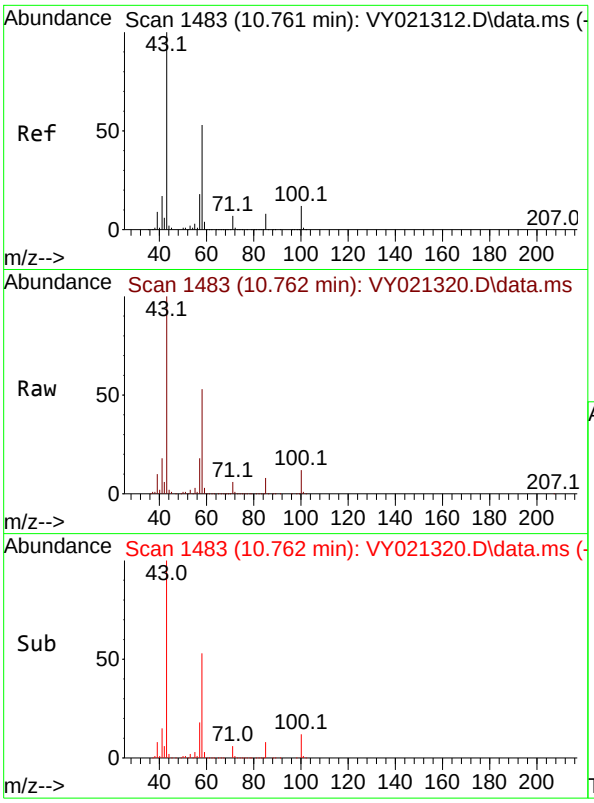


#58
2-Chloroethyl Vinyl ether
Concen: 234.614 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 63 Resp: 239640

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.7	32.5



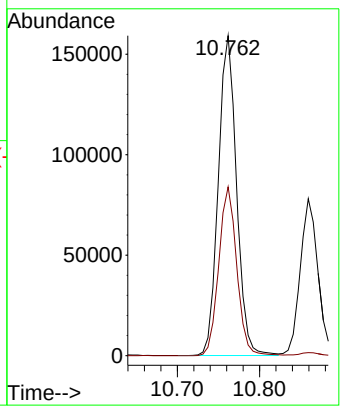


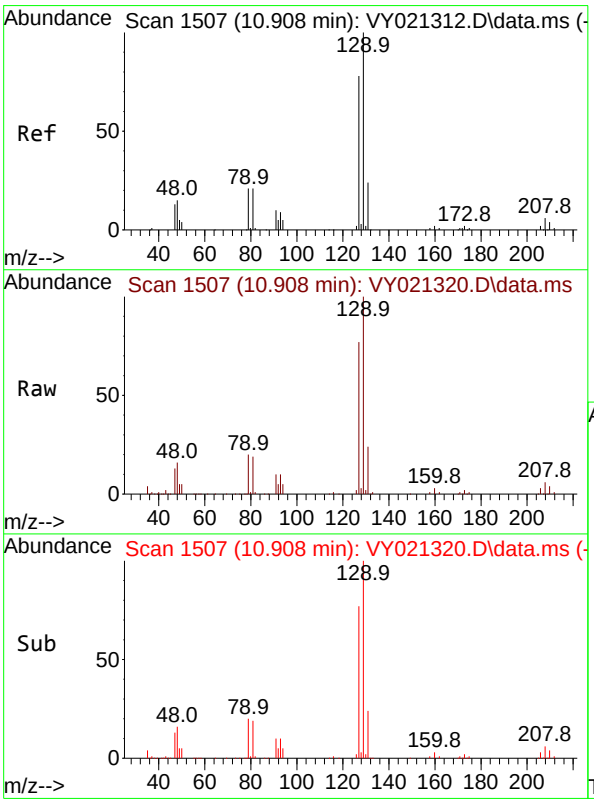
#59
2-Hexanone
Concen: 249.476 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 245501

Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.9	77.6

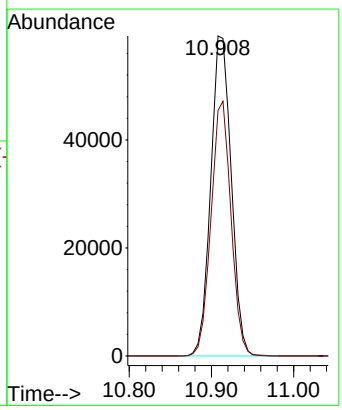


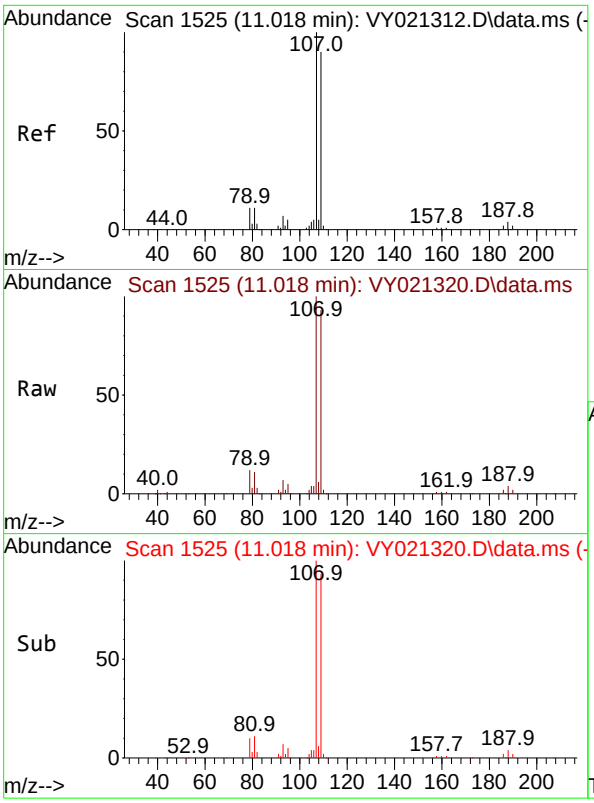


#60
Dibromochloromethane
Concen: 48.867 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:129 Resp: 102499

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.8	116.4



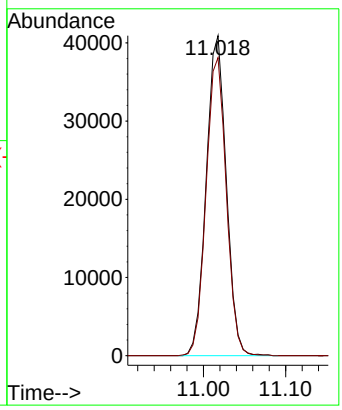


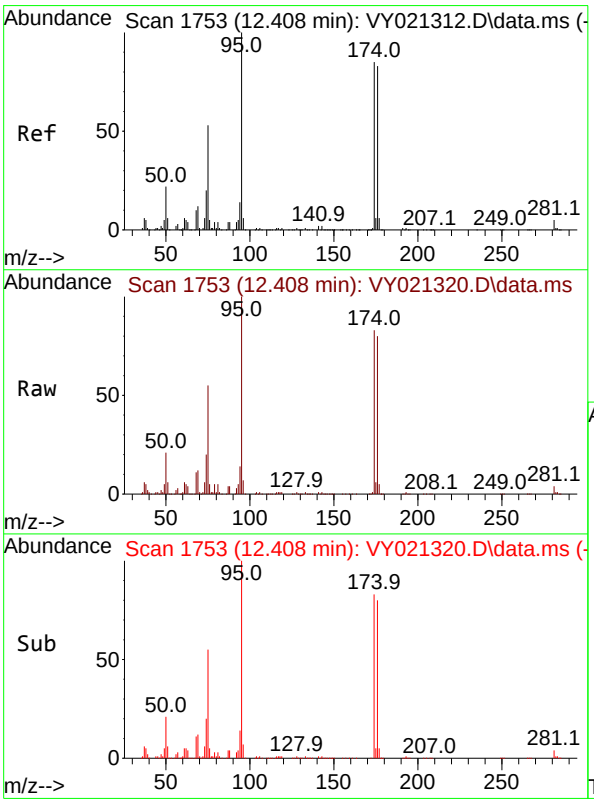
#61
1,2-Dibromoethane
Concen: 47.532 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 69304

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.8	110.8

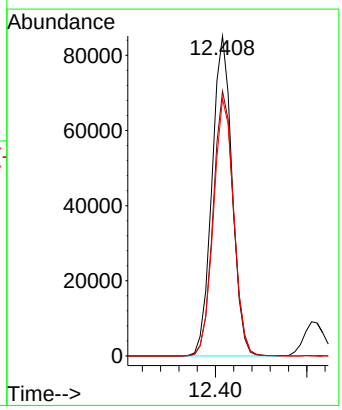


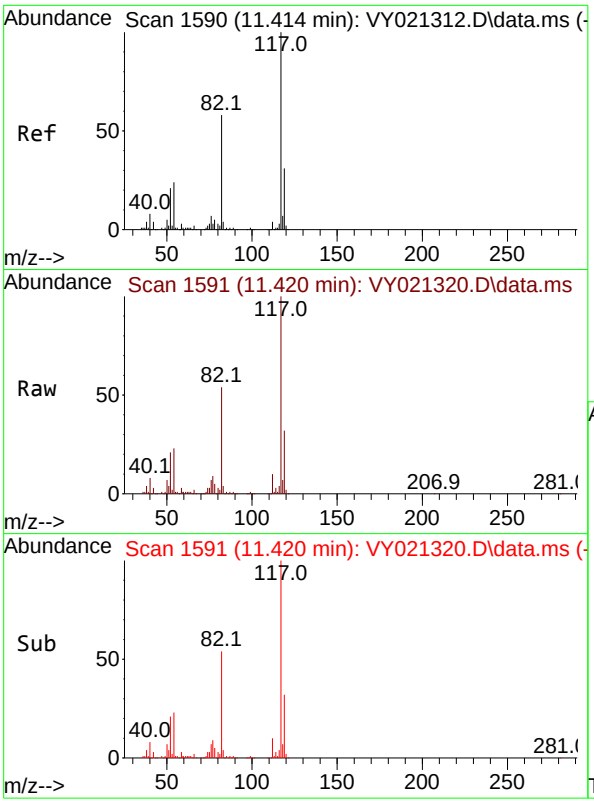


#62
4-Bromofluorobenzene
Concen: 49.290 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 95 Resp: 129754

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	168.0
176	81.2	0.0	162.6



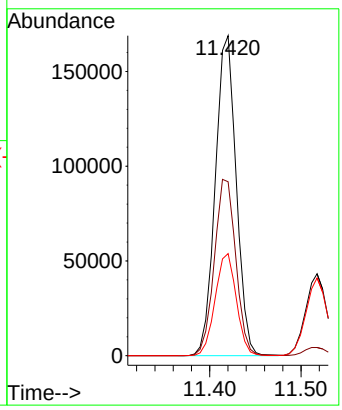


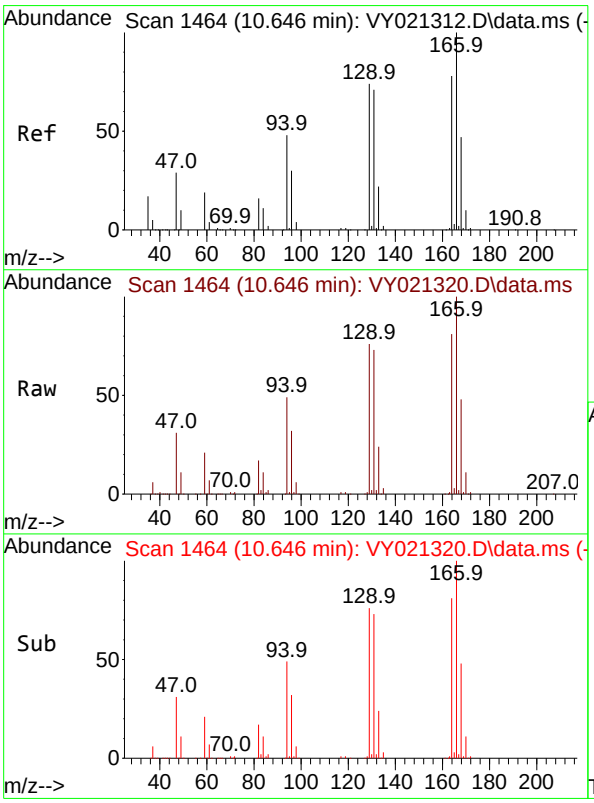
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 268805

Ion	Ratio	Lower	Upper
117	100		
82	54.3	46.2	69.4
119	31.9	24.9	37.3

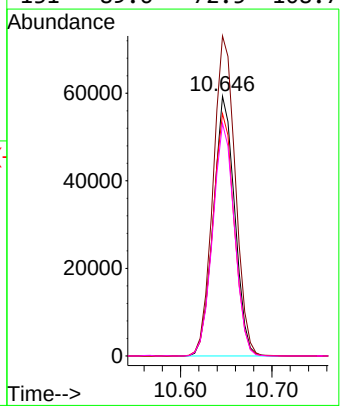


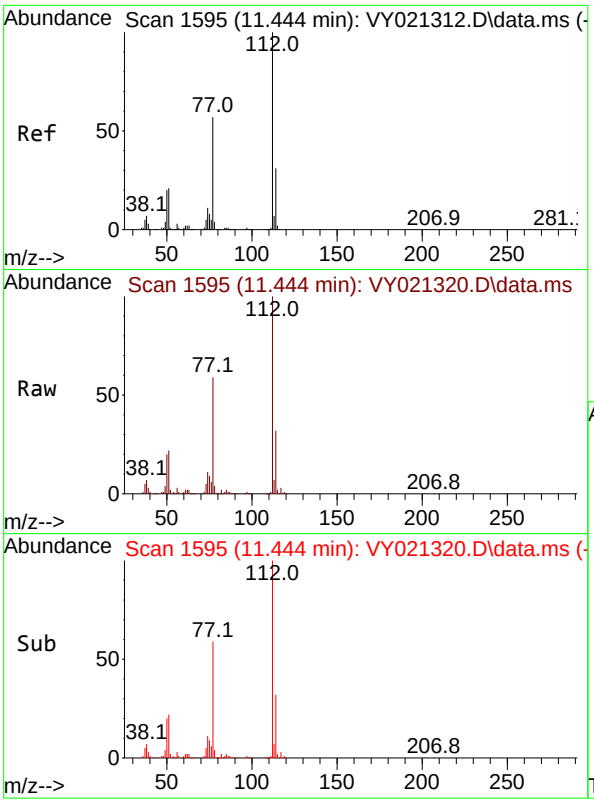


#64
Tetrachloroethene
Concen: 47.455 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:164 Resp: 96416

Ion	Ratio	Lower	Upper
164	100		
166	123.2	101.9	152.9
129	93.3	75.5	113.3
131	89.6	72.5	108.7



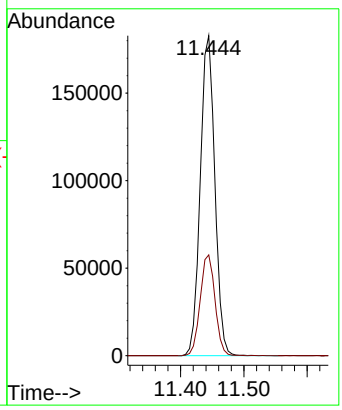


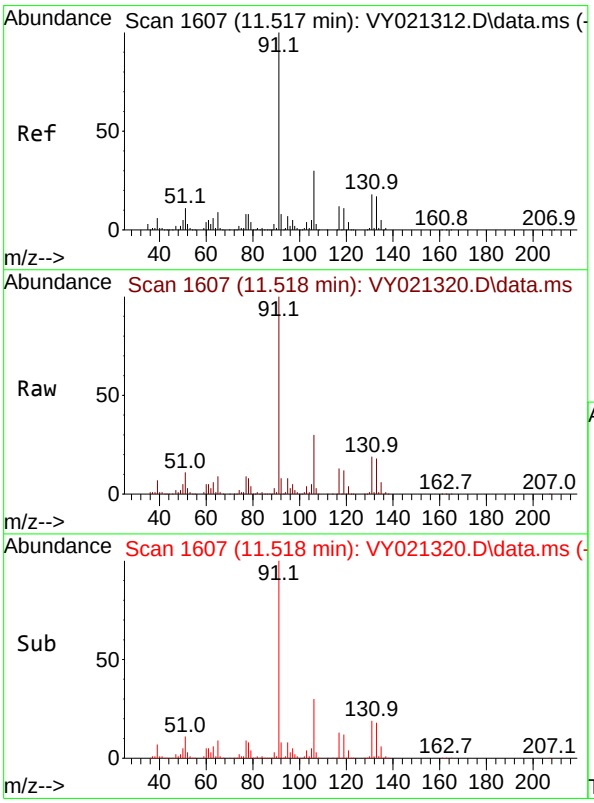
#65
Chlorobenzene
Concen: 48.625 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 293397

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6

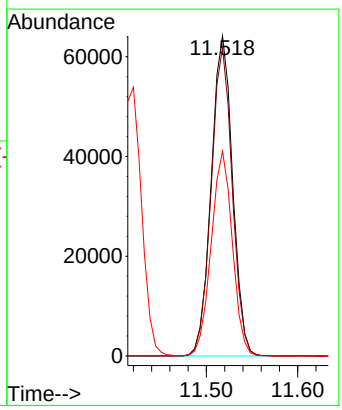


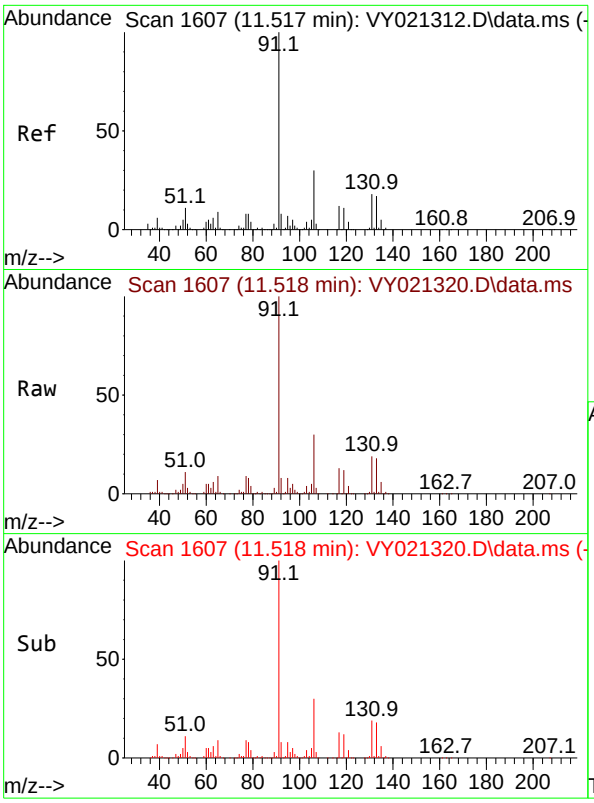


#66
1,1,1,2-Tetrachloroethane
Concen: 49.295 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:131 Resp: 104152

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.9	143.6
119	63.4	31.7	95.1



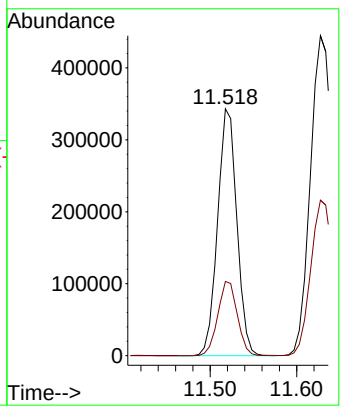


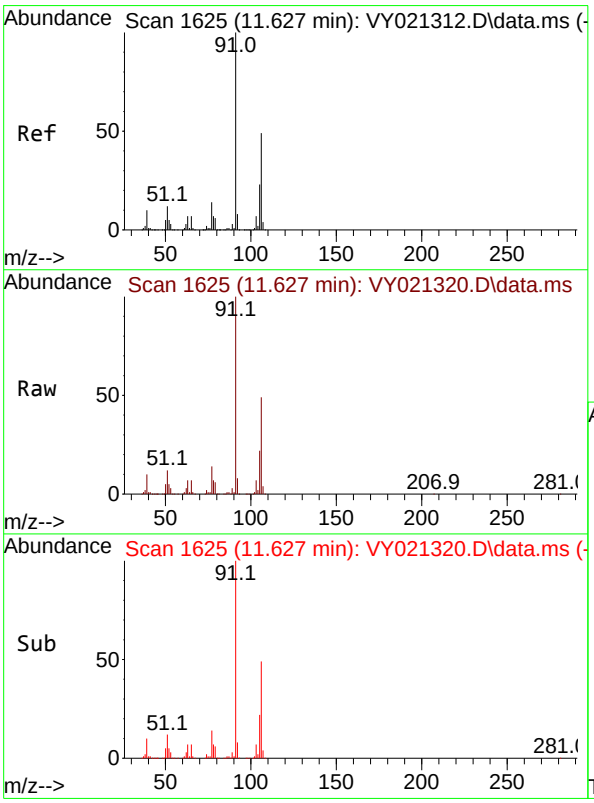
#67
Ethyl Benzene
Concen: 49.609 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 530215

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.4	36.6

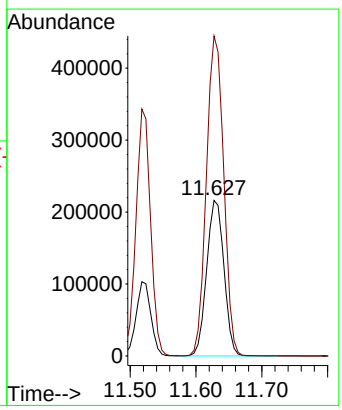


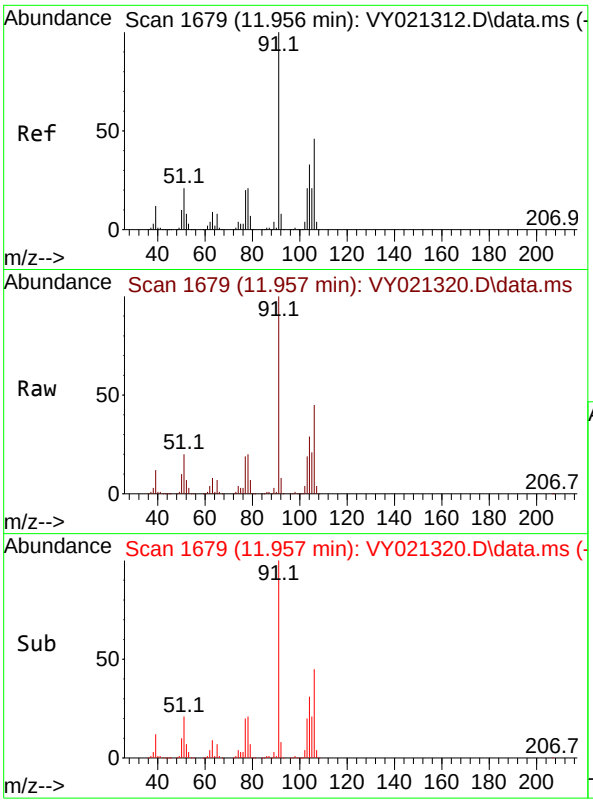


#68
m/p-Xylenes
Concen: 98.298 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:106 Resp: 395166

Ion	Ratio	Lower	Upper
106	100		
91	206.2	163.9	245.9



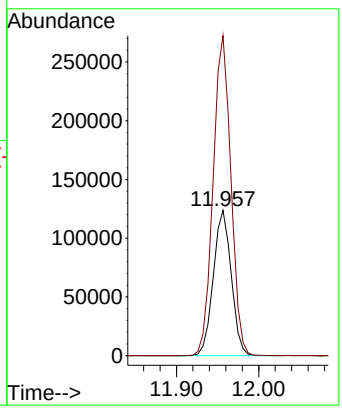


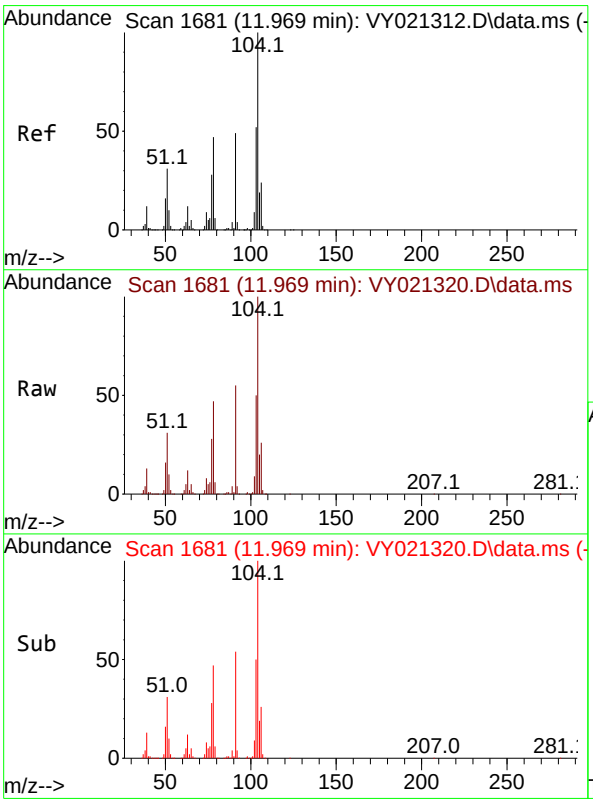
#69
o-Xylene
Concen: 49.676 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 187084

Ion	Ratio	Lower	Upper
106	100		
91	219.4	108.1	324.2

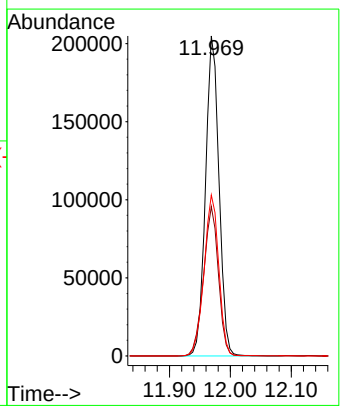


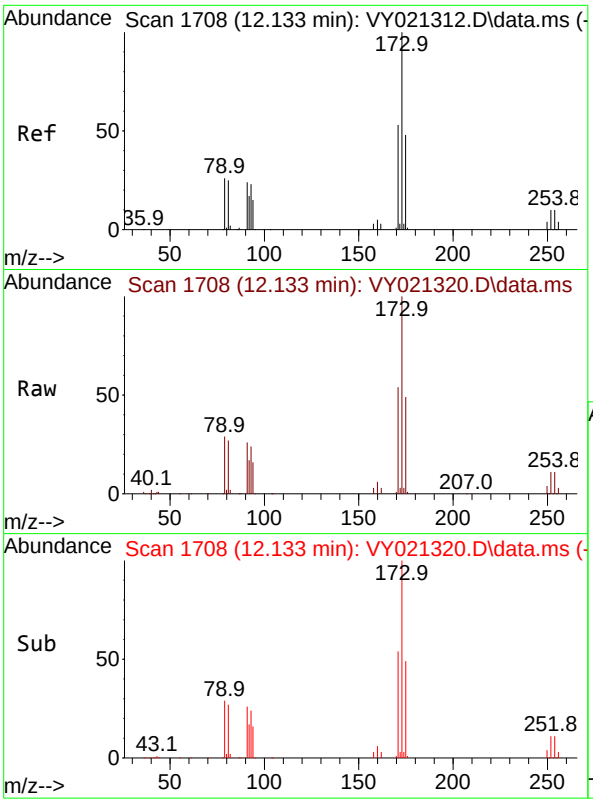


#70
Styrene
Concen: 50.431 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:104 Resp: 316002

Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.3	61.9
103	54.9	43.9	65.9



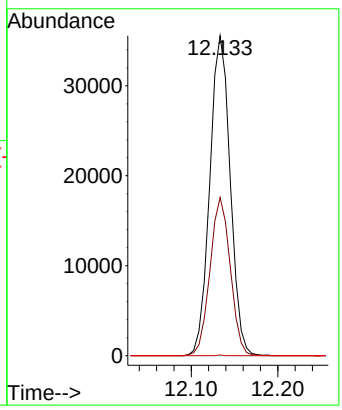


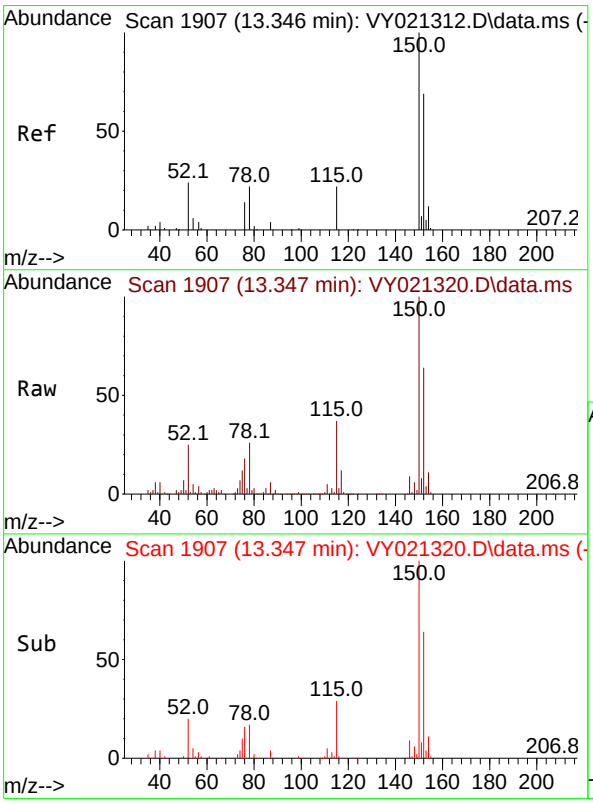
#71
Bromoform
Concen: 48.247 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 58316

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.1	0.1	0.1#

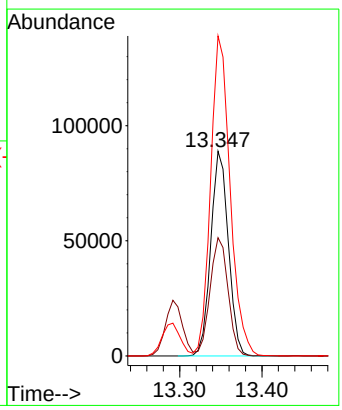


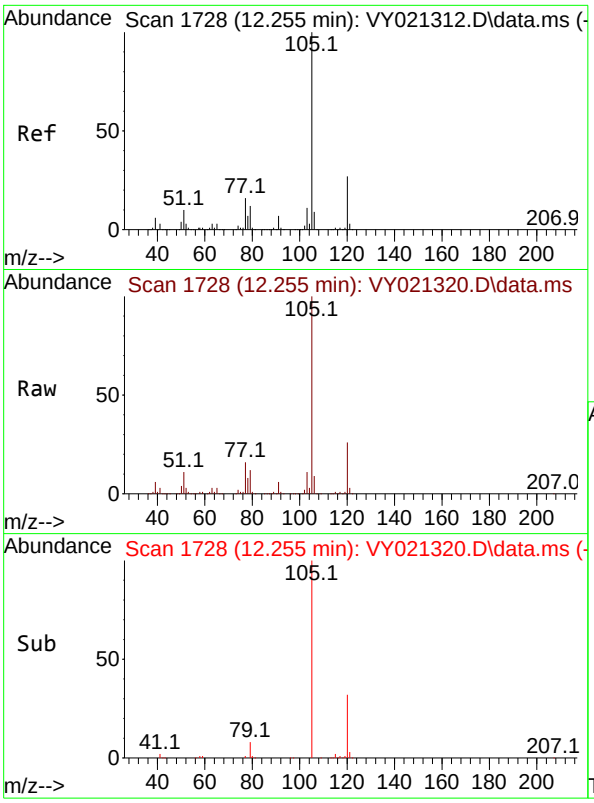


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:152 Resp: 131935

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	173.7	0.0	347.4



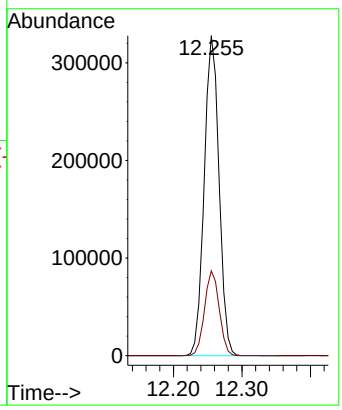


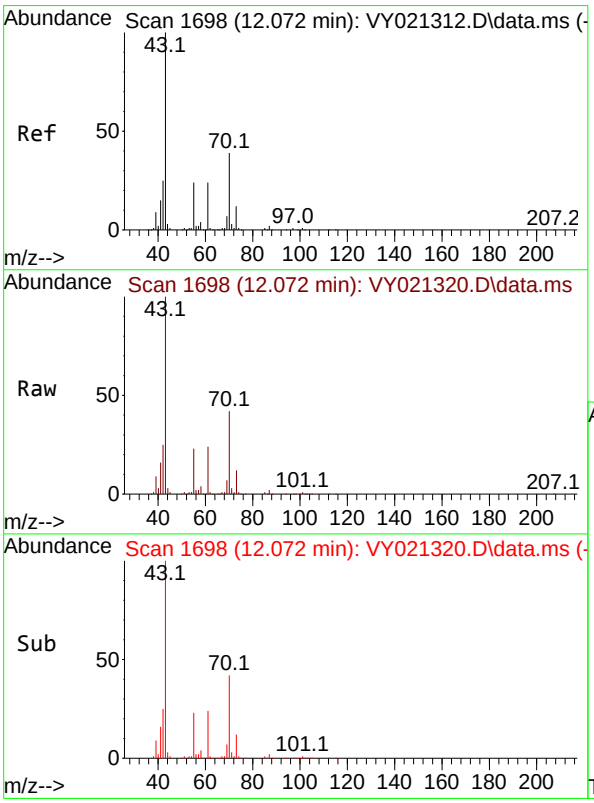
#73
Isopropylbenzene
Concen: 49.774 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 493694

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.8

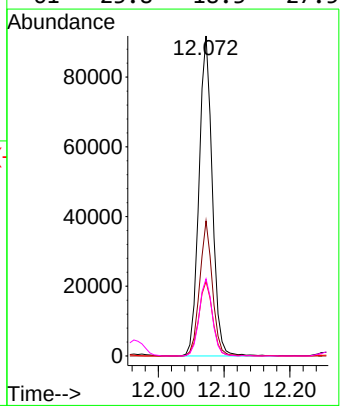


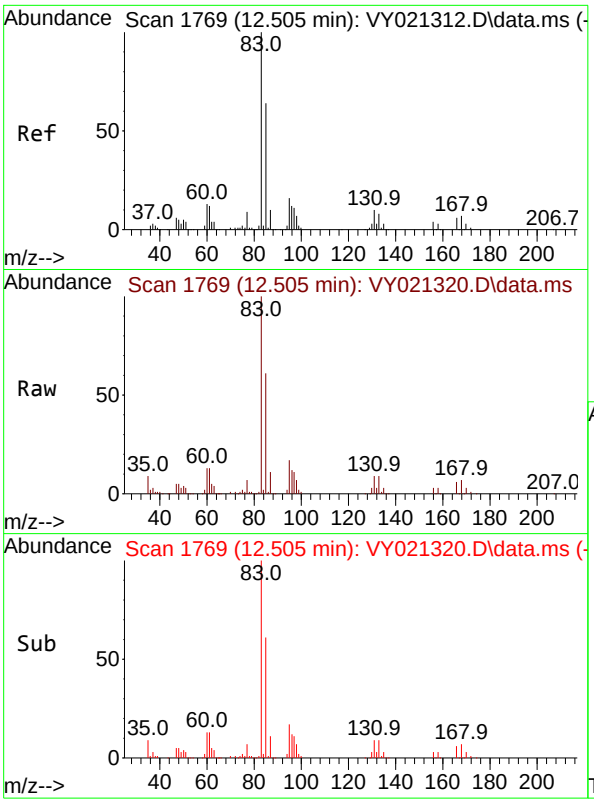


#74
N-amyl acetate
Concen: 51.162 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 43 Resp: 128988

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.2	48.2
55	24.1	19.6	29.4
61	23.8	18.3	27.5



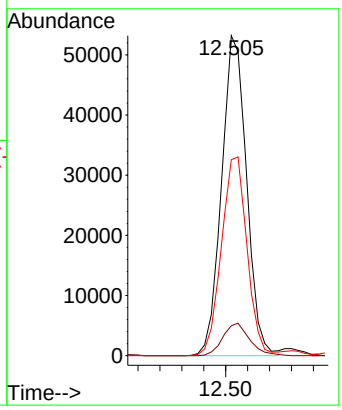


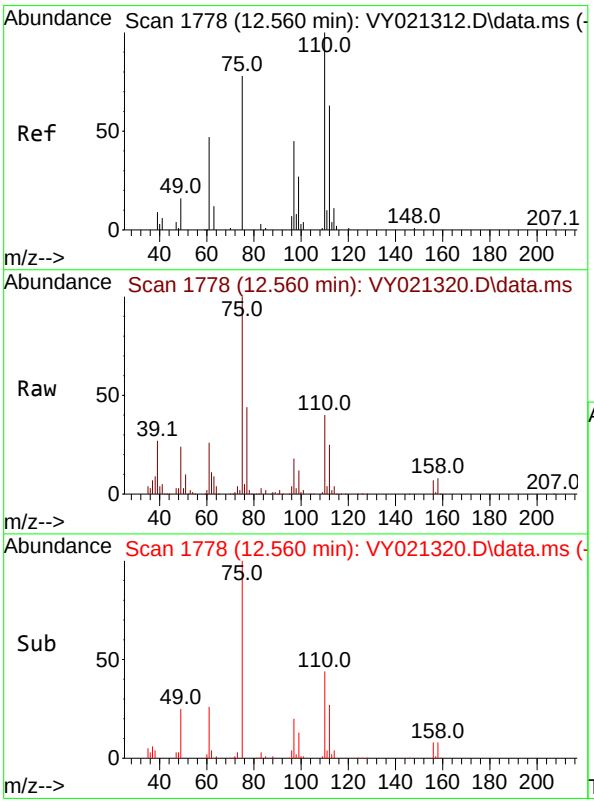
#75
1,1,2,2-Tetrachloroethane
Concen: 48.150 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 84288

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	63.7	32.0	96.0

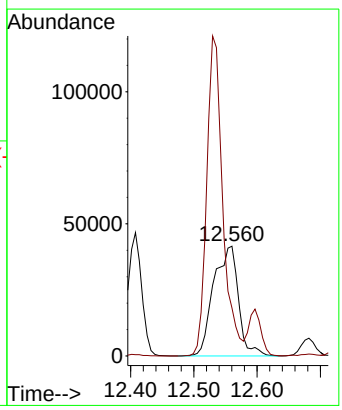


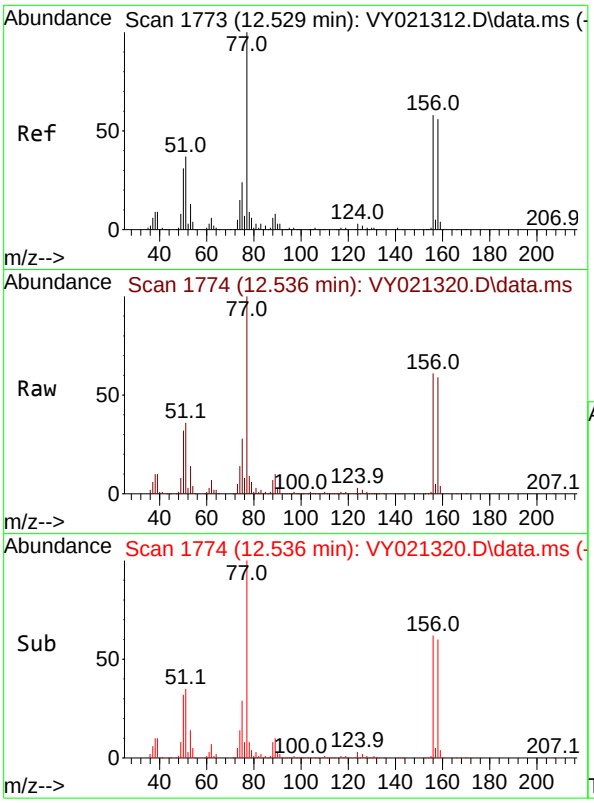


#76
1,2,3-Trichloropropane
Concen: 85.685 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 113156

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



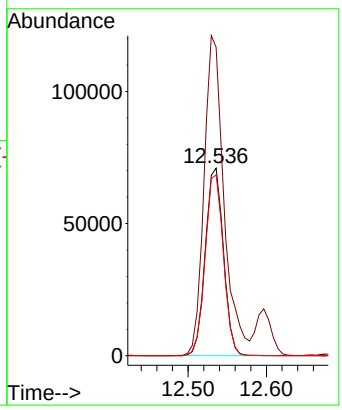


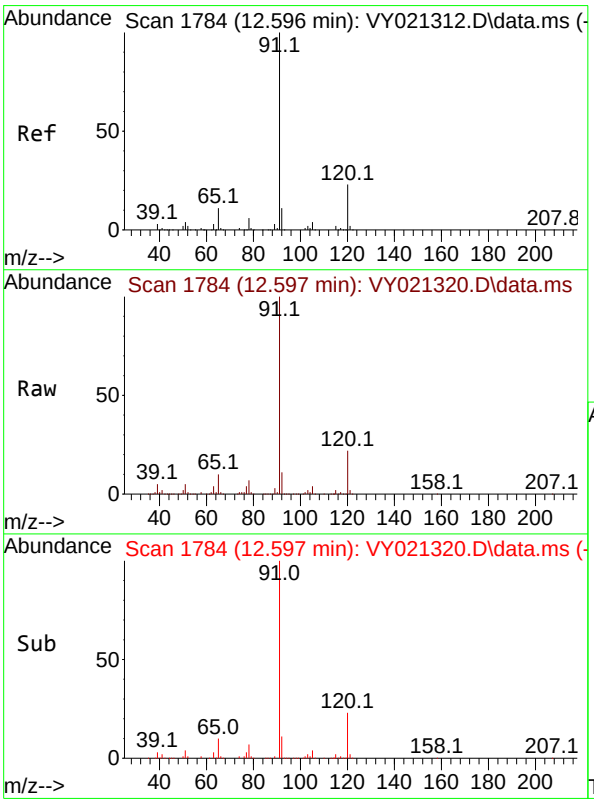
#77
Bromobenzene
Concen: 49.529 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 114266

Ion	Ratio	Lower	Upper
156	100		
77	187.3	94.0	282.1
158	96.8	48.7	146.1

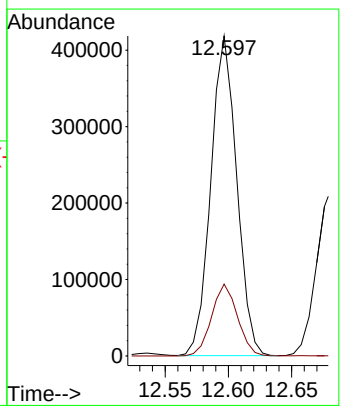


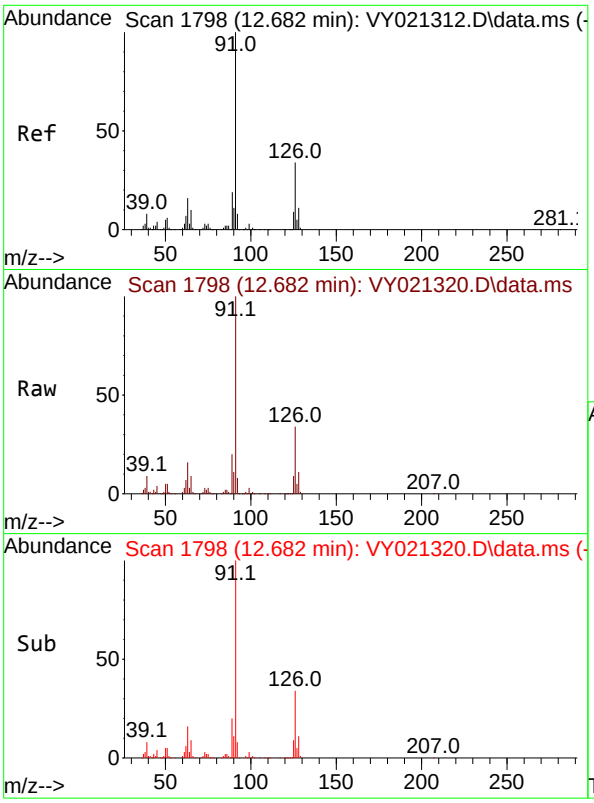


#78
n-propylbenzene
Concen: 49.510 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 595911

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5



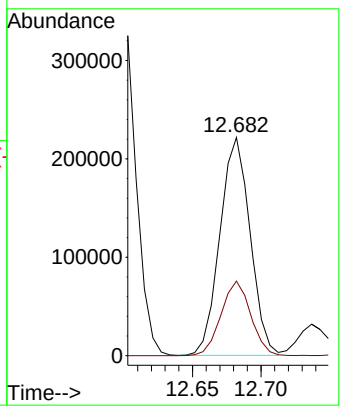


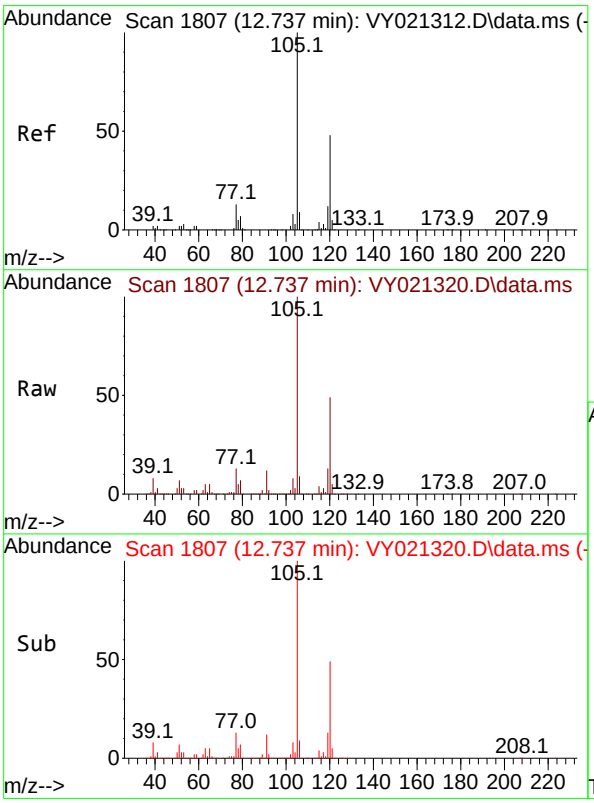
#79
2-Chlorotoluene
Concen: 49.181 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 339722

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6

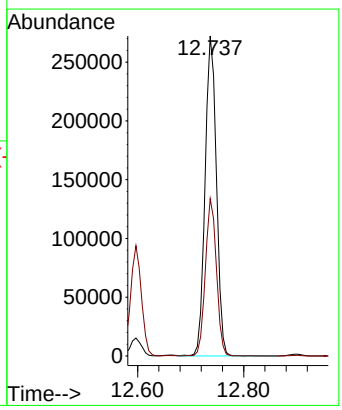


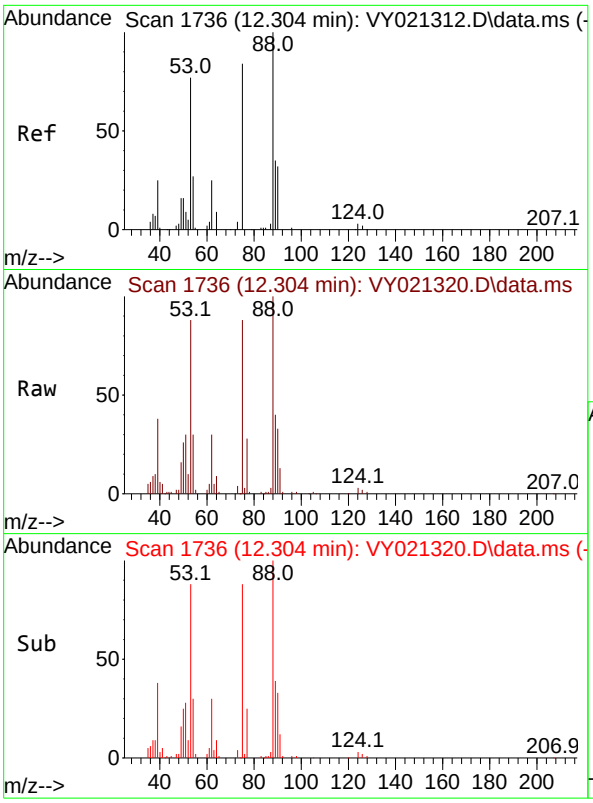


#80
1,3,5-Trimethylbenzene
Concen: 49.604 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 403527

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	73.0



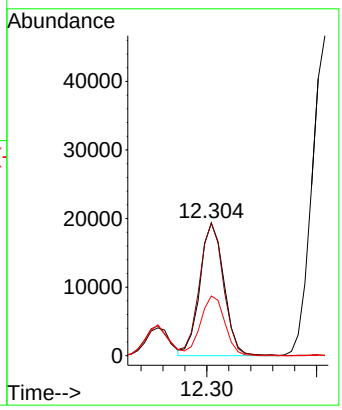


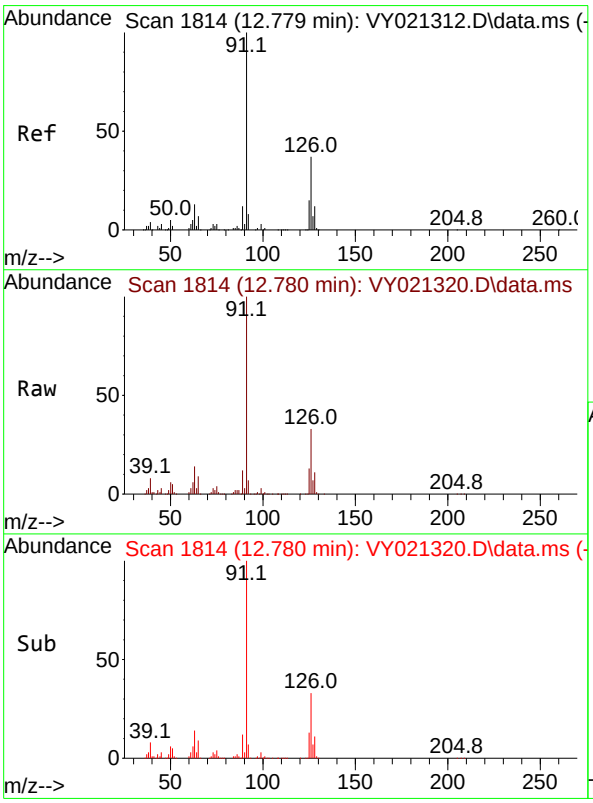
#81
trans-1,4-Dichloro-2-butene
Concen: 49.724 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 29544

Ion	Ratio	Lower	Upper
75	100		
53	100.2	79.1	118.7
89	44.9	35.6	53.4

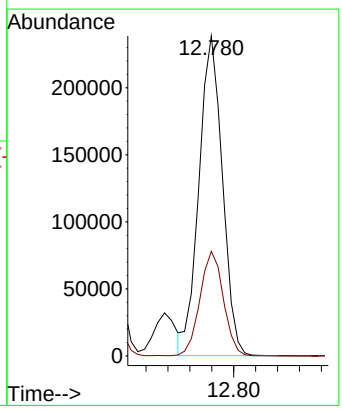


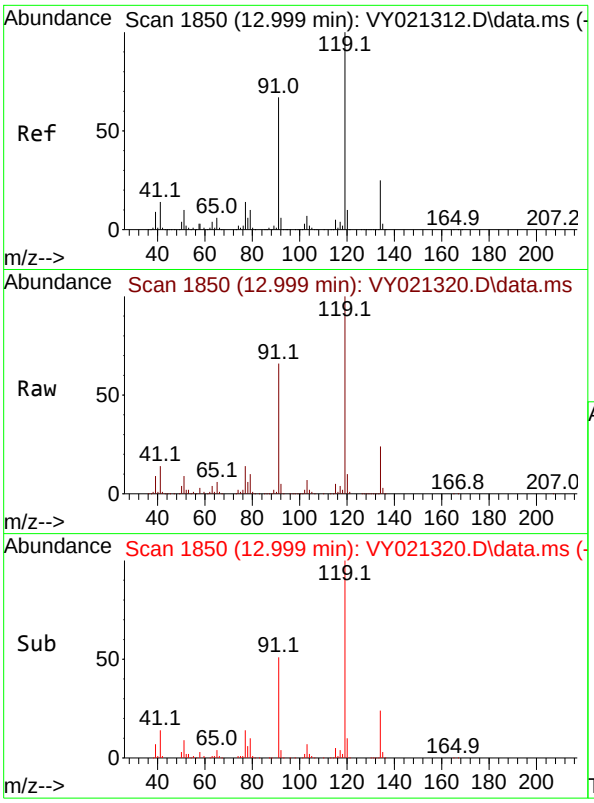


#82
4-Chlorotoluene
Concen: 49.408 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 91 Resp: 353786

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.8	50.4



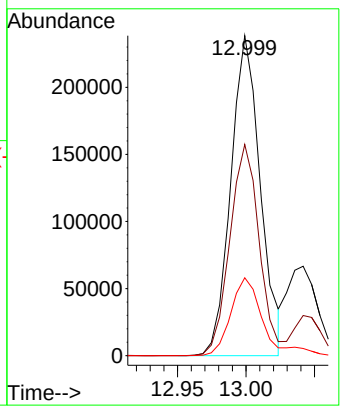


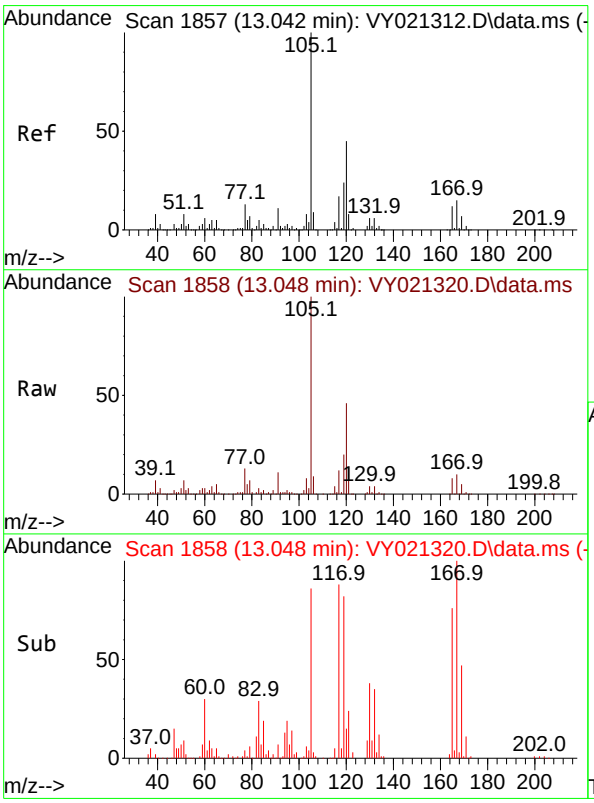
#83
tert-Butylbenzene
Concen: 48.765 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 358344

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.7	98.1
134	26.5	13.3	39.9

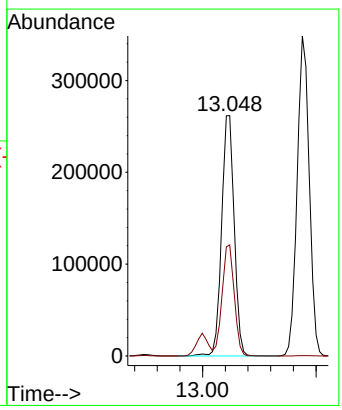


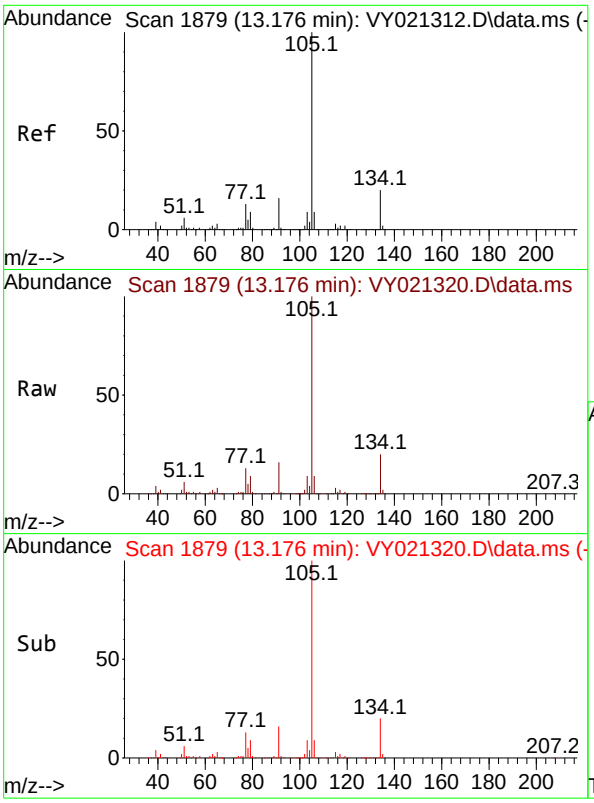


#84
1,2,4-Trimethylbenzene
Concen: 49.846 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:105 Resp: 403288

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3



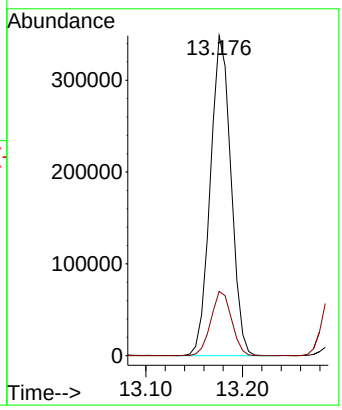


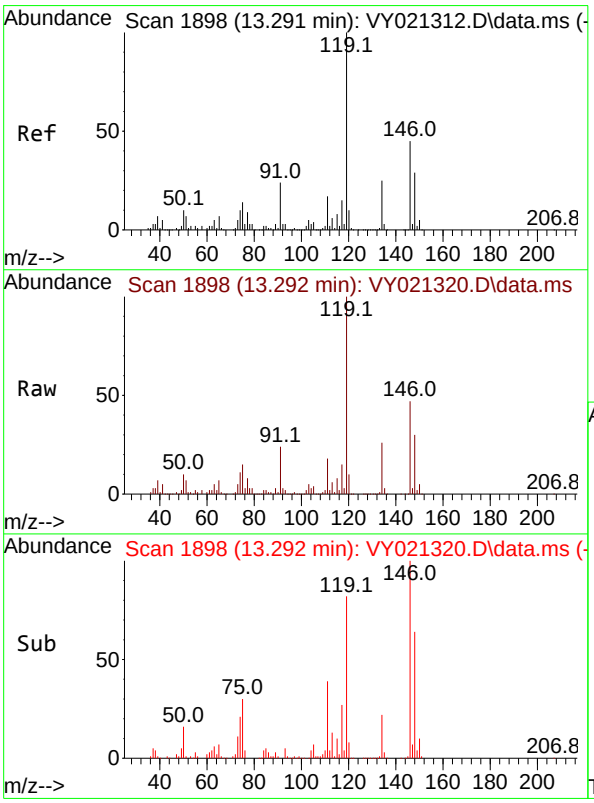
#85
sec-Butylbenzene
Concen: 48.069 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 515970

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

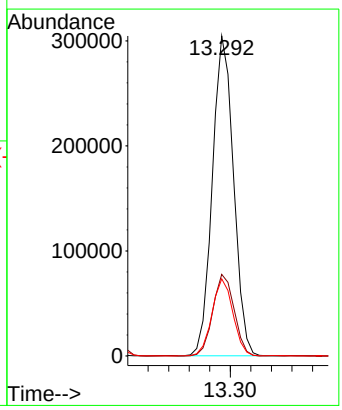


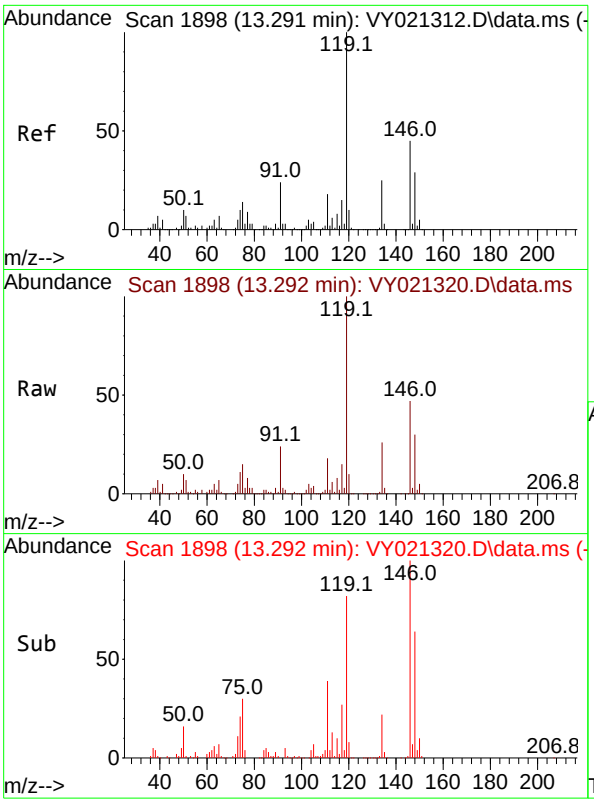


#86
p-Isopropyltoluene
Concen: 48.594 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:119 Resp: 435539

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	23.8	12.0	36.1



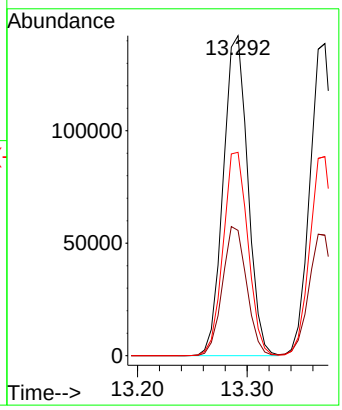


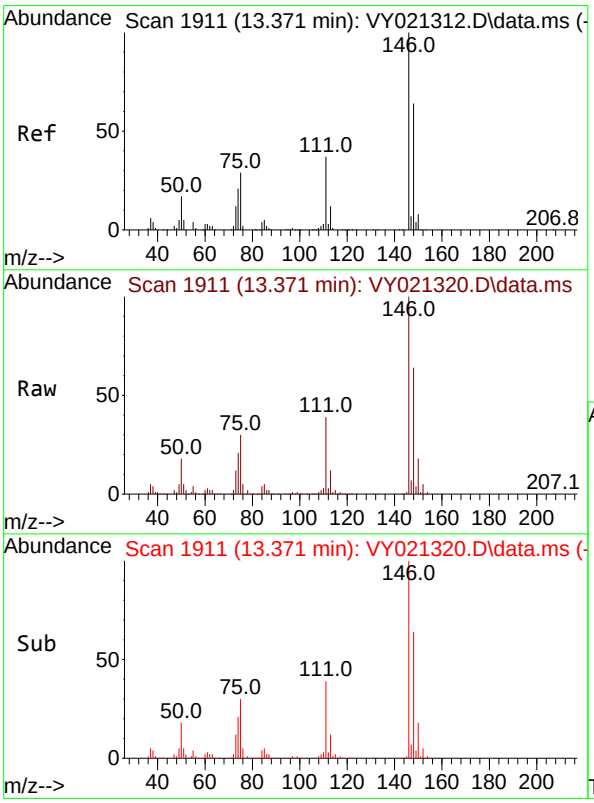
#87
1,3-Dichlorobenzene
Concen: 48.450 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 221110

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.2	31.9	95.9

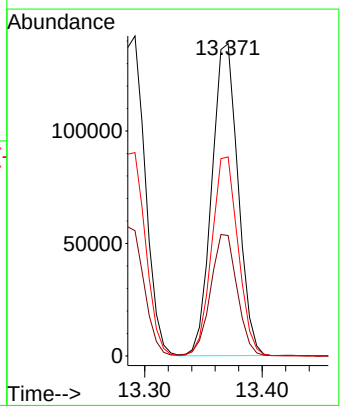


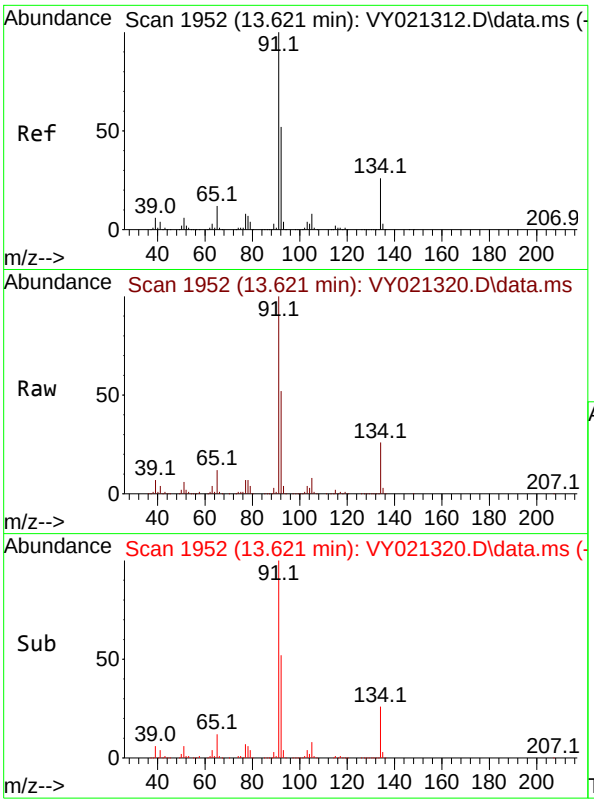


#88
1,4-Dichlorobenzene
Concen: 47.797 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:146 Resp: 215487

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.5	58.5
148	64.5	32.0	96.2



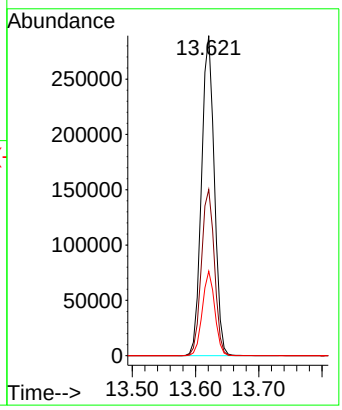


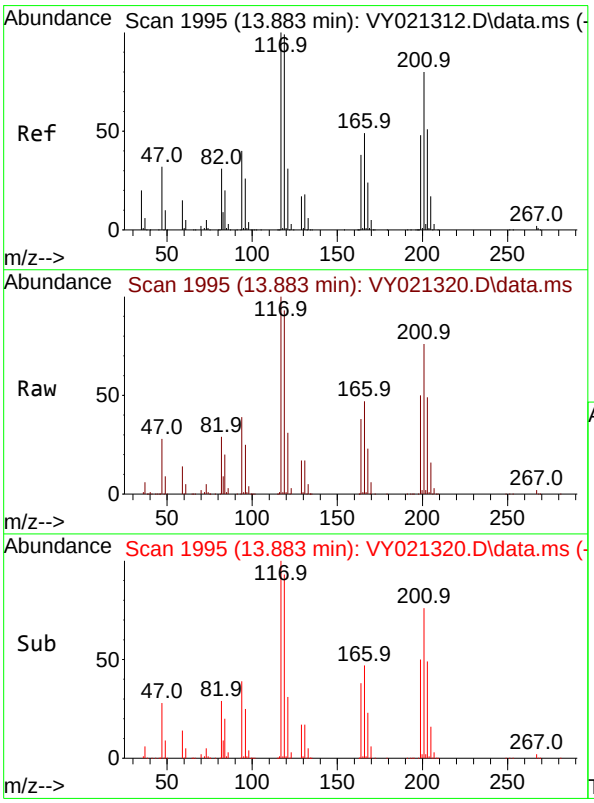
#89
n-Butylbenzene
Concen: 48.491 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 408995

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	25.6	12.7	38.0

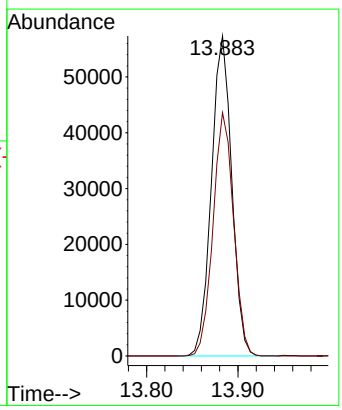


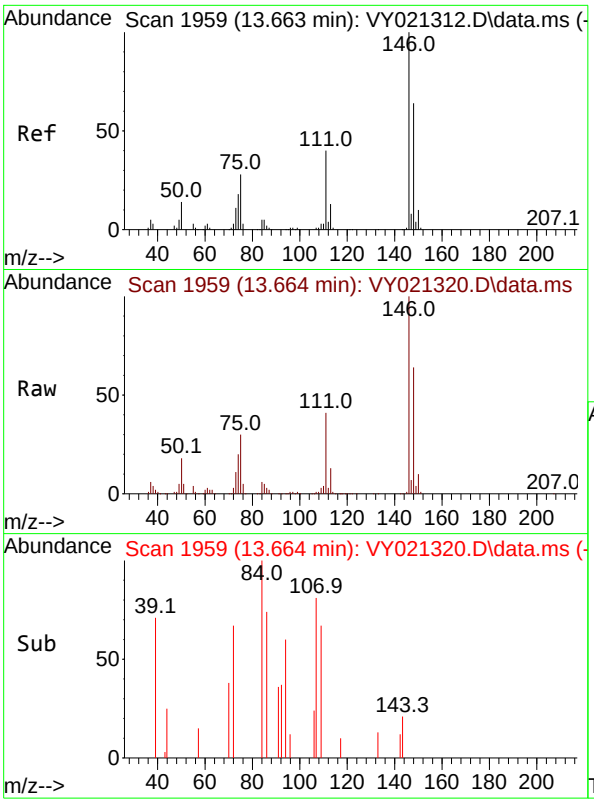


#90
Hexachloroethane
Concen: 47.306 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:117 Resp: 88564

Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.4	115.2



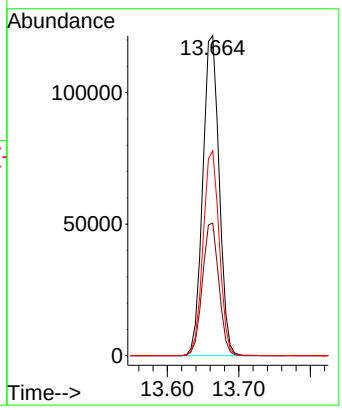


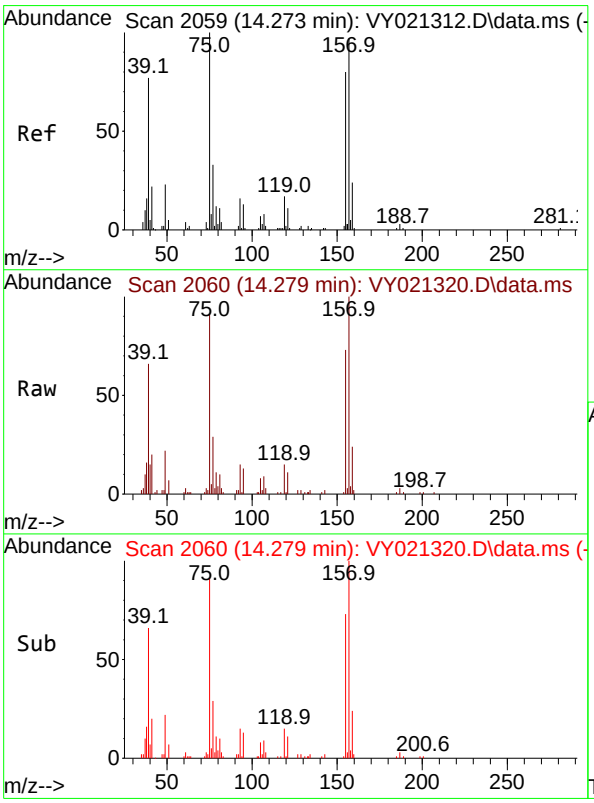
#91
1,2-Dichlorobenzene
Concen: 48.457 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 193750

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.7	62.1
148	63.4	31.7	95.1

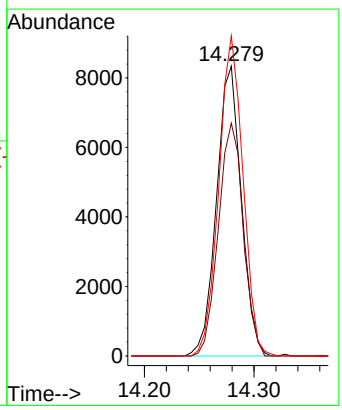


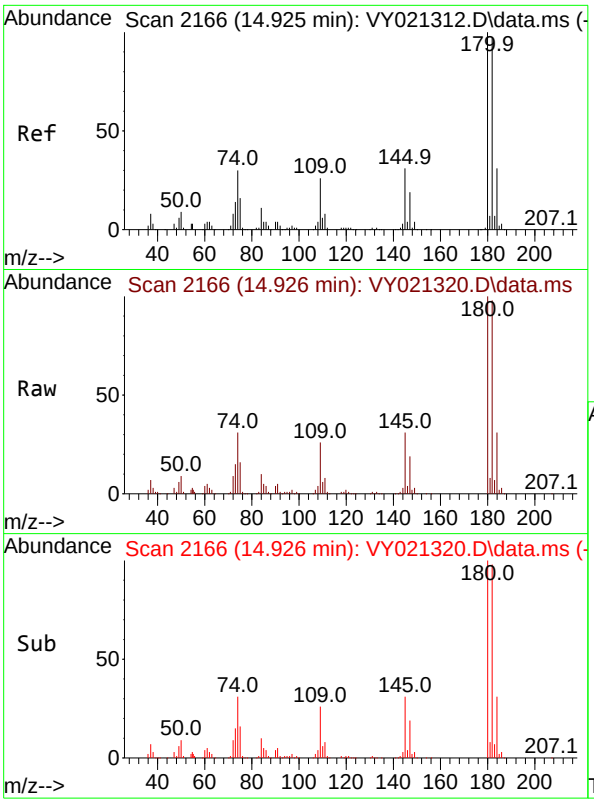


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.306 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion: 75 Resp: 13100

Ion	Ratio	Lower	Upper
75	100		
155	80.5	41.9	125.6
157	107.7	52.5	157.6



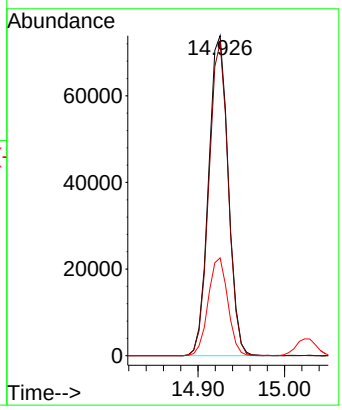


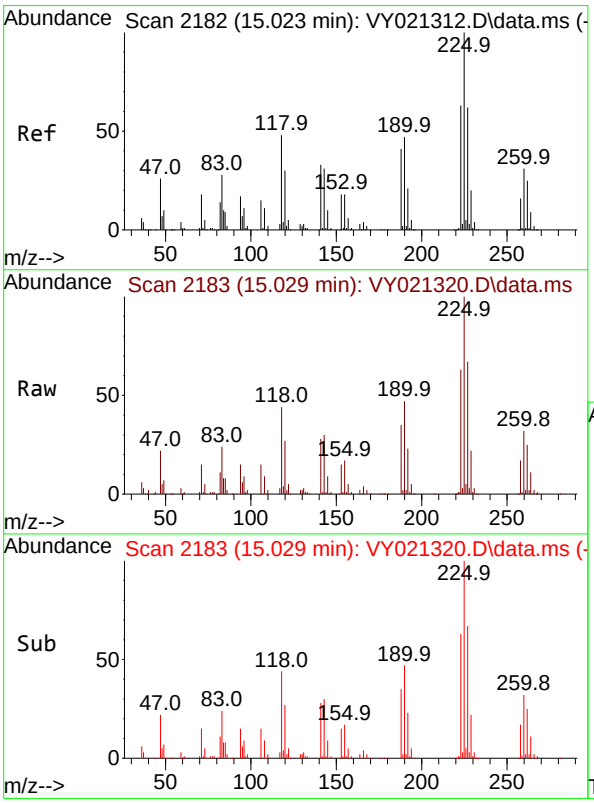
#93
1,2,4-Trichlorobenzene
Concen: 47.769 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 116572

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.7
145	30.4	15.6	46.8

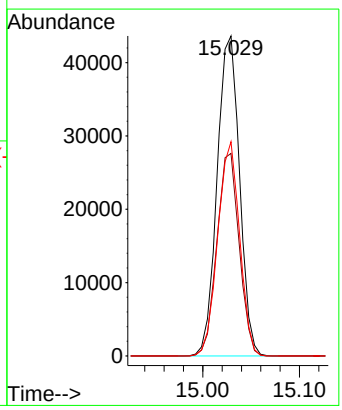


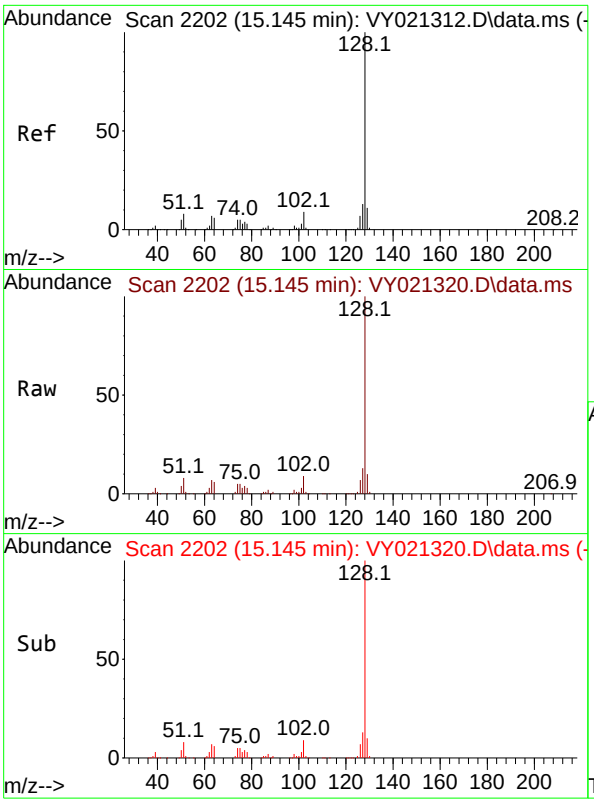


#94
Hexachlorobutadiene
Concen: 45.603 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:225 Resp: 70063

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.8	95.4
227	65.3	31.9	95.7



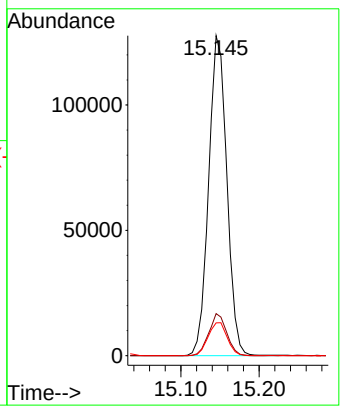


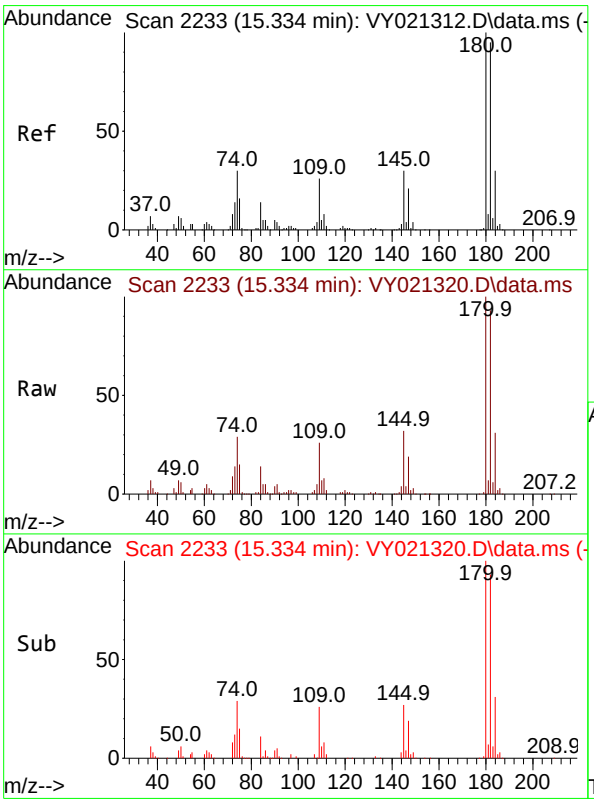
#95
Naphthalene
Concen: 50.937 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 205892

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.5	12.7

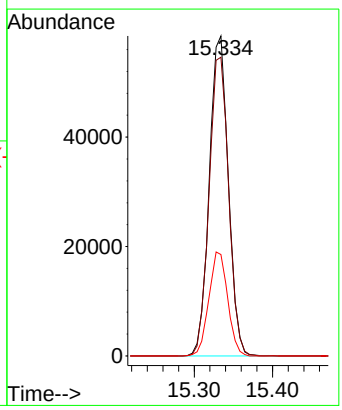




#96
1,2,3-Trichlorobenzene
Concen: 47.779 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021320.D
Acq: 26 Feb 2025 10:11

Tgt Ion:180 Resp: 98515

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	32.2	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	184417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	291138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	254891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	97685	46.693	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.380%			
35) Dibromofluoromethane	7.634	113	90492	47.410	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.820%			
50) Toluene-d8	10.109	98	351200	47.609	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.220%			
62) 4-Bromofluorobenzene	12.407	95	117404	47.291	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	34125	19.517	ug/l	97
3) Chloromethane	2.068	50	42771	18.941	ug/l	96
4) Vinyl Chloride	2.202	62	42765	19.295	ug/l	98
5) Bromomethane	2.592	94	28297	19.212	ug/l	100
6) Chloroethane	2.732	64	26124	19.007	ug/l	95
7) Trichlorofluoromethane	3.056	101	63673	19.022	ug/l	100
8) Diethyl Ether	3.452	74	19334	19.245	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	38299	19.763	ug/l	98
10) Methyl Iodide	4.007	142	37750	18.516	ug/l	99
11) Tert butyl alcohol	4.854	59	13942	86.641	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	35305	19.026	ug/l	96
13) Acrolein	3.653	56	20005	162.231	ug/l	95
14) Allyl chloride	4.385	41	62973	19.141	ug/l	98
15) Acrylonitrile	5.061	53	42599	95.903	ug/l	99
16) Acetone	3.872	43	38073	94.873	ug/l	99
17) Carbon Disulfide	4.104	76	114721	18.619	ug/l	100
18) Methyl Acetate	4.385	43	18152	18.509	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	93663	19.105	ug/l	100
20) Methylene Chloride	4.610	84	40120	18.488	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	38871	19.029	ug/l	97
22) Diisopropyl ether	6.018	45	134550	19.764	ug/l	100
23) Vinyl Acetate	5.957	43	386141	94.917	ug/l	98
24) 1,1-Dichloroethane	5.915	63	73384	19.125	ug/l	99
25) 2-Butanone	6.890	43	56272	92.910	ug/l	100
26) 2,2-Dichloropropane	6.884	77	66242	19.026	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	44795	19.204	ug/l	99
28) Bromochloromethane	7.244	49	30330	17.864	ug/l	99
29) Tetrahydrofuran	7.262	42	37274	94.152	ug/l	98
30) Chloroform	7.421	83	75017	19.294	ug/l	99
31) Cyclohexane	7.701	56	69642	18.881	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	67879	19.180	ug/l	99
36) 1,1-Dichloropropene	7.835	75	55184	19.247	ug/l	100
37) Ethyl Acetate	6.988	43	28035	19.657	ug/l	99
38) Carbon Tetrachloride	7.817	117	61214	18.991	ug/l	96
39) Methylcyclohexane	9.109	83	68527	18.897	ug/l	97
40) Benzene	8.079	78	163641	19.308	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	10887	13.653 ug/l #	73
42) 1,2-Dichloroethane	8.158	62	46152	19.193 ug/l	100
43) Isopropyl Acetate	8.195	43	51417	18.626 ug/l	99
44) Trichloroethene	8.865	130	40770	19.214 ug/l	98
45) 1,2-Dichloropropane	9.140	63	39037	19.139 ug/l	95
46) Dibromomethane	9.231	93	21795	19.549 ug/l	97
47) Bromodichloromethane	9.420	83	56650	19.056 ug/l	97
48) Methyl methacrylate	9.219	41	25014	19.377 ug/l	99
49) 1,4-Dioxane	9.231	88	4576	369.128 ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	131838	93.298 ug/l	100
52) Toluene	10.170	92	101381	19.255 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	51842	19.034 ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	61986	19.278 ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	27740	19.099 ug/l	97
56) Ethyl methacrylate	10.438	69	37632	18.751 ug/l	99
57) 1,3-Dichloropropane	10.719	76	49393	19.380 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	87093	90.414 ug/l	100
59) 2-Hexanone	10.761	43	87008	93.755 ug/l	99
60) Dibromochloromethane	10.908	129	38212	19.318 ug/l	100
61) 1,2-Dibromoethane	11.011	107	25849	18.799 ug/l	96
64) Tetrachloroethene	10.646	164	36984	19.197 ug/l	97
65) Chlorobenzene	11.444	112	108578	18.977 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	39302	19.617 ug/l	98
67) Ethyl Benzene	11.517	91	192592	19.003 ug/l	100
68) m/p-Xylenes	11.627	106	147929	38.806 ug/l	100
69) o-Xylene	11.956	106	69071	19.342 ug/l	99
70) Styrene	11.969	104	114447	19.262 ug/l	99
71) Bromoform	12.133	173	21872	19.083 ug/l #	99
73) Isopropylbenzene	12.255	105	184435	19.058 ug/l	100
74) N-amyl acetate	12.072	43	44104	17.930 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	32169	18.835 ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	42083	32.661 ug/l #	100
77) Bromobenzene	12.529	156	42599	18.925 ug/l	98
78) n-propylbenzene	12.596	91	226845	19.317 ug/l	100
79) 2-Chlorotoluene	12.682	91	128526	19.070 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	155422	19.582 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10066	17.364 ug/l	95
82) 4-Chlorotoluene	12.779	91	133936	19.171 ug/l	100
83) tert-Butylbenzene	12.999	119	136788	19.079 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	152431	19.310 ug/l	99
85) sec-Butylbenzene	13.176	105	204066	19.486 ug/l	100
86) p-Isopropyltoluene	13.291	119	167856	19.195 ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	85257	19.148 ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	84570	19.226 ug/l	99
89) n-Butylbenzene	13.621	91	155625	18.911 ug/l	100
90) Hexachloroethane	13.883	117	34224	18.736 ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	73256	18.778 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5025	18.599 ug/l	93
93) 1,2,4-Trichlorobenzene	14.925	180	42148	17.702 ug/l	99
94) Hexachlorobutadiene	15.023	225	27956	18.650 ug/l	99
95) Naphthalene	15.151	128	68106	17.269 ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	36072	17.931 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

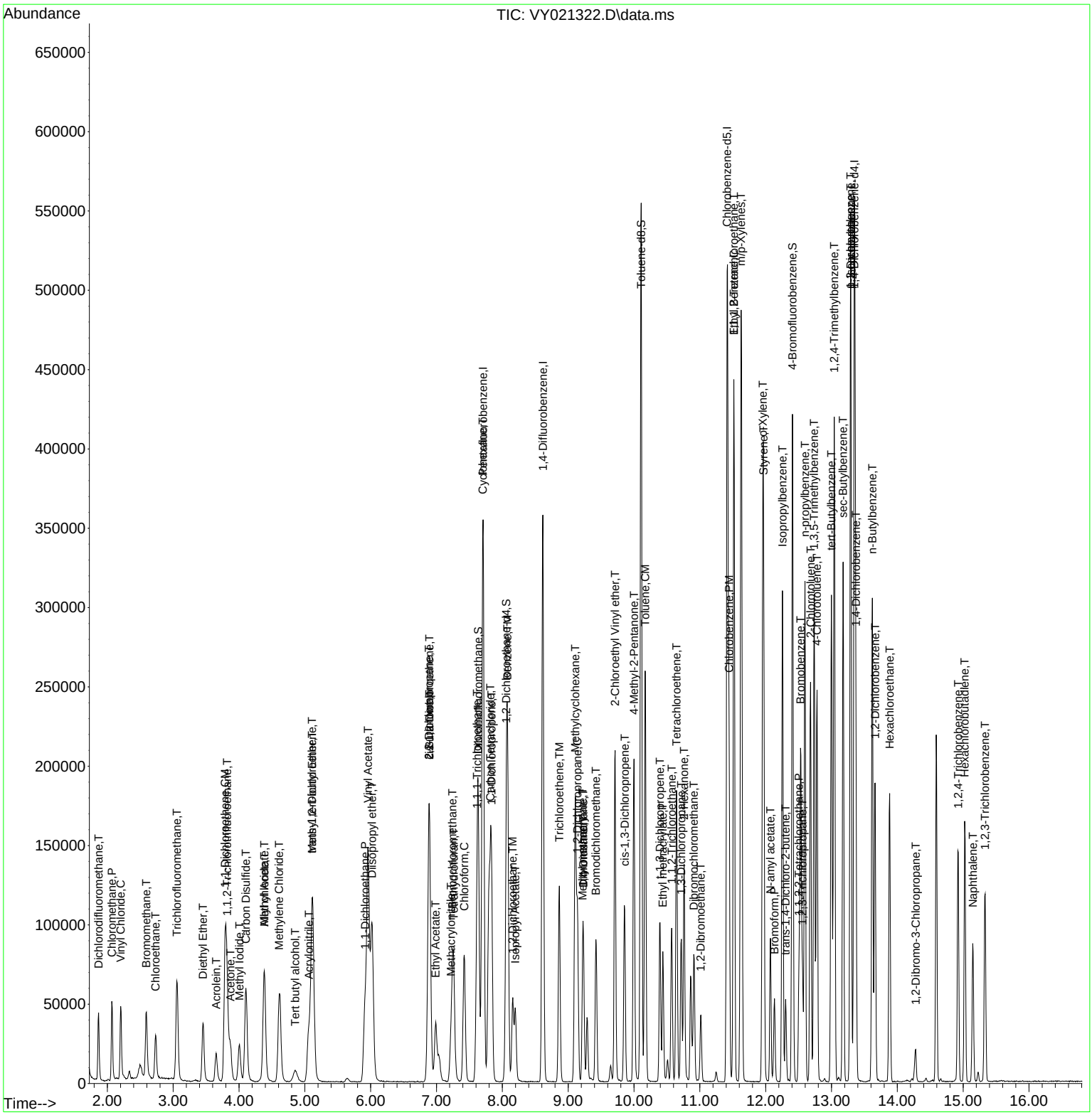
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

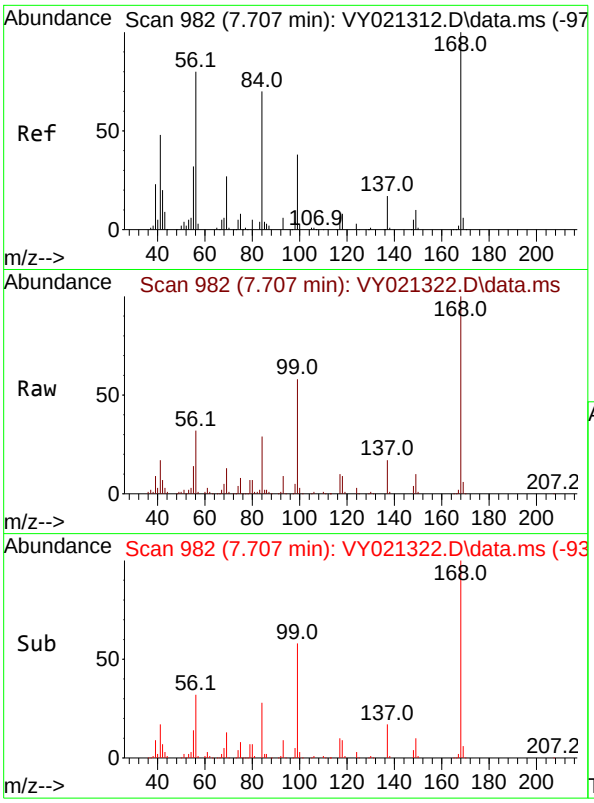
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021322.D
Acq On : 26 Feb 2025 11:22
Operator : SY/MD
Sample : VY0226SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Quant Time: Feb 27 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



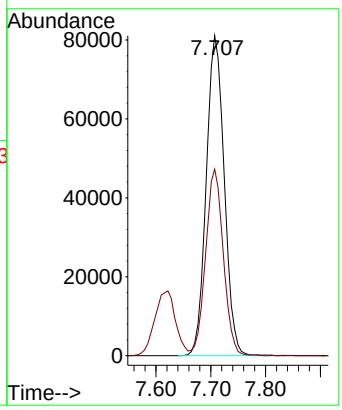


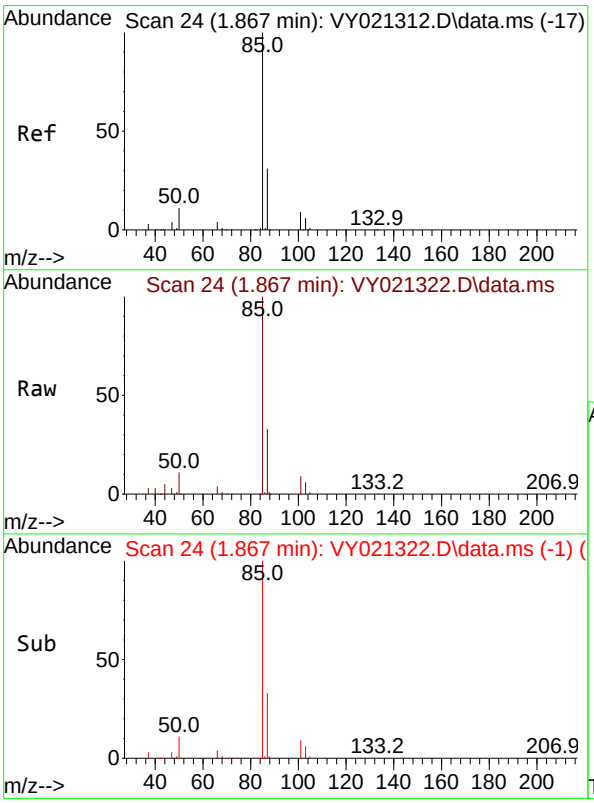
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:168 Resp: 184417

Ion	Ratio	Lower	Upper
168	100		
99	58.3	47.1	70.7

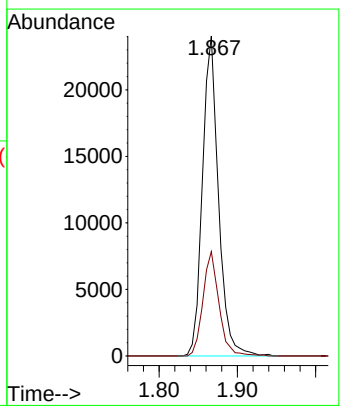


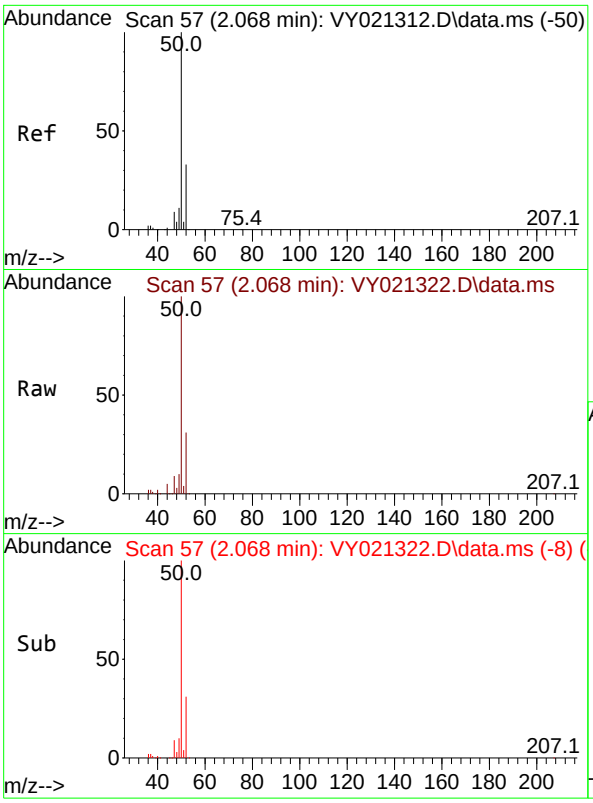


#2
Dichlorodifluoromethane
Concen: 19.517 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 85 Resp: 34125

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4



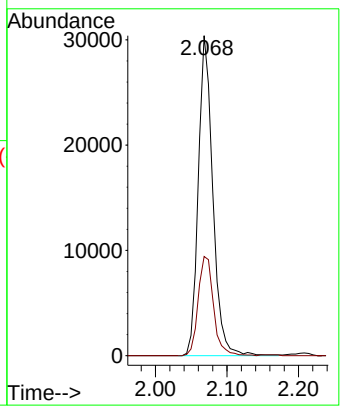


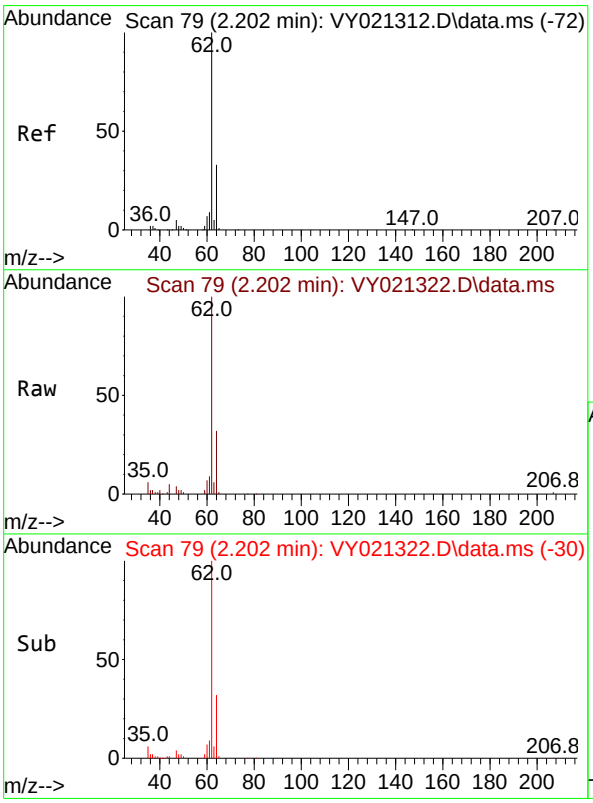
#3
Chloromethane
Concen: 18.941 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 50 Resp: 42771

Ion	Ratio	Lower	Upper
50	100		
52	31.0	26.6	40.0

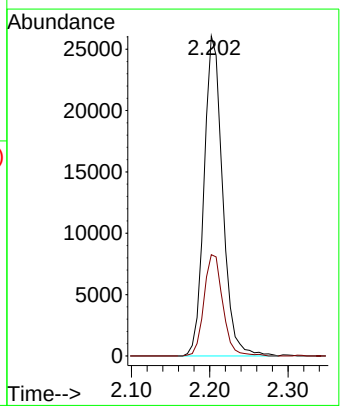


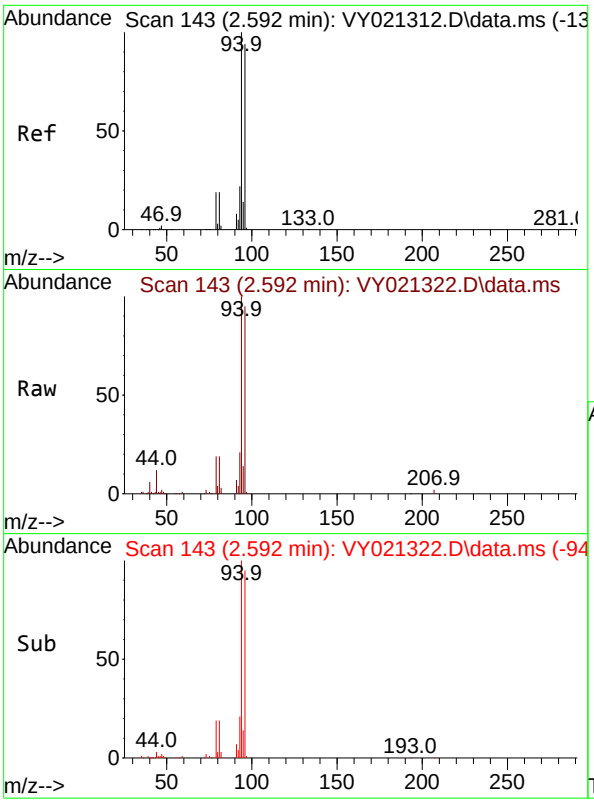


#4
Vinyl Chloride
Concen: 19.295 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 62 Resp: 42765

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.3	39.5



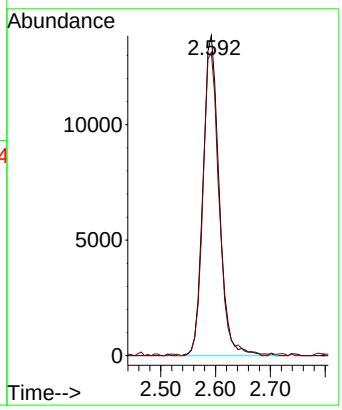


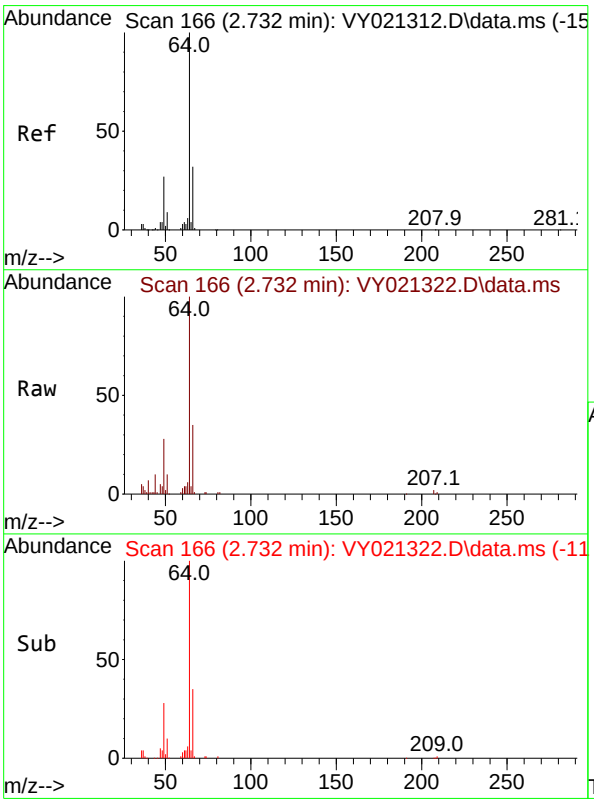
#5
Bromomethane
Concen: 19.212 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 94 Resp: 28297

Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.2	112.8

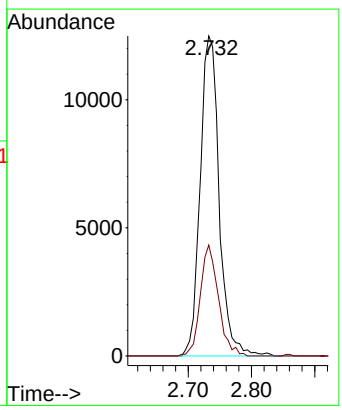


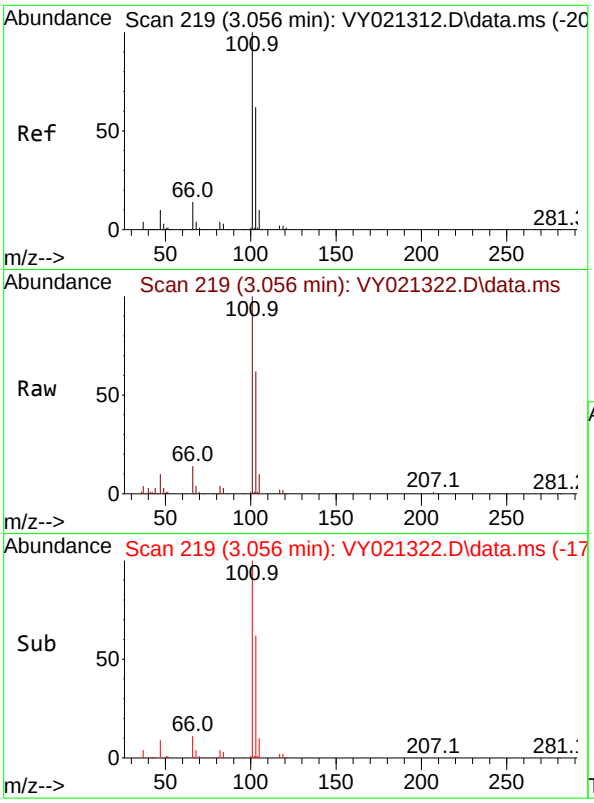


#6
Chloroethane
Concen: 19.007 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 64 Resp: 26124

Ion	Ratio	Lower	Upper
64	100		
66	34.6	25.4	38.0



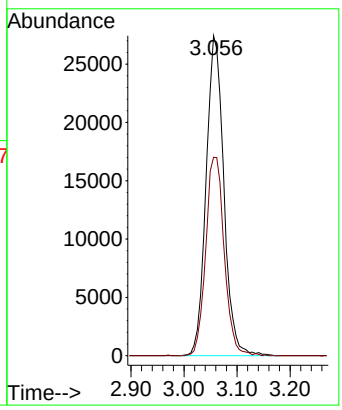


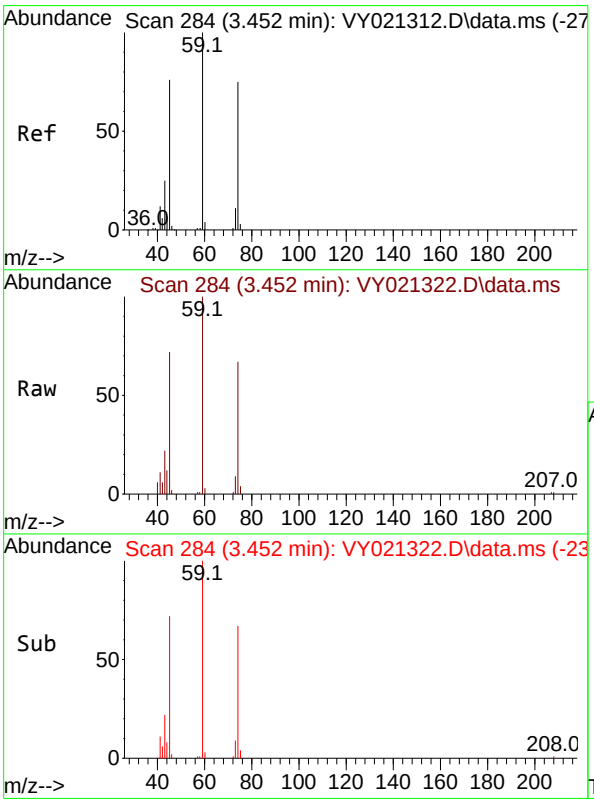
#7
Trichlorofluoromethane
Concen: 19.022 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:101 Resp: 63673

Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.7	74.5

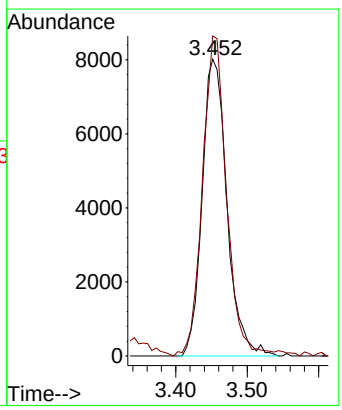


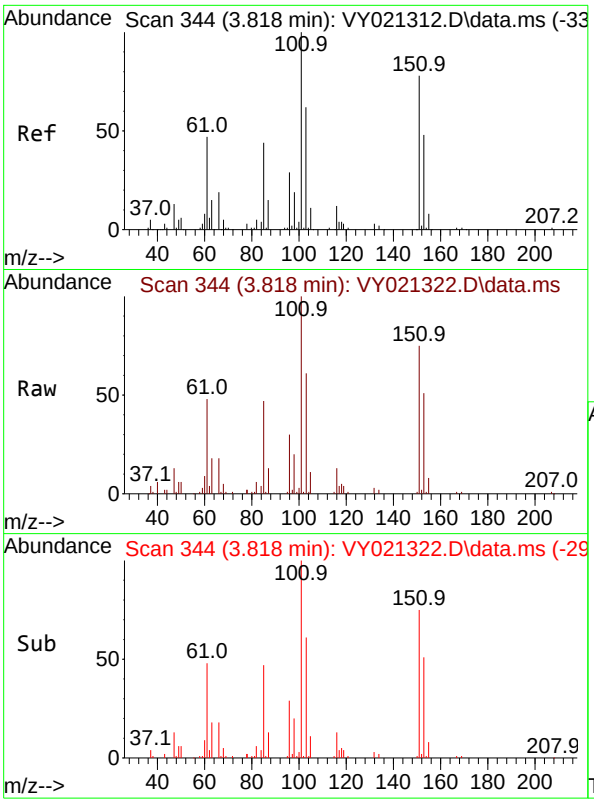


#8
Diethyl Ether
Concen: 19.245 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 74 Resp: 19334

Ion	Ratio	Lower	Upper
74	100		
45	104.1	50.3	150.9



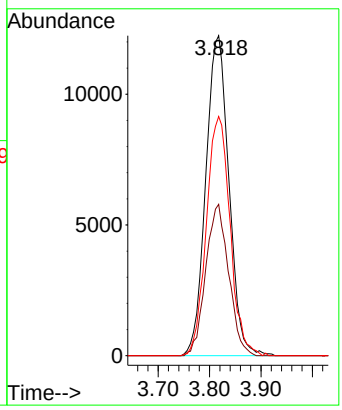


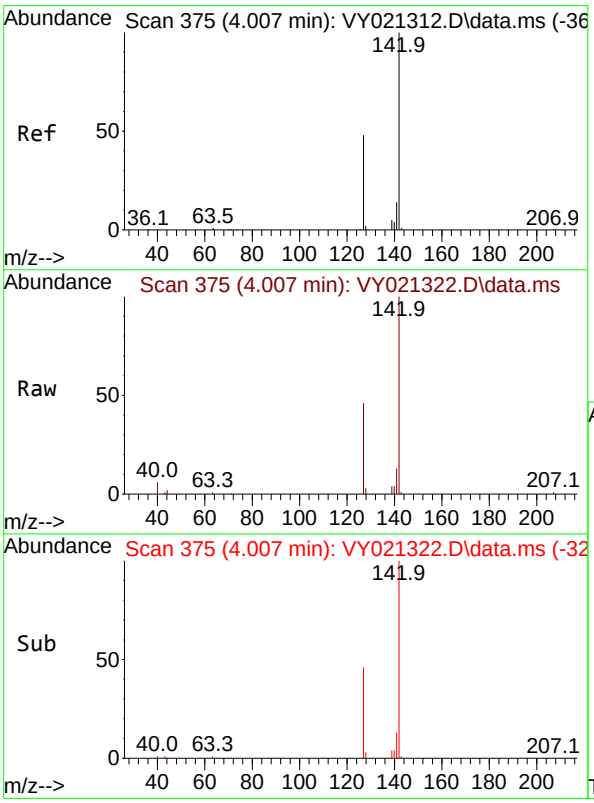
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.763 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:101 Resp: 38299

Ion	Ratio	Lower	Upper
101	100		
85	46.9	36.7	55.1
151	76.6	62.6	94.0

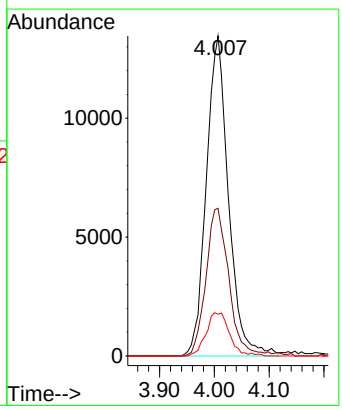


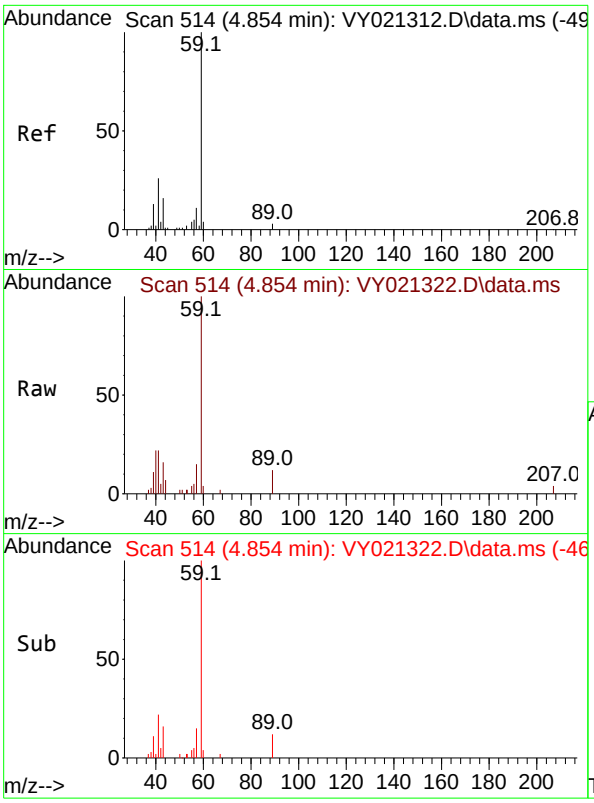


#10
Methyl Iodide
Concen: 18.516 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:142 Resp: 37750

Ion	Ratio	Lower	Upper
142	100		
127	47.7	39.2	58.8
141	14.3	11.4	17.2



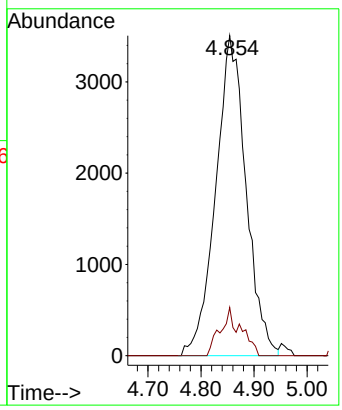


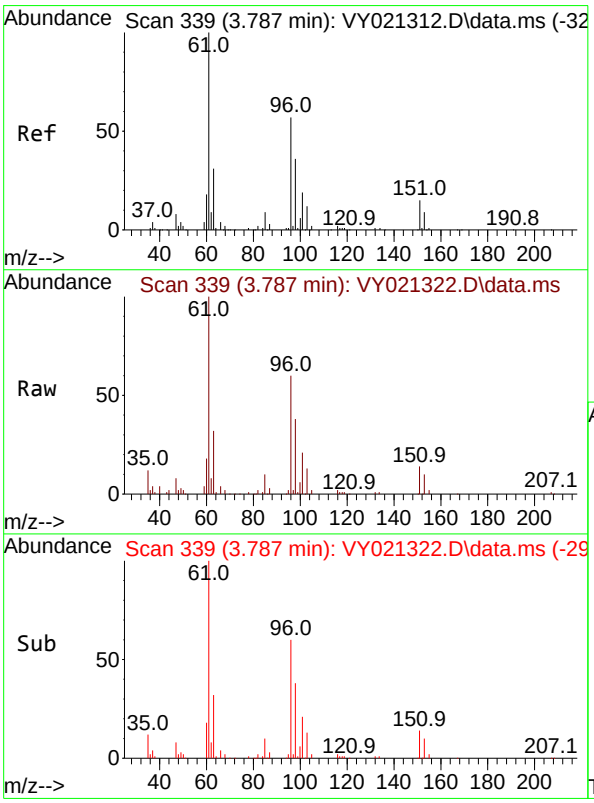
#11
Tert butyl alcohol
Concen: 86.641 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 59 Resp: 13942

Ion	Ratio	Lower	Upper
59	100		
57	6.7	8.3	12.5#

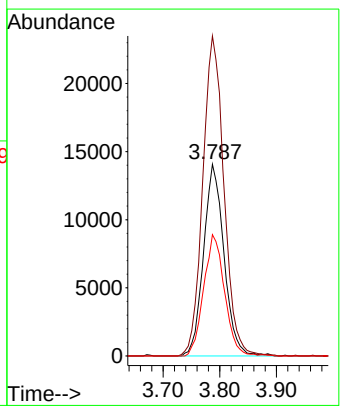


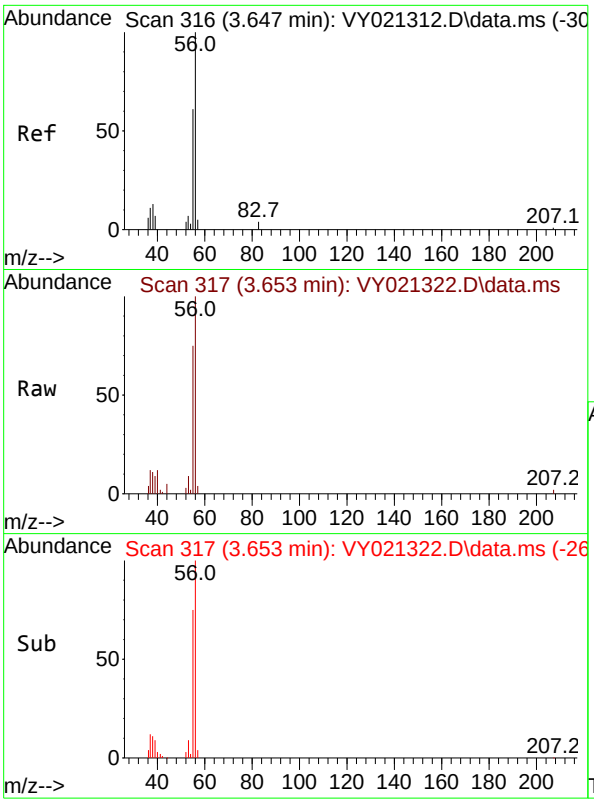


#12
1,1-Dichloroethene
Concen: 19.026 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 96 Resp: 35305

Ion	Ratio	Lower	Upper
96	100		
61	167.0	139.7	209.5
98	63.3	49.7	74.5



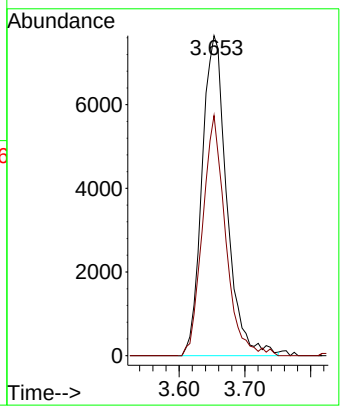


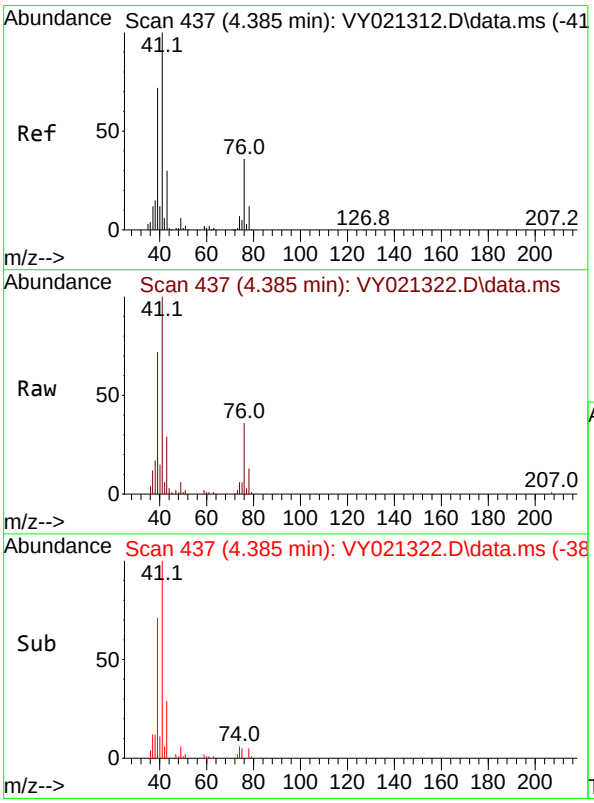
#13
Acrolein
Concen: 162.231 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 56 Resp: 20005

Ion	Ratio	Lower	Upper
56	100		
55	69.9	59.0	88.6

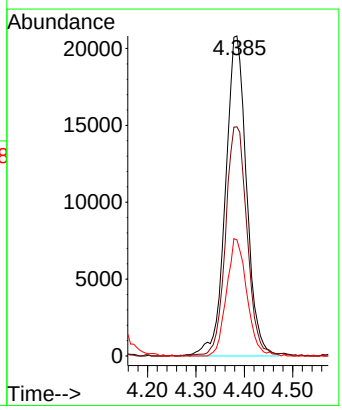


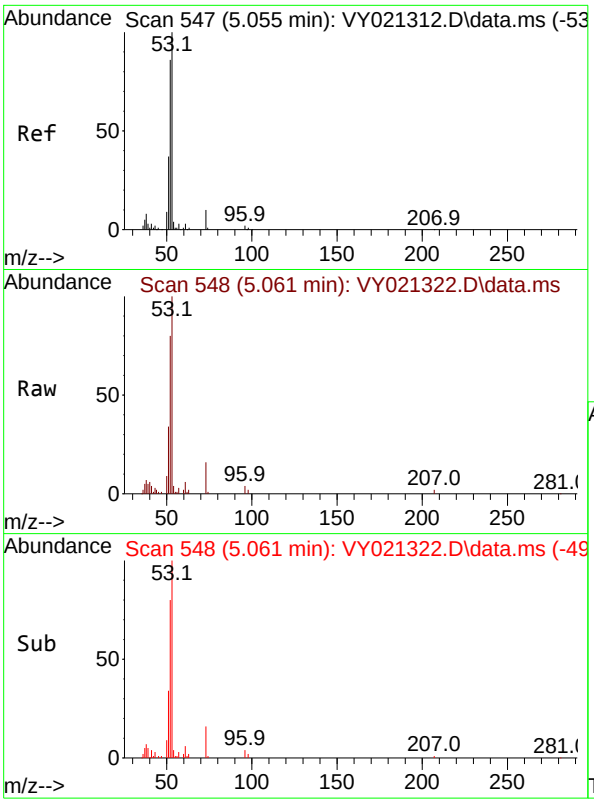


#14
Allyl chloride
Concen: 19.141 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 62973

Ion	Ratio	Lower	Upper
41	100		
39	73.4	60.0	90.0
76	35.3	29.0	43.6



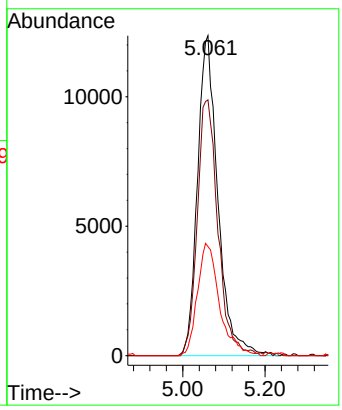


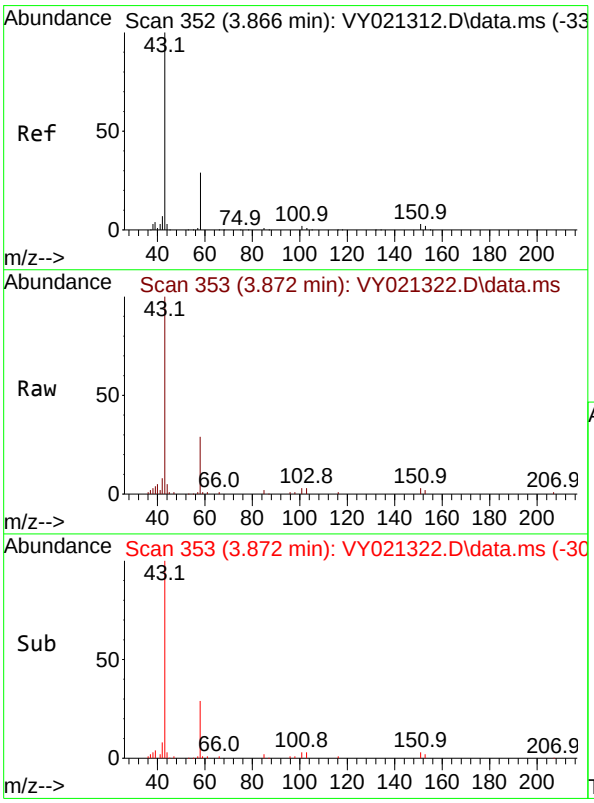
#15
Acrylonitrile
Concen: 95.903 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 53 Resp: 42599

Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.5	98.3
51	38.0	30.6	46.0

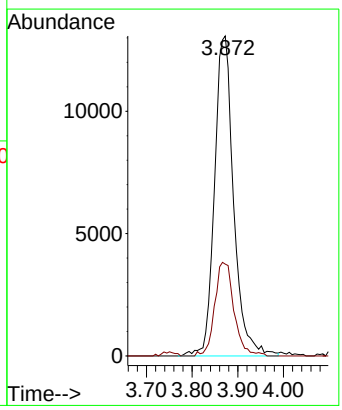


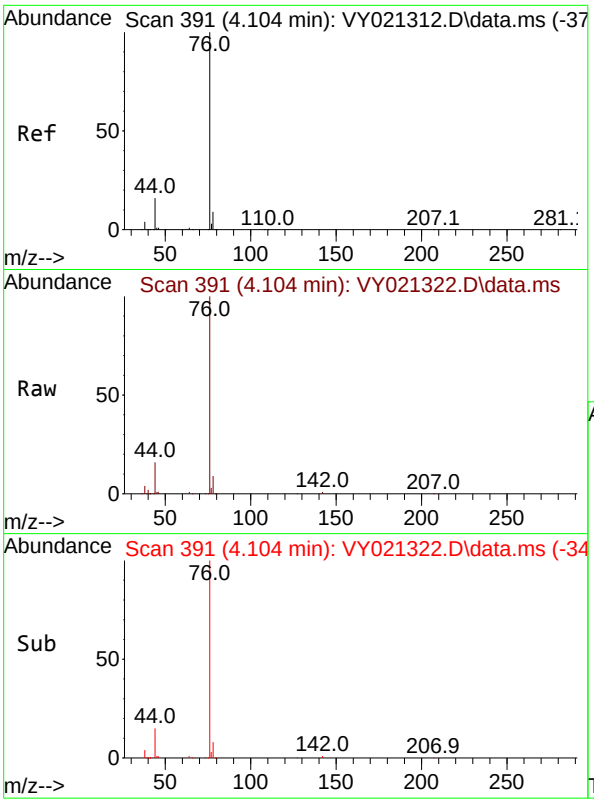


#16
Acetone
Concen: 94.873 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 38073

Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.5	35.3



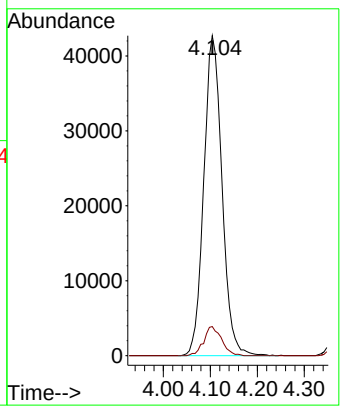


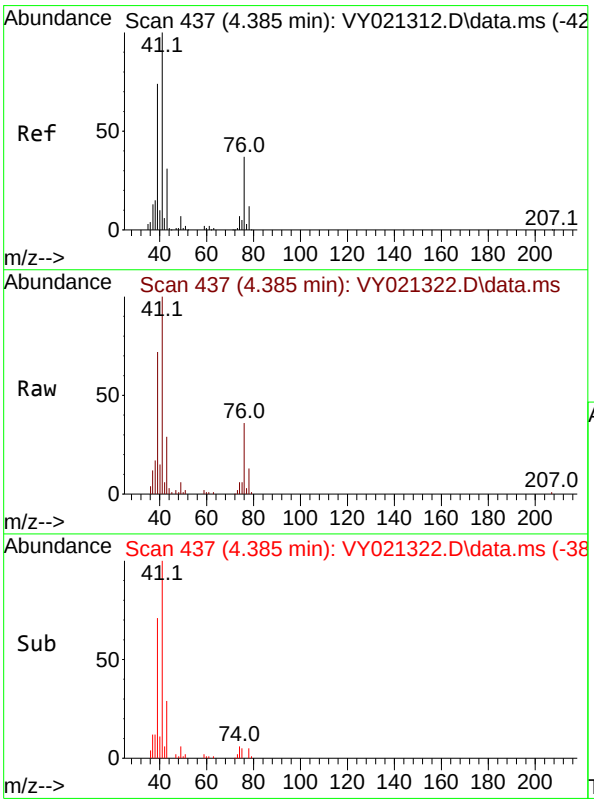
#17
Carbon Disulfide
Concen: 18.619 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 76 Resp: 114721

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

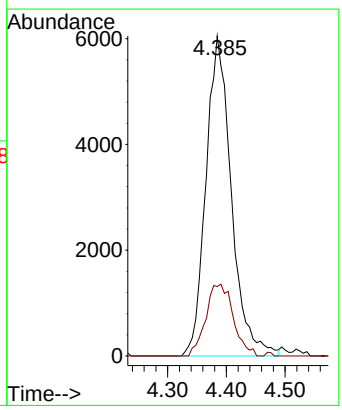


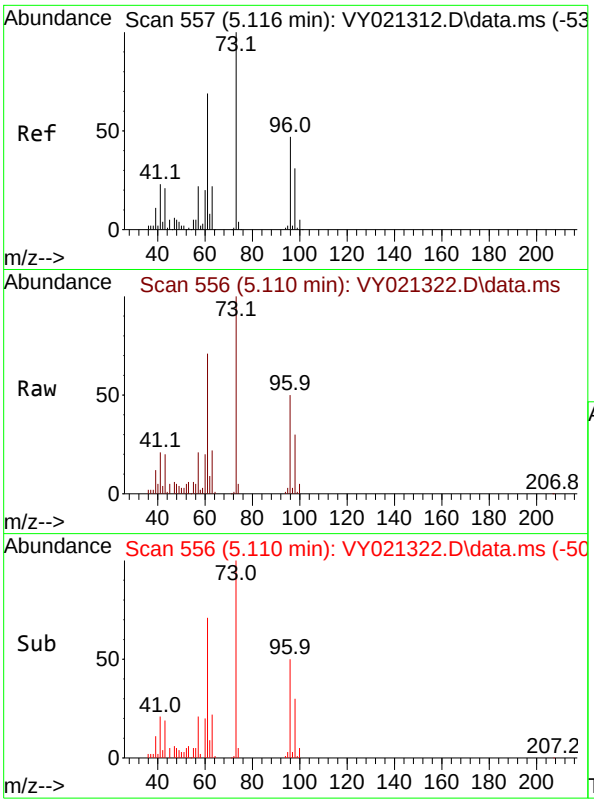


#18
Methyl Acetate
Concen: 18.509 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 18152

Ion	Ratio	Lower	Upper
43	100		
74	24.2	17.7	26.5



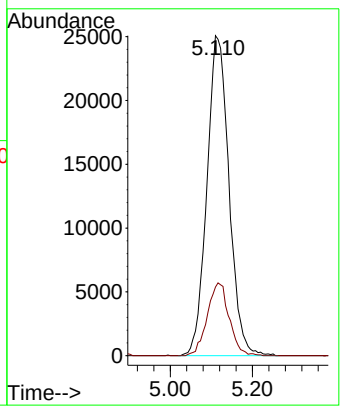


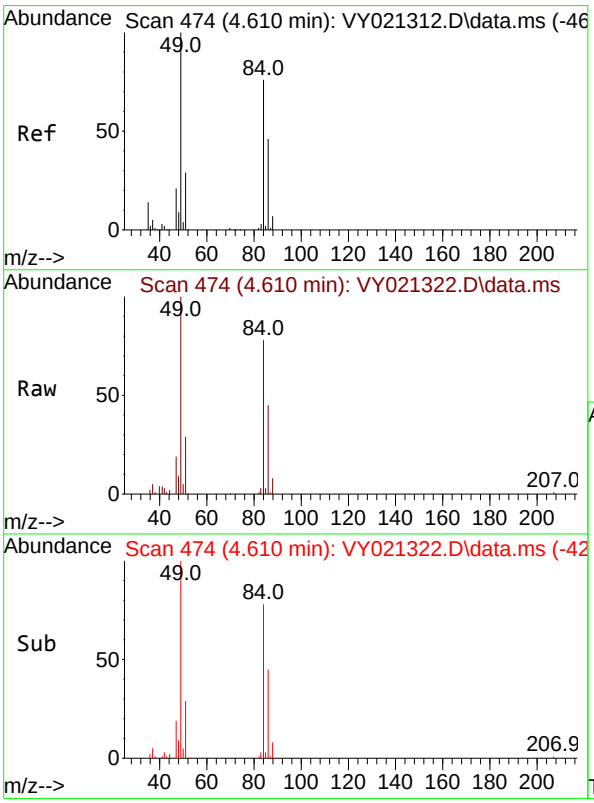
#19
Methyl tert-butyl Ether
Concen: 19.105 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 73 Resp: 93663

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0

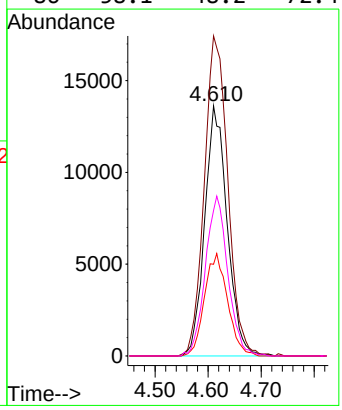


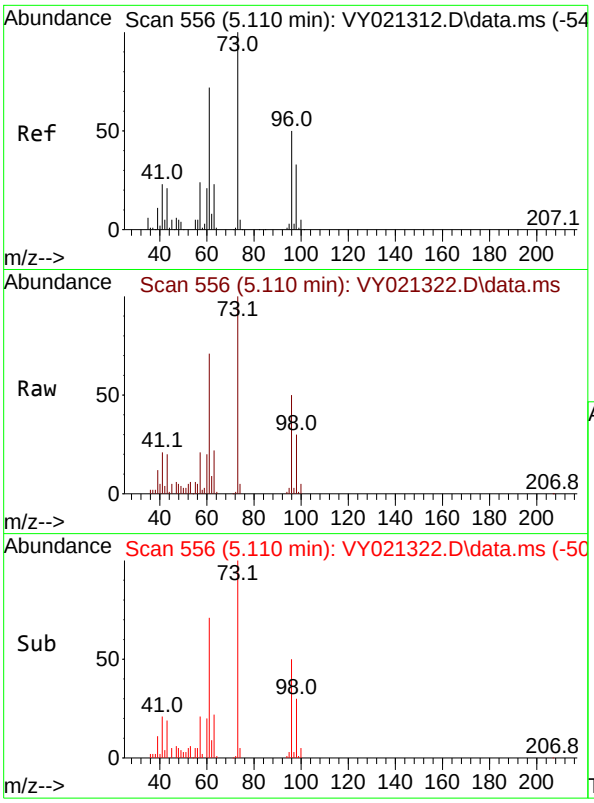


#20
Methylene Chloride
Concen: 18.488 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 84 Resp: 40120

Ion	Ratio	Lower	Upper
84	100		
49	128.0	105.1	157.7
51	36.7	31.0	46.4
86	58.1	48.2	72.4



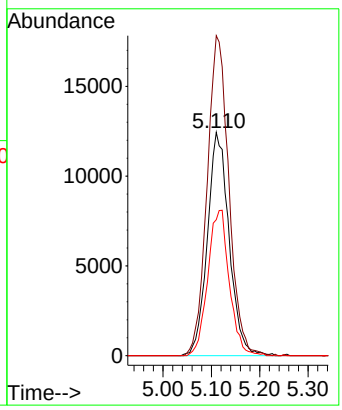


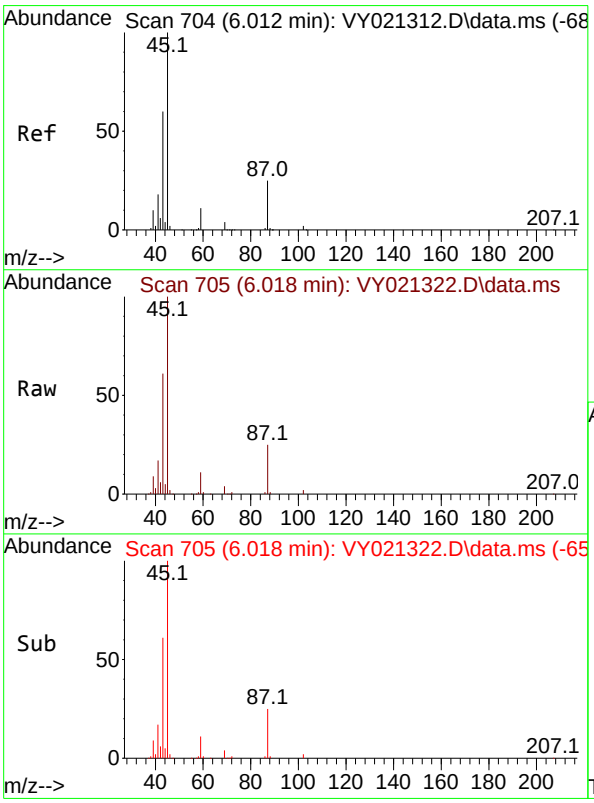
#21
trans-1,2-Dichloroethene
Concen: 19.029 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 96 Resp: 38871

Ion	Ratio	Lower	Upper
96	100		
61	143.3	116.3	174.5
98	60.9	52.6	78.8

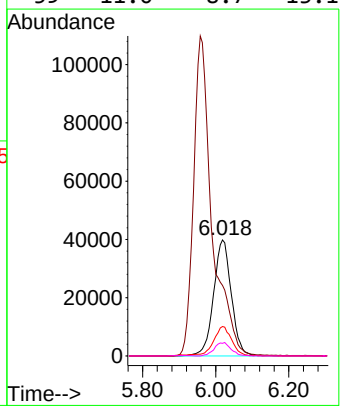


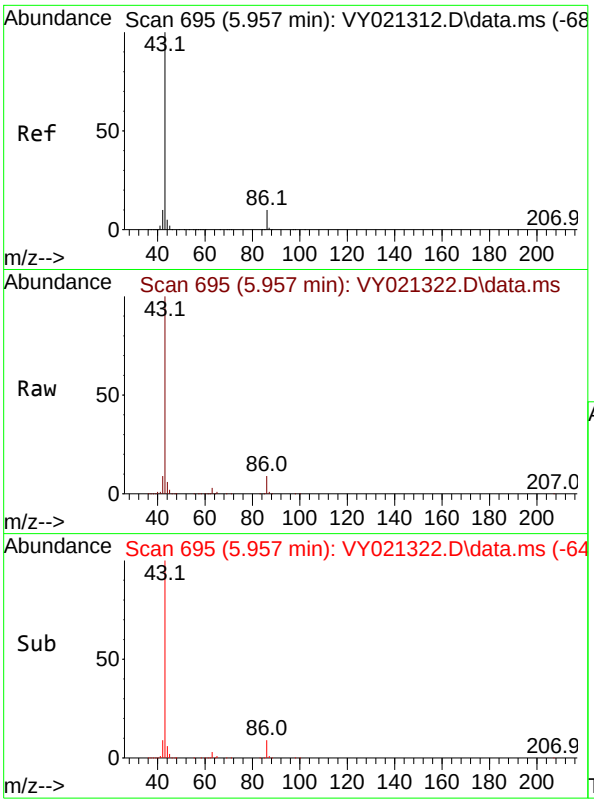


#22
Diisopropyl ether
Concen: 19.764 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 45 Resp: 134550

Ion	Ratio	Lower	Upper
45	100		
43	60.5	48.2	72.4
87	25.4	20.3	30.5
59	11.0	8.7	13.1



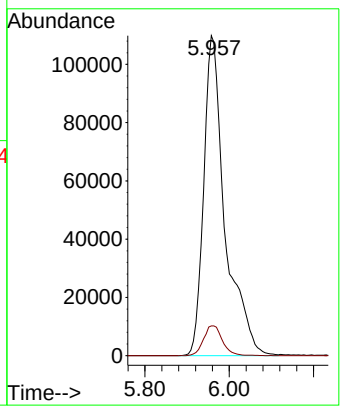


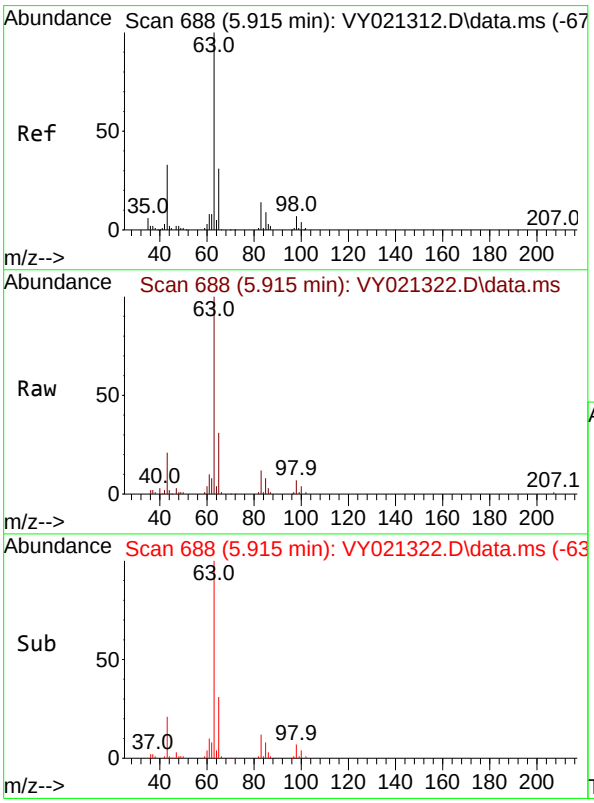
#23
Vinyl Acetate
Concen: 94.917 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 43 Resp: 386141

Ion	Ratio	Lower	Upper
43	100		
86	9.3	8.0	12.0

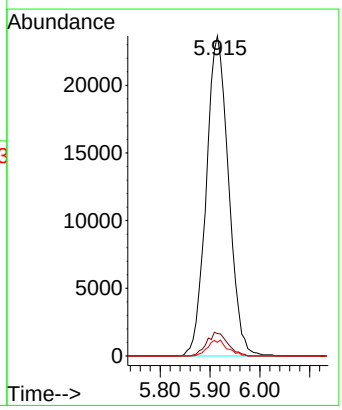


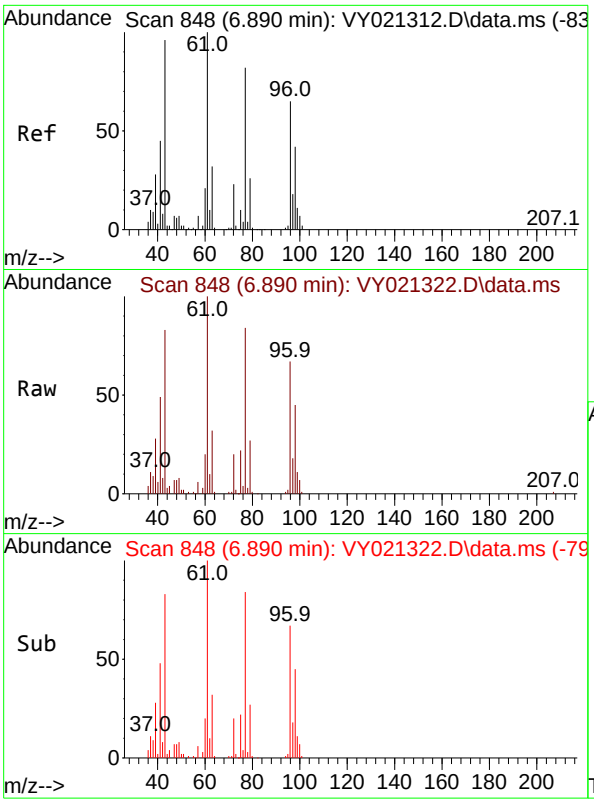


#24
1,1-Dichloroethane
Concen: 19.125 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 73384

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.7	11.1
100	4.3	2.1	6.5



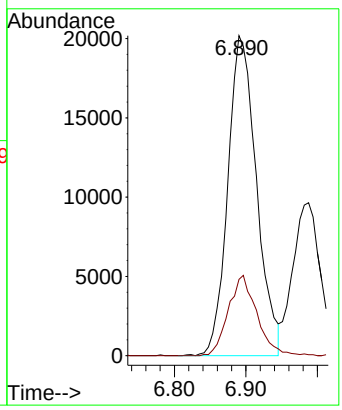


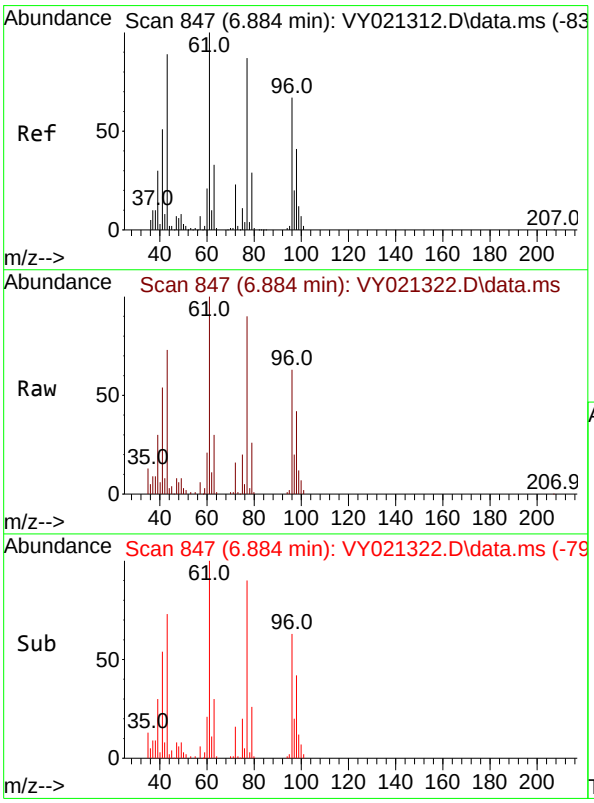
#25
2-Butanone
Concen: 92.910 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 43 Resp: 56272

Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.0	28.6

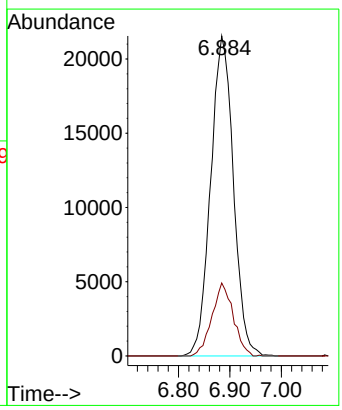


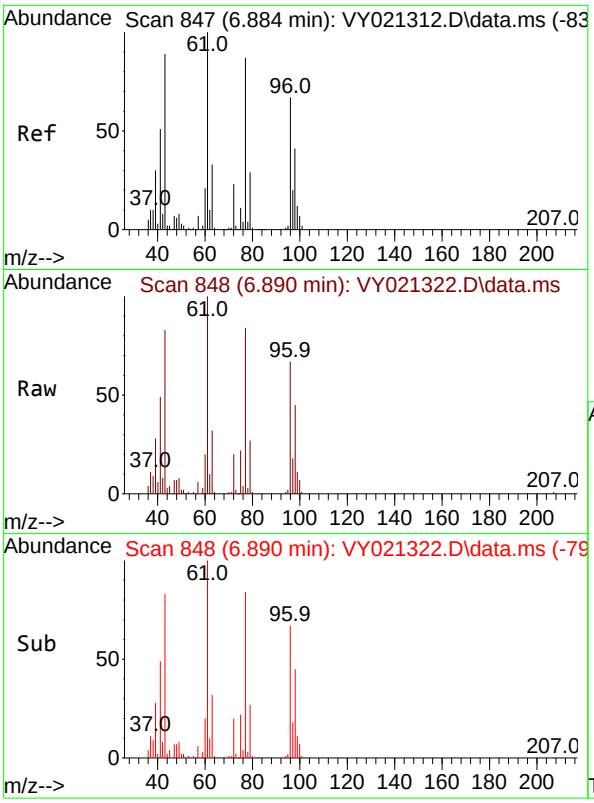


#26
2,2-Dichloropropane
Concen: 19.026 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 77 Resp: 66242

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.9	32.7



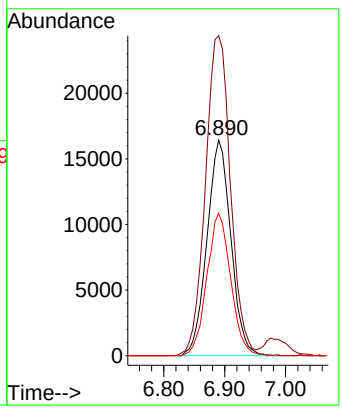


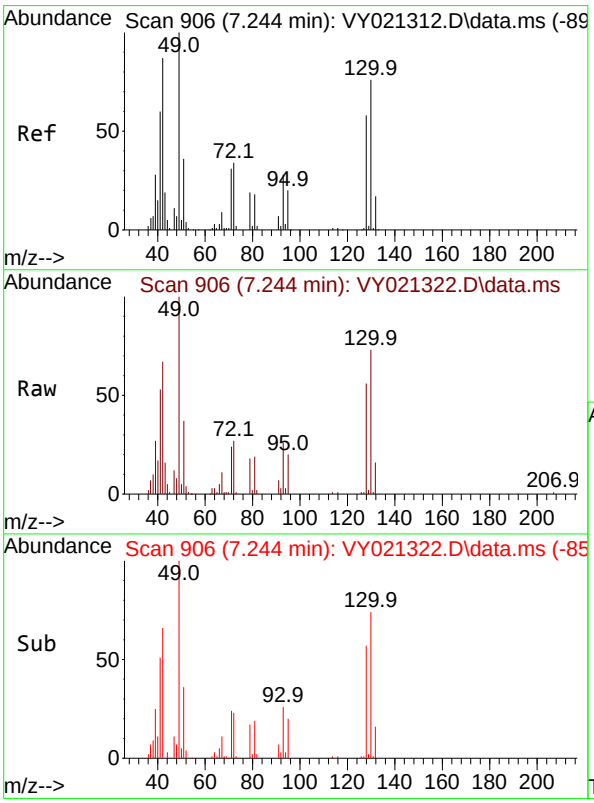
#27
cis-1,2-Dichloroethene
Concen: 19.204 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 96 Resp: 44795

Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	308.0
98	65.6	0.0	129.6

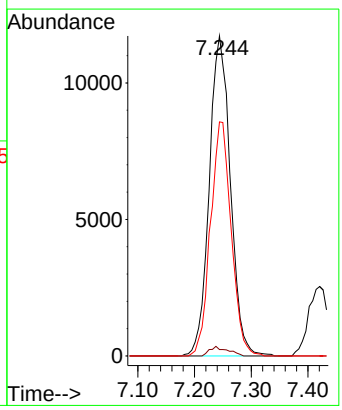


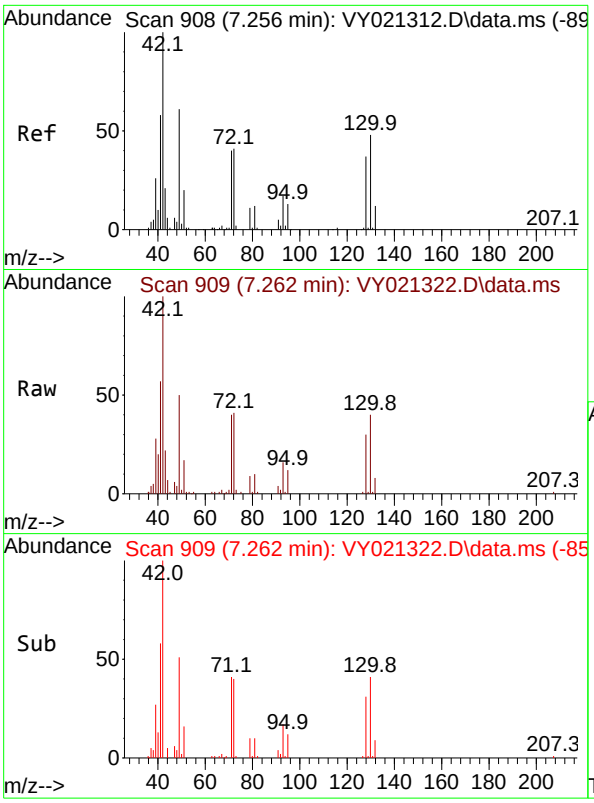


#28
Bromochloromethane
Concen: 17.864 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 49 Resp: 30330

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.0
130	71.7	57.8	86.6



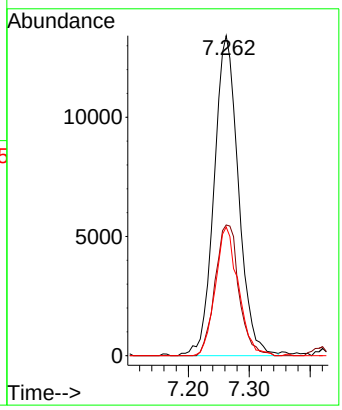


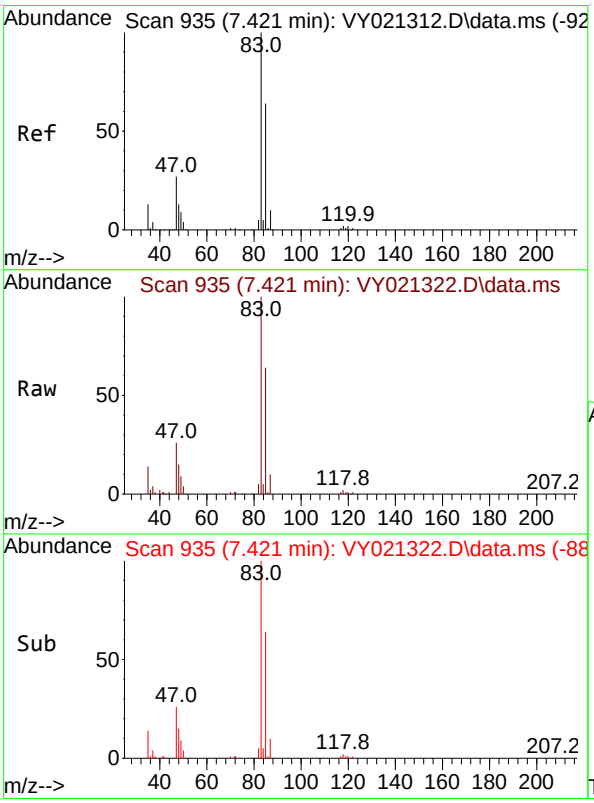
#29
Tetrahydrofuran
Concen: 94.152 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 42 Resp: 37274

Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.1	49.7
71	38.0	31.4	47.0

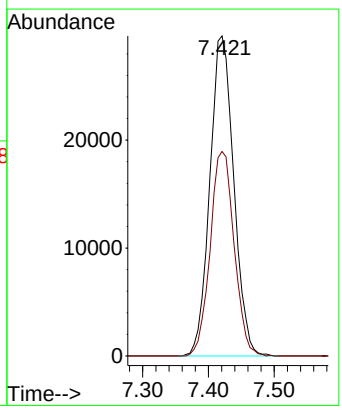


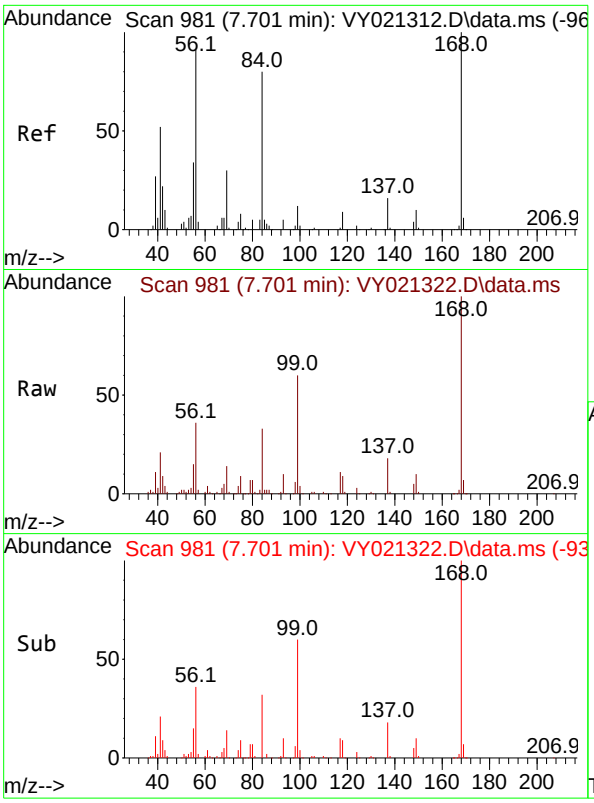


#30
Chloroform
Concen: 19.294 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 83 Resp: 75017

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.6	77.4



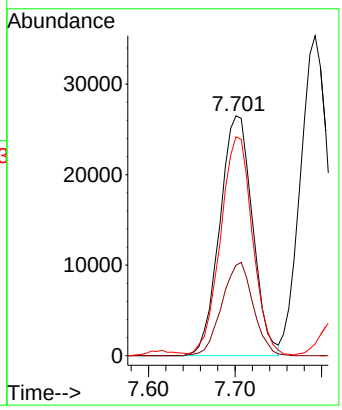


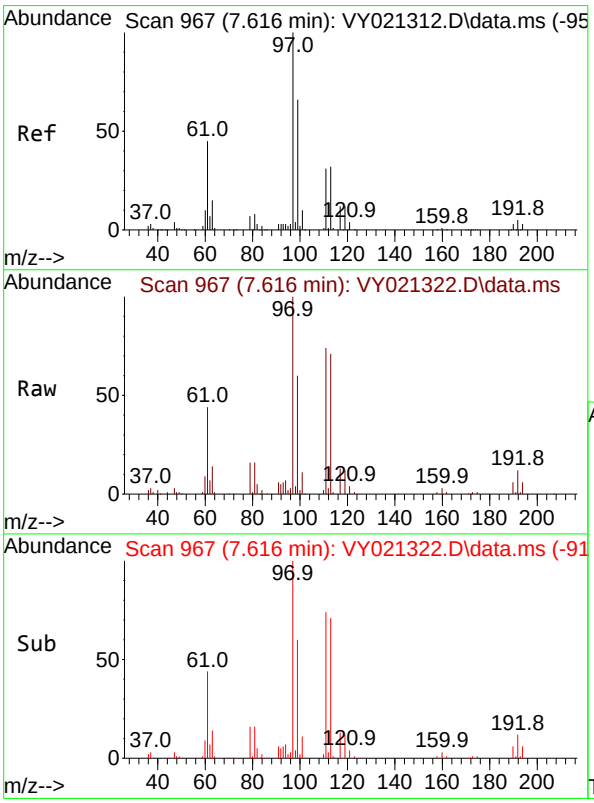
#31
Cyclohexane
Concen: 18.881 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 56 Resp: 69642

Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.2	39.4
84	90.1	70.2	105.4

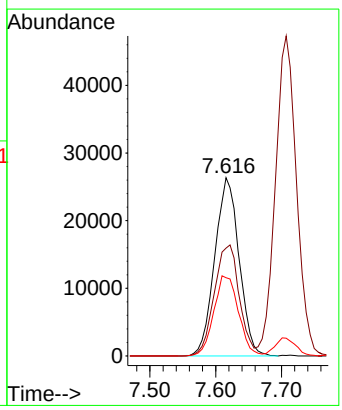


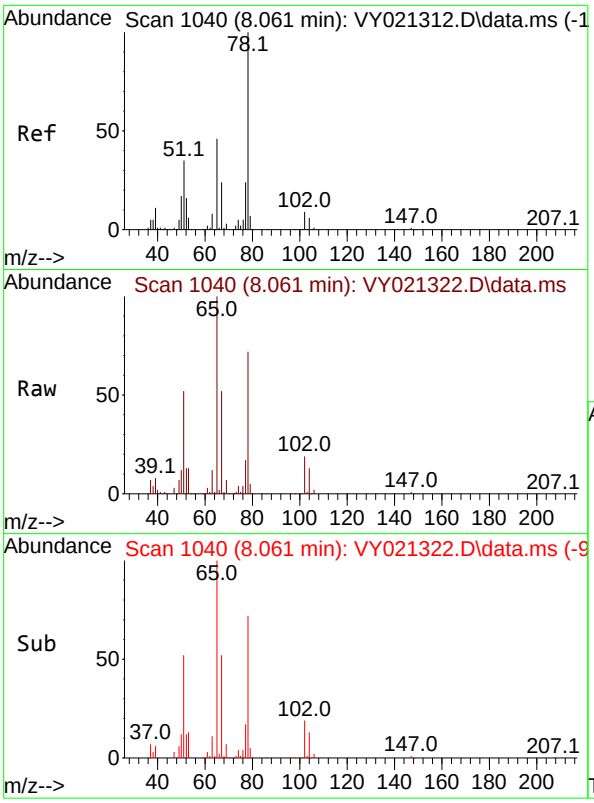


#32
1,1,1-Trichloroethane
Concen: 19.180 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 97 Resp: 67879

Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.4	78.6
61	45.6	36.2	54.2



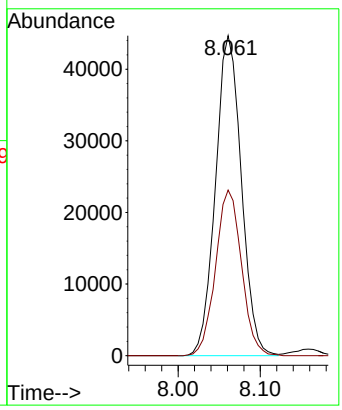


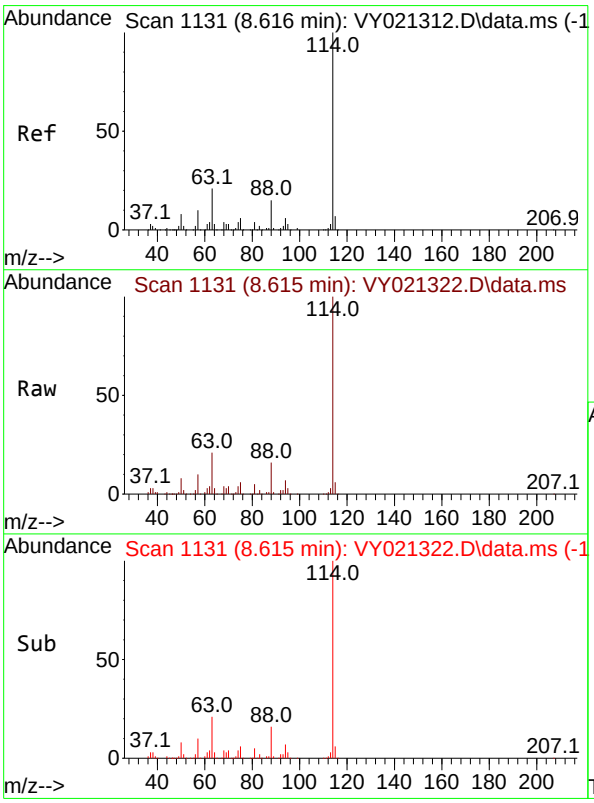
#33
1,2-Dichloroethane-d4
Concen: 46.693 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 65 Resp: 97685

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6

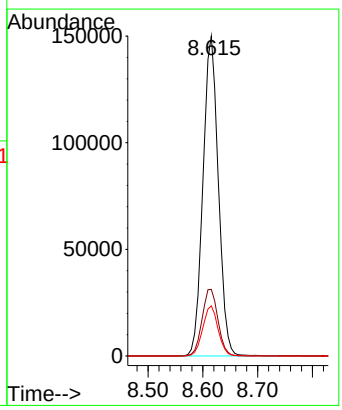


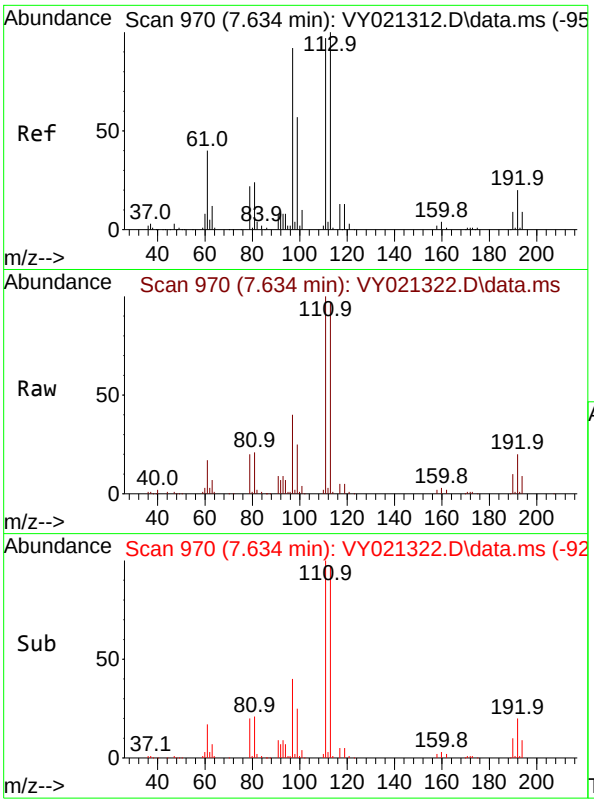


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:114 Resp: 291138

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.2
88	15.6	0.0	29.8



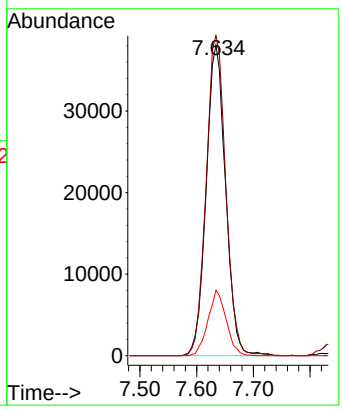


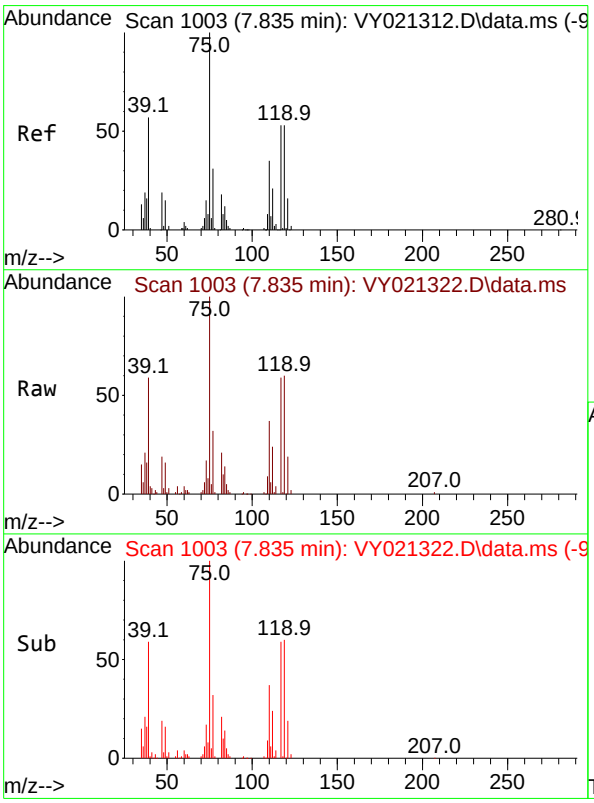
#35
Dibromofluoromethane
Concen: 47.410 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:113 Resp: 90492

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.0	121.6
192	19.8	15.8	23.8

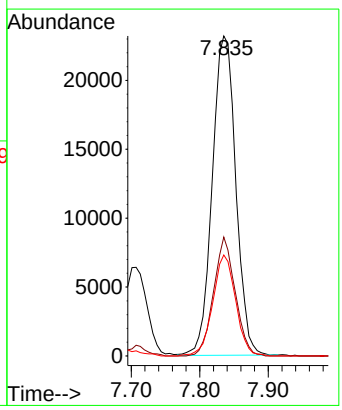


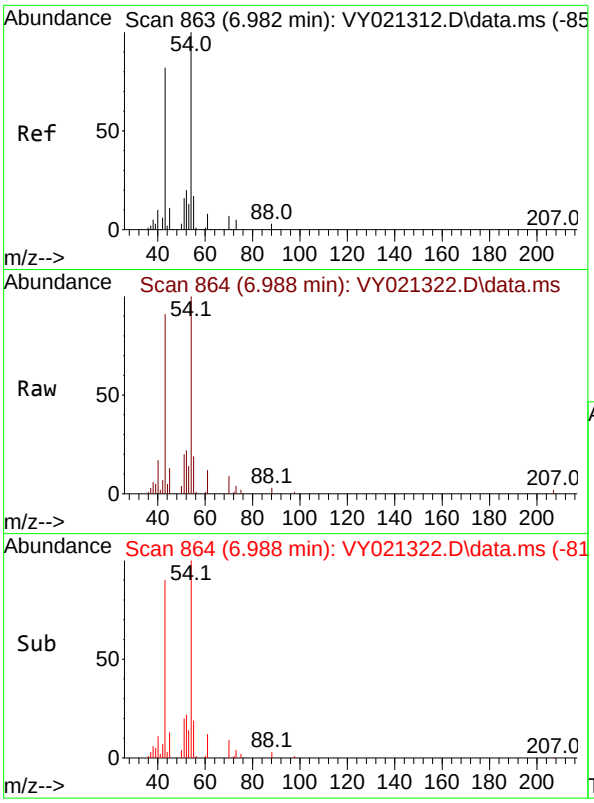


#36
1,1-Dichloropropene
Concen: 19.247 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 55184

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	30.8	24.6	36.8



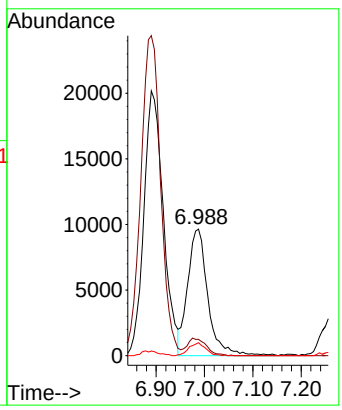


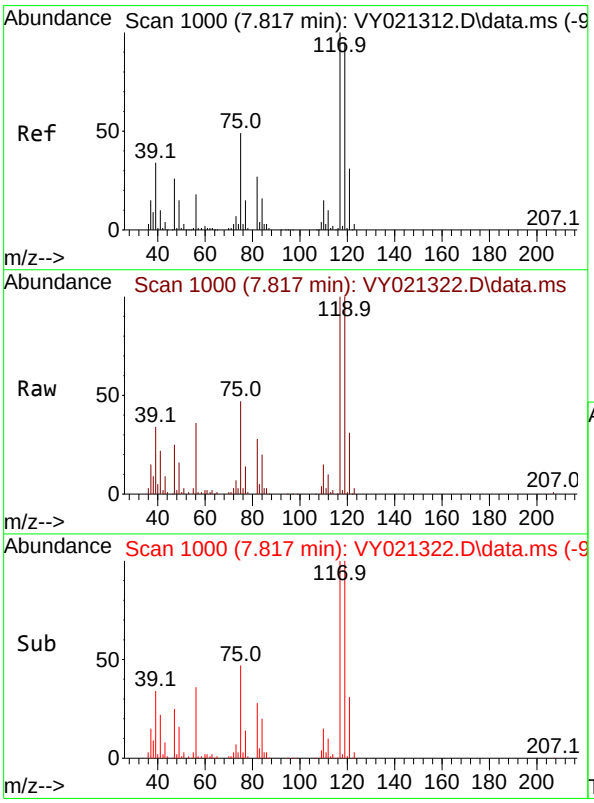
#37
Ethyl Acetate
Concen: 19.657 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 43 Resp: 28035

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	8.5	7.5	11.3

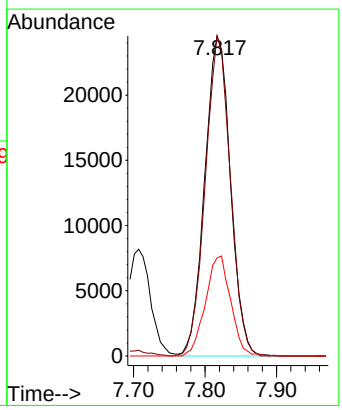


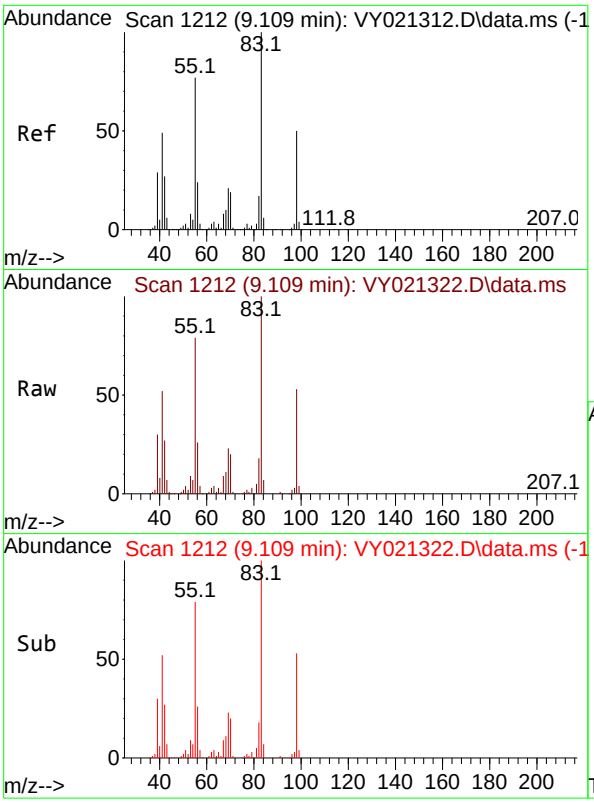


#38
Carbon Tetrachloride
Concen: 18.991 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 61214

Ion	Ratio	Lower	Upper
117	100		
119	100.1	76.0	114.0
121	30.7	24.9	37.3



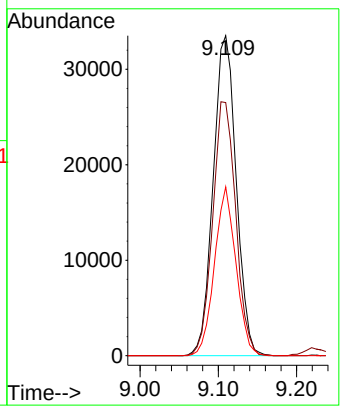


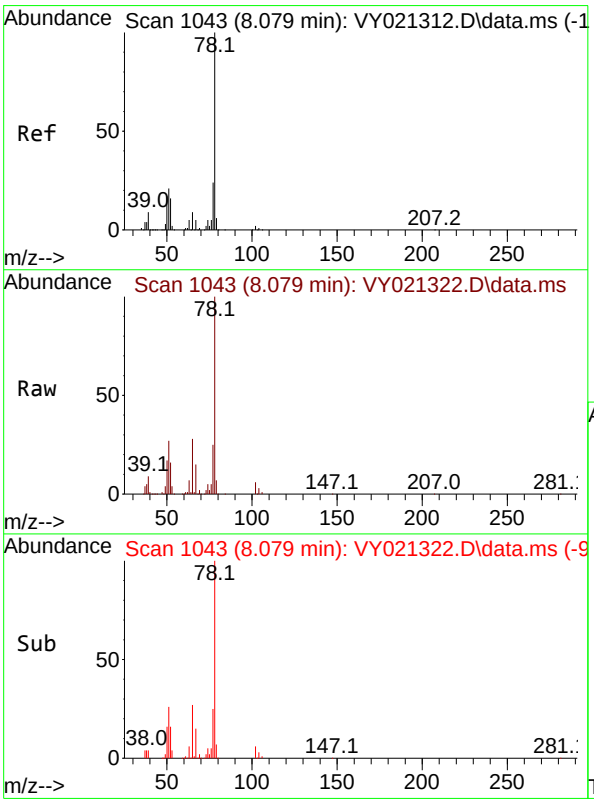
#39
Methylcyclohexane
Concen: 18.897 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 83 Resp: 68527

Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.3	91.9
98	52.7	39.9	59.9

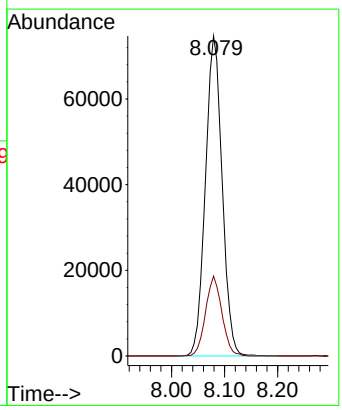


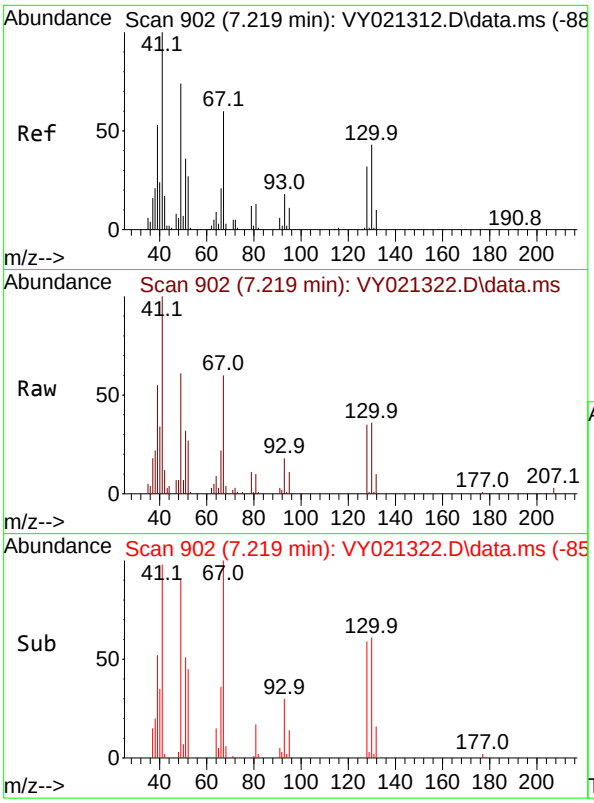


#40
Benzene
Concen: 19.308 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 78 Resp: 163641

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8



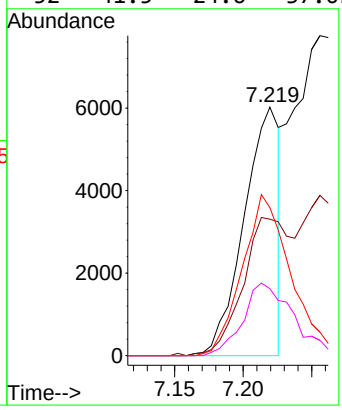


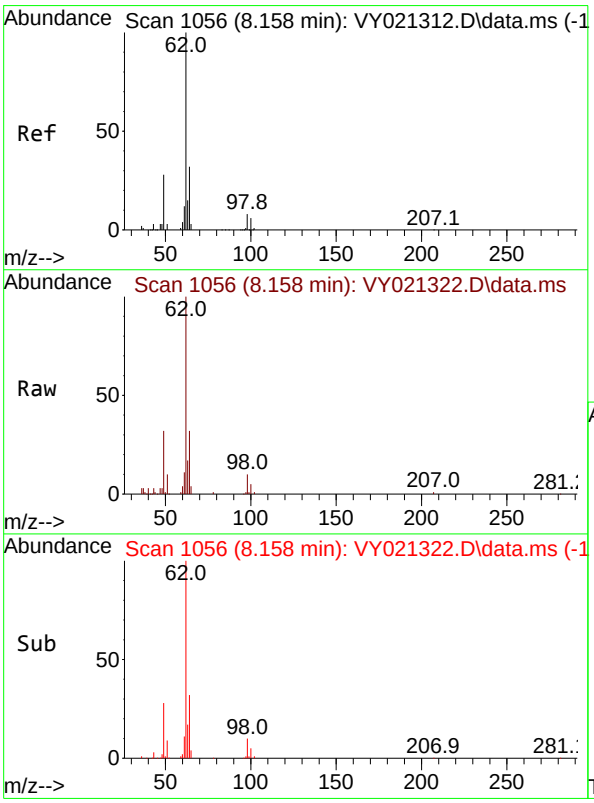
#41
Methacrylonitrile
Concen: 13.653 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 41 Resp: 10887

Ion	Ratio	Lower	Upper
41	100		
39	77.0	42.3	63.5#
67	88.9	54.8	82.2#
52	41.5	24.6	37.0#

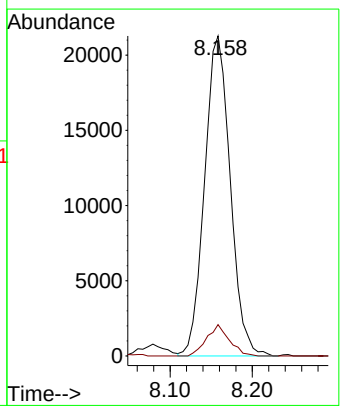


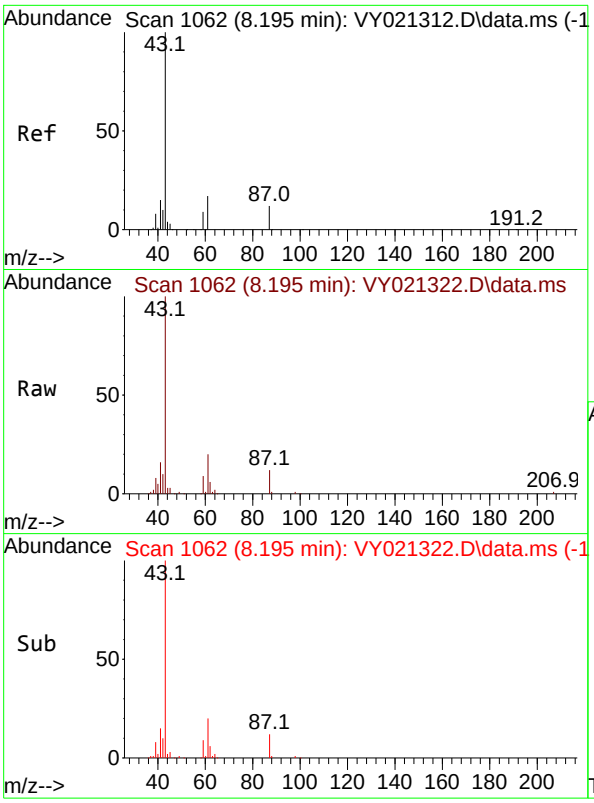


#42
1,2-Dichloroethane
Concen: 19.193 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 62 Resp: 46152

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6



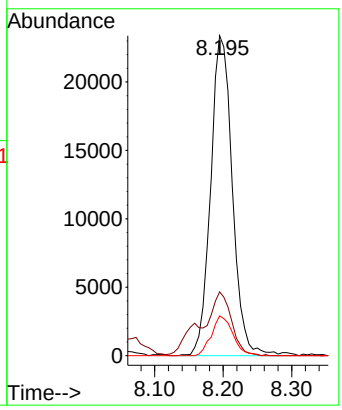


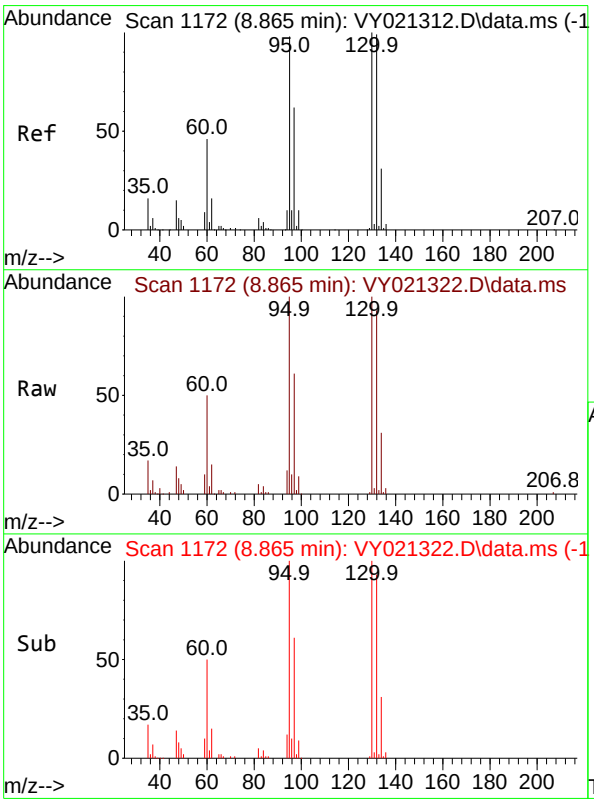
#43
Isopropyl Acetate
Concen: 18.626 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 43 Resp: 51417

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.0	22.6
87	12.2	10.0	15.0

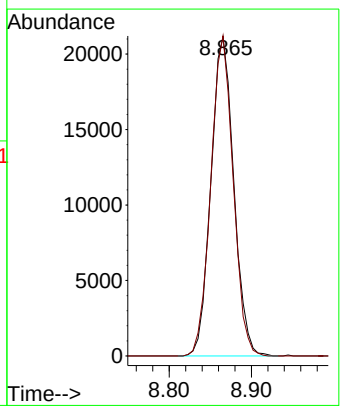


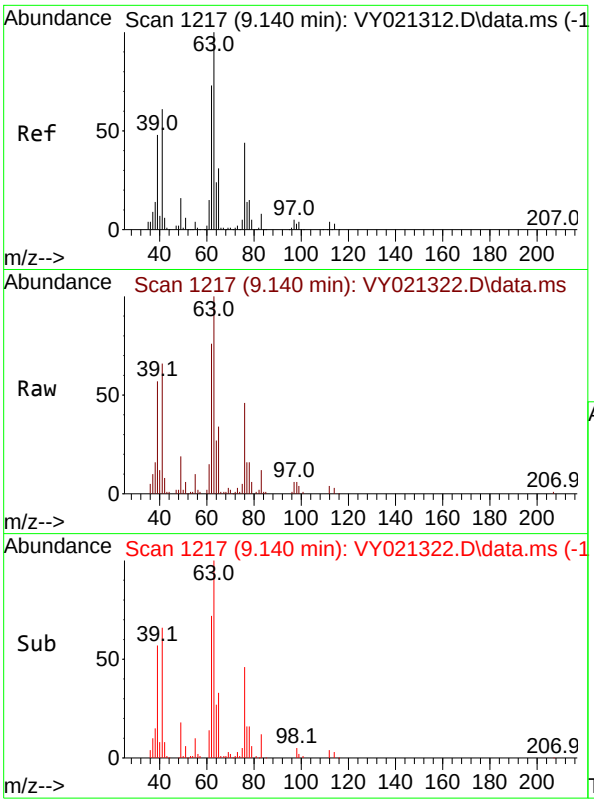


#44
Trichloroethene
Concen: 19.214 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:130 Resp: 40770

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	196.0



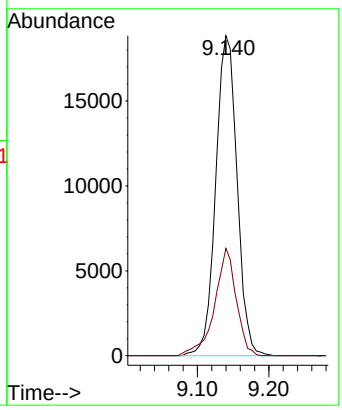


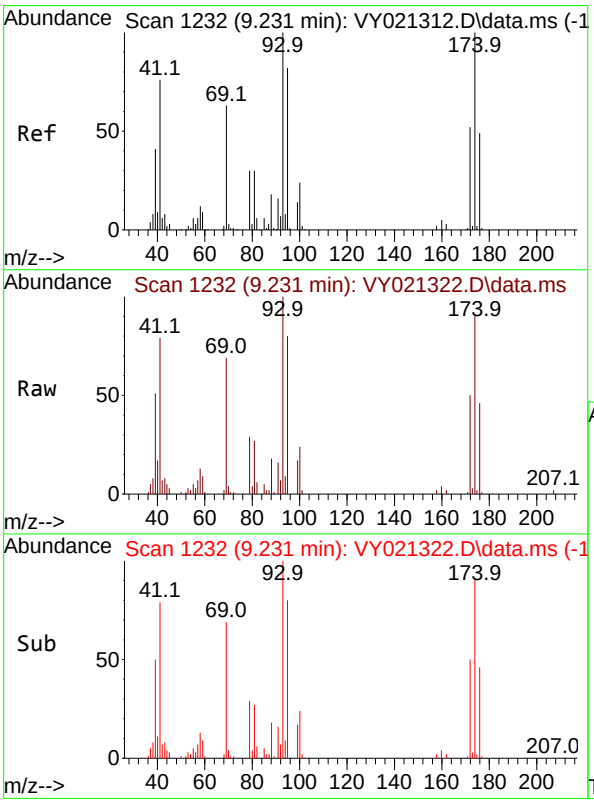
#45
1,2-Dichloropropane
Concen: 19.139 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 63 Resp: 39037

Ion	Ratio	Lower	Upper
63	100		
65	33.5	24.6	36.8

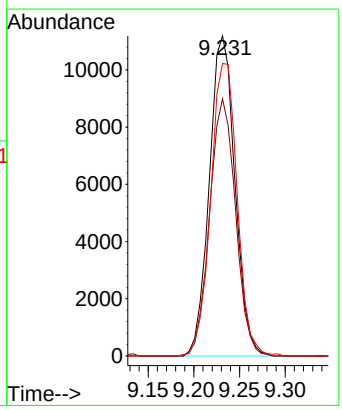


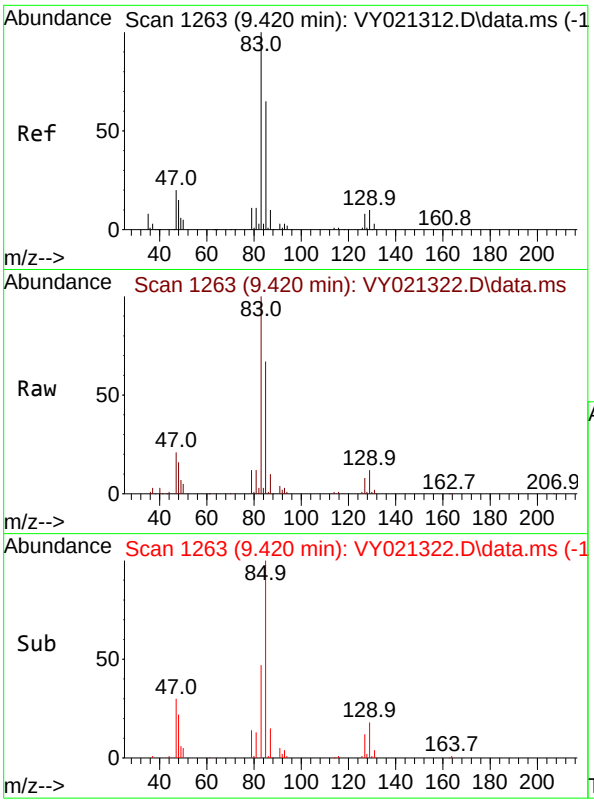


#46
Dibromomethane
Concen: 19.549 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 93 Resp: 21795

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.4	99.6
174	94.2	78.2	117.2



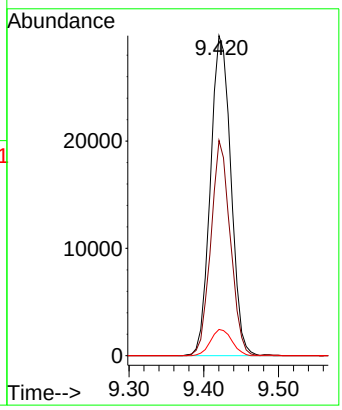


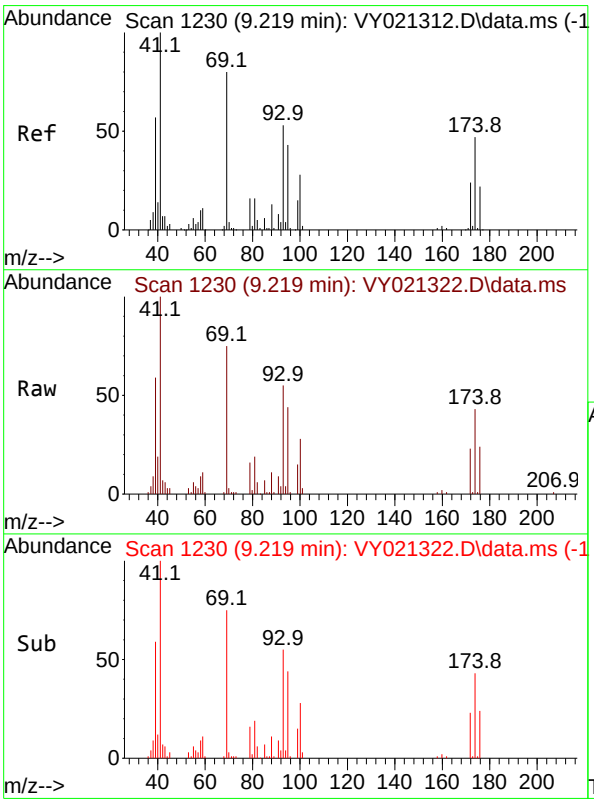
#47
Bromodichloromethane
Concen: 19.056 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 83 Resp: 56650

Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.8	77.8
127	8.2	6.7	10.1

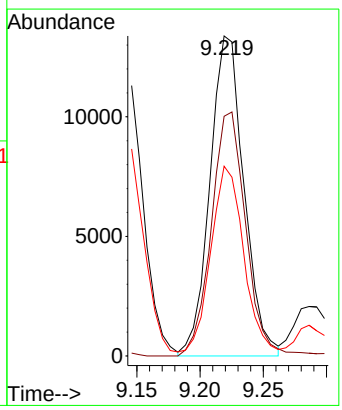


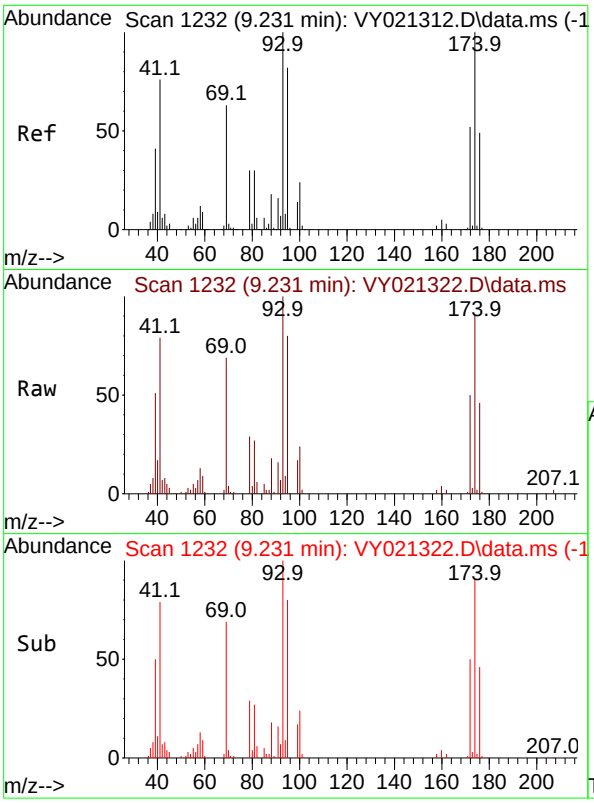


#48
Methyl methacrylate
Concen: 19.377 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 41 Resp: 25014

Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.3	94.9
39	55.5	45.0	67.6



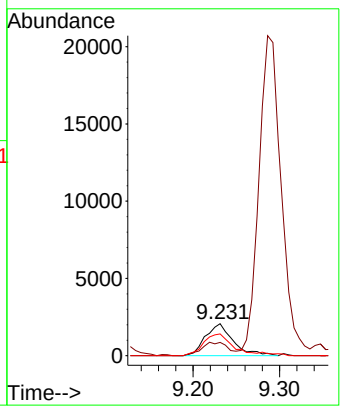


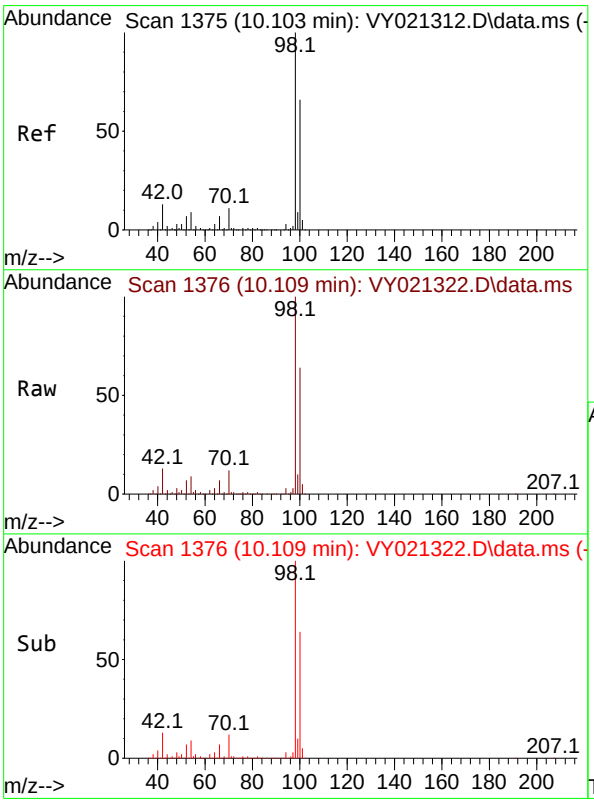
#49
1,4-Dioxane
Concen: 369.128 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 88 Resp: 4576

Ion	Ratio	Lower	Upper
88	100		
43	40.2	34.8	52.2
58	76.9	59.8	89.6

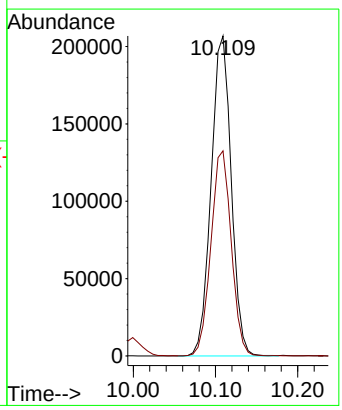


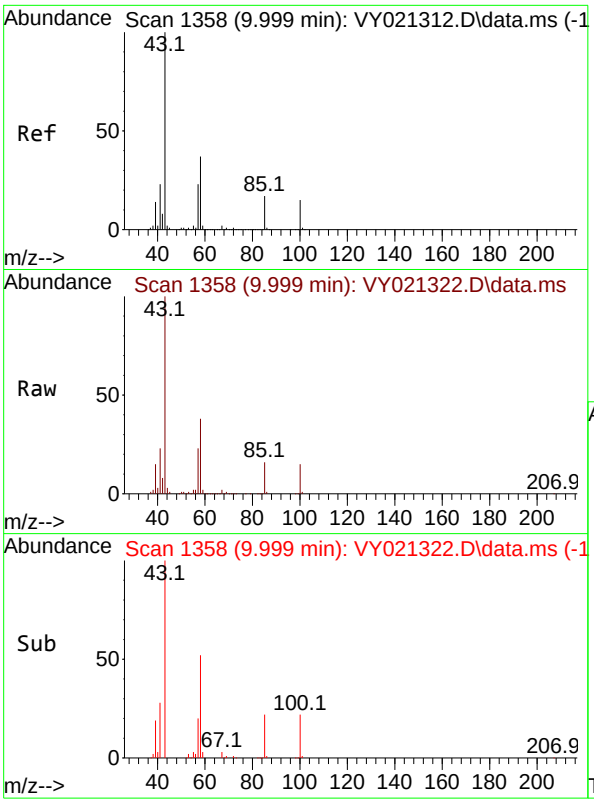


#50
Toluene-d8
Concen: 47.609 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 98 Resp: 351200

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6



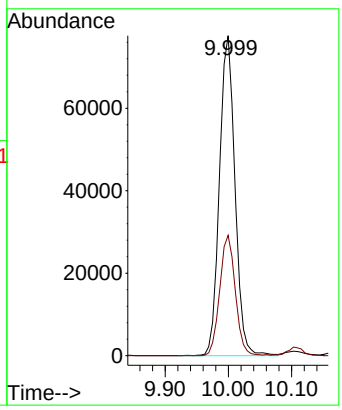


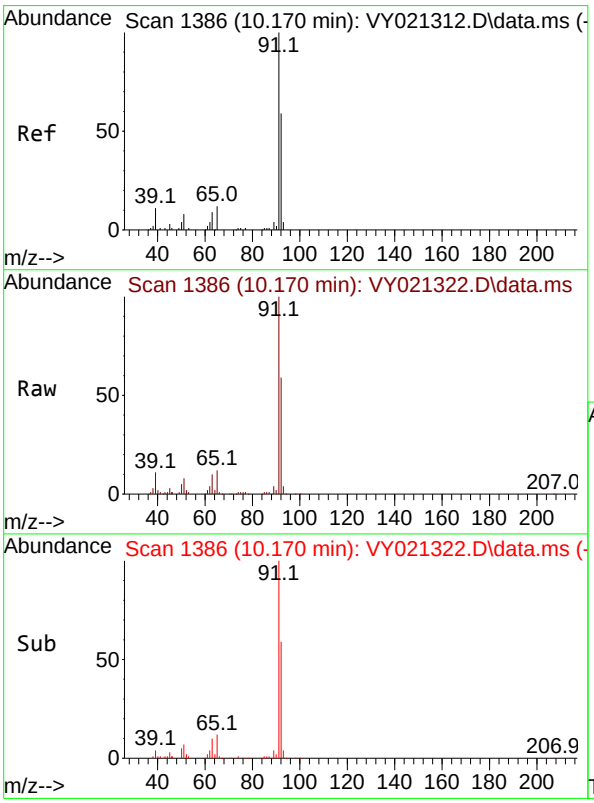
#51
4-Methyl-2-Pentanone
Concen: 93.298 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 43 Resp: 131838

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.1	45.1

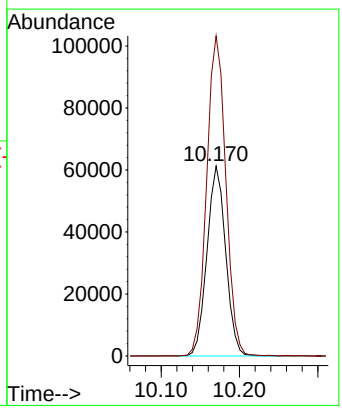


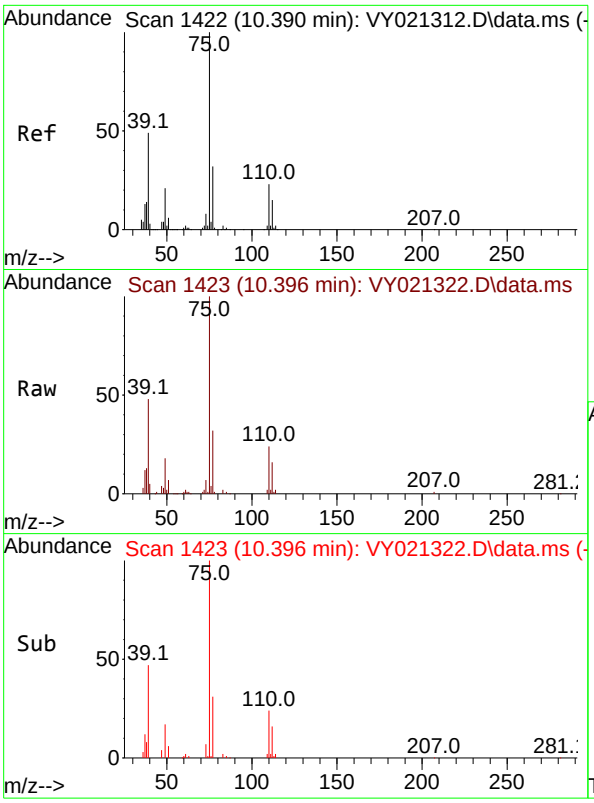


#52
Toluene
Concen: 19.255 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 92 Resp: 101381

Ion	Ratio	Lower	Upper
92	100		
91	172.7	137.8	206.8



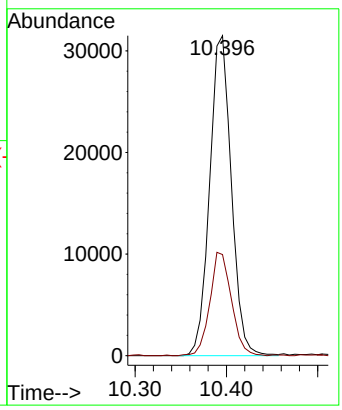


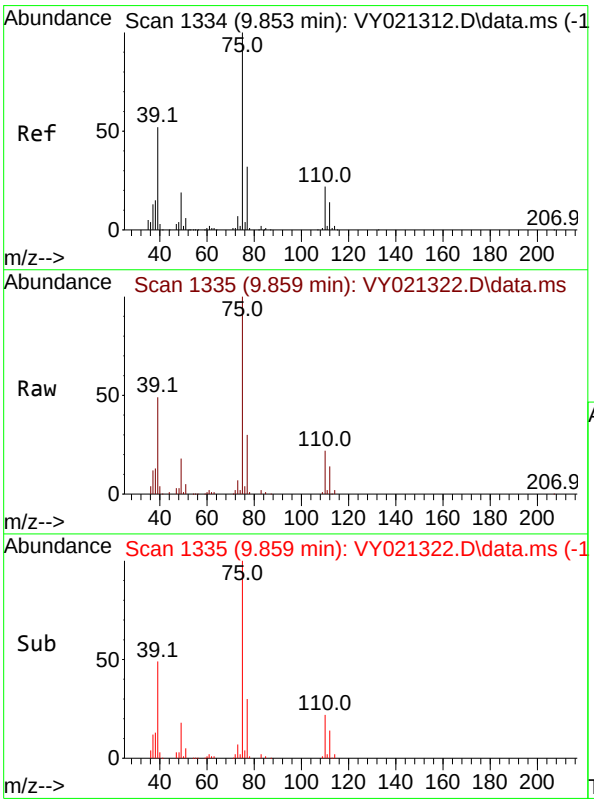
#53
t-1,3-Dichloropropene
Concen: 19.034 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 75 Resp: 51842

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9

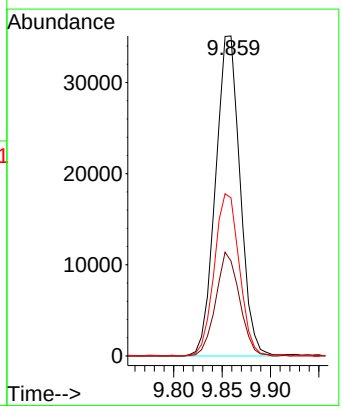


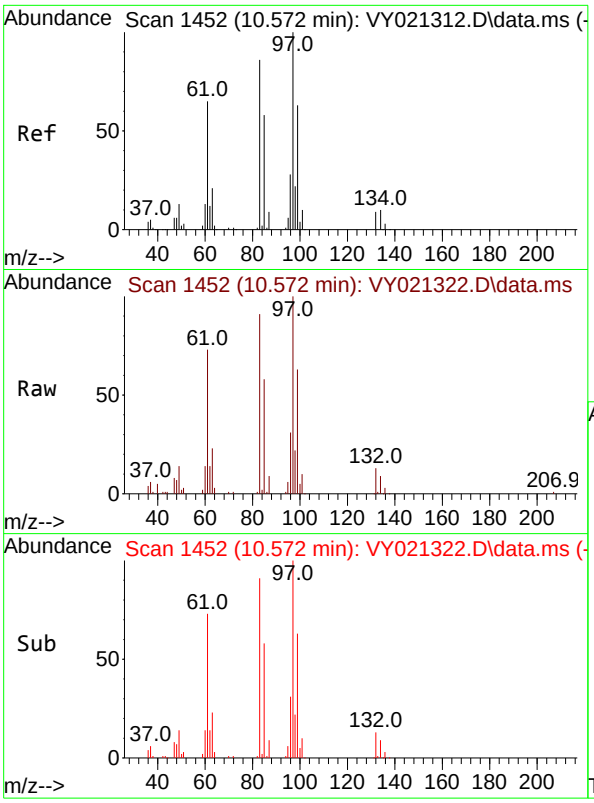


#54
cis-1,3-Dichloropropene
Concen: 19.278 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 61986

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.7	38.5
39	49.4	41.8	62.6



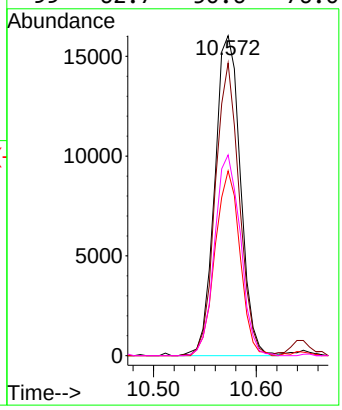


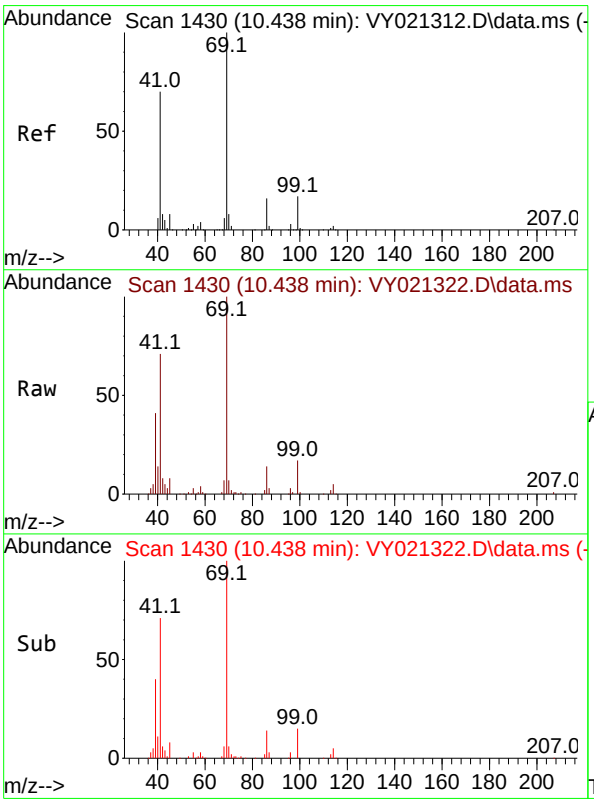
#55
1,1,2-Trichloroethane
Concen: 19.099 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 97 Resp: 27740

Ion	Ratio	Lower	Upper
97	100		
83	91.5	68.7	103.1
85	57.8	46.3	69.5
99	62.7	50.6	76.0

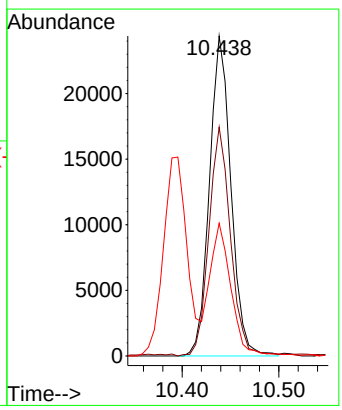


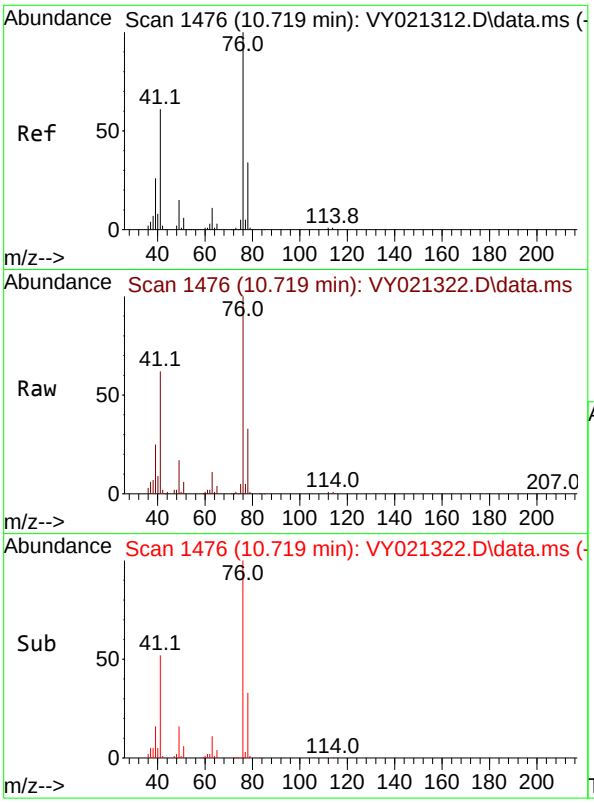


#56
Ethyl methacrylate
Concen: 18.751 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 69 Resp: 37632

Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.2	84.4
39	40.8	32.7	49.1



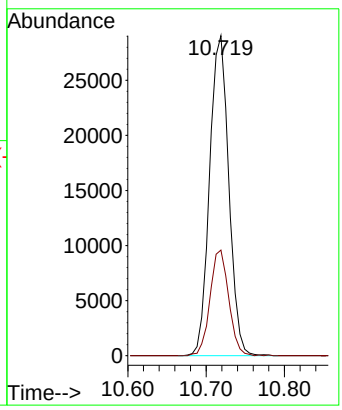


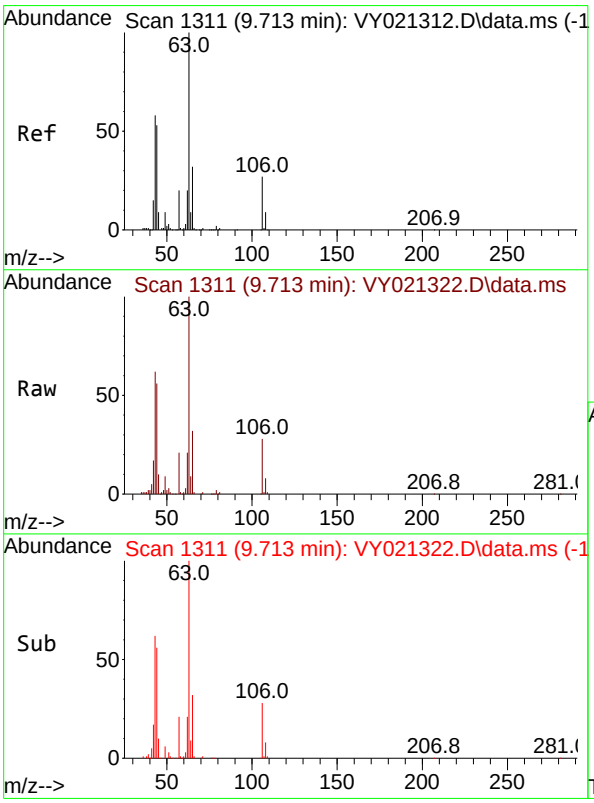
#57
1,3-Dichloropropane
Concen: 19.380 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 76 Resp: 49393

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

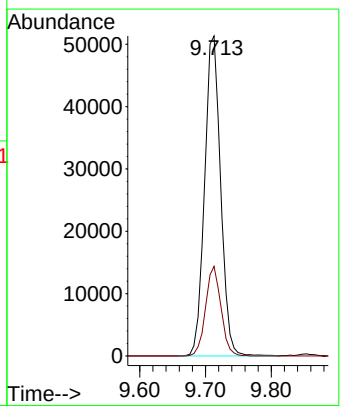


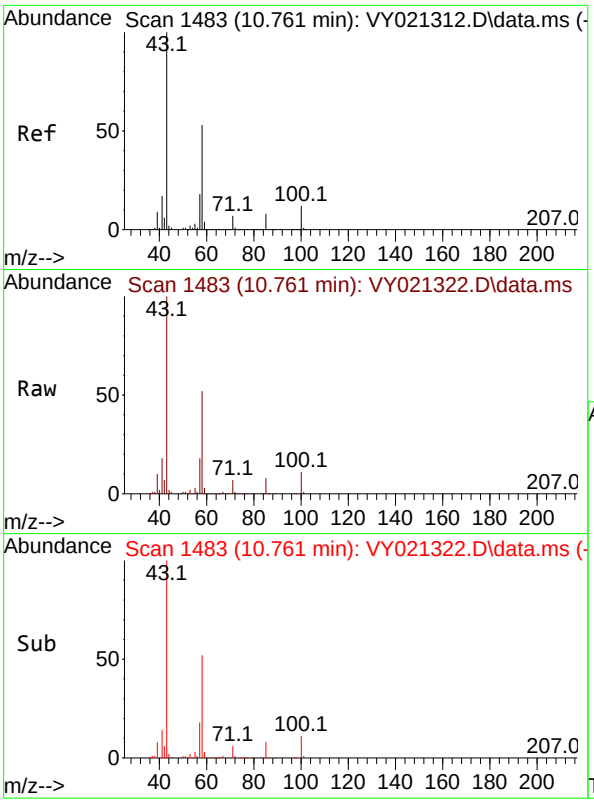


#58
2-Chloroethyl Vinyl ether
Concen: 90.414 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 63 Resp: 87093

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5



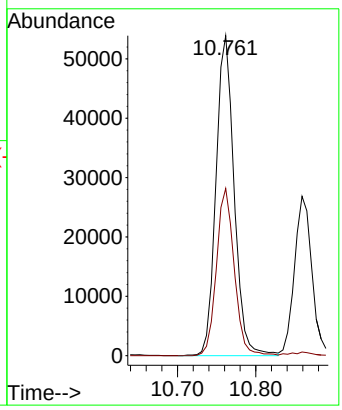


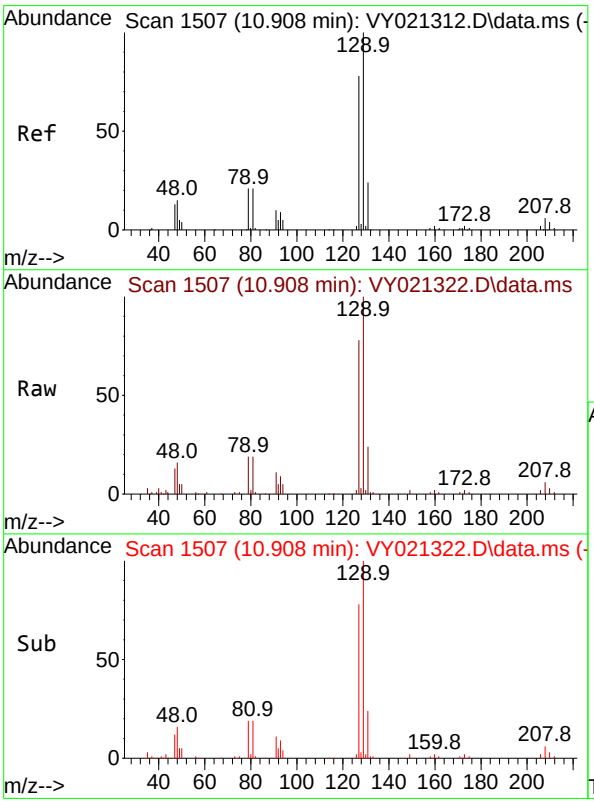
#59
2-Hexanone
Concen: 93.755 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 43 Resp: 87008

Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.9	77.6

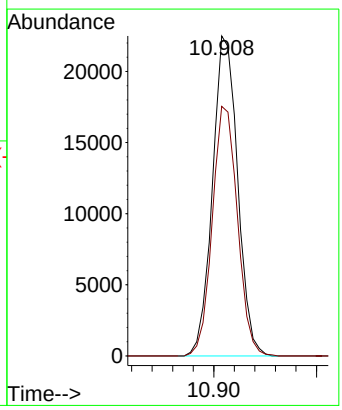


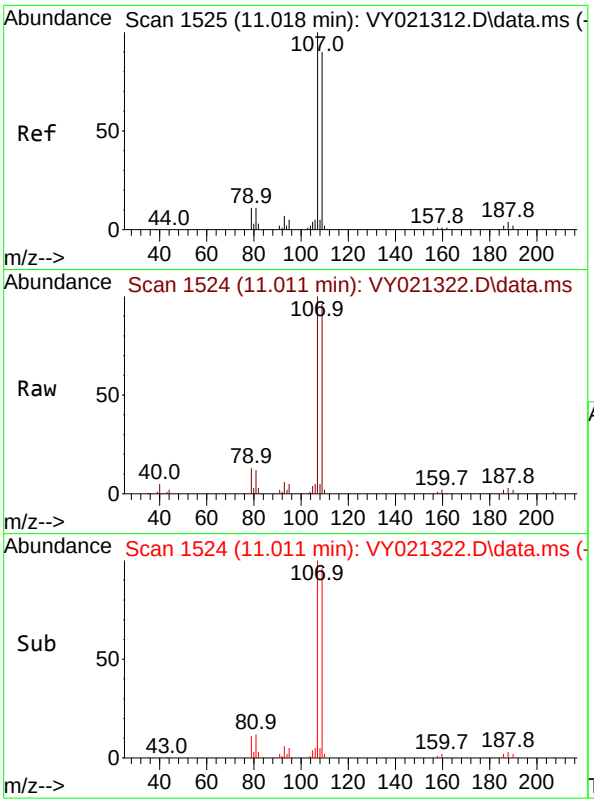


#60
Dibromochloromethane
Concen: 19.318 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:129 Resp: 38212

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.8	116.4



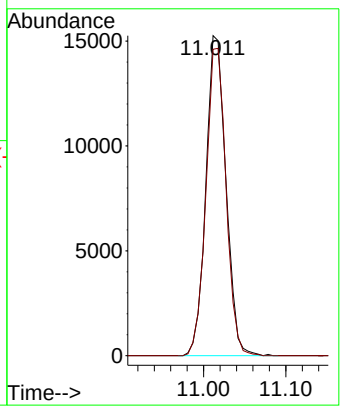


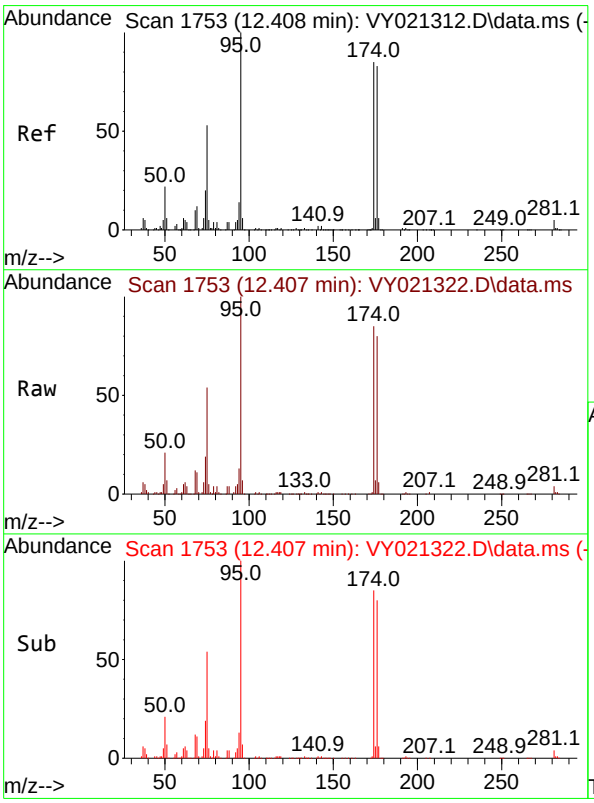
#61
1,2-Dibromoethane
Concen: 18.799 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:107 Resp: 25849

Ion	Ratio	Lower	Upper
107	100		
109	96.2	73.8	110.8

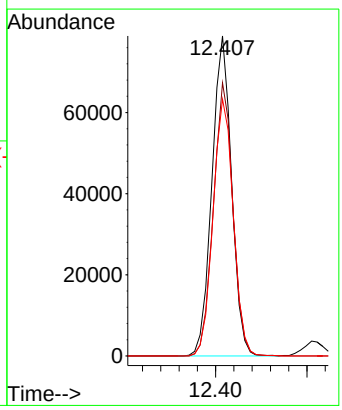


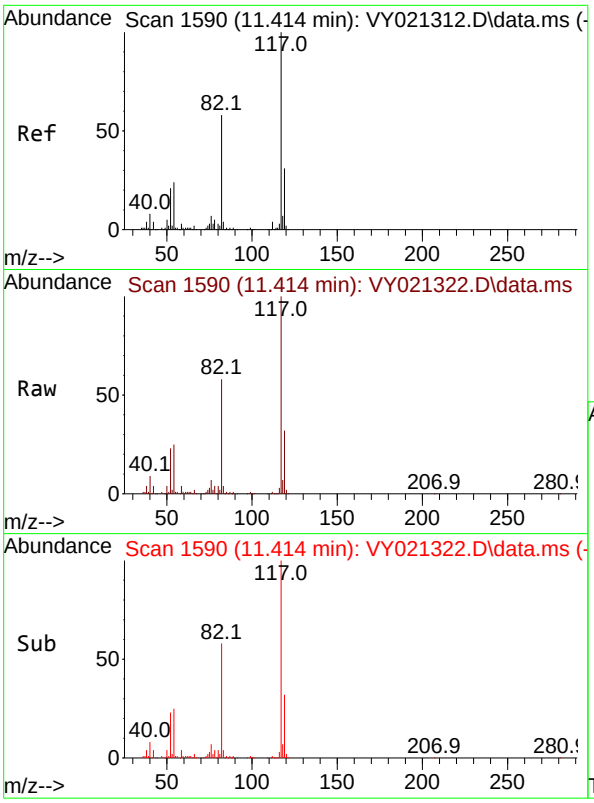


#62
4-Bromofluorobenzene
Concen: 47.291 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 95 Resp: 117404

Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	168.0
176	82.9	0.0	162.6



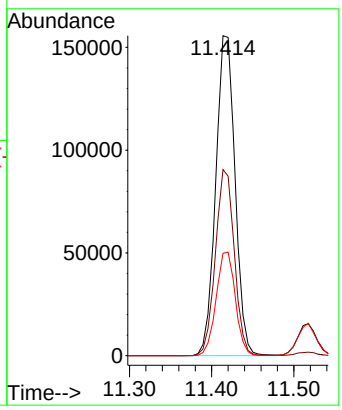


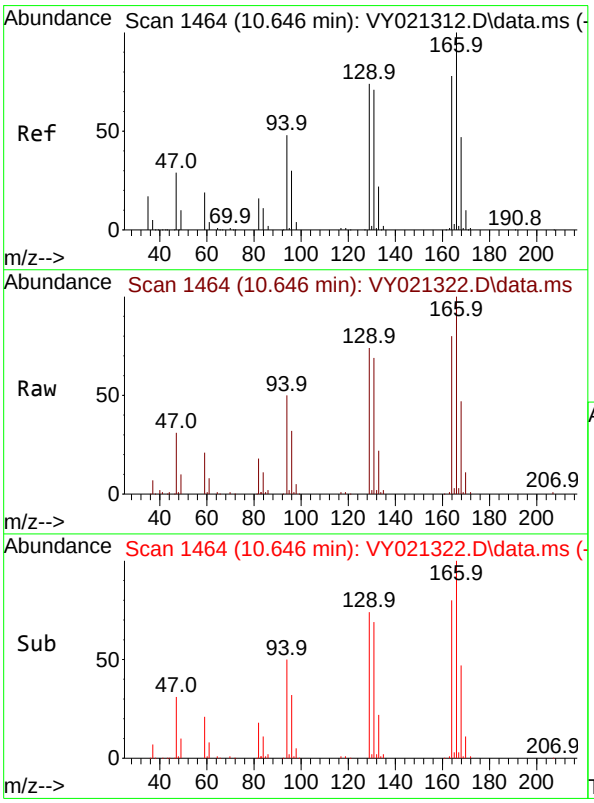
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:117 Resp: 254891

Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.2	69.4
119	32.0	24.9	37.3

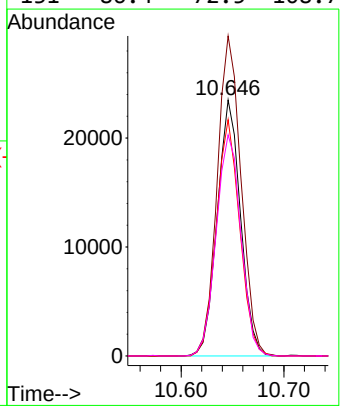


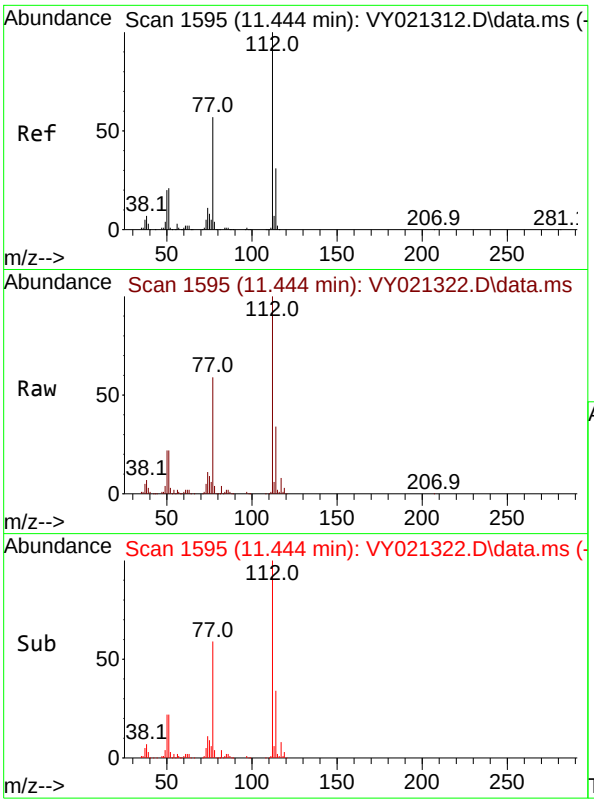


#64
Tetrachloroethene
Concen: 19.197 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:164 Resp: 36984

Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.9	152.9
129	92.3	75.5	113.3
131	86.4	72.5	108.7



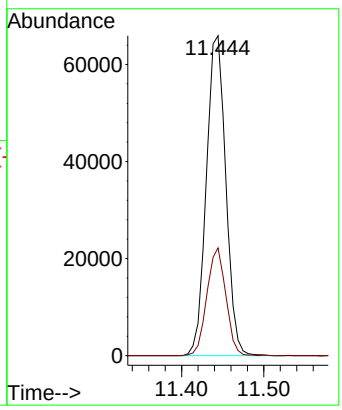


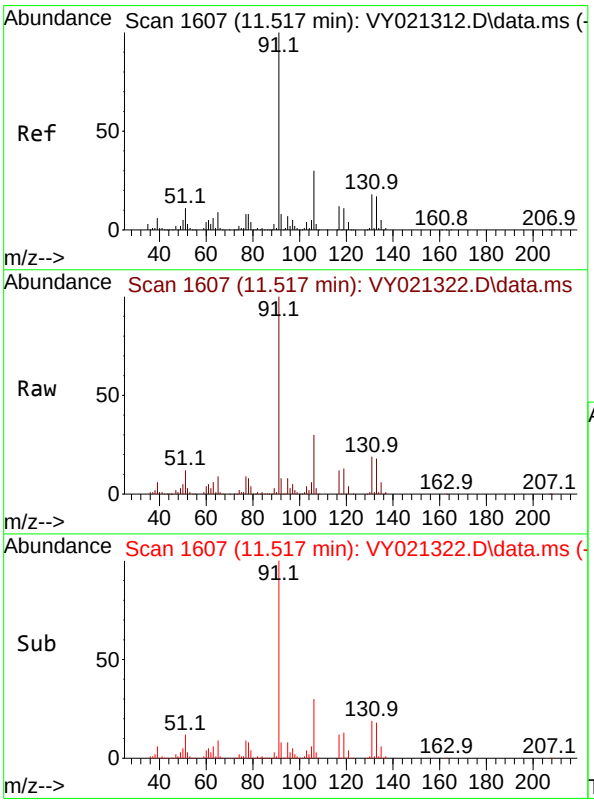
#65
Chlorobenzene
Concen: 18.977 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:112 Resp: 108578

Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.0	37.6

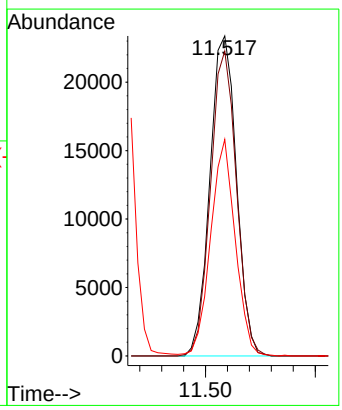


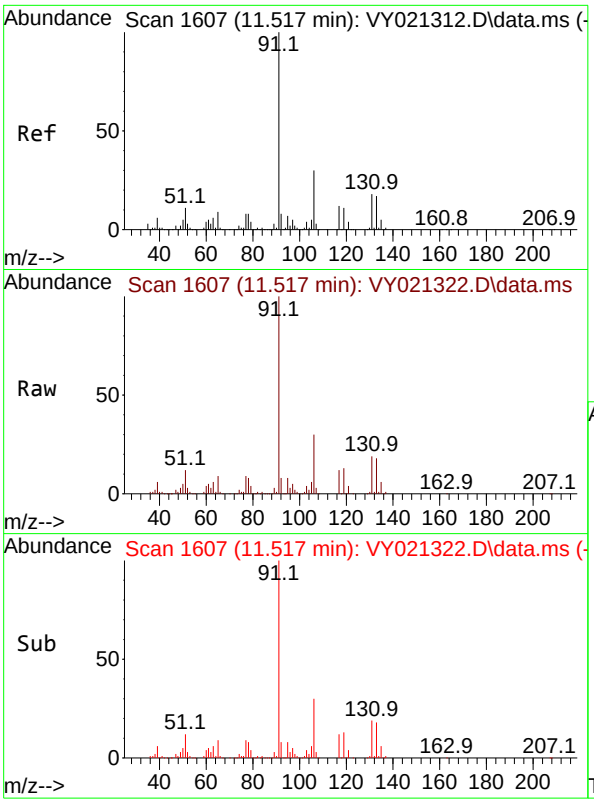


#66
1,1,1,2-Tetrachloroethane
Concen: 19.617 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:131 Resp: 39302

Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.9	143.6
119	63.0	31.7	95.1



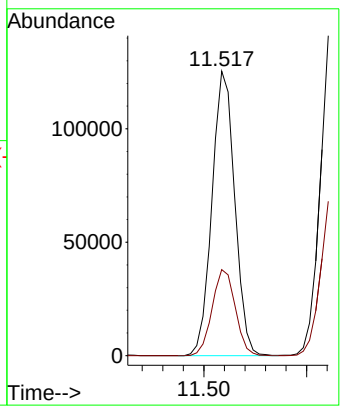


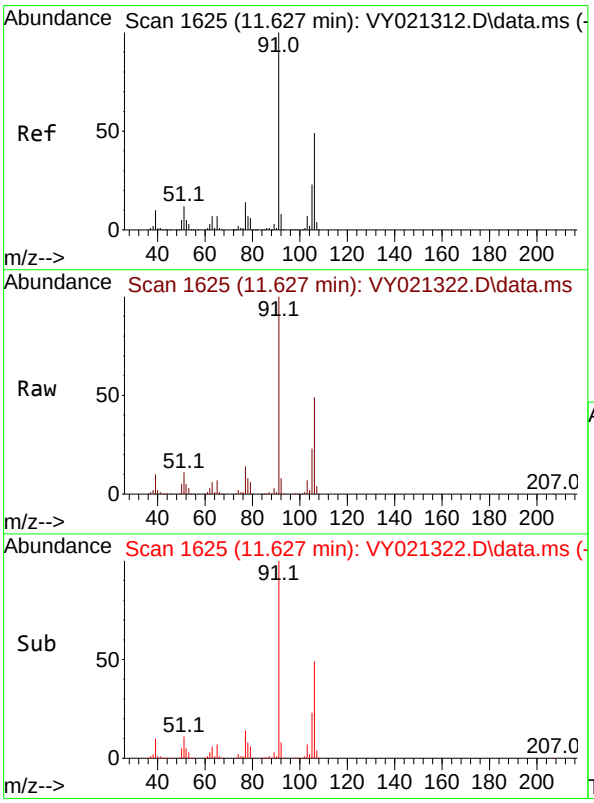
#67
Ethyl Benzene
Concen: 19.003 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 91 Resp: 192592

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.4	36.6

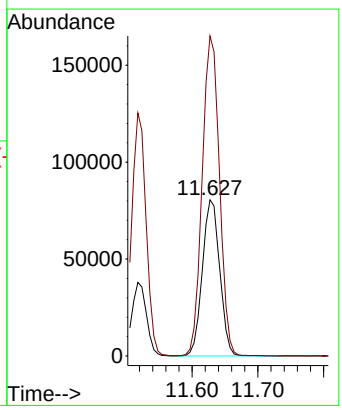


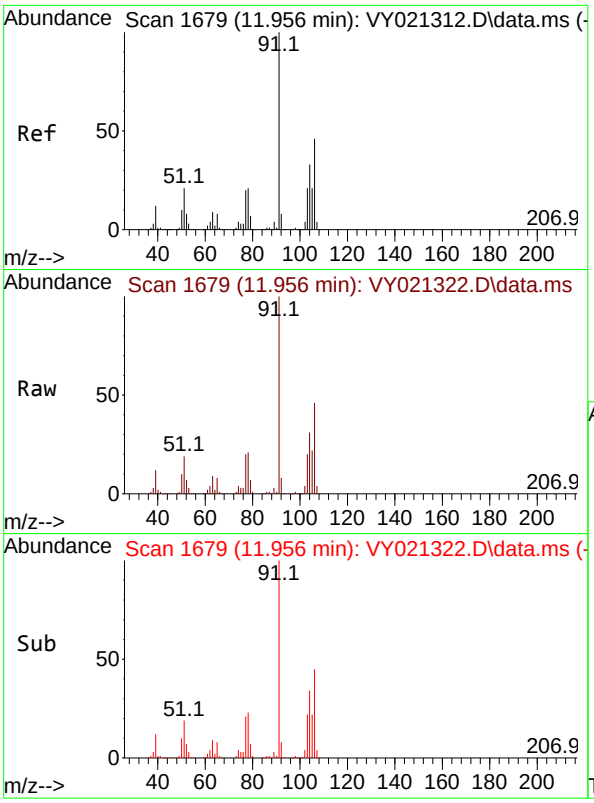


#68
m/p-Xylenes
Concen: 38.806 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:106 Resp: 147929

Ion	Ratio	Lower	Upper
106	100		
91	204.3	163.9	245.9



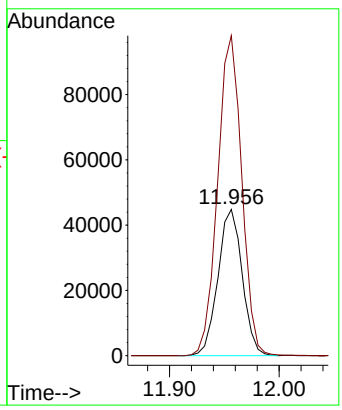


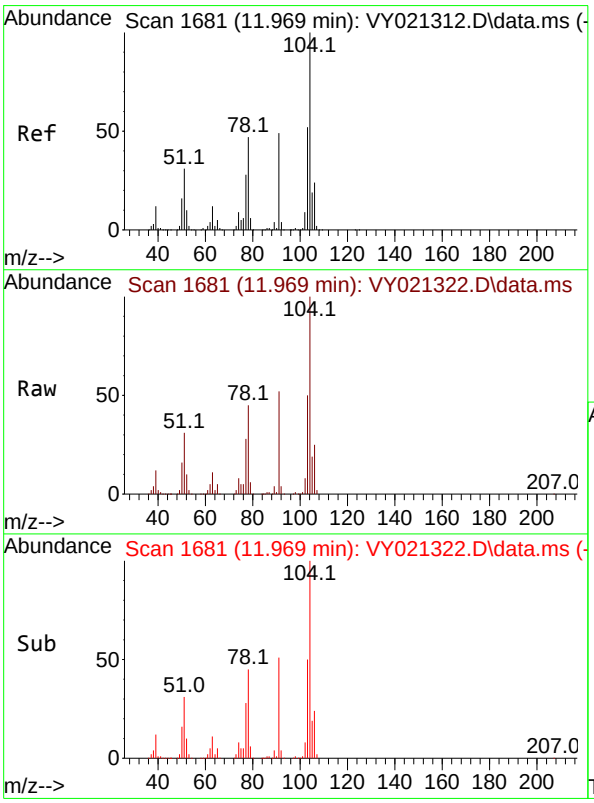
#69
o-Xylene
Concen: 19.342 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:106 Resp: 69071

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.1	324.2

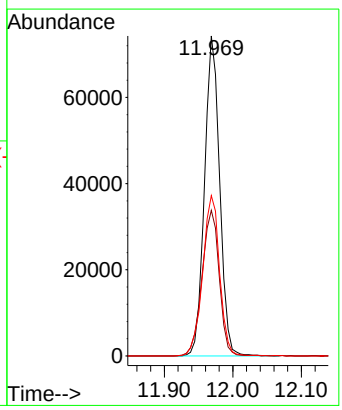


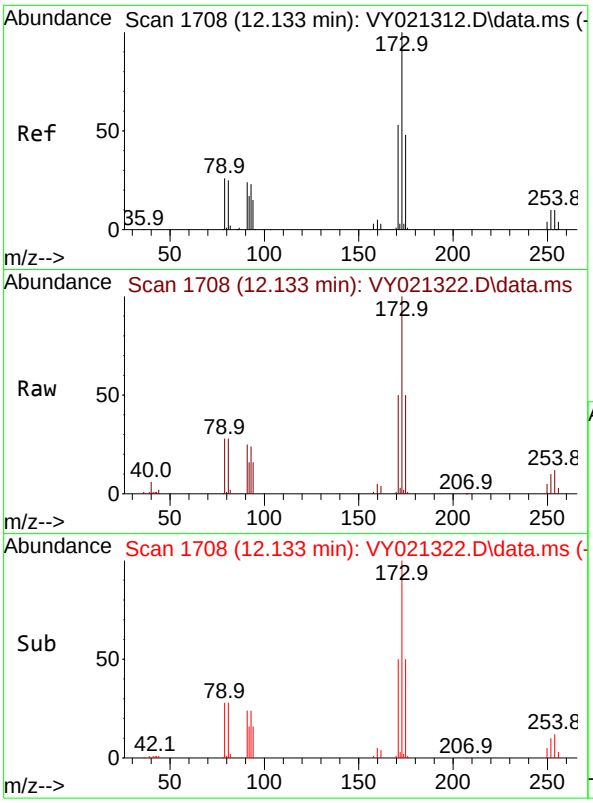


#70
Styrene
Concen: 19.262 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:104 Resp: 114447

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.3	61.9
103	55.8	43.9	65.9



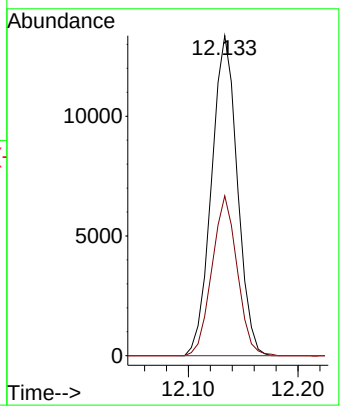


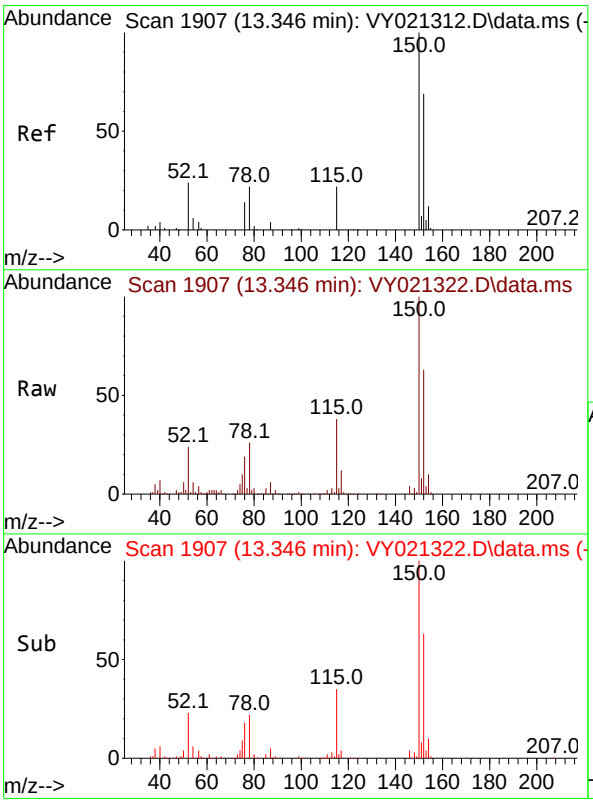
#71
Bromoform
Concen: 19.083 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:173 Resp: 21872

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.0	0.1	0.1#

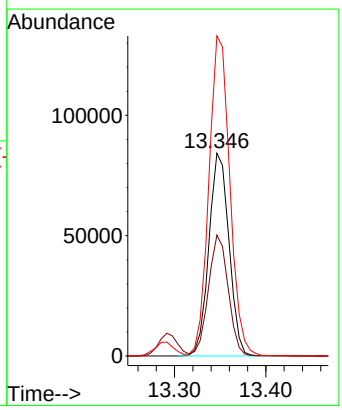


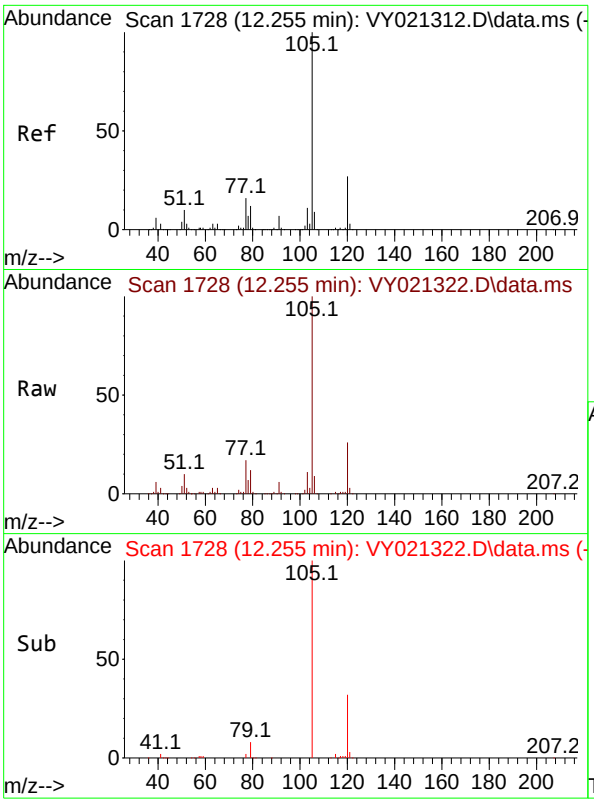


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:152 Resp: 128725

Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	164.6	0.0	347.4



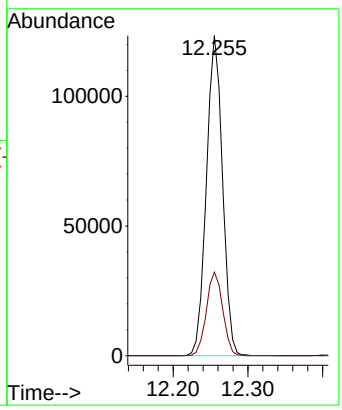


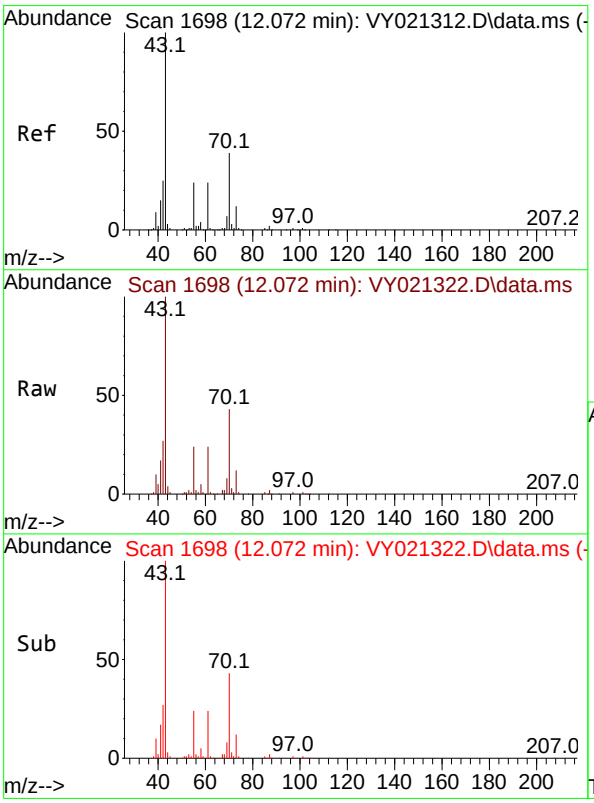
#73
Isopropylbenzene
Concen: 19.058 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:105 Resp: 184435

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.8

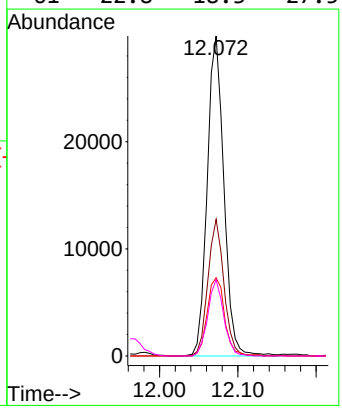


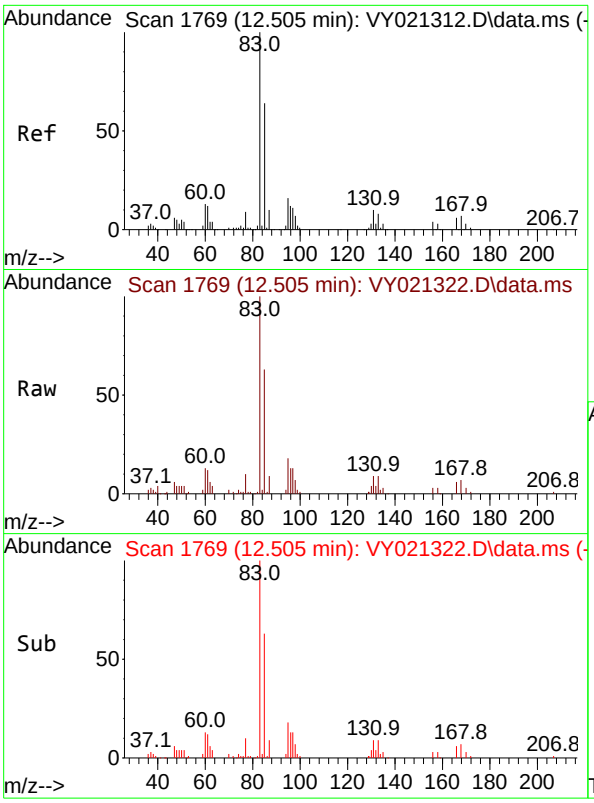


#74
N-amyl acetate
Concen: 17.930 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 43 Resp: 44104

Ion	Ratio	Lower	Upper
43	100		
70	41.1	32.2	48.2
55	25.5	19.6	29.4
61	22.8	18.3	27.5



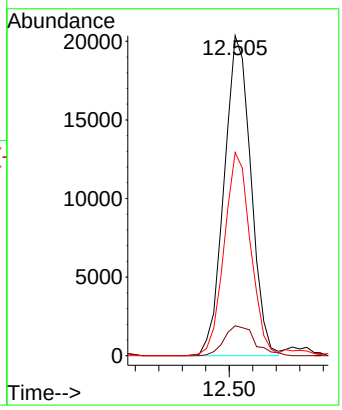


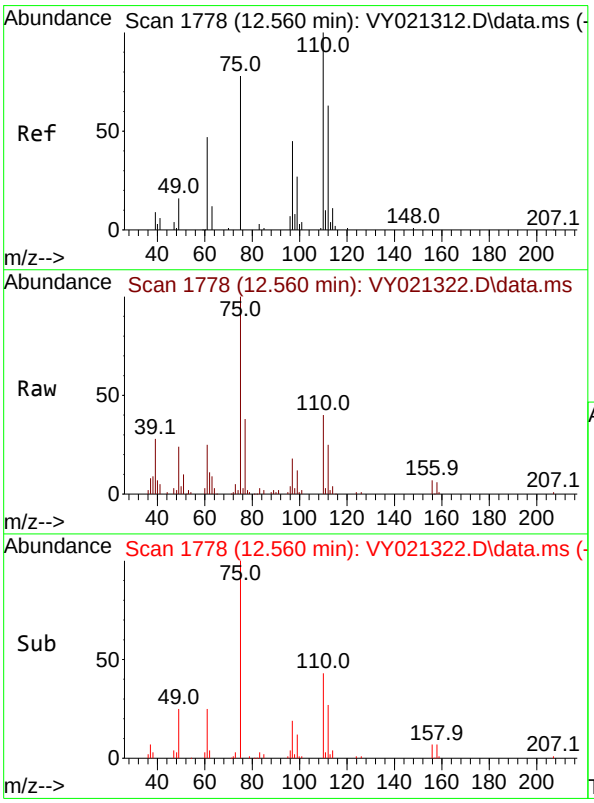
#75
1,1,2,2-Tetrachloroethane
Concen: 18.835 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 83 Resp: 32169

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	62.6	32.0	96.0

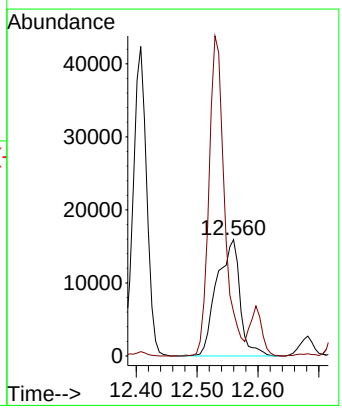


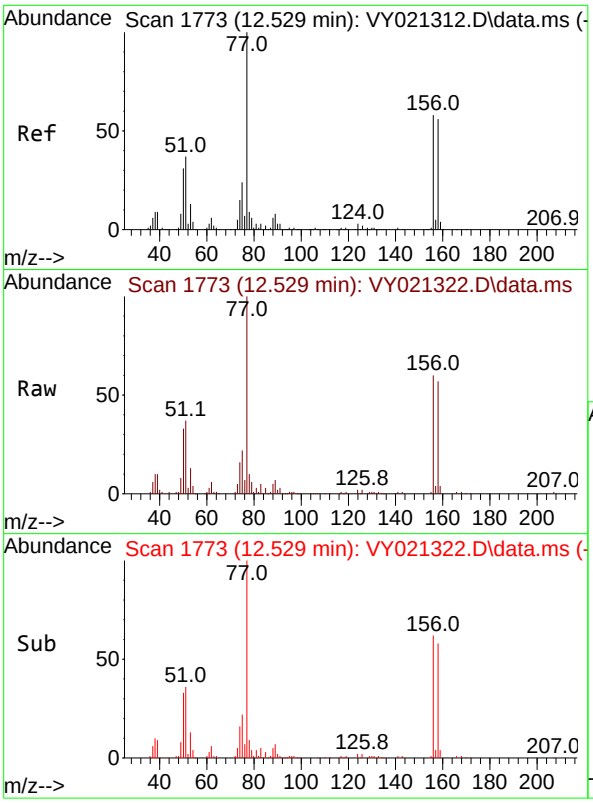


#76
1,2,3-Trichloropropane
Concen: 32.661 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 42083

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



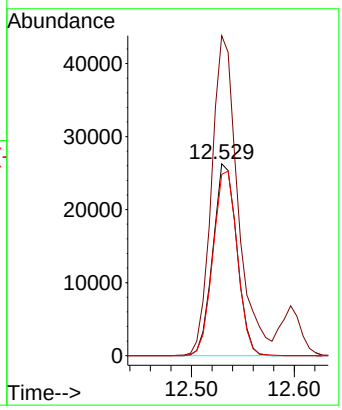


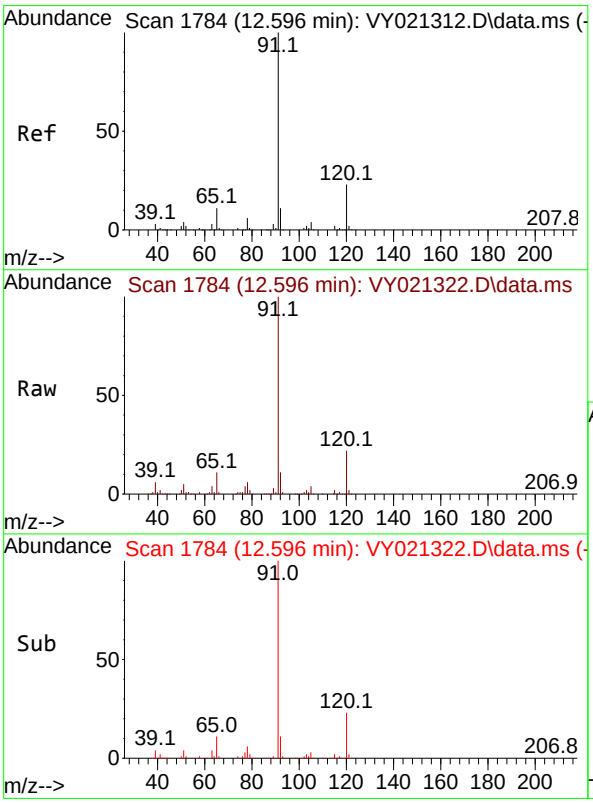
#77
Bromobenzene
Concen: 18.925 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:156 Resp: 42599

Ion	Ratio	Lower	Upper
156	100		
77	183.3	94.0	282.1
158	97.3	48.7	146.1

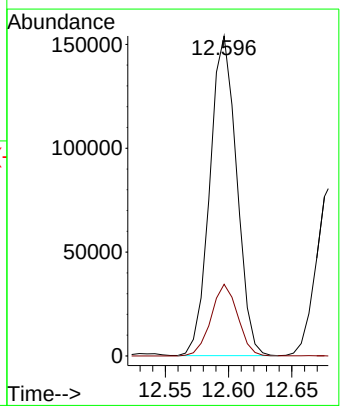


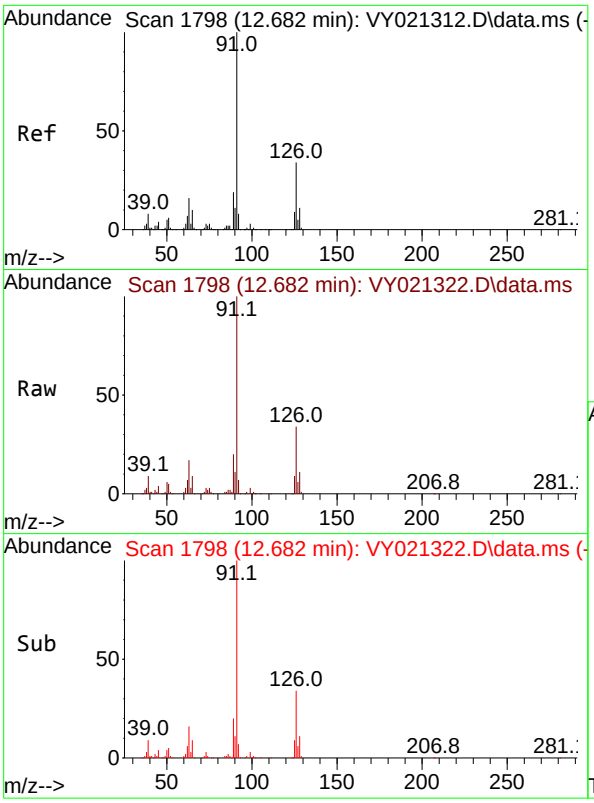


#78
n-propylbenzene
Concen: 19.317 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 226845

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5



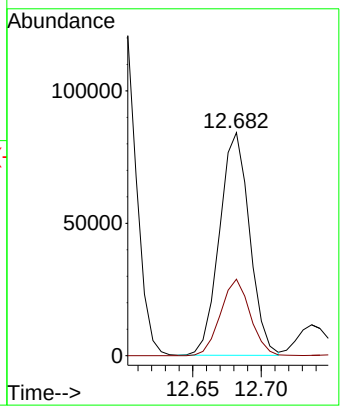


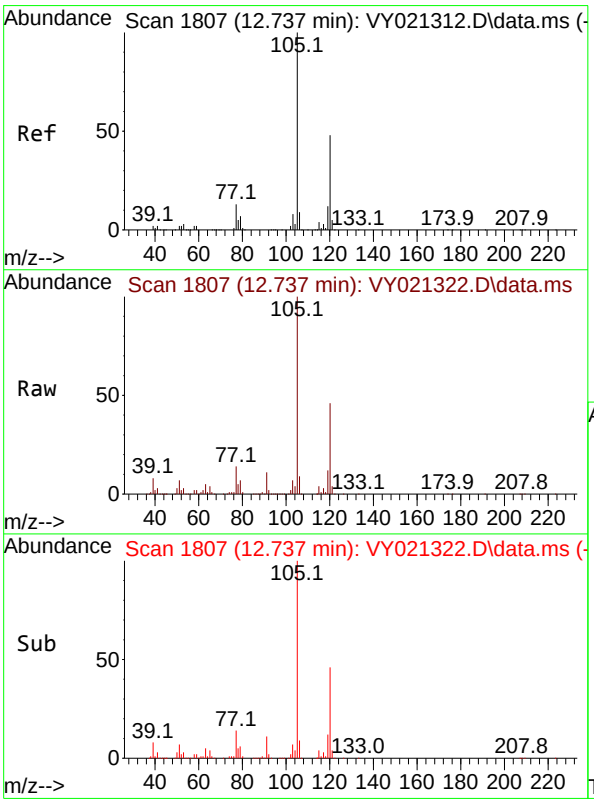
#79
2-Chlorotoluene
Concen: 19.070 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 91 Resp: 128526

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6

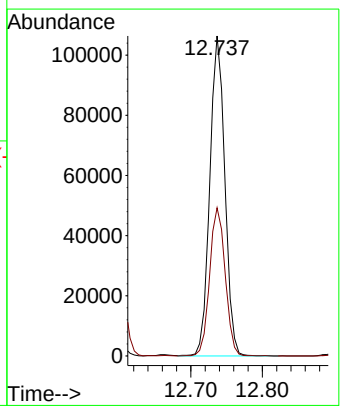


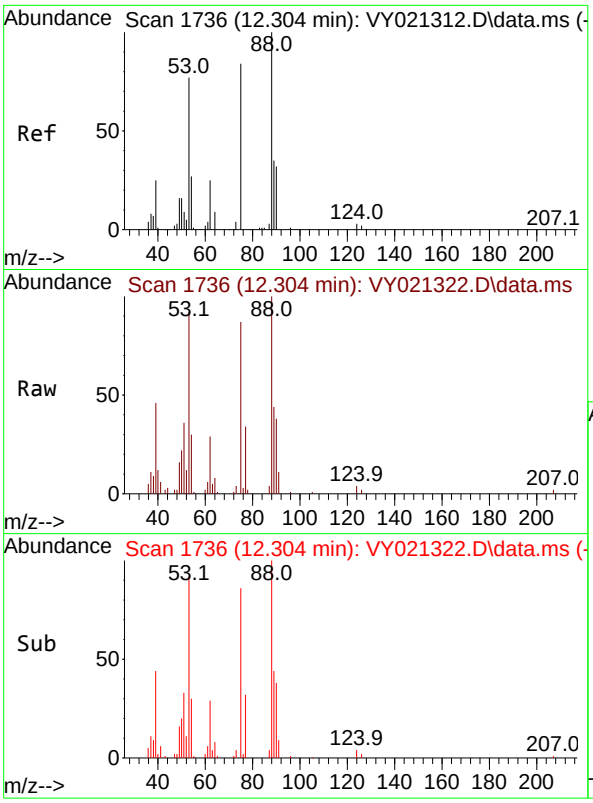


#80
1,3,5-Trimethylbenzene
Concen: 19.582 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 155422

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	73.0



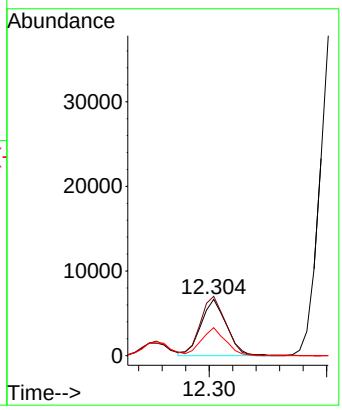


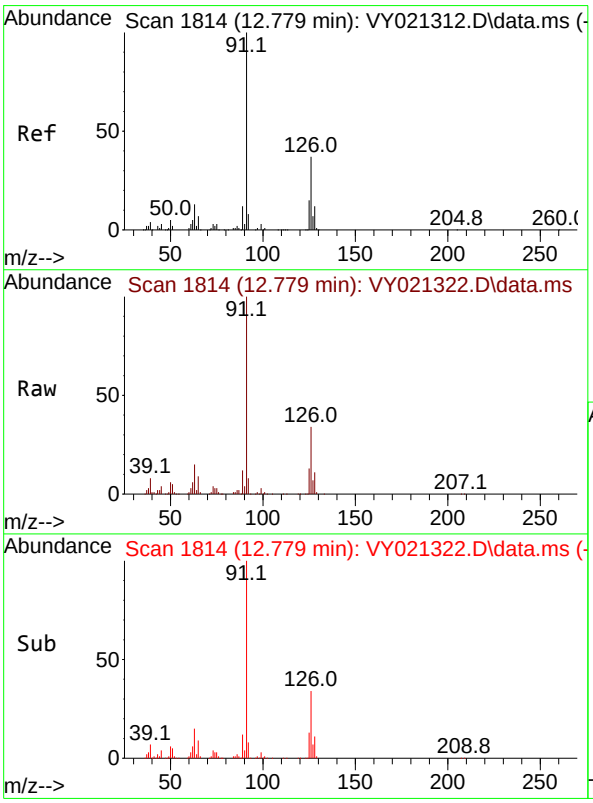
#81
trans-1,4-Dichloro-2-butene
Concen: 17.364 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 75 Resp: 10066

Ion	Ratio	Lower	Upper
75	100		
53	104.9	79.1	118.7
89	46.4	35.6	53.4

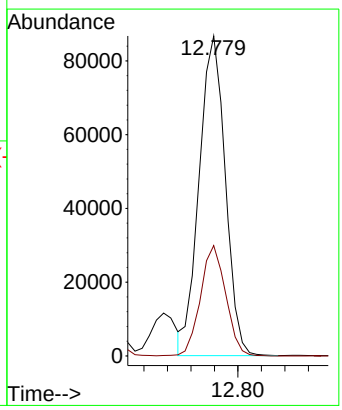


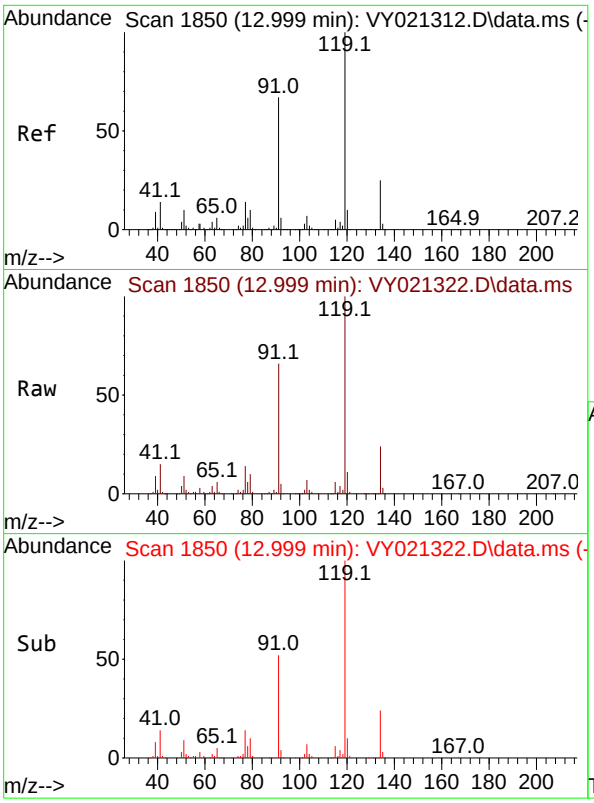


#82
4-Chlorotoluene
Concen: 19.171 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 91 Resp: 133936

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4



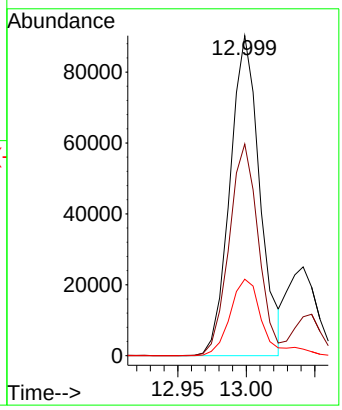


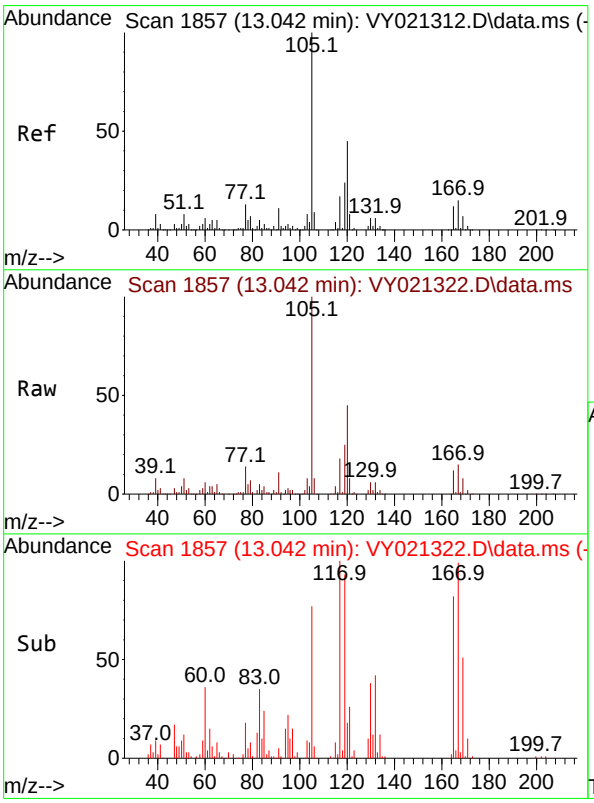
#83
tert-Butylbenzene
Concen: 19.079 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:119 Resp: 136788

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.7	98.1
134	26.3	13.3	39.9

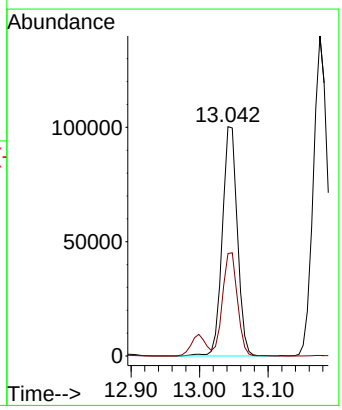


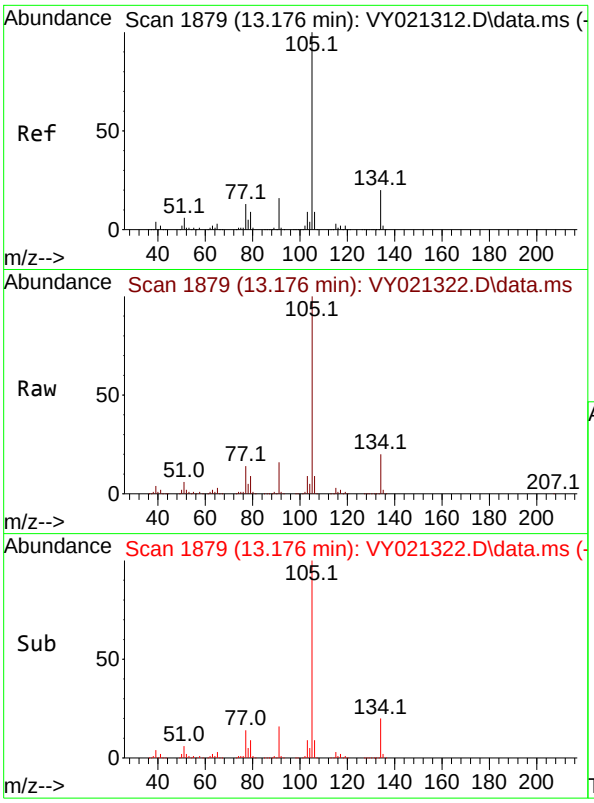


#84
1,2,4-Trimethylbenzene
Concen: 19.310 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:105 Resp: 152431

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3



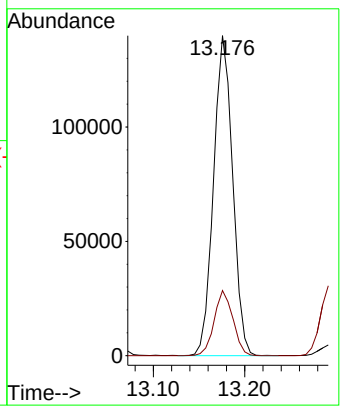


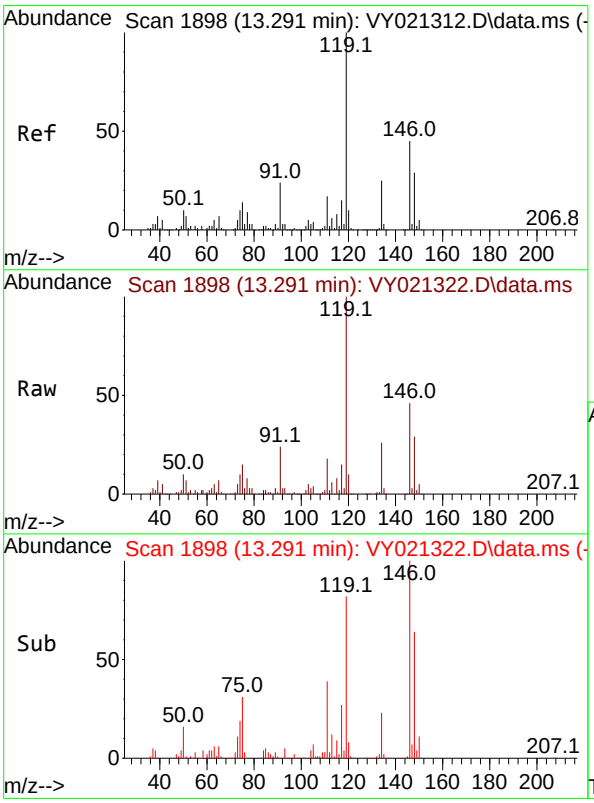
#85
sec-Butylbenzene
Concen: 19.486 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:105 Resp: 204066

Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	30.0

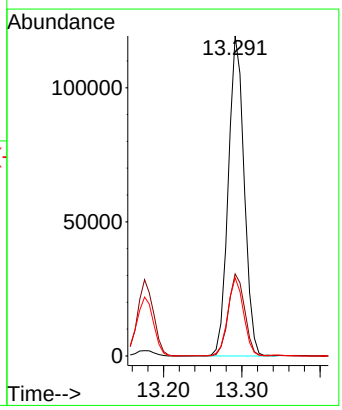


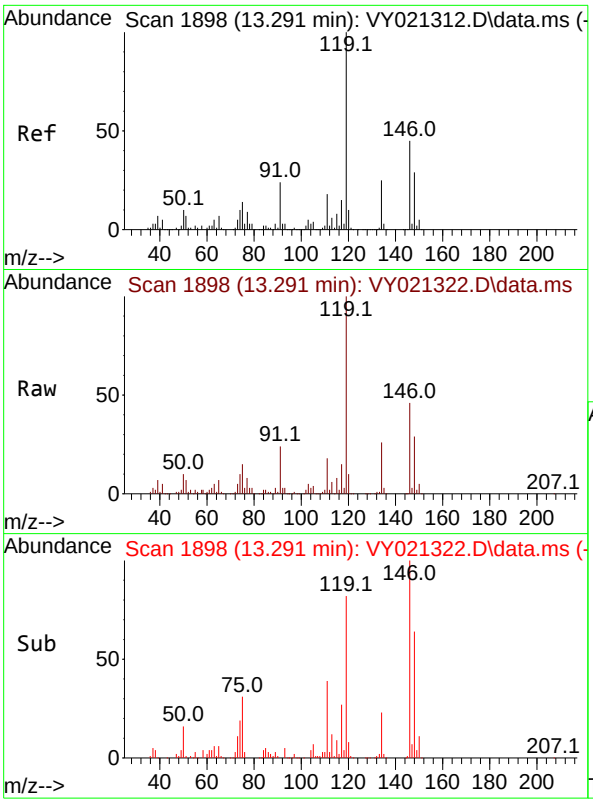


#86
p-Isopropyltoluene
Concen: 19.195 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:119 Resp: 167856

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	24.2	12.0	36.1



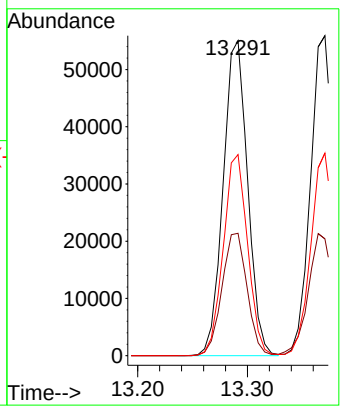


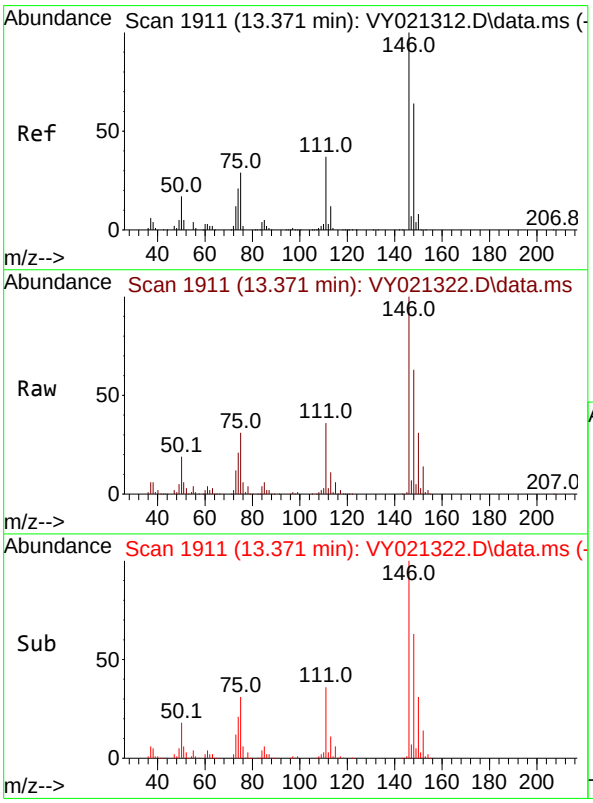
#87
1,3-Dichlorobenzene
Concen: 19.148 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:146 Resp: 85257

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.4	31.9	95.9

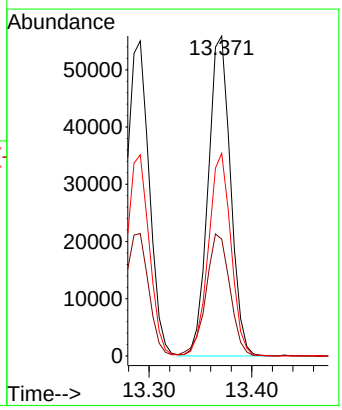


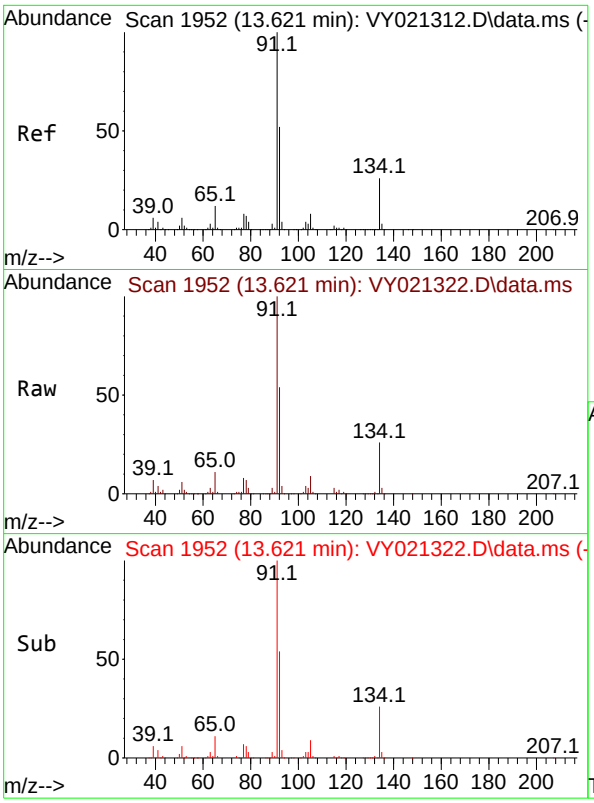


#88
1,4-Dichlorobenzene
Concen: 19.226 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:146 Resp: 84570

Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.5	58.5
148	63.6	32.0	96.2



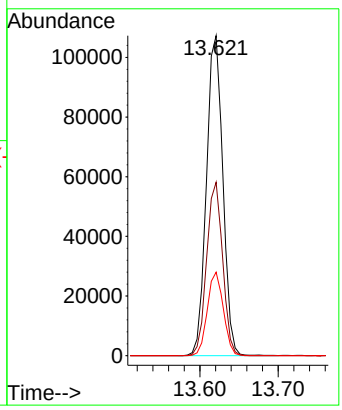


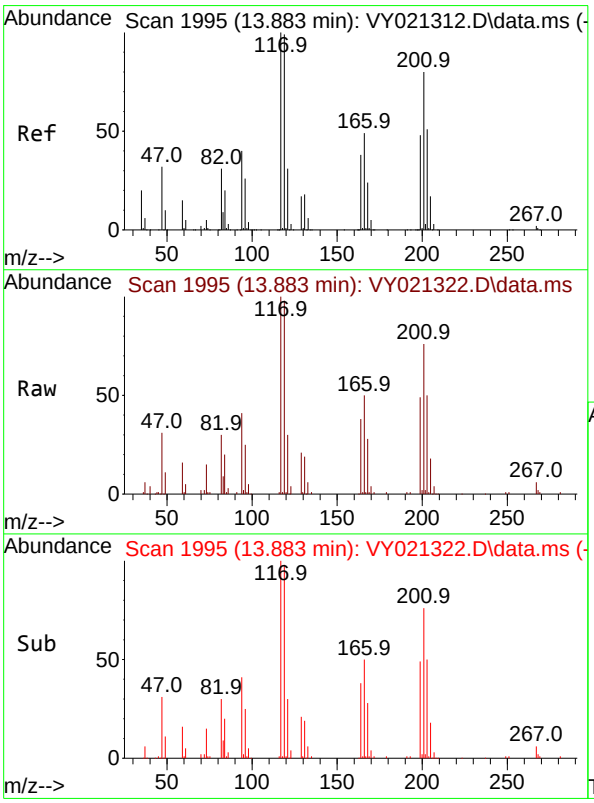
#89
n-Butylbenzene
Concen: 18.911 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion: 91 Resp: 155625

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.5	12.7	38.0

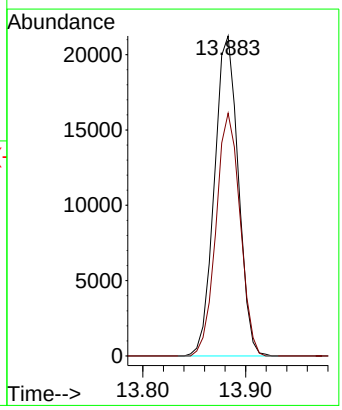


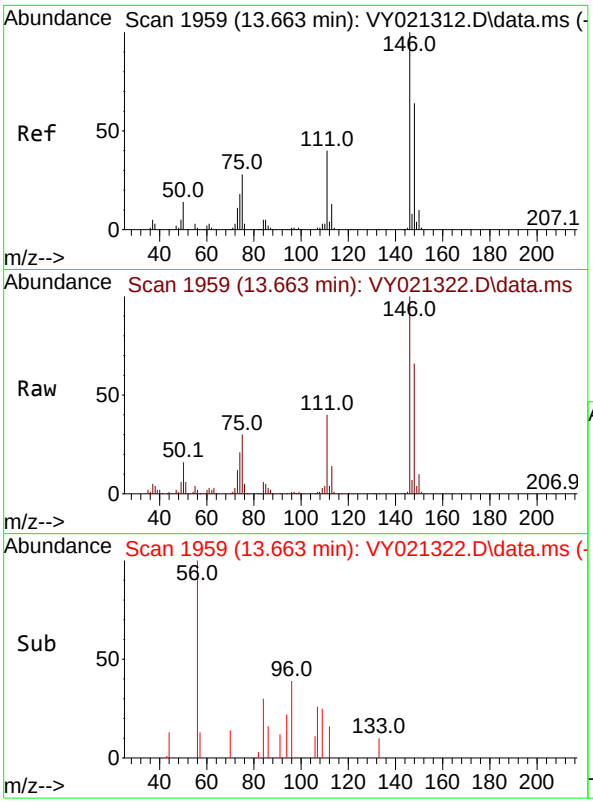


#90
Hexachloroethane
Concen: 18.736 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:117 Resp: 34224

Ion	Ratio	Lower	Upper
117	100		
201	76.4	38.4	115.2



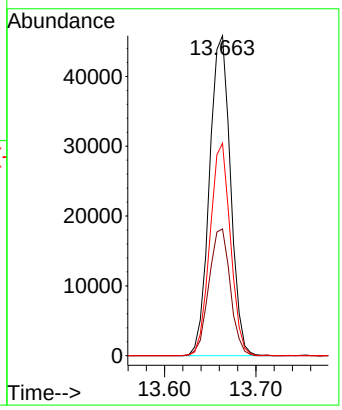


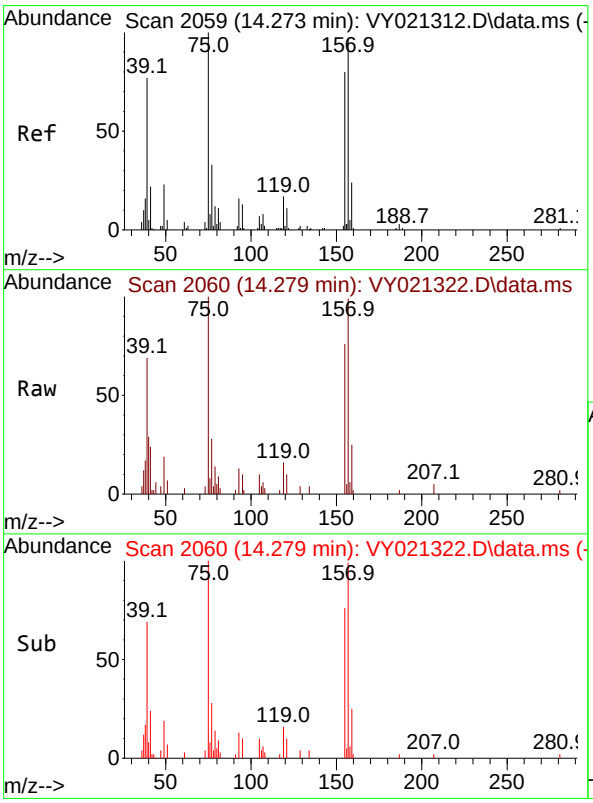
#91
1,2-Dichlorobenzene
Concen: 18.778 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:146 Resp: 73256

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	64.9	31.7	95.1

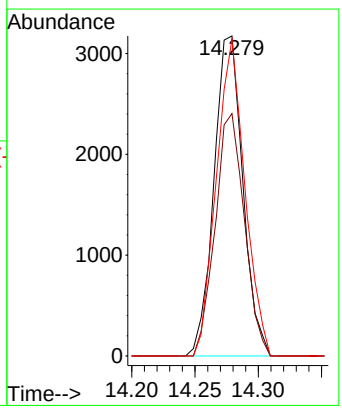


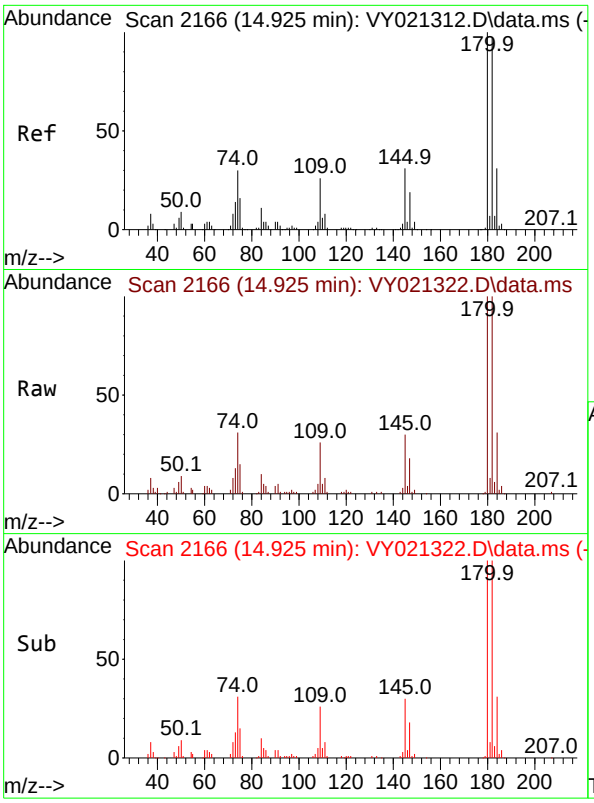


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.599 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion: 75 Resp: 5025

Ion	Ratio	Lower	Upper
75	100		
155	76.7	41.9	125.6
157	97.9	52.5	157.6



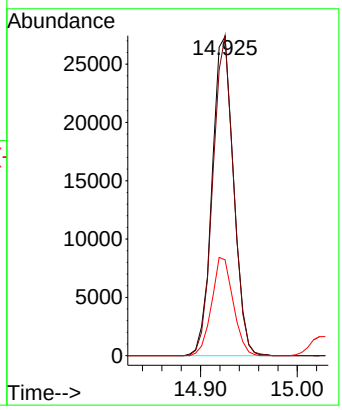


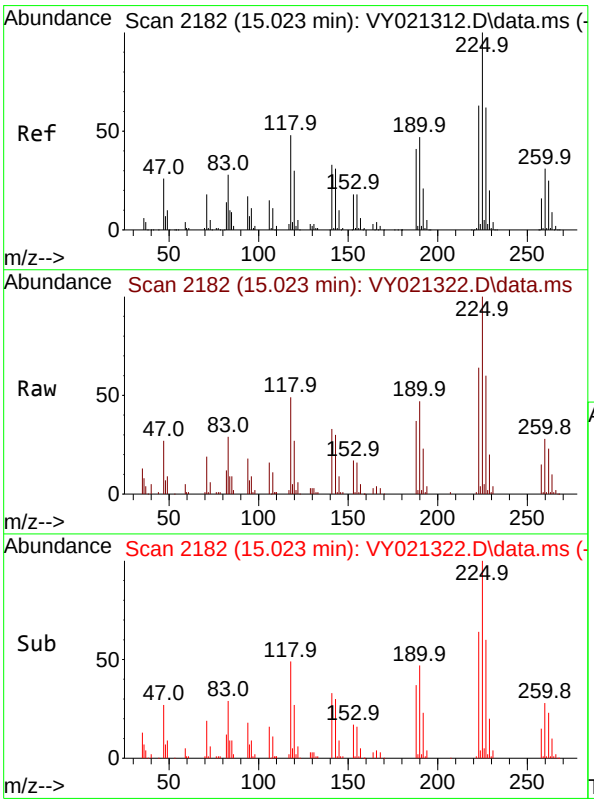
#93
1,2,4-Trichlorobenzene
Concen: 17.702 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:180 Resp: 42148

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	30.9	15.6	46.8

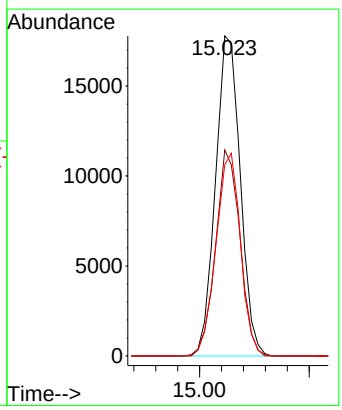


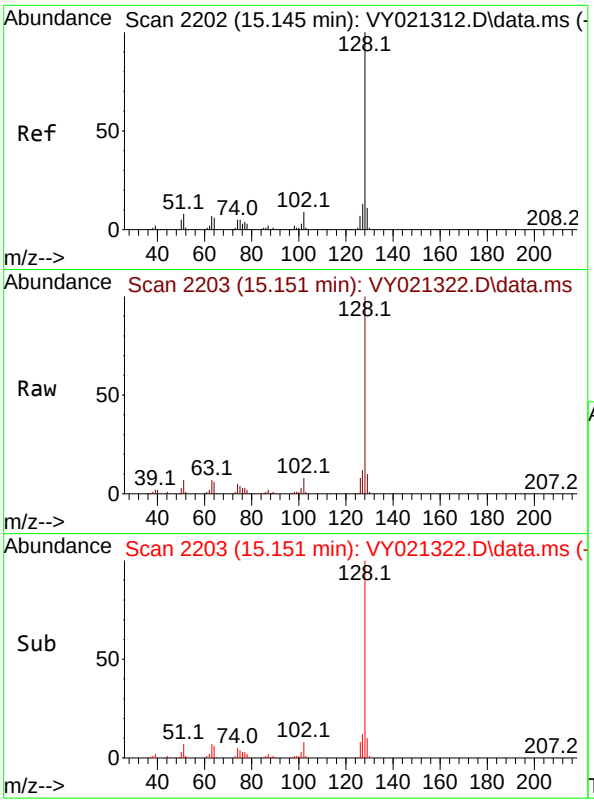


#94
Hexachlorobutadiene
Concen: 18.650 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:225 Resp: 27956

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.4
227	62.6	31.9	95.7



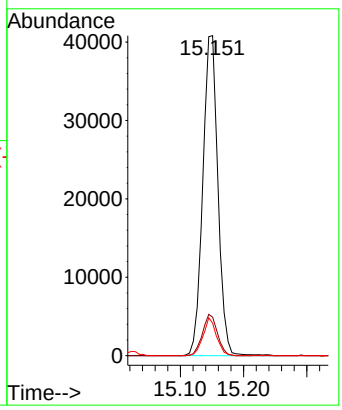


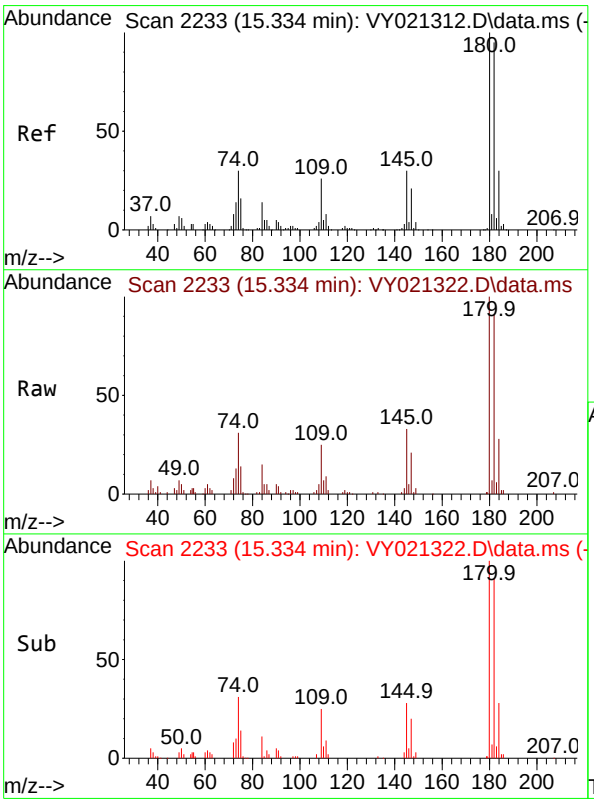
#95
Naphthalene
Concen: 17.269 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBS01

Tgt Ion:128 Resp: 68106

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.5	8.5	12.7

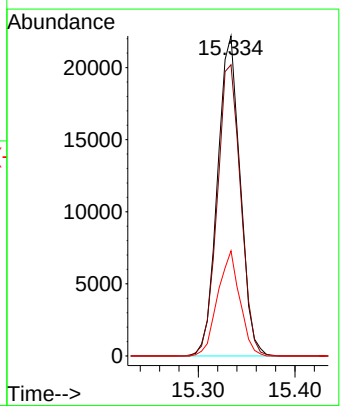




#96
1,2,3-Trichlorobenzene
Concen: 17.931 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021322.D
Acq: 26 Feb 2025 11:22

Tgt Ion:180 Resp: 36072

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.3	144.9
145	32.1	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	186200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	292071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	258744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	129829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102341	48.451	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.900%			
35) Dibromofluoromethane	7.634	113	94057	49.120	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.240%			
50) Toluene-d8	10.103	98	369458	49.924	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.840%			
62) 4-Bromofluorobenzene	12.408	95	125203	50.271	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	33929	19.219	ug/l	98
3) Chloromethane	2.068	50	44643	19.581	ug/l	94
4) Vinyl Chloride	2.202	62	43431	19.408	ug/l	95
5) Bromomethane	2.586	94	28875	19.417	ug/l	91
6) Chloroethane	2.732	64	27157	19.569	ug/l	98
7) Trichlorofluoromethane	3.056	101	64725	19.152	ug/l	98
8) Diethyl Ether	3.452	74	19301	19.028	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	39047	19.956	ug/l	99
10) Methyl Iodide	4.000	142	38731	18.815	ug/l	99
11) Tert butyl alcohol	4.848	59	15317	94.274	ug/l	97
12) 1,1-Dichloroethene	3.787	96	35945	19.186	ug/l	98
13) Acrolein	3.647	56	22337	179.408	ug/l	96
14) Allyl chloride	4.385	41	64619	19.454	ug/l	99
15) Acrylonitrile	5.049	53	42848	95.540	ug/l	99
16) Acetone	3.866	43	36994	91.302	ug/l	96
17) Carbon Disulfide	4.104	76	119697	19.240	ug/l	99
18) Methyl Acetate	4.378	43	19000	19.188	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	96512	19.498	ug/l	98
20) Methylene Chloride	4.616	84	41428	18.908	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	39986	19.387	ug/l	97
22) Diisopropyl ether	6.018	45	136570	19.868	ug/l	97
23) Vinyl Acetate	5.957	43	400683	97.548	ug/l	98
24) 1,1-Dichloroethane	5.915	63	75455	19.476	ug/l	100
25) 2-Butanone	6.896	43	57737	94.416	ug/l	100
26) 2,2-Dichloropropane	6.884	77	67846	19.300	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	46880	19.905	ug/l	98
28) Bromochloromethane	7.238	49	34082	19.882	ug/l	99
29) Tetrahydrofuran	7.262	42	39639	99.167	ug/l	97
30) Chloroform	7.421	83	76696	19.537	ug/l	98
31) Cyclohexane	7.701	56	71145	19.104	ug/l #	94
32) 1,1,1-Trichloroethane	7.610	97	68700	19.226	ug/l	99
36) 1,1-Dichloropropene	7.835	75	57651	20.043	ug/l	99
37) Ethyl Acetate	6.982	43	28136	19.665	ug/l	100
38) Carbon Tetrachloride	7.817	117	63336	19.587	ug/l	99
39) Methylcyclohexane	9.109	83	71099	19.543	ug/l	99
40) Benzene	8.079	78	169384	19.922	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	16363	20.455	ug/l	#	73
42) 1,2-Dichloroethane	8.158	62	47566	19.718	ug/l		100
43) Isopropyl Acetate	8.195	43	54330	19.618	ug/l		99
44) Trichloroethene	8.865	130	41805	19.638	ug/l		97
45) 1,2-Dichloropropane	9.140	63	40089	19.592	ug/l		99
46) Dibromomethane	9.231	93	21727	19.425	ug/l		100
47) Bromodichloromethane	9.420	83	58116	19.487	ug/l		100
48) Methyl methacrylate	9.219	41	23787	18.368	ug/l		94
49) 1,4-Dioxane	9.225	88	4464	358.943	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	138572	97.751	ug/l		99
52) Toluene	10.170	92	104255	19.738	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	53978	19.755	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	62124	19.260	ug/l		95
55) 1,1,2-Trichloroethane	10.572	97	28227	19.373	ug/l		96
56) Ethyl methacrylate	10.438	69	39319	19.530	ug/l		99
57) 1,3-Dichloropropane	10.713	76	51397	20.102	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	90024	93.158	ug/l		100
59) 2-Hexanone	10.761	43	89865	96.524	ug/l		99
60) Dibromochloromethane	10.914	129	39272	19.790	ug/l		98
61) 1,2-Dibromoethane	11.018	107	26713	19.365	ug/l		96
64) Tetrachloroethene	10.646	164	38493	19.682	ug/l		99
65) Chlorobenzene	11.444	112	113821	19.597	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	39353	19.350	ug/l		98
67) Ethyl Benzene	11.517	91	197780	19.225	ug/l		100
68) m/p-Xylenes	11.627	106	149341	38.593	ug/l		98
69) o-Xylene	11.956	106	70486	19.444	ug/l		99
70) Styrene	11.969	104	119367	19.791	ug/l		99
71) Bromoform	12.133	173	22170	19.055	ug/l	#	100
73) Isopropylbenzene	12.255	105	192163	19.688	ug/l		99
74) N-amyl acetate	12.072	43	47929	19.319	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	33436	19.410	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	42848	32.972	ug/l	#	100
77) Bromobenzene	12.529	156	44137	19.442	ug/l		99
78) n-propylbenzene	12.596	91	231519	19.547	ug/l		100
79) 2-Chlorotoluene	12.682	91	132259	19.457	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	157749	19.706	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	10784	18.445	ug/l		95
82) 4-Chlorotoluene	12.779	91	136654	19.394	ug/l		100
83) tert-Butylbenzene	12.999	119	139478	19.288	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	156482	19.655	ug/l		100
85) sec-Butylbenzene	13.176	105	207160	19.613	ug/l		99
86) p-Isopropyltoluene	13.291	119	172280	19.534	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	88325	19.668	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	87772	19.784	ug/l		99
89) n-Butylbenzene	13.621	91	162070	19.527	ug/l		100
90) Hexachloroethane	13.883	117	35761	19.411	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	76555	19.457	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4895	17.963	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	45740	19.047	ug/l		100
94) Hexachlorobutadiene	15.023	225	28899	19.115	ug/l		98
95) Naphthalene	15.145	128	73713	18.532	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	38421	18.936	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

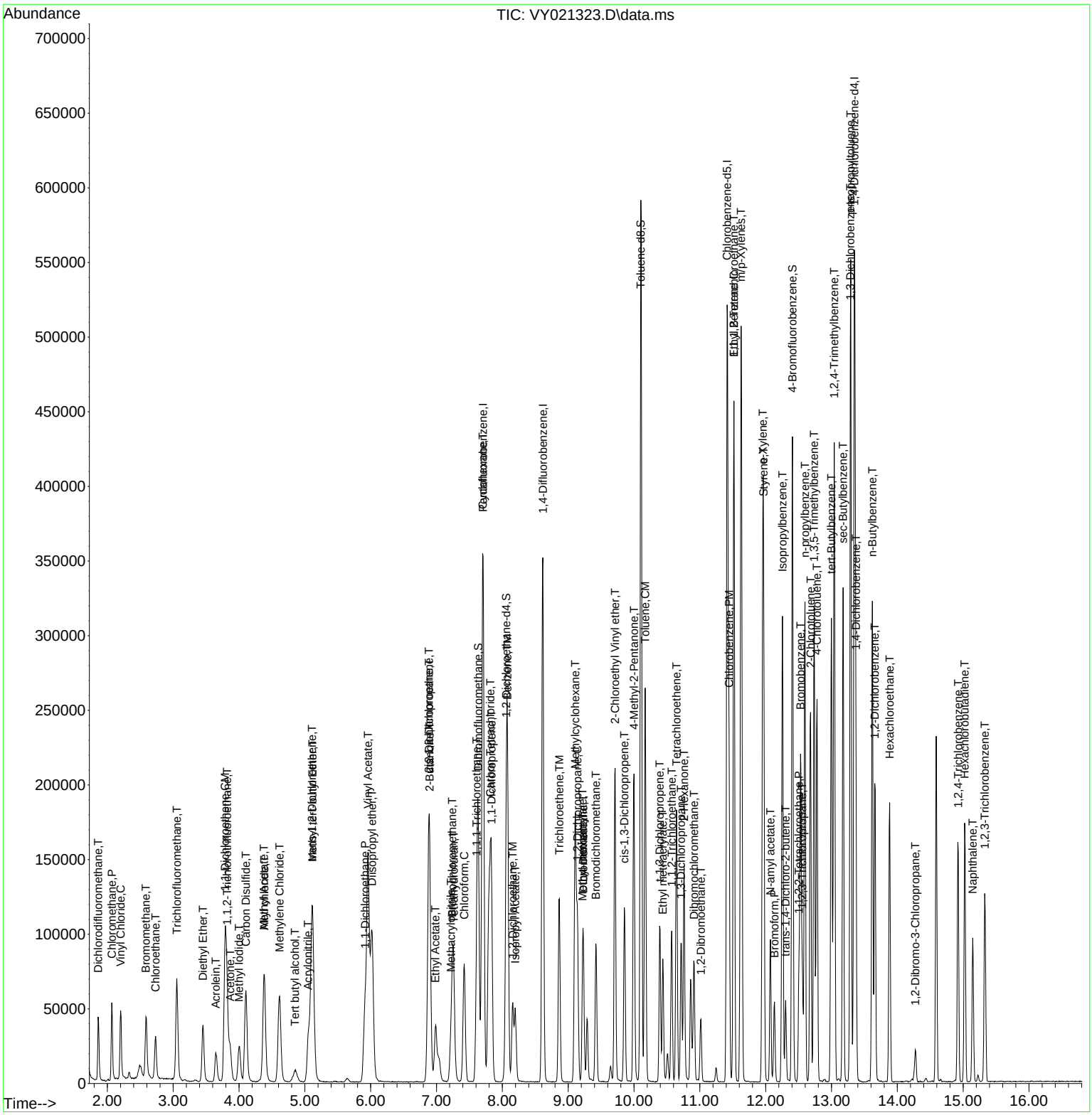
(#) = qualifier out of range (m) = manual integration (+) = signals summed

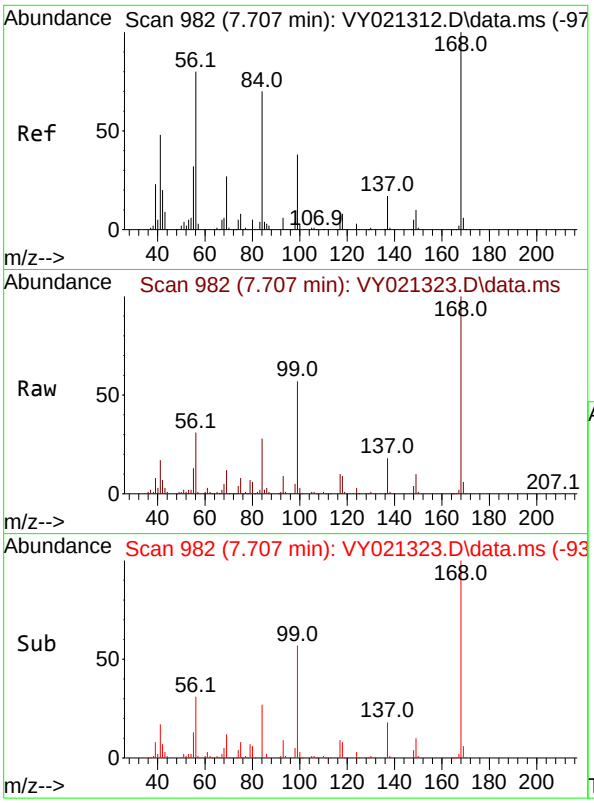
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021323.D
Acq On : 26 Feb 2025 11:44
Operator : SY/MD
Sample : VY0226SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Quant Time: Feb 27 00:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



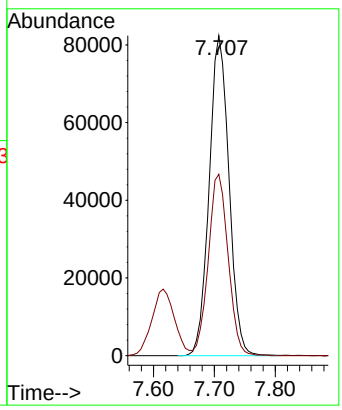


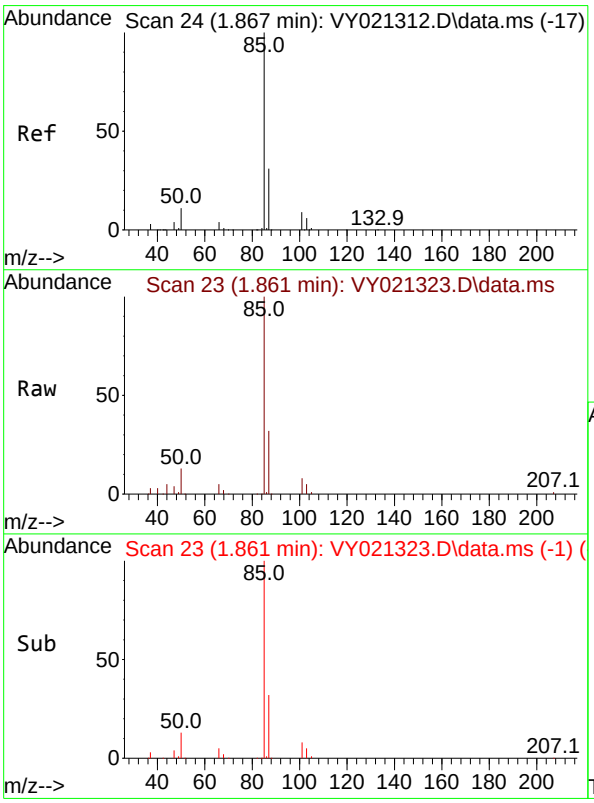
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:168 Resp: 186200

Ion	Ratio	Lower	Upper
168	100		
99	56.7	47.1	70.7

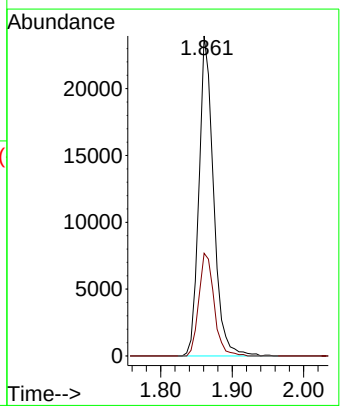


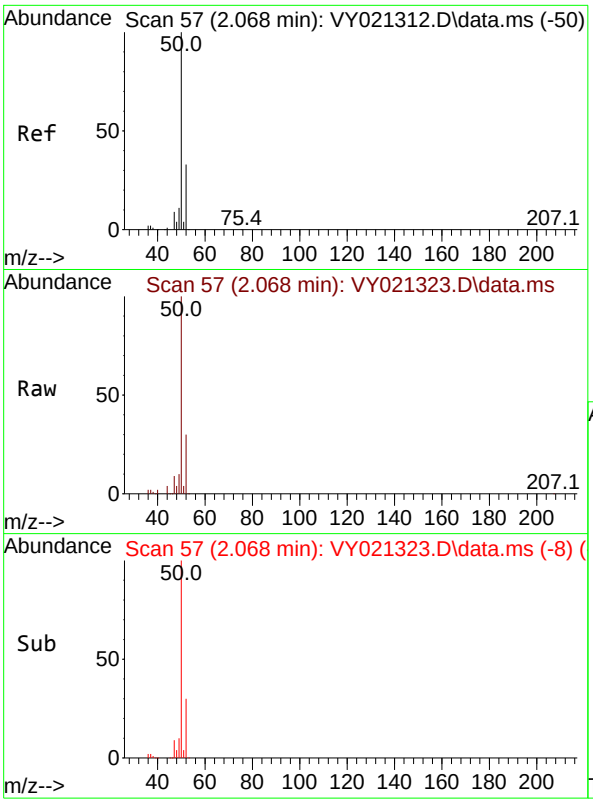


#2
Dichlorodifluoromethane
Concen: 19.219 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 85 Resp: 33929

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.4	46.4



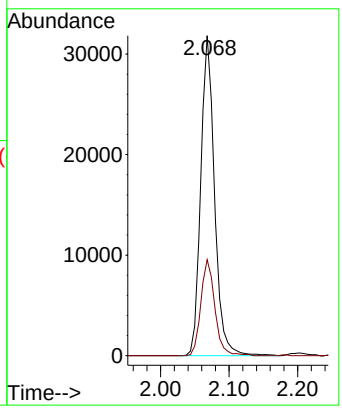


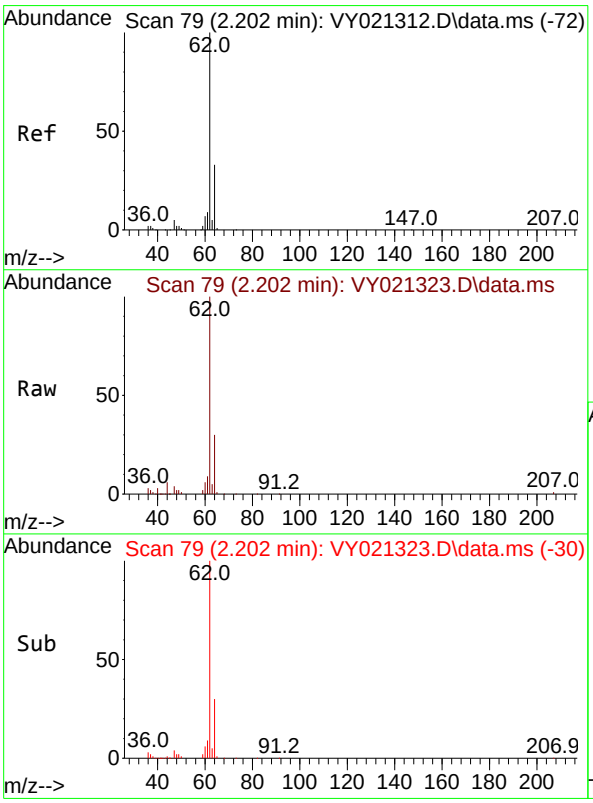
#3
Chloromethane
Concen: 19.581 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 50 Resp: 44643

Ion	Ratio	Lower	Upper
50	100		
52	30.0	26.6	40.0

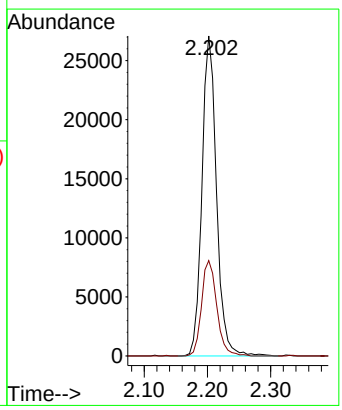


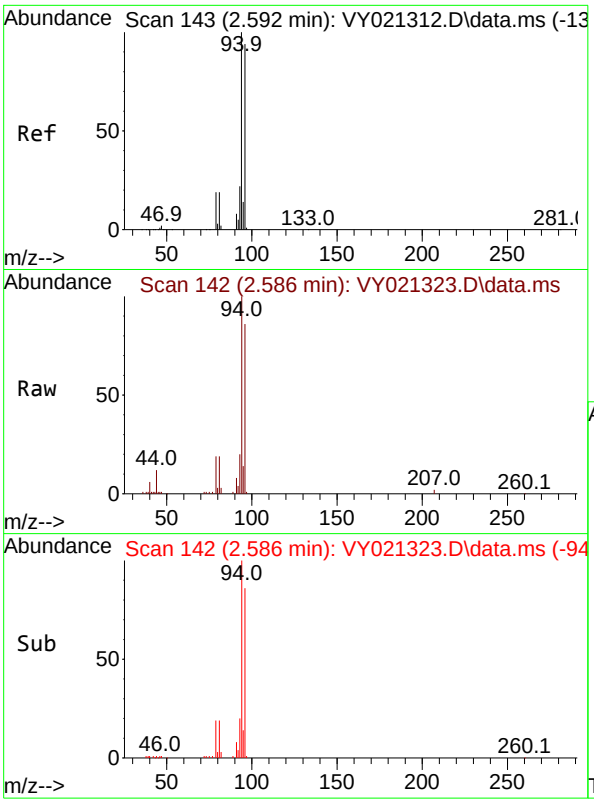


#4
Vinyl Chloride
Concen: 19.408 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 62 Resp: 43431

Ion	Ratio	Lower	Upper
62	100		
64	29.8	26.3	39.5



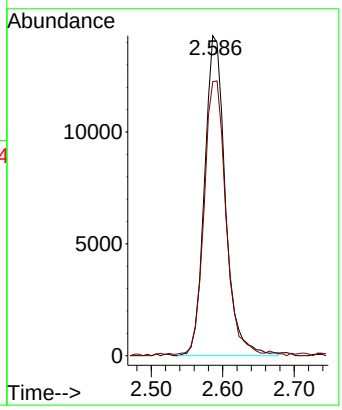


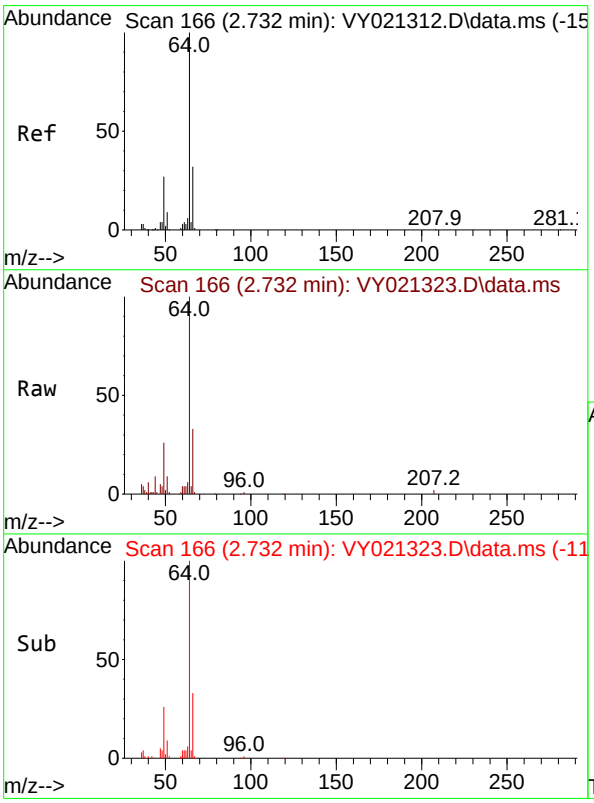
#5
Bromomethane
Concen: 19.417 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 94 Resp: 28875

Ion	Ratio	Lower	Upper
94	100		
96	85.1	75.2	112.8

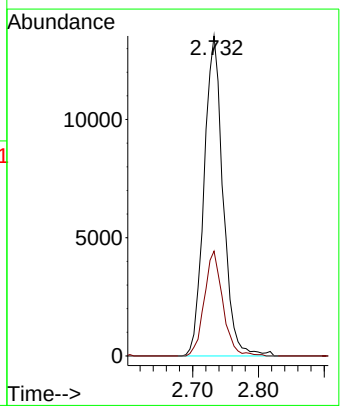


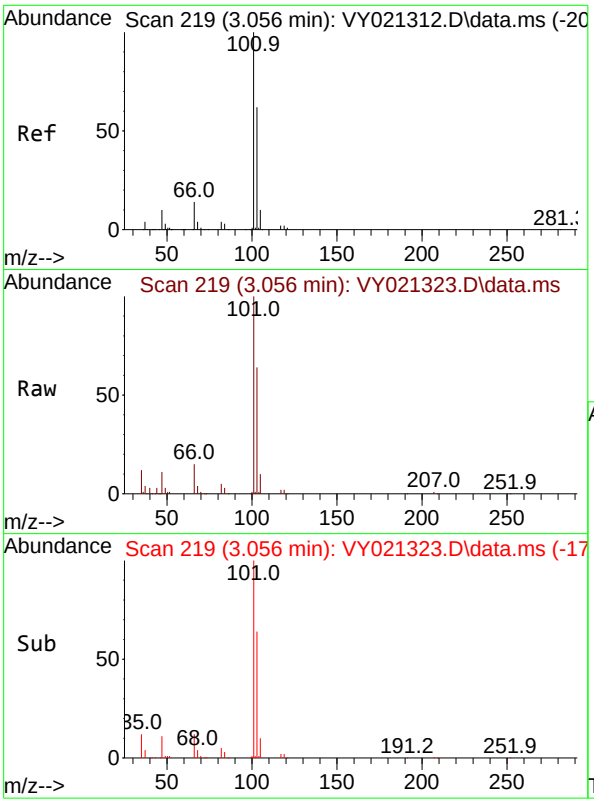


#6
Chloroethane
Concen: 19.569 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 64 Resp: 27157

Ion	Ratio	Lower	Upper
64	100		
66	32.7	25.4	38.0



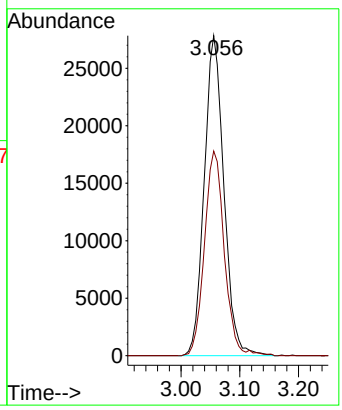


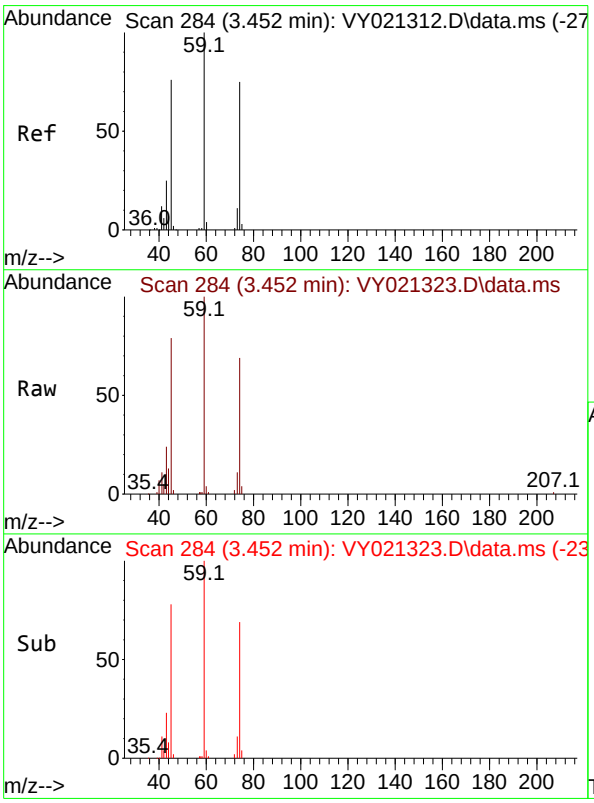
#7
Trichlorofluoromethane
Concen: 19.152 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:101 Resp: 64725

Ion	Ratio	Lower	Upper
101	100		
103	63.9	49.7	74.5

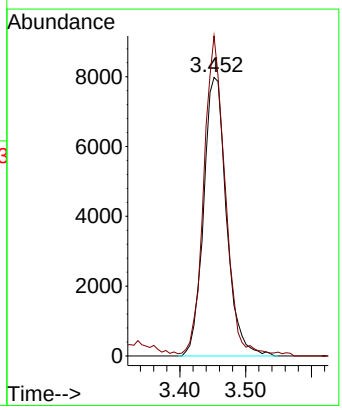


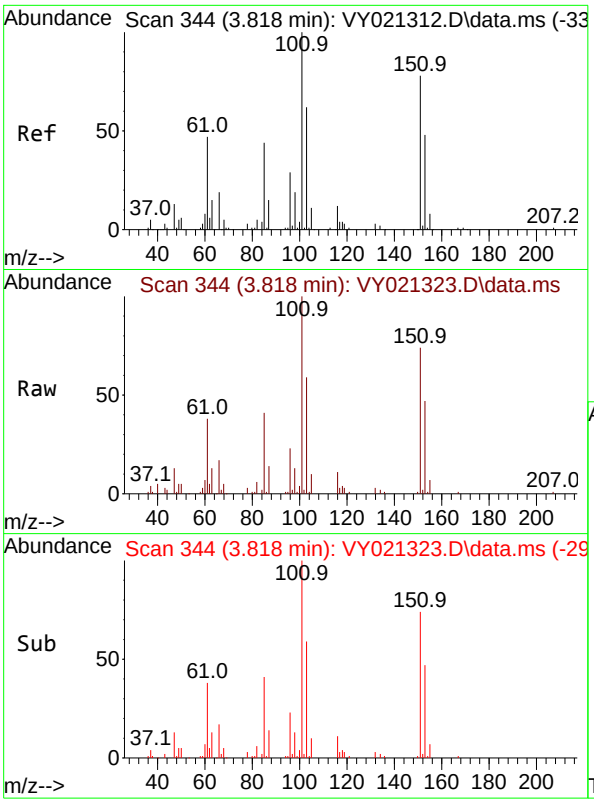


#8
Diethyl Ether
Concen: 19.028 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 74 Resp: 19301

Ion	Ratio	Lower	Upper
74	100		
45	105.2	50.3	150.9



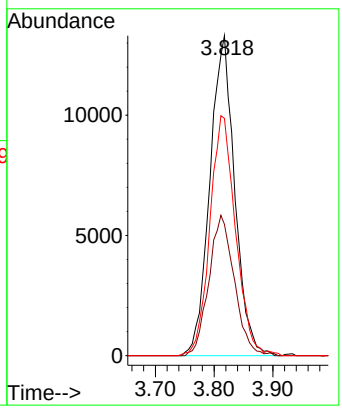


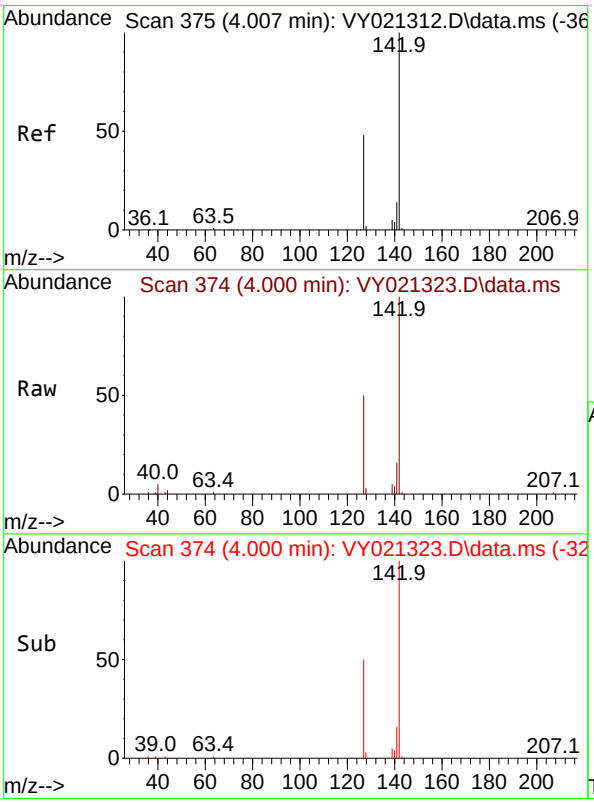
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.956 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:101 Resp: 39047

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.7	55.1
151	77.7	62.6	94.0

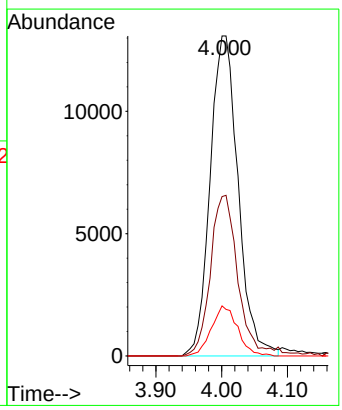


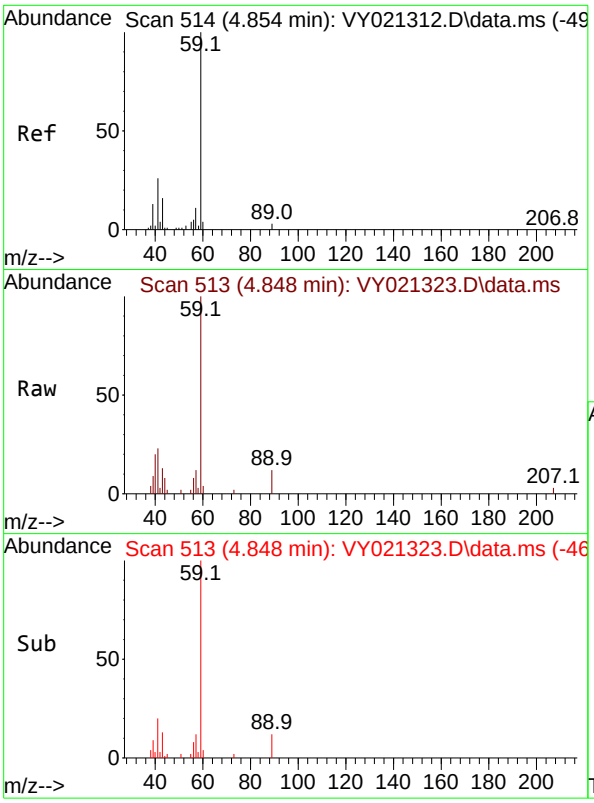


#10
Methyl Iodide
Concen: 18.815 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:142 Resp: 38731

Ion	Ratio	Lower	Upper
142	100		
127	49.9	39.2	58.8
141	14.7	11.4	17.2



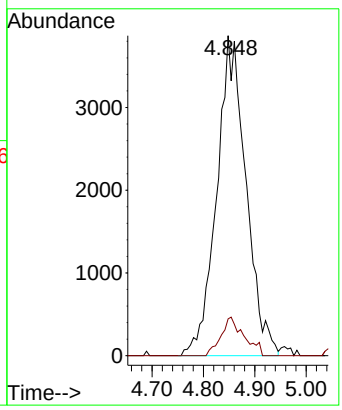


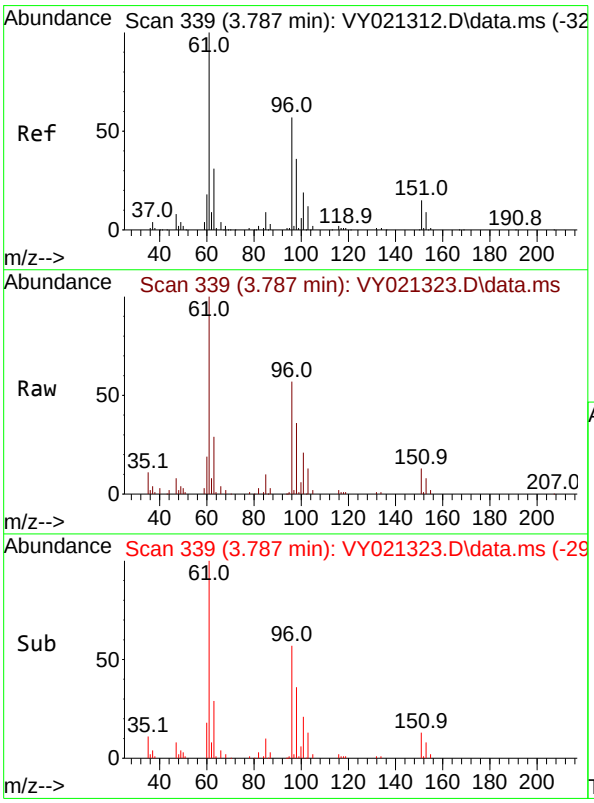
#11
Tert butyl alcohol
Concen: 94.274 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 59 Resp: 15317

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.3	12.5

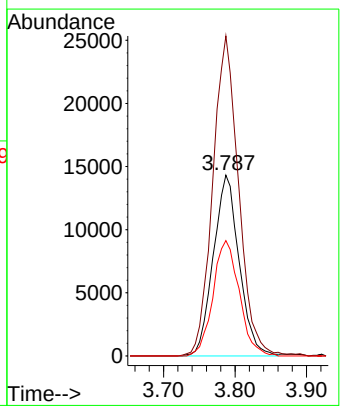


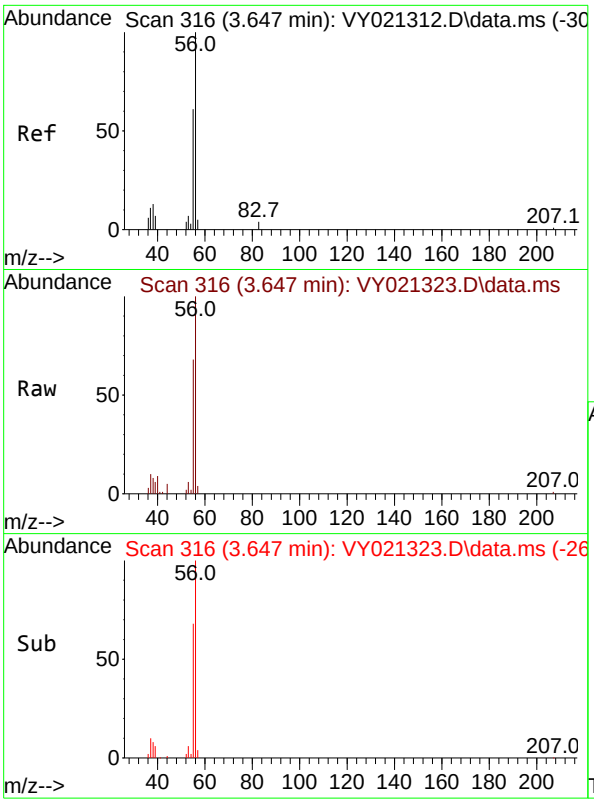


#12
1,1-Dichloroethene
Concen: 19.186 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 96 Resp: 35945

Ion	Ratio	Lower	Upper
96	100		
61	177.0	139.7	209.5
98	63.8	49.7	74.5



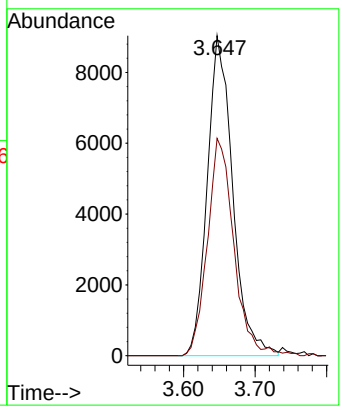


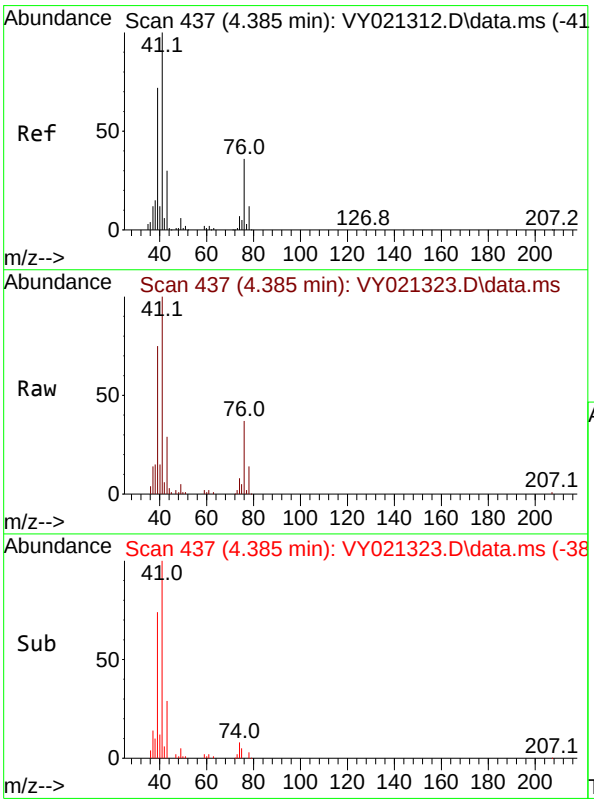
#13
Acrolein
Concen: 179.408 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 56 Resp: 22337

Ion	Ratio	Lower	Upper
56	100		
55	70.6	59.0	88.6

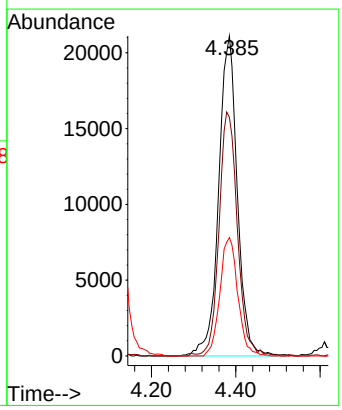


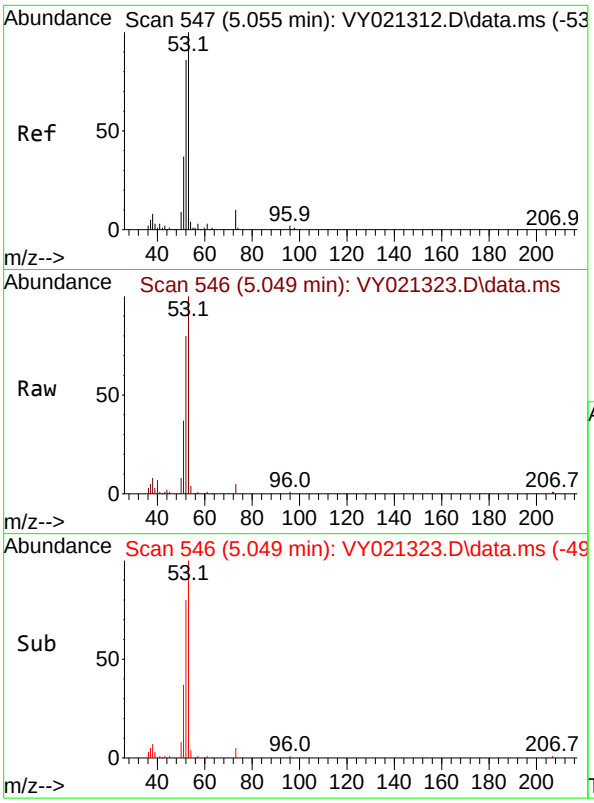


#14
Allyl chloride
Concen: 19.454 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 41 Resp: 64619

Ion	Ratio	Lower	Upper
41	100		
39	74.7	60.0	90.0
76	35.5	29.0	43.6



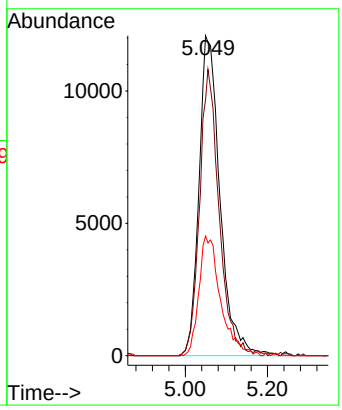


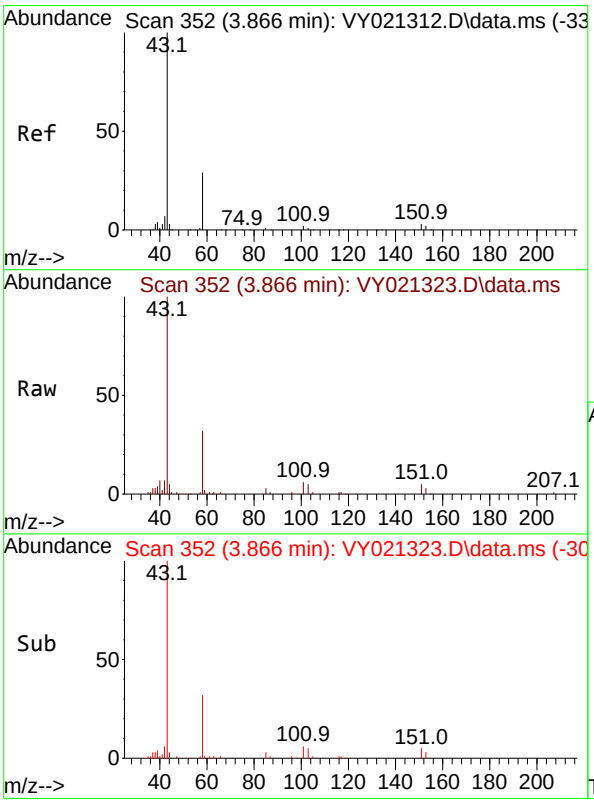
#15
Acrylonitrile
Concen: 95.540 ug/l
RT: 5.049 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 53 Resp: 42848

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.5	98.3
51	38.7	30.6	46.0

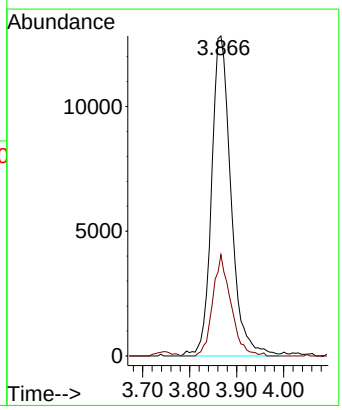


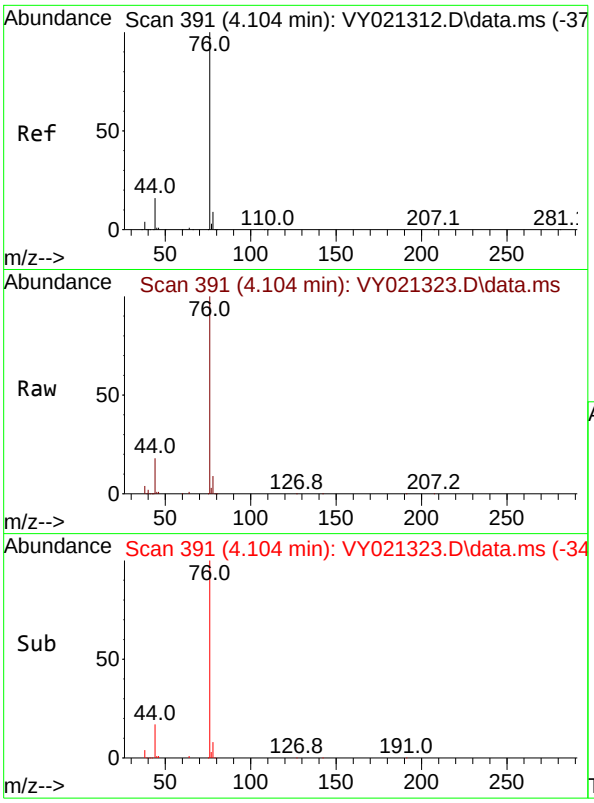


#16
Acetone
Concen: 91.302 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 36994

Ion	Ratio	Lower	Upper
43	100		
58	31.7	23.5	35.3



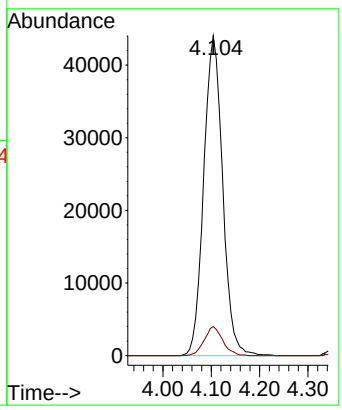


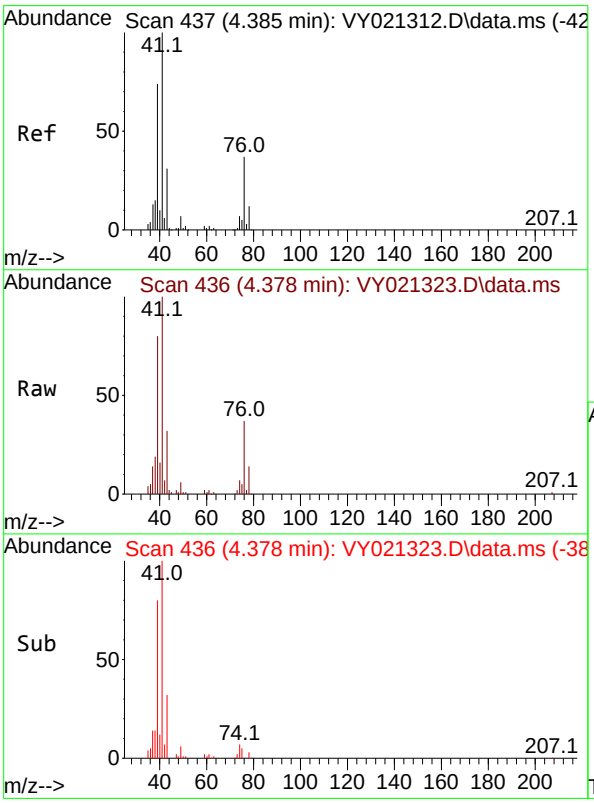
#17
Carbon Disulfide
Concen: 19.240 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 76 Resp: 119697

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

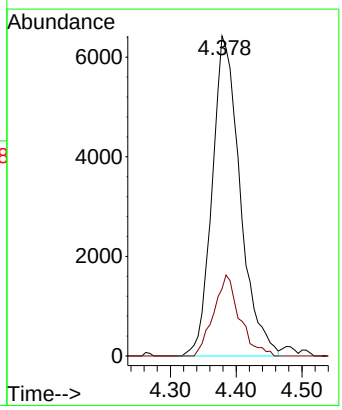


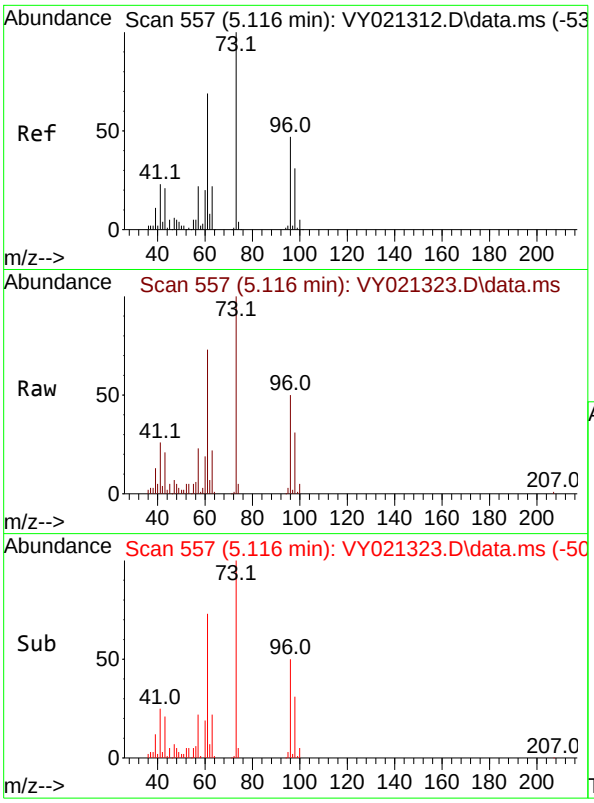


#18
Methyl Acetate
Concen: 19.188 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 19000

Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.7	26.5



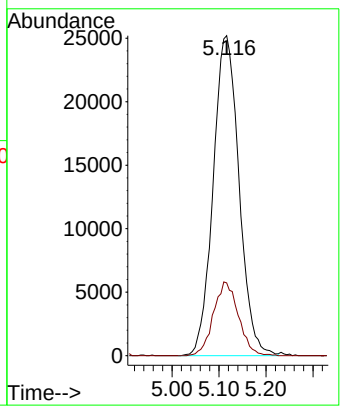


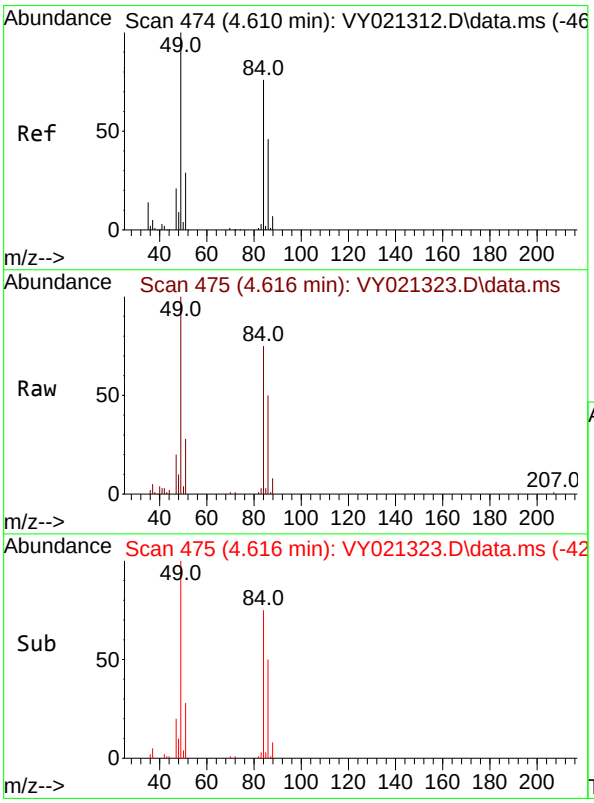
#19
Methyl tert-butyl Ether
Concen: 19.498 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 73 Resp: 96512

Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.0

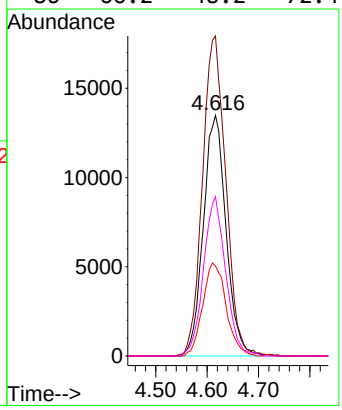


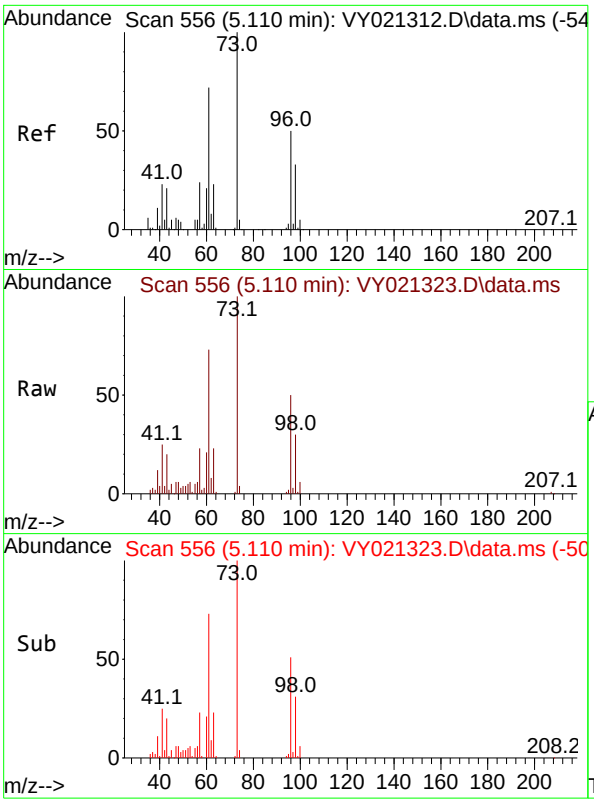


#20
Methylene Chloride
Concen: 18.908 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 84 Resp: 41428

Ion	Ratio	Lower	Upper
84	100		
49	132.6	105.1	157.7
51	37.4	31.0	46.4
86	66.2	48.2	72.4



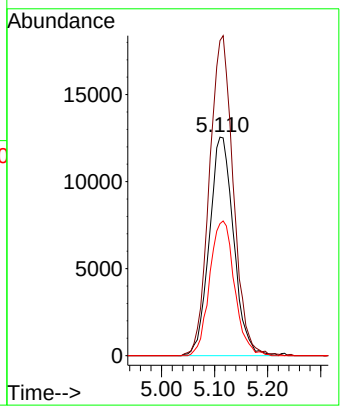


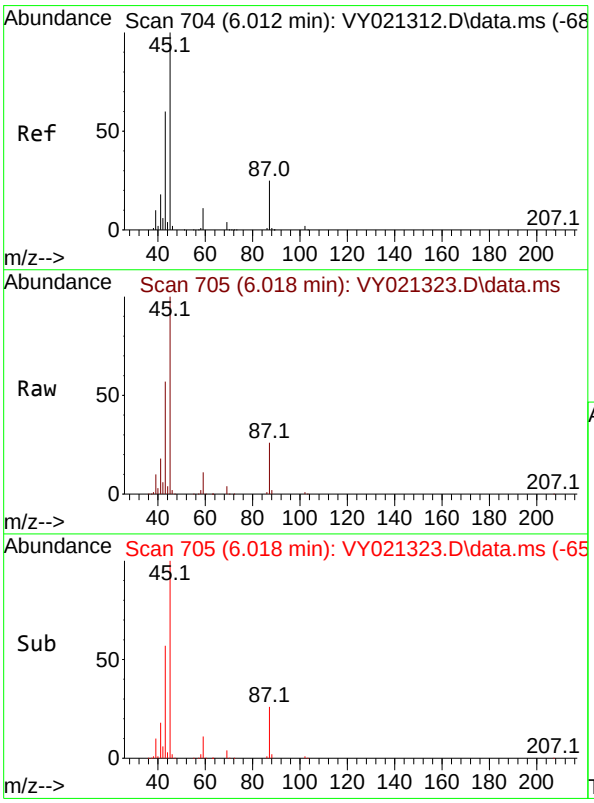
#21
trans-1,2-Dichloroethene
Concen: 19.387 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 96 Resp: 39986

Ion	Ratio	Lower	Upper
96	100		
61	144.1	116.3	174.5
98	60.4	52.6	78.8

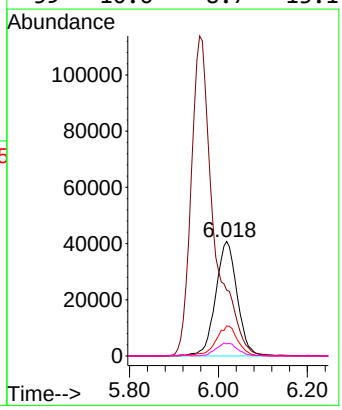


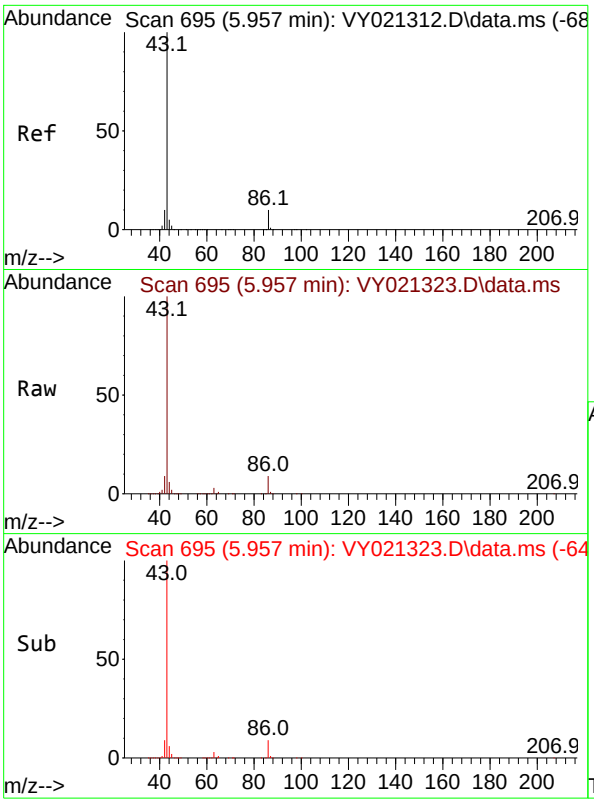


#22
Diisopropyl ether
Concen: 19.868 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 45 Resp: 136570

Ion	Ratio	Lower	Upper
45	100		
43	56.8	48.2	72.4
87	26.3	20.3	30.5
59	10.6	8.7	13.1



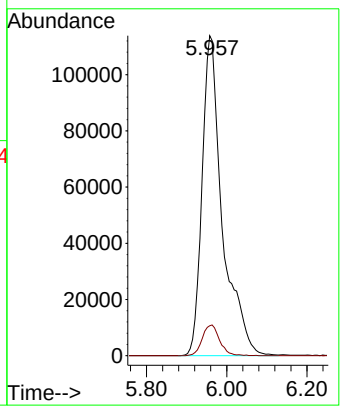


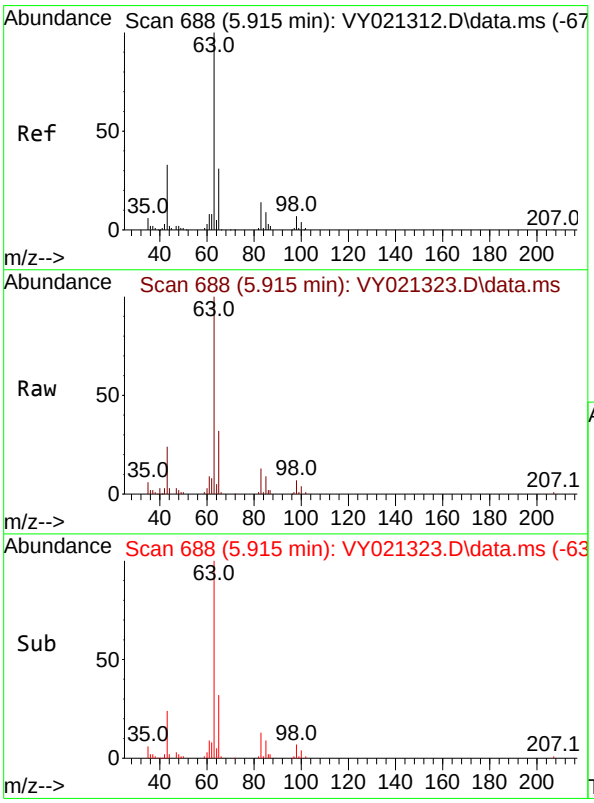
#23
Vinyl Acetate
Concen: 97.548 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 43 Resp: 400683

Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.0	12.0

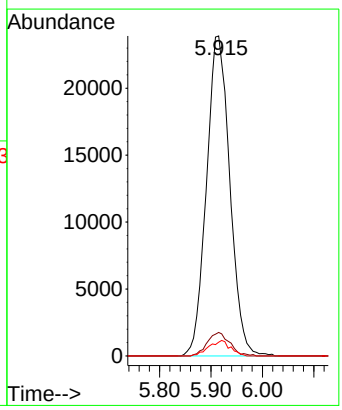


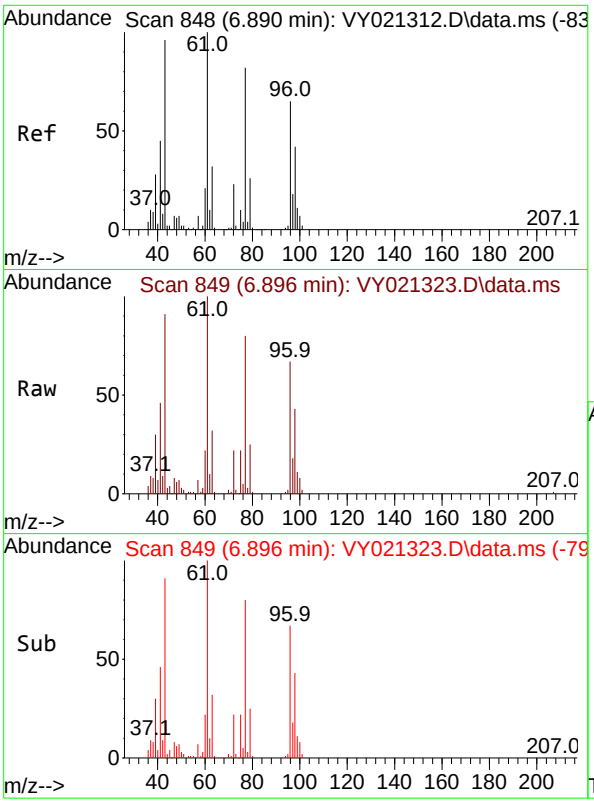


#24
1,1-Dichloroethane
Concen: 19.476 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 63 Resp: 75455

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.3	2.1	6.5



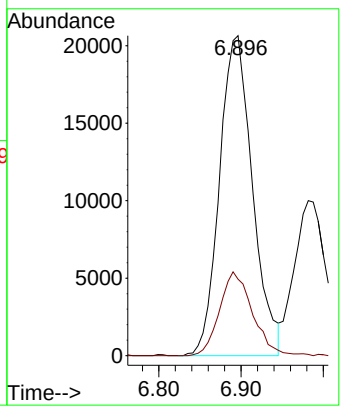


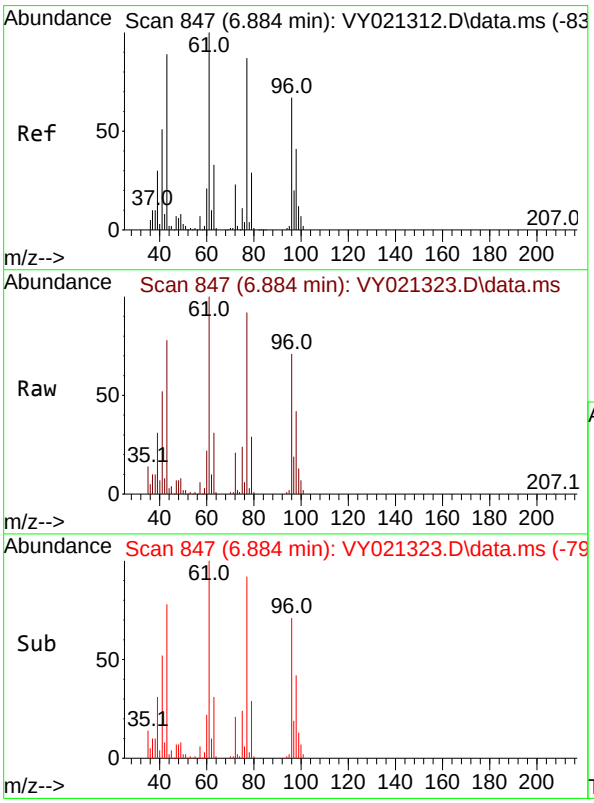
#25
2-Butanone
Concen: 94.416 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 43 Resp: 57737

Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.0	28.6

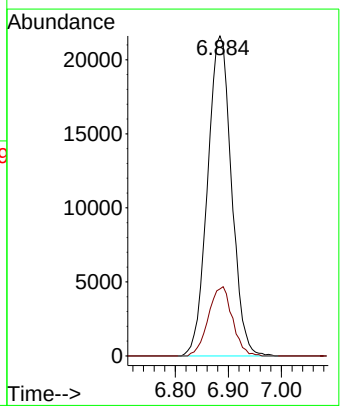


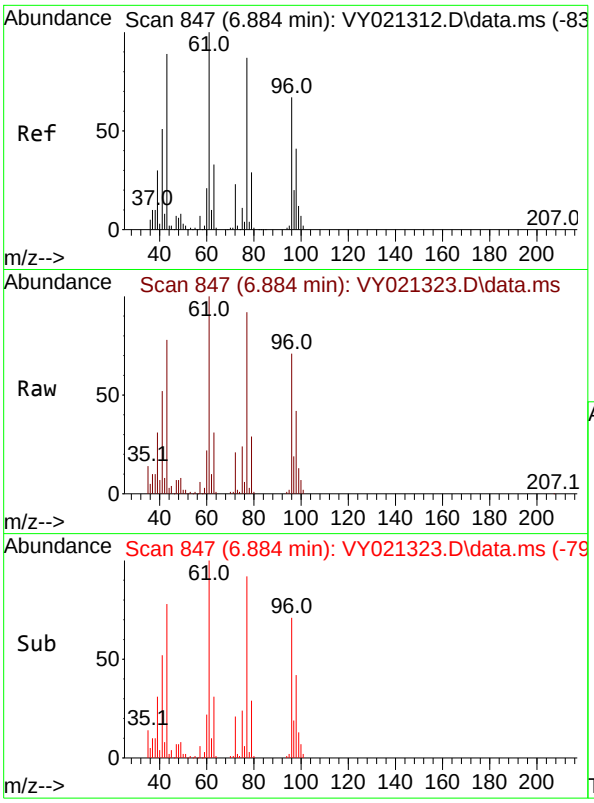


#26
2,2-Dichloropropane
Concen: 19.300 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 77 Resp: 67846

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.7



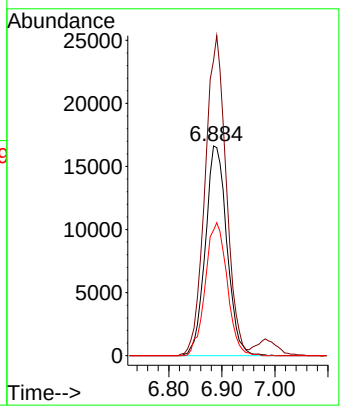


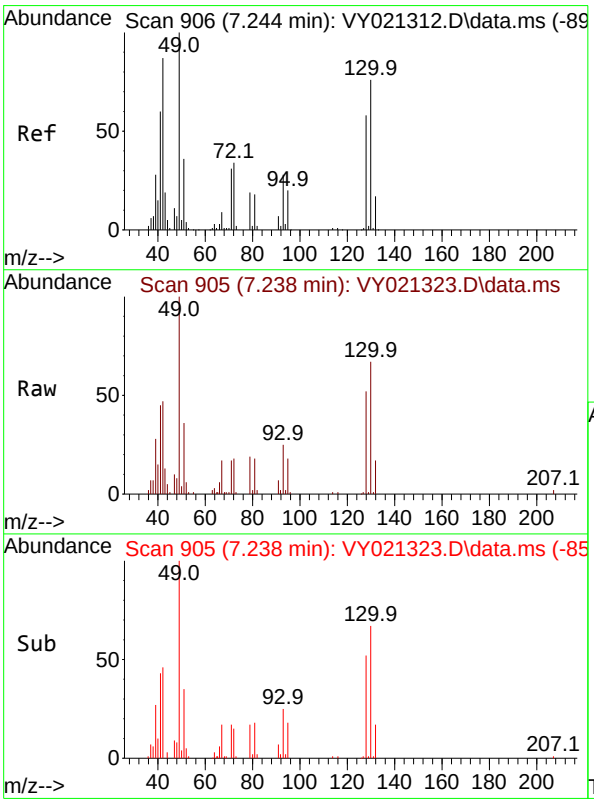
#27
cis-1,2-Dichloroethene
Concen: 19.905 ug/l
RT: 6.884 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 96 Resp: 46880

Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	308.0
98	64.4	0.0	129.6

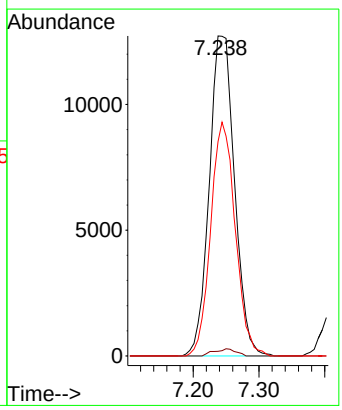


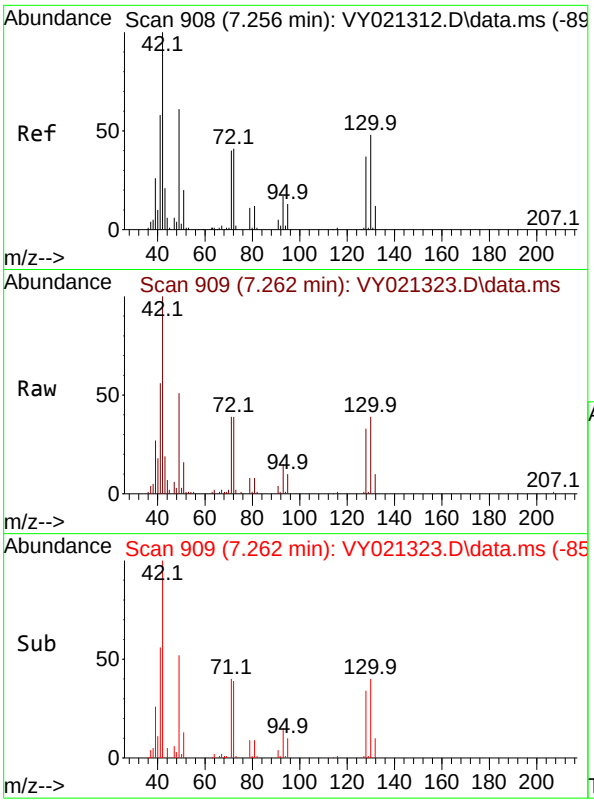


#28
Bromochloromethane
Concen: 19.882 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 49 Resp: 34082

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	71.0	57.8	86.6



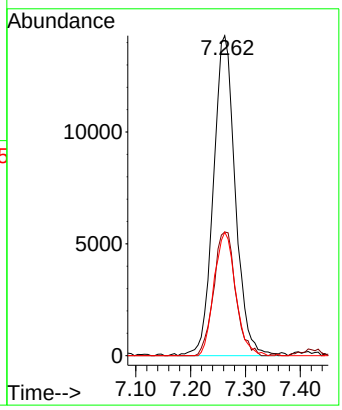


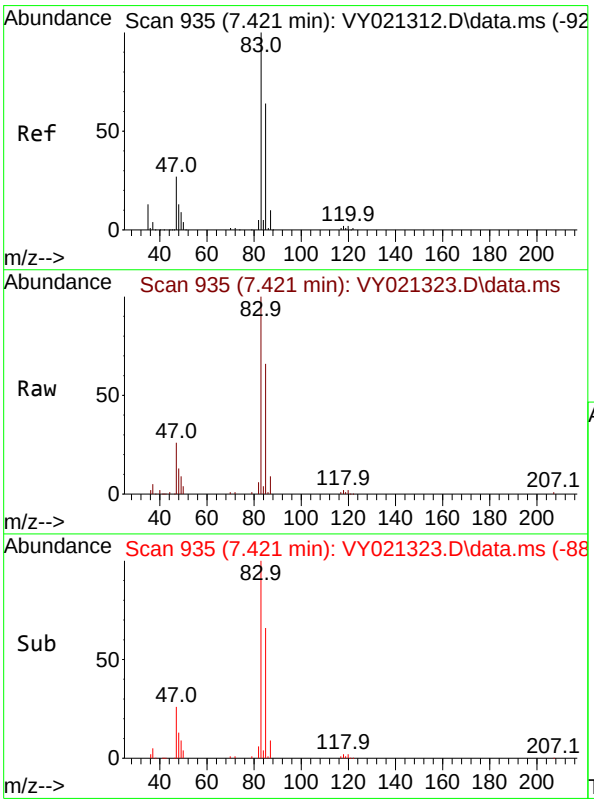
#29
Tetrahydrofuran
Concen: 99.167 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 42 Resp: 39639

Ion	Ratio	Lower	Upper
42	100		
72	39.0	33.1	49.7
71	37.9	31.4	47.0

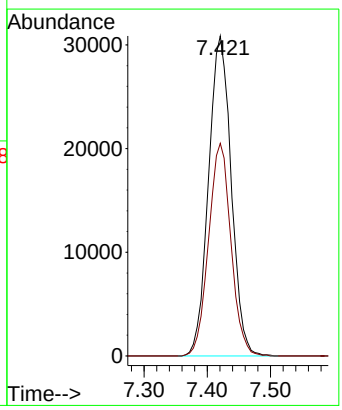


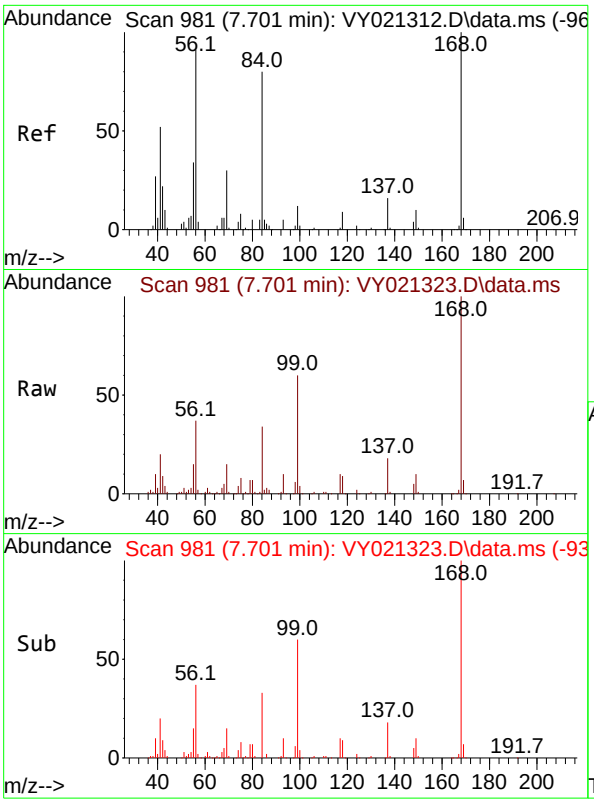


#30
Chloroform
Concen: 19.537 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 83 Resp: 76696

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.6	77.4



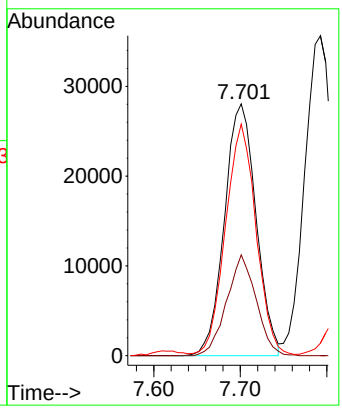


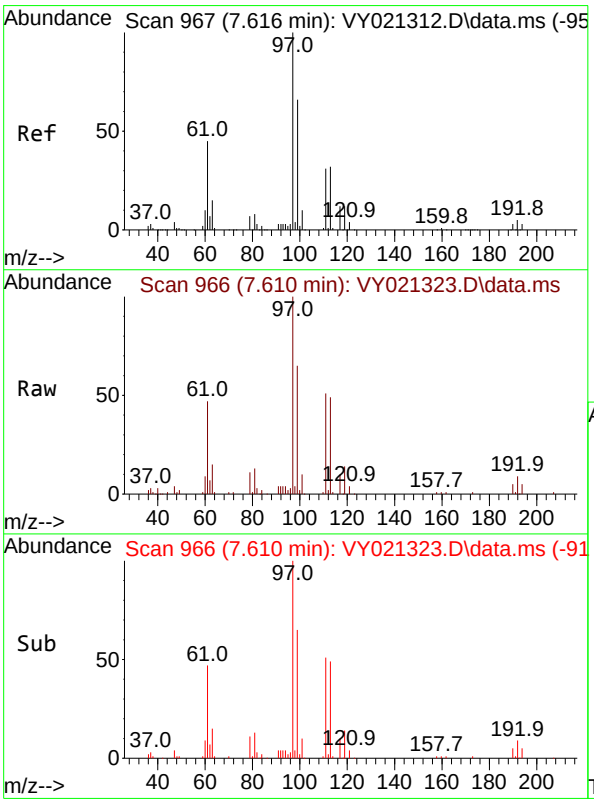
#31
Cyclohexane
Concen: 19.104 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 56 Resp: 71145

Ion	Ratio	Lower	Upper
56	100		
69	40.1	26.2	39.4#
84	90.8	70.2	105.4

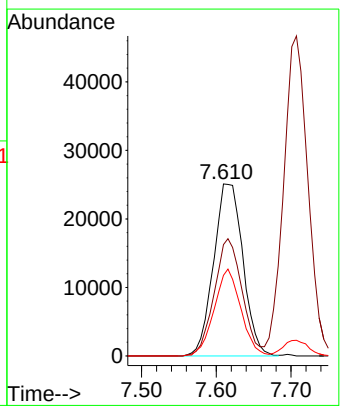


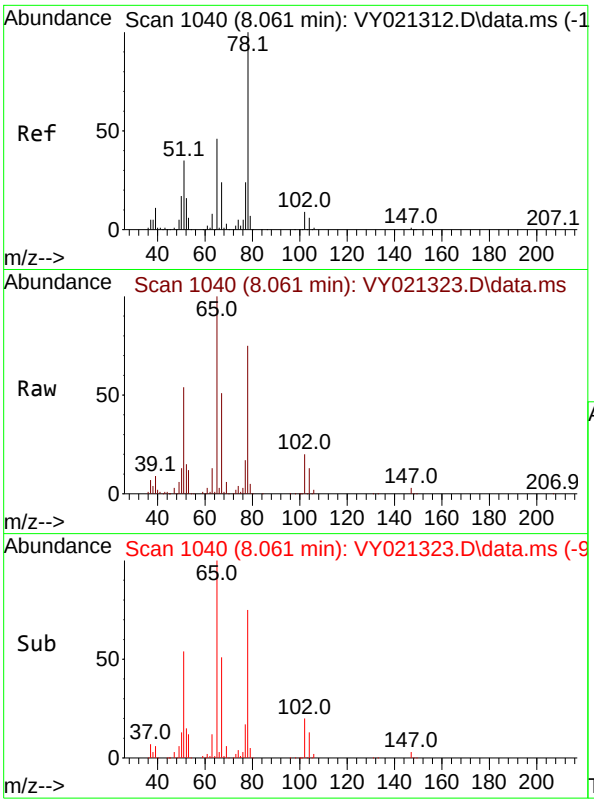


#32
1,1,1-Trichloroethane
Concen: 19.226 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 97 Resp: 68700

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.4	78.6
61	45.9	36.2	54.2



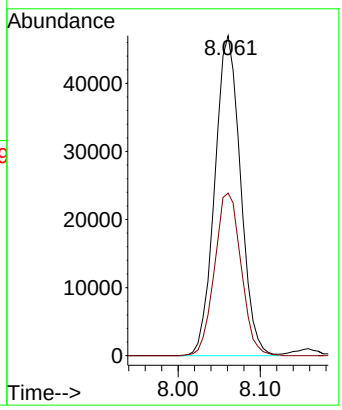


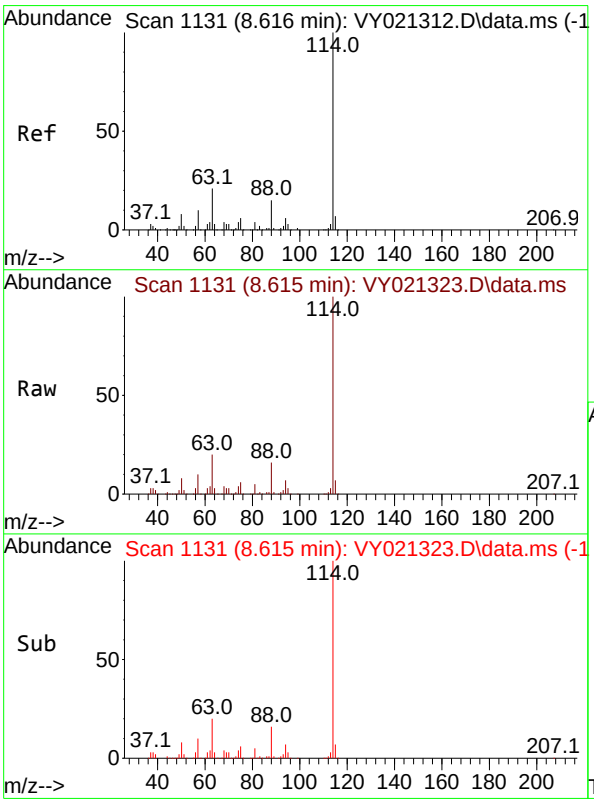
#33
1,2-Dichloroethane-d4
Concen: 48.451 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 65 Resp: 102341

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.6

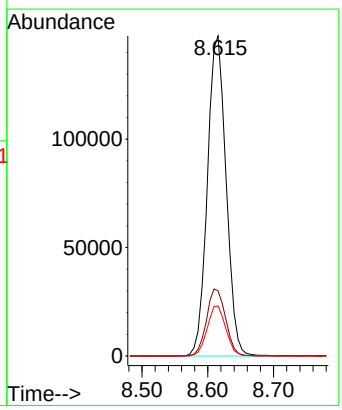


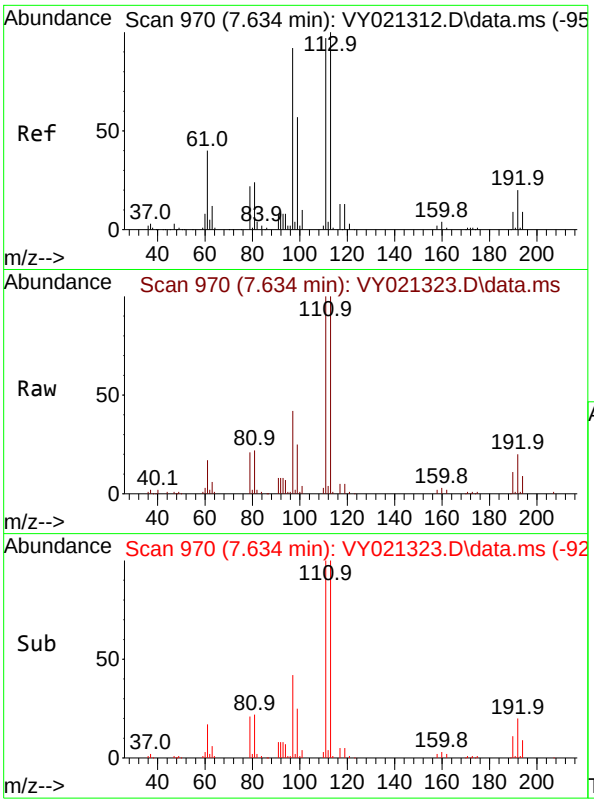


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:114 Resp: 292071

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.2
88	15.6	0.0	29.8



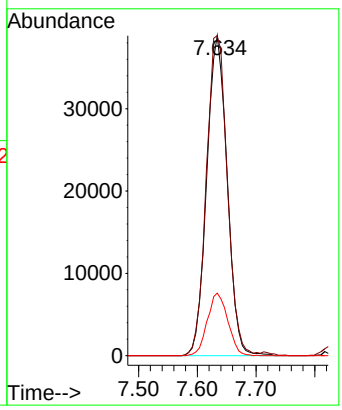


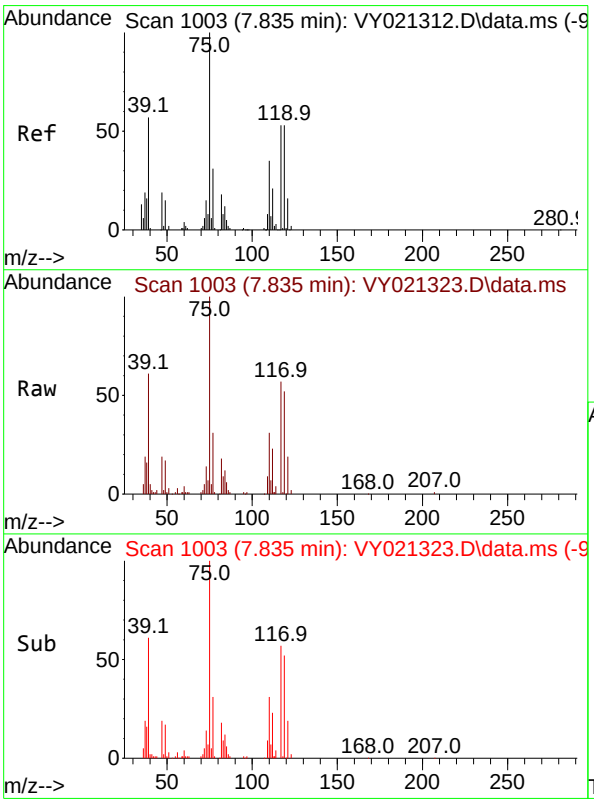
#35
Dibromofluoromethane
Concen: 49.120 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:113 Resp: 94057

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.0	121.6
192	19.6	15.8	23.8

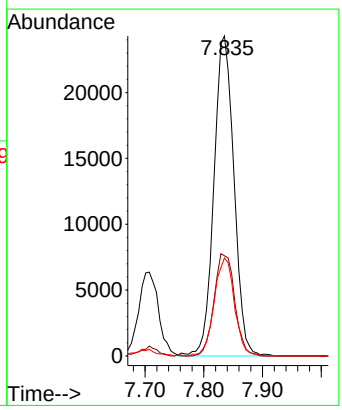


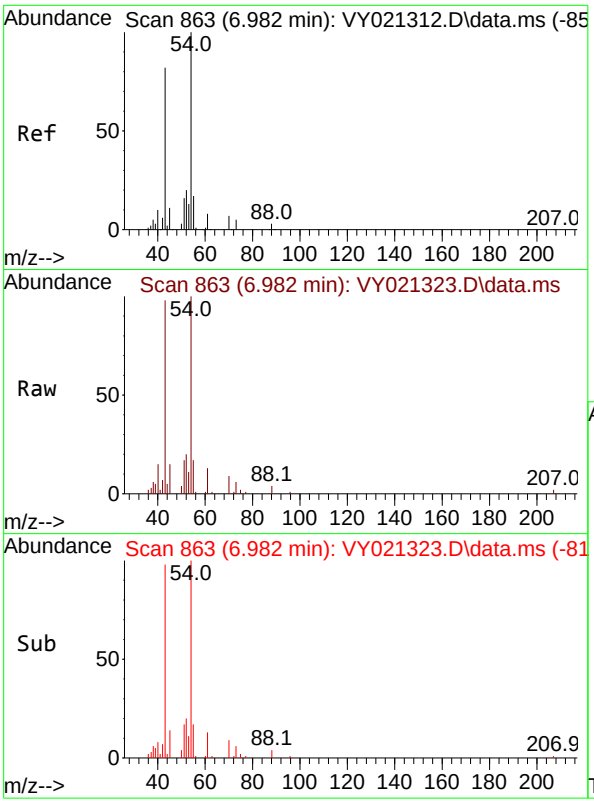


#36
1,1-Dichloropropene
Concen: 20.043 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 57651

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.7
77	30.8	24.6	36.8



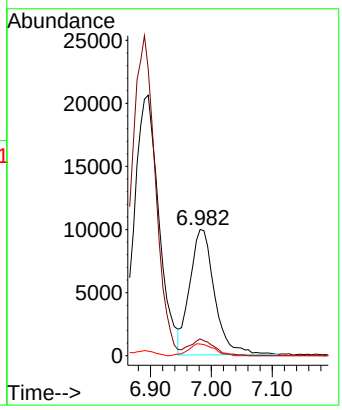


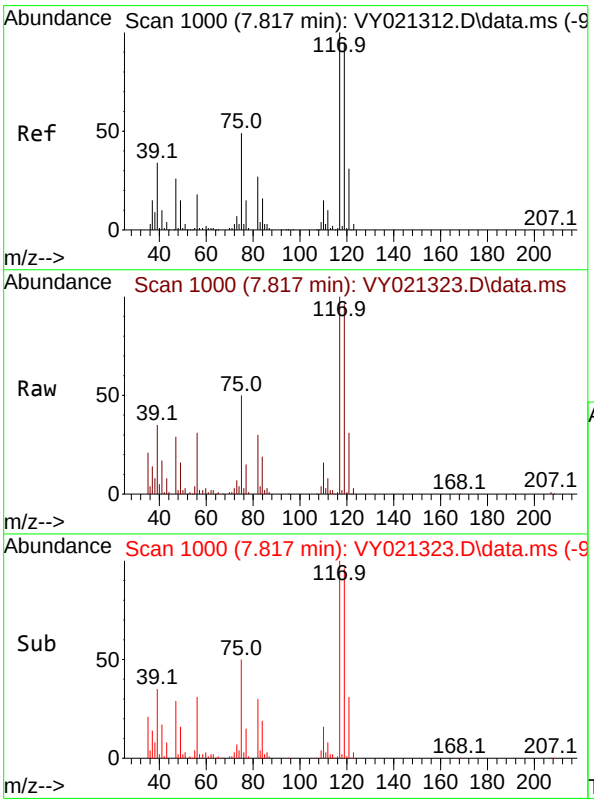
#37
Ethyl Acetate
Concen: 19.665 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 43 Resp: 28136

Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.4	15.6
70	9.5	7.5	11.3

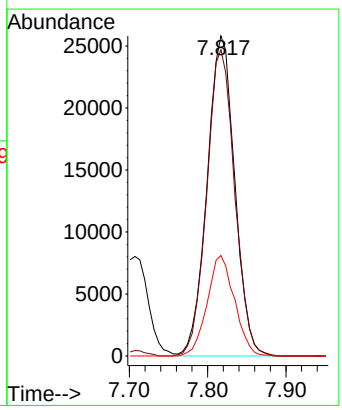


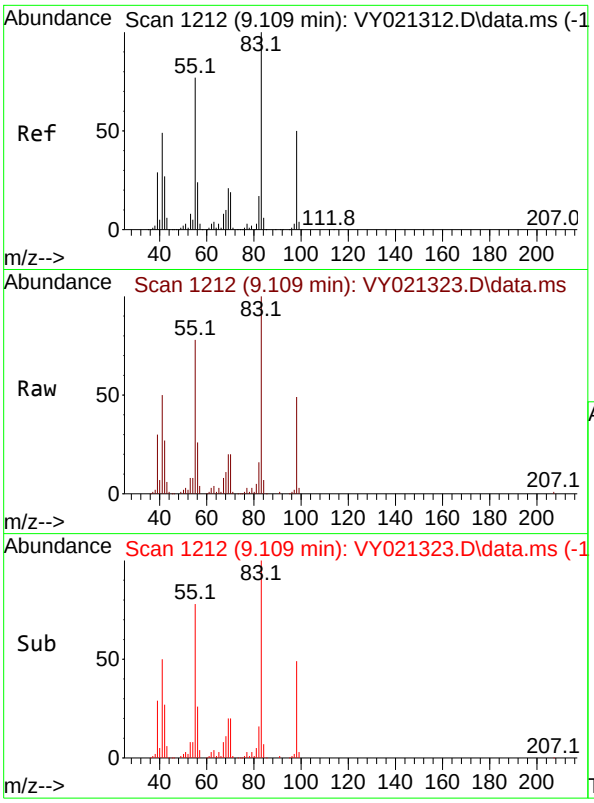


#38
Carbon Tetrachloride
Concen: 19.587 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:117 Resp: 63336

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.0	114.0
121	31.4	24.9	37.3



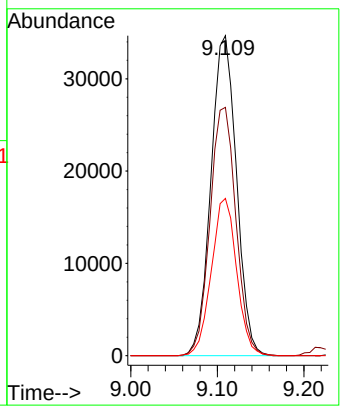


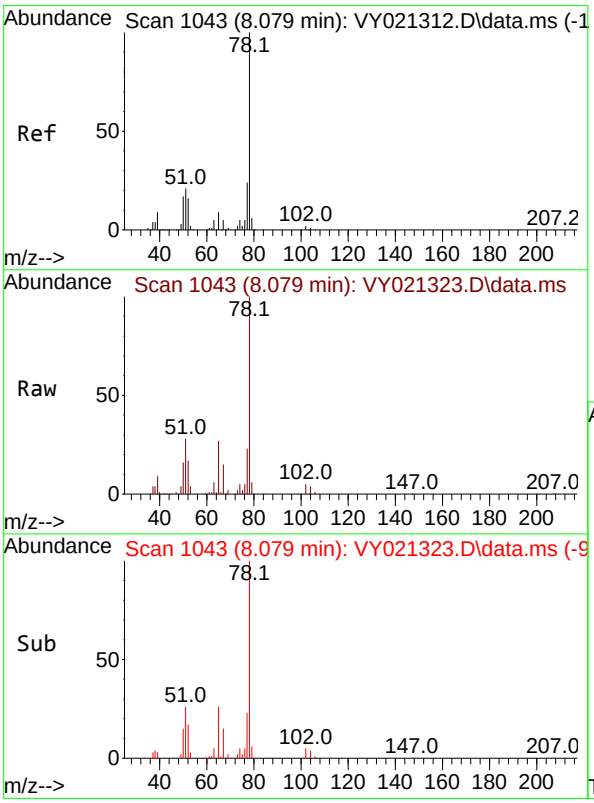
#39
Methylcyclohexane
Concen: 19.543 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 83 Resp: 71099

Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.3	91.9
98	49.2	39.9	59.9

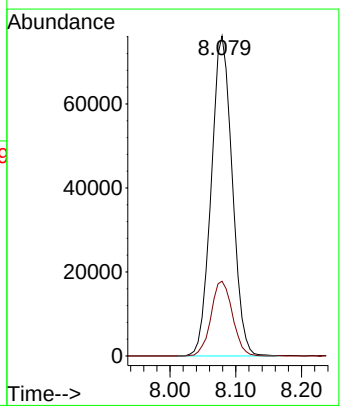


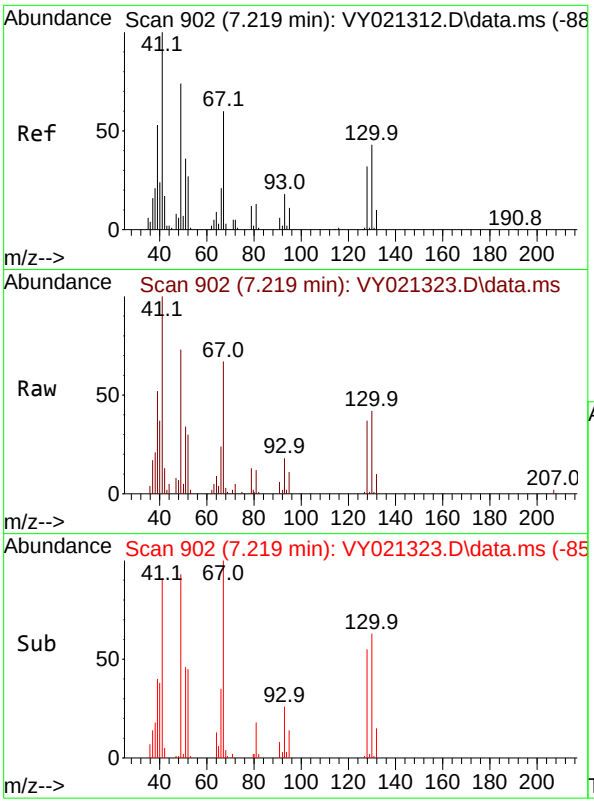


#40
Benzene
Concen: 19.922 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 78 Resp: 169384

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8



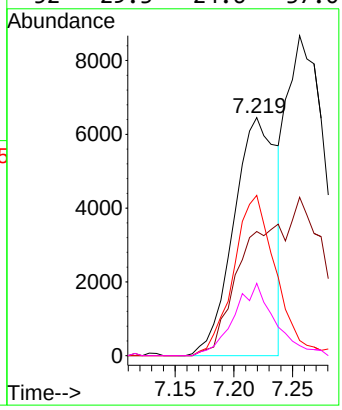


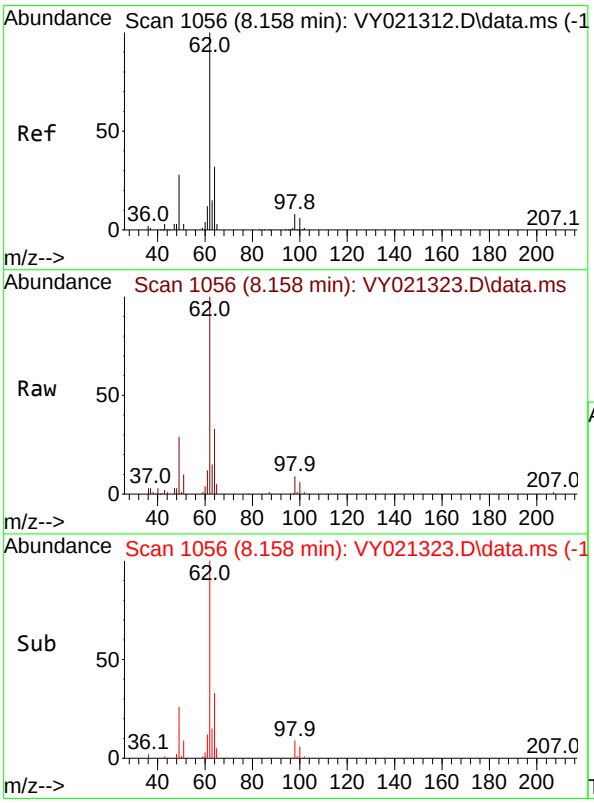
#41
Methacrylonitrile
Concen: 20.455 ug/l
RT: 7.219 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 41 Resp: 16363

Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.3	63.5#
67	66.9	54.8	82.2
52	29.3	24.6	37.0

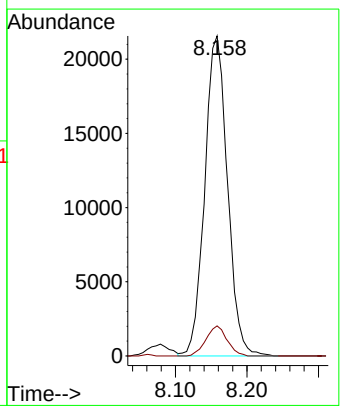


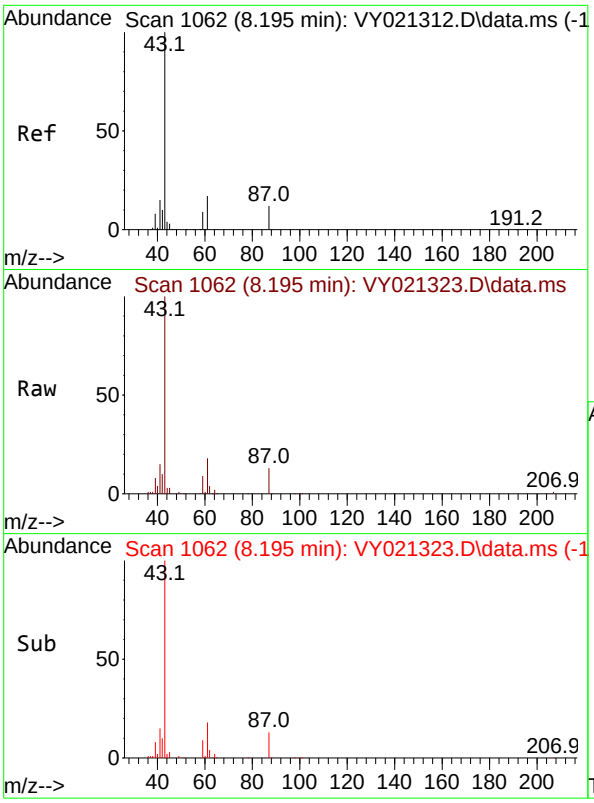


#42
1,2-Dichloroethane
Concen: 19.718 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 62 Resp: 47566

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6



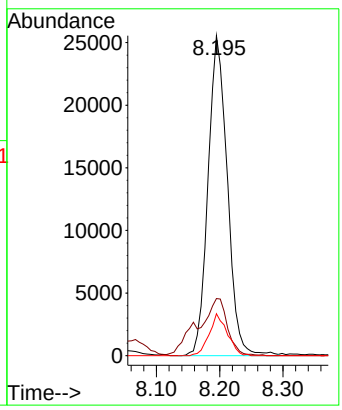


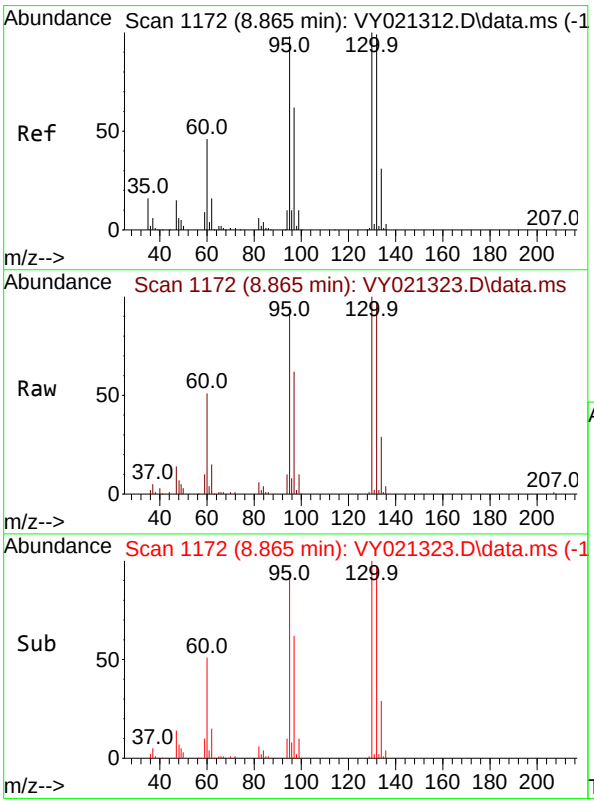
#43
Isopropyl Acetate
Concen: 19.618 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 43 Resp: 54330

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.0	22.6
87	12.2	10.0	15.0

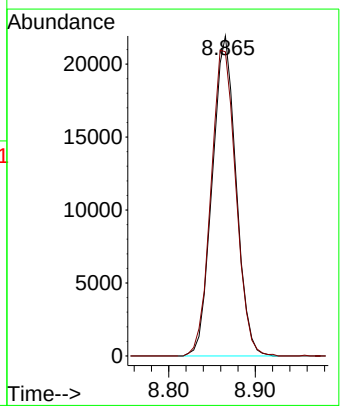


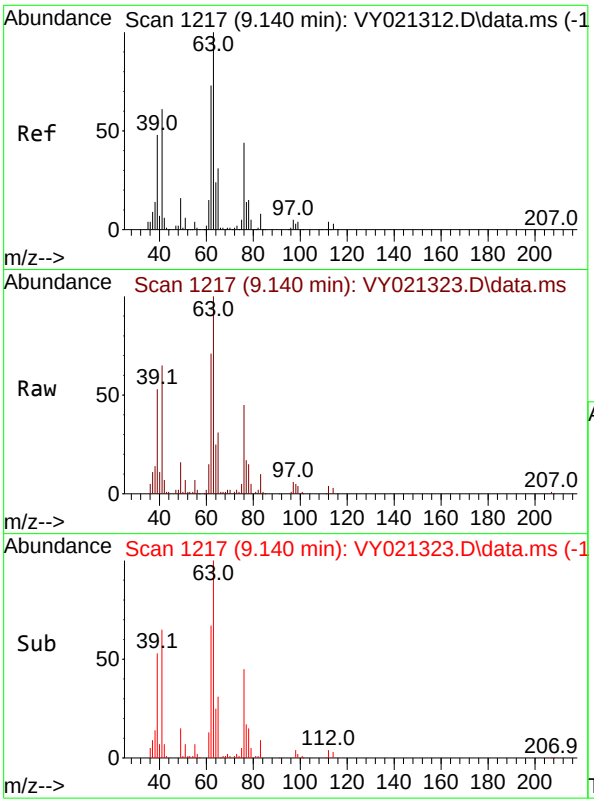


#44
Trichloroethene
Concen: 19.638 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:130 Resp: 41805

Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	196.0



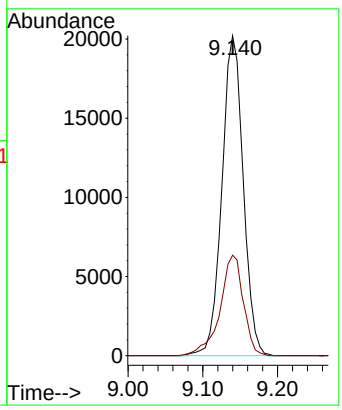


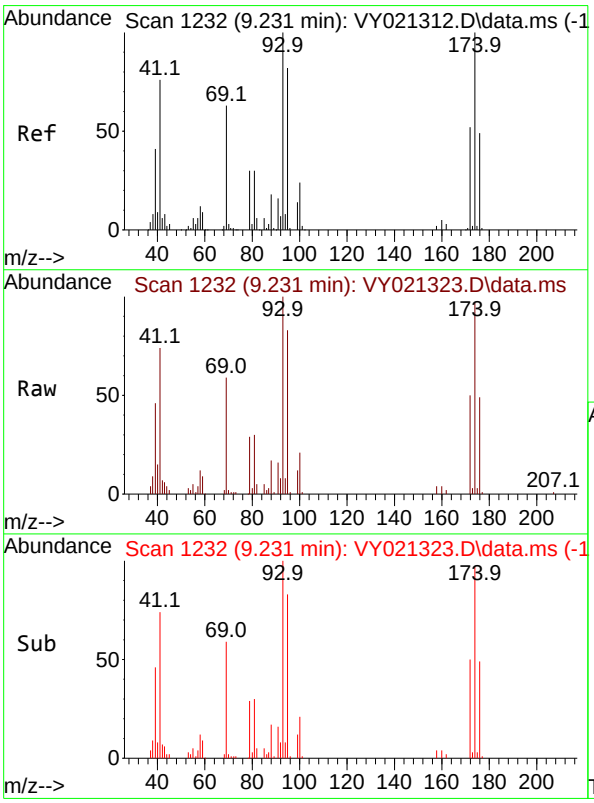
#45
1,2-Dichloropropane
Concen: 19.592 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 63 Resp: 40089

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8

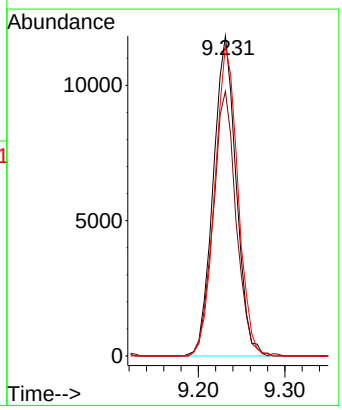


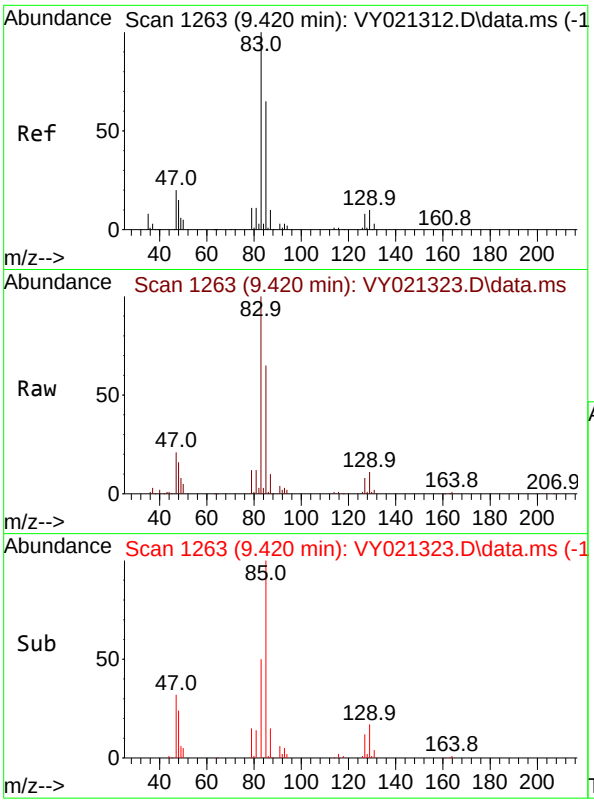


#46
Dibromomethane
Concen: 19.425 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 93 Resp: 21727

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.4	99.6
174	97.9	78.2	117.2



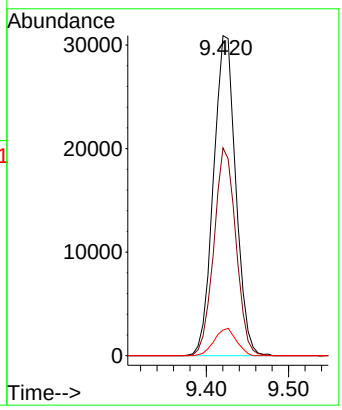


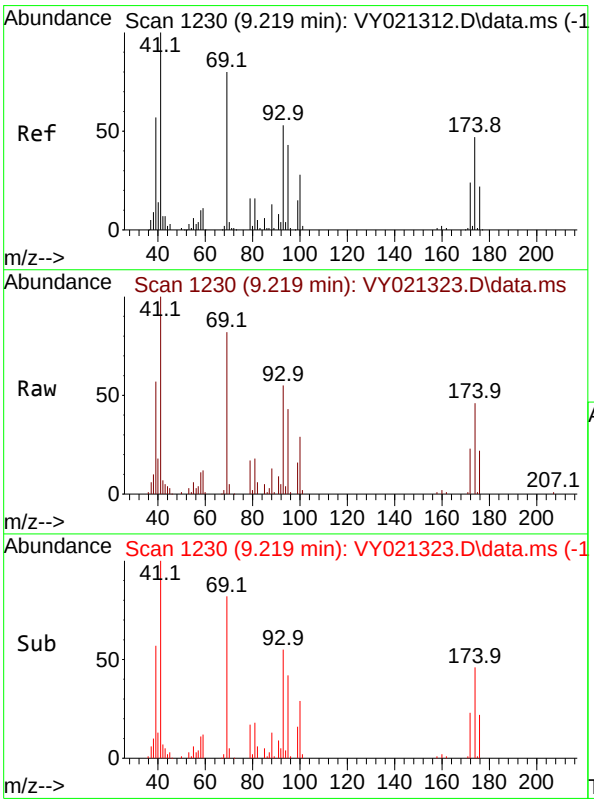
#47
Bromodichloromethane
Concen: 19.487 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 83 Resp: 58116

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8
127	8.0	6.7	10.1

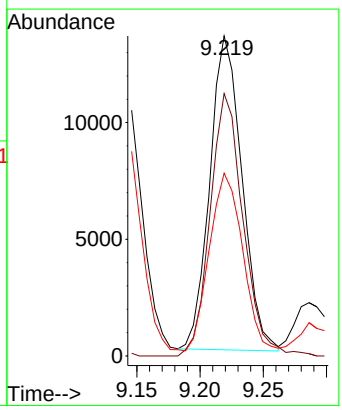


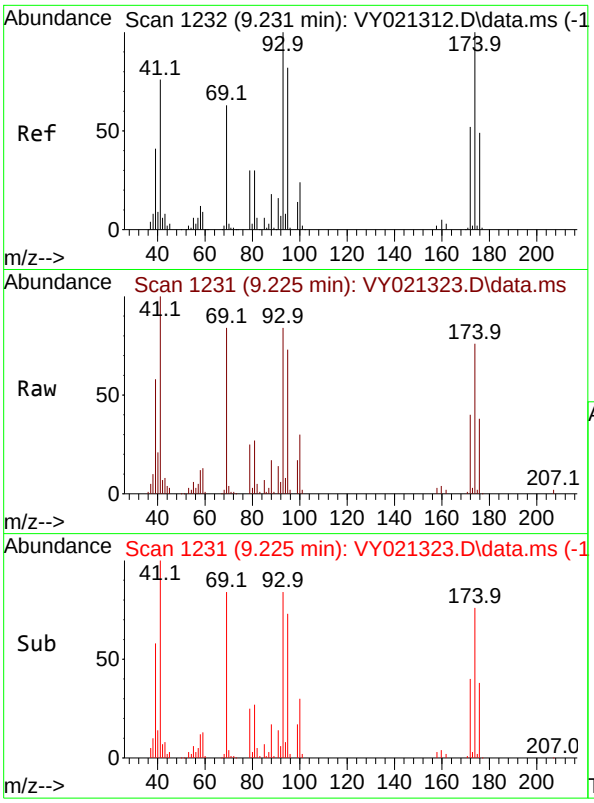


#48
Methyl methacrylate
Concen: 18.368 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 41 Resp: 23787

Ion	Ratio	Lower	Upper
41	100		
69	85.5	63.3	94.9
39	58.8	45.0	67.6



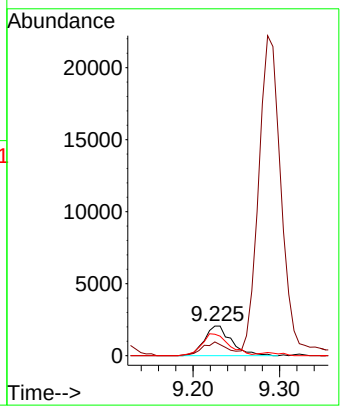


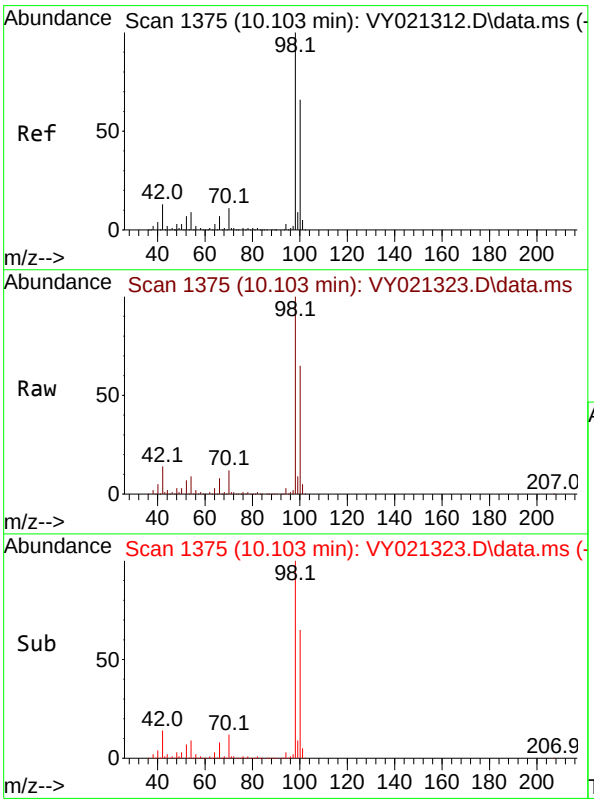
#49
1,4-Dioxane
Concen: 358.943 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 88 Resp: 4464

Ion	Ratio	Lower	Upper
88	100		
43	41.5	34.8	52.2
58	74.4	59.8	89.6

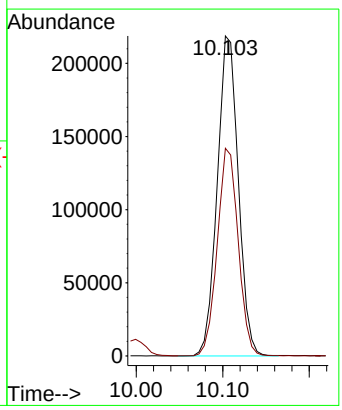


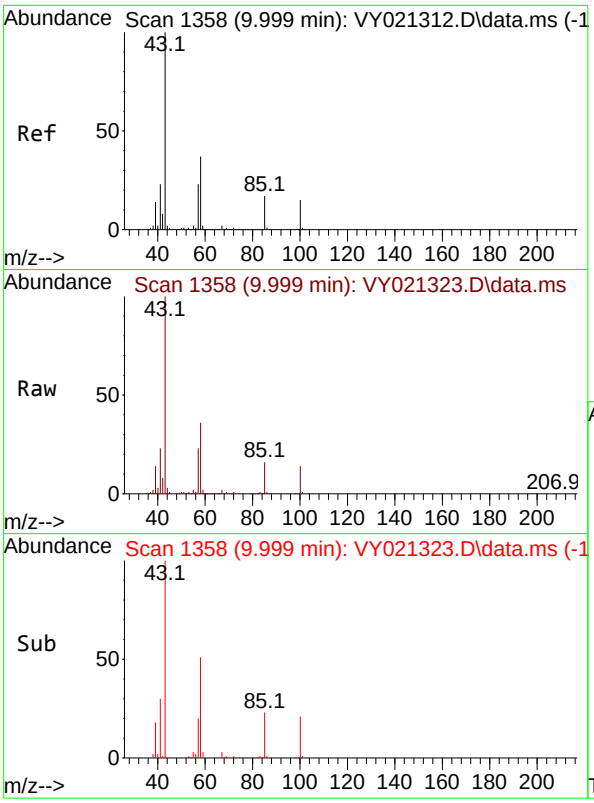


#50
Toluene-d8
Concen: 49.924 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 98 Resp: 369458

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.4	78.6



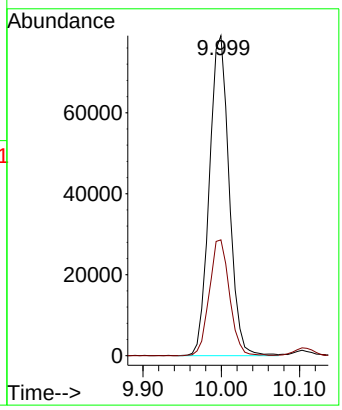


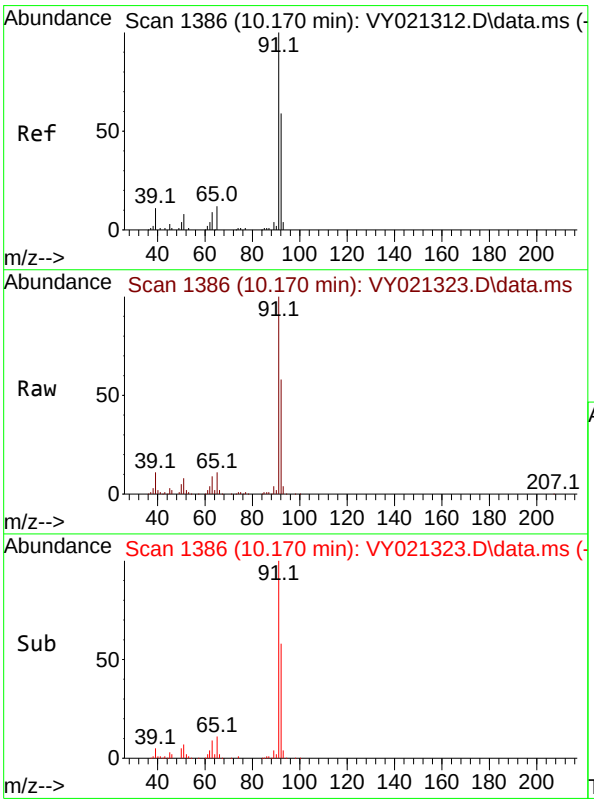
#51
4-Methyl-2-Pentanone
Concen: 97.751 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 43 Resp: 138572

Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.1	45.1

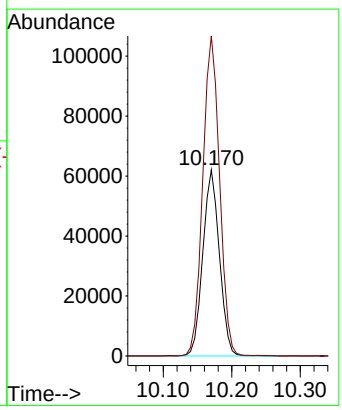


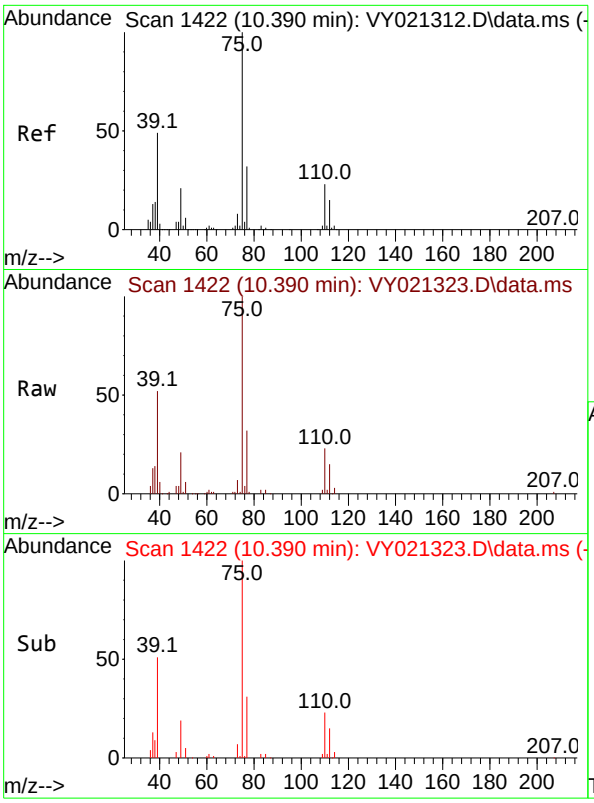


#52
Toluene
Concen: 19.738 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 92 Resp: 104255

Ion	Ratio	Lower	Upper
92	100		
91	174.9	137.8	206.8



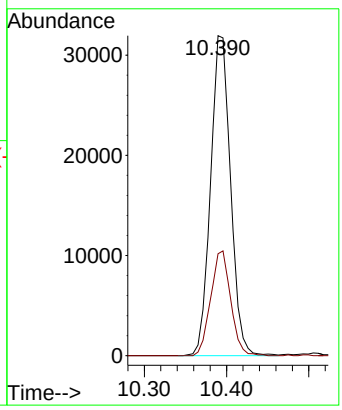


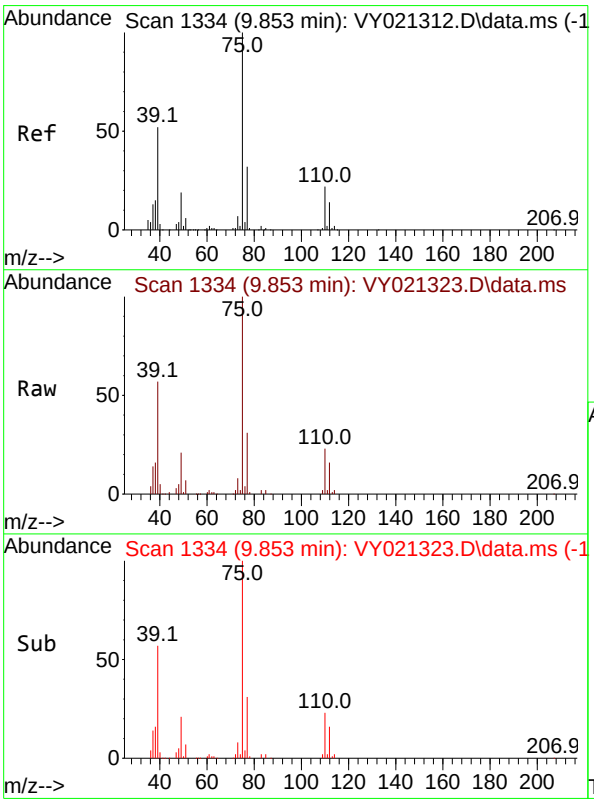
#53
t-1,3-Dichloropropene
Concen: 19.755 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 75 Resp: 53978

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9

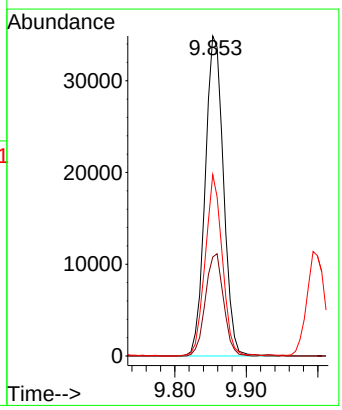


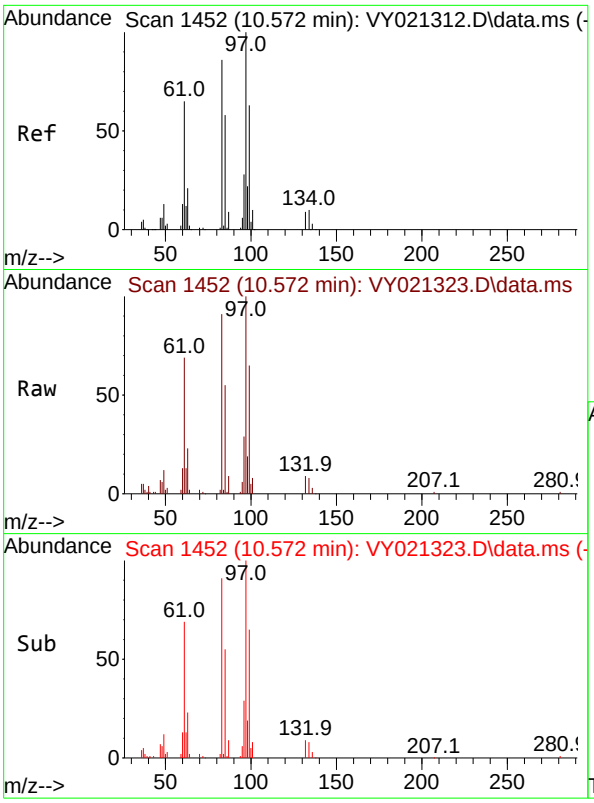


#54
cis-1,3-Dichloropropene
Concen: 19.260 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 62124

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.7	38.5
39	56.7	41.8	62.6



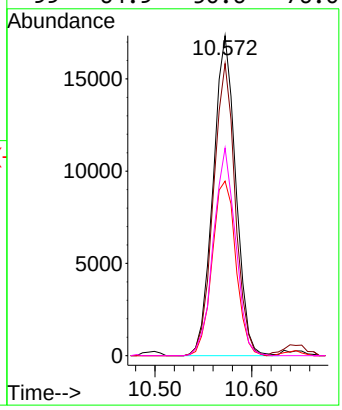


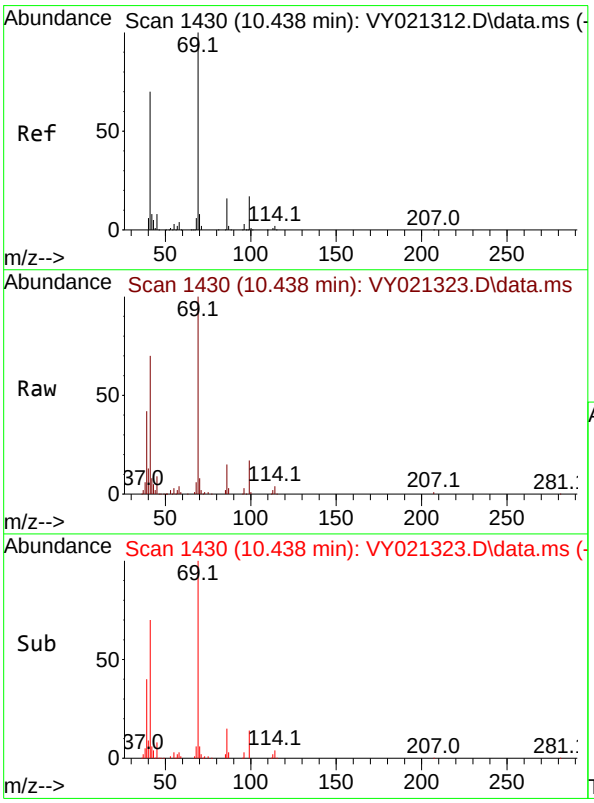
#55
1,1,2-Trichloroethane
Concen: 19.373 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 97 Resp: 28227

Ion	Ratio	Lower	Upper
97	100		
83	91.3	68.7	103.1
85	54.5	46.3	69.5
99	64.9	50.6	76.0

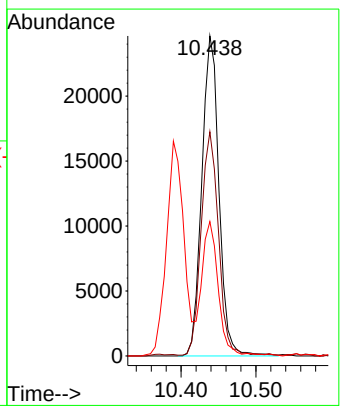


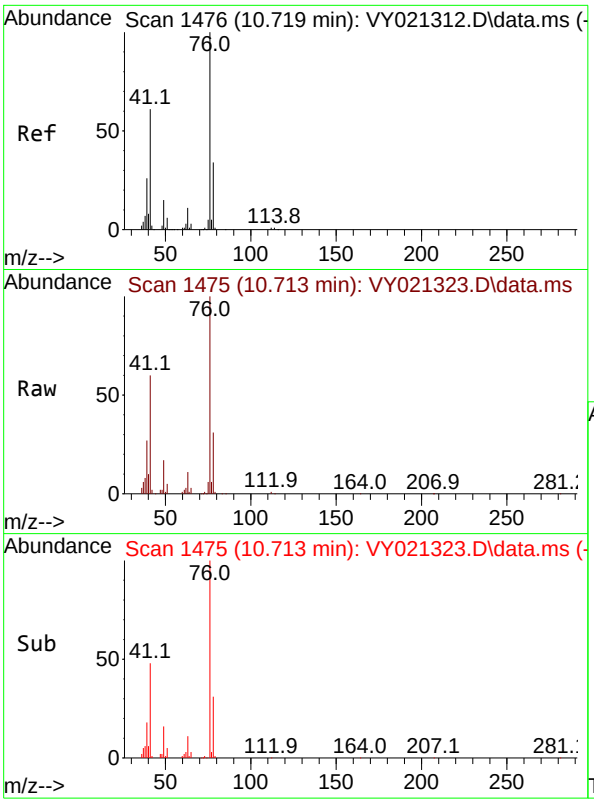


#56
Ethyl methacrylate
Concen: 19.530 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 69 Resp: 39319

Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.2	84.4
39	41.9	32.7	49.1



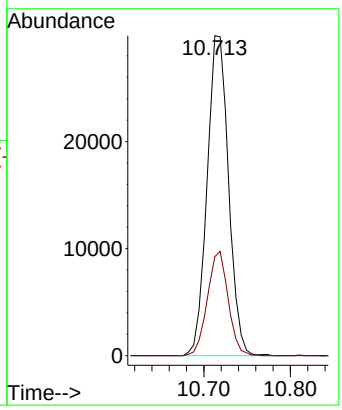


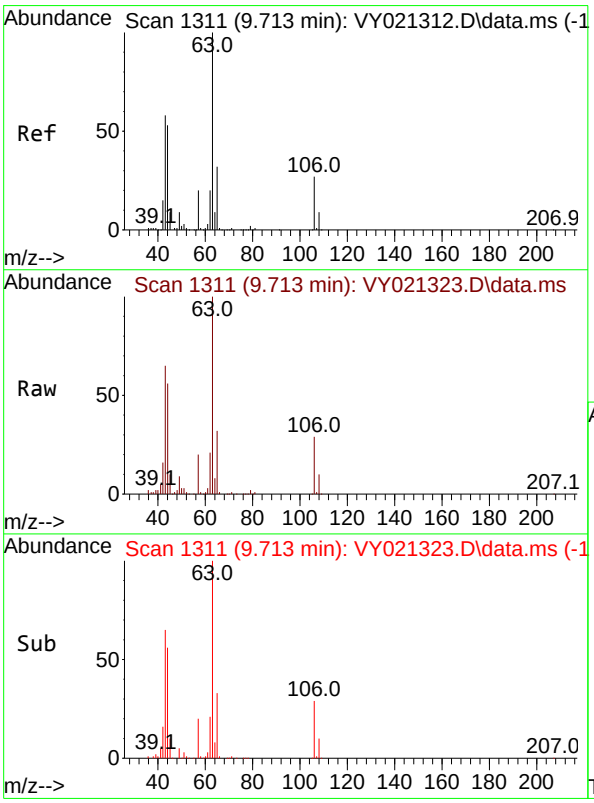
#57
1,3-Dichloropropane
Concen: 20.102 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 76 Resp: 51397

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.9	38.9

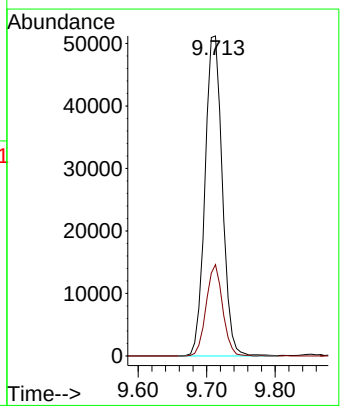


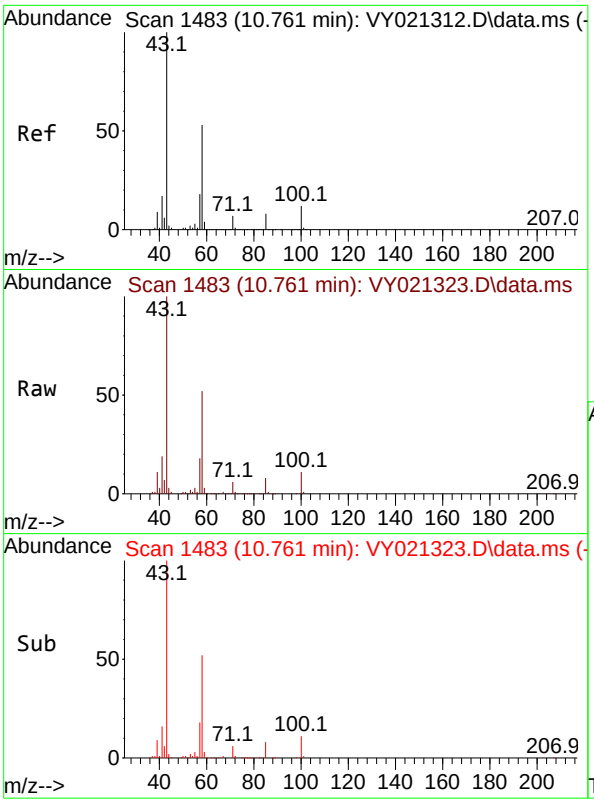


#58
2-Chloroethyl Vinyl ether
Concen: 93.158 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 63 Resp: 90024

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5



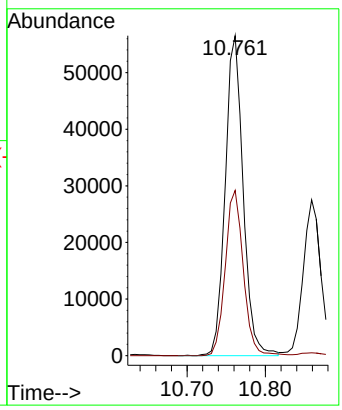


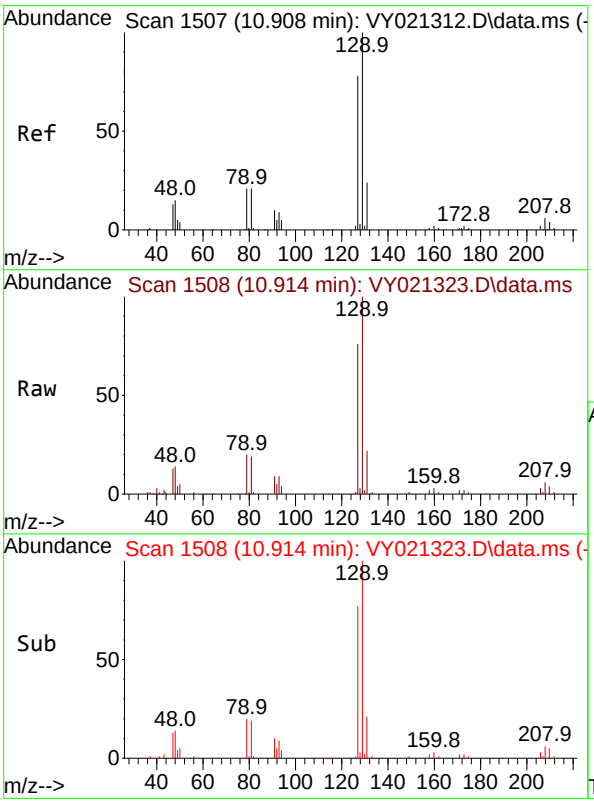
#59
2-Hexanone
Concen: 96.524 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 43 Resp: 89865

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

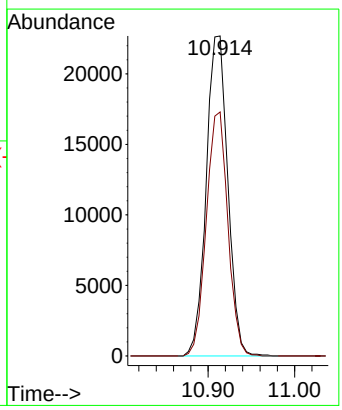


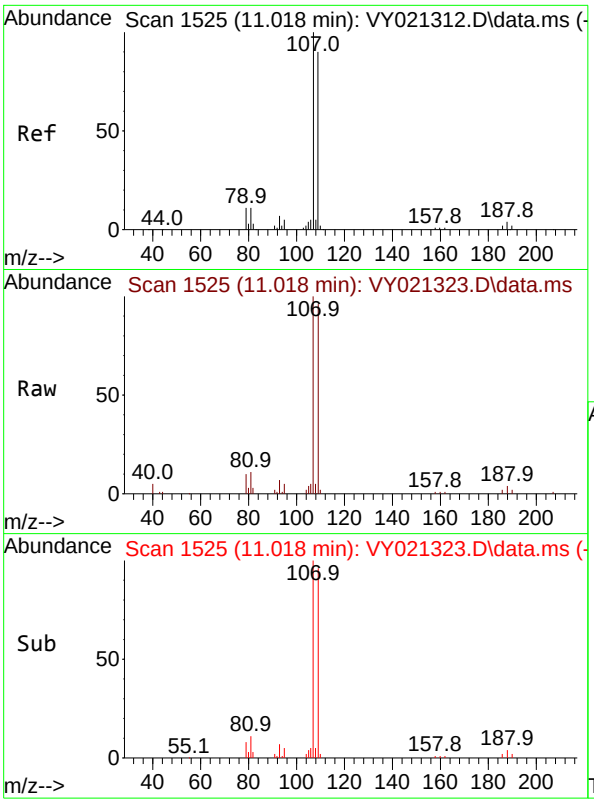


#60
Dibromochloromethane
Concen: 19.790 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:129 Resp: 39272

Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.8	116.4



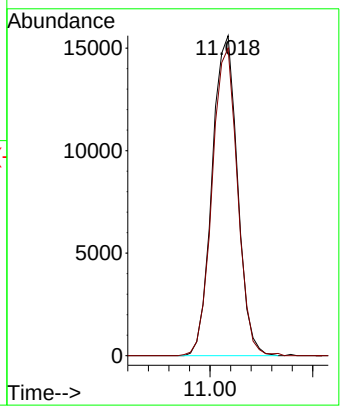


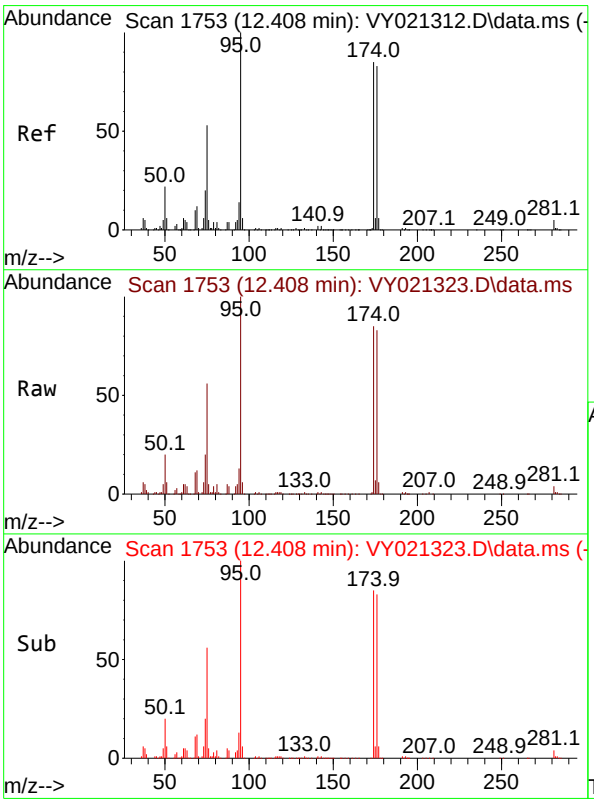
#61
1,2-Dibromoethane
Concen: 19.365 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:107 Resp: 26713

Ion	Ratio	Lower	Upper
107	100		
109	96.3	73.8	110.8

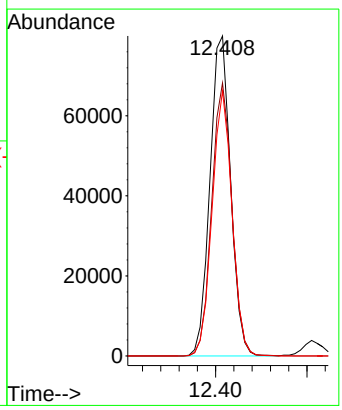


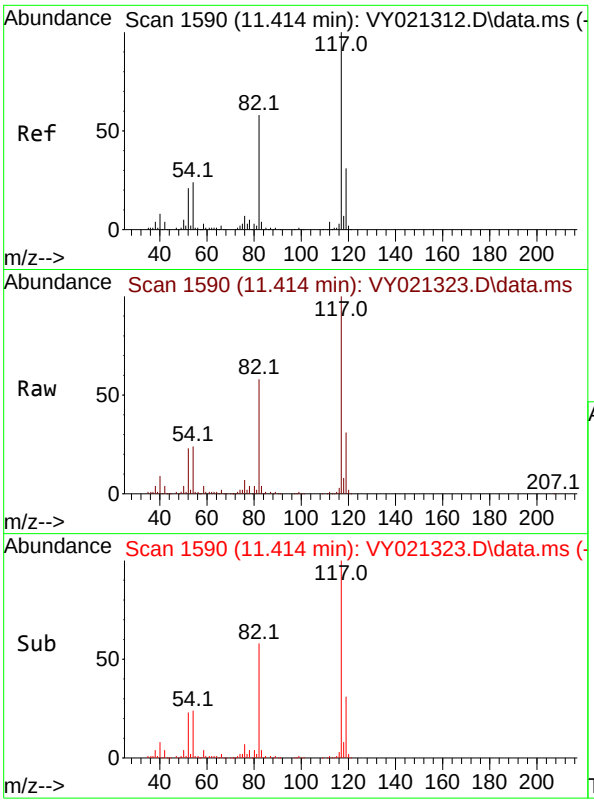


#62
4-Bromofluorobenzene
Concen: 50.271 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 95 Resp: 125203

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	168.0
176	79.9	0.0	162.6



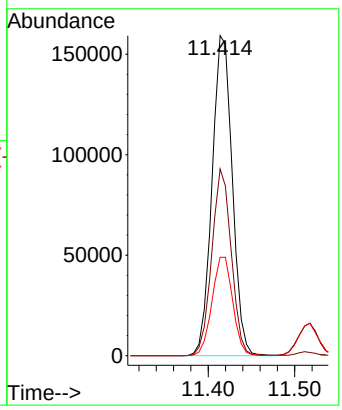


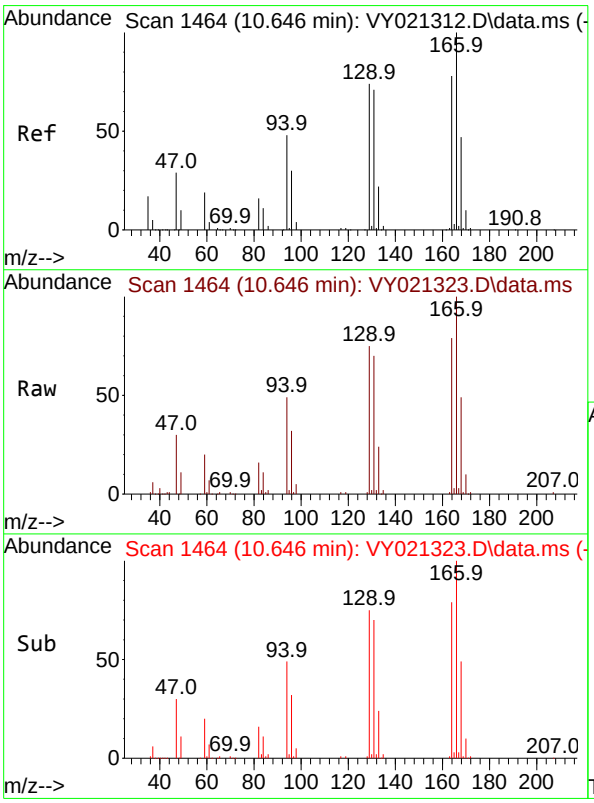
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:117 Resp: 258744

Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.2	69.4
119	30.8	24.9	37.3

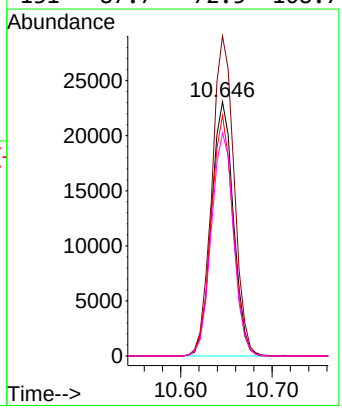


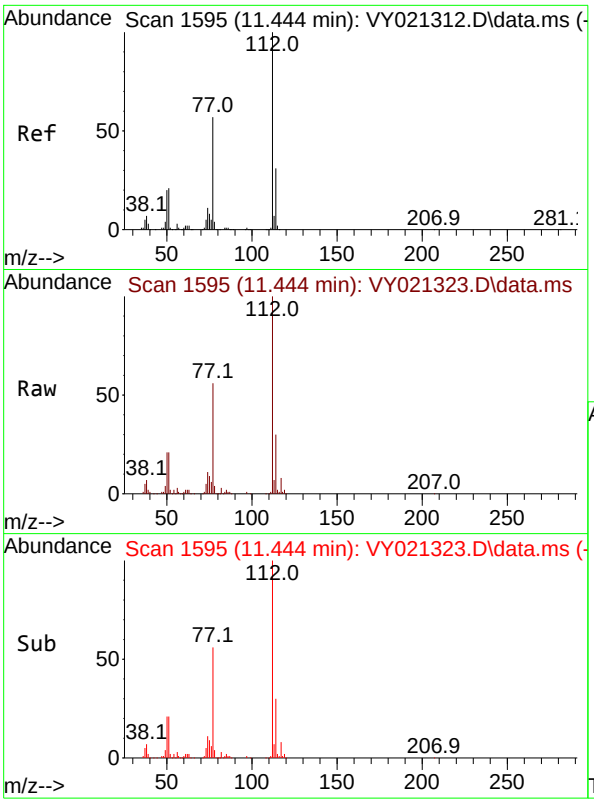


#64
Tetrachloroethene
Concen: 19.682 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:164 Resp: 38493

Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.9	152.9
129	94.6	75.5	113.3
131	87.7	72.5	108.7



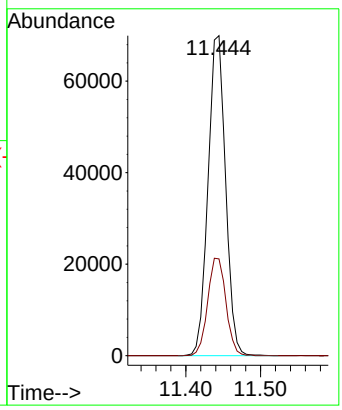


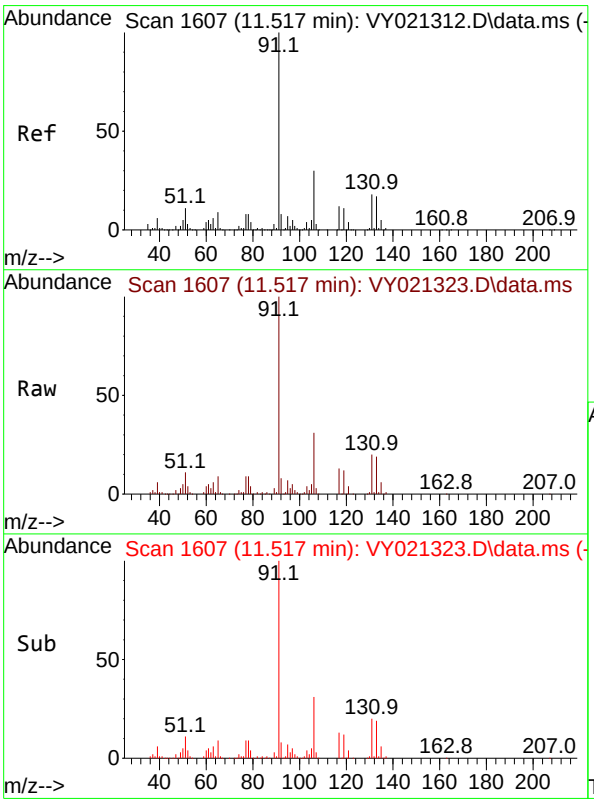
#65
Chlorobenzene
Concen: 19.597 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:112 Resp: 113821

Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.0	37.6

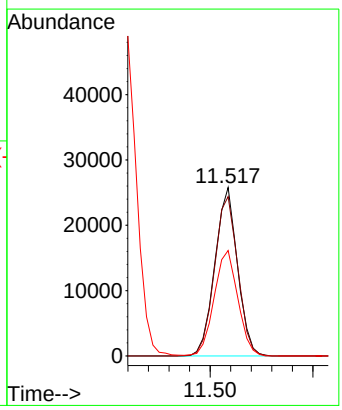


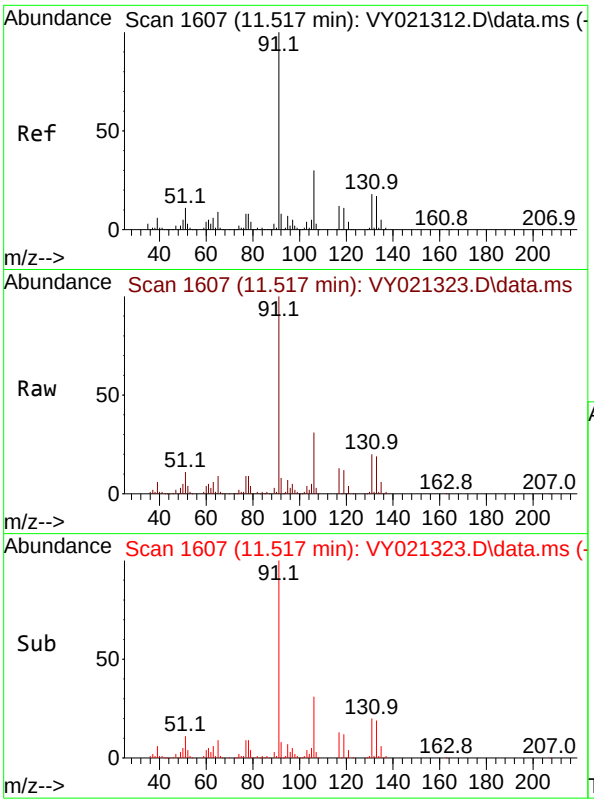


#66
1,1,1,2-Tetrachloroethane
Concen: 19.350 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:131 Resp: 39353

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.9	143.6
119	65.6	31.7	95.1



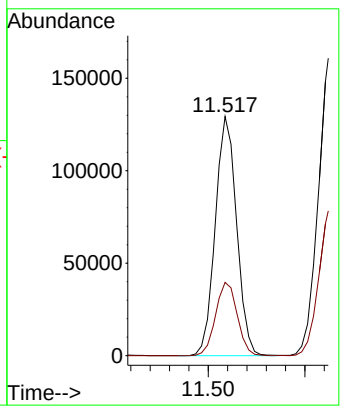


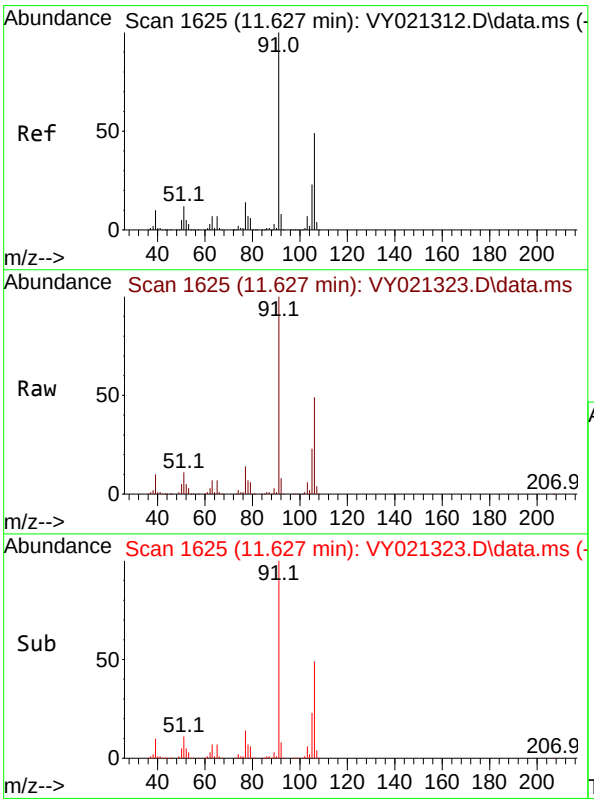
#67
Ethyl Benzene
Concen: 19.225 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 91 Resp: 197780

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.4	36.6

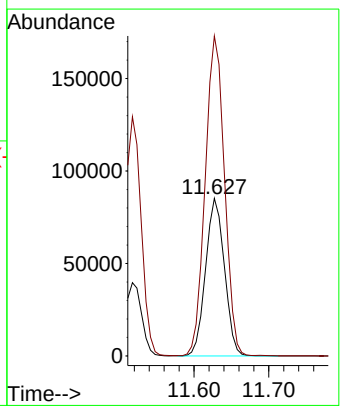


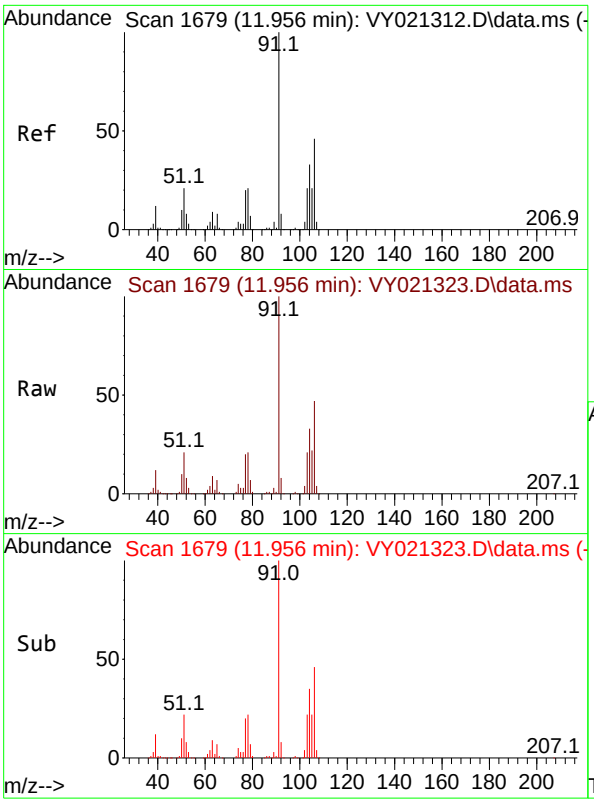


#68
m/p-Xylenes
Concen: 38.593 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:106 Resp: 149341

Ion	Ratio	Lower	Upper
106	100		
91	207.6	163.9	245.9



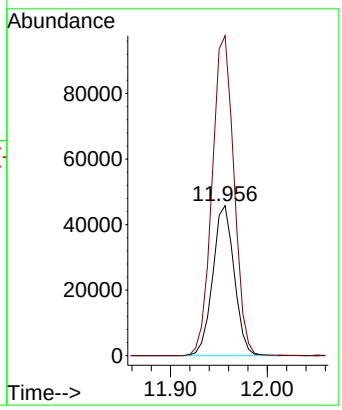


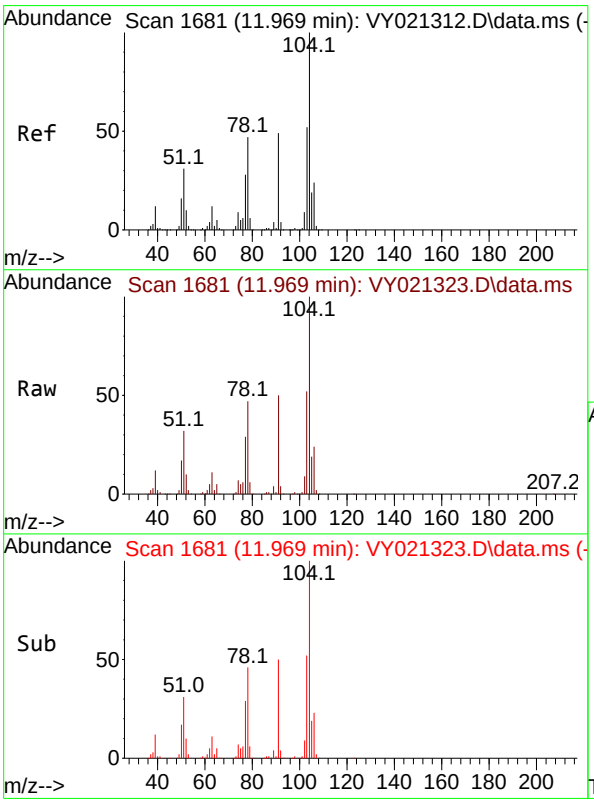
#69
o-Xylene
Concen: 19.444 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:106 Resp: 70486

Ion	Ratio	Lower	Upper
106	100		
91	217.8	108.1	324.2

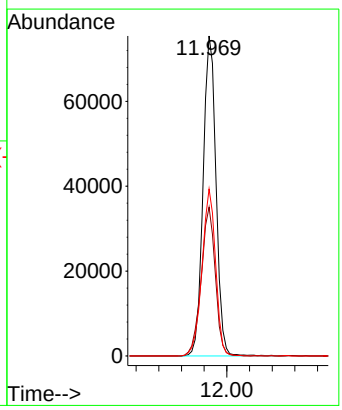


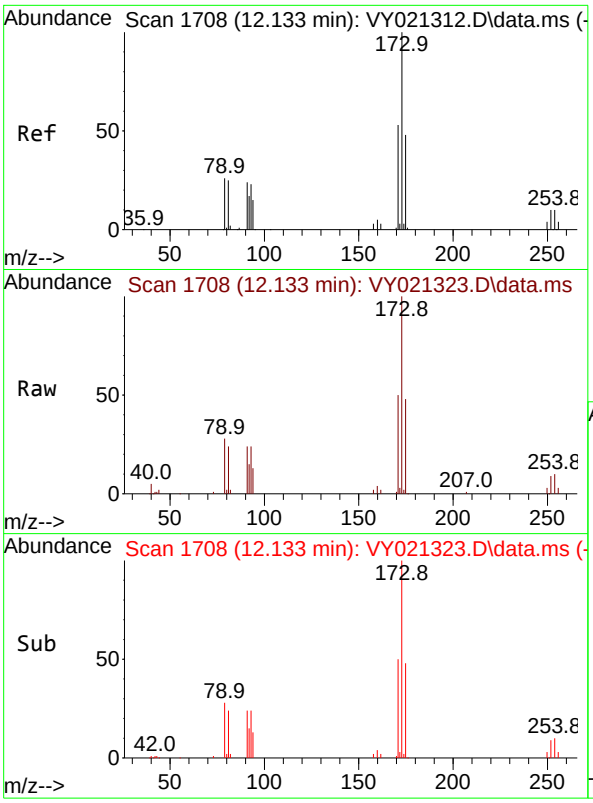


#70
Styrene
Concen: 19.791 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:104 Resp: 119367

Ion	Ratio	Lower	Upper
104	100		
78	50.6	41.3	61.9
103	54.9	43.9	65.9



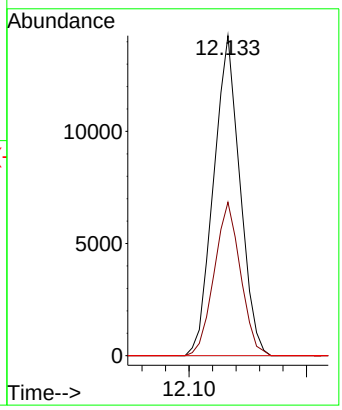


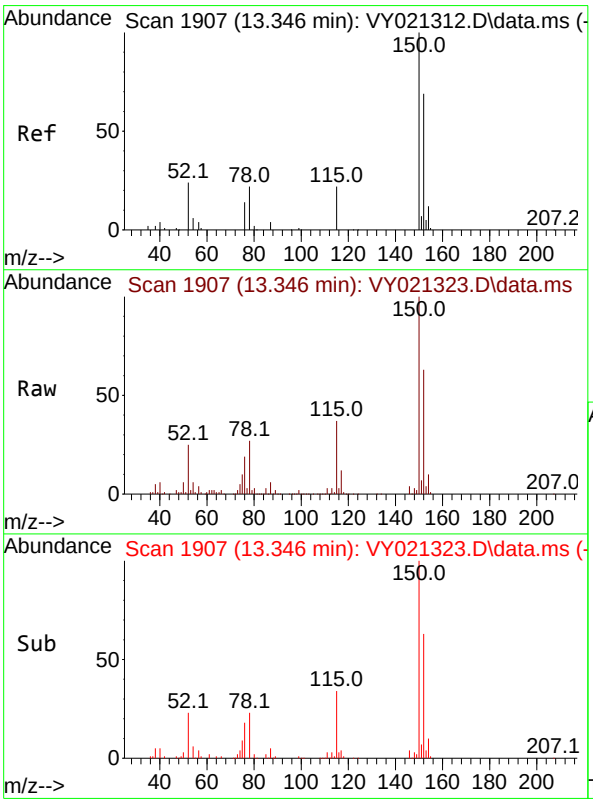
#71
Bromoform
Concen: 19.055 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:173 Resp: 22170

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.3
254	0.0	0.1	0.1#

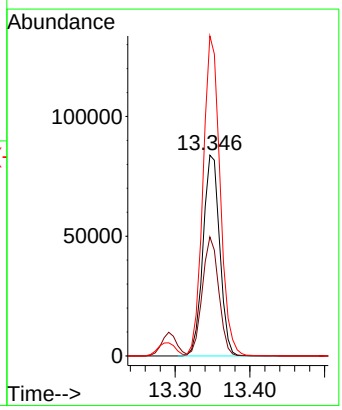


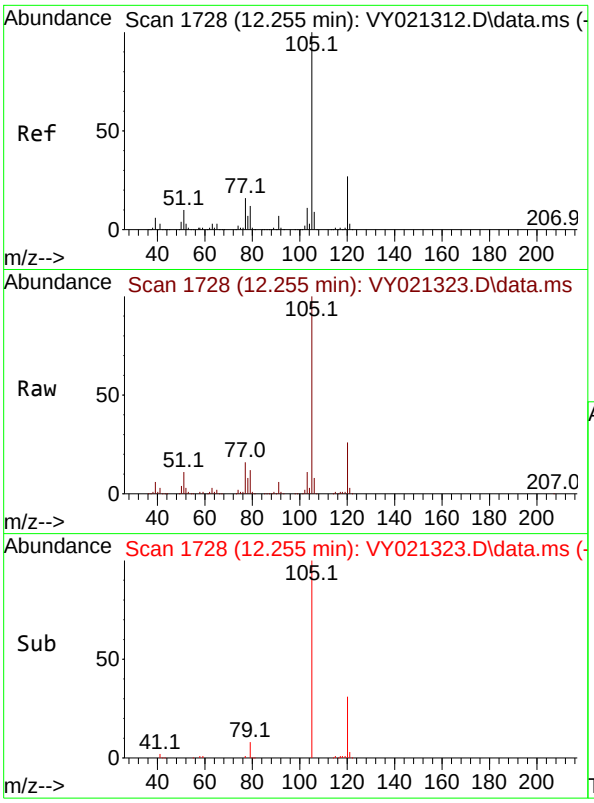


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:152 Resp: 129829

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.3	88.0
150	162.9	0.0	347.4



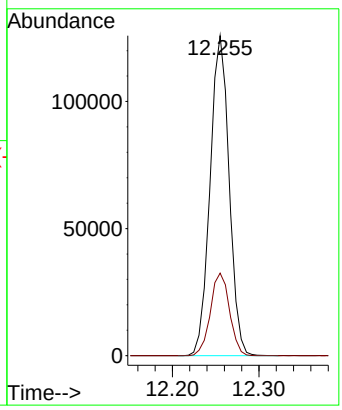


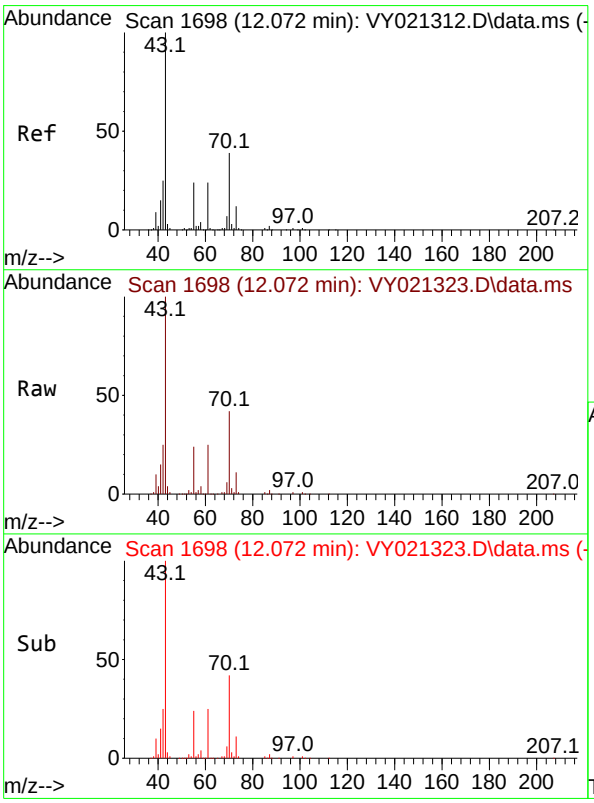
#73
Isopropylbenzene
Concen: 19.688 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:105 Resp: 192163

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.8

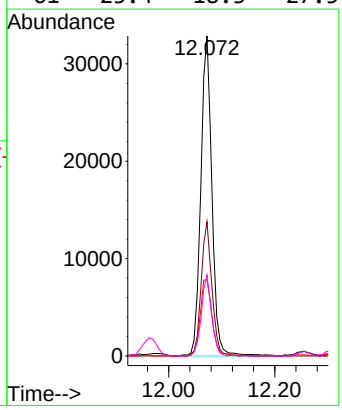


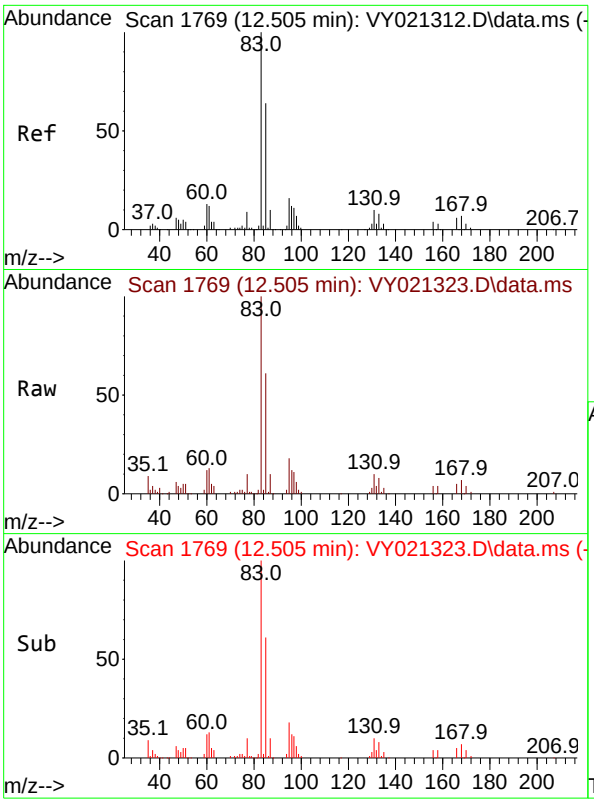


#74
N-amyl acetate
Concen: 19.319 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 43 Resp: 47929

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	25.5	19.6	29.4
61	23.4	18.3	27.5



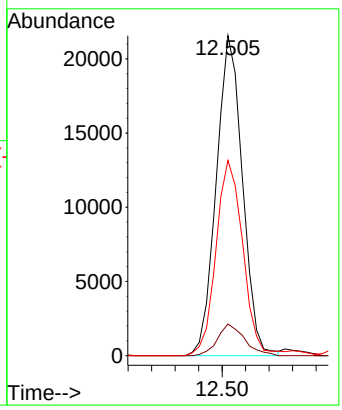


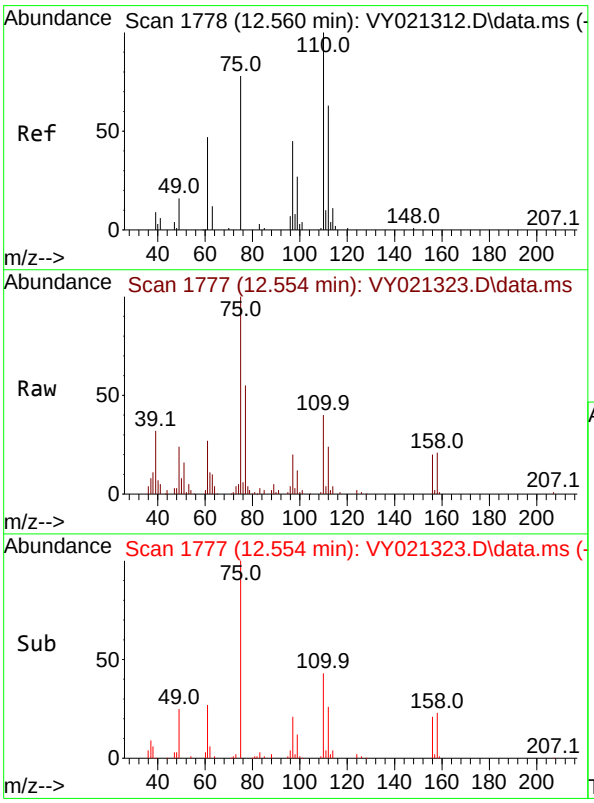
#75
1,1,2,2-Tetrachloroethane
Concen: 19.410 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 83 Resp: 33436

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	63.6	32.0	96.0

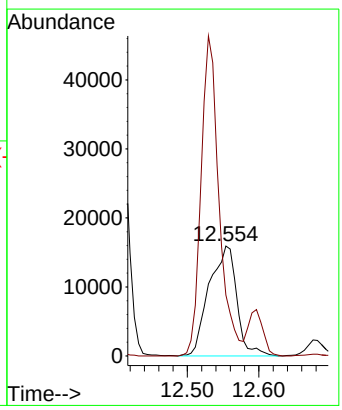


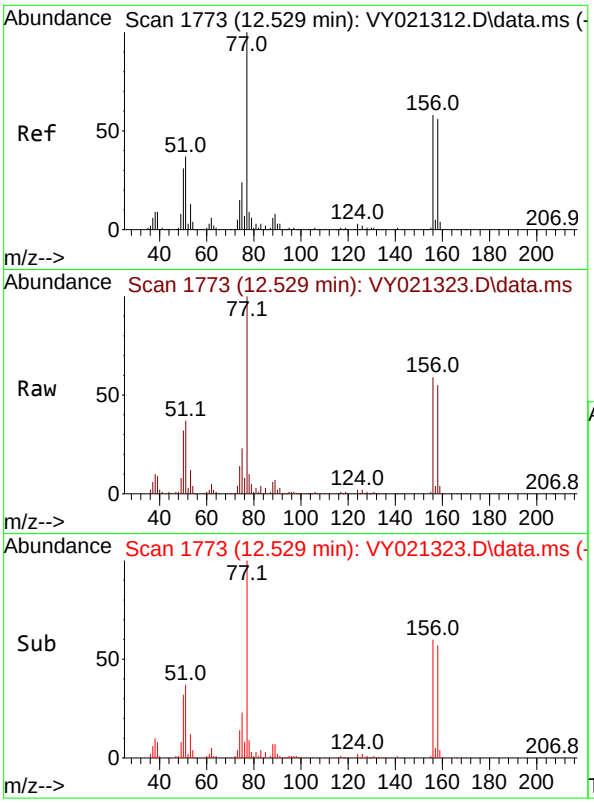


#76
1,2,3-Trichloropropane
Concen: 32.972 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 42848

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



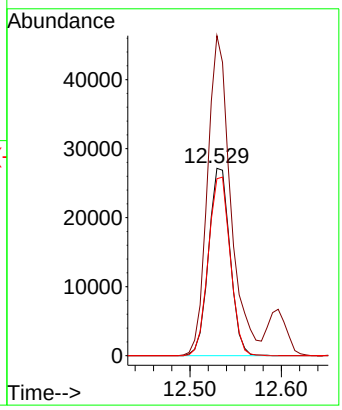


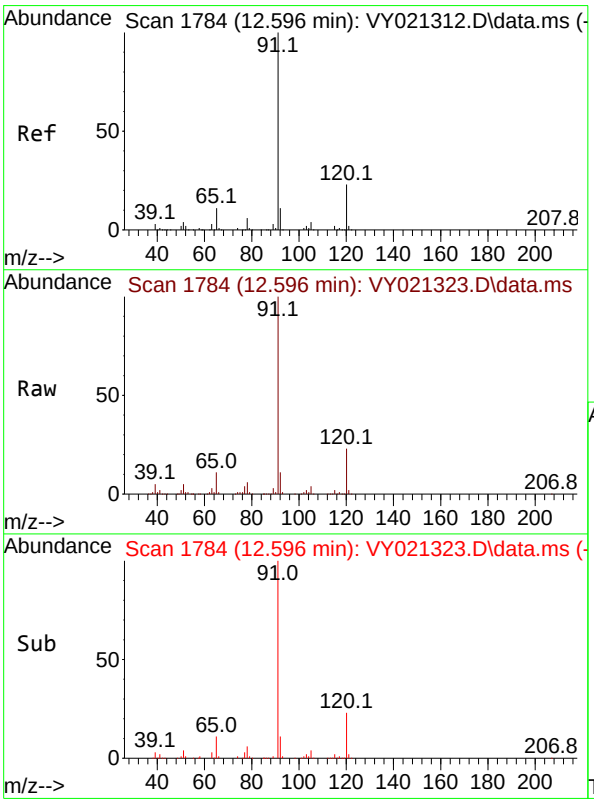
#77
Bromobenzene
Concen: 19.442 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:156 Resp: 44137

Ion	Ratio	Lower	Upper
156	100		
77	185.1	94.0	282.1
158	97.5	48.7	146.1

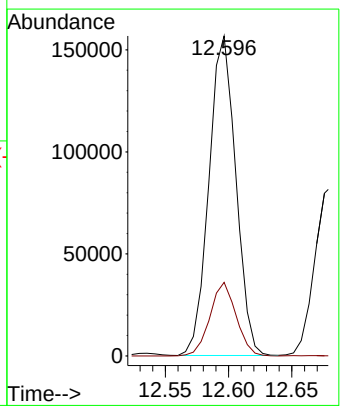


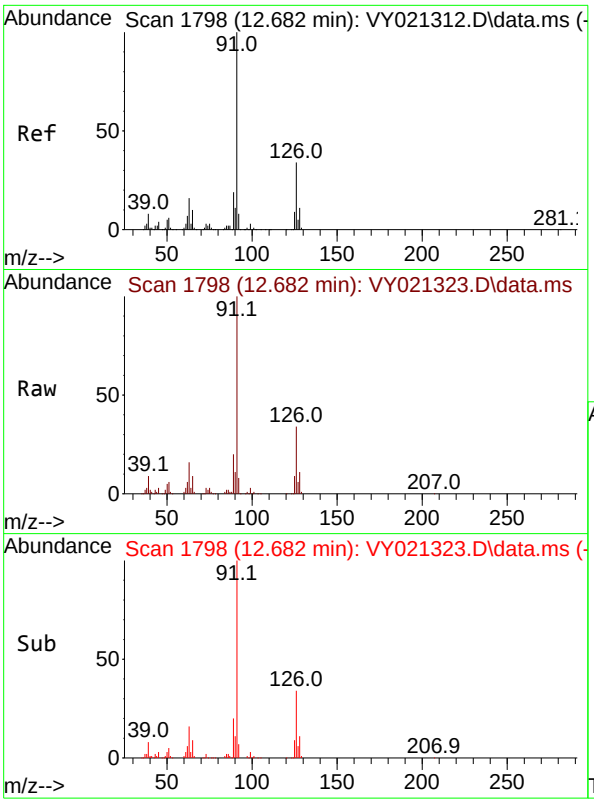


#78
n-propylbenzene
Concen: 19.547 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 231519

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5



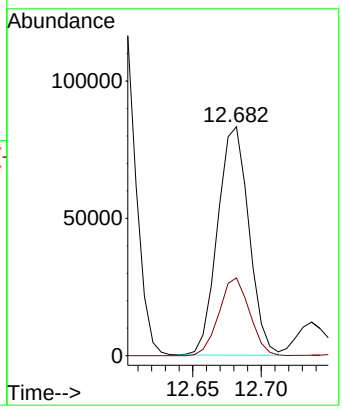


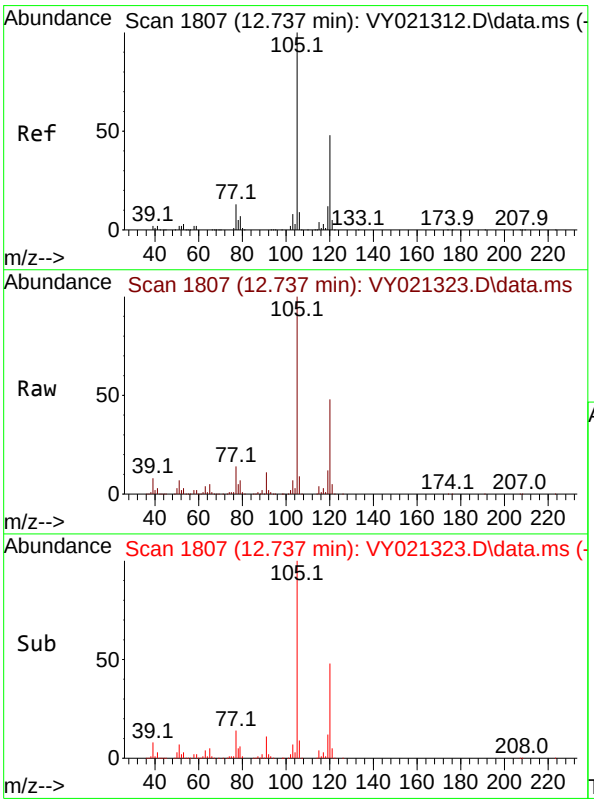
#79
2-Chlorotoluene
Concen: 19.457 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 91 Resp: 132259

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.9	50.6

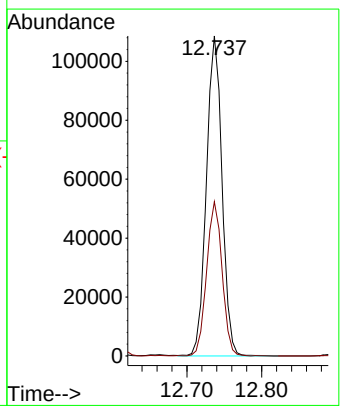


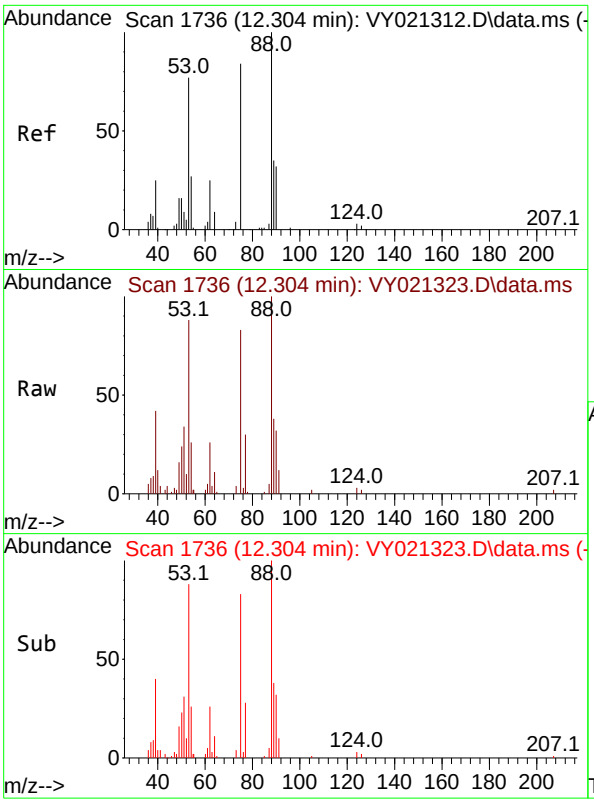


#80
1,3,5-Trimethylbenzene
Concen: 19.706 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:105 Resp: 157749

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.3	73.0



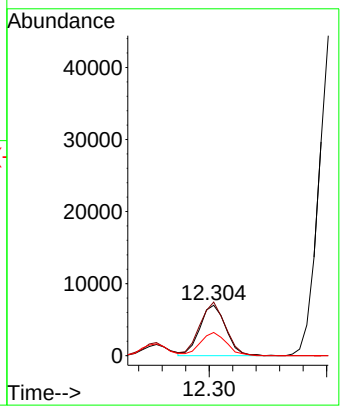


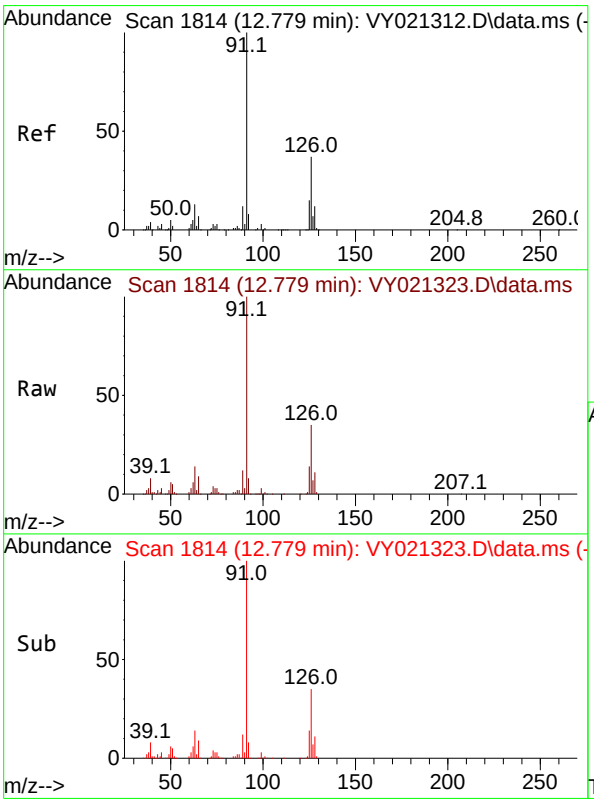
#81
trans-1,4-Dichloro-2-butene
Concen: 18.445 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 75 Resp: 10784

Ion	Ratio	Lower	Upper
75	100		
53	105.0	79.1	118.7
89	45.4	35.6	53.4

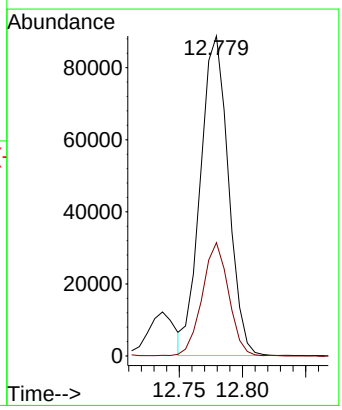


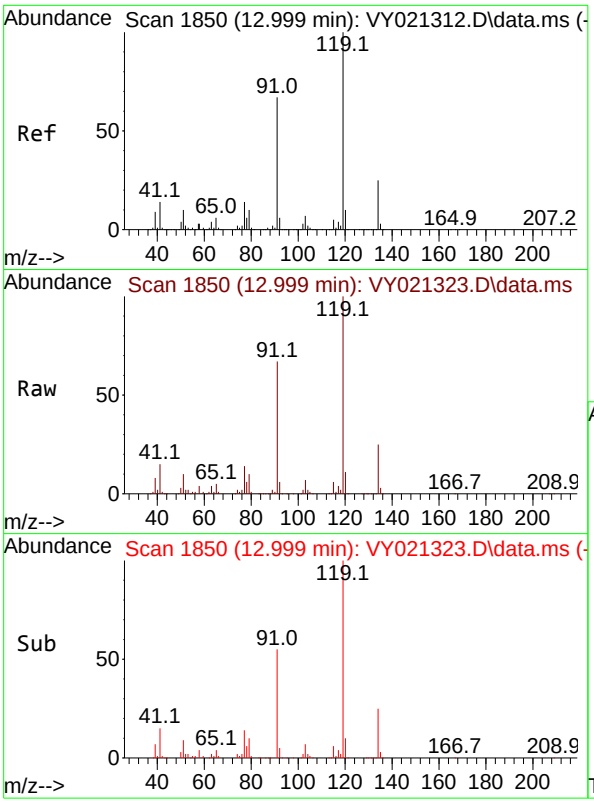


#82
4-Chlorotoluene
Concen: 19.394 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 91 Resp: 136654

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



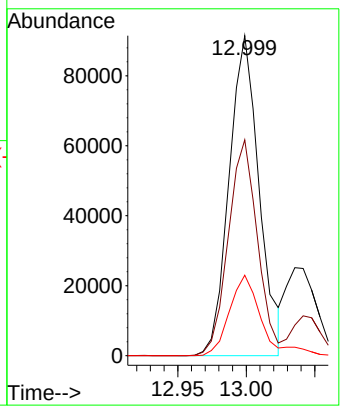


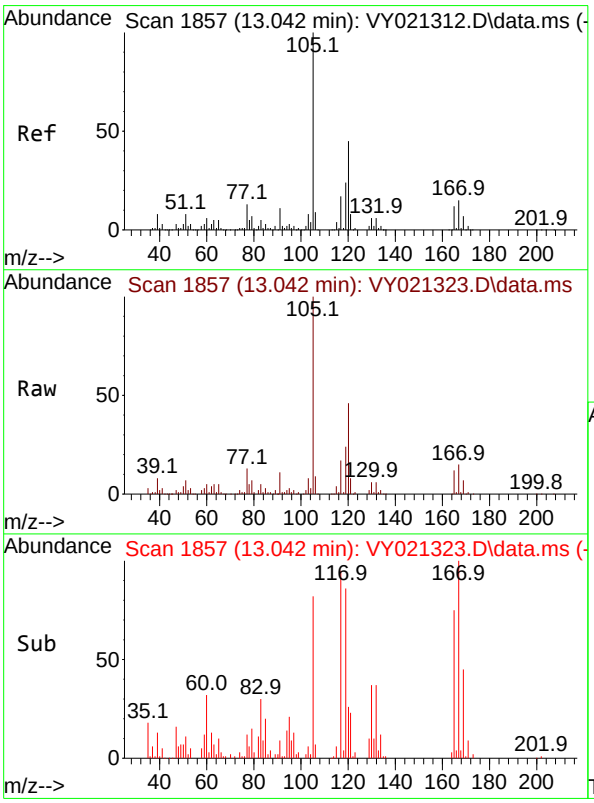
#83
tert-Butylbenzene
Concen: 19.288 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:119 Resp: 139478

Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.7	98.1
134	26.7	13.3	39.9

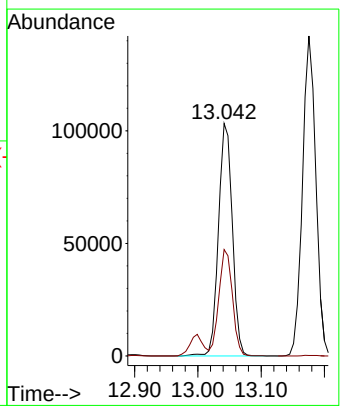


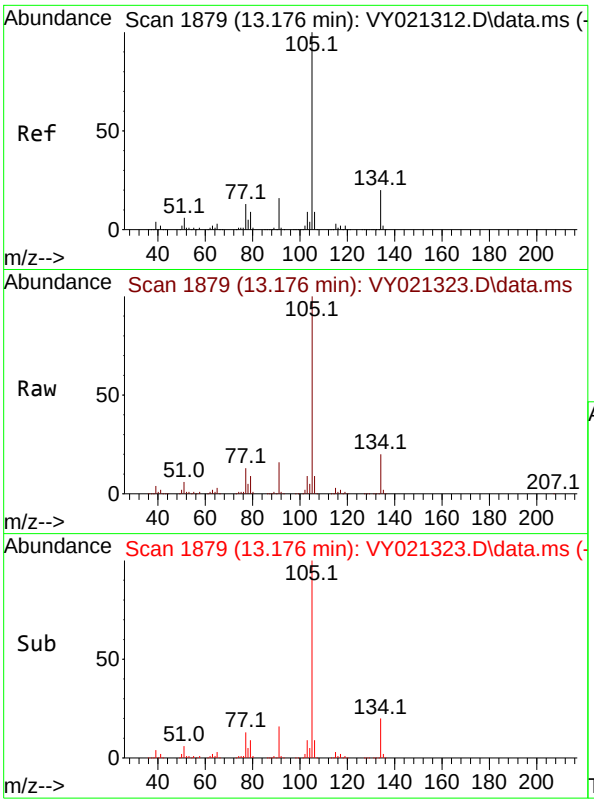


#84
1,2,4-Trimethylbenzene
Concen: 19.655 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:105 Resp: 156482

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.3



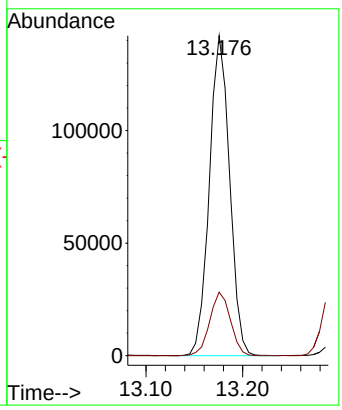


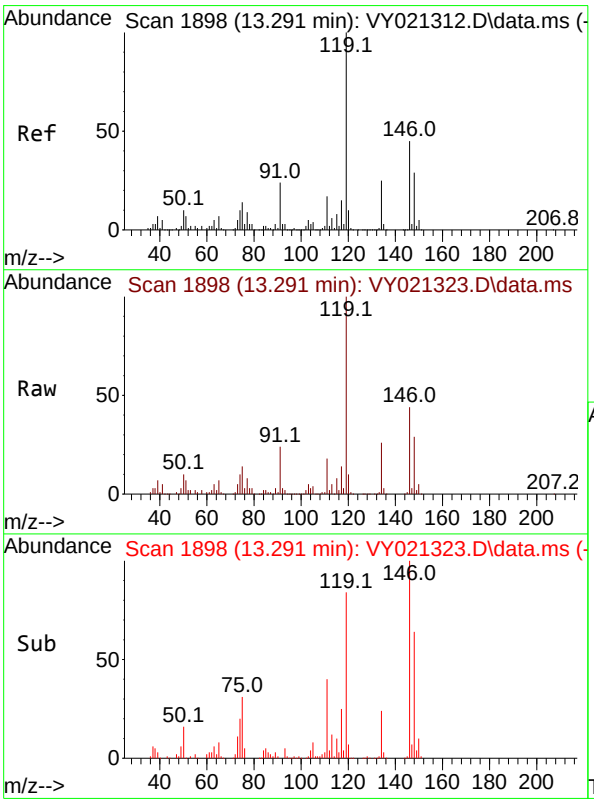
#85
sec-Butylbenzene
Concen: 19.613 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:105 Resp: 207160

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0

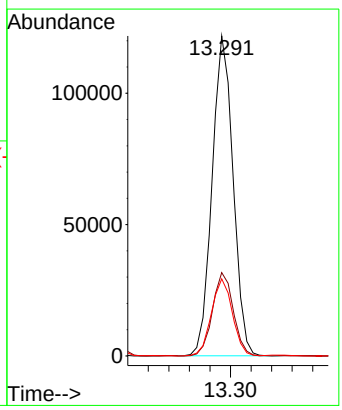


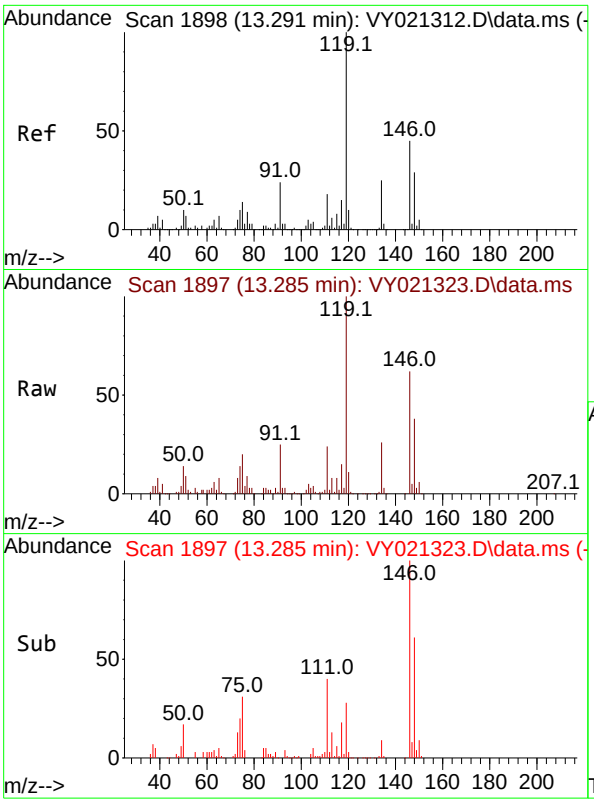


#86
p-Isopropyltoluene
Concen: 19.534 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:119 Resp: 172280

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.2	12.0	36.1



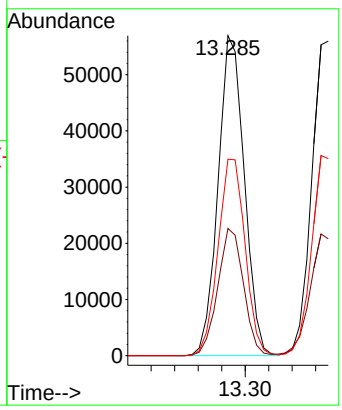


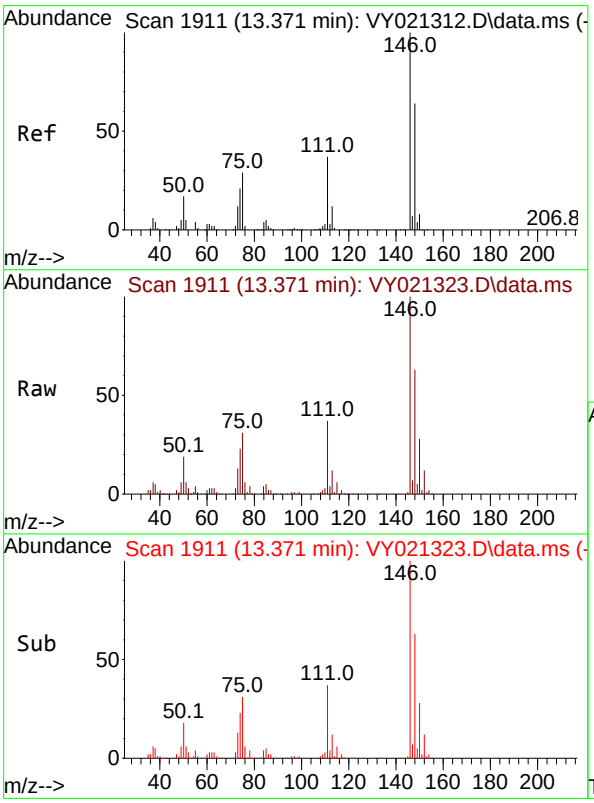
#87
1,3-Dichlorobenzene
Concen: 19.668 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:146 Resp: 88325

Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	59.9
148	63.4	31.9	95.9

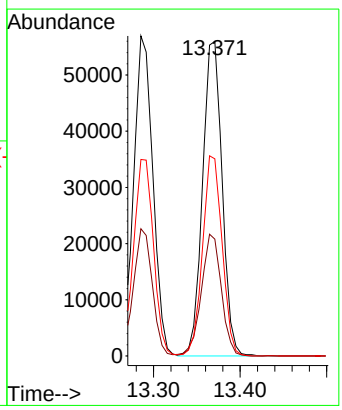


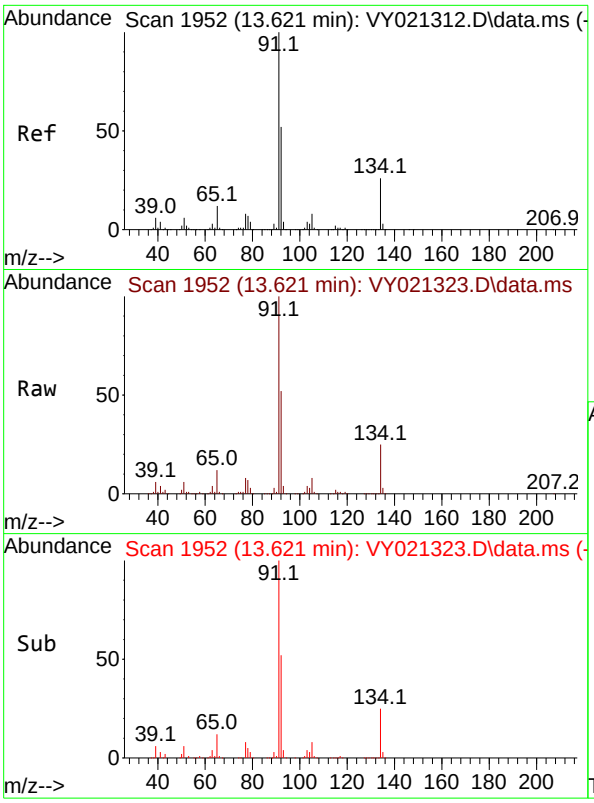


#88
1,4-Dichlorobenzene
Concen: 19.784 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:146 Resp: 87772

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	63.7	32.0	96.2



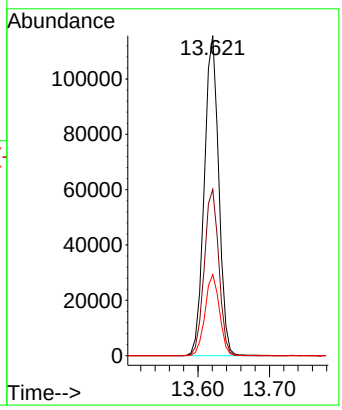


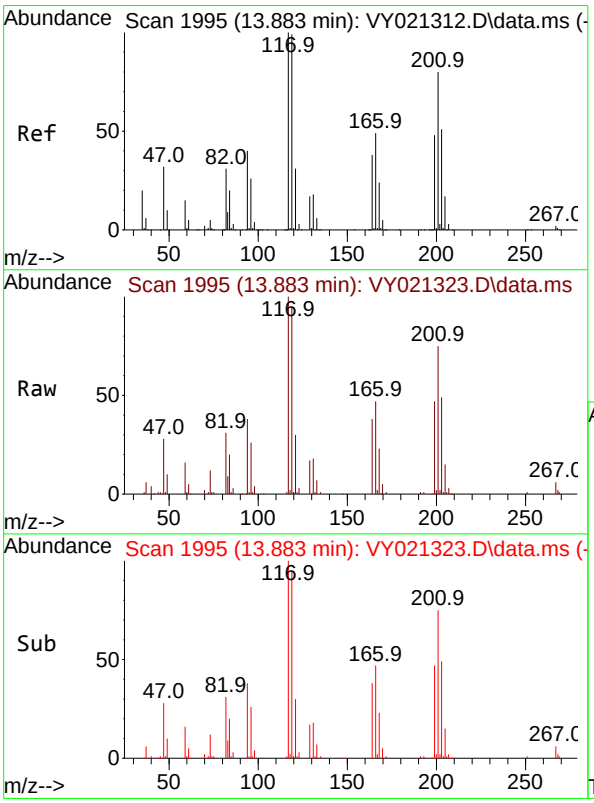
#89
n-Butylbenzene
Concen: 19.527 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion: 91 Resp: 162070

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.2
134	25.3	12.7	38.0

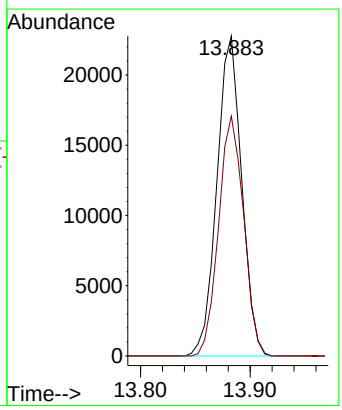


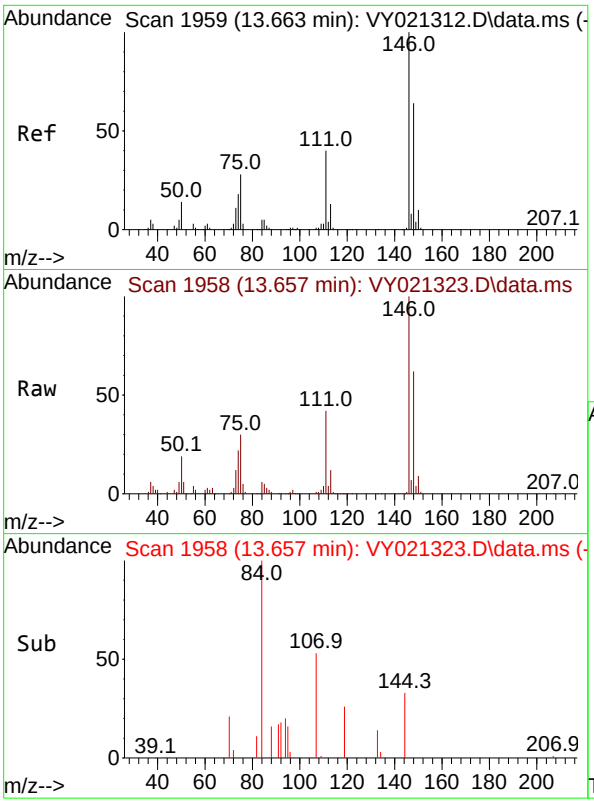


#90
Hexachloroethane
Concen: 19.411 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:117 Resp: 35761

Ion	Ratio	Lower	Upper
117	100		
201	75.8	38.4	115.2



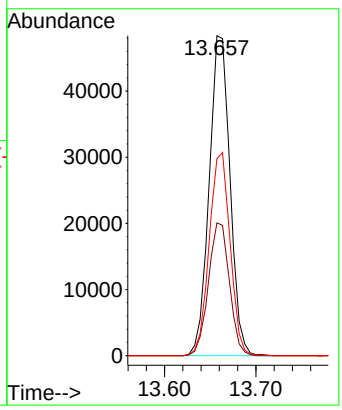


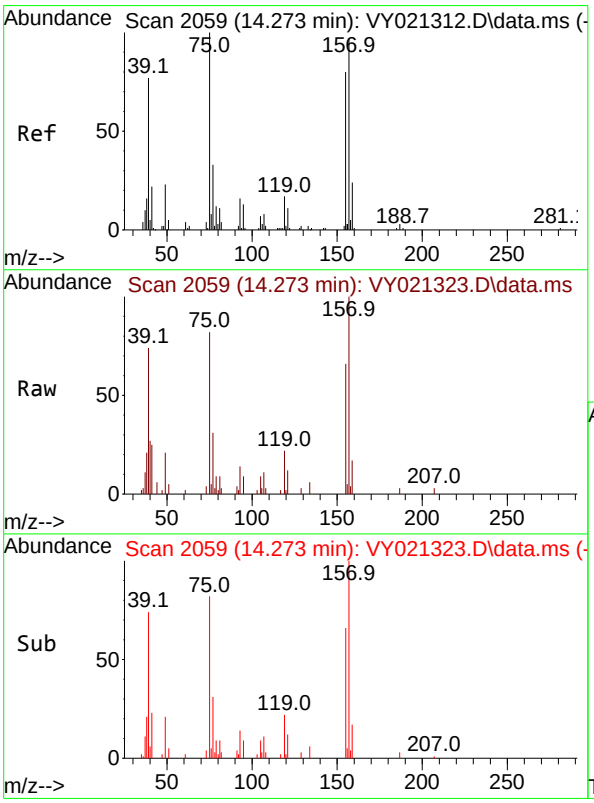
#91
1,2-Dichlorobenzene
Concen: 19.457 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:146 Resp: 76555

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.7	62.1
148	63.5	31.7	95.1

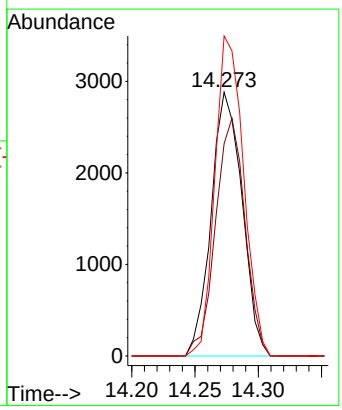


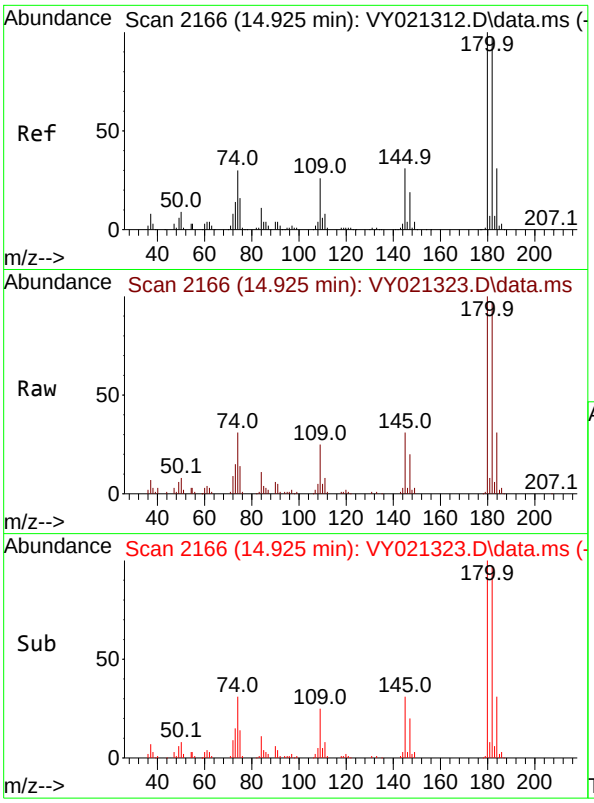


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.963 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion: 75 Resp: 4895

Ion	Ratio	Lower	Upper
75	100		
155	85.7	41.9	125.6
157	112.6	52.5	157.6



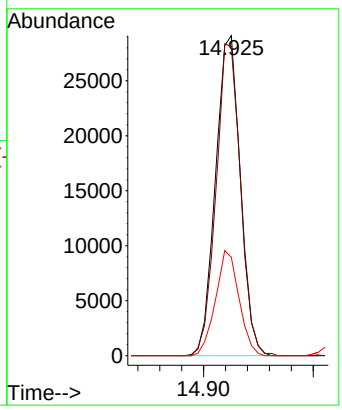


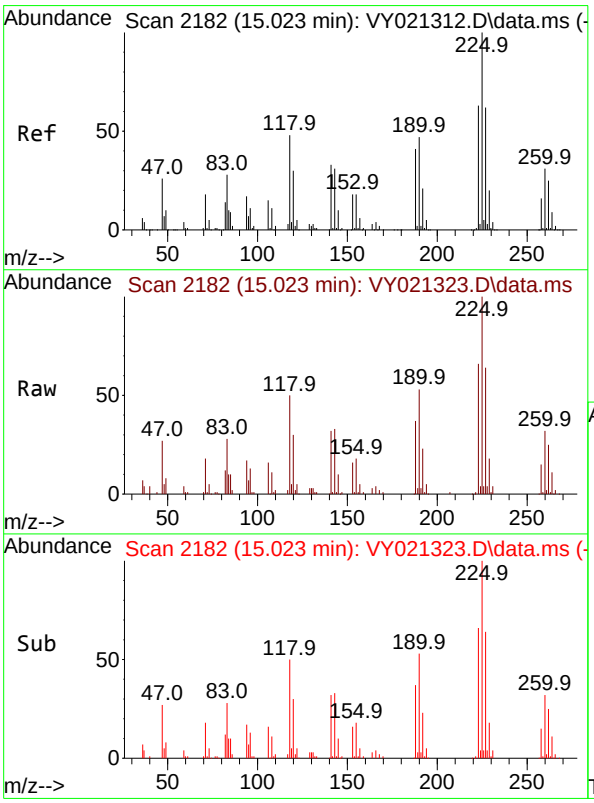
#93
1,2,4-Trichlorobenzene
Concen: 19.047 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:180 Resp: 45740

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	31.2	15.6	46.8

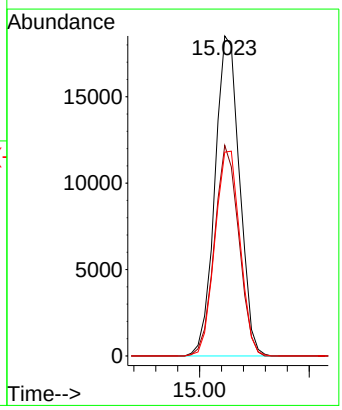


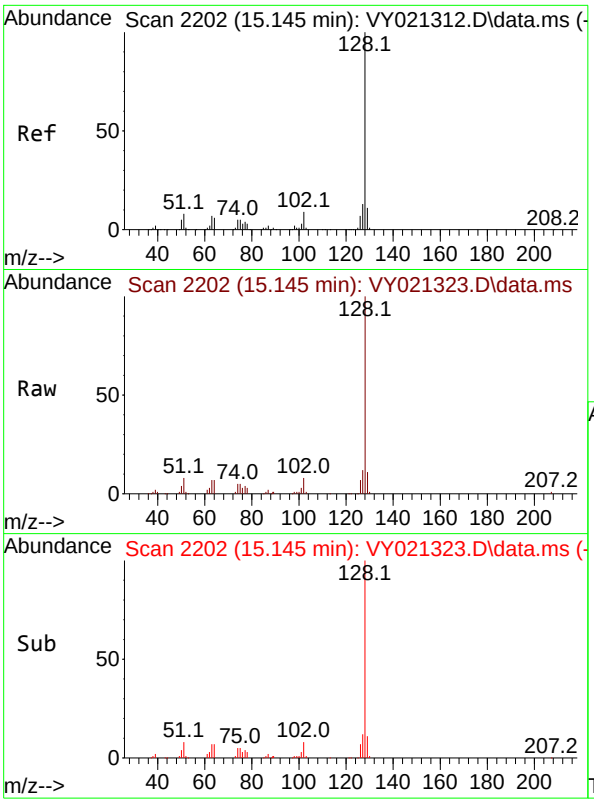


#94
Hexachlorobutadiene
Concen: 19.115 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:225 Resp: 28899

Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.8	95.4
227	65.4	31.9	95.7



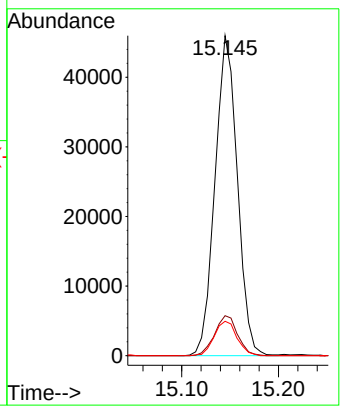


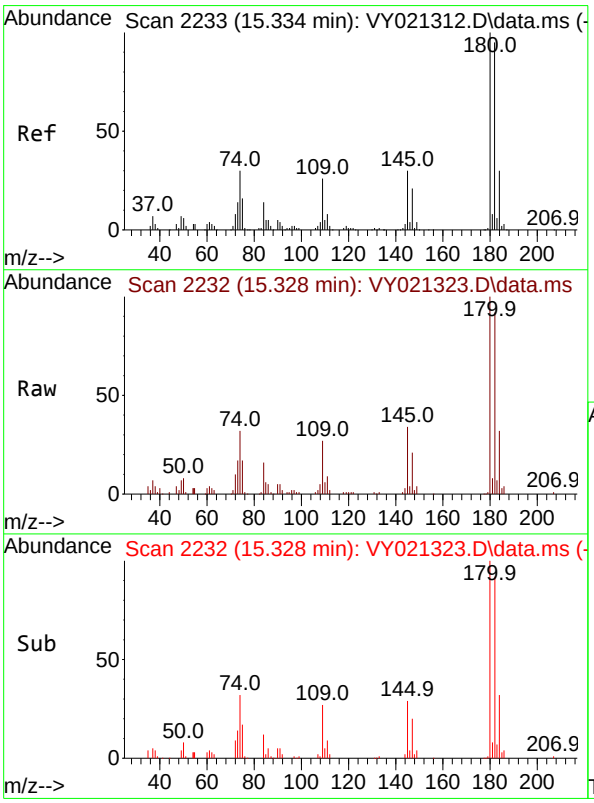
#95
Naphthalene
Concen: 18.532 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0226SBSD01

Tgt Ion:128 Resp: 73713

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	11.0	8.5	12.7

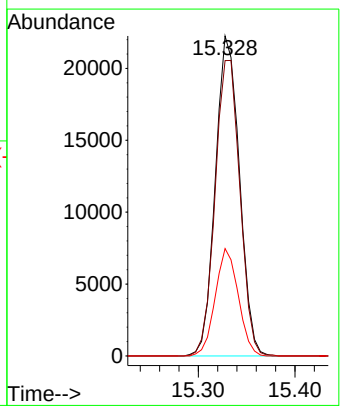




#96
1,2,3-Trichlorobenzene
Concen: 18.936 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021323.D
Acq: 26 Feb 2025 11:44

Tgt Ion:180 Resp: 38421

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.9
145	32.2	16.1	48.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	209132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	343428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	305969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110600	46.619	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.240%			
35) Dibromofluoromethane	7.634	113	102286	45.429	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.860%			
50) Toluene-d8	10.103	98	388525	44.650	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 89.300%			
62) 4-Bromofluorobenzene	12.408	95	131584	44.933	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	89202	44.987	ug/l	100
3) Chloromethane	2.068	50	118305	46.199	ug/l	100
4) Vinyl Chloride	2.202	62	120584	47.976	ug/l	98
5) Bromomethane	2.592	94	79891	47.832	ug/l	99
6) Chloroethane	2.733	64	78213	50.180	ug/l	98
7) Trichlorofluoromethane	3.056	101	182167	47.991	ug/l	98
8) Diethyl Ether	3.452	74	60683	53.265	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	103386	47.044	ug/l	99
10) Methyl Iodide	4.007	142	132681	57.386	ug/l	99
11) Tert butyl alcohol	4.854	59	42284	231.715	ug/l	99
12) 1,1-Dichloroethene	3.787	96	102196	48.566	ug/l	99
13) Acrolein	3.653	56	6424	45.939	ug/l	96
14) Allyl chloride	4.385	41	183341	49.143	ug/l	99
15) Acrylonitrile	5.055	53	130861	259.792	ug/l	99
16) Acetone	3.866	43	102355	224.914	ug/l	98
17) Carbon Disulfide	4.104	76	340079	48.671	ug/l	100
18) Methyl Acetate	4.385	43	59440	53.445	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	300902	54.123	ug/l	100
20) Methylene Chloride	4.616	84	118498	48.152	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	118319	51.077	ug/l	97
22) Diisopropyl ether	6.019	45	402879	52.185	ug/l	98
23) Vinyl Acetate	5.958	43	1195161	259.062	ug/l	100
24) 1,1-Dichloroethane	5.915	63	219734	50.498	ug/l	99
25) 2-Butanone	6.890	43	173965	253.286	ug/l	99
26) 2,2-Dichloropropane	6.884	77	170930	43.292	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	138734	52.447	ug/l	97
28) Bromochloromethane	7.244	49	93313	48.465	ug/l	97
29) Tetrahydrofuran	7.262	42	117269	261.209	ug/l	99
30) Chloroform	7.421	83	226821	51.443	ug/l	99
31) Cyclohexane	7.701	56	184463	44.101	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	200425	49.940	ug/l	98
36) 1,1-Dichloropropene	7.835	75	158713	46.928	ug/l	99
37) Ethyl Acetate	6.982	43	82433	48.999	ug/l	99
38) Carbon Tetrachloride	7.817	117	178448	46.933	ug/l	99
39) Methylcyclohexane	9.109	83	191242	44.707	ug/l	99
40) Benzene	8.079	78	488113	48.823	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	50830	54.039 ug/l	93
42) 1,2-Dichloroethane	8.158	62	143731	50.672 ug/l	99
43) Isopropyl Acetate	8.195	43	162361	49.861 ug/l	99
44) Trichloroethene	8.866	130	120825	48.271 ug/l	99
45) 1,2-Dichloropropane	9.140	63	117257	48.736 ug/l	99
46) Dibromomethane	9.231	93	66414	50.499 ug/l	99
47) Bromodichloromethane	9.420	83	175634	50.086 ug/l	98
48) Methyl methacrylate	9.219	41	77080	50.619 ug/l	97
49) 1,4-Dioxane	9.225	88	14855	1015.844 ug/l #	93
51) 4-Methyl-2-Pentanone	10.000	43	425033	254.988 ug/l	99
52) Toluene	10.170	92	307967	49.585 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	159678	49.701 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	183344	48.340 ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	87133	50.858 ug/l	99
56) Ethyl methacrylate	10.438	69	127215	53.738 ug/l	98
57) 1,3-Dichloropropane	10.713	76	152781	50.818 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	292101	257.068 ug/l	99
59) 2-Hexanone	10.755	43	285133	260.462 ug/l	99
60) Dibromochloromethane	10.908	129	118508	50.788 ug/l	99
61) 1,2-Dibromoethane	11.012	107	82050	50.586 ug/l	98
64) Tetrachloroethene	10.646	164	108193	46.783 ug/l	99
65) Chlorobenzene	11.444	112	331937	48.330 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	118595	49.313 ug/l	100
67) Ethyl Benzene	11.518	91	585231	48.106 ug/l	100
68) m/p-Xylenes	11.627	106	441830	96.556 ug/l	100
69) o-Xylene	11.956	106	212382	49.544 ug/l	100
70) Styrene	11.969	104	357830	50.170 ug/l	100
71) Bromoform	12.133	173	68887	50.071 ug/l	99
73) Isopropylbenzene	12.255	105	548496	49.240 ug/l	100
74) N-amyl acetate	12.072	43	146735	51.825 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	98641	50.176 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	128720	86.792 ug/l #	100
77) Bromobenzene	12.530	156	130762	50.469 ug/l	98
78) n-propylbenzene	12.597	91	647434	47.897 ug/l	99
79) 2-Chlorotoluene	12.676	91	381569	49.187 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	448101	49.048 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	31668	47.460 ug/l	97
82) 4-Chlorotoluene	12.773	91	392065	48.755 ug/l	99
83) tert-Butylbenzene	12.999	119	405401	49.124 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	449054	49.422 ug/l	99
85) sec-Butylbenzene	13.176	105	564734	46.848 ug/l	99
86) p-Isopropyltoluene	13.292	119	477095	47.399 ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	247228	48.238 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	241313	47.661 ug/l	99
89) n-Butylbenzene	13.615	91	431776	45.583 ug/l	100
90) Hexachloroethane	13.883	117	97989	46.606 ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	218493	48.659 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15872	51.037 ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	127534	46.535 ug/l	99
94) Hexachlorobutadiene	15.023	225	74574	43.221 ug/l	99
95) Naphthalene	15.145	128	230889	50.863 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	109952	47.484 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

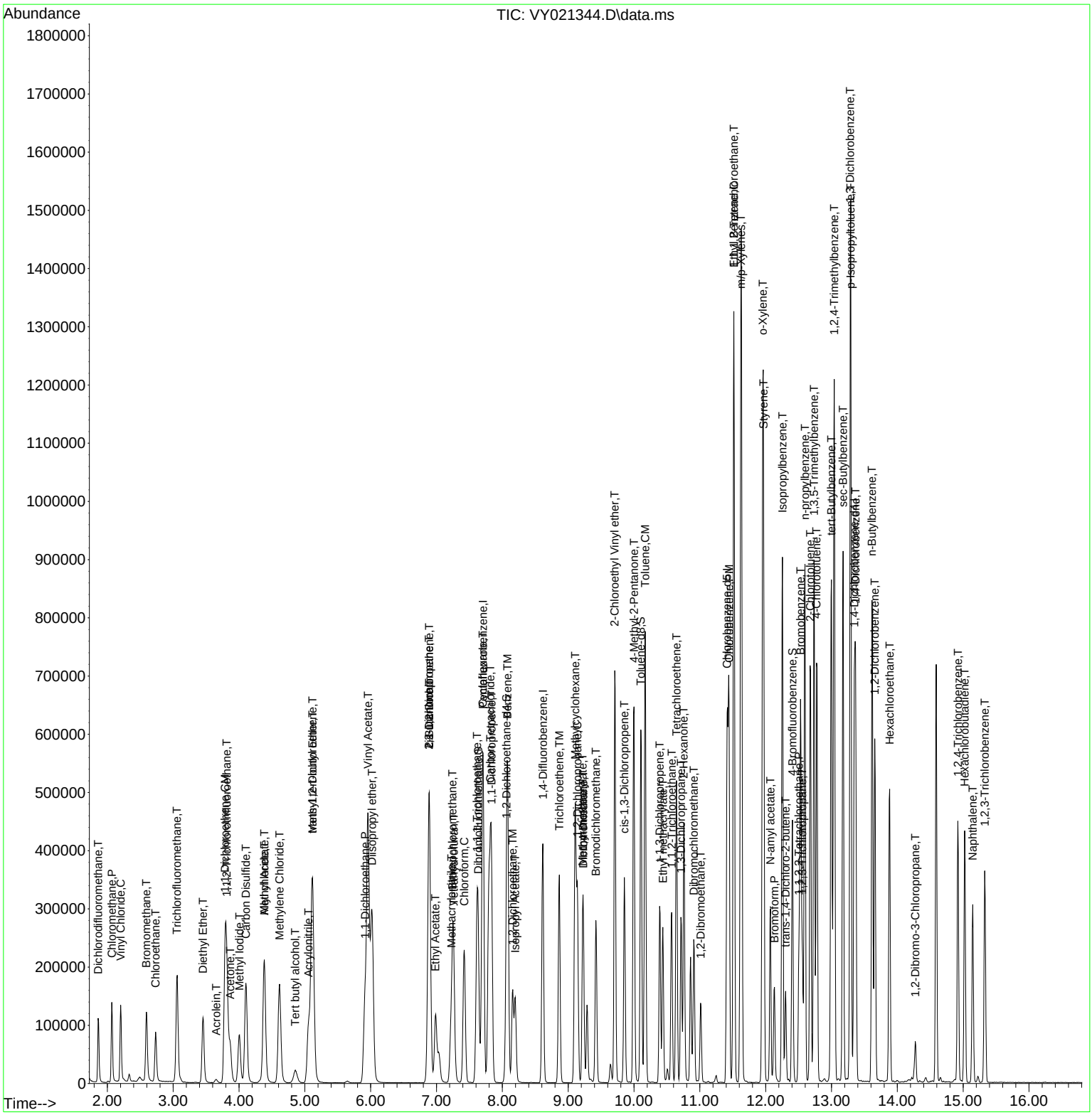
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

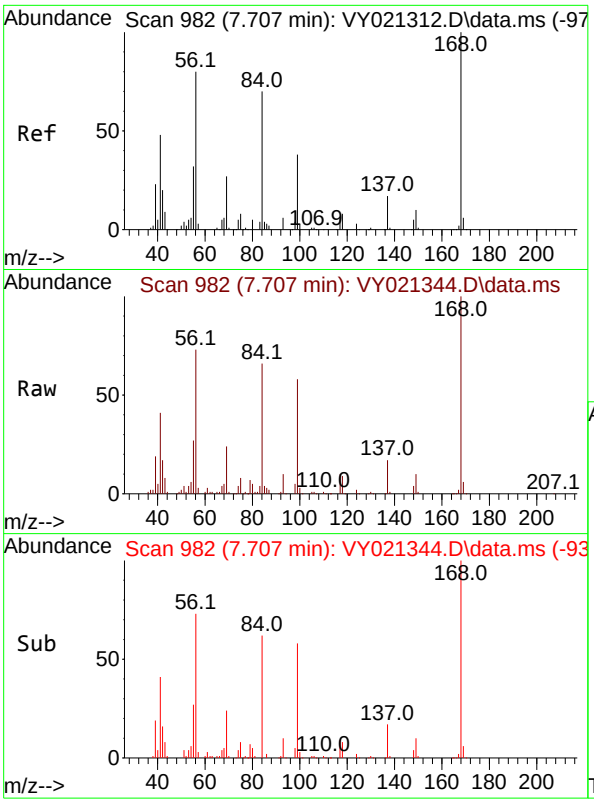
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
Data File : VY021344.D
Acq On : 26 Feb 2025 20:06
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 27 00:45:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration



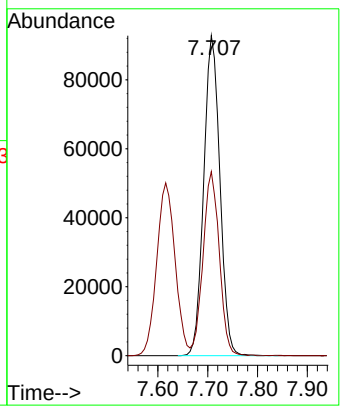


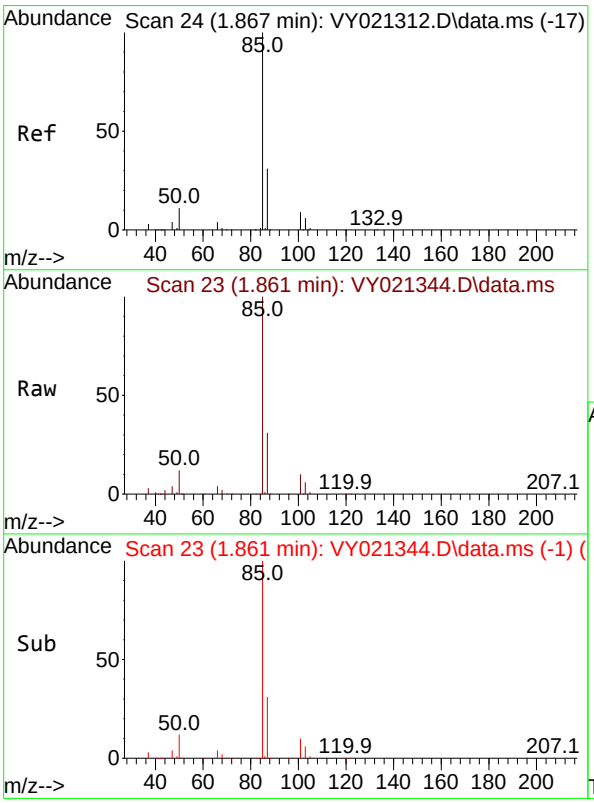
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 209132

Ion	Ratio	Lower	Upper
168	100		
99	57.4	47.1	70.7

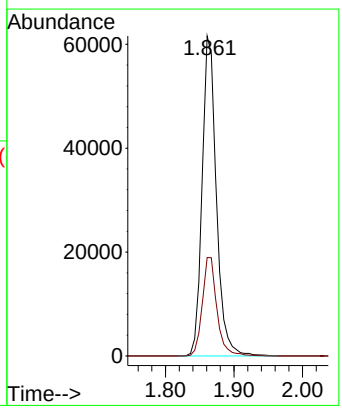


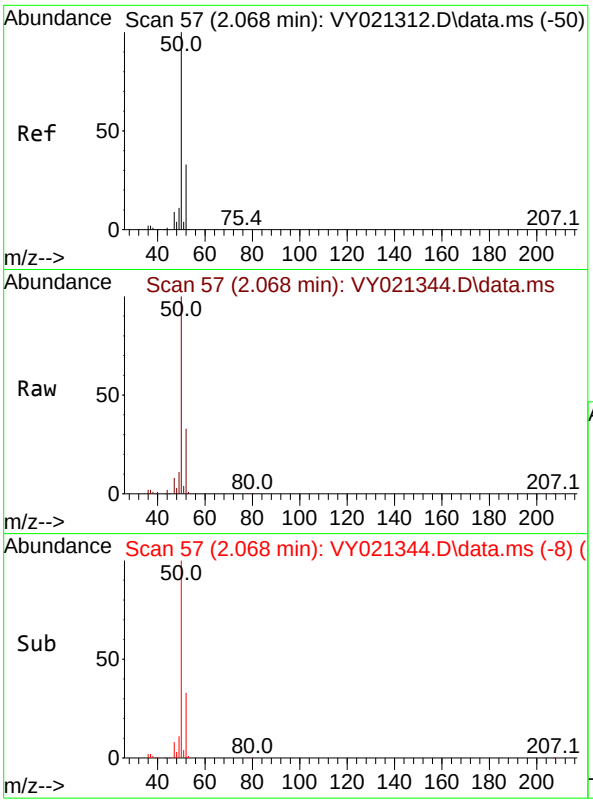


#2
Dichlorodifluoromethane
Concen: 44.987 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 85 Resp: 89202

Ion	Ratio	Lower	Upper
85	100		
87	30.7	15.4	46.4



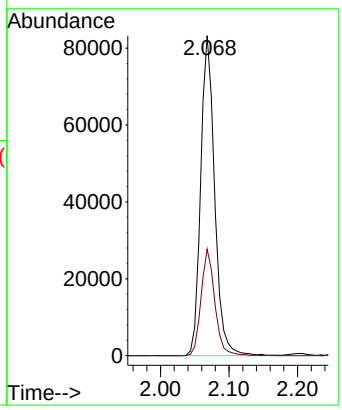


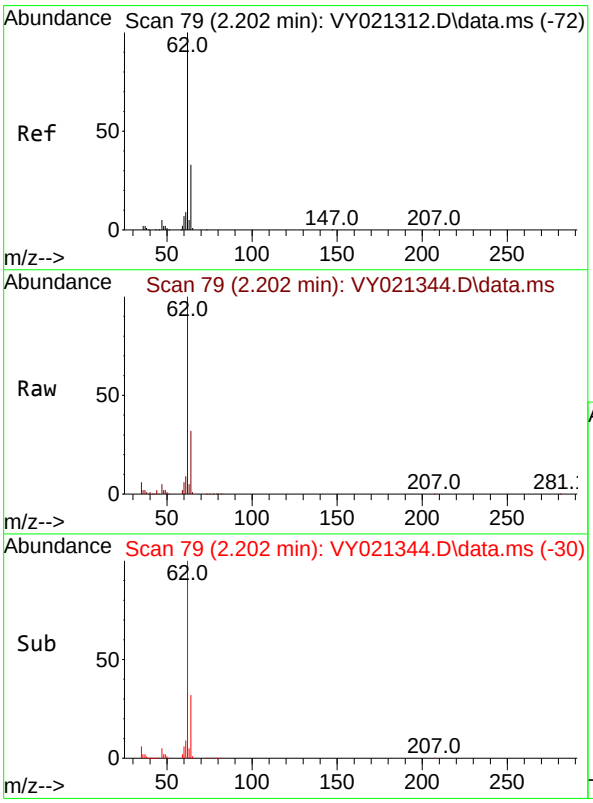
#3
Chloromethane
Concen: 46.199 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 118305

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0

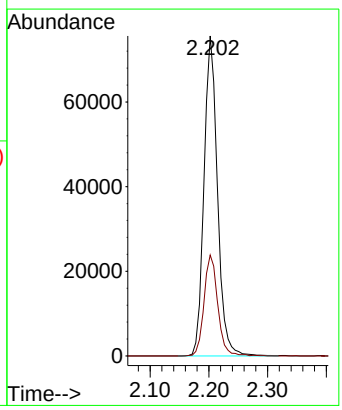


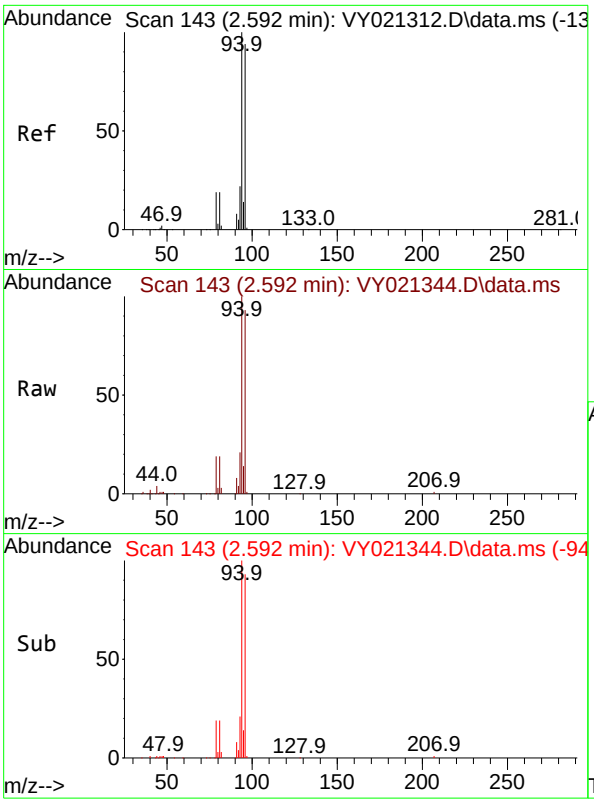


#4
Vinyl Chloride
Concen: 47.976 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 62 Resp: 120584

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.3	39.5



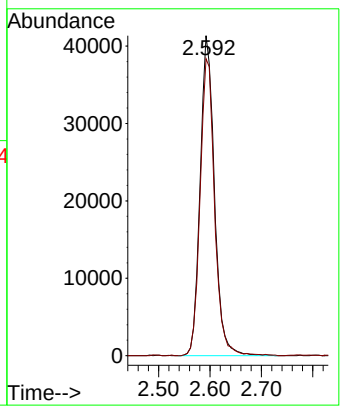


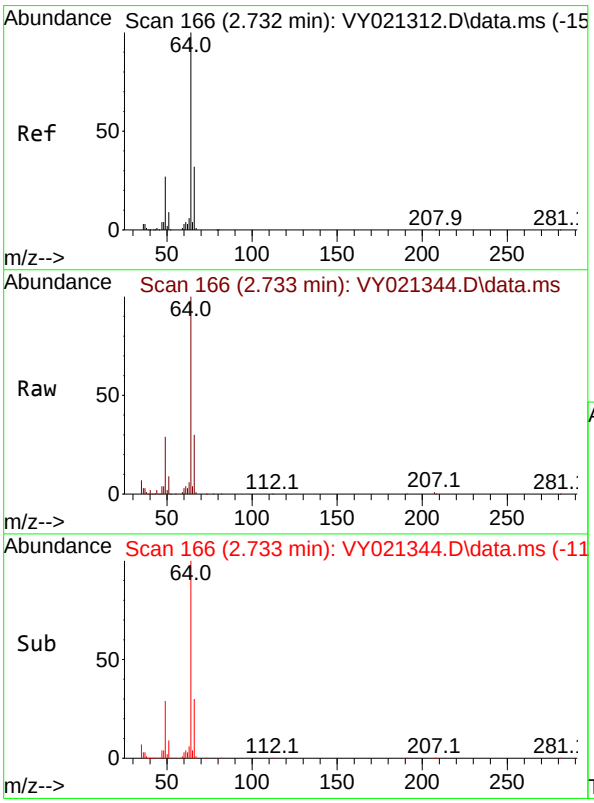
#5
Bromomethane
Concen: 47.832 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 79891

Ion	Ratio	Lower	Upper
94	100		
96	92.8	75.2	112.8

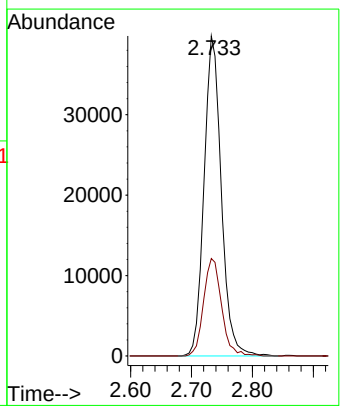


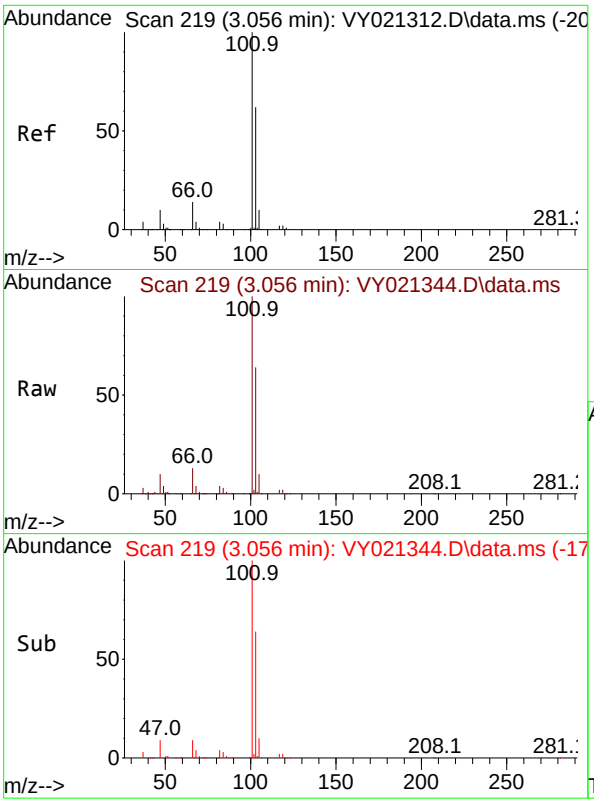


#6
Chloroethane
Concen: 50.180 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 64 Resp: 78213

Ion	Ratio	Lower	Upper
64	100		
66	30.4	25.4	38.0



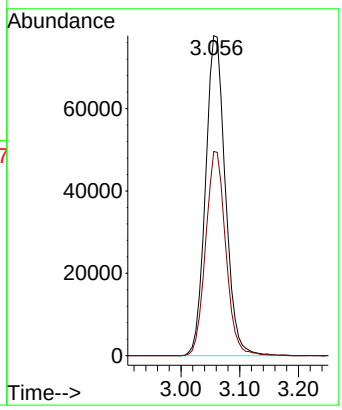


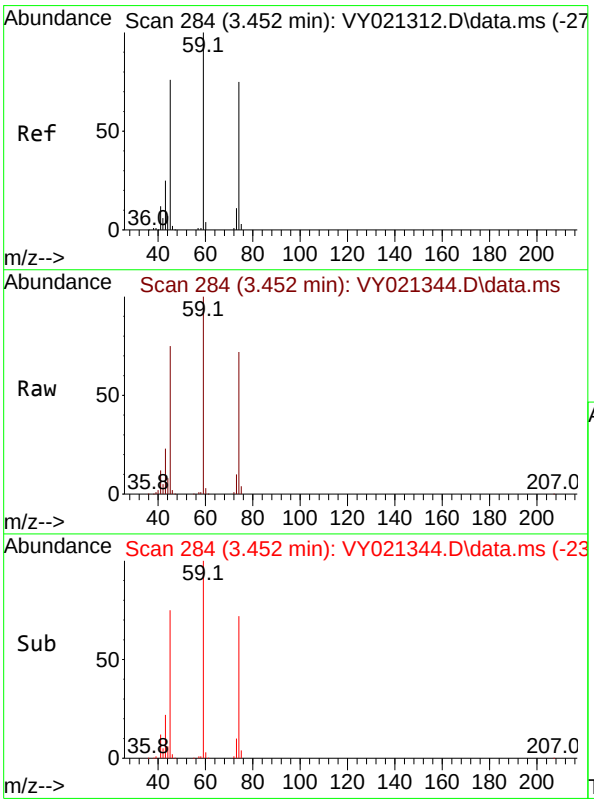
#7
Trichlorofluoromethane
Concen: 47.991 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 182167

Ion	Ratio	Lower	Upper
101	100		
103	63.8	49.7	74.5

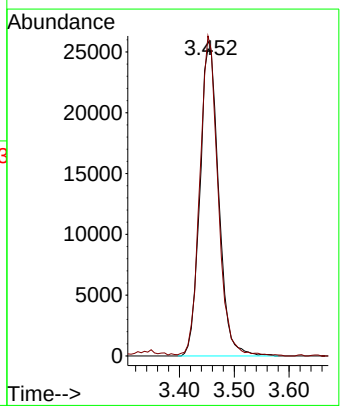


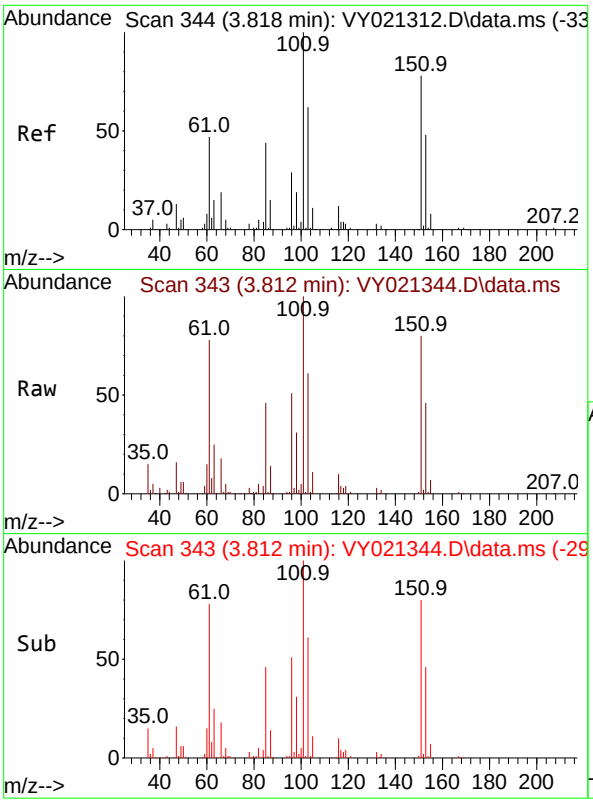


#8
Diethyl Ether
Concen: 53.265 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 74 Resp: 60683

Ion	Ratio	Lower	Upper
74	100		
45	99.3	50.3	150.9



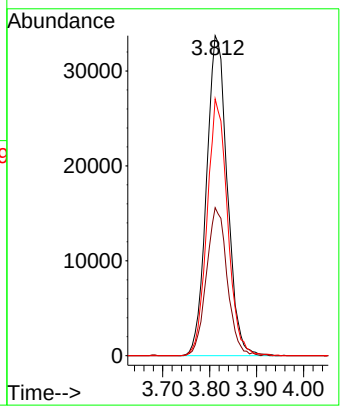


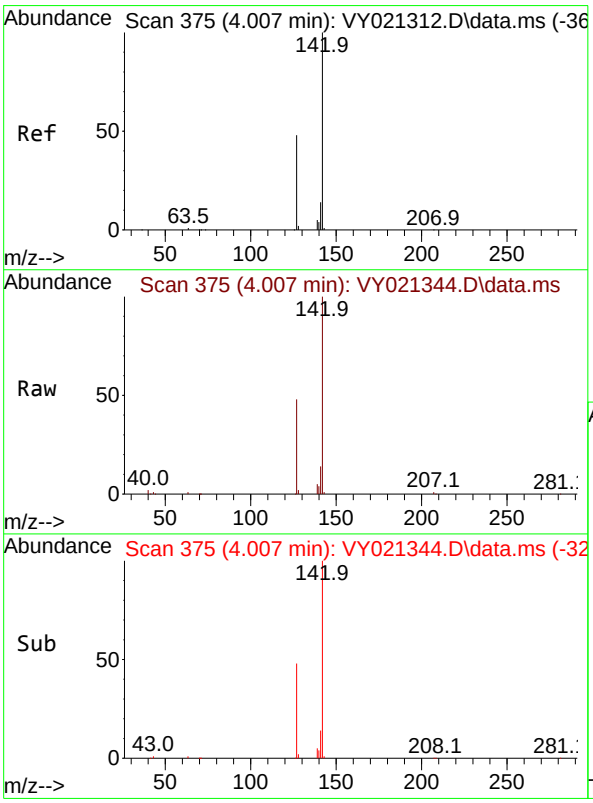
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.044 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 103386

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.7	55.1
151	79.0	62.6	94.0

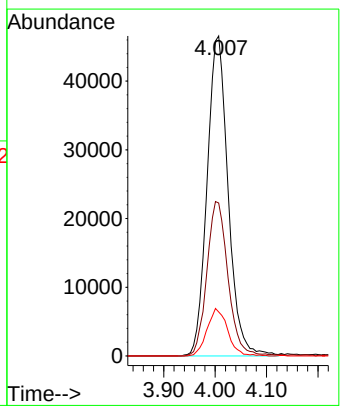


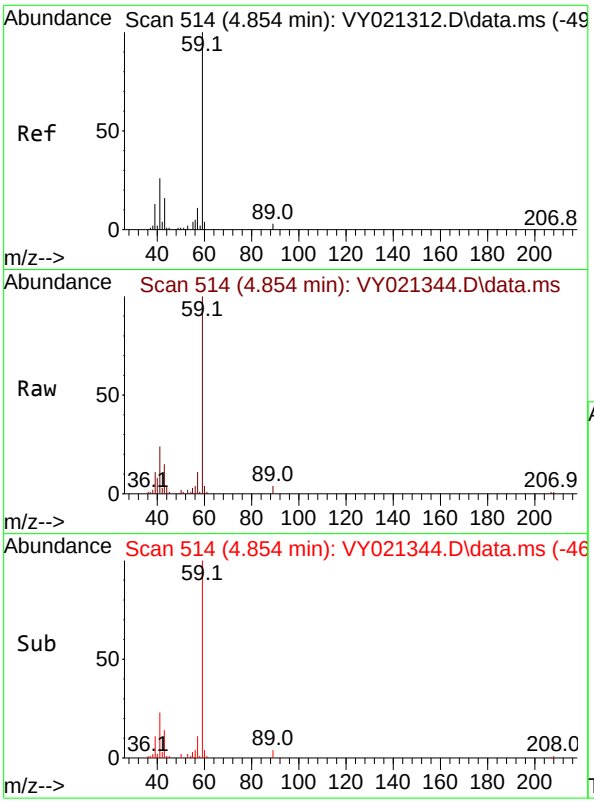


#10
Methyl Iodide
Concen: 57.386 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:142 Resp: 132681

Ion	Ratio	Lower	Upper
142	100		
127	48.5	39.2	58.8
141	14.5	11.4	17.2



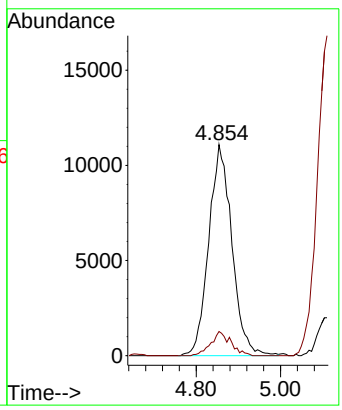


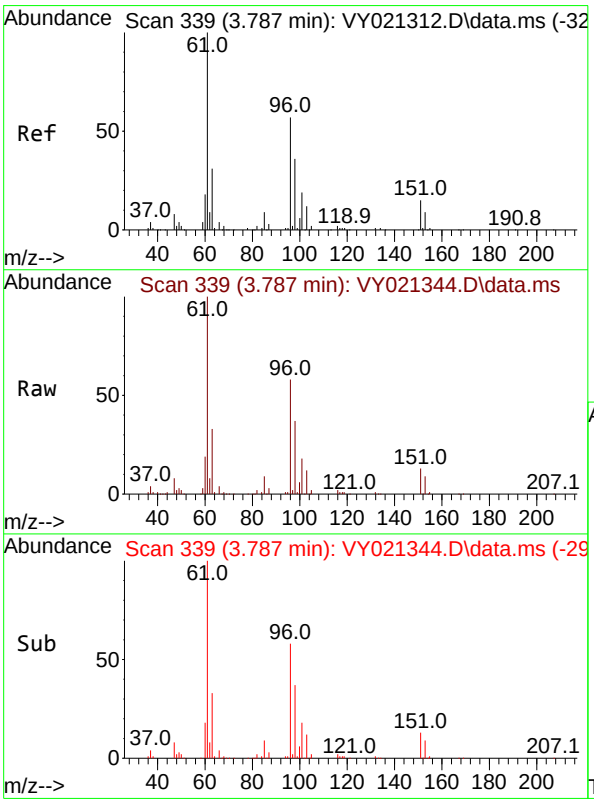
#11
Tert butyl alcohol
Concen: 231.715 ug/l
RT: 4.854 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 42284

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

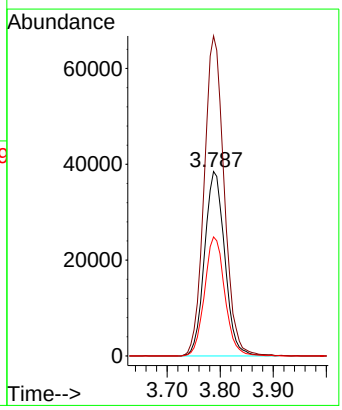


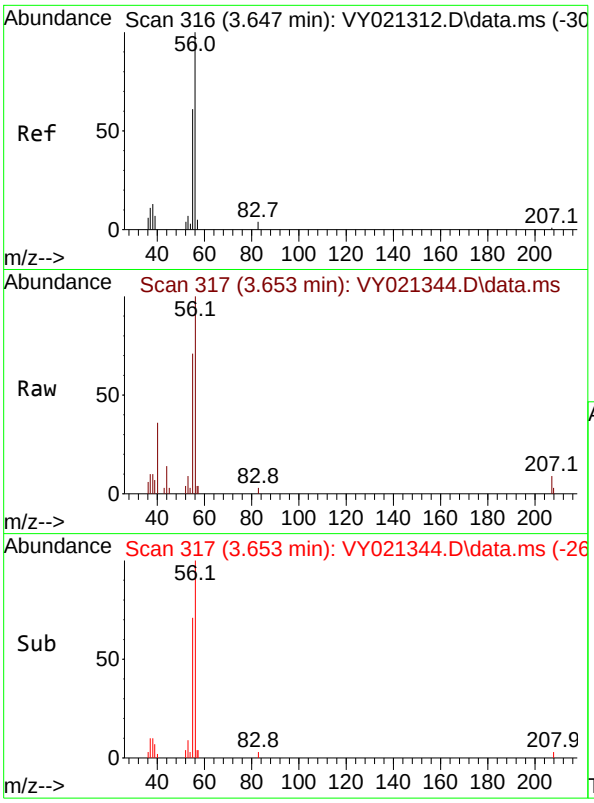


#12
1,1-Dichloroethene
Concen: 48.566 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 96 Resp: 102196

Ion	Ratio	Lower	Upper
96	100		
61	173.5	139.7	209.5
98	64.6	49.7	74.5



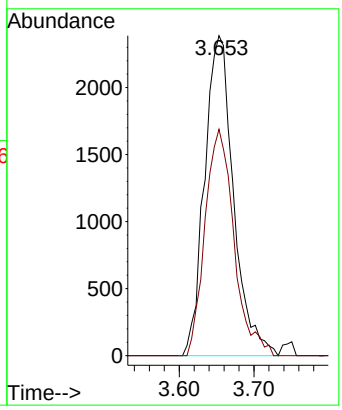


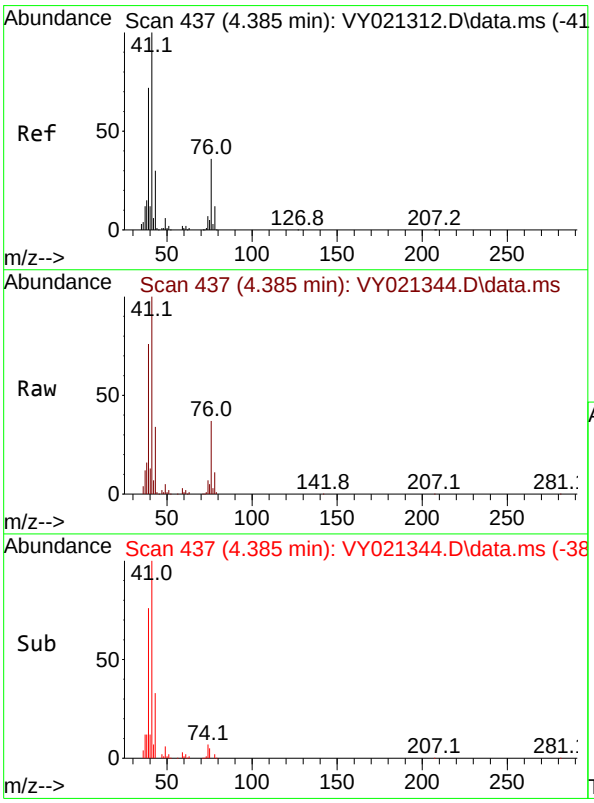
#13
Acrolein
Concen: 45.939 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 6424

Ion	Ratio	Lower	Upper
56	100		
55	70.7	59.0	88.6

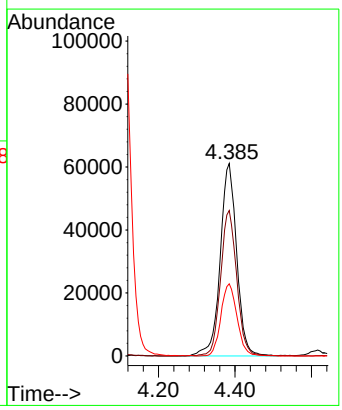


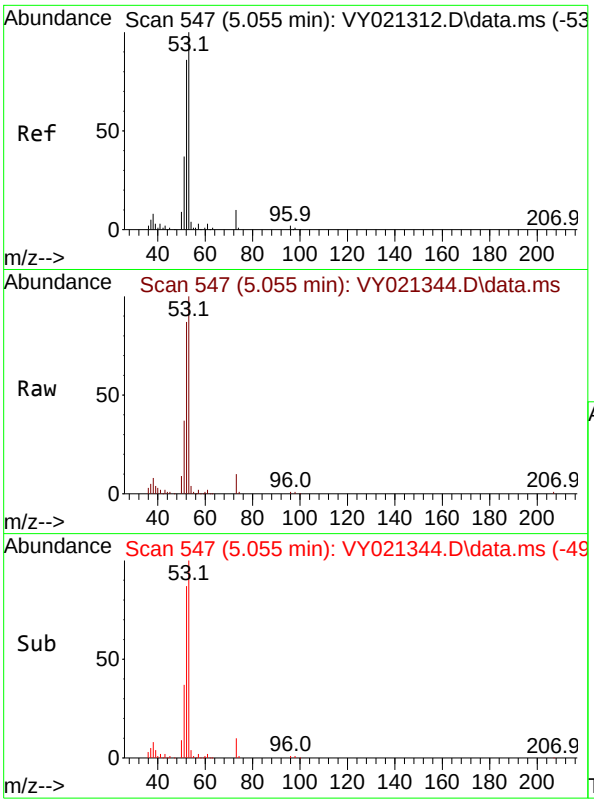


#14
Allyl chloride
Concen: 49.143 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 183341

Ion	Ratio	Lower	Upper
41	100		
39	74.0	60.0	90.0
76	36.6	29.0	43.6



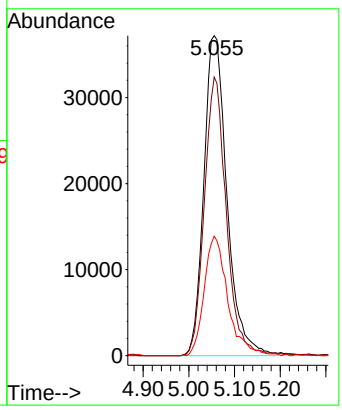


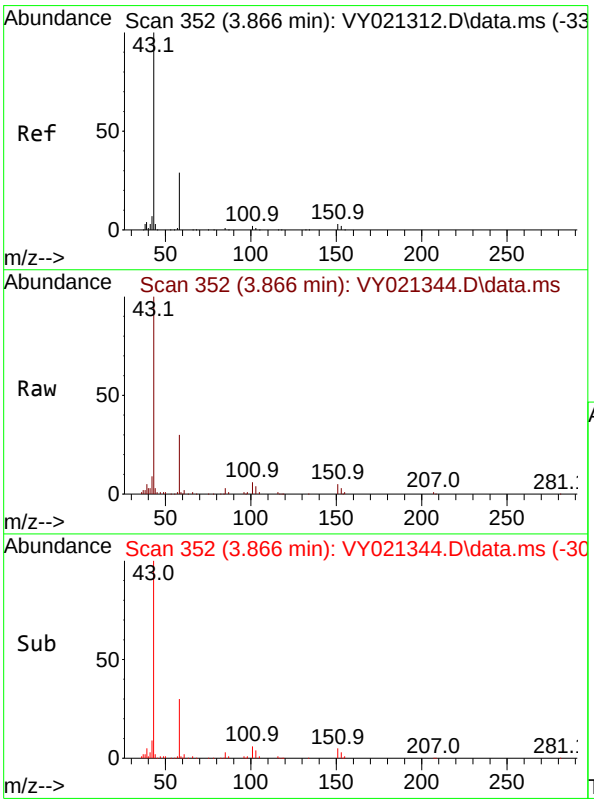
#15
Acrylonitrile
Concen: 259.792 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 130861

Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.5	98.3
51	38.1	30.6	46.0

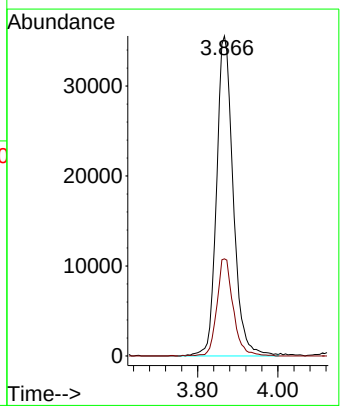


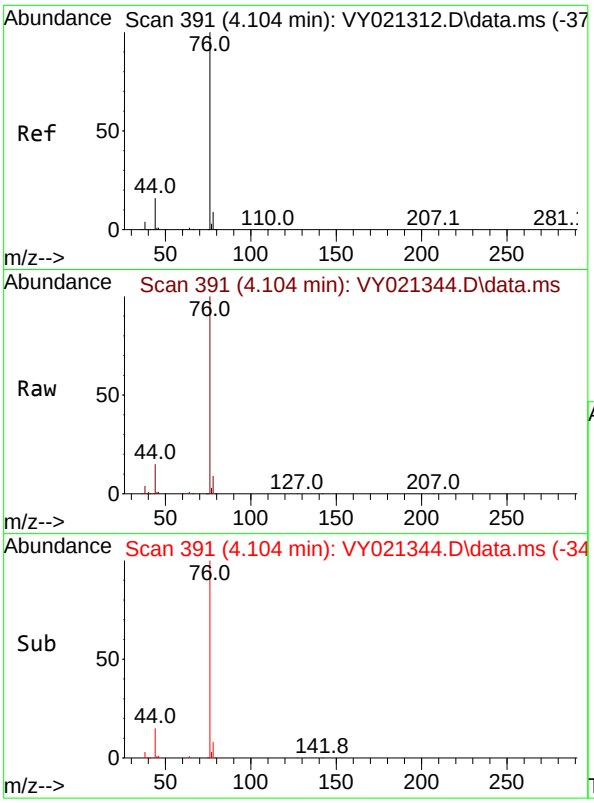


#16
Acetone
Concen: 224.914 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 102355

Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.5	35.3



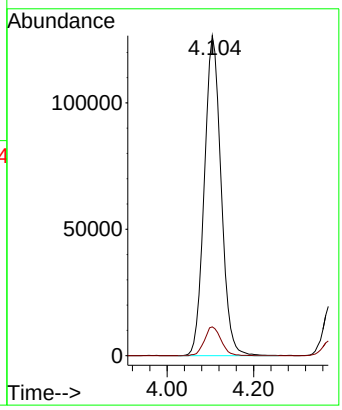


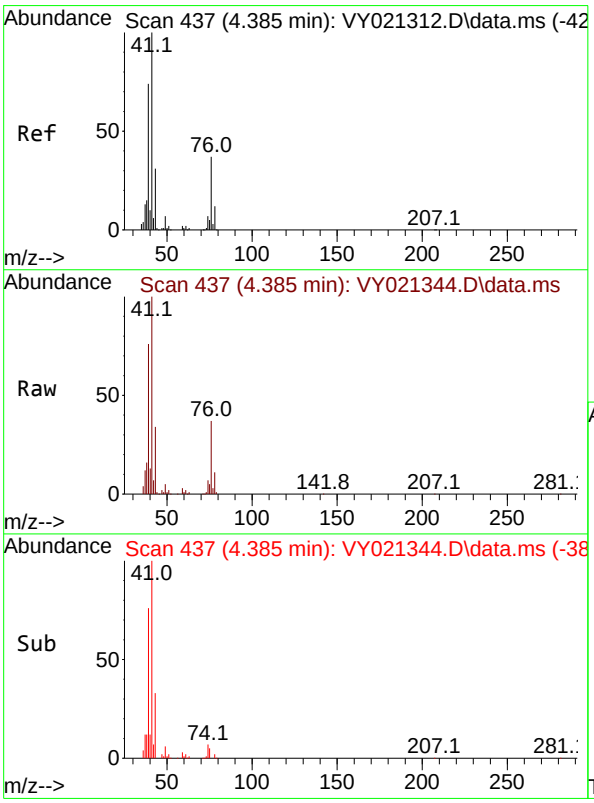
#17
Carbon Disulfide
Concen: 48.671 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 340079

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

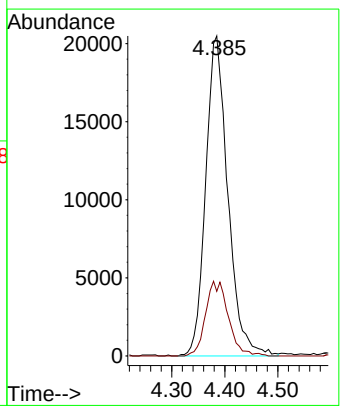


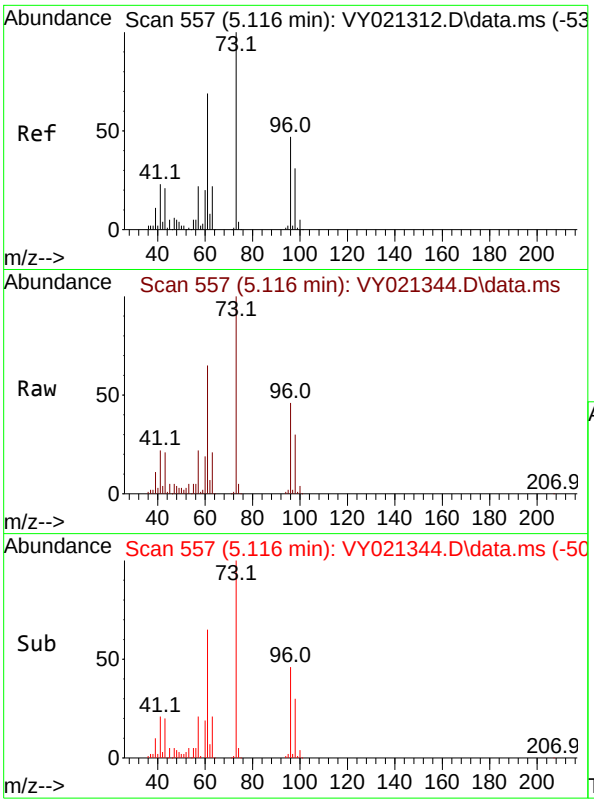


#18
Methyl Acetate
Concen: 53.445 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 59440

Ion	Ratio	Lower	Upper
43	100		
74	24.0	17.7	26.5



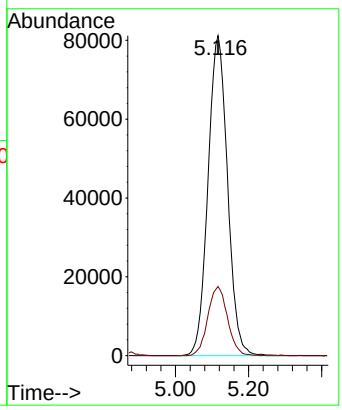


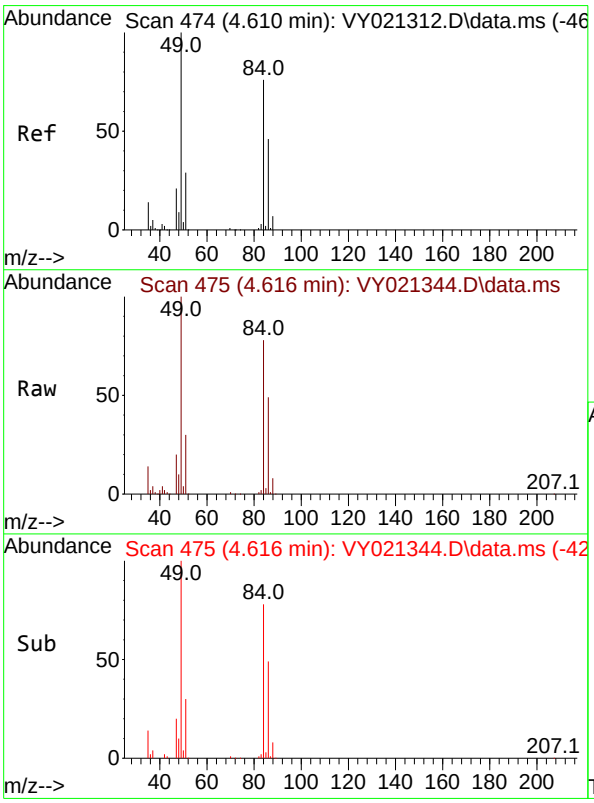
#19
Methyl tert-butyl Ether
Concen: 54.123 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 300902

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0

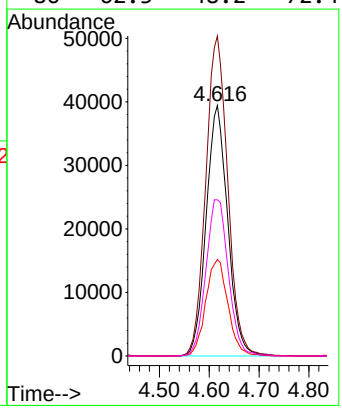


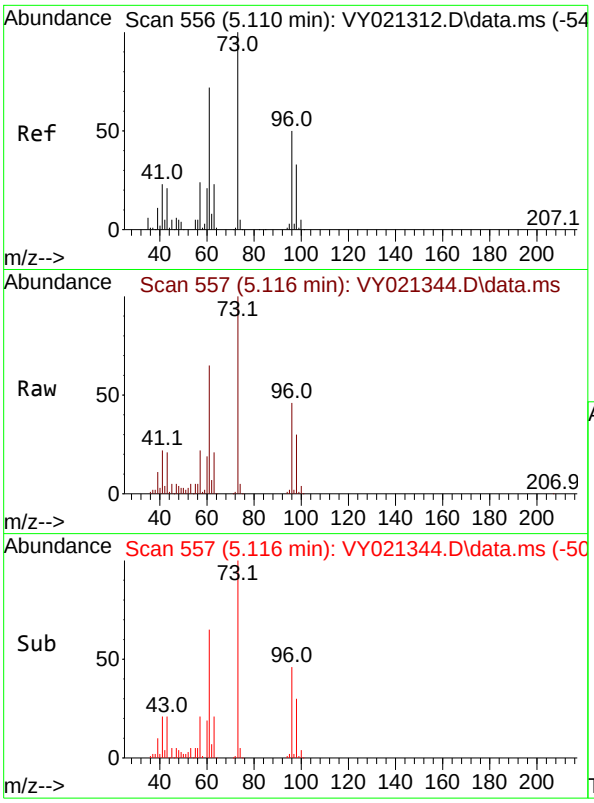


#20
Methylene Chloride
Concen: 48.152 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 84 Resp: 118498

Ion	Ratio	Lower	Upper
84	100		
49	127.7	105.1	157.7
51	38.5	31.0	46.4
86	62.3	48.2	72.4



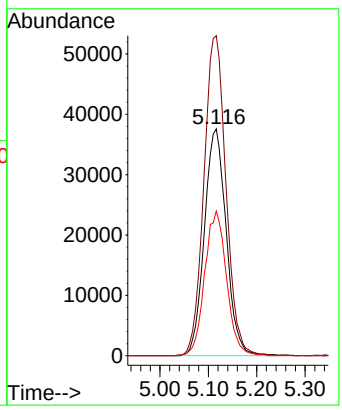


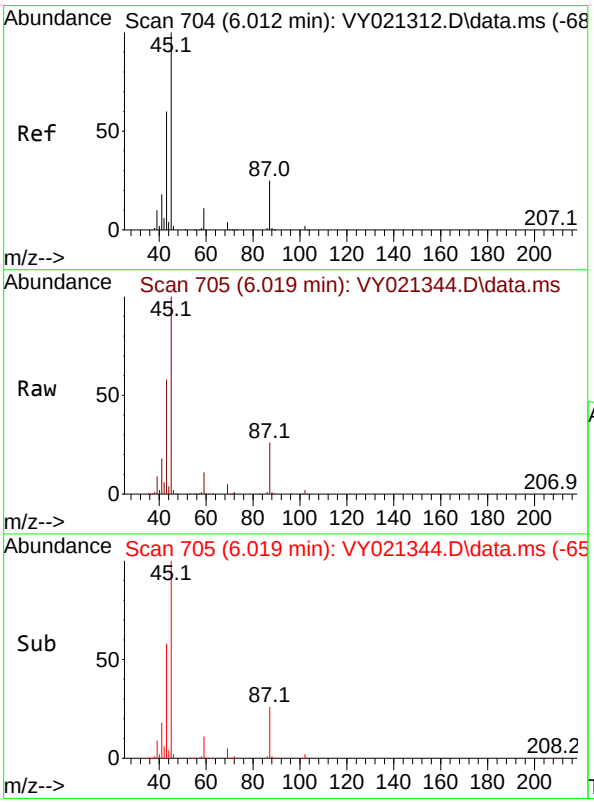
#21
trans-1,2-Dichloroethene
Concen: 51.077 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 118319

Ion	Ratio	Lower	Upper
96	100		
61	141.0	116.3	174.5
98	63.8	52.6	78.8

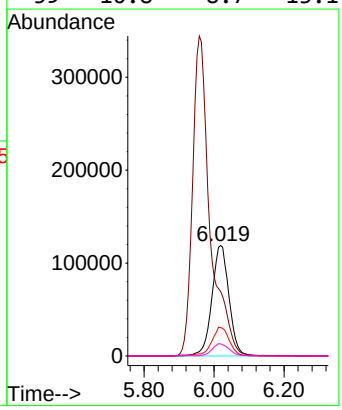


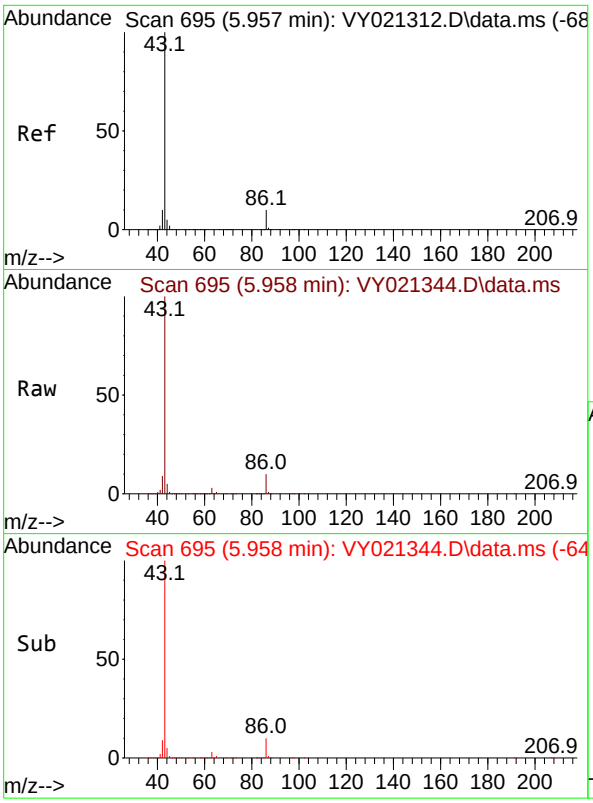


#22
Diisopropyl ether
Concen: 52.185 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 45 Resp: 402879

Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.2	72.4
87	25.7	20.3	30.5
59	10.8	8.7	13.1



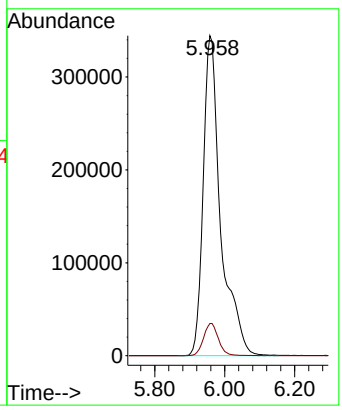


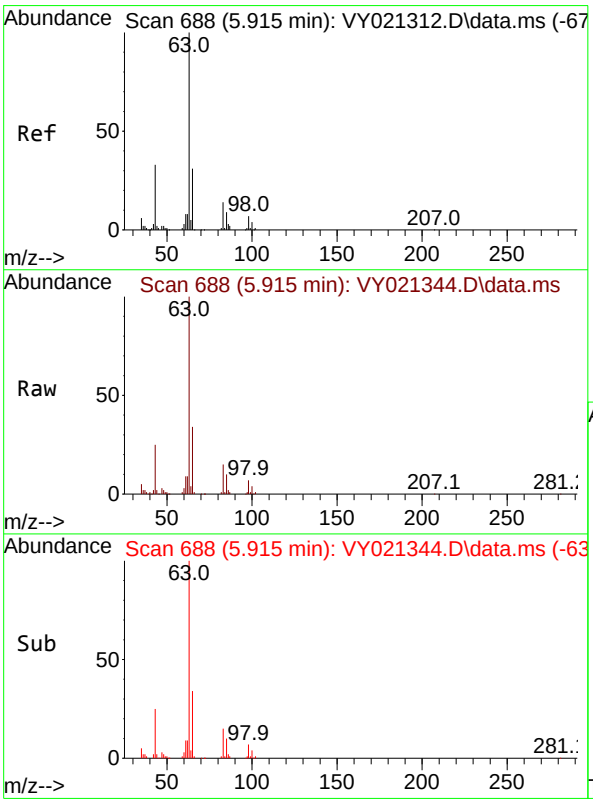
#23
Vinyl Acetate
Concen: 259.062 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1195161

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0

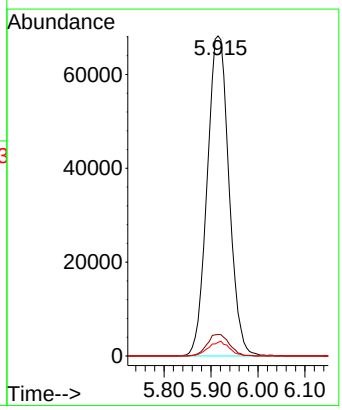


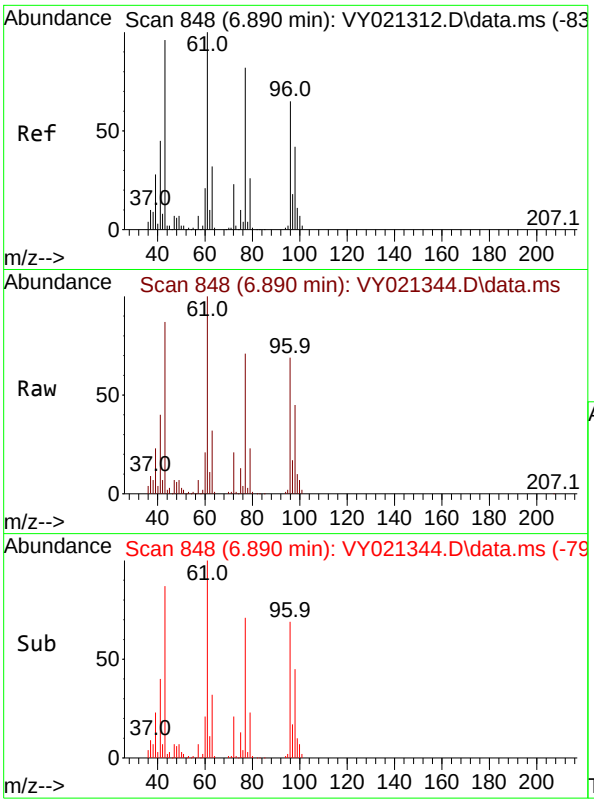


#24
1,1-Dichloroethane
Concen: 50.498 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 219734

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.7	11.1
100	4.3	2.1	6.5



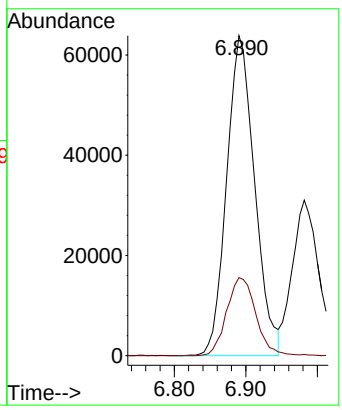


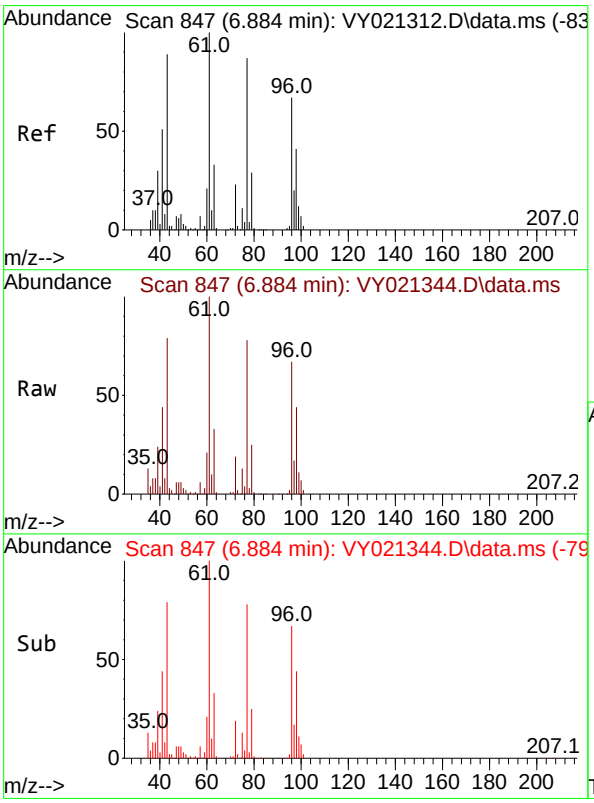
#25
2-Butanone
Concen: 253.286 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 173965

Ion	Ratio	Lower	Upper
43	100		
72	24.4	19.0	28.6

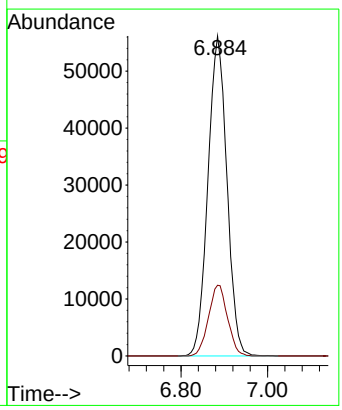


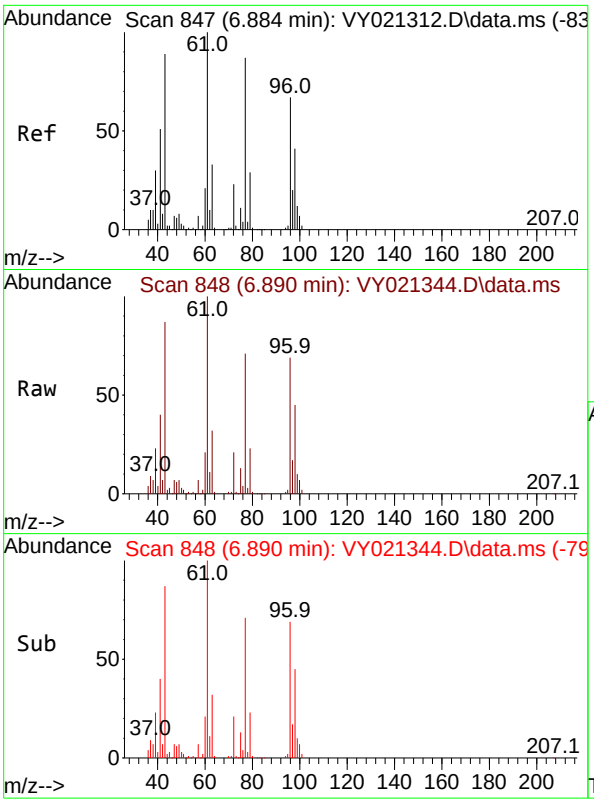


#26
2,2-Dichloropropane
Concen: 43.292 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 77 Resp: 170930

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7



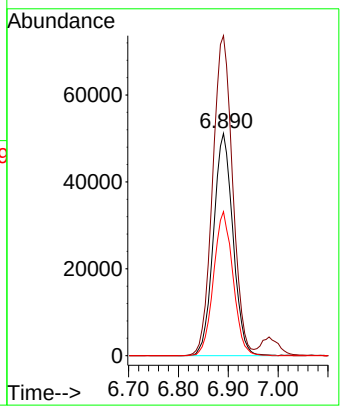


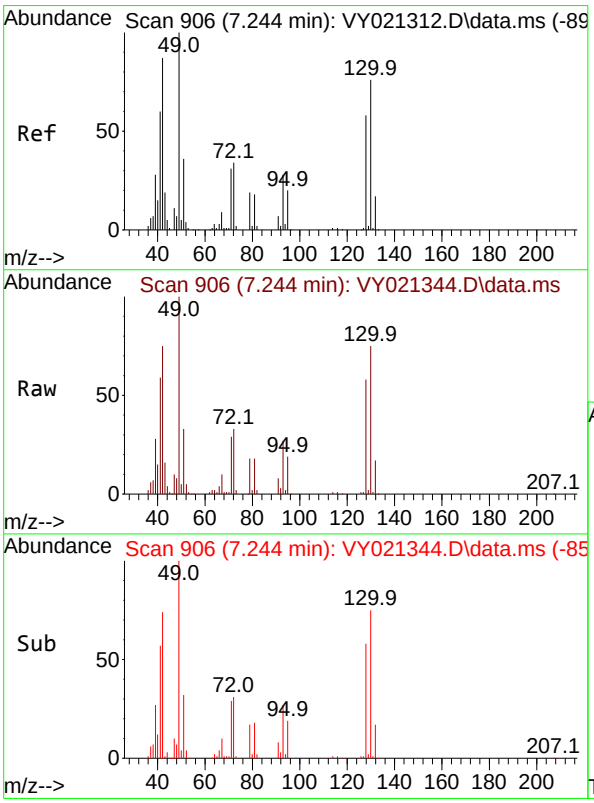
#27
cis-1,2-Dichloroethene
Concen: 52.447 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 138734

Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	308.0
98	64.7	0.0	129.6

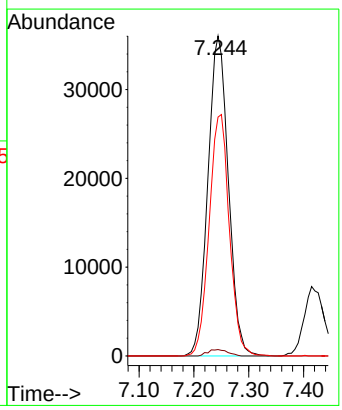


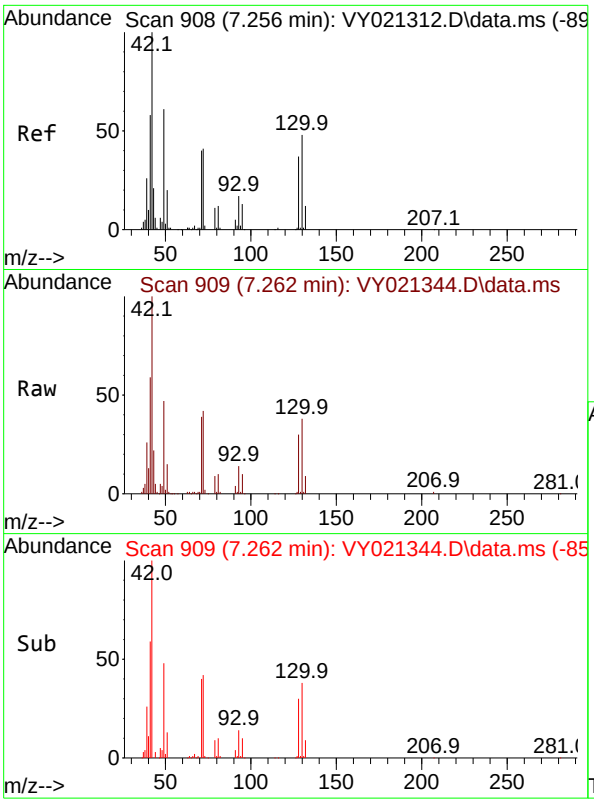


#28
Bromochloromethane
Concen: 48.465 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 49 Resp: 93313

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	74.6	57.8	86.6



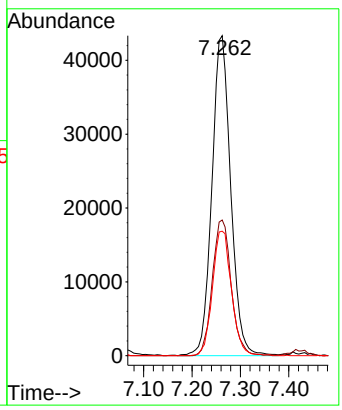


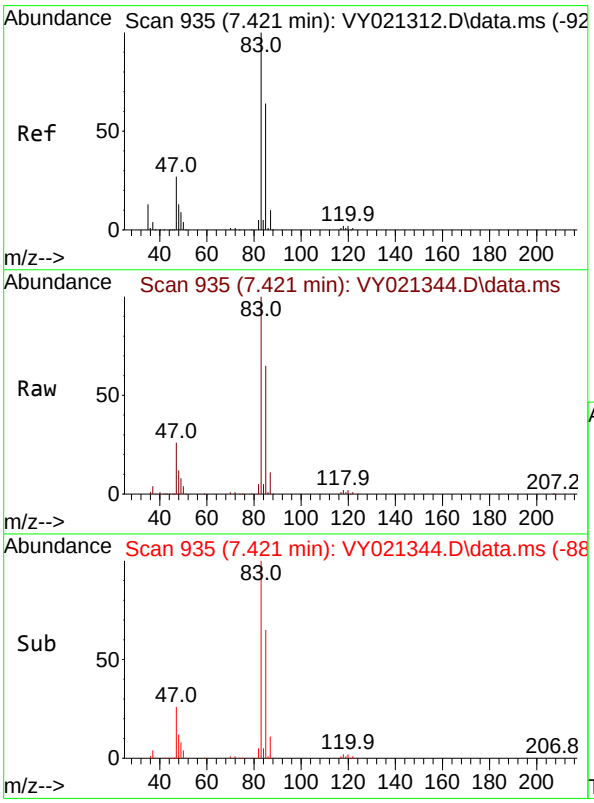
#29
Tetrahydrofuran
Concen: 261.209 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 117269

Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.1	49.7
71	39.3	31.4	47.0

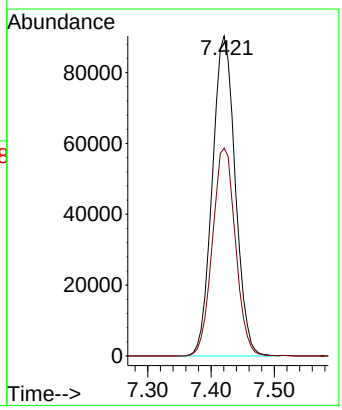


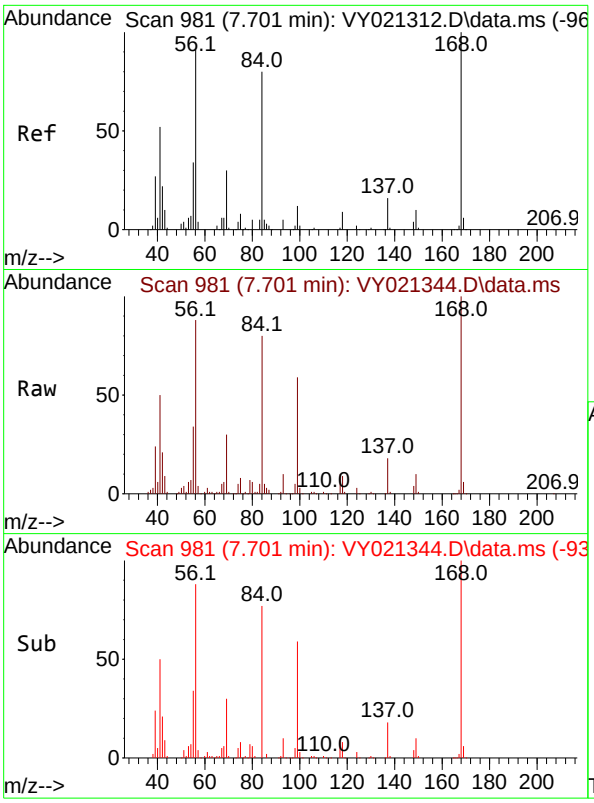


#30
Chloroform
Concen: 51.443 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 83 Resp: 226821

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4



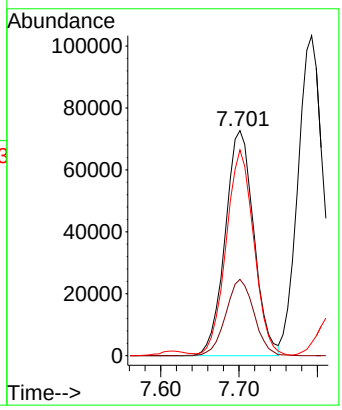


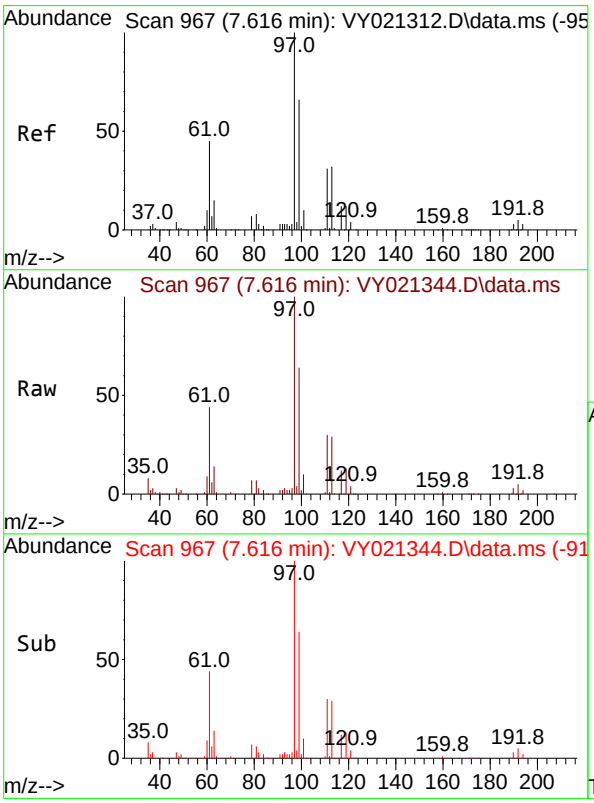
#31
Cyclohexane
Concen: 44.101 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 184463

Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.2	39.4
84	89.5	70.2	105.4

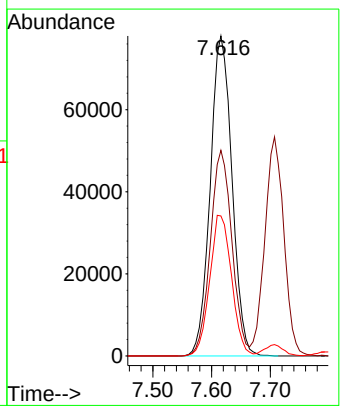


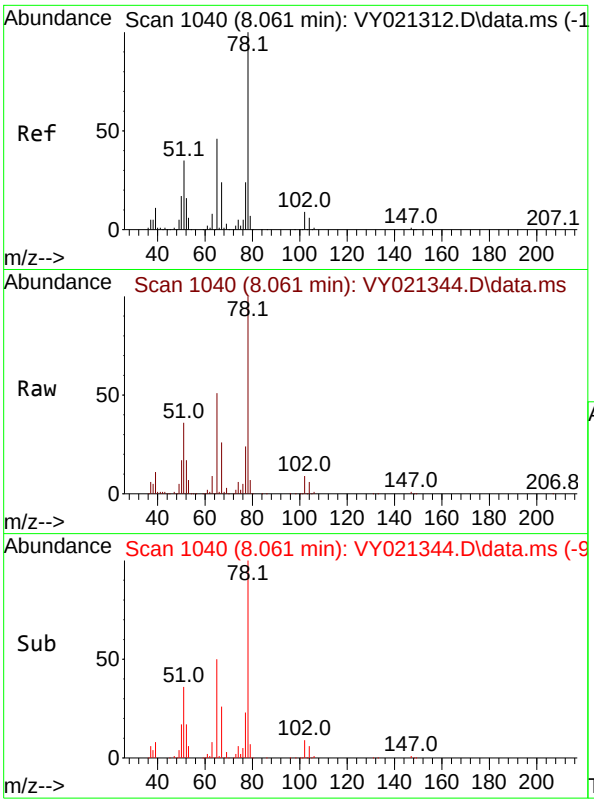


#32
1,1,1-Trichloroethane
Concen: 49.940 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 97 Resp: 200425

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.4	78.6
61	44.2	36.2	54.2



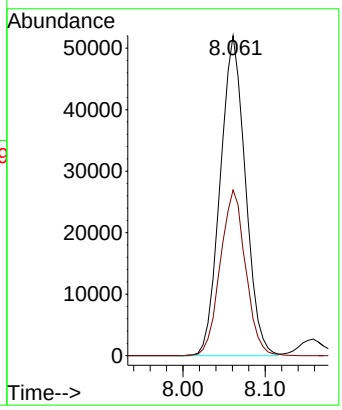


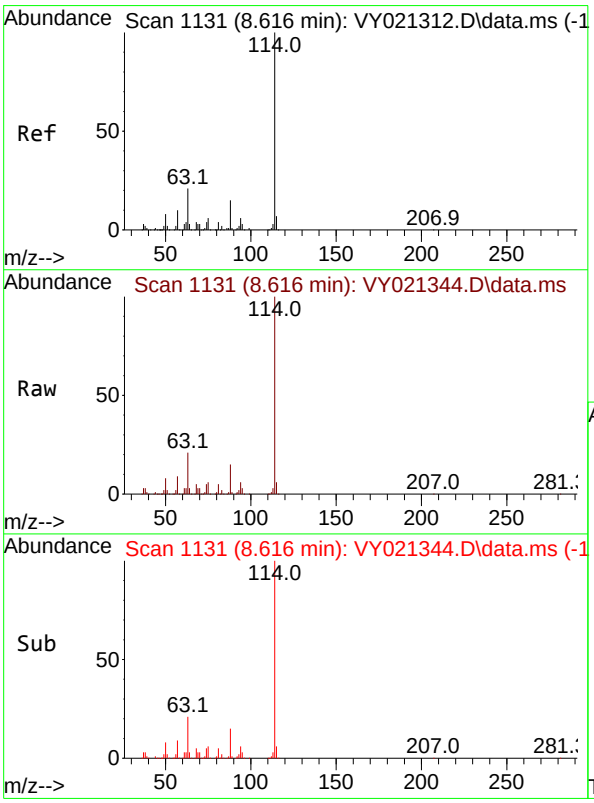
#33
1,2-Dichloroethane-d4
Concen: 46.619 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 110600

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.6

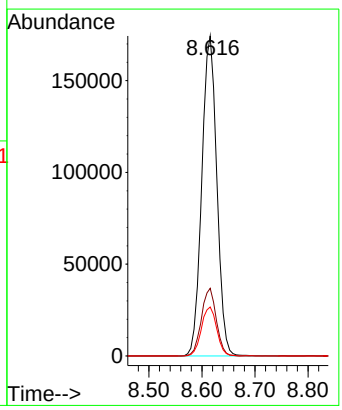


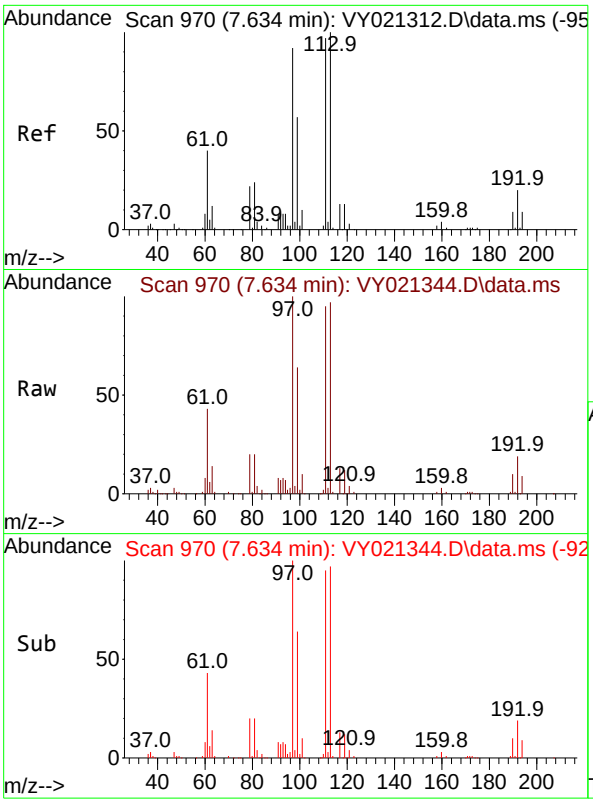


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:114 Resp: 343428

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.2
88	15.3	0.0	29.8



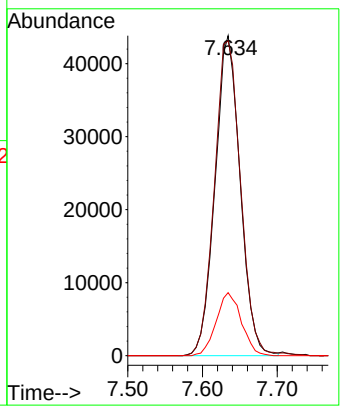


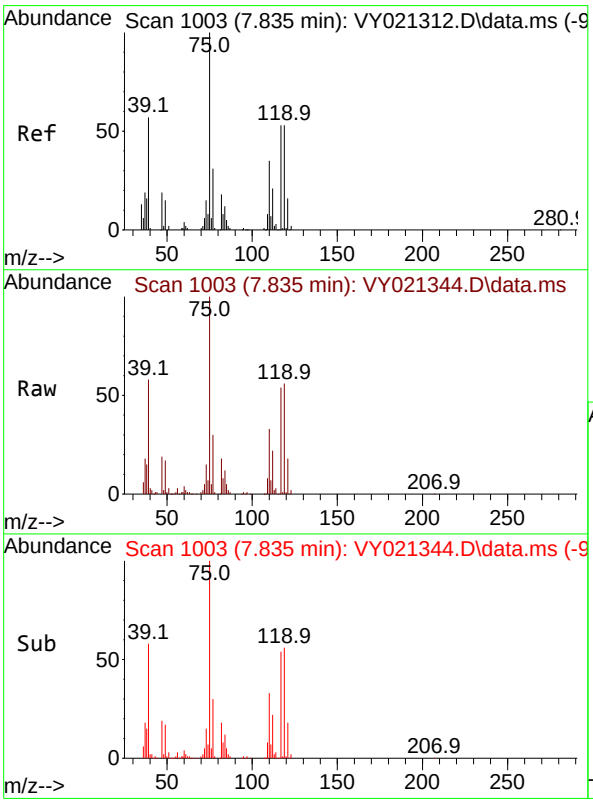
#35
Dibromofluoromethane
Concen: 45.429 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 102286

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.6
192	19.8	15.8	23.8

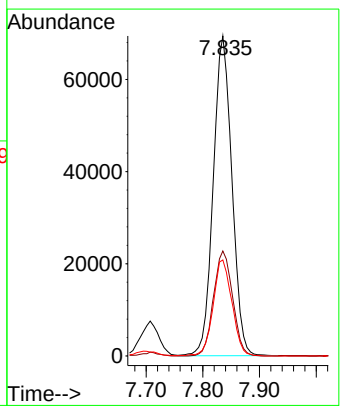


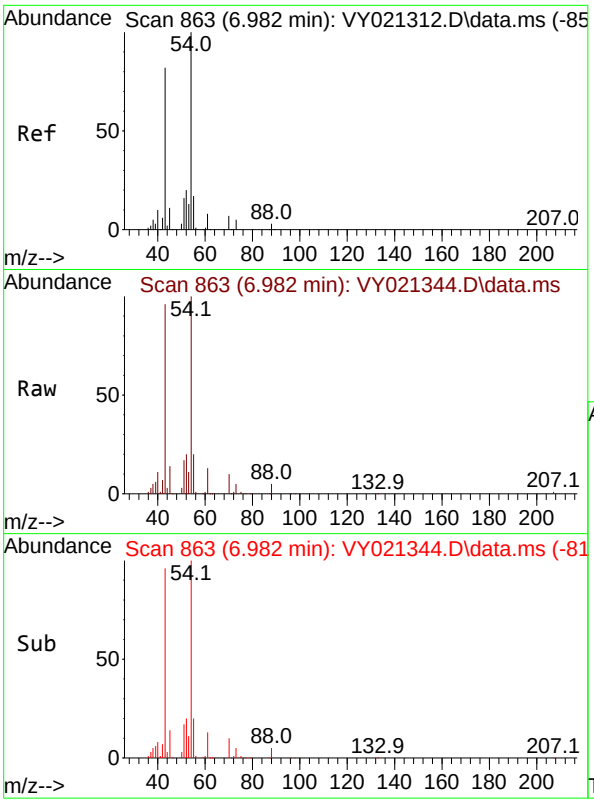


#36
1,1-Dichloropropene
Concen: 46.928 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 158713

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	30.3	24.6	36.8



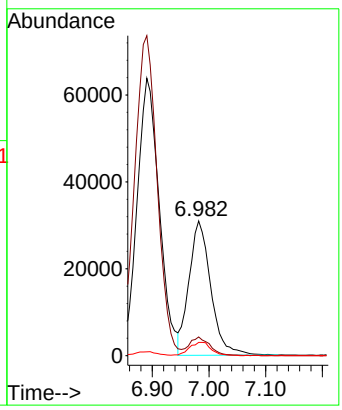


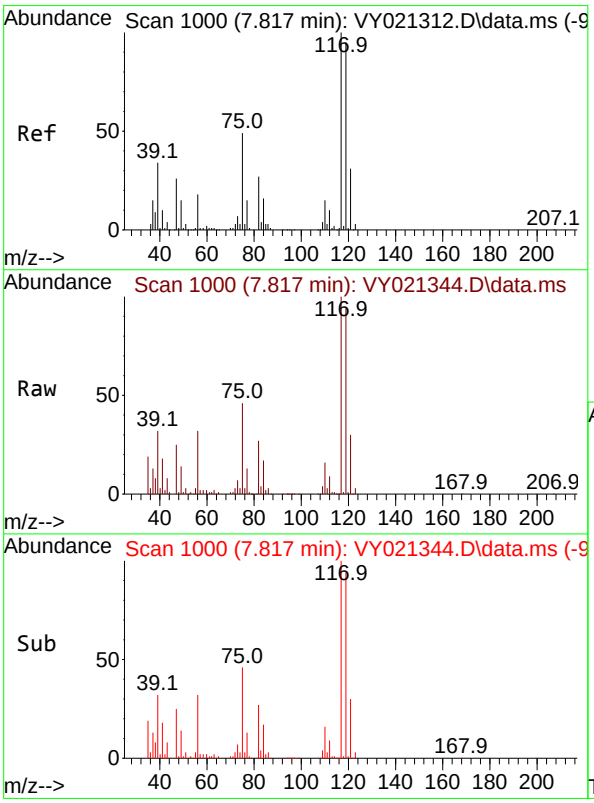
#37
Ethyl Acetate
Concen: 48.999 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 82433

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	10.0	7.5	11.3

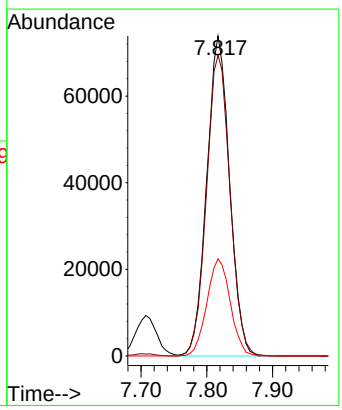


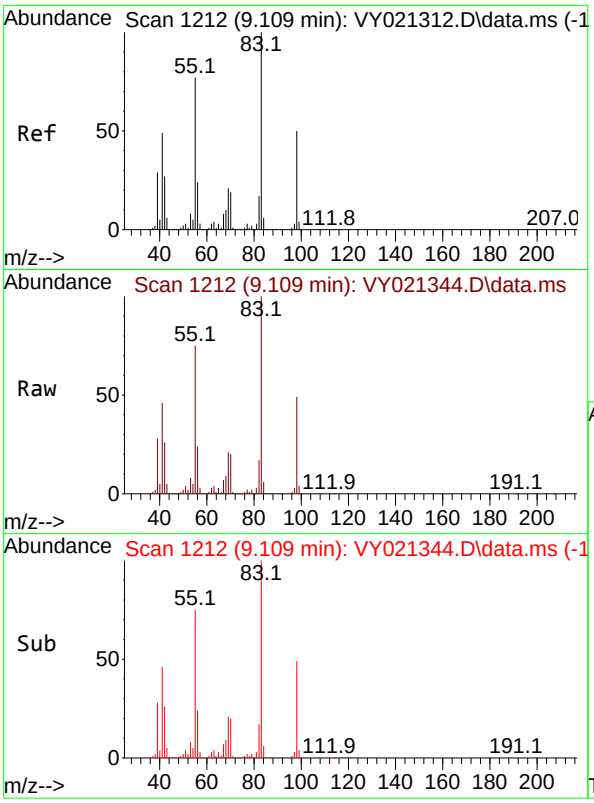


#38
Carbon Tetrachloride
Concen: 46.933 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 178448

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.0	114.0
121	30.4	24.9	37.3



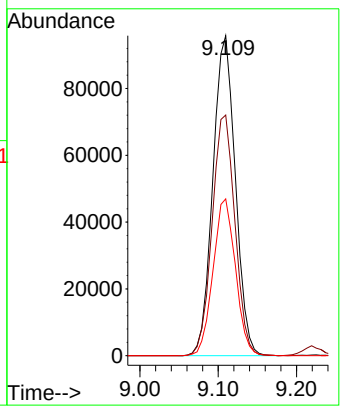


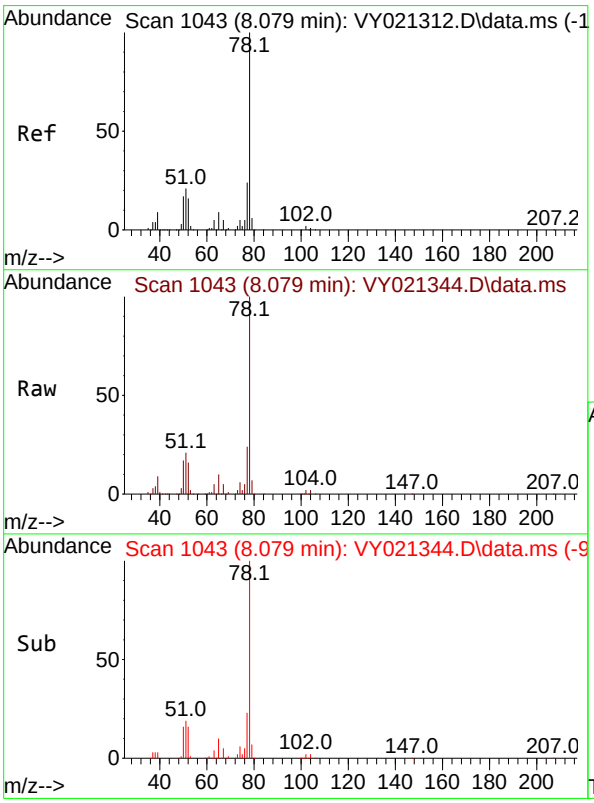
#39
Methylcyclohexane
Concen: 44.707 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 191242

Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.3	91.9
98	49.0	39.9	59.9

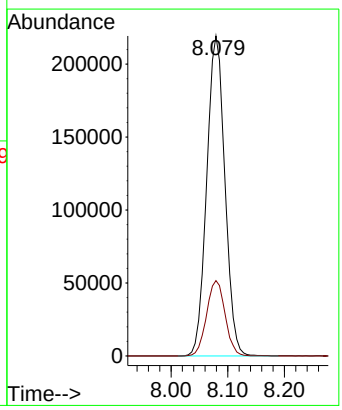


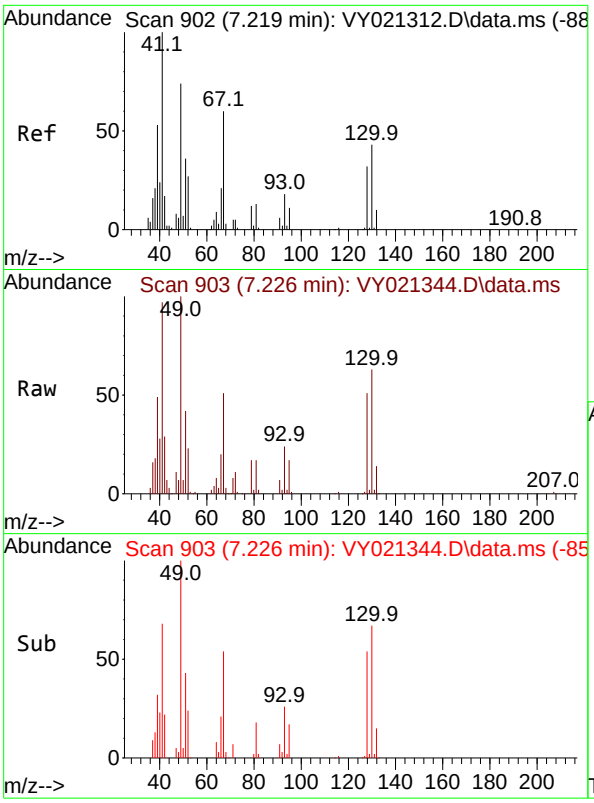


#40
Benzene
Concen: 48.823 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 78 Resp: 488113

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8



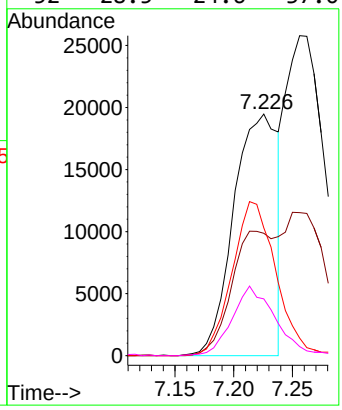


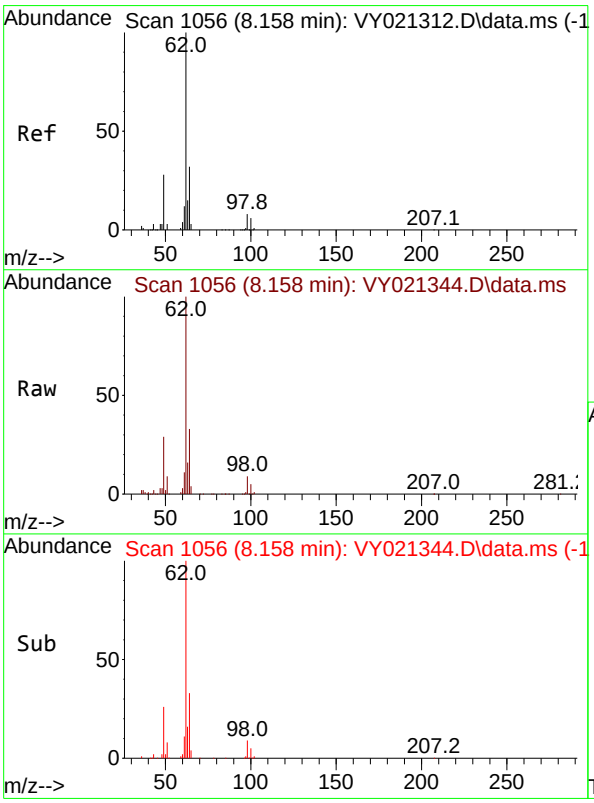
#41
Methacrylonitrile
Concen: 54.039 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 50830

Ion	Ratio	Lower	Upper
41	100		
39	46.4	42.3	63.5
67	63.7	54.8	82.2
52	28.5	24.6	37.0

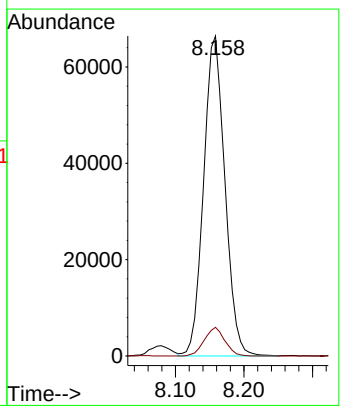


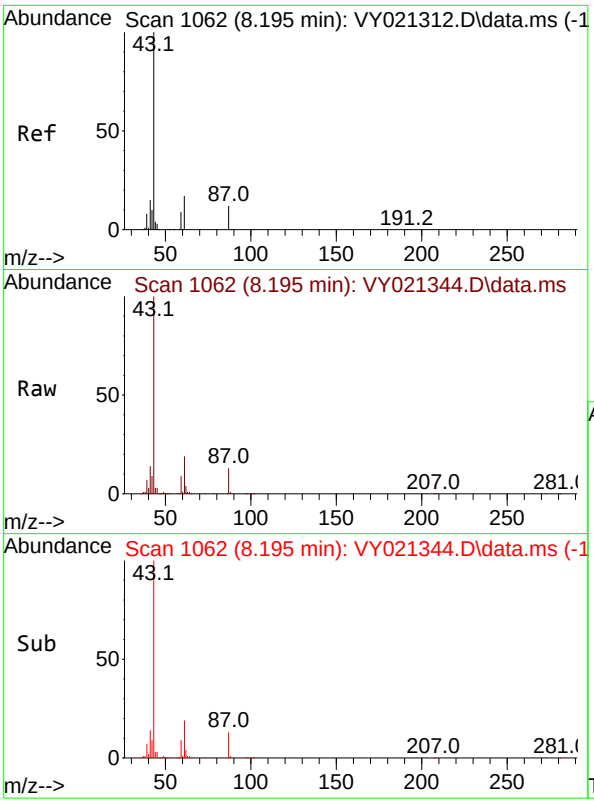


#42
1,2-Dichloroethane
Concen: 50.672 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 62 Resp: 143731

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6



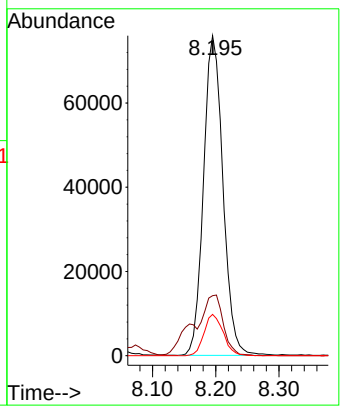


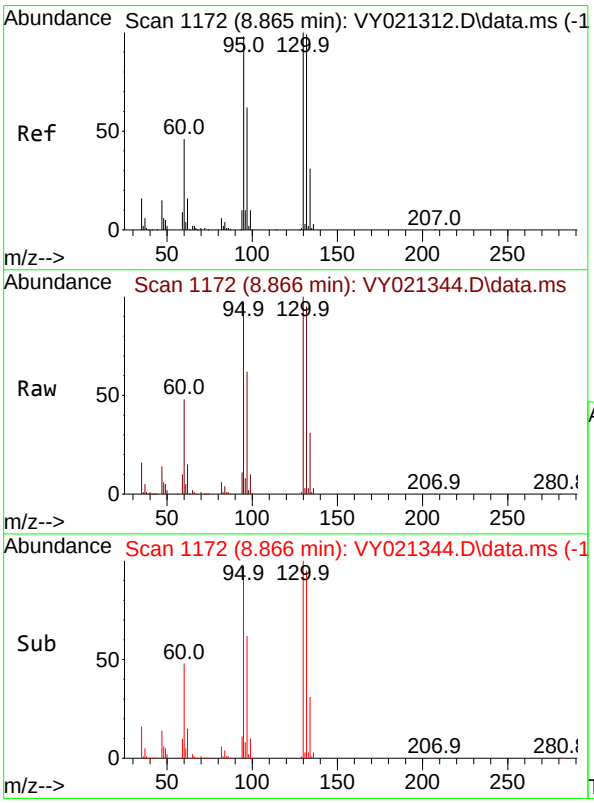
#43
Isopropyl Acetate
Concen: 49.861 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 162361

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.0	22.6
87	12.7	10.0	15.0

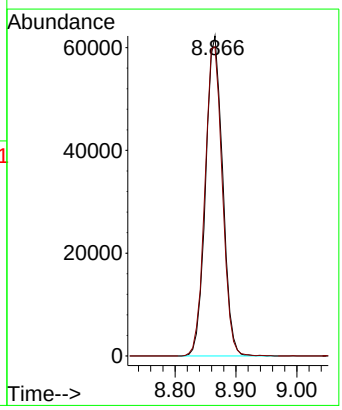


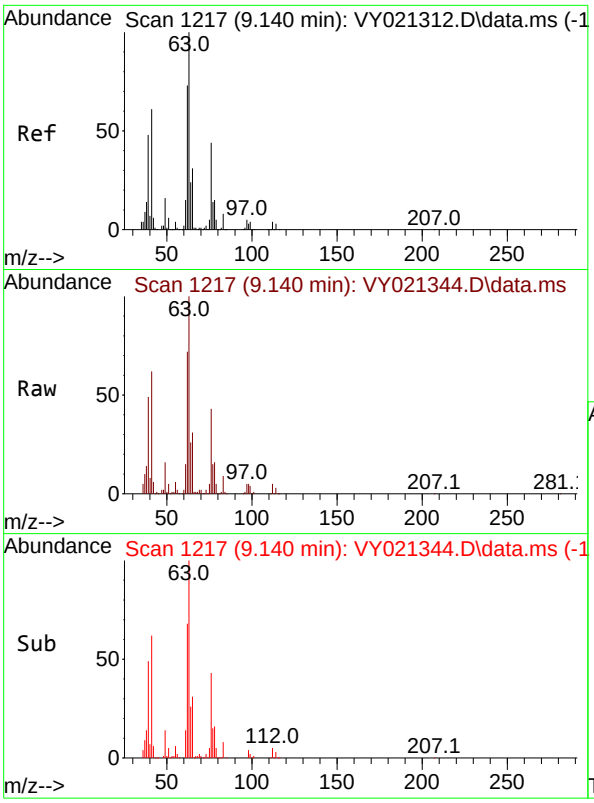


#44
Trichloroethene
Concen: 48.271 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:130 Resp: 120825

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	196.0



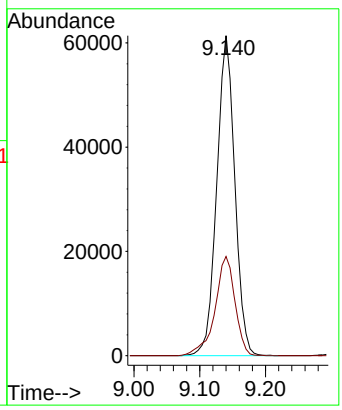


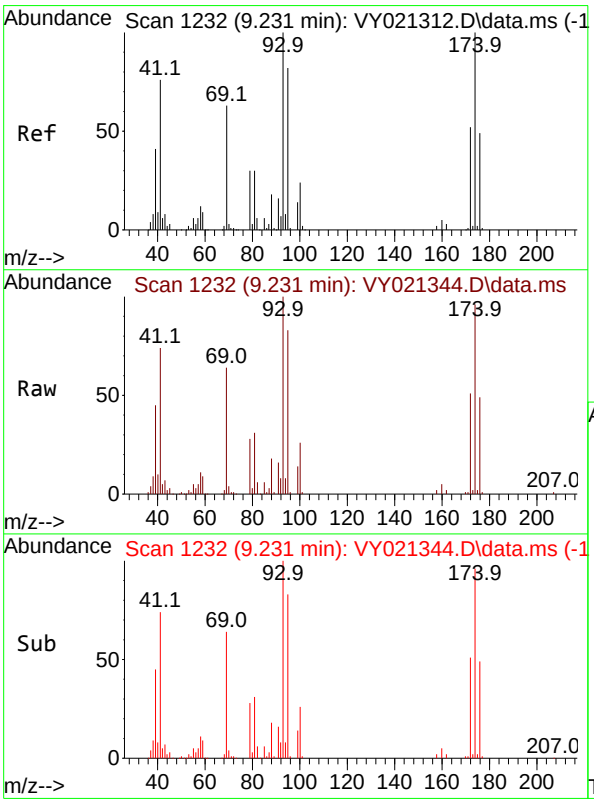
#45
1,2-Dichloropropane
Concen: 48.736 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 117257

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	36.8

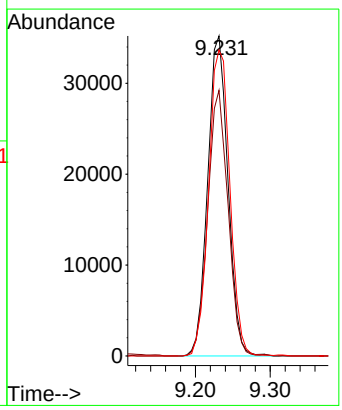


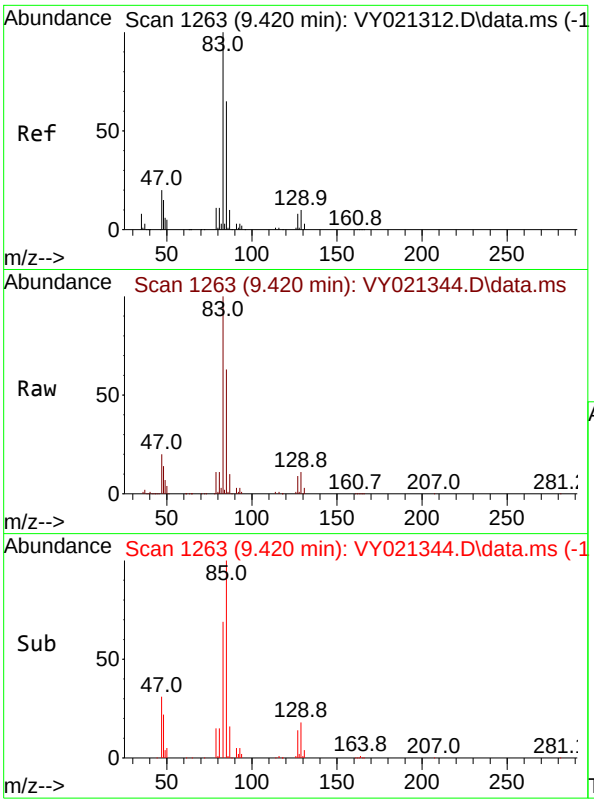


#46
Dibromomethane
Concen: 50.499 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 93 Resp: 66414

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	100.3	78.2	117.2



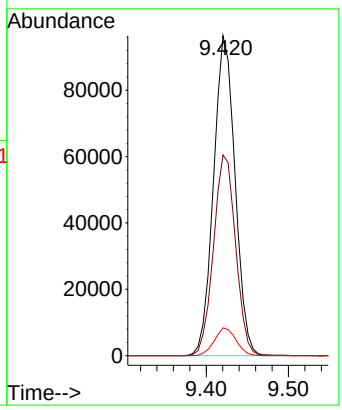


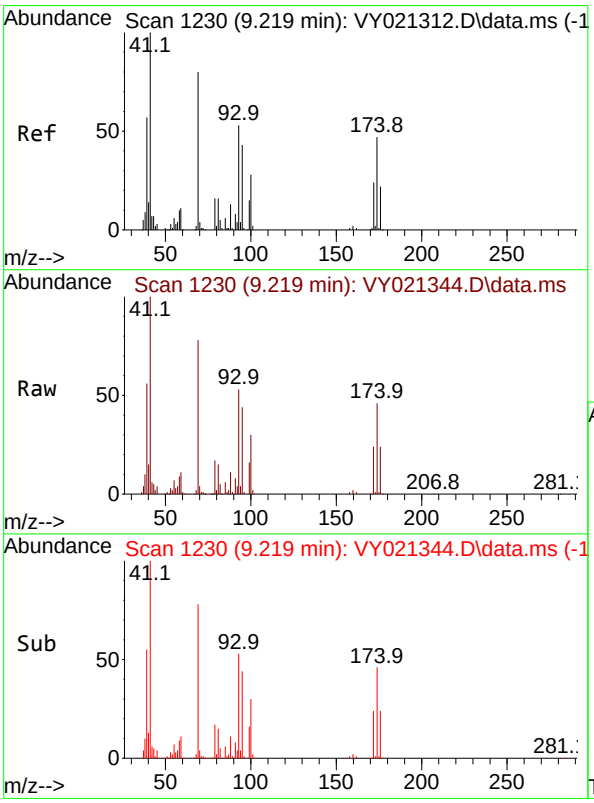
#47
Bromodichloromethane
Concen: 50.086 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 175634

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.8
127	8.7	6.7	10.1

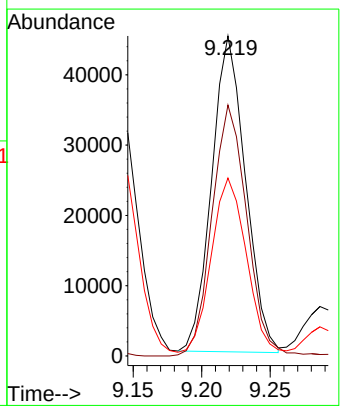


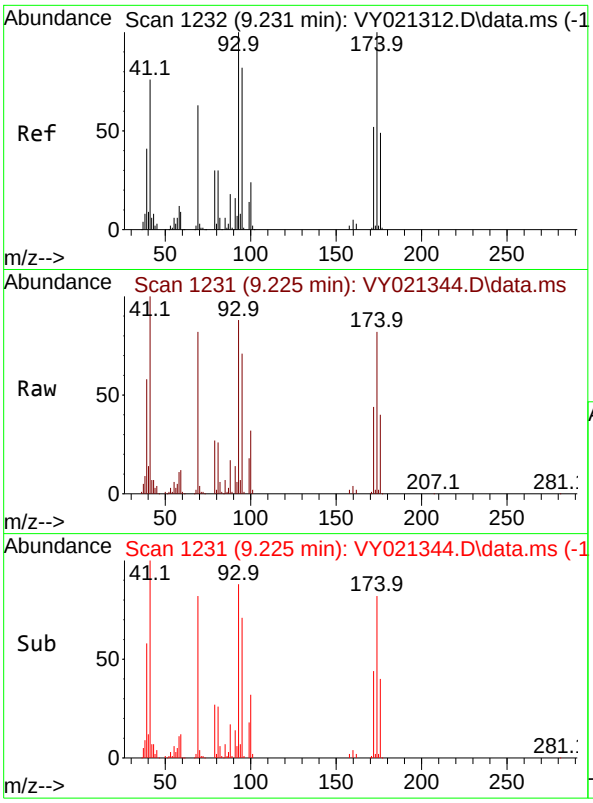


#48
Methyl methacrylate
Concen: 50.619 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 41 Resp: 77080

Ion	Ratio	Lower	Upper
41	100		
69	82.7	63.3	94.9
39	57.1	45.0	67.6



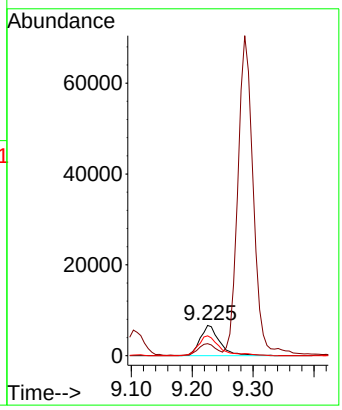


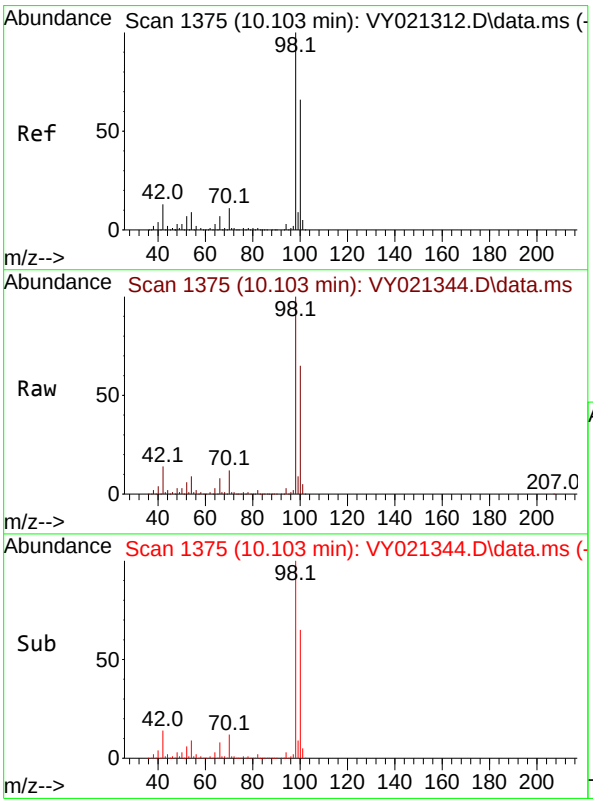
#49
1,4-Dioxane
Concen: 1015.844 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 14855

Ion	Ratio	Lower	Upper
88	100		
43	34.7	34.8	52.2#
58	72.1	59.8	89.6

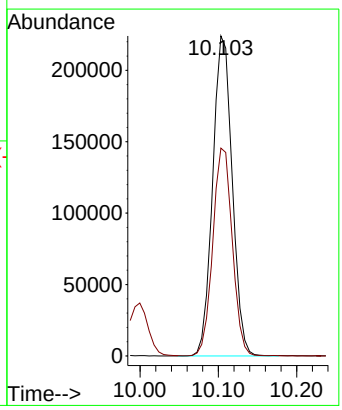


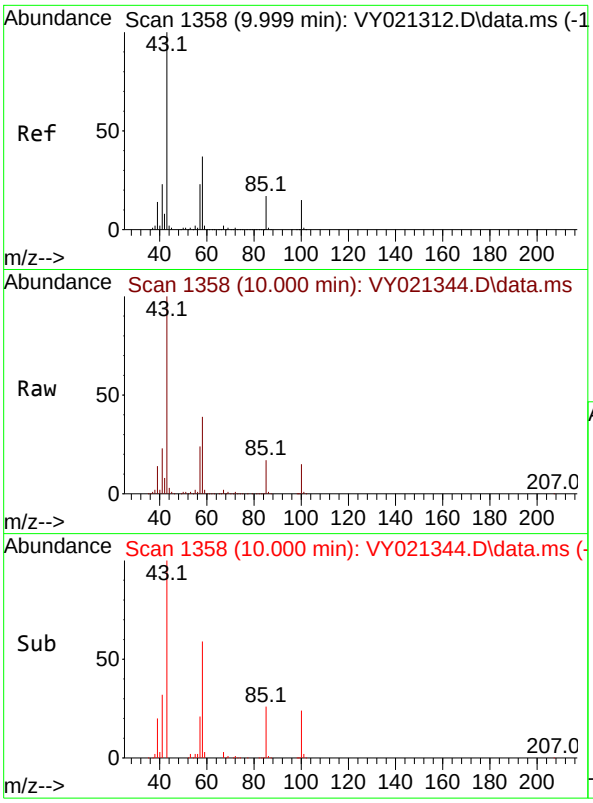


#50
Toluene-d8
Concen: 44.650 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 98 Resp: 388525

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6



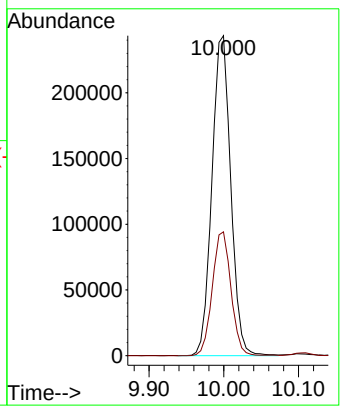


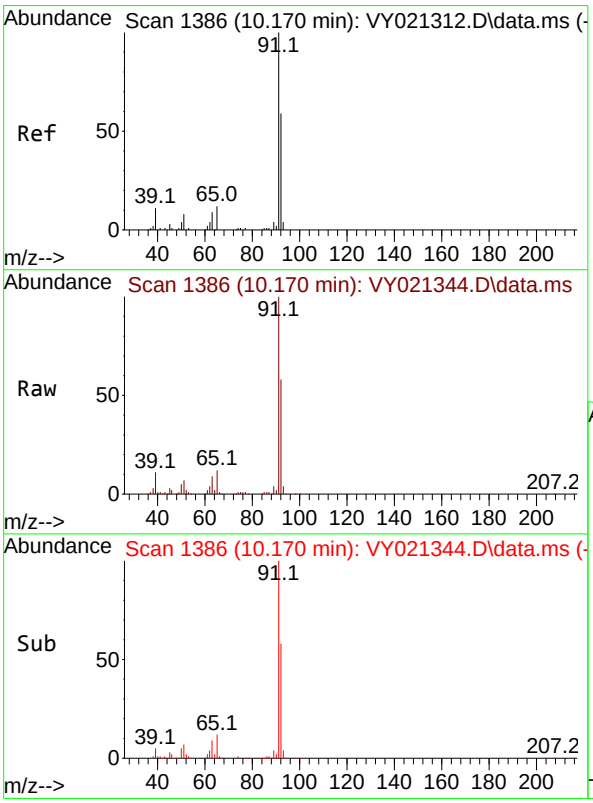
#51
4-Methyl-2-Pentanone
Concen: 254.988 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 425033

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.1	45.1

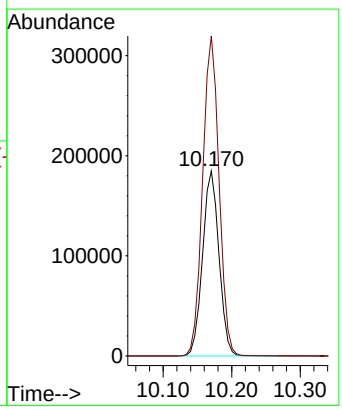


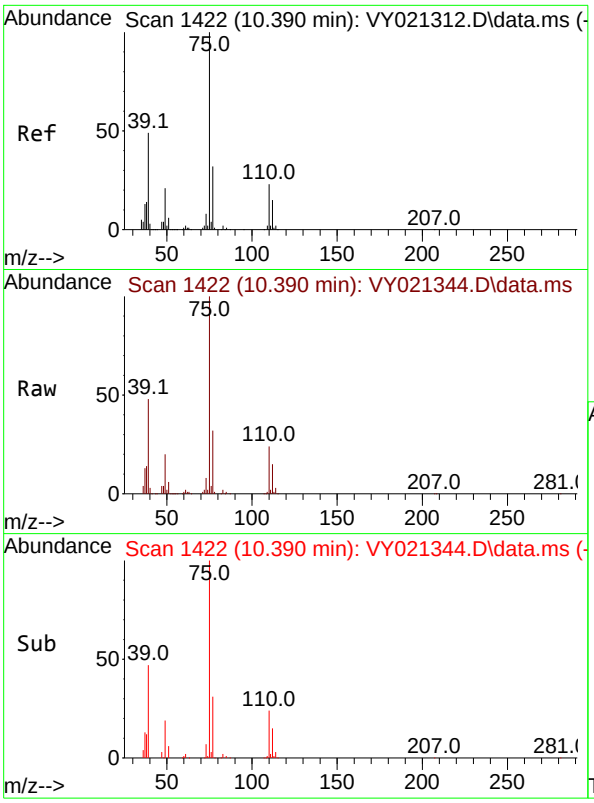


#52
Toluene
Concen: 49.585 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 92 Resp: 307967

Ion	Ratio	Lower	Upper
92	100		
91	173.1	137.8	206.8



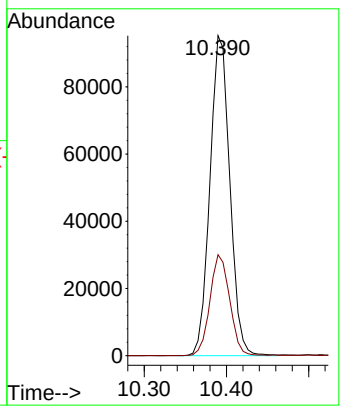


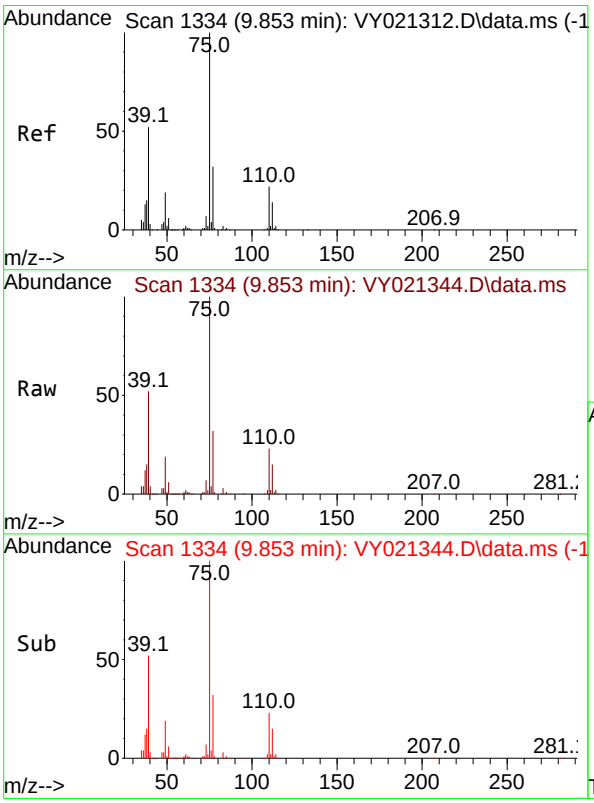
#53
t-1,3-Dichloropropene
Concen: 49.701 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 159678

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9

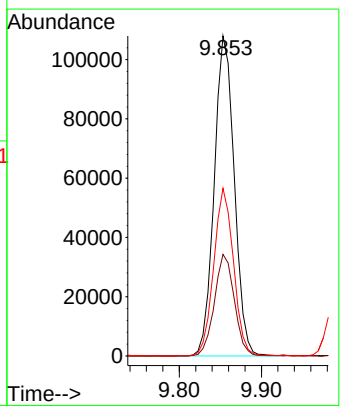


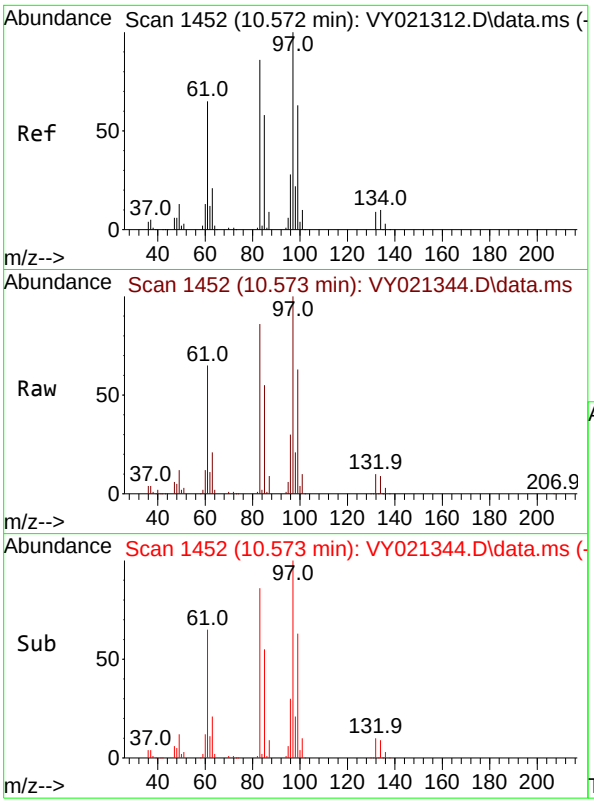


#54
cis-1,3-Dichloropropene
Concen: 48.340 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 183344

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	52.3	41.8	62.6



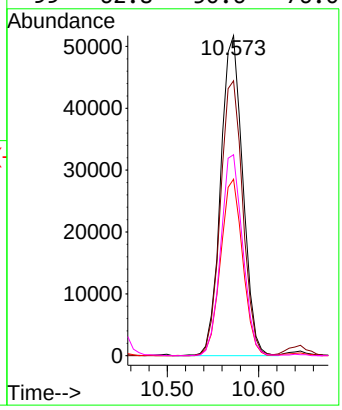


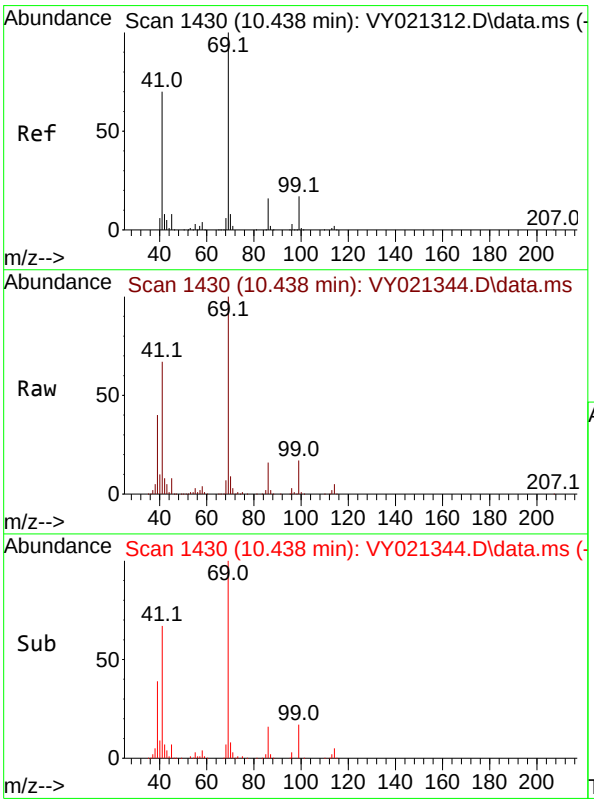
#55
1,1,2-Trichloroethane
Concen: 50.858 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 87133

Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.7	103.1
85	55.1	46.3	69.5
99	62.8	50.6	76.0

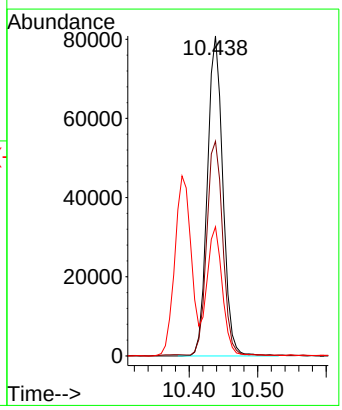


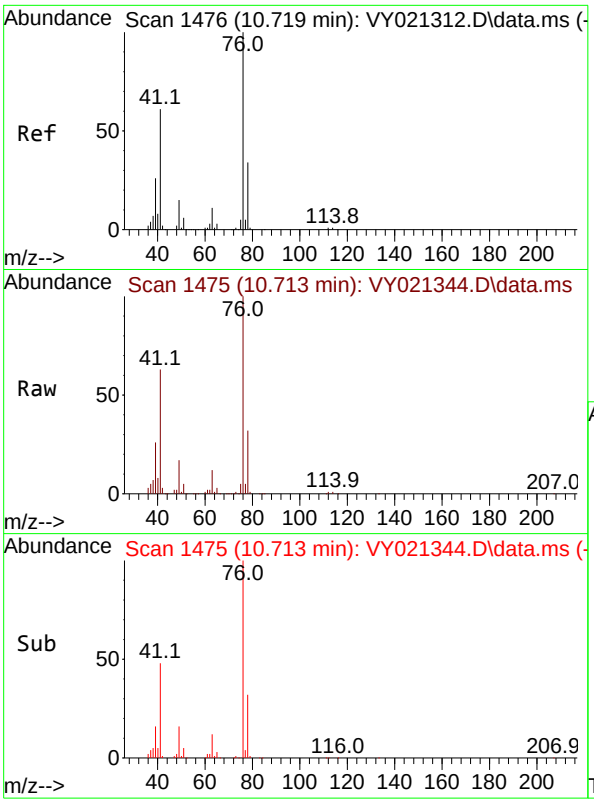


#56
Ethyl methacrylate
Concen: 53.738 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 69 Resp: 127215

Ion	Ratio	Lower	Upper
69	100		
41	68.8	56.2	84.4
39	40.0	32.7	49.1



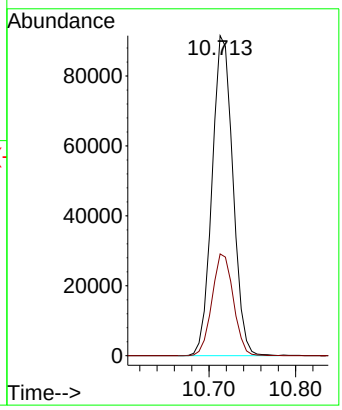


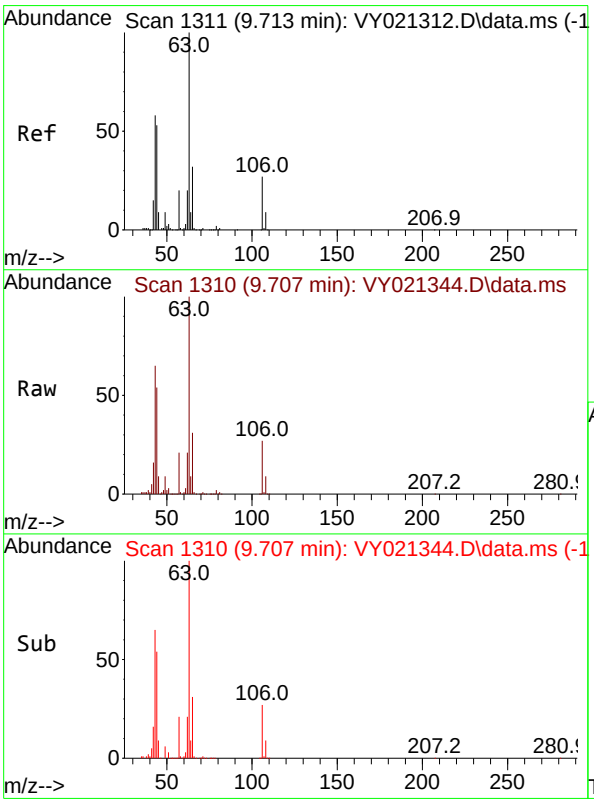
#57
1,3-Dichloropropane
Concen: 50.818 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 152781

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9

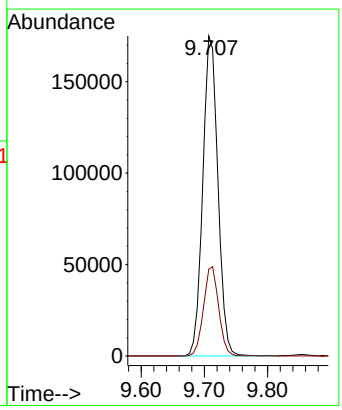


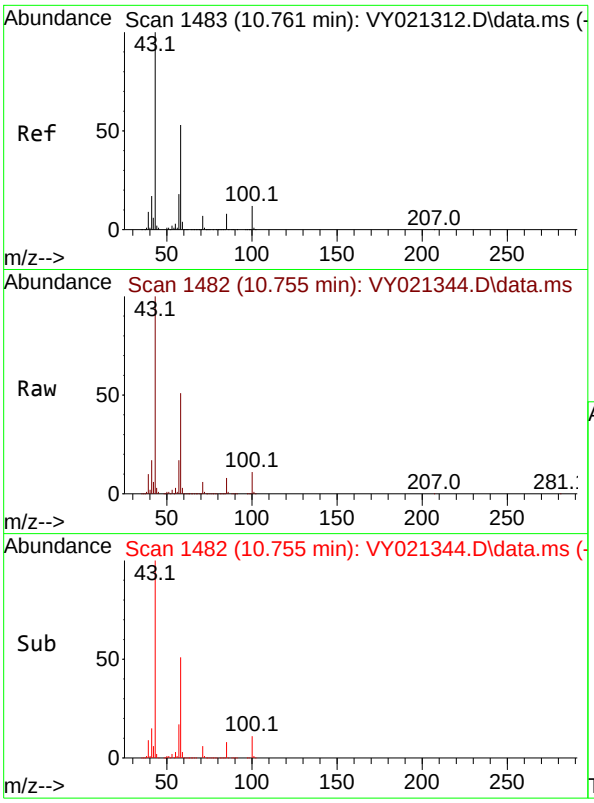


#58
2-Chloroethyl Vinyl ether
Concen: 257.068 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 63 Resp: 292101

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.7	32.5



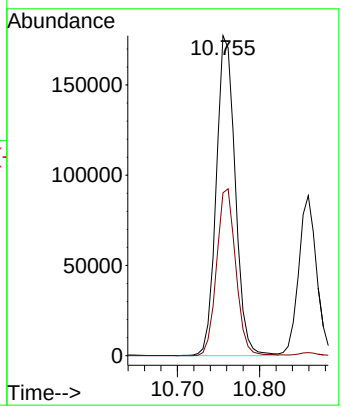


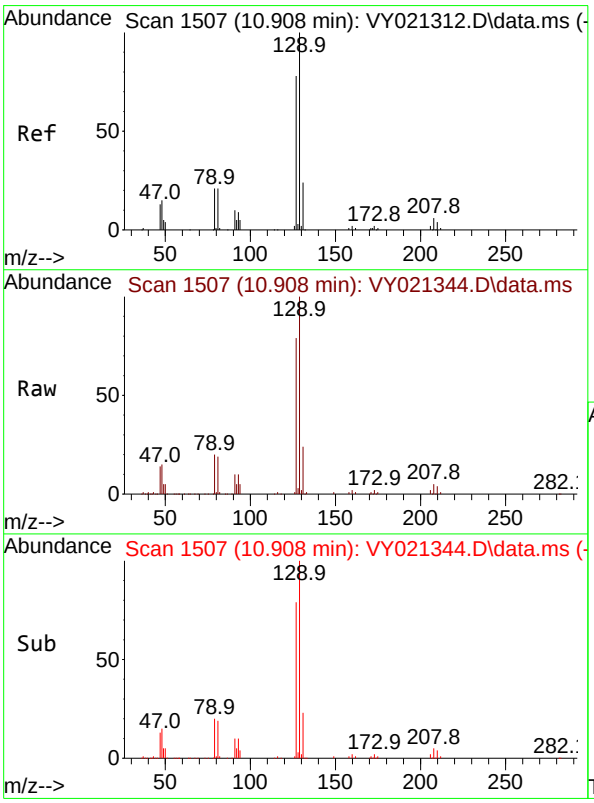
#59
2-Hexanone
Concen: 260.462 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 285133

Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.9	77.6

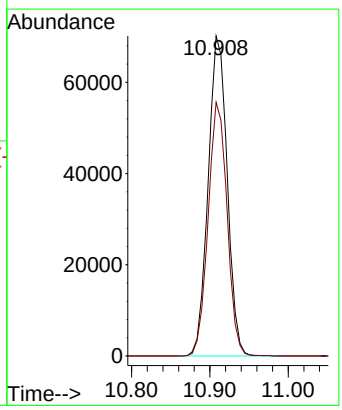


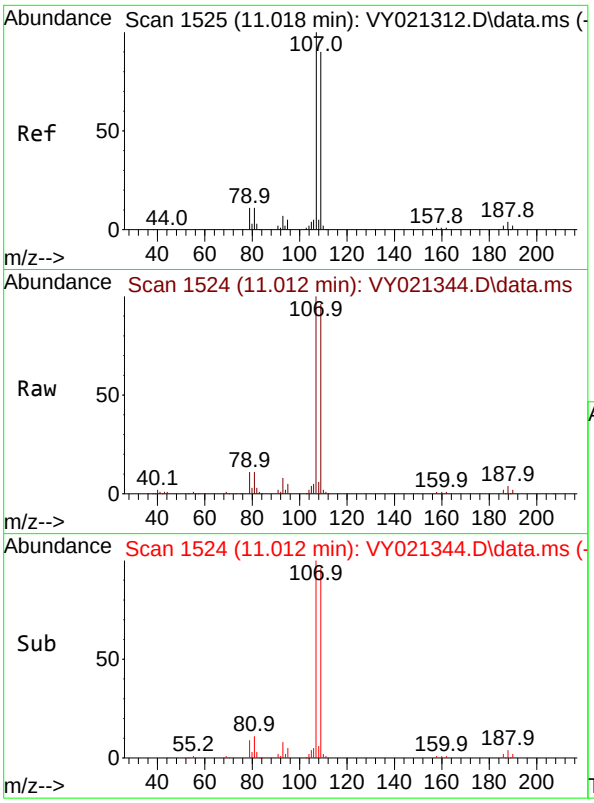


#60
Dibromochloromethane
Concen: 50.788 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:129 Resp: 118508

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.8	116.4



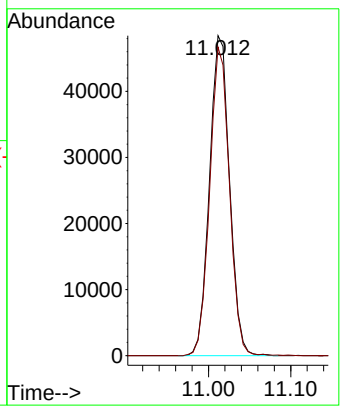


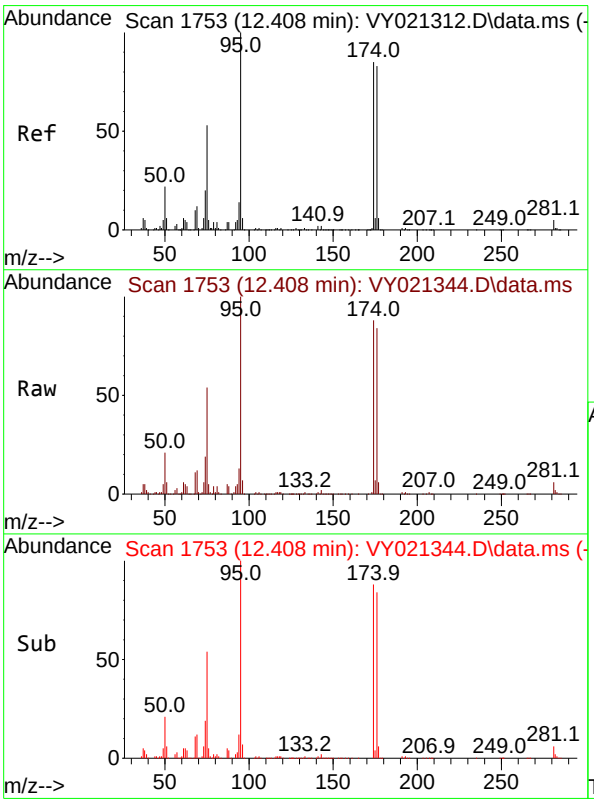
#61
1,2-Dibromoethane
Concen: 50.586 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 82050

Ion	Ratio	Lower	Upper
107	100		
109	94.7	73.8	110.8

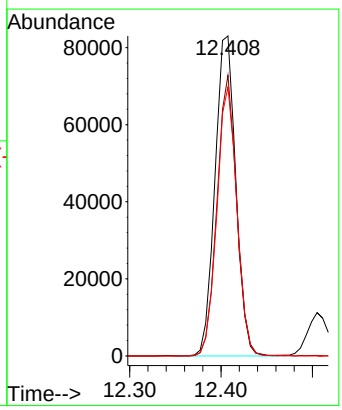


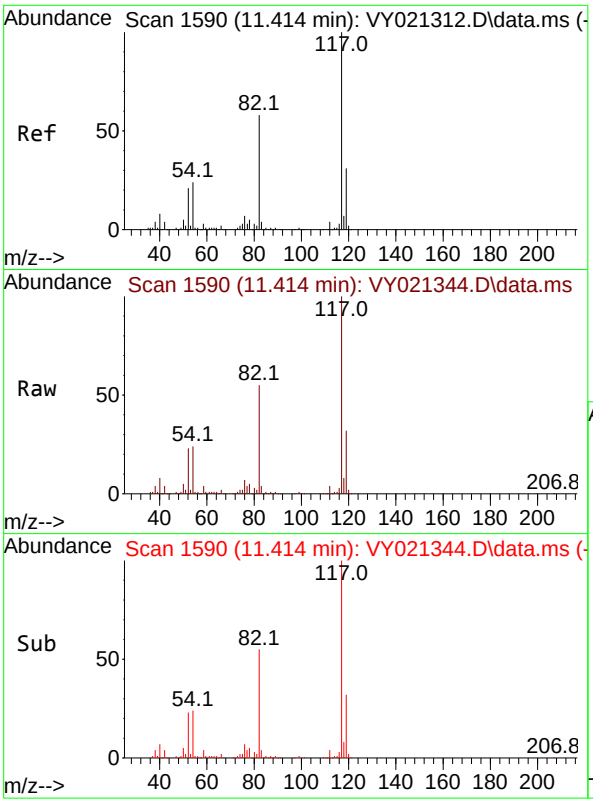


#62
4-Bromofluorobenzene
Concen: 44.933 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 95 Resp: 131584

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	168.0
176	80.5	0.0	162.6



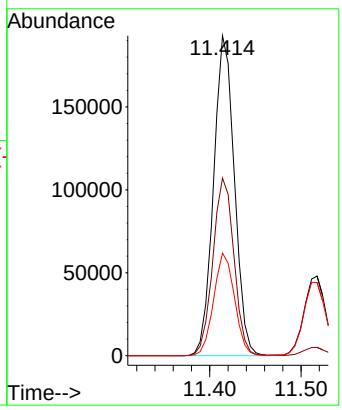


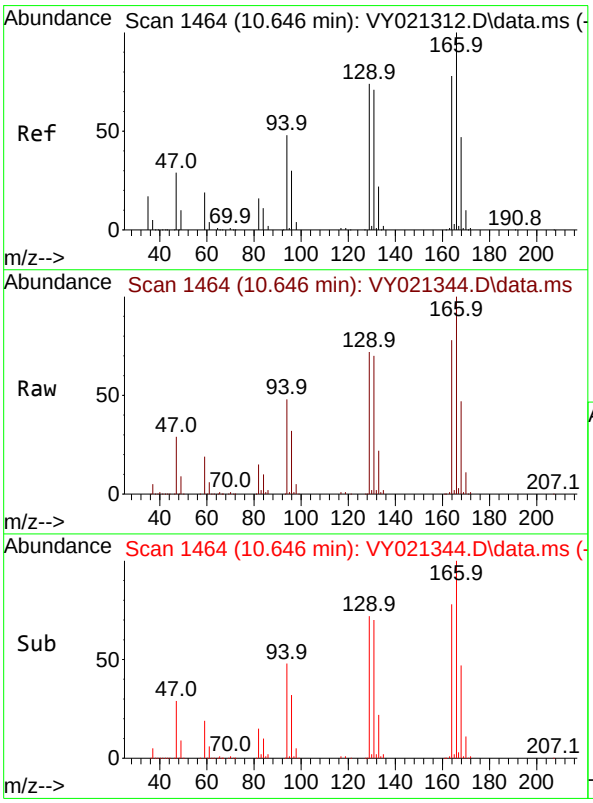
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 305969

Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.2	69.4
119	32.0	24.9	37.3

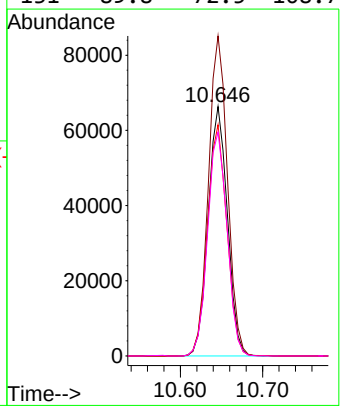


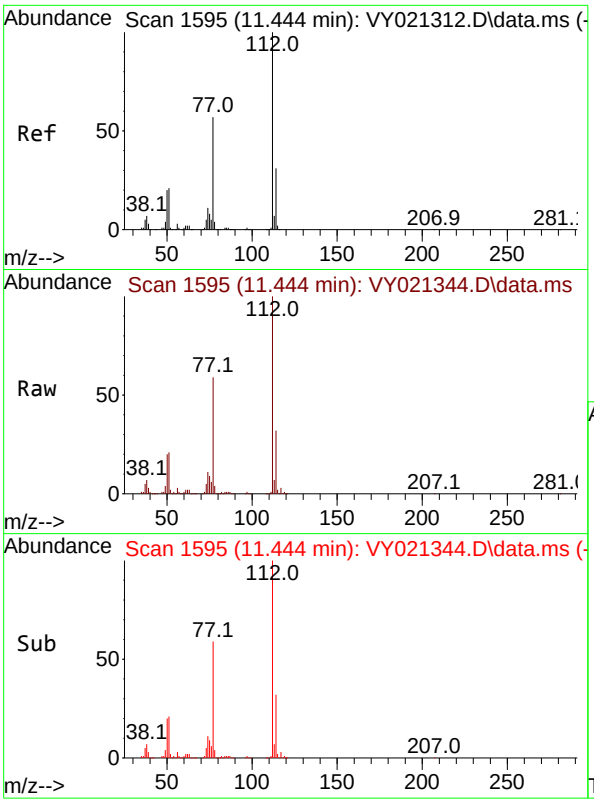


#64
Tetrachloroethene
Concen: 46.783 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:164 Resp: 108193

Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.9	152.9
129	92.7	75.5	113.3
131	89.8	72.5	108.7



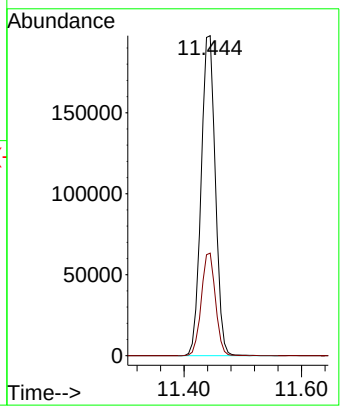


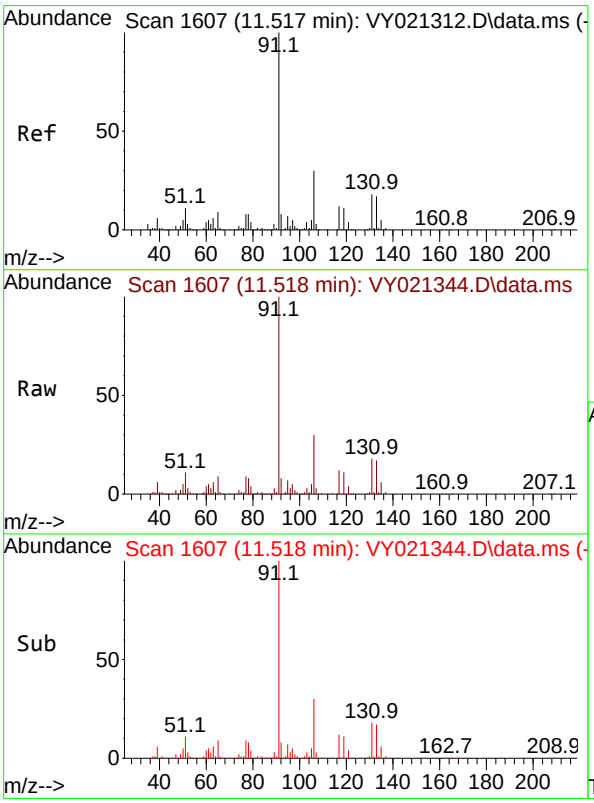
#65
Chlorobenzene
Concen: 48.330 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 331937

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6

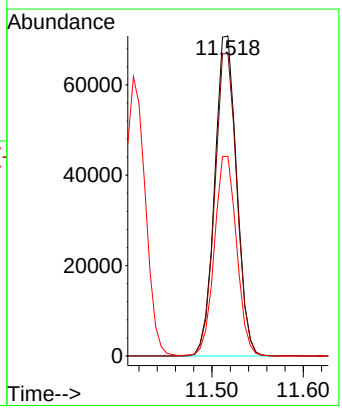


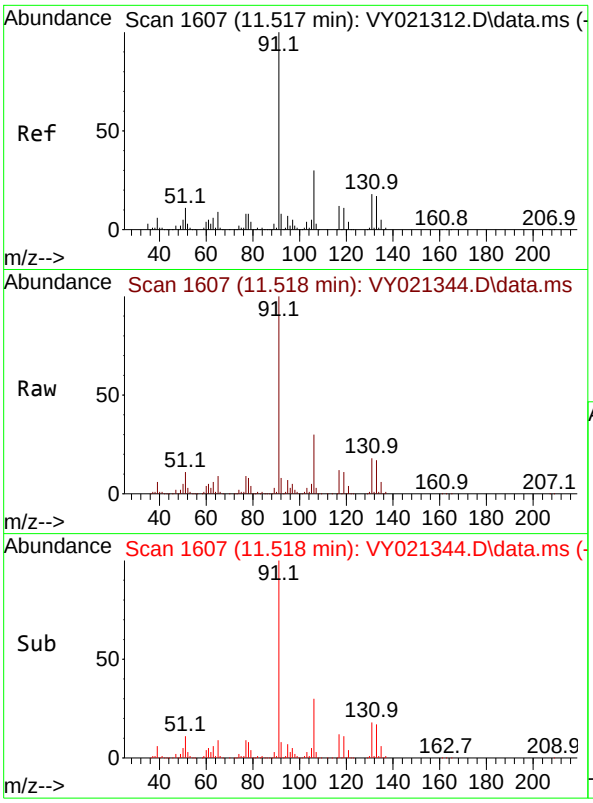


#66
1,1,1,2-Tetrachloroethane
Concen: 49.313 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:131 Resp: 118595

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.9	143.6
119	63.2	31.7	95.1



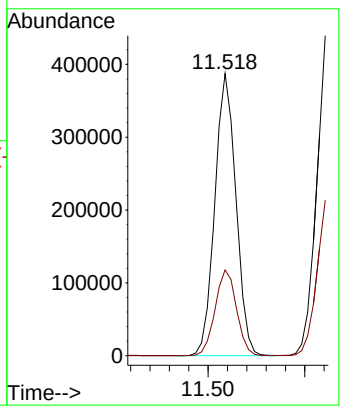


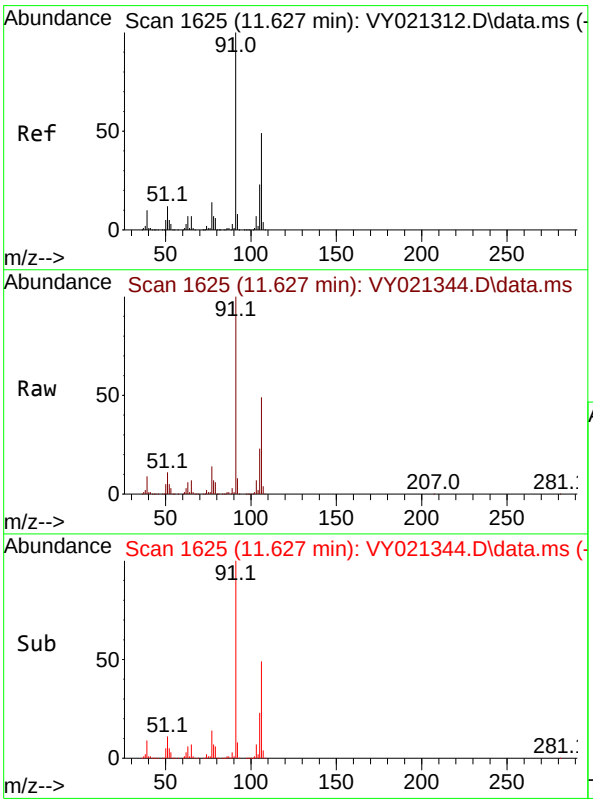
#67
Ethyl Benzene
Concen: 48.106 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 585231

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.4	36.6

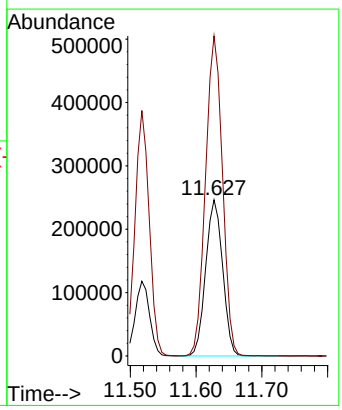


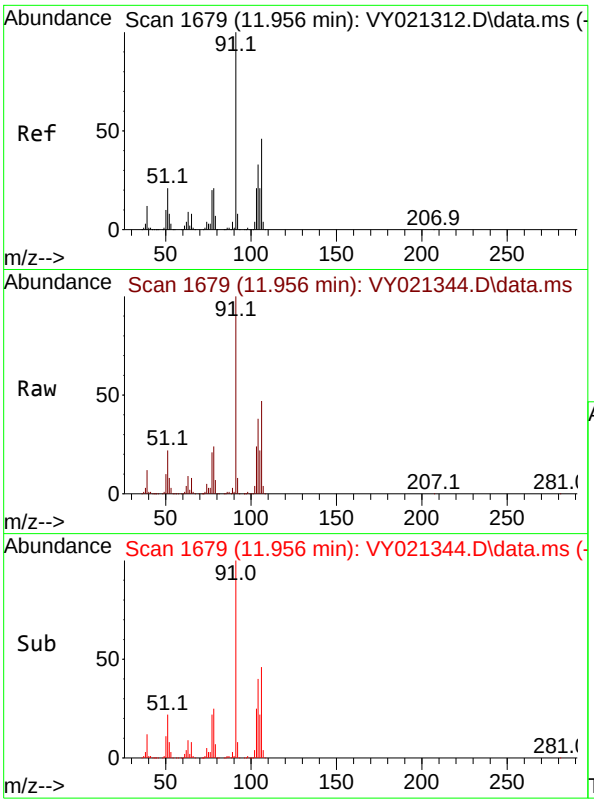


#68
m/p-Xylenes
Concen: 96.556 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:106 Resp: 441830

Ion	Ratio	Lower	Upper
106	100		
91	205.2	163.9	245.9



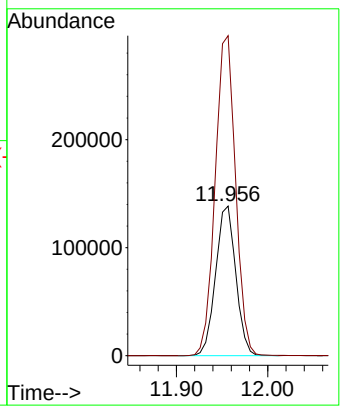


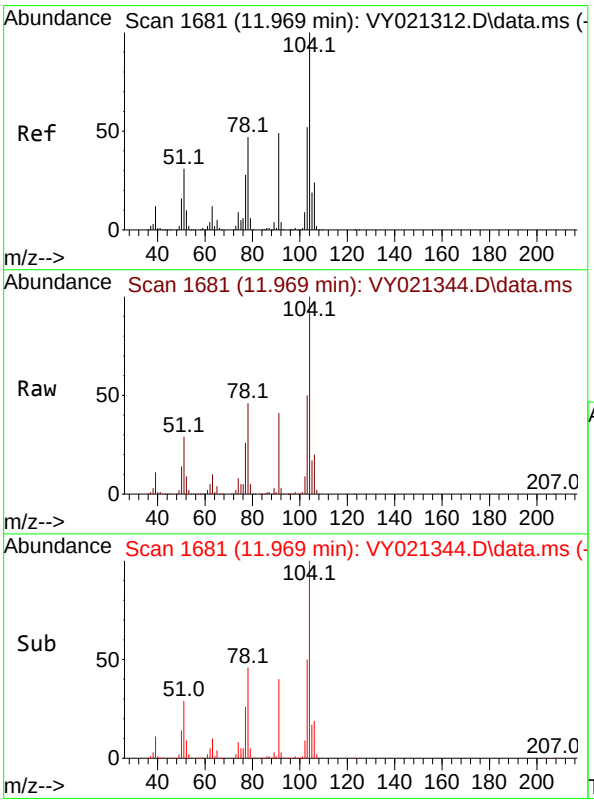
#69
o-Xylene
Concen: 49.544 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 212382

Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.1	324.2

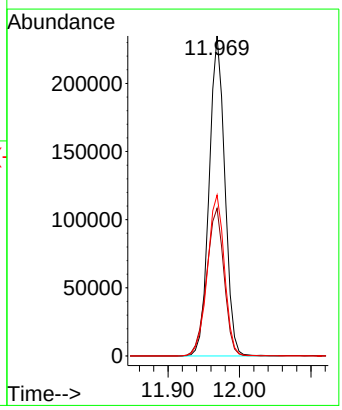


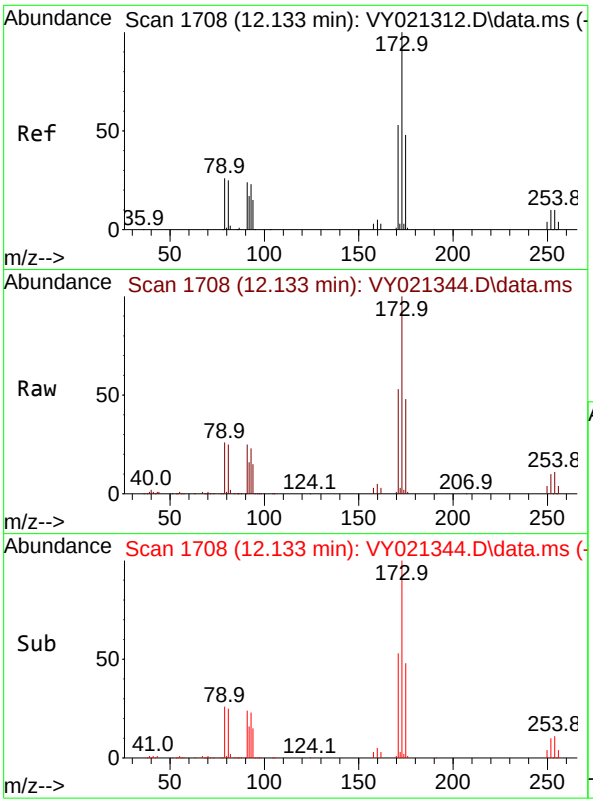


#70
Styrene
Concen: 50.170 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:104 Resp: 357830

Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.3	61.9
103	54.8	43.9	65.9



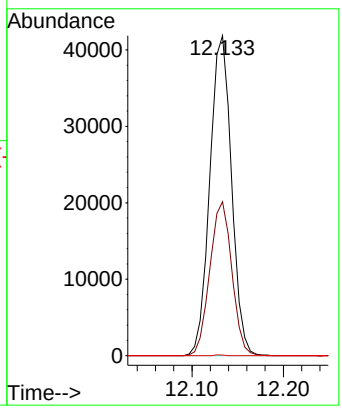


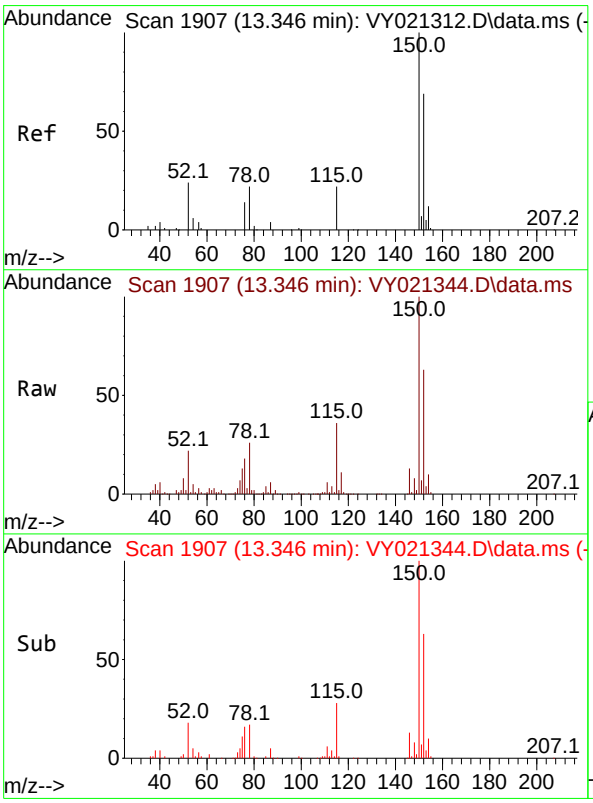
#71
Bromoform
Concen: 50.071 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 68887

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.1	0.1	0.1

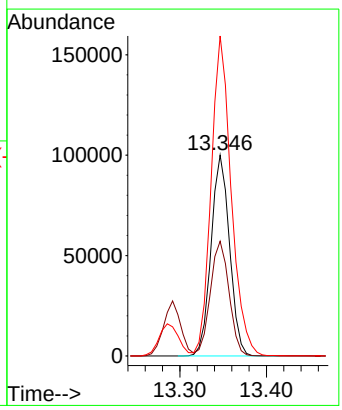


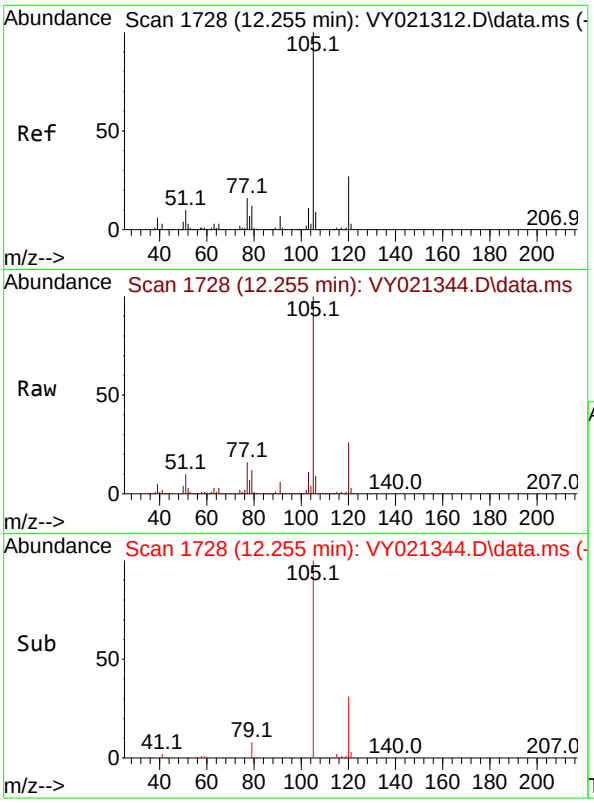


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:152 Resp: 148168

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.3	88.0
150	173.1	0.0	347.4



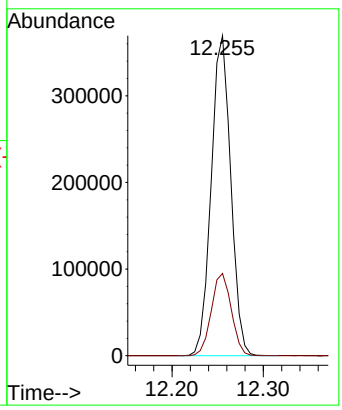


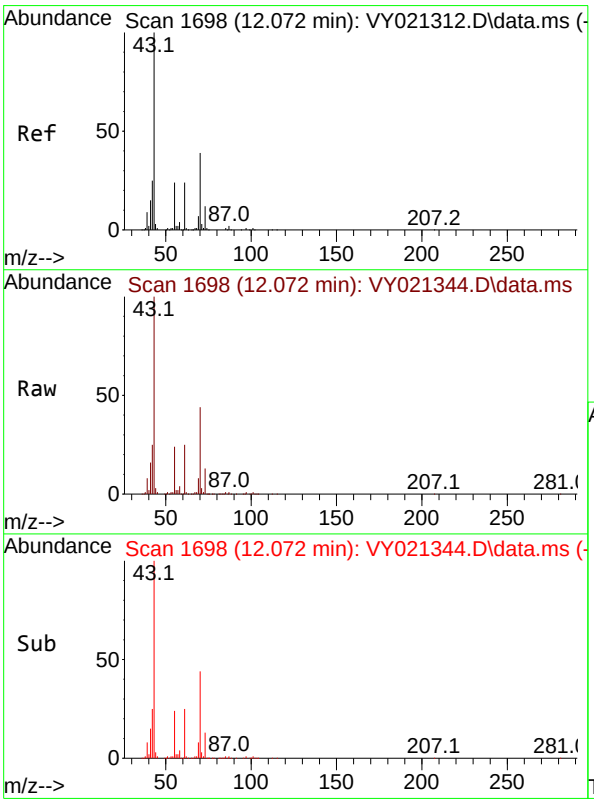
#73
Isopropylbenzene
Concen: 49.240 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 548496

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.8

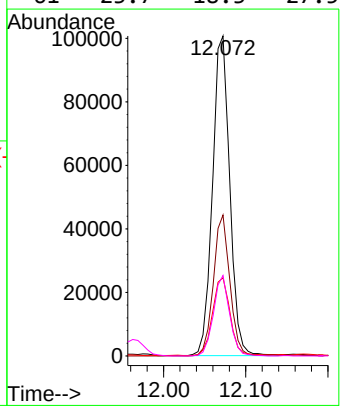


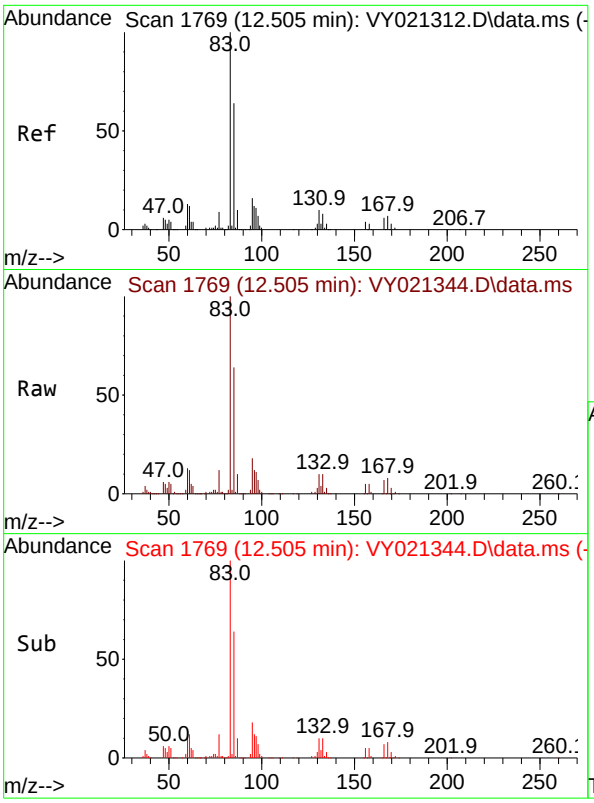


#74
N-amyl acetate
Concen: 51.825 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 43 Resp: 146735

Ion	Ratio	Lower	Upper
43	100		
70	42.1	32.2	48.2
55	24.8	19.6	29.4
61	23.7	18.3	27.5



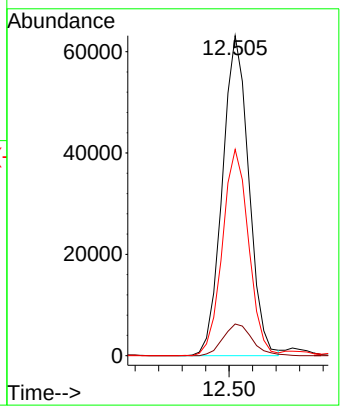


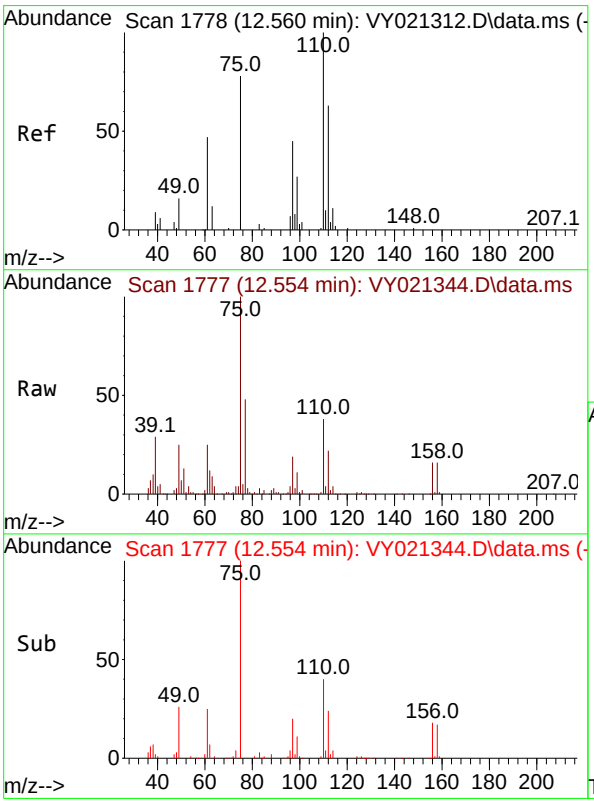
#75
1,1,2,2-Tetrachloroethane
Concen: 50.176 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 98641

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.2	15.6
85	64.0	32.0	96.0

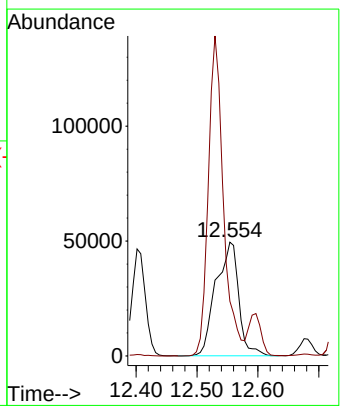


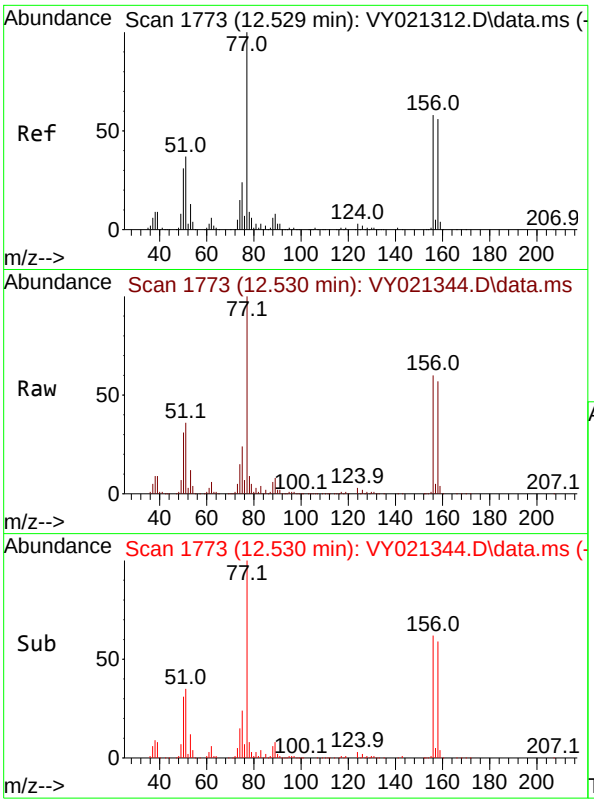


#76
1,2,3-Trichloropropane
Concen: 86.792 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 128720

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



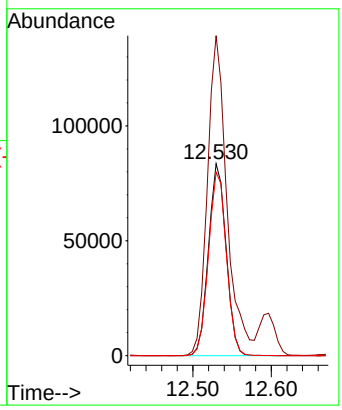


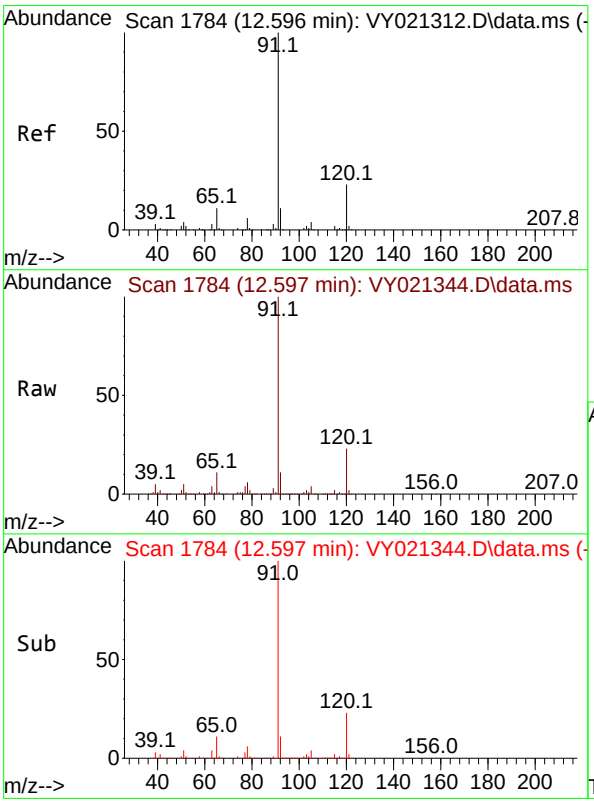
#77
Bromobenzene
Concen: 50.469 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 130762

Ion	Ratio	Lower	Upper
156	100		
77	184.7	94.0	282.1
158	96.6	48.7	146.1

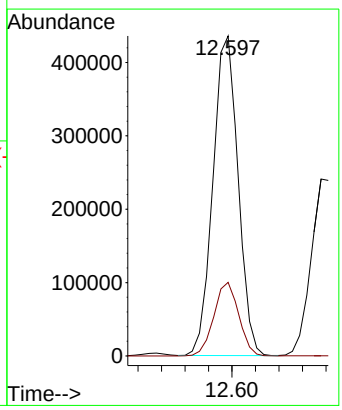


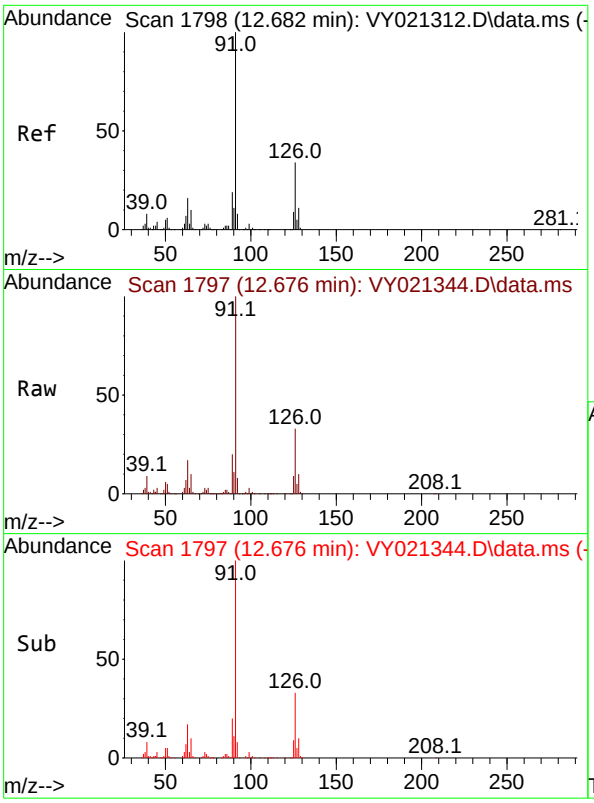


#78
n-propylbenzene
Concen: 47.897 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 647434

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.5



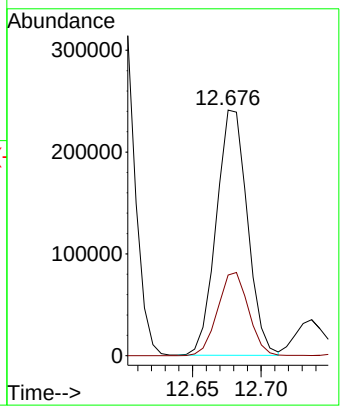


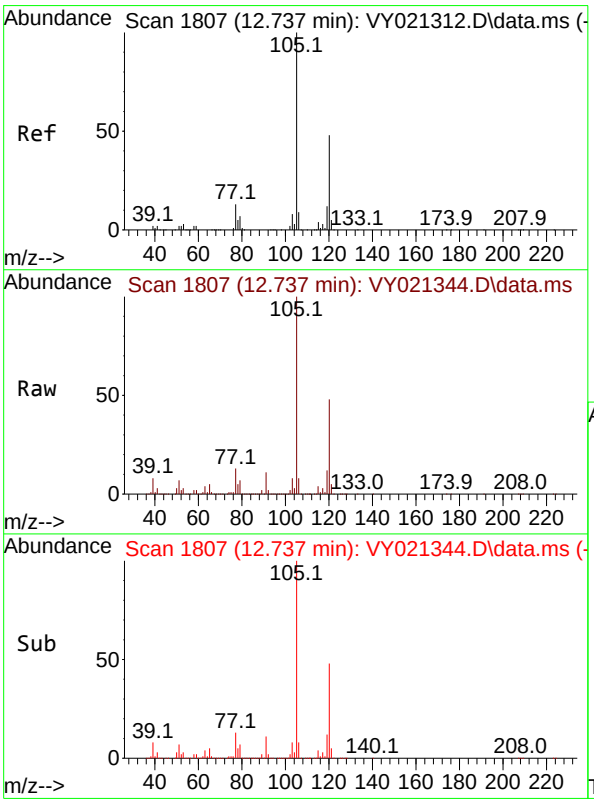
#79
2-Chlorotoluene
Concen: 49.187 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 381569

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6

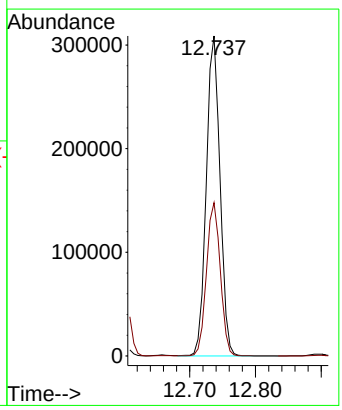


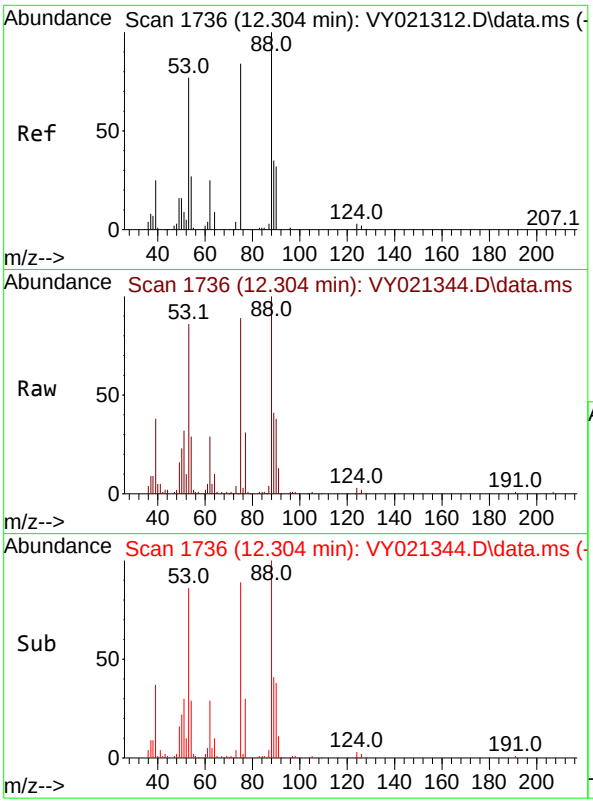


#80
1,3,5-Trimethylbenzene
Concen: 49.048 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 448101

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	73.0



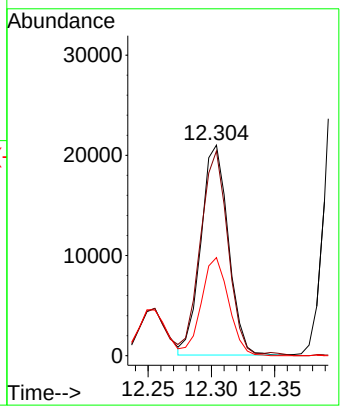


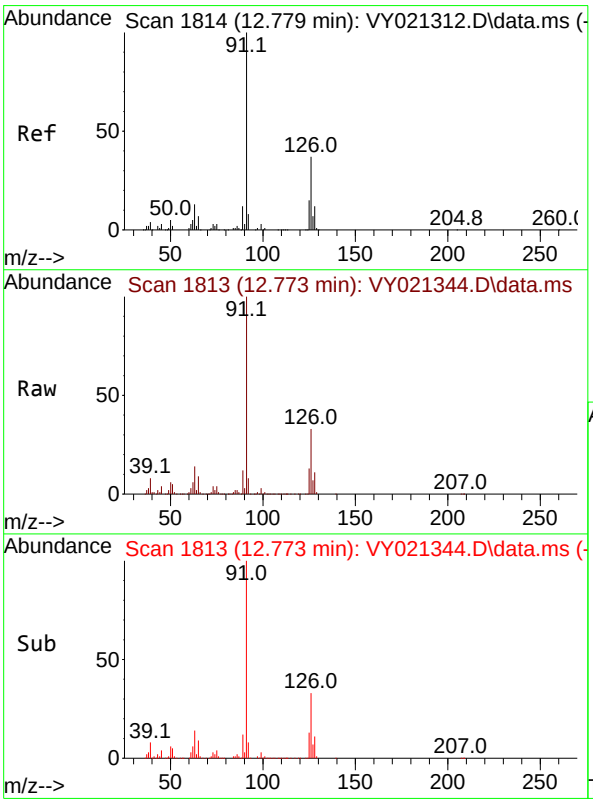
#81
trans-1,4-Dichloro-2-butene
Concen: 47.460 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 31668

Ion	Ratio	Lower	Upper
75	100		
53	95.9	79.1	118.7
89	46.7	35.6	53.4

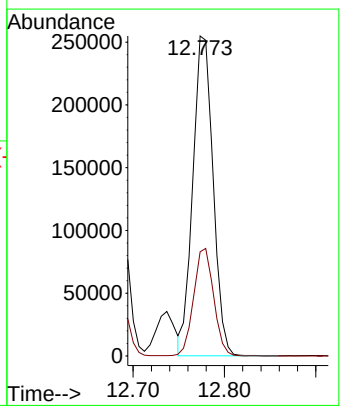


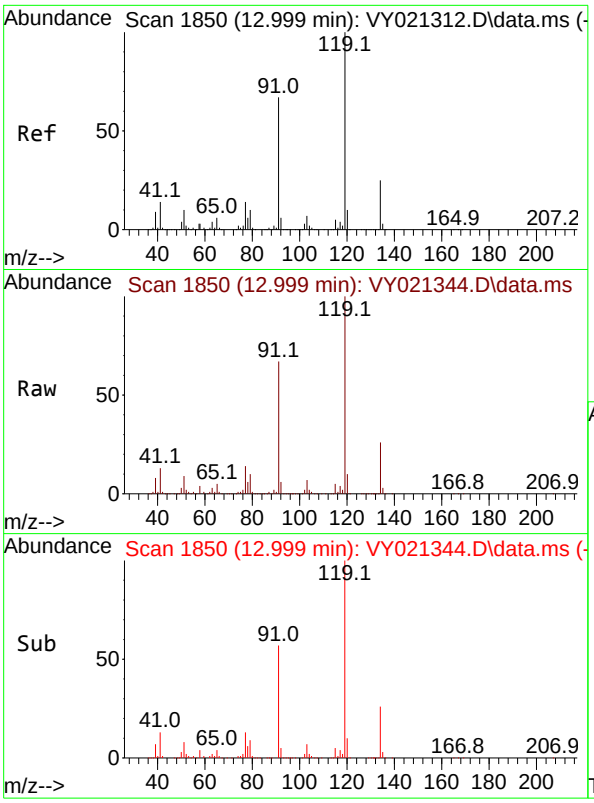


#82
4-Chlorotoluene
Concen: 48.755 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 91 Resp: 392065

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4



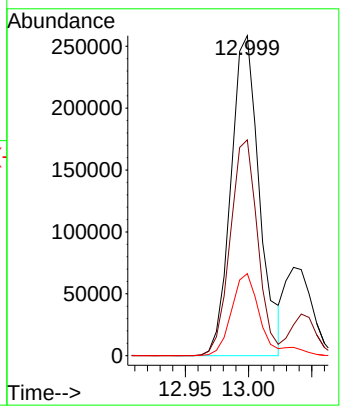


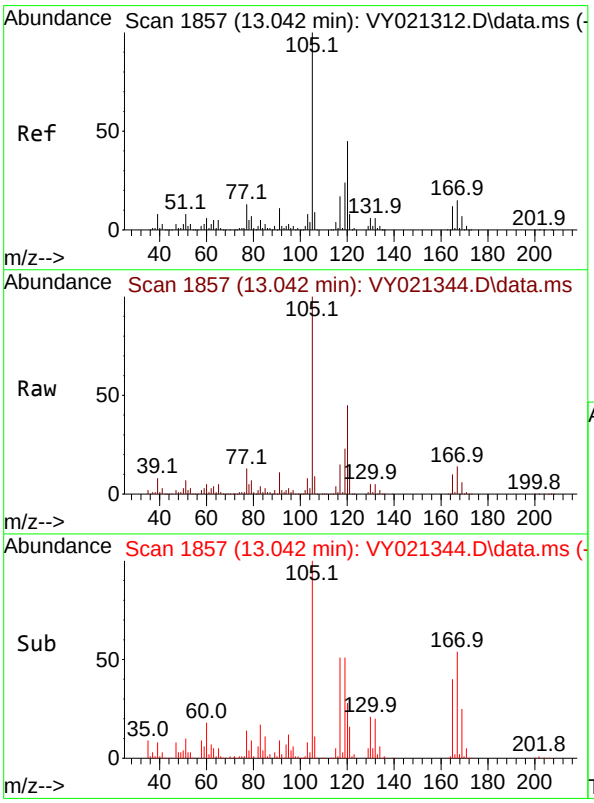
#83
tert-Butylbenzene
Concen: 49.124 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 405401

Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.7	98.1
134	26.5	13.3	39.9

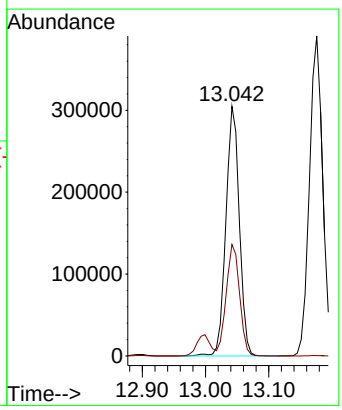


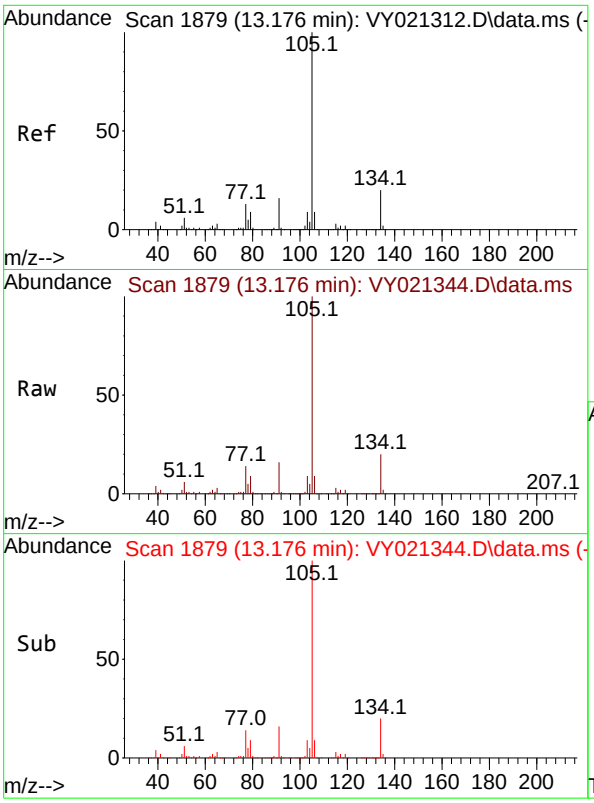


#84
1,2,4-Trimethylbenzene
Concen: 49.422 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:105 Resp: 449054

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.3



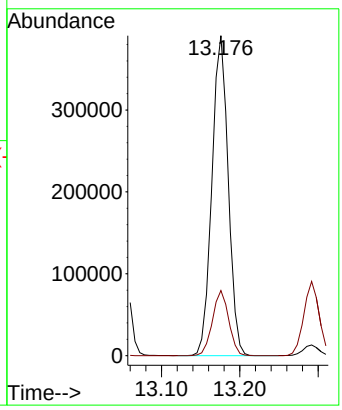


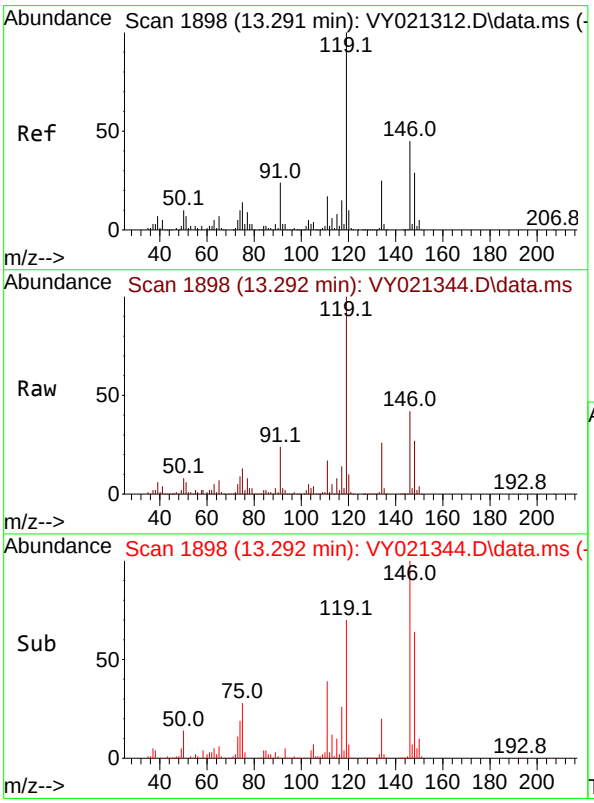
#85
sec-Butylbenzene
Concen: 46.848 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 564734

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0

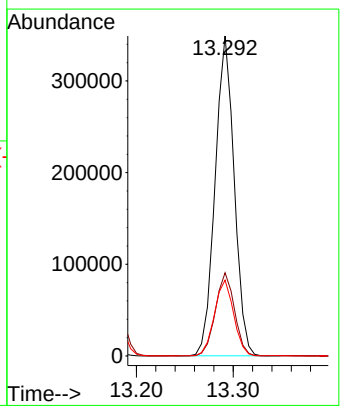


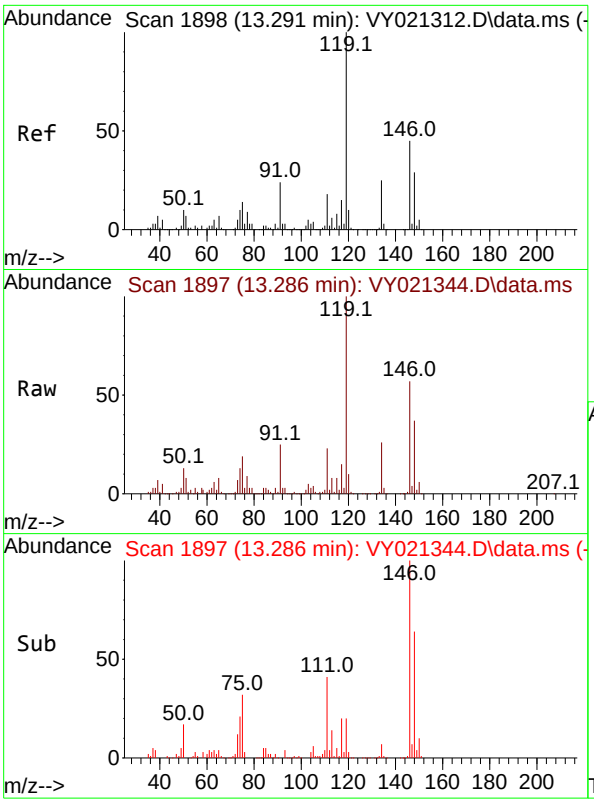


#86
p-Isopropyltoluene
Concen: 47.399 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:119 Resp: 477095

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	23.9	12.0	36.1



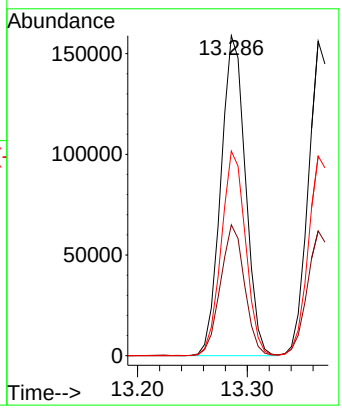


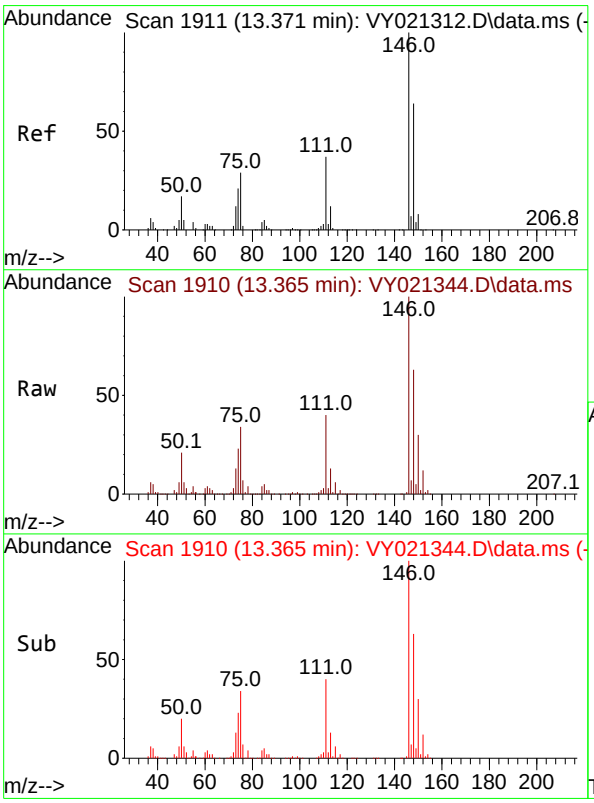
#87
1,3-Dichlorobenzene
Concen: 48.238 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 247228

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.3	31.9	95.9

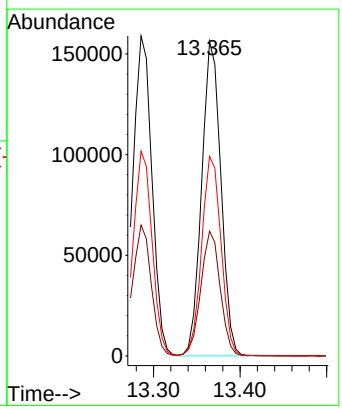


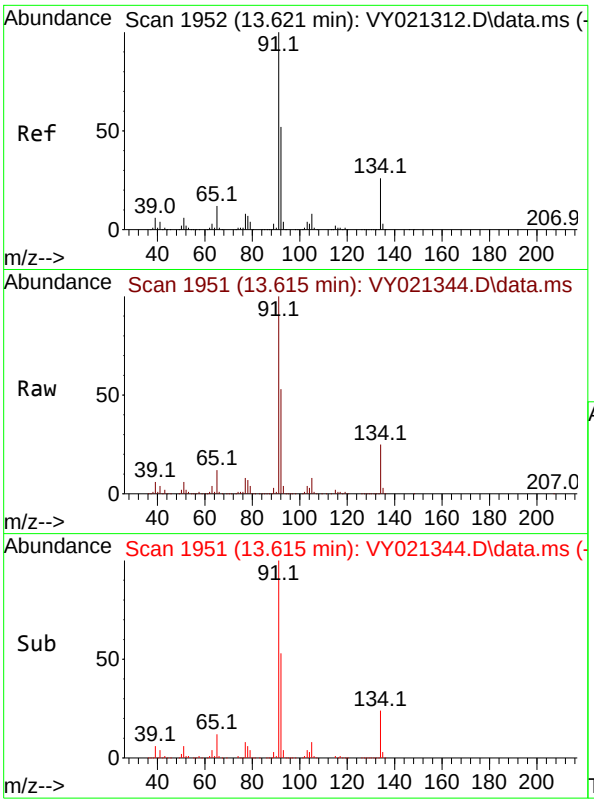


#88
1,4-Dichlorobenzene
Concen: 47.661 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:146 Resp: 241313

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.5	58.5
148	64.0	32.0	96.2



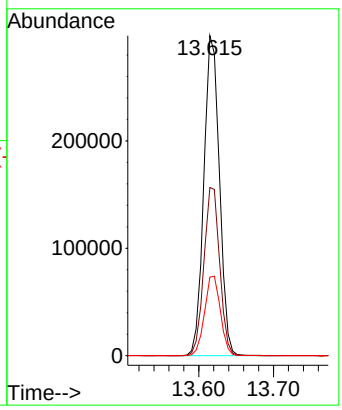


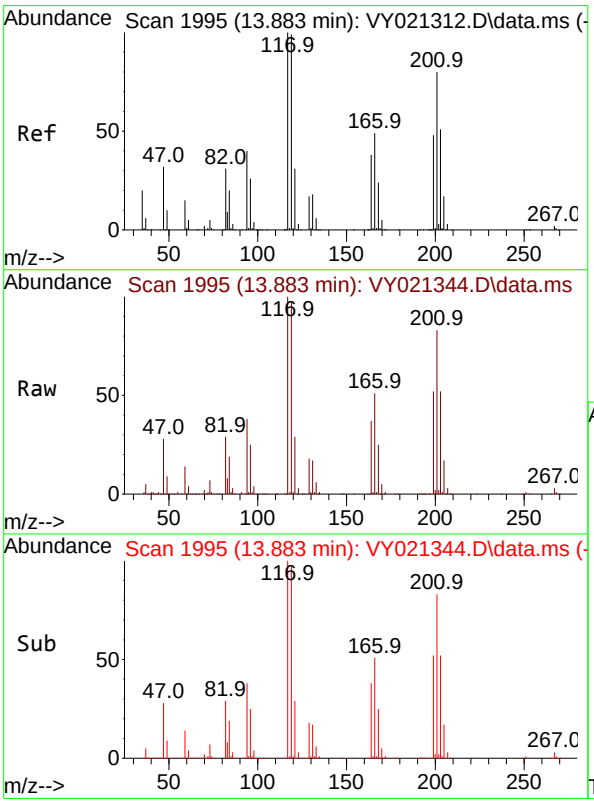
#89
n-Butylbenzene
Concen: 45.583 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 431776

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	25.3	12.7	38.0

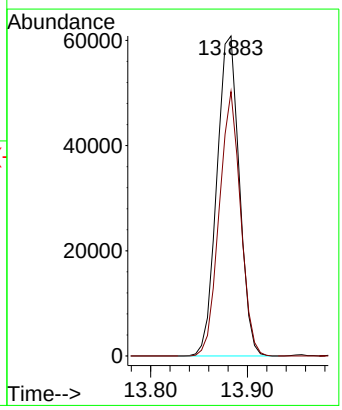


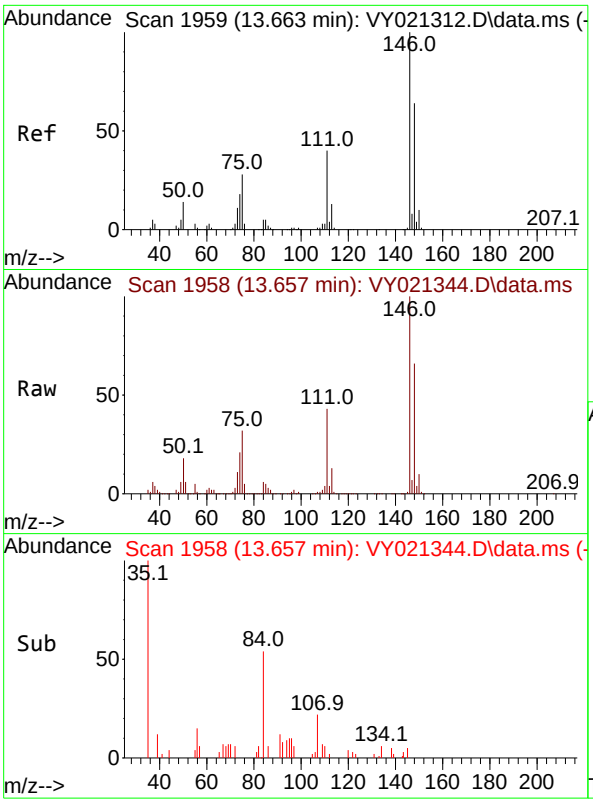


#90
Hexachloroethane
Concen: 46.606 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:117 Resp: 97989

Ion	Ratio	Lower	Upper
117	100		
201	78.2	38.4	115.2



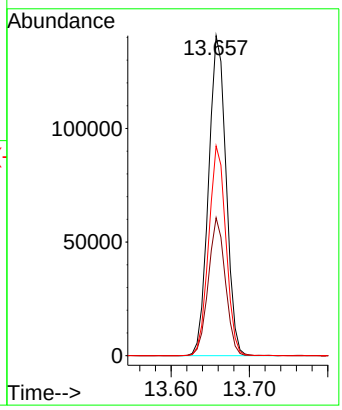


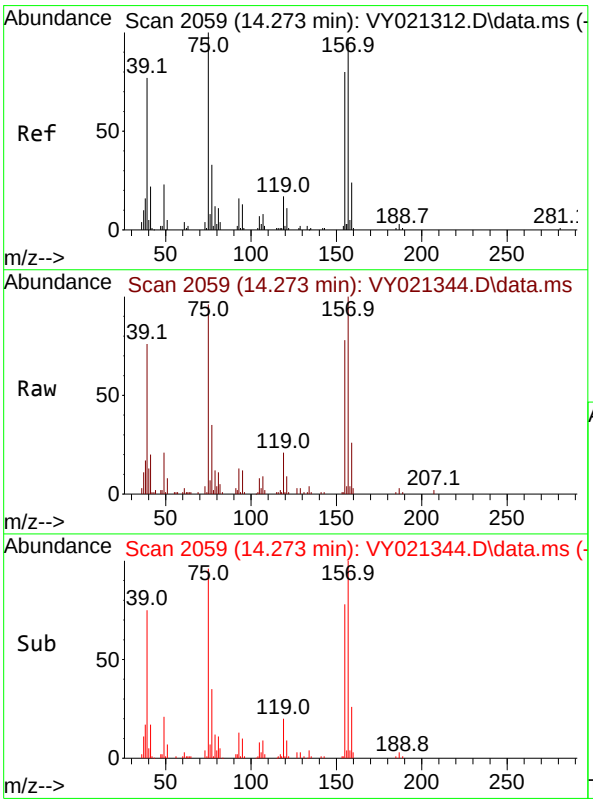
#91
1,2-Dichlorobenzene
Concen: 48.659 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 218493

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	64.6	31.7	95.1

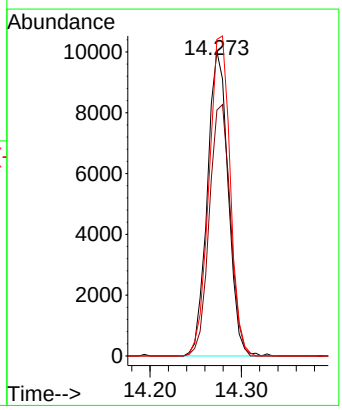


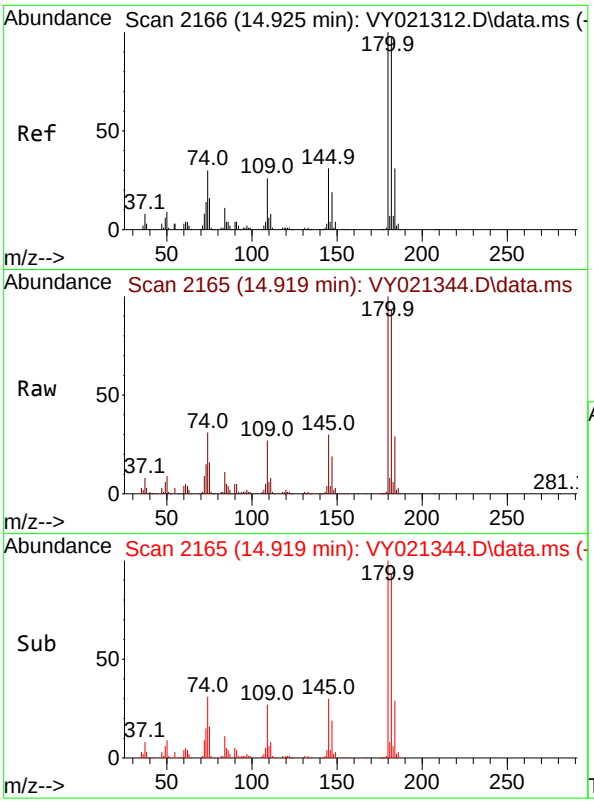


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.037 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion: 75 Resp: 15872

Ion	Ratio	Lower	Upper
75	100		
155	83.3	41.9	125.6
157	106.6	52.5	157.6



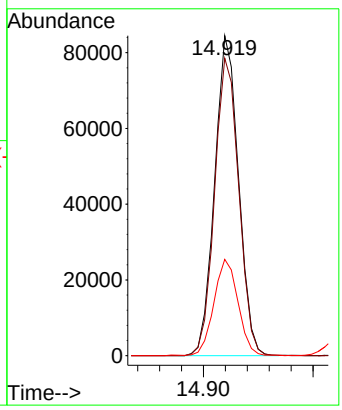


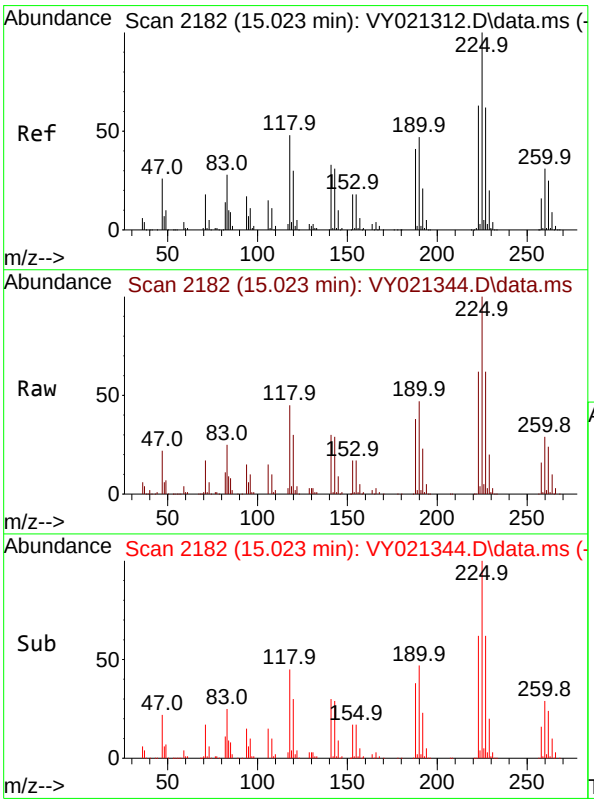
#93
1,2,4-Trichlorobenzene
Concen: 46.535 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 127534

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.7
145	30.6	15.6	46.8

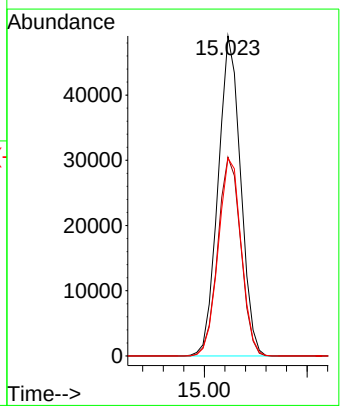


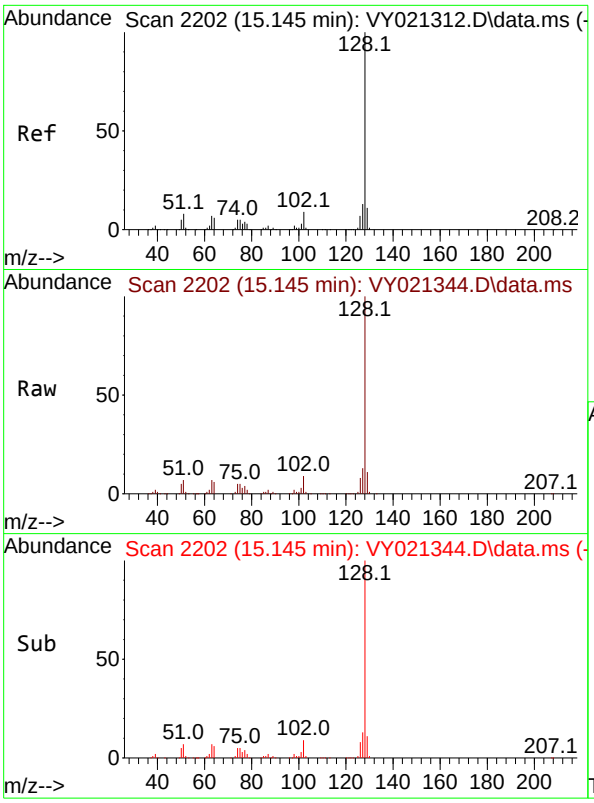


#94
Hexachlorobutadiene
Concen: 43.221 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:225 Resp: 74574

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	95.4
227	63.0	31.9	95.7



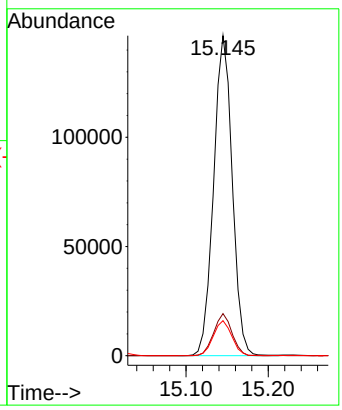


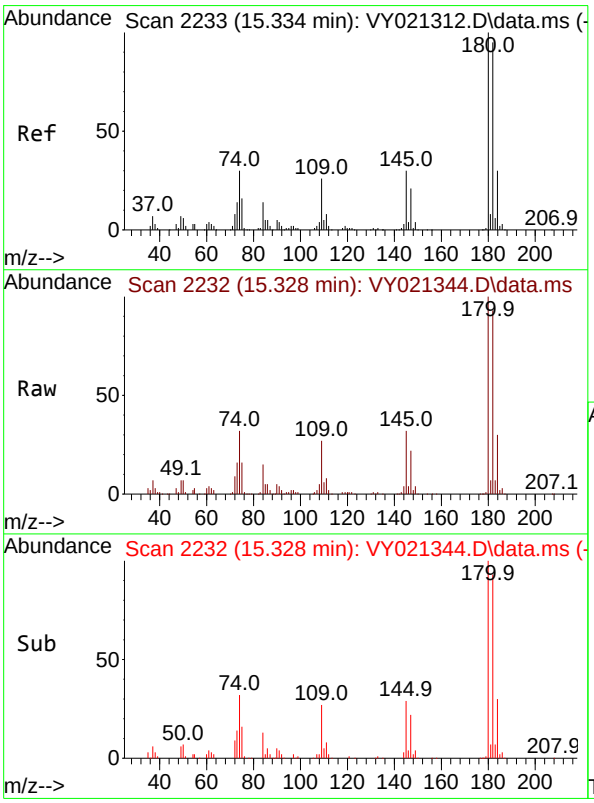
#95
Naphthalene
Concen: 50.863 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

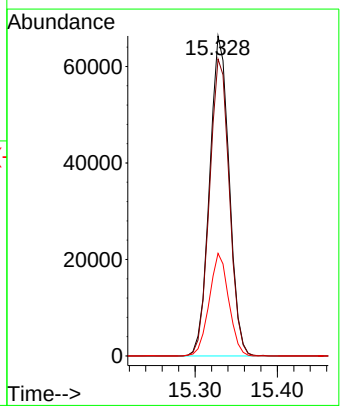
Tgt Ion:128 Resp: 230889

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.5	12.7





#96
1,2,3-Trichlorobenzene
Concen: 47.484 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY021344.D
Acq: 26 Feb 2025 20:06

Tgt Ion:180 Resp: 109952

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.3	144.9
145	31.9	16.1	48.3