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

Order ID : Q1283

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q1283-01	VPB-192-HYD-20250131
Q1283-02	BP-VPB-192-TB-20250130
Q1283-03	BP-VPB-192-EB-20250131
Q1283-04	BP-VPB-192-GW-480-482
Q1283-05	BP-VPB-192-GW-500-502

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

Signature : _____

Date: 2/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager: Ernie Wu
Chemtech Project # Q1283
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
5 Water samples were received on 02/03/2025.

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

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

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

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

The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

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

The Sample #VPB-192-HYD-20250131 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1283 MATRIX: Water

METHOD: 8260D

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

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

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

NA NO YES

ADDITIONAL COMMENTS:

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

The Sample #VPB-192-HYD-20250131 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

The not QT review data is reported in the Miscellaneous.

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

QA REVIEW

Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1283

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

QA Review Signature: **SOHIL JODHANI** **Date: 02/13/2025**

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LAB CHRONICLE

OrderID:	Q1283	**OrderDate:**	2/3/2025 4:41:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	D11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1283-01	**VPB-192-HYD-20250131**	**Water**			**01/31/25**			**02/03/25**
			VOCMS Group1	8260-Low			02/11/25	
Q1283-02	**BP-VPB-192-TB-20250130**	**Water**			**01/30/25**			**02/03/25**
			VOCMS Group1	8260-Low			02/11/25	
Q1283-03	**BP-VPB-192-EB-20250131**	**Water**			**01/31/25**			**02/03/25**
			VOCMS Group1	8260-Low			02/11/25	
Q1283-04	**BP-VPB-192-GW-480-482**	**Water**			**01/30/25**			**02/03/25**
			VOCMS Group1	8260-Low			02/11/25	
Q1283-05	**BP-VPB-192-GW-500-502**	**Water**			**01/31/25**			**02/03/25**
			VOCMS Group1	8260-Low			02/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1283

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**VPB-192-HYD-20250131**								
Q1283-01	VPB-192-HYD-202	Water	Acetone	1.90	J	1.40	3.80	5.00	ug/L
Q1283-01	VPB-192-HYD-202	Water	Dibromochloromethane	1.20		0.18	0.50	1.00	ug/L
			Total Voc :	3.10					
			Total Concentration:	3.10					
Client ID:	**BP-VPB-192-TB-20250130**								
Q1283-02	BP-VPB-192-TB-2(	Water	Acetone	1.60	J	1.40	3.80	5.00	ug/L
			Total Voc :	1.60					
			Total Concentration:	1.60					
Client ID:	**BP-VPB-192-EB-20250131**								
Q1283-03	BP-VPB-192-EB-2(	Water	Acetone	3.20	J	1.40	3.80	5.00	ug/L
			Total Voc :	3.20					
			Total Concentration:	3.20					
Client ID:	**BP-VPB-192-GW-480-482**								
Q1283-04	BP-VPB-192-GW-4	Water	Acetone	6.70		1.40	3.80	5.00	ug/L
Q1283-04	BP-VPB-192-GW-4	Water	Carbon Disulfide	0.45	J	0.32	0.75	1.00	ug/L
			Total Voc :	7.15					
			Total Concentration:	7.15					
Client ID:	**BP-VPB-192-GW-500-502**								
Q1283-05	BP-VPB-192-GW-5	Water	Acetone	4.80	J	1.40	3.80	5.00	ug/L
			Total Voc :	4.80					
			Total Concentration:	4.80					

QC SUMMARY

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Surrogate Summary

SDG No.: Q1283

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1283-01	VPB-192-HYD-20250131	1,2-Dichloroethane-d4	50	53.3	107	81	118
		Dibromofluoromethane	50	49.3	99	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	51.0	102	85	114
Q1283-02	BP-VPB-192-TB-20250130	1,2-Dichloroethane-d4	50	53.5	107	81	118
		Dibromofluoromethane	50	49.4	99	80	119
		Toluene-d8	50	50.3	101	89	112
		4-Bromofluorobenzene	50	52.1	104	85	114
Q1283-03	BP-VPB-192-EB-20250131	1,2-Dichloroethane-d4	50	52.9	106	81	118
		Dibromofluoromethane	50	50.4	101	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	51.8	104	85	114
Q1283-04	BP-VPB-192-GW-480-482	1,2-Dichloroethane-d4	50	54.4	109	81	118
		Dibromofluoromethane	50	50.3	101	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	53.6	107	85	114
Q1283-05	BP-VPB-192-GW-500-502	1,2-Dichloroethane-d4	50	53.0	106	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	49.6	99	89	112
		4-Bromofluorobenzene	50	51.6	103	85	114
VX0211WBL01	VX0211WBL01	1,2-Dichloroethane-d4	50	53.5	107	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	50.3	100	89	112
		4-Bromofluorobenzene	50	52.4	105	85	114
VX0211WBS01	VX0211WBS01	1,2-Dichloroethane-d4	50	43.8	88	81	118
		Dibromofluoromethane	50	45.5	91	80	119
		Toluene-d8	50	46.2	92	89	112
		4-Bromofluorobenzene	50	47.4	95	85	114
VX0211WBSD0	VX0211WBSD01	1,2-Dichloroethane-d4	50	49.4	99	81	118
		Dibromofluoromethane	50	48.8	98	80	119
		Toluene-d8	50	49.0	98	89	112
		4-Bromofluorobenzene	50	49.6	99	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1283

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044896.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0211WBS01	Chloromethane	20	17.8	ug/L	89			50	139	
	Vinyl chloride	20	17.9	ug/L	90			58	137	
	Bromomethane	20	19.0	ug/L	95			53	141	
	Chloroethane	20	22.6	ug/L	113			60	138	
	Trichlorofluoromethane	20	18.3	ug/L	92			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.5	ug/L	93			70	136	
	1,1-Dichloroethene	20	18.0	ug/L	90			71	131	
	Acetone	100	88.2	ug/L	88			39	160	
	Carbon disulfide	20	17.2	ug/L	86			64	133	
	Methyl tert-butyl Ether	20	17.8	ug/L	89			71	124	
	Methylene Chloride	20	17.8	ug/L	89			74	124	
	trans-1,2-Dichloroethene	20	18.0	ug/L	90			75	124	
	1,1-Dichloroethane	20	18.1	ug/L	91			77	125	
	2-Butanone	100	90.3	ug/L	90			56	143	
	Carbon Tetrachloride	20	19.3	ug/L	97			72	136	
	cis-1,2-Dichloroethene	20	18.6	ug/L	93			78	123	
	Chloroform	20	18.5	ug/L	93			79	124	
	1,1,1-Trichloroethane	20	18.1	ug/L	91			74	131	
	Methylcyclohexane	20	20.3	ug/L	102			72	132	
	Benzene	20	19.2	ug/L	96			79	120	
	1,2-Dichloroethane	20	19.7	ug/L	99			73	128	
	Trichloroethene	20	19.2	ug/L	96			79	123	
	1,2-Dichloropropane	20	19.1	ug/L	96			78	122	
	Bromodichloromethane	20	19.5	ug/L	98			79	125	
	4-Methyl-2-Pentanone	100	99.3	ug/L	99			67	130	
	Toluene	20	19.5	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	18.6	ug/L	93			73	127	
	cis-1,3-Dichloropropene	20	19.1	ug/L	96			75	124	
	1,1,2-Trichloroethane	20	19.8	ug/L	99			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	19.0	ug/L	95			74	126	
	Tetrachloroethene	20	18.8	ug/L	94			74	129	
	Chlorobenzene	20	19.0	ug/L	95			82	118	
	Ethyl Benzene	20	19.1	ug/L	96			79	121	
	m/p-Xylenes	40	38.9	ug/L	97			80	121	
	o-Xylene	20	19.2	ug/L	96			78	122	
	Styrene	20	19.3	ug/L	97			78	123	
	Bromoform	20	19.2	ug/L	96			66	130	
	Isopropylbenzene	20	18.4	ug/L	92			72	131	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			71	121	
	1,3-Dichlorobenzene	20	19.2	ug/L	96			80	119	
	1,4-Dichlorobenzene	20	18.7	ug/L	94			79	118	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1283

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044897.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0211WBSD01	Chloromethane	20	18.7	ug/L	94	5		50	139	20
	Vinyl chloride	20	19.2	ug/L	96	6		58	137	20
	Bromomethane	20	20.1	ug/L	101	6		53	141	20
	Chloroethane	20	18.9	ug/L	95	17		60	138	20
	Trichlorofluoromethane	20	19.5	ug/L	98	6		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/L	102	9		70	136	20
	1,1-Dichloroethene	20	19.3	ug/L	97	7		71	131	20
	Acetone	100	100	ug/L	100	13		39	160	20
	Carbon disulfide	20	18.6	ug/L	93	8		64	133	20
	Methyl tert-butyl Ether	20	20.2	ug/L	101	13		71	124	20
	Methylene Chloride	20	19.6	ug/L	98	10		74	124	20
	trans-1,2-Dichloroethene	20	19.7	ug/L	99	10		75	124	20
	1,1-Dichloroethane	20	19.6	ug/L	98	7		77	125	20
	2-Butanone	100	100	ug/L	100	11		56	143	20
	Carbon Tetrachloride	20	20.0	ug/L	100	3		72	136	20
	cis-1,2-Dichloroethene	20	20.0	ug/L	100	7		78	123	20
	Chloroform	20	19.7	ug/L	99	6		79	124	20
	1,1,1-Trichloroethane	20	19.6	ug/L	98	7		74	131	20
	Methylcyclohexane	20	20.8	ug/L	104	2		72	132	20
	Benzene	20	20.2	ug/L	101	5		79	120	20
	1,2-Dichloroethane	20	21.2	ug/L	106	7		73	128	20
	Trichloroethene	20	19.7	ug/L	99	3		79	123	20
	1,2-Dichloropropane	20	20.4	ug/L	102	6		78	122	20
	Bromodichloromethane	20	20.8	ug/L	104	6		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	11		67	130	20
	Toluene	20	20.9	ug/L	104	6		80	121	20
	t-1,3-Dichloropropene	20	20.0	ug/L	100	7		73	127	20
	cis-1,3-Dichloropropene	20	20.5	ug/L	103	7		75	124	20
	1,1,2-Trichloroethane	20	21.3	ug/L	106	7		80	119	20
	2-Hexanone	100	110	ug/L	110	10		57	139	20
	Dibromochloromethane	20	21.0	ug/L	105	10		74	126	20
	Tetrachloroethene	20	20.0	ug/L	100	6		74	129	20
	Chlorobenzene	20	20.3	ug/L	102	7		82	118	20
	Ethyl Benzene	20	20.5	ug/L	103	7		79	121	20
	m/p-Xylenes	40	41.7	ug/L	104	7		80	121	20
	o-Xylene	20	20.5	ug/L	103	7		78	122	20
	Styrene	20	20.9	ug/L	104	7		78	123	20
	Bromoform	20	20.4	ug/L	102	6		66	130	20
	Isopropylbenzene	20	20.5	ug/L	103	11		72	131	20
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102	9		71	121	20
	1,3-Dichlorobenzene	20	20.1	ug/L	101	5		80	119	20
	1,4-Dichlorobenzene	20	20.0	ug/L	100	6		79	118	20
	1,2-Dichlorobenzene	20	20.8	ug/L	104	7		80	119	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0211WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

Case No.: Q1283

SAS No.: Q1283

SDG NO.: Q1283

Lab File ID: VX044895.D

Lab Sample ID: VX0211WBL01

Date Analyzed: 02/11/2025

Time Analyzed: 11:00

GC Column: DB-624UI

ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0211WBS01	VX0211WBS01	VX044896.D	02/11/2025
VX0211WBSD01	VX0211WBSD01	VX044897.D	02/11/2025
VPB-192-HYD-20250131	Q1283-01	VX044900.D	02/11/2025
BP-VPB-192-TB-20250130	Q1283-02	VX044901.D	02/11/2025
BP-VPB-192-EB-20250131	Q1283-03	VX044902.D	02/11/2025
BP-VPB-192-GW-480-482	Q1283-04	VX044903.D	02/11/2025
BP-VPB-192-GW-500-502	Q1283-05	VX044904.D	02/11/2025

COMMENTS:

Raw Data: **VX044867.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH
Contract: TETR06
Lab Code: CHEM
Case No.: Q1283
SAS No.: Q1283
SDG NO.: Q1283
Lab File ID: VX044867.D
BFB Injection Date: 02/10/2025
Instrument ID: MSVOA_X
BFB Injection Time: 09:35
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

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

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

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

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

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH
Contract: TETR06
Lab Code: CHEM
Case No.: Q1283
SAS No.: Q1283
SDG NO.: Q1283
Lab File ID: VX044892.D
BFB Injection Date: 02/11/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:50
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.3
75	30.0 - 60.0% of mass 95	53.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	71.2
175	5.0 - 9.0% of mass 174	5.7 (7.9) 1
176	95.0 - 101.0% of mass 174	68.2 (95.8) 1
177	5.0 - 9.0% of mass 176	4.6 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX044893.D	02/11/2025	10:09
VX0211WBL01	VX0211WBL01	VX044895.D	02/11/2025	11:00
VX0211WBS01	VX0211WBS01	VX044896.D	02/11/2025	11:23
VX0211WBSD01	VX0211WBSD01	VX044897.D	02/11/2025	11:48
VPB-192-HYD-20250131	Q1283-01	VX044900.D	02/11/2025	12:57
BP-VPB-192-TB-20250130	Q1283-02	VX044901.D	02/11/2025	13:20
BP-VPB-192-EB-20250131	Q1283-03	VX044902.D	02/11/2025	13:43
BP-VPB-192-GW-480-482	Q1283-04	VX044903.D	02/11/2025	14:06
BP-VPB-192-GW-500-502	Q1283-05	VX044904.D	02/11/2025	14:29
VSTDCCC050EC	VSTDCCC050	VX044918.D	02/11/2025	19:50

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1283 SAS No.: Q1283 SDG NO.: Q1283

Lab File ID: VX044893.D Date Analyzed: 02/11/2025

Instrument ID: MSVOA_X Time Analyzed: 10:09

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	125474	5.54	221806	6.75	200705	10.05
UPPER LIMIT	250948	6.044	443612	7.251	401410	10.549
LOWER LIMIT	62737	5.044	110903	6.251	100353	9.549
EPA SAMPLE NO.						
VPB-192-HYD-20250131	91747	5.54	188311	6.76	169014	10.05
BP-VPB-192-TB-20250130	94281	5.54	193913	6.76	175364	10.05
BP-VPB-192-EB-20250131	94090	5.54	191976	6.76	173093	10.05
BP-VPB-192-GW-480-482	92053	5.55	188552	6.76	173671	10.05
BP-VPB-192-GW-500-502	94241	5.54	190687	6.76	172611	10.05
VX0211WBL01	98496	5.54	199075	6.76	183423	10.05
VX0211WBS01	122388	5.54	213544	6.76	190238	10.05
VX0211WBSD01	116406	5.54	211404	6.76	186335	10.05

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1283 SAS No.: Q1283 SDG NO.: Q1283

Lab File ID: VX044893.D Date Analyzed: 02/11/2025

Instrument ID: MSVOA_X Time Analyzed: 10:09

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

	IS4 AREA #	RT #				
12 HOUR STD	89456	12.018				
UPPER LIMIT	178912	12.518				
LOWER LIMIT	44728	11.518				
EPA SAMPLE NO.						
VPB-192-HYD-20250131	73561	12.02				
BP-VPB-192-TB-20250130	76629	12.02				
BP-VPB-192-EB-20250131	73691	12.02				
BP-VPB-192-GW-480-482	77145	12.02				
BP-VPB-192-GW-500-502	74263	12.02				
VX0211WBL01	79632	12.02				
VX0211WBS01	87843	12.02				
VX0211WBSD01	83644	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VX044900.D**

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

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/31/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	VPB-192-HYD-20250131	SDG No.:	Q1283
Lab Sample ID:	Q1283-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044900.D	1		02/11/25 12:57	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.90	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX044900.D**

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/31/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	VPB-192-HYD-20250131	SDG No.:	Q1283
Lab Sample ID:	Q1283-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044900.D	1		02/11/25 12:57	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	1.20		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.3		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	91700	5.544				
540-36-3	1,4-Difluorobenzene	188000	6.757				
3114-55-4	Chlorobenzene-d5	169000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	73600	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX044900.D**

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/31/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	VPB-192-HYD-20250131	SDG No.:	Q1283
Lab Sample ID:	Q1283-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044900.D	1		02/11/25 12:57	VX021125

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

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

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

Quantitation Report (QT Reviewed)

Sample Results: **VX044900.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044900.D
Acq On : 11 Feb 2025 12:57
Operator : JC/MD
Sample : Q1283-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250131

Quant Time: Feb 12 02:41:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	91747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188311	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	169014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	71542	53.270	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.540%			
35) Dibromofluoromethane	5.379	113	60372	49.310	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.620%			
50) Toluene-d8	8.647	98	229287	49.525	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.060%			
62) 4-Bromofluorobenzene	11.079	95	79624	51.016	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.040%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1018	1.886	ug/l	97
17) Carbon Disulfide	2.508	76	1018	0.314	ug/l #	76
60) Dibromochloromethane	9.525	129	1563	1.157	ug/l	95

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

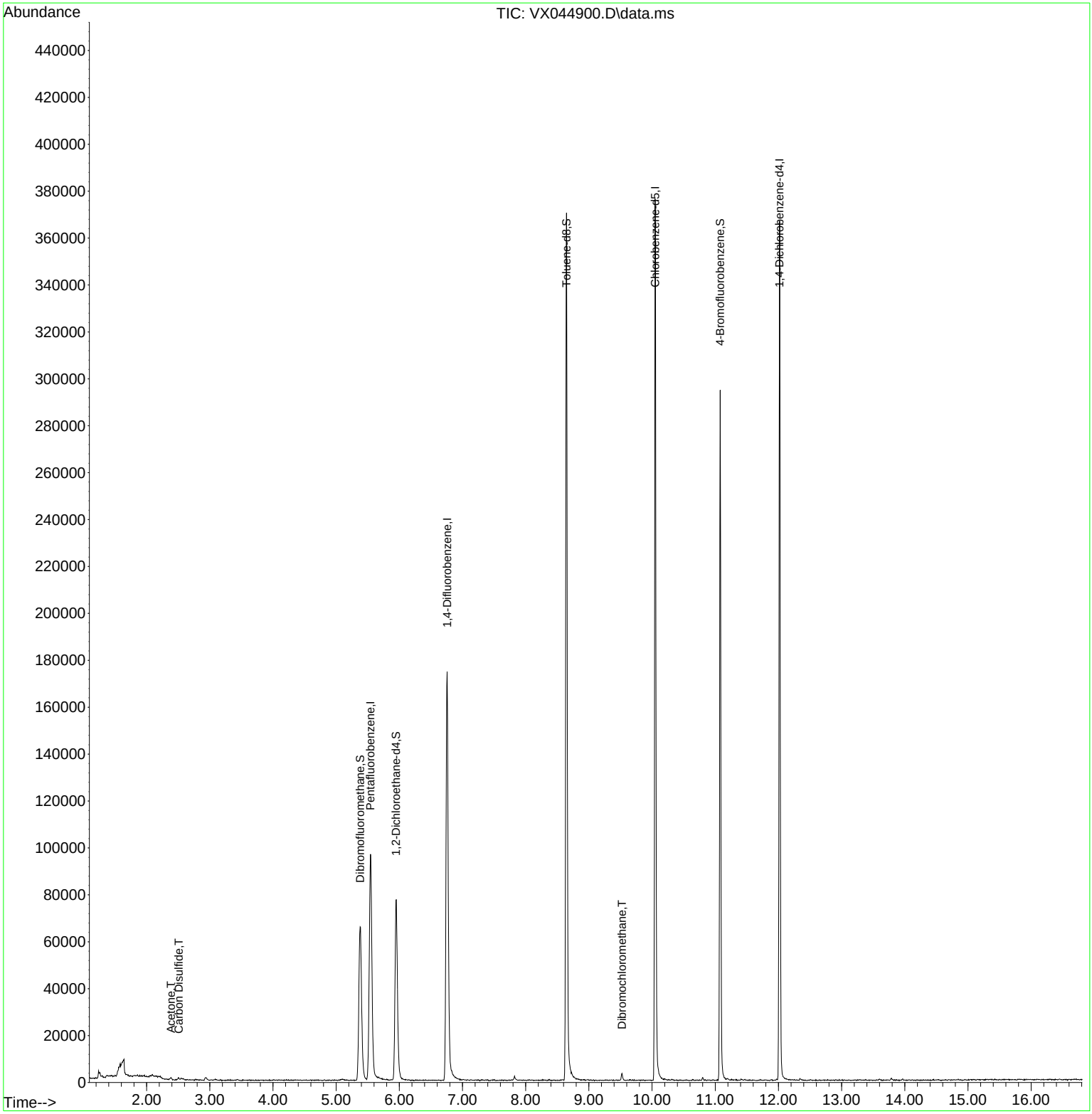
Quantitation Report (QT Reviewed)

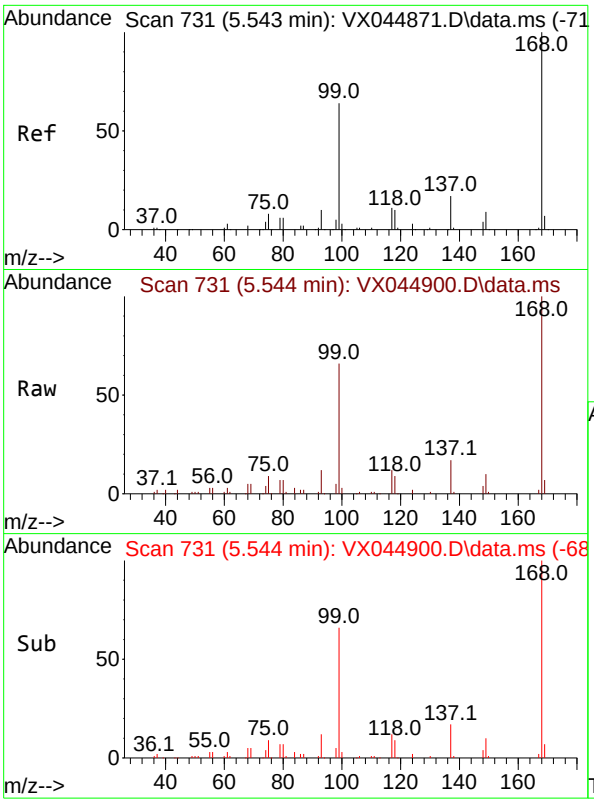
Sample Results: **VX044900.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044900.D
Acq On : 11 Feb 2025 12:57
Operator : JC/MD
Sample : Q1283-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250131

Quant Time: Feb 12 02:41:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



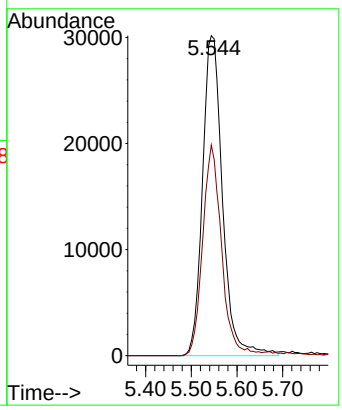


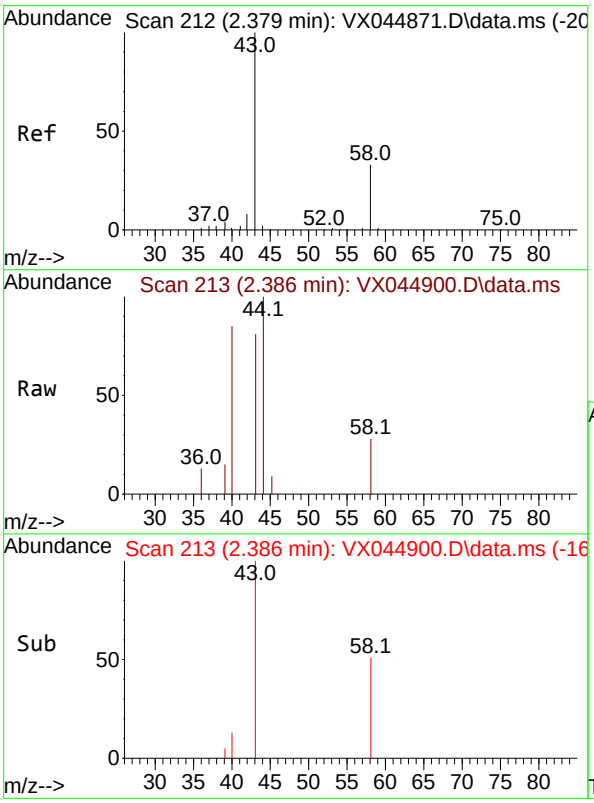
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044900.D
Acq: 11 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250131

Tgt Ion:168 Resp: 91747

Ion	Ratio	Lower	Upper
168	100		
99	65.9	51.2	76.8

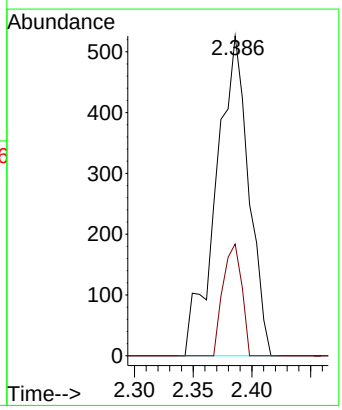


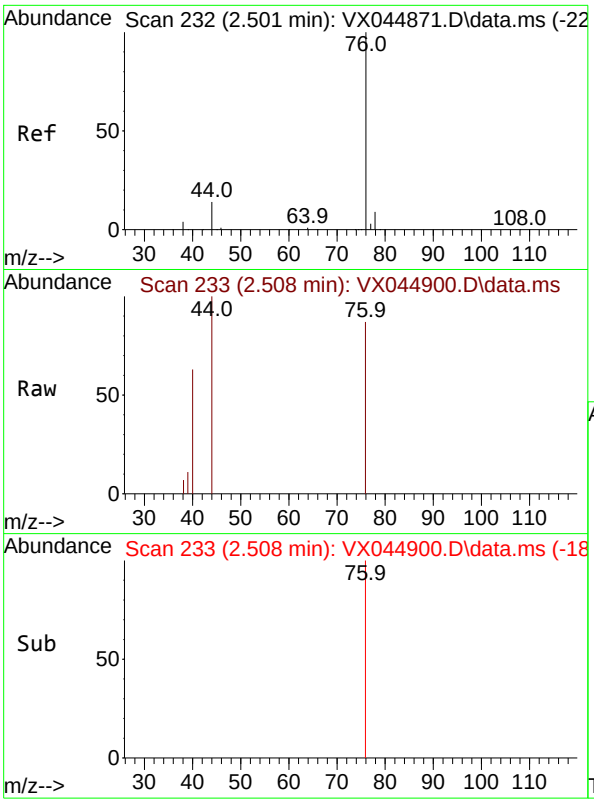


#16
Acetone
Concen: 1.886 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044900.D
Acq: 11 Feb 2025 12:57

Tgt Ion: 43 Resp: 1018

Ion	Ratio	Lower	Upper
43	100		
58	35.0	26.5	39.7



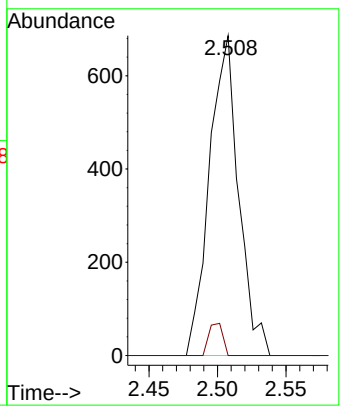


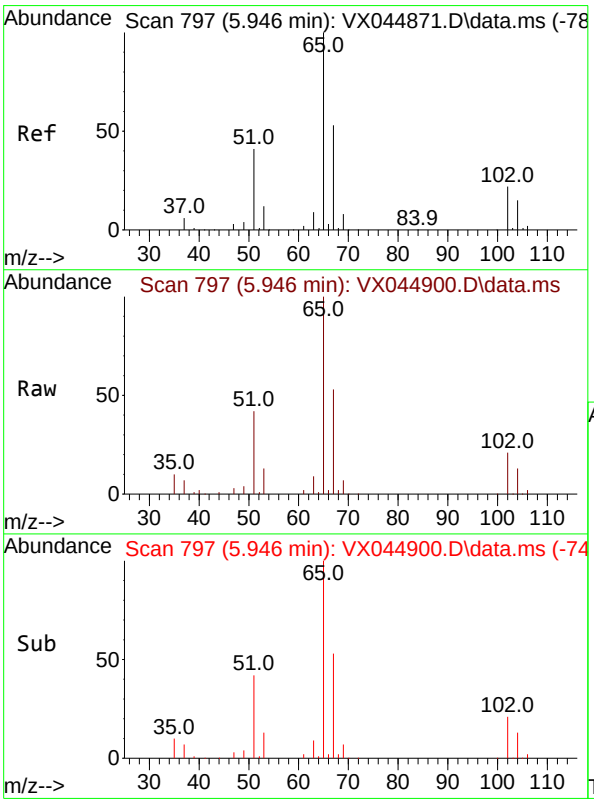
#17
Carbon Disulfide
Concen: 0.314 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044900.D
Acq: 11 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250131

Tgt Ion: 76 Resp: 1018

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

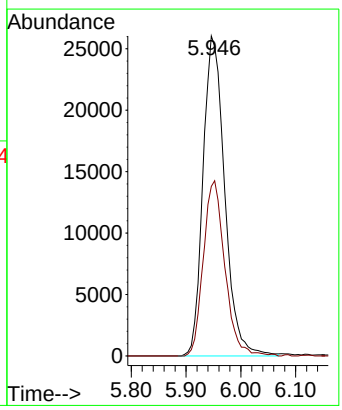


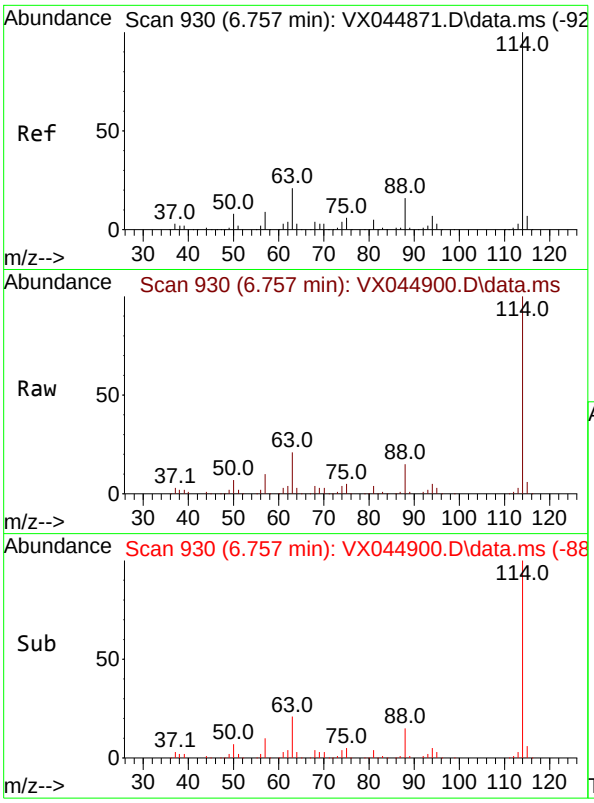


#33
1,2-Dichloroethane-d4
Concen: 53.270 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044900.D
Acq: 11 Feb 2025 12:57

Tgt Ion: 65 Resp: 71542

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	108.2



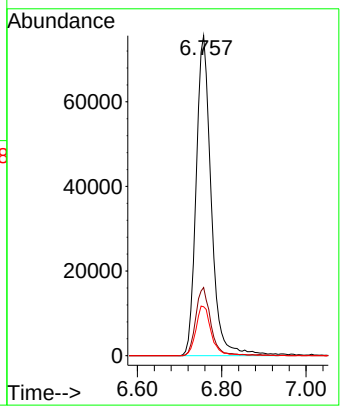


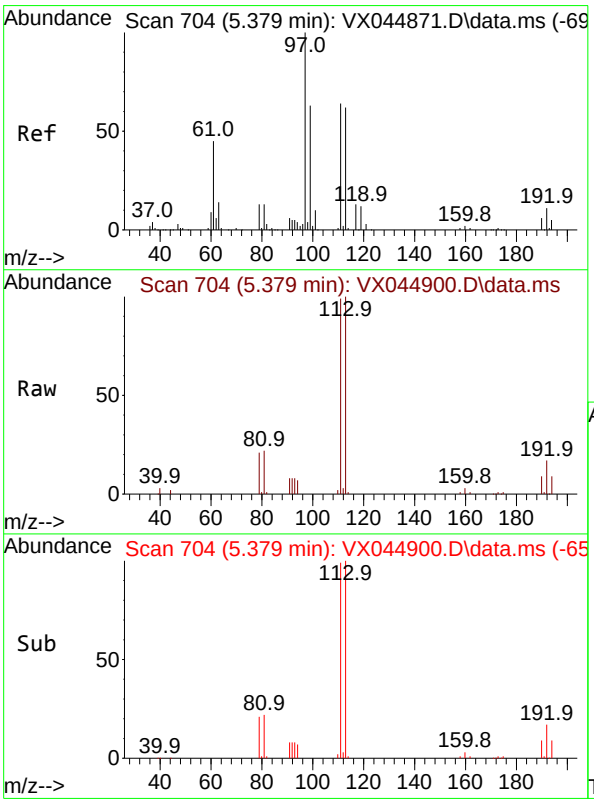
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044900.D
Acq: 11 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250131

Tgt Ion:114 Resp: 188311

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.4
88	15.3	0.0	31.4

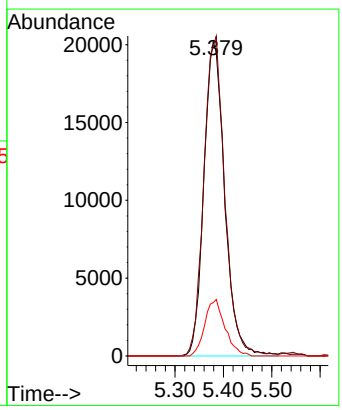


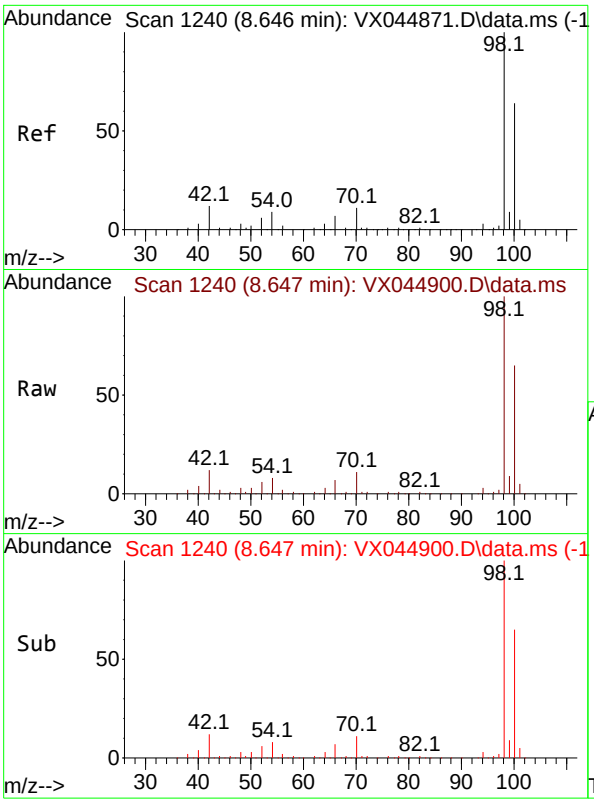


#35
Dibromofluoromethane
Concen: 49.310 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044900.D
Acq: 11 Feb 2025 12:57

Tgt Ion:113 Resp: 60372

Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.5	125.3
192	17.4	14.4	21.6



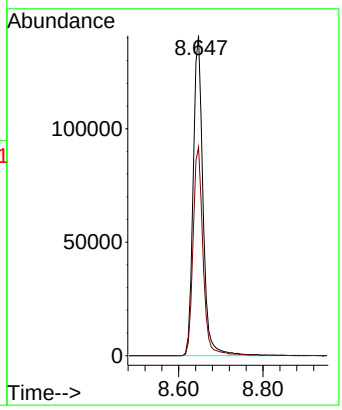


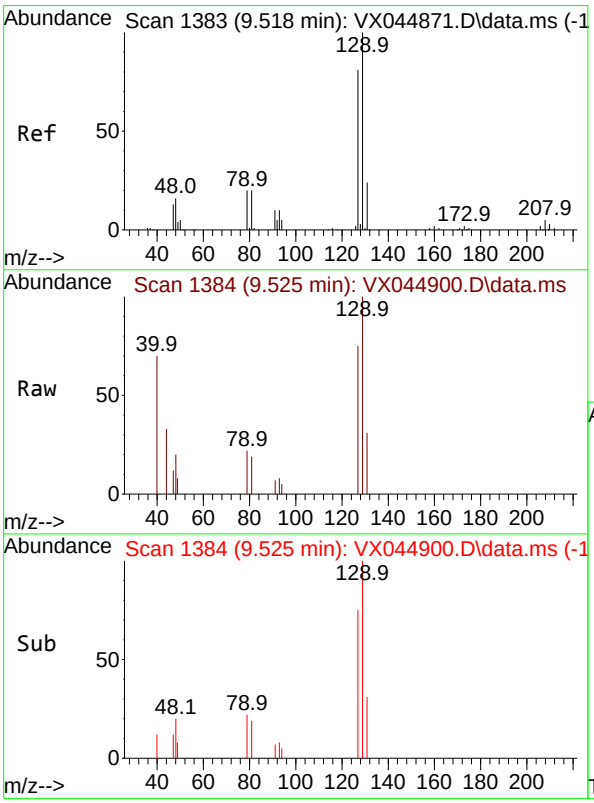
#50
Toluene-d8
Concen: 49.525 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044900.D
Acq: 11 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250131

Tgt Ion: 98 Resp: 229287

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1

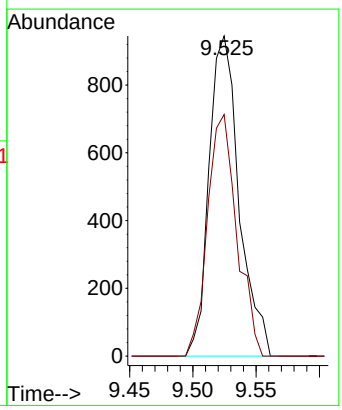


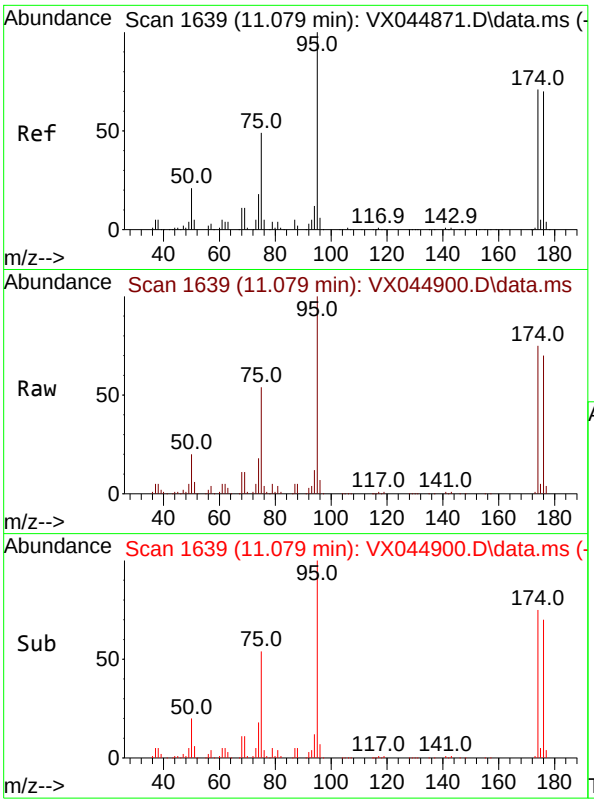


#60
Dibromochloromethane
Concen: 1.157 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044900.D
Acq: 11 Feb 2025 12:57

Tgt Ion:129 Resp: 1563

Ion	Ratio	Lower	Upper
129	100		
127	73.5	39.1	117.3



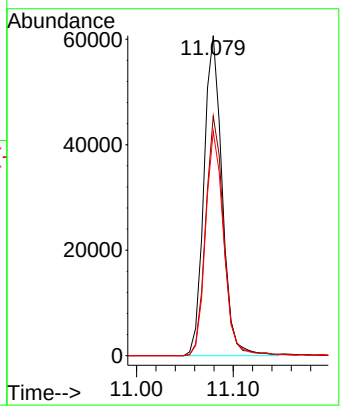


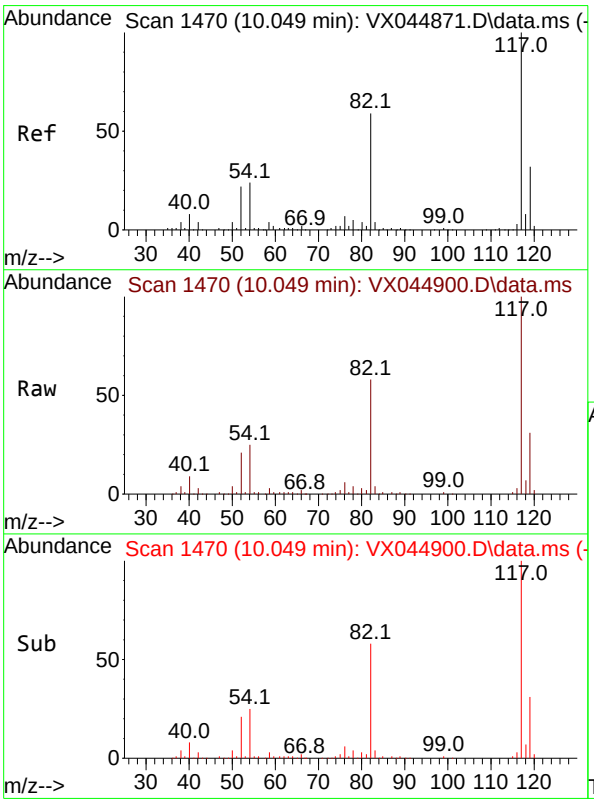
#62
4-Bromofluorobenzene
Concen: 51.016 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044900.D
Acq: 11 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250131

Tgt Ion: 95 Resp: 79624

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	142.6
176	70.1	0.0	141.6

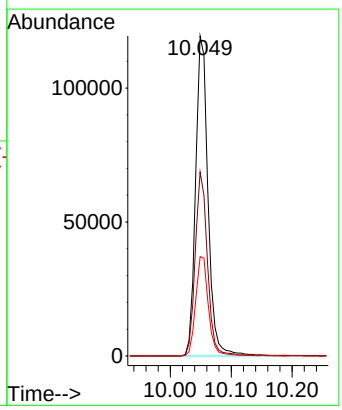


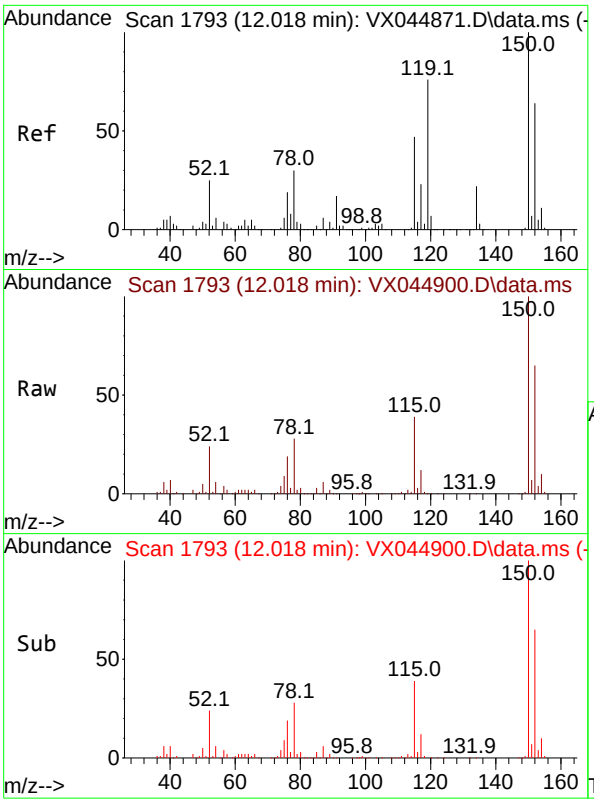


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044900.D
Acq: 11 Feb 2025 12:57

Tgt Ion:117 Resp: 169014

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.5	71.3
119	31.0	25.4	38.0



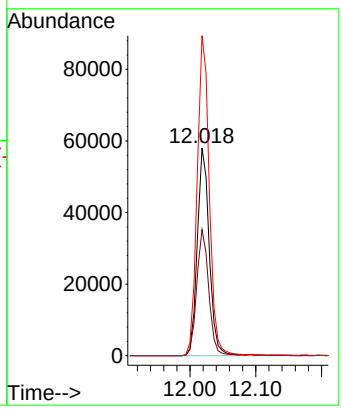


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044900.D
Acq: 11 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250131

Tgt Ion:152 Resp: 73561

Ion	Ratio	Lower	Upper
152	100		
115	60.7	43.4	130.1
150	155.4	0.0	350.4



Sample Results: **VX044900.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044900.D
Acq On : 11 Feb 2025 12:57
Operator : JC/MD
Sample : Q1283-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250131

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

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

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

Signal : TIC: VX044900.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.581	71	81	82	rBV4	5339	12409	2.02%	0.398%
2	5.379	694	704	719	rBV2	65409	197927	32.20%	6.345%
3	5.544	721	731	747	rBV	96014	276327	44.95%	8.858%
4	5.952	787	798	814	rBV	76793	205526	33.44%	6.588%
5	6.757	921	930	948	rBV	174228	434016	70.61%	13.913%
6	8.647	1233	1240	1265	rBV	369926	614700	100.00%	19.705%
7	10.049	1465	1470	1491	rBV	375792	529941	86.21%	16.988%
8	11.079	1634	1639	1650	rBV	294282	383609	62.41%	12.297%
9	12.018	1788	1793	1806	rBV	366210	465079	75.66%	14.909%

Sum of corrected areas: 3119534

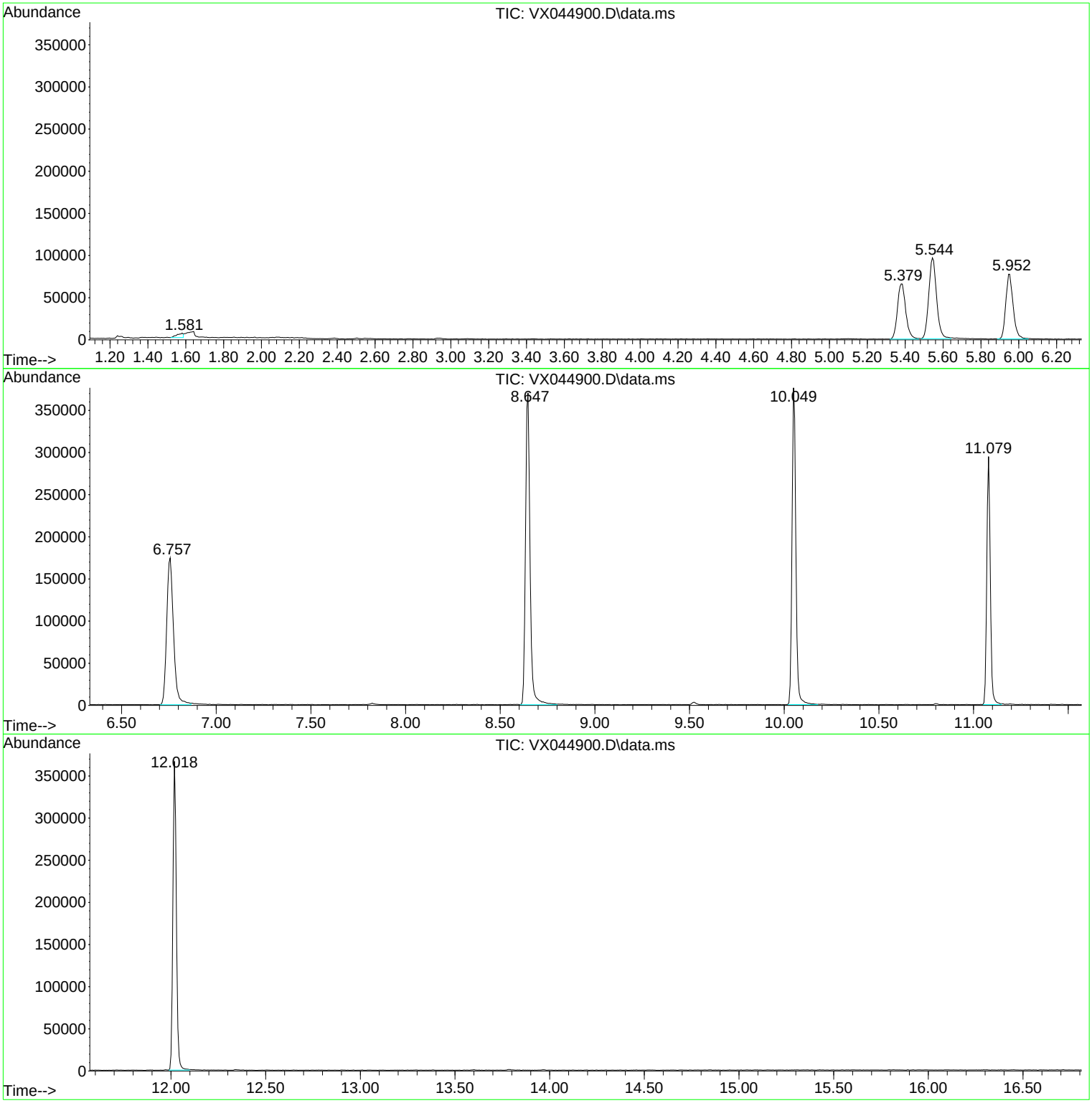
Sample Results: **VX044900.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044900.D
Acq On : 11 Feb 2025 12:57
Operator : JC/MD
Sample : Q1283-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250131

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

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



Library Search Compound Report

Sample Results: **VX044900.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044900.D
Acq On : 11 Feb 2025 12:57
Operator : JC/MD
Sample : Q1283-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250131

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

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Sample Results: **VX044900.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044900.D
Acq On : 11 Feb 2025 12:57
Operator : JC/MD
Sample : Q1283-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250131

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

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

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

Raw Data: **VX044901.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/30/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	BP-VPB-192-TB-20250130	SDG No.:	Q1283
Lab Sample ID:	Q1283-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044901.D	1		02/11/25 13:20	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX044901.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/30/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	BP-VPB-192-TB-20250130	SDG No.:	Q1283
Lab Sample ID:	Q1283-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044901.D	1		02/11/25 13:20	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.5		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	50.3		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	94300	5.544				
540-36-3	1,4-Difluorobenzene	194000	6.757				
3114-55-4	Chlorobenzene-d5	175000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	76600	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX044901.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/30/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	BP-VPB-192-TB-20250130	SDG No.:	Q1283
Lab Sample ID:	Q1283-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044901.D	1		02/11/25 13:20	VX021125

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

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

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

Sample Results: **VX044901.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044901.D
Acq On : 11 Feb 2025 13:20
Operator : JC/MD
Sample : Q1283-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250130

Quant Time: Feb 12 02:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	94281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	193913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	175364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73809	53.481	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.960%			
35) Dibromofluoromethane	5.379	113	62271	49.392	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.780%			
50) Toluene-d8	8.647	98	239618	50.261	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.520%			
62) 4-Bromofluorobenzene	11.079	95	83811	52.147	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.300%			
Target Compounds						Qvalue
16) Acetone	2.374	43	895	1.613	ug/l #	80

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

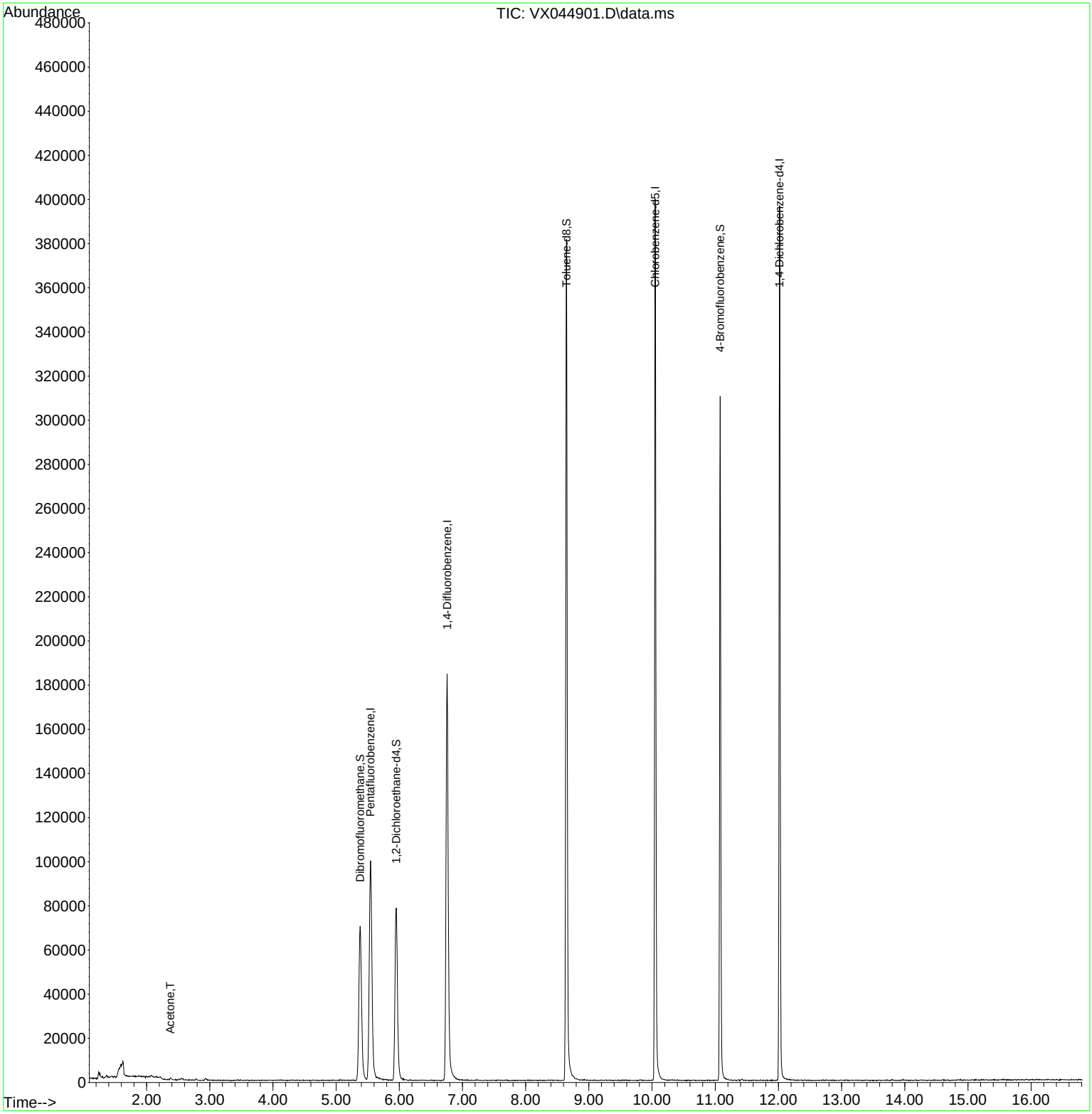
Quantitation Report (QT Reviewed)

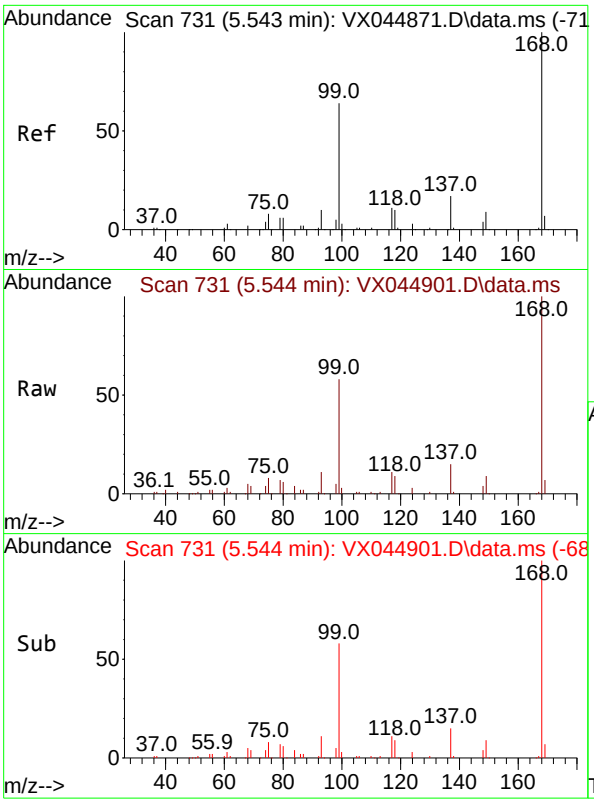
Sample Results: **VX044901.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044901.D
Acq On : 11 Feb 2025 13:20
Operator : JC/MD
Sample : Q1283-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250130

Quant Time: Feb 12 02:41:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



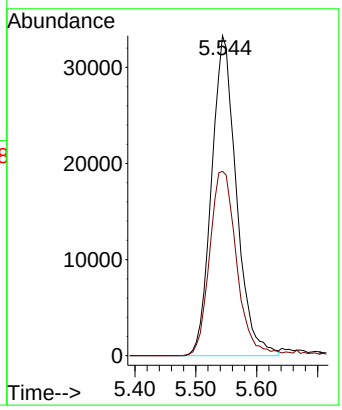


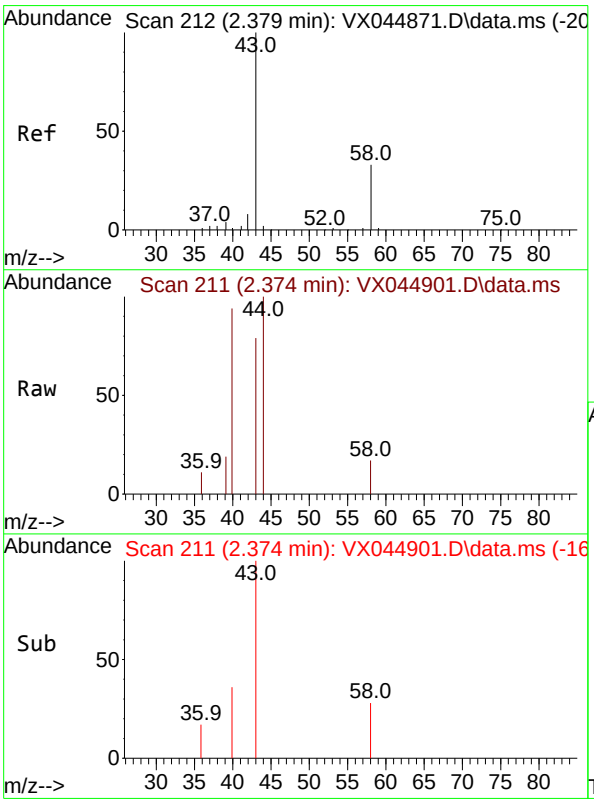
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044901.D
Acq: 11 Feb 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250130

Tgt Ion:168 Resp: 94281

Ion	Ratio	Lower	Upper
168	100		
99	57.6	51.2	76.8

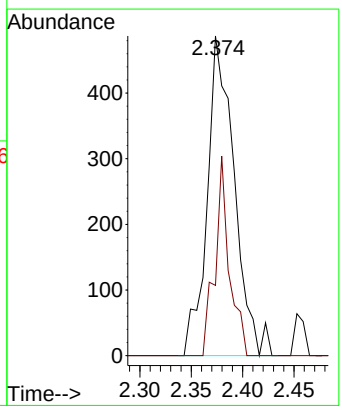


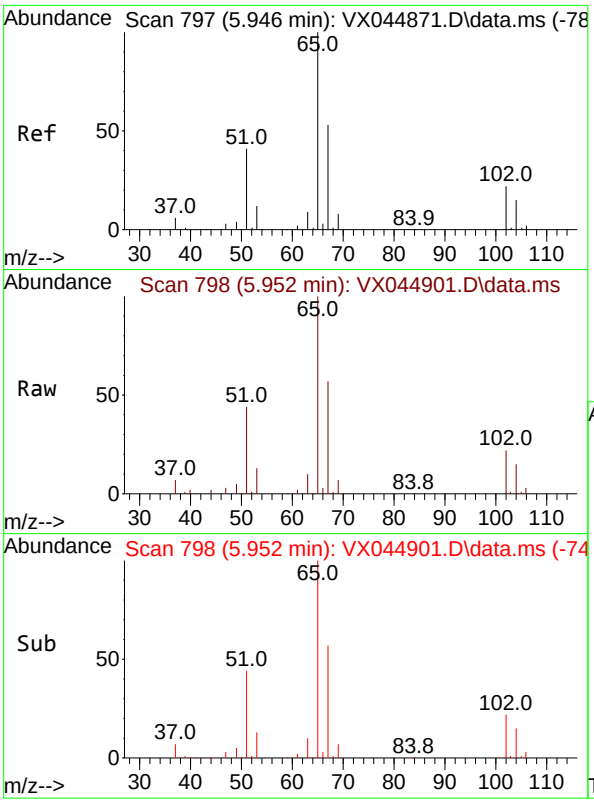


#16
Acetone
Concen: 1.613 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX044901.D
Acq: 11 Feb 2025 13:20

Tgt Ion: 43 Resp: 895

Ion	Ratio	Lower	Upper
43	100		
58	22.0	26.5	39.7#



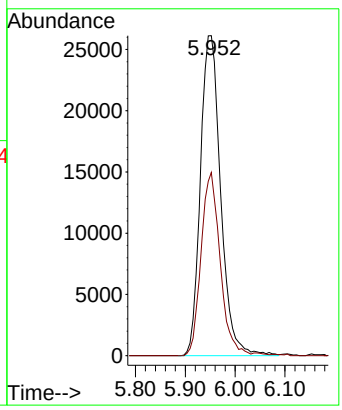


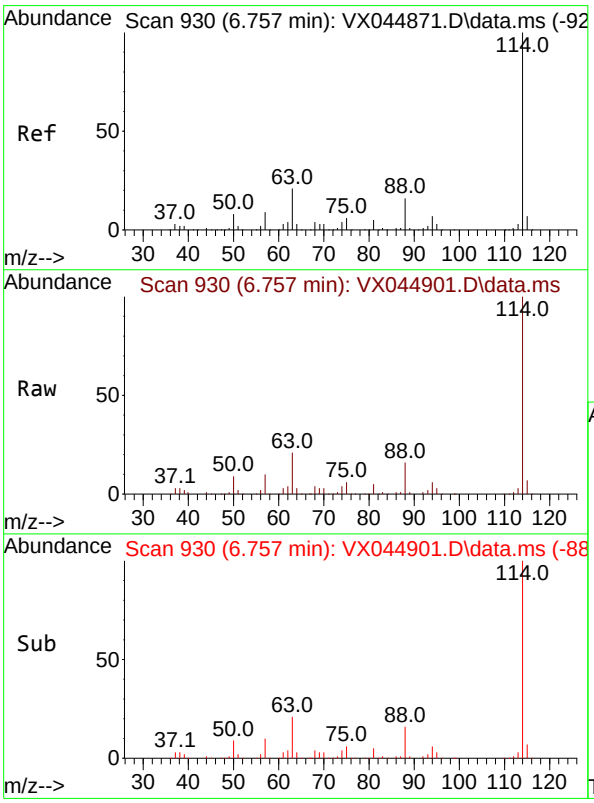
#33
1,2-Dichloroethane-d4
Concen: 53.481 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044901.D
Acq: 11 Feb 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250130

Tgt Ion: 65 Resp: 73809

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.2

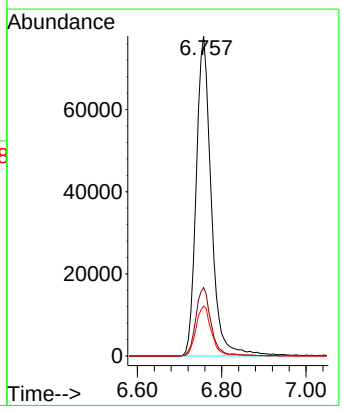


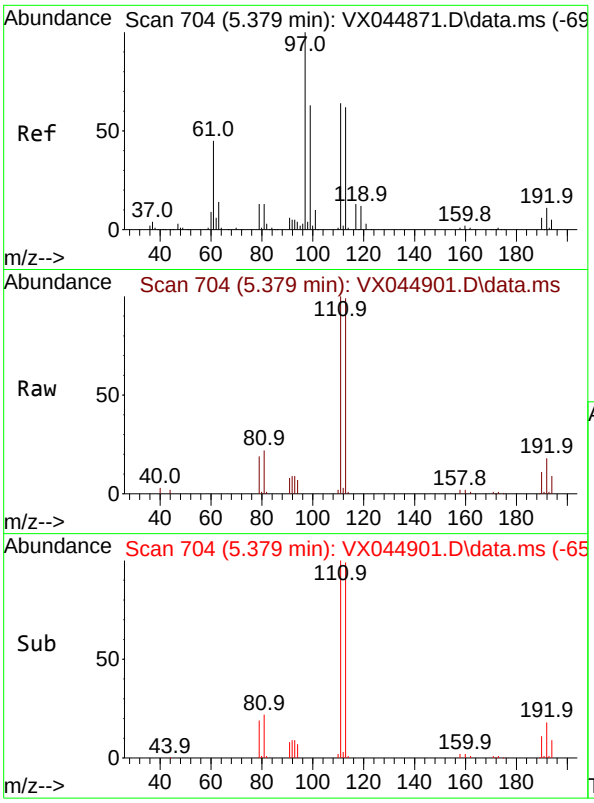


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044901.D
Acq: 11 Feb 2025 13:20

Tgt Ion:114 Resp: 193913

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.4
88	15.6	0.0	31.4



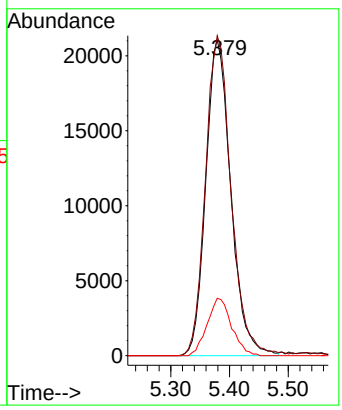


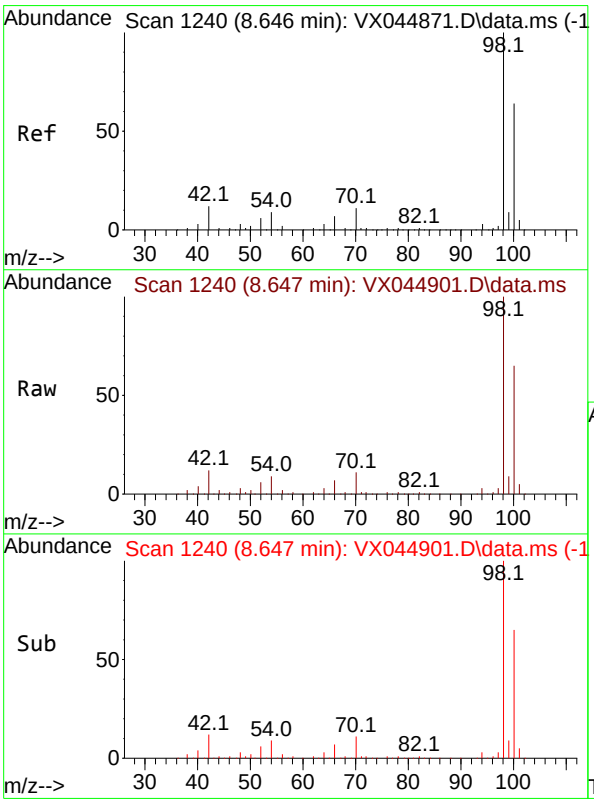
#35
Dibromofluoromethane
Concen: 49.392 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044901.D
Acq: 11 Feb 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250130

Tgt Ion:113 Resp: 62271

Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.5	125.3
192	17.7	14.4	21.6

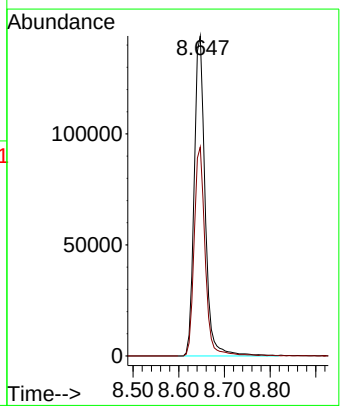


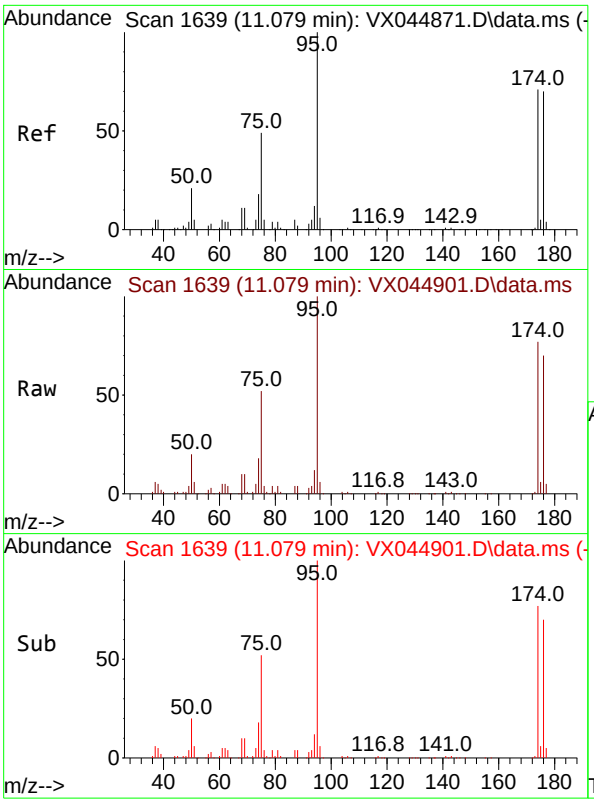


#50
Toluene-d8
Concen: 50.261 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044901.D
Acq: 11 Feb 2025 13:20

Tgt Ion: 98 Resp: 239618

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1



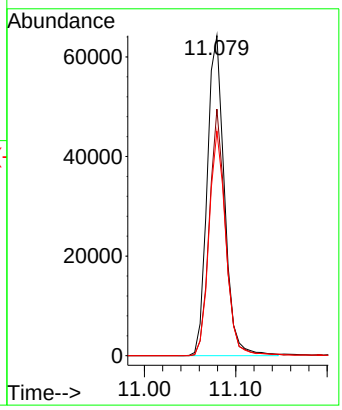


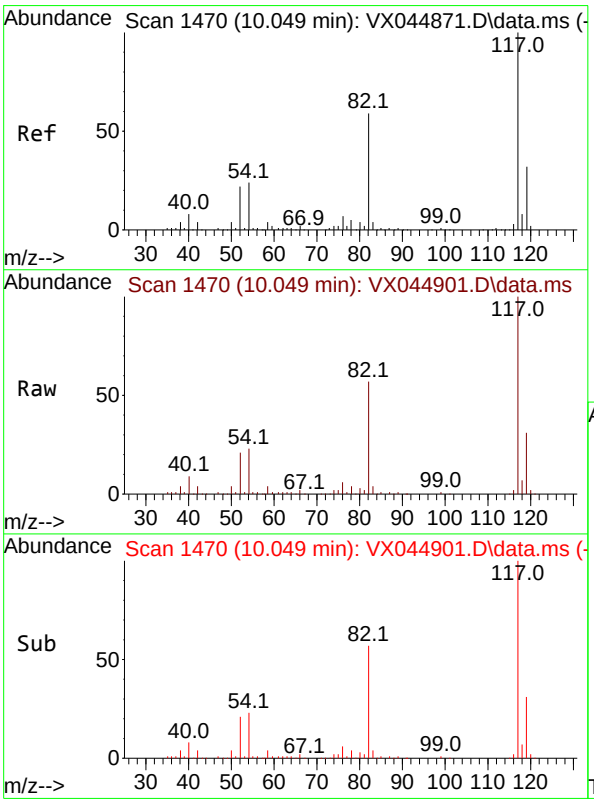
#62
4-Bromofluorobenzene
Concen: 52.147 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044901.D
Acq: 11 Feb 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250130

Tgt Ion: 95 Resp: 83811

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	142.6
176	68.8	0.0	141.6

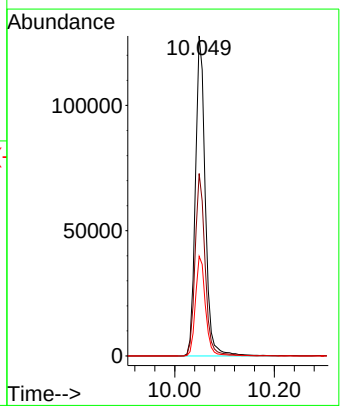


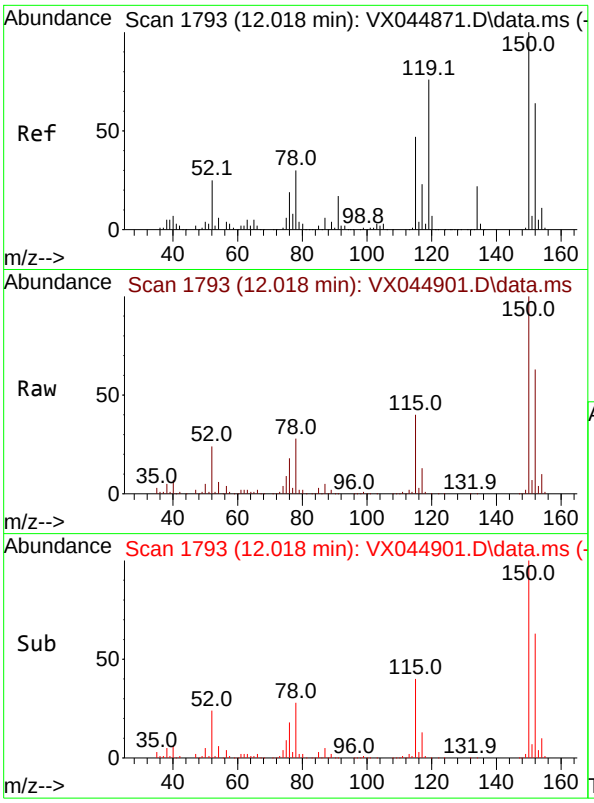


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044901.D
Acq: 11 Feb 2025 13:20

Tgt Ion:117 Resp: 175364

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.5	71.3
119	31.1	25.4	38.0



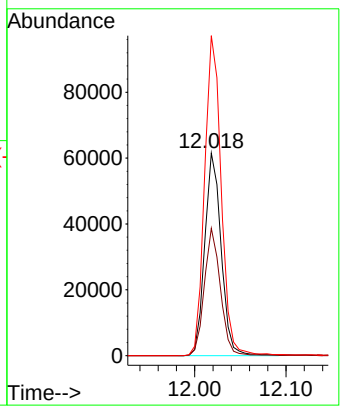


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044901.D
Acq: 11 Feb 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250130

Tgt Ion:152 Resp: 76629

Ion	Ratio	Lower	Upper
152	100		
115	61.7	43.4	130.1
150	159.8	0.0	350.4



Sample Results: **VX044901.D**

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250130

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044901.D
Acq On    : 11 Feb 2025  13:20
Operator  : JC/MD
Sample    : Q1283-02
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 10   Sample Multiplier: 1

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

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

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

Signal     : TIC: VX044901.D\data.ms
```

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.624	86	88	96	rVB5	6671	9138	1.43%	0.281%
2	5.379	693	704	721	rBV2	70002	208725	32.74%	6.411%
3	5.544	721	731	746	rBV2	99109	288953	45.32%	8.875%
4	5.952	788	798	811	rBV	78076	214792	33.69%	6.597%
5	6.757	921	930	952	rBV	184189	454603	71.31%	13.963%
6	8.647	1233	1240	1257	rBV	381048	637547	100.00%	19.581%
7	10.049	1465	1470	1487	rBV	399100	550251	86.31%	16.900%
8	11.079	1634	1639	1653	rBV	309900	400637	62.84%	12.305%
9	12.018	1788	1793	1805	rBV	396207	491219	77.05%	15.087%

Sum of corrected areas: 3255865

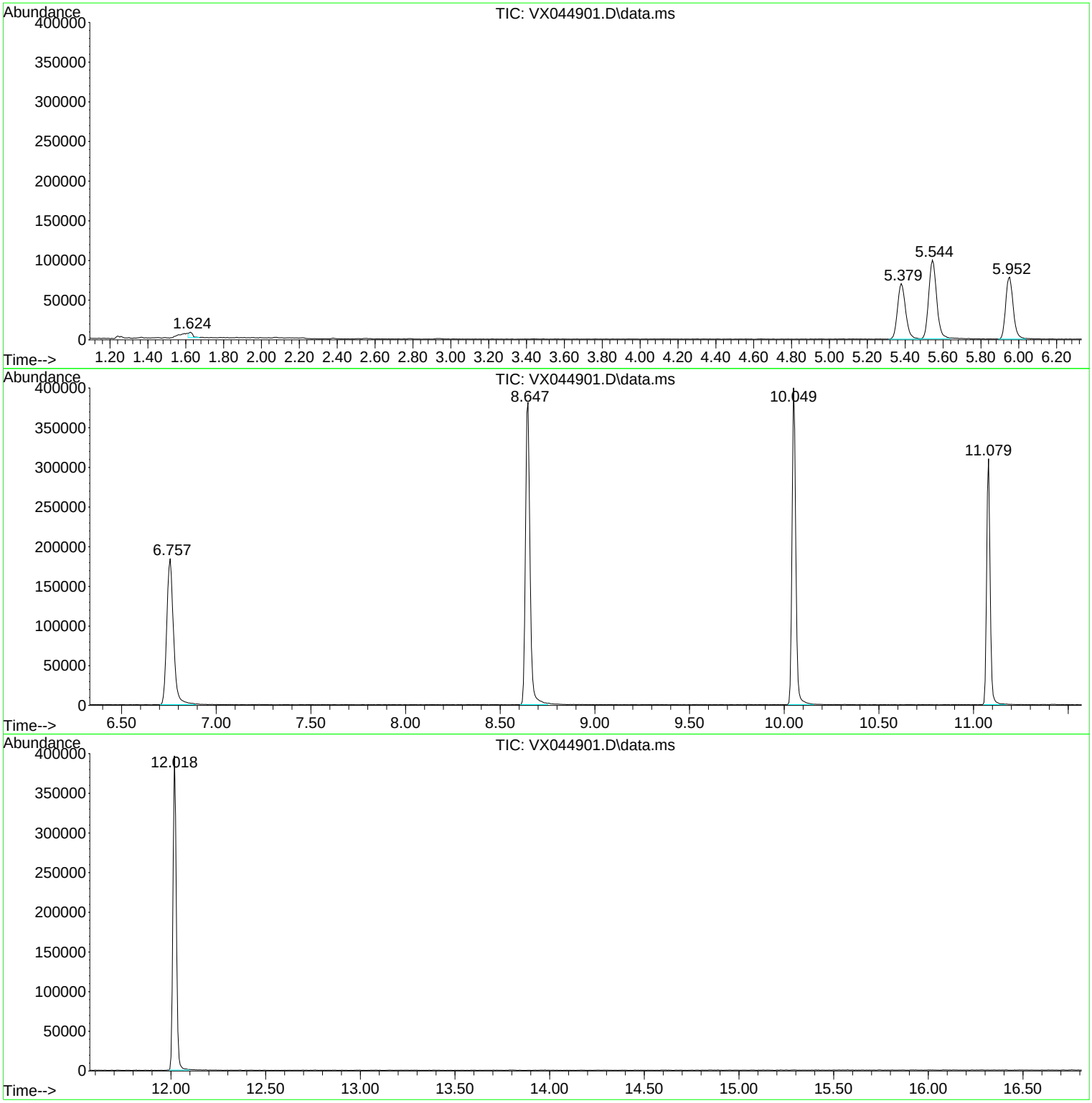
Sample Results: **VX044901.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044901.D
Acq On : 11 Feb 2025 13:20
Operator : JC/MD
Sample : Q1283-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250130

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

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



Library Search Compound Report

Sample Results: **VX044901.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044901.D
Acq On : 11 Feb 2025 13:20
Operator : JC/MD
Sample : Q1283-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250130

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

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Sample Results: **VX044901.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044901.D
Acq On : 11 Feb 2025 13:20
Operator : JC/MD
Sample : Q1283-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250130

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

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

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

Raw Data: **VX044902.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/31/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	BP-VPB-192-EB-20250131	SDG No.:	Q1283
Lab Sample ID:	Q1283-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044902.D	1		02/11/25 13:43	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.20	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX044902.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/31/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	BP-VPB-192-EB-20250131	SDG No.:	Q1283
Lab Sample ID:	Q1283-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044902.D	1		02/11/25 13:43	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.9		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	94100	5.544				
540-36-3	1,4-Difluorobenzene	192000	6.757				
3114-55-4	Chlorobenzene-d5	173000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	73700	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX044902.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/31/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	BP-VPB-192-EB-20250131	SDG No.:	Q1283
Lab Sample ID:	Q1283-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044902.D	1		02/11/25 13:43	VX021125

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

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

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

Sample Results: **VX044902.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044902.D
Acq On : 11 Feb 2025 13:43
Operator : JC/MD
Sample : Q1283-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250131

Quant Time: Feb 12 02:41:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	94090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	191976	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	173093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72878	52.913	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.820%			
35) Dibromofluoromethane	5.379	113	62881	50.379	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.760%			
50) Toluene-d8	8.647	98	236064	50.016	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.040%			
62) 4-Bromofluorobenzene	11.079	95	82396	51.784	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.560%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1793	3.238	ug/l	98

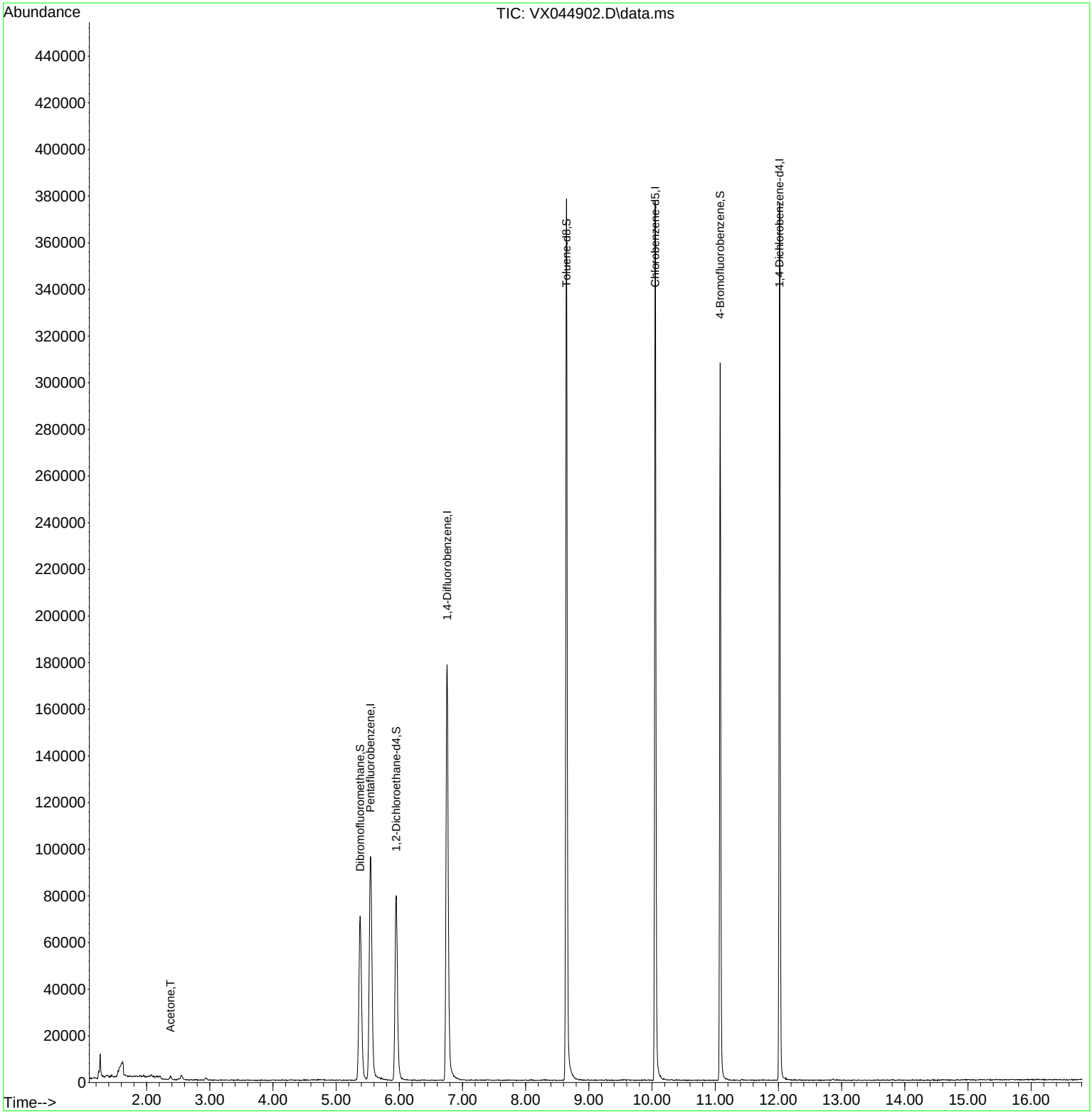
(#) = qualifier out of range (m) = manual integration (+) = signals summed

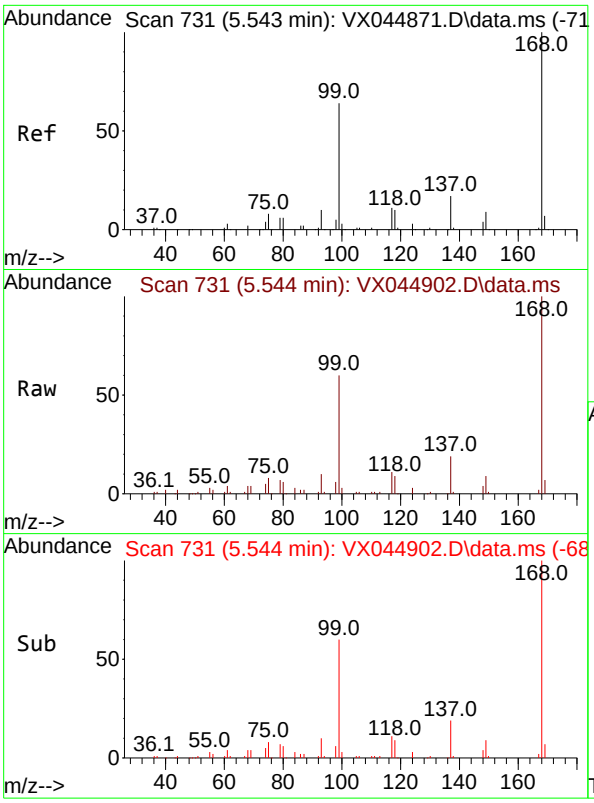
Sample Results: **VX044902.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044902.D
Acq On : 11 Feb 2025 13:43
Operator : JC/MD
Sample : Q1283-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250131

Quant Time: Feb 12 02:41:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



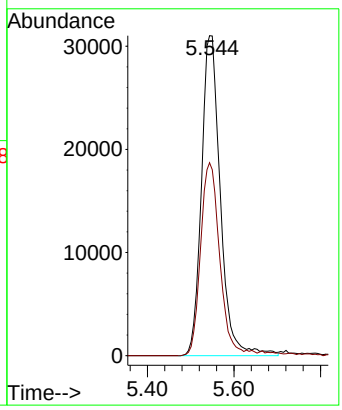


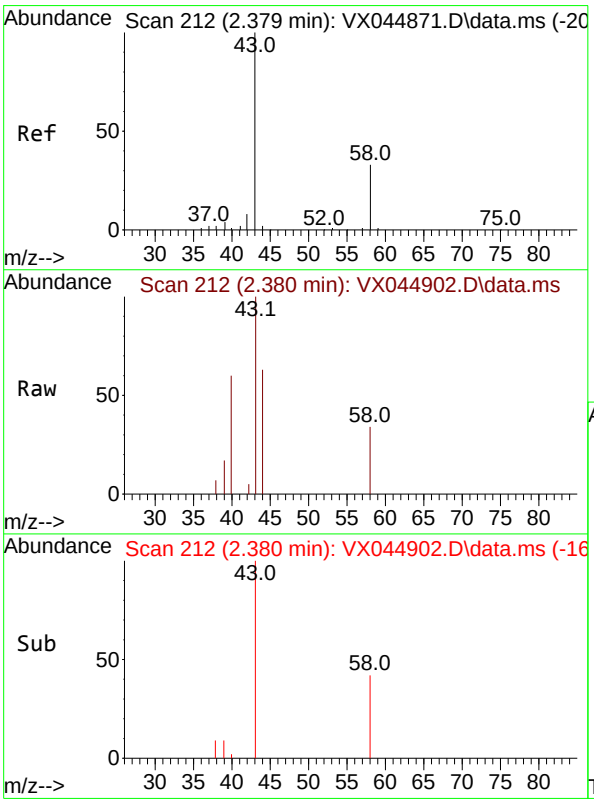
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044902.D
Acq: 11 Feb 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250131

Tgt Ion:168 Resp: 94090

Ion	Ratio	Lower	Upper
168	100		
99	60.3	51.2	76.8

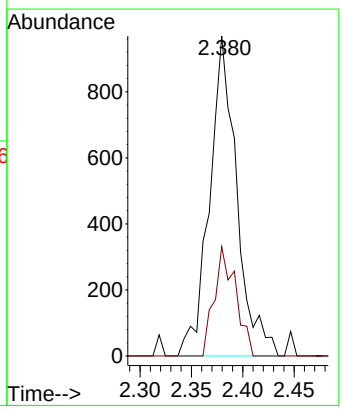


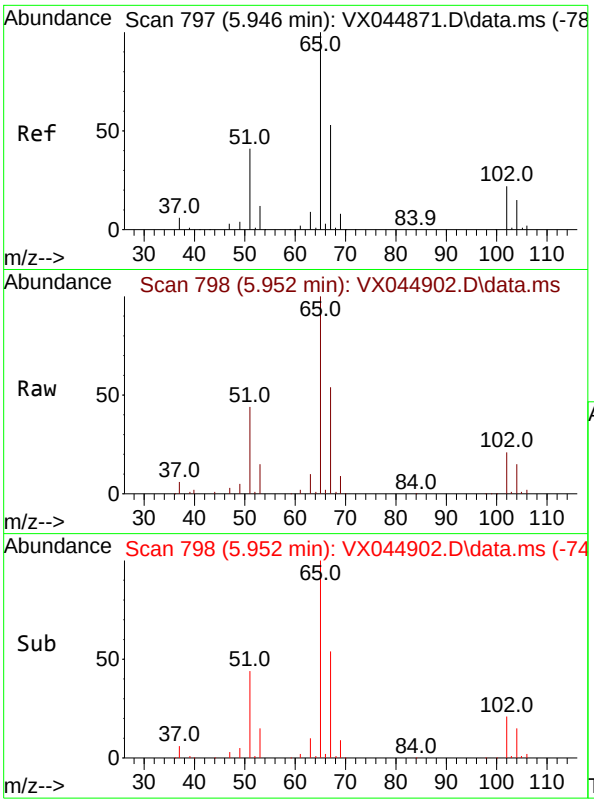


#16
Acetone
Concen: 3.238 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044902.D
Acq: 11 Feb 2025 13:43

Tgt Ion: 43 Resp: 1793

Ion	Ratio	Lower	Upper
43	100		
58	34.2	26.5	39.7



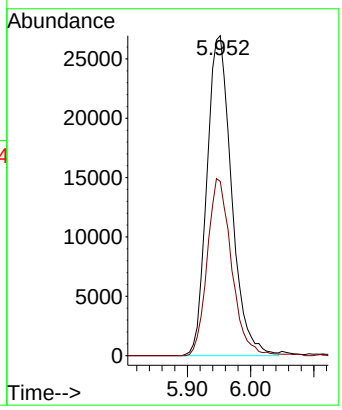


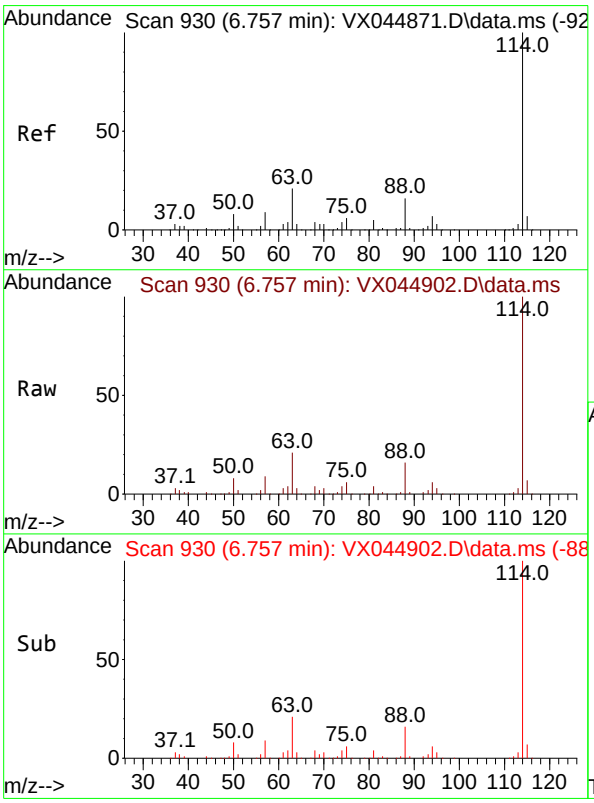
#33
1,2-Dichloroethane-d4
Concen: 52.913 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044902.D
Acq: 11 Feb 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250131

Tgt Ion: 65 Resp: 72878

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	108.2

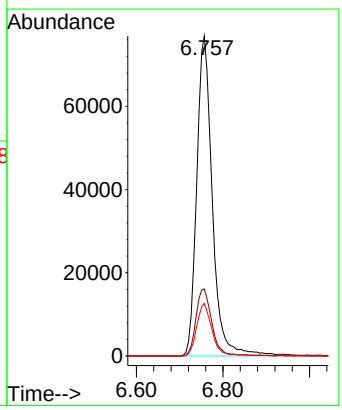


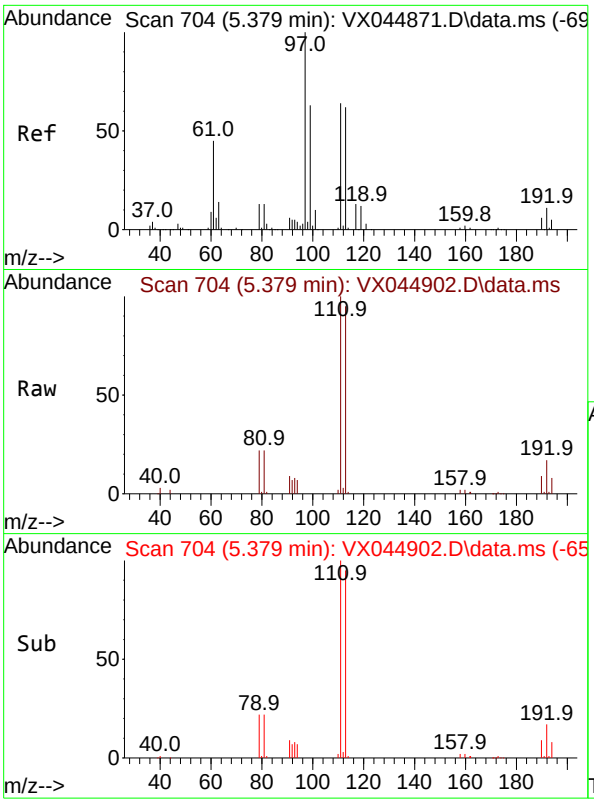


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044902.D
Acq: 11 Feb 2025 13:43

Tgt Ion:114 Resp: 191976

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.4
88	16.4	0.0	31.4



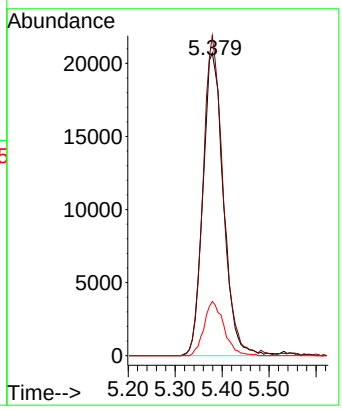


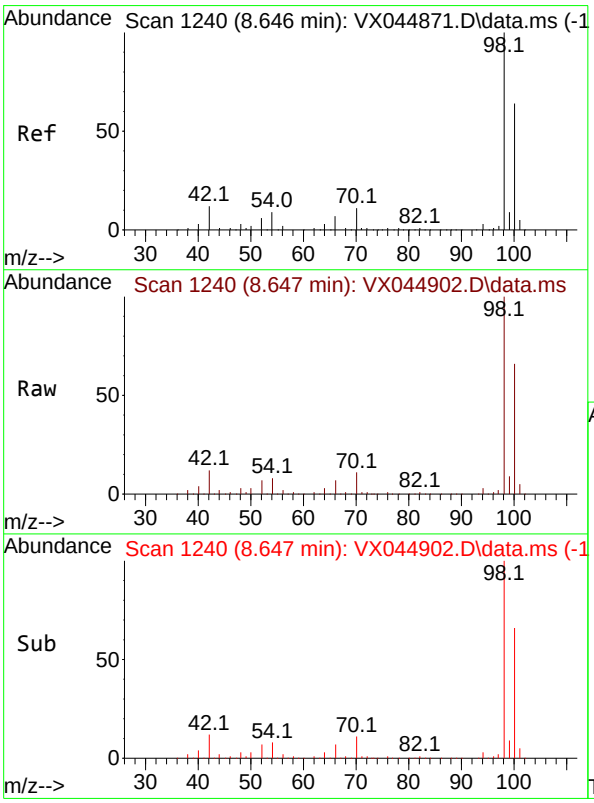
#35
Dibromofluoromethane
Concen: 50.379 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044902.D
Acq: 11 Feb 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250131

Tgt Ion:113 Resp: 62881

Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.5	125.3
192	17.4	14.4	21.6

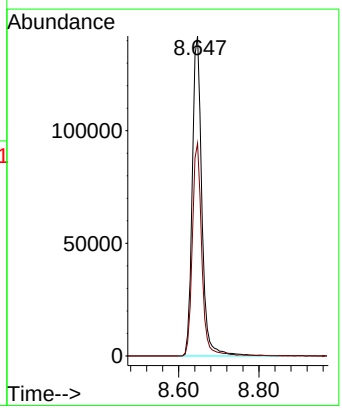


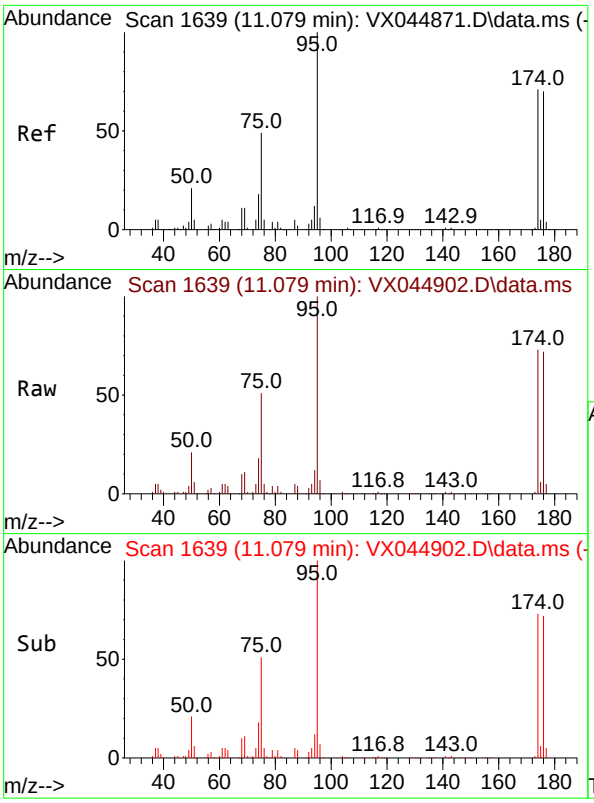


#50
Toluene-d8
Concen: 50.016 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044902.D
Acq: 11 Feb 2025 13:43

Tgt Ion: 98 Resp: 236064

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1



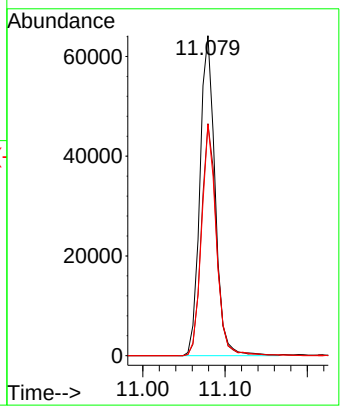


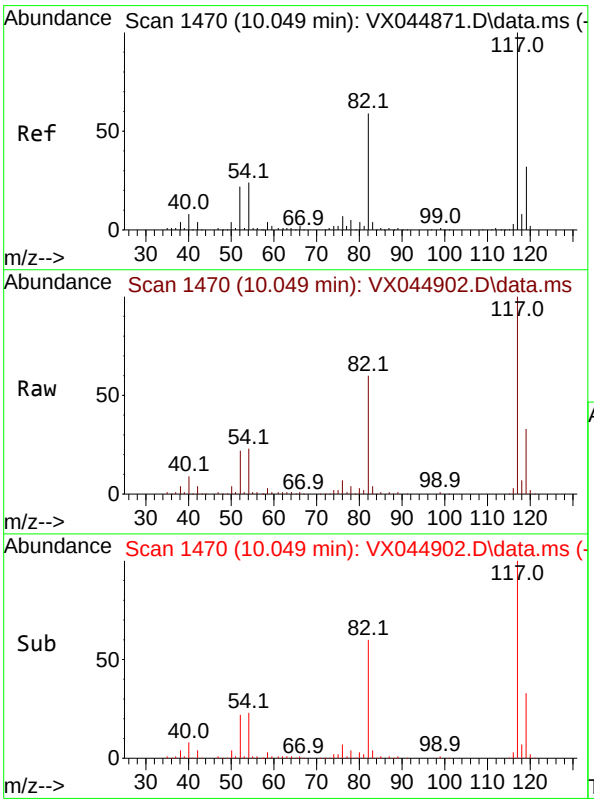
#62
4-Bromofluorobenzene
Concen: 51.784 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044902.D
Acq: 11 Feb 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250131

Tgt Ion: 95 Resp: 82396

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	142.6
176	70.3	0.0	141.6

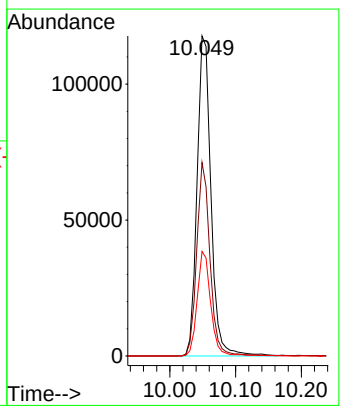


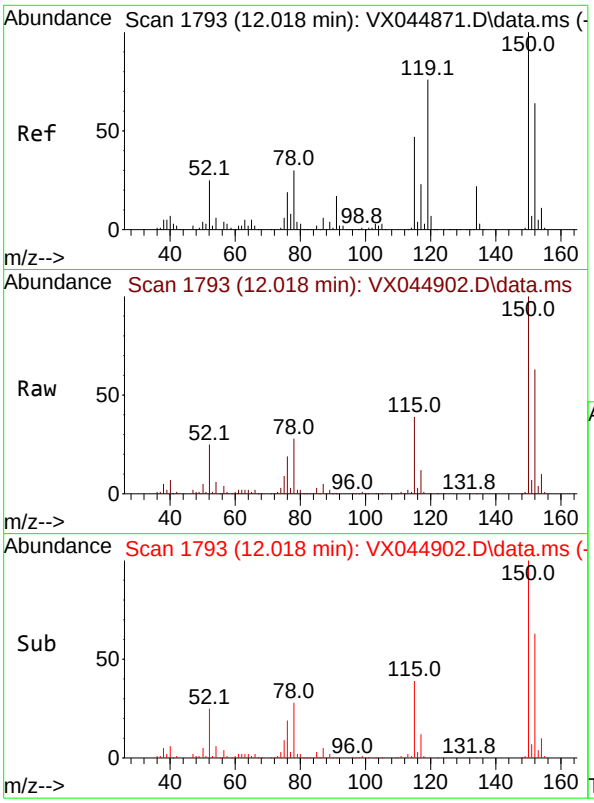


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044902.D
Acq: 11 Feb 2025 13:43

Tgt Ion:117 Resp: 173093

Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.5	71.3
119	32.6	25.4	38.0



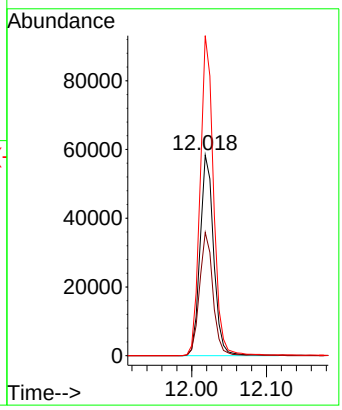


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044902.D
Acq: 11 Feb 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250131

Tgt Ion:152 Resp: 73691

Ion	Ratio	Lower	Upper
152	100		
115	60.9	43.4	130.1
150	157.0	0.0	350.4



Sample Results: **VX044902.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044902.D
Acq On : 11 Feb 2025 13:43
Operator : JC/MD
Sample : Q1283-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250131

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

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

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

Signal : TIC: VX044902.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	26	29	36	rVB2	9750	10608	1.69%	0.332%
2	1.599	77	84	85	rBV6	3518	7018	1.12%	0.220%
3	5.379	694	704	720	rBV	70314	204966	32.68%	6.418%
4	5.544	720	731	744	rBV	95495	281278	44.84%	8.807%
5	5.952	786	798	812	rBV	79282	214934	34.27%	6.730%
6	6.757	921	930	947	rBV	178284	445733	71.06%	13.957%
7	8.647	1233	1240	1260	rBV	377744	627243	100.00%	19.640%
8	10.049	1465	1470	1491	rBV	376835	544536	86.81%	17.050%
9	11.079	1634	1639	1653	rBV	307625	391177	62.36%	12.248%
10	12.018	1788	1793	1804	rBV	375873	466183	74.32%	14.597%

Sum of corrected areas: 3193676

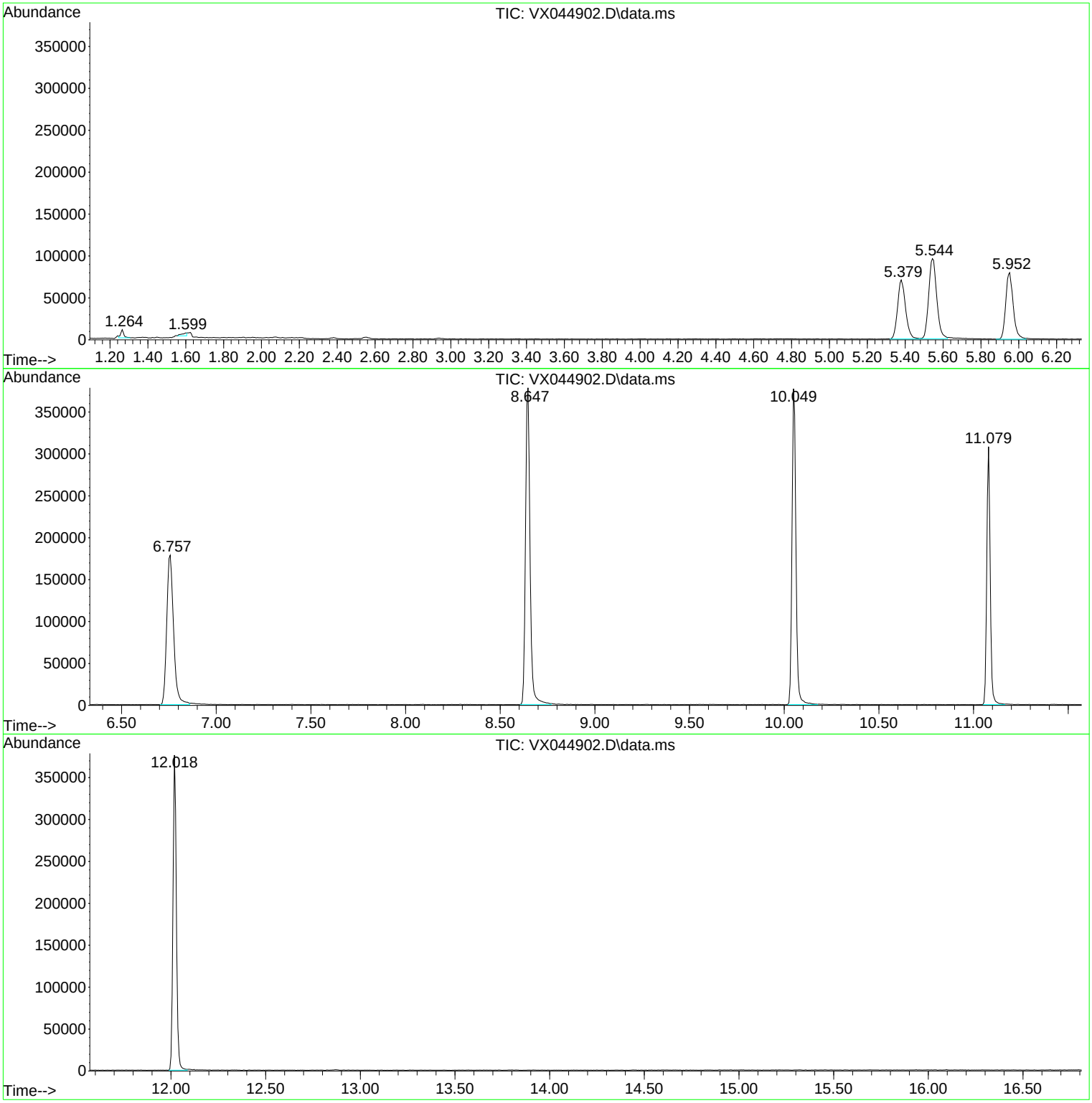
Sample Results: **VX044902.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044902.D
Acq On : 11 Feb 2025 13:43
Operator : JC/MD
Sample : Q1283-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250131

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

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



Library Search Compound Report

Sample Results: **VX044902.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044902.D
Acq On : 11 Feb 2025 13:43
Operator : JC/MD
Sample : Q1283-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250131

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

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Sample Results: **VX044902.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044902.D
Acq On : 11 Feb 2025 13:43
Operator : JC/MD
Sample : Q1283-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250131

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

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

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

Raw Data: **VX044903.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/30/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	BP-VPB-192-GW-480-482	SDG No.:	Q1283
Lab Sample ID:	Q1283-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044903.D	1		02/11/25 14:06	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	6.70		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.45	J	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX044903.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/30/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	BP-VPB-192-GW-480-482	SDG No.:	Q1283
Lab Sample ID:	Q1283-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044903.D	1		02/11/25 14:06	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.4		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	92100	5.55				
540-36-3	1,4-Difluorobenzene	189000	6.757				
3114-55-4	Chlorobenzene-d5	174000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	77100	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX044903.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/30/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	BP-VPB-192-GW-480-482	SDG No.:	Q1283
Lab Sample ID:	Q1283-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044903.D	1		02/11/25 14:06	VX021125

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

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

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

Sample Results: **VX044903.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044903.D
Acq On : 11 Feb 2025 14:06
Operator : JC/MD
Sample : Q1283-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-480-482

Quant Time: Feb 12 02:42:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	92053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188552	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	173671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	73292	54.392	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.780%			
35) Dibromofluoromethane	5.379	113	61697	50.328	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.660%			
50) Toluene-d8	8.647	98	234124	50.505	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.020%			
62) 4-Bromofluorobenzene	11.079	95	83740	53.584	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.160%			
Target Compounds						Qvalue
16) Acetone	2.380	43	3617	6.677	ug/l	96
17) Carbon Disulfide	2.508	76	1460	0.449	ug/l	99

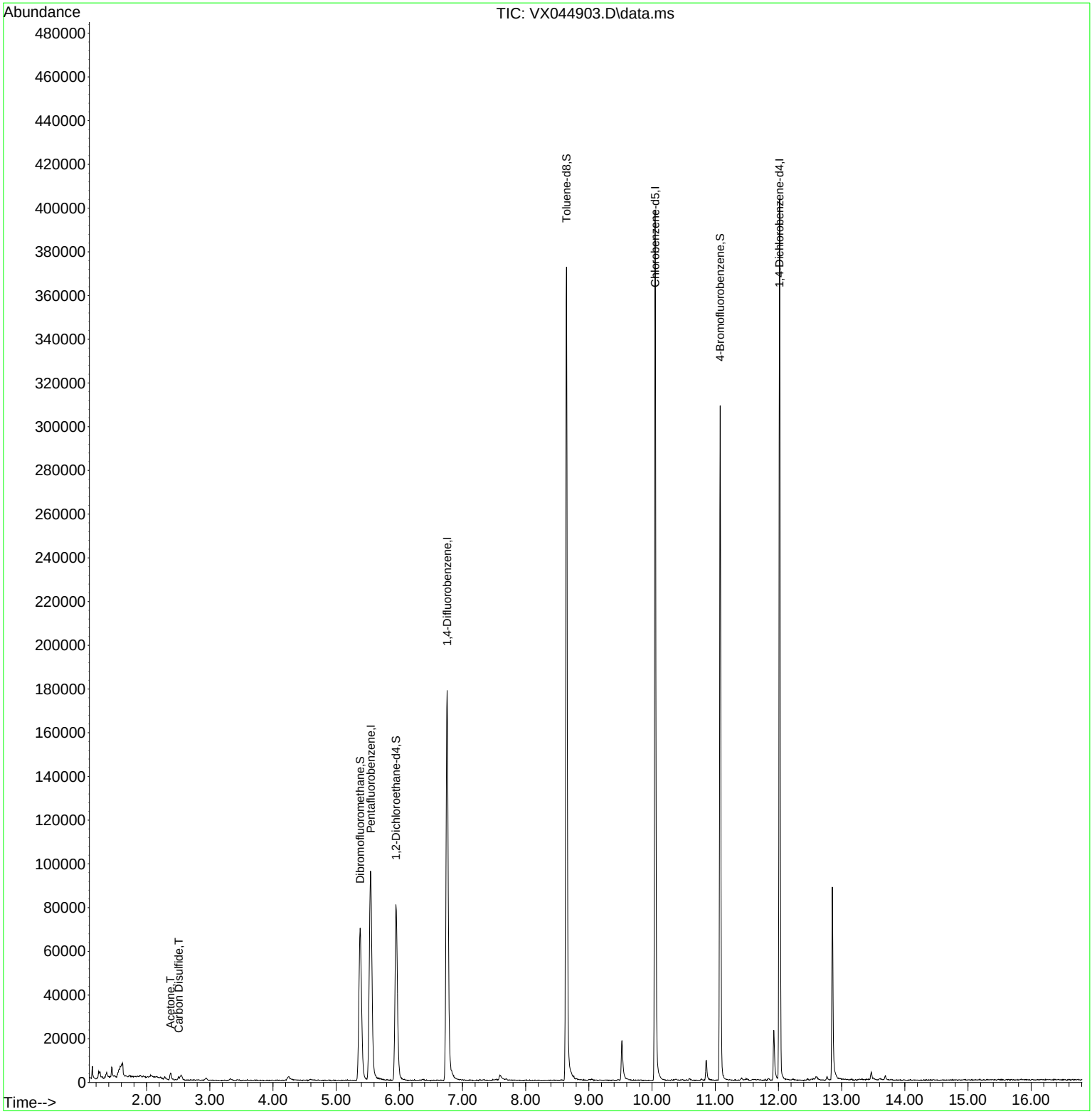
(#) = qualifier out of range (m) = manual integration (+) = signals summed

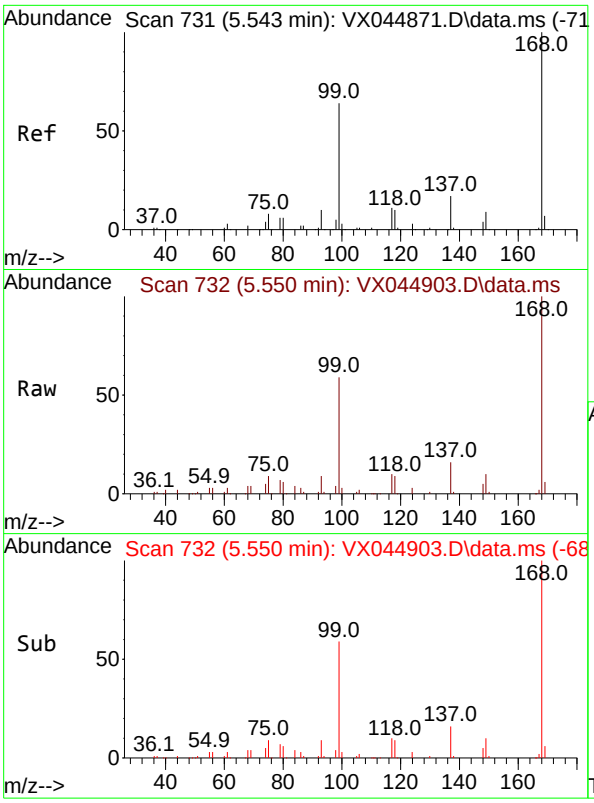
Sample Results: **VX044903.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044903.D
Acq On : 11 Feb 2025 14:06
Operator : JC/MD
Sample : Q1283-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-480-482

Quant Time: Feb 12 02:42:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



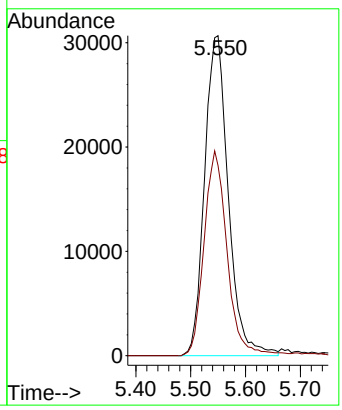


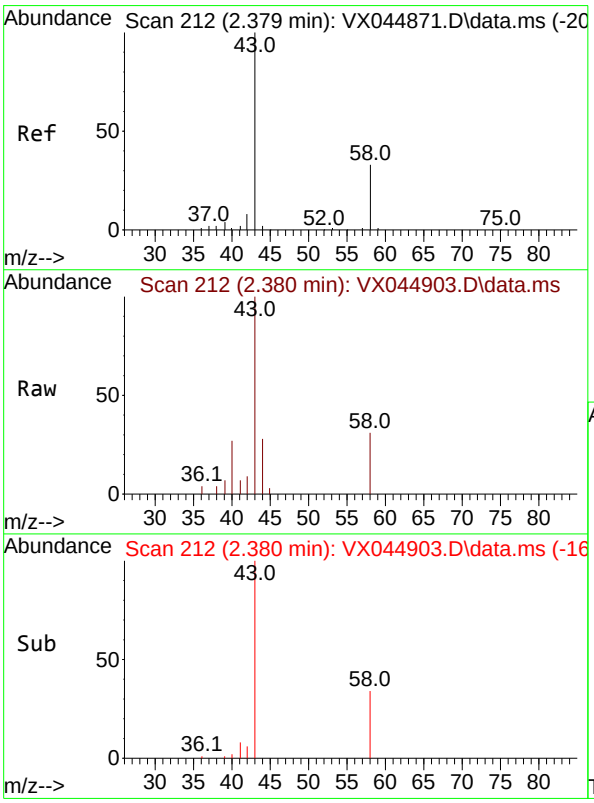
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX044903.D
Acq: 11 Feb 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-480-482

Tgt Ion:168 Resp: 92053

Ion	Ratio	Lower	Upper
168	100		
99	59.4	51.2	76.8

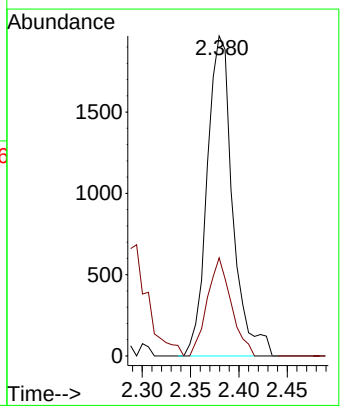


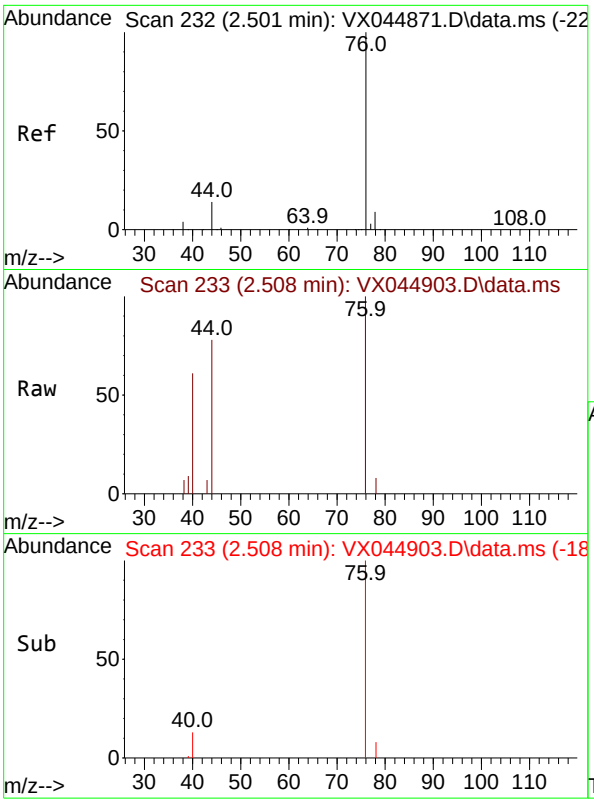


#16
Acetone
Concen: 6.677 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044903.D
Acq: 11 Feb 2025 14:06

Tgt Ion: 43 Resp: 3617

Ion	Ratio	Lower	Upper
43	100		
58	30.6	26.5	39.7



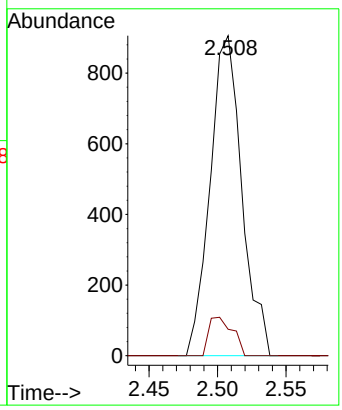


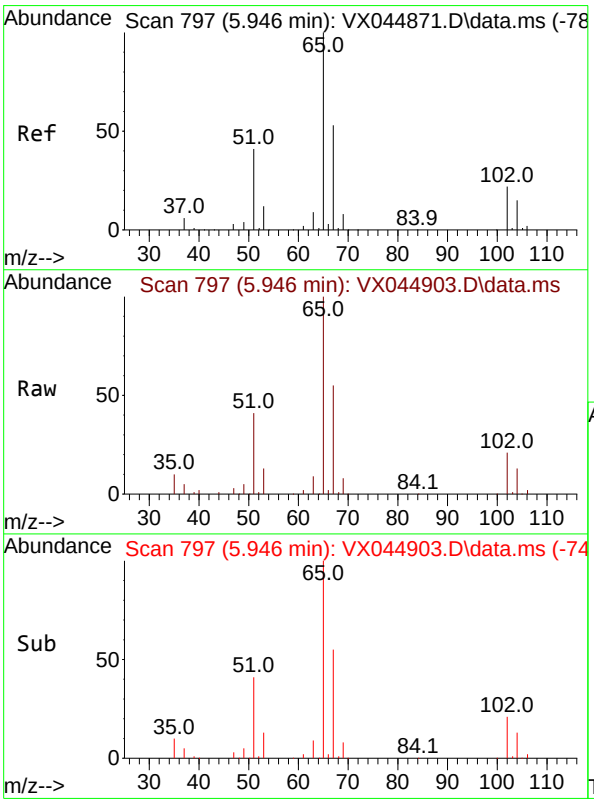
#17
Carbon Disulfide
Concen: 0.449 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044903.D
Acq: 11 Feb 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-480-482

Tgt Ion: 76 Resp: 1460

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.0	10.4

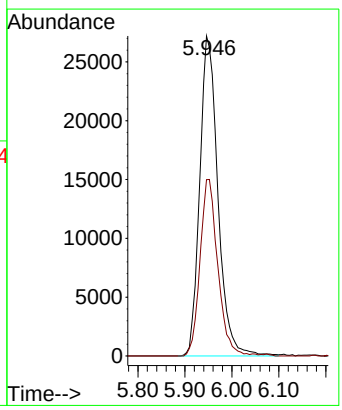


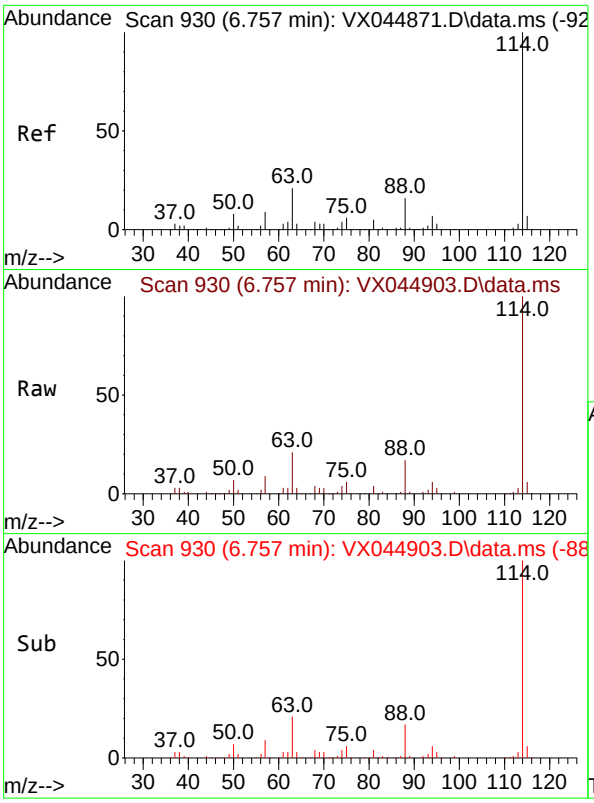


#33
1,2-Dichloroethane-d4
Concen: 54.392 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044903.D
Acq: 11 Feb 2025 14:06

Tgt Ion: 65 Resp: 73292

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	108.2



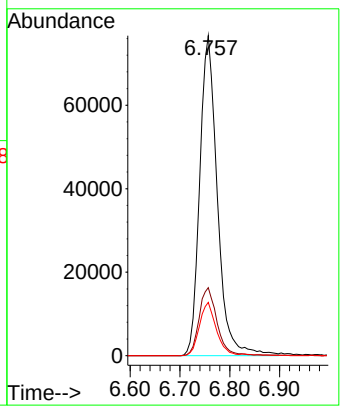


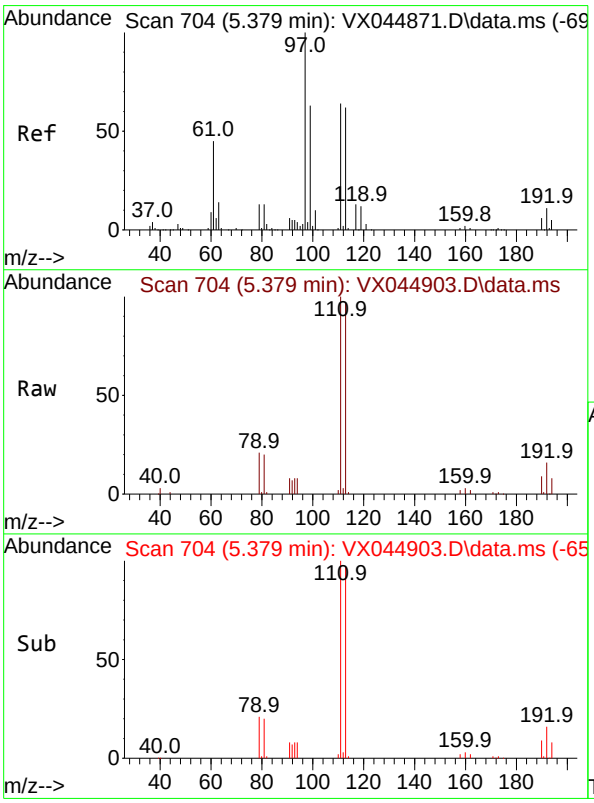
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044903.D
Acq: 11 Feb 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-480-482

Tgt Ion:114 Resp: 188552

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	16.6	0.0	31.4

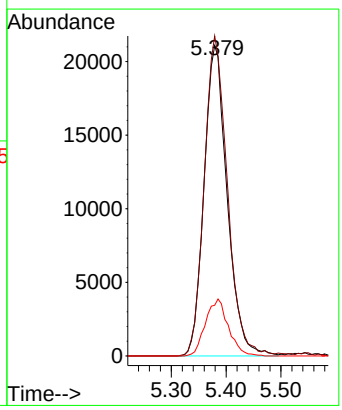


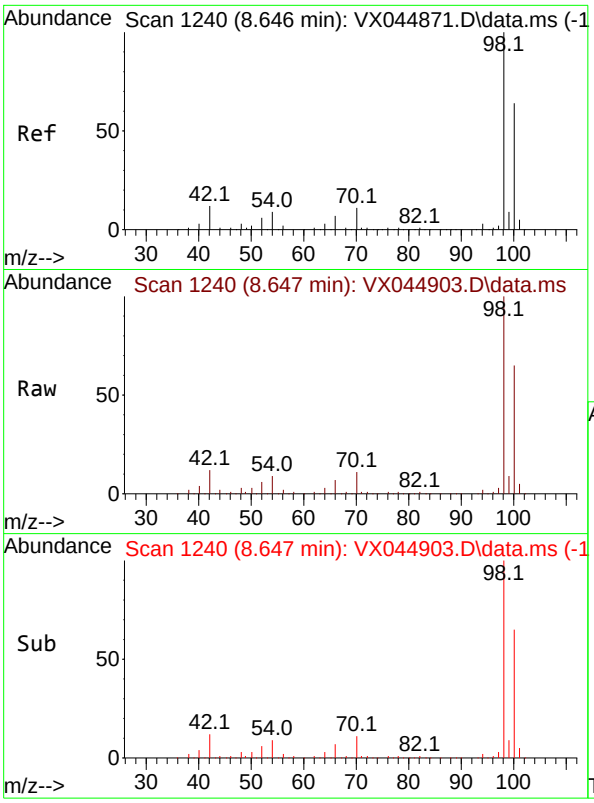


#35
Dibromofluoromethane
Concen: 50.328 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044903.D
Acq: 11 Feb 2025 14:06

Tgt Ion:113 Resp: 61697

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.5	125.3
192	18.2	14.4	21.6



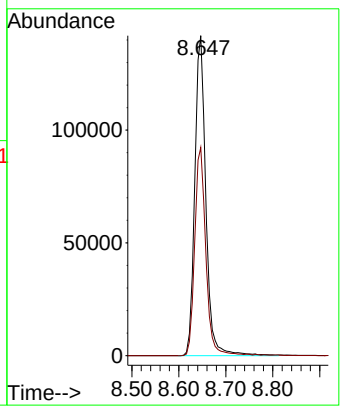


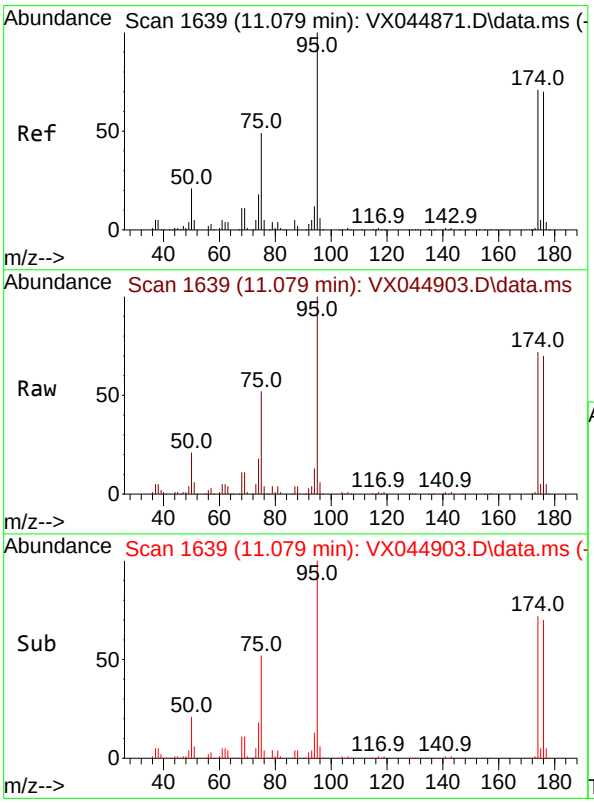
#50
Toluene-d8
Concen: 50.505 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044903.D
Acq: 11 Feb 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-480-482

Tgt Ion: 98 Resp: 234124

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1

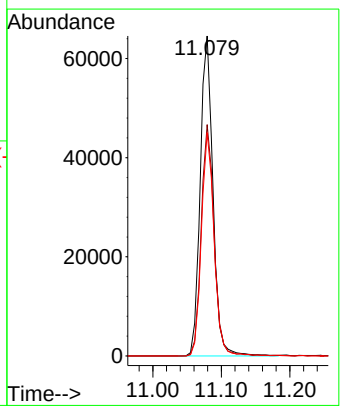


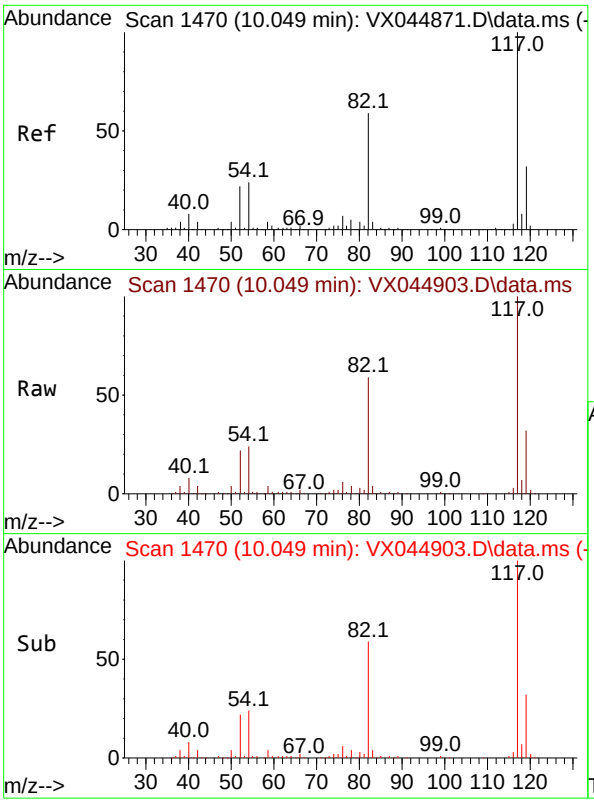


#62
4-Bromofluorobenzene
Concen: 53.584 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044903.D
Acq: 11 Feb 2025 14:06

Tgt Ion: 95 Resp: 83740

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	142.6
176	69.5	0.0	141.6



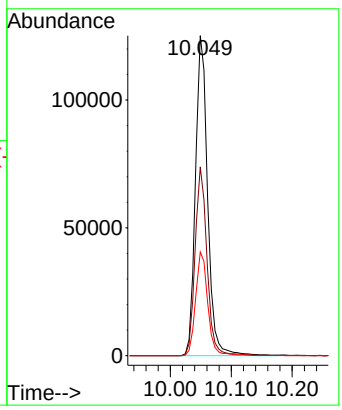


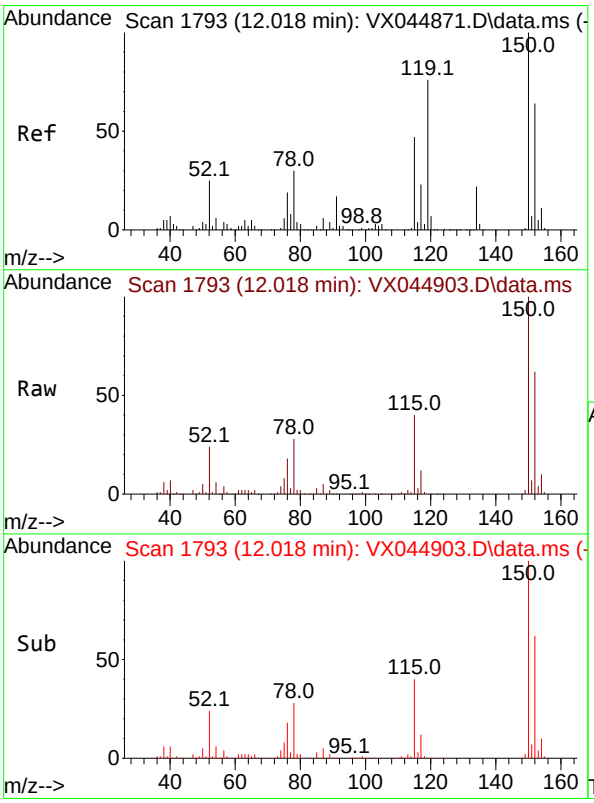
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044903.D
Acq: 11 Feb 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-480-482

Tgt Ion:117 Resp: 173671

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.5	71.3
119	32.4	25.4	38.0

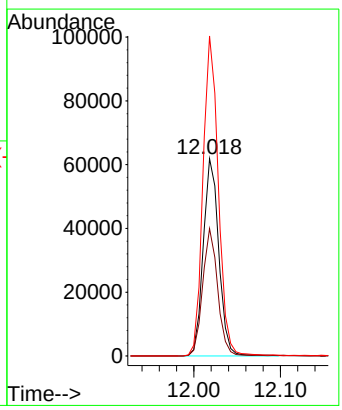




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044903.D
Acq: 11 Feb 2025 14:06

Tgt Ion:152 Resp: 77145

Ion	Ratio	Lower	Upper
152	100		
115	62.4	43.4	130.1
150	160.3	0.0	350.4



Sample Results: **VX044903.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044903.D
Acq On : 11 Feb 2025 14:06
Operator : JC/MD
Sample : Q1283-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-480-482

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

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

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

Signal : TIC: VX044903.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.569	72	79	80	rBV4	3732	7667	1.23%	0.224%
2	5.379	693	704	718	rBV2	69907	205204	32.82%	5.995%
3	5.544	722	731	747	rVV	95211	278464	44.53%	8.135%
4	5.946	788	797	812	rBV	80325	211432	33.81%	6.177%
5	6.757	921	930	941	rBV	178469	436858	69.87%	12.762%
6	7.592	1062	1067	1080	rBV4	2246	6573	1.05%	0.192%
7	8.647	1233	1240	1256	rBV	372232	625276	100.00%	18.267%
8	9.525	1378	1384	1393	rBV2	18164	34196	5.47%	0.999%
9	10.049	1465	1470	1490	rBV	398015	548208	87.67%	16.015%
10	10.860	1599	1603	1613	rBV3	9057	14544	2.33%	0.425%
11	11.079	1633	1639	1655	rBV	308652	402578	64.38%	11.761%
12	11.927	1774	1778	1788	rBV	22864	34907	5.58%	1.020%
13	12.018	1788	1793	1804	rVB	402556	495360	79.22%	14.471%
14	12.853	1925	1930	1945	rBV	88196	121753	19.47%	3.557%

Sum of corrected areas: 3423020

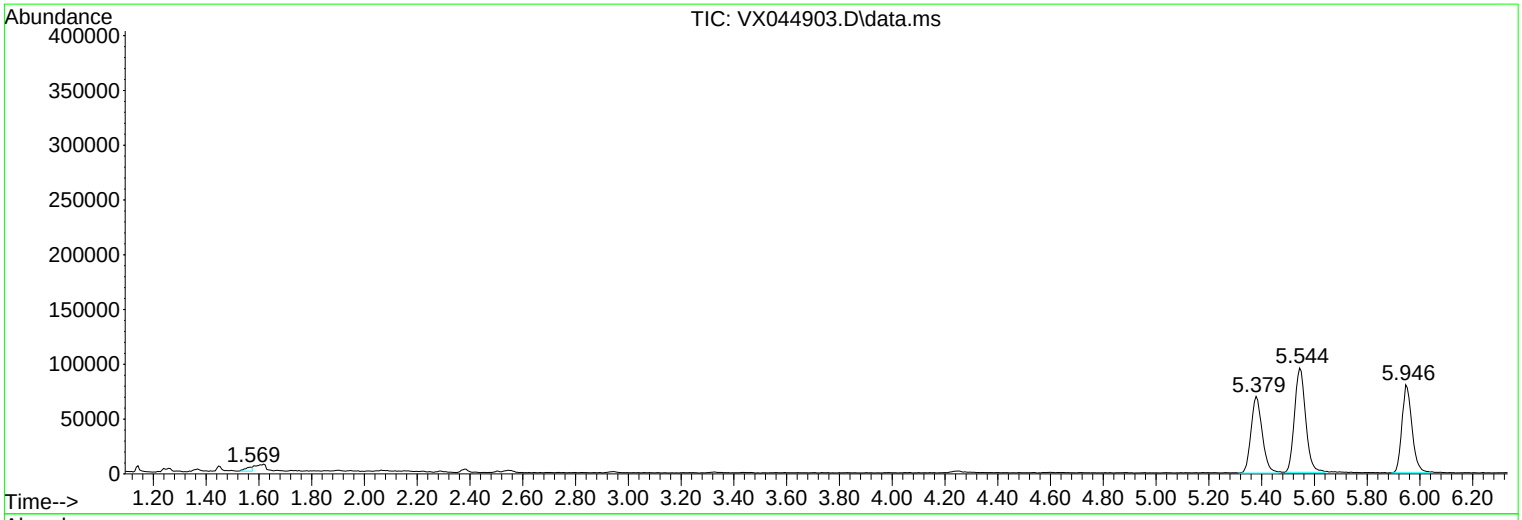
Sample Results: **VX044903.D**

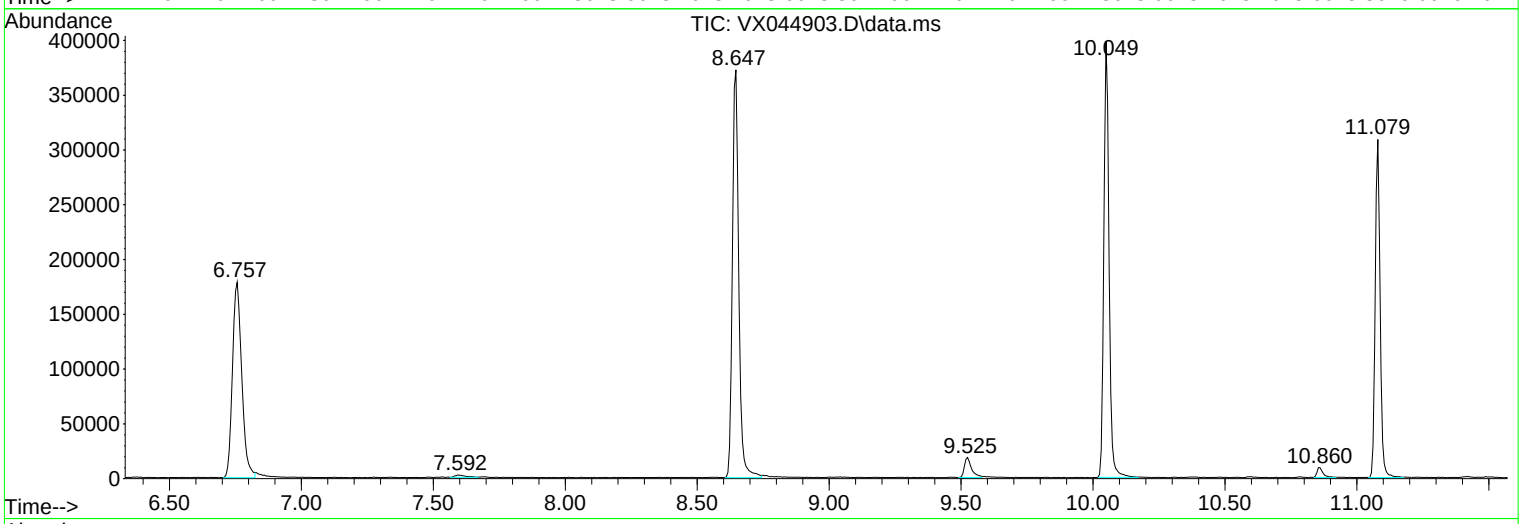
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044903.D
Acq On : 11 Feb 2025 14:06
Operator : JC/MD
Sample : Q1283-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

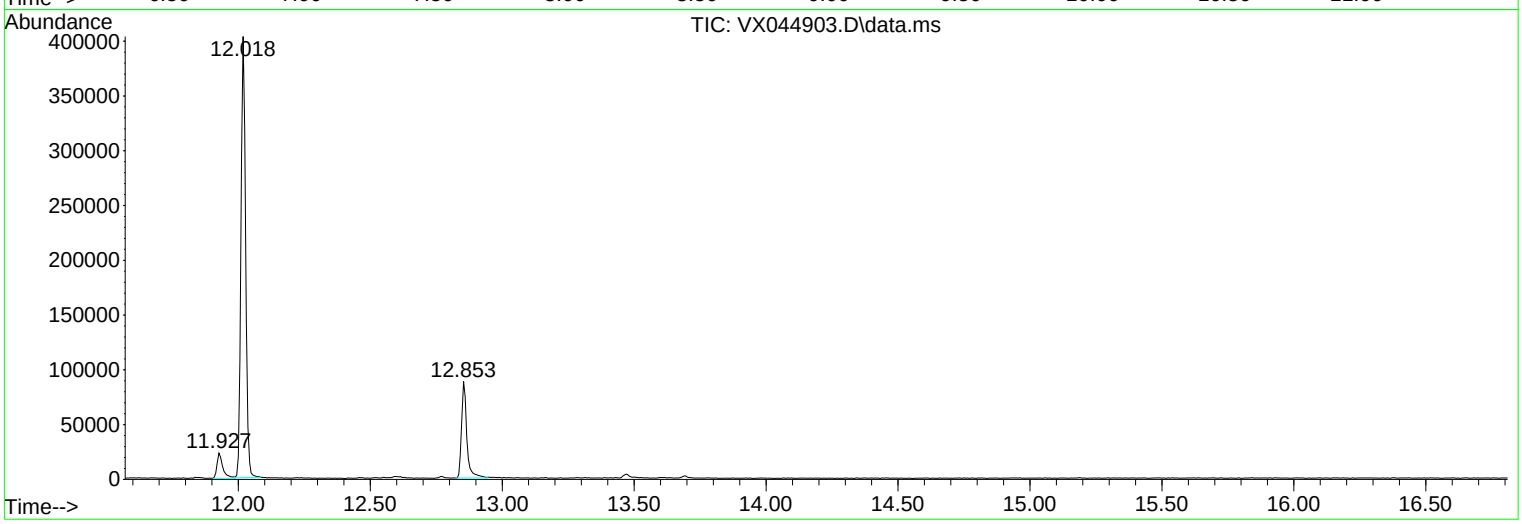
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-480-482

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

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







Library Search Compound Report

Sample Results: **VX044903.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044903.D
Acq On : 11 Feb 2025 14:06
Operator : JC/MD
Sample : Q1283-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-480-482

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

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Sample Results: **VX044903.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044903.D
Acq On : 11 Feb 2025 14:06
Operator : JC/MD
Sample : Q1283-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-480-482

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

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

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

Raw Data: **VX044904.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/31/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	BP-VPB-192-GW-500-502	SDG No.:	Q1283
Lab Sample ID:	Q1283-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044904.D	1		02/11/25 14:29	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	4.80	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Raw Data: **VX044904.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/31/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	BP-VPB-192-GW-500-502	SDG No.:	Q1283
Lab Sample ID:	Q1283-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044904.D	1		02/11/25 14:29	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.0		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	94200	5.544				
540-36-3	1,4-Difluorobenzene	191000	6.757				
3114-55-4	Chlorobenzene-d5	173000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	74300	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VX044904.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/31/25
Project:	CTO WE13	Date Received:	02/03/25
Client Sample ID:	BP-VPB-192-GW-500-502	SDG No.:	Q1283
Lab Sample ID:	Q1283-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044904.D	1		02/11/25 14:29	VX021125

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

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

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

Sample Results: **VX044904.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044904.D
Acq On : 11 Feb 2025 14:29
Operator : JC/MD
Sample : Q1283-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-500-502

Quant Time: Feb 12 02:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	94241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	190687	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	73103	52.992	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.980%			
35) Dibromofluoromethane	5.385	113	62559	50.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.920%			
50) Toluene-d8	8.647	98	232522	49.598	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.200%			
62) 4-Bromofluorobenzene	11.079	95	81582	51.619	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.240%			
Target Compounds						Qvalue
16) Acetone	2.380	43	2688	4.847	ug/l #	86

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

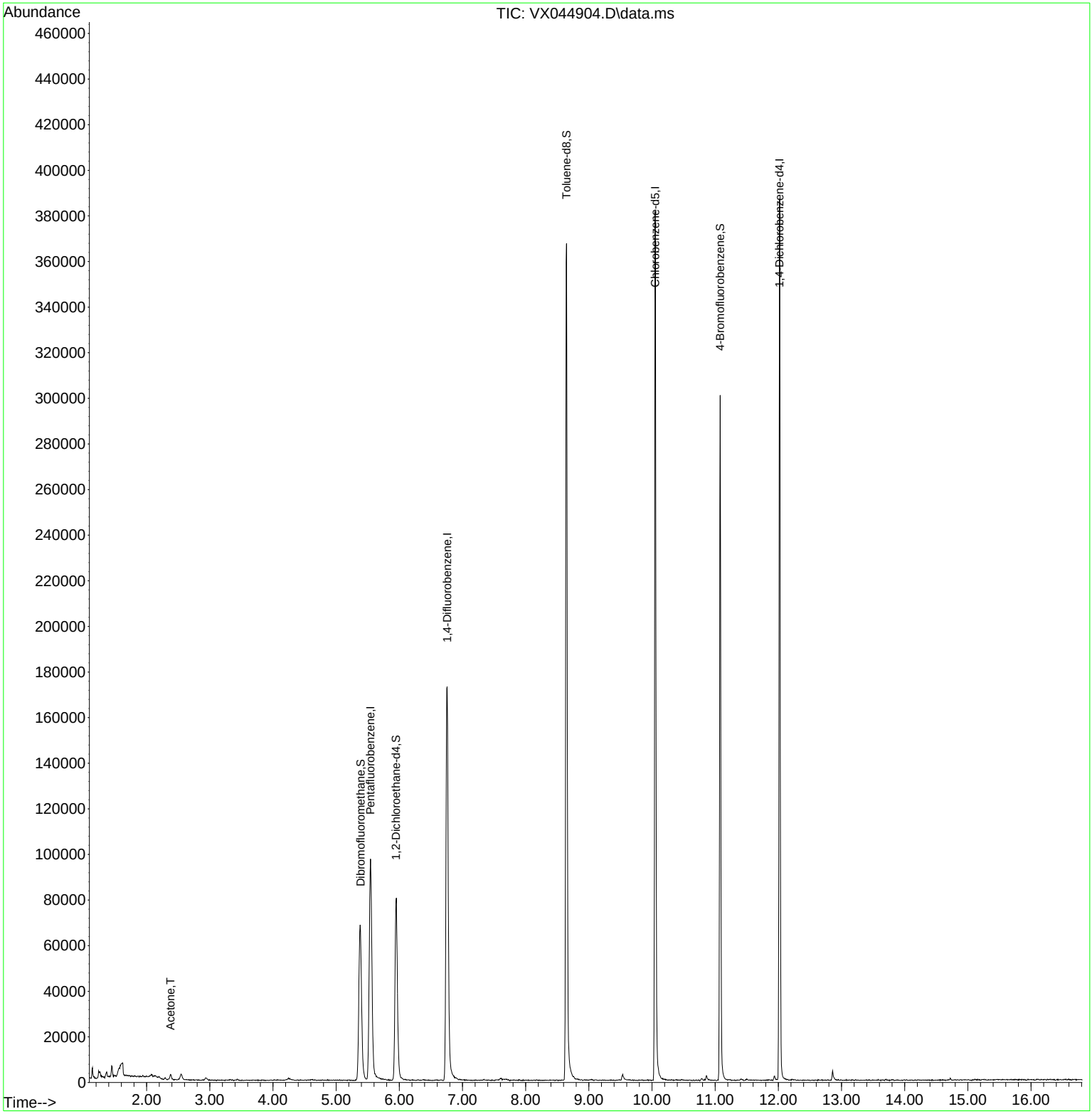
Quantitation Report (QT Reviewed)

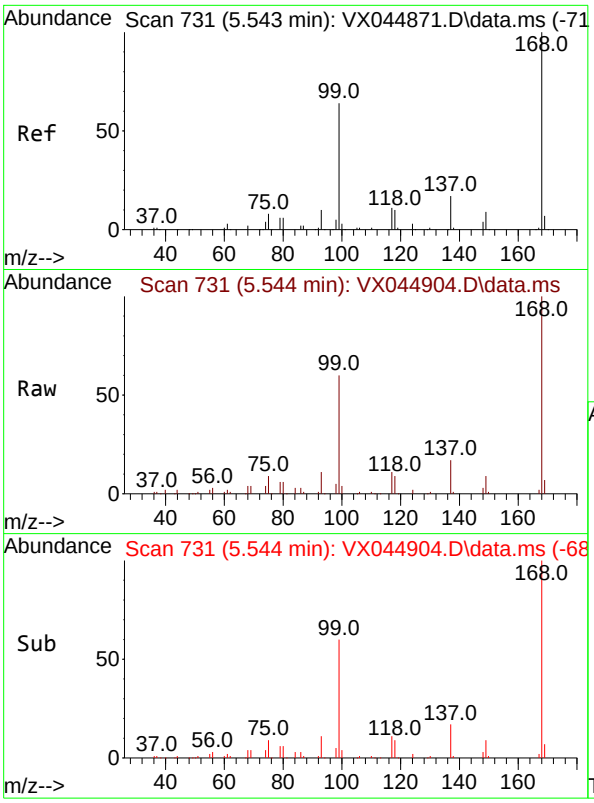
Sample Results: **VX044904.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044904.D
Acq On : 11 Feb 2025 14:29
Operator : JC/MD
Sample : Q1283-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-500-502

Quant Time: Feb 12 02:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



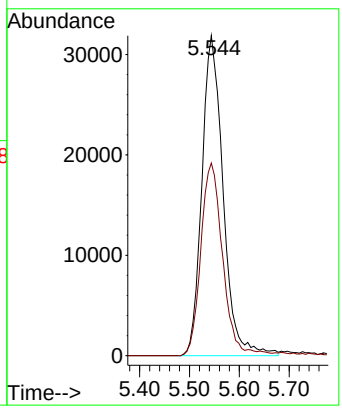


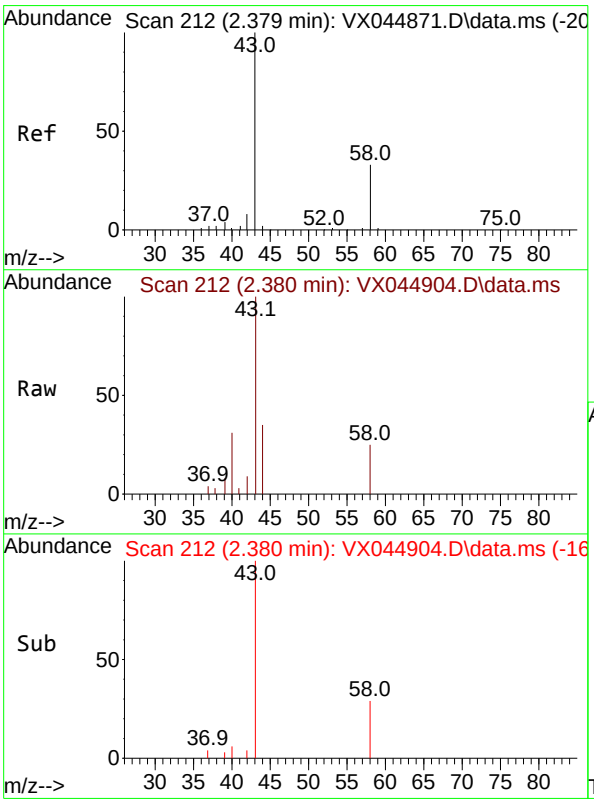
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044904.D
Acq: 11 Feb 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-500-502

Tgt Ion:168 Resp: 94241

Ion	Ratio	Lower	Upper
168	100		
99	60.2	51.2	76.8

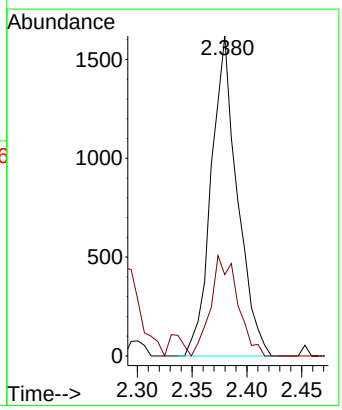


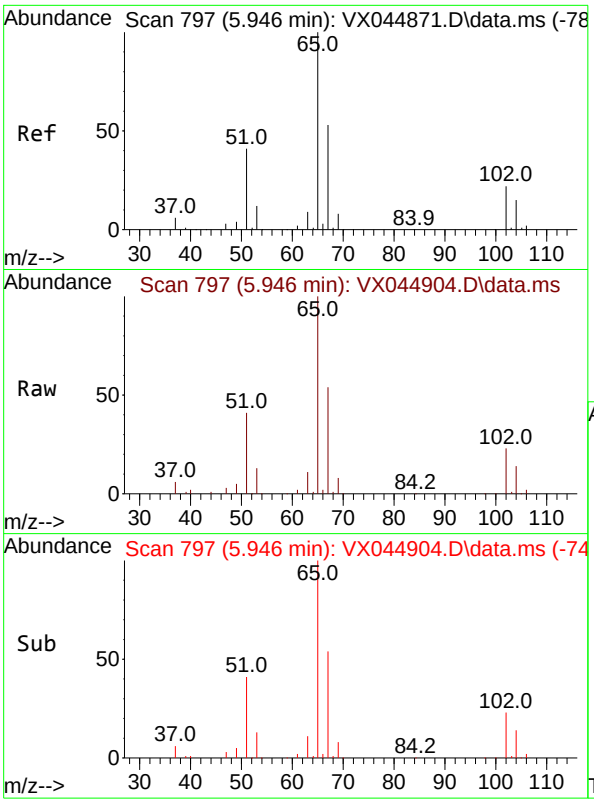


#16
Acetone
Concen: 4.847 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044904.D
Acq: 11 Feb 2025 14:29

Tgt Ion: 43 Resp: 2688

Ion	Ratio	Lower	Upper
43	100		
58	25.4	26.5	39.7#



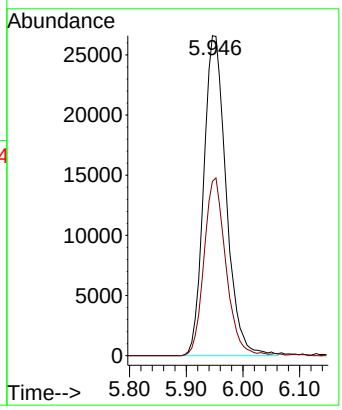


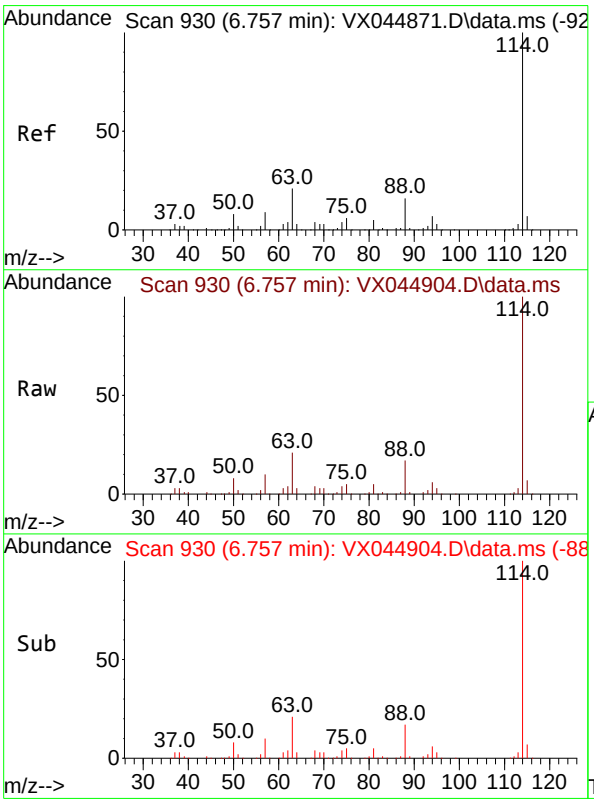
#33
1,2-Dichloroethane-d4
Concen: 52.992 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044904.D
Acq: 11 Feb 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-500-502

Tgt Ion: 65 Resp: 73103

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	108.2

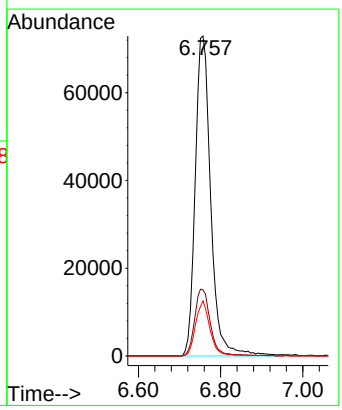


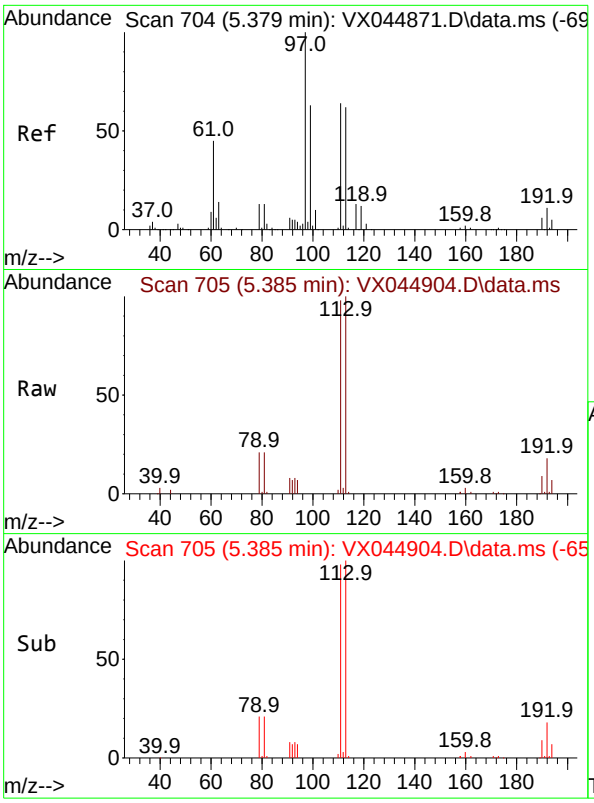


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044904.D
Acq: 11 Feb 2025 14:29

Tgt Ion:114 Resp: 190687

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.4
88	17.2	0.0	31.4



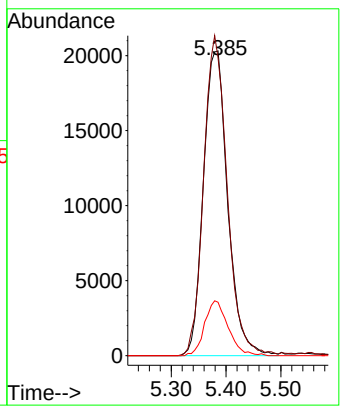


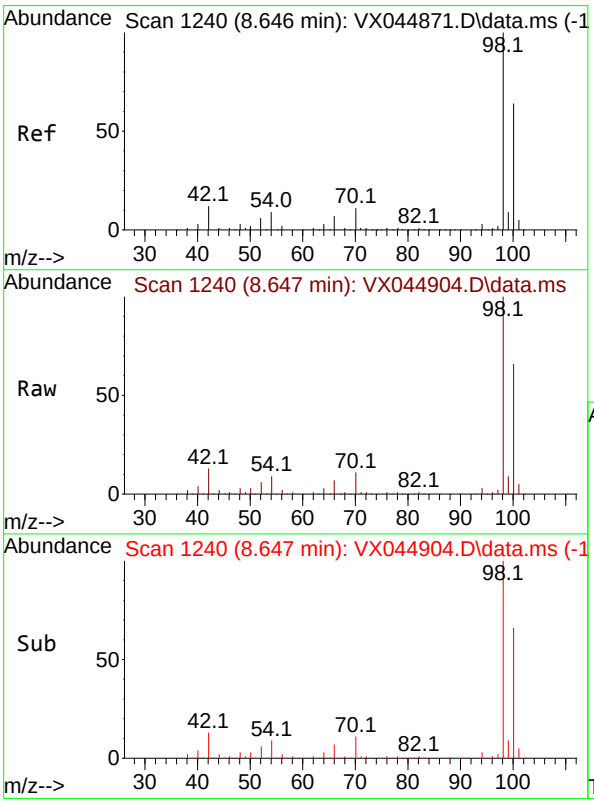
#35
Dibromofluoromethane
Concen: 50.460 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. 0.007 min
Lab File: VX044904.D
Acq: 11 Feb 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-500-502

Tgt Ion:113 Resp: 62559

Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.5	125.3
192	17.4	14.4	21.6

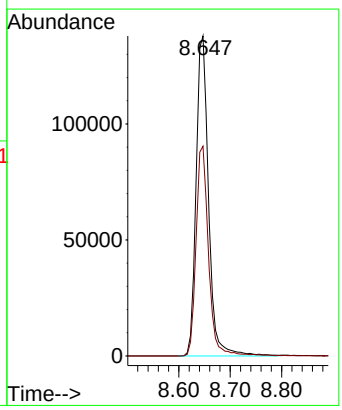


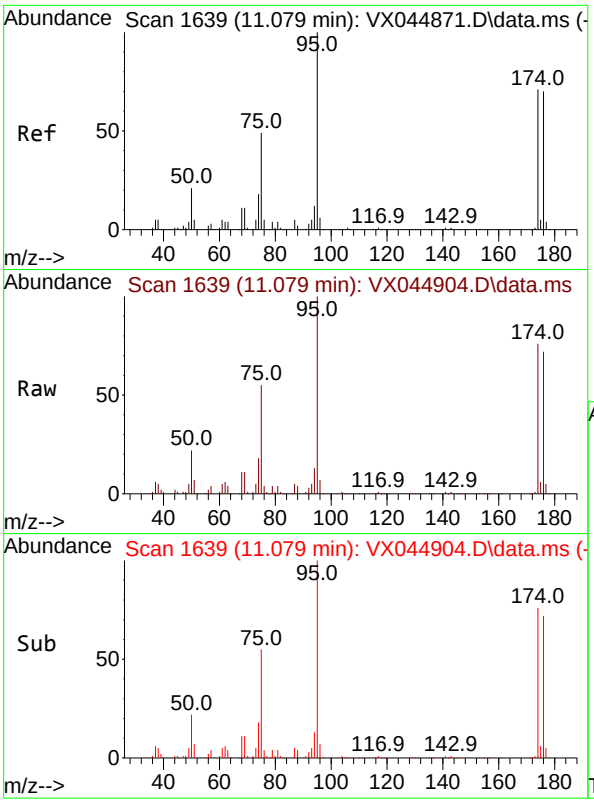


#50
Toluene-d8
Concen: 49.598 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044904.D
Acq: 11 Feb 2025 14:29

Tgt Ion: 98 Resp: 232522

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.7	79.1



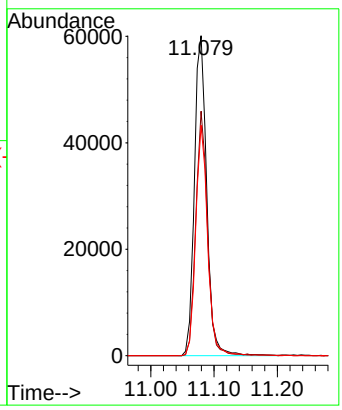


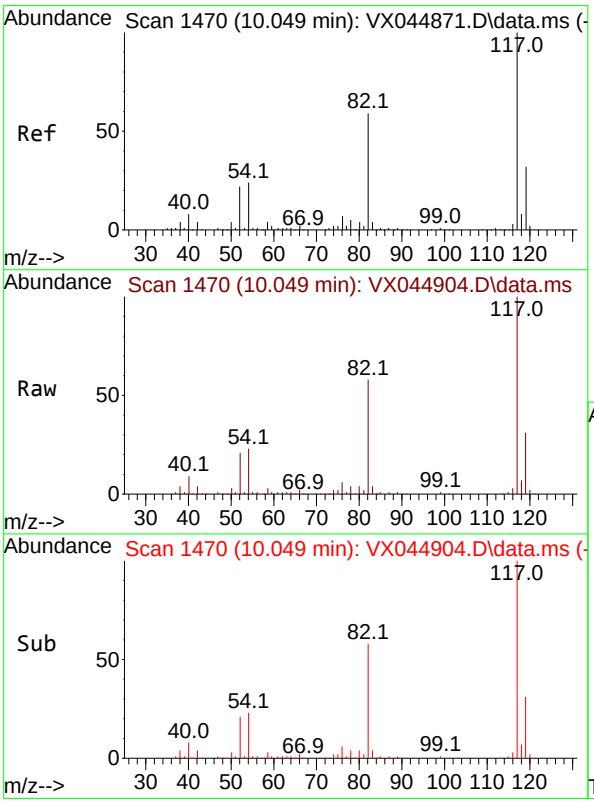
#62
4-Bromofluorobenzene
Concen: 51.619 ug/l
RT: 11.079 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044904.D
Acq: 11 Feb 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-500-502

Tgt Ion: 95 Resp: 81582

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	142.6
176	69.8	0.0	141.6

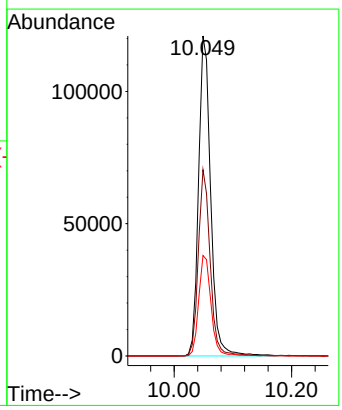


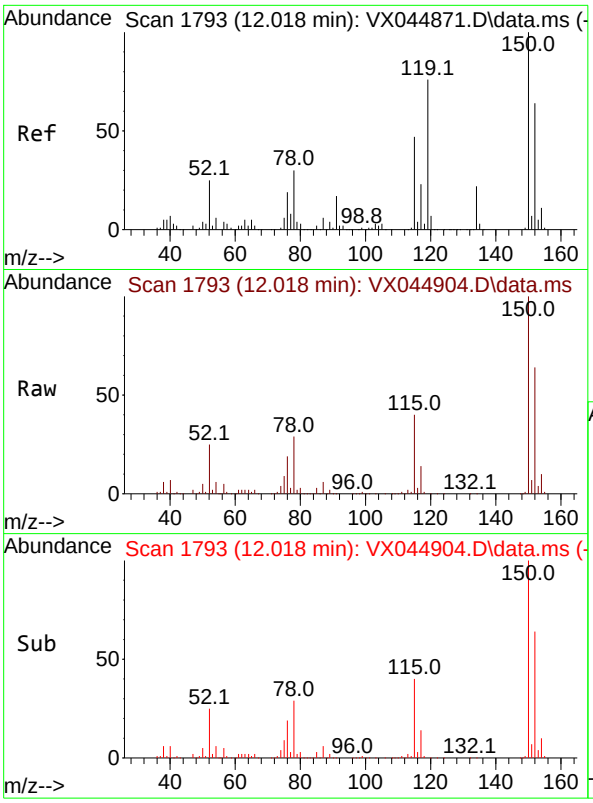


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044904.D
Acq: 11 Feb 2025 14:29

Tgt Ion:117 Resp: 172611

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.5	71.3
119	31.4	25.4	38.0



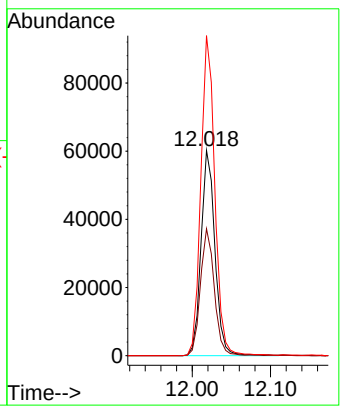


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044904.D
Acq: 11 Feb 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-500-502

Tgt Ion:152 Resp: 74263

Ion	Ratio	Lower	Upper
152	100		
115	62.0	43.4	130.1
150	156.7	0.0	350.4



Sample Results: **VX044904.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044904.D
Acq On : 11 Feb 2025 14:29
Operator : JC/MD
Sample : Q1283-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-500-502

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

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

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

Signal : TIC: VX044904.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.569	70	79	80	rBV4	3856	8193	1.31%	0.256%
2	5.379	693	704	721	rBV2	68142	205347	32.92%	6.427%
3	5.544	721	731	746	rBV	96457	281256	45.09%	8.803%
4	5.952	787	798	818	rBV	79963	214347	34.36%	6.709%
5	6.757	920	930	949	rBV	172741	444969	71.33%	13.928%
6	8.647	1233	1240	1263	rBV	366736	623782	100.00%	19.524%
7	10.049	1465	1470	1489	rBV	381048	541798	86.86%	16.958%
8	11.079	1634	1639	1654	rBV	300332	394401	63.23%	12.345%
9	12.018	1788	1793	1805	rBV	386280	473879	75.97%	14.832%
10	12.860	1925	1931	1938	rBV4	4247	6909	1.11%	0.216%

Sum of corrected areas: 3194881

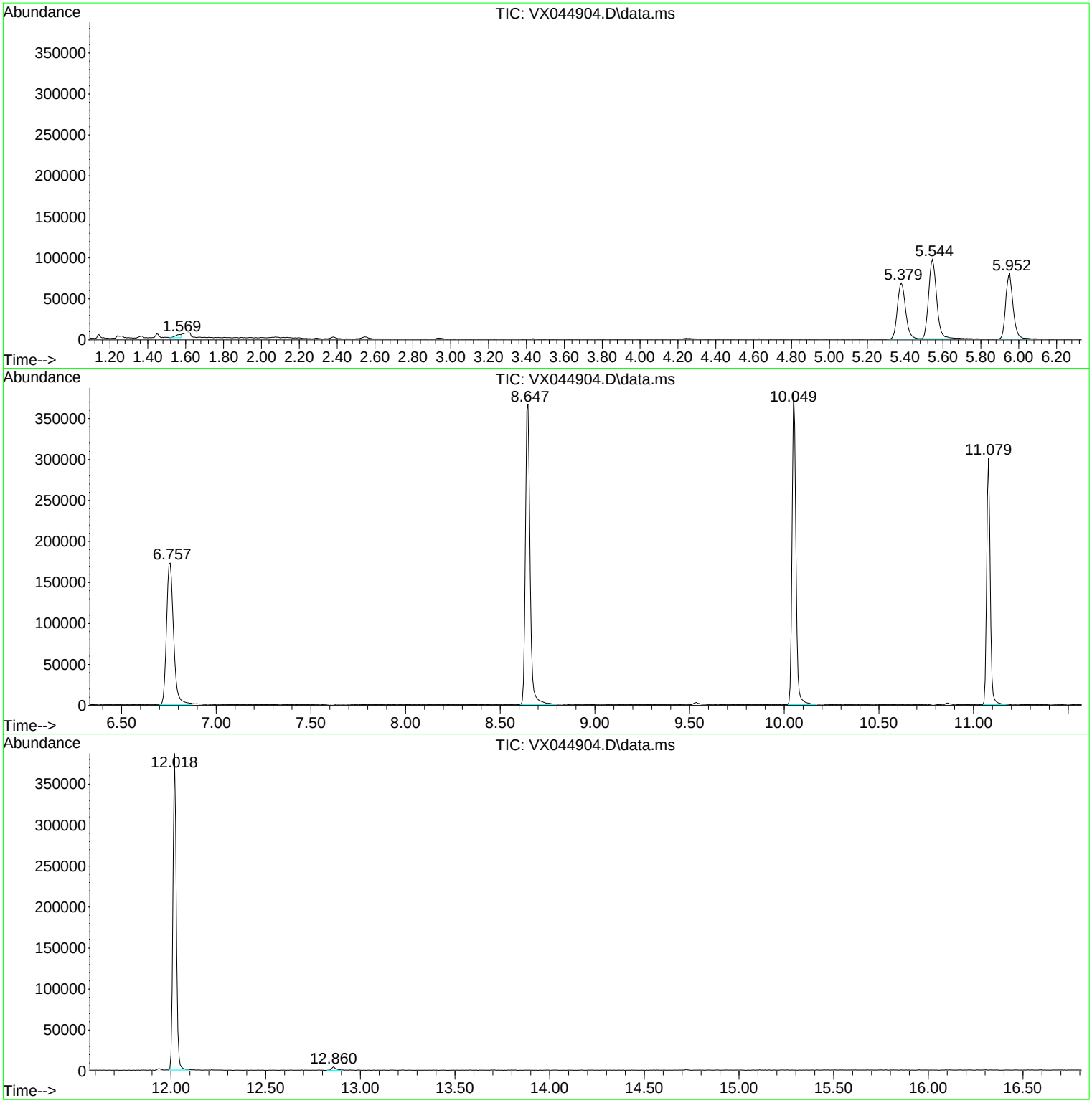
Sample Results: **VX044904.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044904.D
Acq On : 11 Feb 2025 14:29
Operator : JC/MD
Sample : Q1283-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-500-502

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

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



Library Search Compound Report

Sample Results: **VX044904.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044904.D
Acq On : 11 Feb 2025 14:29
Operator : JC/MD
Sample : Q1283-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-500-502

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

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Sample Results: **VX044904.D**

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  Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
  Data File : VX044904.D
  Acq On    : 11 Feb 2025  14:29
  Operator  : JC/MD
  Sample    : Q1283-05
  Misc      : 5.0mL/MSVOA_X/WATER
  ALS Vial  : 13   Sample Multiplier: 1

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

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

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-500-502

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

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1283 SAS No.: Q1283 SDG No.: Q1283

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

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

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

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

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

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1283 SAS No.: Q1283 SDG No.: Q1283

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

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

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

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

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

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

Response Factor Report MSVOA_X2

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

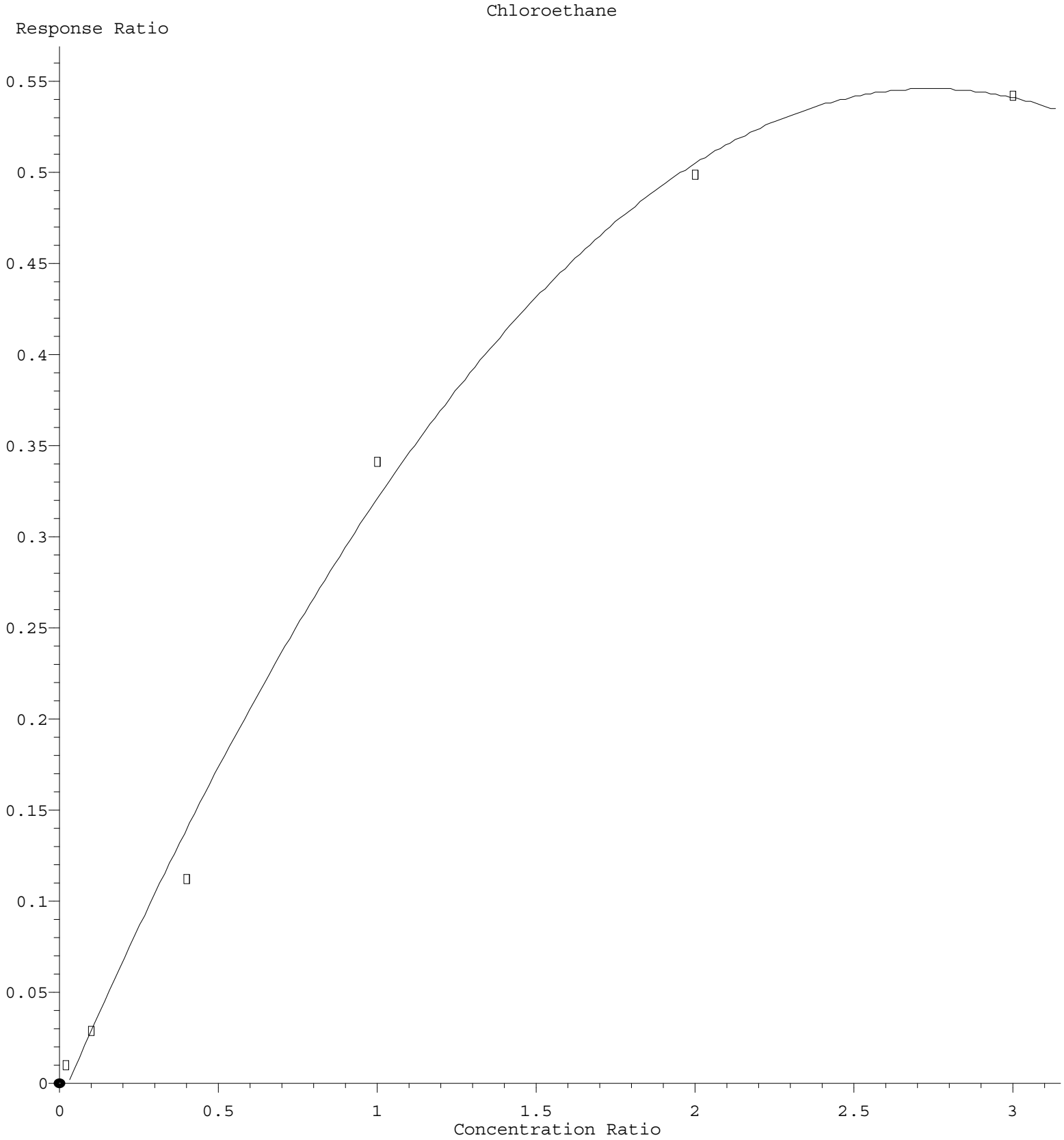
Calibration Files
1 =VX044868.D 5 =VX044869.D 20 =VX044870.D 50 =VX044871.D 100 =VX044872.D 150 =VX044873.D

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

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

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

(#) = Out of Range



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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

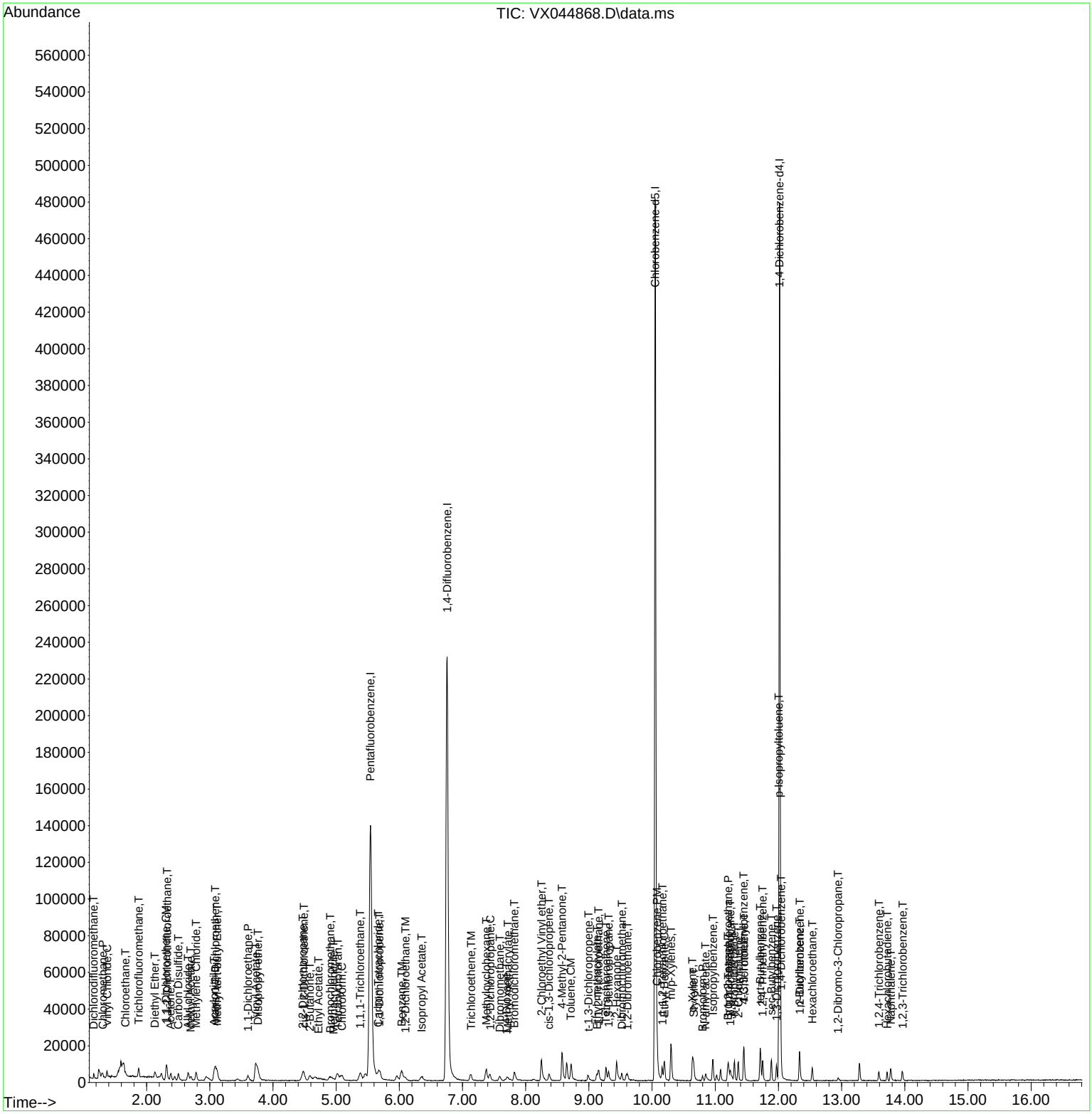
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

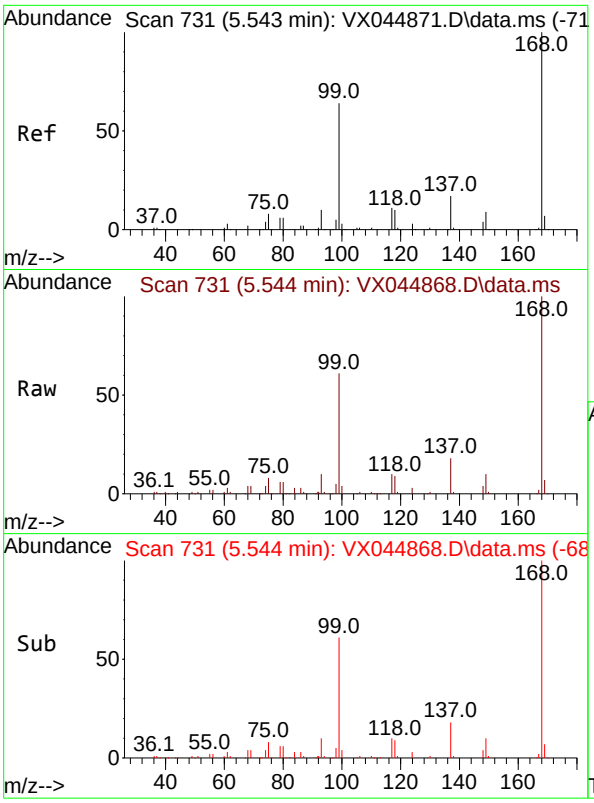
Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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





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

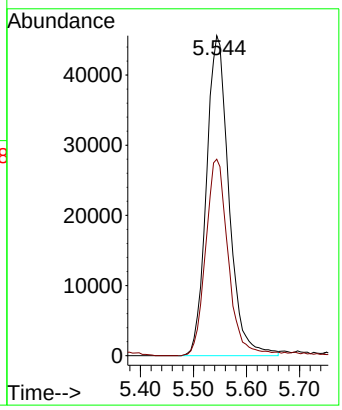
Tgt Ion:168 Resp: 134134

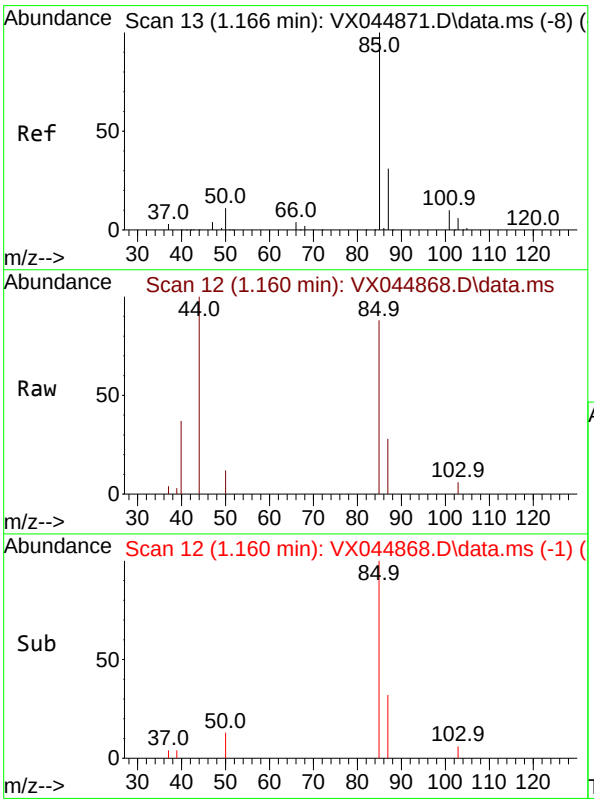
Ion	Ratio	Lower	Upper
168	100		
99	61.4	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

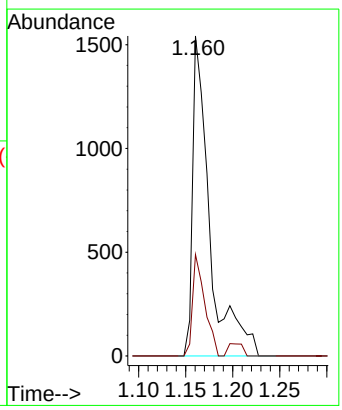


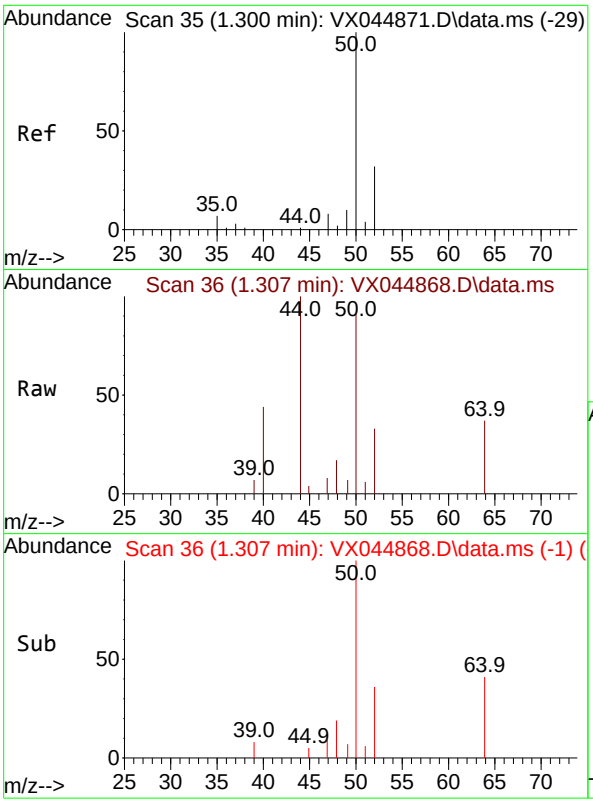


#2
Dichlorodifluoromethane
Concen: 1.031 ug/l m
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 85 Resp: 1939

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.8	47.3





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

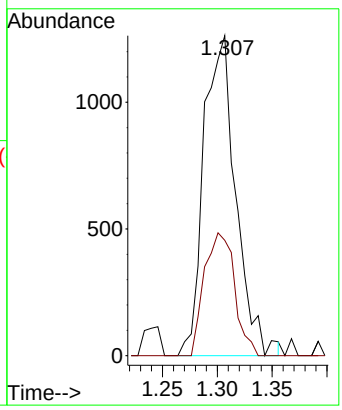
Tgt Ion: 50 Resp: 257

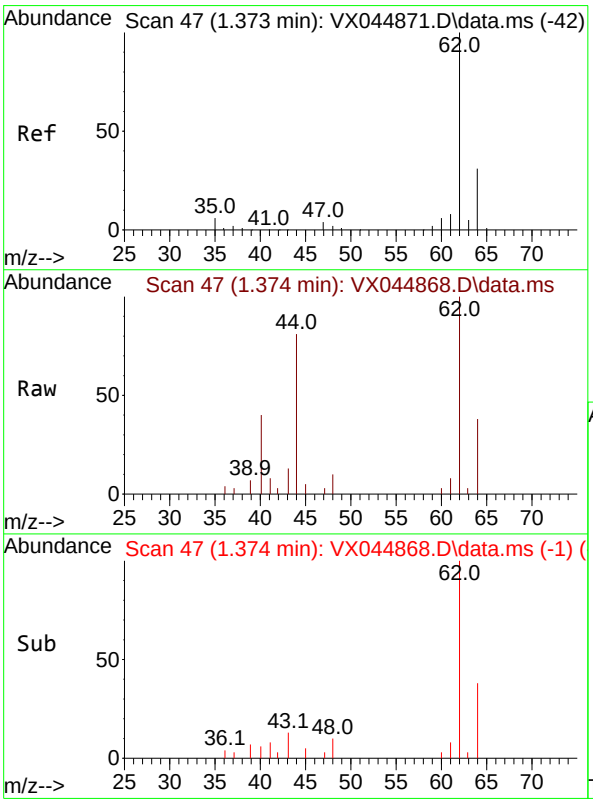
Ion	Ratio	Lower	Upper
50	100		
52	36.0	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

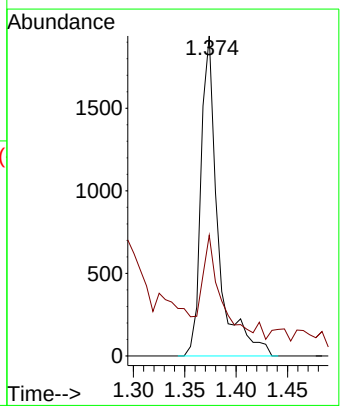


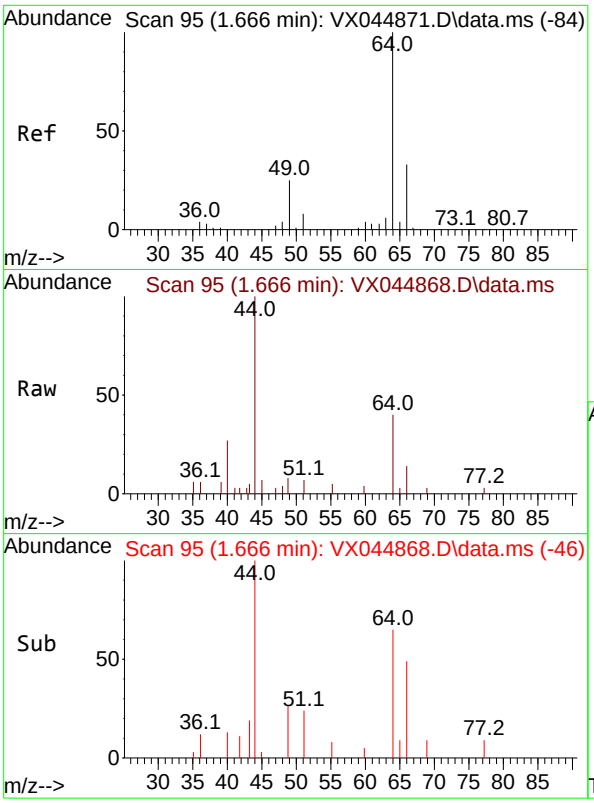


#4
Vinyl Chloride
Concen: 1.015 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 62 Resp: 2252

Ion	Ratio	Lower	Upper
62	100		
64	29.4	25.4	38.0





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

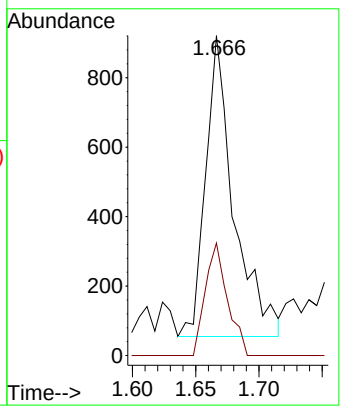
Tgt Ion: 64 Resp: 134

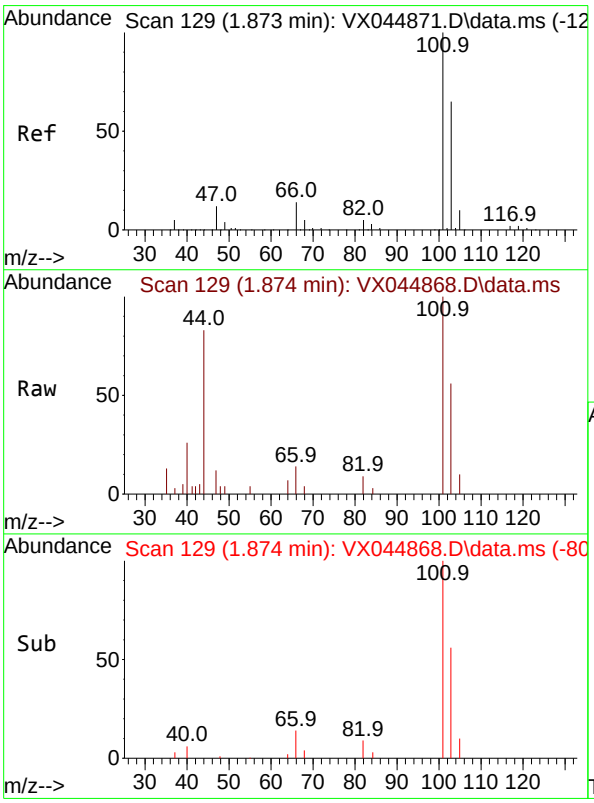
Ion	Ratio	Lower	Upper
64	100		
66	37.4	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

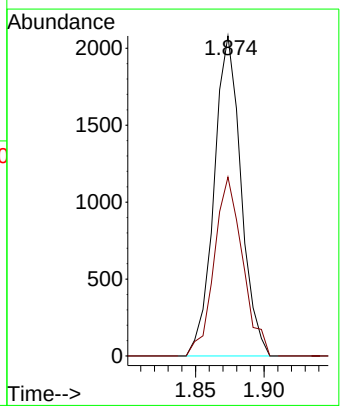


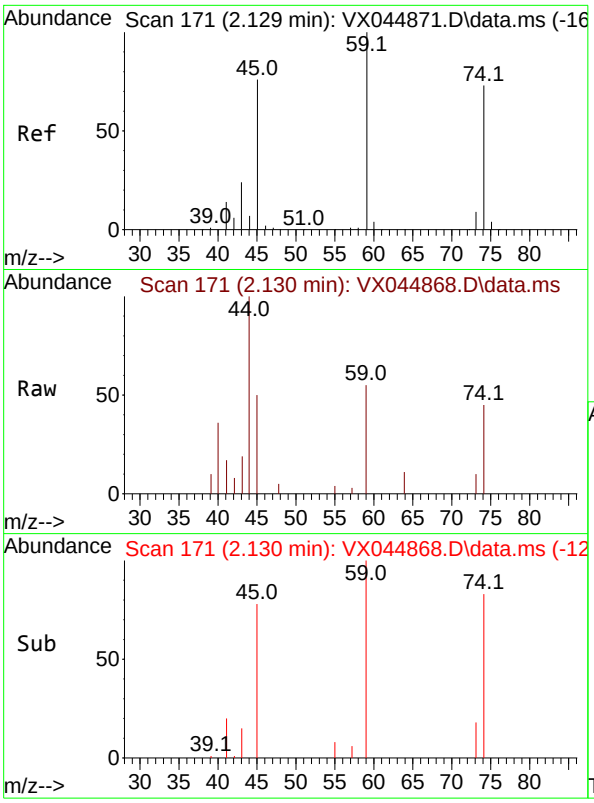


#7
Trichlorofluoromethane
Concen: 1.016 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:101 Resp: 2849

Ion	Ratio	Lower	Upper
101	100		
103	55.9	52.4	78.6





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

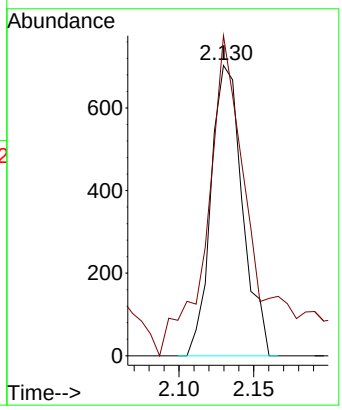
Tgt Ion: 74 Resp: 103

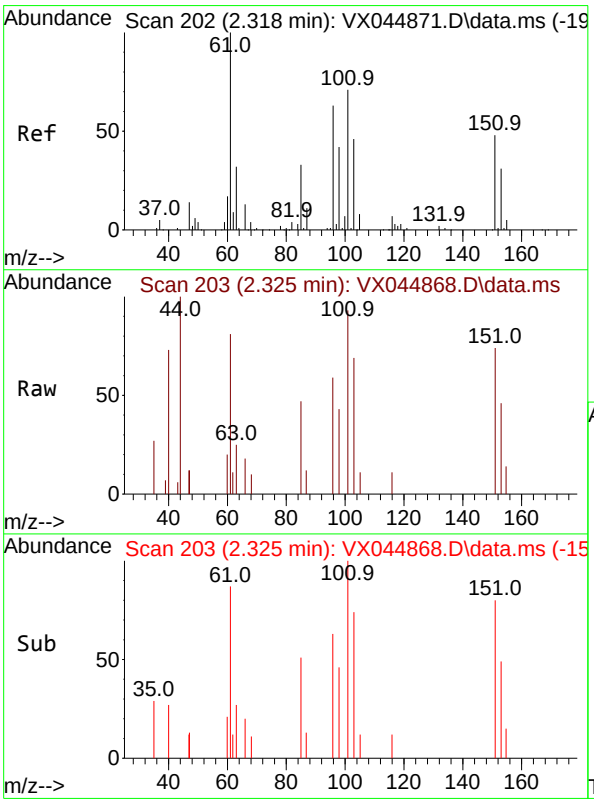
Ion	Ratio	Lower	Upper
74	100		
45	166.1	51.1	153.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

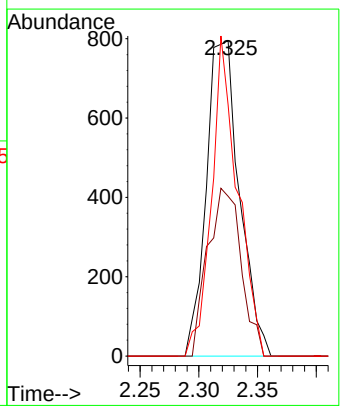


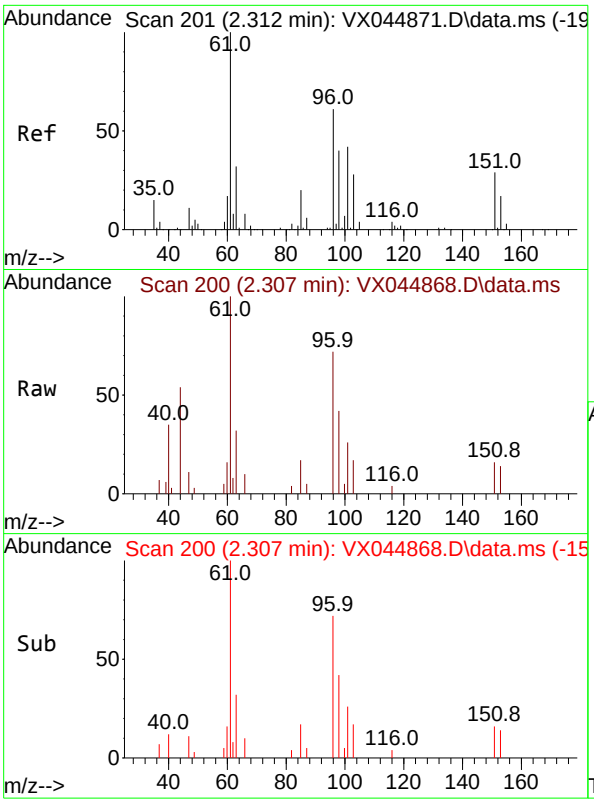


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.923 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:101 Resp: 1564

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





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

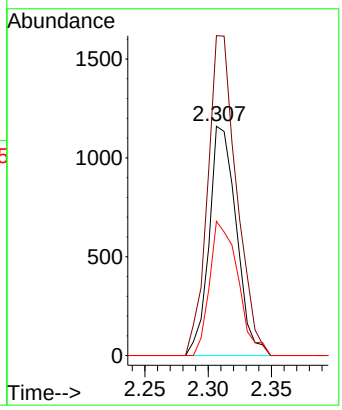
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

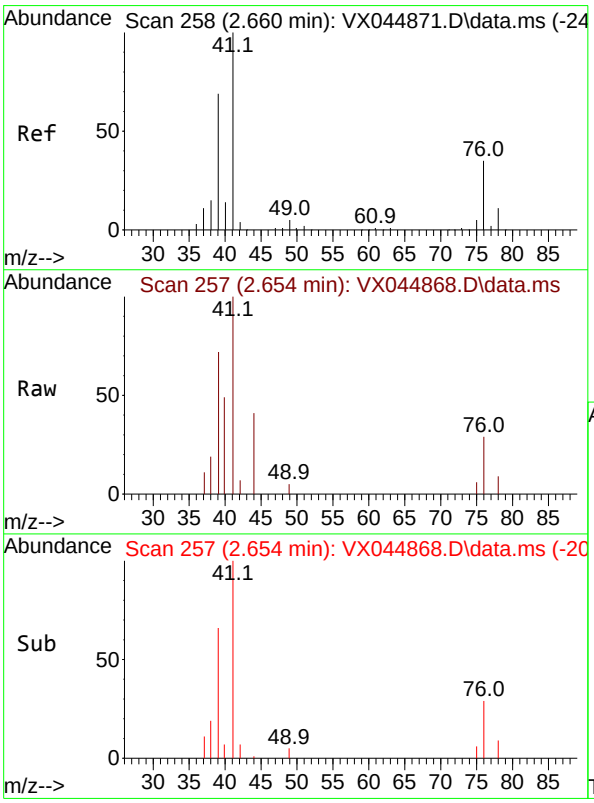
Tgt Ion: 96 Resp: 173

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

Manual Integrations
APPROVED

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

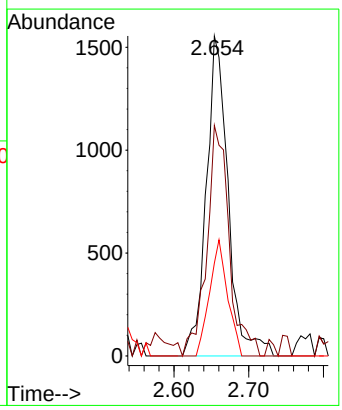


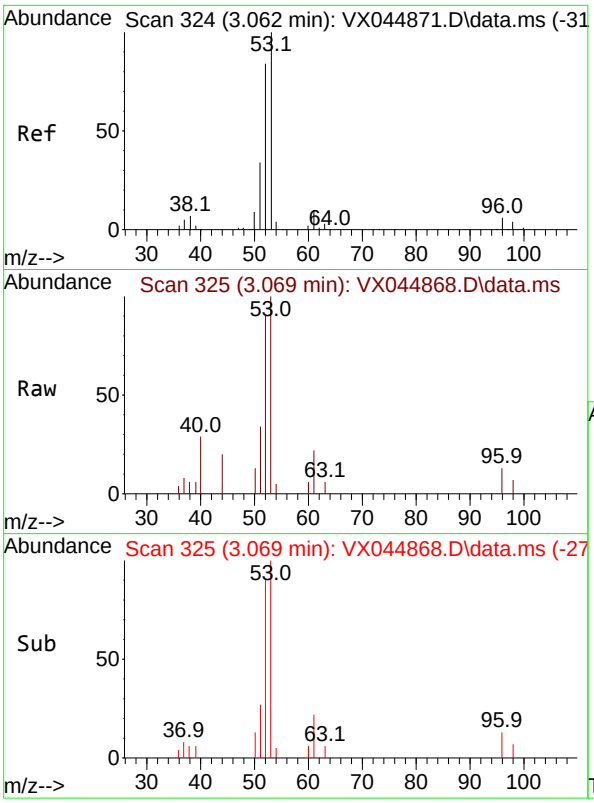


#14
Allyl chloride
Concen: 1.013 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 3164

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





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

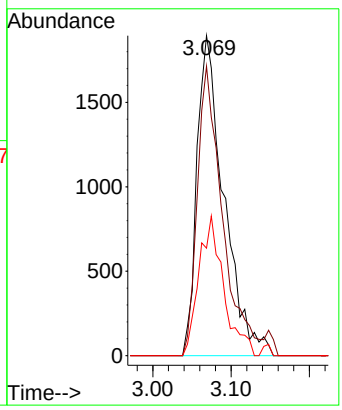
Tgt Ion: 53 Resp: 452

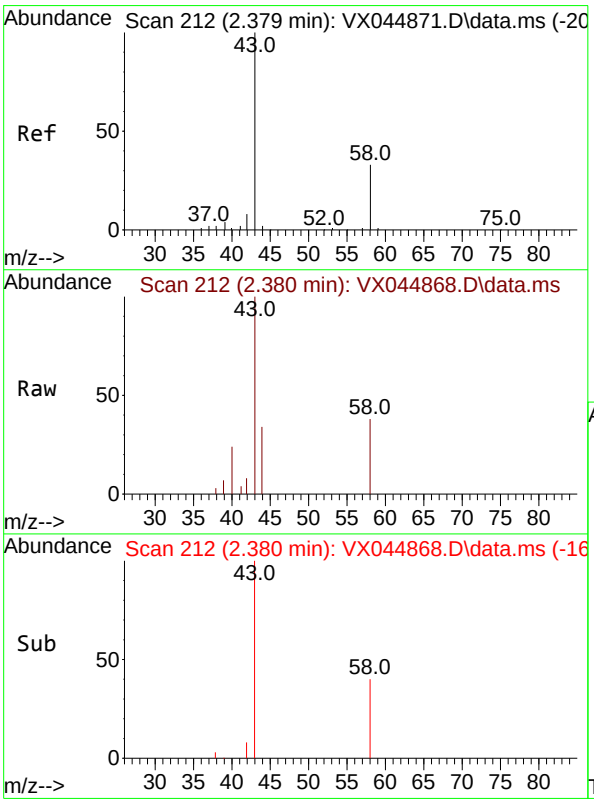
Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.0	97.6
51	40.0	28.0	42.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

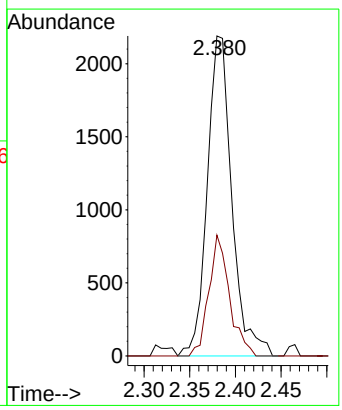


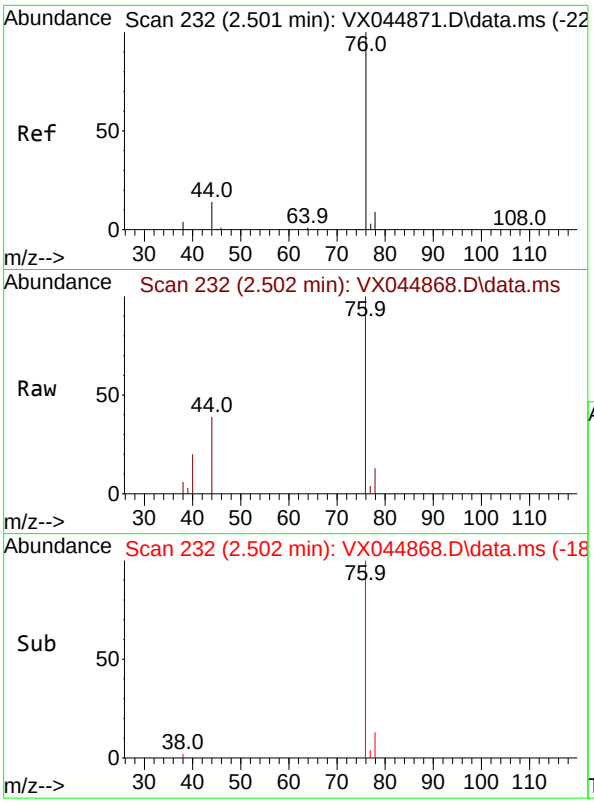


#16
Acetone
Concen: 5.188 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 4095

Ion	Ratio	Lower	Upper
43	100		
58	37.8	26.5	39.7





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

Tgt Ion: 76 Resp: 453

Ion	Ratio	Lower	Upper
76	100		
78	13.1	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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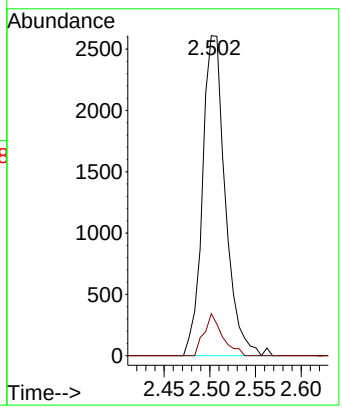
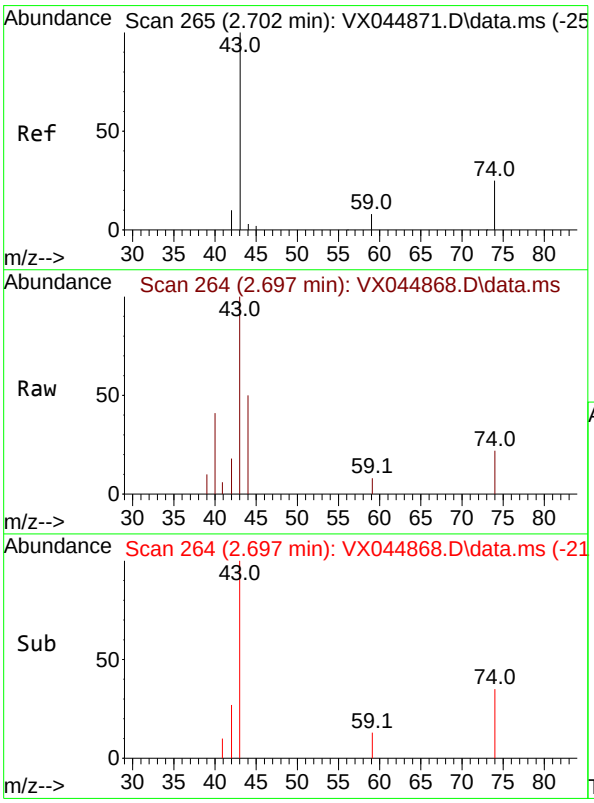
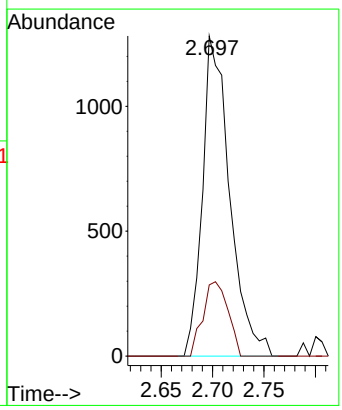


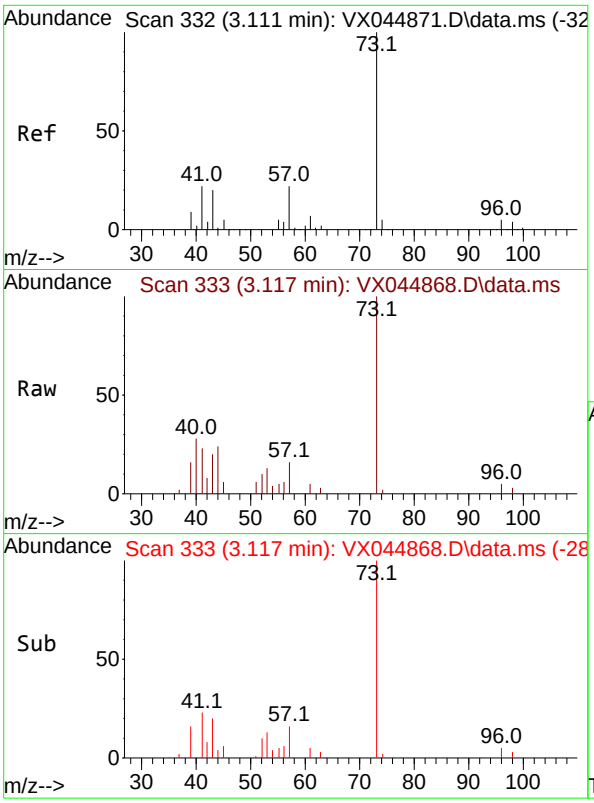


#18
Methyl Acetate
Concen: 0.950 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2367

Ion	Ratio	Lower	Upper
43	100		
74	21.3	18.9	28.3





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

Tgt Ion: 73 Resp: 520

Ion	Ratio	Lower	Upper
73	100		
57	16.4	17.9	26.9#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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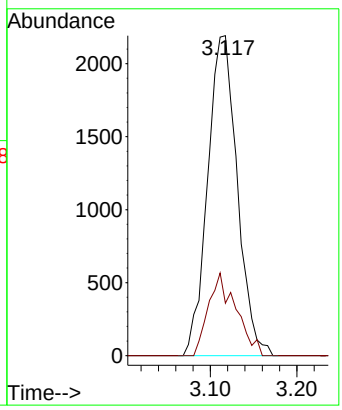
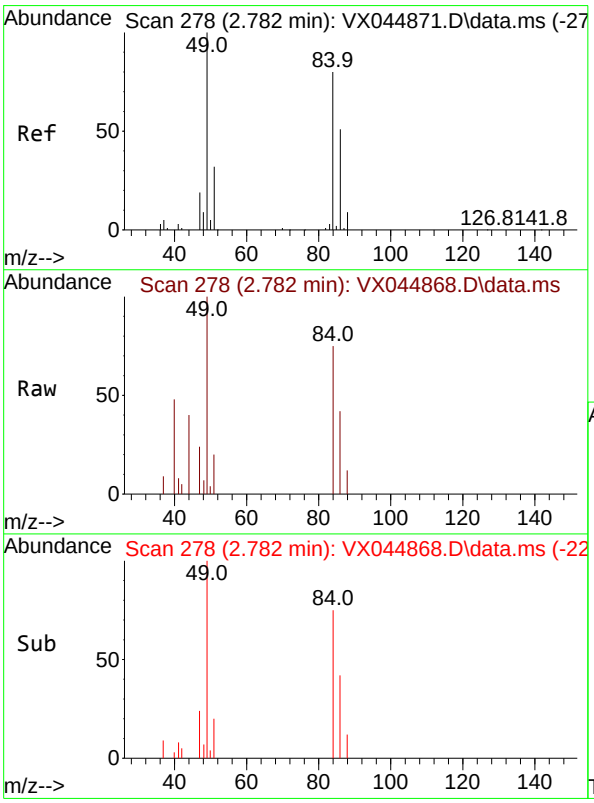
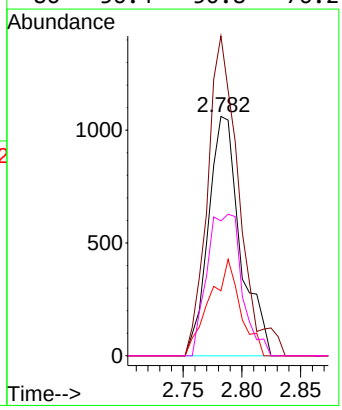


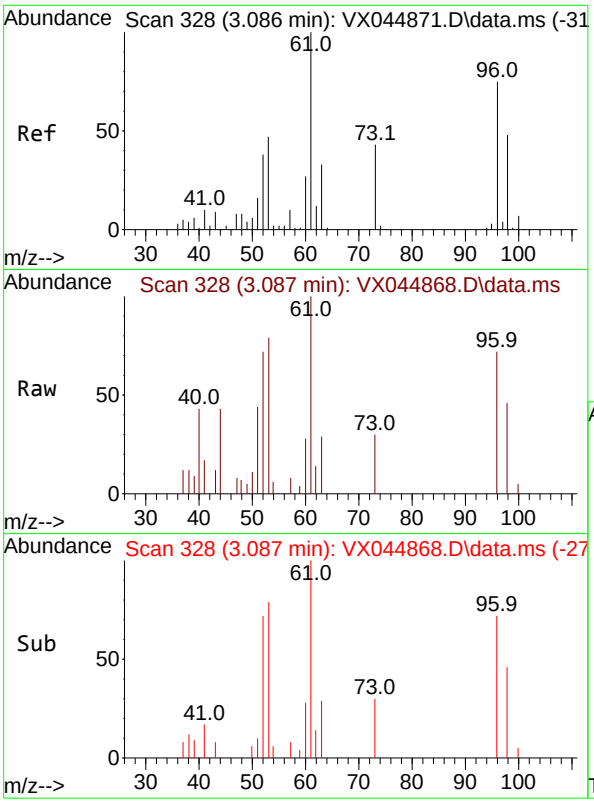


#20
Methylene Chloride
Concen: 1.037 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 84 Resp: 2005

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





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

Tgt Ion: 96 Resp: 163

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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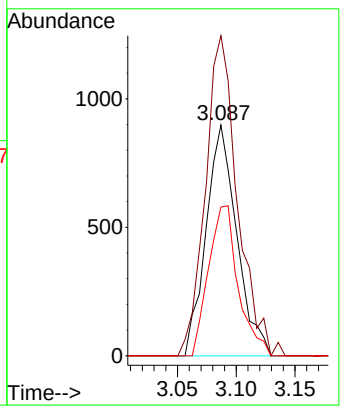
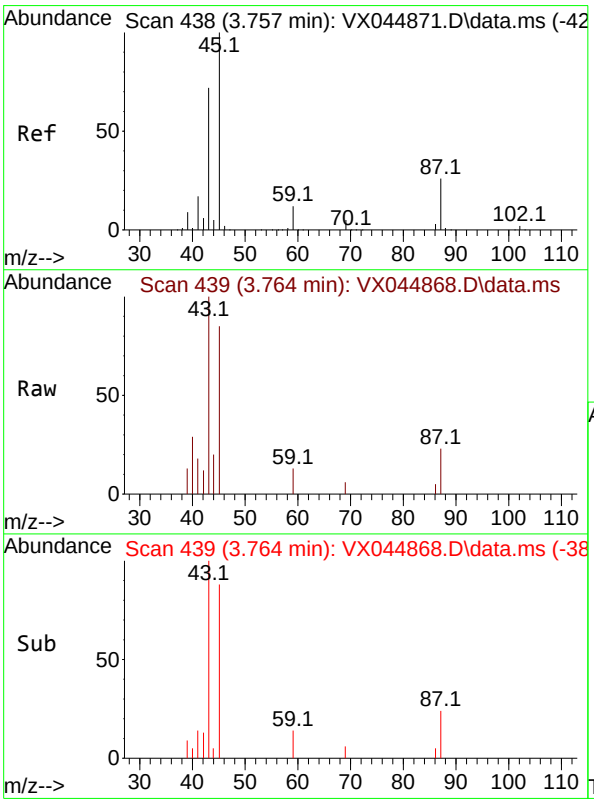
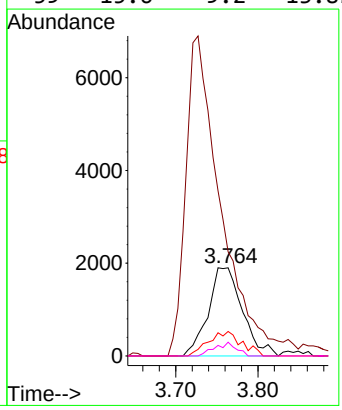


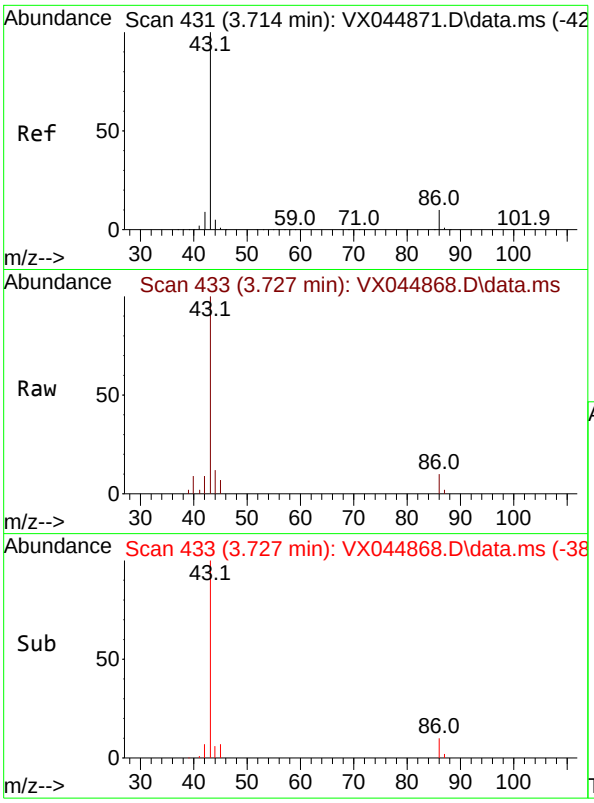


#22
Diisopropyl ether
Concen: 0.930 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 45 Resp: 5496

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





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

Tgt Ion: 43 Resp: 2066

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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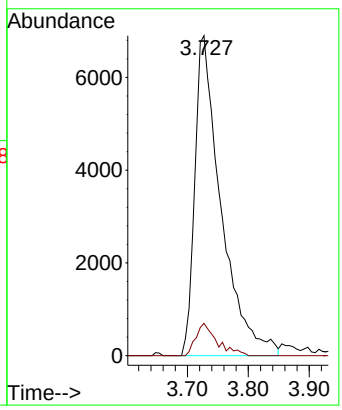
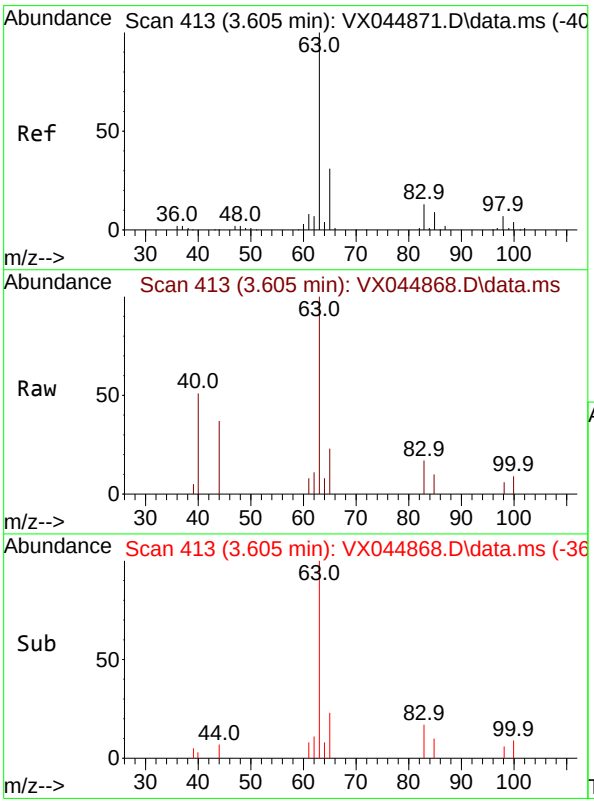
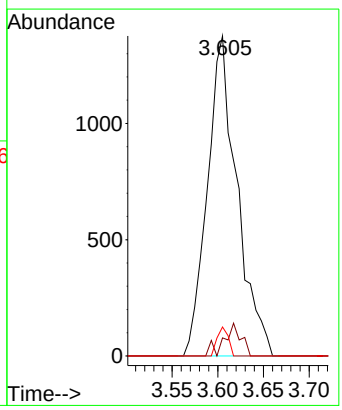


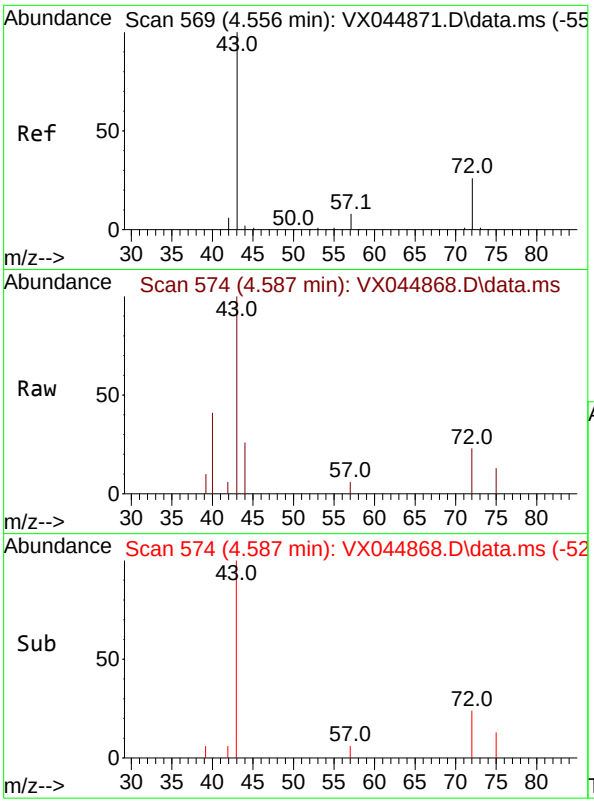


#24
1,1-Dichloroethane
Concen: 0.937 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 63 Resp: 3099

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





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

Tgt Ion: 43 Resp: 566

Ion	Ratio	Lower	Upper
43	100		
72	23.0	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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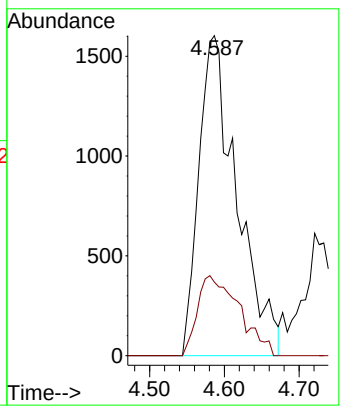
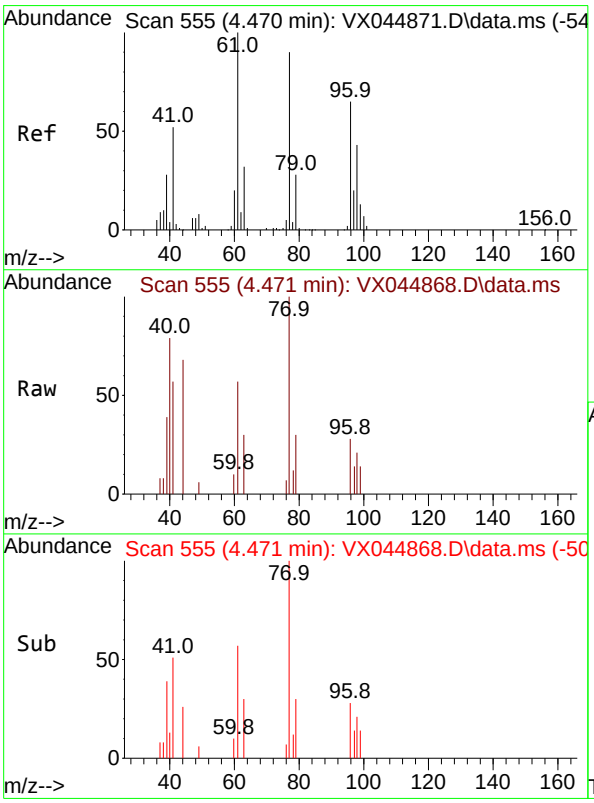
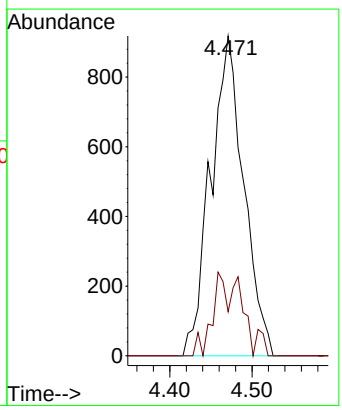


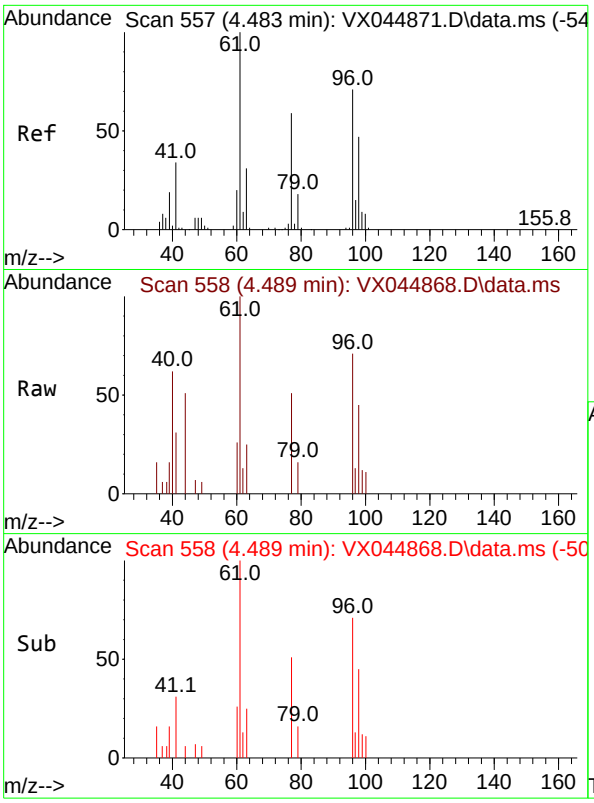


#26
2,2-Dichloropropane
Concen: 0.978 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 77 Resp: 2566

Ion	Ratio	Lower	Upper
77	100		
97	11.8	11.8	35.3





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

Tgt Ion: 96 Resp: 182

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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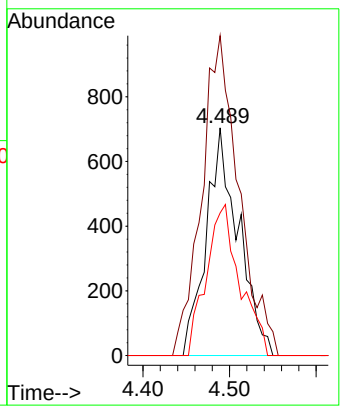
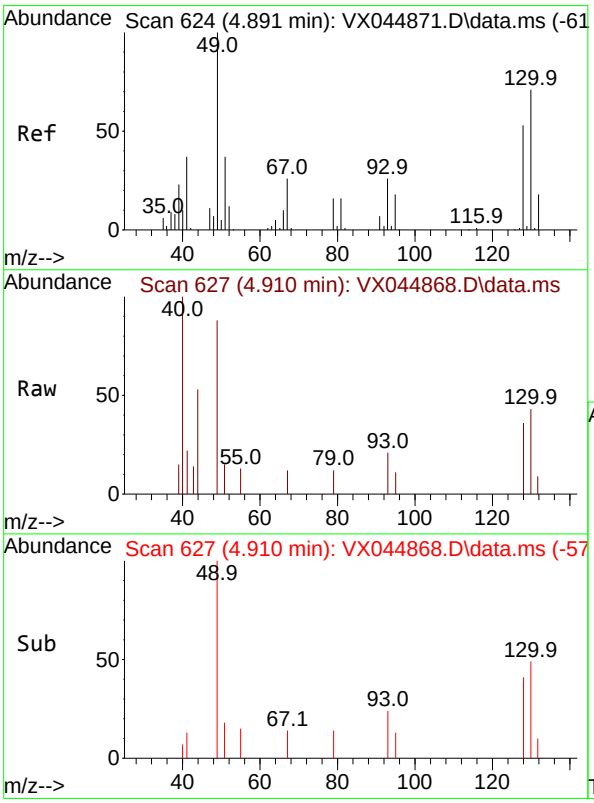
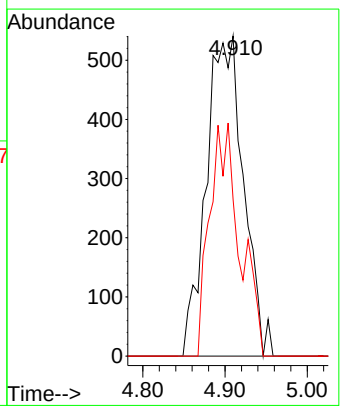


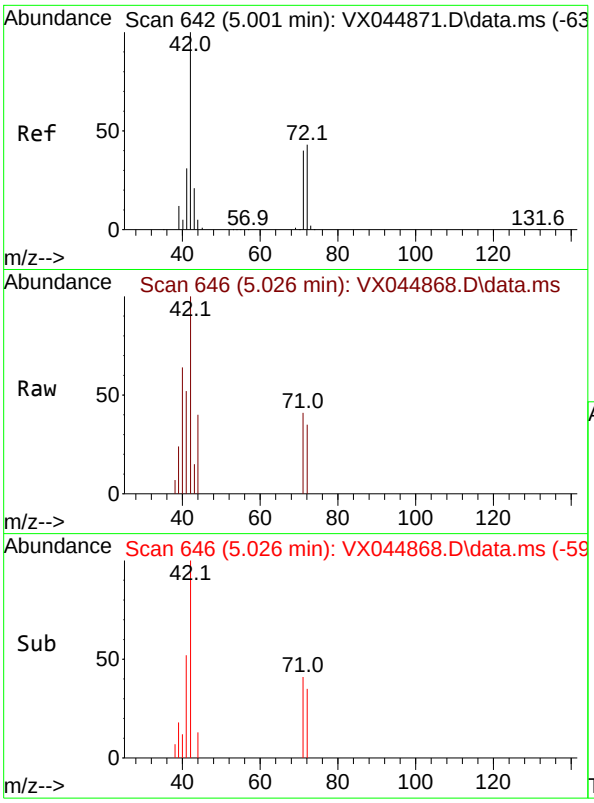


#28
Bromochloromethane
Concen: 1.071 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 49 Resp: 1702

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





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

Tgt Ion: 42 Resp: 401

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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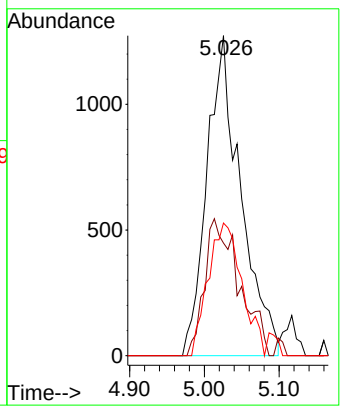
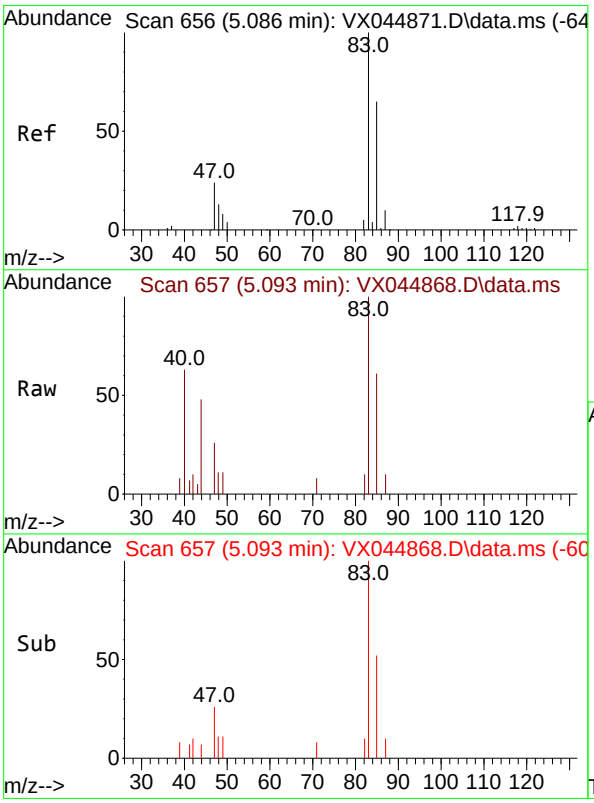
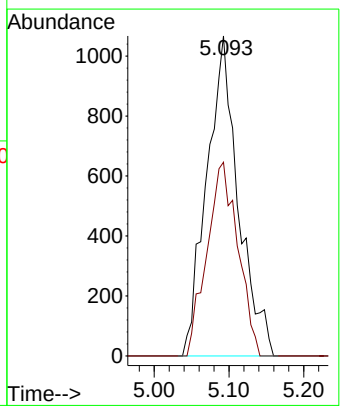


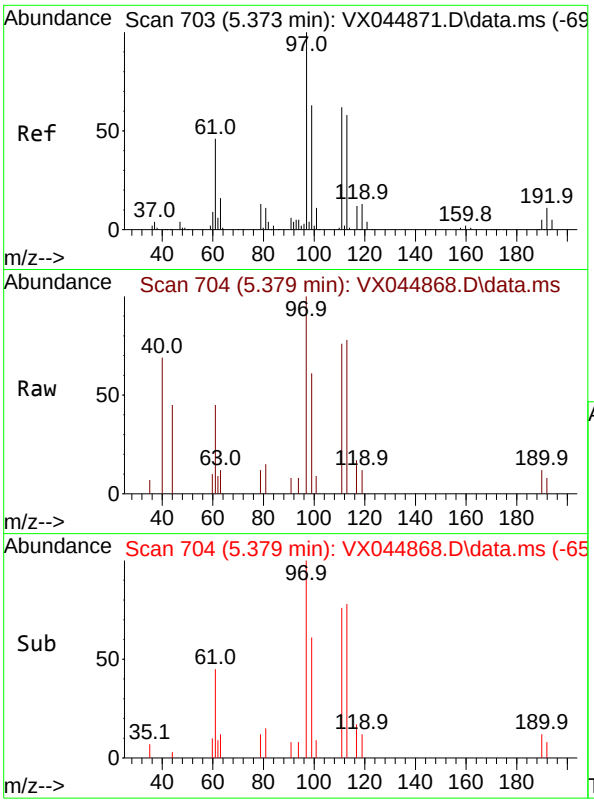


#30
Chloroform
Concen: 0.976 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 83 Resp: 3132

Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.1	78.1





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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 272

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

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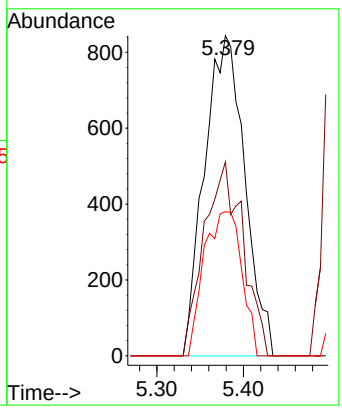
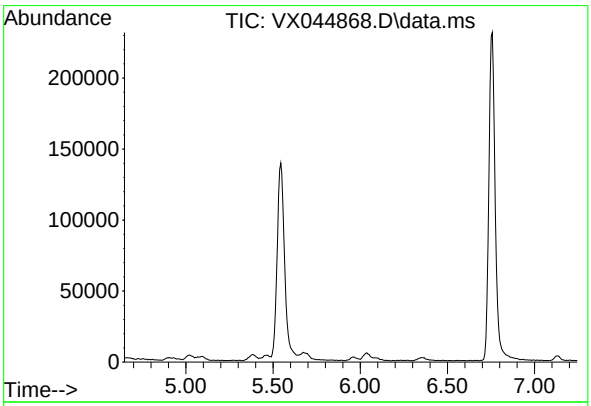


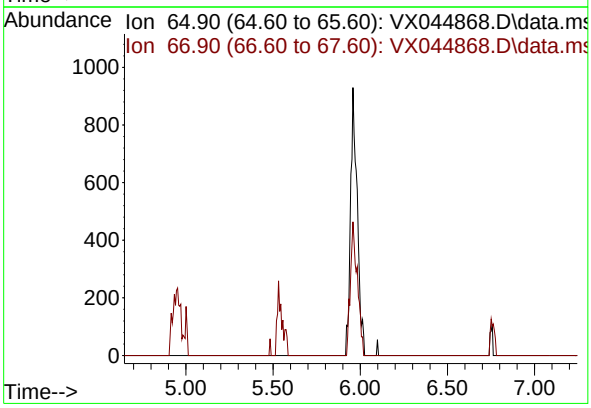


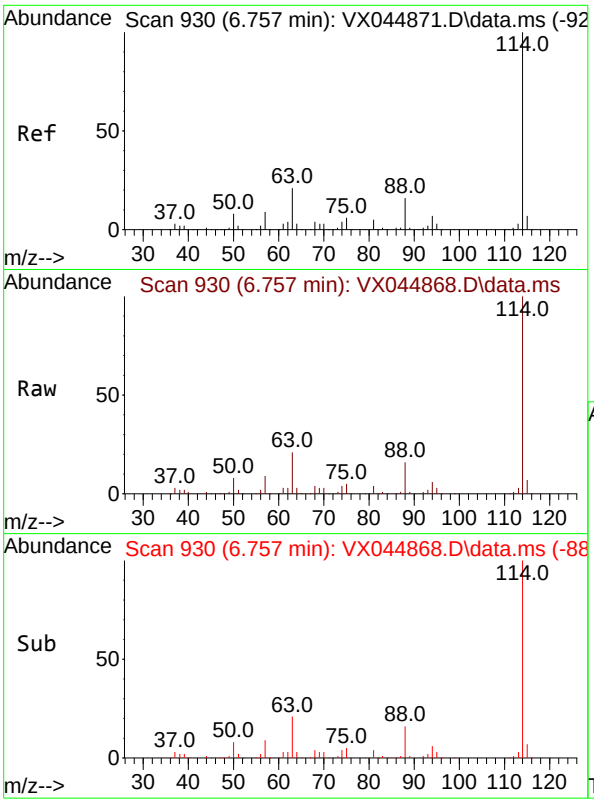
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

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

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	54.1





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

Tgt Ion:114 Resp: 254149

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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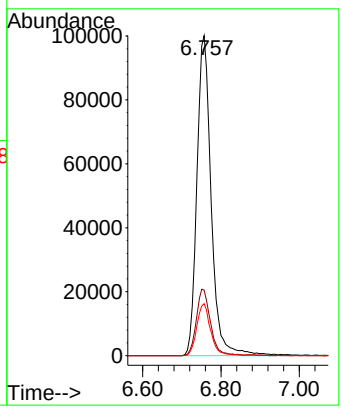
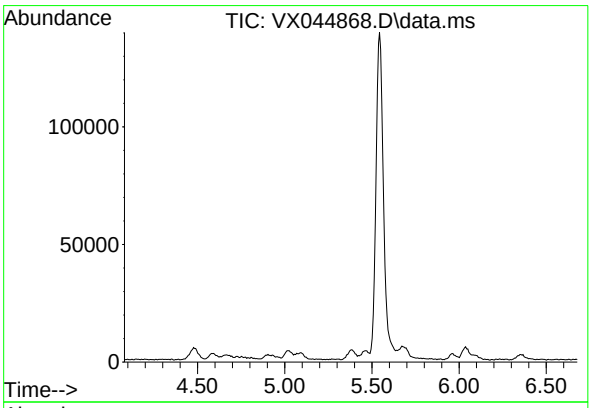


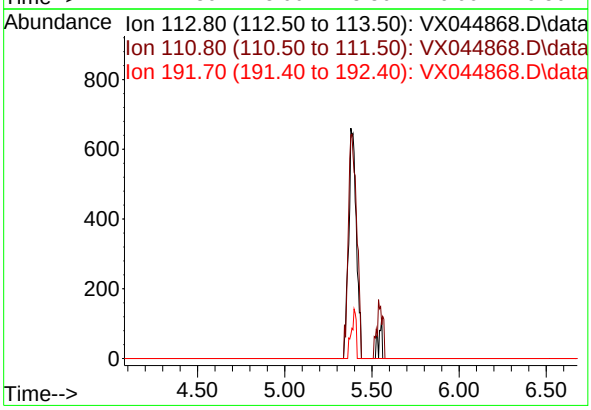


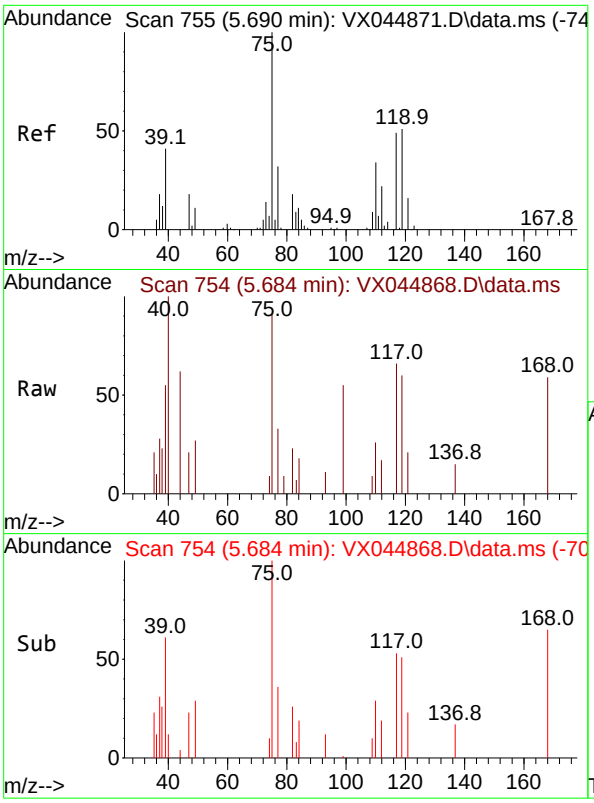
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

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

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	104.4
192	18.0





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

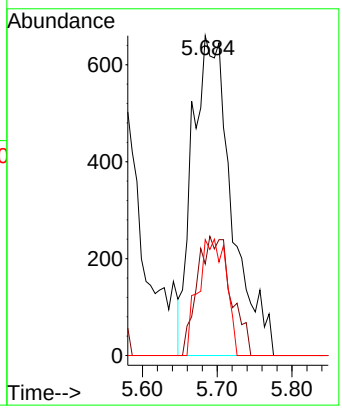
Tgt Ion: 75 Resp: 239

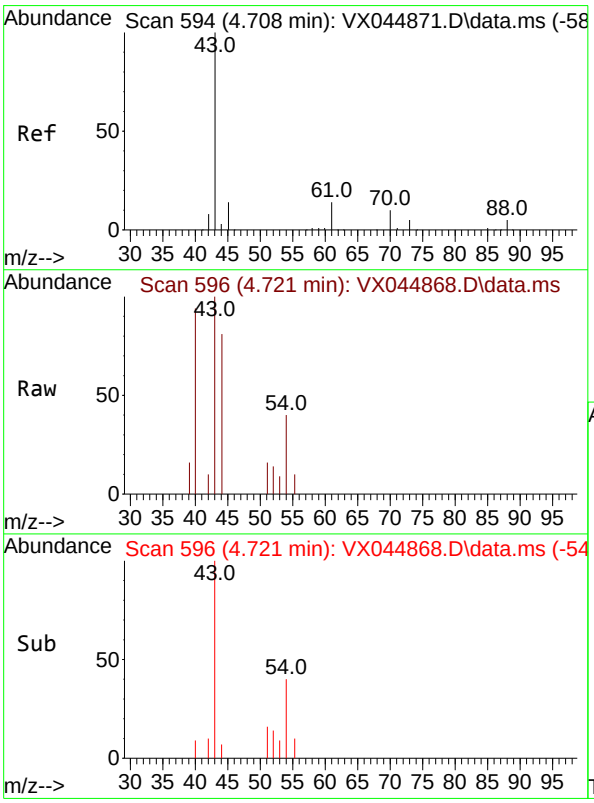
Ion	Ratio	Lower	Upper
75	100		
110	32.1	17.2	51.6
77	26.3	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

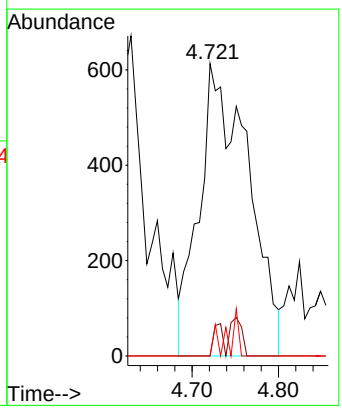


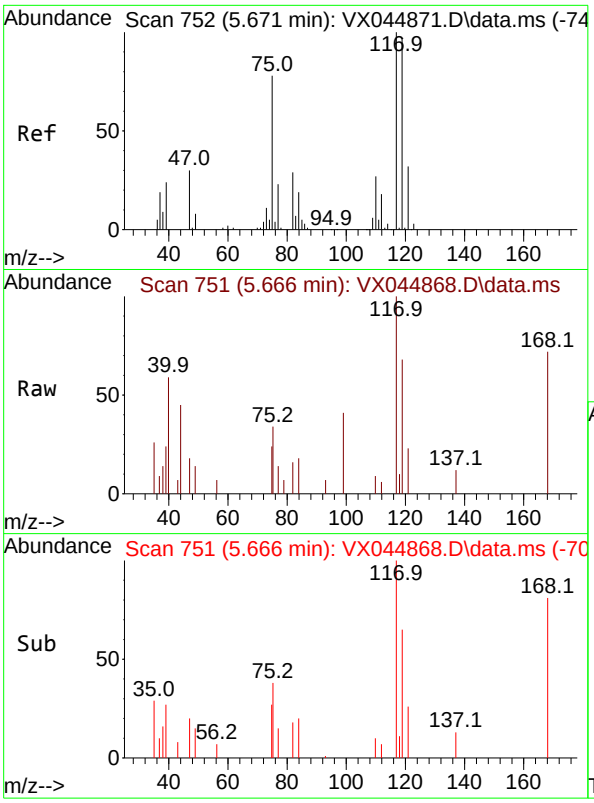


#37
Ethyl Acetate
Concen: 0.915 ug/l m
RT: 4.721 min Scan# 596
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2426

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





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

Tgt Ion:117 Resp: 232

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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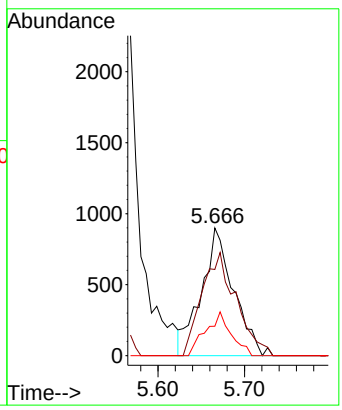
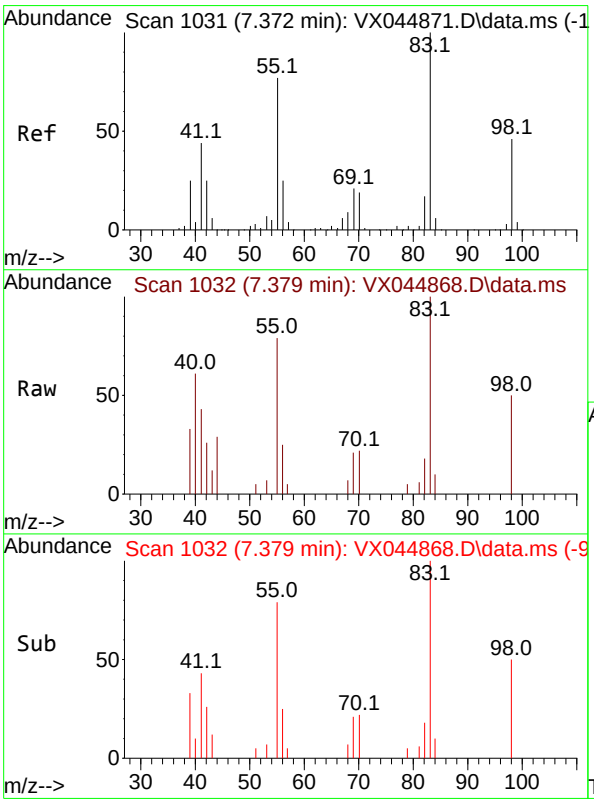
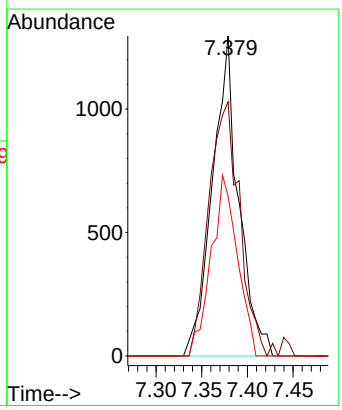


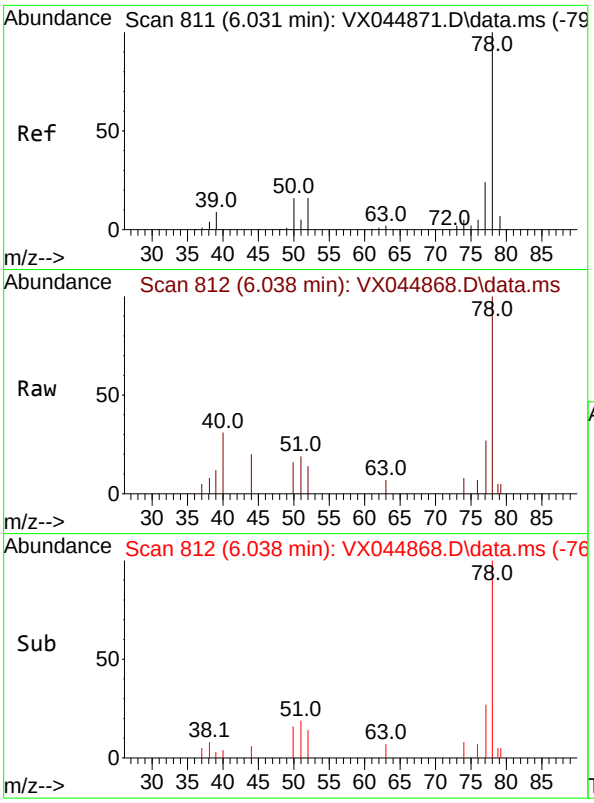


#39
Methylcyclohexane
Concen: 0.840 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 83 Resp: 2589

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





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

Tgt Ion: 78 Resp: 696

Ion	Ratio	Lower	Upper
78	100		
77	26.8	19.0	28.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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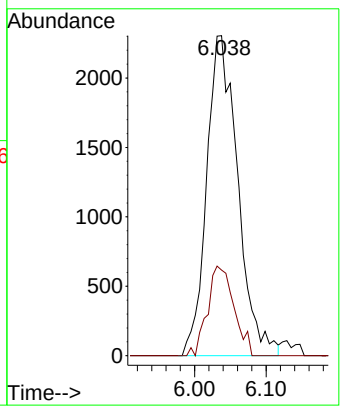
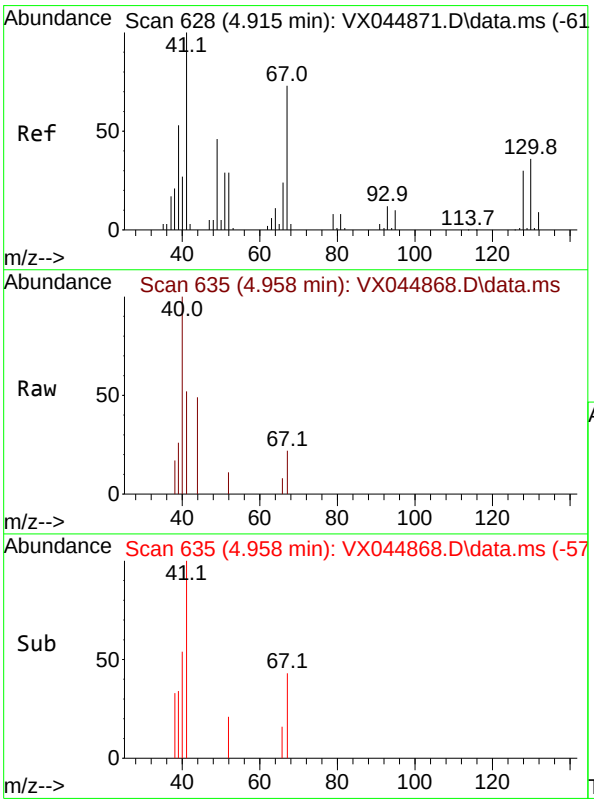
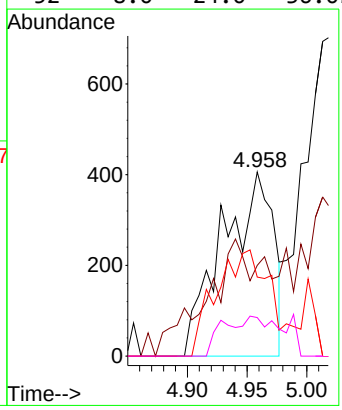


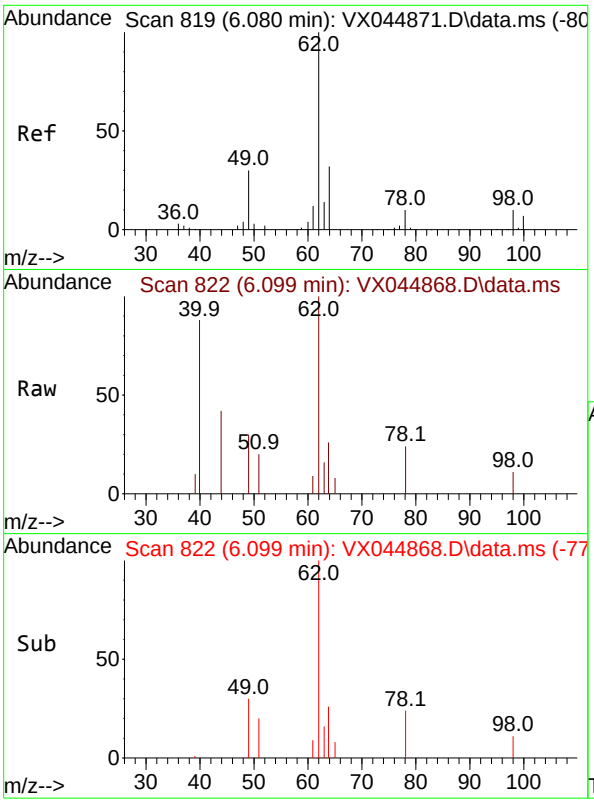


#41
Methacrylonitrile
Concen: 0.849 ug/l m
RT: 4.958 min Scan# 635
Delta R.T. 0.043 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 1205

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





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

Tgt Ion: 62 Resp: 212

Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	19.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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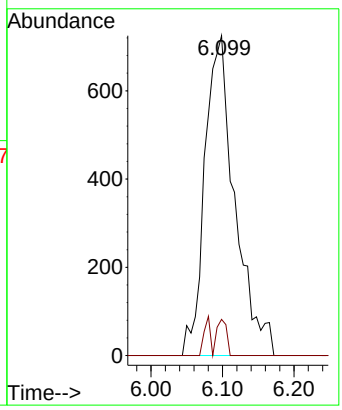
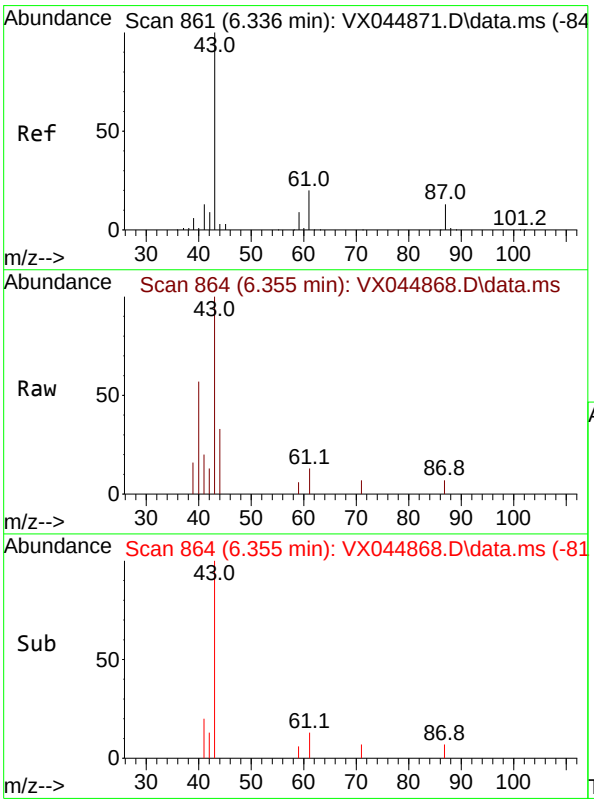
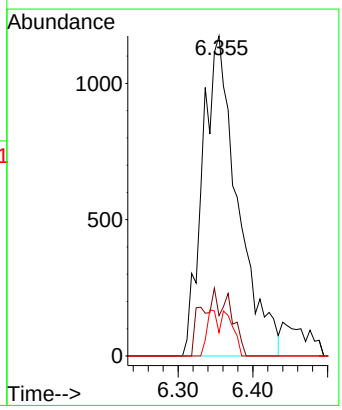


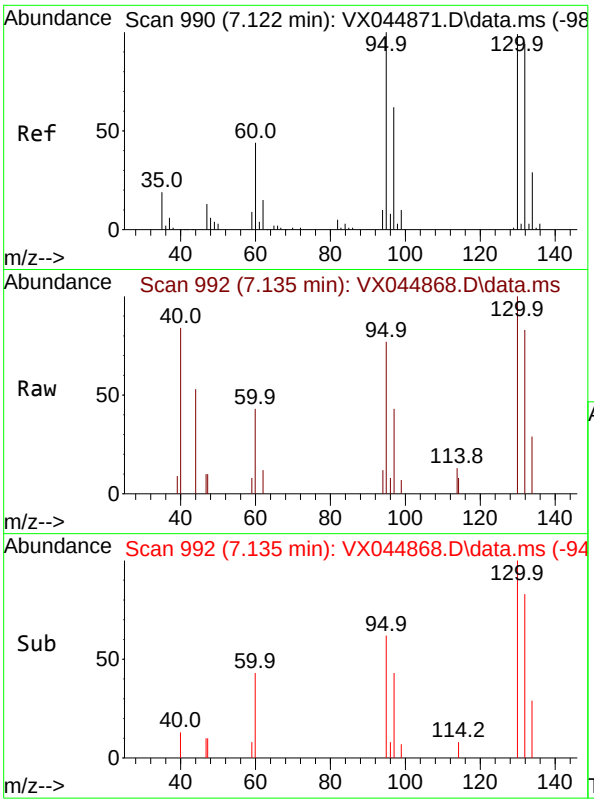


#43
Isopropyl Acetate
Concen: 0.897 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 3839

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





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

Tgt Ion:130 Resp: 148

Ion	Ratio	Lower	Upper
130	100		
95	76.6	0.0	202.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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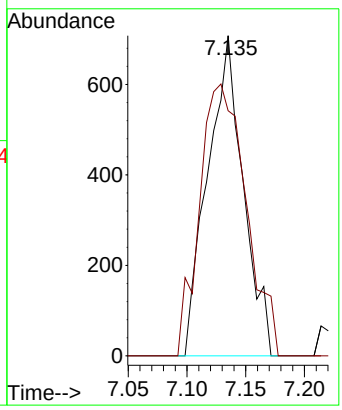
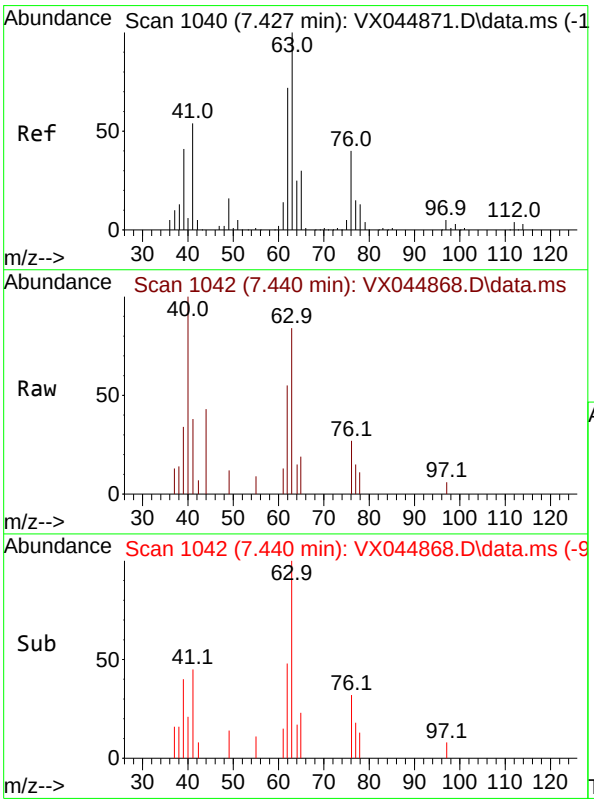
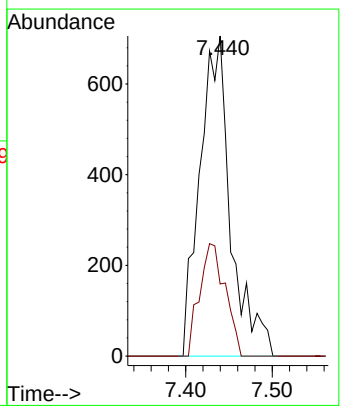


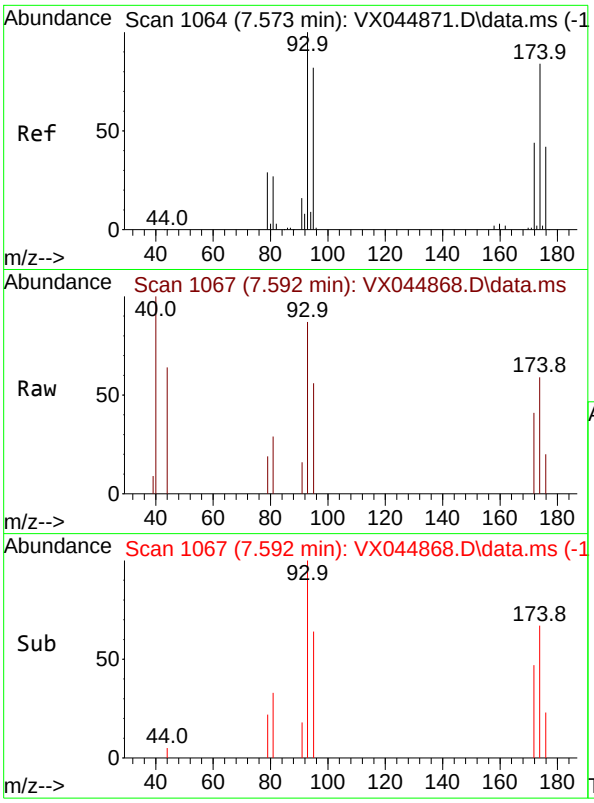


#45
1,2-Dichloropropane
Concen: 0.943 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 63 Resp: 1746

Ion	Ratio	Lower	Upper
63	100		
65	22.5	24.2	36.4#





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

Tgt Ion: 93 Resp: 120

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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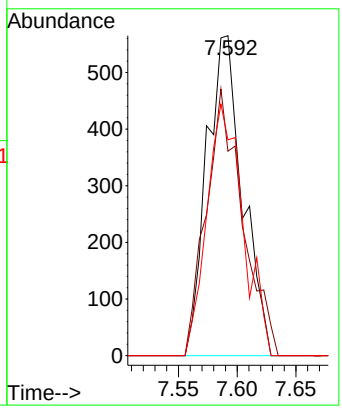
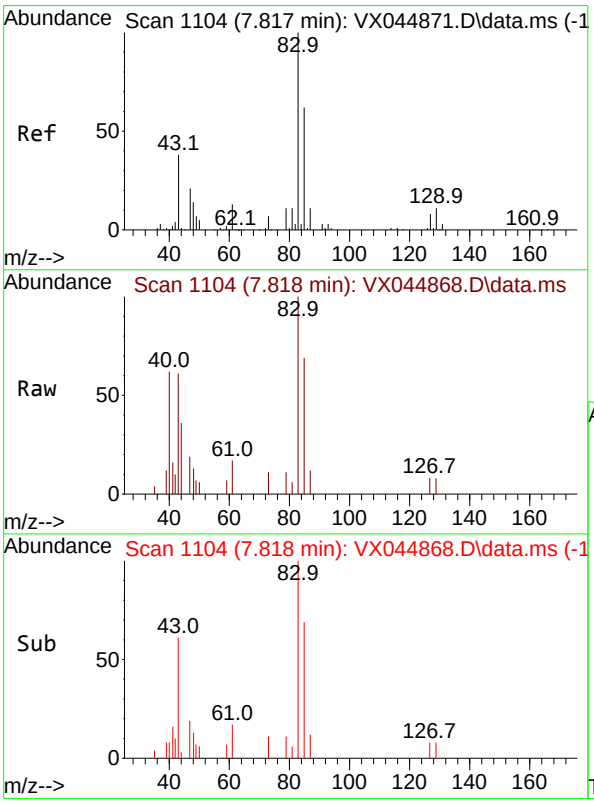
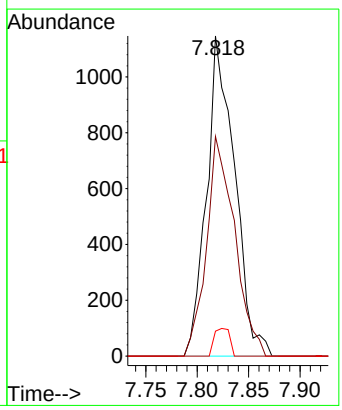


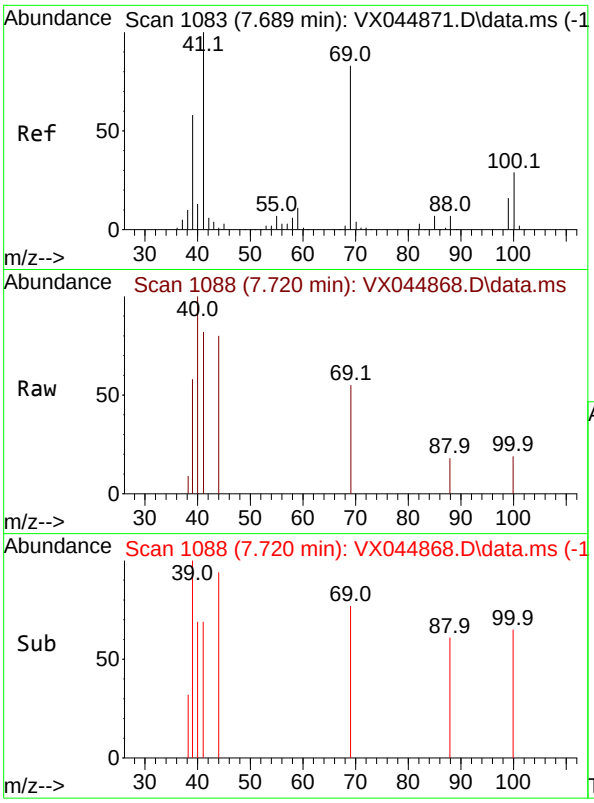


#47
Bromodichloromethane
Concen: 0.875 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 83 Resp: 2176

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





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

Tgt Ion: 41 Resp: 167

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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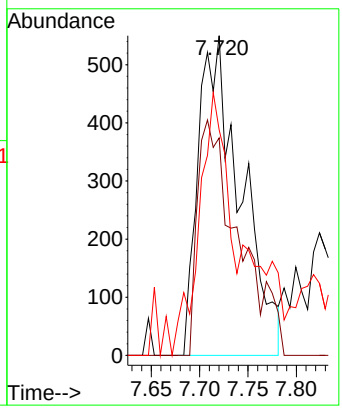
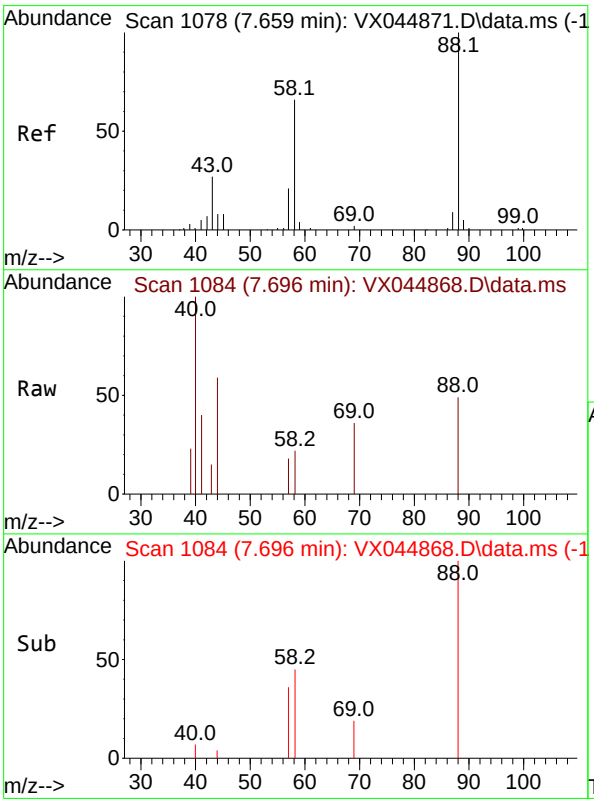
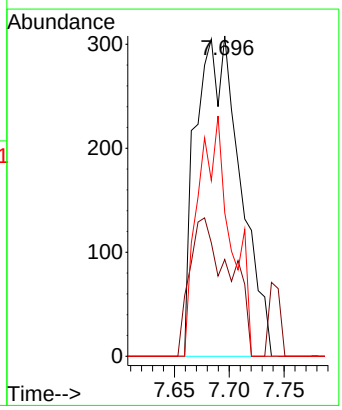


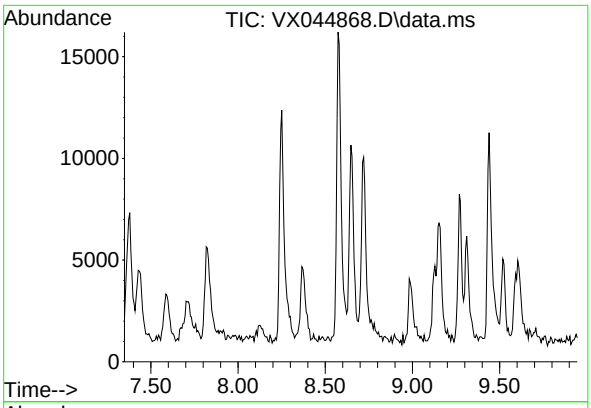


#49
1,4-Dioxane
Concen: 20.015 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.037 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 88 Resp: 867

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





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

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

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	65.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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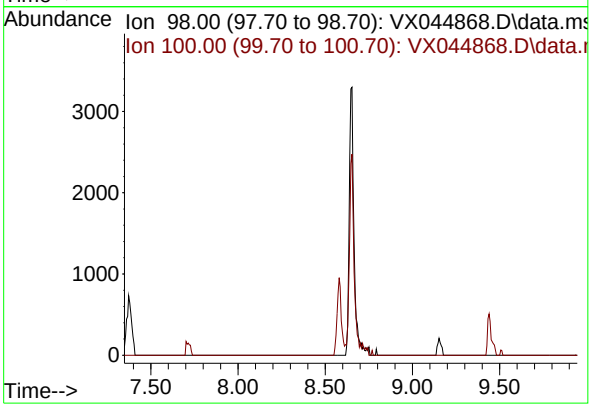
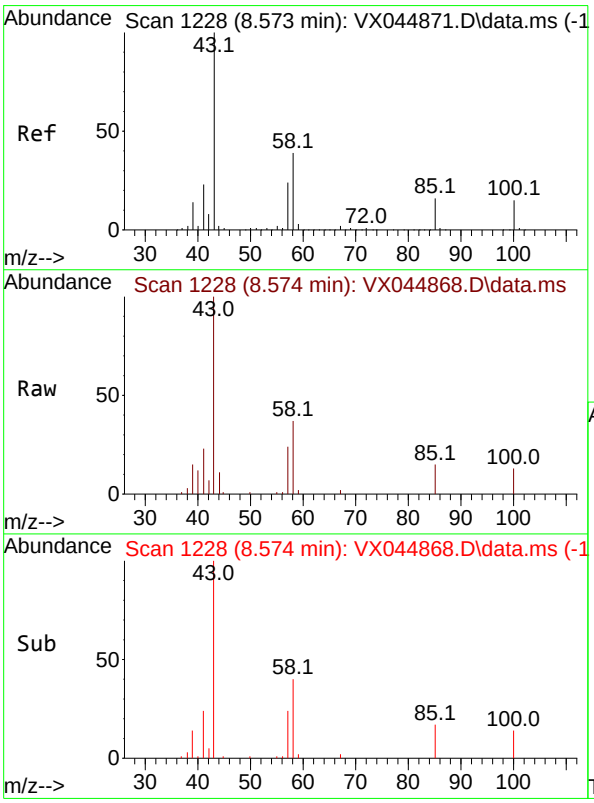
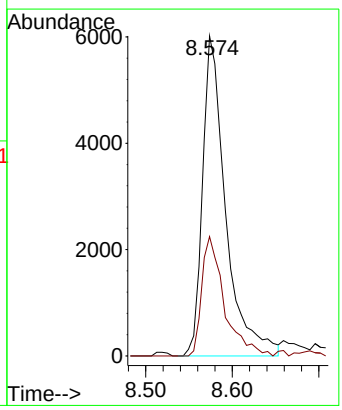


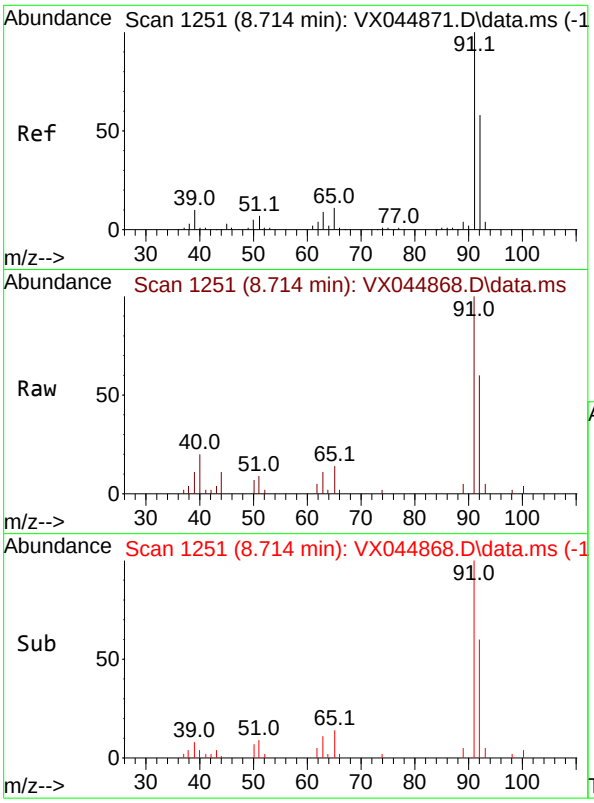


#51
4-Methyl-2-Pentanone
Concen: 4.290 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 11169

Ion	Ratio	Lower	Upper
43	100		
58	36.3	30.8	46.2





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

Tgt Ion: 92 Resp: 394

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.4	206.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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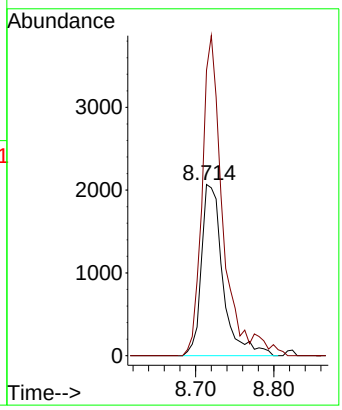
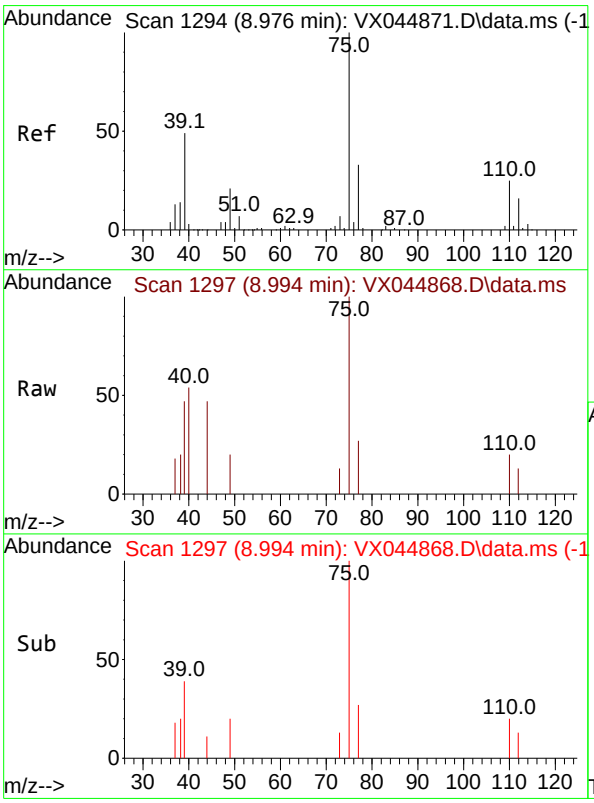
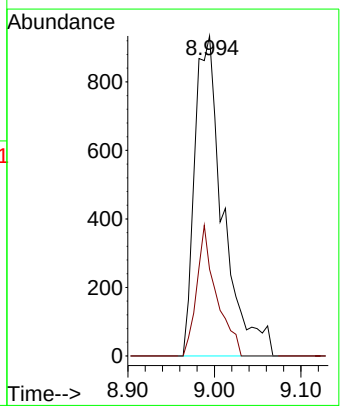


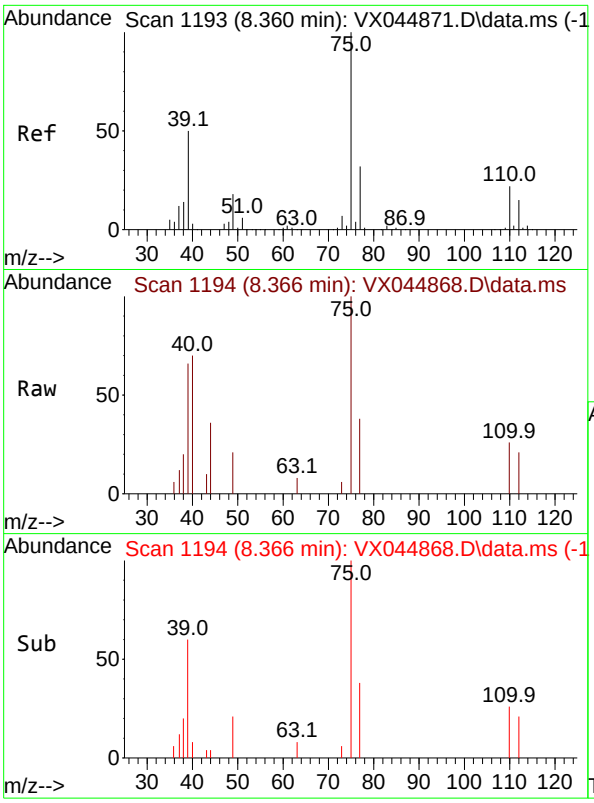


#53
t-1,3-Dichloropropene
Concen: 0.842 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2119

Ion	Ratio	Lower	Upper
75	100		
77	27.1	26.0	39.0





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

Tgt Ion: 75 Resp: 230

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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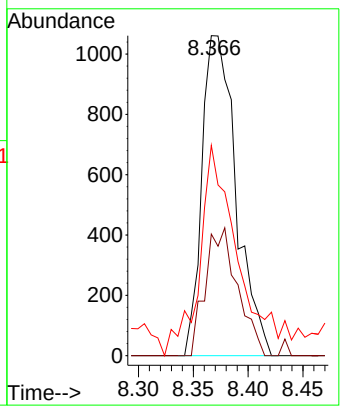
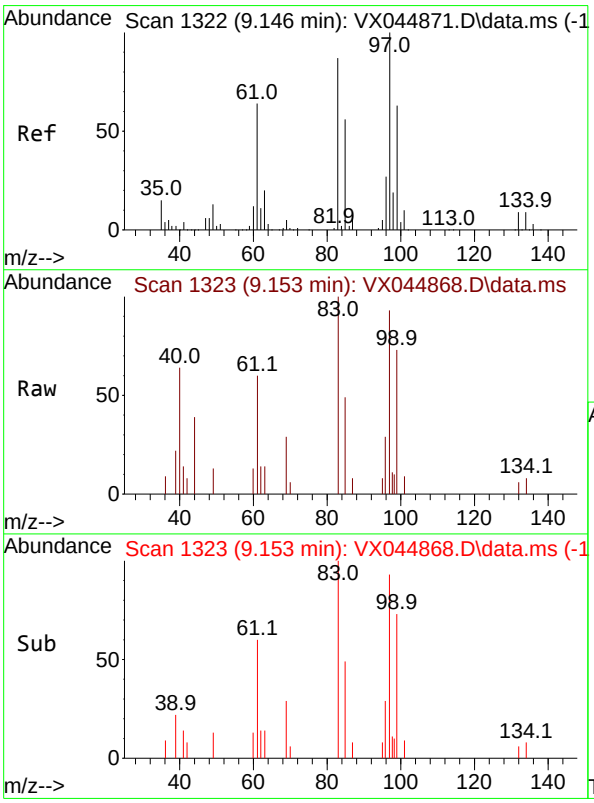
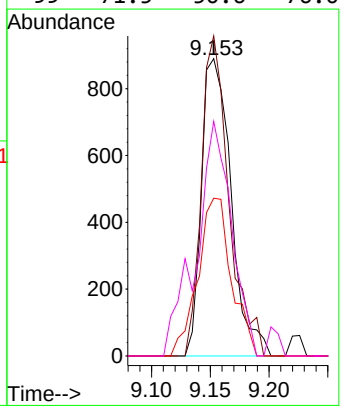


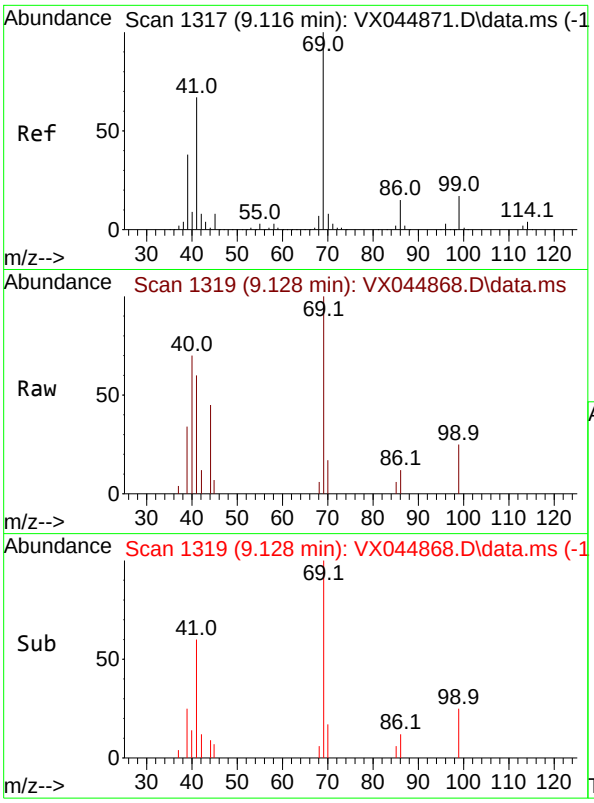


#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 97 Resp: 1558

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





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

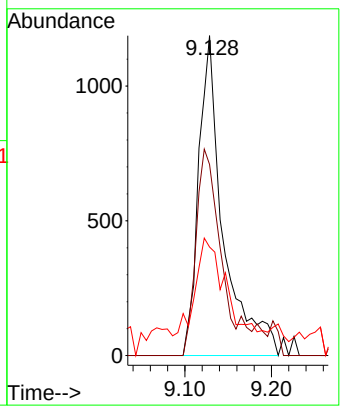
Tgt Ion: 69 Resp: 234

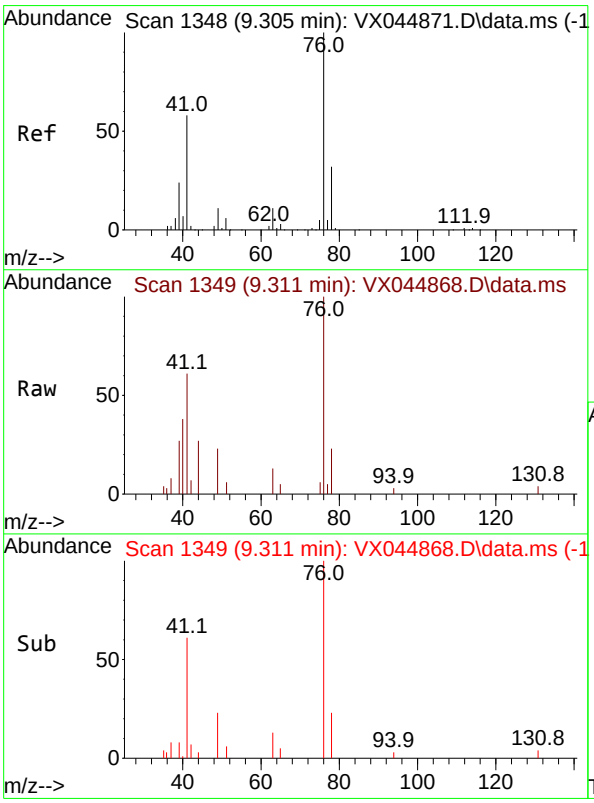
Ion	Ratio	Lower	Upper
69	100		
41	61.6	55.2	82.8
39	56.2	30.8	46.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

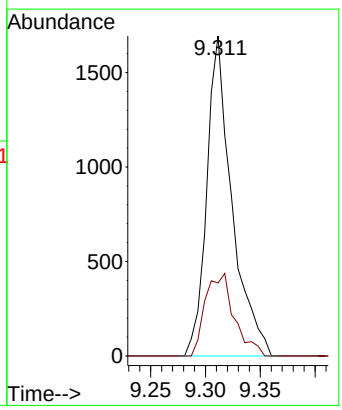


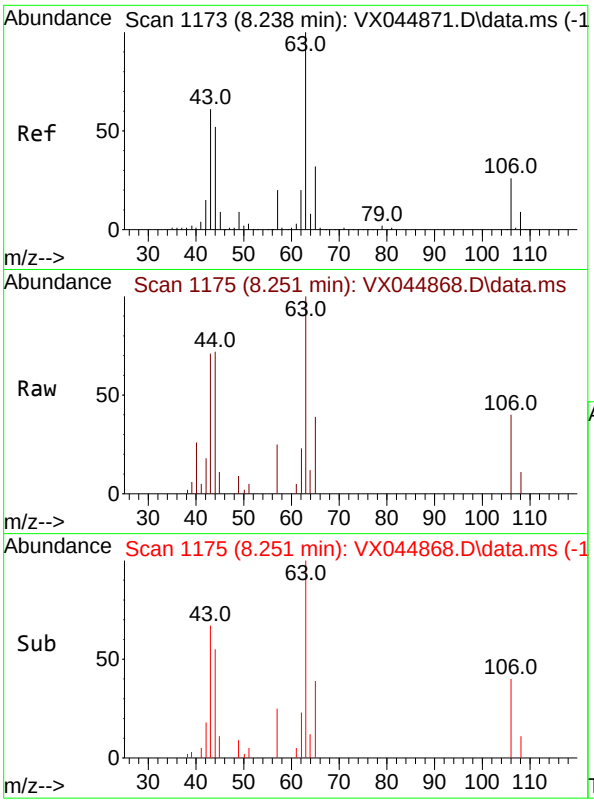


#57
1,3-Dichloropropane
Concen: 0.905 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 76 Resp: 2699

Ion	Ratio	Lower	Upper
76	100		
78	29.6	25.8	38.8





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

Tgt Ion: 63 Resp: 540

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.3	31.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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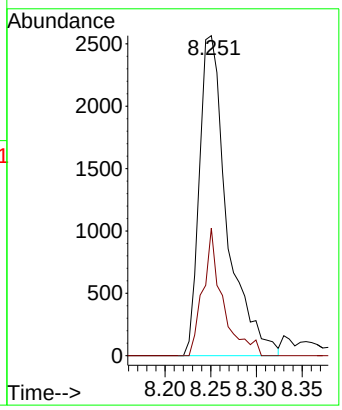
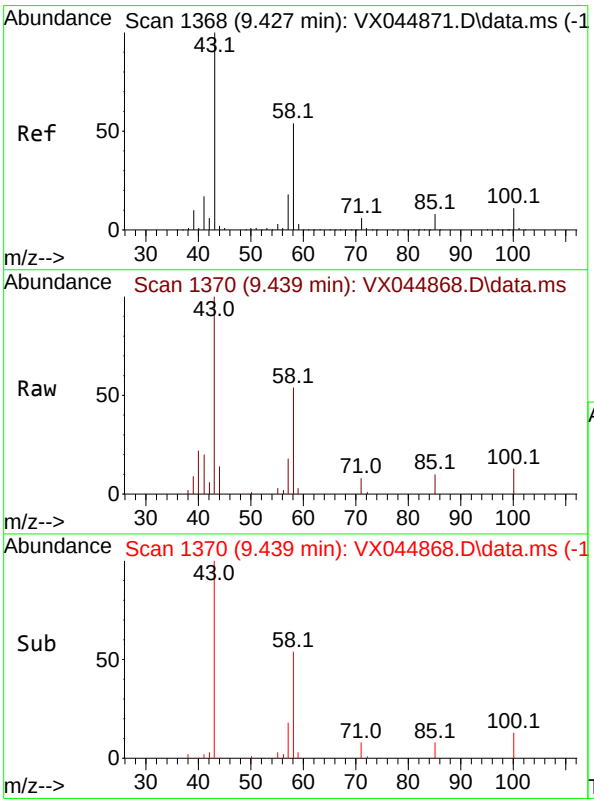
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

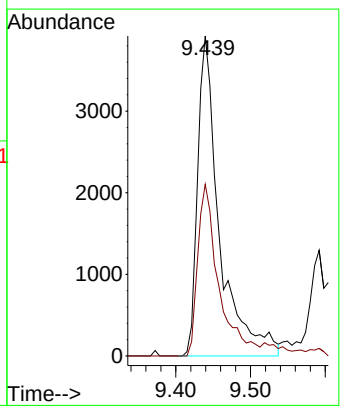


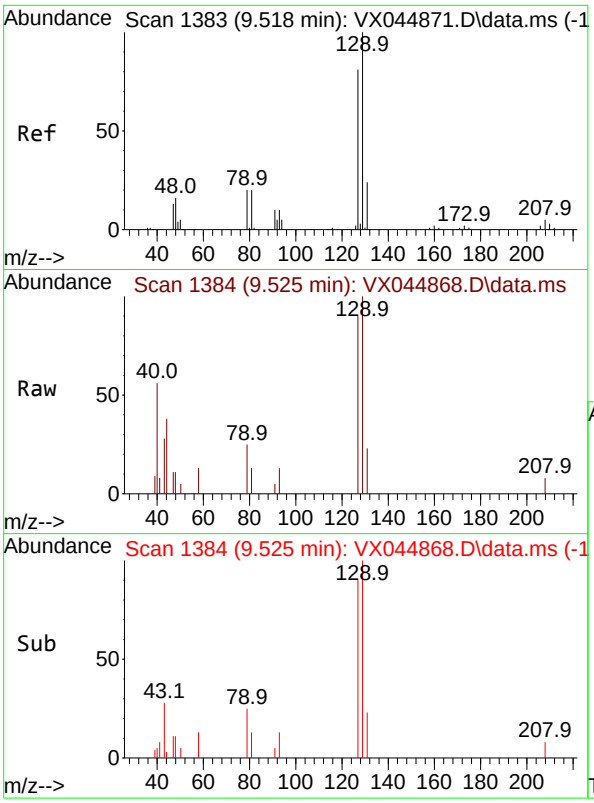


#59
2-Hexanone
Concen: 4.240 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 7952

Ion	Ratio	Lower	Upper
43	100		
58	51.3	27.5	82.4





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

Tgt Ion:129 Resp: 161

Ion	Ratio	Lower	Upper
129	100		
127	81.3	39.1	117.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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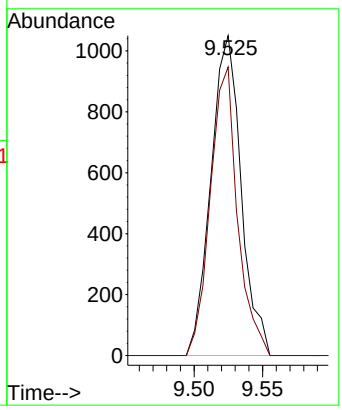
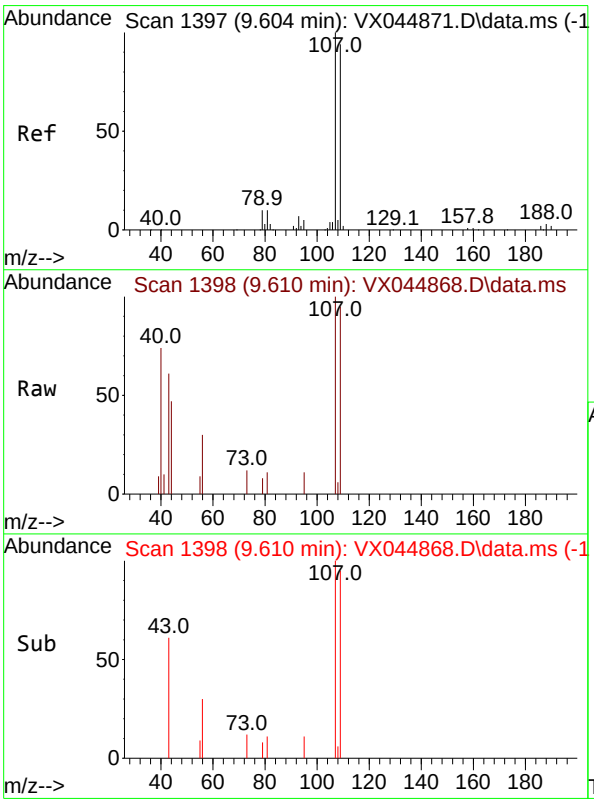
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

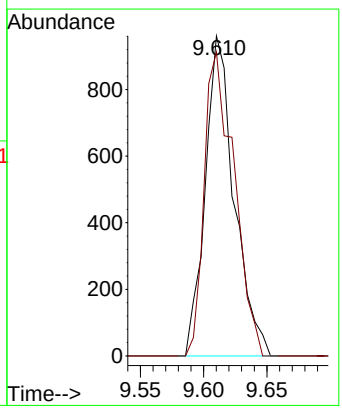


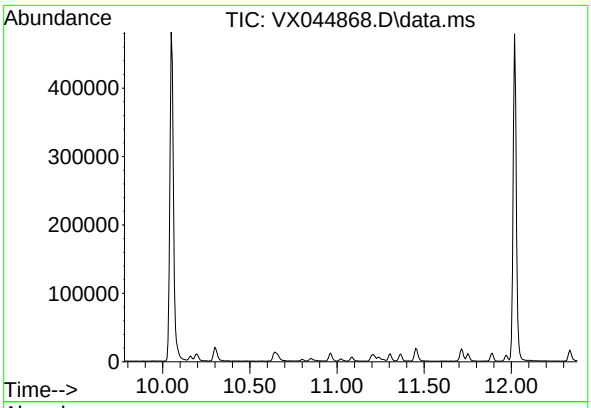


#61
1,2-Dibromoethane
Concen: 0.888 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:107 Resp: 1534

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.9	113.9





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

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

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	71.3
176	70.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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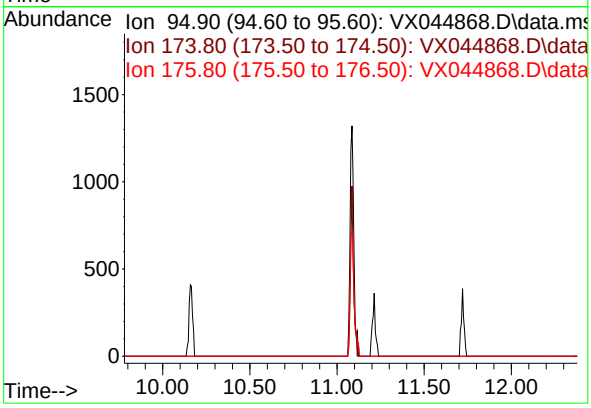
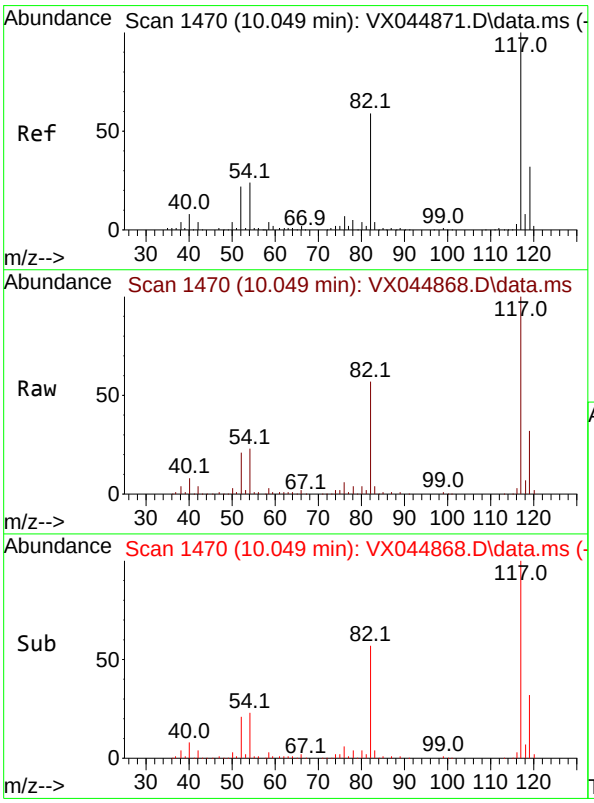
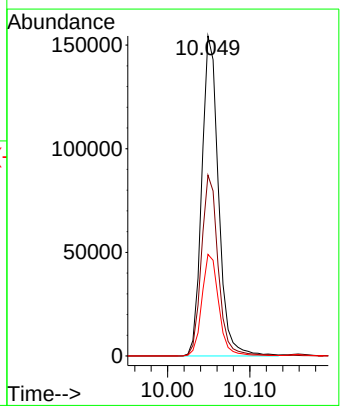


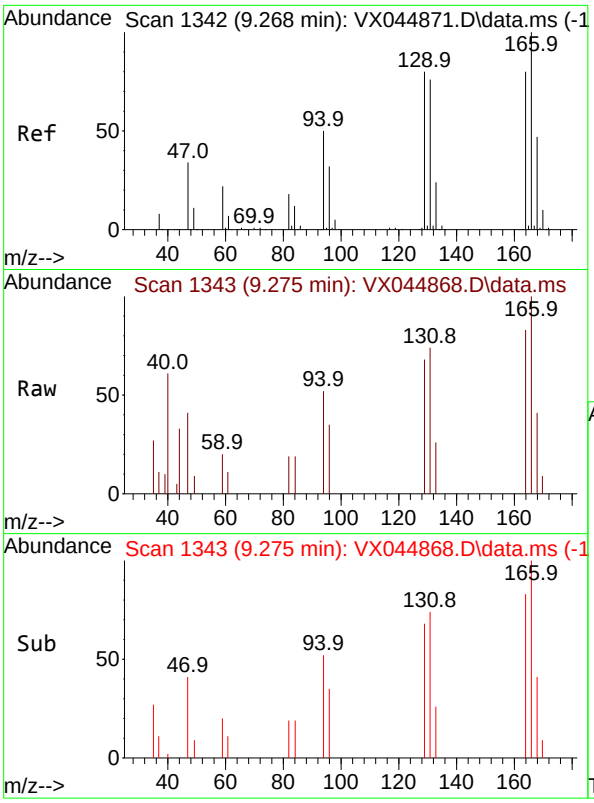


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:117 Resp: 218570

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

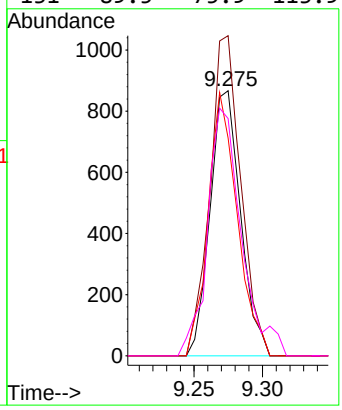




#64
Tetrachloroethene
Concen: 0.971 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:164 Resp: 133

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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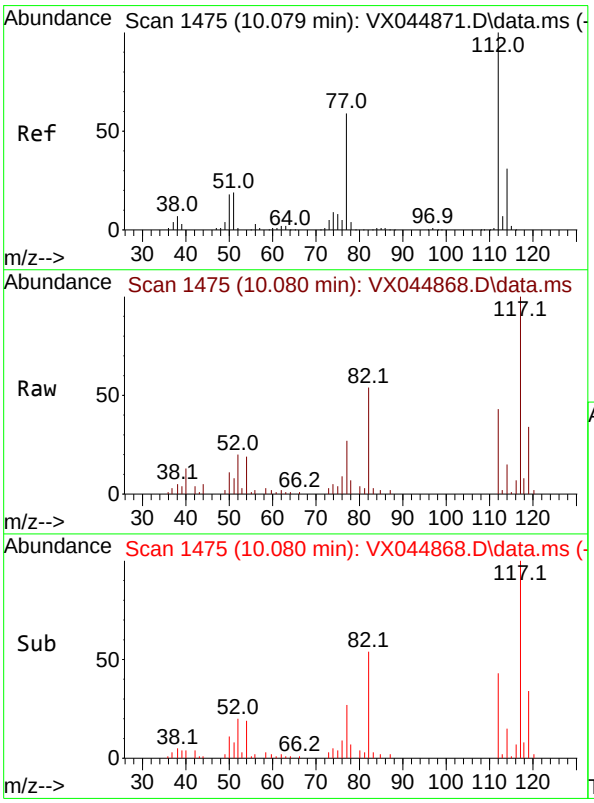
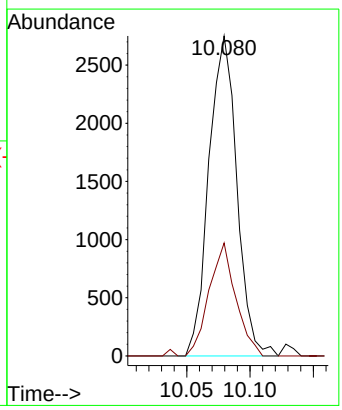
Supervised By :Mahesh Dadoda 02/11/2025

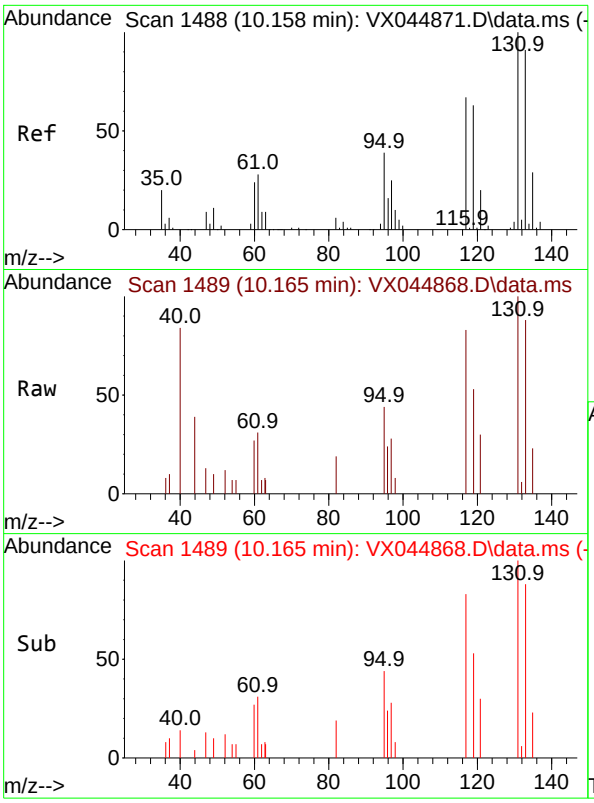


#65
Chlorobenzene
Concen: 0.902 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:112 Resp: 4234

Ion	Ratio	Lower	Upper
112	100		
114	35.3	25.0	37.6





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

Tgt Ion:131 Resp: 132(

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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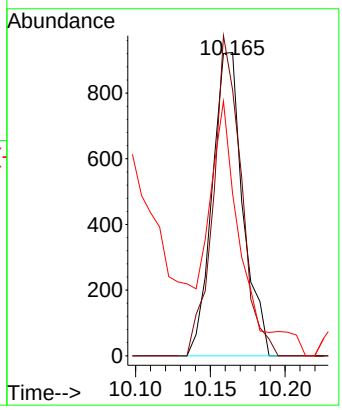
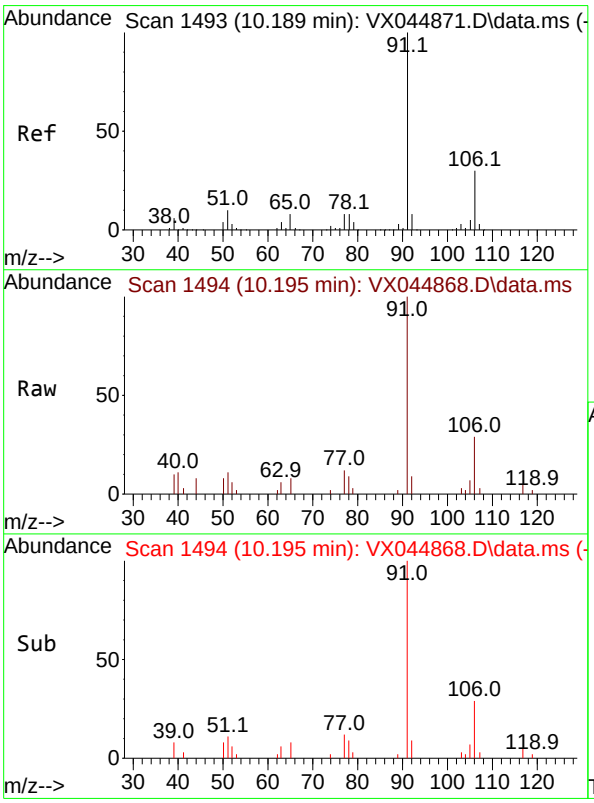
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

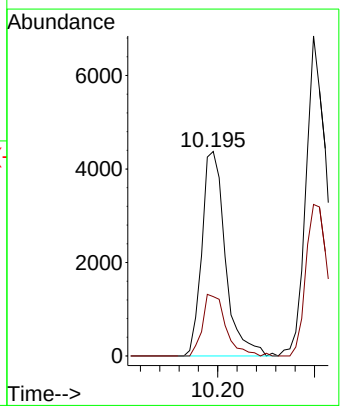


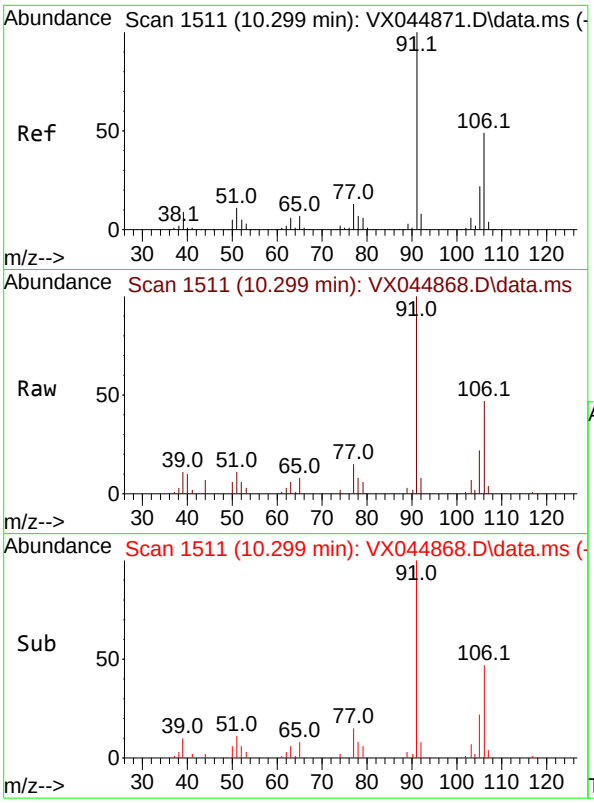


#67
Ethyl Benzene
Concen: 0.892 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 7388

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.9	35.9





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

Tgt Ion:106 Resp: 538

Ion	Ratio	Lower	Upper
106	100		
91	204.7	164.3	246.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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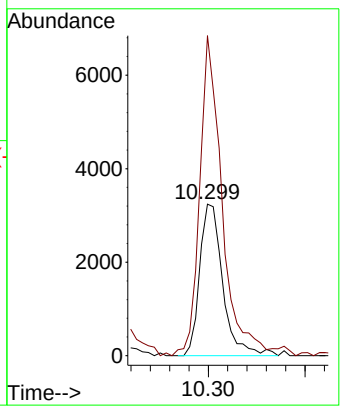
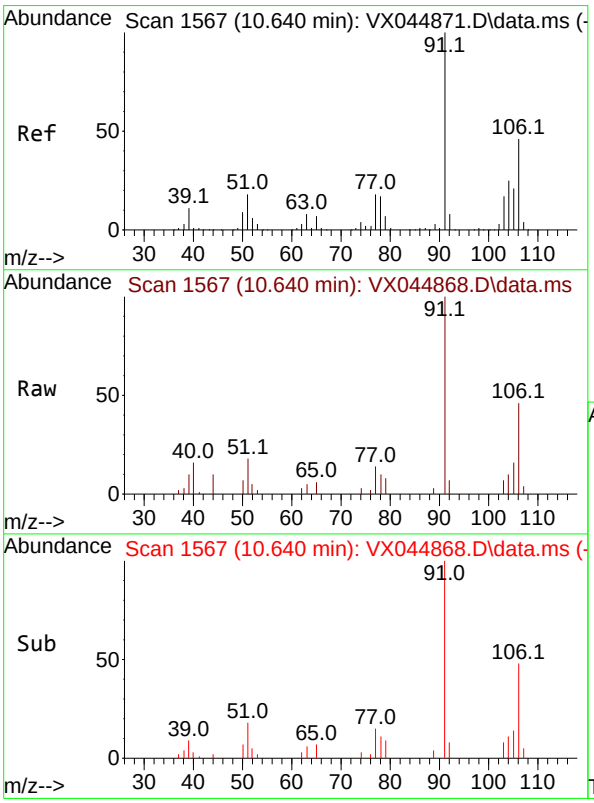
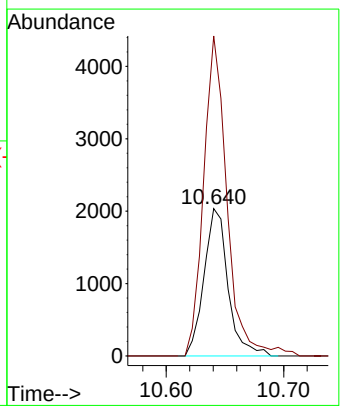


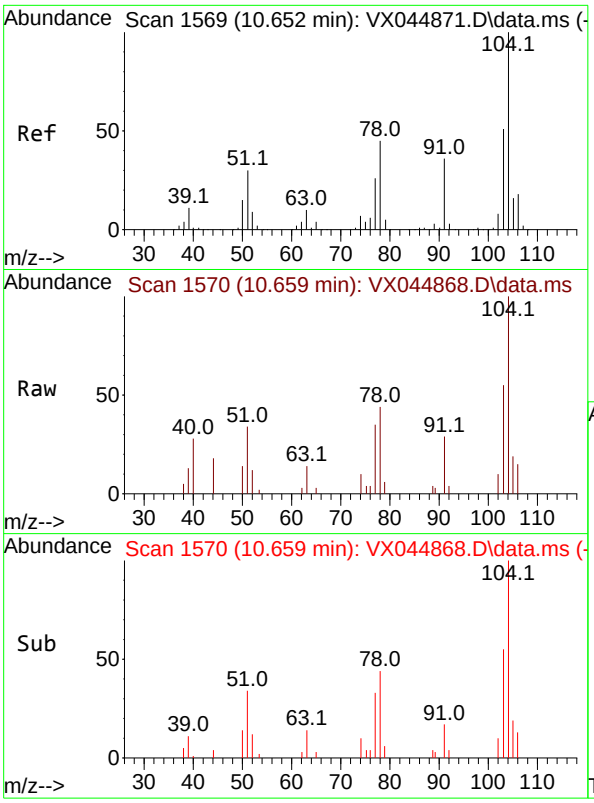


#69
o-Xylene
Concen: 0.942 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:106 Resp: 2889

Ion	Ratio	Lower	Upper
106	100		
91	211.5	108.5	325.5





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

Tgt Ion:104 Resp: 397

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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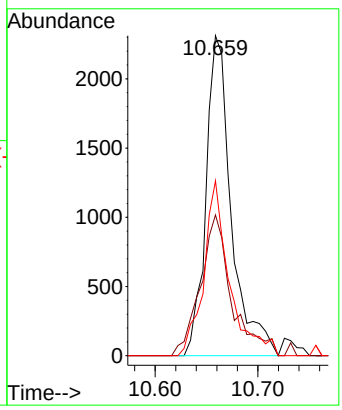
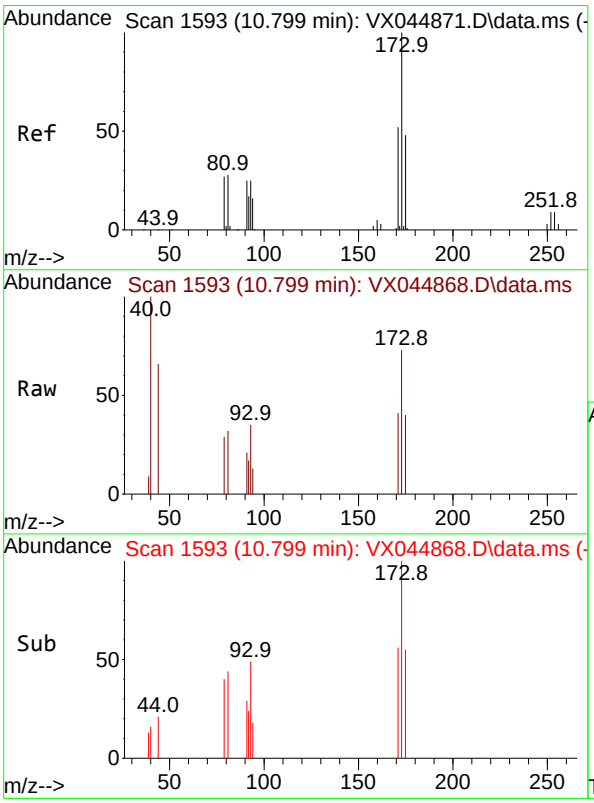
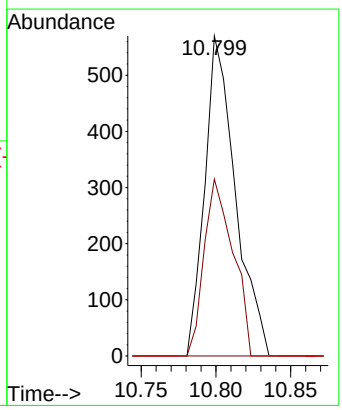


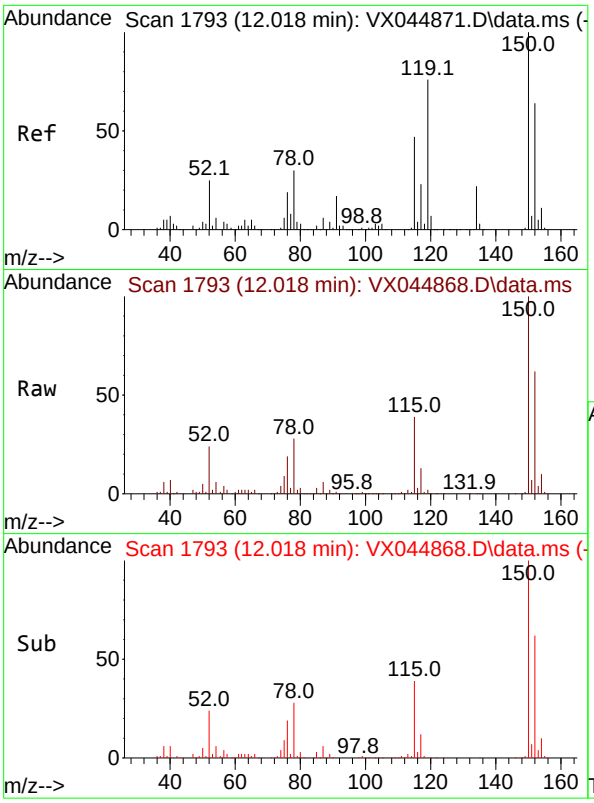


#71
Bromoform
Concen: 0.721 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:173 Resp: 813

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





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

Tgt Ion:152 Resp: 9073

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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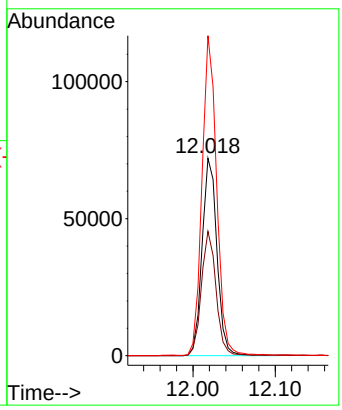
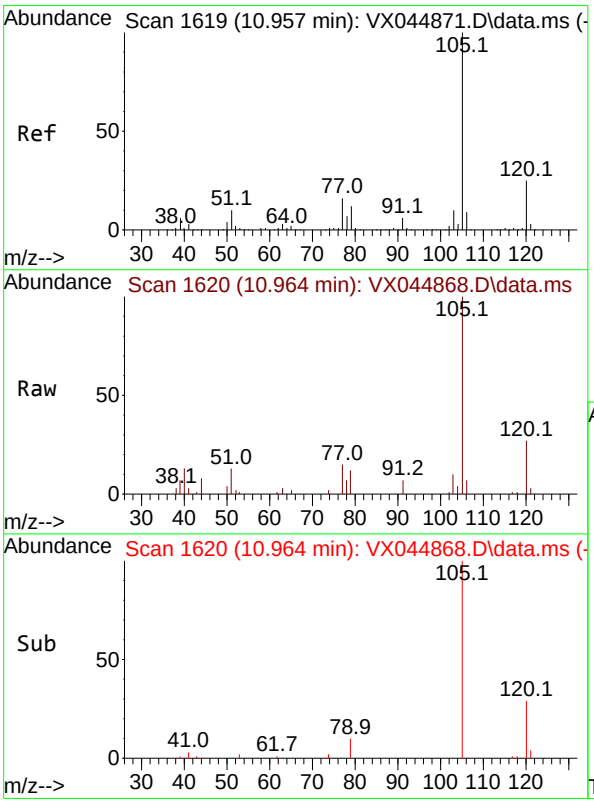
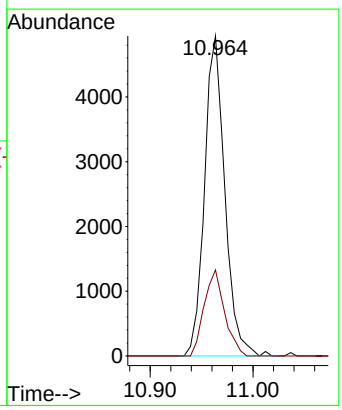


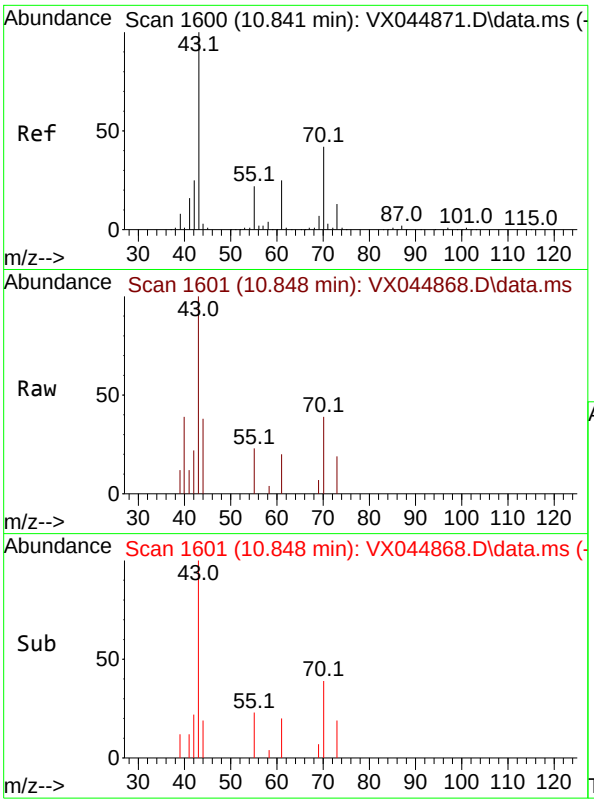


#73
Isopropylbenzene
Concen: 0.928 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:105 Resp: 6778

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.2	39.5





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

Tgt Ion: 43 Resp: 259(

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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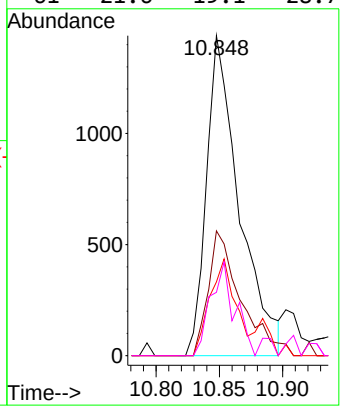
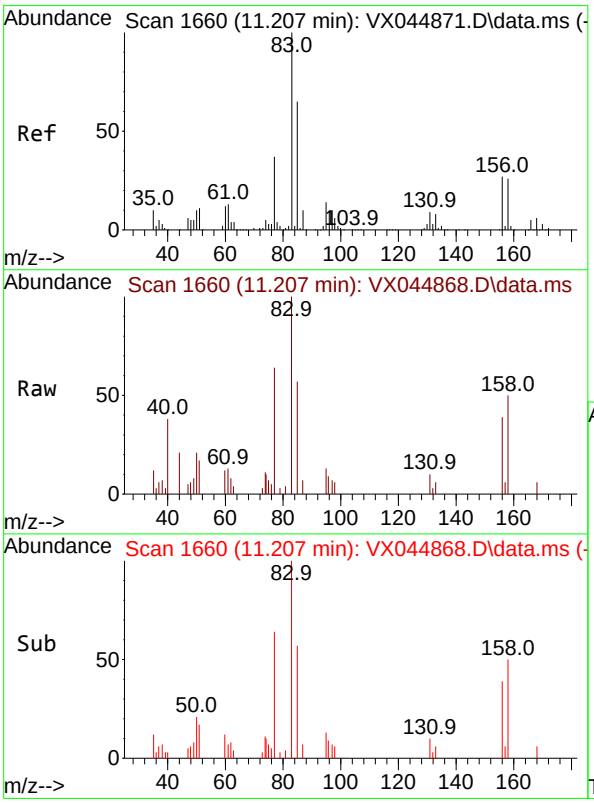
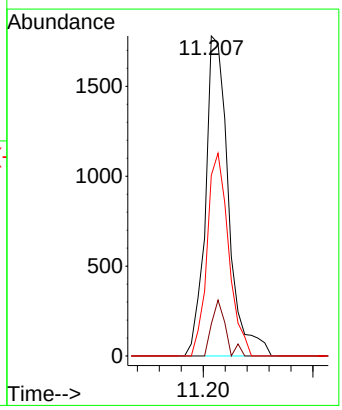


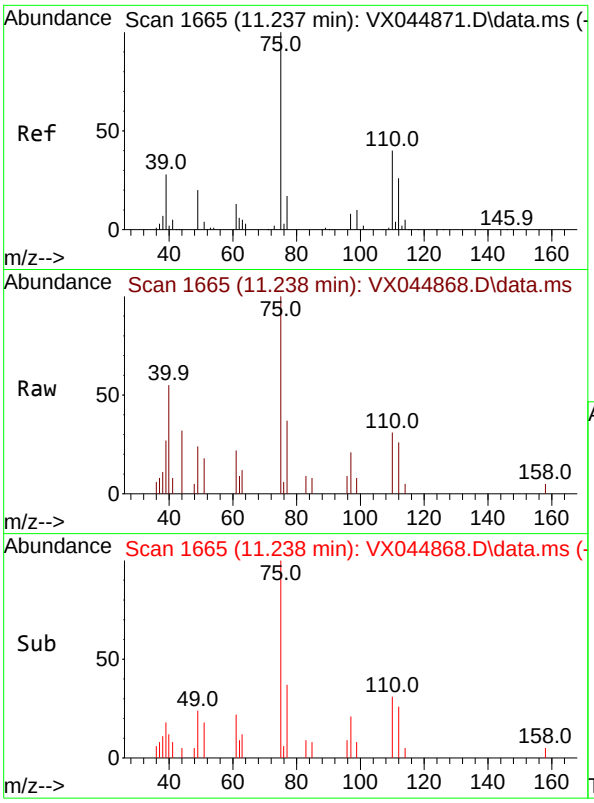


#75
1,1,2,2-Tetrachloroethane
Concen: 1.033 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 83 Resp: 2594

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





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

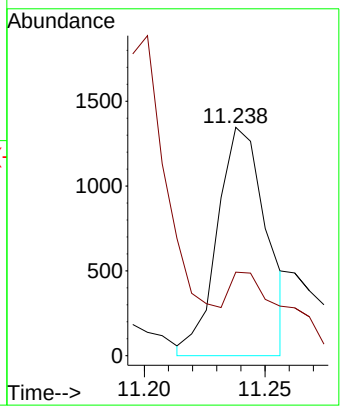
Tgt Ion: 75 Resp: 189

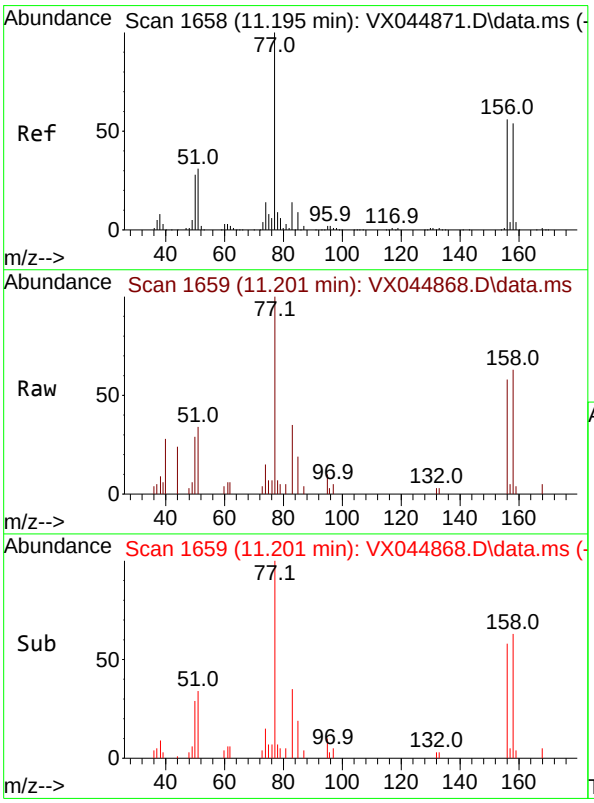
Ion	Ratio	Lower	Upper
75	100		
77	43.4	21.9	65.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

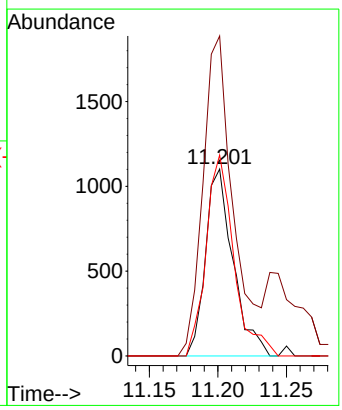


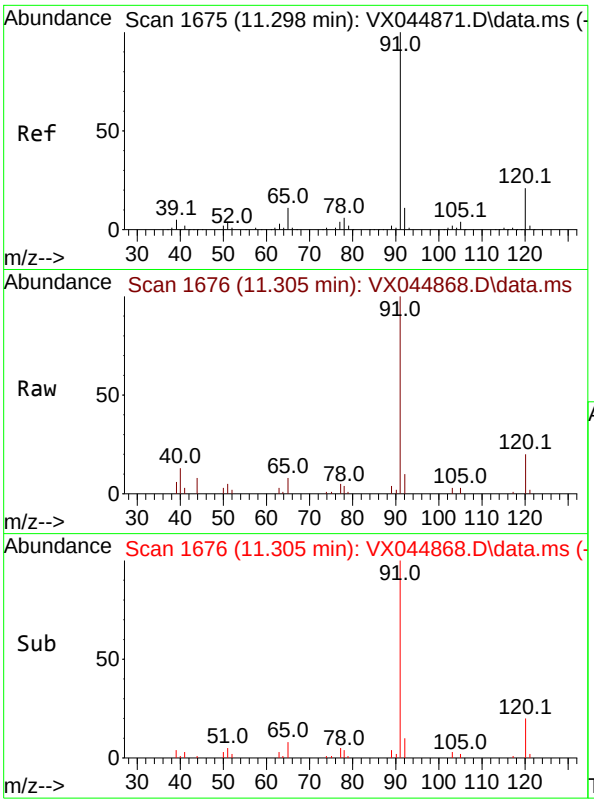


#77
Bromobenzene
Concen: 0.928 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:156 Resp: 1537

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





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

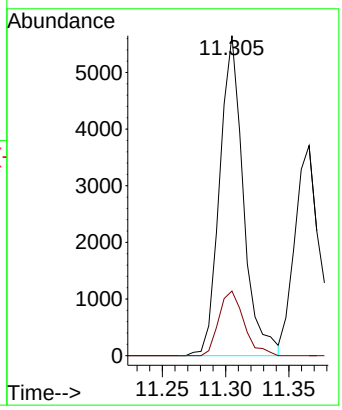
Tgt Ion: 91 Resp: 734

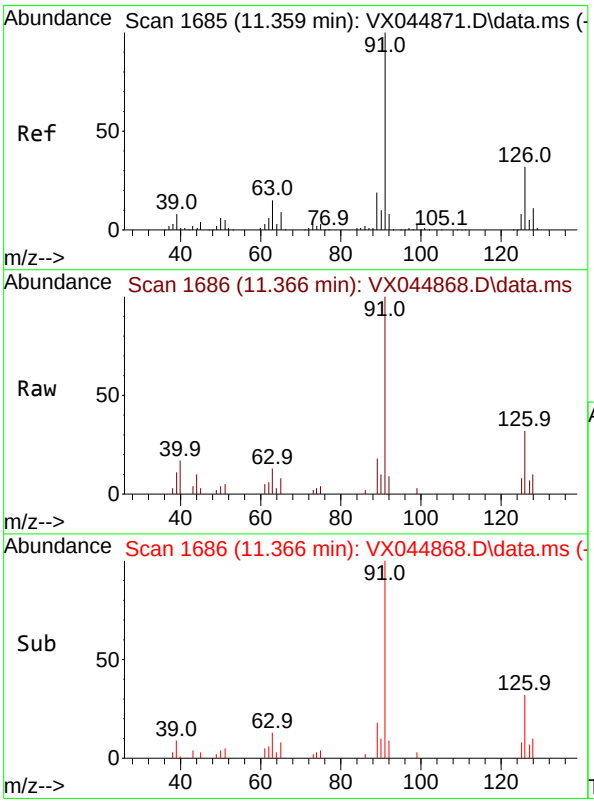
Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

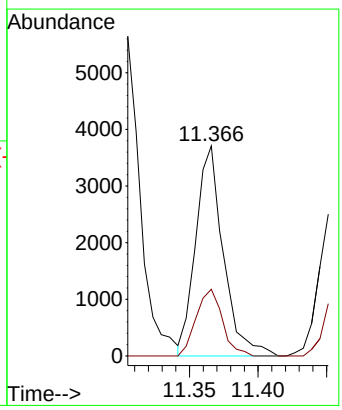


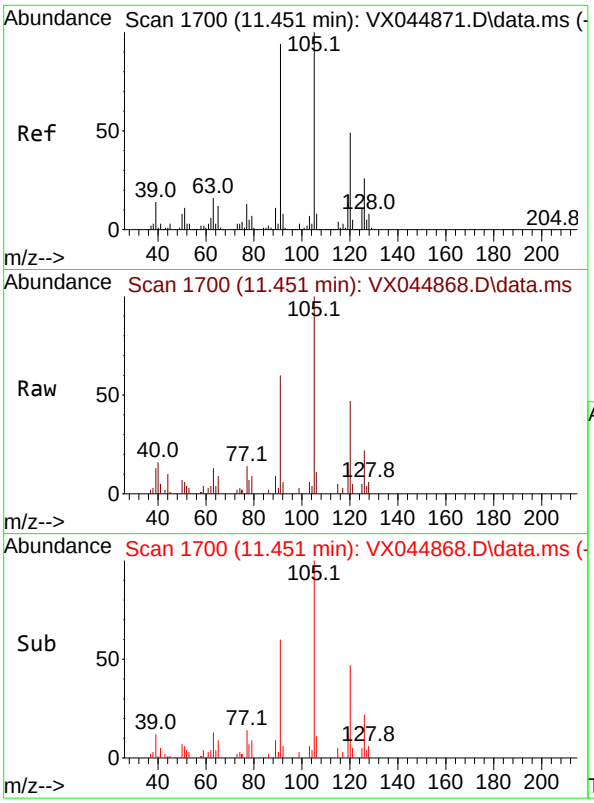


#79
2-Chlorotoluene
Concen: 1.001 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 5188

Ion	Ratio	Lower	Upper
91	100		
126	30.1	16.2	48.6





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

Tgt Ion:105 Resp: 541

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.0	72.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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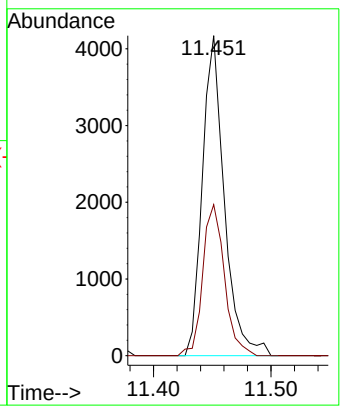
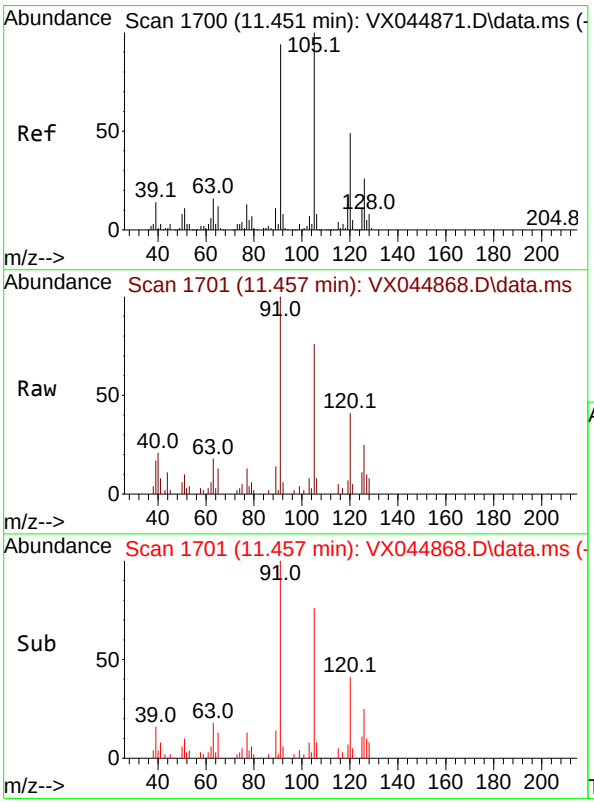
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

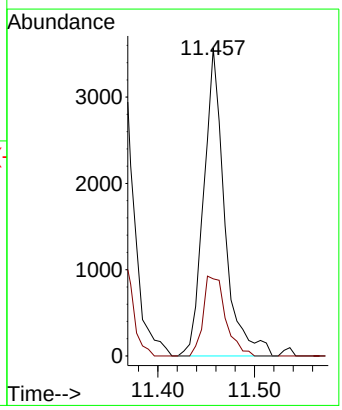


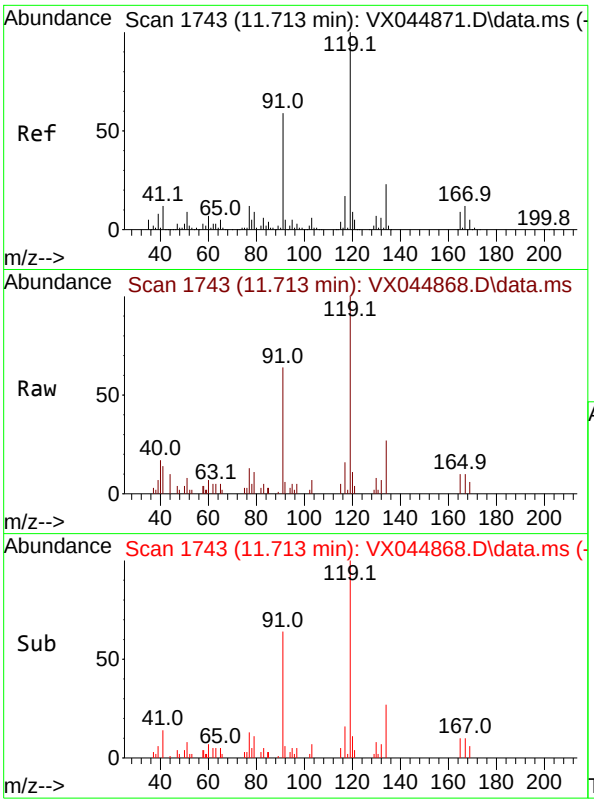


#82
4-Chlorotoluene
Concen: 0.936 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 5367

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.2	42.6





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

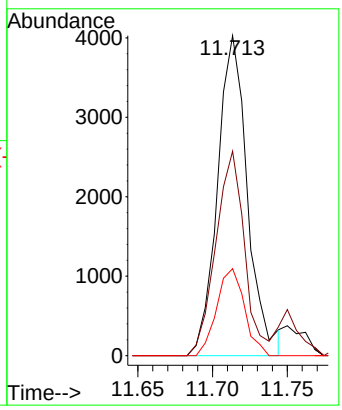
Tgt Ion:119 Resp: 562

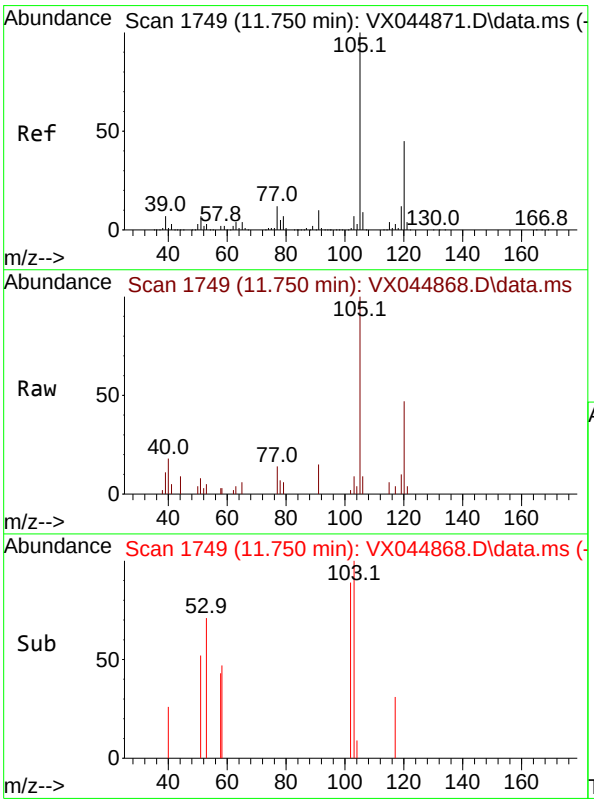
Ion	Ratio	Lower	Upper
119	100		
91	61.3	29.1	87.4
134	25.2	11.5	34.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

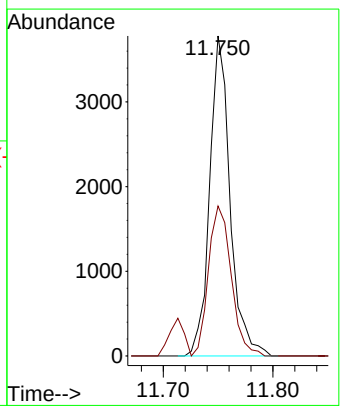


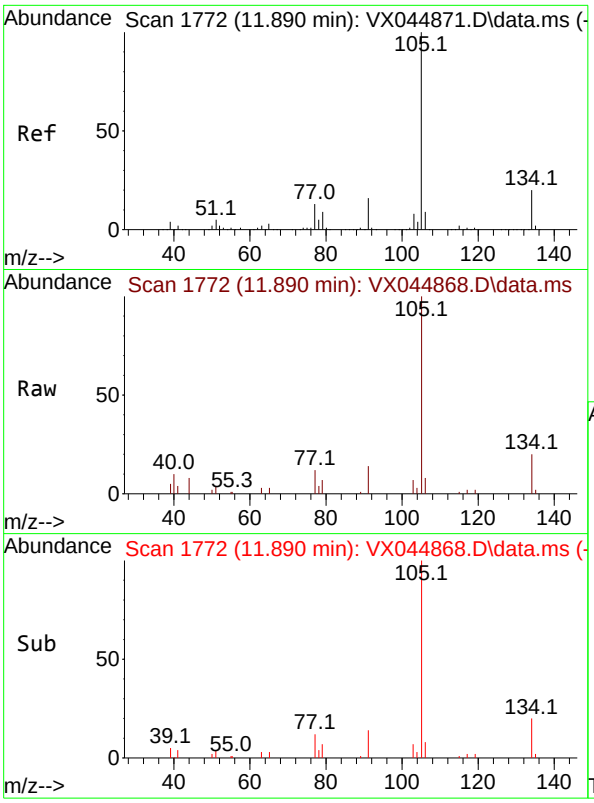


#84
1,2,4-Trimethylbenzene
Concen: 0.833 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:105 Resp: 4876

Ion	Ratio	Lower	Upper
105	100		
120	52.4	22.4	67.0





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

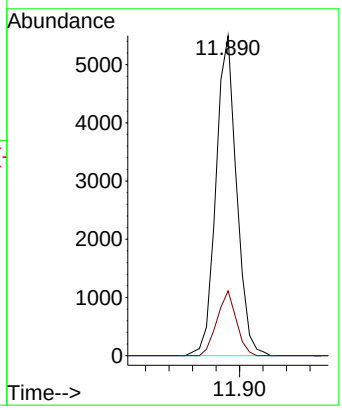
Tgt Ion:105 Resp: 670

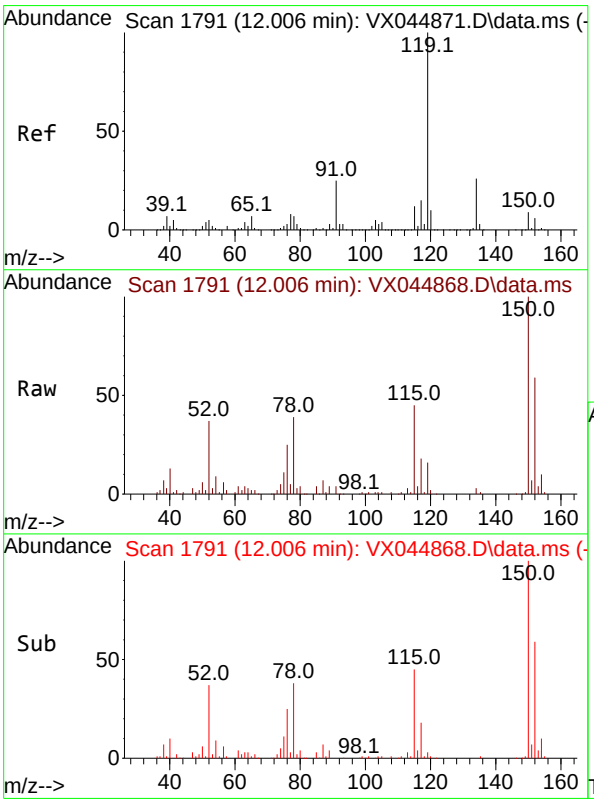
Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

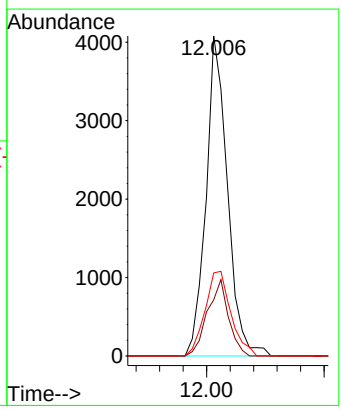


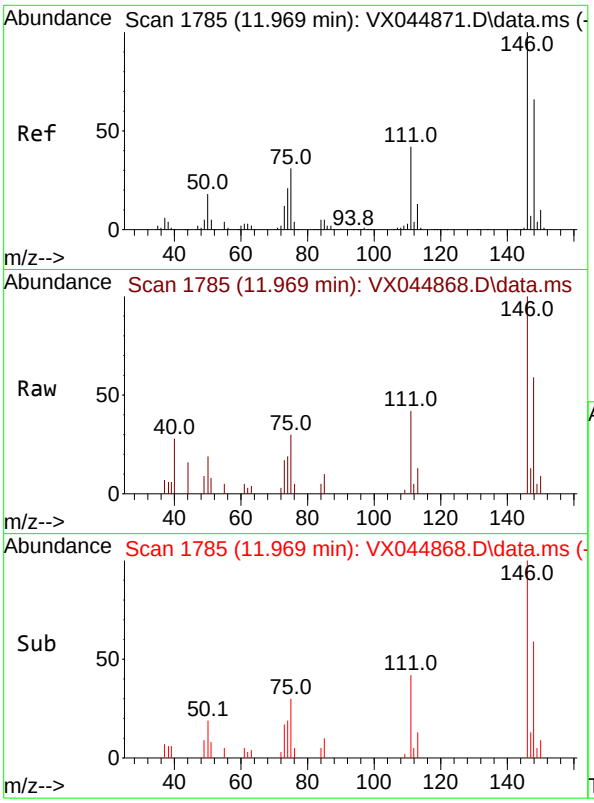


#86
p-Isopropyltoluene
Concen: 0.864 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:119 Resp: 5161

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





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

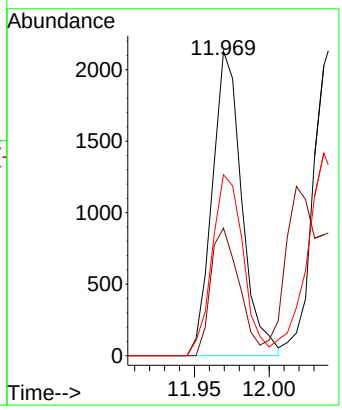
Tgt Ion:146 Resp: 293

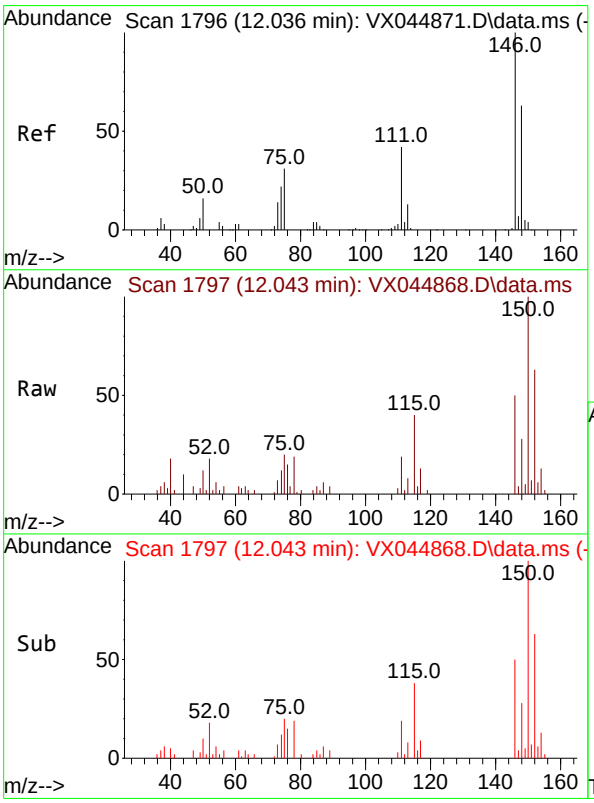
Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.2	63.6
148	62.8	32.5	97.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

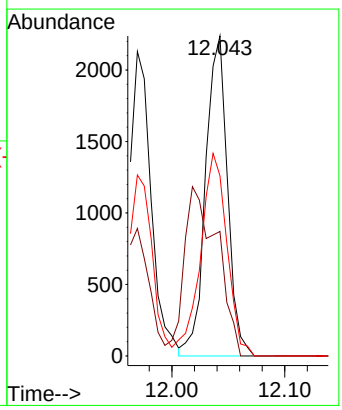


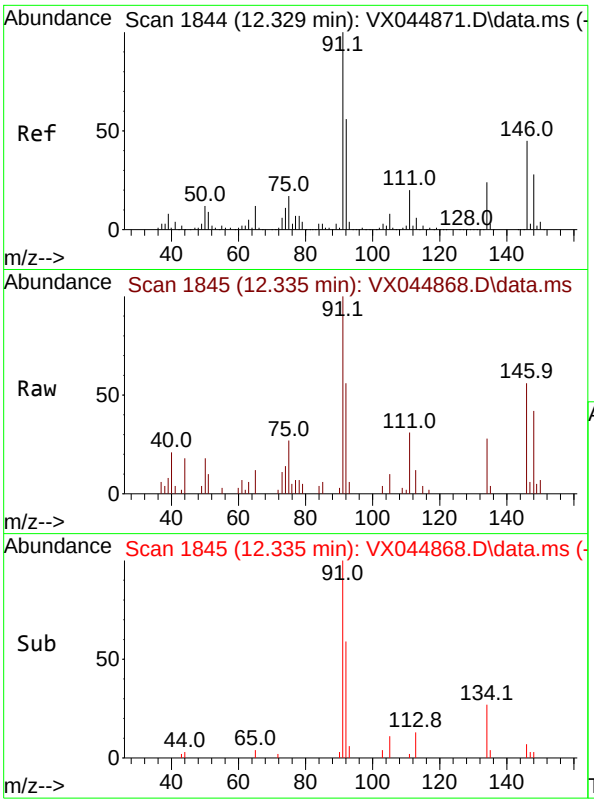


#88
1,4-Dichlorobenzene
Concen: 0.979 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:146 Resp: 3016

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





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

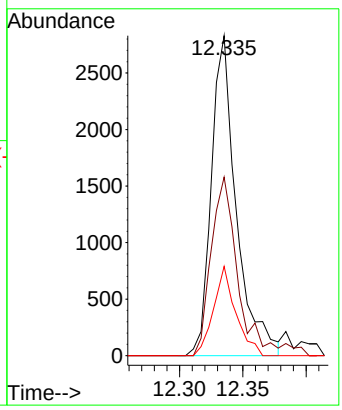
Tgt Ion: 91 Resp: 388

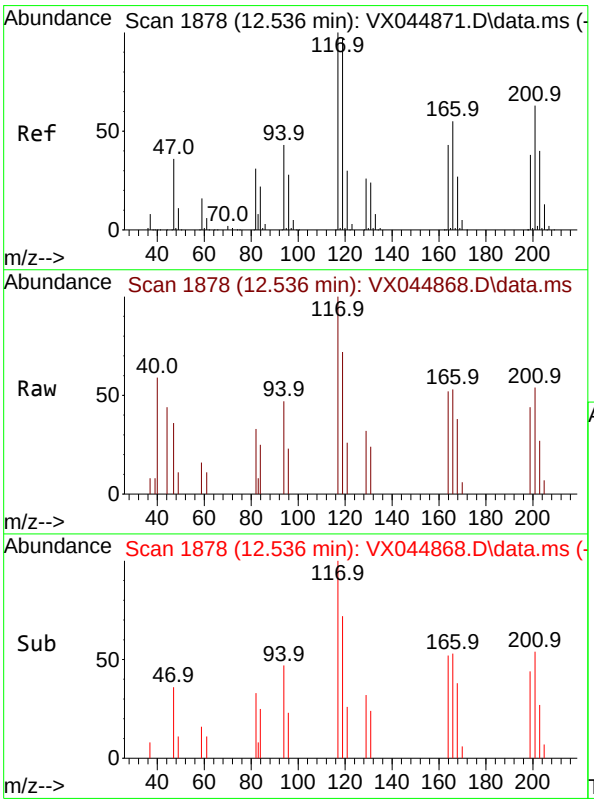
Ion	Ratio	Lower	Upper
91	100		
92	60.9	27.2	81.6
134	24.8	12.1	36.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

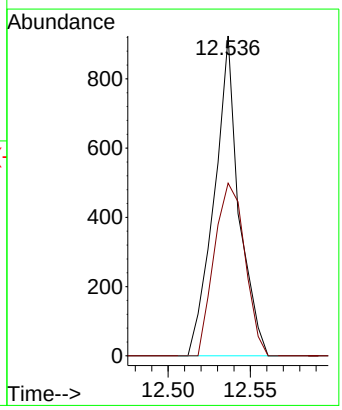


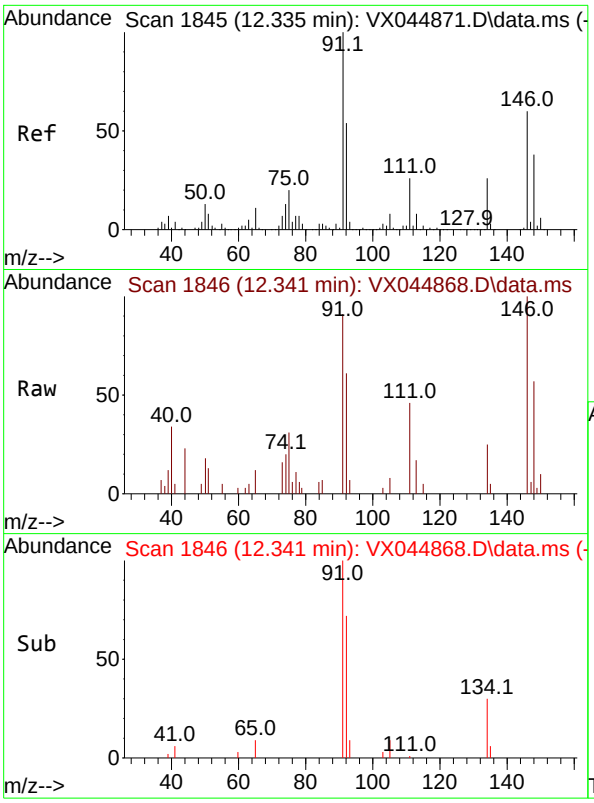


#90
Hexachloroethane
Concen: 0.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:117 Resp: 968

Ion	Ratio	Lower	Upper
117	100		
201	66.8	32.5	97.5





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

Tgt Ion:146 Resp: 274

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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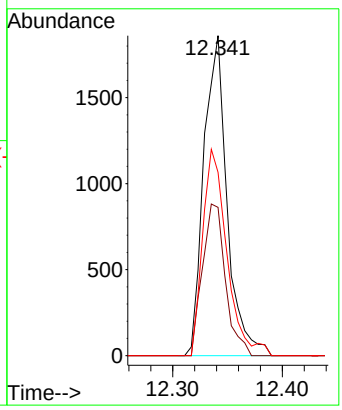
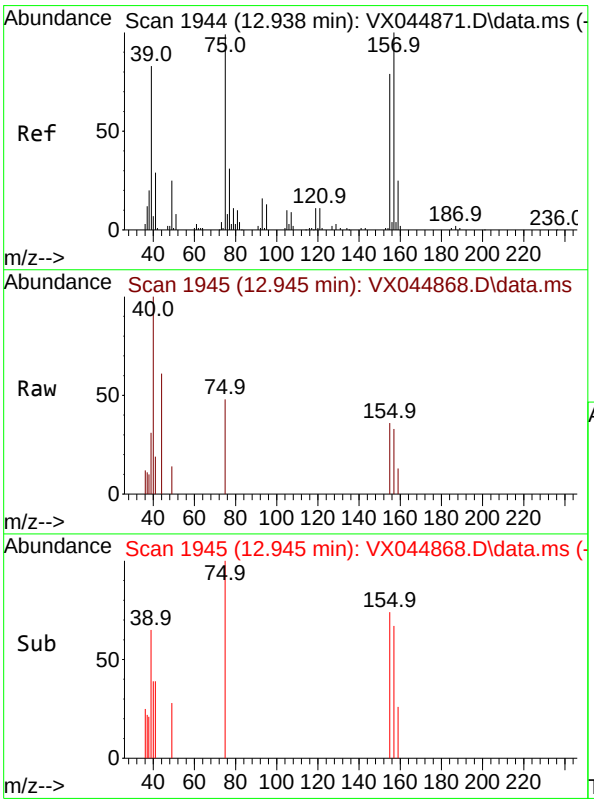
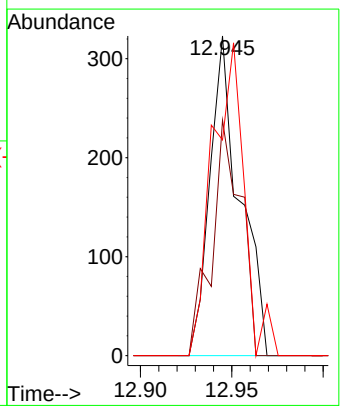


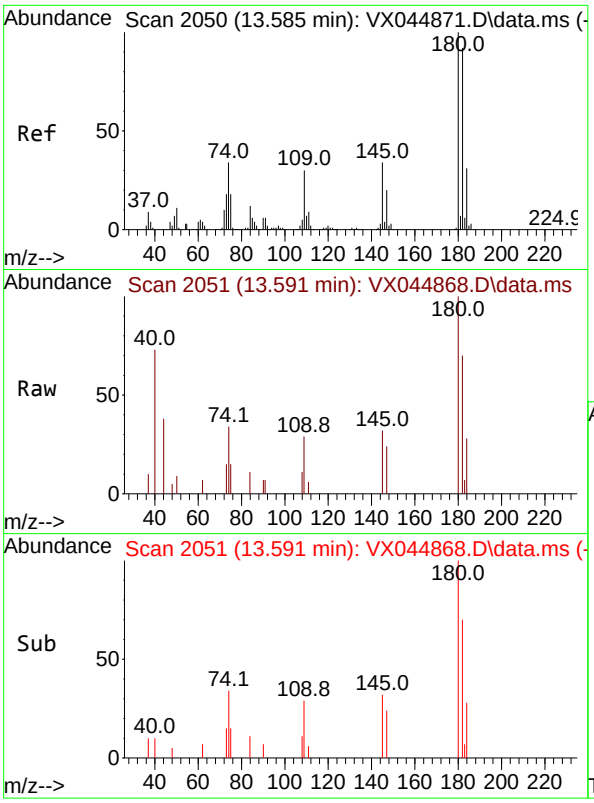


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.801 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 367

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





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

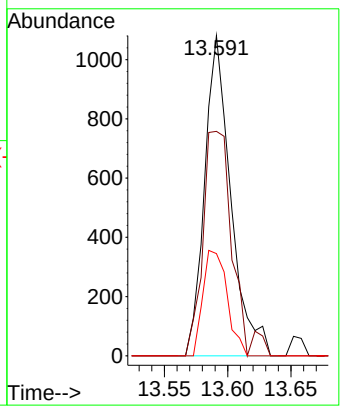
Tgt Ion:180 Resp: 156(

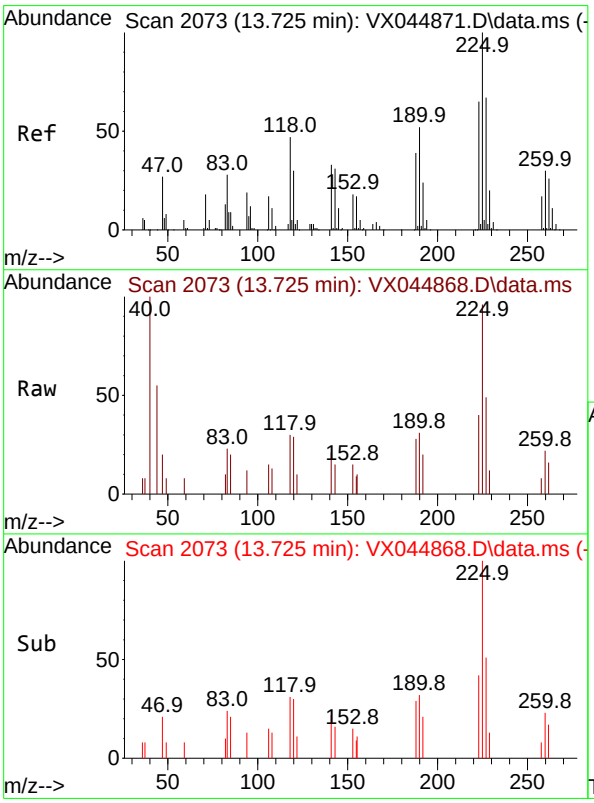
Ion	Ratio	Lower	Upper
180	100		
182	78.7	47.6	142.8
145	30.4	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

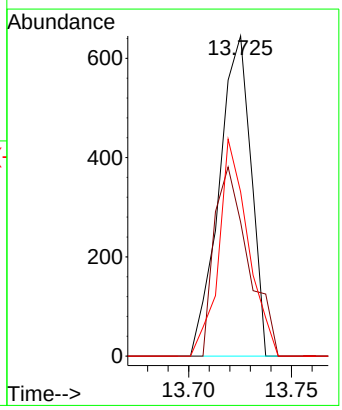


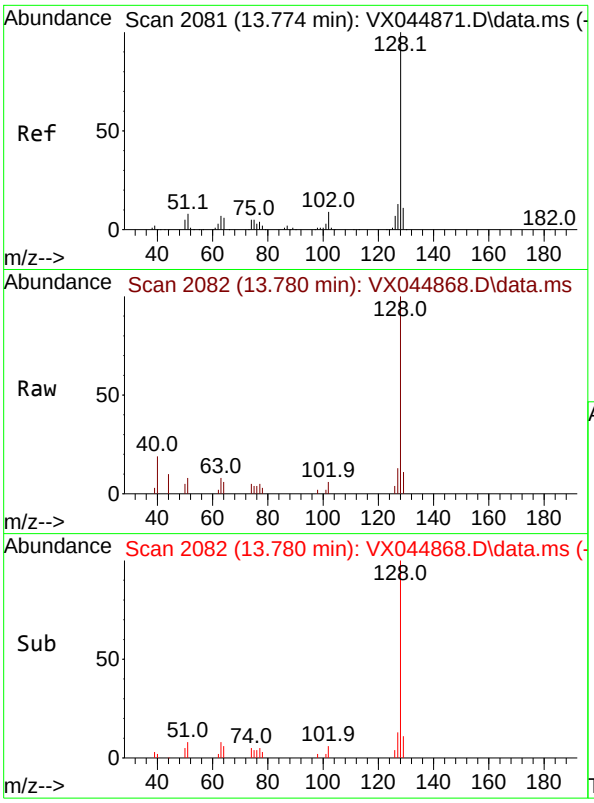


#94
Hexachlorobutadiene
Concen: 0.966 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:225 Resp: 695

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





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

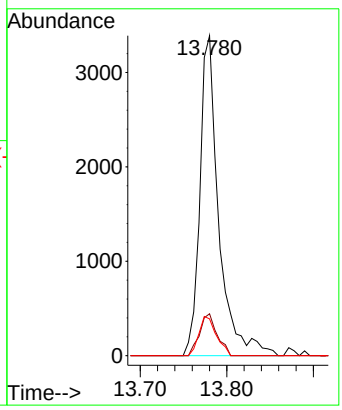
Tgt Ion:128 Resp: 512!

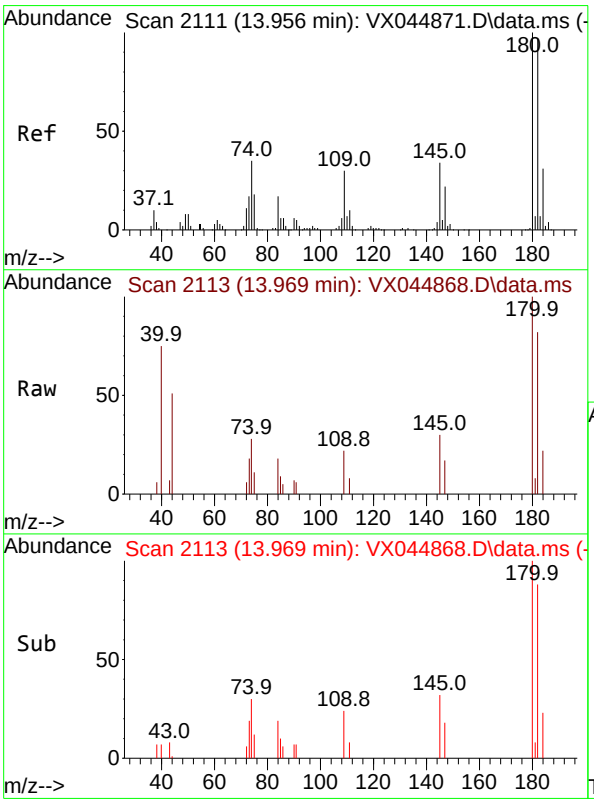
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.1	15.1
129	11.3	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

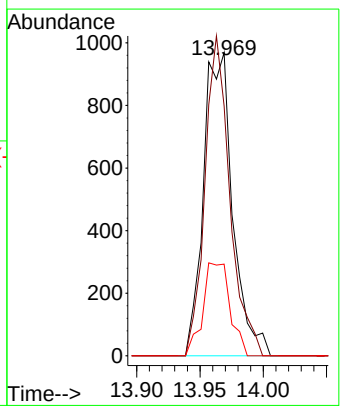




#96
1,2,3-Trichlorobenzene
Concen: 0.853 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:180 Resp: 1557

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

Manual Integrations
APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

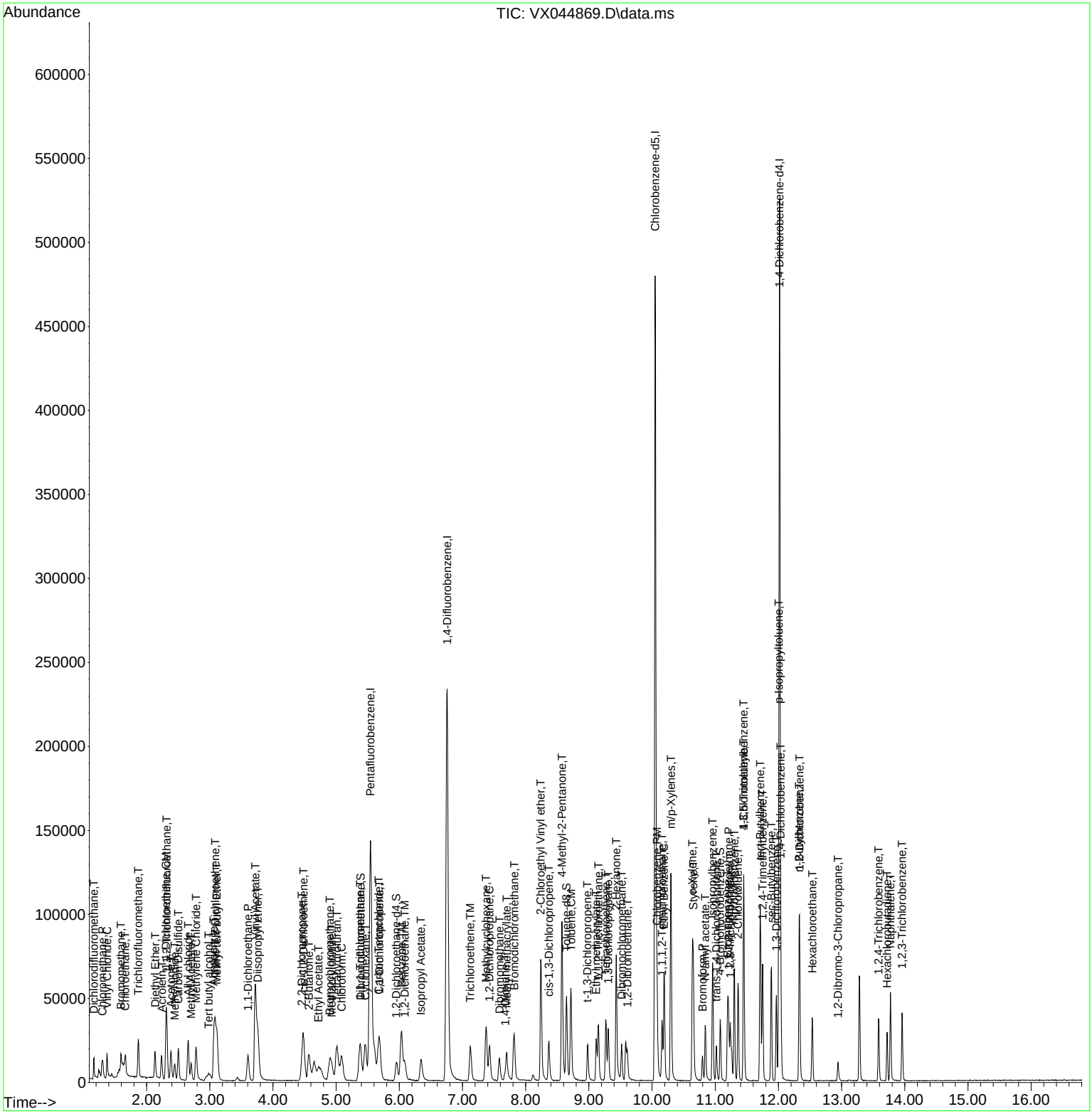
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

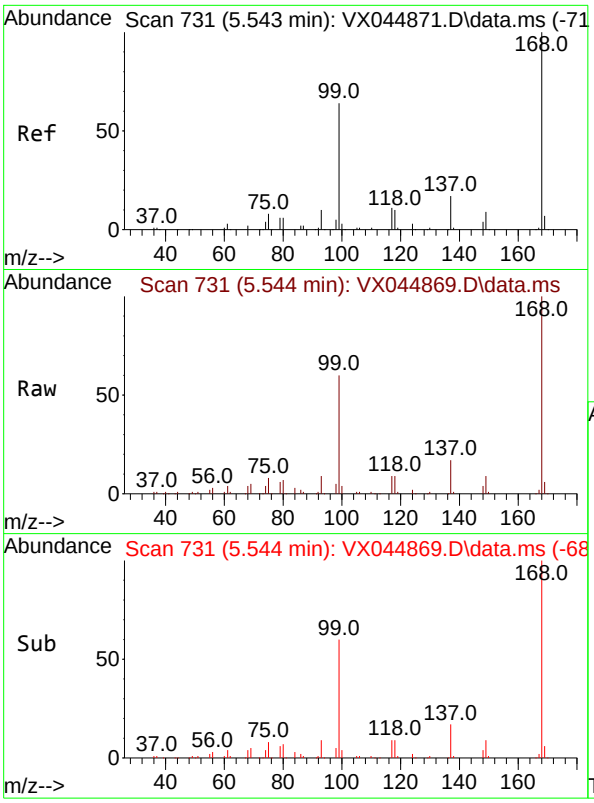
Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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





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

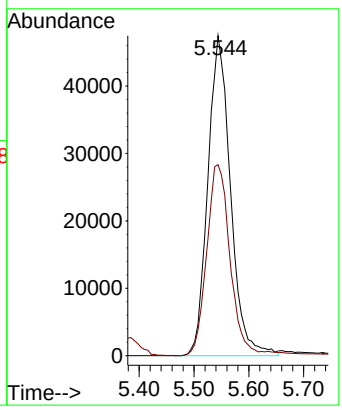
Tgt Ion:168 Resp: 13610

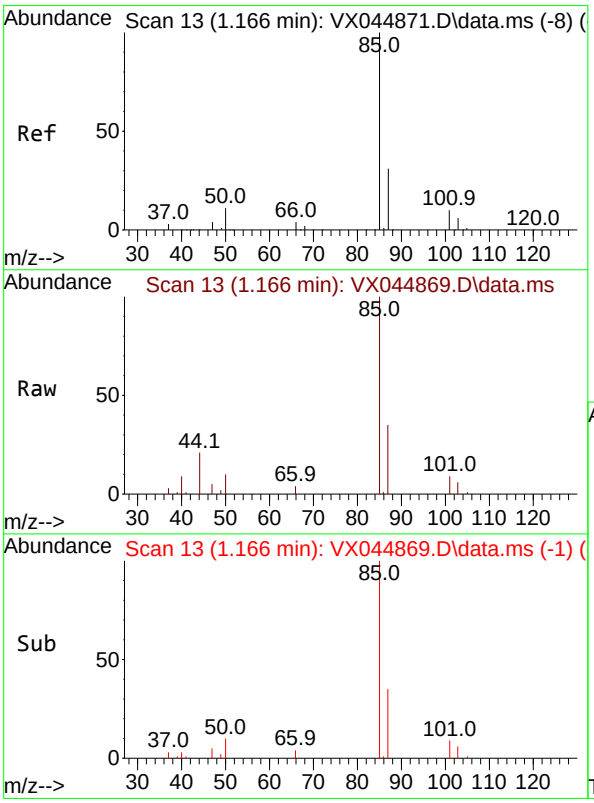
Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

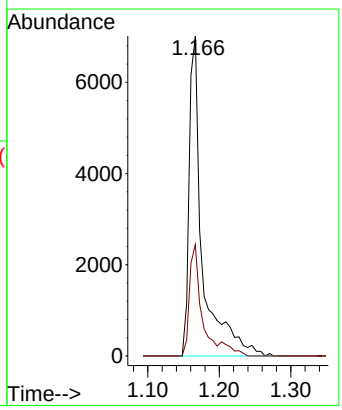


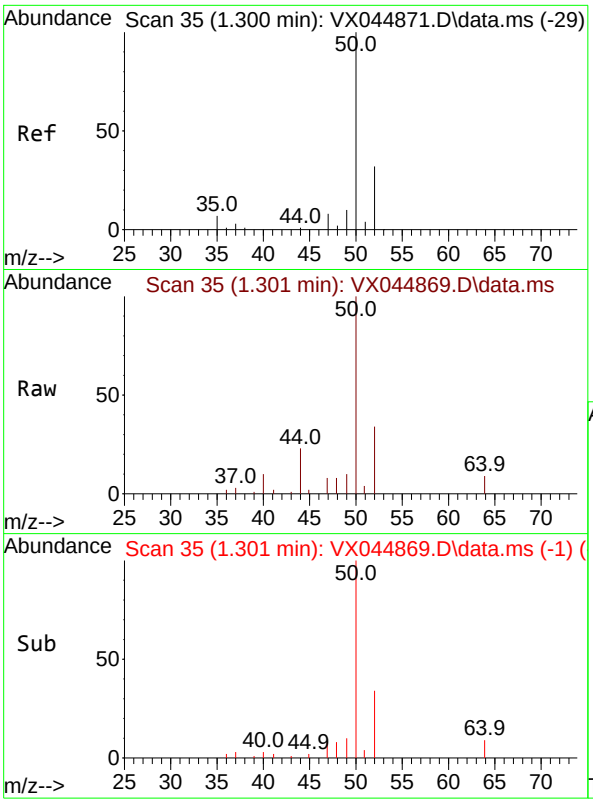


#2
Dichlorodifluoromethane
Concen: 4.772 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 85 Resp: 9109

Ion	Ratio	Lower	Upper
85	100		
87	34.8	15.8	47.3





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

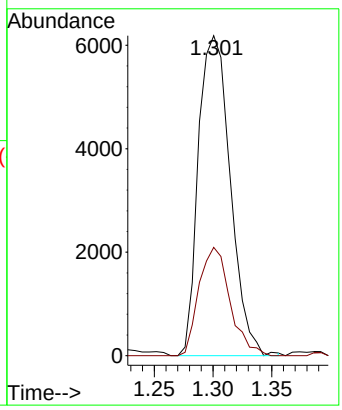
Tgt Ion: 50 Resp: 1171

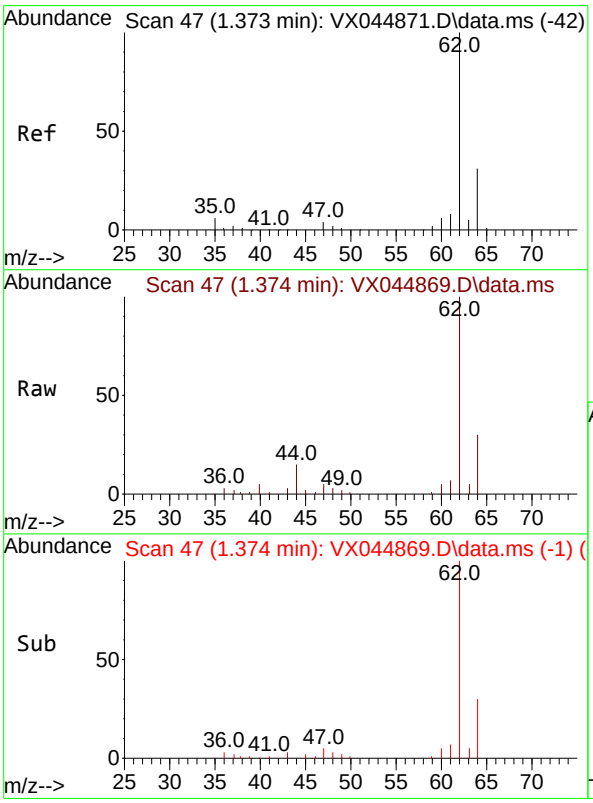
Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

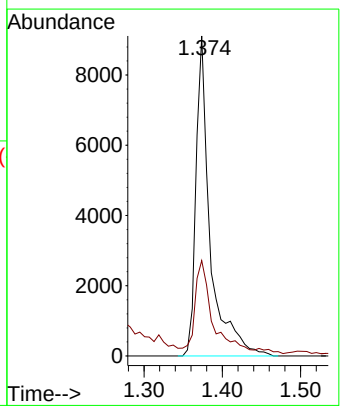


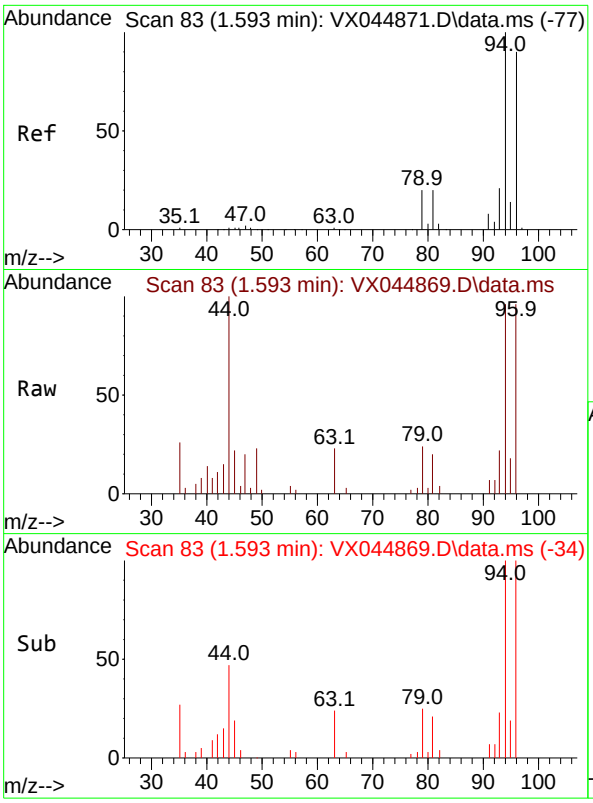


#4
Vinyl Chloride
Concen: 5.113 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11509

Ion	Ratio	Lower	Upper
62	100		
64	28.4	25.4	38.0





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

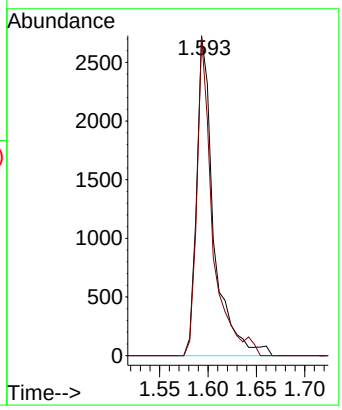
Tgt Ion: 94 Resp: 337

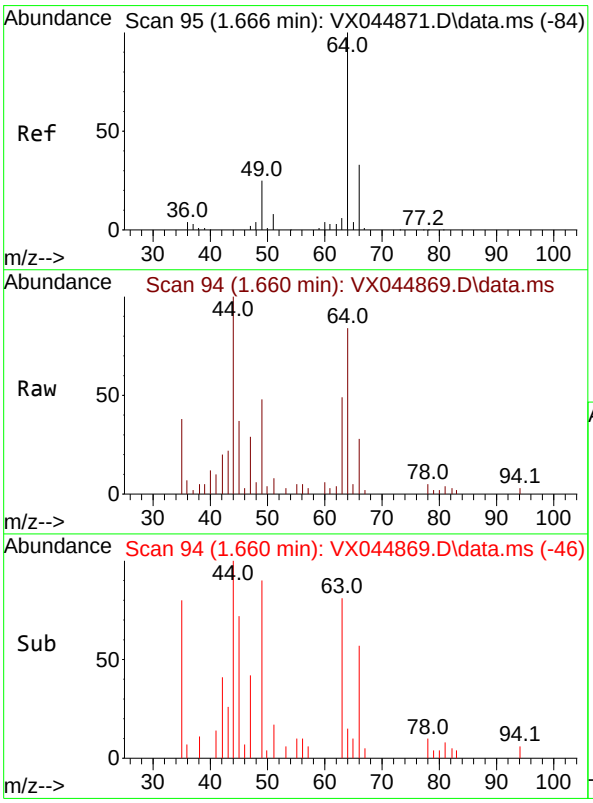
Ion	Ratio	Lower	Upper
94	100		
96	100.2	71.6	107.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

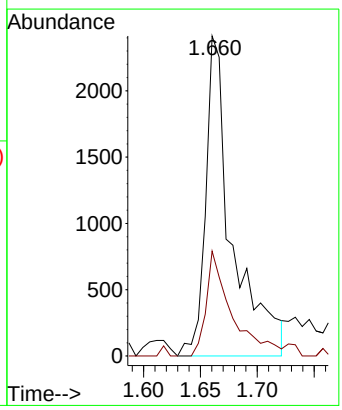


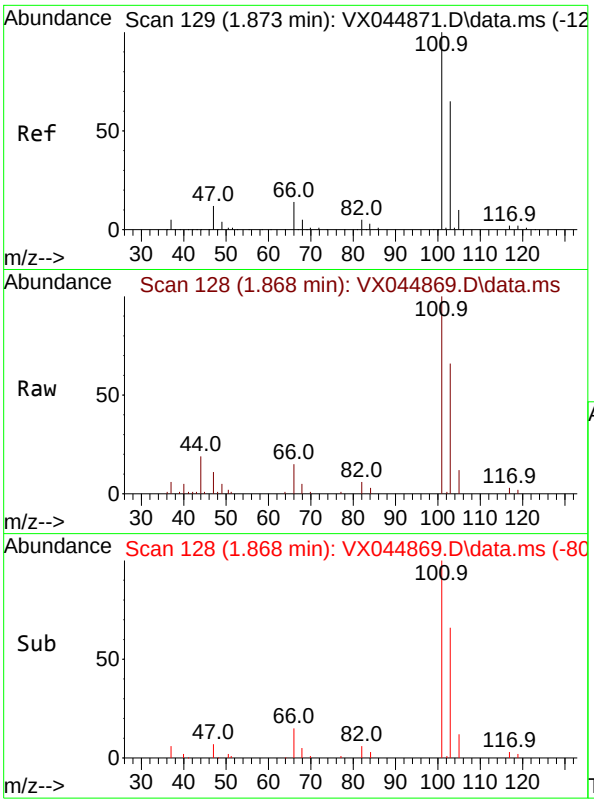


#6
Chloroethane
Concen: 4.973 ug/l m
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 64 Resp: 3918

Ion	Ratio	Lower	Upper
64	100		
66	32.8	25.9	38.9





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

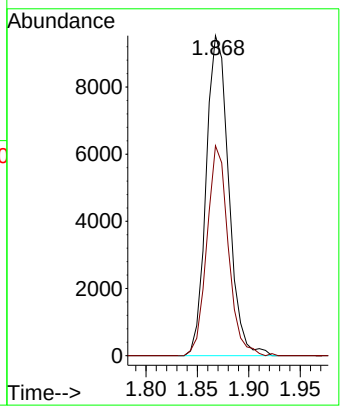
Tgt Ion:101 Resp: 1450

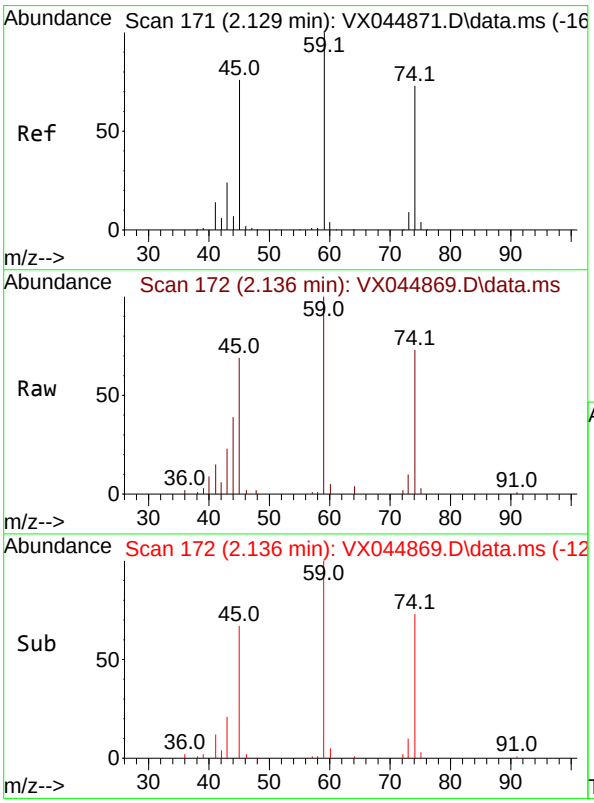
Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.4	78.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

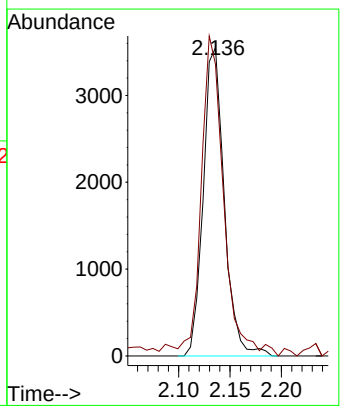


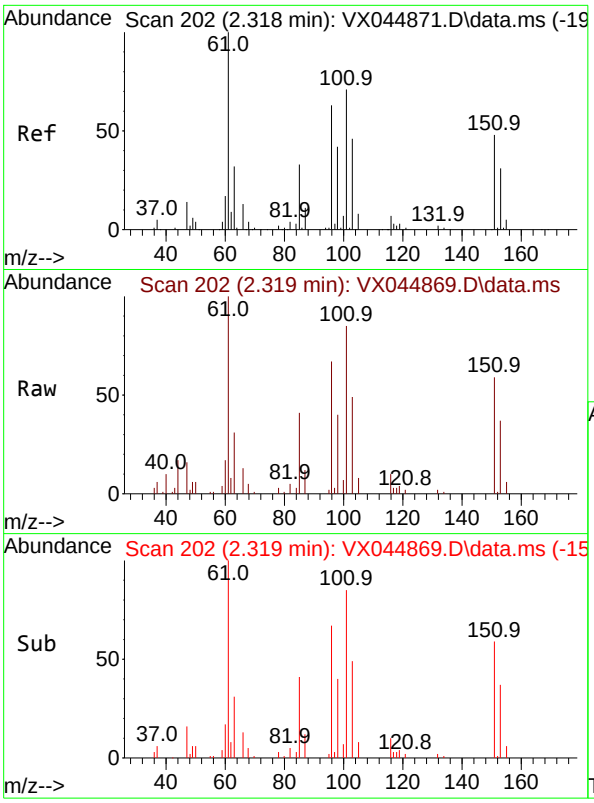


#8
Diethyl Ether
Concen: 4.904 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.007 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 74 Resp: 5062

Ion	Ratio	Lower	Upper
74	100		
45	112.2	51.1	153.4





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

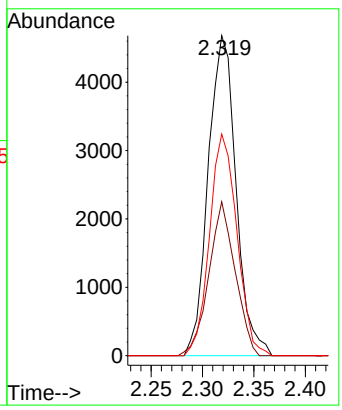
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

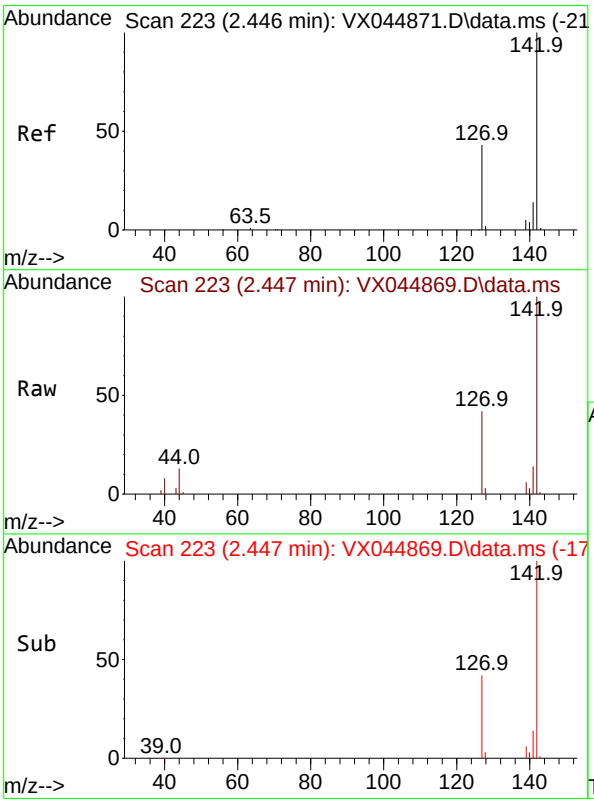
Tgt Ion:101 Resp: 880

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

Manual Integrations
APPROVED

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

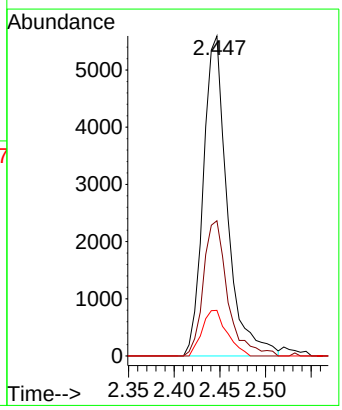


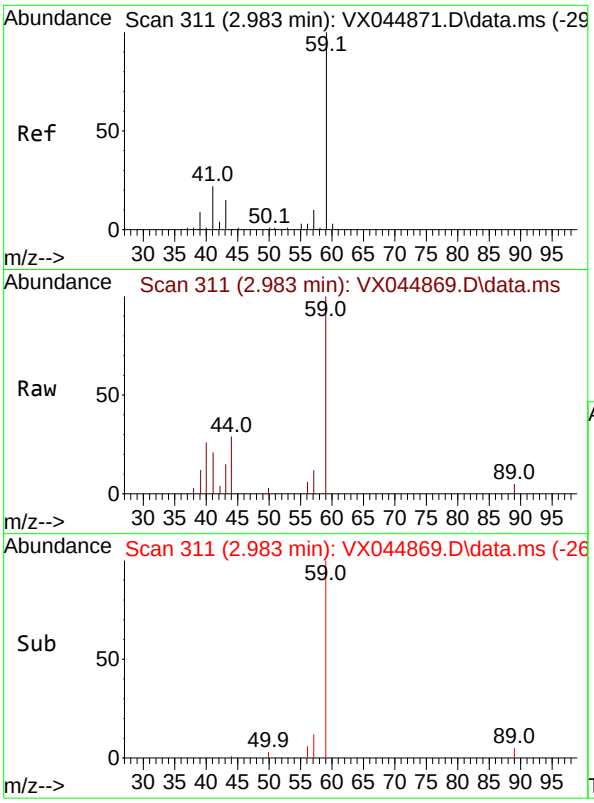


#10
Methyl Iodide
Concen: 4.591 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:142 Resp: 10233

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





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

Tgt Ion: 59 Resp: 1004

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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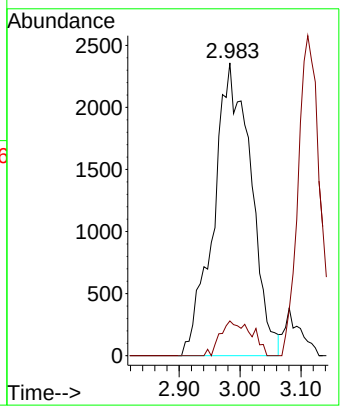
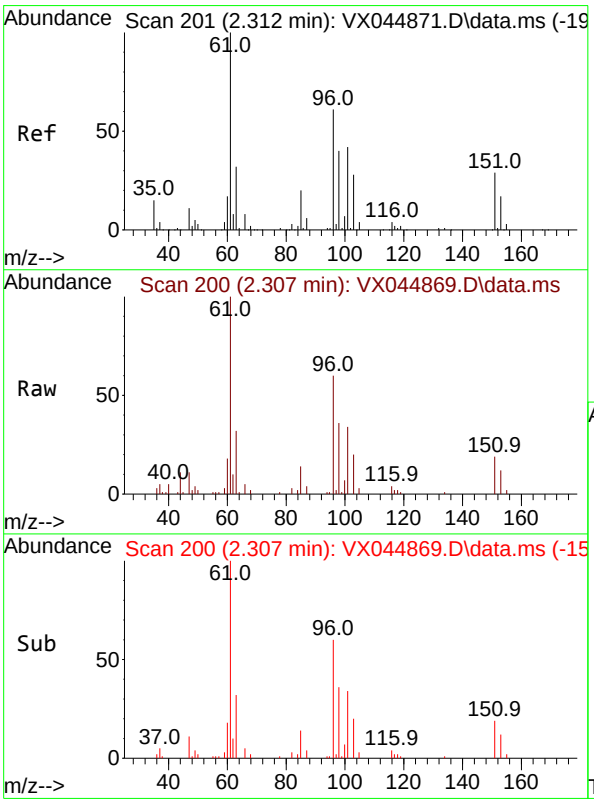
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

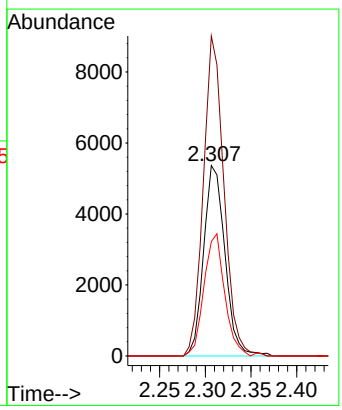


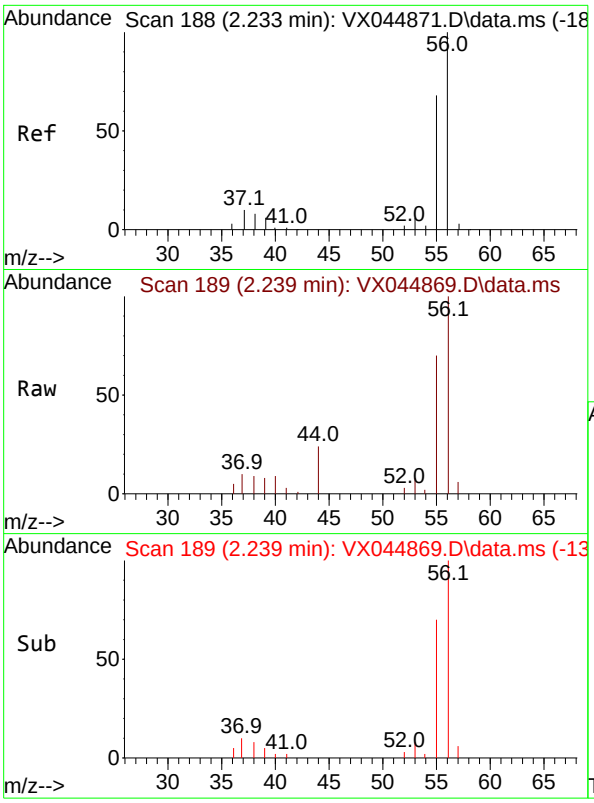


#12
1,1-Dichloroethene
Concen: 4.955 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 96 Resp: 8692

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





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

Tgt Ion: 56 Resp: 975

Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.7	83.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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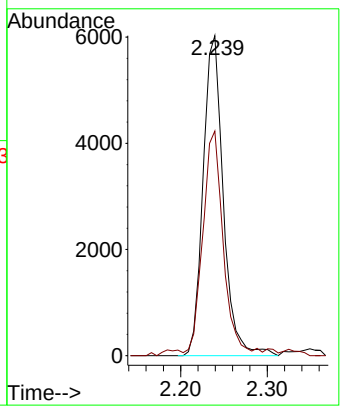
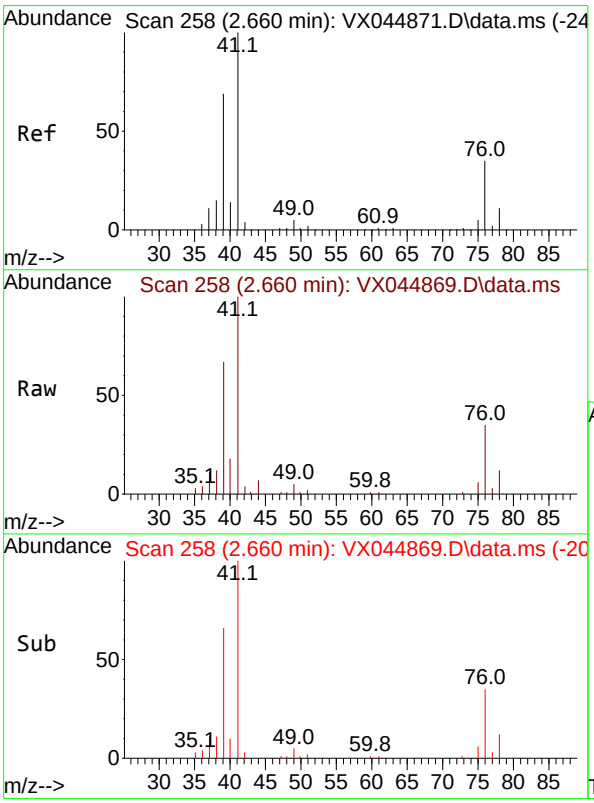
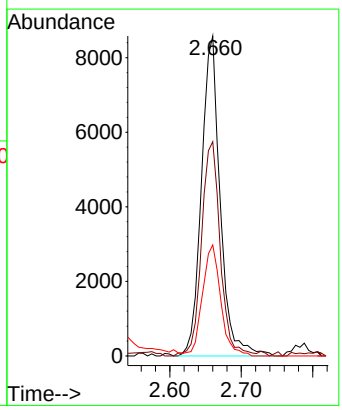


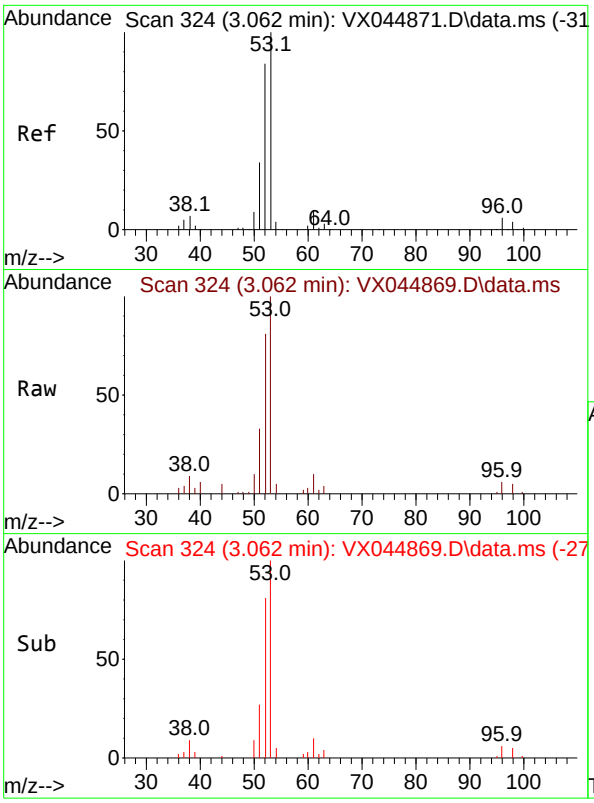


#14
Allyl chloride
Concen: 4.936 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 15649

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





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

Tgt Ion: 53 Resp: 2410

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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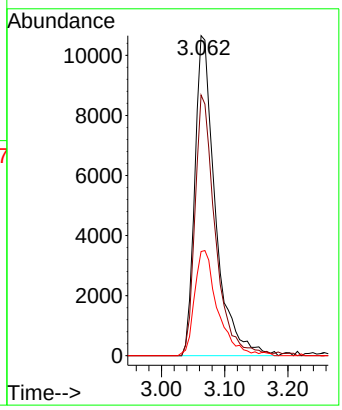
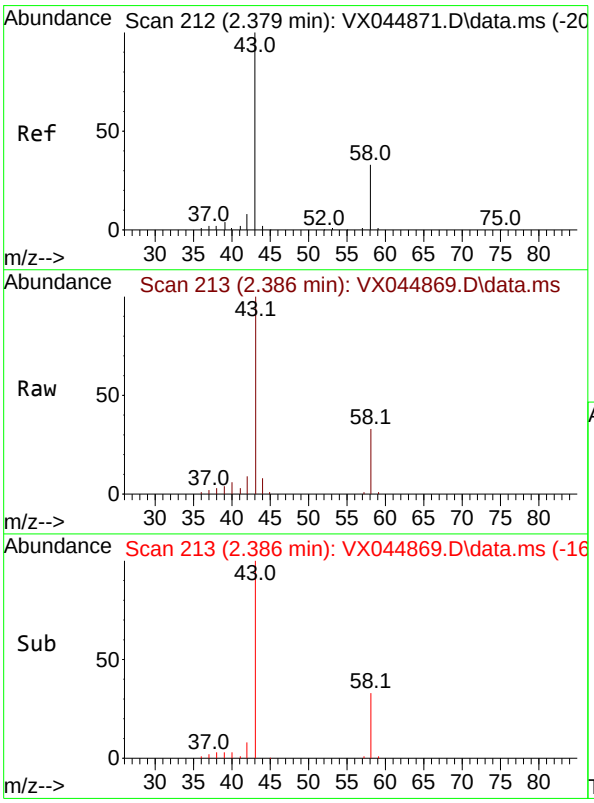
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

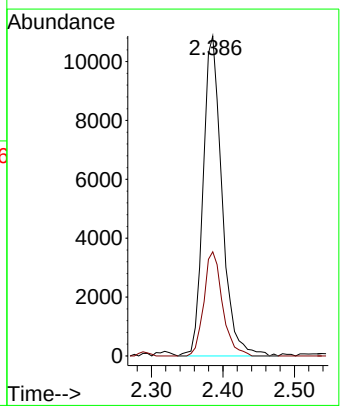


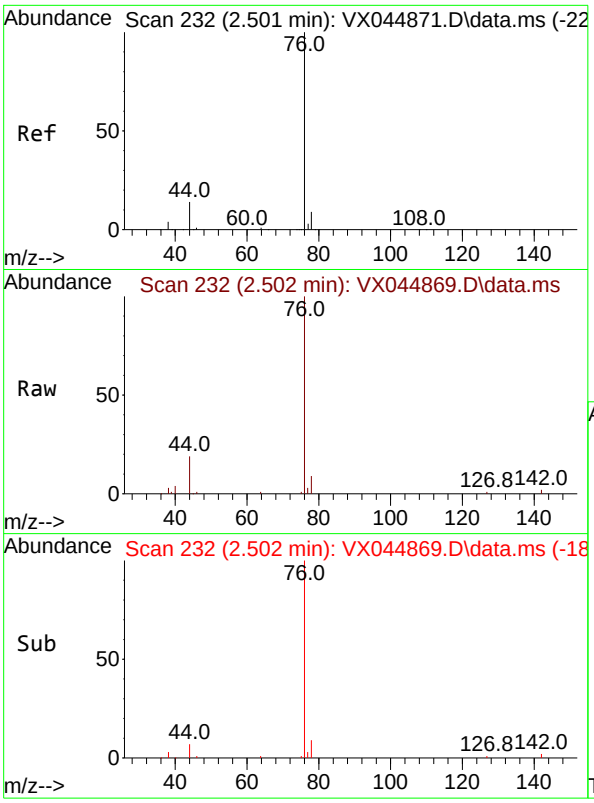


#16
Acetone
Concen: 24.817 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 19877

Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7





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

Tgt Ion: 76 Resp: 2356

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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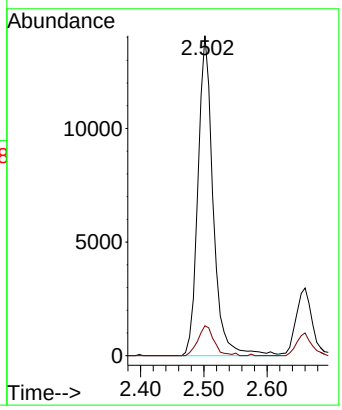
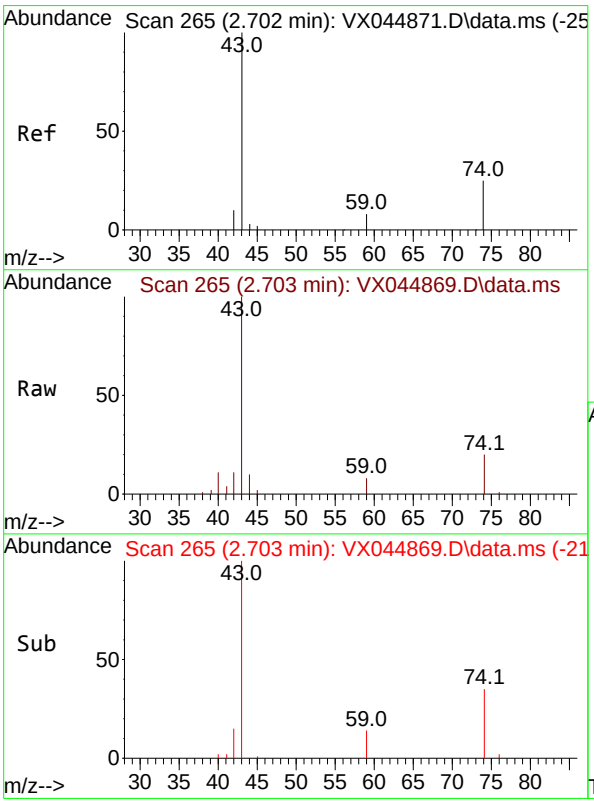
Supervised By :Mahesh Dadoda 02/11/2025

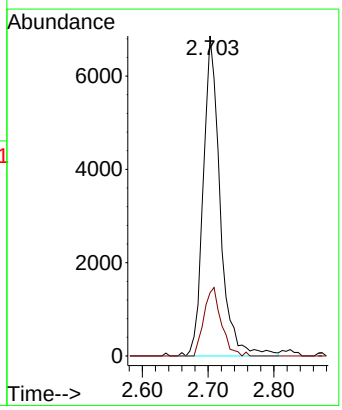


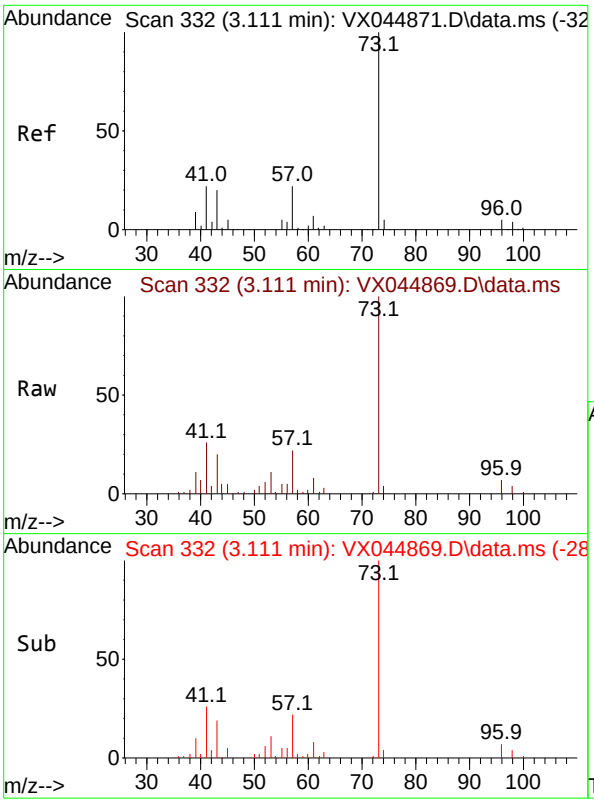


#18
Methyl Acetate
Concen: 4.850 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 12257

Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.9	28.3





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

Tgt Ion: 73 Resp: 2810

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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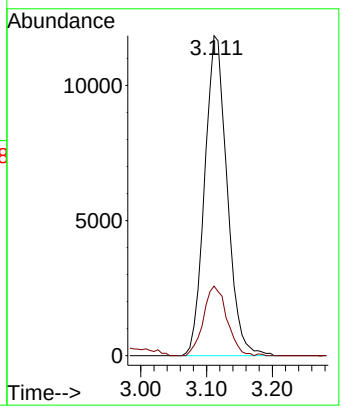
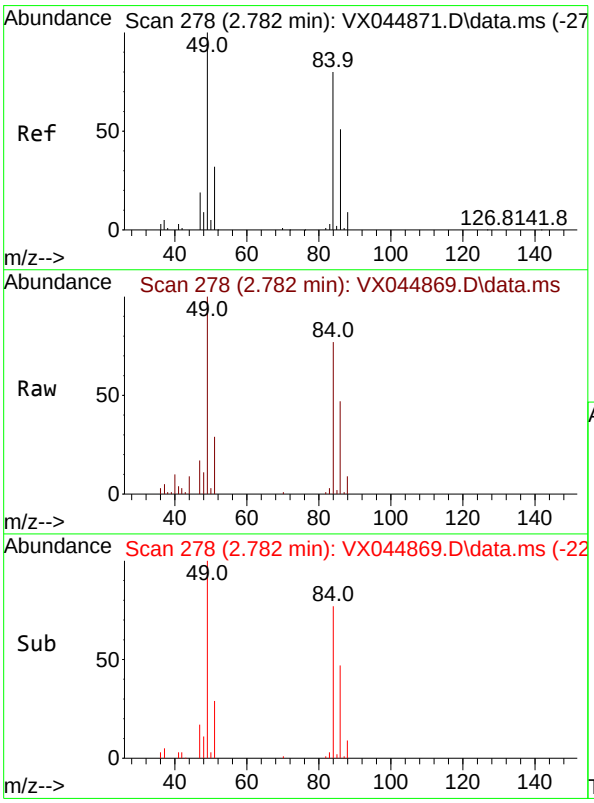
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

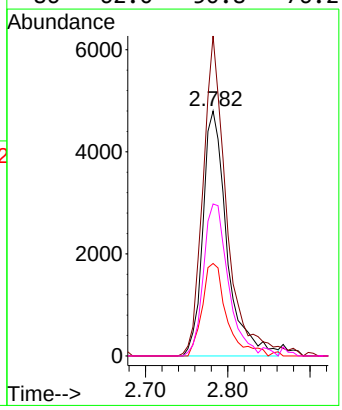


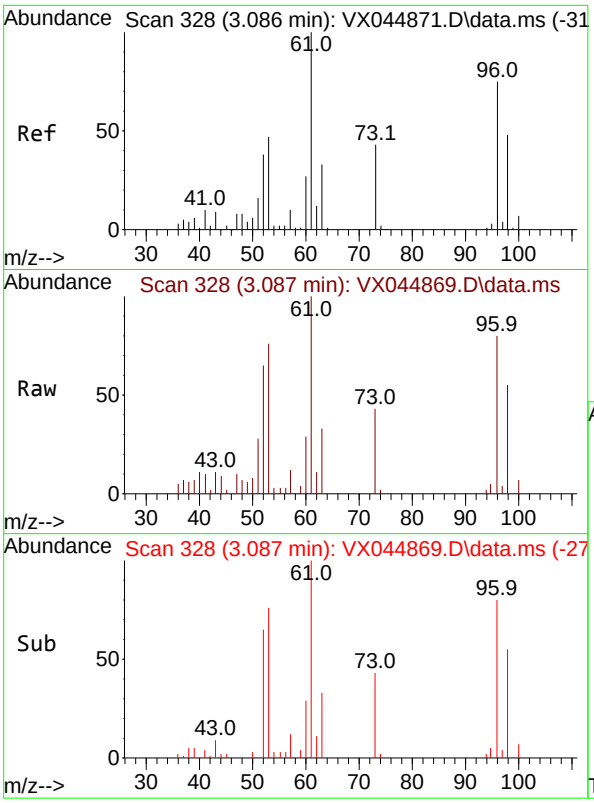


#20
Methylene Chloride
Concen: 4.973 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 84 Resp: 9757

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





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

Tgt Ion: 96 Resp: 847

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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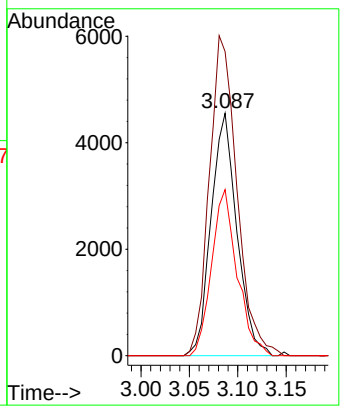
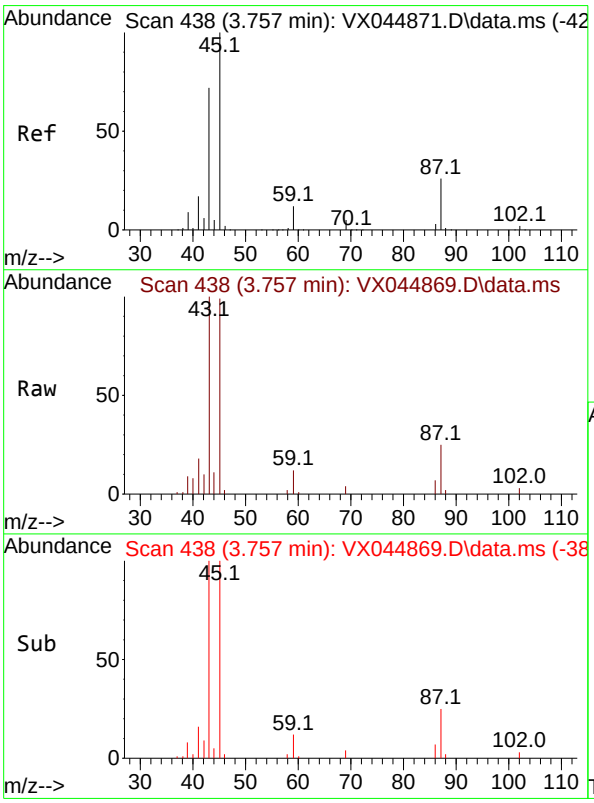
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

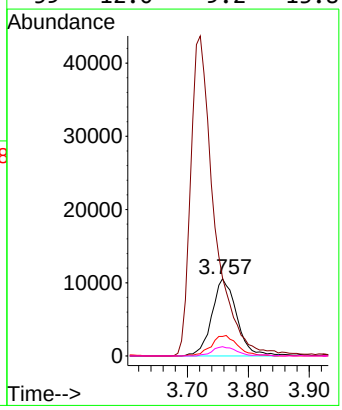


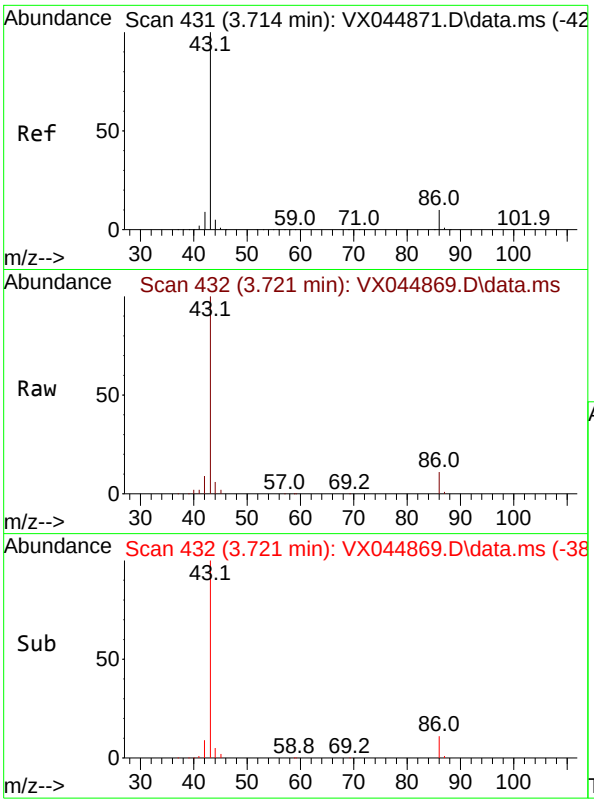


#22
Diisopropyl ether
Concen: 4.963 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 45 Resp: 29768

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





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

Tgt Ion: 43 Resp: 11910

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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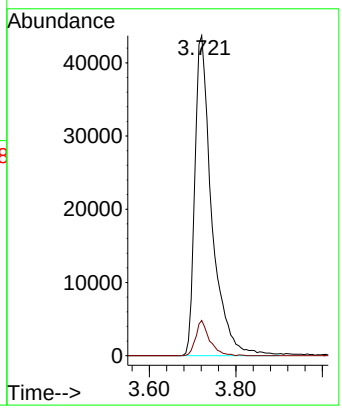
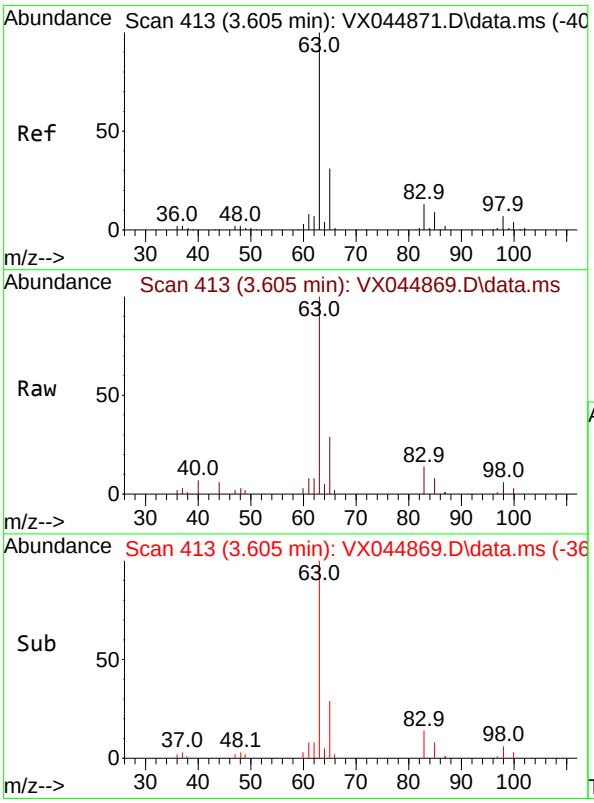
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

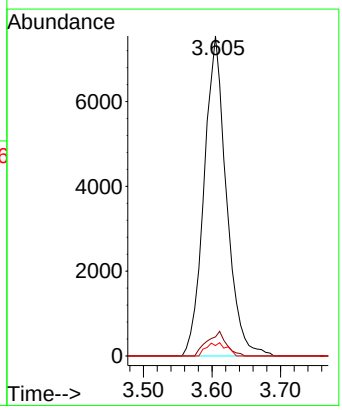


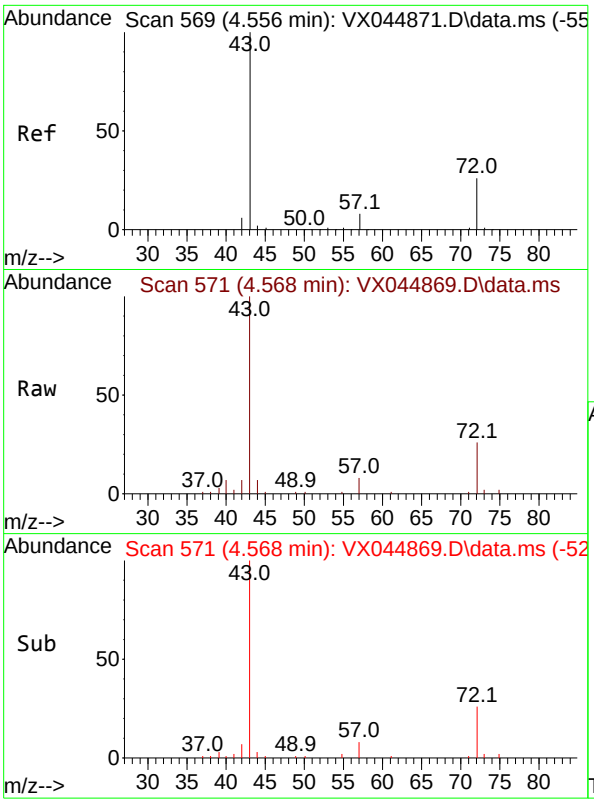


#24
1,1-Dichloroethane
Concen: 5.099 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 17113

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





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

Tgt Ion: 43 Resp: 3212

Ion	Ratio	Lower	Upper
43	100		
72	25.7	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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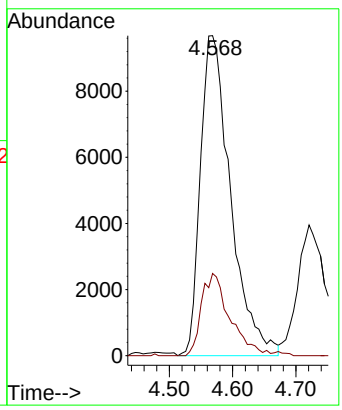
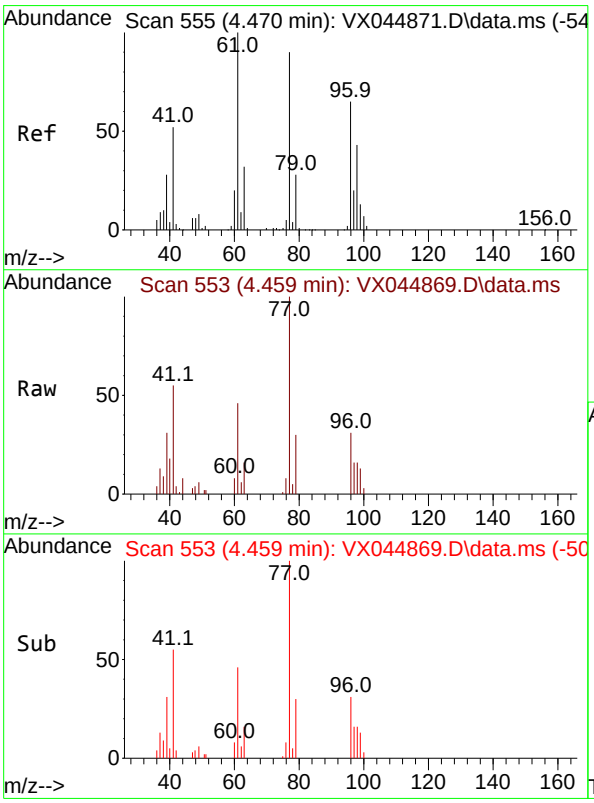
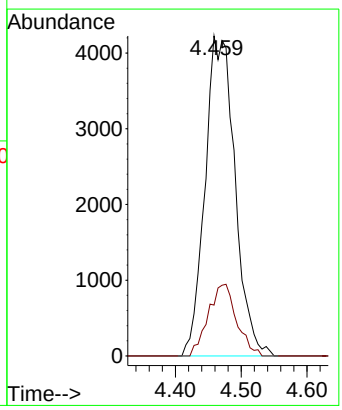


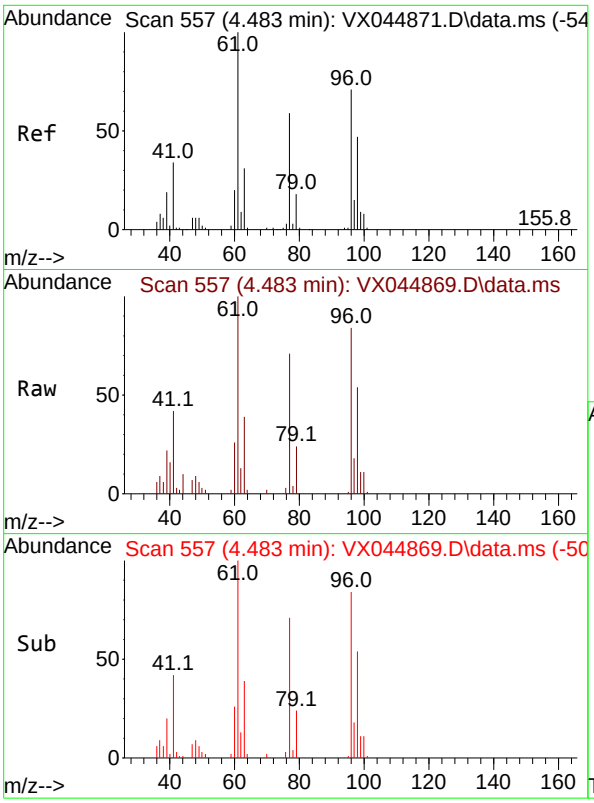


#26
2,2-Dichloropropane
Concen: 5.022 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.012 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 77 Resp: 13365

Ion	Ratio	Lower	Upper
77	100		
97	21.2	11.8	35.3





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

Tgt Ion: 96 Resp: 1066

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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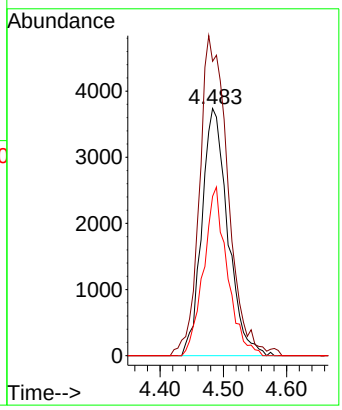
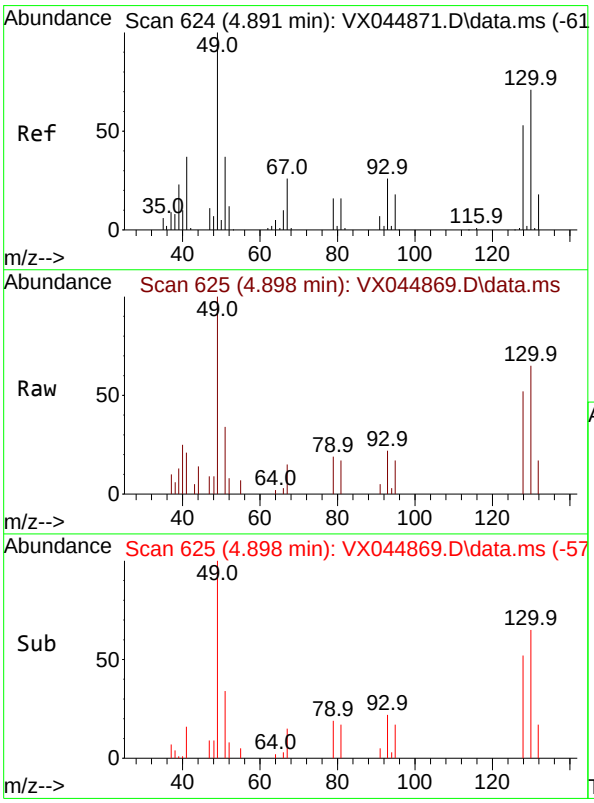
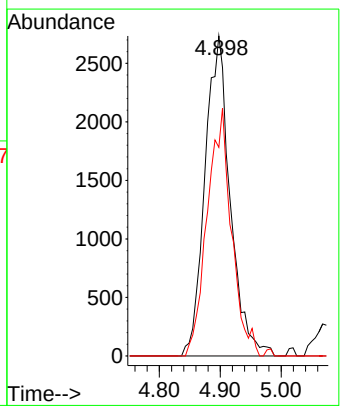


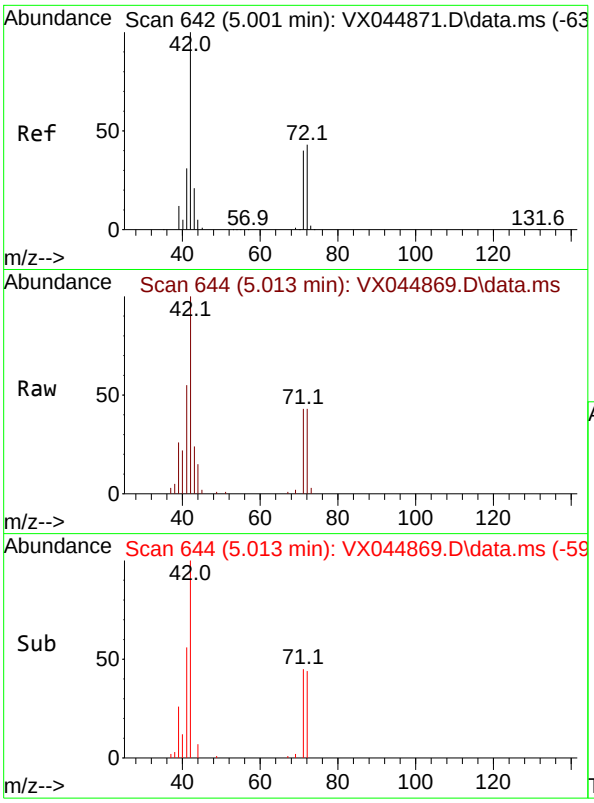


#28
Bromochloromethane
Concen: 4.886 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 49 Resp: 7881

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





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

Tgt Ion: 42 Resp: 2109

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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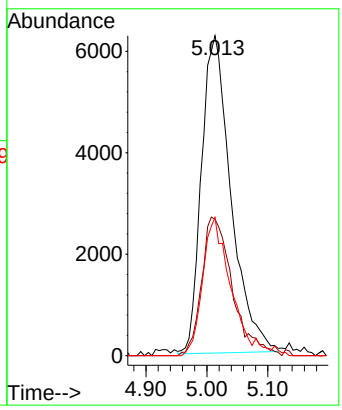
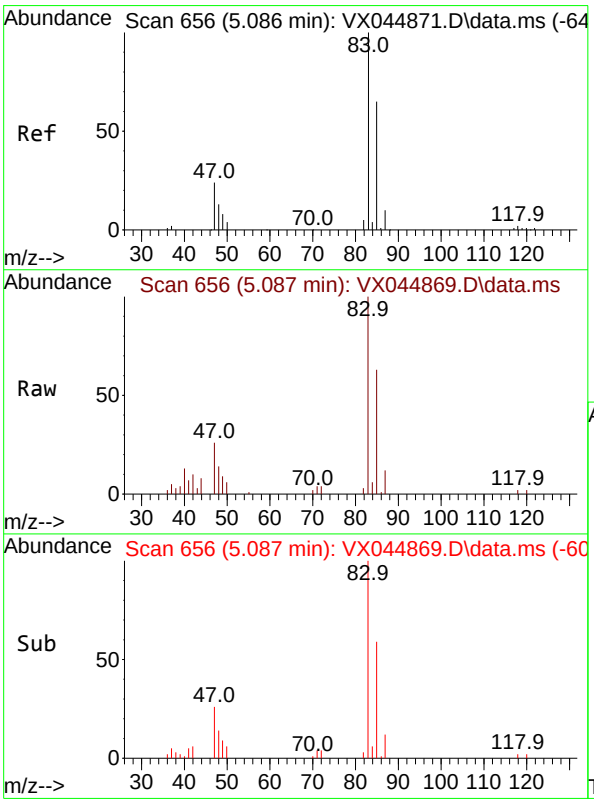
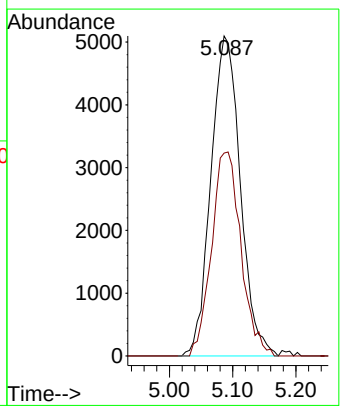


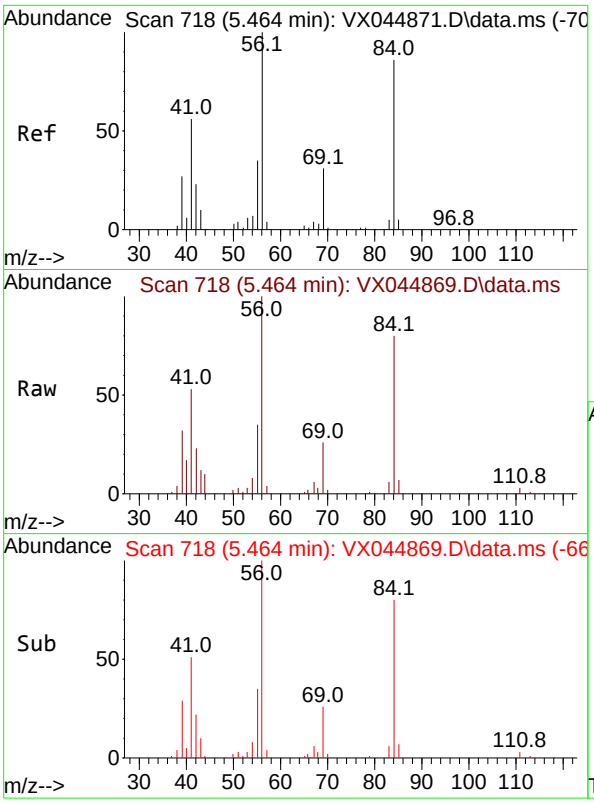


#30
Chloroform
Concen: 5.054 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 83 Resp: 16449

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.1	78.1





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

Tgt Ion: 56 Resp: 1570

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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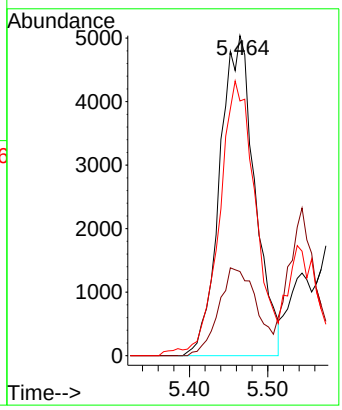
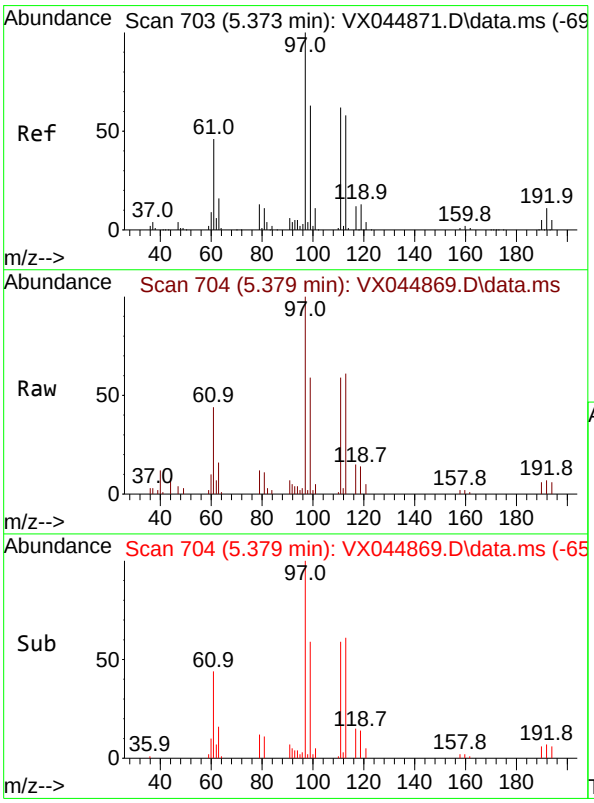
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

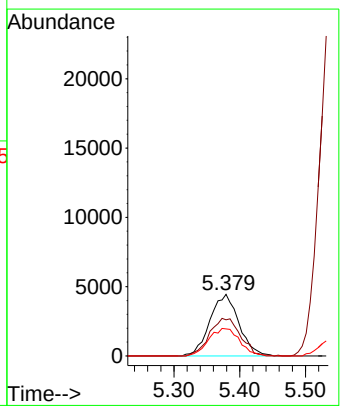


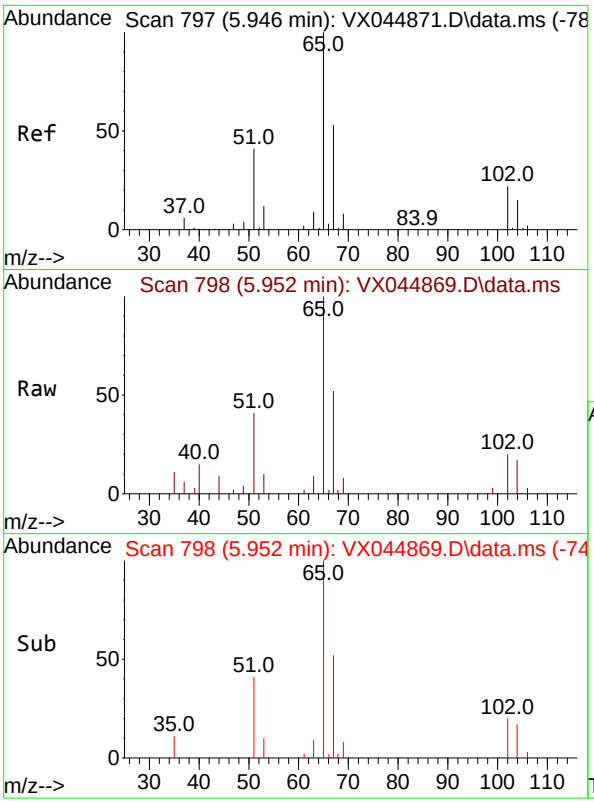


#32
1,1,1-Trichloroethane
Concen: 4.947 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 97 Resp: 13658

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





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

Tgt Ion: 65 Resp: 1039

Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	108.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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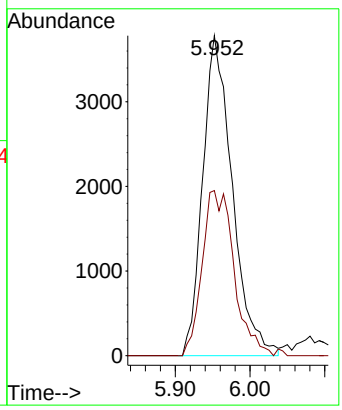
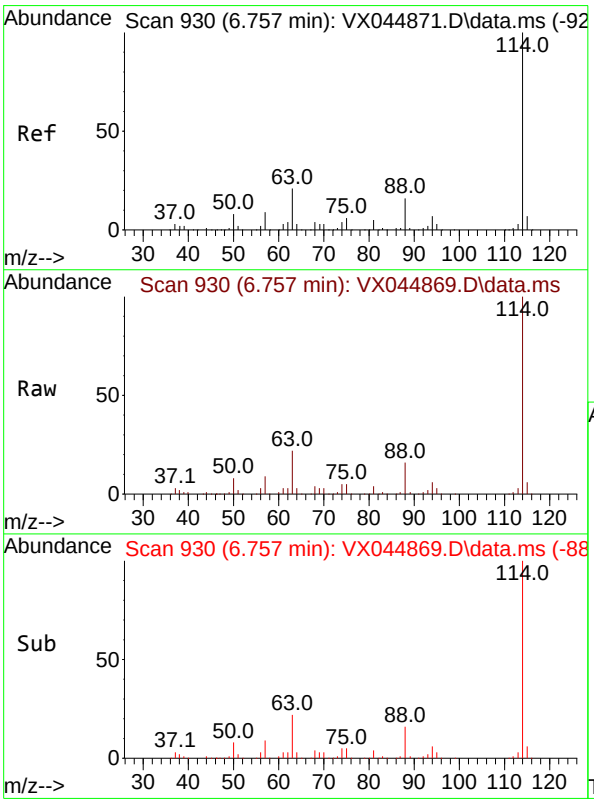
Supervised By :Mahesh Dadoda 02/11/2025

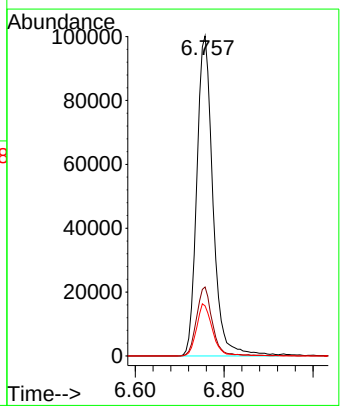


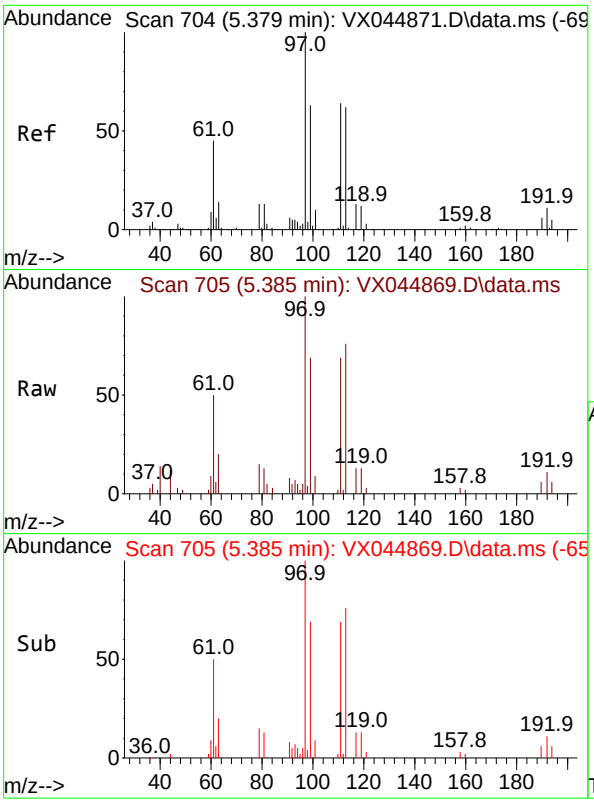


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:114 Resp: 253314

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





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

Tgt Ion:113 Resp: 848

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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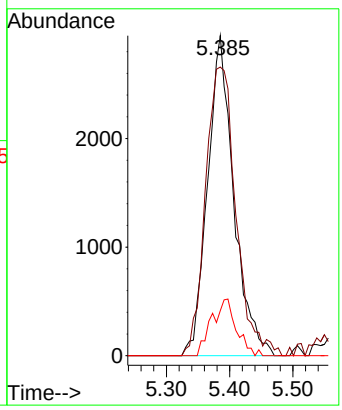
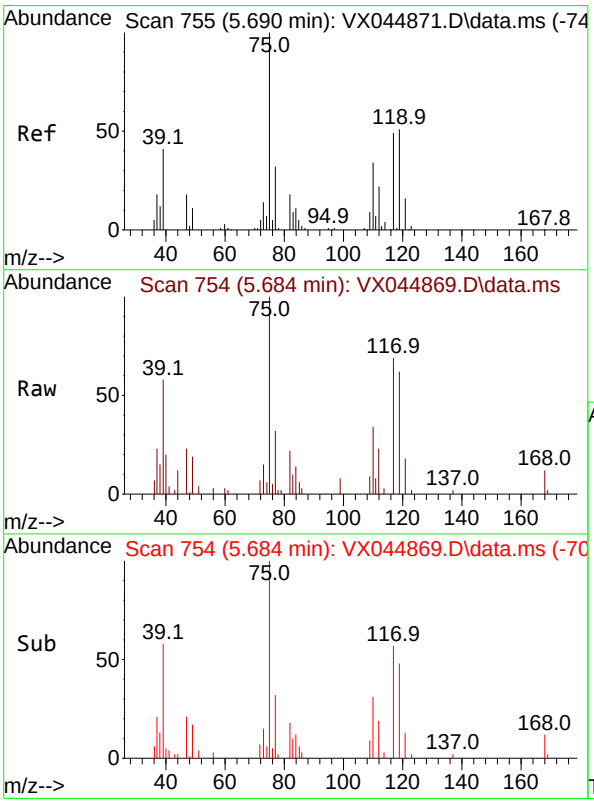
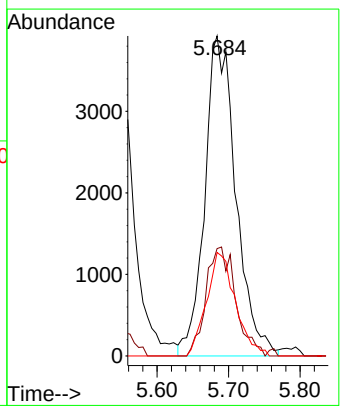


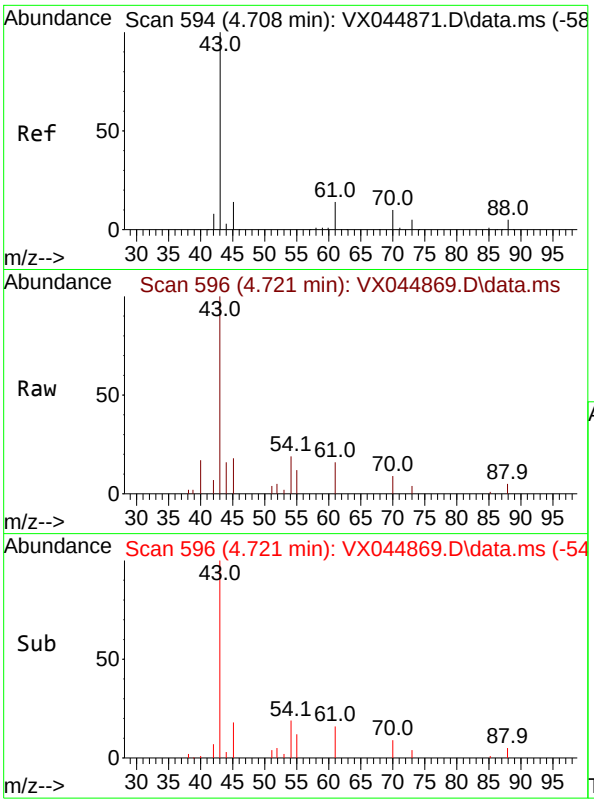


#36
1,1-Dichloropropene
Concen: 4.981 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 11835

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





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

Tgt Ion: 43 Resp: 1353

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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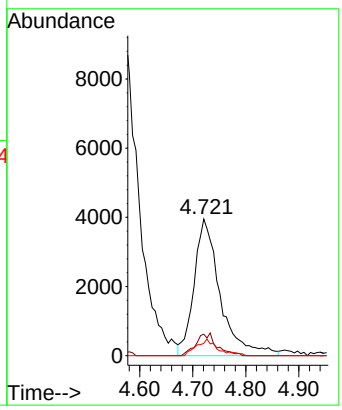
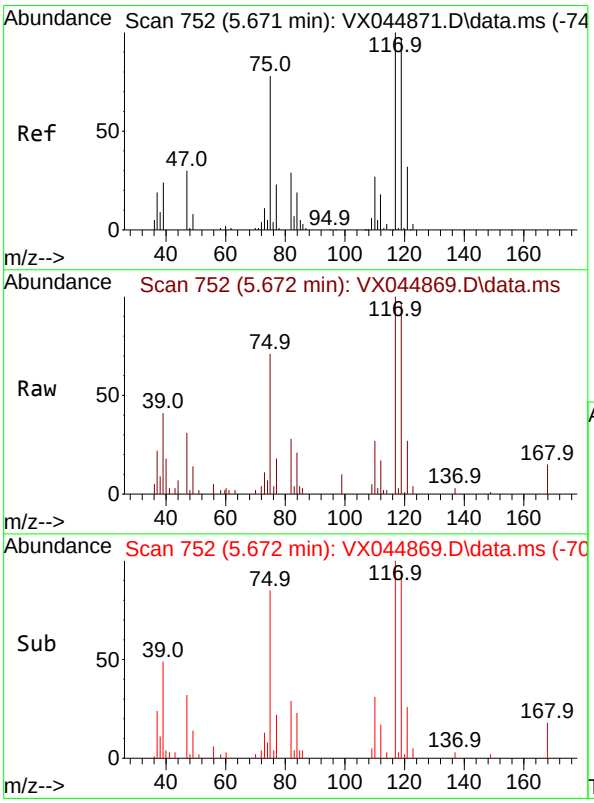
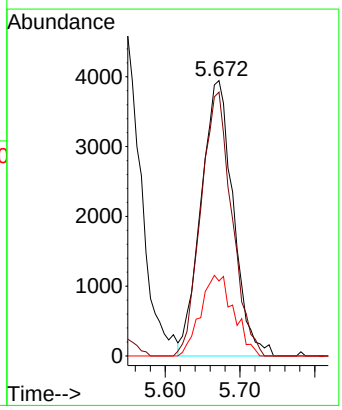


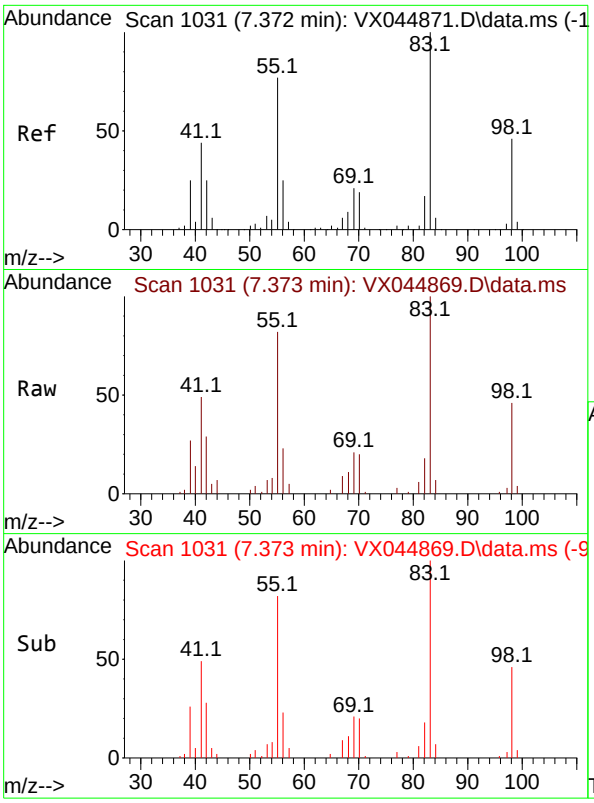


#38
Carbon Tetrachloride
Concen: 5.066 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:117 Resp: 11797

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





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

Tgt Ion: 83 Resp: 1447

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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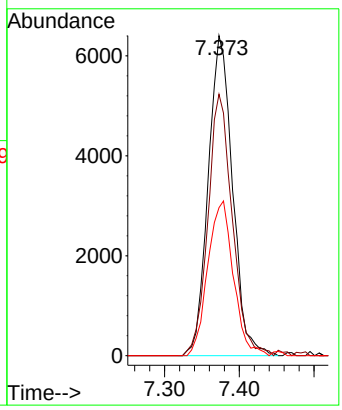
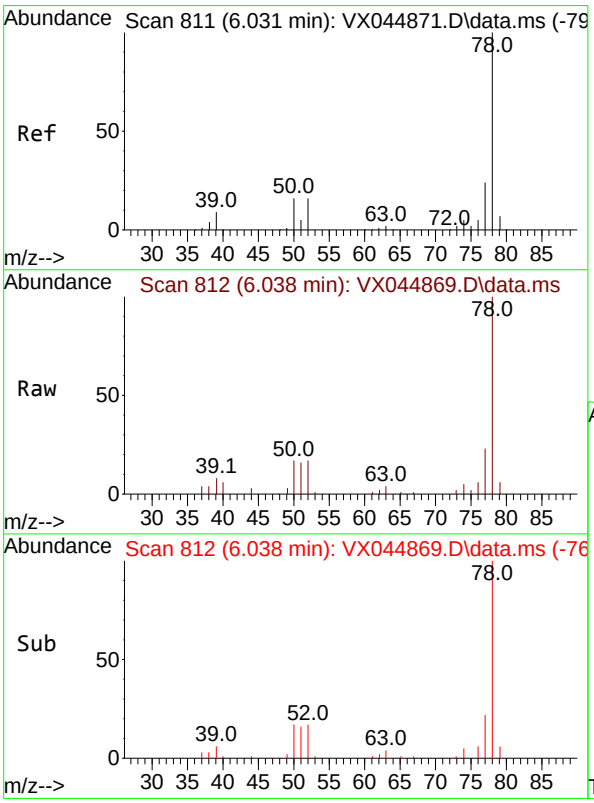
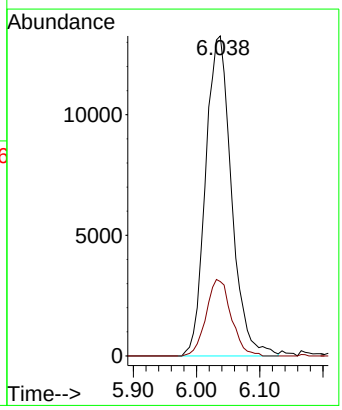


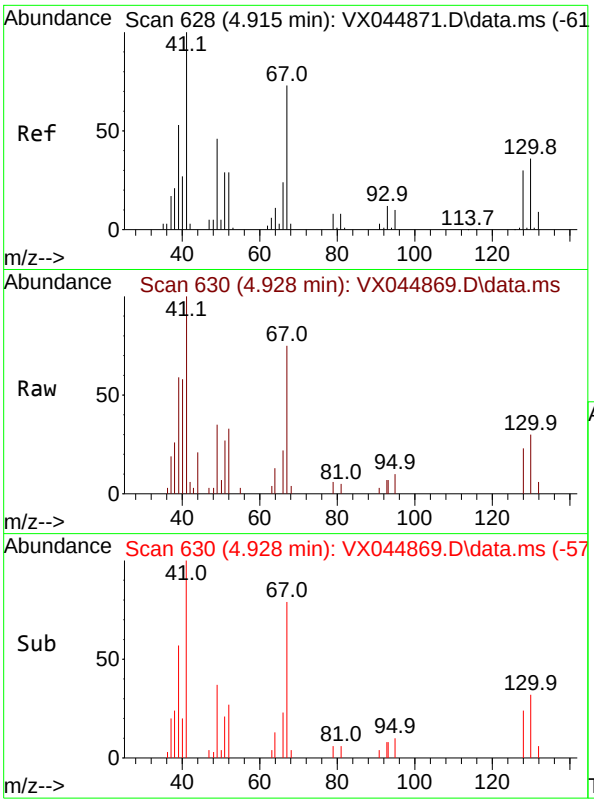


#40
Benzene
Concen: 5.079 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 78 Resp: 37687

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 664

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

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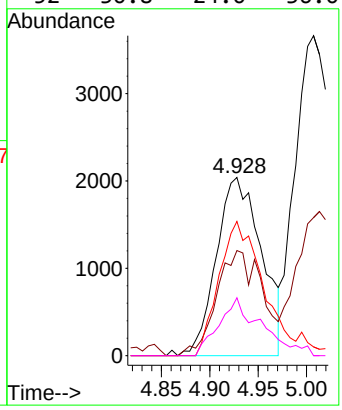
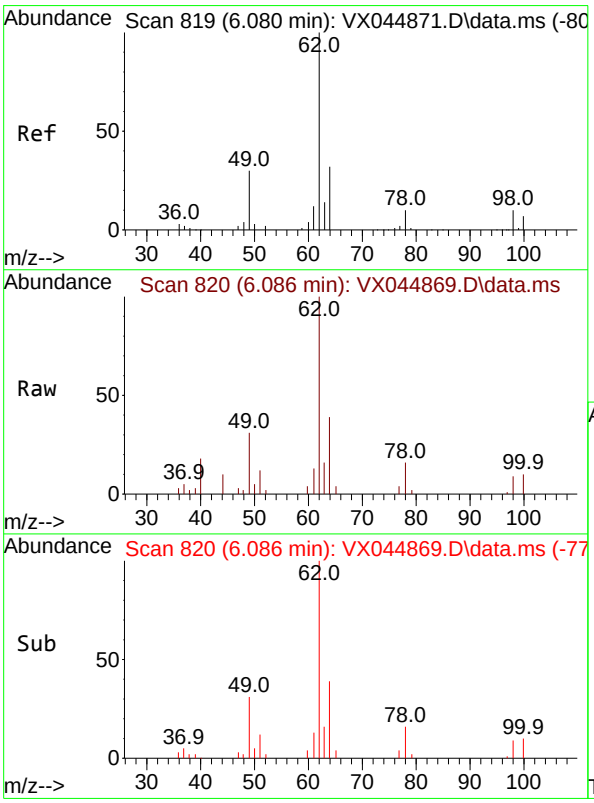
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

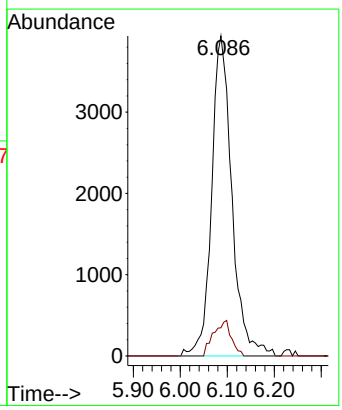


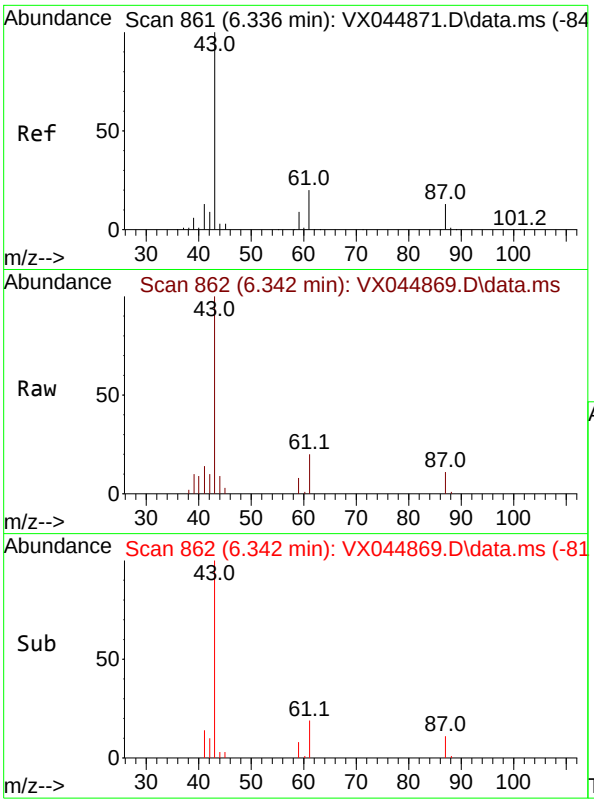


#42
1,2-Dichloroethane
Concen: 4.985 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11789

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





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

Tgt Ion: 43 Resp: 1980

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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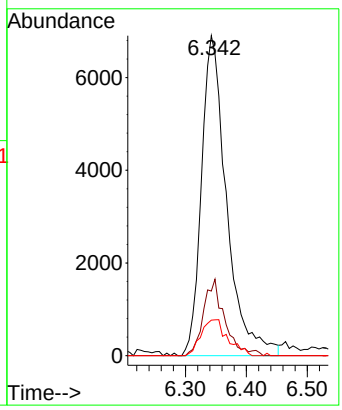
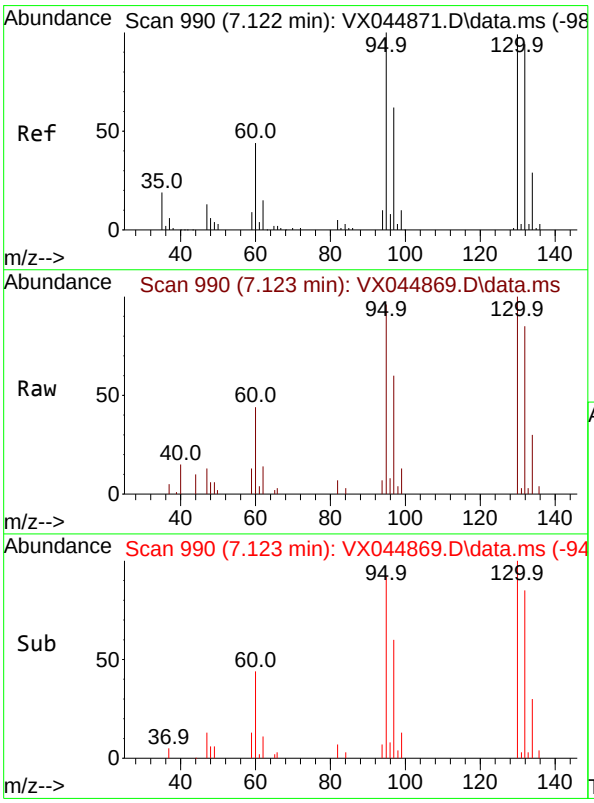
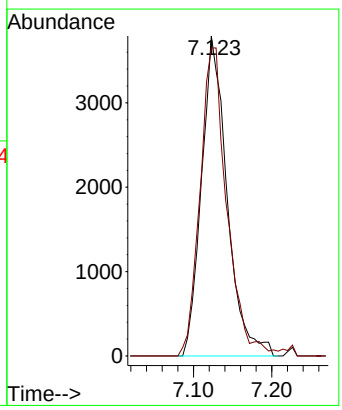


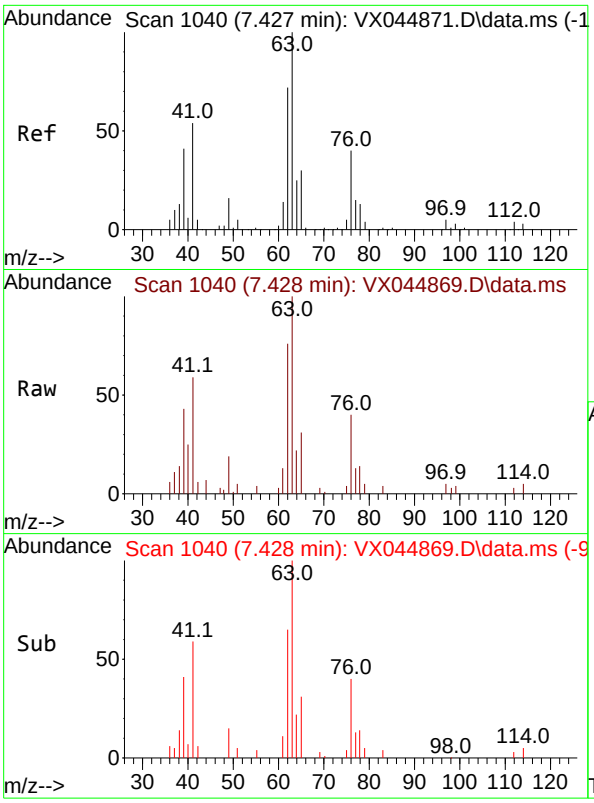


#44
Trichloroethene
Concen: 5.079 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:130 Resp: 8614

Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.4





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

Tgt Ion: 63 Resp: 897(

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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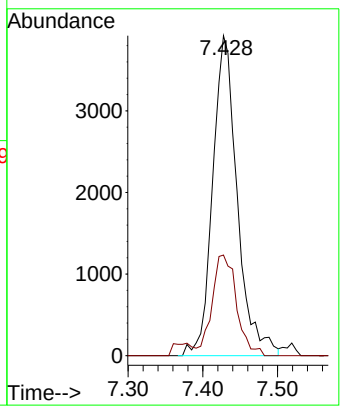
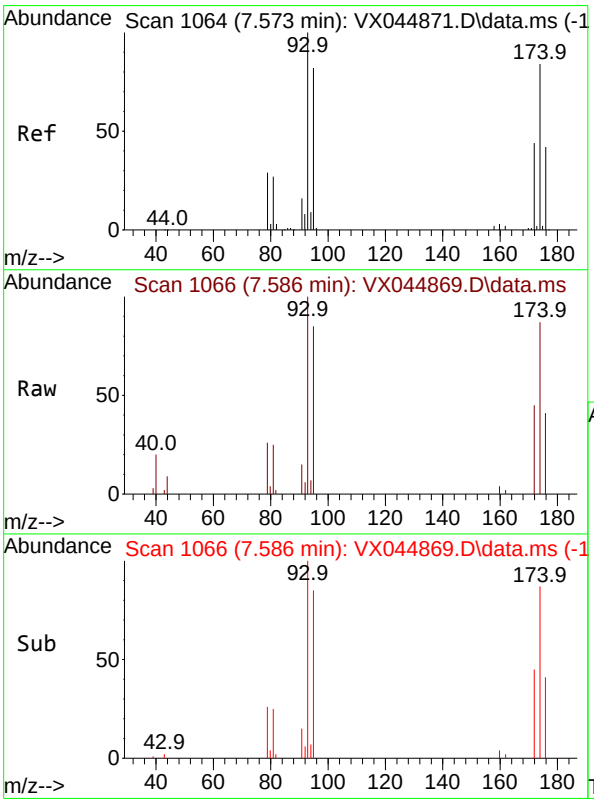
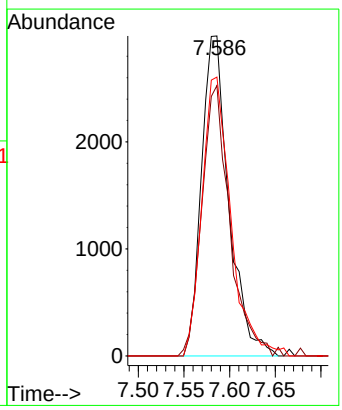


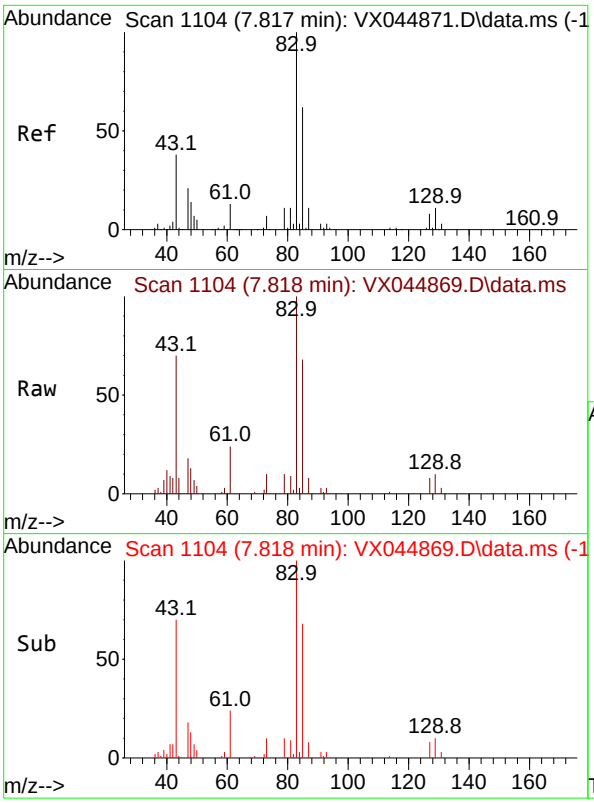


#46
Dibromomethane
Concen: 4.851 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 93 Resp: 6210

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





#47
Bromodichloromethane
Concen: 4.911 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 83 Resp: 1217

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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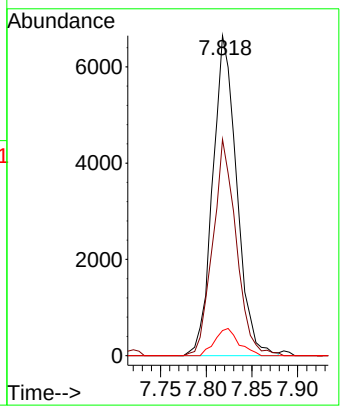
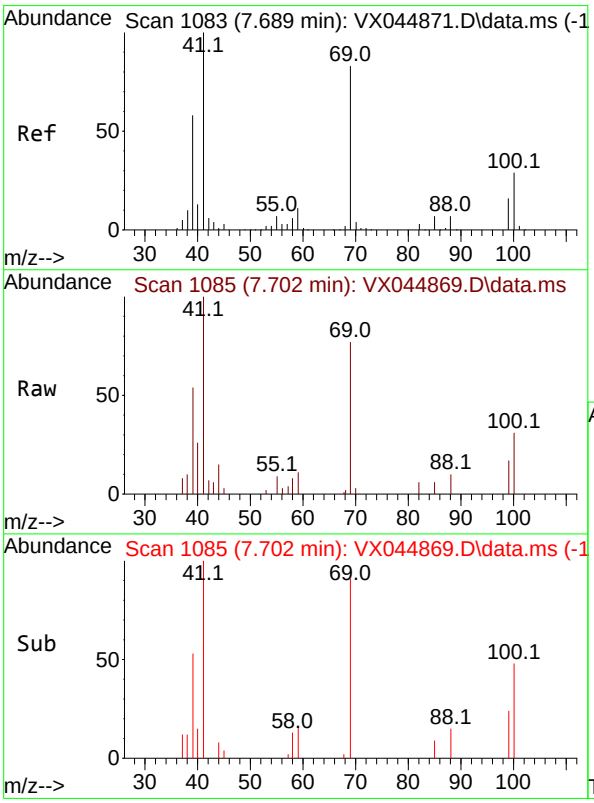
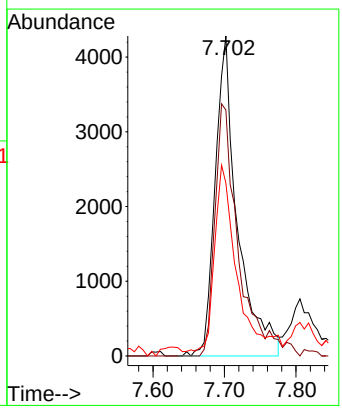


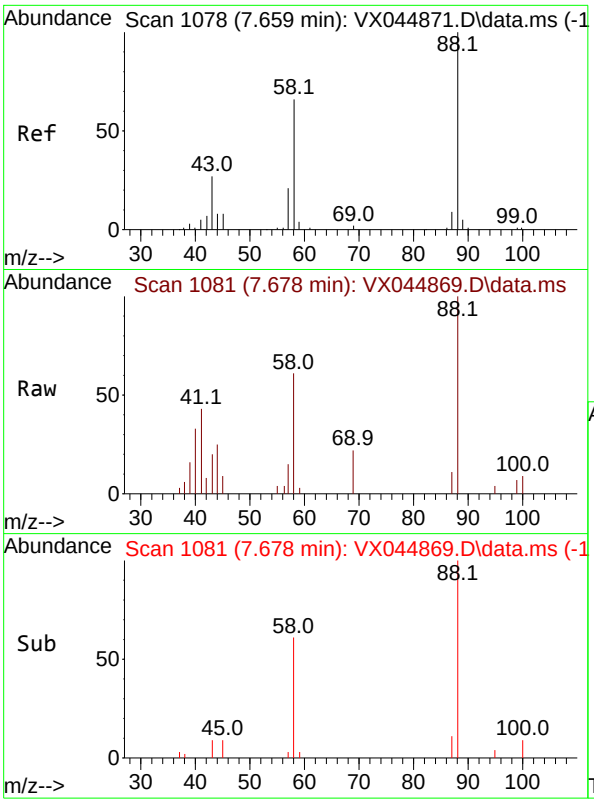


#48
Methyl methacrylate
Concen: 4.620 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 9298

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





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

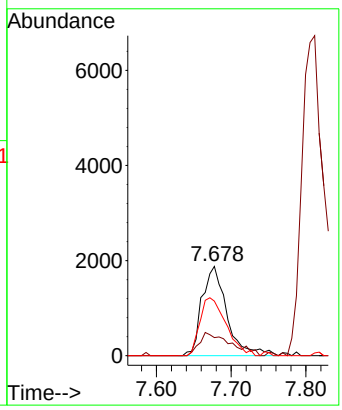
Tgt Ion: 88 Resp: 436!

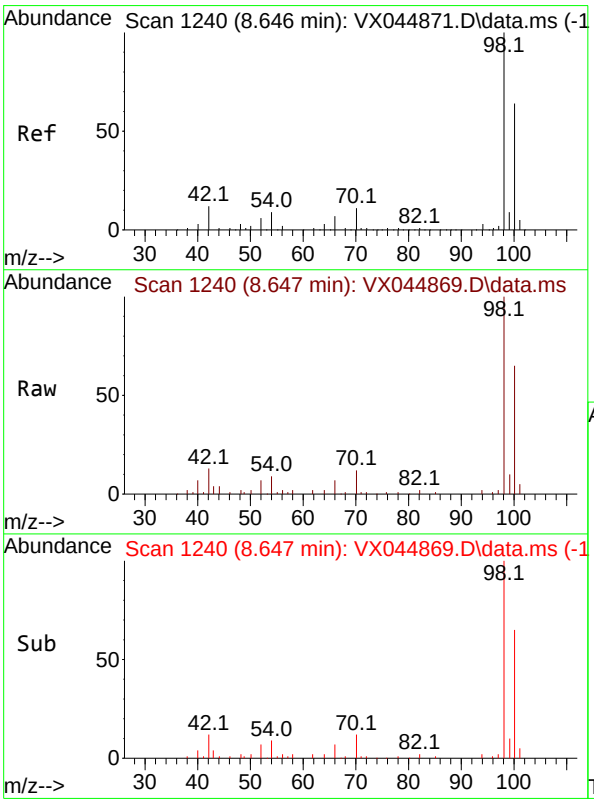
Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.6	39.8
58	67.9	55.9	83.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

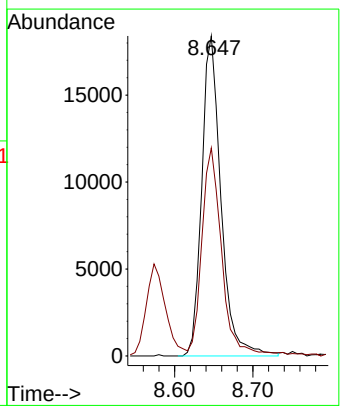


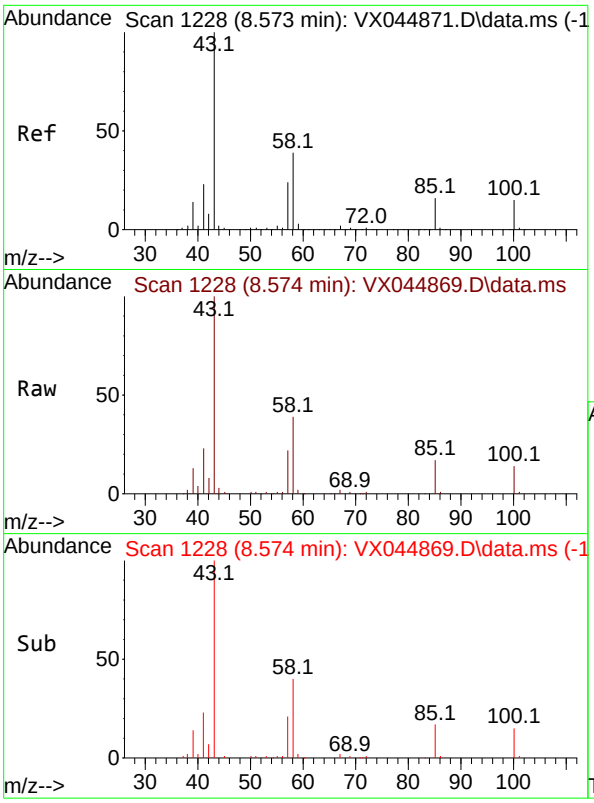


#50
Toluene-d8
Concen: 5.039 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 98 Resp: 31381

Ion	Ratio	Lower	Upper
98	100		
100	67.8	52.7	79.1





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

Tgt Ion: 43 Resp: 6506

Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.8	46.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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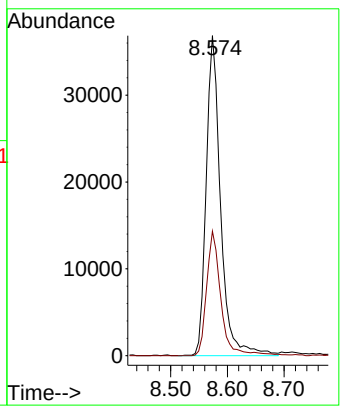
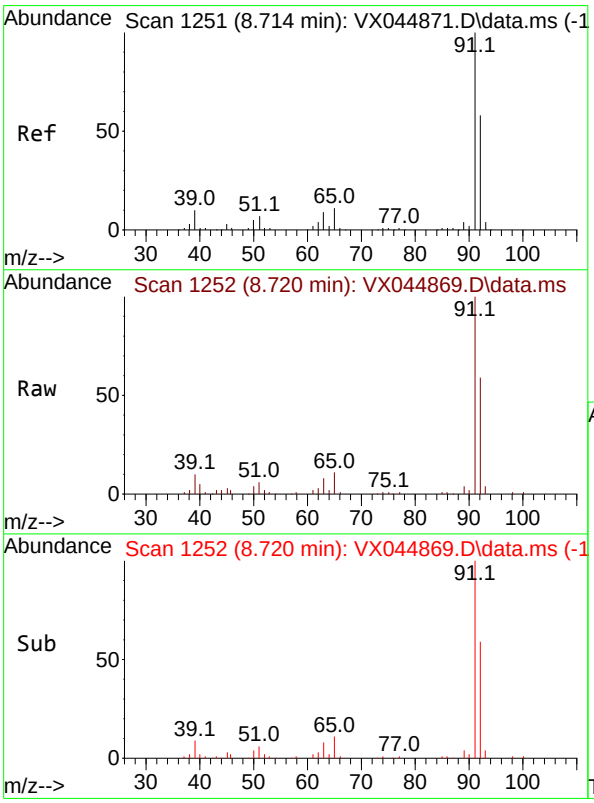
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

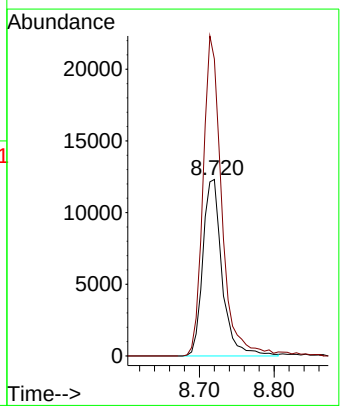


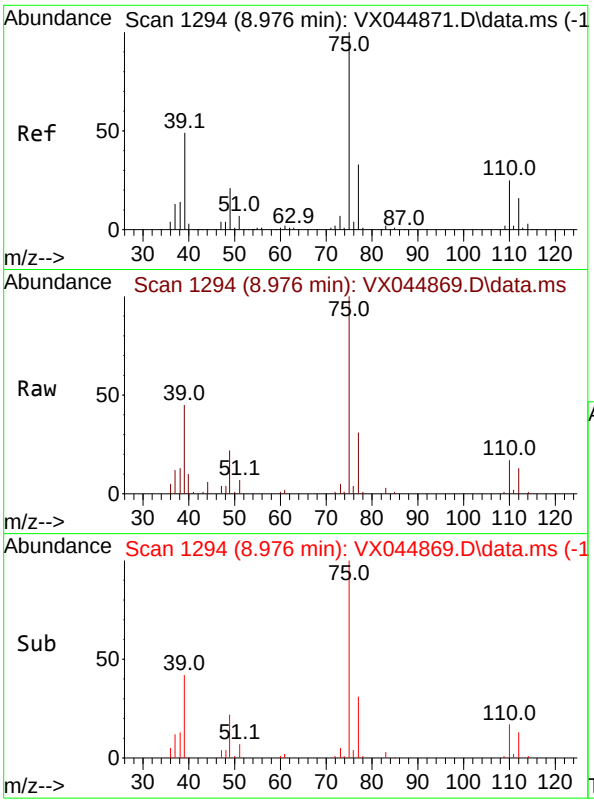


#52
Toluene
Concen: 4.999 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 92 Resp: 22090

Ion	Ratio	Lower	Upper
92	100		
91	177.1	137.4	206.2





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

Tgt Ion: 75 Resp: 1141

Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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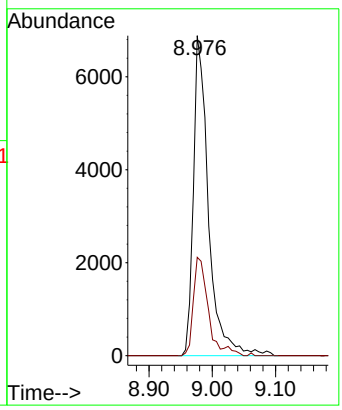
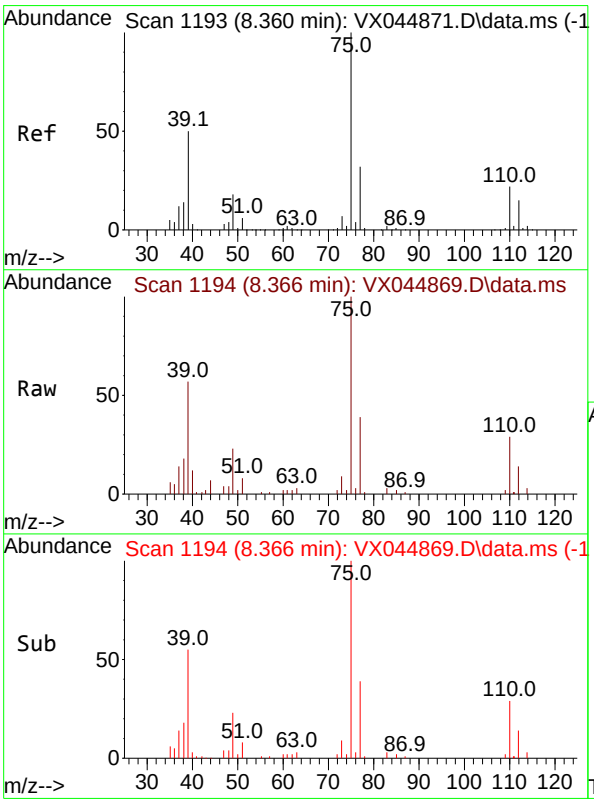
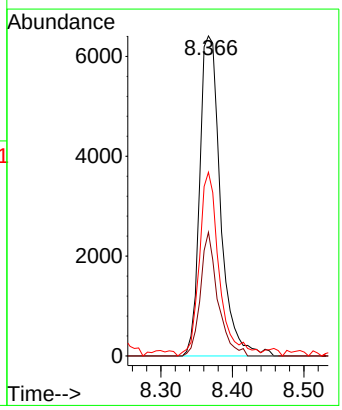


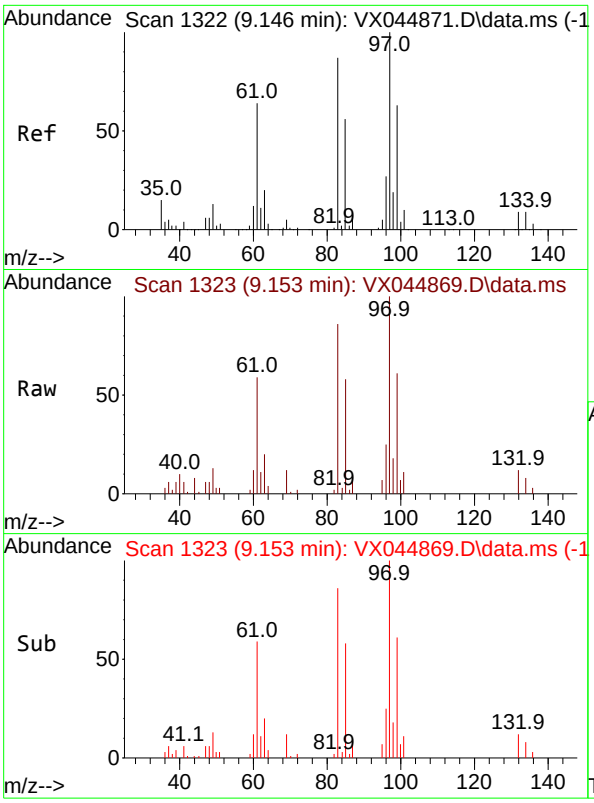


#54
cis-1,3-Dichloropropene
Concen: 4.628 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 12943

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

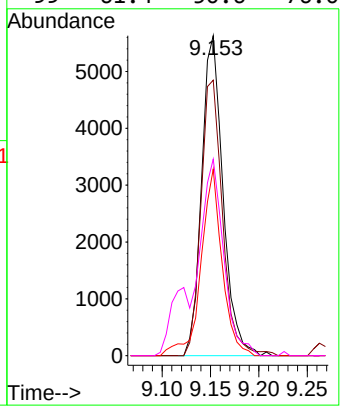




#55
1,1,2-Trichloroethane
Concen: 5.099 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 97 Resp: 866

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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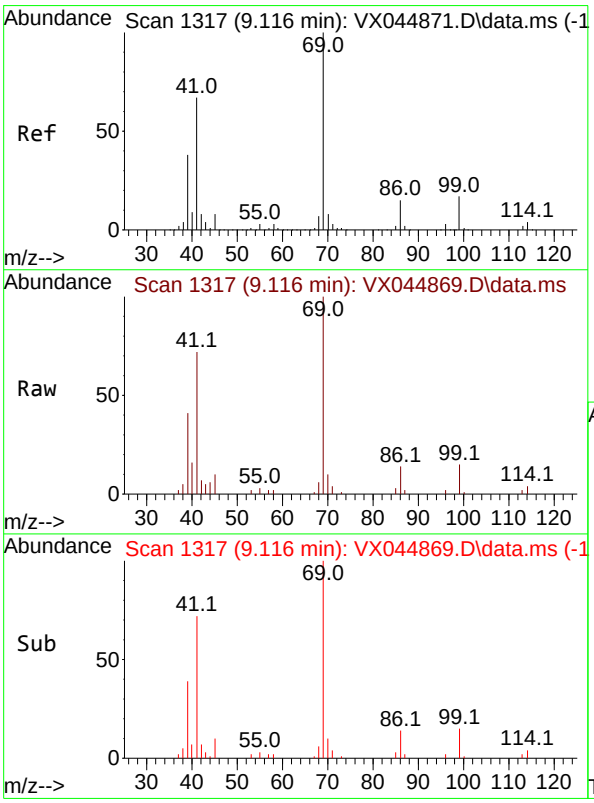
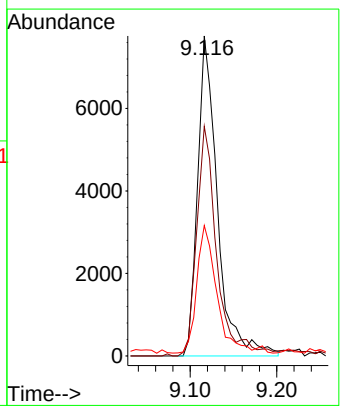
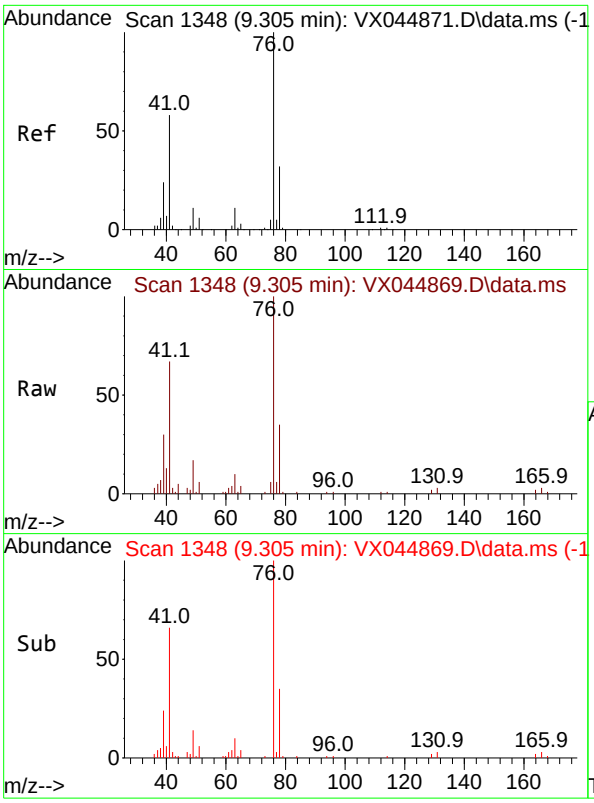


#56
Ethyl methacrylate
Concen: 4.502 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 69 Resp: 12351

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





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

Tgt Ion: 76 Resp: 1483

Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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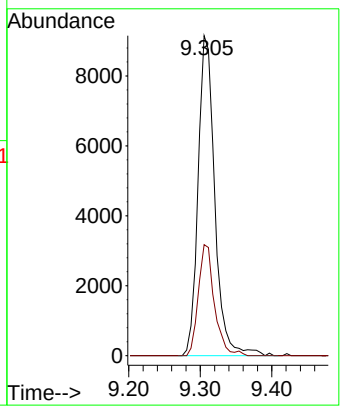
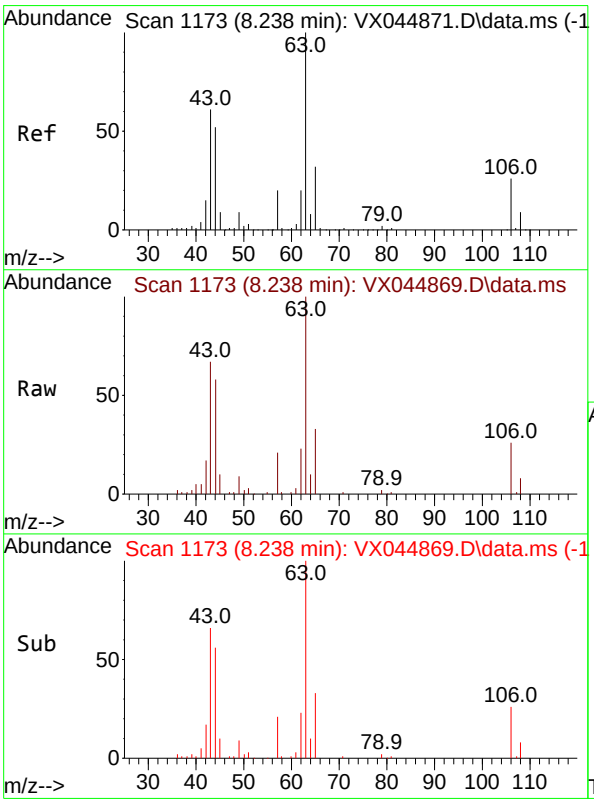
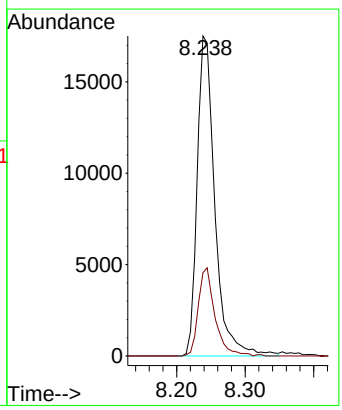


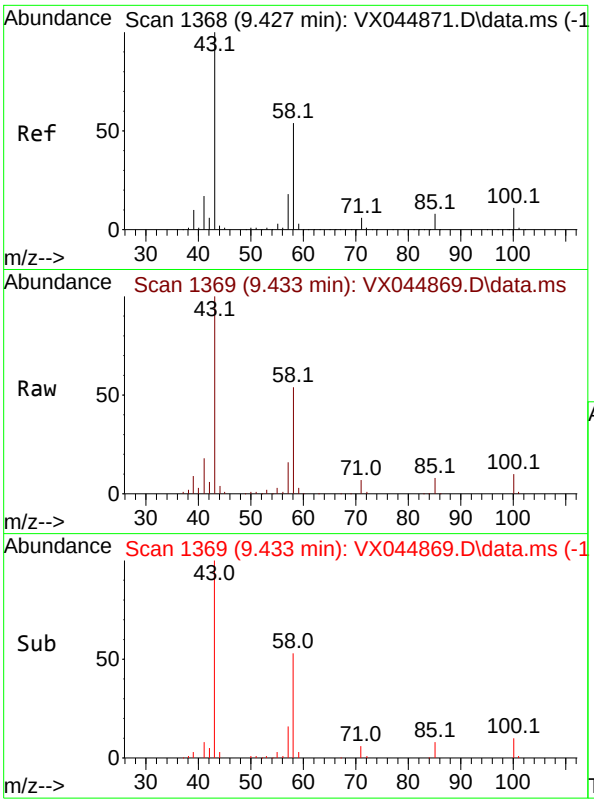


#58
2-Chloroethyl Vinyl ether
Concen: 23.382 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 31498

Ion	Ratio	Lower	Upper
63	100		
106	25.8	21.3	31.9





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

Tgt Ion: 43 Resp: 4553

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.5	82.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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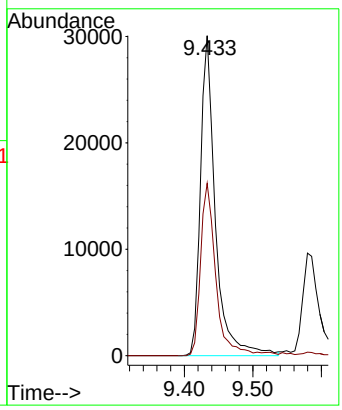
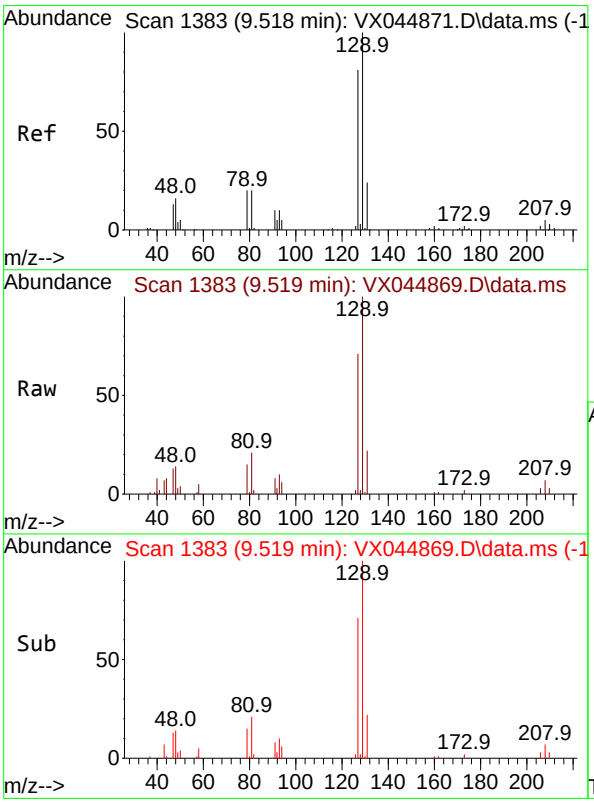
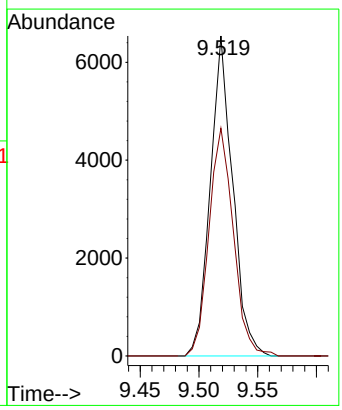


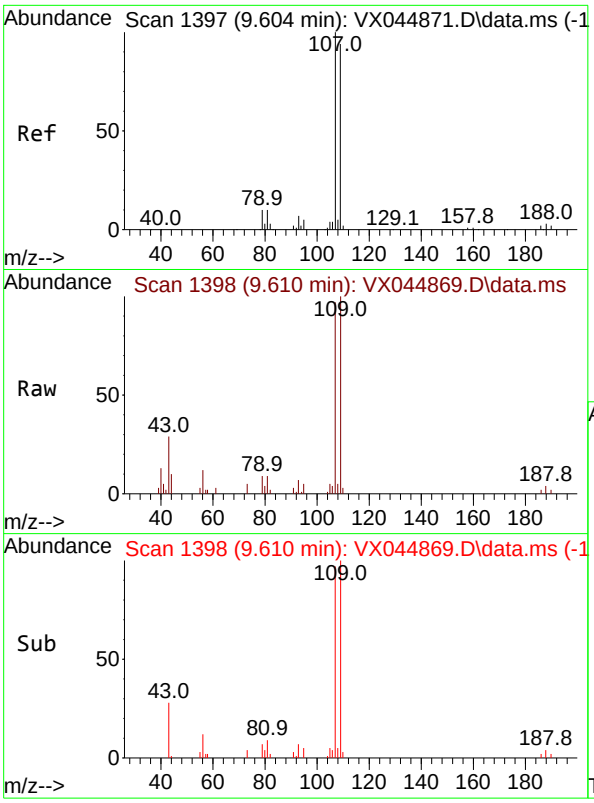


#60
Dibromochloromethane
Concen: 4.771 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:129 Resp: 8668

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.3





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

Tgt Ion:107 Resp: 835

Ion	Ratio	Lower	Upper
107	100		
109	98.8	75.9	113.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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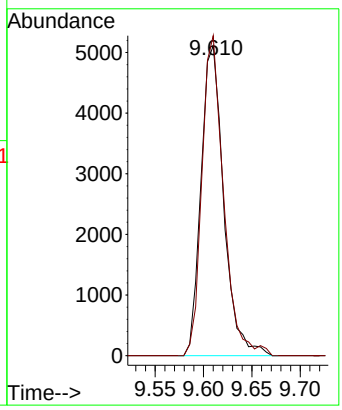
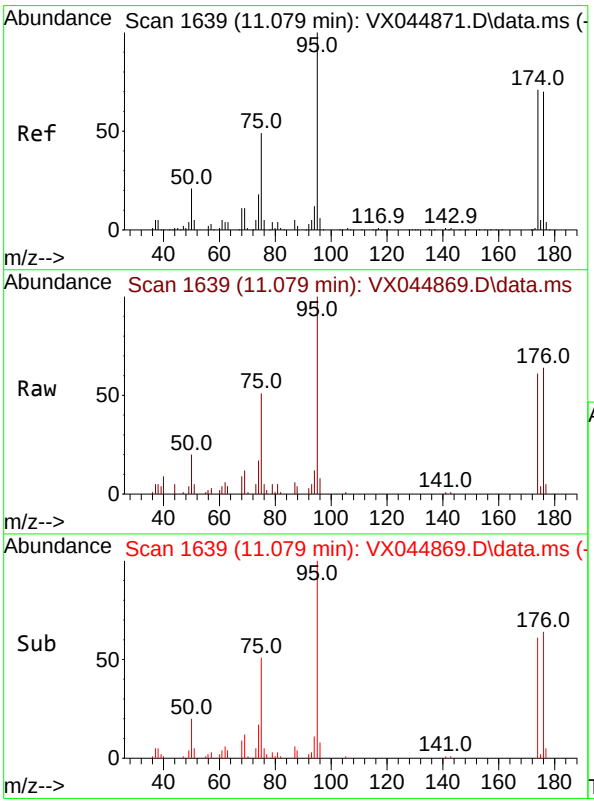
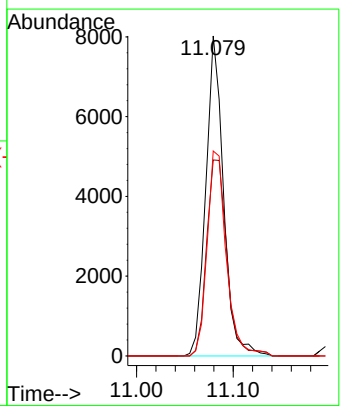


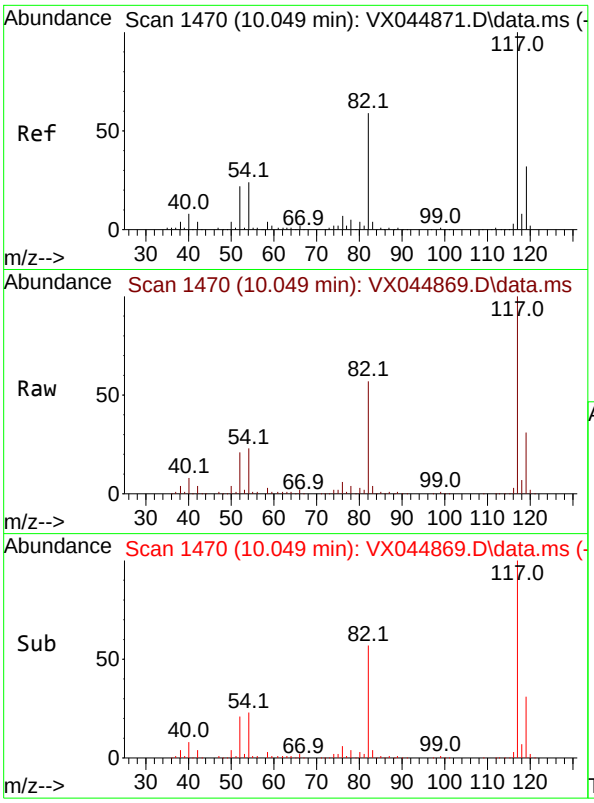


#62
4-Bromofluorobenzene
Concen: 4.872 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 95 Resp: 10229

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





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:117 Resp: 21862

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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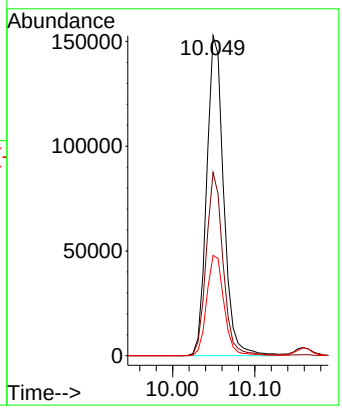
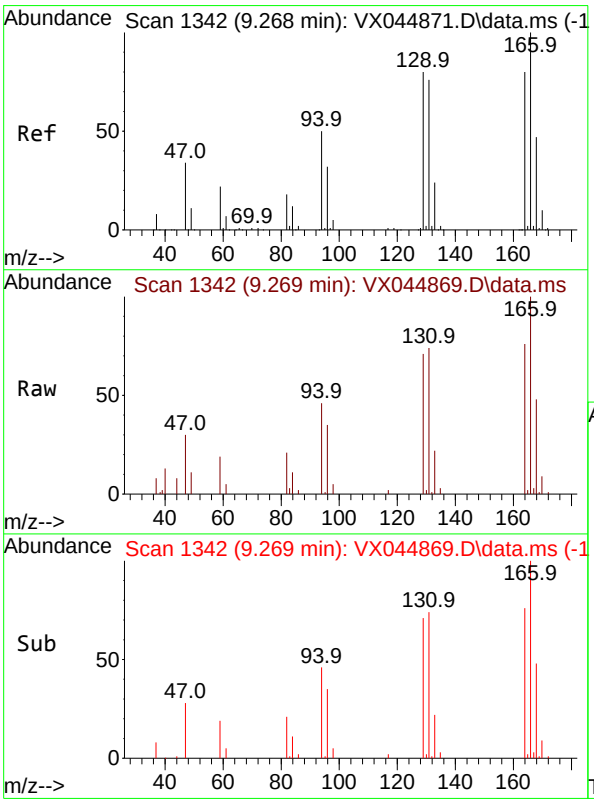
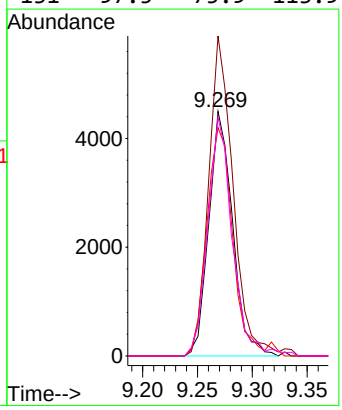


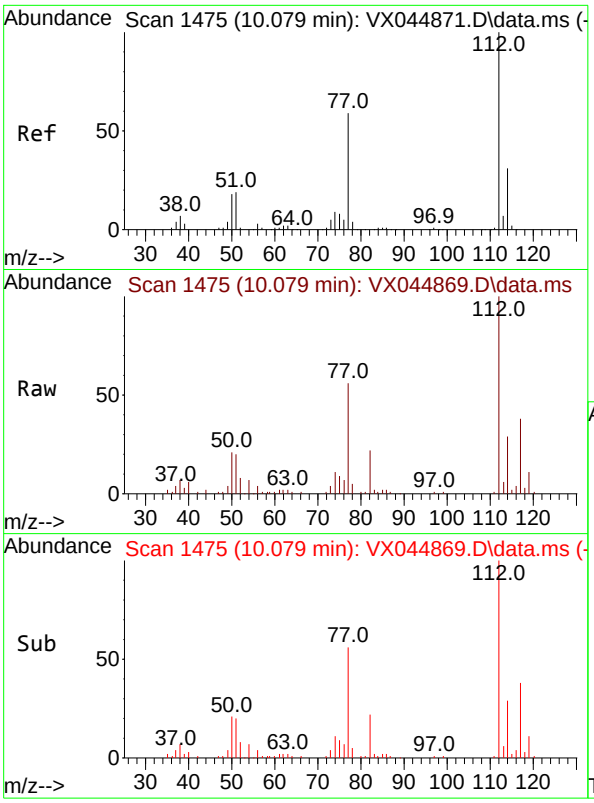


#64
Tetrachloroethene
Concen: 4.934 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:164 Resp: 6803

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





#65
Chlorobenzene
Concen: 5.090 ug/l
RT: 10.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:112 Resp: 2390

Ion	Ratio	Lower	Upper
112	100		
114	29.3	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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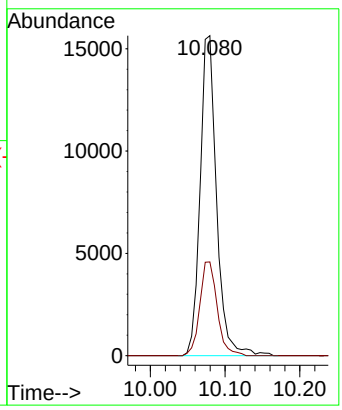
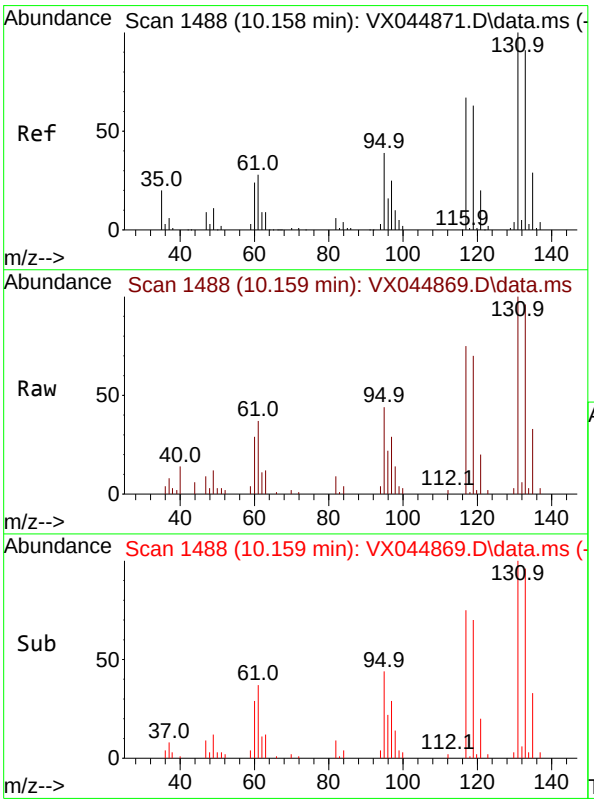
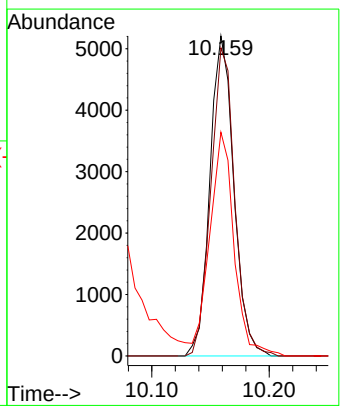


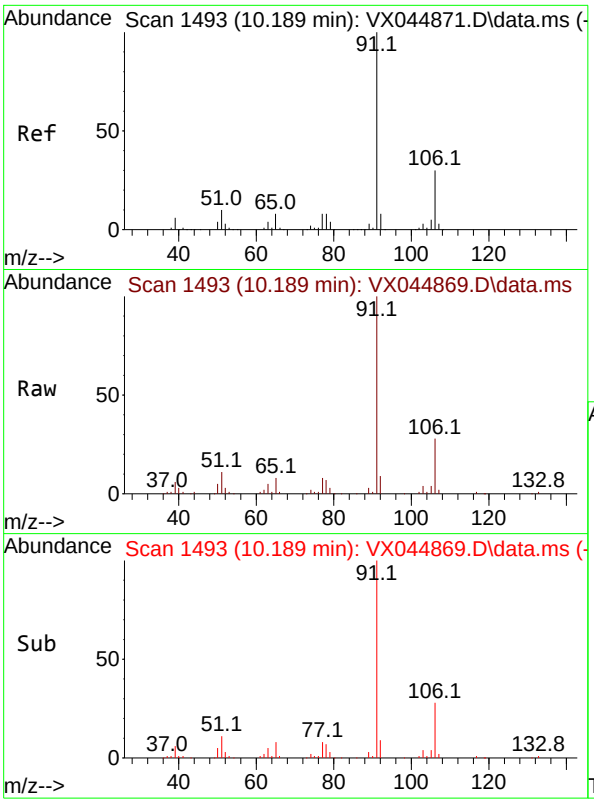


#66
1,1,1,2-Tetrachloroethane
Concen: 4.883 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:131 Resp: 7380

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





#67
Ethyl Benzene
Concen: 4.941 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 4094

Ion	Ratio	Lower	Upper
91	100		
106	28.1	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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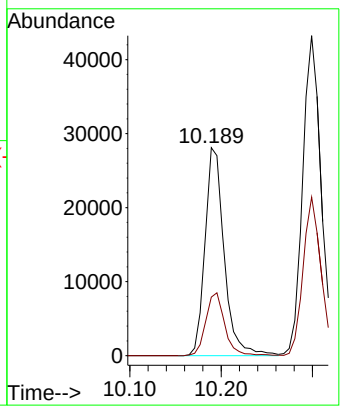
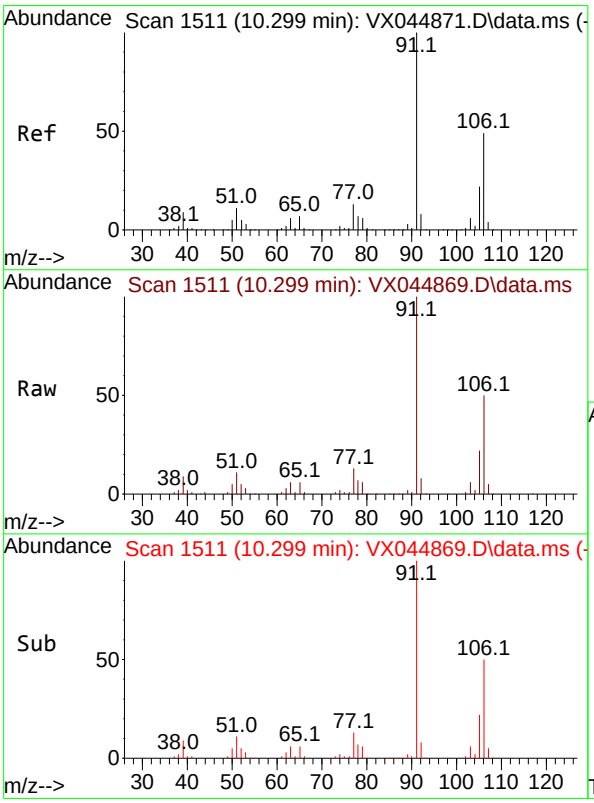
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

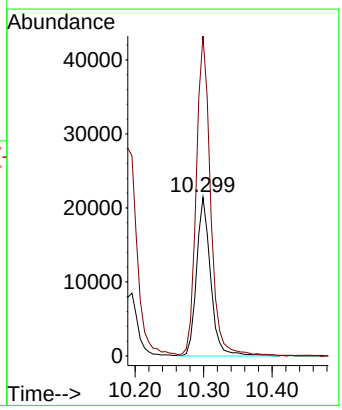


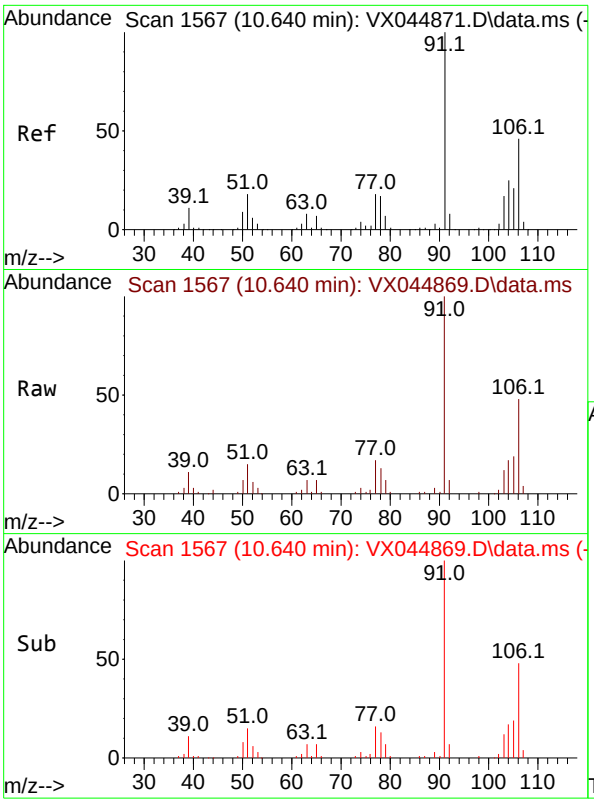


#68
m/p-Xylenes
Concen: 10.019 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:106 Resp: 30627

Ion	Ratio	Lower	Upper
106	100		
91	204.6	164.3	246.5





#69
o-Xylene
Concen: 5.139 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

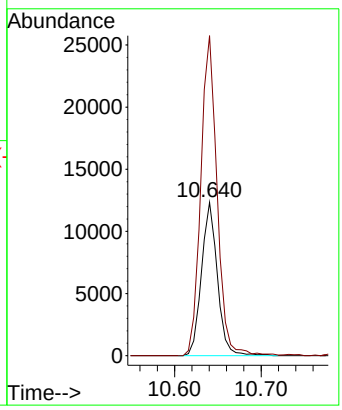
Tgt Ion:106 Resp: 1576

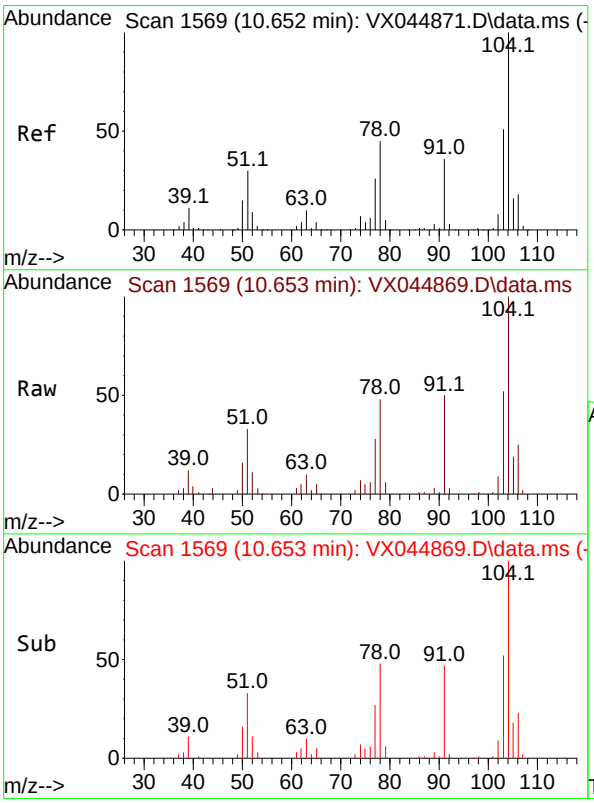
Ion	Ratio	Lower	Upper
106	100		
91	213.9	108.5	325.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

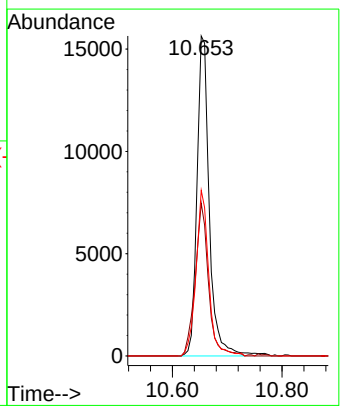


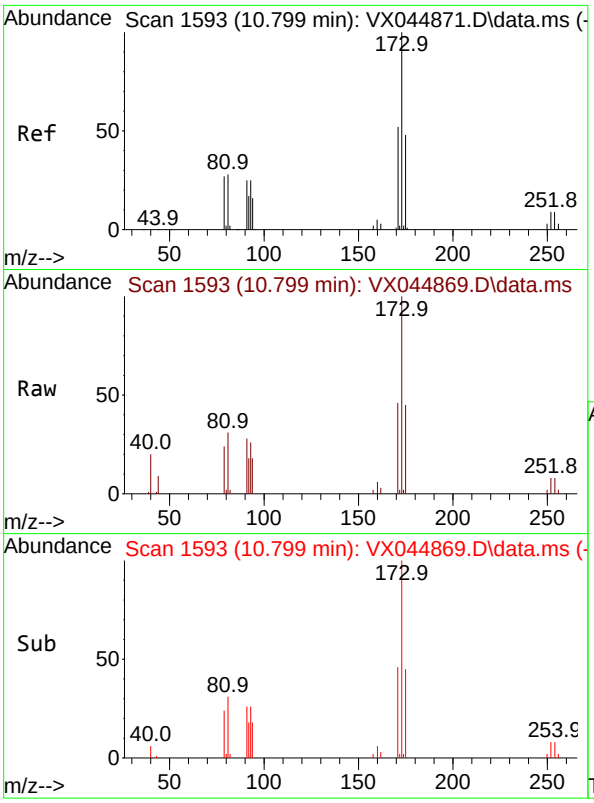


#70
Styrene
Concen: 4.973 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:104 Resp: 24576

Ion	Ratio	Lower	Upper
104	100		
78	51.3	40.5	60.7
103	53.4	43.6	65.4





#71
Bromoform
Concen: 4.779 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:173 Resp: 539

Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.3	72.8
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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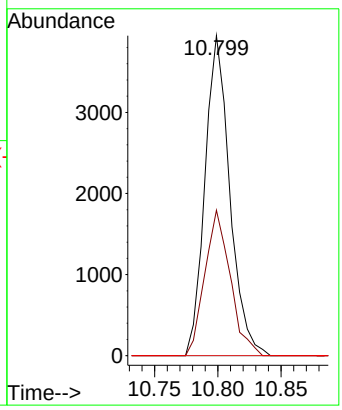
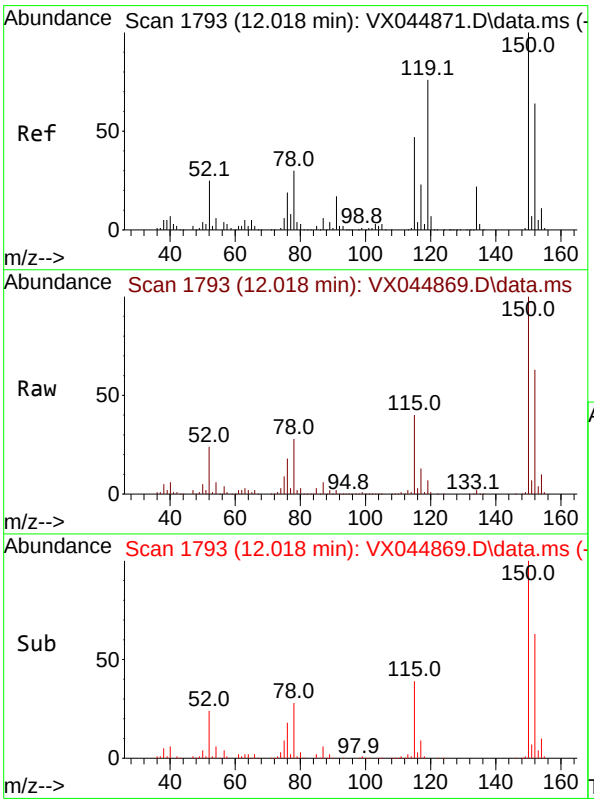
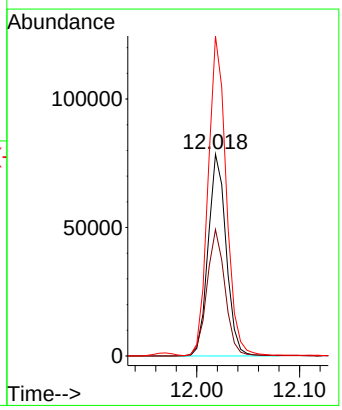


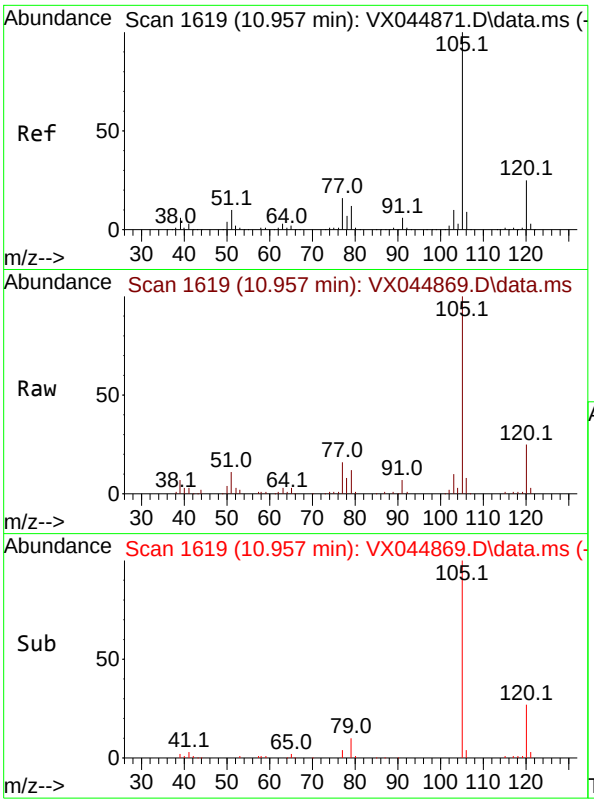


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:152 Resp: 95494

Ion	Ratio	Lower	Upper
152	100		
115	63.3	43.4	130.1
150	159.0	0.0	350.4





#73
Isopropylbenzene
Concen: 4.983 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:105 Resp: 3831!

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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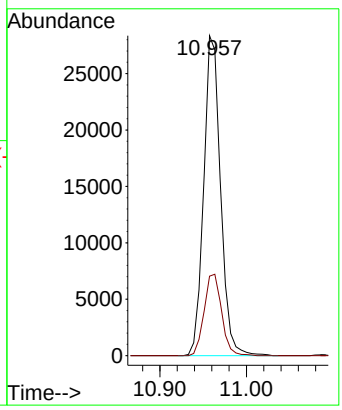
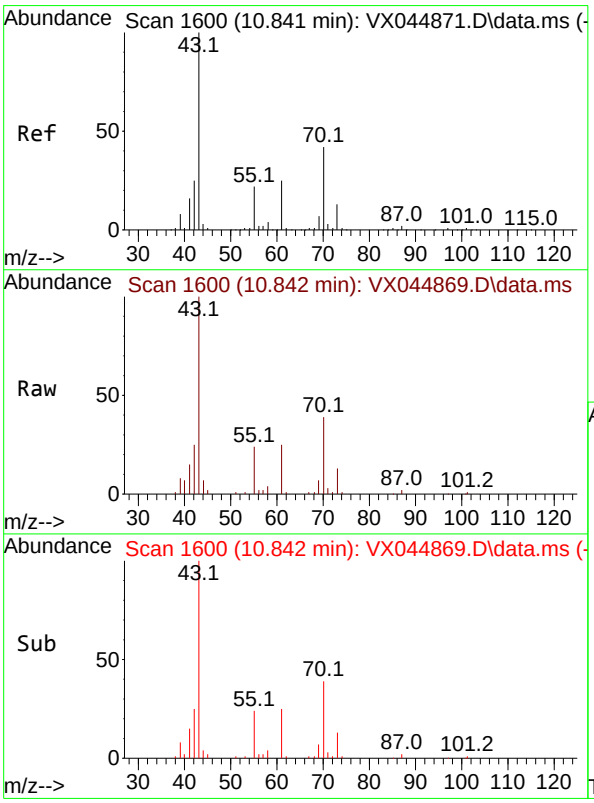
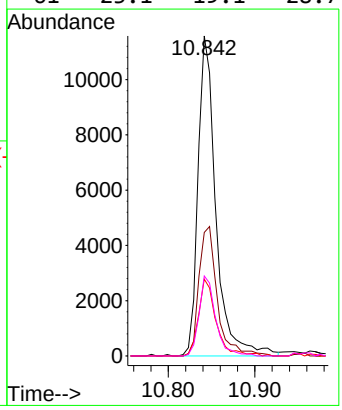


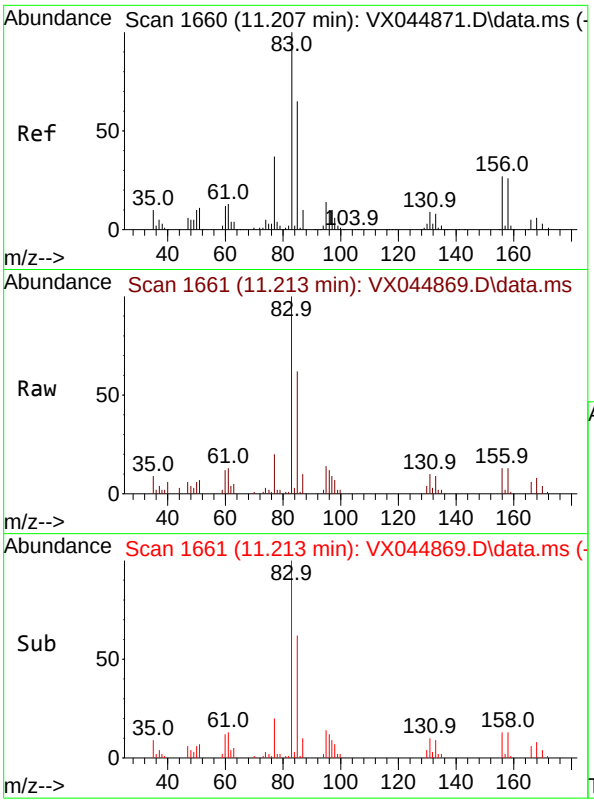


#74
N-amyl acetate
Concen: 4.786 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 16653

Ion	Ratio	Lower	Upper
43	100		
70	41.5	33.7	50.5
55	23.5	18.6	27.8
61	23.1	19.1	28.7





#75
1,1,2,2-Tetrachloroethane
Concen: 5.069 ug/l
RT: 11.213 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 1339

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.5
85	62.1	32.3	96.8

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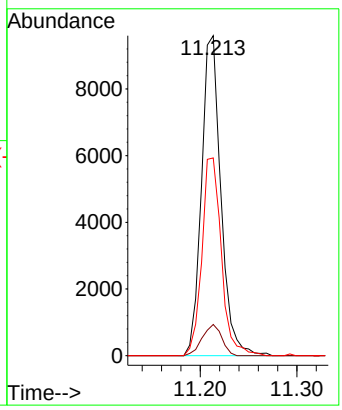
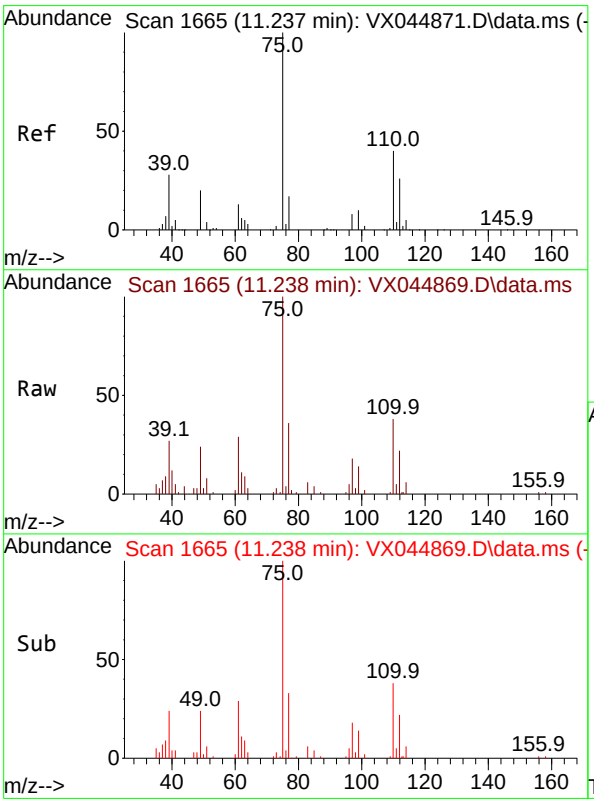
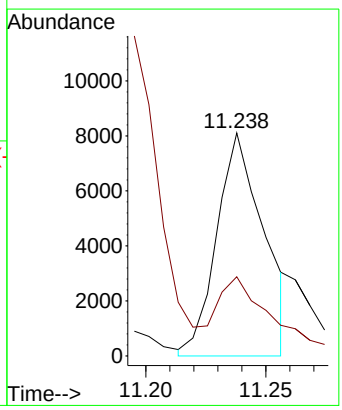


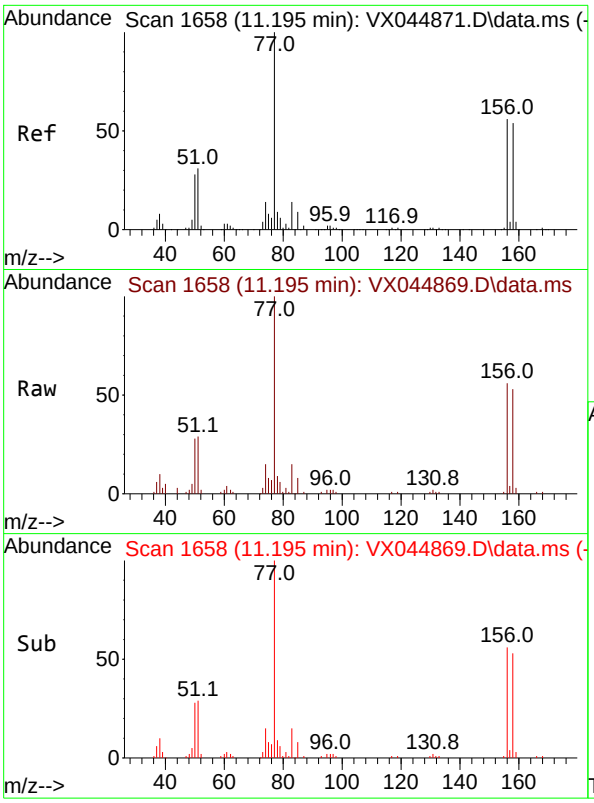


#76
1,2,3-Trichloropropane
Concen: 5.201 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 11011

Ion	Ratio	Lower	Upper
75	100		
77	44.1	21.9	65.7





#77
Bromobenzene
Concen: 5.042 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:156 Resp: 8789

Ion	Ratio	Lower	Upper
156	100		
77	174.1	88.4	265.3
158	92.9	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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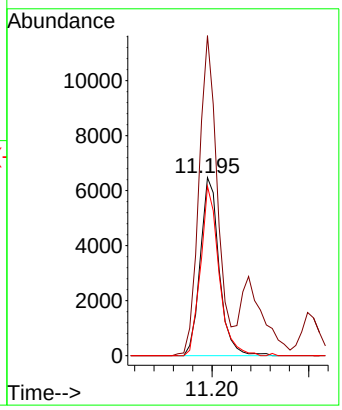
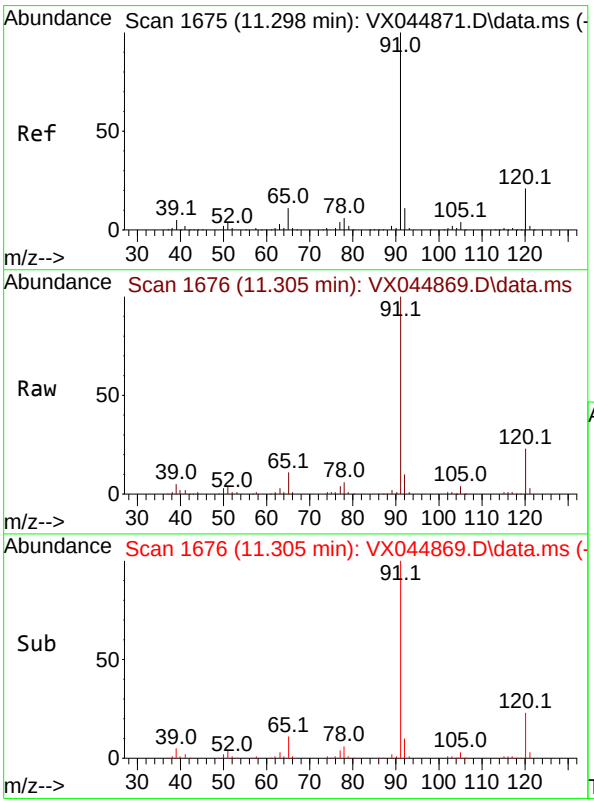
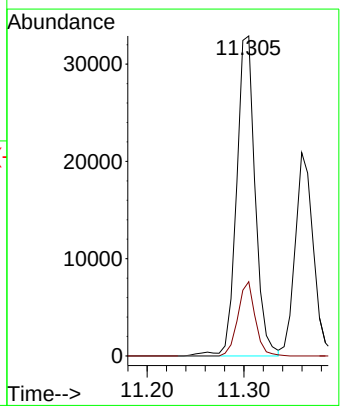


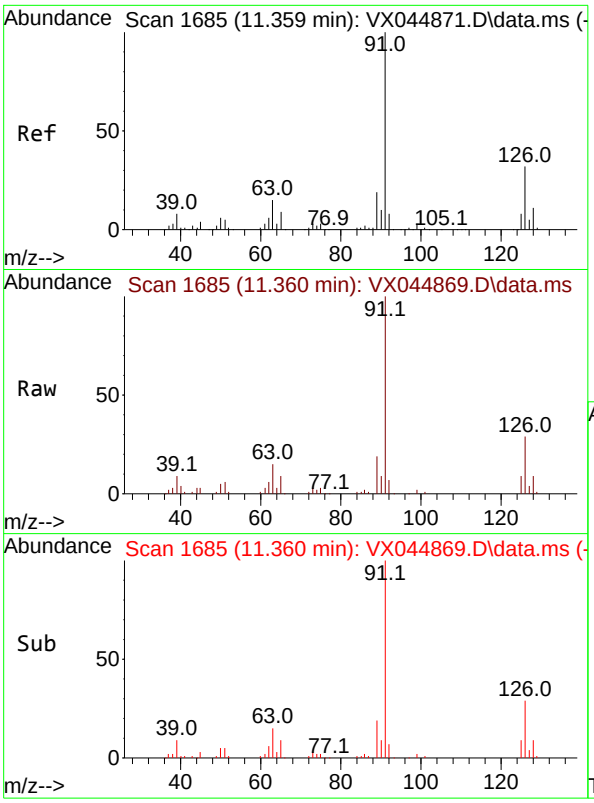


#78
n-propylbenzene
Concen: 4.949 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 43923

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.1	33.3





#79
2-Chlorotoluene
Concen: 5.007 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 2731

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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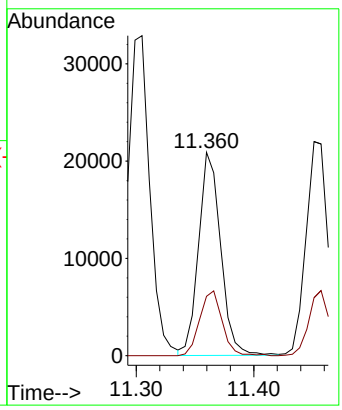
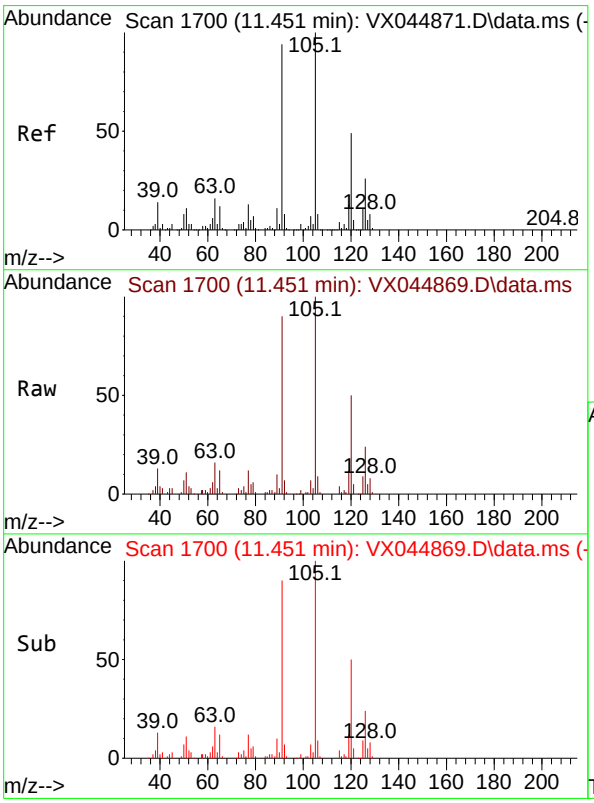
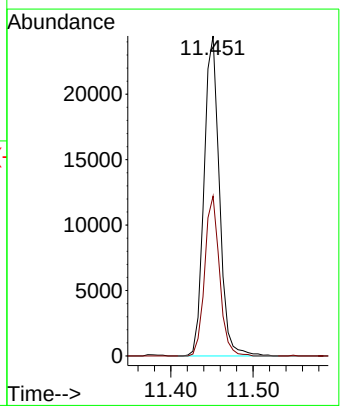


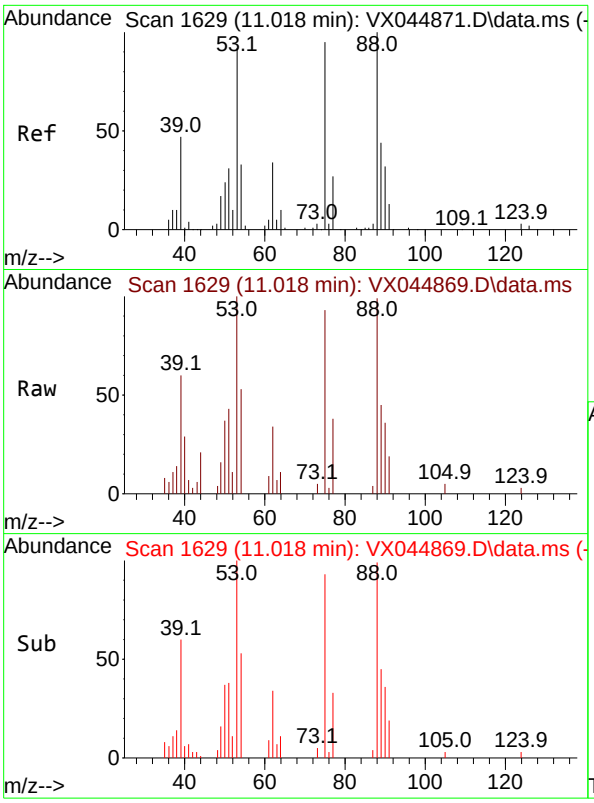


#80
1,3,5-Trimethylbenzene
Concen: 5.090 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:105 Resp: 31761

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 4.013 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 330

Ion	Ratio	Lower	Upper
75	100		
53	113.7	78.0	117.0
89	50.2	36.6	54.8

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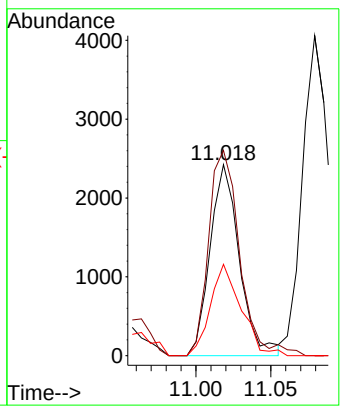
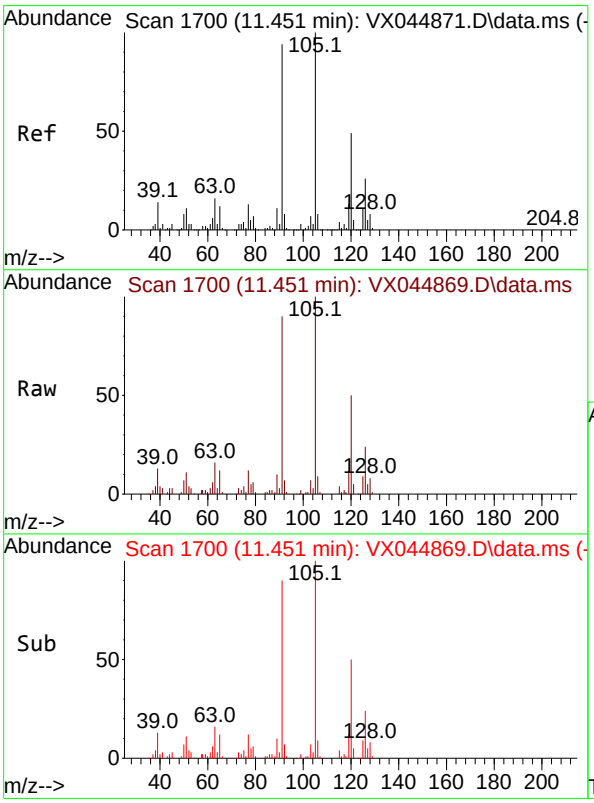
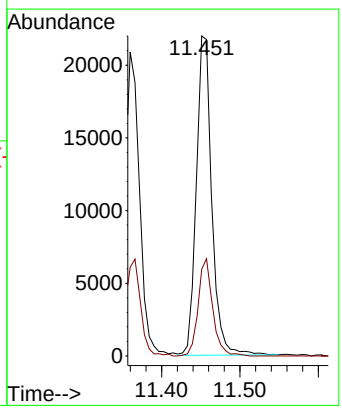


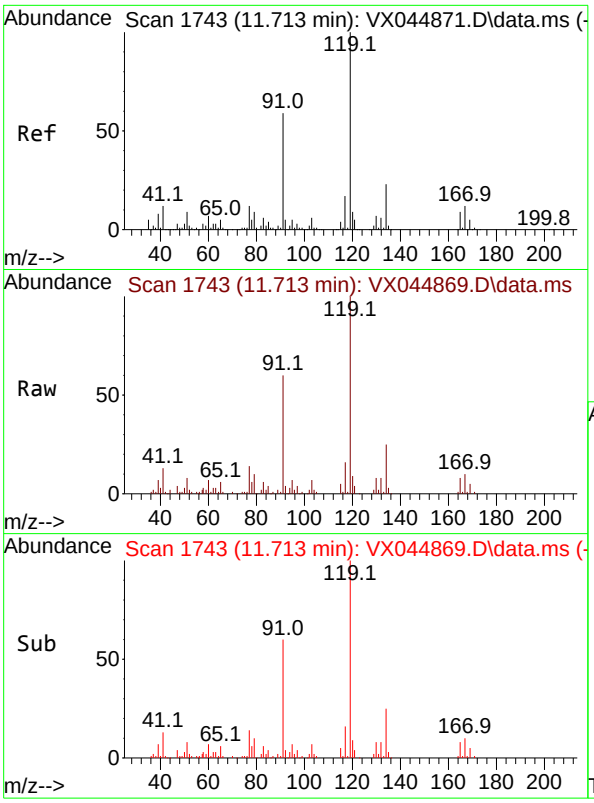


#82
4-Chlorotoluene
Concen: 4.994 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 30138

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6





#83
tert-Butylbenzene
Concen: 5.068 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:119 Resp: 3199

Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.1	87.4
134	24.7	11.5	34.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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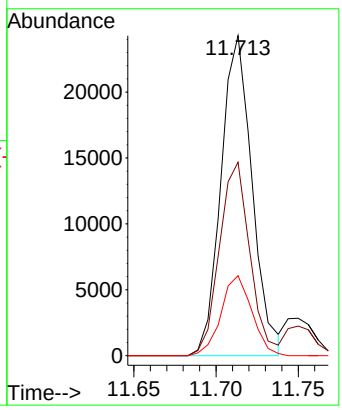
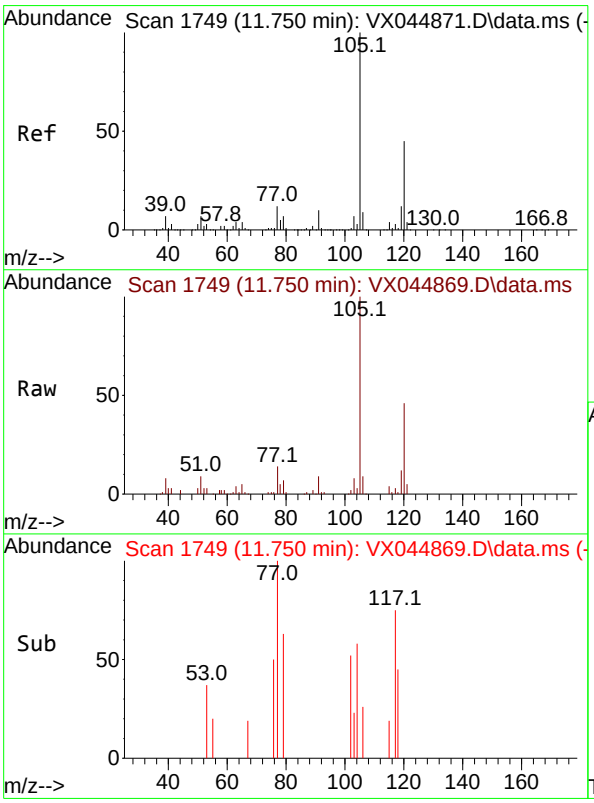
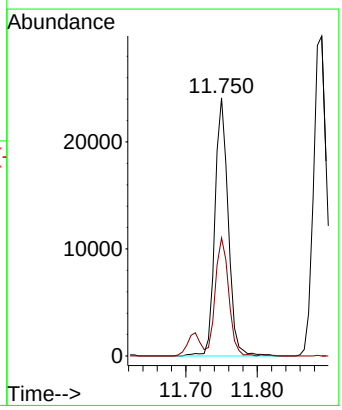


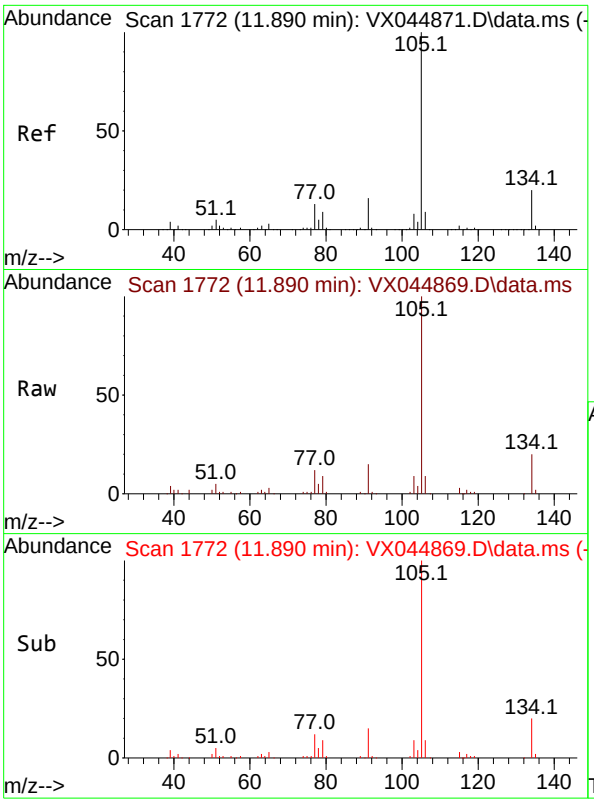


#84
1,2,4-Trimethylbenzene
Concen: 5.042 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:105 Resp: 31053

Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.4	67.0





#85
sec-Butylbenzene
Concen: 4.917 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:105 Resp: 3843

Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.8	29.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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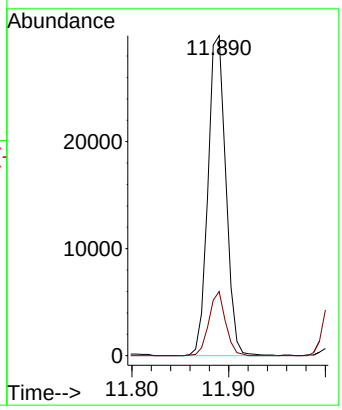
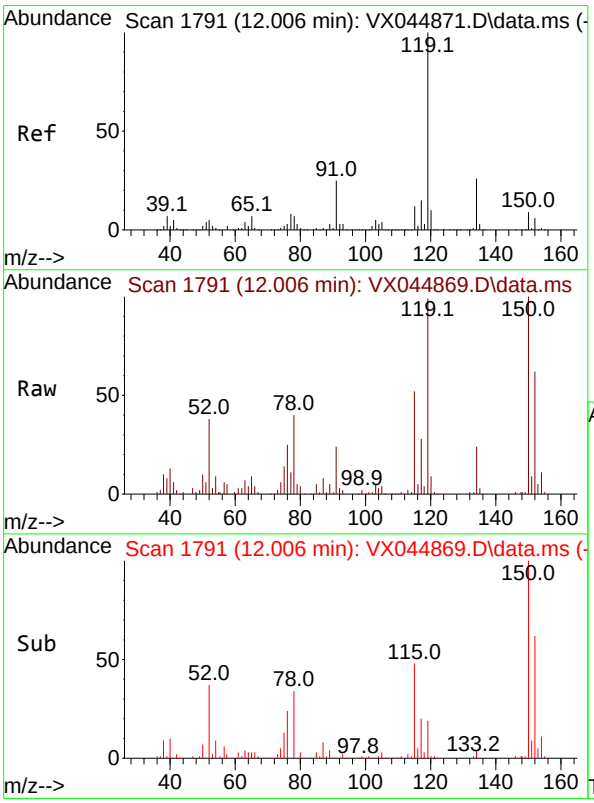
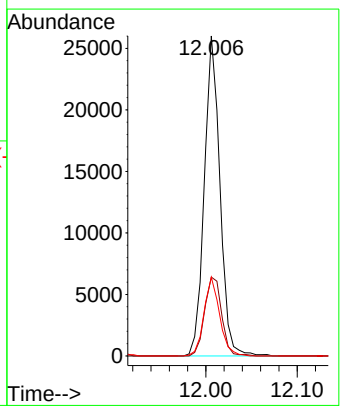


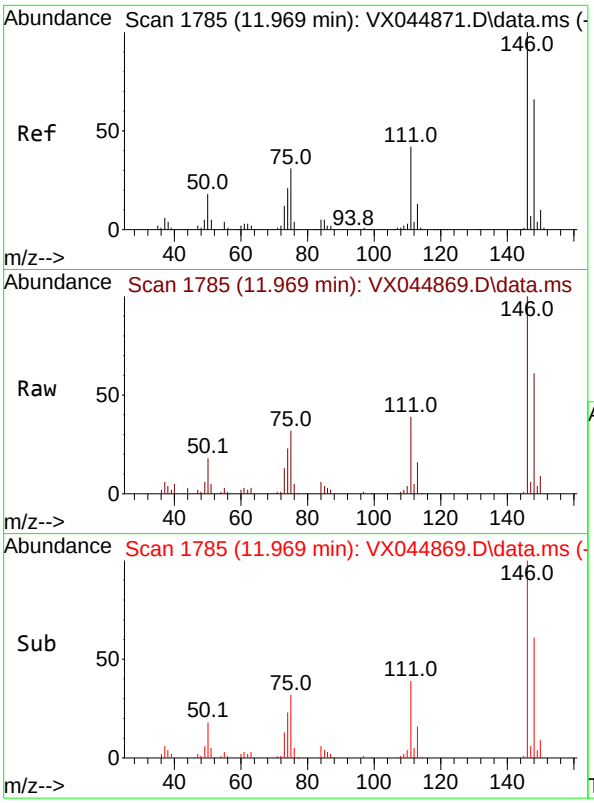


#86
p-Isopropyltoluene
Concen: 4.905 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:119 Resp: 30835

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	38.9
91	24.6	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 4.971 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:146 Resp: 1593

Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.2	63.6
148	60.0	32.5	97.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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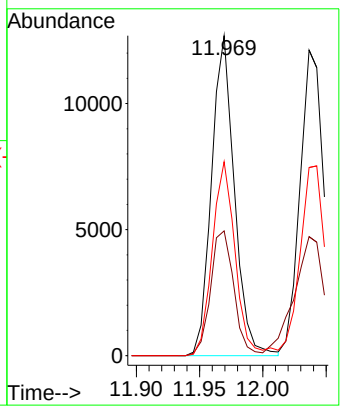
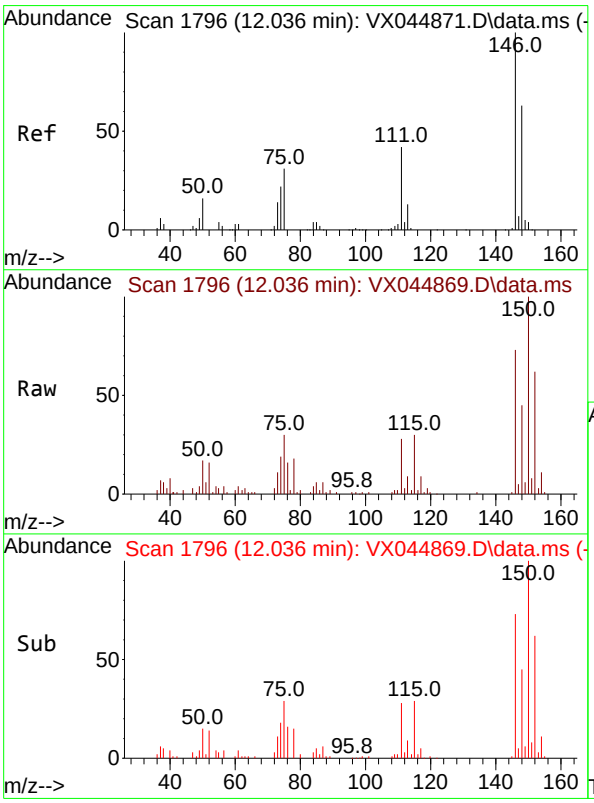
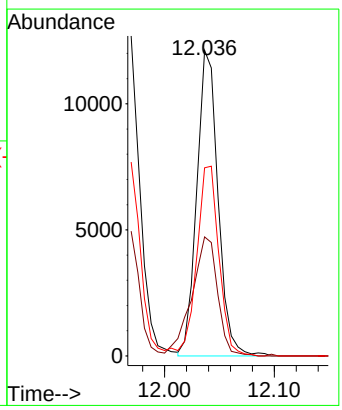


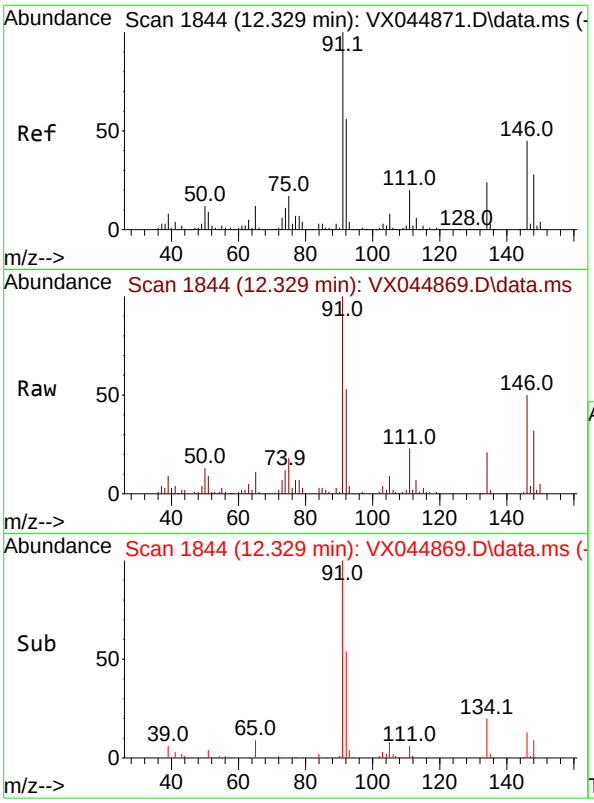


#88
1,4-Dichlorobenzene
Concen: 5.043 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:146 Resp: 16347

Ion	Ratio	Lower	Upper
146	100		
111	47.4	20.4	61.3
148	65.3	32.0	96.0





#89
n-Butylbenzene
Concen: 4.630 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

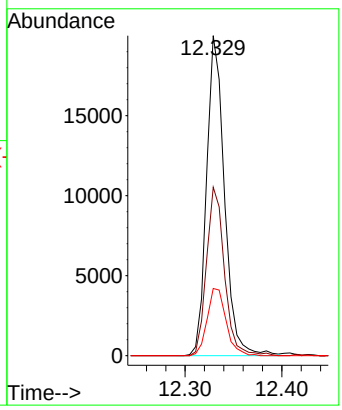
Tgt Ion: 91 Resp: 2574

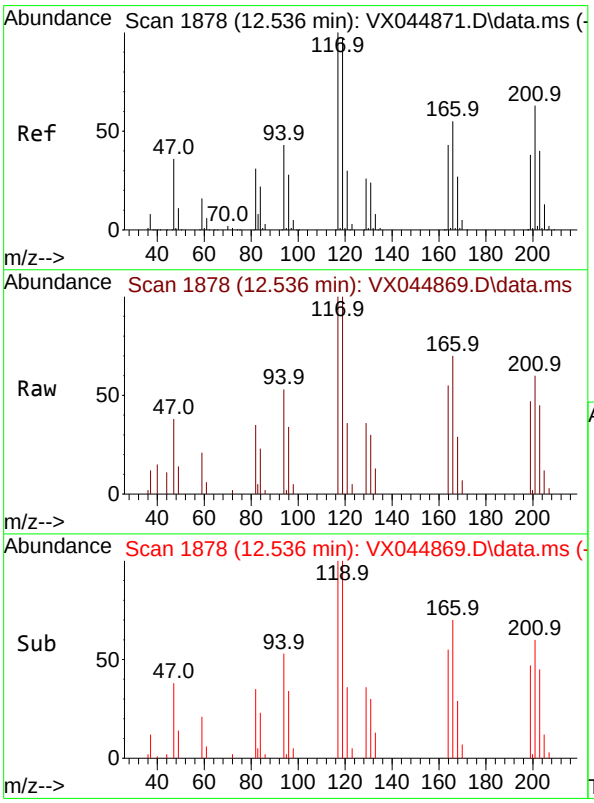
Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.2	81.6
134	22.3	12.1	36.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

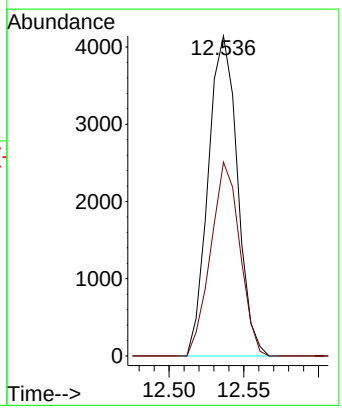


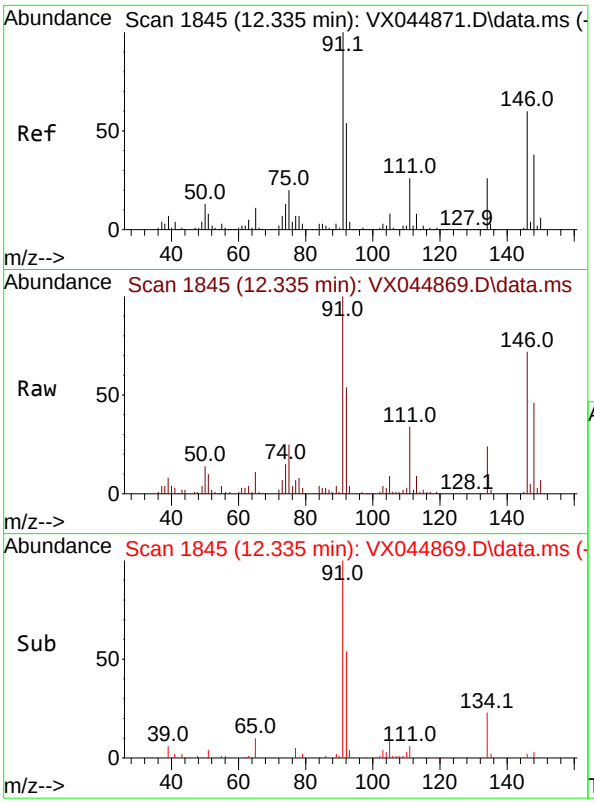


#90
Hexachloroethane
Concen: 4.775 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:117 Resp: 5620

Ion	Ratio	Lower	Upper
117	100		
201	60.6	32.5	97.5





#91
1,2-Dichlorobenzene
Concen: 5.193 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

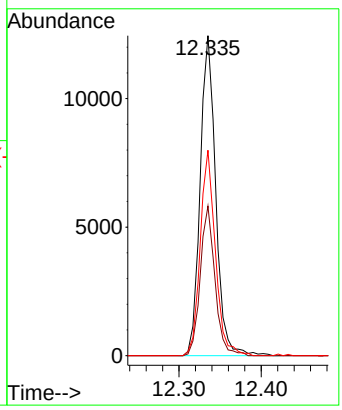
Tgt Ion:146 Resp: 1636

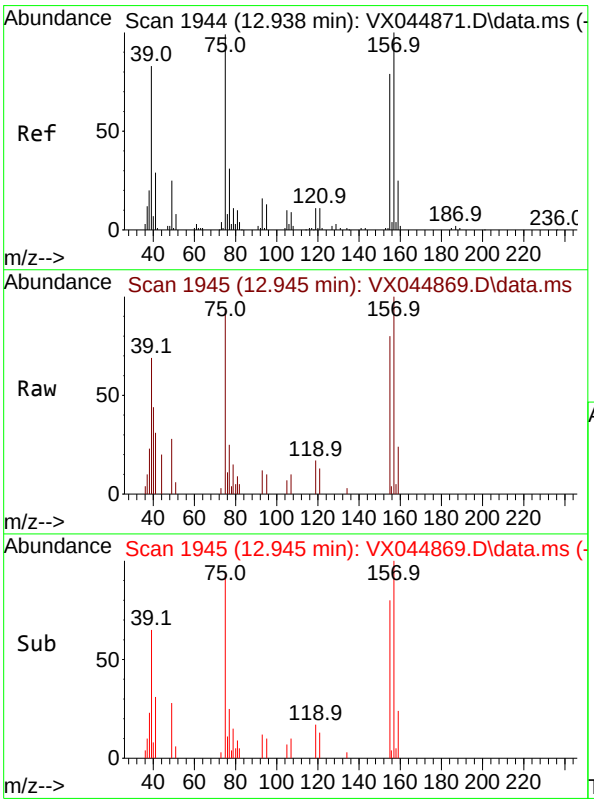
Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.8	65.4
148	62.7	31.9	95.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

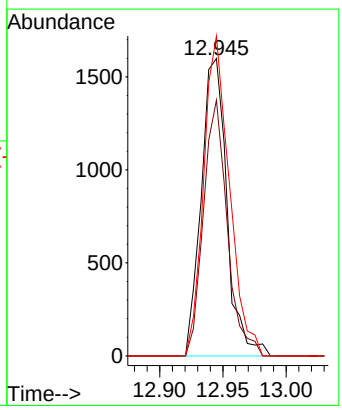


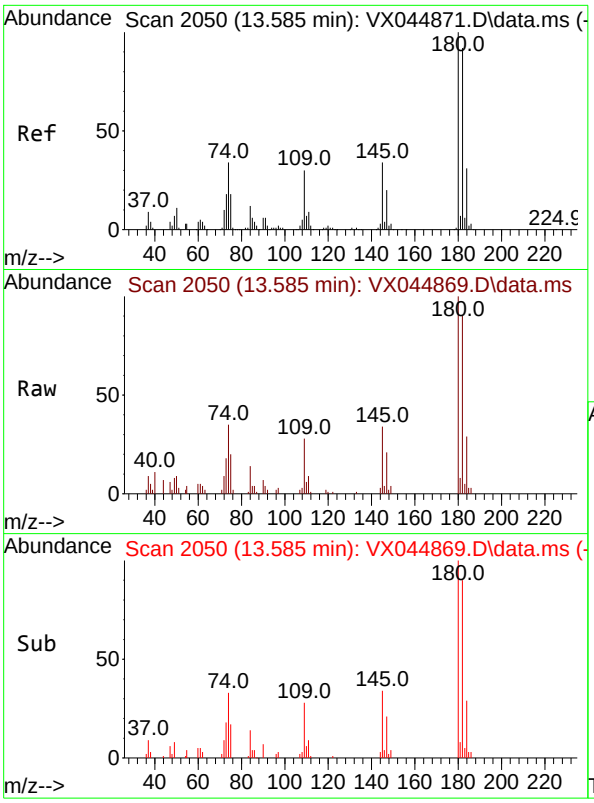


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.674 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 2254

Ion	Ratio	Lower	Upper
75	100		
155	80.0	40.5	121.4
157	108.1	51.4	154.3





#93
1,2,4-Trichlorobenzene
Concen: 4.680 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

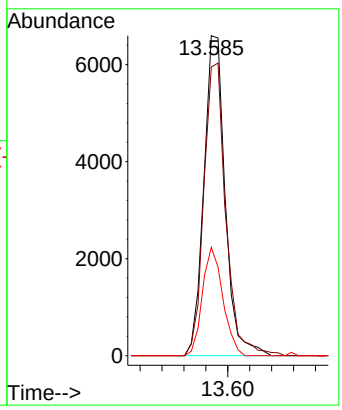
Tgt Ion:180 Resp: 892

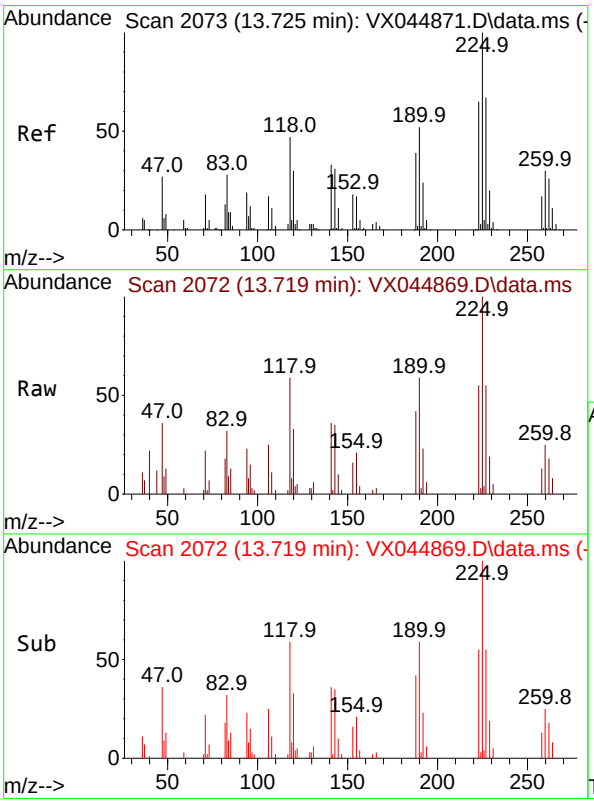
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.6	142.8
145	32.3	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

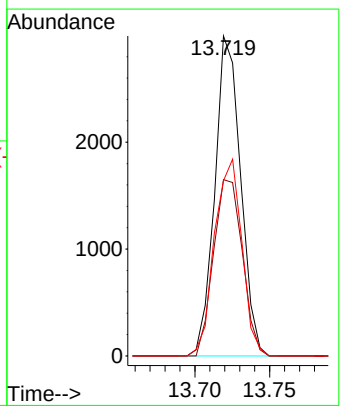


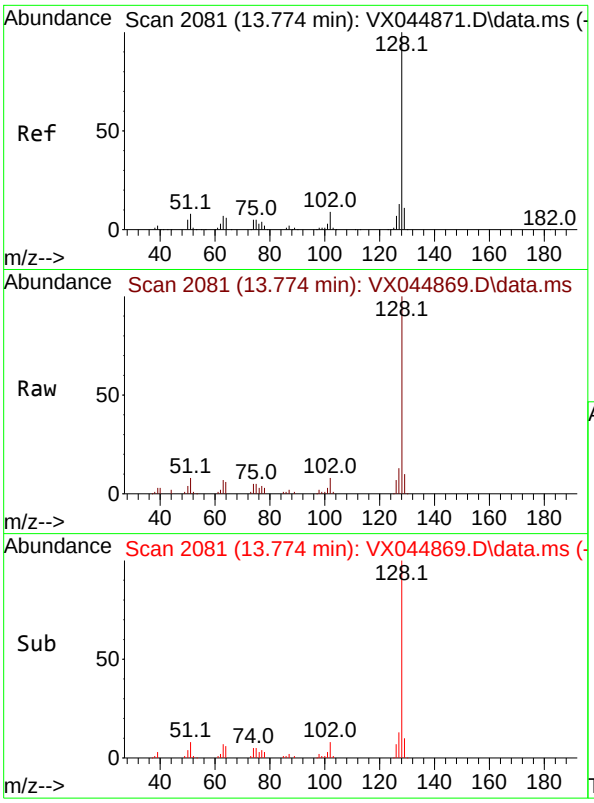


#94
Hexachlorobutadiene
Concen: 4.750 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:225 Resp: 3595

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.2
227	65.1	32.3	96.8





#95
Naphthalene
Concen: 4.756 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

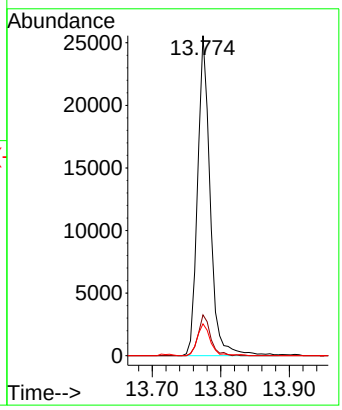
Tgt Ion:128 Resp: 3277(

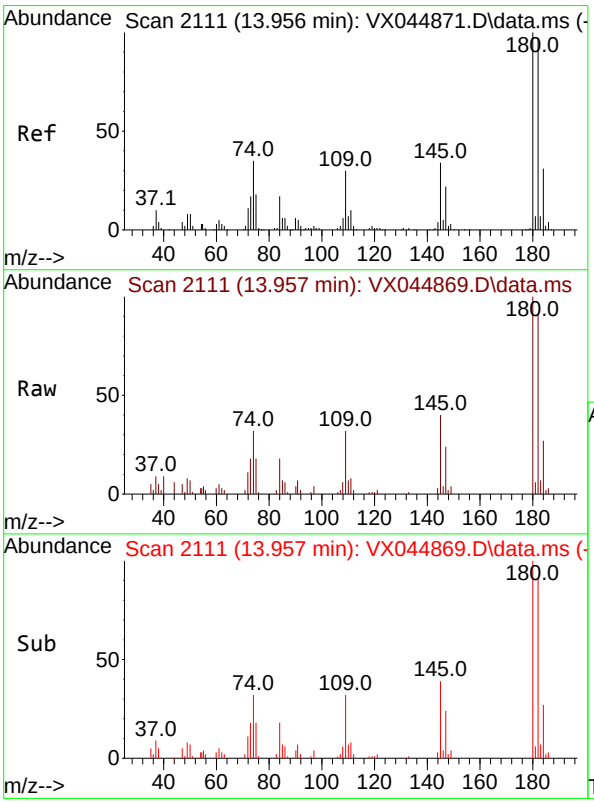
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.3	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

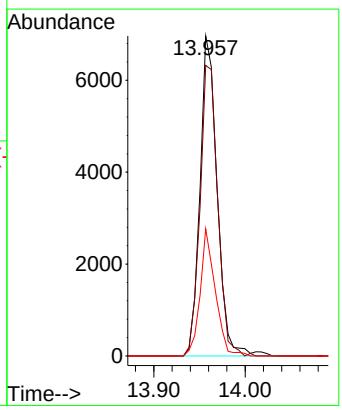




#96
1,2,3-Trichlorobenzene
Concen: 4.733 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:180 Resp: 9093

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.6
145	35.0	17.1	51.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	207667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	37195	19.616	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 39.240%#			
35) Dibromofluoromethane	5.379	113	30170	19.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 39.580%#			
50) Toluene-d8	8.647	98	117127	20.321	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 40.640%#			
62) 4-Bromofluorobenzene	11.079	95	38475	19.800	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 39.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	37123	20.434	ug/l	98
3) Chloromethane	1.301	50	44666	20.200	ug/l	95
4) Vinyl Chloride	1.374	62	43901	20.494	ug/l	99
5) Bromomethane	1.593	94	13057	20.369	ug/l	99
6) Chloroethane	1.660	64	14523	16.522	ug/l	94
7) Trichlorofluoromethane	1.868	101	56805	20.969	ug/l	98
8) Diethyl Ether	2.130	74	20699	21.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34593	21.135	ug/l	99
10) Methyl Iodide	2.441	142	44749	21.096	ug/l	99
11) Tert butyl alcohol	2.989	59	35834	101.870	ug/l	100
12) 1,1-Dichloroethene	2.307	96	34270	20.526	ug/l	99
13) Acrolein	2.233	56	33914	93.445	ug/l	99
14) Allyl chloride	2.654	41	61485	20.377	ug/l	98
15) Acrylonitrile	3.063	53	98518	104.896	ug/l	98
16) Acetone	2.380	43	77078	101.119	ug/l	98
17) Carbon Disulfide	2.502	76	92552	20.216	ug/l	99
18) Methyl Acetate	2.703	43	47970	19.943	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	110377	20.779	ug/l	98
20) Methylene Chloride	2.782	84	38390	20.562	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	34064	20.730	ug/l	92
22) Diisopropyl ether	3.757	45	120300	21.074	ug/l	93
23) Vinyl Acetate	3.715	43	490239	105.341	ug/l	99
24) 1,1-Dichloroethane	3.599	63	66942	20.958	ug/l	99
25) 2-Butanone	4.556	43	130481	105.417	ug/l	96
26) 2,2-Dichloropropane	4.471	77	51803	20.451	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42096	21.328	ug/l	97
28) Bromochloromethane	4.885	49	31474	20.504	ug/l	99
29) Tetrahydrofuran	5.001	42	86875	105.700	ug/l	99
30) Chloroform	5.087	83	65721	21.217	ug/l	98
31) Cyclohexane	5.458	56	60814	20.653	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54450	20.724	ug/l	100
36) 1,1-Dichloropropene	5.684	75	45991	20.913	ug/l	99
37) Ethyl Acetate	4.715	43	51242	20.949	ug/l	99
38) Carbon Tetrachloride	5.666	117	44802	20.790	ug/l	99
39) Methylcyclohexane	7.373	83	62505	21.985	ug/l	98
40) Benzene	6.031	78	147912	21.540	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	27347	20.887 ug/l	94
42) 1,2-Dichloroethane	6.086	62	47095	21.519 ug/l	100
43) Isopropyl Acetate	6.336	43	84306	21.343 ug/l	99
44) Trichloroethene	7.123	130	34390	21.910 ug/l	96
45) 1,2-Dichloropropane	7.428	63	36510	21.371 ug/l	99
46) Dibromomethane	7.574	93	25300	21.354 ug/l	99
47) Bromodichloromethane	7.818	83	48202	21.012 ug/l	97
48) Methyl methacrylate	7.690	41	39747	21.341 ug/l	100
49) 1,4-Dioxane	7.665	88	17153	429.262 ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	263394	109.684 ug/l	99
52) Toluene	8.714	92	89726	21.940 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	48613	20.940 ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	55026	21.259 ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	33930	21.582 ug/l	98
56) Ethyl methacrylate	9.116	69	54674	21.533 ug/l	99
57) 1,3-Dichloropropane	9.305	76	60079	21.841 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	133072	106.736 ug/l	100
59) 2-Hexanone	9.427	43	190449	110.072 ug/l	98
60) Dibromochloromethane	9.519	129	35706	21.237 ug/l	99
61) 1,2-Dibromoethane	9.604	107	34463	21.628 ug/l	100
64) Tetrachloroethene	9.269	164	28519	21.776 ug/l	97
65) Chlorobenzene	10.073	112	94695	21.230 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30344	21.136 ug/l	99
67) Ethyl Benzene	10.189	91	167865	21.327 ug/l	100
68) m/p-Xylenes	10.299	106	125271	43.144 ug/l	99
69) o-Xylene	10.640	106	62087	21.310 ug/l	97
70) Styrene	10.653	104	103740	22.101 ug/l	98
71) Bromoform	10.799	173	22592	21.086 ug/l #	99
73) Isopropylbenzene	10.957	105	160147	21.597 ug/l	99
74) N-amyl acetate	10.842	43	70542	21.023 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52967	20.787 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	42040m	20.589 ug/l	
77) Bromobenzene	11.195	156	36021	21.426 ug/l	97
78) n-propylbenzene	11.299	91	183212	21.406 ug/l	99
79) 2-Chlorotoluene	11.360	91	111782	21.250 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	130526	21.691 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	15375	19.370 ug/l	96
82) 4-Chlorotoluene	11.451	91	122303	21.016 ug/l	100
83) tert-Butylbenzene	11.713	119	130358	21.414 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	130211	21.924 ug/l	100
85) sec-Butylbenzene	11.890	105	162875	21.607 ug/l	100
86) p-Isopropyltoluene	12.006	119	130643	21.551 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	64141	20.747 ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	64889	20.758 ug/l	98
89) n-Butylbenzene	12.329	91	113705	21.202 ug/l	100
90) Hexachloroethane	12.536	117	23153	20.398 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	64940	21.373 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9873	21.230 ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	37308	20.292 ug/l	99
94) Hexachlorobutadiene	13.725	225	15312	20.979 ug/l	96
95) Naphthalene	13.774	128	142902	21.502 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	38389	20.722 ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

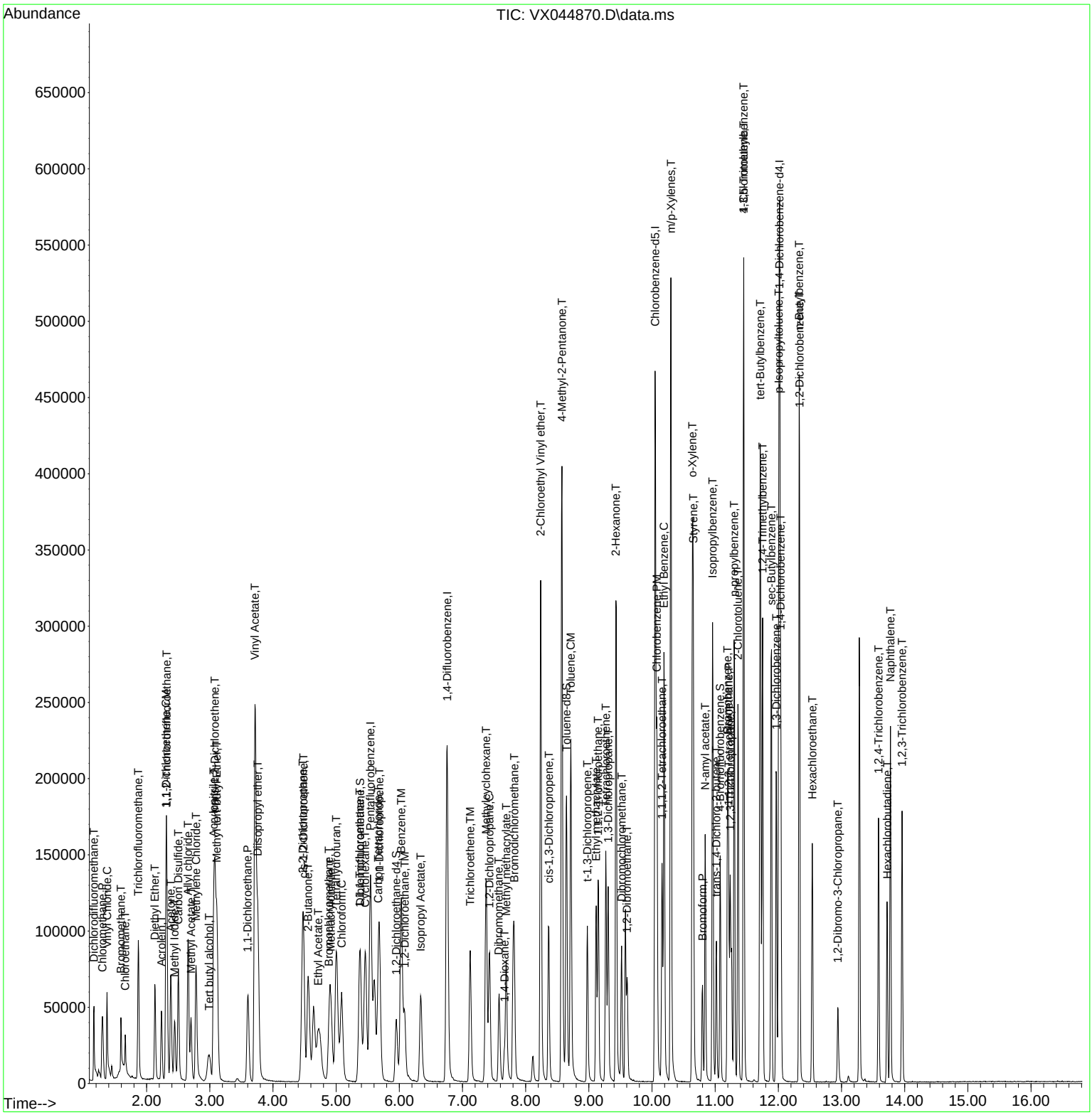
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

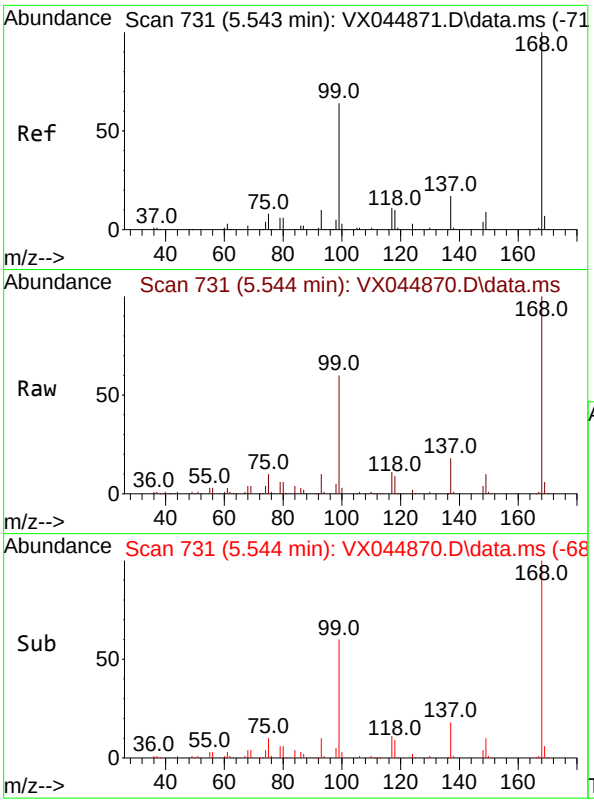
Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

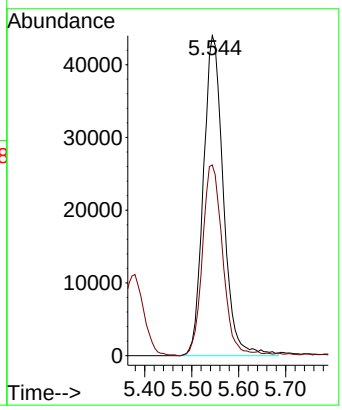
Tgt Ion:168 Resp: 12953

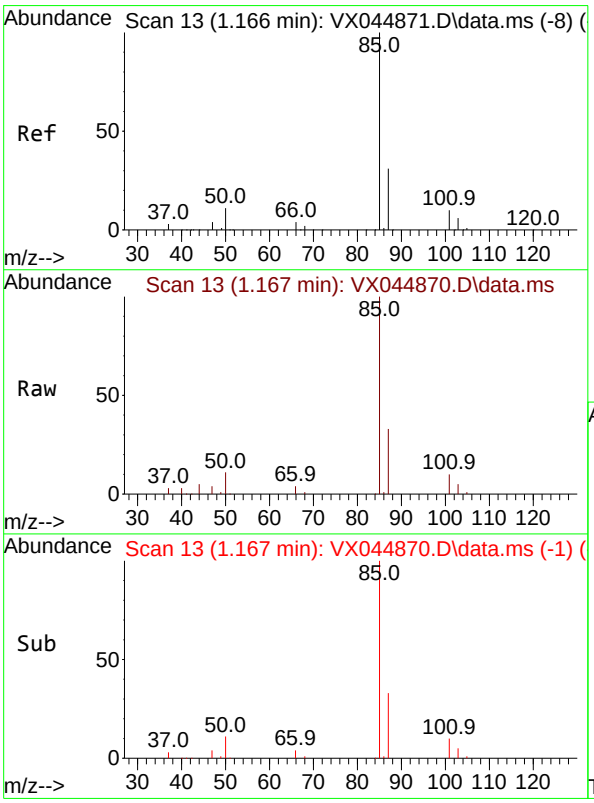
Ion	Ratio	Lower	Upper
168	100		
99	59.6	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

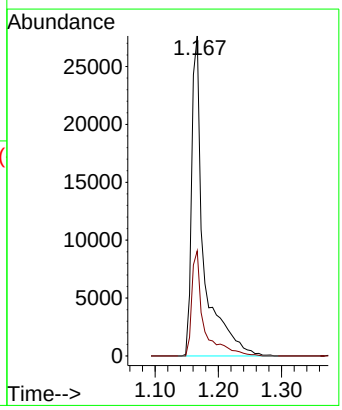


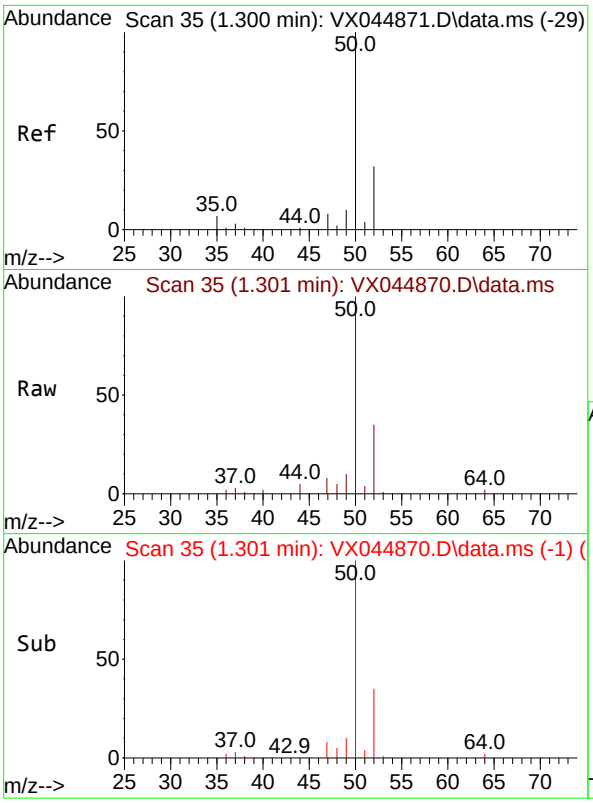


#2
Dichlorodifluoromethane
Concen: 20.434 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 85 Resp: 37123

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.8	47.3





#3
Chloromethane
Concen: 20.200 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 50 Resp: 4466

Ion	Ratio	Lower	Upper
50	100		
52	35.0	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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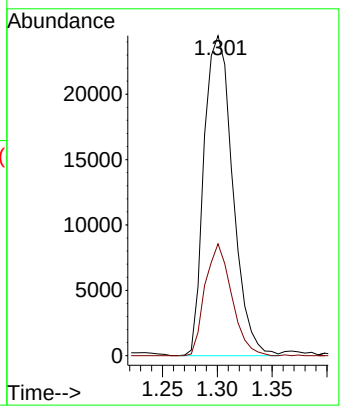
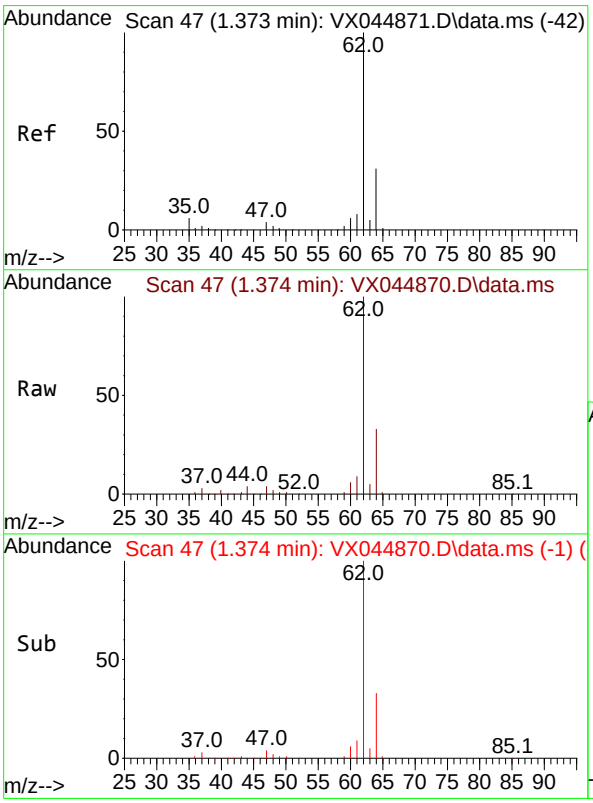
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

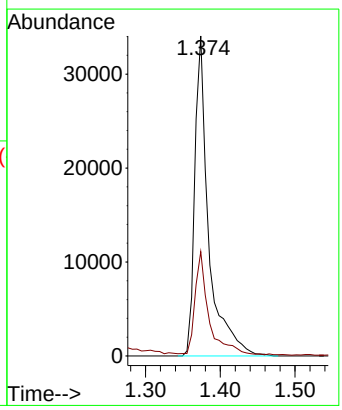


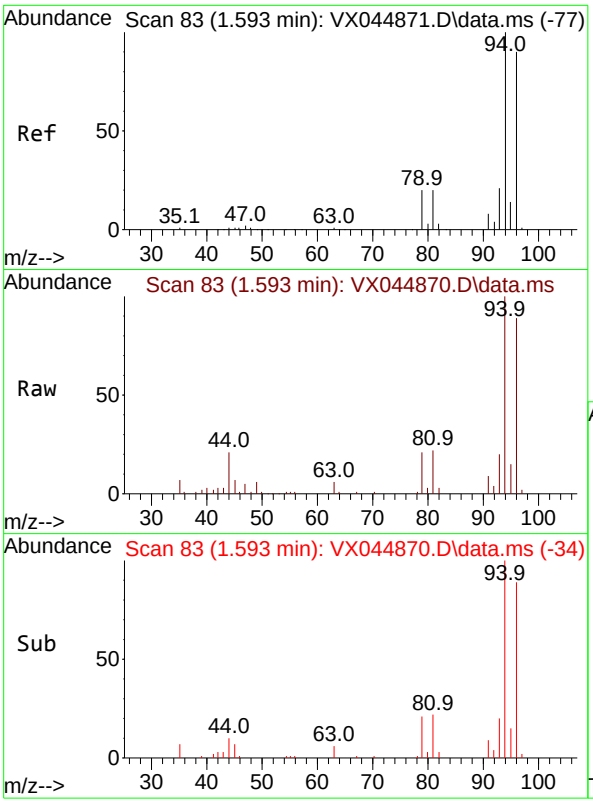


#4
Vinyl Chloride
Concen: 20.494 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 43901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.4	38.0





#5
Bromomethane
Concen: 20.369 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 94 Resp: 1305

Ion	Ratio	Lower	Upper
94	100		
96	88.8	71.6	107.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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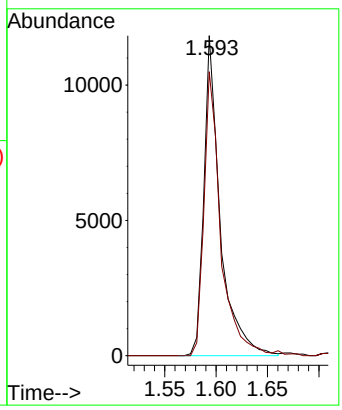
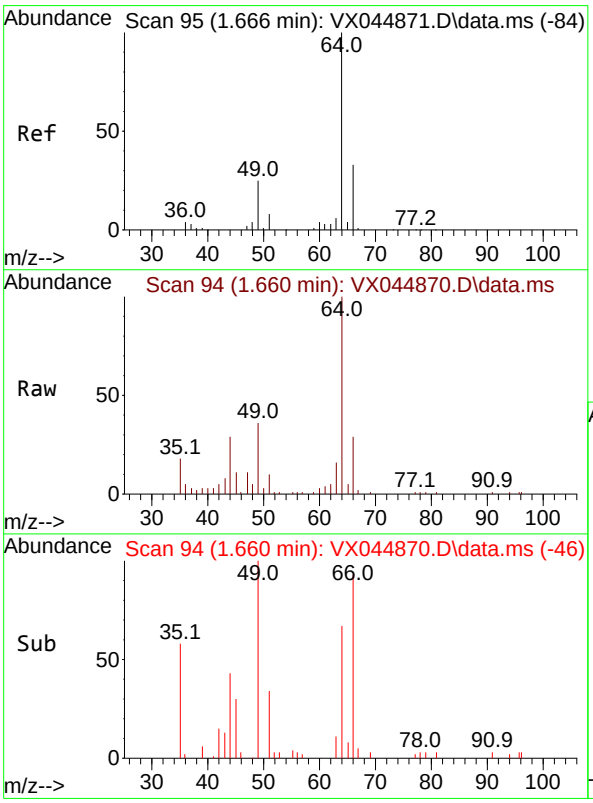
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

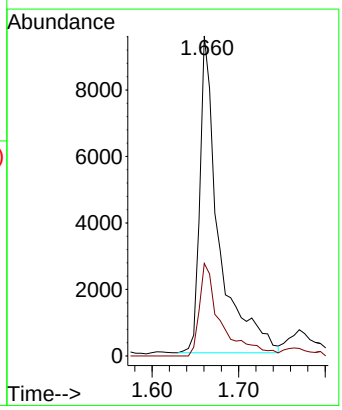


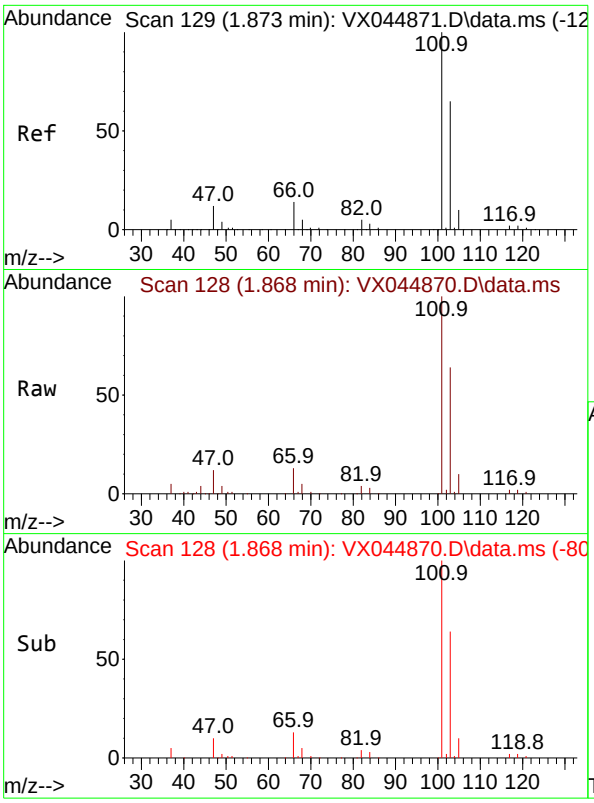


#6
Chloroethane
Concen: 16.522 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 64 Resp: 14523

Ion	Ratio	Lower	Upper
64	100		
66	29.2	25.9	38.9





#7
Trichlorofluoromethane
Concen: 20.969 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:101 Resp: 5680

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.4	78.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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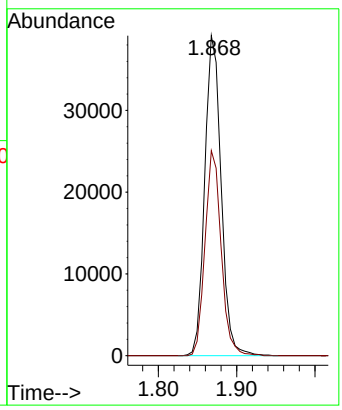
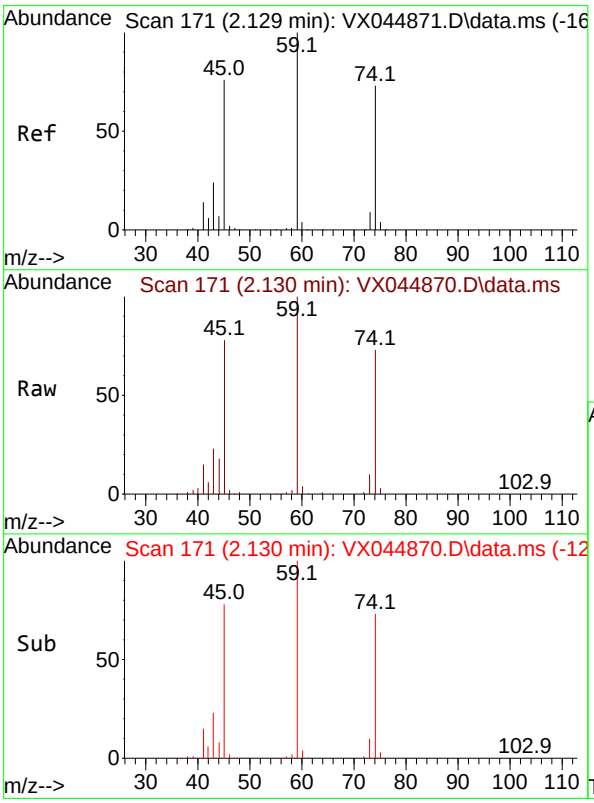
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

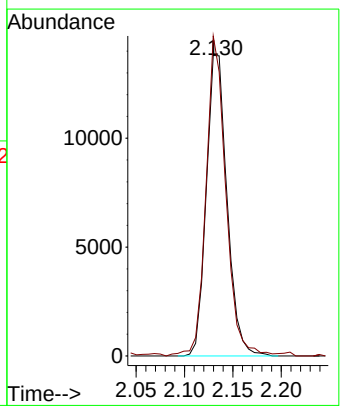


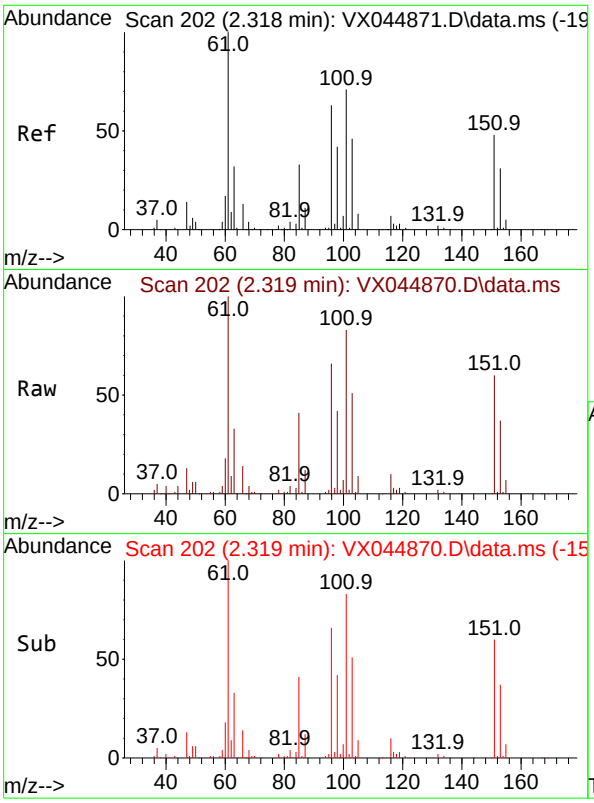


#8
Diethyl Ether
Concen: 21.069 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 74 Resp: 20699

Ion	Ratio	Lower	Upper
74	100		
45	101.2	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.135 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 3459

Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.7	53.5
151	69.4	56.0	84.0

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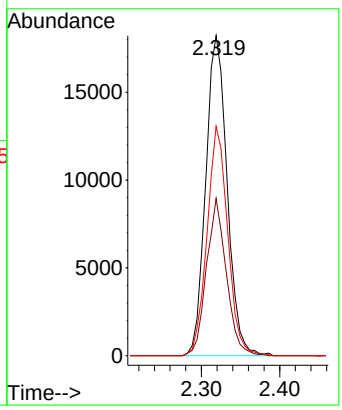
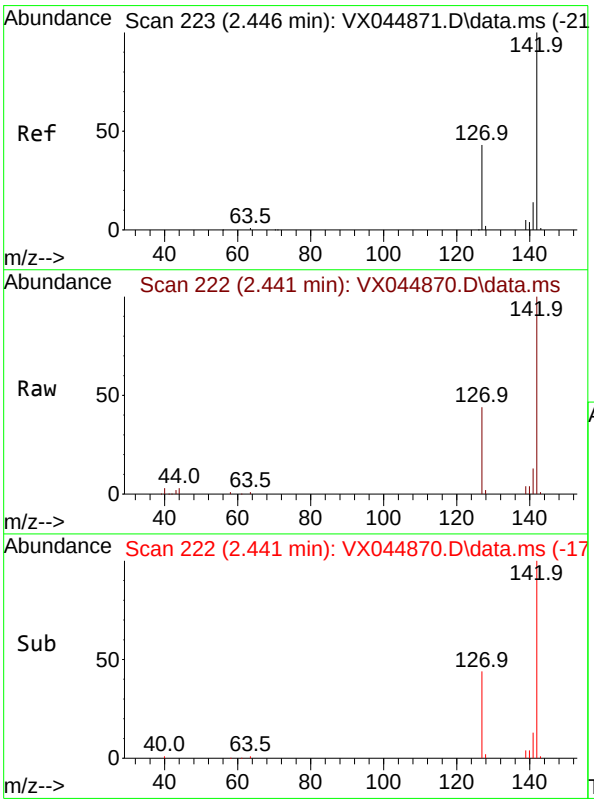
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

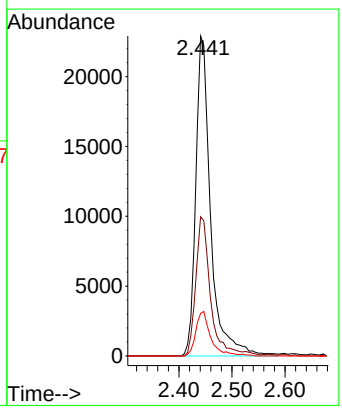


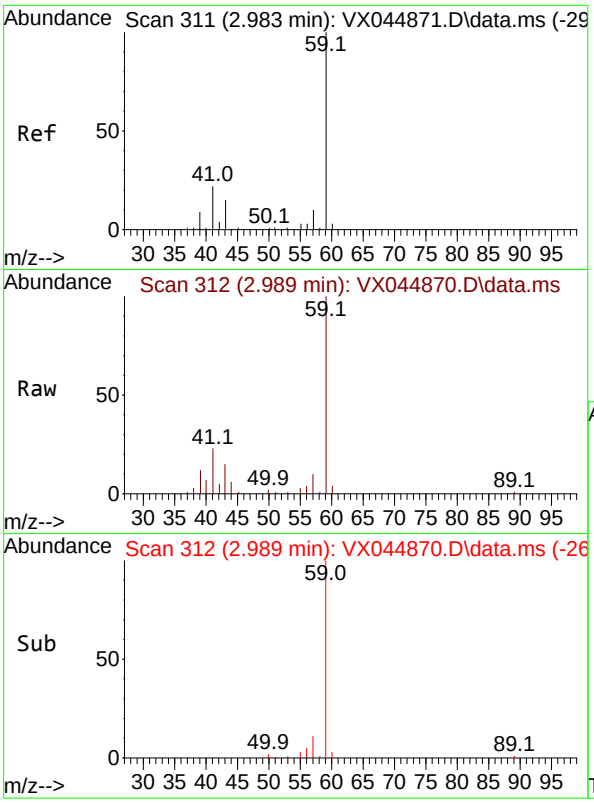


#10
Methyl Iodide
Concen: 21.096 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:142 Resp: 44749

Ion	Ratio	Lower	Upper
142	100		
127	43.4	34.3	51.5
141	14.0	11.4	17.2





#11
Tert butyl alcohol
Concen: 101.870 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 59 Resp: 3583

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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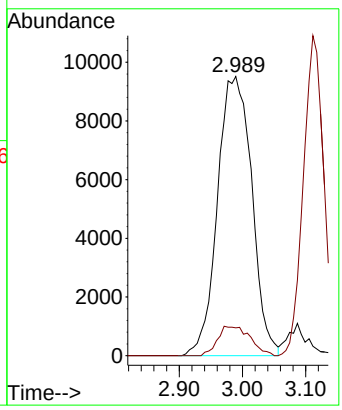
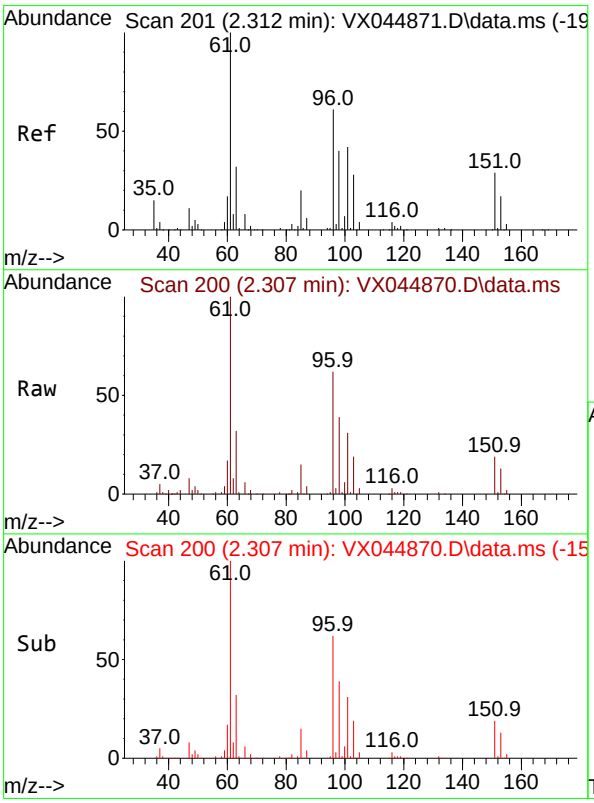
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

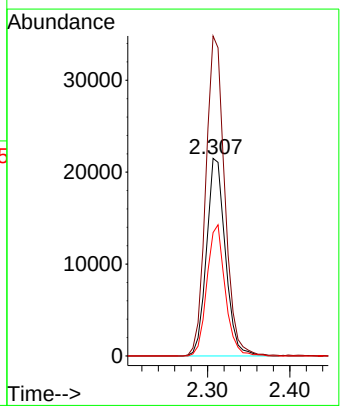


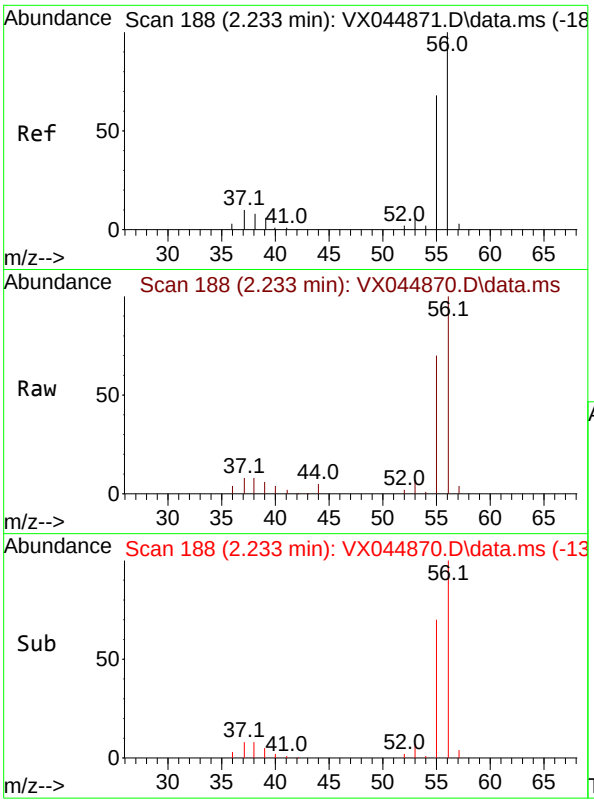


#12
1,1-Dichloroethene
Concen: 20.526 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 96 Resp: 34270

Ion	Ratio	Lower	Upper
96	100		
61	161.9	130.2	195.4
98	62.4	52.2	78.4





#13
Acrolein
Concen: 93.445 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 56 Resp: 3391

Ion	Ratio	Lower	Upper
56	100		
55	70.1	55.7	83.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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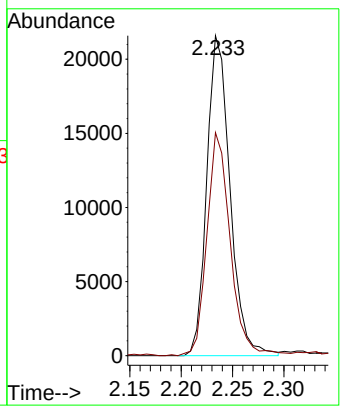
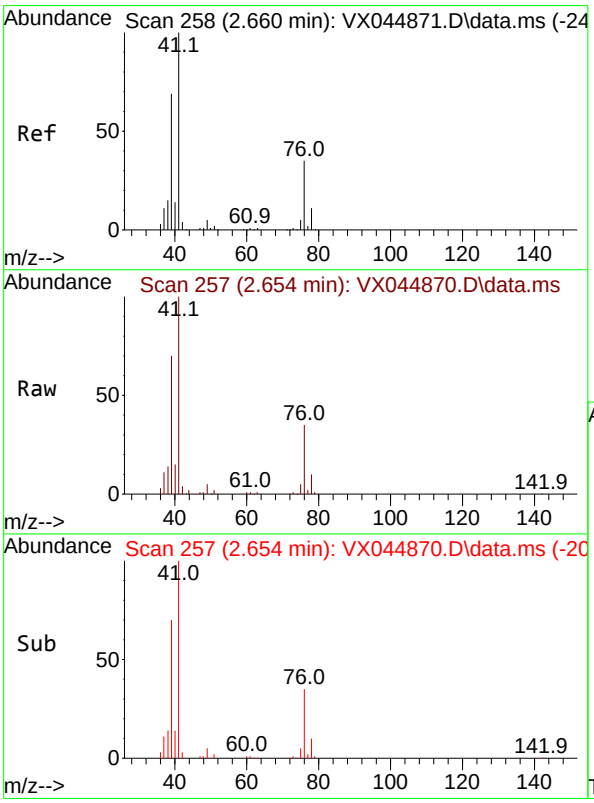
Supervised By :Mahesh Dadoda 02/11/2025

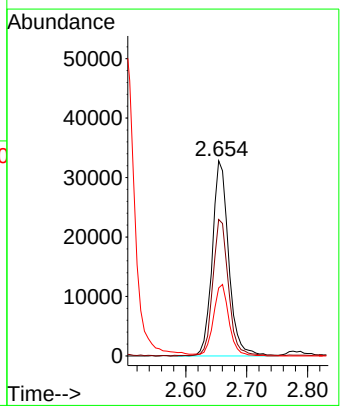


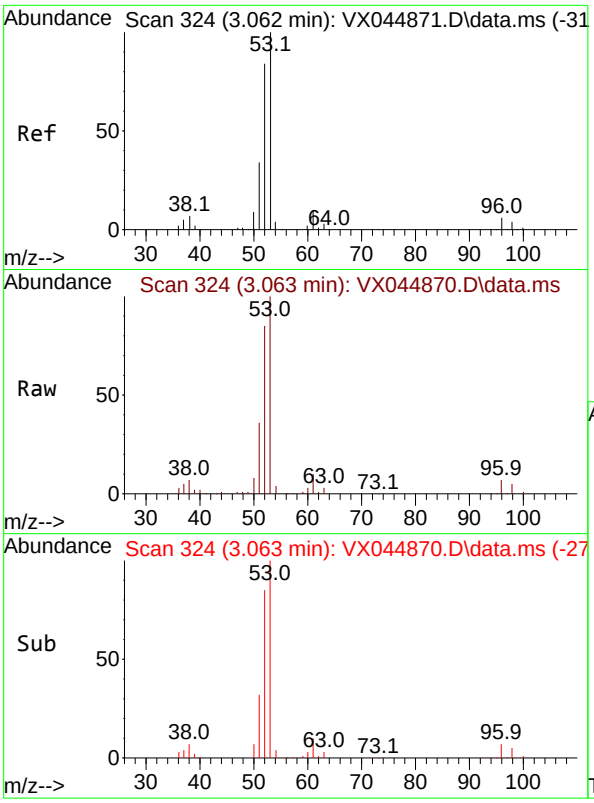


#14
Allyl chloride
Concen: 20.377 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 61485

Ion	Ratio	Lower	Upper
41	100		
39	65.8	51.4	77.2
76	34.9	27.0	40.4





#15
Acrylonitrile
Concen: 104.896 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 53 Resp: 9851

Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.0	97.6
51	36.3	28.0	42.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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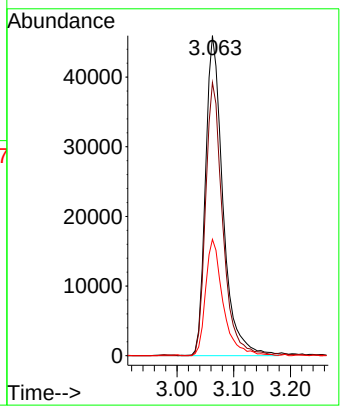
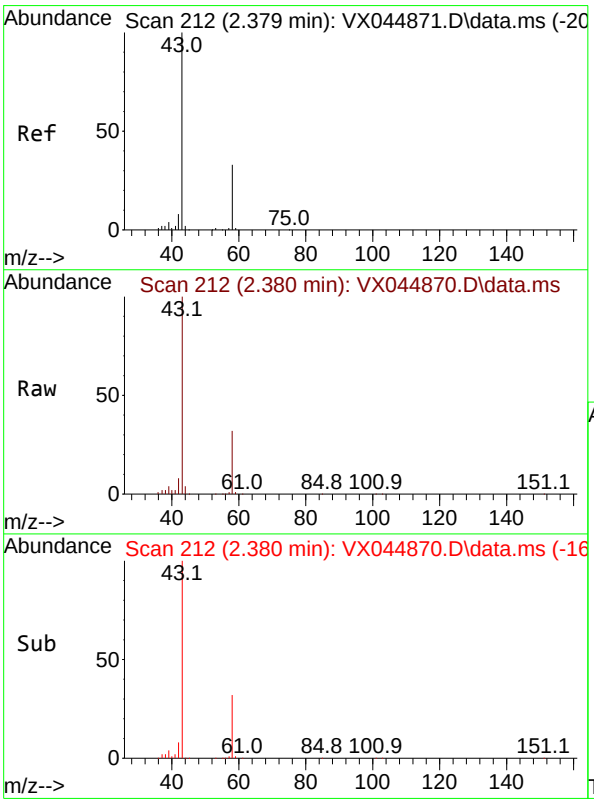
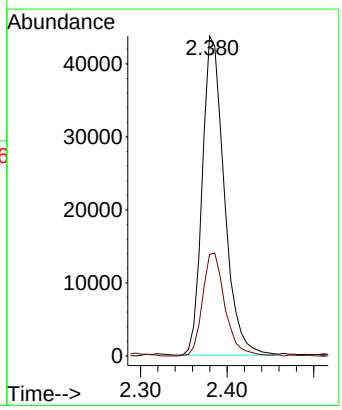


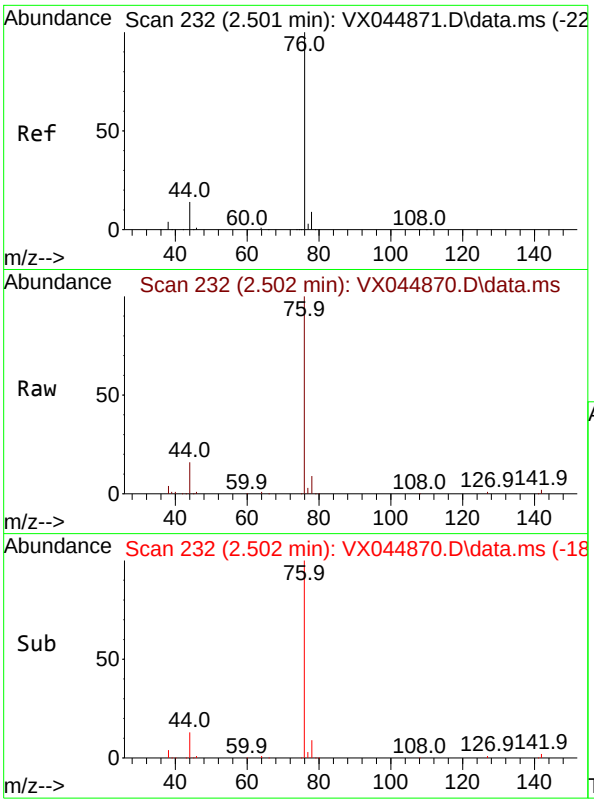


#16
Acetone
Concen: 101.119 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 77078

Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.5	39.7





#17
Carbon Disulfide
Concen: 20.216 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 76 Resp: 9255

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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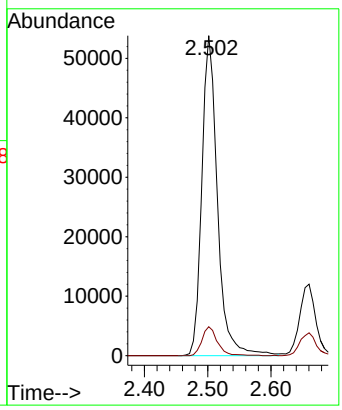
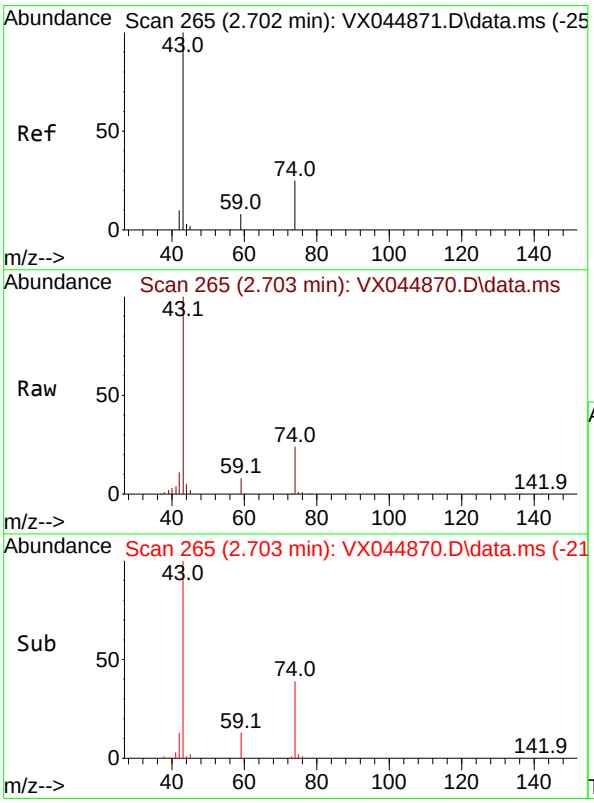
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

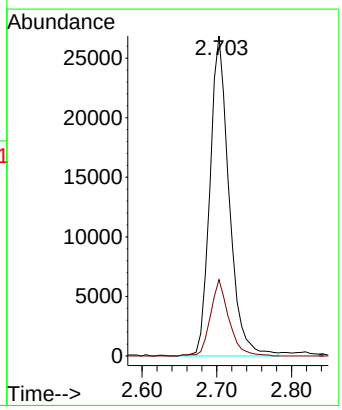


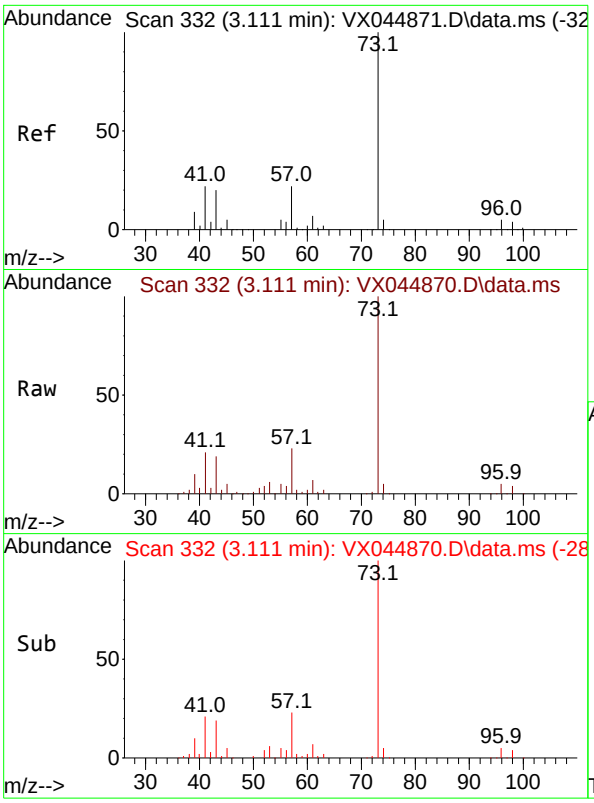


#18
Methyl Acetate
Concen: 19.943 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 47970

Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 20.779 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 73 Resp: 11037

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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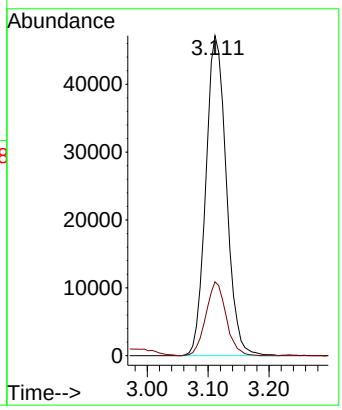
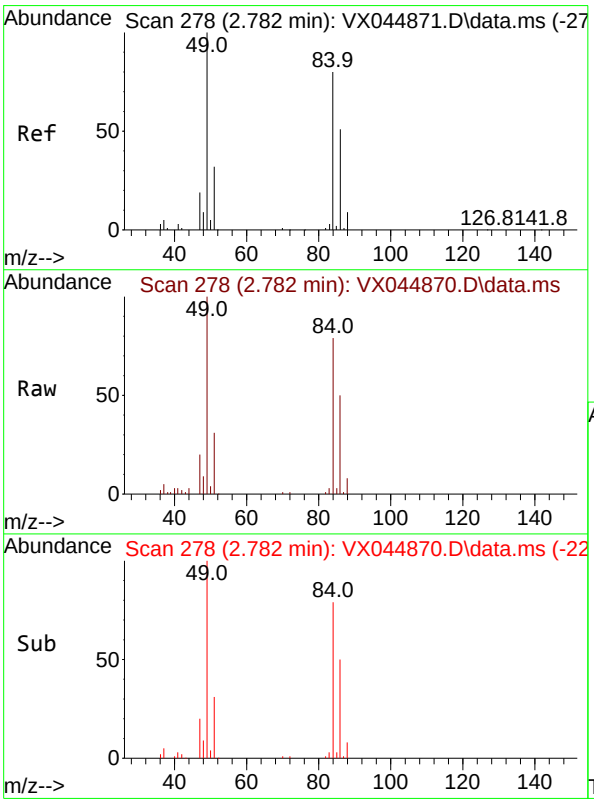
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

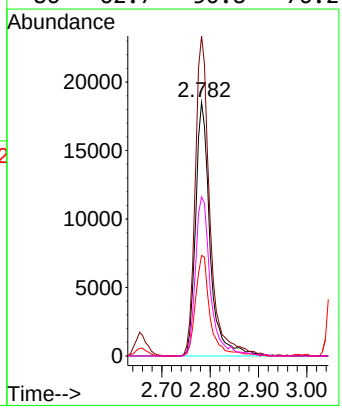


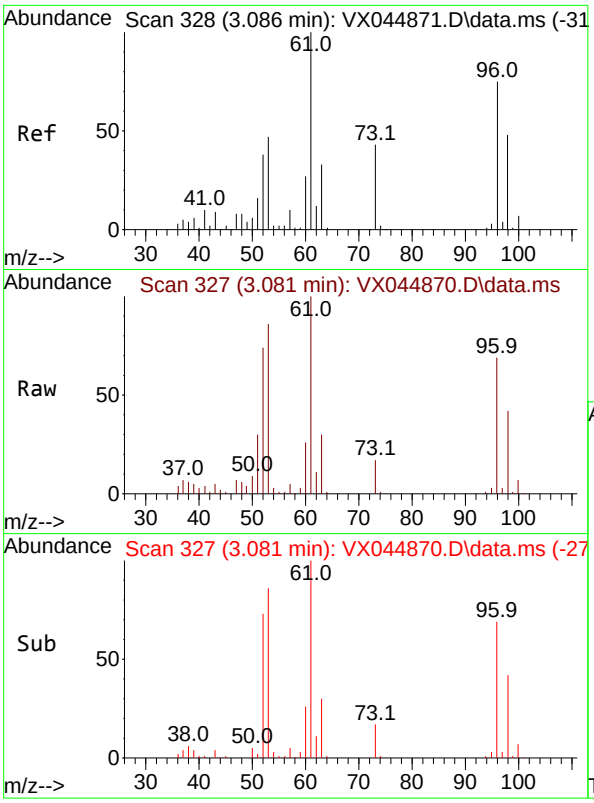


#20
Methylene Chloride
Concen: 20.562 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 84 Resp: 38390

Ion	Ratio	Lower	Upper
84	100		
49	126.2	100.1	150.1
51	39.6	31.7	47.5
86	62.7	50.8	76.2





#21
trans-1,2-Dichloroethene
Concen: 20.730 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 96 Resp: 3406

Ion	Ratio	Lower	Upper
96	100		
61	144.3	106.0	159.0
98	60.8	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
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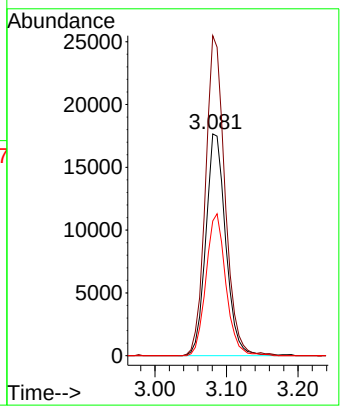
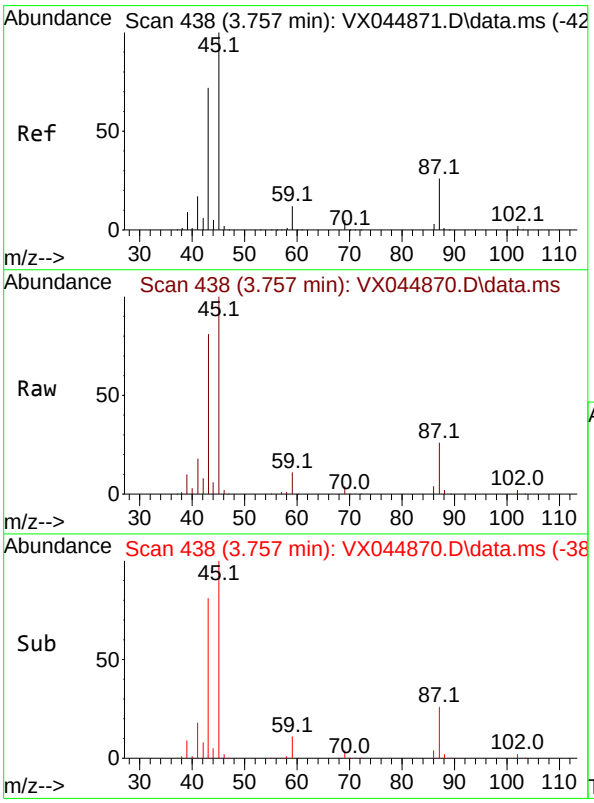
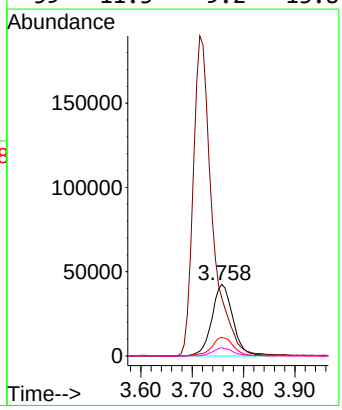


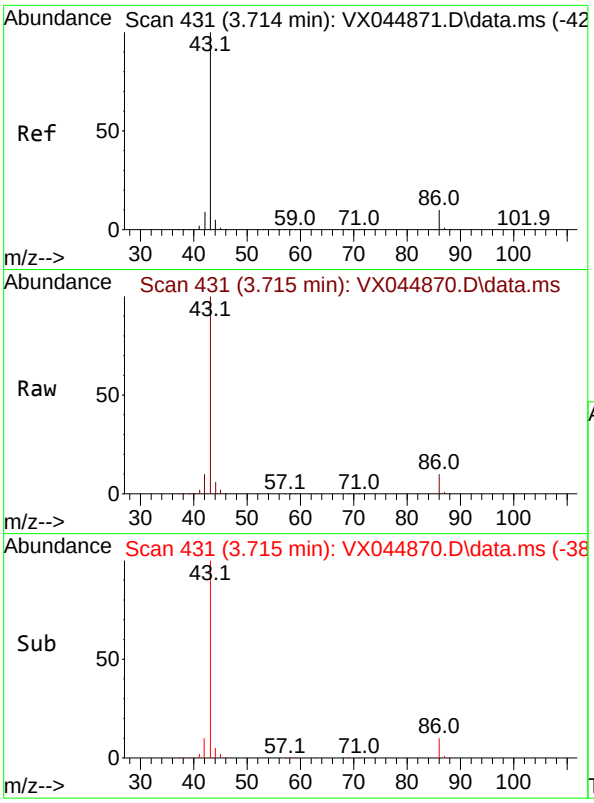


#22
Diisopropyl ether
Concen: 21.074 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 45 Resp: 120300

Ion	Ratio	Lower	Upper
45	100		
43	80.8	58.0	87.0
87	25.8	20.7	31.1
59	11.3	9.2	13.8





#23
Vinyl Acetate
Concen: 105.341 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 49023

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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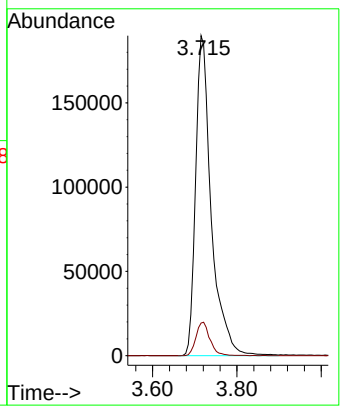
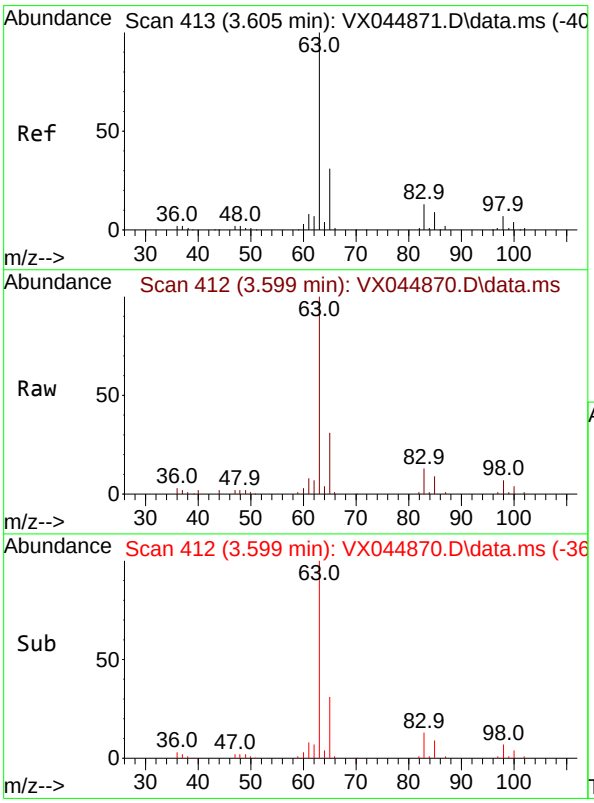
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

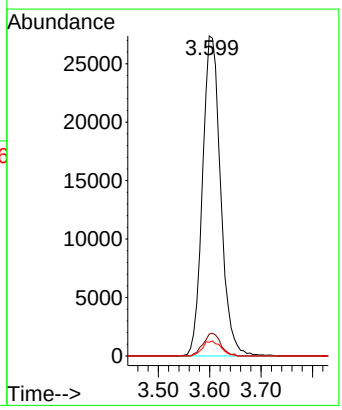


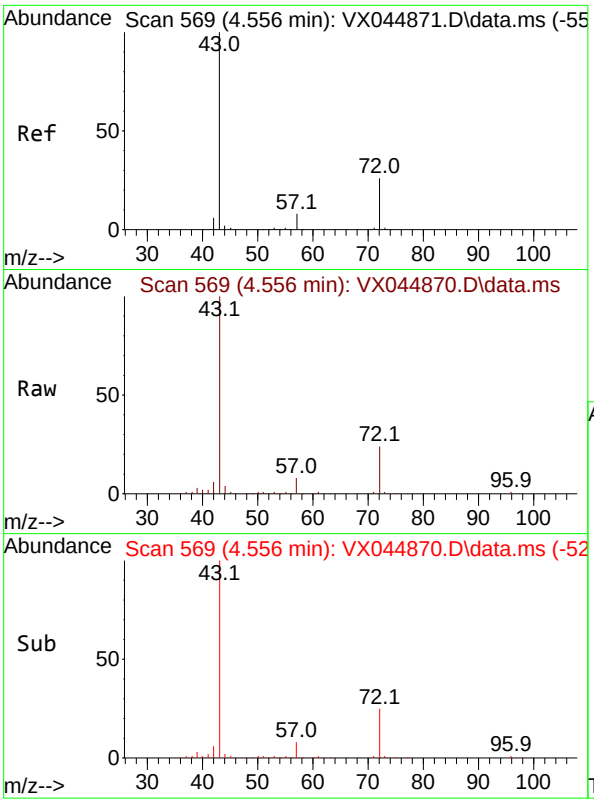


#24
1,1-Dichloroethane
Concen: 20.958 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 63 Resp: 66942

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.9
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 105.417 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 13048

Ion	Ratio	Lower	Upper
43	100		
72	24.2	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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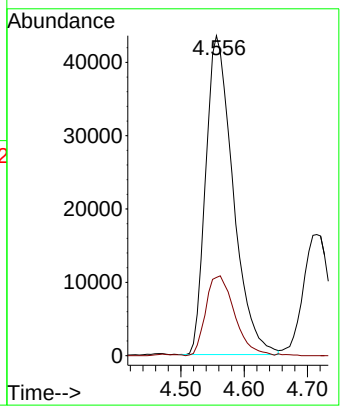
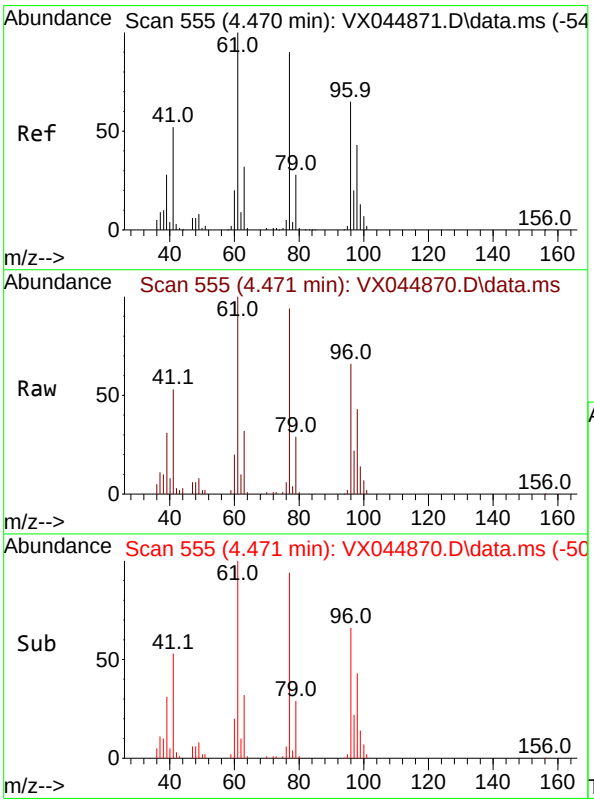
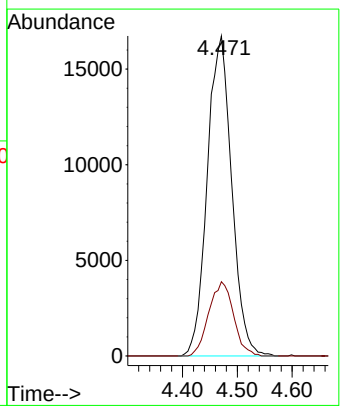


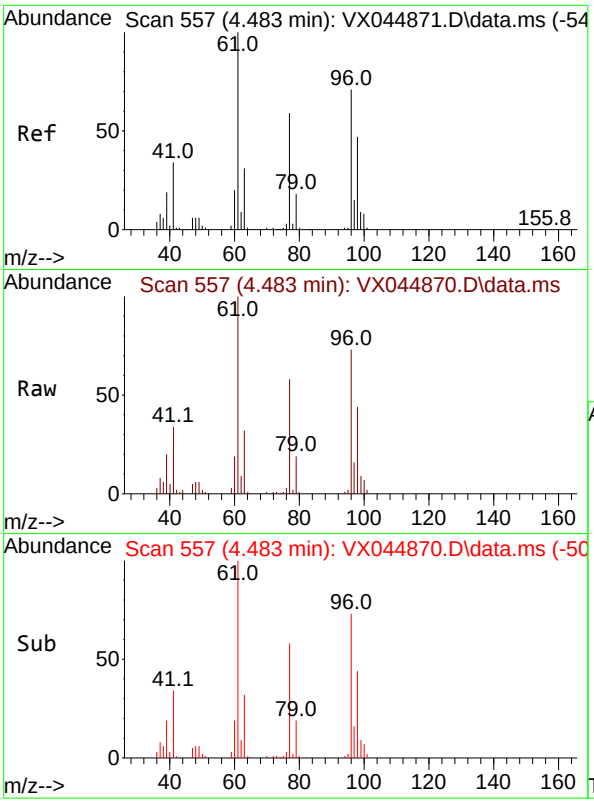


#26
2,2-Dichloropropane
Concen: 20.451 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 77 Resp: 51803

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.8	35.3





#27
cis-1,2-Dichloroethene
Concen: 21.328 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 96 Resp: 4209

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	294.0
98	63.4	0.0	131.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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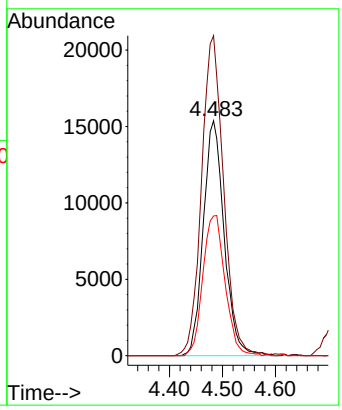
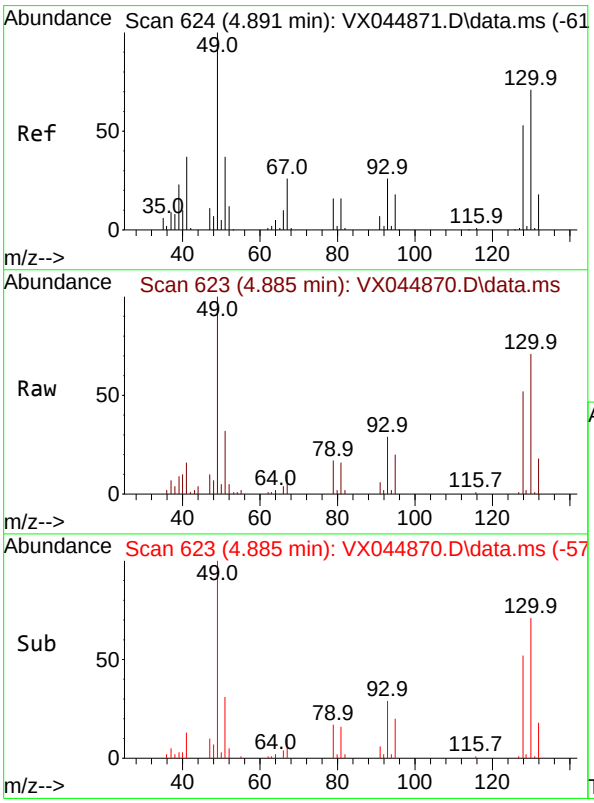
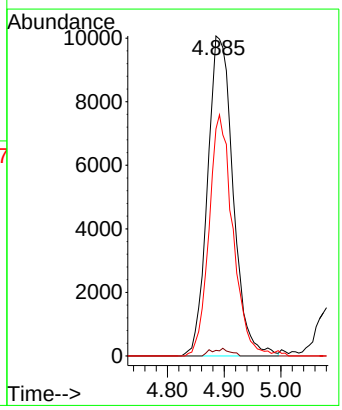


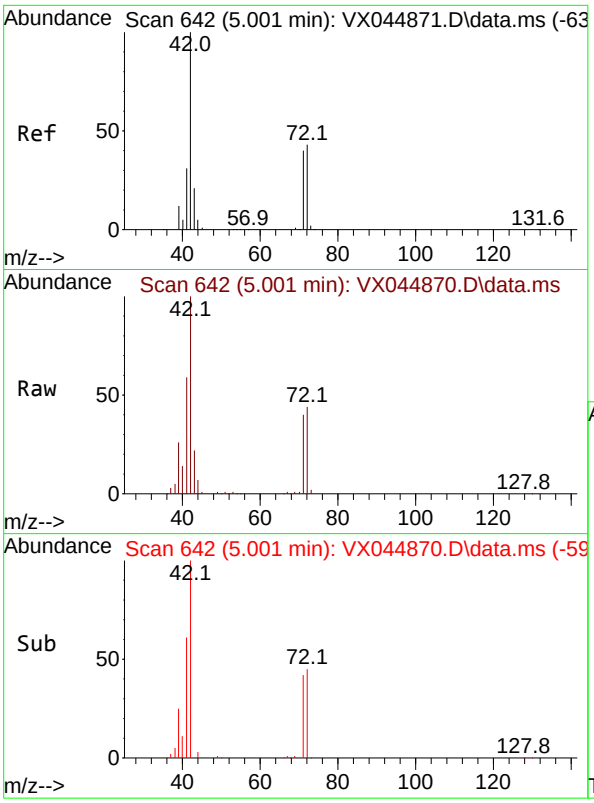


#28
Bromochloromethane
Concen: 20.504 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 49 Resp: 31474

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	70.3	56.7	85.1





#29
Tetrahydrofuran
Concen: 105.700 ug/l
RT: 5.001 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 42 Resp: 8687

Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.0	52.4
71	40.4	32.6	48.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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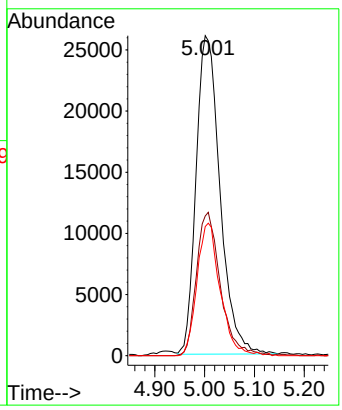
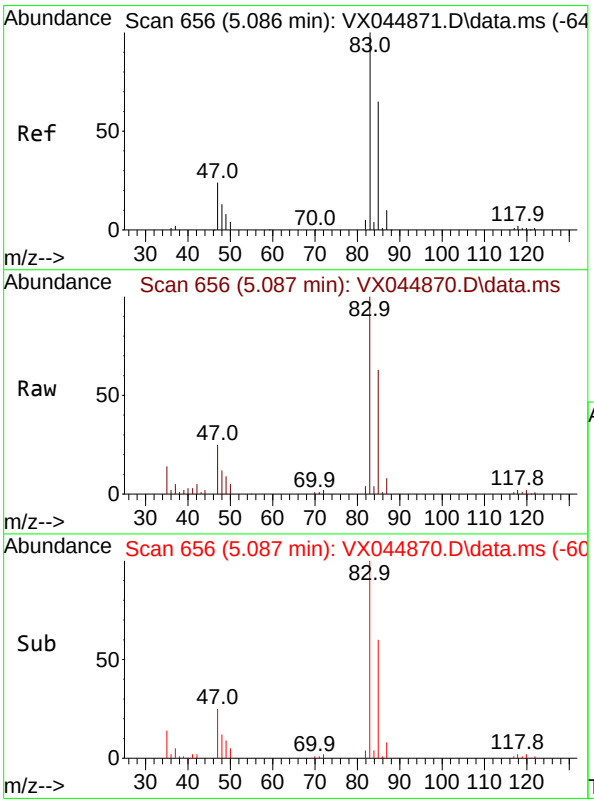
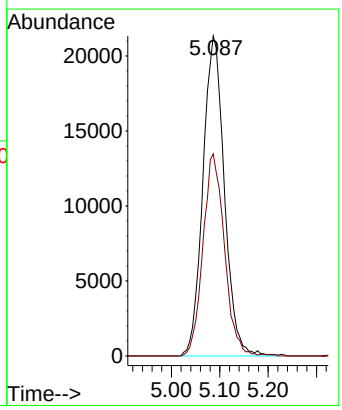


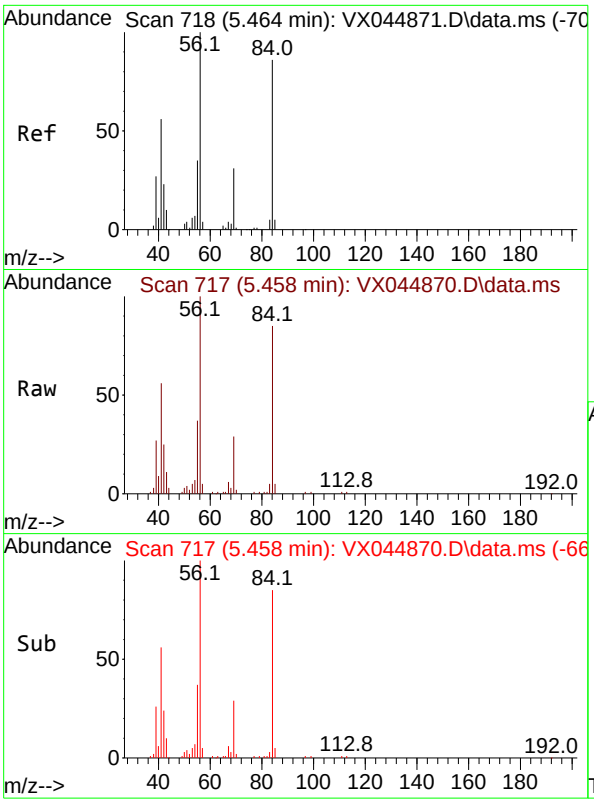


#30
Chloroform
Concen: 21.217 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 83 Resp: 65721

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.1	78.1





#31
Cyclohexane
Concen: 20.653 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 56 Resp: 6081

Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.4	36.6
84	83.1	69.0	103.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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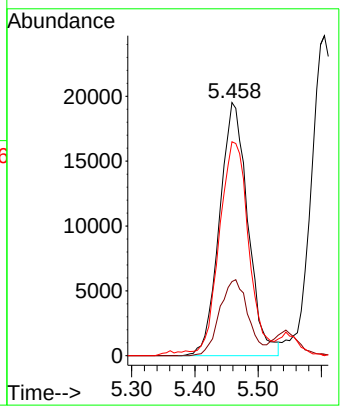
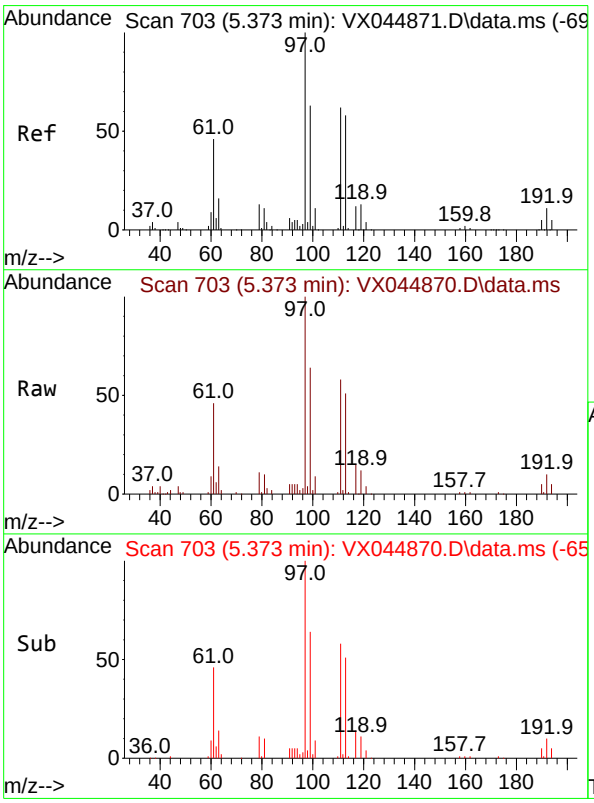
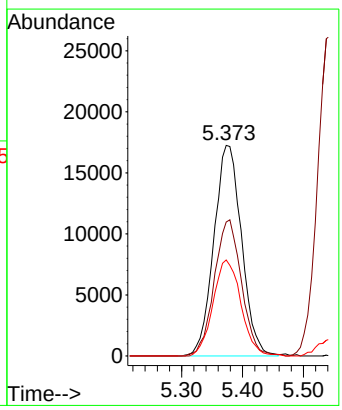


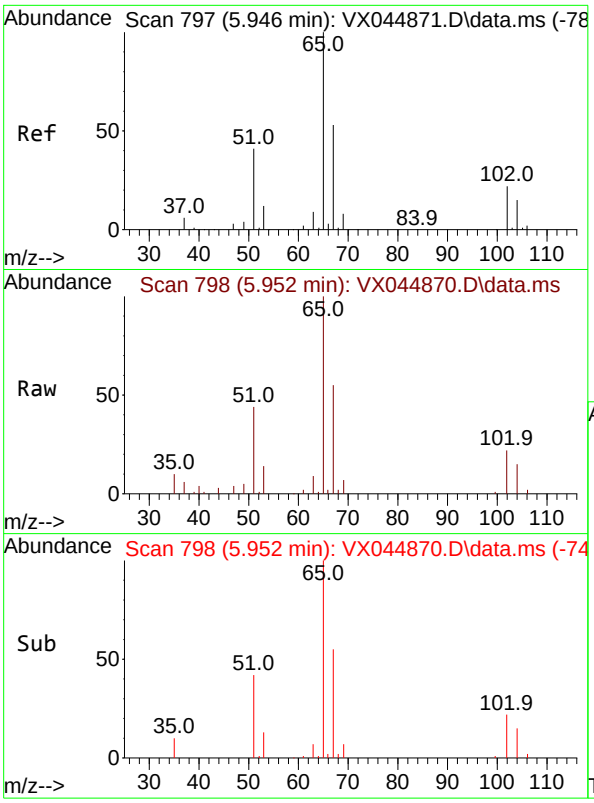


#32
1,1,1-Trichloroethane
Concen: 20.724 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 97 Resp: 54450

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	45.9	36.6	55.0





#33
1,2-Dichloroethane-d4
Concen: 19.616 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 65 Resp: 3719

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	108.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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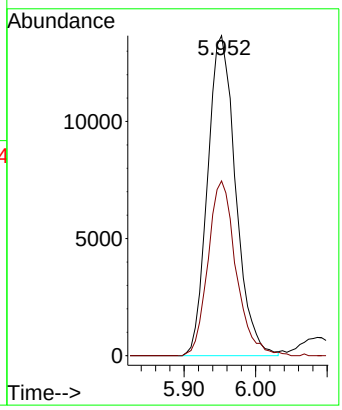
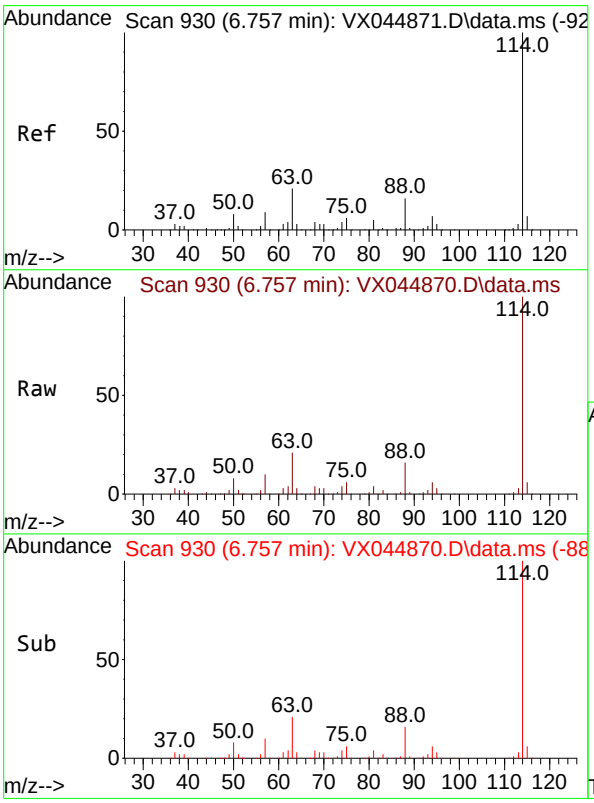
Supervised By :Mahesh Dadoda 02/11/2025

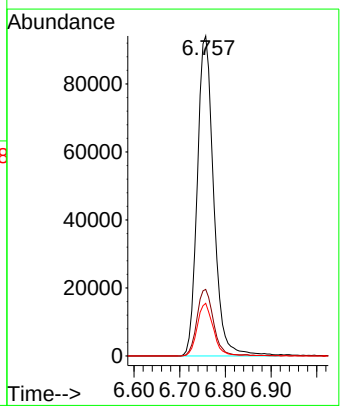


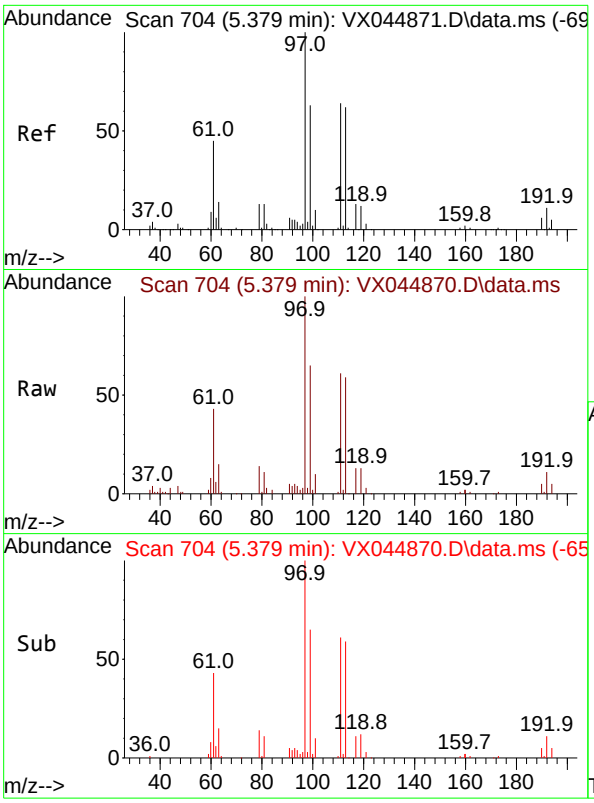


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:114 Resp: 234445

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.4
88	16.4	0.0	31.4





#35
Dibromofluoromethane
Concen: 19.793 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:113 Resp: 3017

Ion	Ratio	Lower	Upper
113	100		
111	106.3	83.5	125.3
192	18.3	14.4	21.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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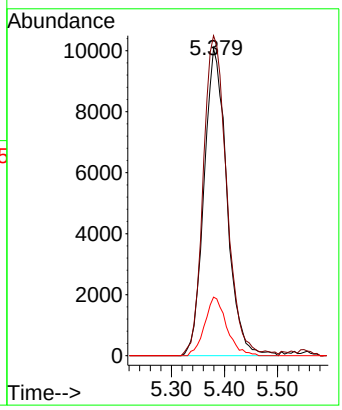
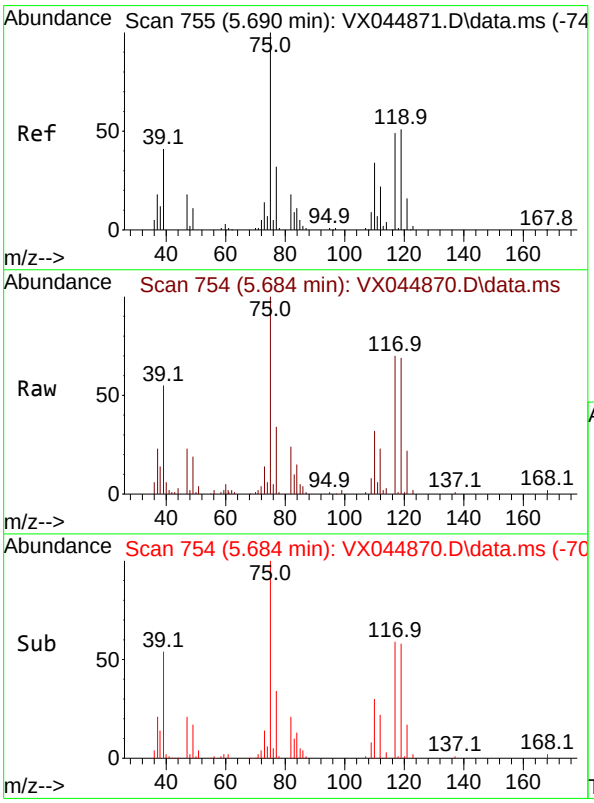
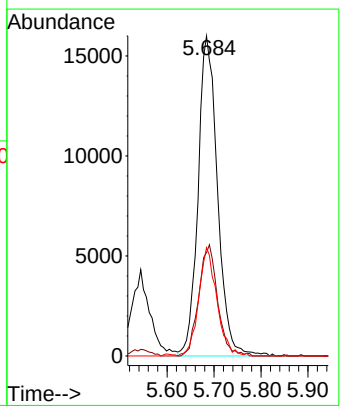


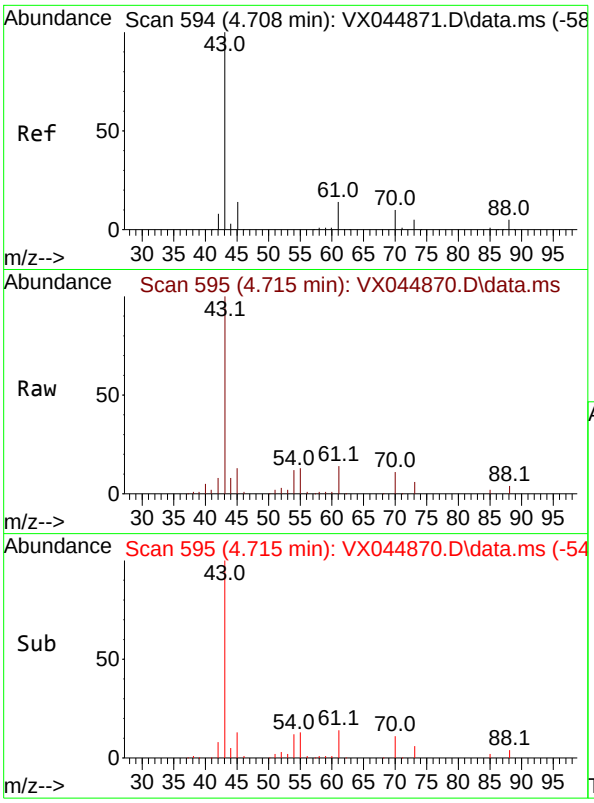


#36
1,1-Dichloropropene
Concen: 20.913 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 45991

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.2	51.6
77	31.7	24.6	37.0





#37
Ethyl Acetate
Concen: 20.949 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 5124

Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	9.9	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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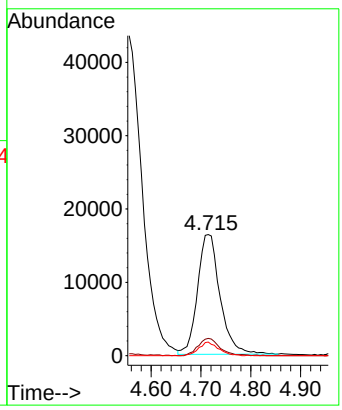
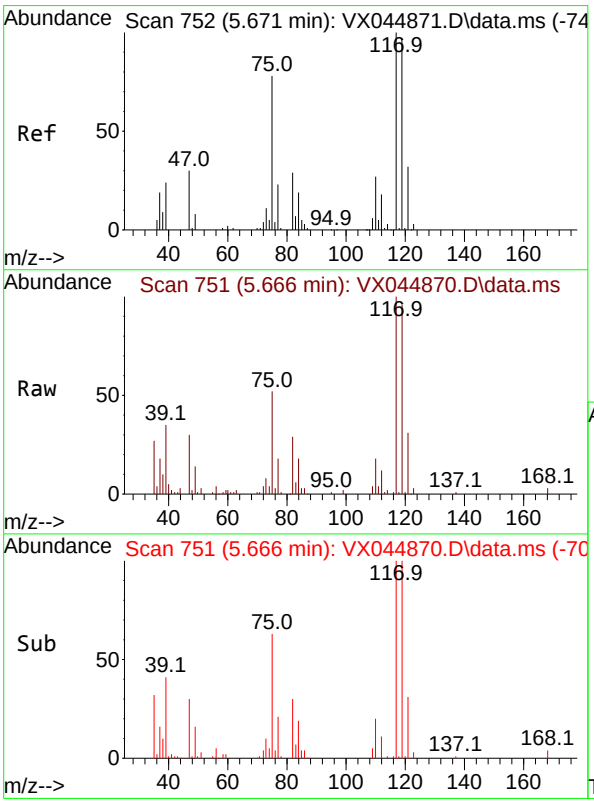
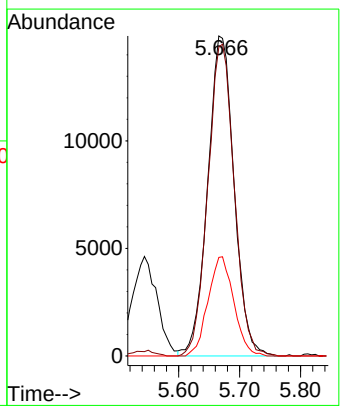


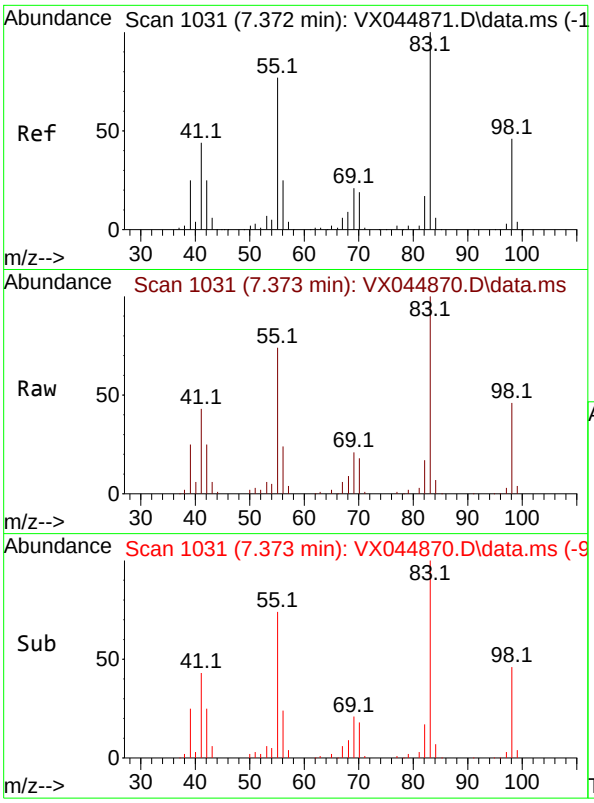


#38
Carbon Tetrachloride
Concen: 20.790 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:117 Resp: 44802

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.5	116.3
121	30.8	25.6	38.4





#39
Methylcyclohexane
Concen: 21.985 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 83 Resp: 6250

Ion	Ratio	Lower	Upper
83	100		
55	74.3	61.3	91.9
98	46.1	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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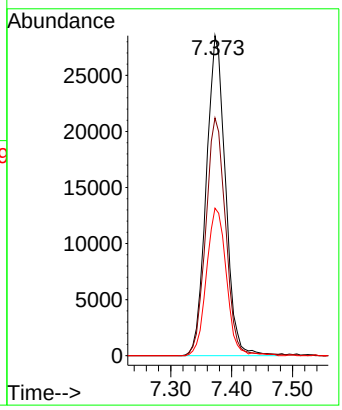
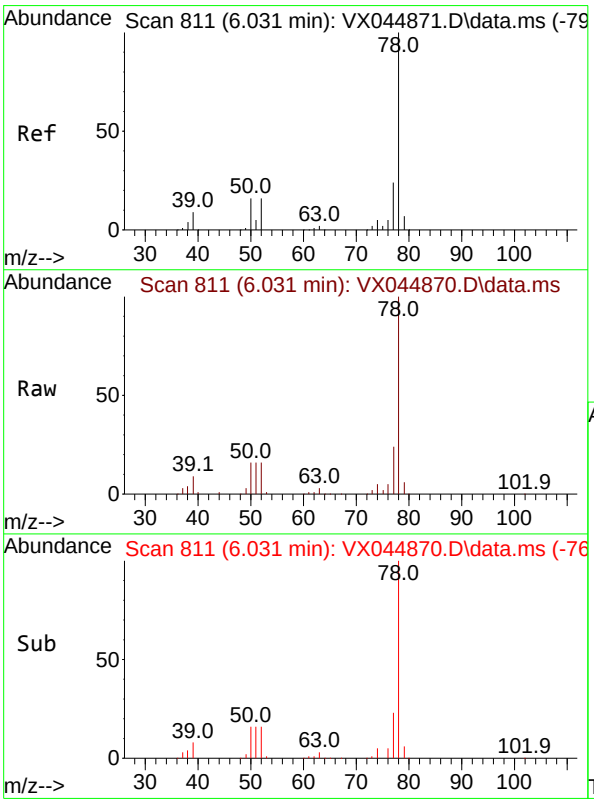
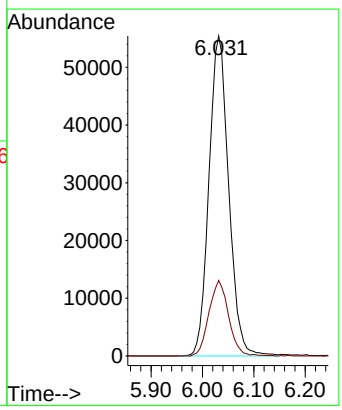


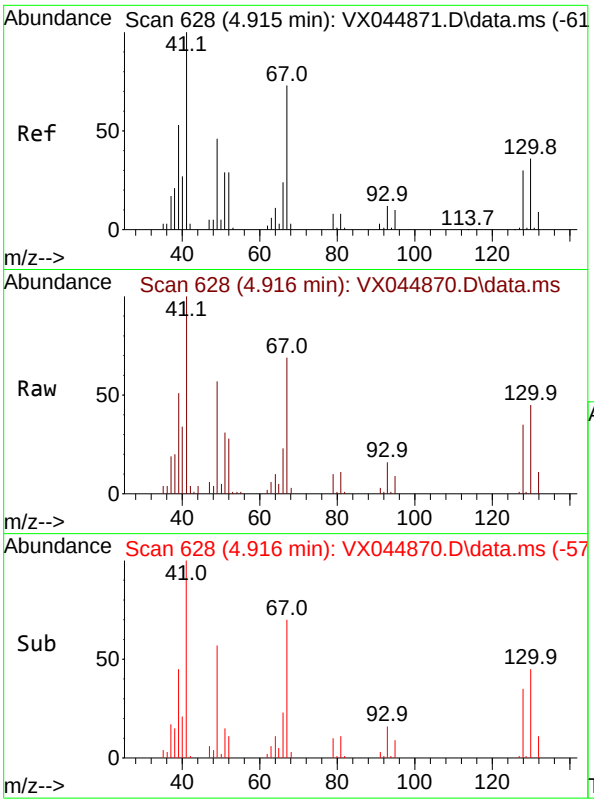


#40
Benzene
Concen: 21.540 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 78 Resp: 147912

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





#41
Methacrylonitrile
Concen: 20.887 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 2734

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.1	64.7
67	78.6	57.0	85.6
52	31.4	24.0	36.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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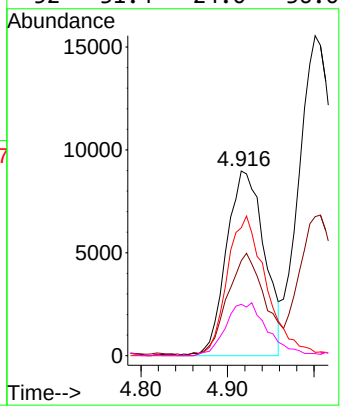
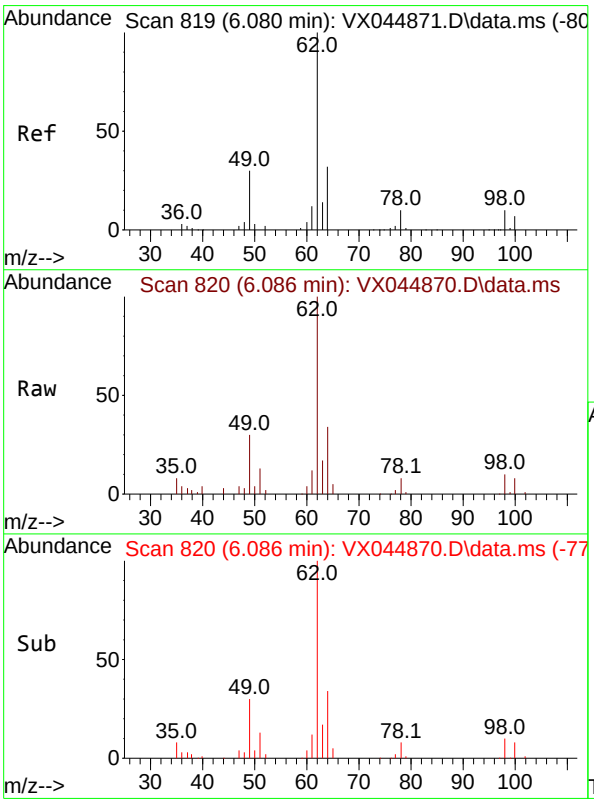
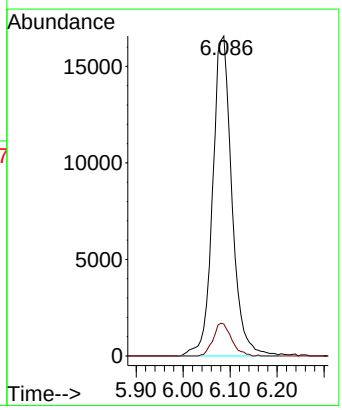


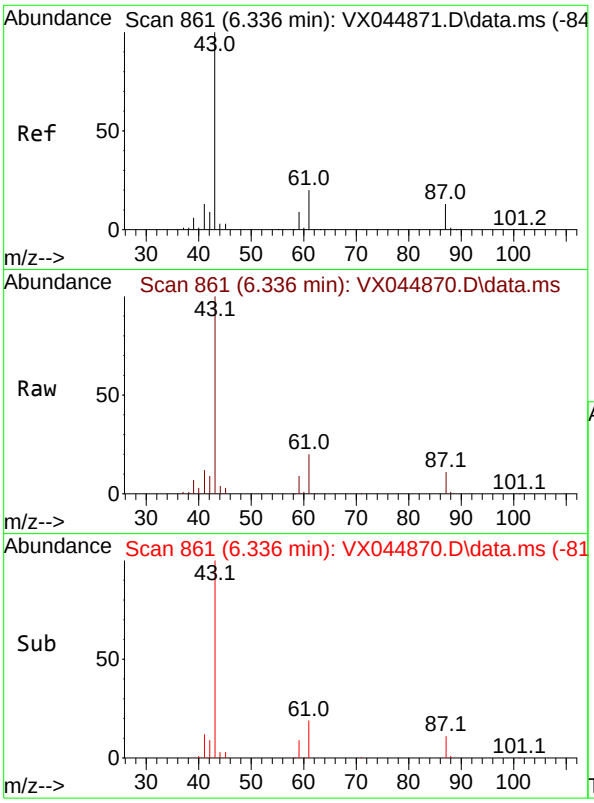


#42
1,2-Dichloroethane
Concen: 21.519 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 47095

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43
Isopropyl Acetate
Concen: 21.343 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 8430

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.8
87	11.6	10.0	15.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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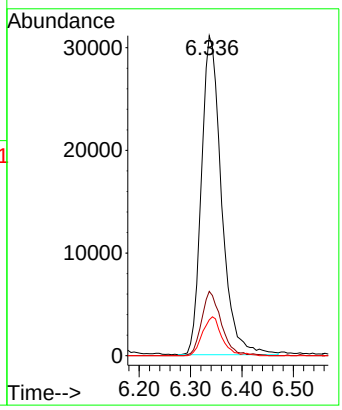
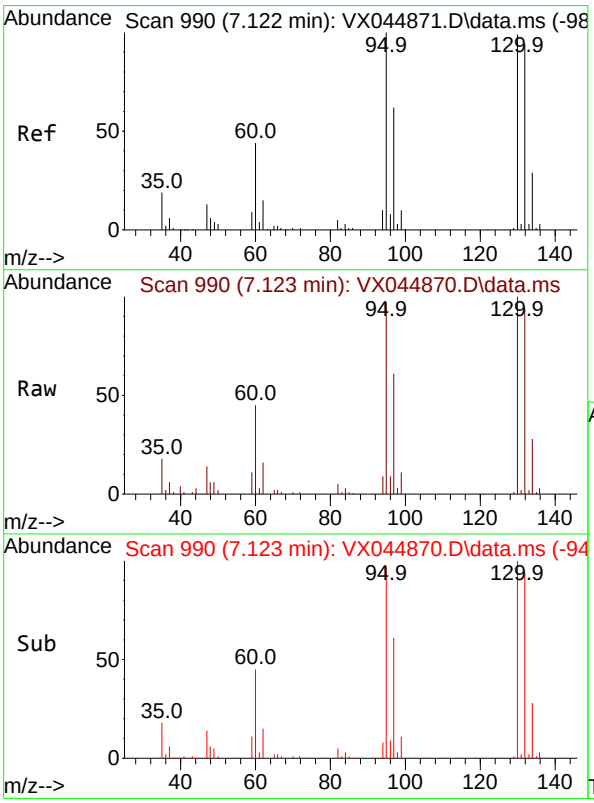
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

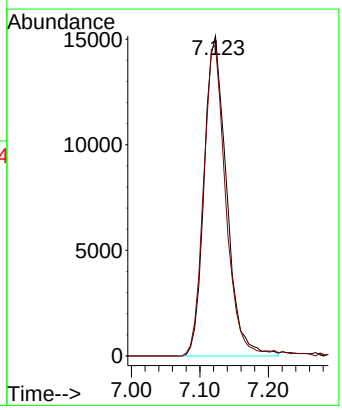


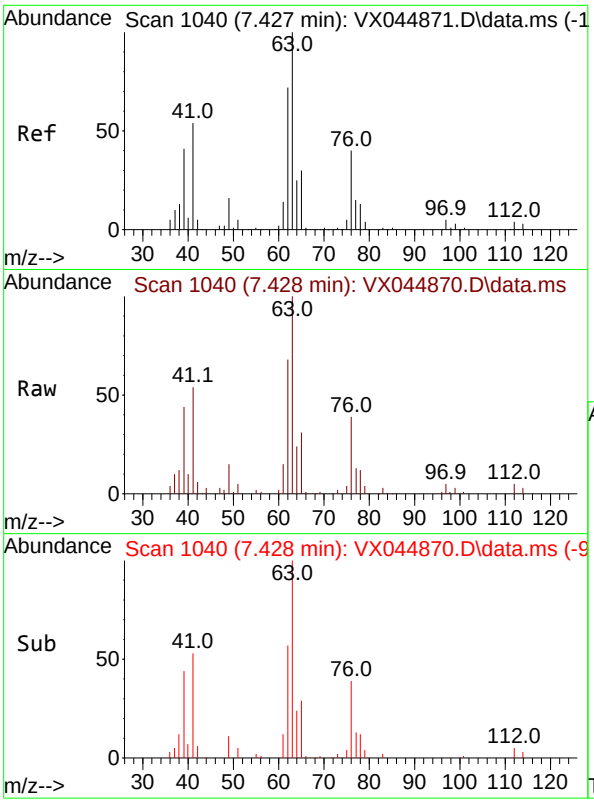


#44
Trichloroethene
Concen: 21.910 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:130 Resp: 34390

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	202.4





#45
1,2-Dichloropropane
Concen: 21.371 ug/l
RT: 7.428 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 63 Resp: 3651(

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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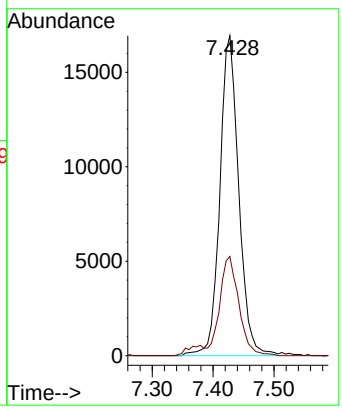
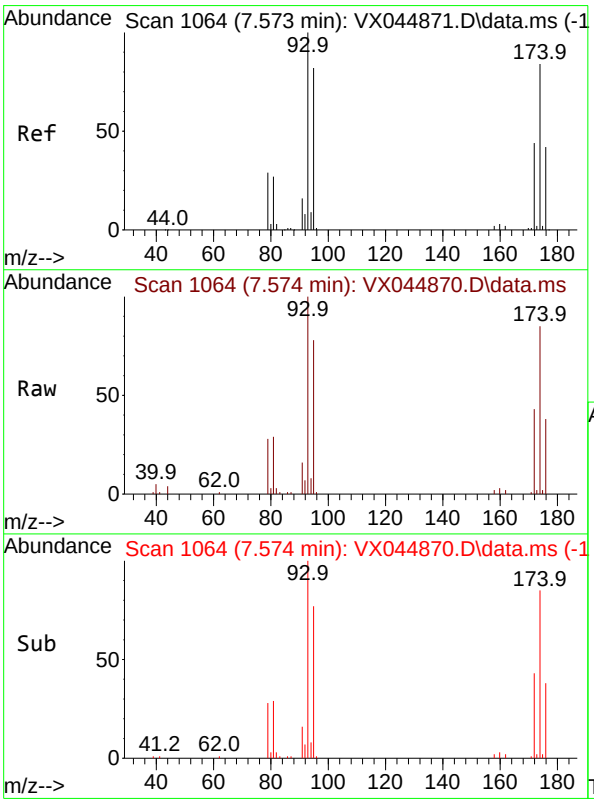
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

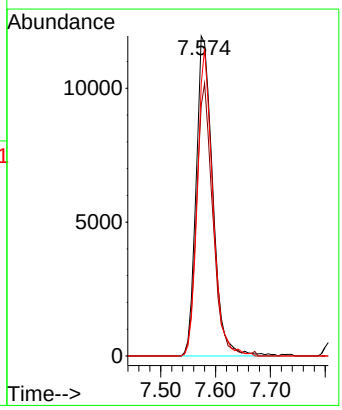


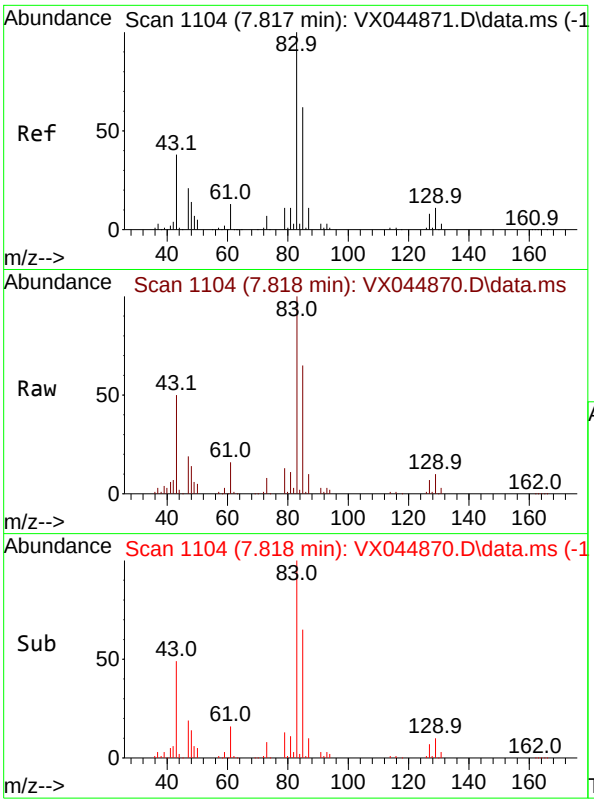


#46
Dibromomethane
Concen: 21.354 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 93 Resp: 25300

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.2	99.4
174	88.6	69.9	104.9





#47
Bromodichloromethane
Concen: 21.012 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 4820

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.0	75.0
127	7.1	6.4	9.6

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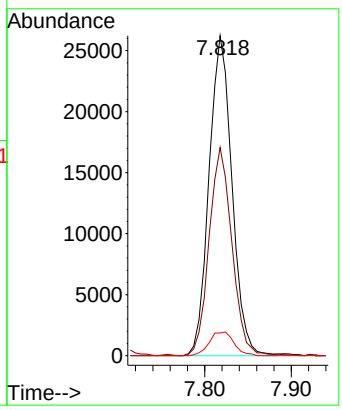
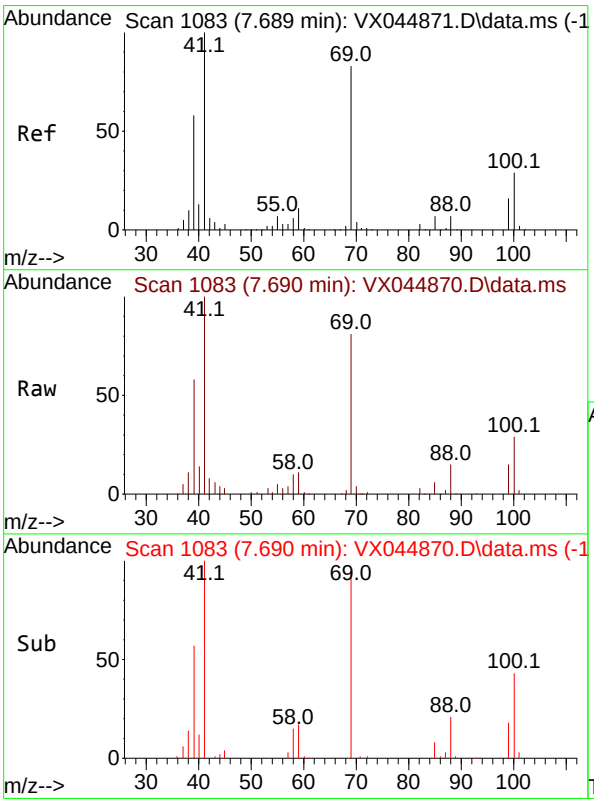
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

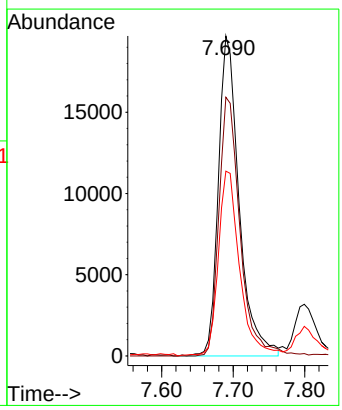


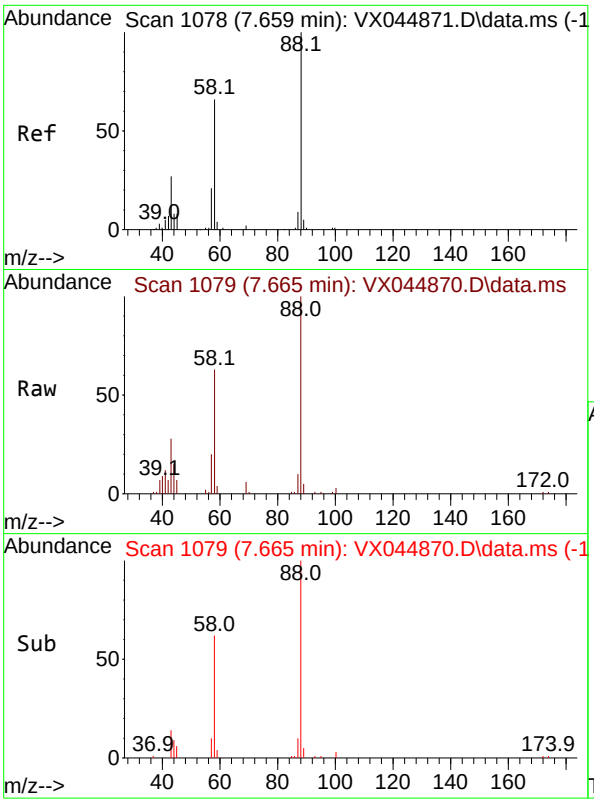


#48
Methyl methacrylate
Concen: 21.341 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 39747

Ion	Ratio	Lower	Upper
41	100		
69	82.5	65.8	98.8
39	58.2	46.4	69.6





#49
1,4-Dioxane
Concen: 429.262 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 88 Resp: 1715

Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.6	39.8
58	69.3	55.9	83.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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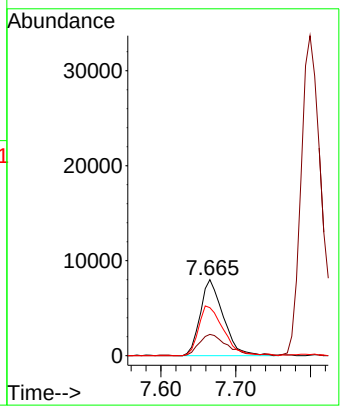
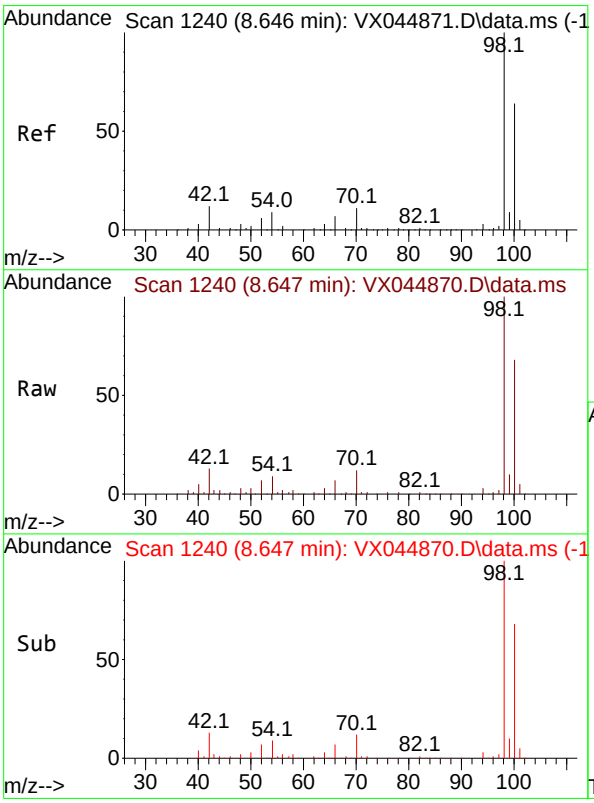
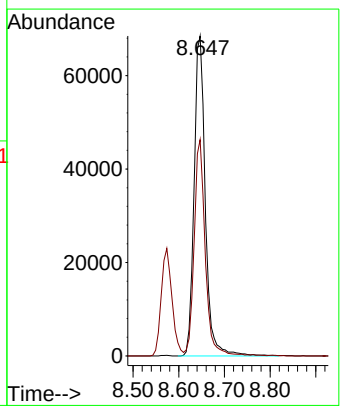


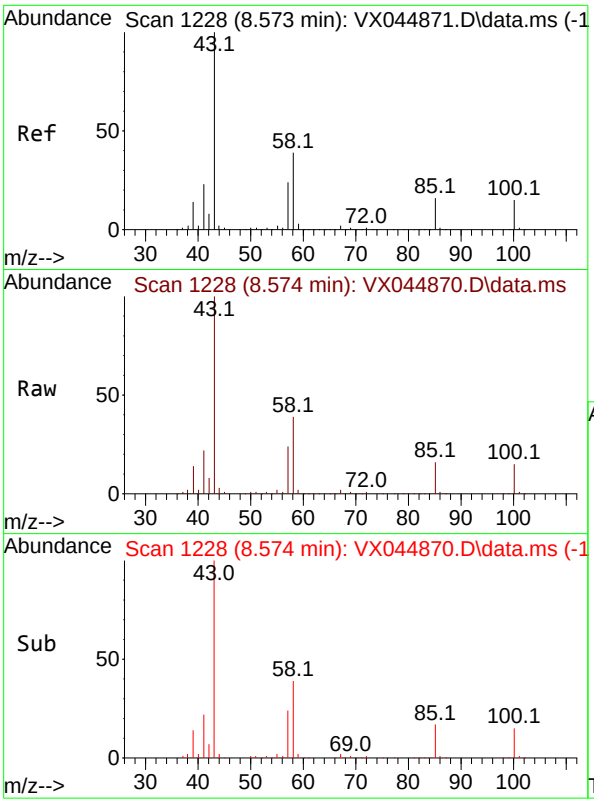


#50
Toluene-d8
Concen: 20.321 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 98 Resp: 117127

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 109.684 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 263394

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.8	46.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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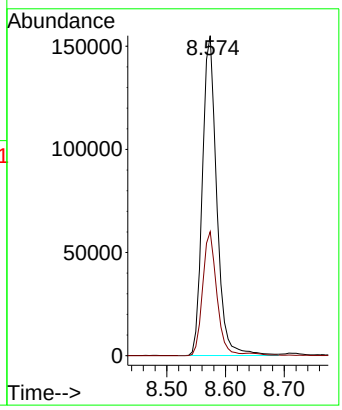
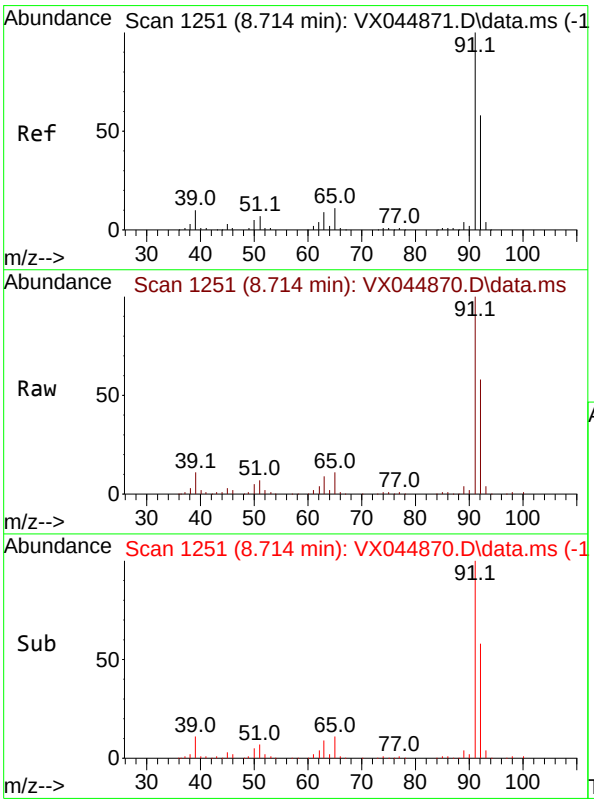
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

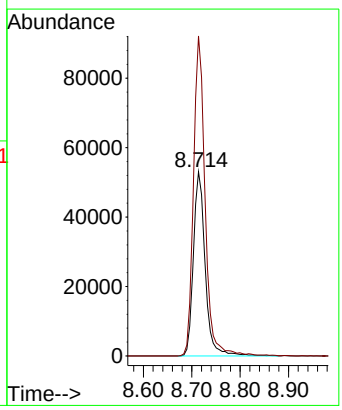


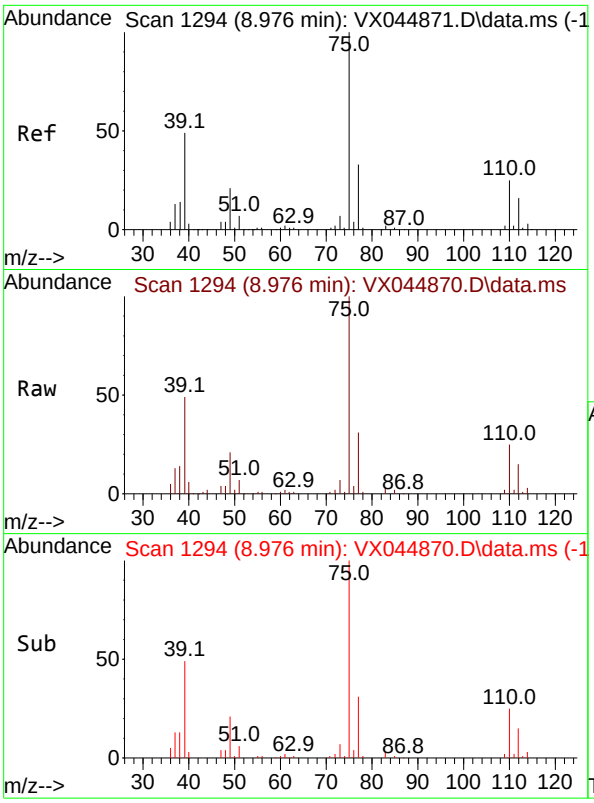


#52
Toluene
Concen: 21.940 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 92 Resp: 89726

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.4	206.2





#53
t-1,3-Dichloropropene
Concen: 20.940 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 4861

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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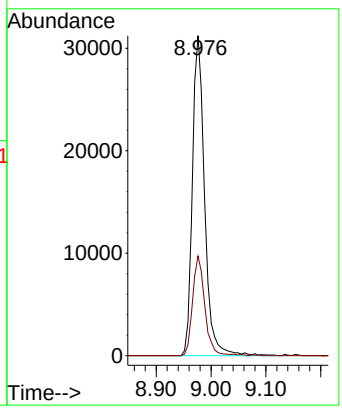
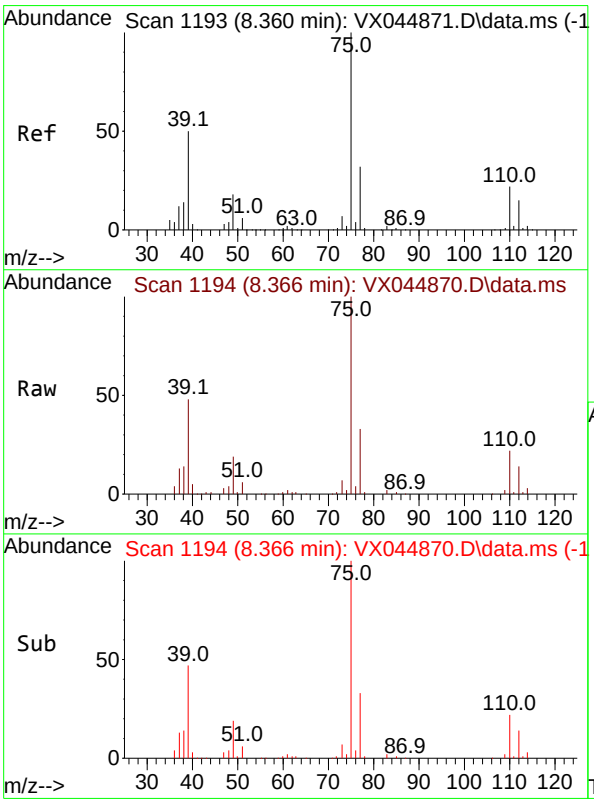
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

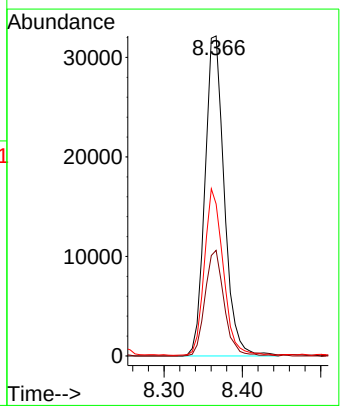


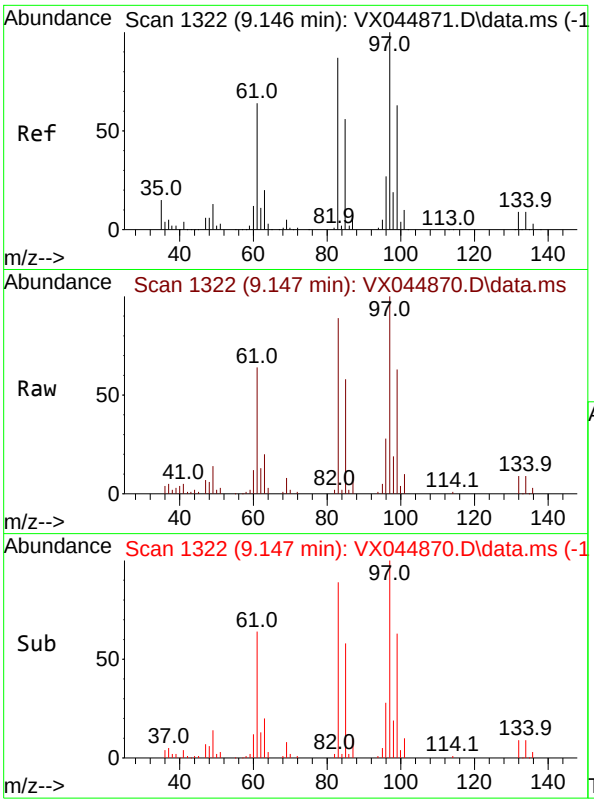


#54
cis-1,3-Dichloropropene
Concen: 21.259 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 55026

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9
39	47.3	40.0	60.0





#55
1,1,2-Trichloroethane
Concen: 21.582 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 97 Resp: 3393

Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.8	104.6
85	58.3	44.8	67.2
99	63.4	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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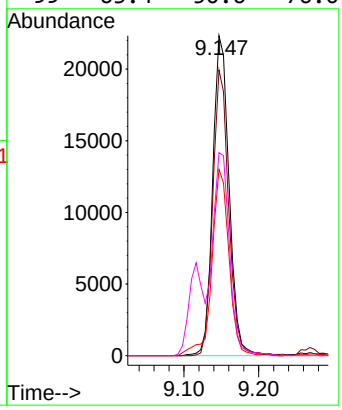
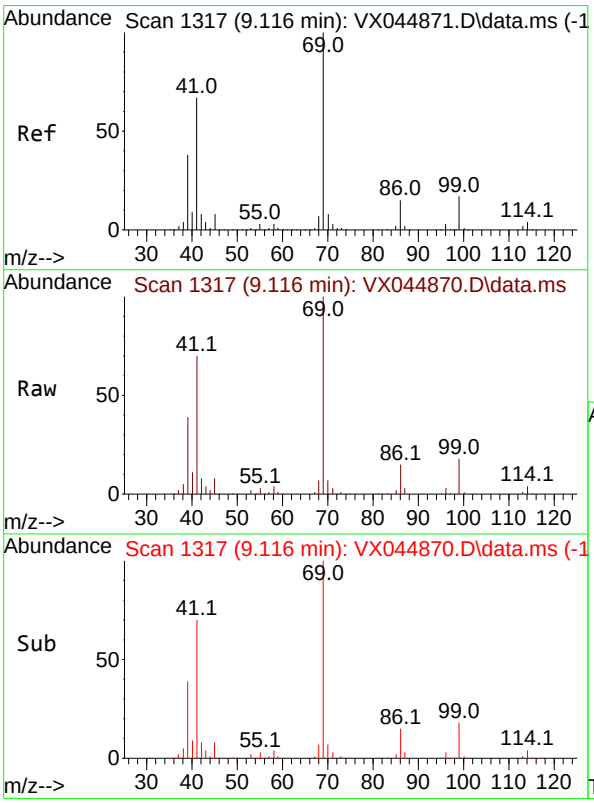
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

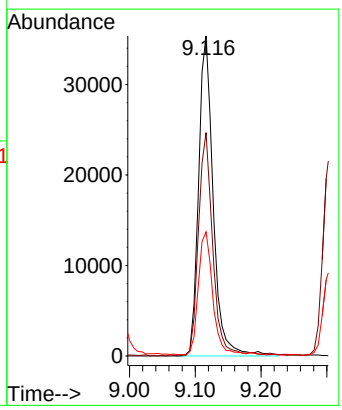


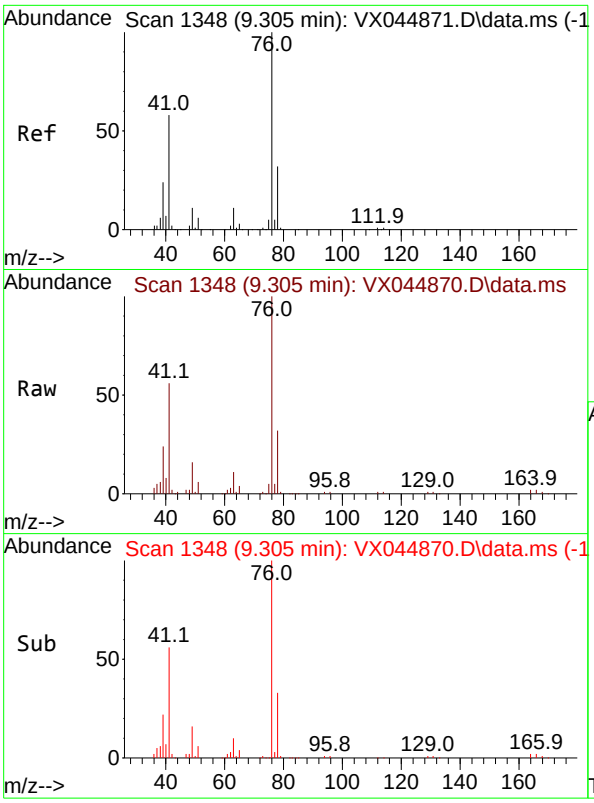


#56
Ethyl methacrylate
Concen: 21.533 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 69 Resp: 54674

Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.2	82.8
39	37.4	30.8	46.2





#57
1,3-Dichloropropane
Concen: 21.841 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 76 Resp: 6007

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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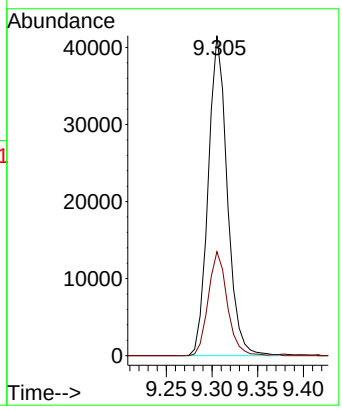
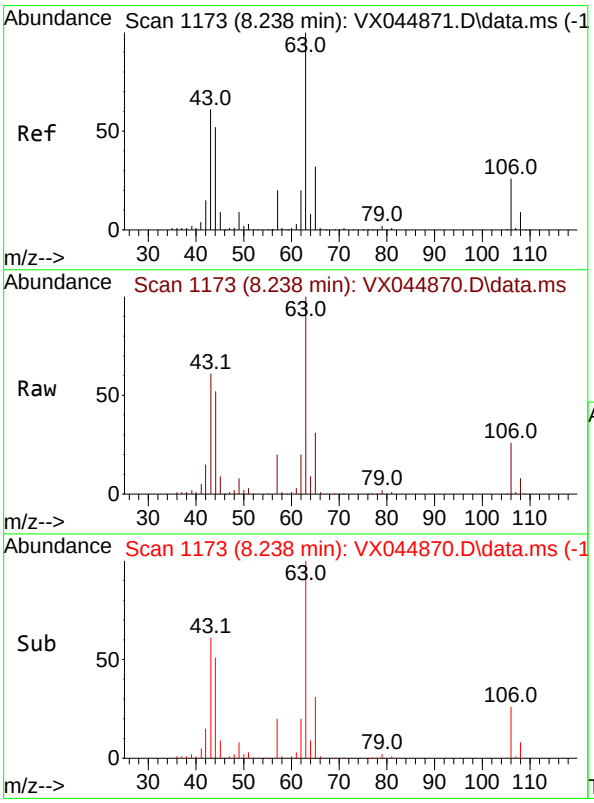
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

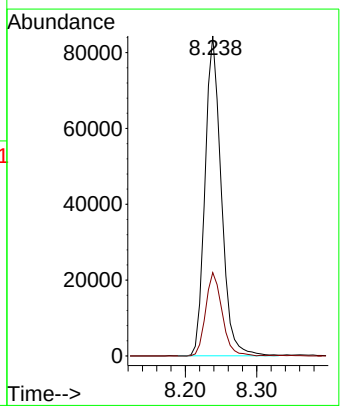


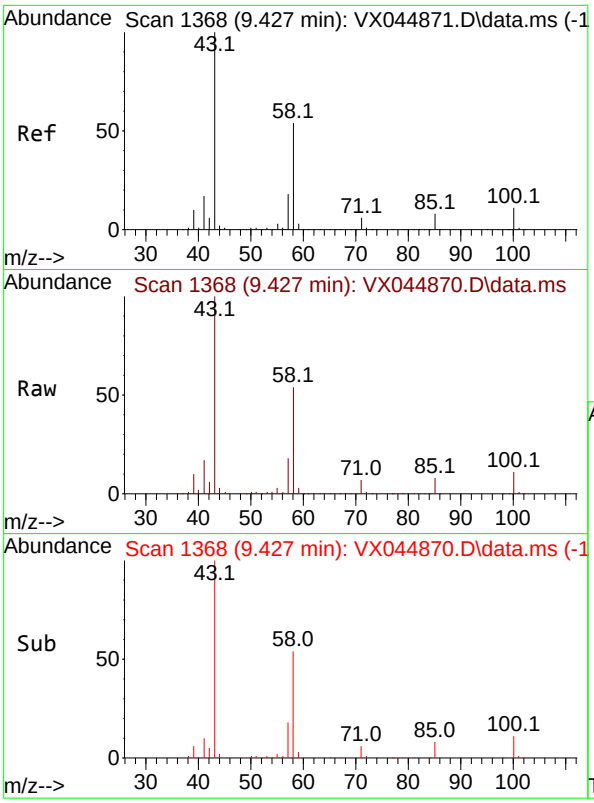


#58
2-Chloroethyl Vinyl ether
Concen: 106.736 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 63 Resp: 133072

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9





#59
2-Hexanone
Concen: 110.072 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 19044

Ion	Ratio	Lower	Upper
43	100		
58	53.5	27.5	82.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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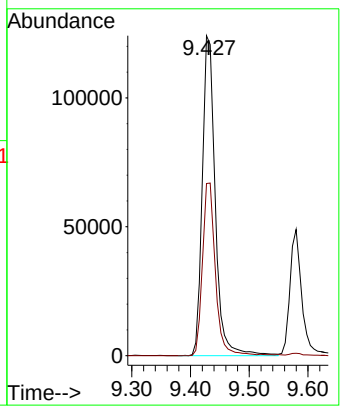
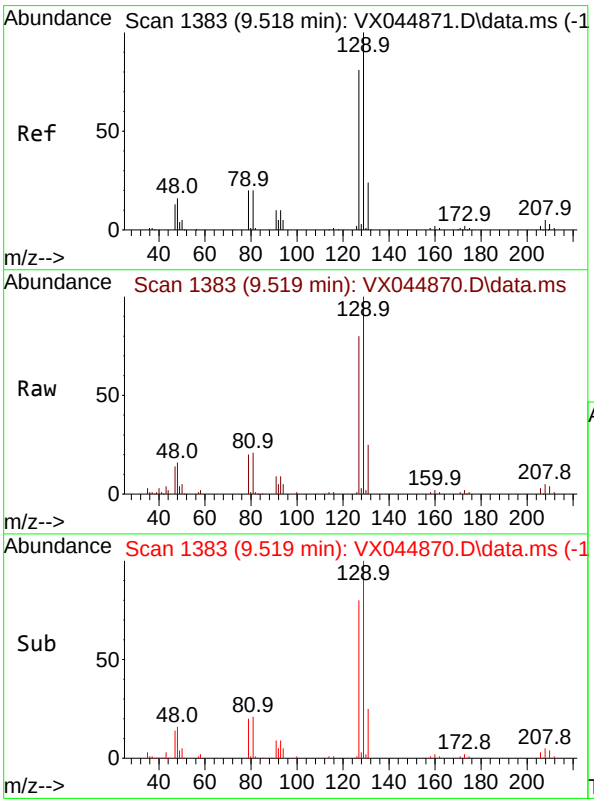
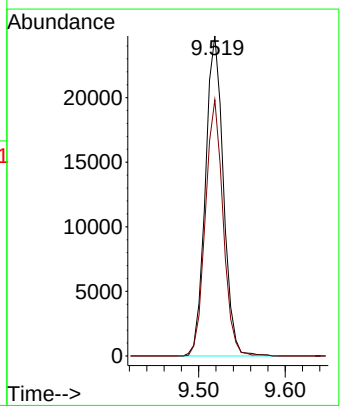


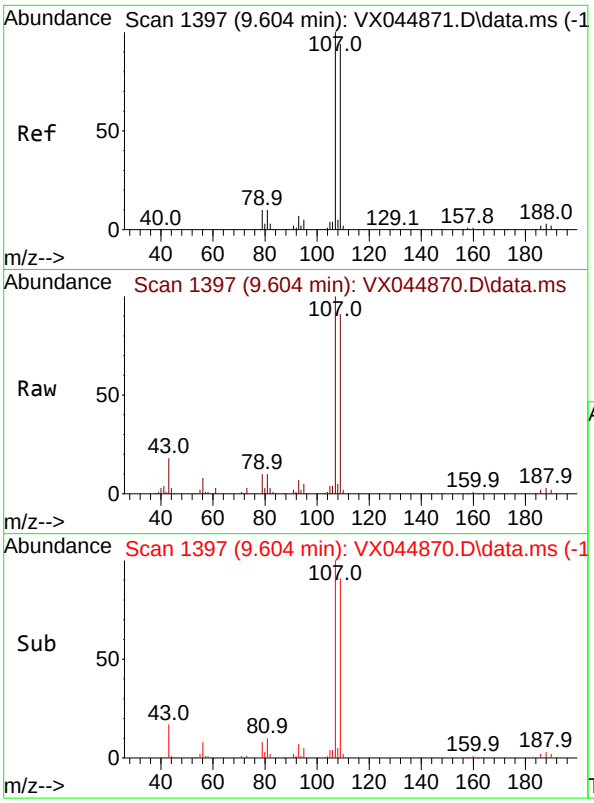


#60
Dibromochloromethane
Concen: 21.237 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:129 Resp: 35706

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.3





#61
1,2-Dibromoethane
Concen: 21.628 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:107 Resp: 3446

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.9	113.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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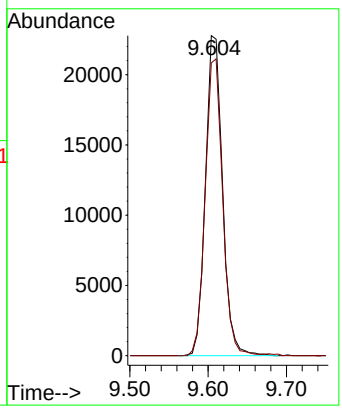
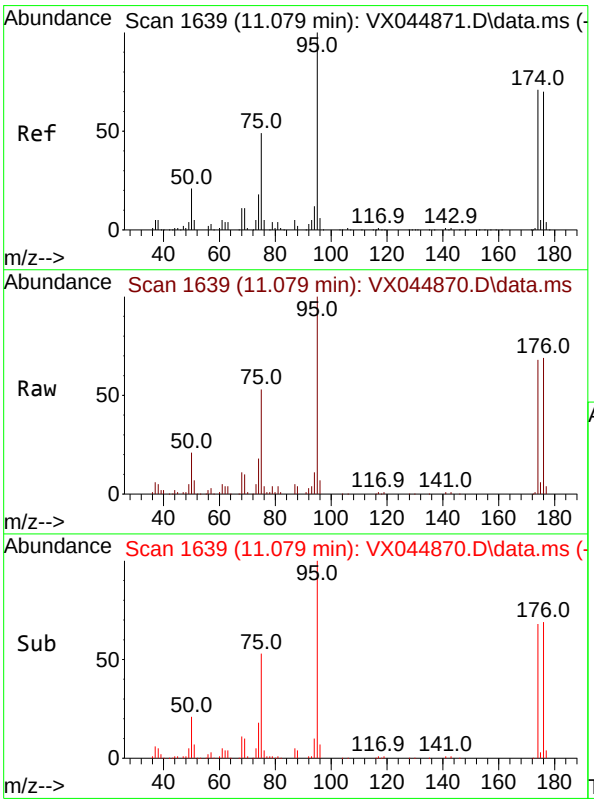
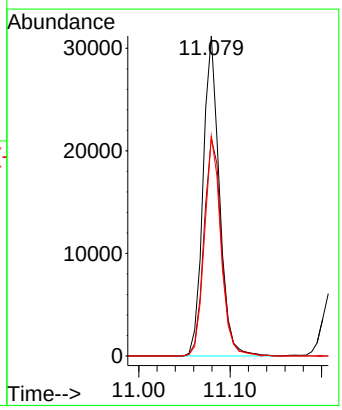


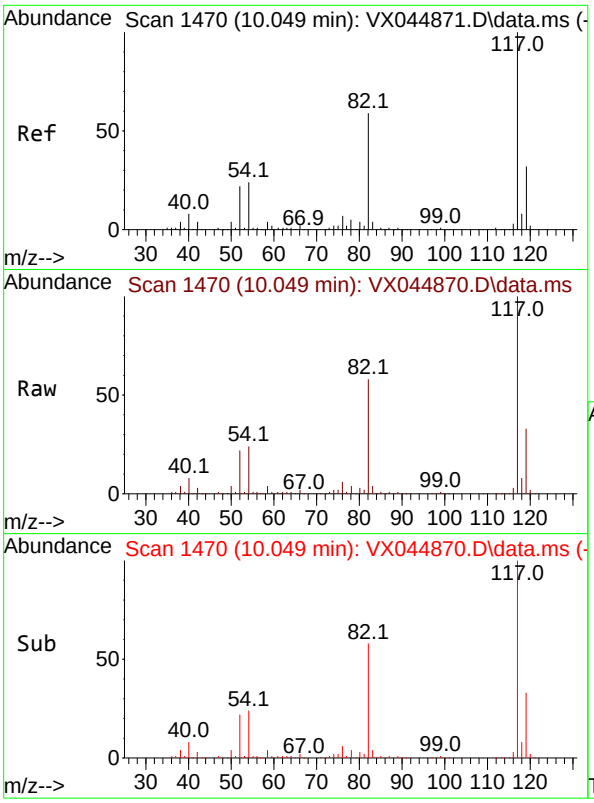


#62
4-Bromofluorobenzene
Concen: 19.800 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 95 Resp: 38475

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	142.6
176	69.0	0.0	141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:117 Resp: 20766

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.5	71.3
119	33.4	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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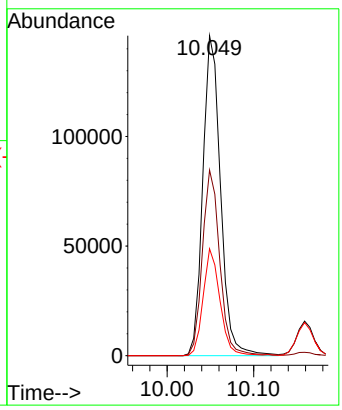
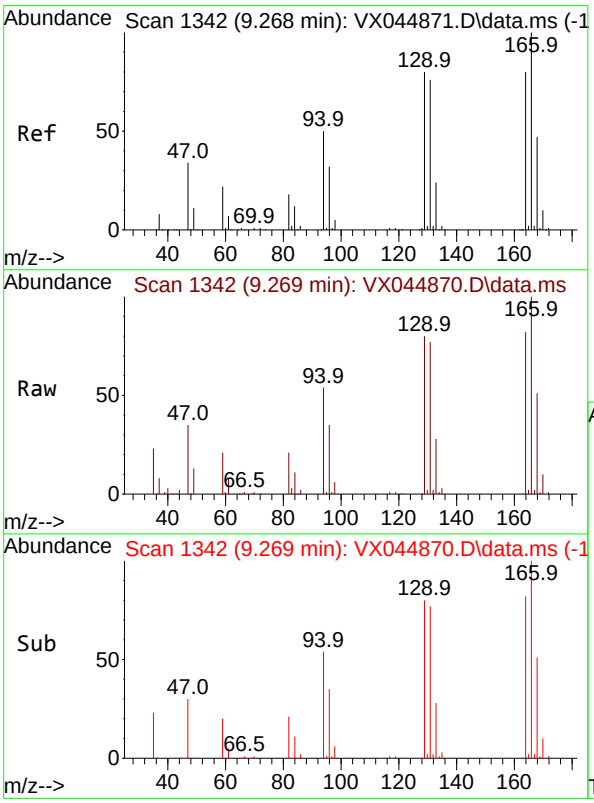
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

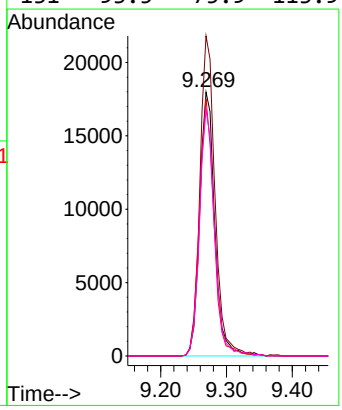


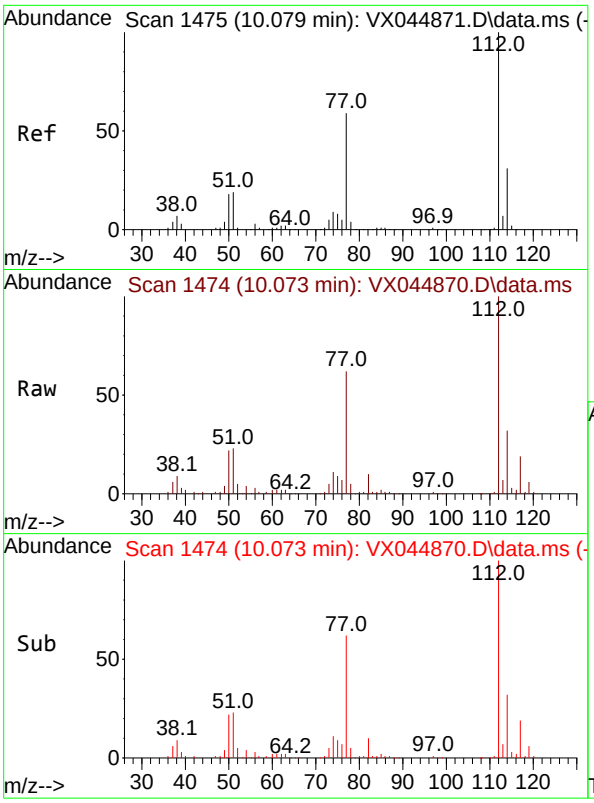


#64
Tetrachloroethene
Concen: 21.776 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:164 Resp: 28519

Ion	Ratio	Lower	Upper
164	100		
166	121.4	100.4	150.6
129	97.6	79.9	119.9
131	93.5	75.9	113.9





#65
Chlorobenzene
Concen: 21.230 ug/l
RT: 10.073 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:112 Resp: 9469

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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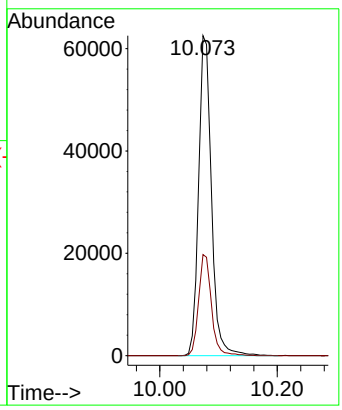
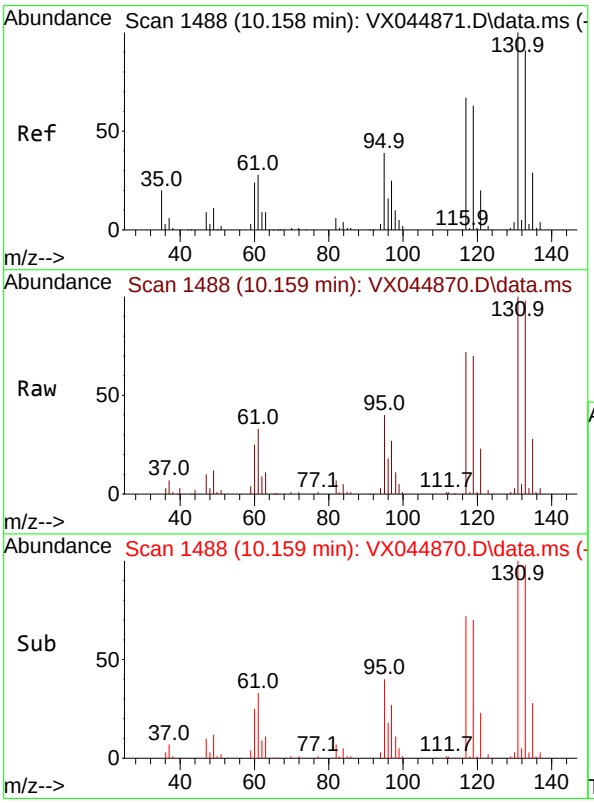
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

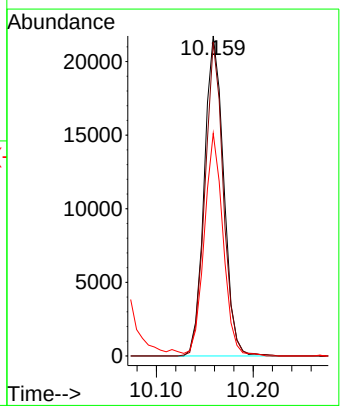


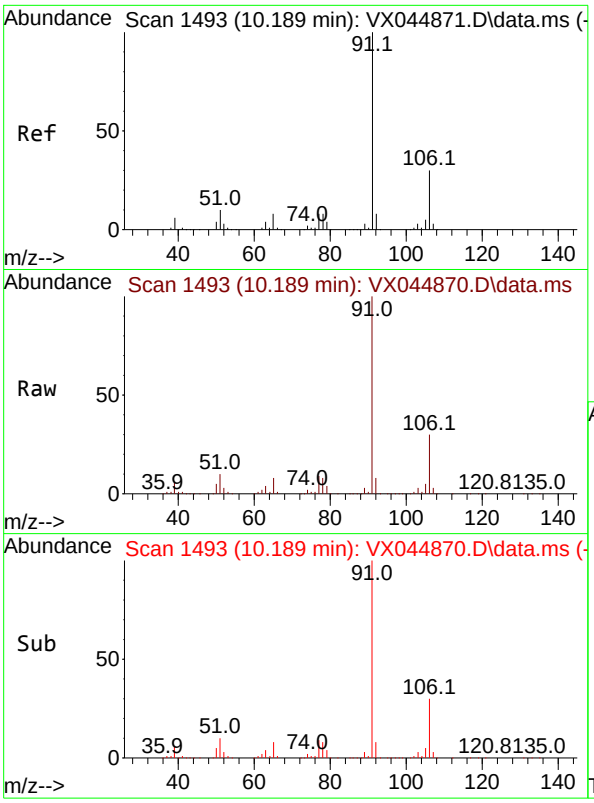


#66
1,1,1,2-Tetrachloroethane
Concen: 21.136 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:131 Resp: 30344

Ion	Ratio	Lower	Upper
131	100		
133	92.9	47.1	141.3
119	67.4	33.6	100.6





#67
Ethyl Benzene
Concen: 21.327 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 16786

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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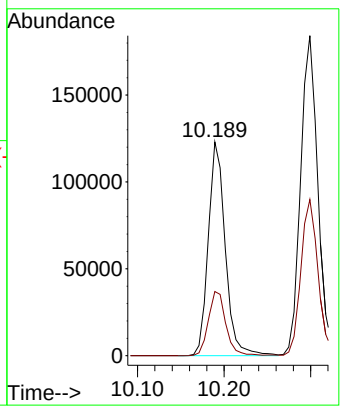
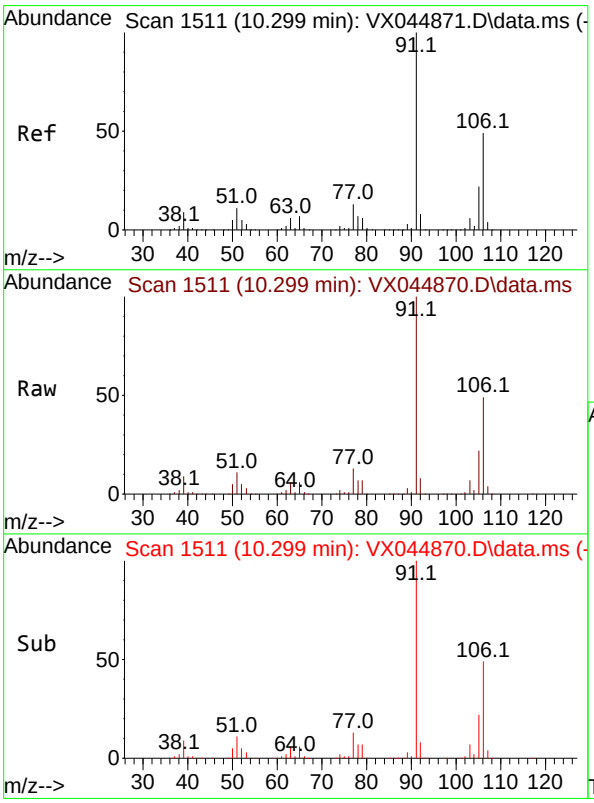
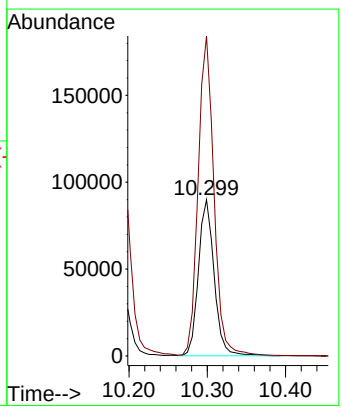


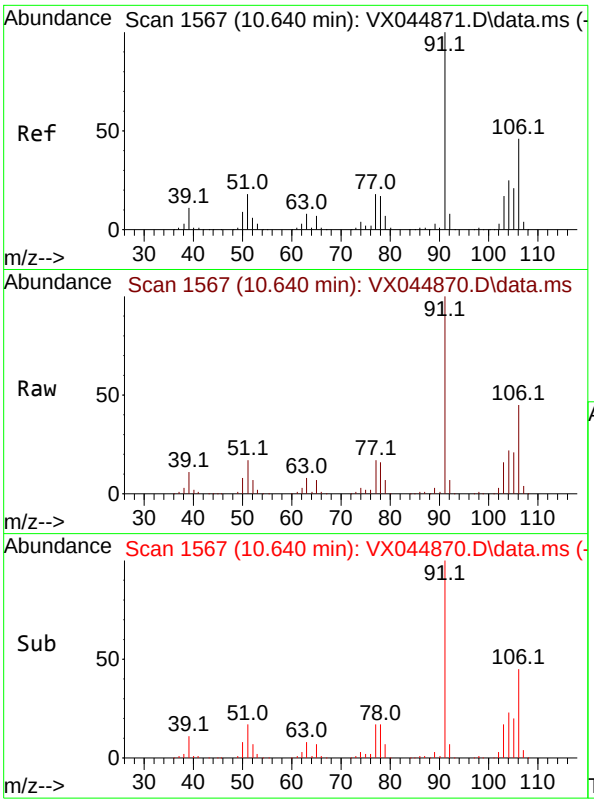


#68
m/p-Xylenes
Concen: 43.144 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:106 Resp: 125271

Ion	Ratio	Lower	Upper
106	100		
91	206.3	164.3	246.5





#69
o-Xylene
Concen: 21.310 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:106 Resp: 6208

Ion	Ratio	Lower	Upper
106	100		
91	221.5	108.5	325.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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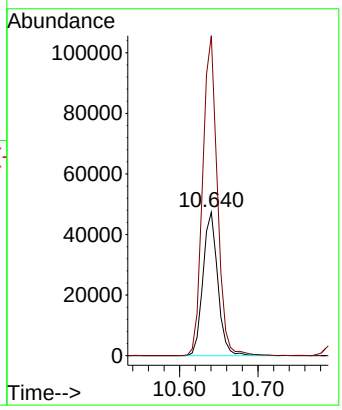
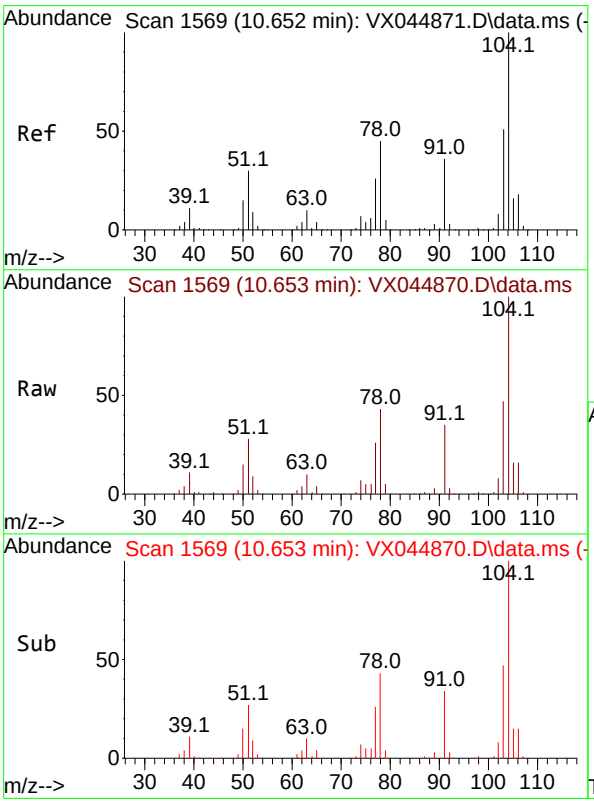
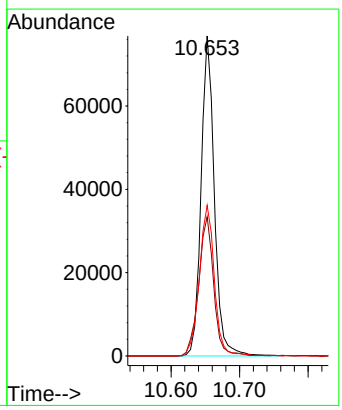


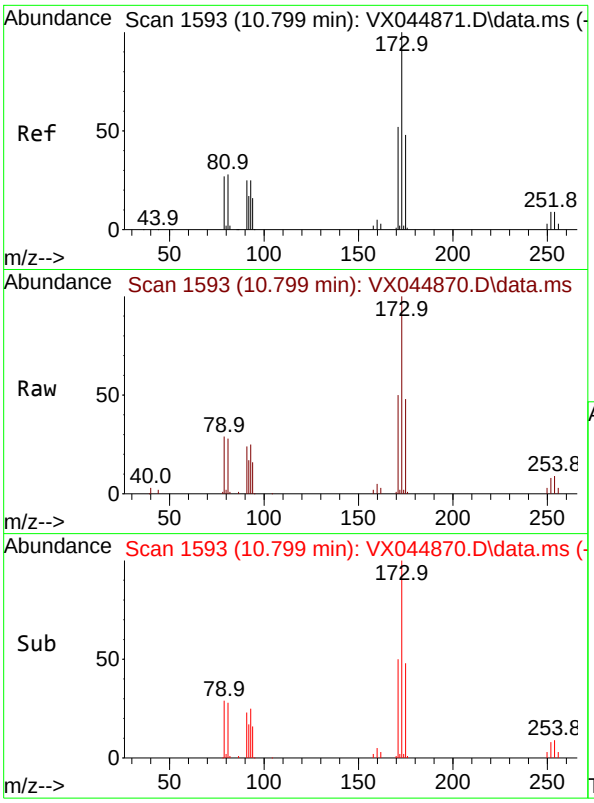


#70
Styrene
Concen: 22.101 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:104 Resp: 103740

Ion	Ratio	Lower	Upper
104	100		
78	49.2	40.5	60.7
103	53.5	43.6	65.4





#71
Bromoform
Concen: 21.086 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:173 Resp: 2259

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.8
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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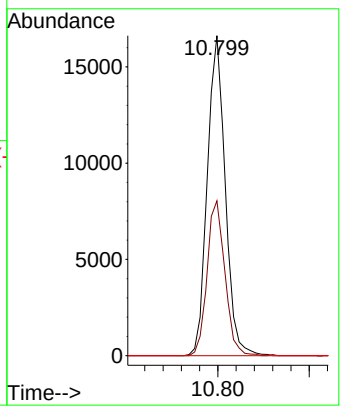
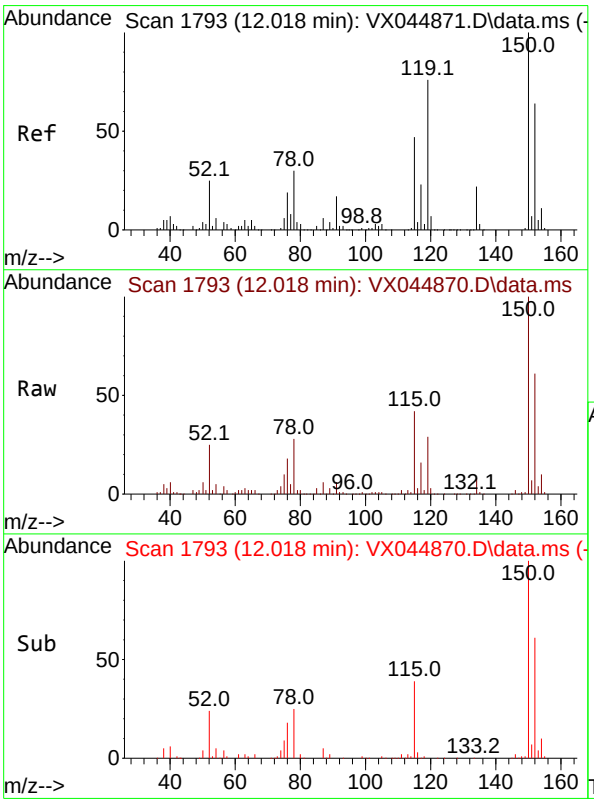
Supervised By :Mahesh Dadoda 02/11/2025

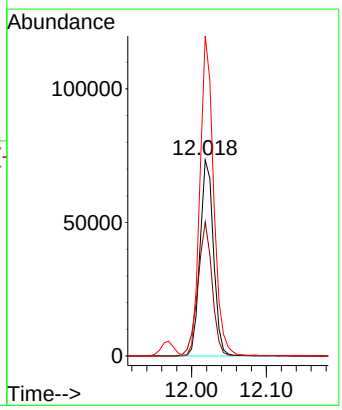


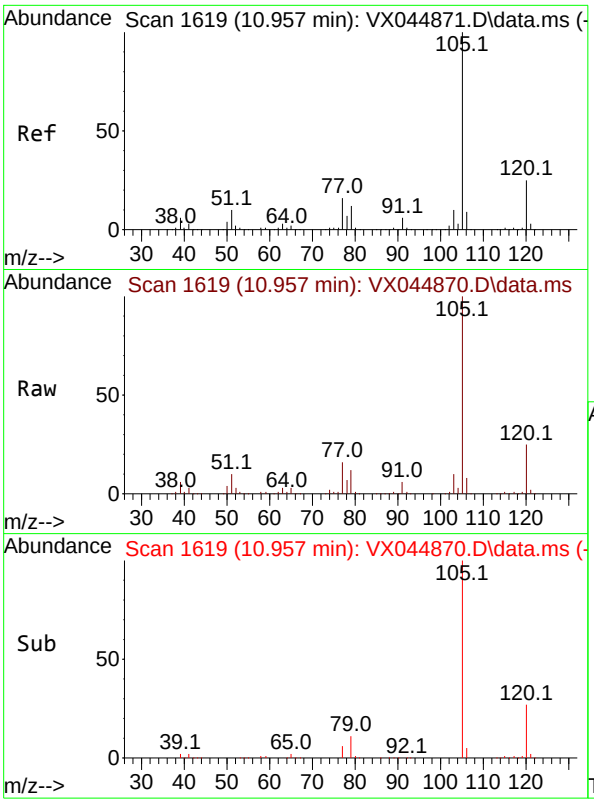


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:152 Resp: 92093

Ion	Ratio	Lower	Upper
152	100		
115	72.4	43.4	130.1
150	164.8	0.0	350.4





#73
Isopropylbenzene
Concen: 21.597 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:105 Resp: 16014

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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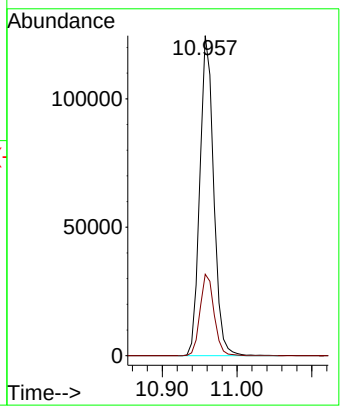
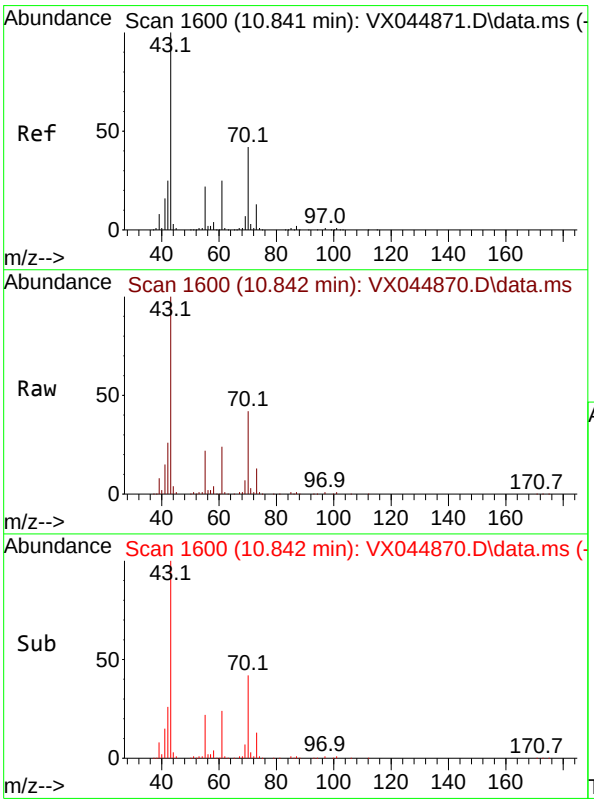
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

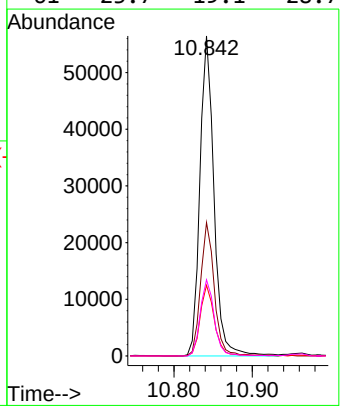


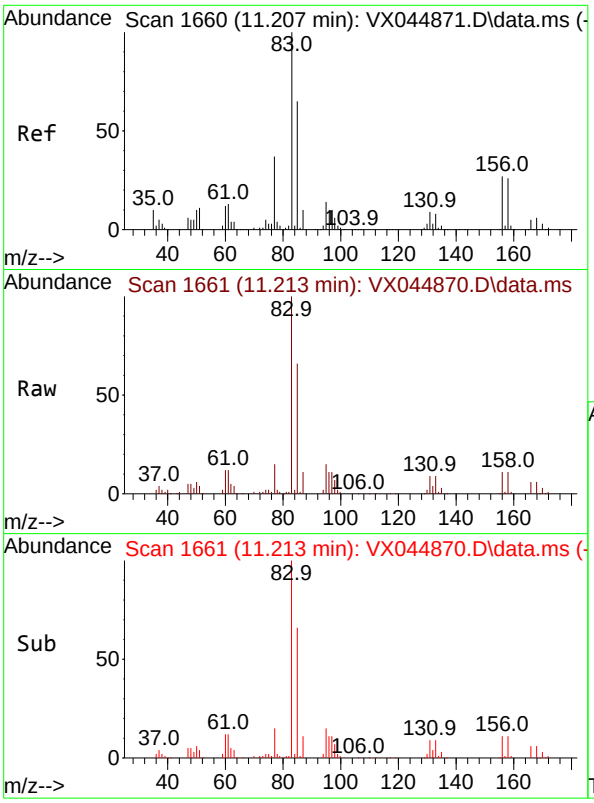


#74
N-amyl acetate
Concen: 21.023 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 70542

Ion	Ratio	Lower	Upper
43	100		
70	40.7	33.7	50.5
55	22.4	18.6	27.8
61	23.7	19.1	28.7





#75
1,1,2,2-Tetrachloroethane
Concen: 20.787 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 83 Resp: 5296

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.5	13.5
85	65.1	32.3	96.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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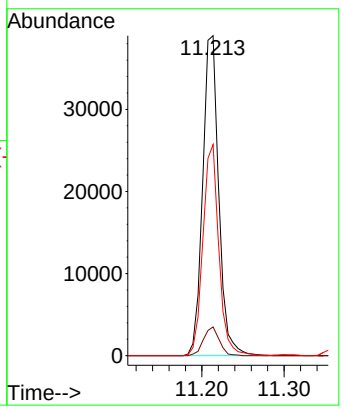
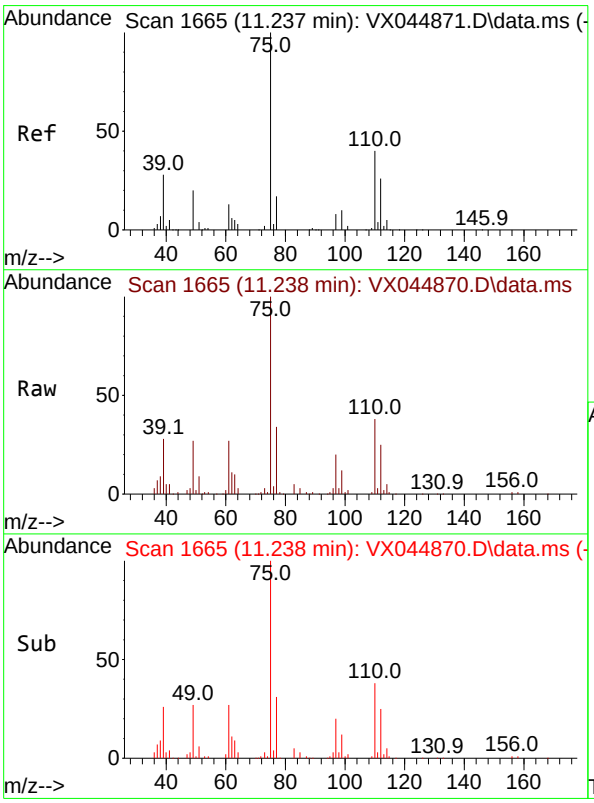
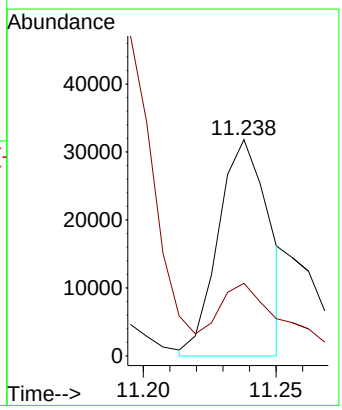


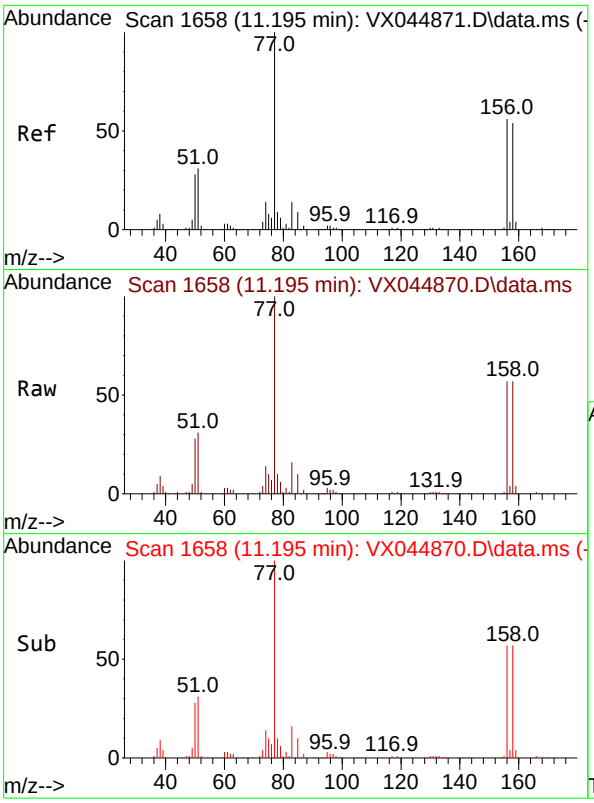


#76
1,2,3-Trichloropropane
Concen: 20.589 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 42040

Ion	Ratio	Lower	Upper
75	100		
77	43.7	21.9	65.7





#77
Bromobenzene
Concen: 21.426 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:156 Resp: 3602

Ion	Ratio	Lower	Upper
156	100		
77	171.1	88.4	265.3
158	96.8	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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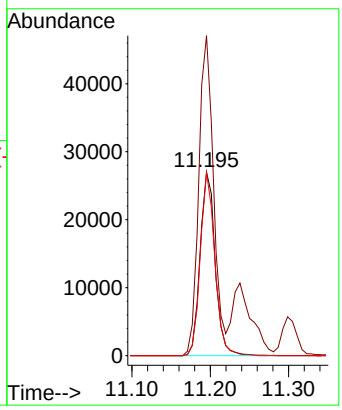
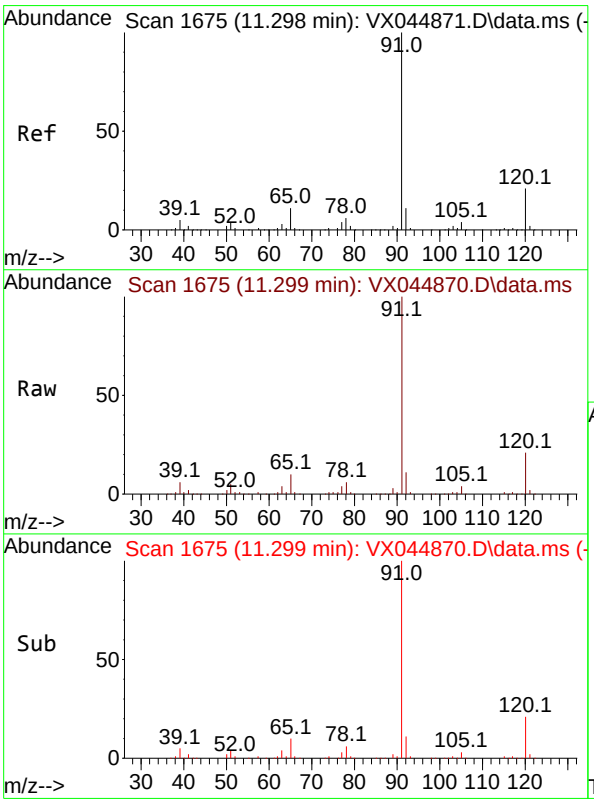
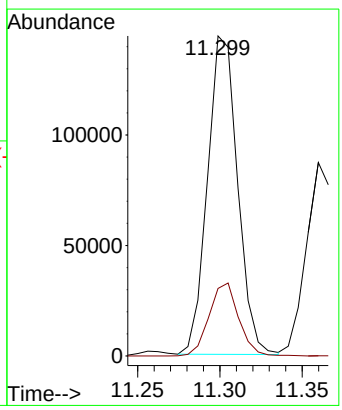


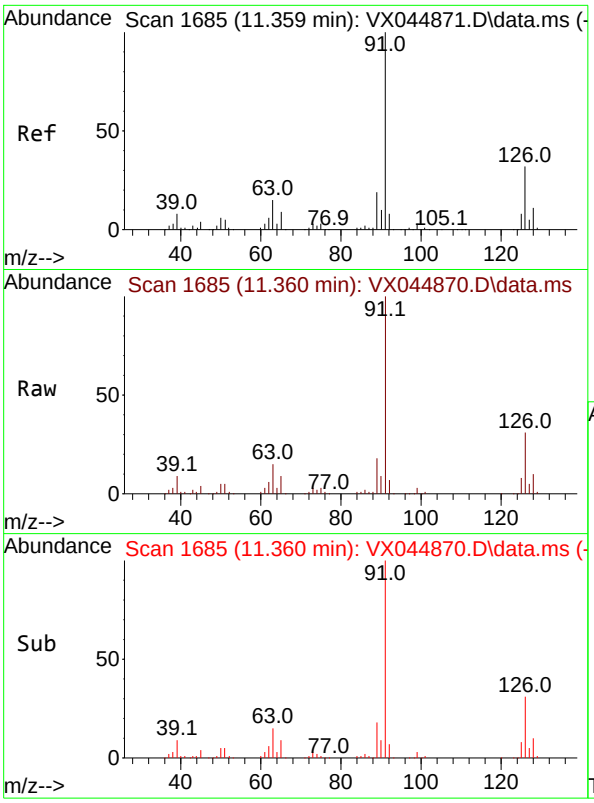


#78
n-propylbenzene
Concen: 21.406 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 183212

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.3





#79
2-Chlorotoluene
Concen: 21.250 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 11178

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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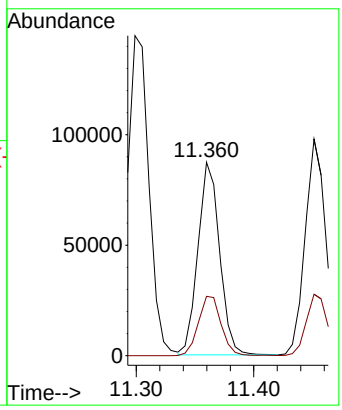
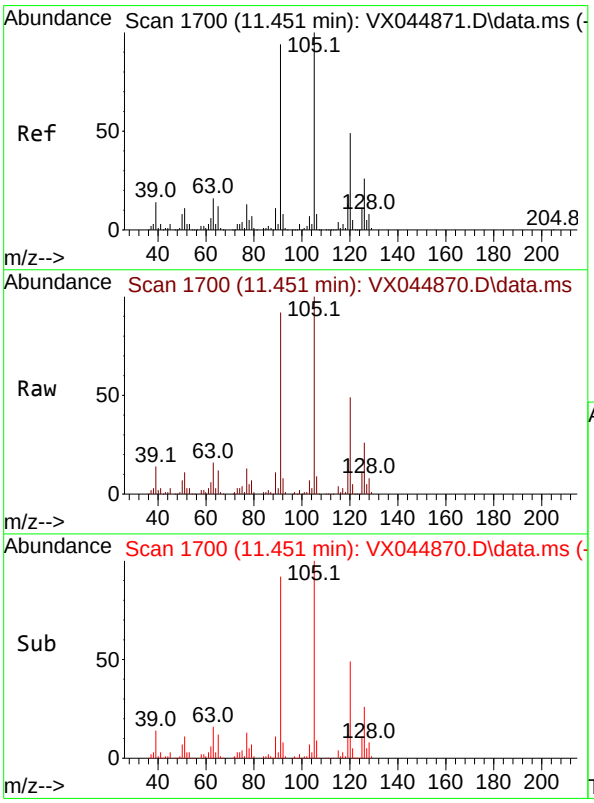
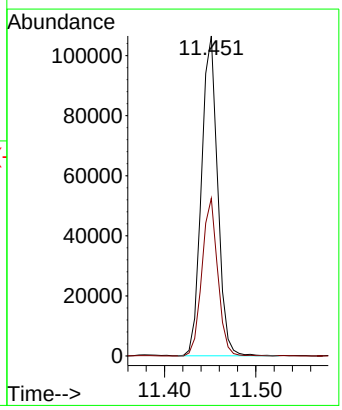


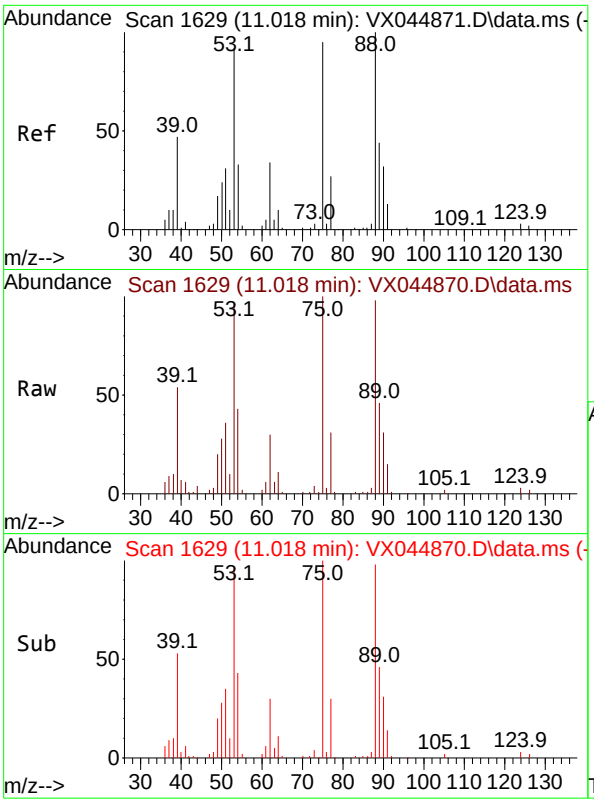


#80
1,3,5-Trimethylbenzene
Concen: 21.691 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:105 Resp: 130526

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 19.370 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 1537

Ion	Ratio	Lower	Upper
75	100		
53	103.3	78.0	117.0
89	45.3	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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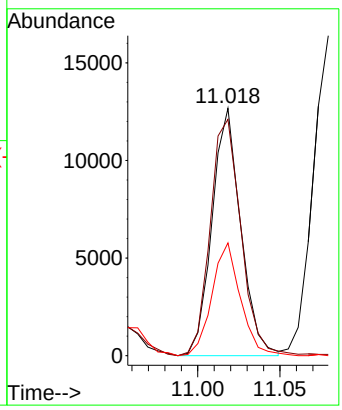
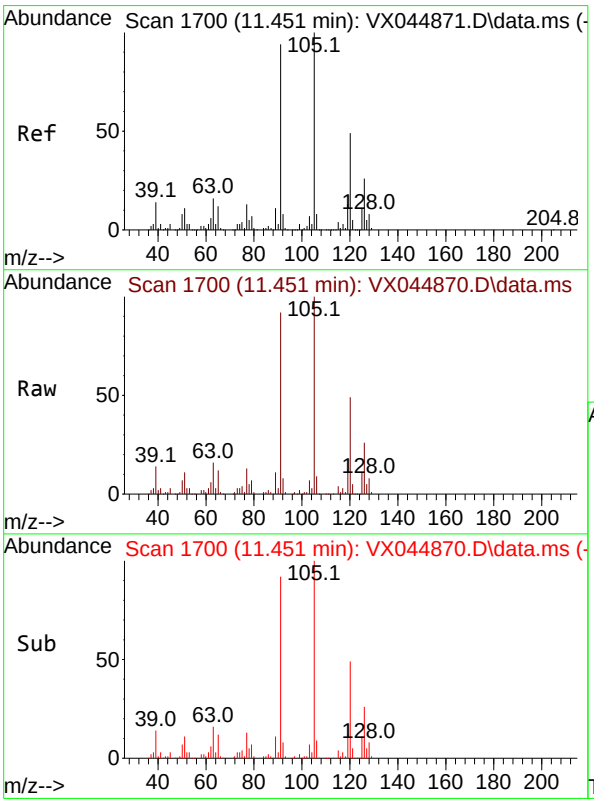
Supervised By :Mahesh Dadoda 02/11/2025

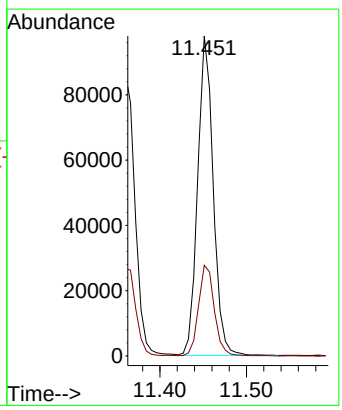


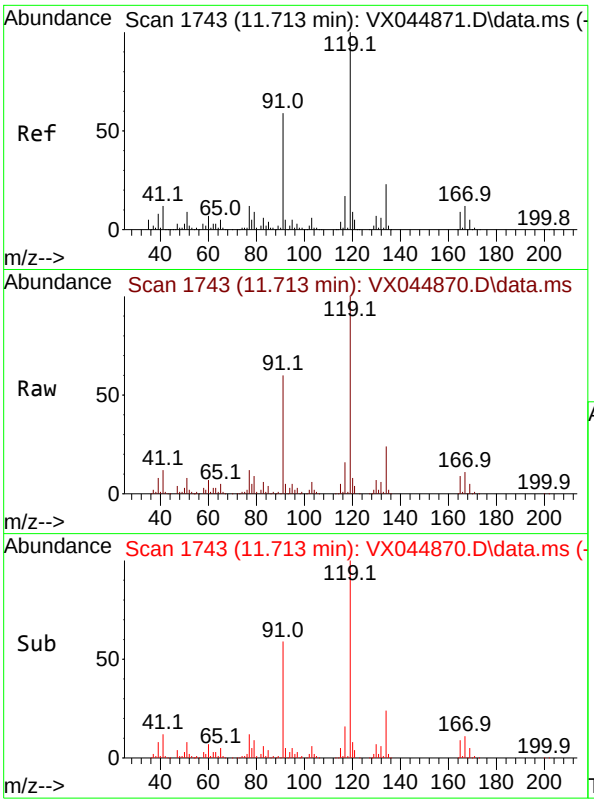


#82
4-Chlorotoluene
Concen: 21.016 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 122303

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6





#83
tert-Butylbenzene
Concen: 21.414 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

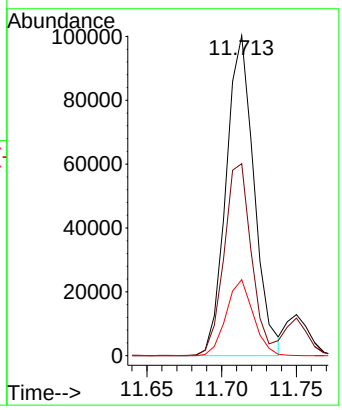
Tgt Ion:119 Resp: 13035

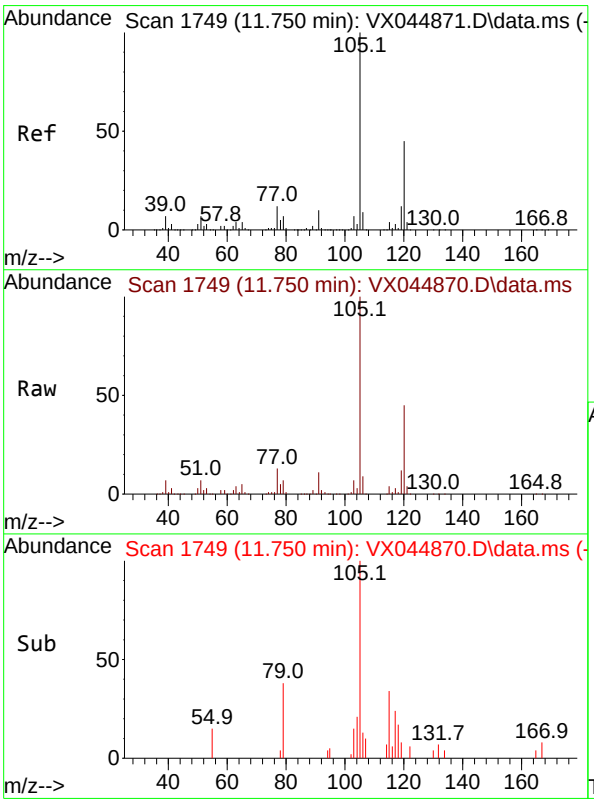
Ion	Ratio	Lower	Upper
119	100		
91	58.6	29.1	87.4
134	23.1	11.5	34.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

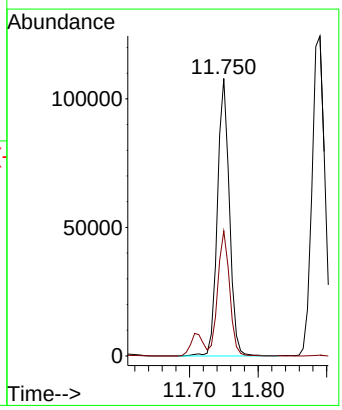


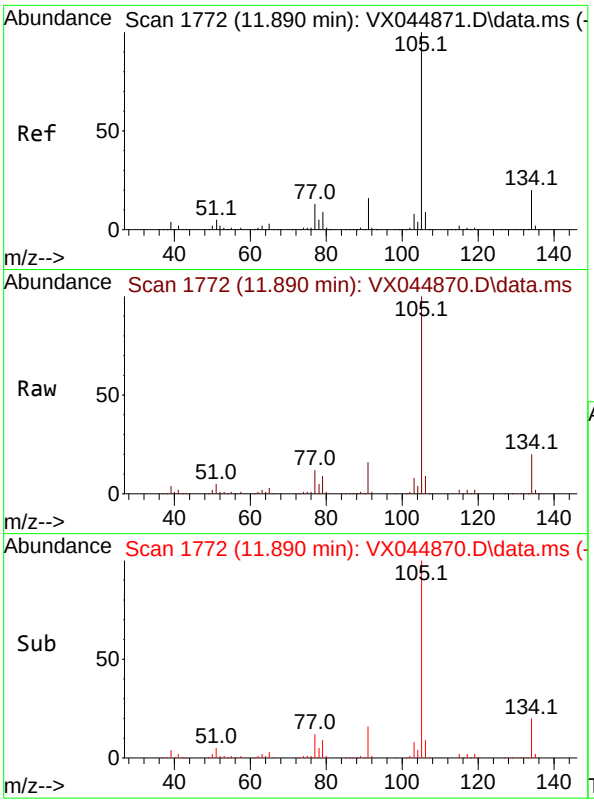


#84
1,2,4-Trimethylbenzene
Concen: 21.924 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:105 Resp: 130211

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.0





#85
sec-Butylbenzene
Concen: 21.607 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

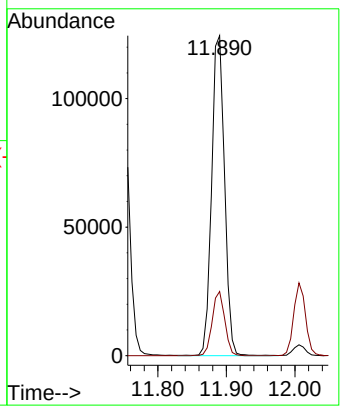
Tgt Ion:105 Resp: 16287

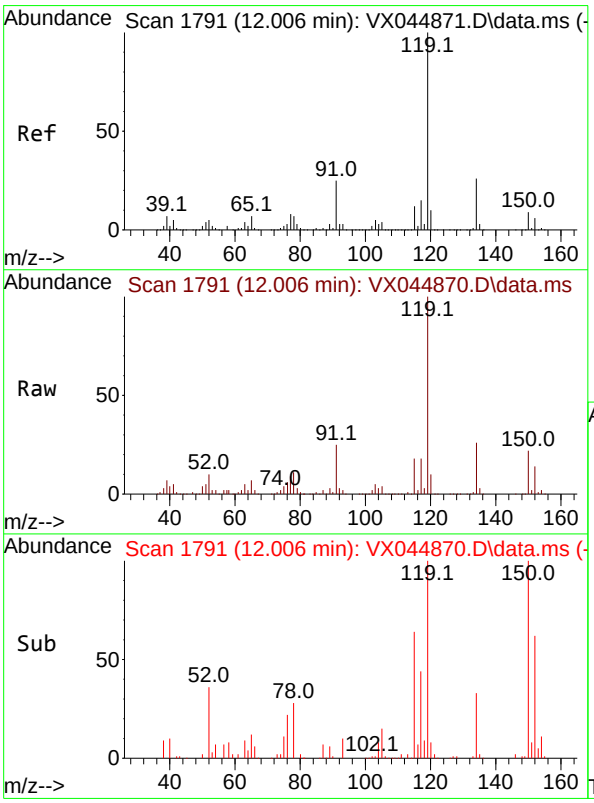
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

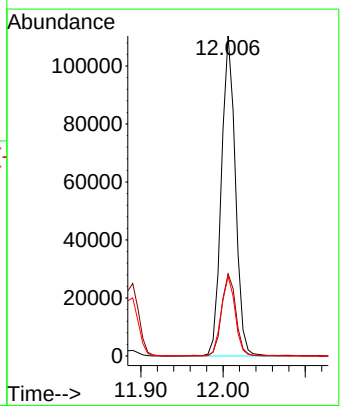


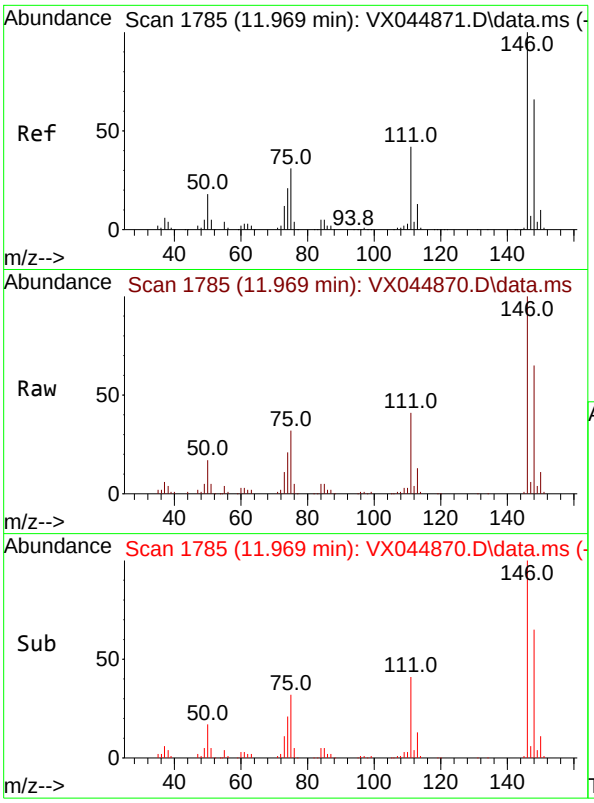


#86
p-Isopropyltoluene
Concen: 21.551 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:119 Resp: 130643

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.7	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 20.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

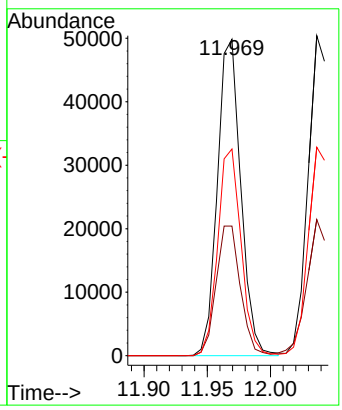
Tgt Ion:146 Resp: 6414

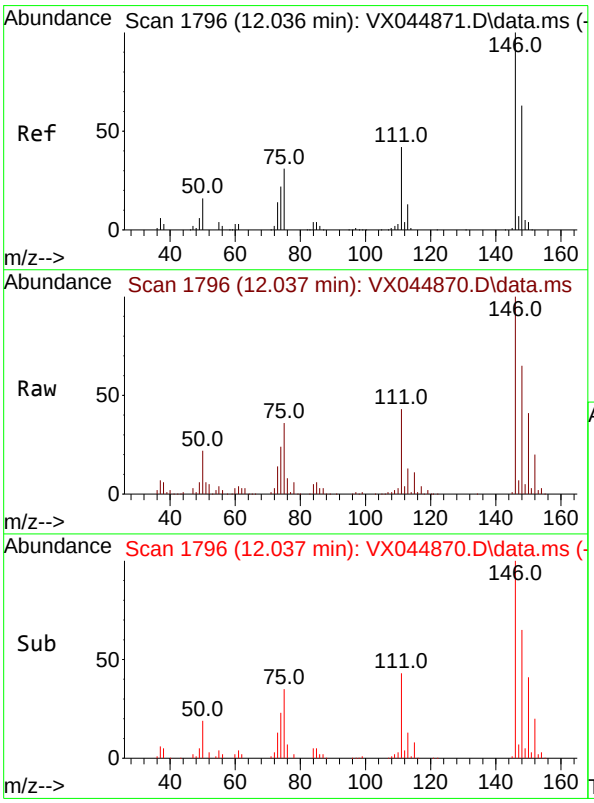
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	65.2	32.5	97.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

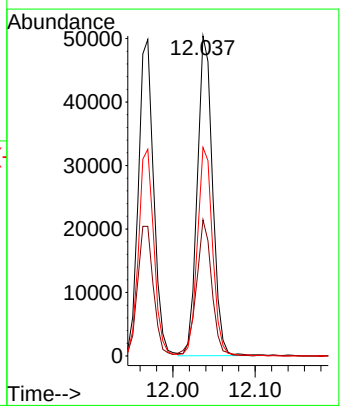


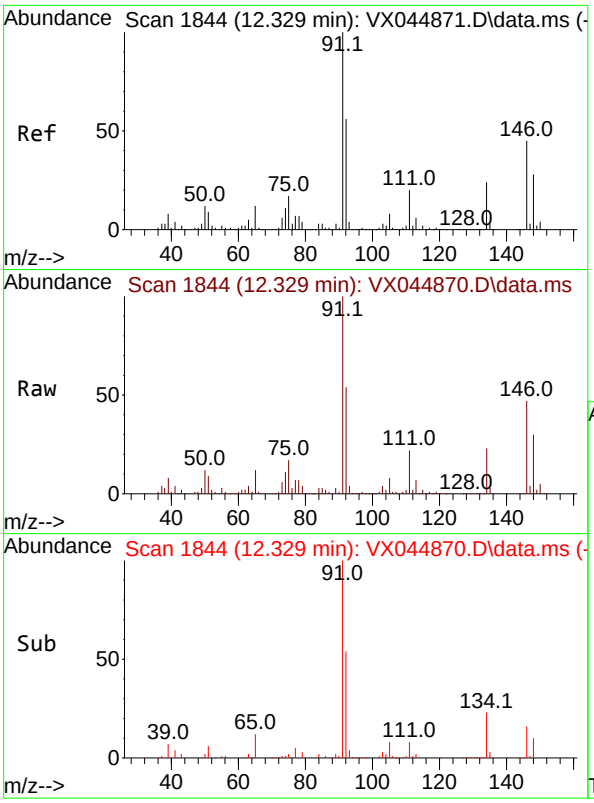


#88
1,4-Dichlorobenzene
Concen: 20.758 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:146 Resp: 64889

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.4	61.3
148	65.3	32.0	96.0





#89
n-Butylbenzene
Concen: 21.202 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

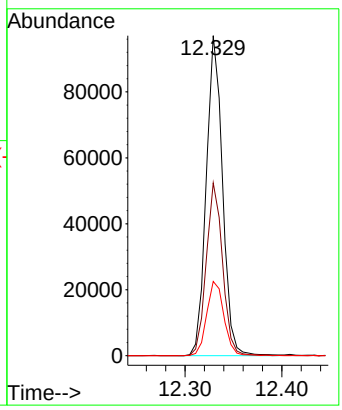
Tgt Ion: 91 Resp: 11370

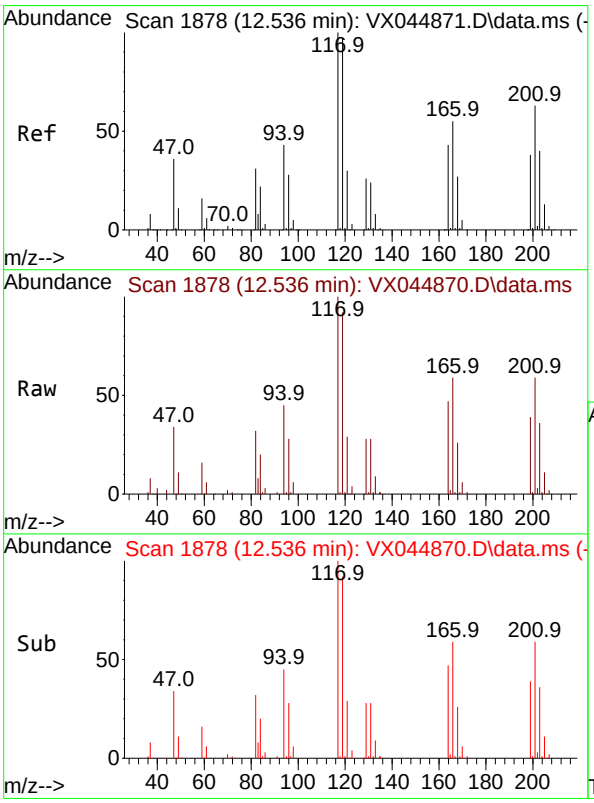
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.6
134	24.7	12.1	36.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

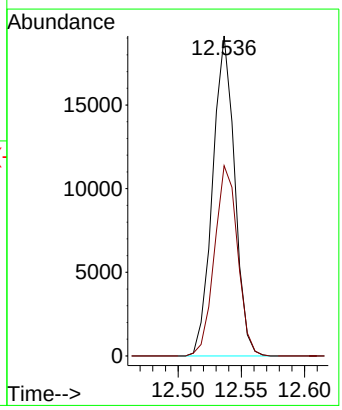


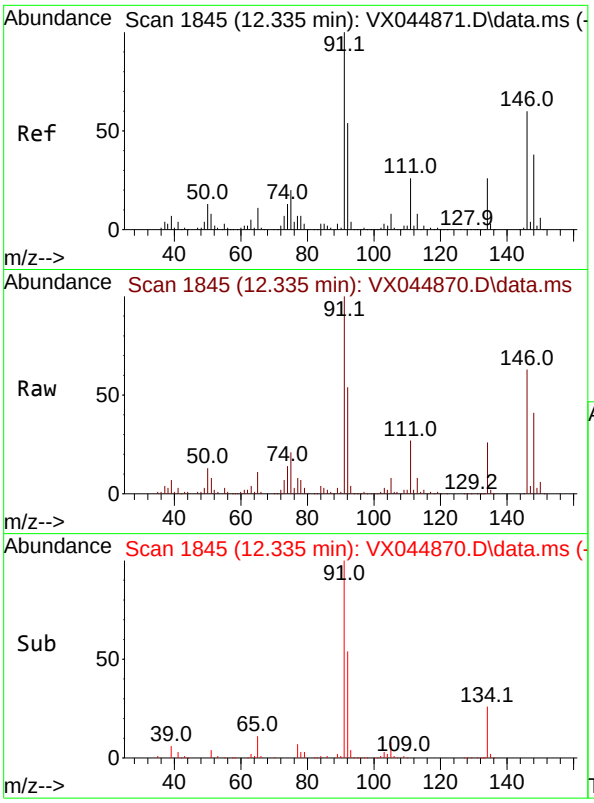


#90
Hexachloroethane
Concen: 20.398 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:117 Resp: 23153

Ion	Ratio	Lower	Upper
117	100		
201	62.4	32.5	97.5





#91
1,2-Dichlorobenzene
Concen: 21.373 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

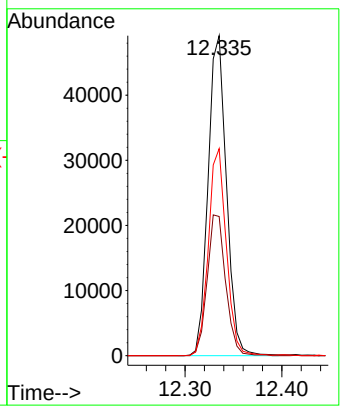
Tgt Ion:146 Resp: 6494

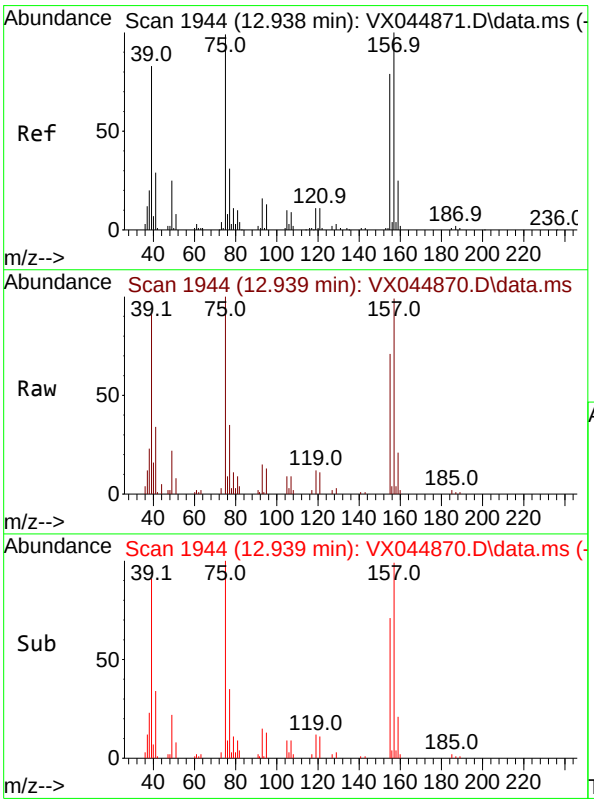
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.4
148	63.3	31.9	95.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

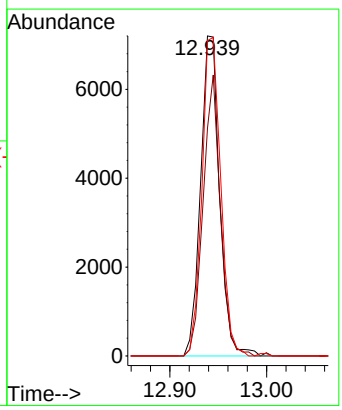


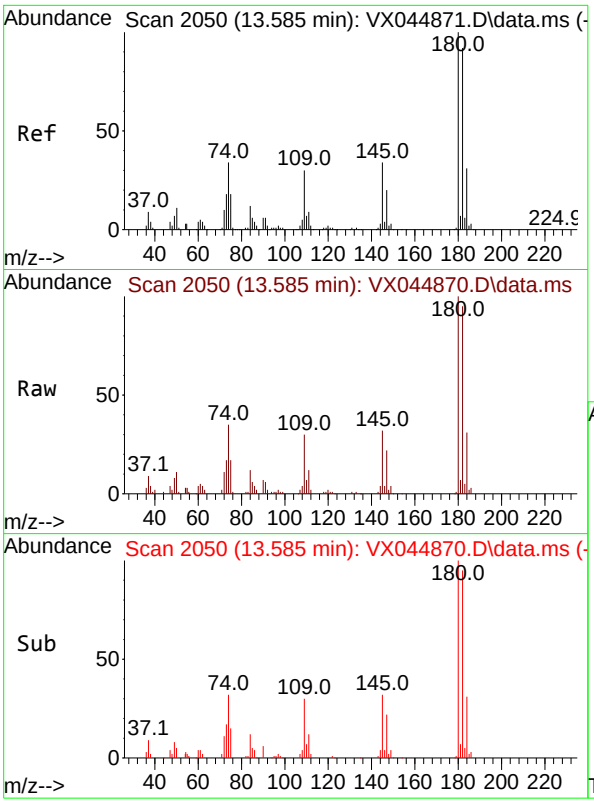


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.230 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 9873

Ion	Ratio	Lower	Upper
75	100		
155	79.8	40.5	121.4
157	98.3	51.4	154.3





#93
1,2,4-Trichlorobenzene
Concen: 20.292 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

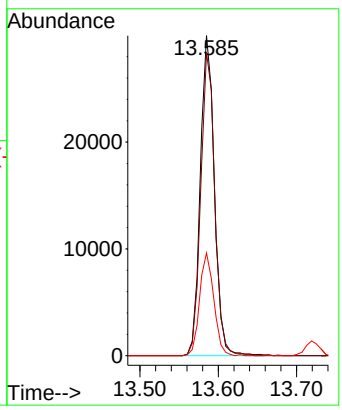
Tgt Ion:180 Resp: 3730

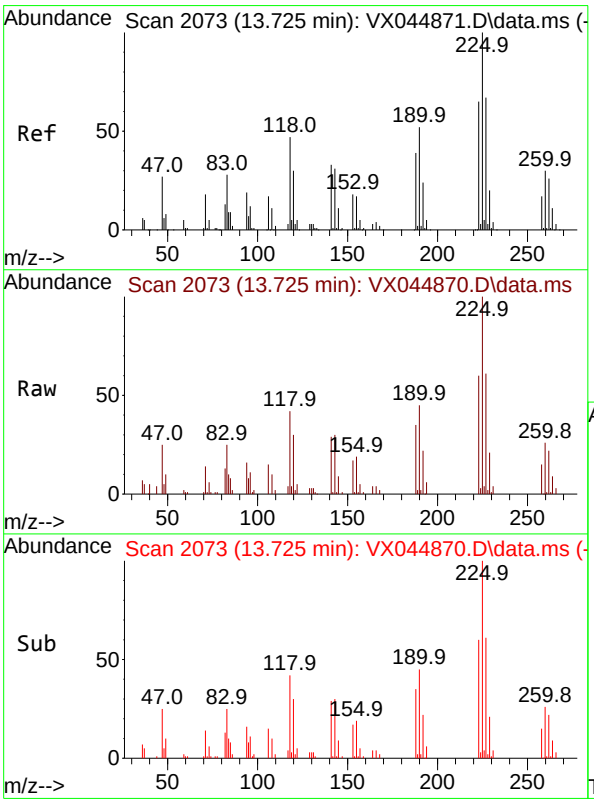
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.6	142.8
145	32.4	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

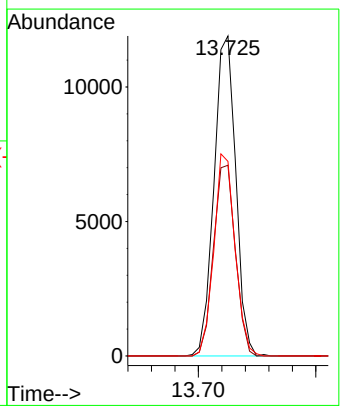


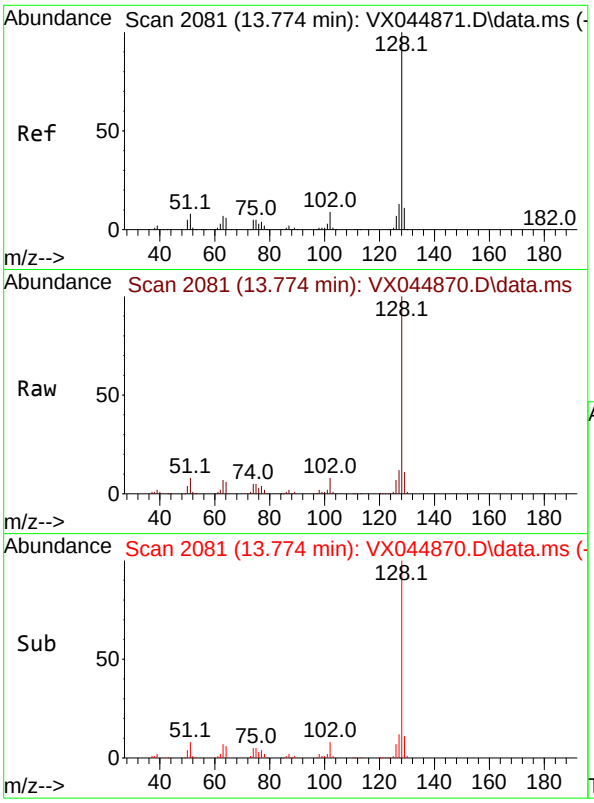


#94
Hexachlorobutadiene
Concen: 20.979 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:225 Resp: 15312

Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.4	94.2
227	61.4	32.3	96.8





#95
Naphthalene
Concen: 21.502 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

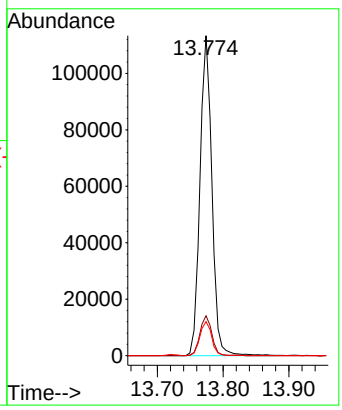
Tgt Ion:128 Resp: 14290

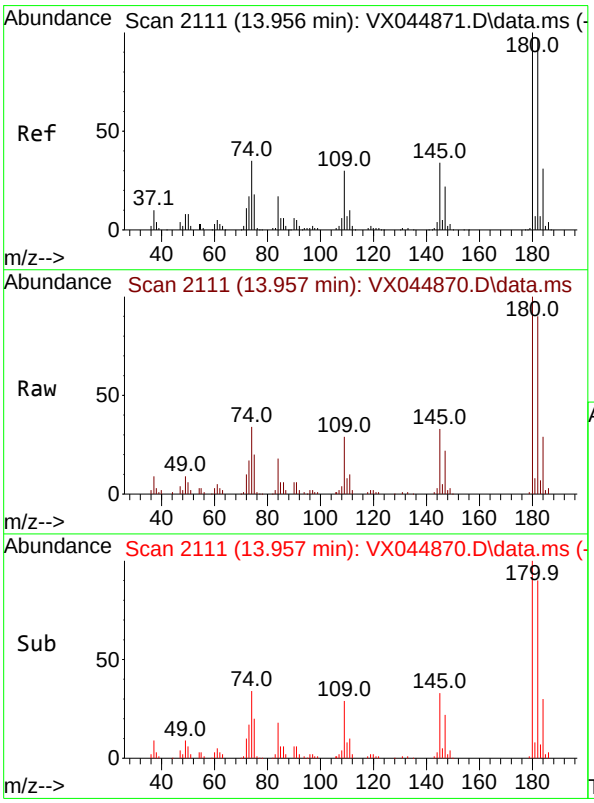
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.6	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

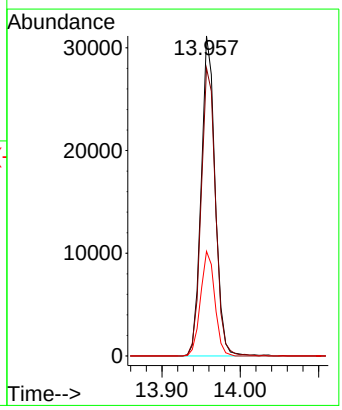




#96
1,2,3-Trichlorobenzene
Concen: 20.722 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:180 Resp: 38389

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.6
145	33.5	17.1	51.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	127984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	204751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	92593	49.424	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.840%			
35) Dibromofluoromethane	5.379	113	74906	49.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	8.646	98	289575	50.392	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	11.079	95	100798	52.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	89581	49.905	ug/l	100
3) Chloromethane	1.300	50	107836	49.359	ug/l	100
4) Vinyl Chloride	1.373	62	103354	48.832	ug/l	100
5) Bromomethane	1.593	94	31886	50.345	ug/l	100
6) Chloroethane	1.666	64	43657	55.583	ug/l	100
7) Trichlorofluoromethane	1.873	101	131729	49.215	ug/l	100
8) Diethyl Ether	2.129	74	48023	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	80068	49.511	ug/l	100
10) Methyl Iodide	2.446	142	108383	51.712	ug/l	100
11) Tert butyl alcohol	2.983	59	87254	251.049	ug/l	100
12) 1,1-Dichloroethene	2.312	96	80672	48.904	ug/l	100
13) Acrolein	2.233	56	90518	252.426	ug/l	100
14) Allyl chloride	2.660	41	148044	49.658	ug/l	100
15) Acrylonitrile	3.062	53	242268	261.074	ug/l	100
16) Acetone	2.379	43	187739	249.274	ug/l	100
17) Carbon Disulfide	2.501	76	225511	49.853	ug/l	100
18) Methyl Acetate	2.702	43	121039	50.928	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	261852	49.890	ug/l	100
20) Methylene Chloride	2.782	84	90038	48.808	ug/l	100
21) trans-1,2-Dichloroethene	3.086	96	81950	50.475	ug/l	100
22) Diisopropyl ether	3.757	45	287347	50.946	ug/l	100
23) Vinyl Acetate	3.714	43	1190152	258.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	157003	49.749	ug/l	100
25) 2-Butanone	4.556	43	323510	264.528	ug/l	100
26) 2,2-Dichloropropane	4.470	77	121901	48.707	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	96965	49.721	ug/l	100
28) Bromochloromethane	4.891	49	74707	49.258	ug/l	100
29) Tetrahydrofuran	5.001	42	210414	259.105	ug/l	100
30) Chloroform	5.086	83	149581	48.874	ug/l	100
31) Cyclohexane	5.464	56	143500	49.322	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	128561	49.523	ug/l	100
36) 1,1-Dichloropropene	5.690	75	108206	49.353	ug/l	100
37) Ethyl Acetate	4.708	43	123238	50.535	ug/l	100
38) Carbon Tetrachloride	5.671	117	105873	49.277	ug/l	100
39) Methylcyclohexane	7.372	83	145338	51.274	ug/l	100
40) Benzene	6.031	78	343557	50.182	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.915	41	70572	54.065 ug/l	100
42) 1,2-Dichloroethane	6.080	62	110347	50.573 ug/l	100
43) Isopropyl Acetate	6.336	43	204703	51.981 ug/l	100
44) Trichloroethene	7.122	130	78274	50.020 ug/l	100
45) 1,2-Dichloropropane	7.427	63	85733	50.335 ug/l	100
46) Dibromomethane	7.573	93	59625	50.479 ug/l	100
47) Bromodichloromethane	7.817	83	116892	51.108 ug/l	100
48) Methyl methacrylate	7.689	41	98519	53.057 ug/l	100
49) 1,4-Dioxane	7.659	88	42094	1056.618 ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	647283	270.364 ug/l	100
52) Toluene	8.714	92	210007	51.507 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	120125	51.902 ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	134763	52.223 ug/l	100
55) 1,1,2-Trichloroethane	9.146	97	79741	50.876 ug/l	100
56) Ethyl methacrylate	9.116	69	134975	53.319 ug/l	100
57) 1,3-Dichloropropane	9.305	76	141335	51.537 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	336412	270.652 ug/l	100
59) 2-Hexanone	9.427	43	472301	273.800 ug/l	100
60) Dibromochloromethane	9.518	129	87240	52.045 ug/l	100
61) 1,2-Dibromoethane	9.604	107	81915	51.564 ug/l	100
64) Tetrachloroethene	9.268	164	63537	49.206 ug/l	100
65) Chlorobenzene	10.079	112	224306	51.005 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	72478	51.203 ug/l	100
67) Ethyl Benzene	10.189	91	396269	51.061 ug/l	100
68) m/p-Xylenes	10.299	106	296507	103.573 ug/l	100
69) o-Xylene	10.640	106	144802	50.409 ug/l	100
70) Styrene	10.652	104	245518	53.051 ug/l	100
71) Bromoform	10.799	173	57417	54.352 ug/l #	100
73) Isopropylbenzene	10.957	105	374776	50.239 ug/l	100
74) N-amyl acetate	10.841	43	176174	52.189 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	126542	49.364 ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	102508m	49.903 ug/l	
77) Bromobenzene	11.195	156	84448	49.931 ug/l	100
78) n-propylbenzene	11.298	91	437572	50.818 ug/l	100
79) 2-Chlorotoluene	11.359	91	263269	49.749 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	307465	50.789 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	40487	50.701 ug/l	100
82) 4-Chlorotoluene	11.451	91	295844	50.531 ug/l	100
83) tert-Butylbenzene	11.713	119	306830	50.102 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	311205	52.085 ug/l	100
85) sec-Butylbenzene	11.890	105	384155	50.657 ug/l	100
86) p-Isopropyltoluene	12.006	119	315226	51.689 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	155575	50.021 ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	156162	49.657 ug/l	100
89) n-Butylbenzene	12.329	91	287649	53.315 ug/l	100
90) Hexachloroethane	12.536	117	56951	49.874 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	154364	50.500 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23924	51.135 ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	93863	50.747 ug/l	100
94) Hexachlorobutadiene	13.725	225	35481	48.321 ug/l	100
95) Naphthalene	13.774	128	347645	51.995 ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	95510	51.245 ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
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Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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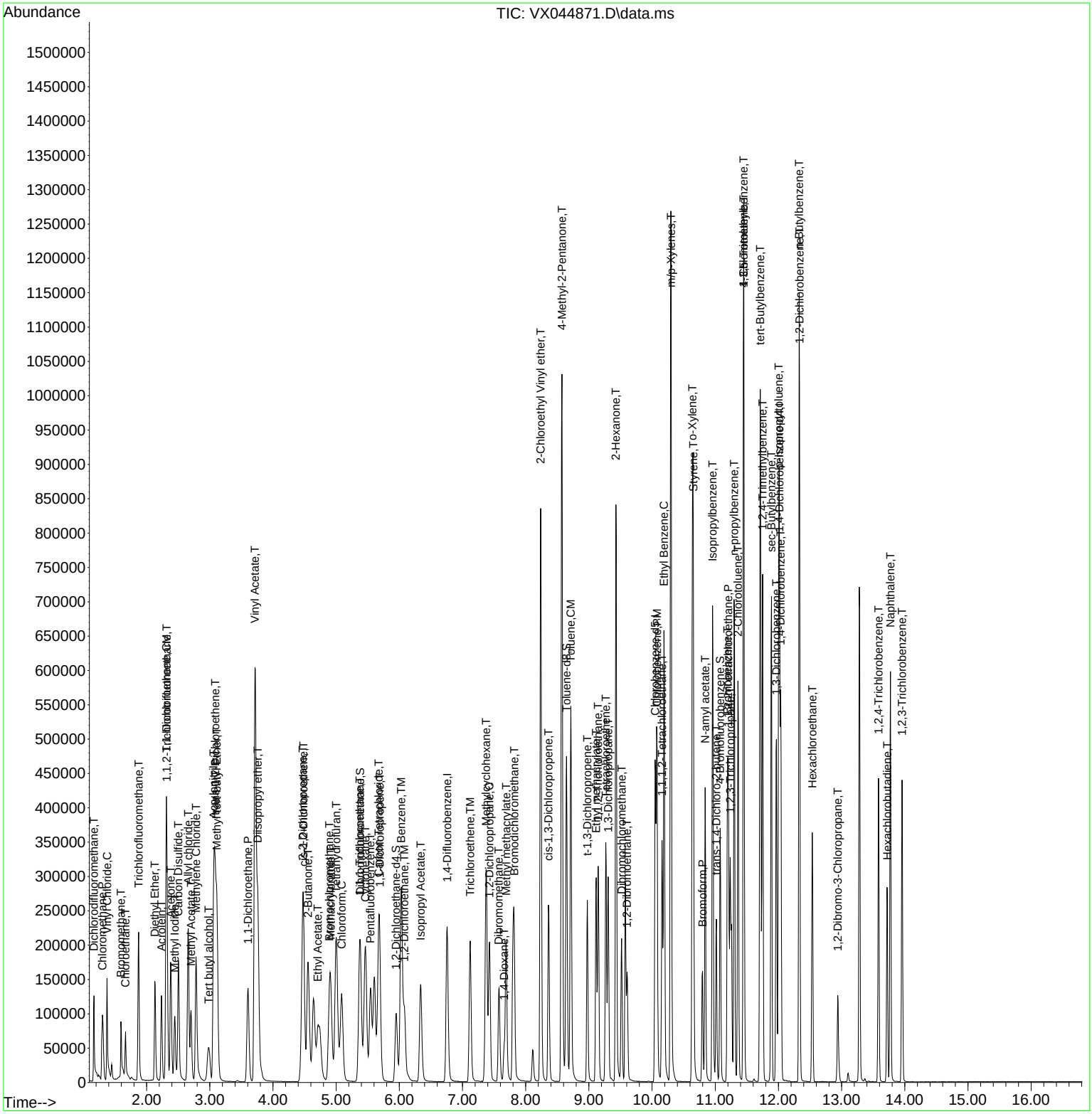
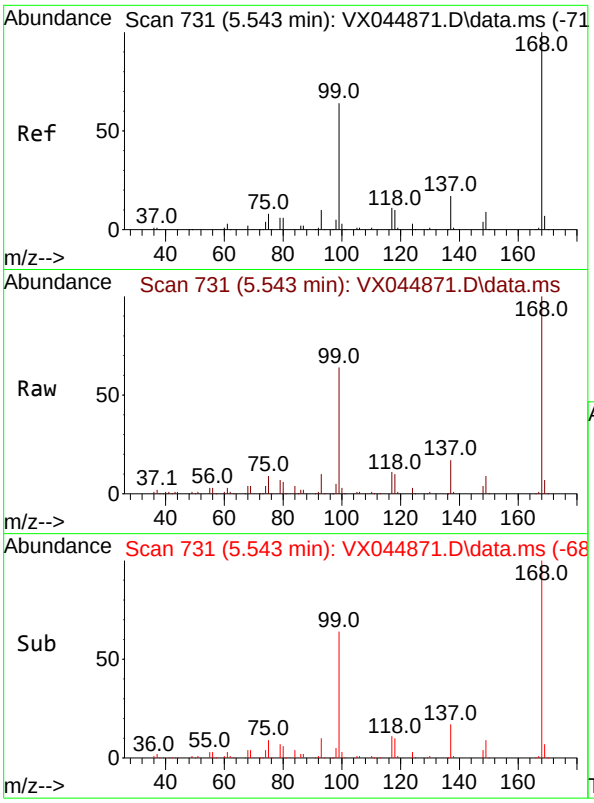




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

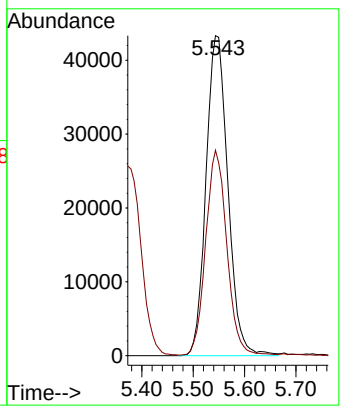
Tgt Ion:168 Resp: 12798

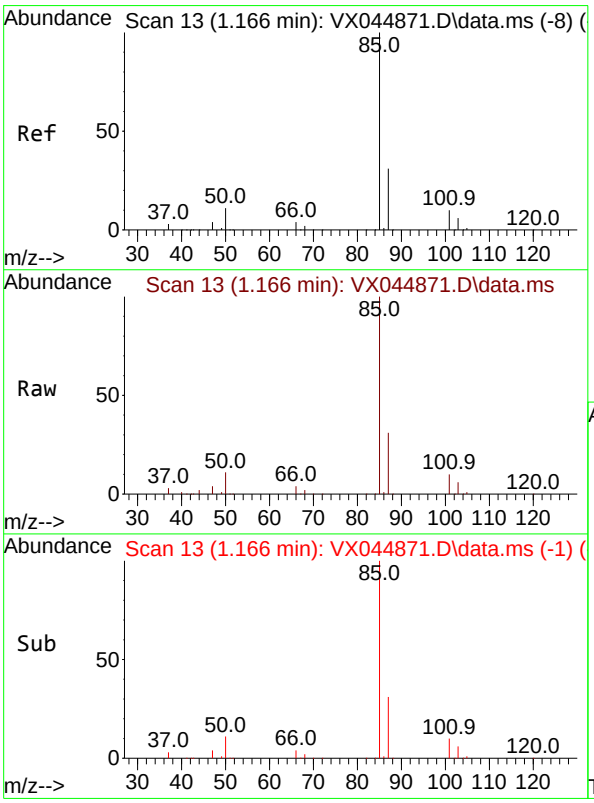
Ion	Ratio	Lower	Upper
168	100		
99	64.0	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

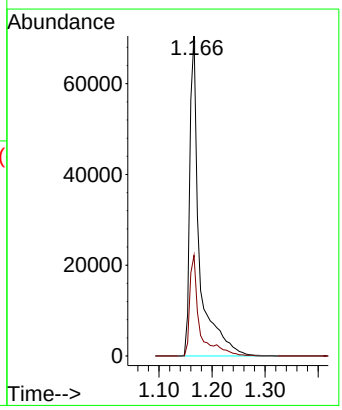


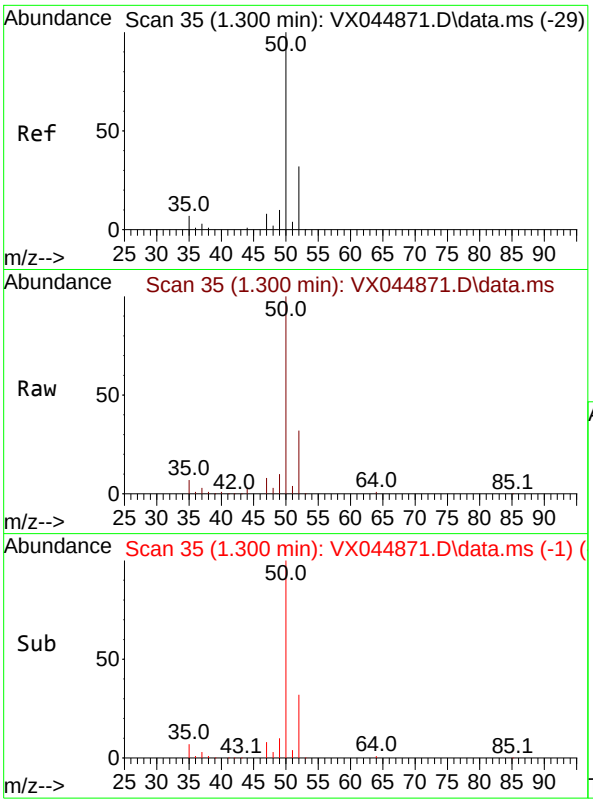


#2
Dichlorodifluoromethane
Concen: 49.905 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 85 Resp: 89581

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3





#3
Chloromethane
Concen: 49.359 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

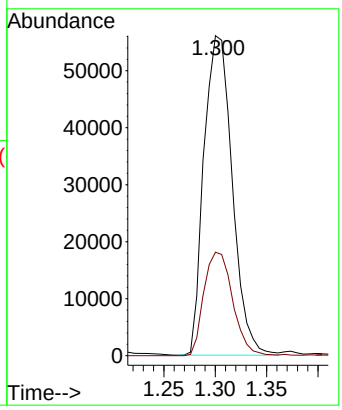
Tgt Ion: 50 Resp: 10783

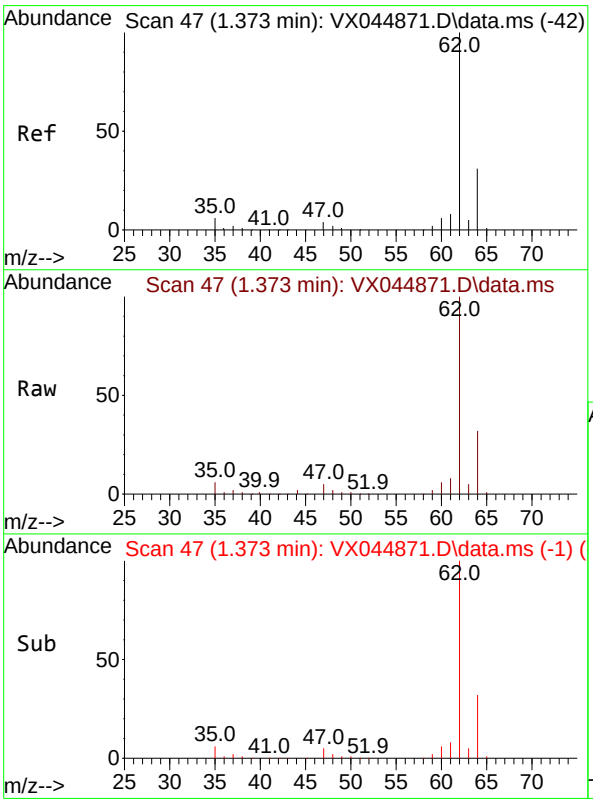
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

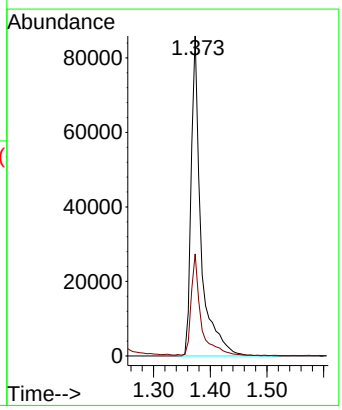


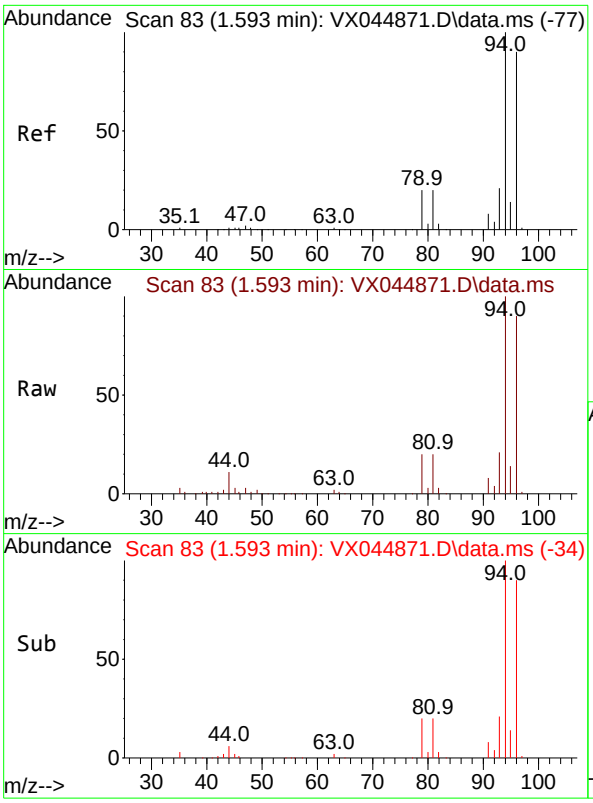


#4
Vinyl Chloride
Concen: 48.832 ug/l
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 103354

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0





#5
Bromomethane
Concen: 50.345 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

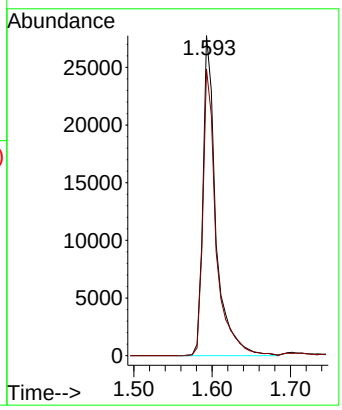
Tgt Ion: 94 Resp: 3188

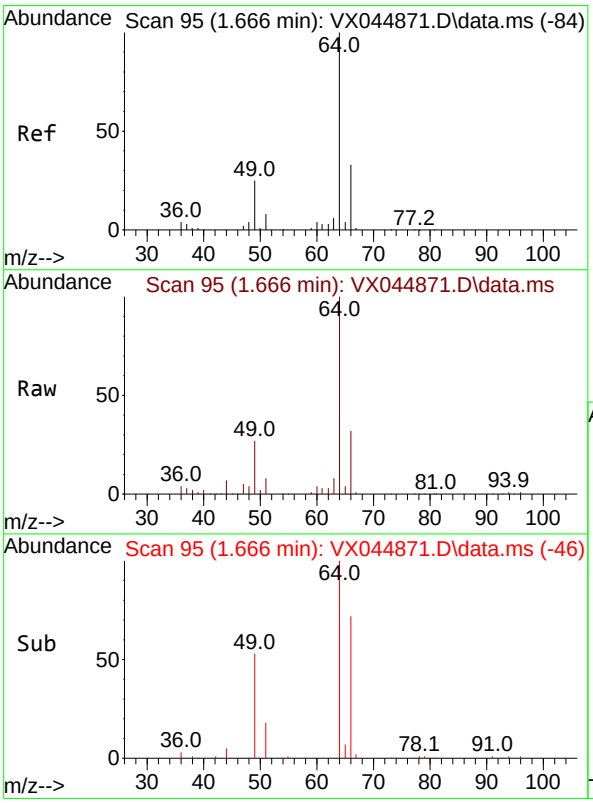
Ion	Ratio	Lower	Upper
94	100		
96	89.5	71.6	107.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

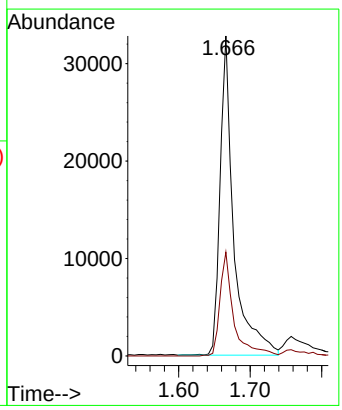


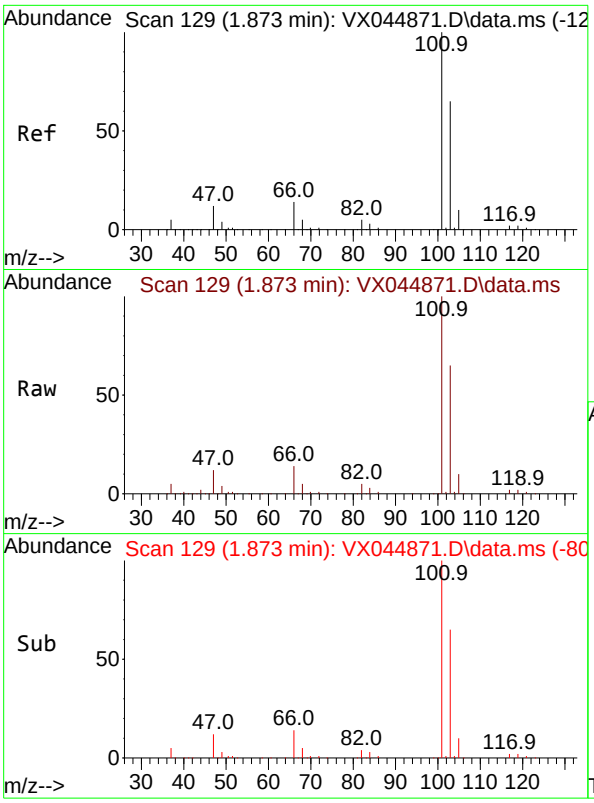


#6
Chloroethane
Concen: 55.583 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 64 Resp: 43657

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.9	38.9





#7
Trichlorofluoromethane
Concen: 49.215 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:101 Resp: 13172

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.4	78.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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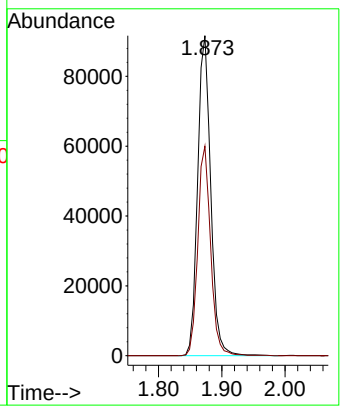
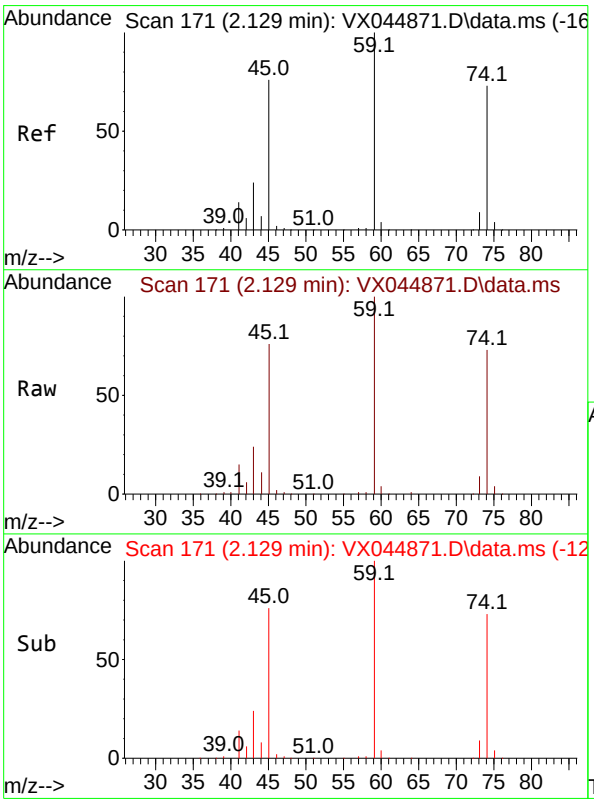
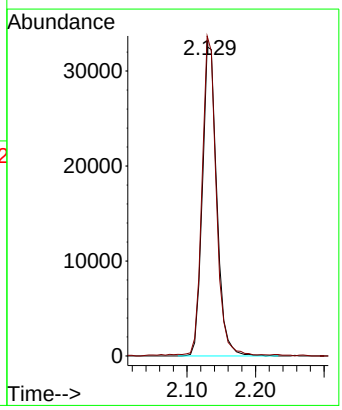


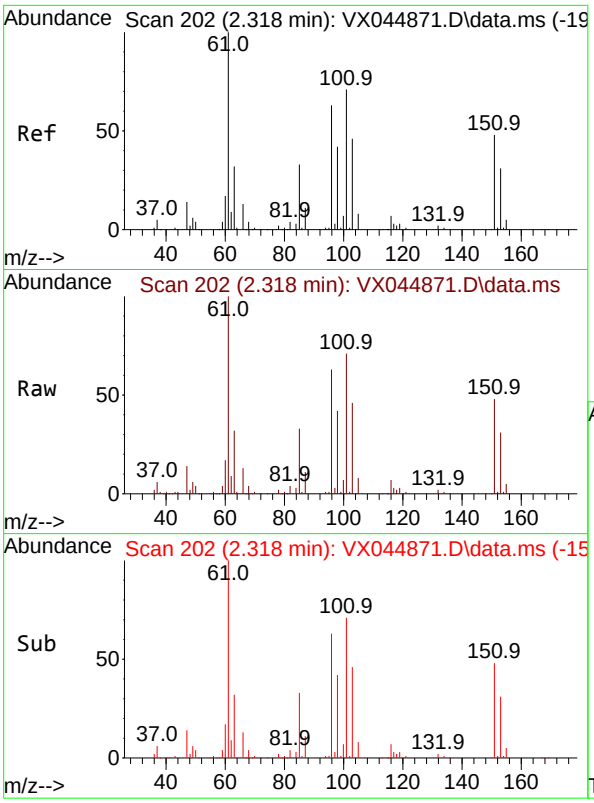


#8
Diethyl Ether
Concen: 49.473 ug/l
RT: 2.129 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 74 Resp: 48023

Ion	Ratio	Lower	Upper
74	100		
45	102.3	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.511 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:101 Resp: 8006

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.7	53.5
151	70.0	56.0	84.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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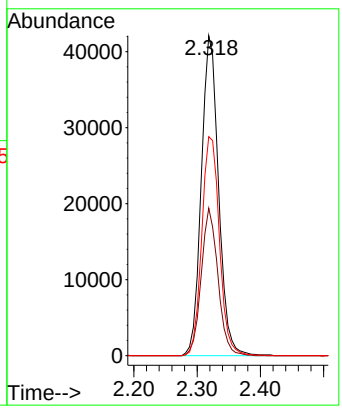
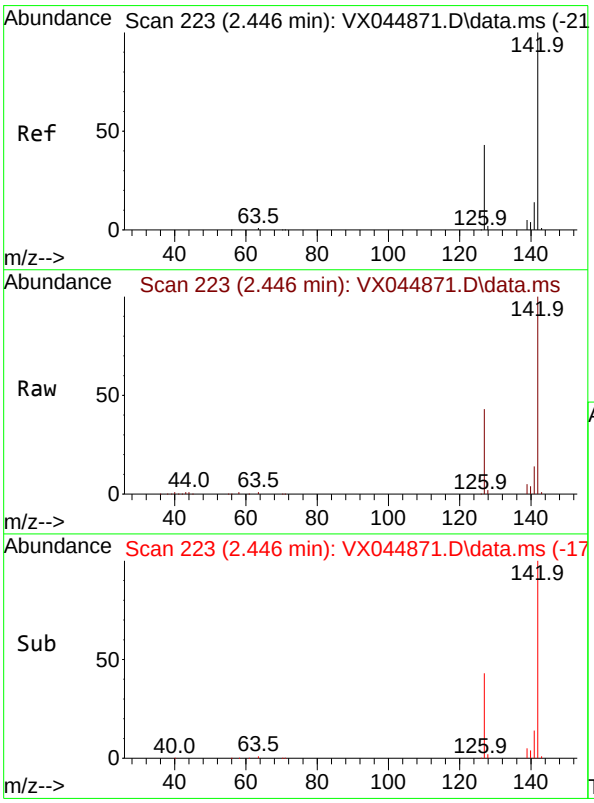
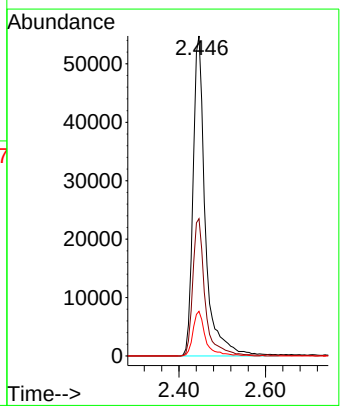


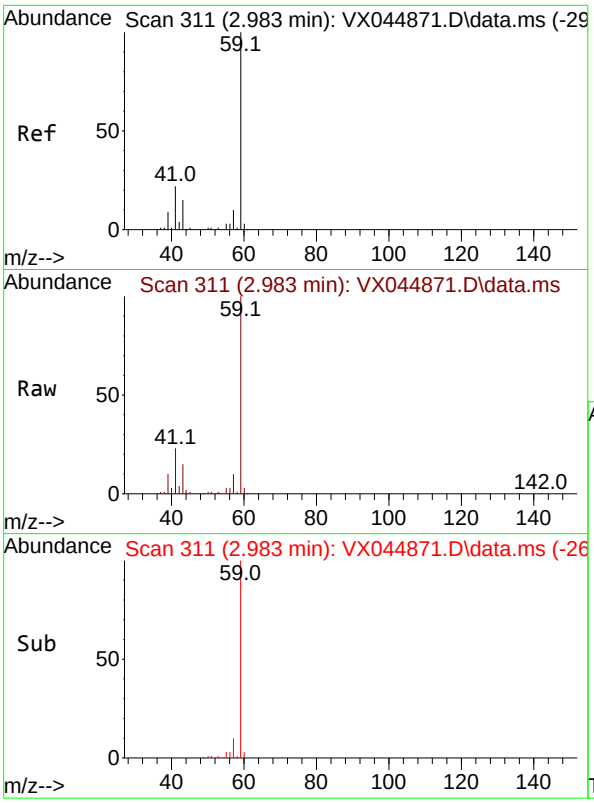


#10
Methyl Iodide
Concen: 51.712 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:142 Resp: 108383

Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.3	51.5
141	14.3	11.4	17.2





#11
Tert butyl alcohol
Concen: 251.049 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 59 Resp: 8725

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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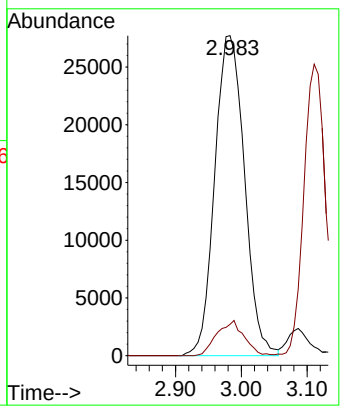
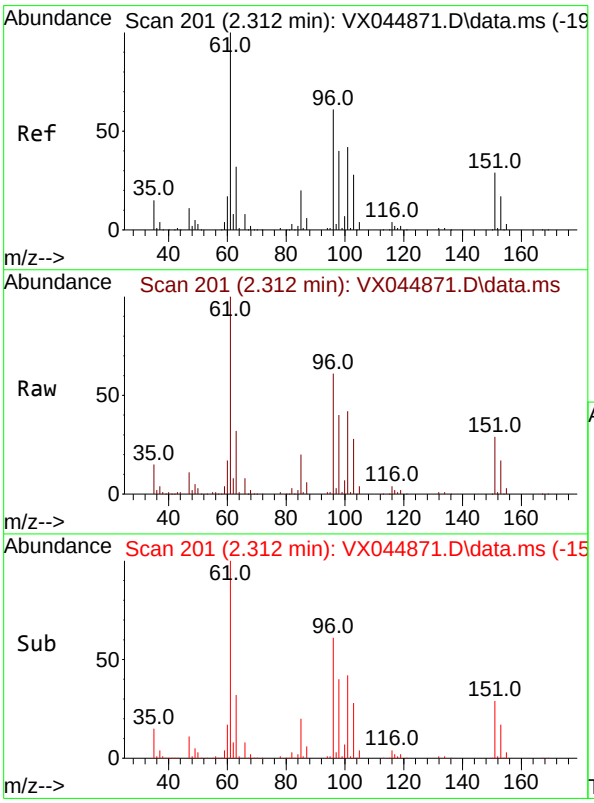
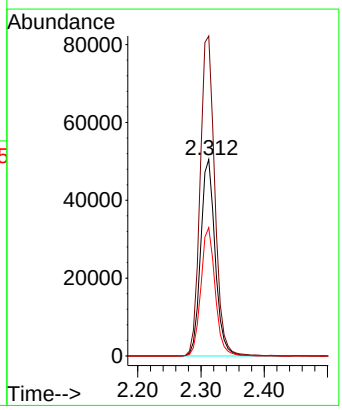


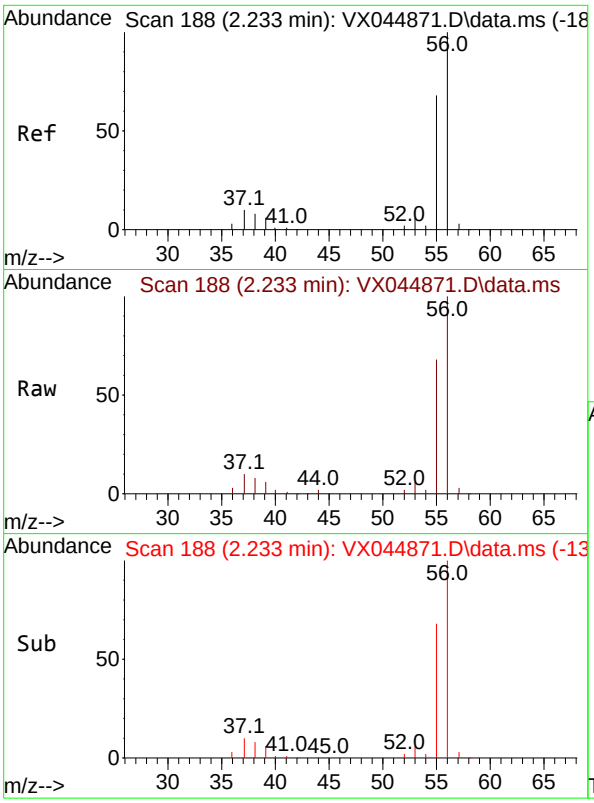


#12
1,1-Dichloroethene
Concen: 48.904 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 96 Resp: 80672

Ion	Ratio	Lower	Upper
96	100		
61	162.8	130.2	195.4
98	65.3	52.2	78.4





#13
Acrolein
Concen: 252.426 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 56 Resp: 9051

Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.7	83.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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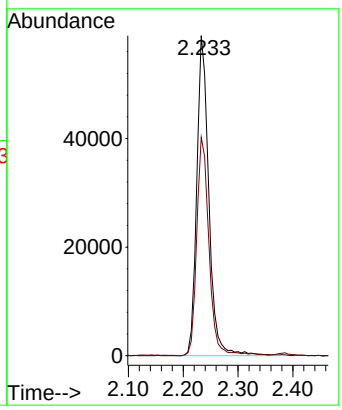
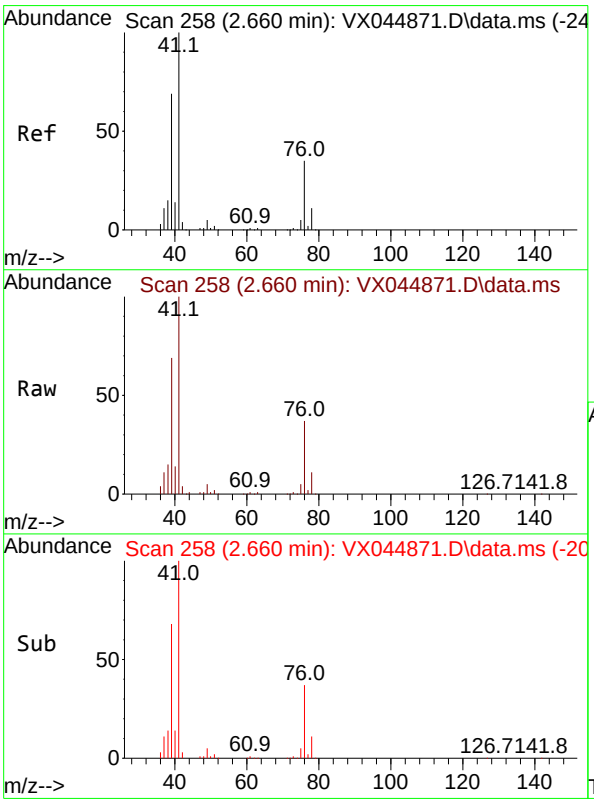
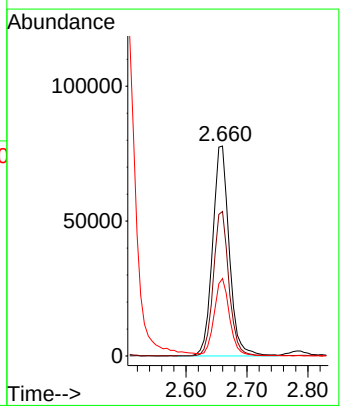


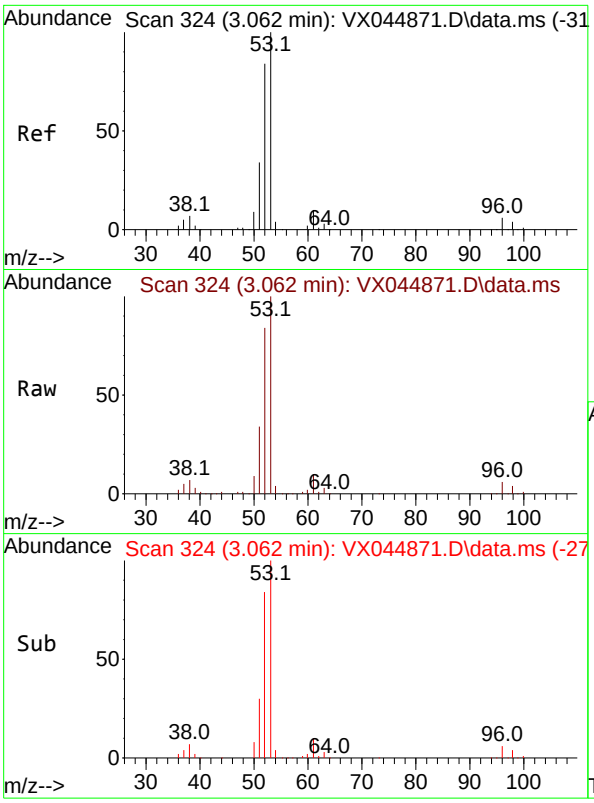


#14
Allyl chloride
Concen: 49.658 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 148044

Ion	Ratio	Lower	Upper
41	100		
39	64.3	51.4	77.2
76	33.7	27.0	40.4





#15
Acrylonitrile
Concen: 261.074 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

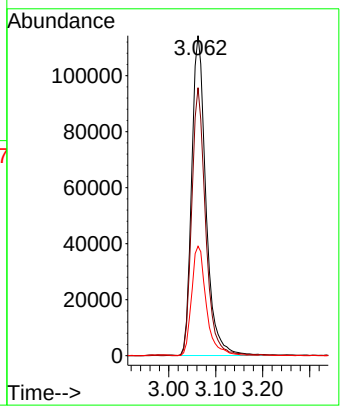
Tgt Ion: 53 Resp: 24226

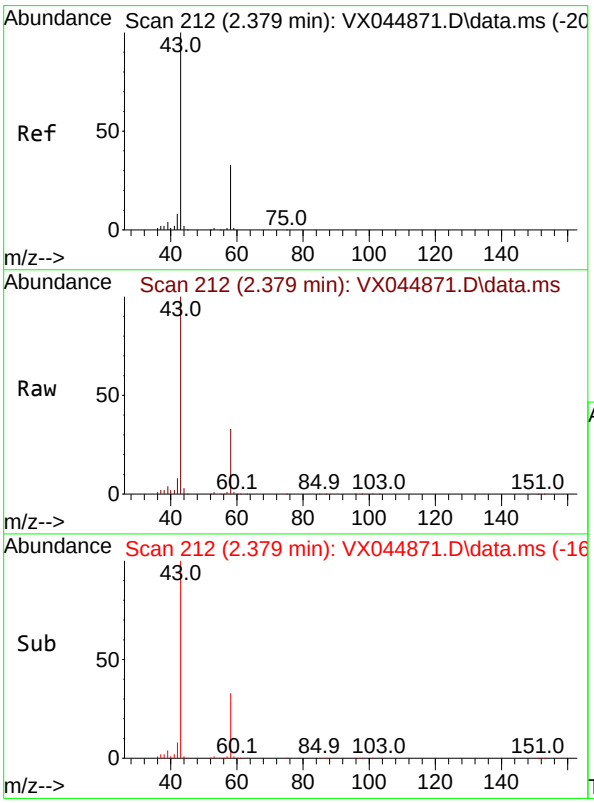
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	35.0	28.0	42.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

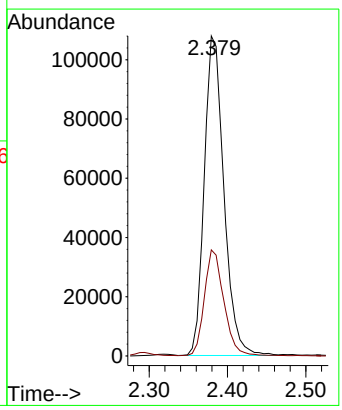


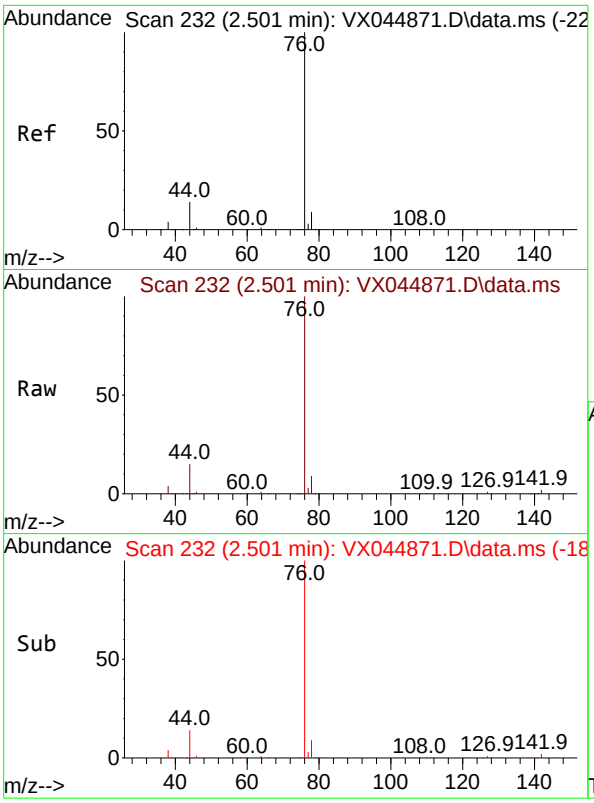


#16
Acetone
Concen: 249.274 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 187739

Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.5	39.7





#17
Carbon Disulfide
Concen: 49.853 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 76 Resp: 22551

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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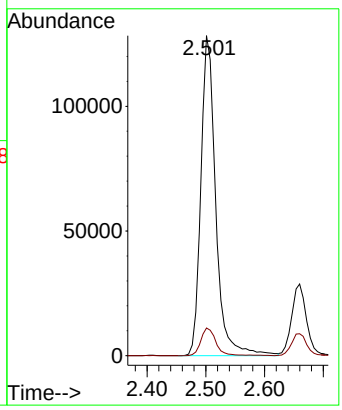
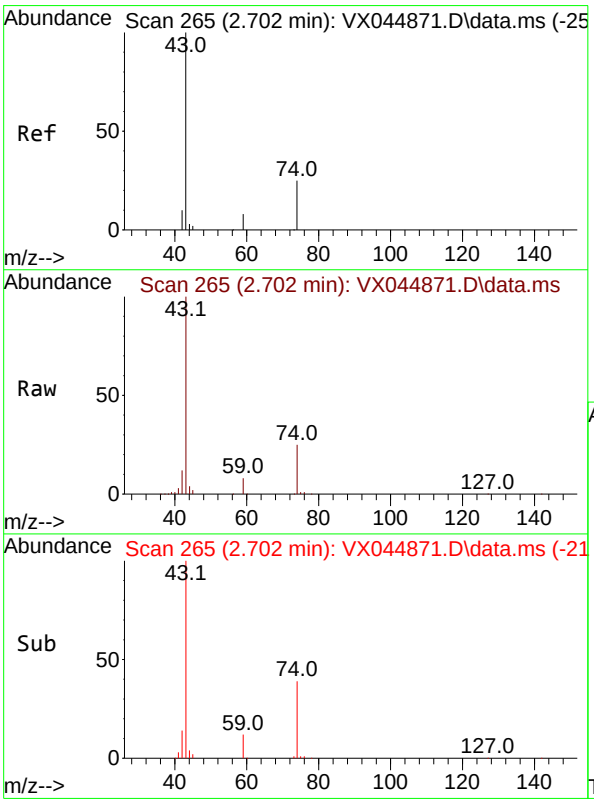
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

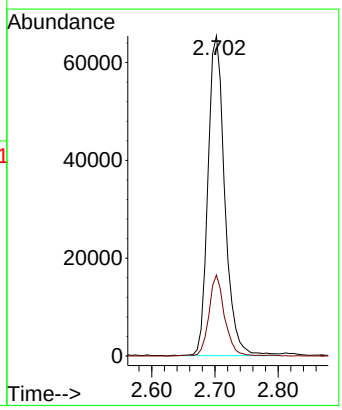


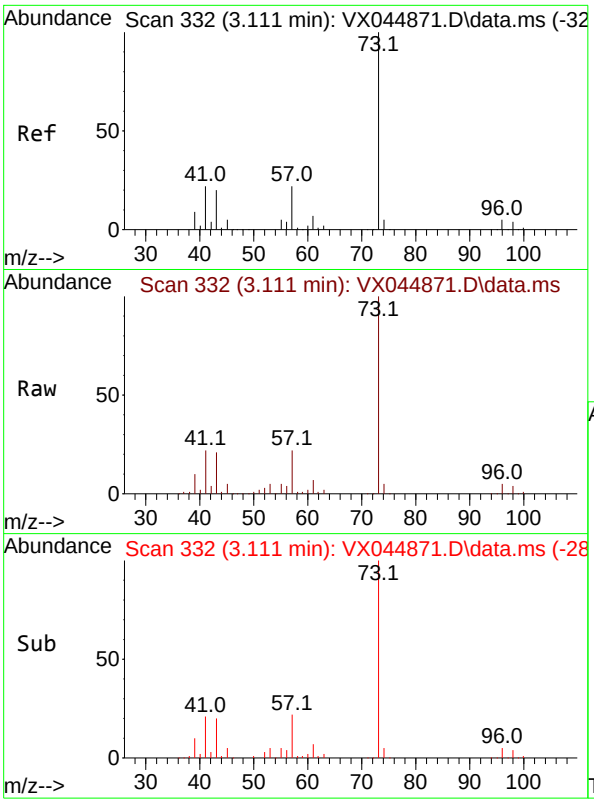


#18
Methyl Acetate
Concen: 50.928 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 121039

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 49.890 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 73 Resp: 26185

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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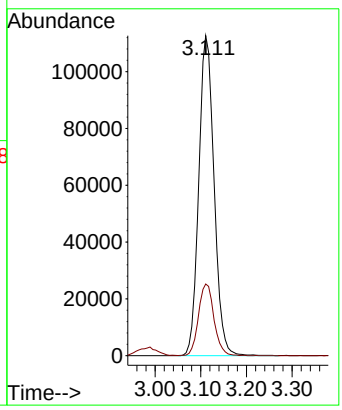
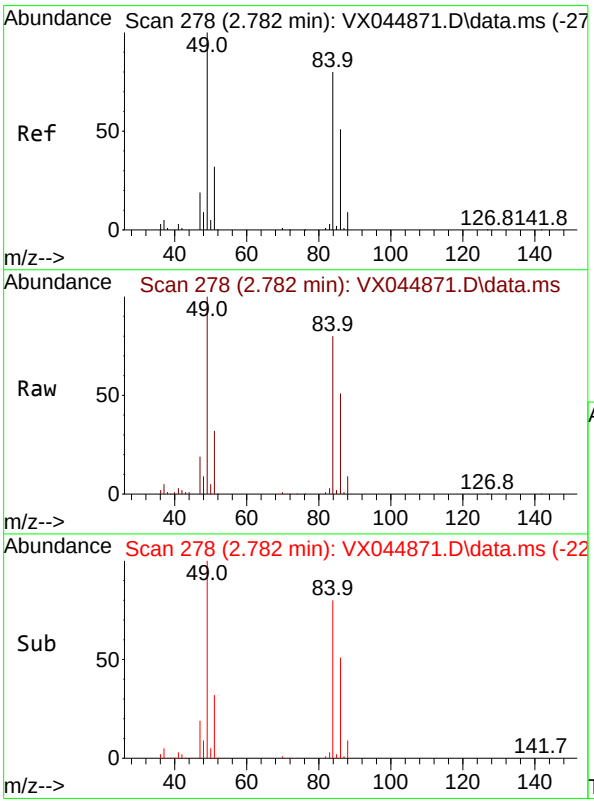
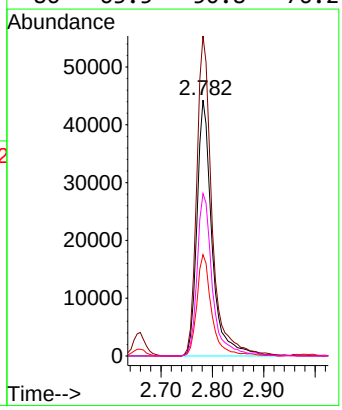


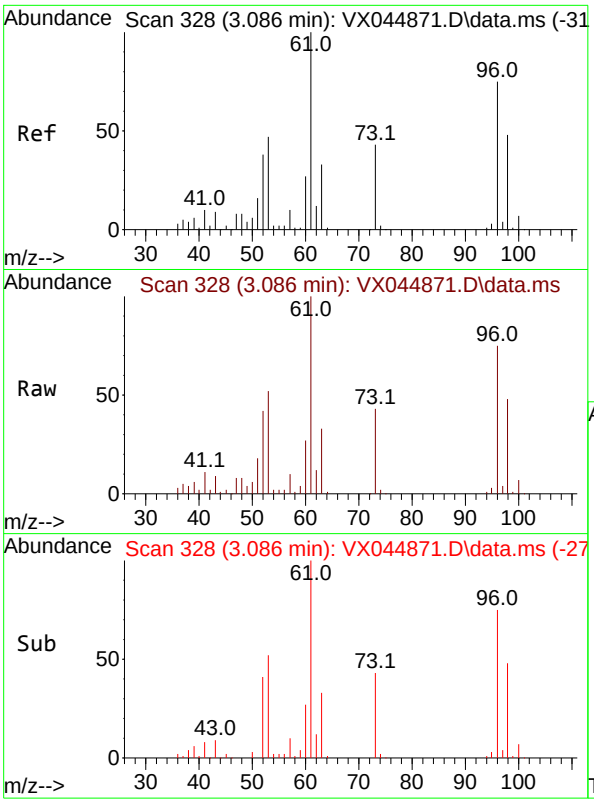


#20
Methylene Chloride
Concen: 48.808 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 84 Resp: 90038

Ion	Ratio	Lower	Upper
84	100		
49	125.1	100.1	150.1
51	39.6	31.7	47.5
86	63.5	50.8	76.2





#21
trans-1,2-Dichloroethene
Concen: 50.475 ug/l
RT: 3.086 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 96 Resp: 8195

Ion	Ratio	Lower	Upper
96	100		
61	132.5	106.0	159.0
98	63.3	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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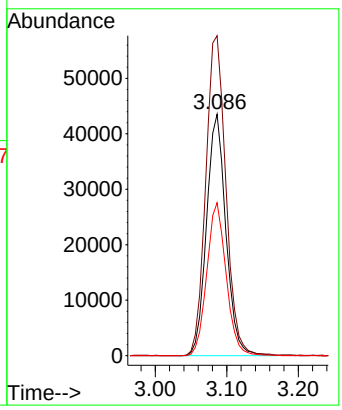
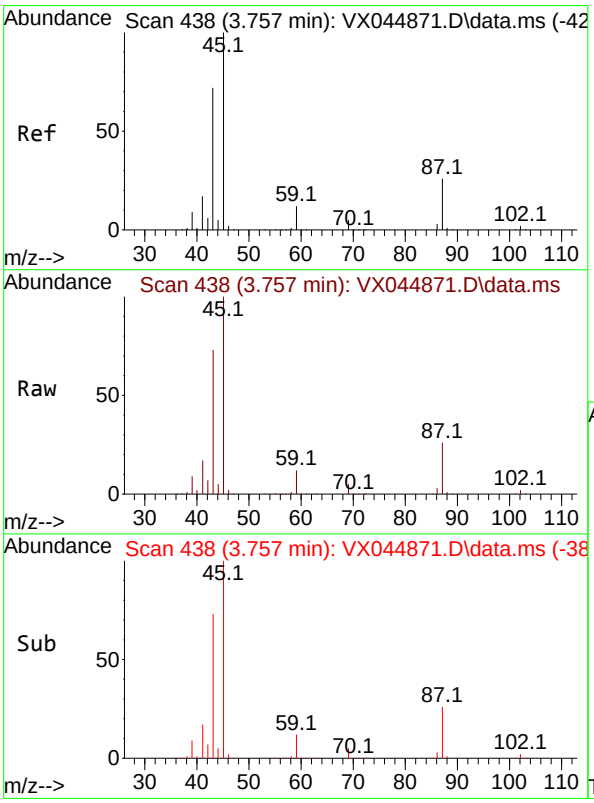
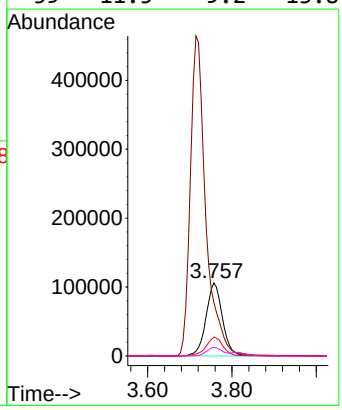


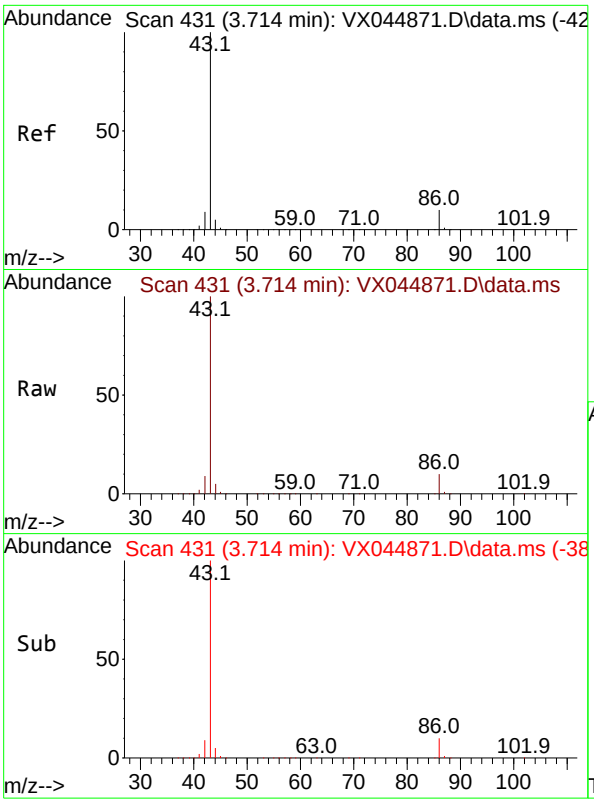


#22
Diisopropyl ether
Concen: 50.946 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 45 Resp: 287347

Ion	Ratio	Lower	Upper
45	100		
43	72.5	58.0	87.0
87	25.9	20.7	31.1
59	11.5	9.2	13.8





#23
Vinyl Acetate
Concen: 258.830 ug/l
RT: 3.714 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 119015

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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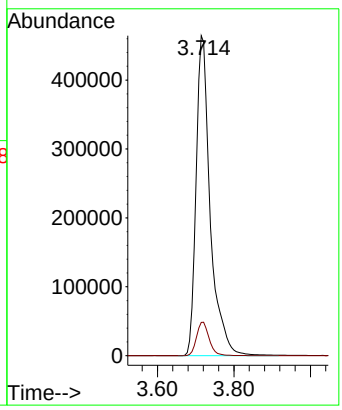
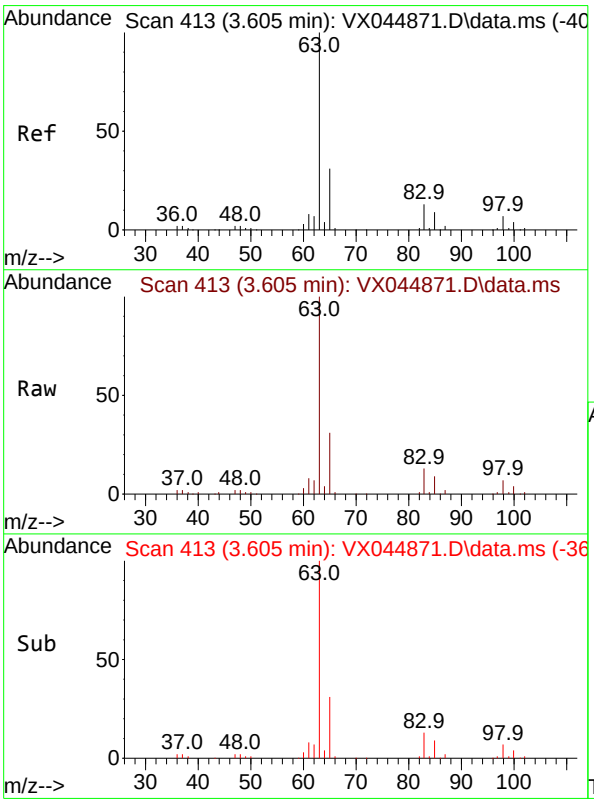
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

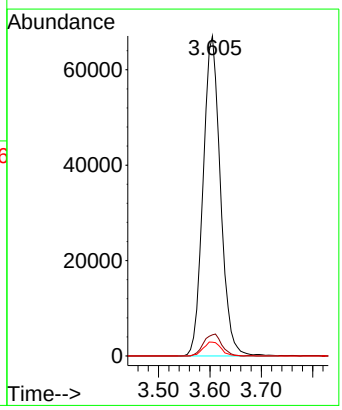


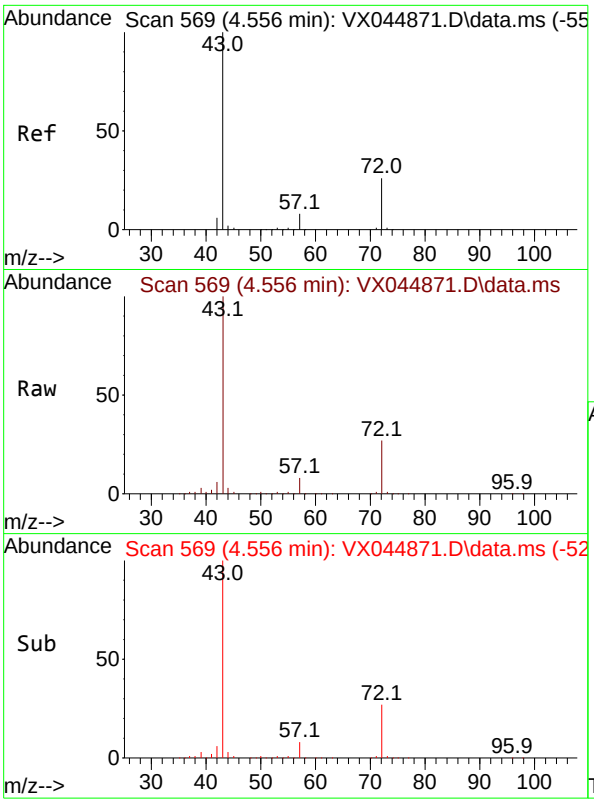


#24
1,1-Dichloroethane
Concen: 49.749 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 157003

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 264.528 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 32351

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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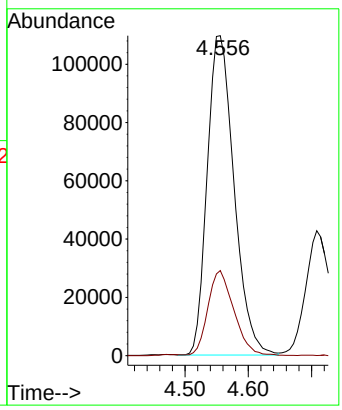
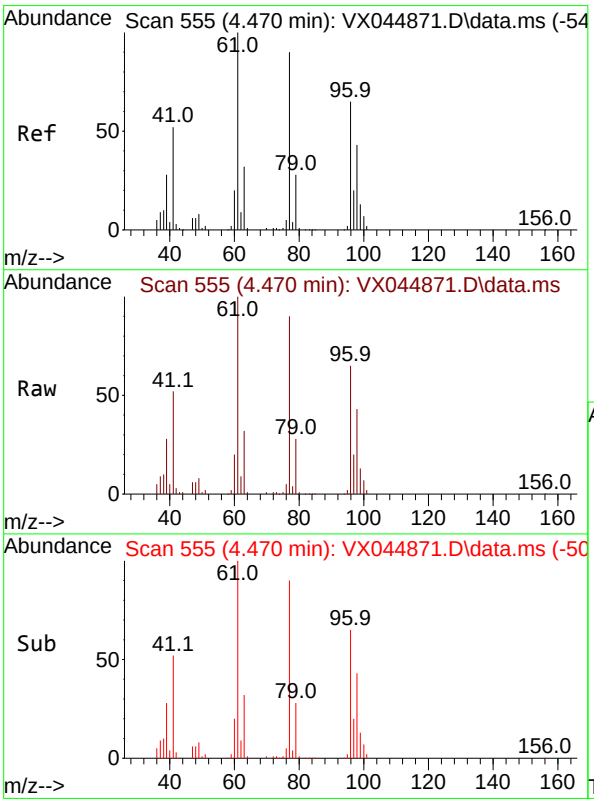
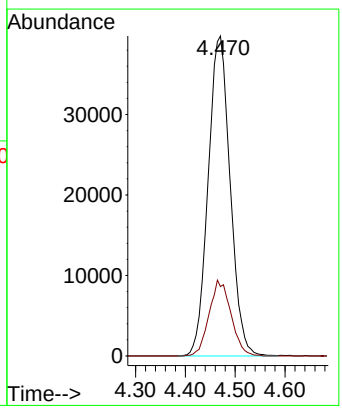


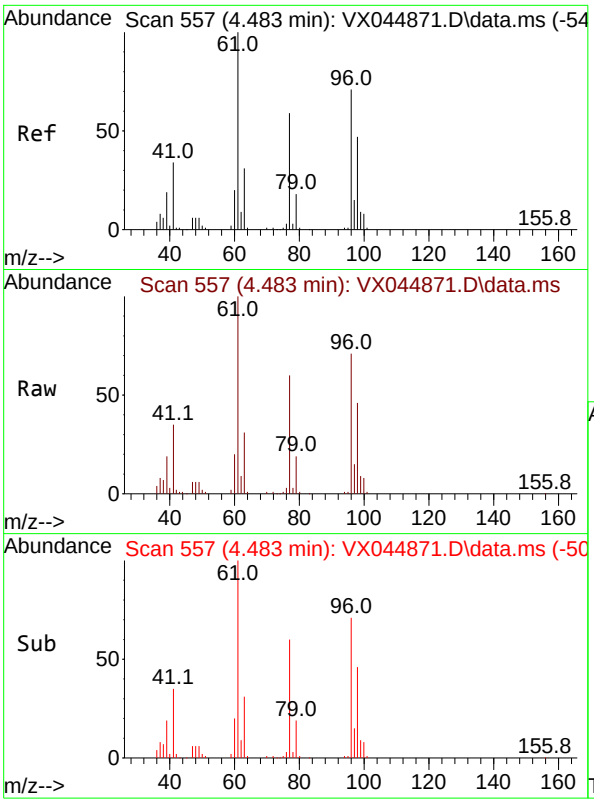


#26
2,2-Dichloropropane
Concen: 48.707 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 77 Resp: 121901

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.8	35.3





#27
cis-1,2-Dichloroethene
Concen: 49.721 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 96 Resp: 9696

Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	294.0
98	65.6	0.0	131.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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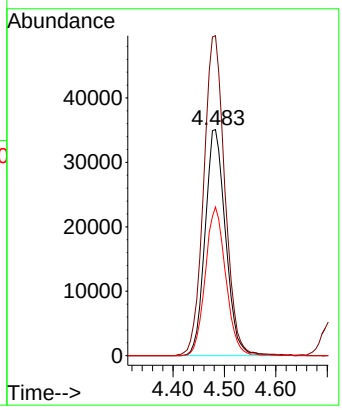
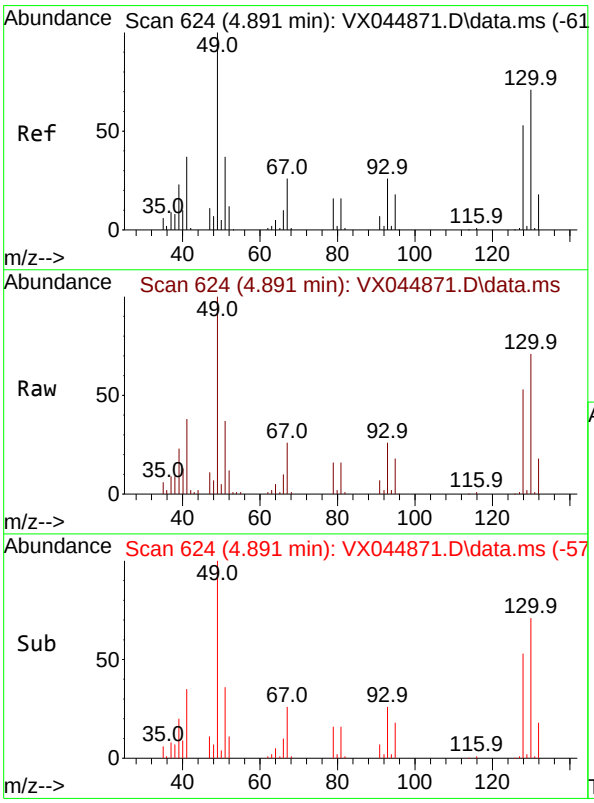
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

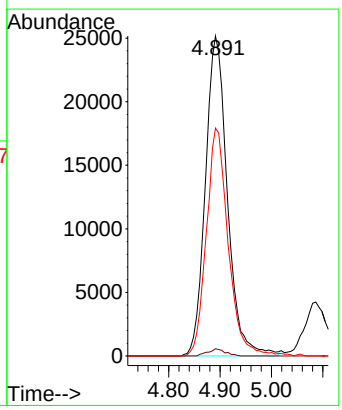


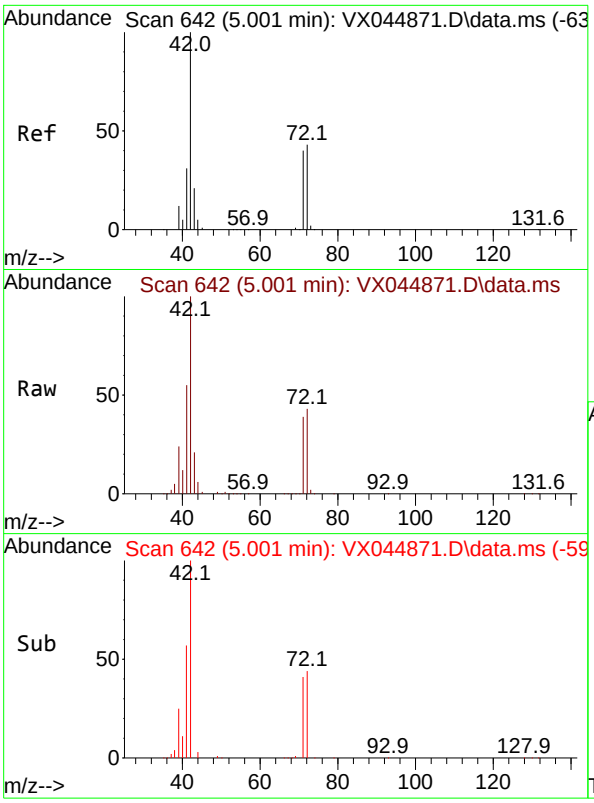


#28
Bromochloromethane
Concen: 49.258 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 49 Resp: 74707

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	70.9	56.7	85.1





#29
Tetrahydrofuran
Concen: 259.105 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 42 Resp: 21041

Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	40.7	32.6	48.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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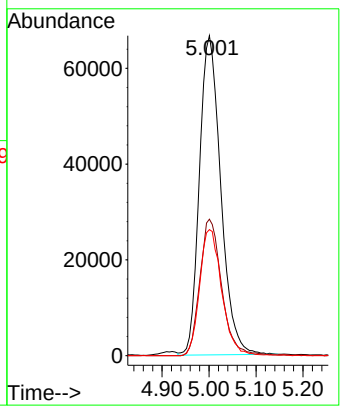
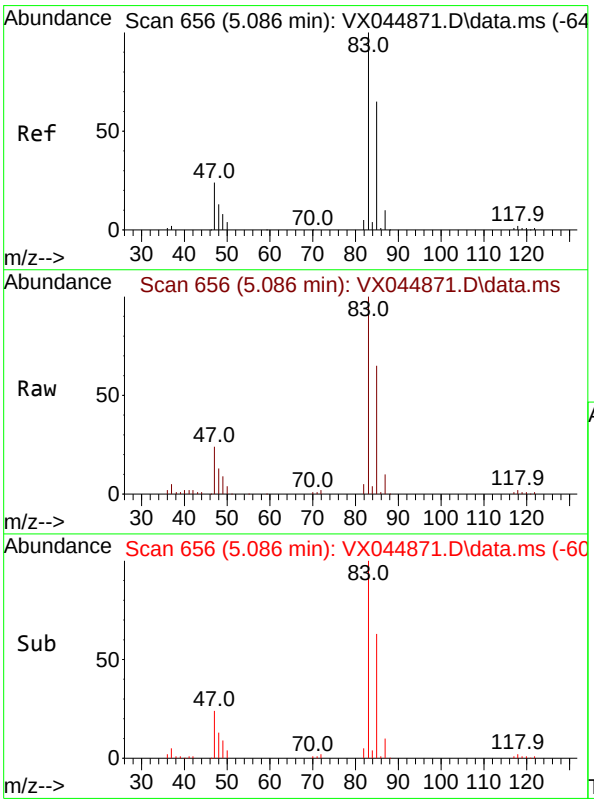
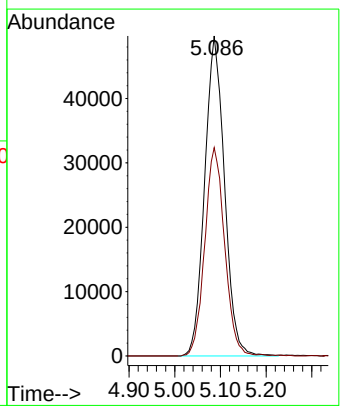


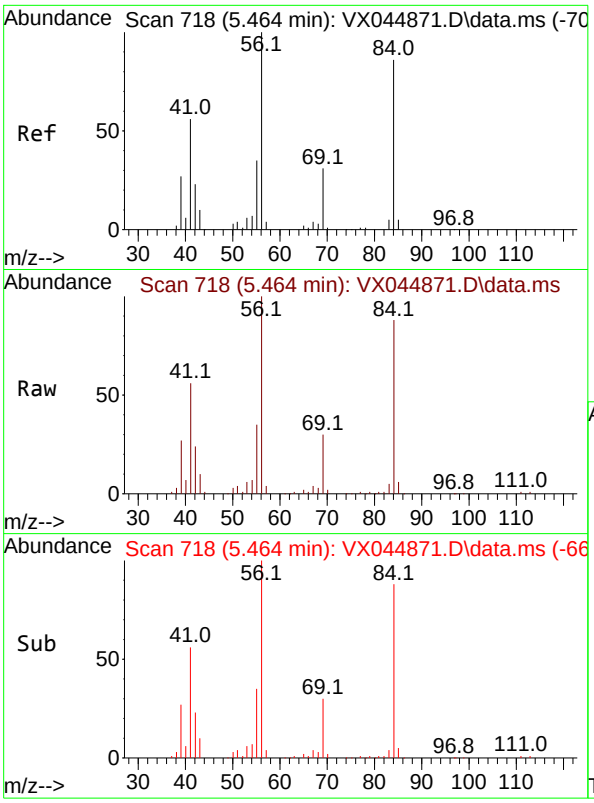


#30
Chloroform
Concen: 48.874 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 83 Resp: 149581

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





#31
Cyclohexane
Concen: 49.322 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 56 Resp: 14350

Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	86.3	69.0	103.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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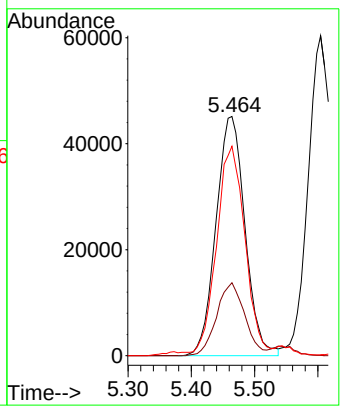
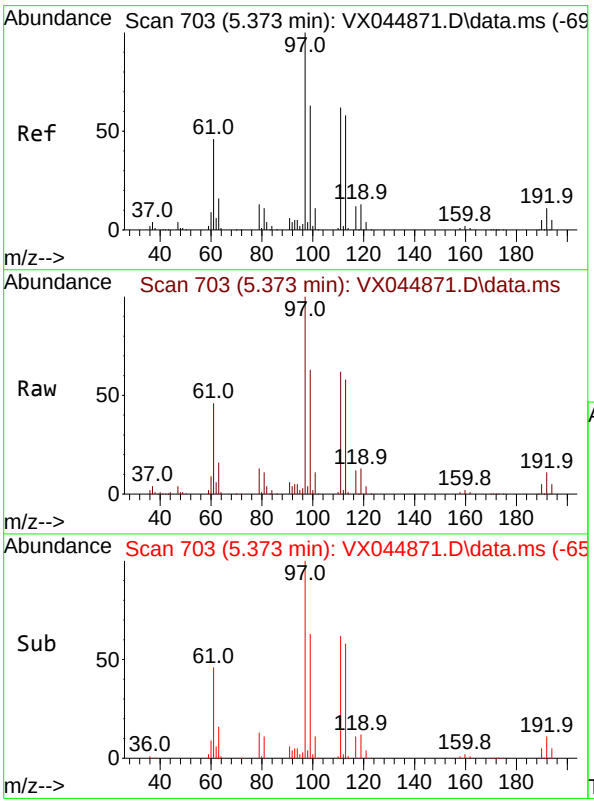
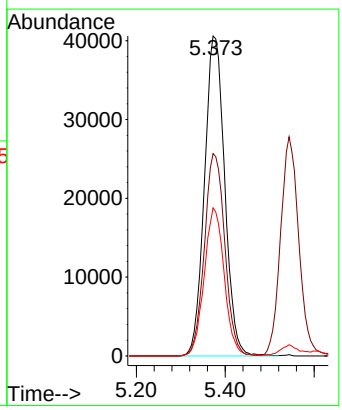


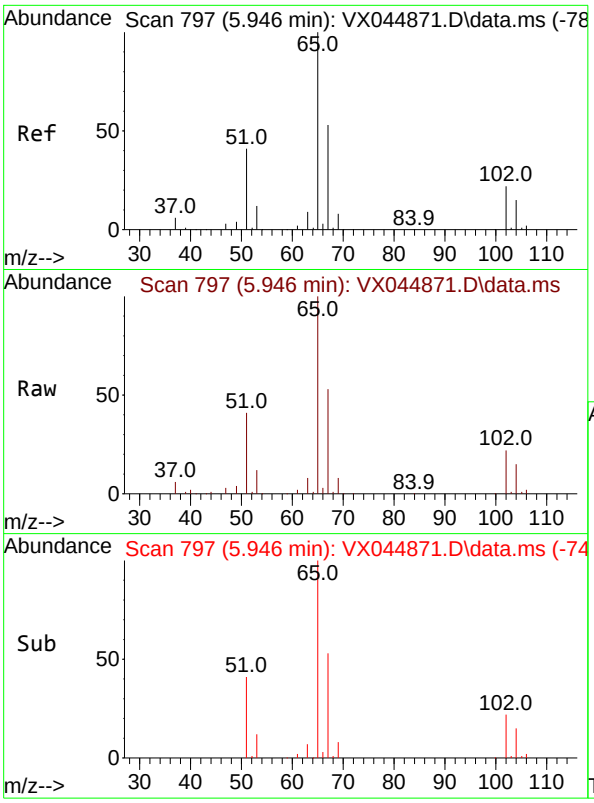


#32
1,1,1-Trichloroethane
Concen: 49.523 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 97 Resp: 128561

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.8	36.6	55.0





#33
1,2-Dichloroethane-d4
Concen: 49.424 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 65 Resp: 9259

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	108.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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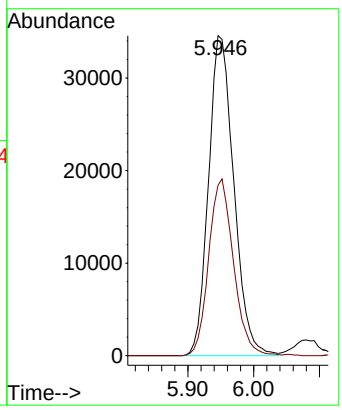
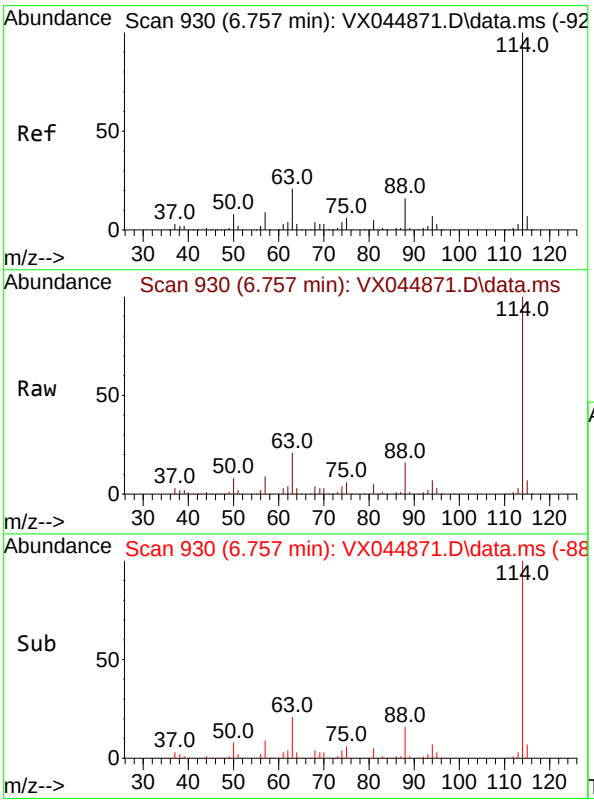
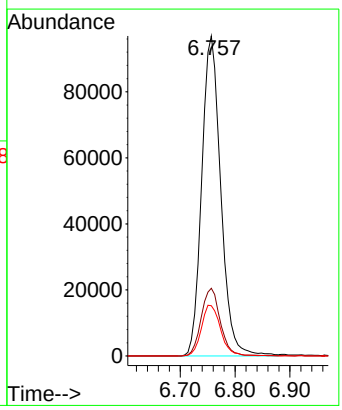


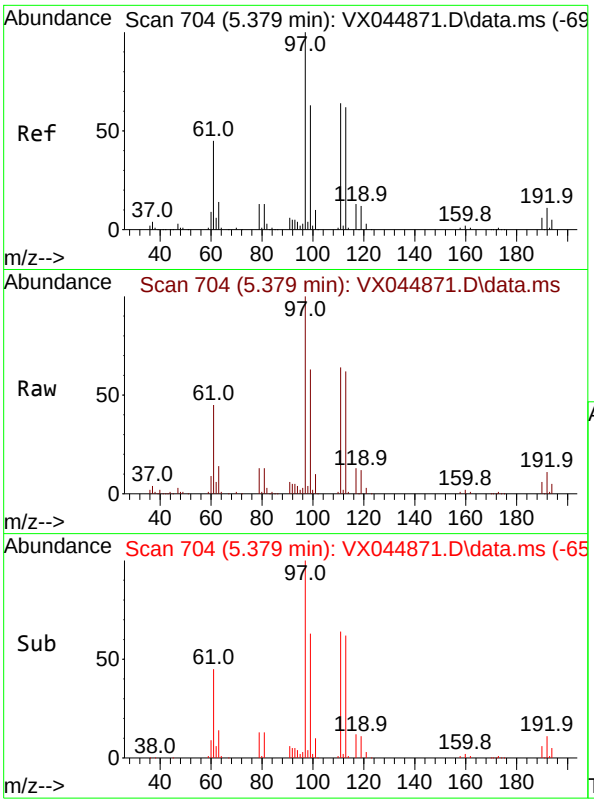


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:114 Resp: 233736

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	15.7	0.0	31.4





#35
Dibromofluoromethane
Concen: 49.291 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

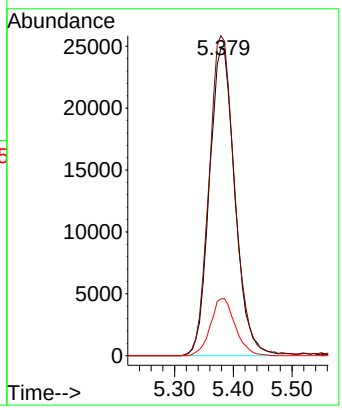
Tgt Ion:113 Resp: 7490

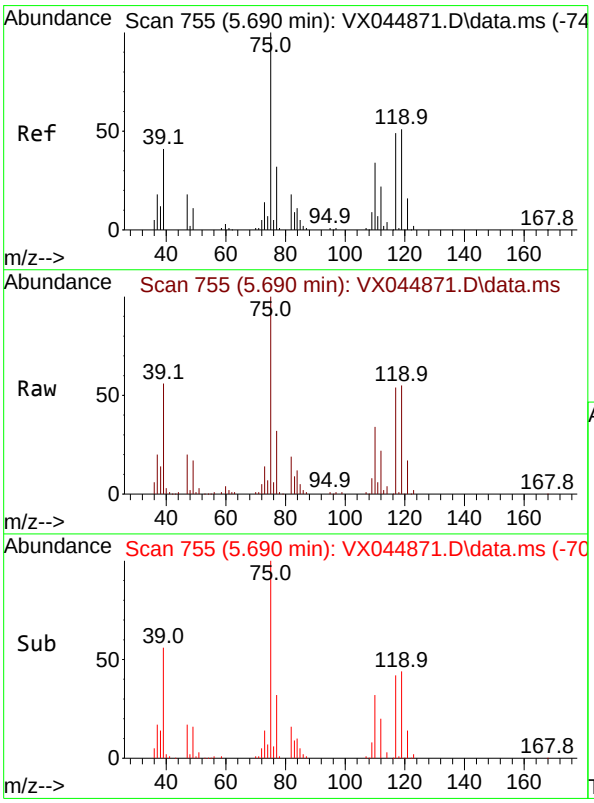
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	18.0	14.4	21.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

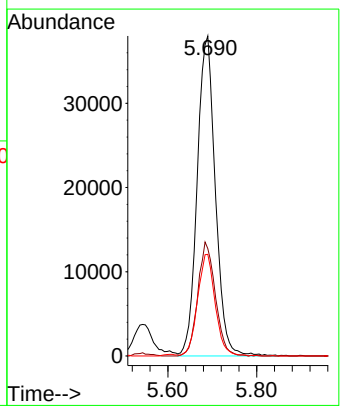


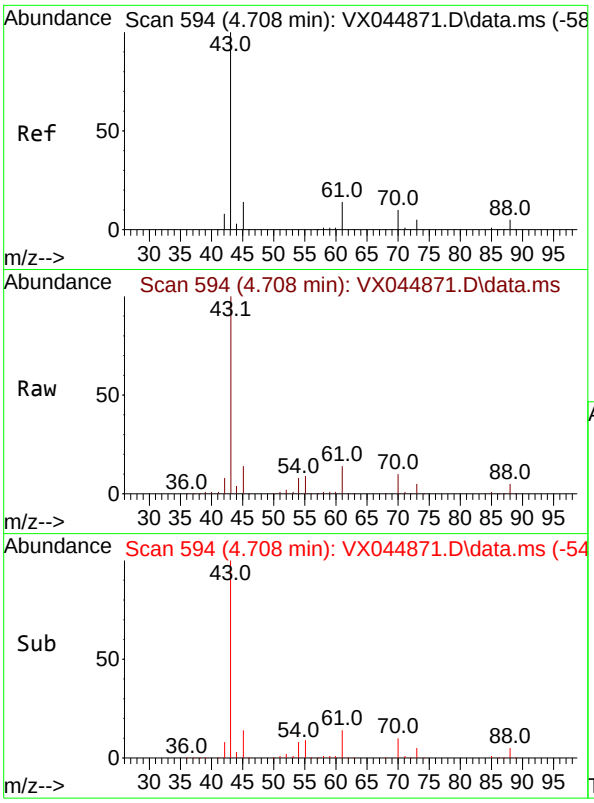


#36
1,1-Dichloropropene
Concen: 49.353 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 108206

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.8	24.6	37.0





#37
Ethyl Acetate
Concen: 50.535 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 12323

Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.2	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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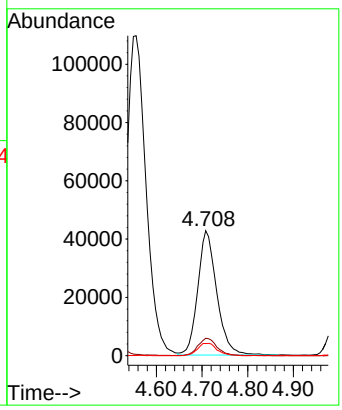
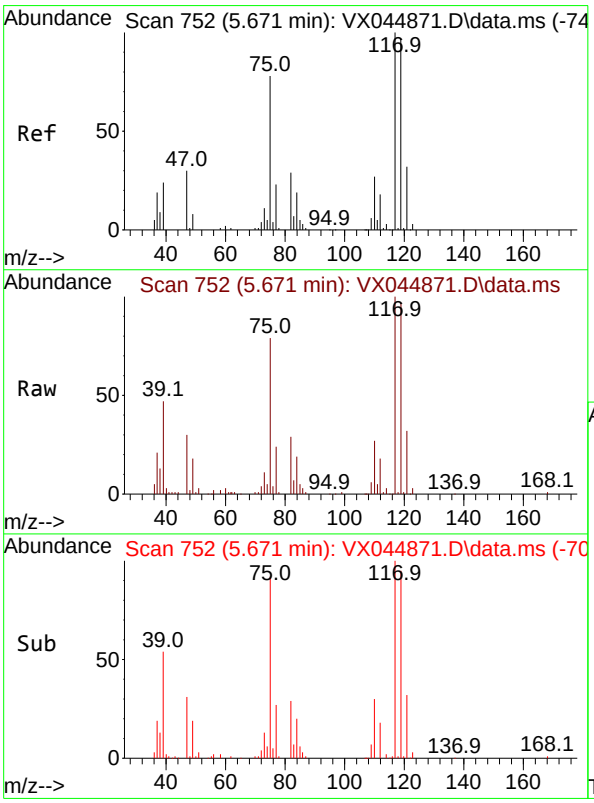
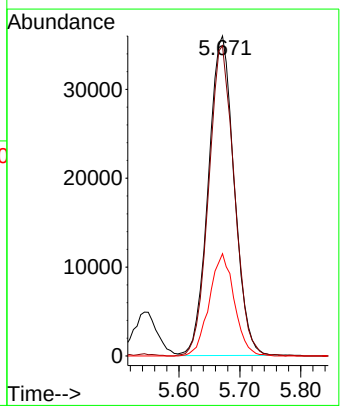


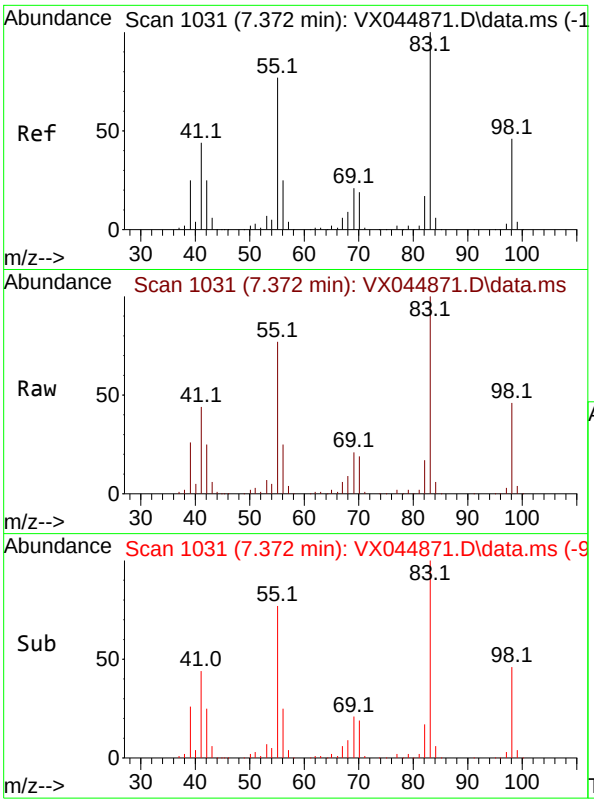


#38
Carbon Tetrachloride
Concen: 49.277 ug/l
RT: 5.671 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:117 Resp: 105873

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
121	32.0	25.6	38.4





#39
Methylcyclohexane
Concen: 51.274 ug/l
RT: 7.372 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 83 Resp: 14533

Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	46.3	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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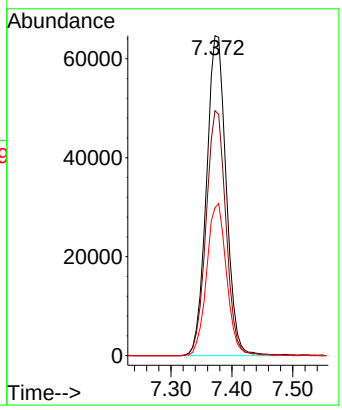
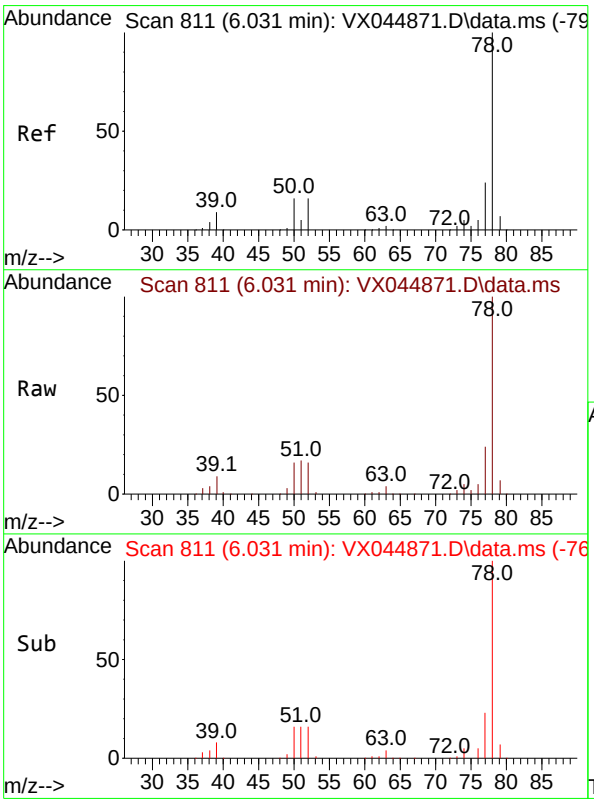
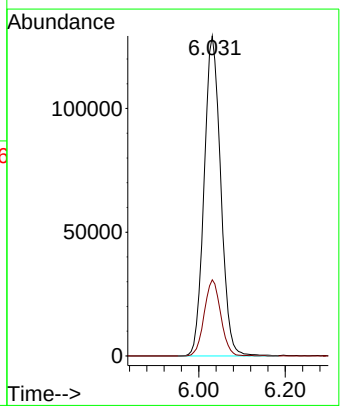


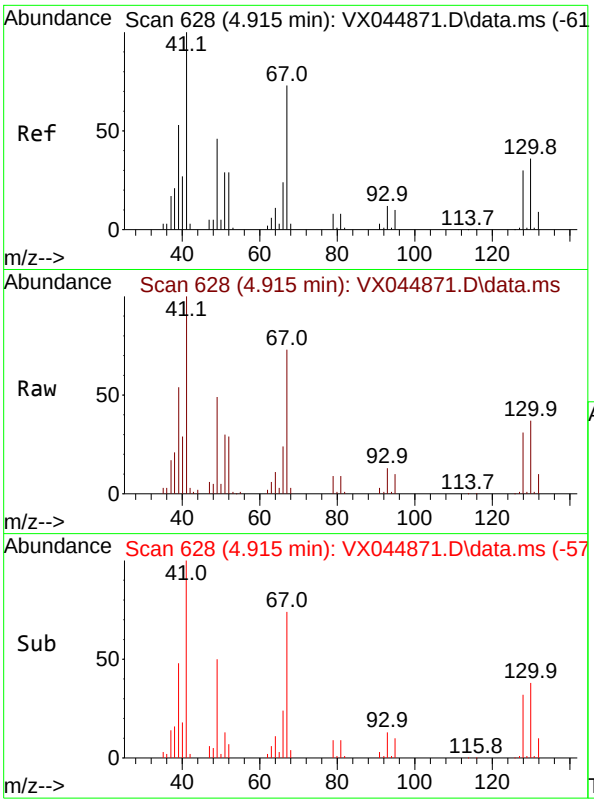


#40
Benzene
Concen: 50.182 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 78 Resp: 343557

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41
Methacrylonitrile
Concen: 54.065 ug/l
RT: 4.915 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 7057

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	71.3	57.0	85.6
52	30.0	24.0	36.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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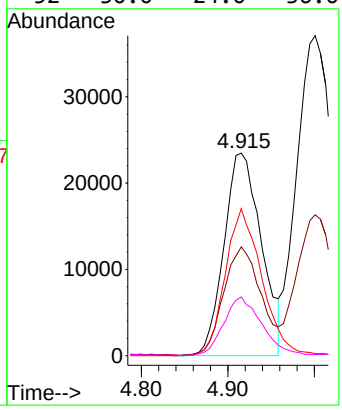
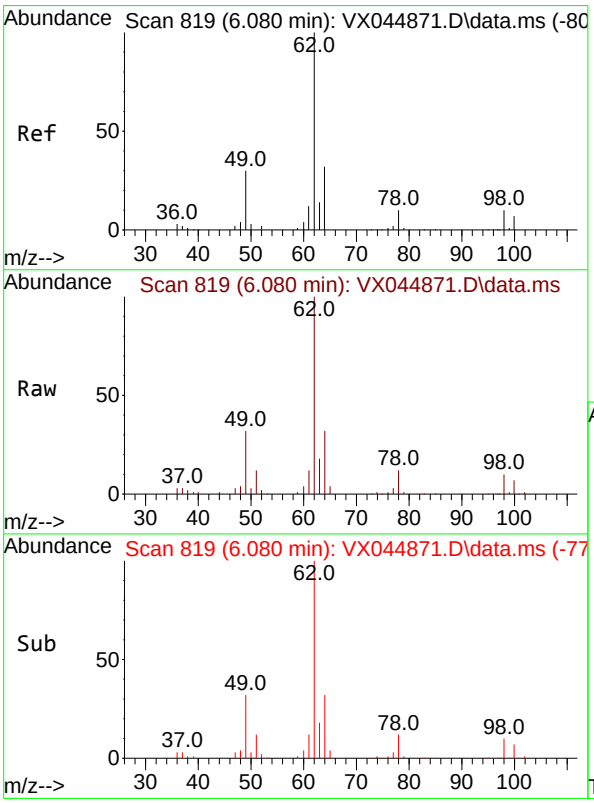
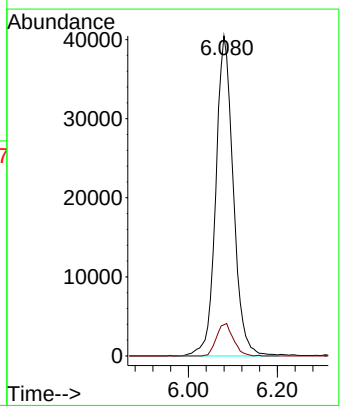


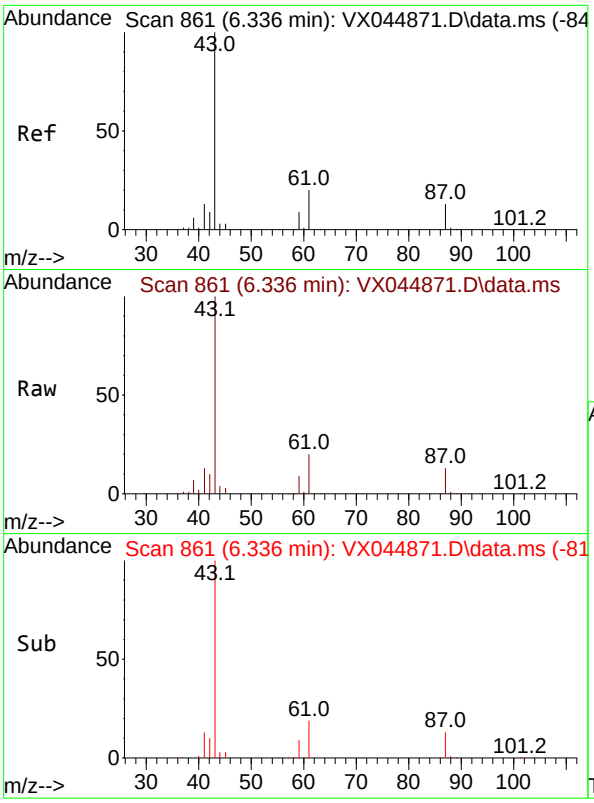


#42
1,2-Dichloroethane
Concen: 50.573 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 110347

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43
Isopropyl Acetate
Concen: 51.981 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 20470

Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.8
87	12.5	10.0	15.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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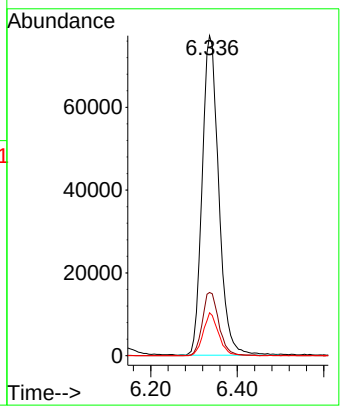
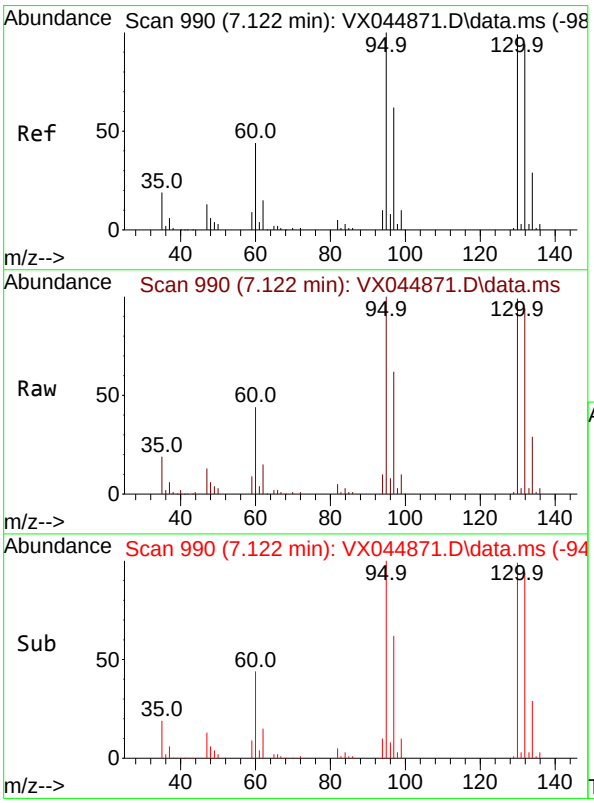
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

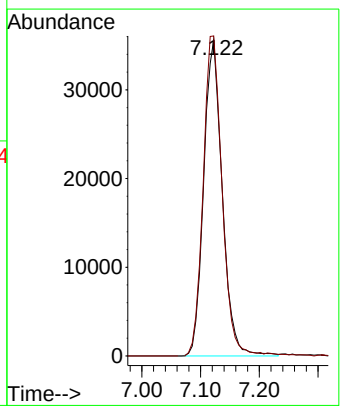


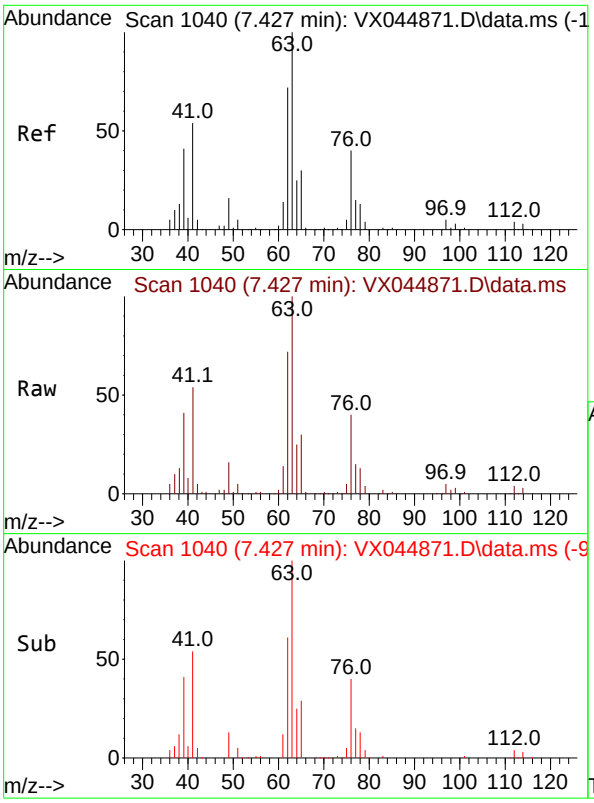


#44
Trichloroethene
Concen: 50.020 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:130 Resp: 78274

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	202.4





#45
1,2-Dichloropropane
Concen: 50.335 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 8573

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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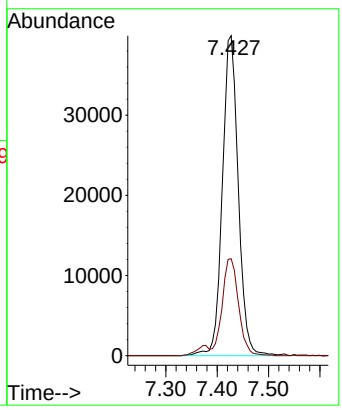
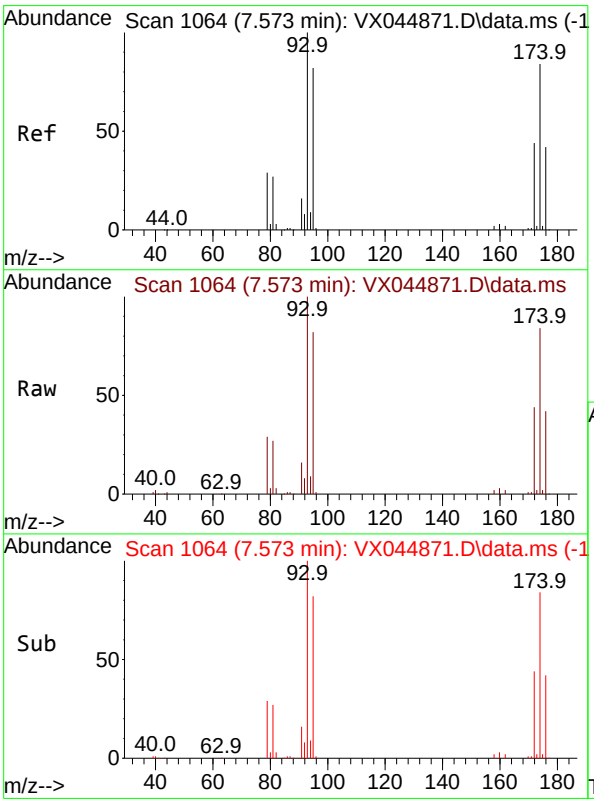
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

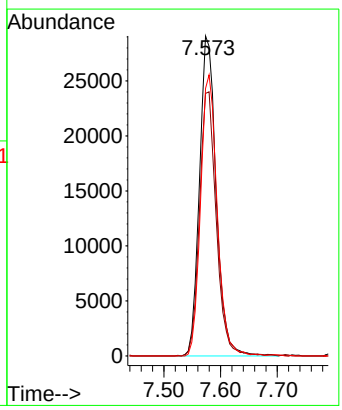


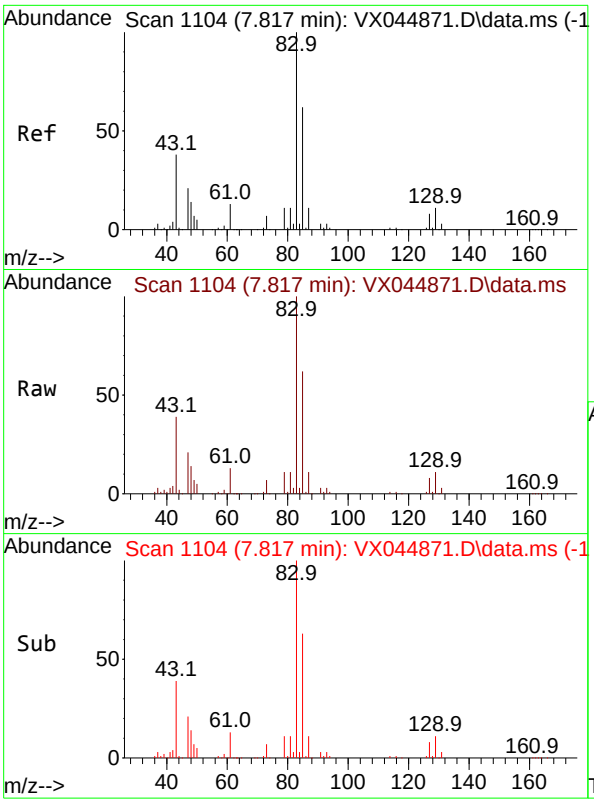


#46
Dibromomethane
Concen: 50.479 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 93 Resp: 59625

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	87.4	69.9	104.9





#47
Bromodichloromethane
Concen: 51.108 ug/l
RT: 7.817 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

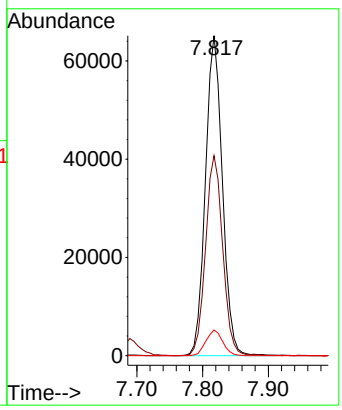
Tgt Ion: 83 Resp: 11689

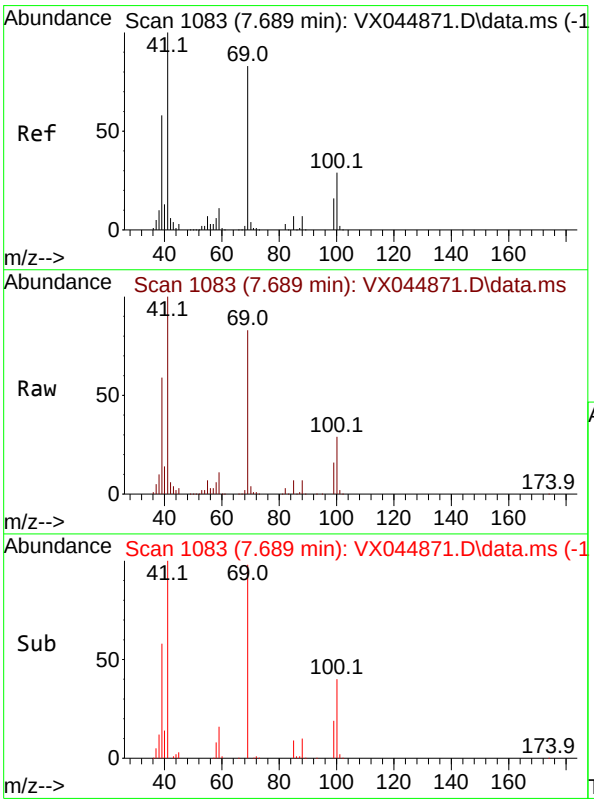
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.0	75.0
127	8.0	6.4	9.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

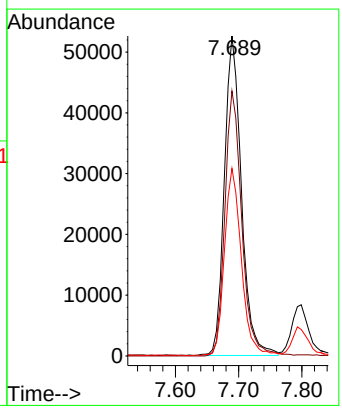


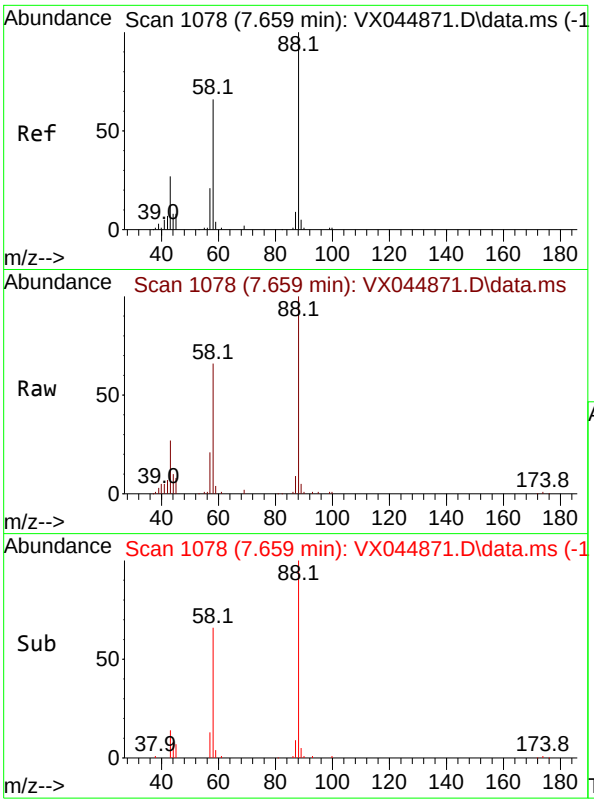


#48
Methyl methacrylate
Concen: 53.057 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 98519

Ion	Ratio	Lower	Upper
41	100		
69	82.3	65.8	98.8
39	58.0	46.4	69.6





#49
1,4-Dioxane
Concen: 1056.618 ug/l
RT: 7.659 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 88 Resp: 4209

Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	39.8
58	69.9	55.9	83.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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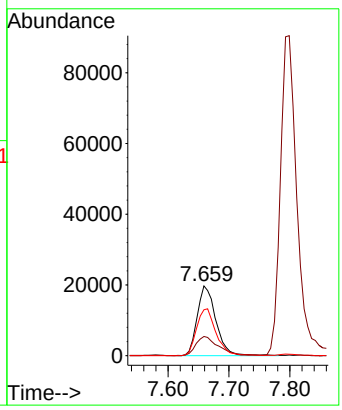
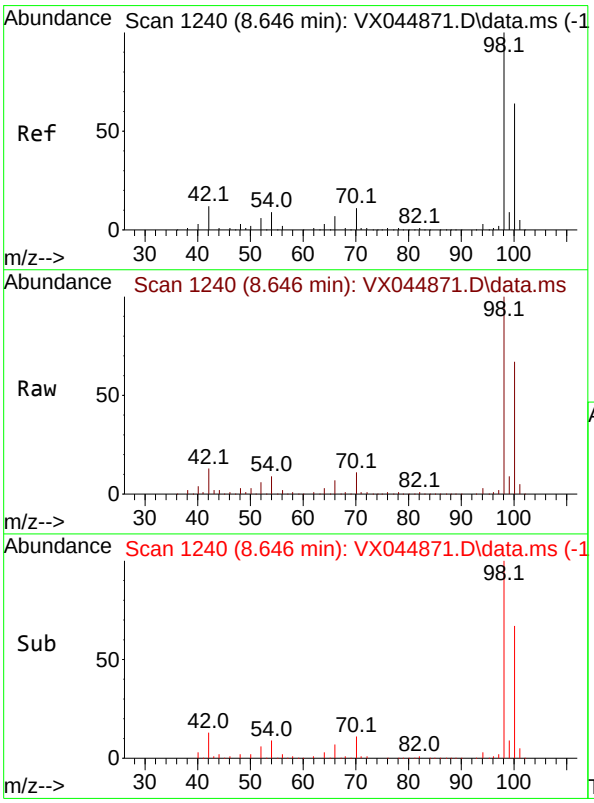
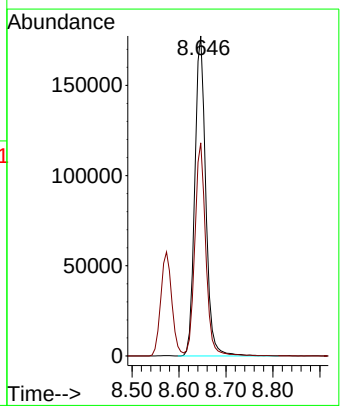


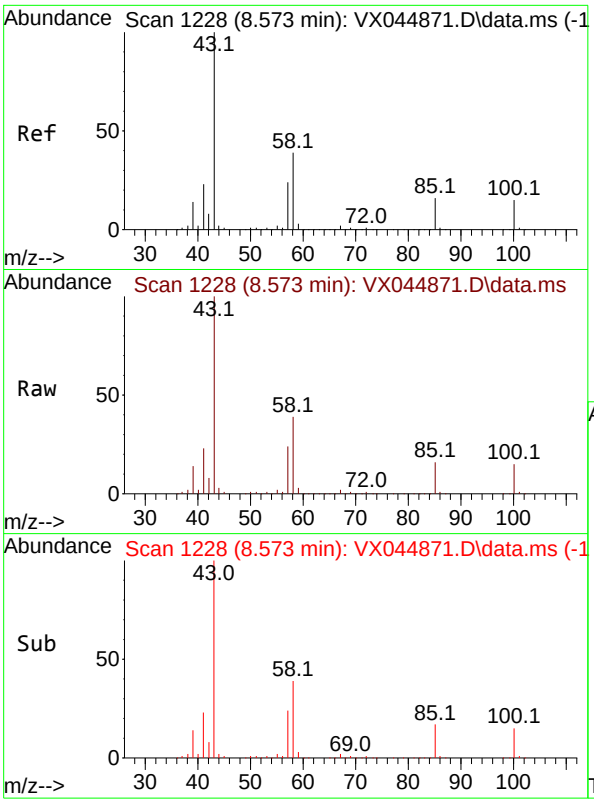


#50
Toluene-d8
Concen: 50.392 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 98 Resp: 289575

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 270.364 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 64728

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.8	46.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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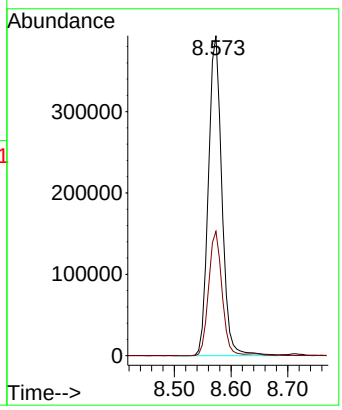
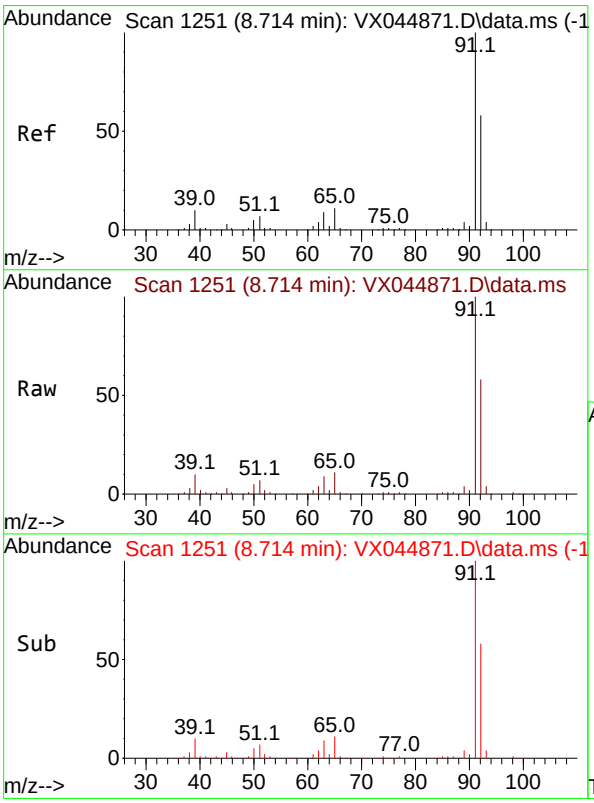
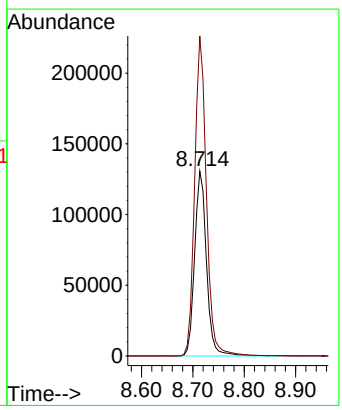


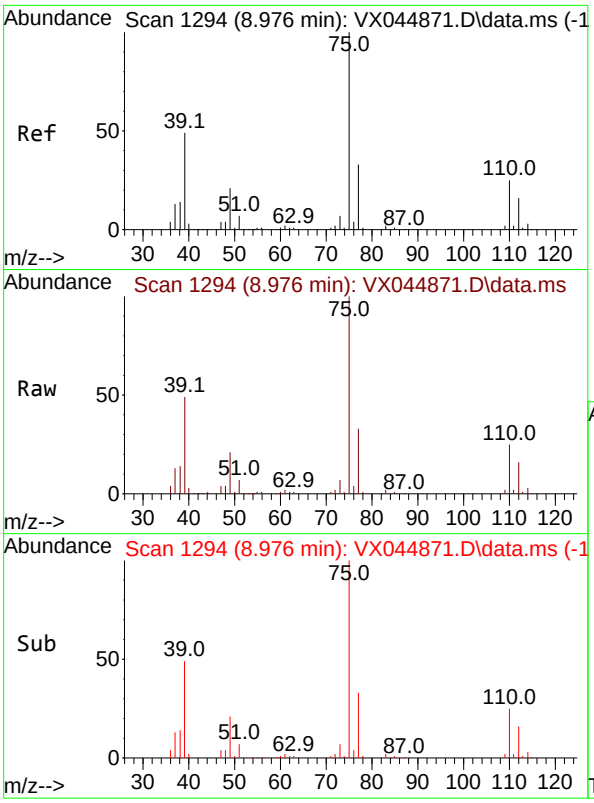


#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 92 Resp: 210007

Ion	Ratio	Lower	Upper
92	100		
91	171.8	137.4	206.2





#53
t-1,3-Dichloropropene
Concen: 51.902 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 12012

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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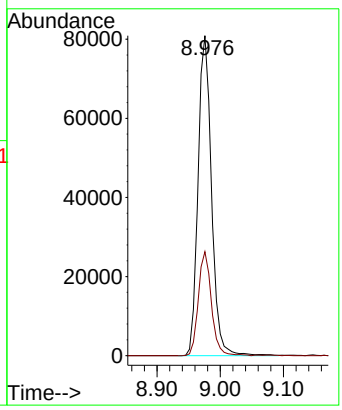
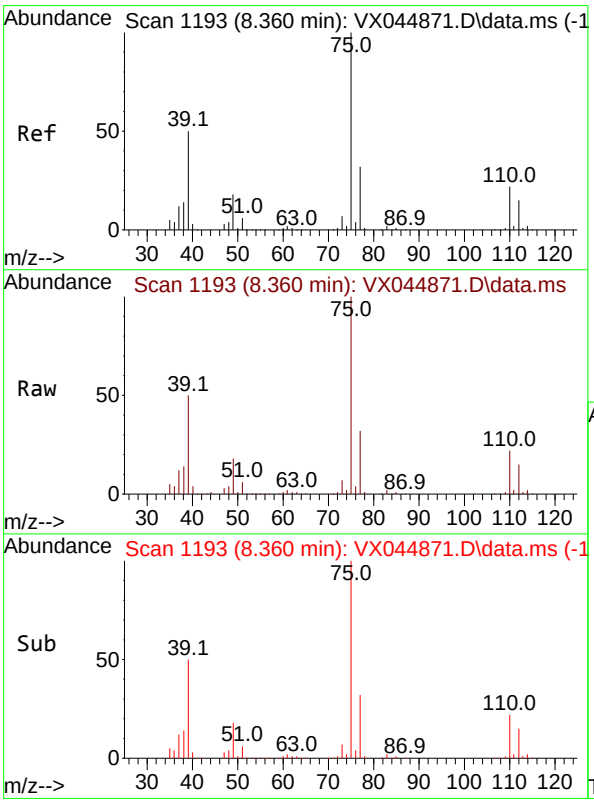
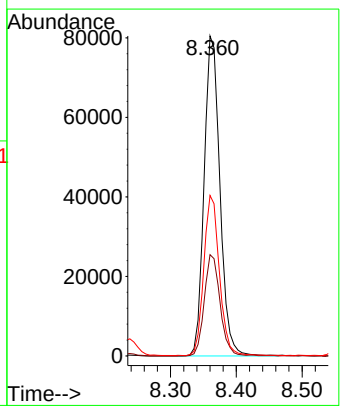


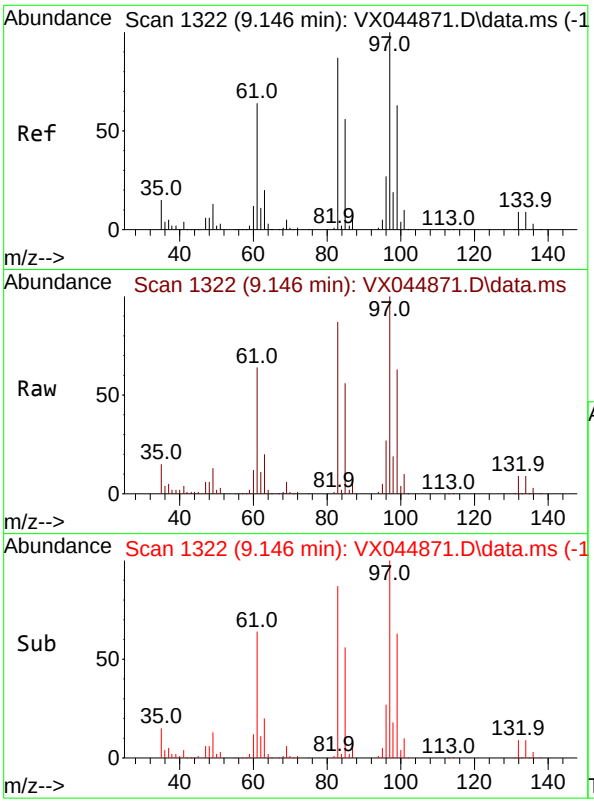


#54
cis-1,3-Dichloropropene
Concen: 52.223 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 134763

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	50.0	40.0	60.0

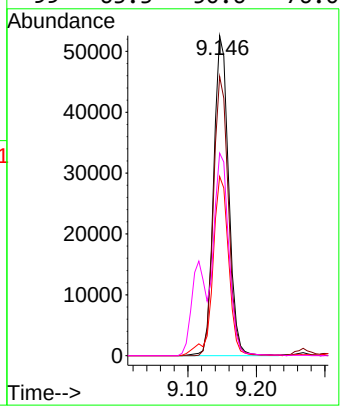




#55
1,1,2-Trichloroethane
Concen: 50.876 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 97 Resp: 7974

Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.8	104.6
85	56.0	44.8	67.2
99	63.3	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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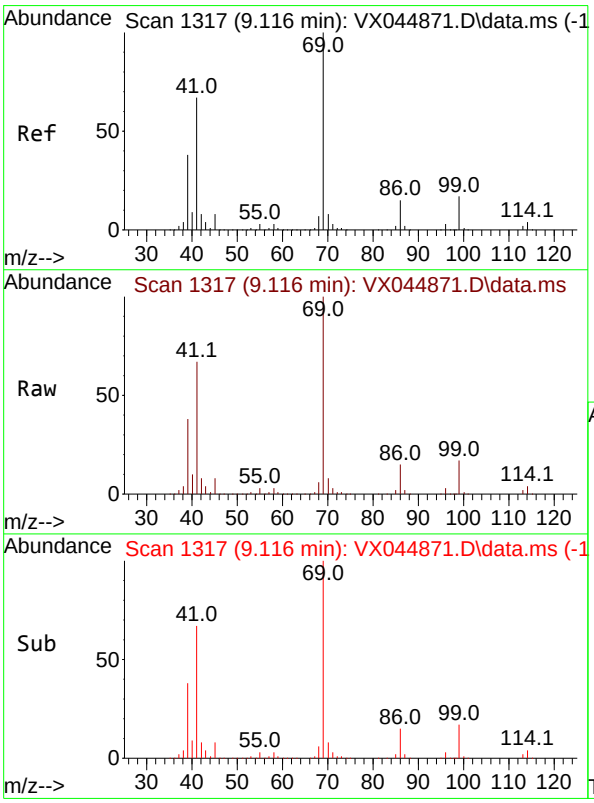
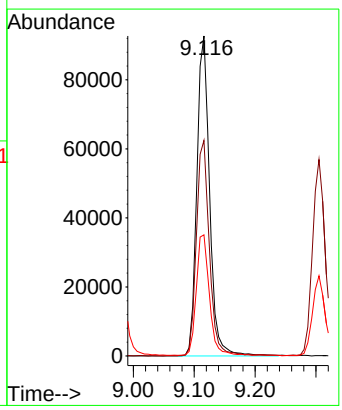
Supervised By :Mahesh Dadoda 02/11/2025

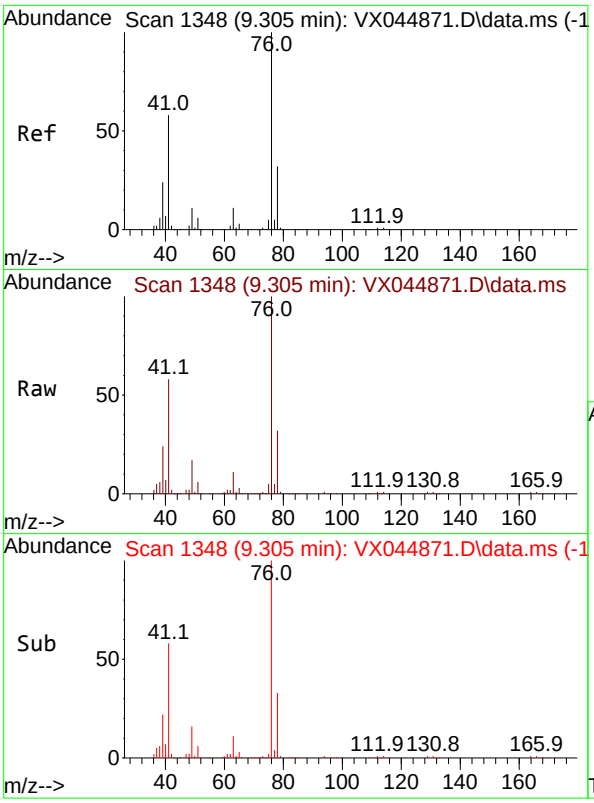


#56
Ethyl methacrylate
Concen: 53.319 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 69 Resp: 134975

Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.2	82.8
39	38.5	30.8	46.2





#57
1,3-Dichloropropane
Concen: 51.537 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 76 Resp: 14133

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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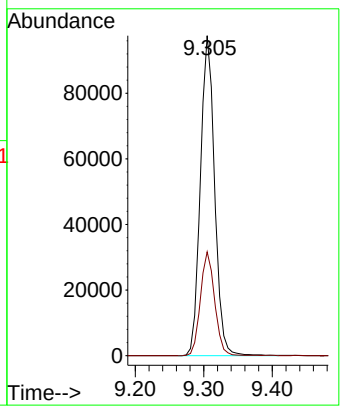
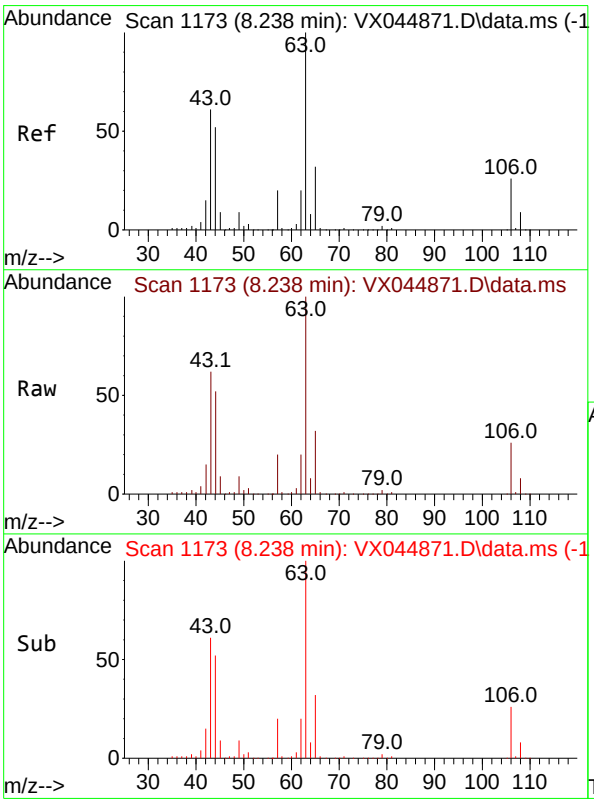
Supervised By :Mahesh Dadoda 02/11/2025

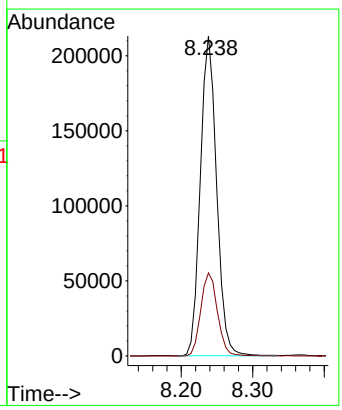


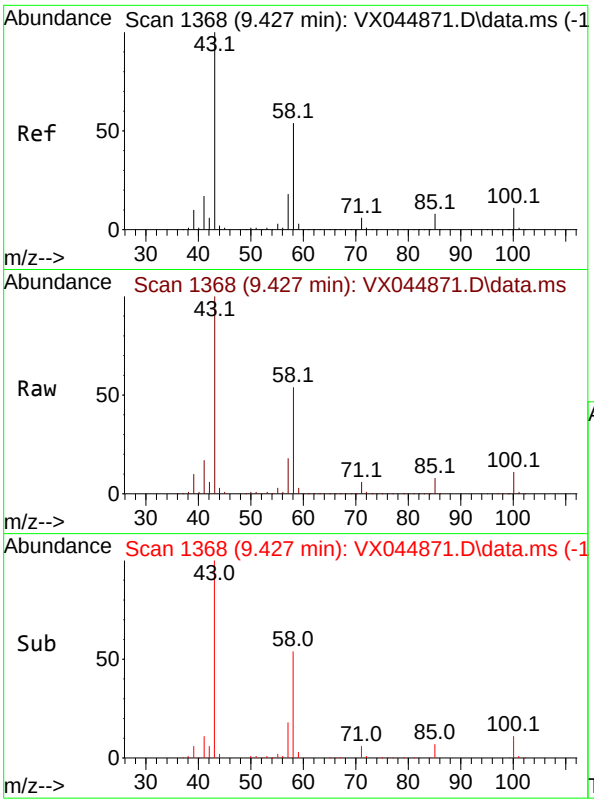


#58
2-Chloroethyl Vinyl ether
Concen: 270.652 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 336412

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9





#59
2-Hexanone
Concen: 273.800 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 47230

Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.5	82.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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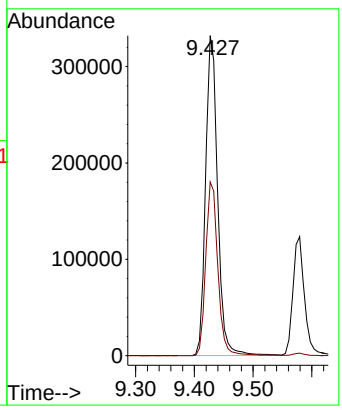
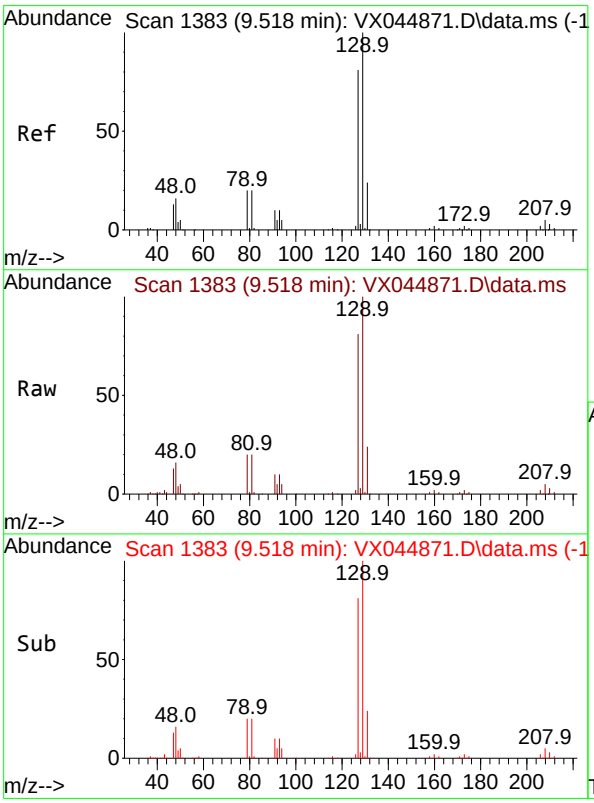
Supervised By :Mahesh Dadoda 02/11/2025

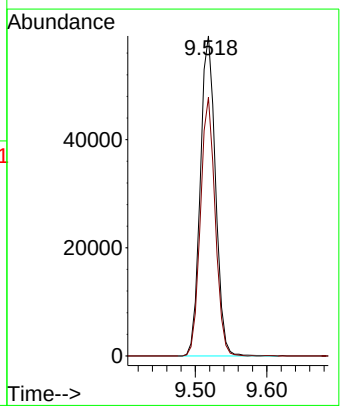


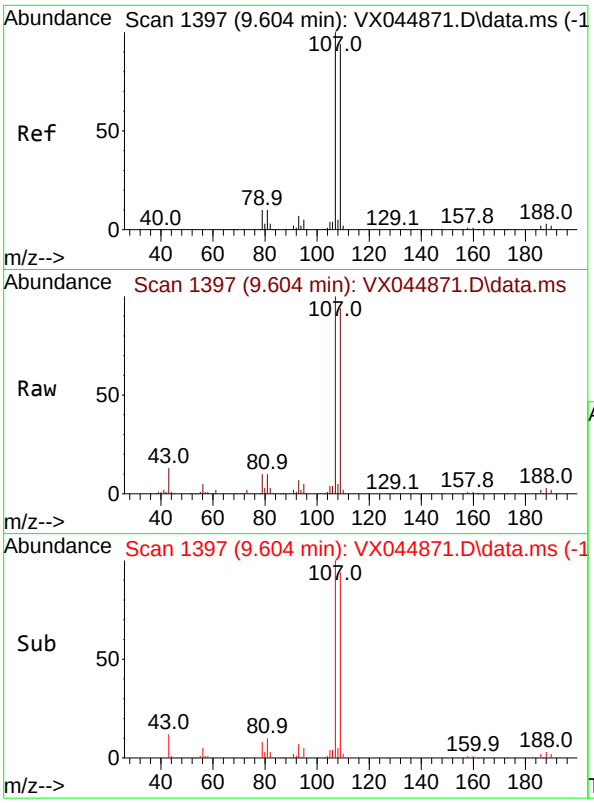


#60
Dibromochloromethane
Concen: 52.045 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:129 Resp: 87240

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3





#61
1,2-Dibromoethane
Concen: 51.564 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:107 Resp: 8191

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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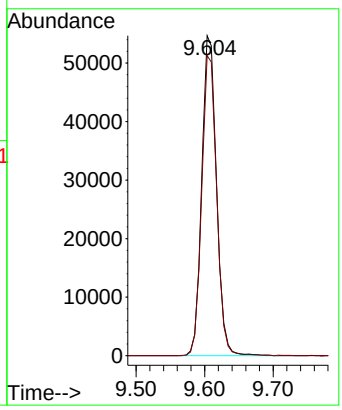
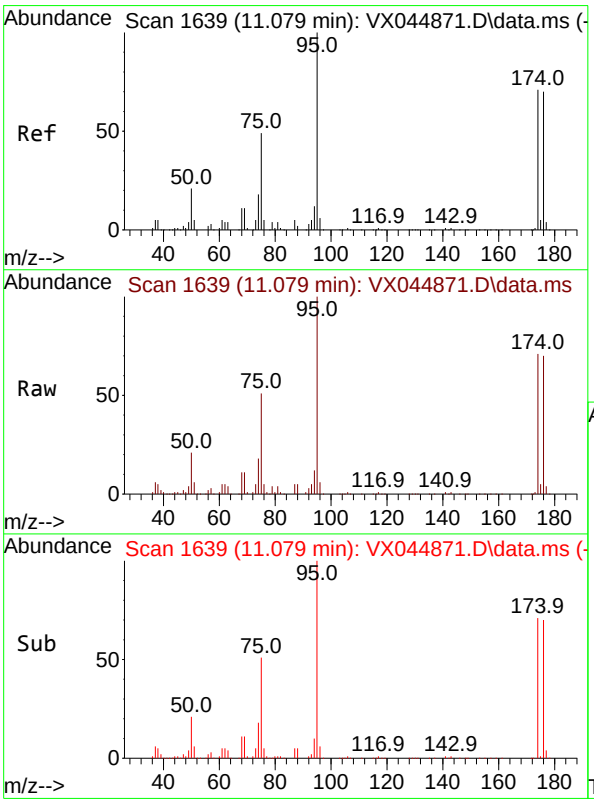
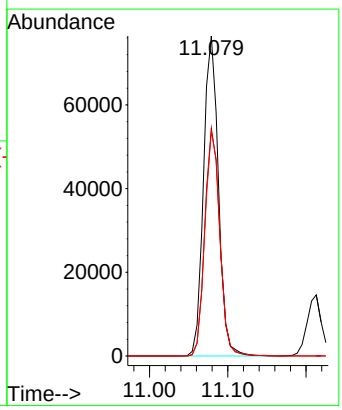


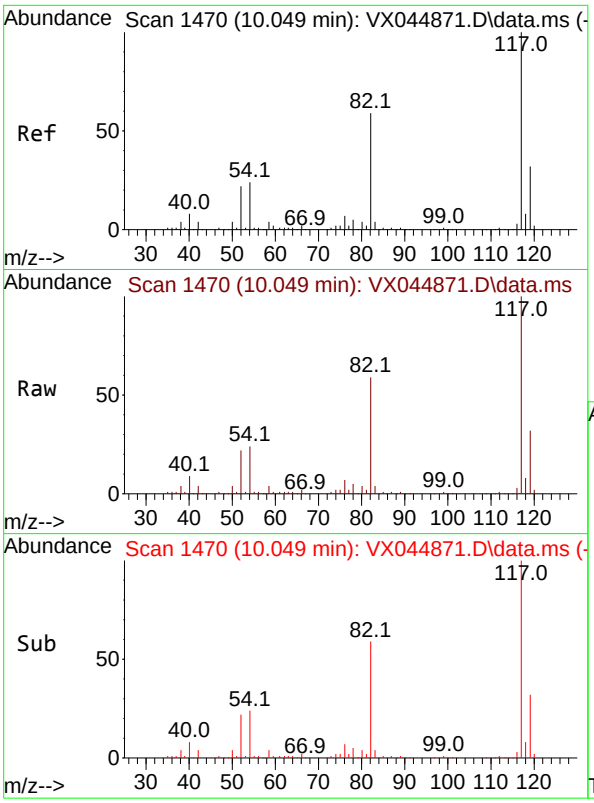


#62
4-Bromofluorobenzene
Concen: 52.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 95 Resp: 100798

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	142.6
176	70.8	0.0	141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:117 Resp: 20475

Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.5	71.3
119	31.7	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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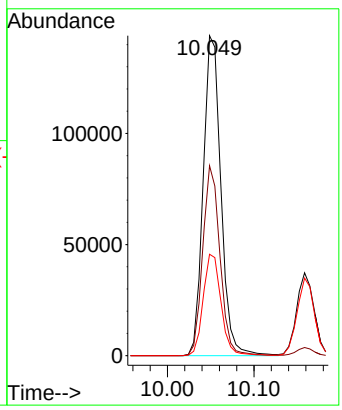
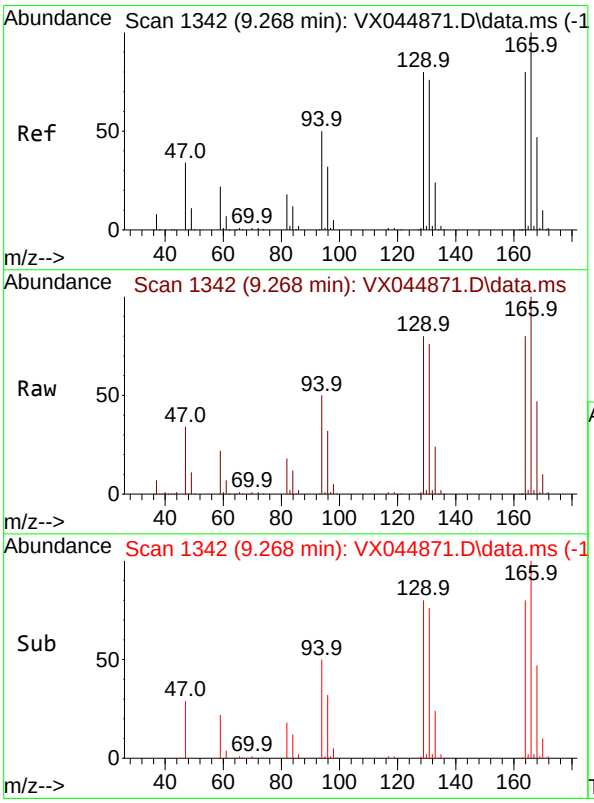
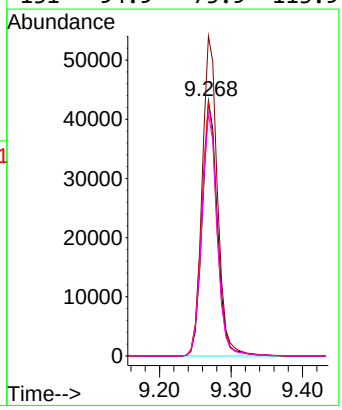


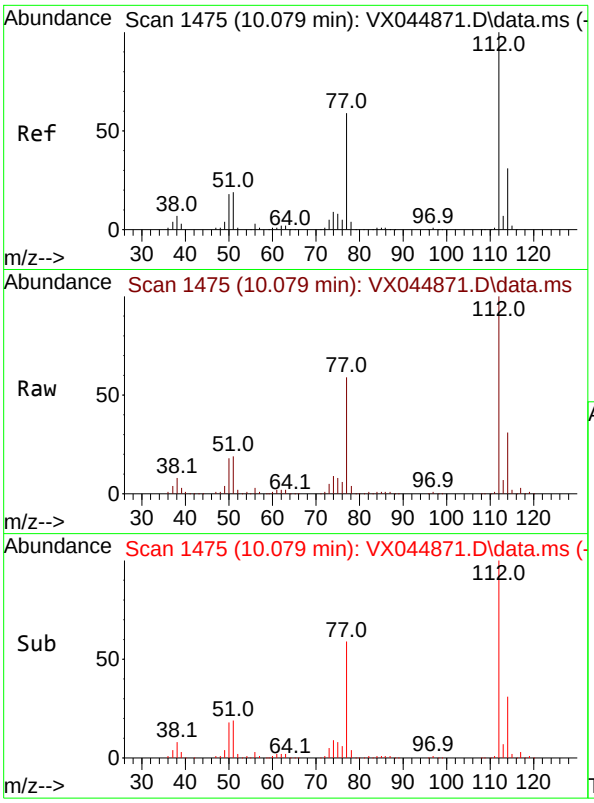


#64
Tetrachloroethene
Concen: 49.206 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:164 Resp: 63537

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	99.9	79.9	119.9
131	94.9	75.9	113.9





#65
Chlorobenzene
Concen: 51.005 ug/l
RT: 10.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:112 Resp: 224300

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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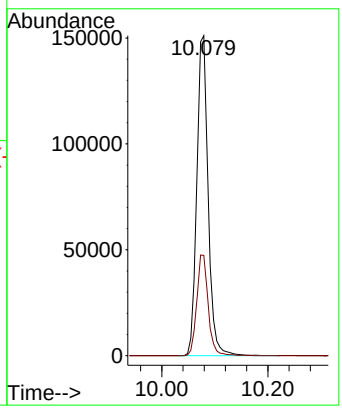
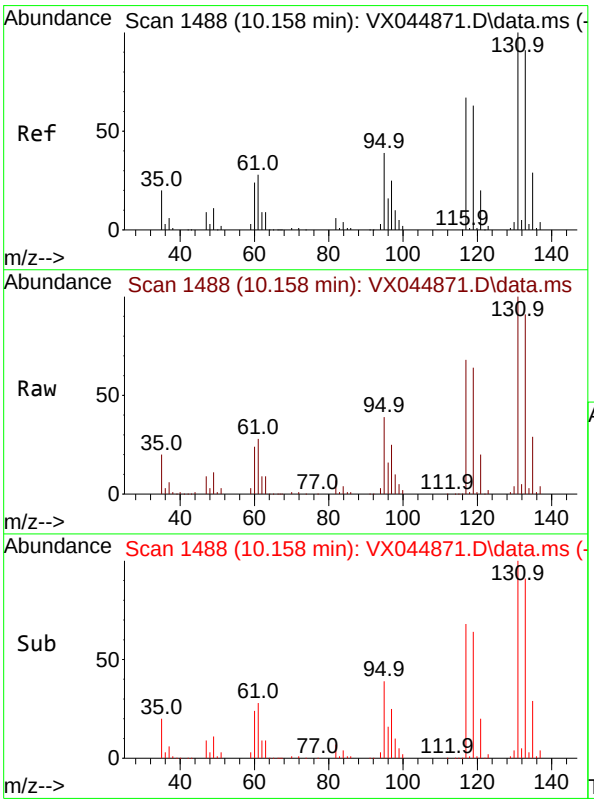
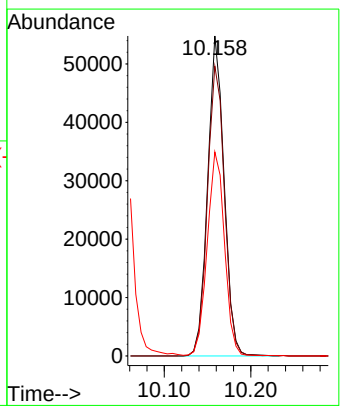


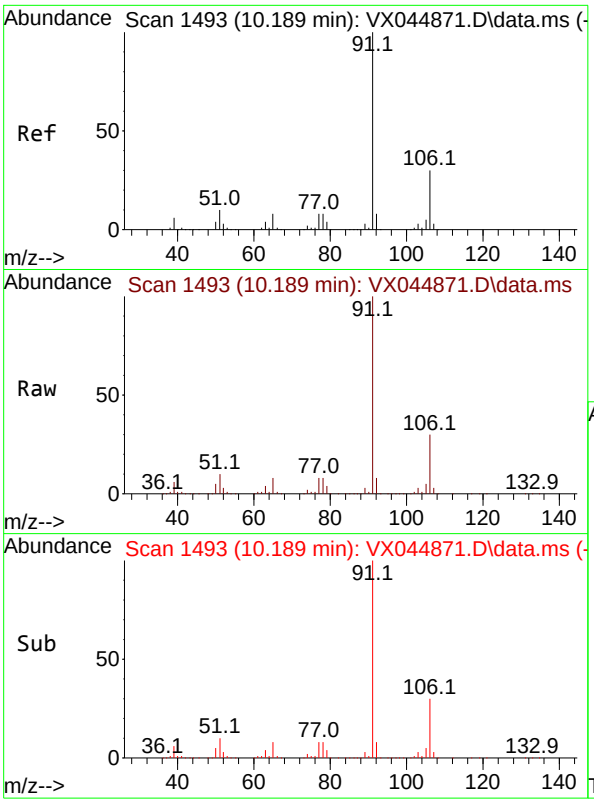


#66
1,1,1,2-Tetrachloroethane
Concen: 51.203 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:131 Resp: 72478

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.1	141.3
119	67.1	33.6	100.6





#67
Ethyl Benzene
Concen: 51.061 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 39626

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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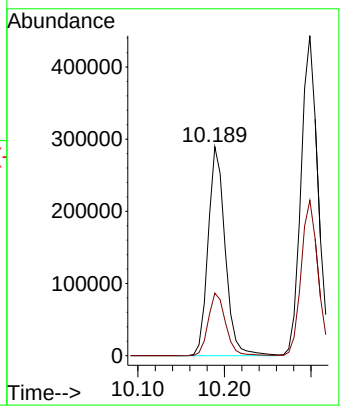
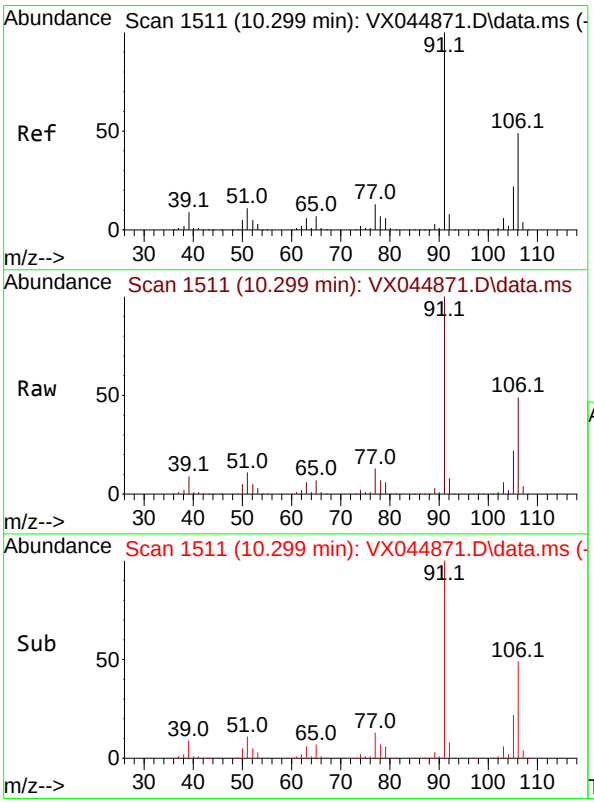
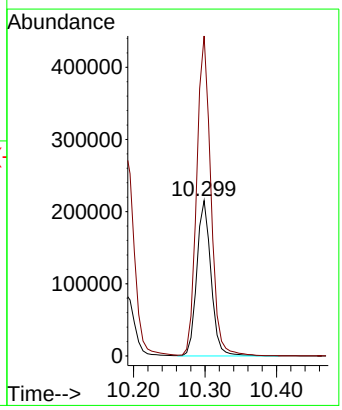


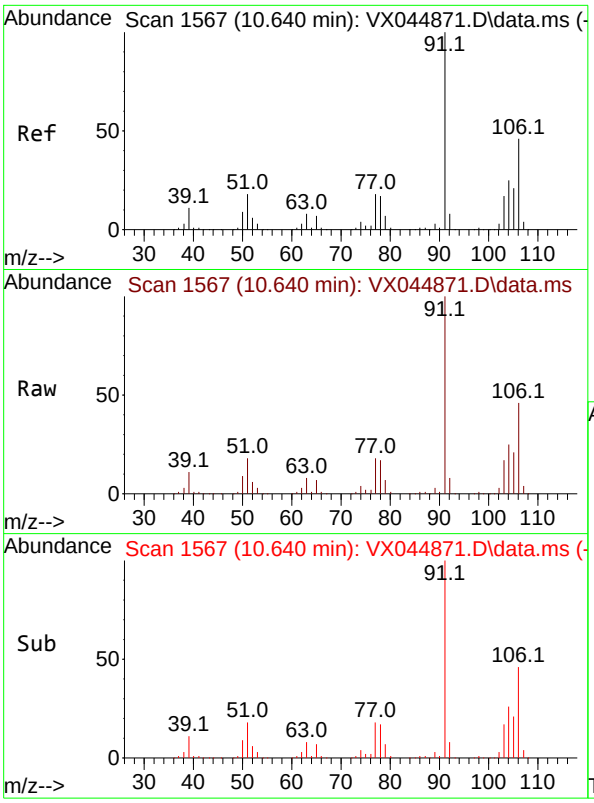


#68
m/p-Xylenes
Concen: 103.573 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:106 Resp: 296507

Ion	Ratio	Lower	Upper
106	100		
91	205.4	164.3	246.5





#69
o-Xylene
Concen: 50.409 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:106 Resp: 14480

Ion	Ratio	Lower	Upper
106	100		
91	217.0	108.5	325.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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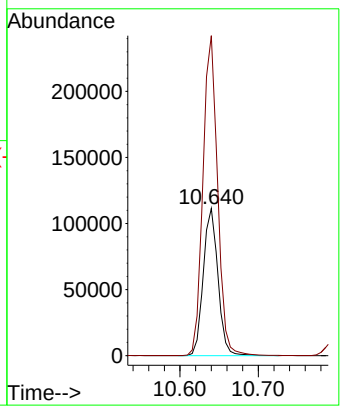
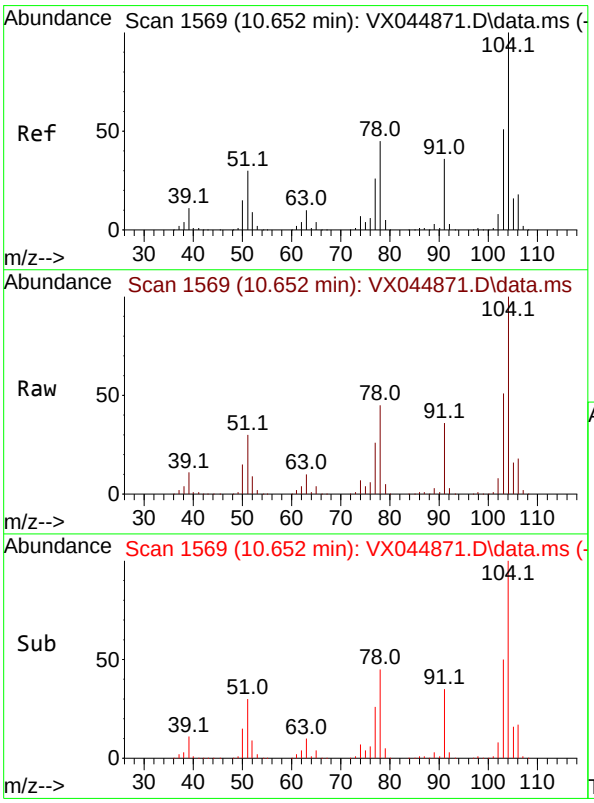
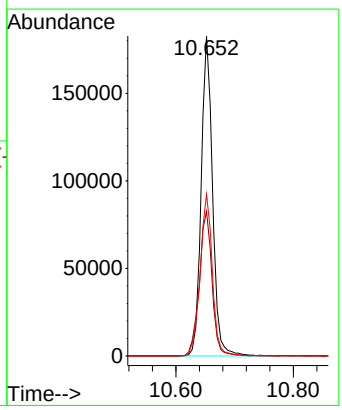


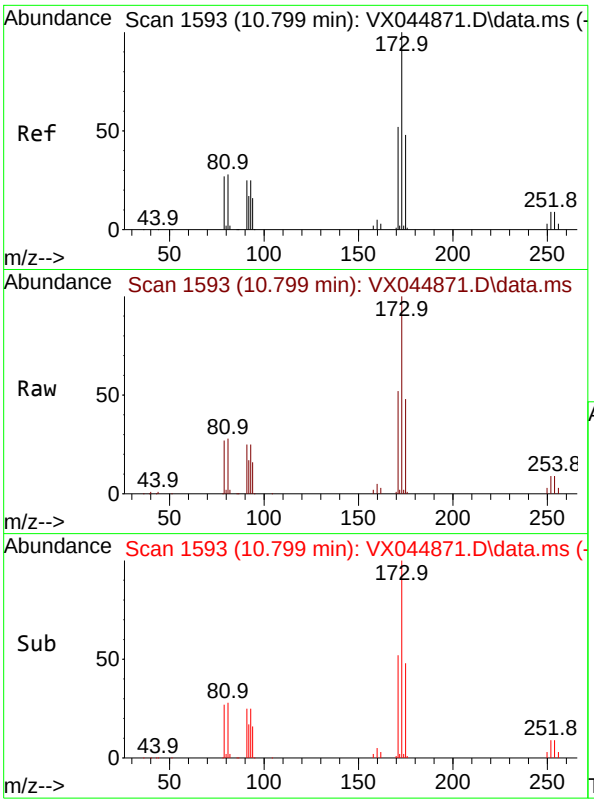


#70
Styrene
Concen: 53.051 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:104 Resp: 245518

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.5	60.7
103	54.5	43.6	65.4





#71
Bromoform
Concen: 54.352 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:173 Resp: 5741

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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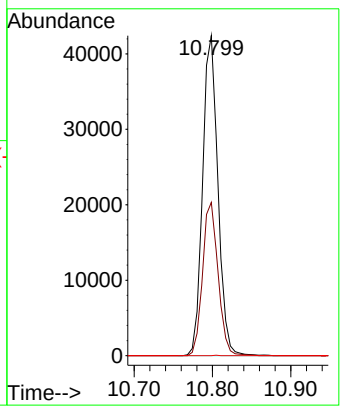
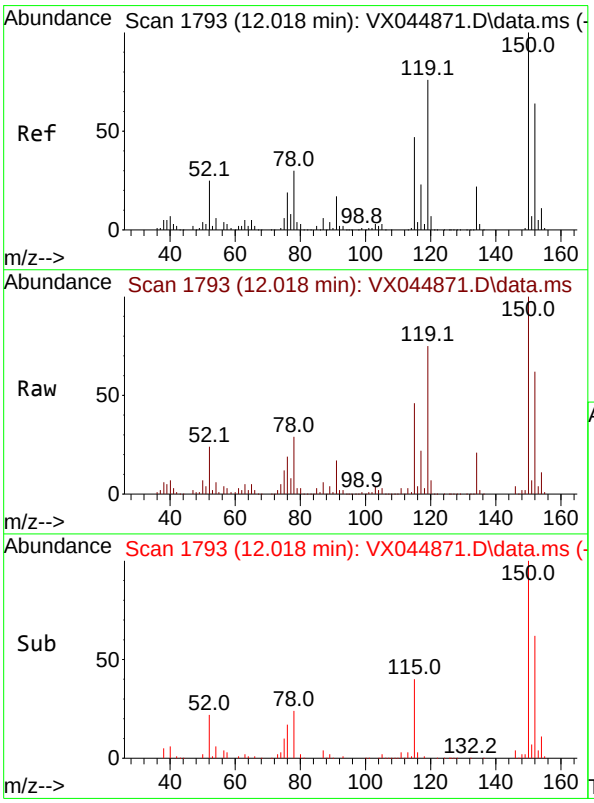
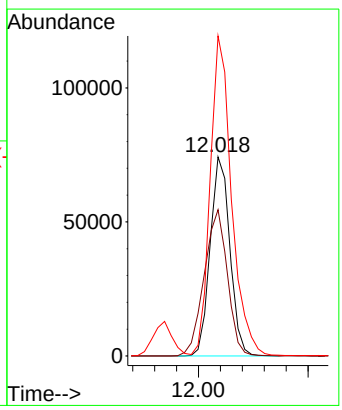


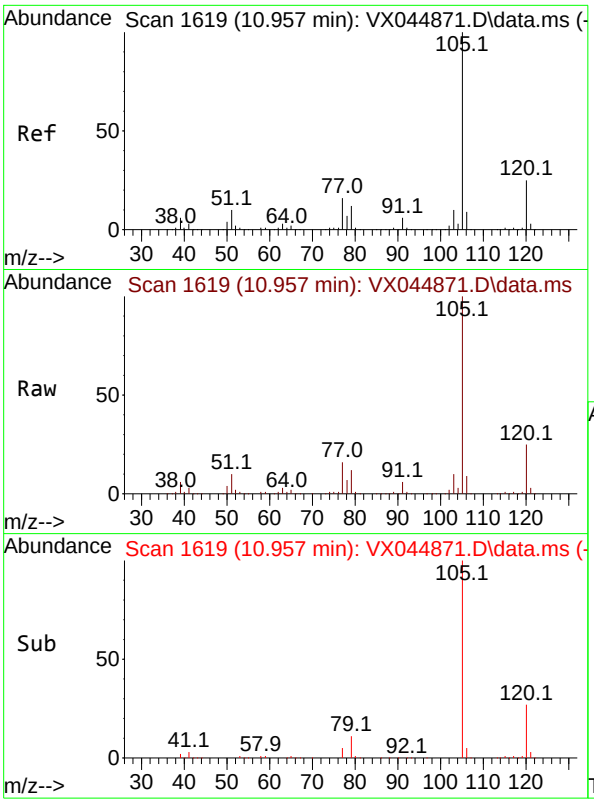


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:152 Resp: 92648

Ion	Ratio	Lower	Upper
152	100		
115	86.7	43.4	130.1
150	175.2	0.0	350.4





#73
Isopropylbenzene
Concen: 50.239 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 37477

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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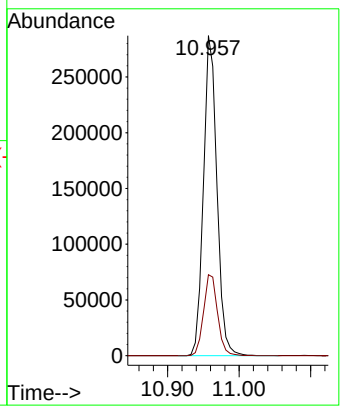
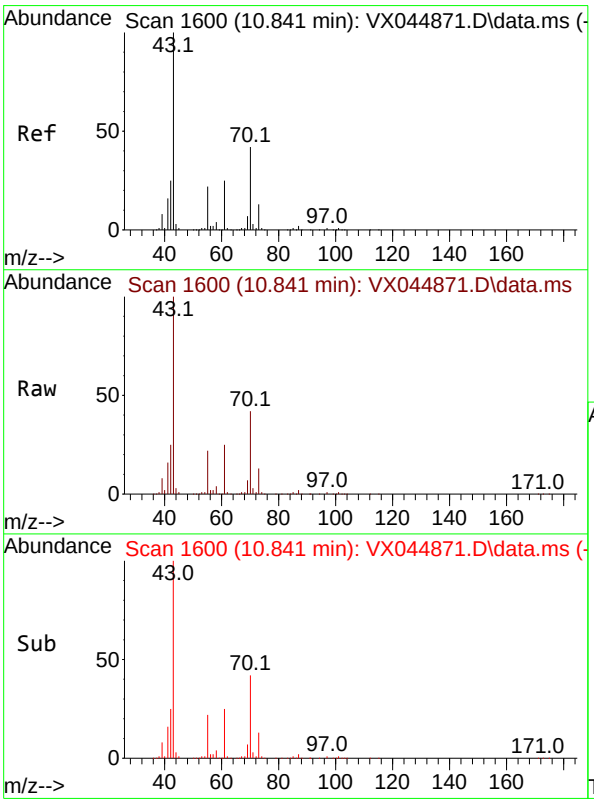
Supervised By :Mahesh Dadoda 02/11/2025

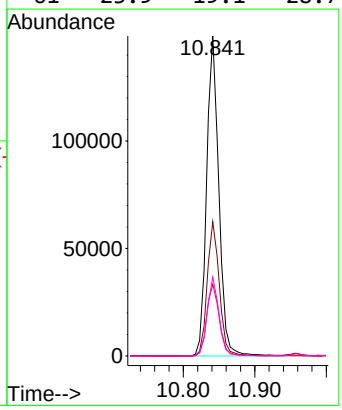


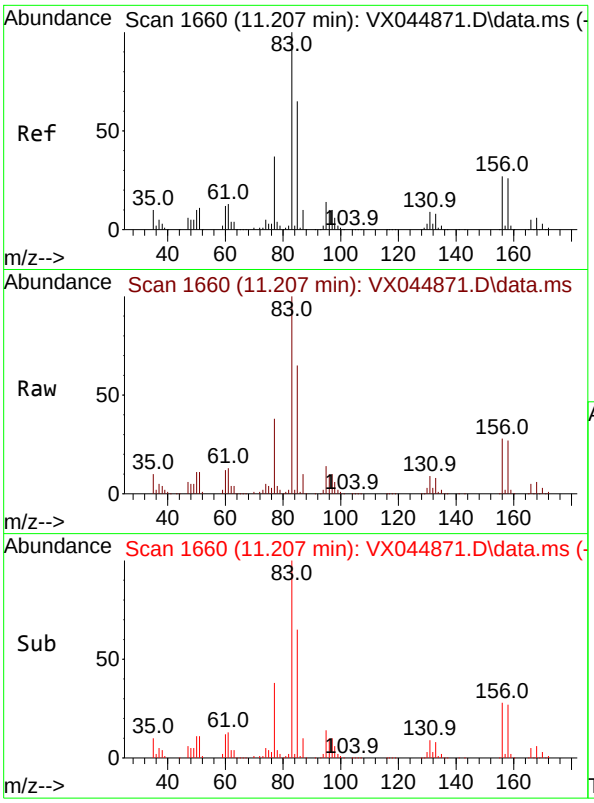


#74
N-amyl acetate
Concen: 52.189 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 176174

Ion	Ratio	Lower	Upper
43	100		
70	42.1	33.7	50.5
55	23.2	18.6	27.8
61	23.9	19.1	28.7





#75
1,1,2,2-Tetrachloroethane
Concen: 49.364 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

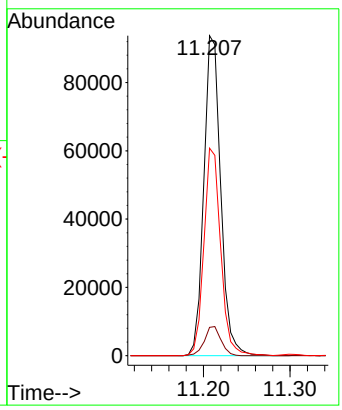
Tgt Ion: 83 Resp: 12654

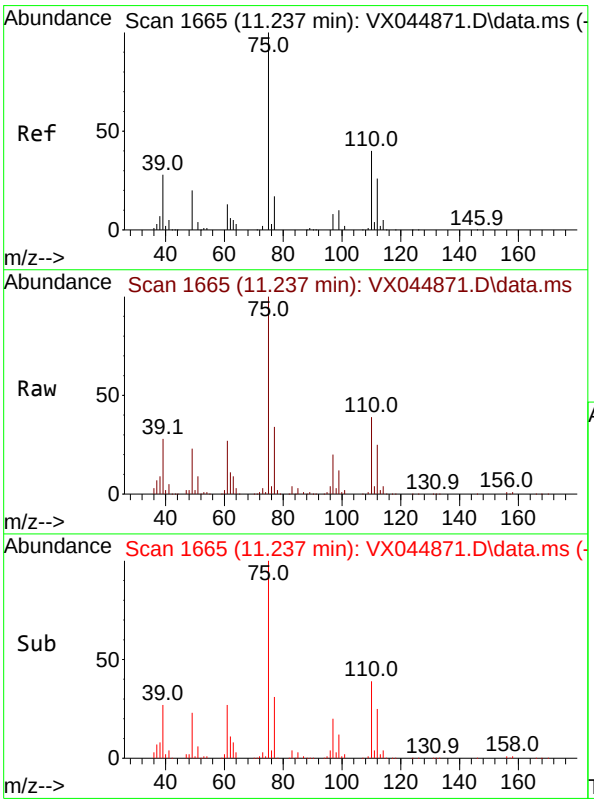
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.5
85	64.5	32.3	96.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

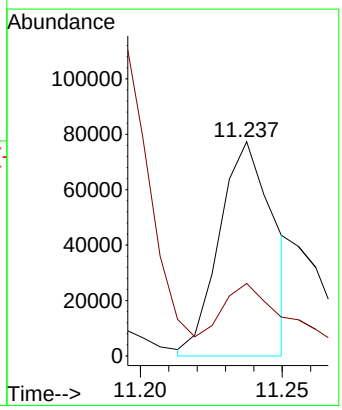


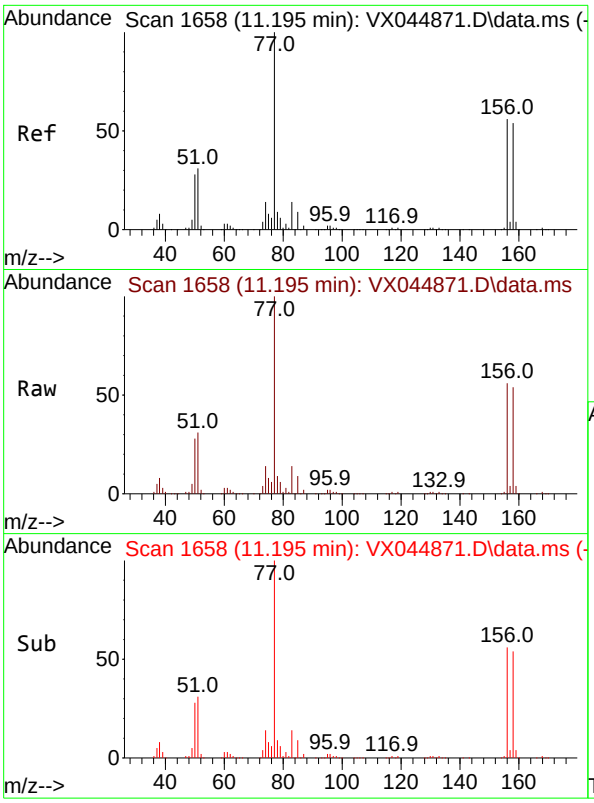


#76
1,2,3-Trichloropropane
Concen: 49.903 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 102508

Ion	Ratio	Lower	Upper
75	100		
77	43.8	21.9	65.7





#77
Bromobenzene
Concen: 49.931 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:156 Resp: 8444

Ion	Ratio	Lower	Upper
156	100		
77	176.9	88.4	265.3
158	96.8	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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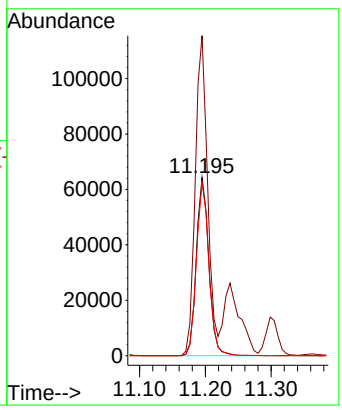
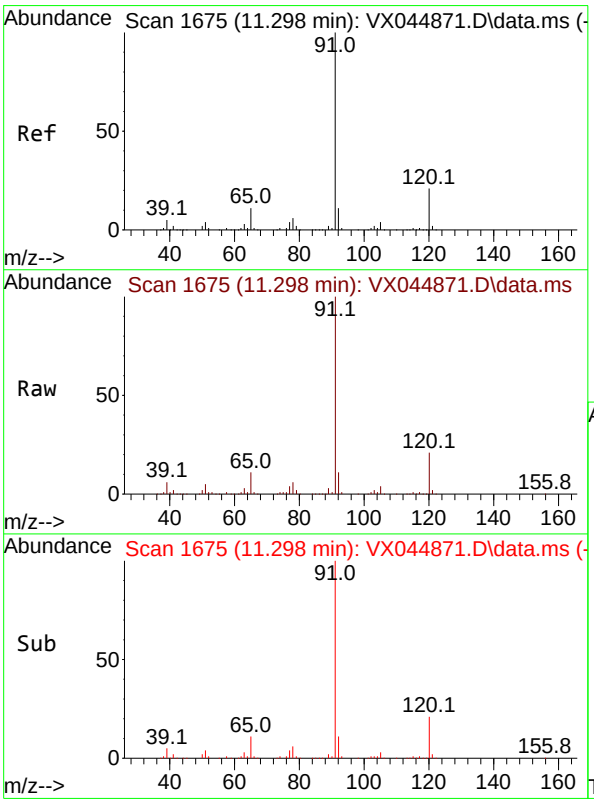
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

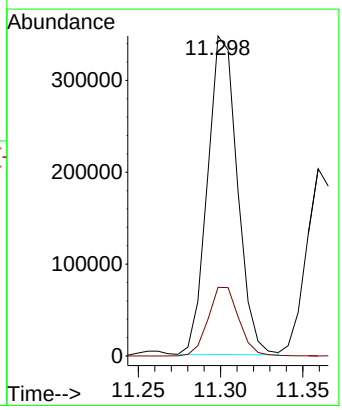


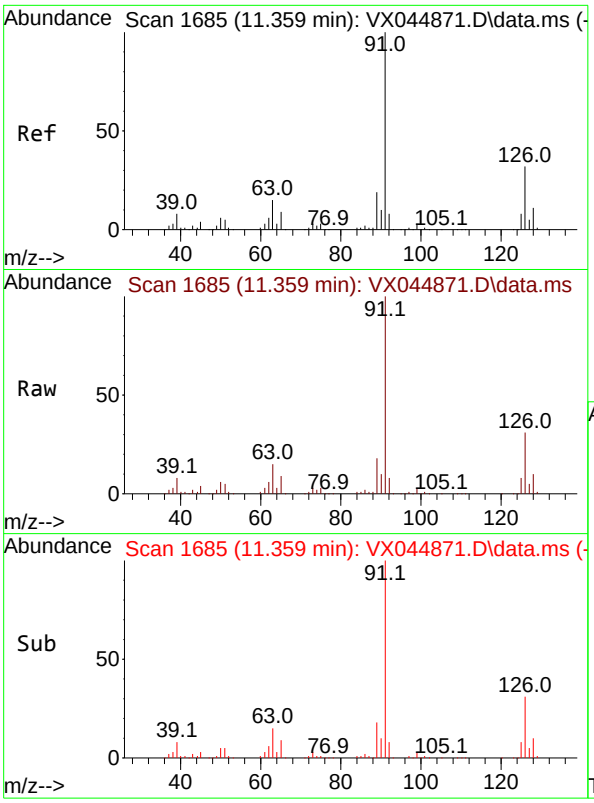


#78
n-propylbenzene
Concen: 50.818 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 437572

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3





#79
2-Chlorotoluene
Concen: 49.749 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 26326

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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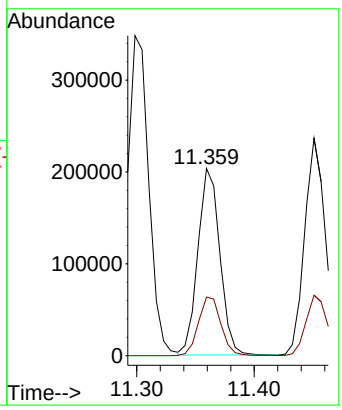
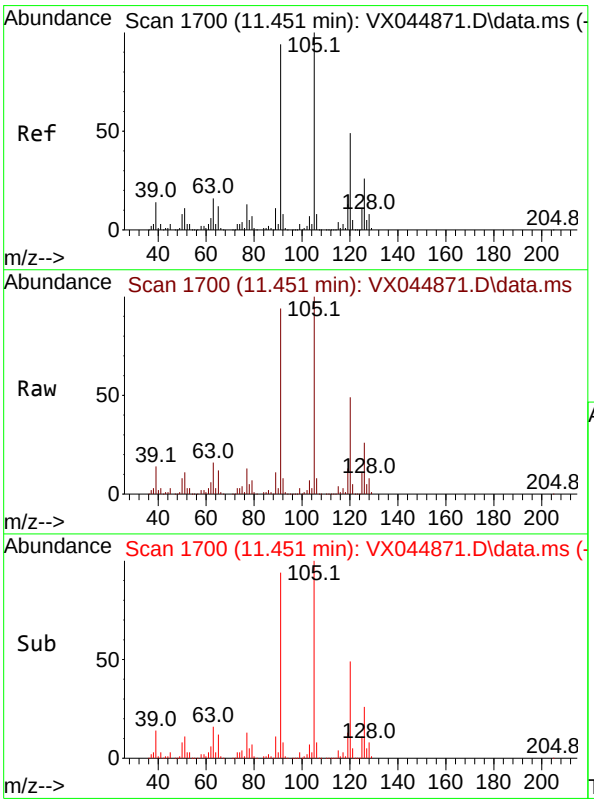
Supervised By :Mahesh Dadoda 02/11/2025

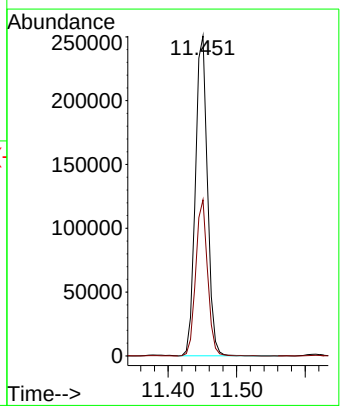


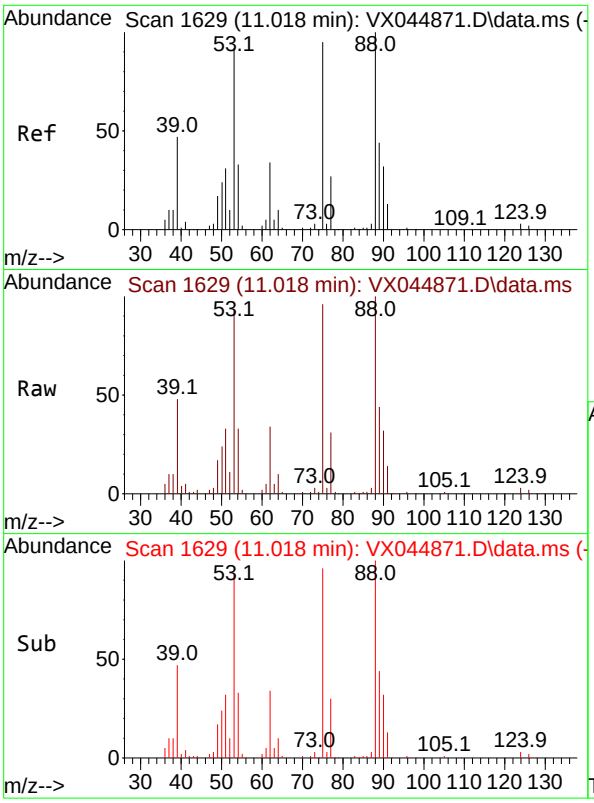


#80
1,3,5-Trimethylbenzene
Concen: 50.789 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 307465

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 50.701 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 4048

Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.0	117.0
89	45.7	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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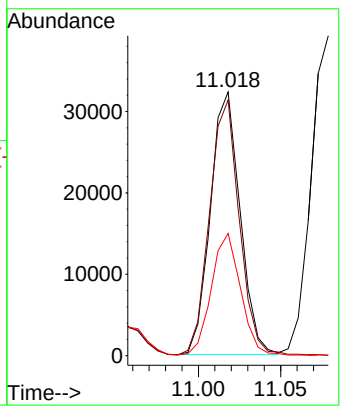
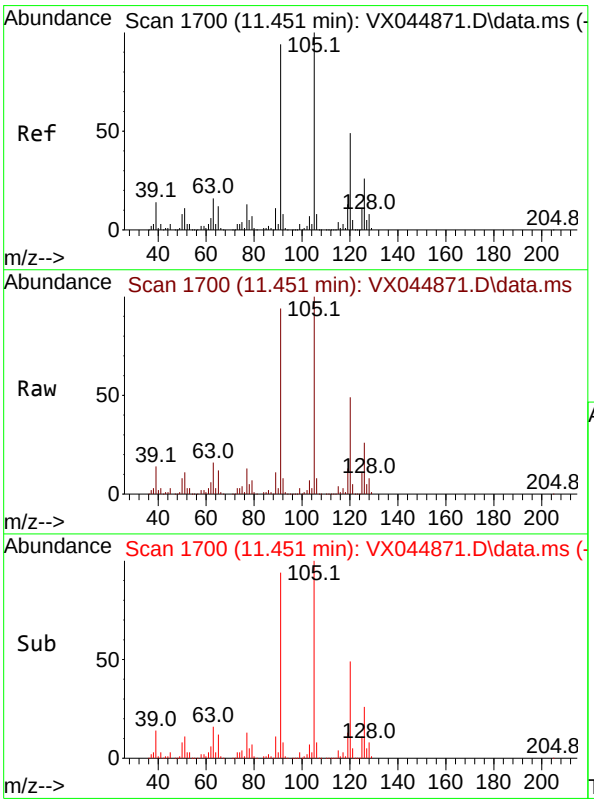
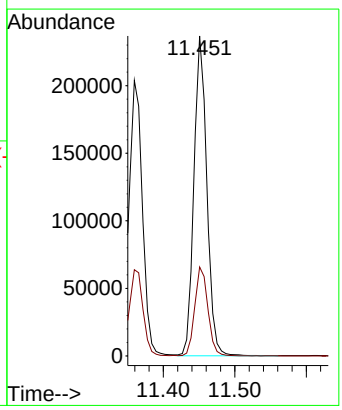


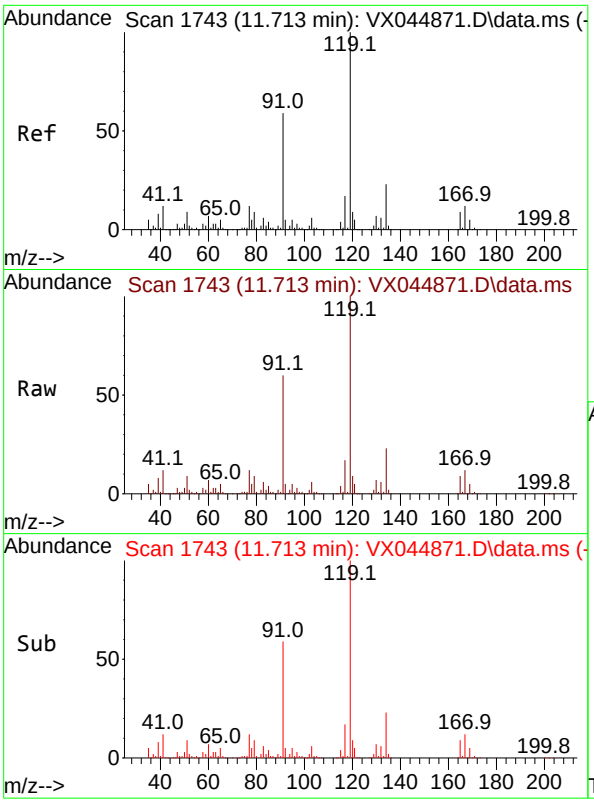


#82
4-Chlorotoluene
Concen: 50.531 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 295844

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6





#83
tert-Butylbenzene
Concen: 50.102 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:119 Resp: 30683

Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.1	87.4
134	23.0	11.5	34.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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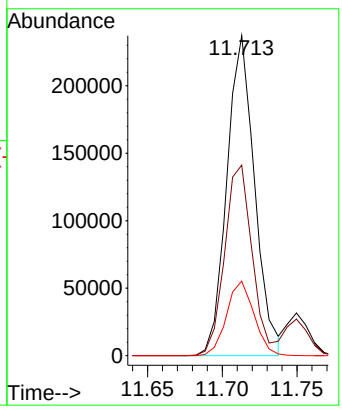
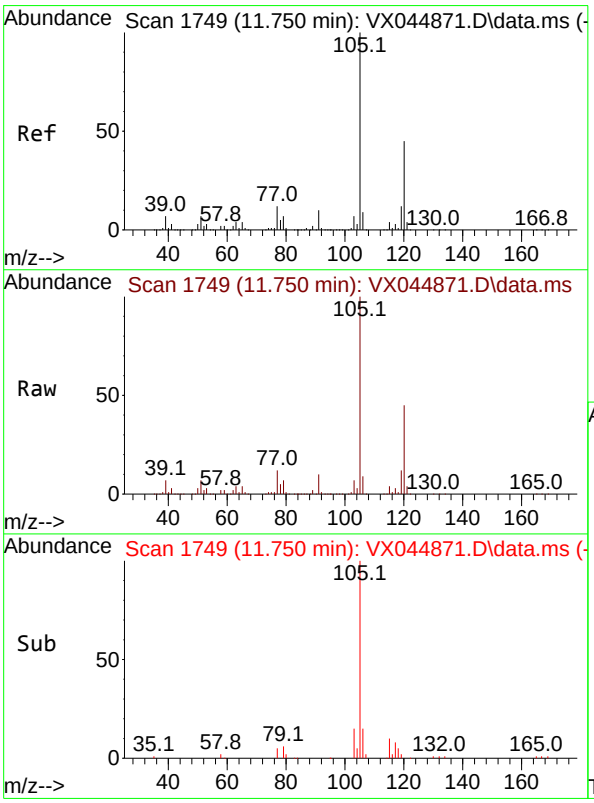
Supervised By :Mahesh Dadoda 02/11/2025

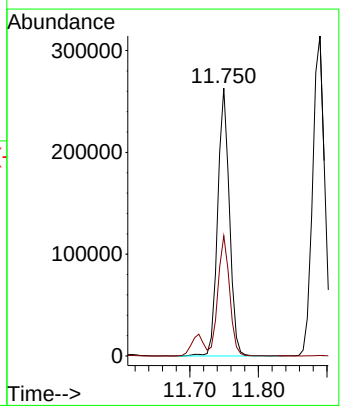


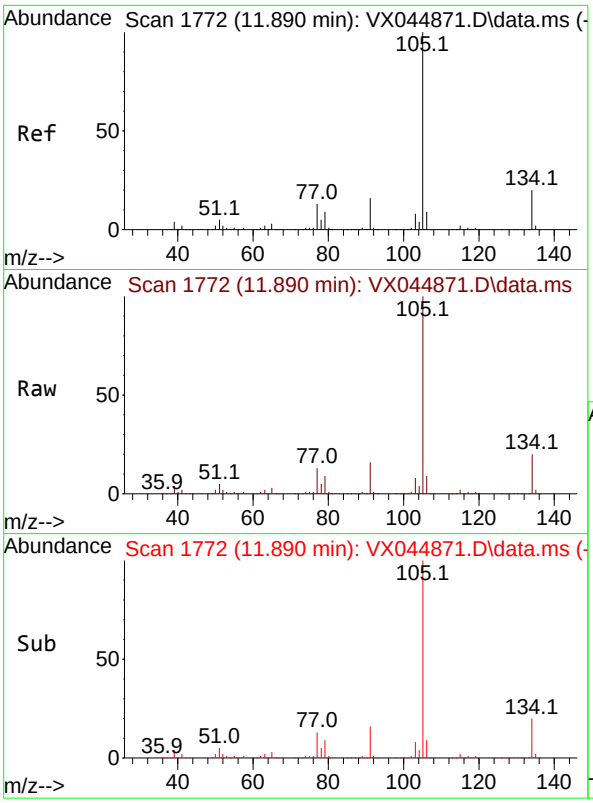


#84
1,2,4-Trimethylbenzene
Concen: 52.085 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 311205

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.0





#85
sec-Butylbenzene
Concen: 50.657 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 38415

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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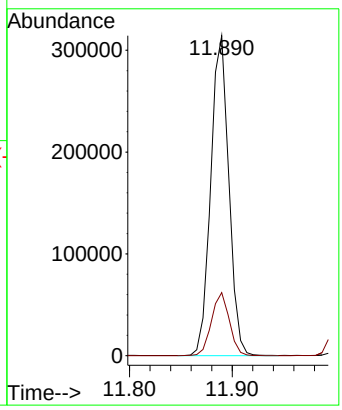
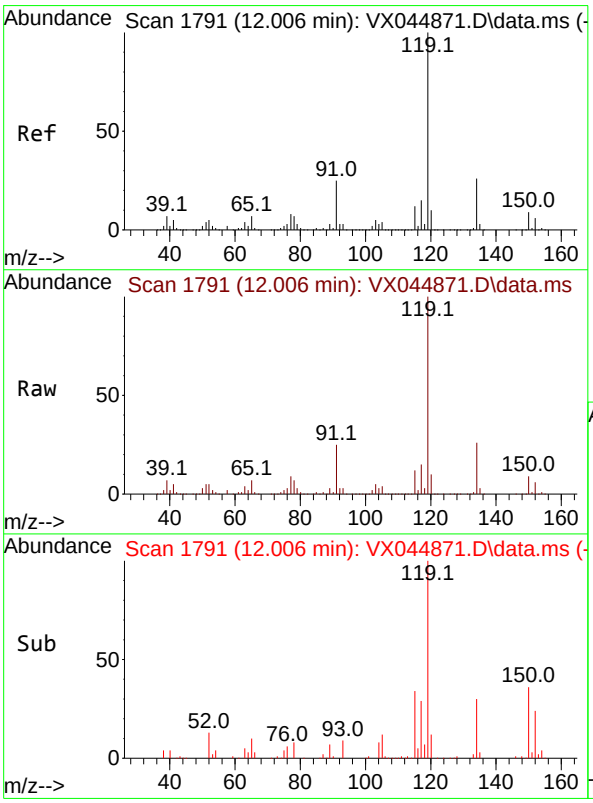
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

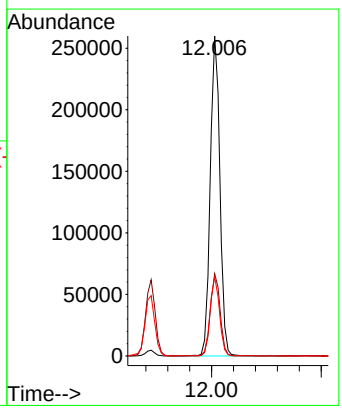


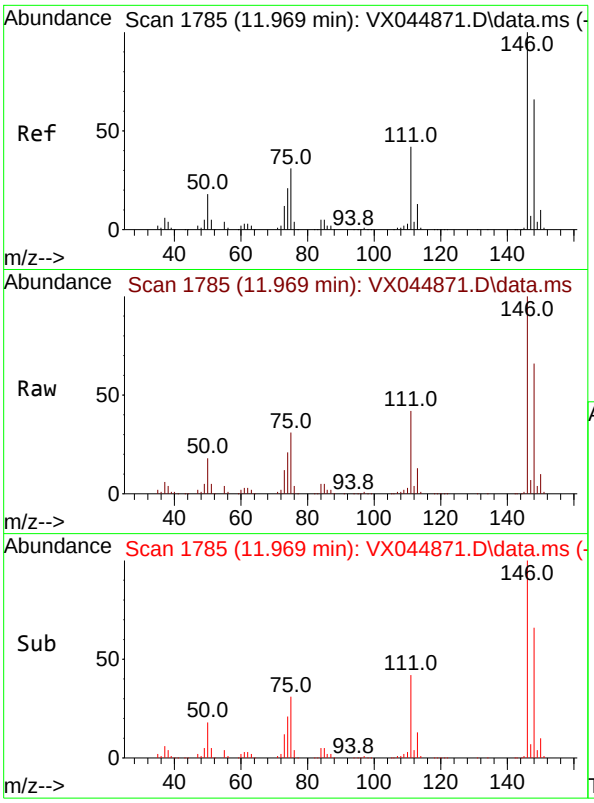


#86
p-Isopropyltoluene
Concen: 51.689 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:119 Resp: 315226

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.2	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 50.021 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 15557

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	65.0	32.5	97.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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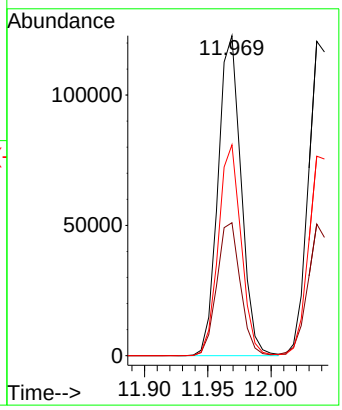
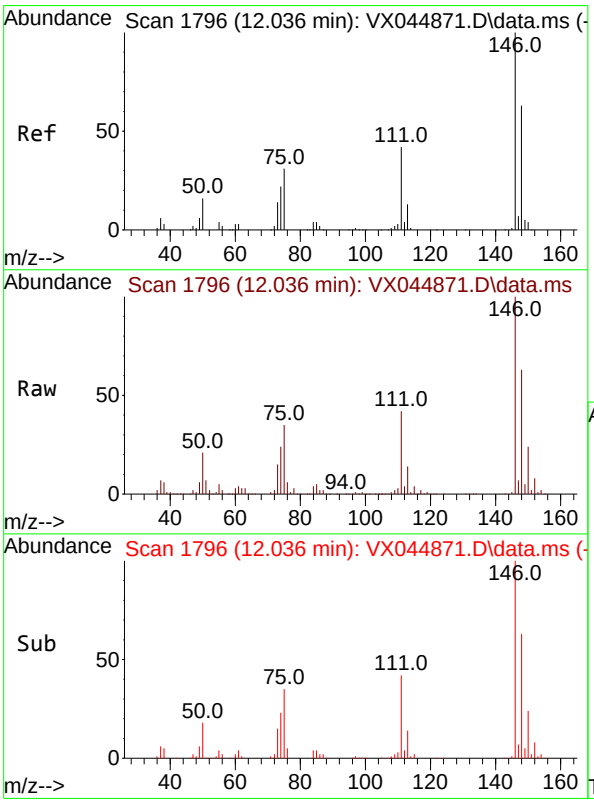
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

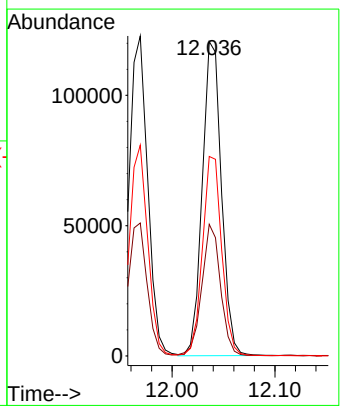


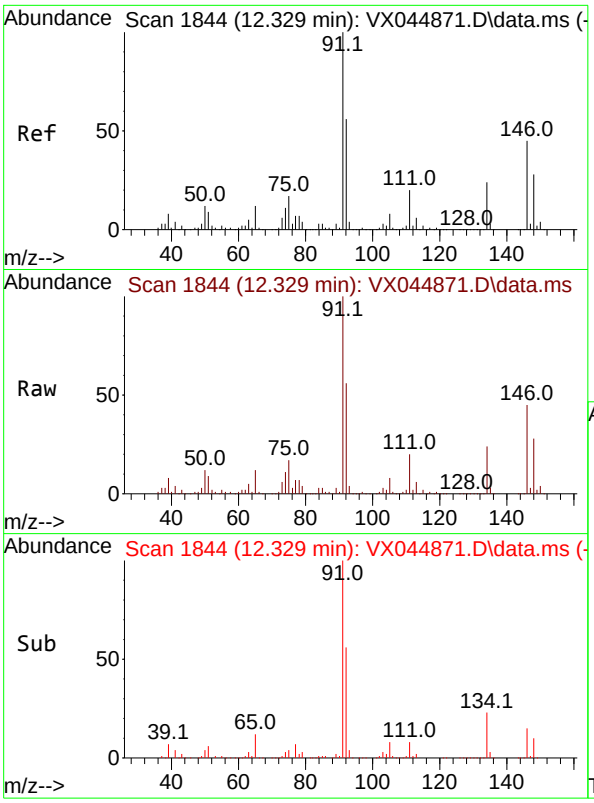


#88
1,4-Dichlorobenzene
Concen: 49.657 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 156162

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	64.0	32.0	96.0





#89
n-Butylbenzene
Concen: 53.315 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 28764

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.6
134	24.2	12.1	36.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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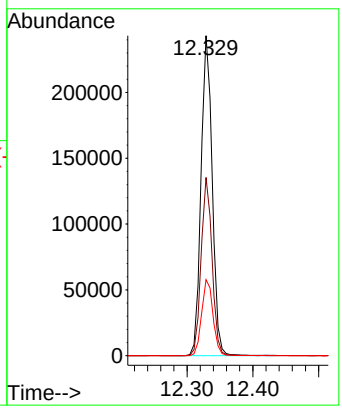
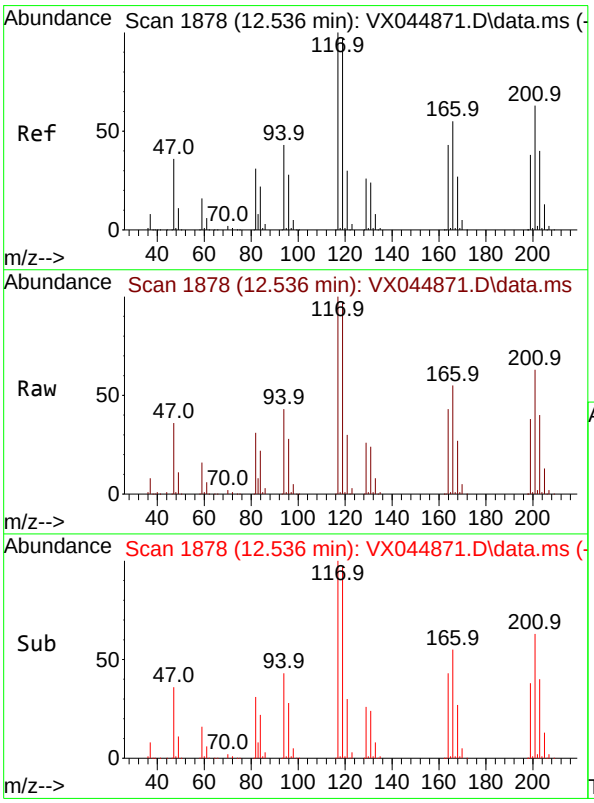
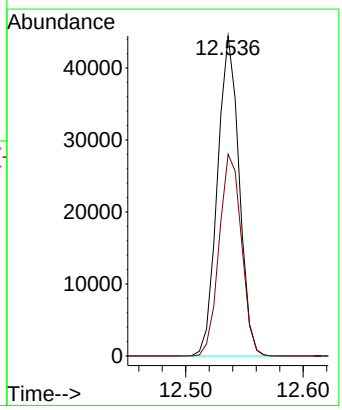


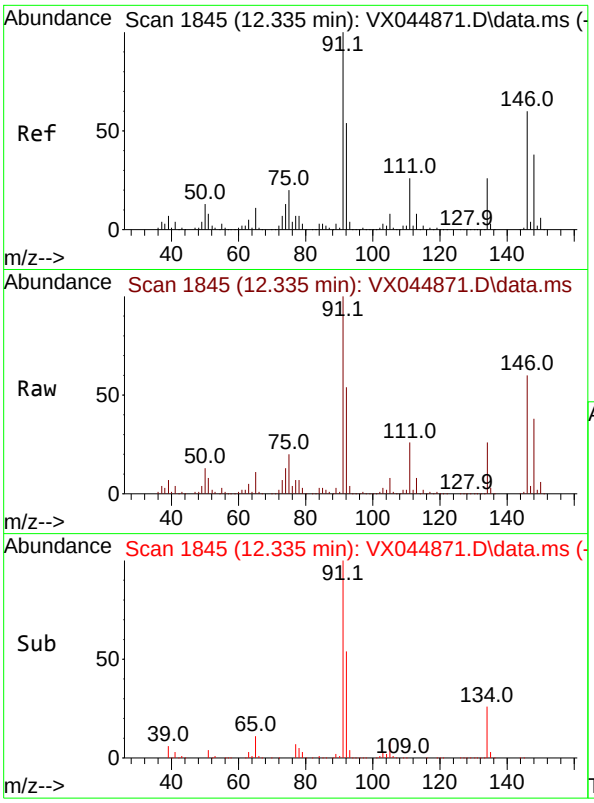


#90
Hexachloroethane
Concen: 49.874 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:117 Resp: 56951

Ion	Ratio	Lower	Upper
117	100		
201	65.0	32.5	97.5





#91
1,2-Dichlorobenzene
Concen: 50.500 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 15436

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	63.9	31.9	95.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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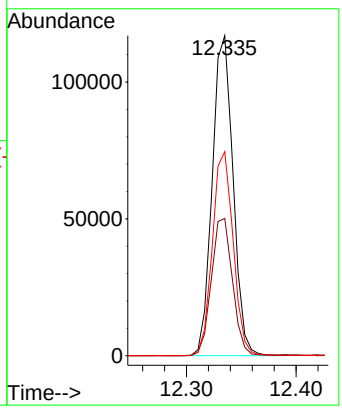
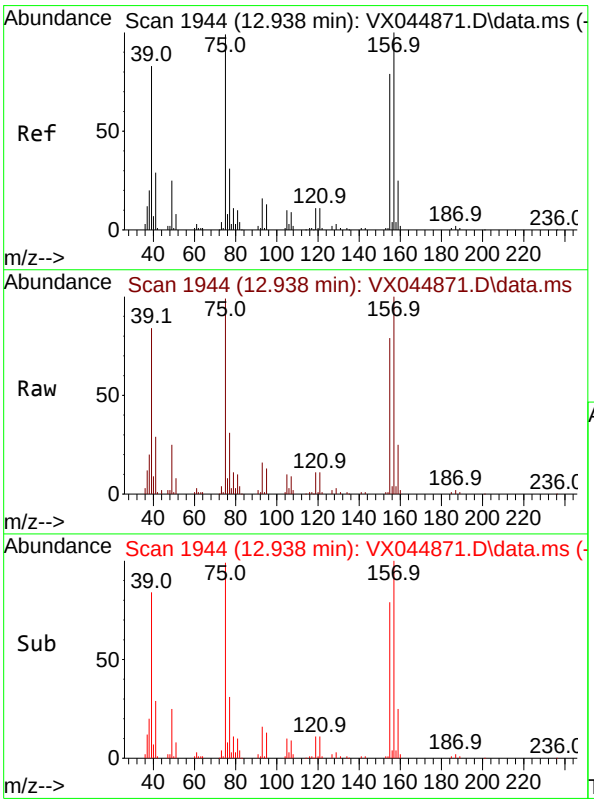
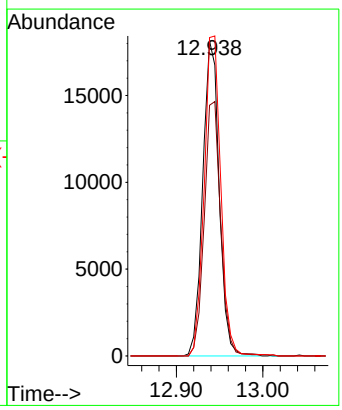


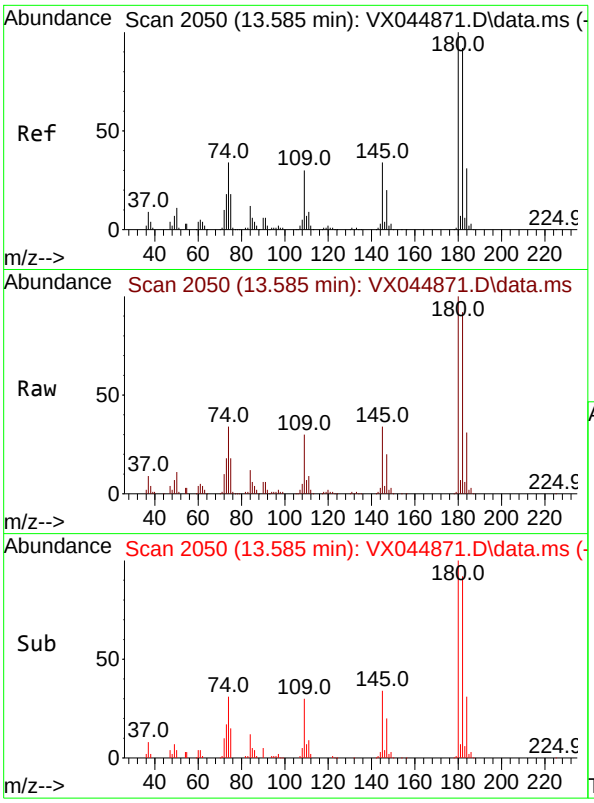


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.135 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 23924

Ion	Ratio	Lower	Upper
75	100		
155	80.9	40.5	121.4
157	102.9	51.4	154.3





#93
1,2,4-Trichlorobenzene
Concen: 50.747 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

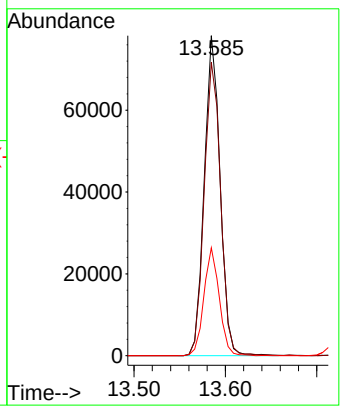
Tgt Ion:180 Resp: 9386

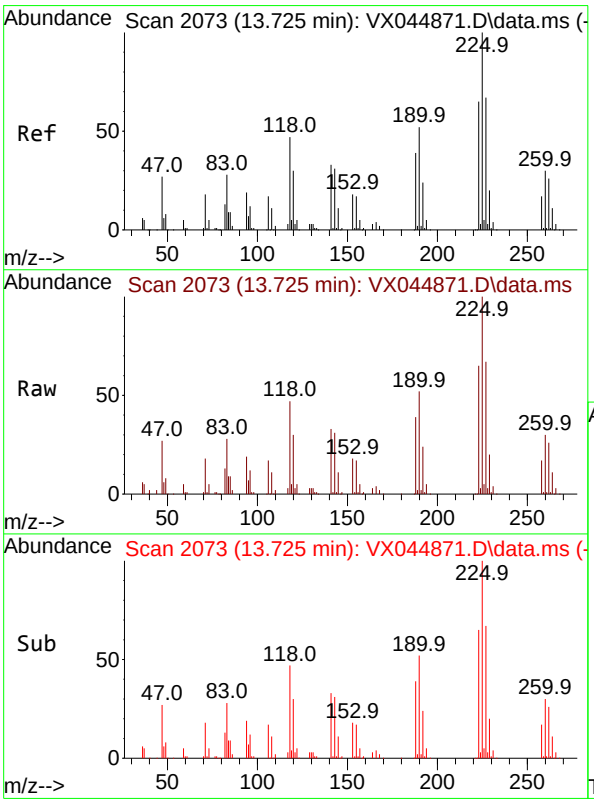
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	32.7	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

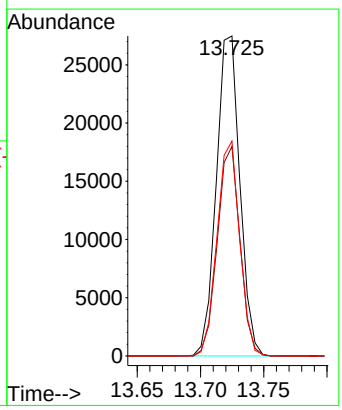


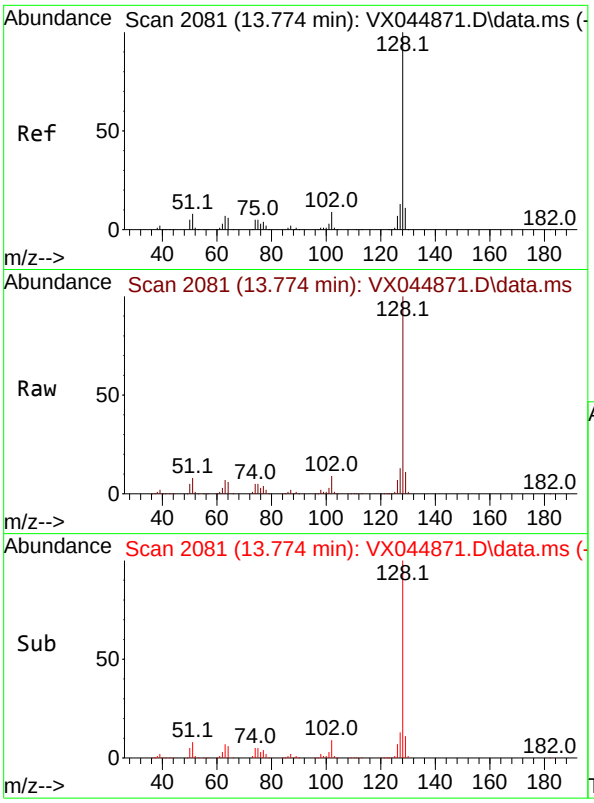


#94
Hexachlorobutadiene
Concen: 48.321 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:225 Resp: 35481

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	64.5	32.3	96.8





#95
Naphthalene
Concen: 51.995 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

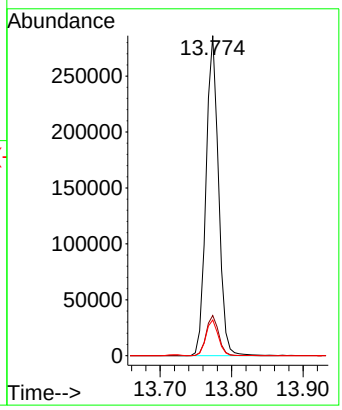
Tgt Ion:128 Resp: 34764

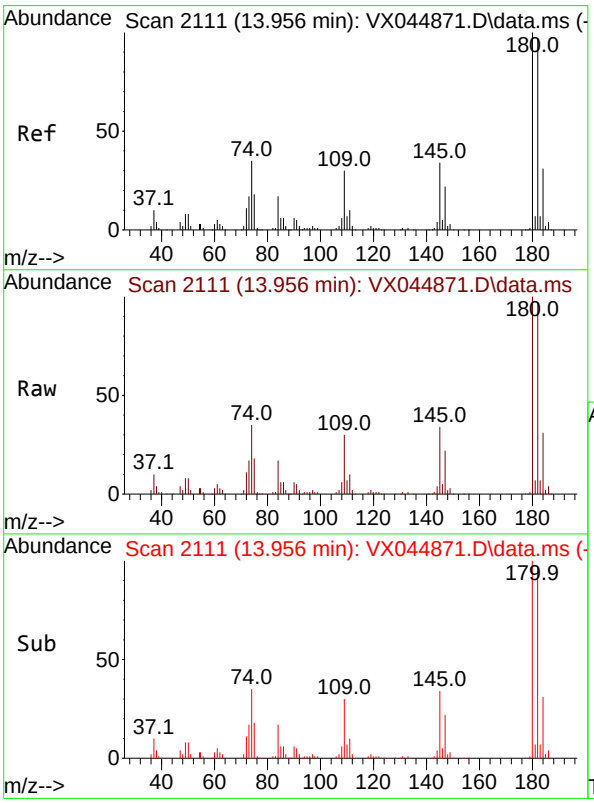
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.1	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

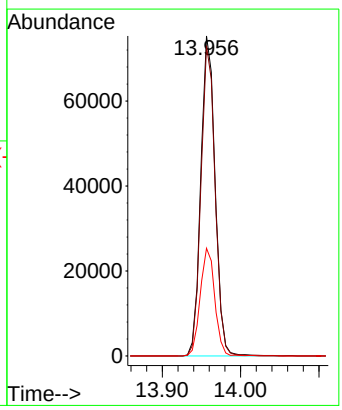




#96
1,2,3-Trichlorobenzene
Concen: 51.245 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:180 Resp: 95510

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	34.2	17.1	51.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	236372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	183093	96.580	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 193.160%#			
35) Dibromofluoromethane	5.373	113	151228	98.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 196.800%#			
50) Toluene-d8	8.647	98	570976	98.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 196.500%#			
62) 4-Bromofluorobenzene	11.079	95	196066	100.079	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.160%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	182788	100.632	ug/l	99
3) Chloromethane	1.301	50	208416	94.275	ug/l	99
4) Vinyl Chloride	1.374	62	209017	97.593	ug/l	100
5) Bromomethane	1.593	94	62797	97.984	ug/l	97
6) Chloroethane	1.660	64	64581	100.253	ug/l	98
7) Trichlorofluoromethane	1.868	101	262354	96.865	ug/l	99
8) Diethyl Ether	2.130	74	95914	97.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	163414	99.860	ug/l	100
10) Methyl Iodide	2.441	142	212118	100.016	ug/l	99
11) Tert butyl alcohol	3.002	59	165263	469.903	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	163593	98.004	ug/l	98
13) Acrolein	2.233	56	180570	497.628	ug/l	99
14) Allyl chloride	2.654	41	297526	98.624	ug/l	98
15) Acrylonitrile	3.063	53	466855	497.173	ug/l	99
16) Acetone	2.386	43	369720	485.125	ug/l	99
17) Carbon Disulfide	2.502	76	463308	101.216	ug/l	99
18) Methyl Acetate	2.703	43	238689	99.249	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	521003	98.098	ug/l	100
20) Methylene Chloride	2.782	84	180120	96.490	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	164067	99.864	ug/l	95
22) Diisopropyl ether	3.758	45	565927	99.157	ug/l	95
23) Vinyl Acetate	3.715	43	2387200	513.051	ug/l	100
24) 1,1-Dichloroethane	3.599	63	313164	98.064	ug/l	99
25) 2-Butanone	4.550	43	617283	498.801	ug/l	98
26) 2,2-Dichloropropane	4.465	77	248324	98.053	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	196381	99.513	ug/l	99
28) Bromochloromethane	4.885	49	148137	96.524	ug/l	100
29) Tetrahydrofuran	4.995	42	405208	493.104	ug/l	100
30) Chloroform	5.087	83	298690	96.445	ug/l	99
31) Cyclohexane	5.458	56	286830	97.426	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	254941	97.050	ug/l	100
36) 1,1-Dichloropropene	5.684	75	216005	97.422	ug/l	100
37) Ethyl Acetate	4.709	43	244164	99.005	ug/l	99
38) Carbon Tetrachloride	5.666	117	210381	96.828	ug/l	97
39) Methylcyclohexane	7.373	83	299703	104.554	ug/l	98
40) Benzene	6.025	78	675556	97.576	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.910	41	135629	102.745 ug/l	99
42) 1,2-Dichloroethane	6.080	62	218174	98.875 ug/l	100
43) Isopropyl Acetate	6.336	43	405489	101.818 ug/l	100
44) Trichloroethene	7.117	130	156832	99.103 ug/l	96
45) 1,2-Dichloropropane	7.422	63	170337	98.893 ug/l	97
46) Dibromomethane	7.574	93	119149	99.747 ug/l	100
47) Bromodichloromethane	7.818	83	236506	102.254 ug/l	97
48) Methyl methacrylate	7.690	41	195892	104.321 ug/l	100
49) 1,4-Dioxane	7.659	88	77816	1931.508 ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1196887	494.353 ug/l	100
52) Toluene	8.714	92	409318	99.270 ug/l	99
53) t-1,3-Dichloropropene	8.970	75	249725	106.694 ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	277371	106.287 ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	156629	98.817 ug/l	100
56) Ethyl methacrylate	9.116	69	268693	104.958 ug/l	99
57) 1,3-Dichloropropane	9.305	76	273845	98.742 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	664198	528.405 ug/l	100
59) 2-Hexanone	9.427	43	871904	499.819 ug/l	99
60) Dibromochloromethane	9.519	129	173848	102.557 ug/l	100
61) 1,2-Dibromoethane	9.604	107	162982	101.451 ug/l	98
64) Tetrachloroethene	9.269	164	125294	97.447 ug/l	100
65) Chlorobenzene	10.073	112	436565	99.694 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	144793	102.728 ug/l	100
67) Ethyl Benzene	10.189	91	784184	101.477 ug/l	100
68) m/p-Xylenes	10.299	106	575559	201.907 ug/l	99
69) o-Xylene	10.640	106	281830	98.530 ug/l	100
70) Styrene	10.653	104	473403	102.728 ug/l	99
71) Bromoform	10.799	173	112371	106.827 ug/l #	99
73) Isopropylbenzene	10.957	105	719923	97.854 ug/l	99
74) N-amyl acetate	10.842	43	345193	103.687 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	238529	94.351 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	198320m	97.896 ug/l	
77) Bromobenzene	11.195	156	163845	98.230 ug/l	100
78) n-propylbenzene	11.299	91	858793	101.132 ug/l	100
79) 2-Chlorotoluene	11.360	91	497149	95.257 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	584885	97.966 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	83483	106.006 ug/l	98
82) 4-Chlorotoluene	11.451	91	569510	98.634 ug/l	100
83) tert-Butylbenzene	11.713	119	591396	97.917 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	588385	99.851 ug/l	99
85) sec-Butylbenzene	11.890	105	749534	100.219 ug/l	99
86) p-Isopropyltoluene	12.006	119	607577	101.019 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	303851	99.061 ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	303417	97.830 ug/l	99
89) n-Butylbenzene	12.329	91	583634	109.686 ug/l	100
90) Hexachloroethane	12.536	117	117533	104.365 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	293151	97.244 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47745	103.477 ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	193214	105.921 ug/l	99
94) Hexachlorobutadiene	13.725	225	74605	103.024 ug/l	99
95) Naphthalene	13.774	128	689104	104.505 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	190534	103.659 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

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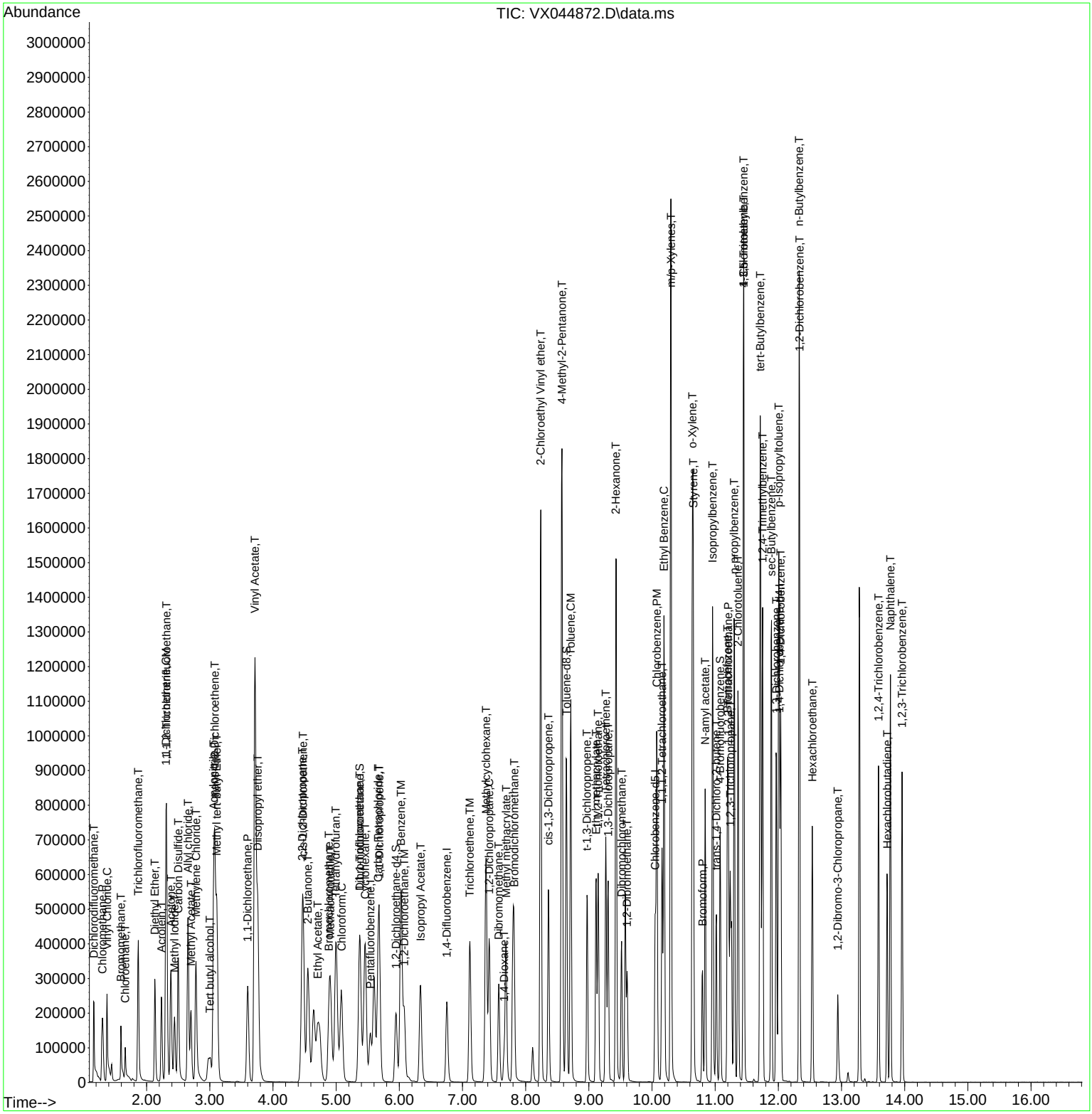
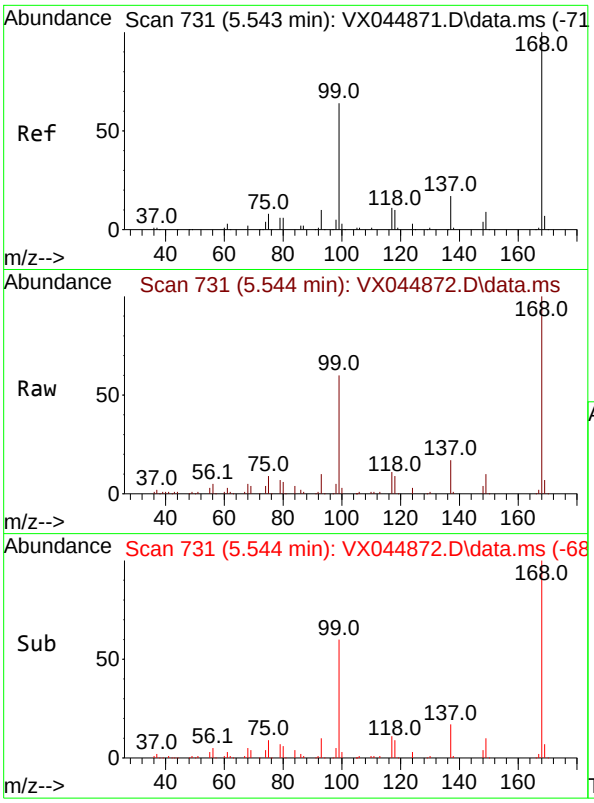
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

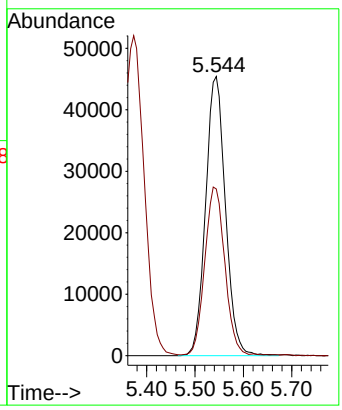
Tgt Ion:168 Resp: 12950

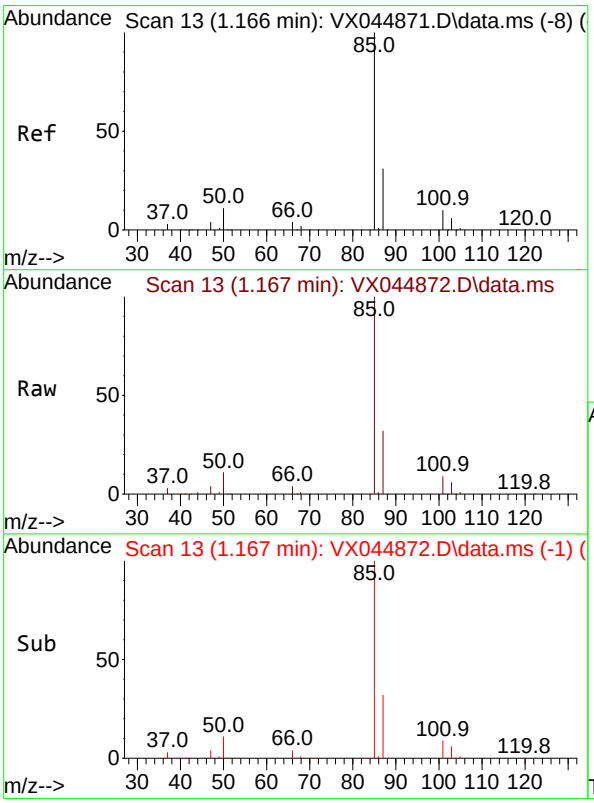
Ion	Ratio	Lower	Upper
168	100		
99	59.4	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

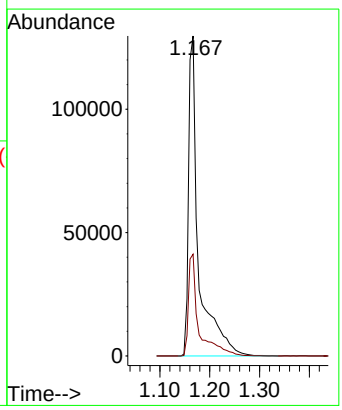


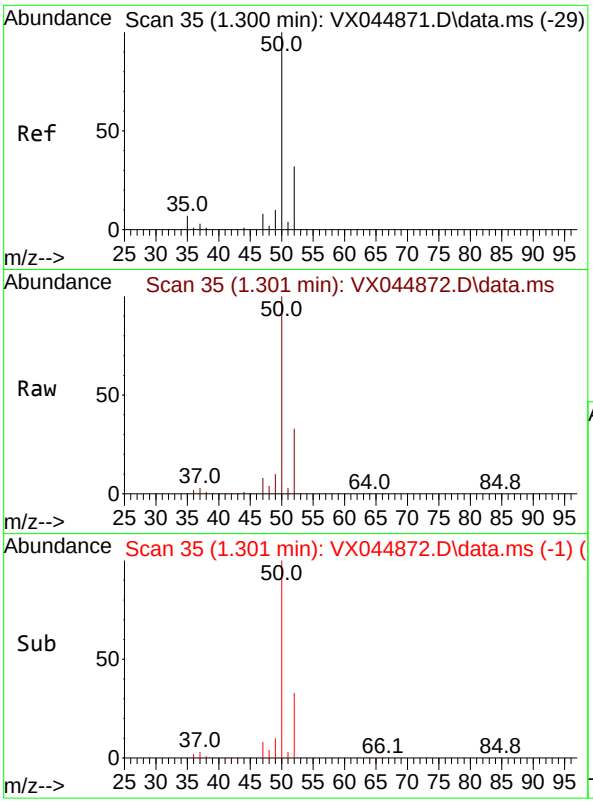


#2
Dichlorodifluoromethane
Concen: 100.632 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 85 Resp: 182788

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3





#3
Chloromethane
Concen: 94.275 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

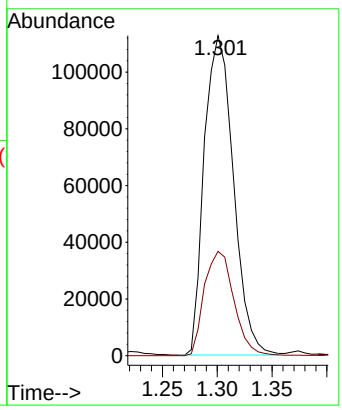
Tgt Ion: 50 Resp: 20841

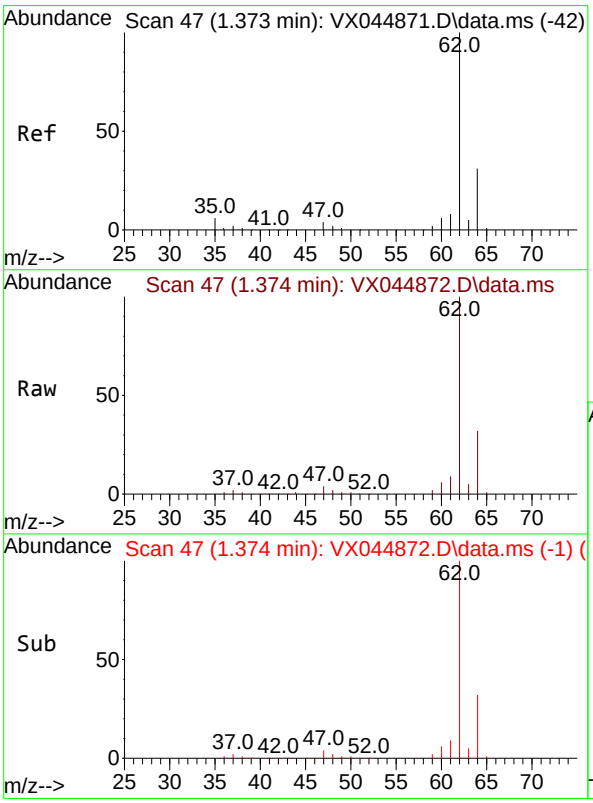
Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

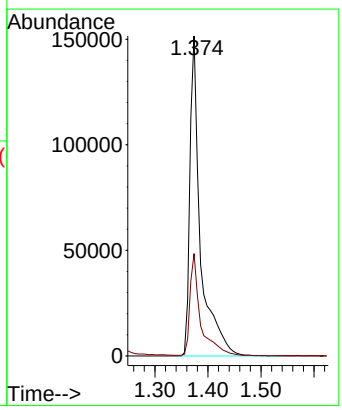


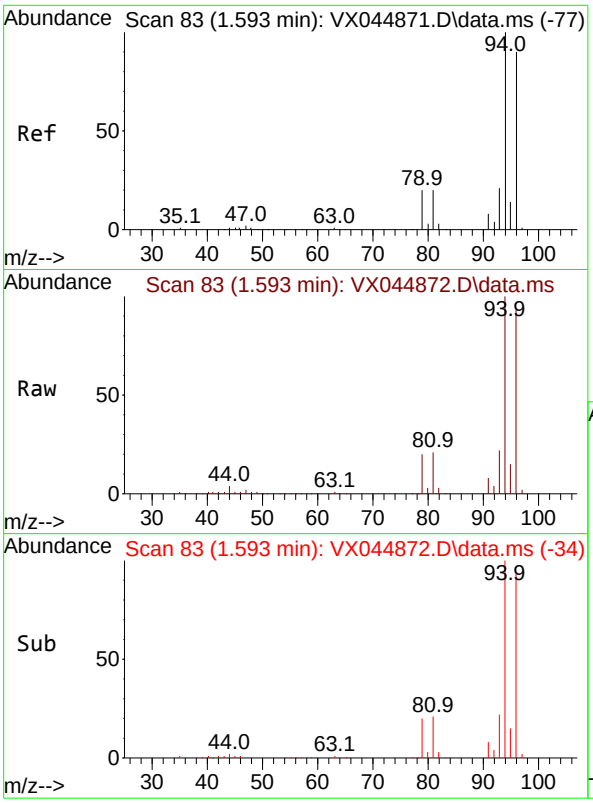


#4
Vinyl Chloride
Concen: 97.593 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 209017

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.4	38.0





#5
Bromomethane
Concen: 97.984 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

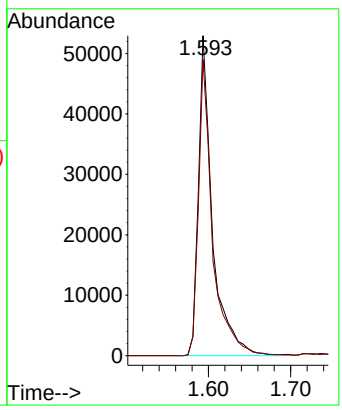
Tgt Ion: 94 Resp: 6279

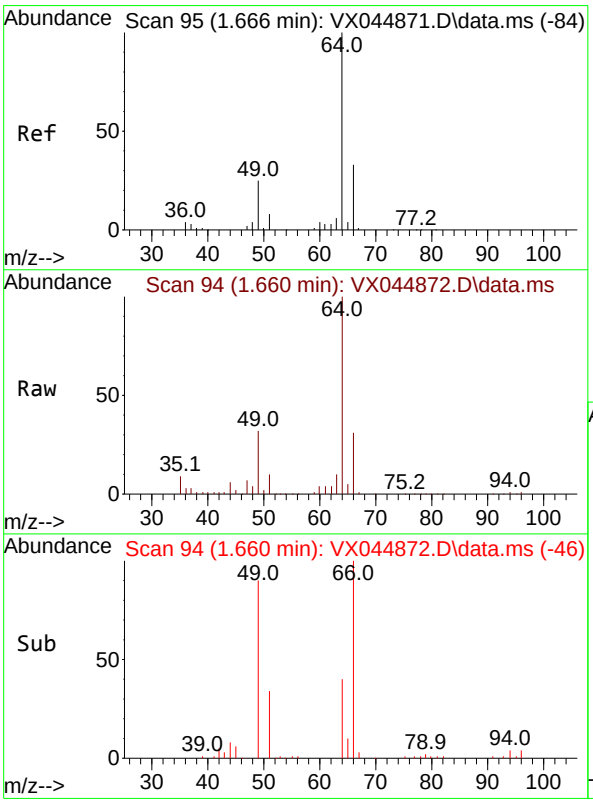
Ion	Ratio	Lower	Upper
94	100		
96	92.6	71.6	107.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

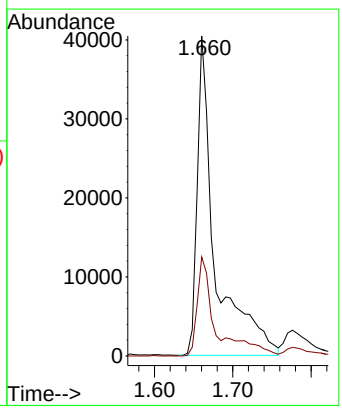


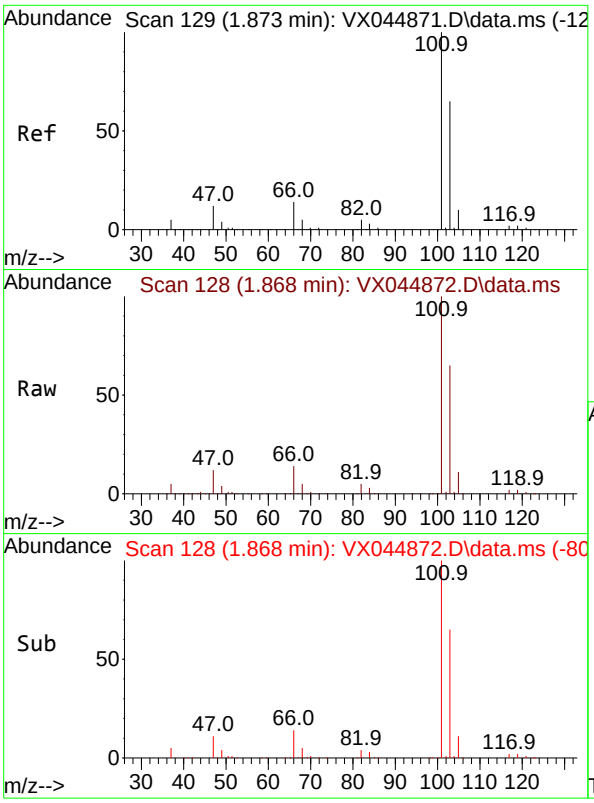


#6
Chloroethane
Concen: 100.253 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 64 Resp: 64581

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.9	38.9





#7
Trichlorofluoromethane
Concen: 96.865 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

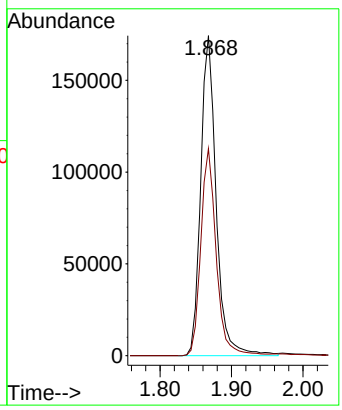
Tgt Ion:101 Resp: 26235

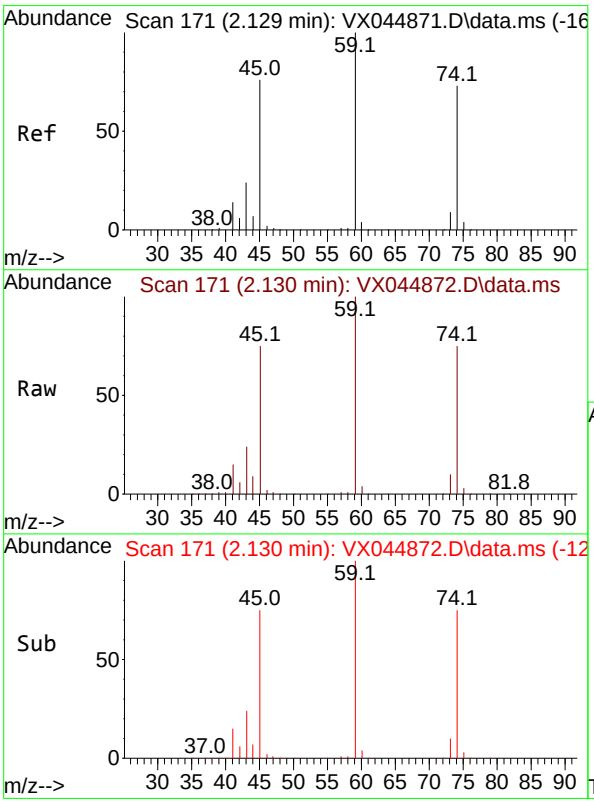
Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.4	78.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

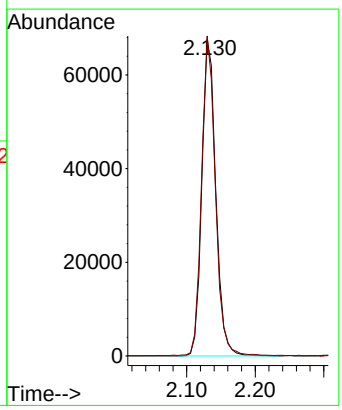


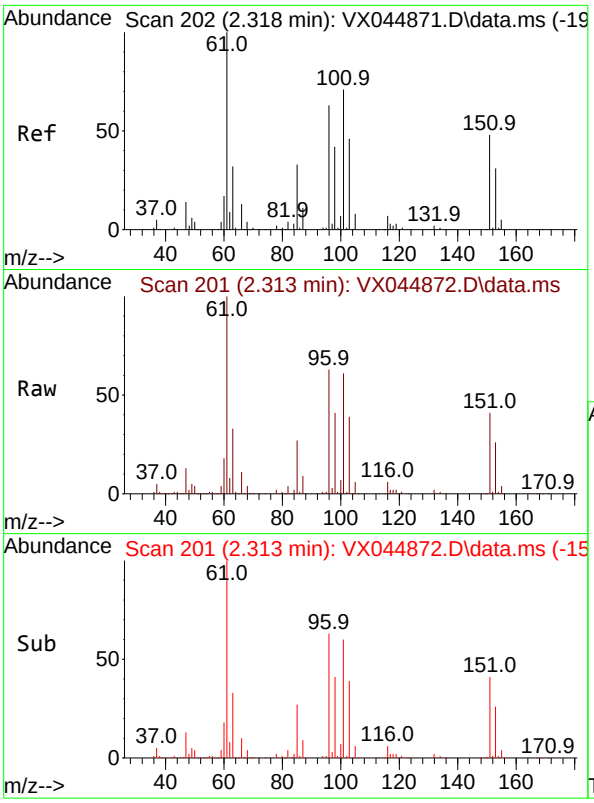


#8
Diethyl Ether
Concen: 97.647 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 74 Resp: 95914

Ion	Ratio	Lower	Upper
74	100		
45	99.5	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.860 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 16341

Ion	Ratio	Lower	Upper
101	100		
85	44.3	35.7	53.5
151	69.8	56.0	84.0

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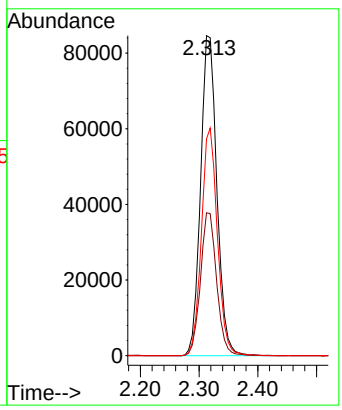
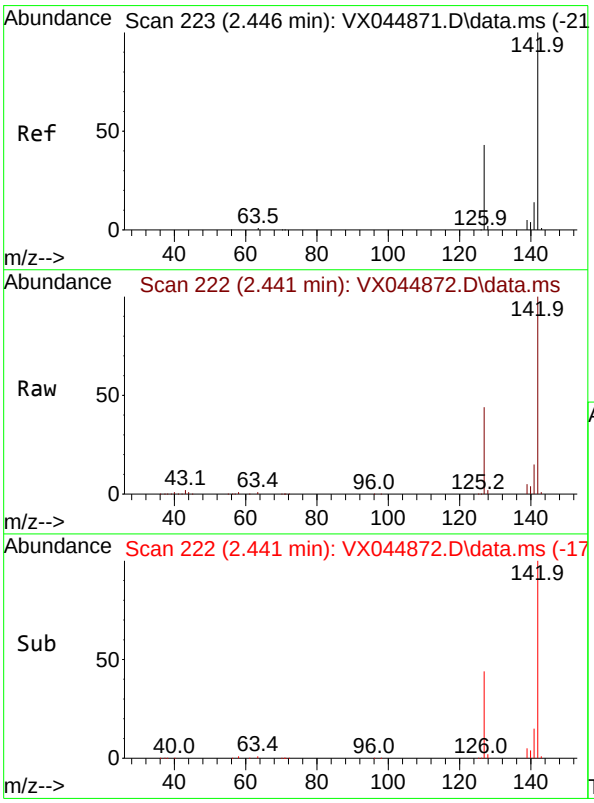
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

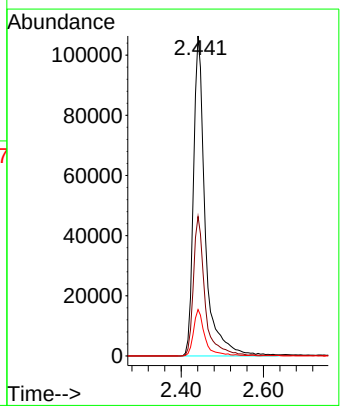


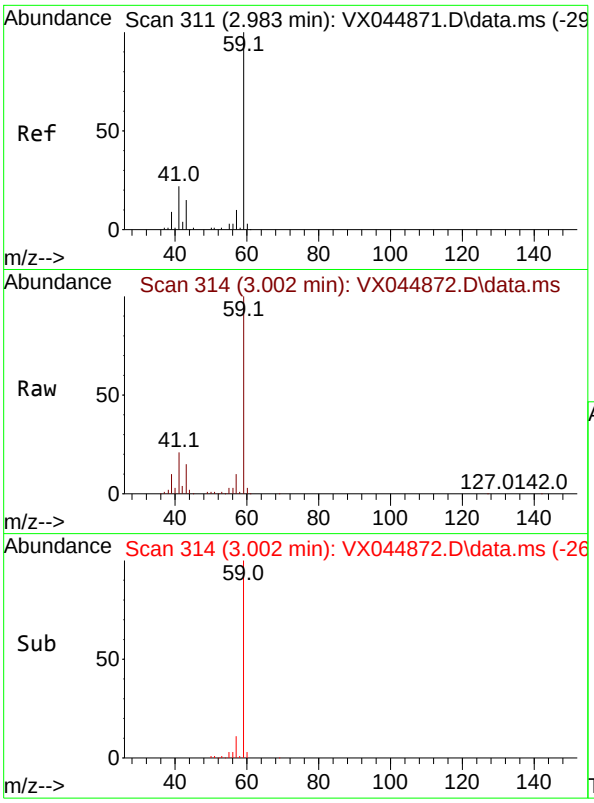


#10
Methyl Iodide
Concen: 100.016 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:142 Resp: 212118

Ion	Ratio	Lower	Upper
142	100		
127	42.5	34.3	51.5
141	14.1	11.4	17.2





#11
Tert butyl alcohol
Concen: 469.903 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.019 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

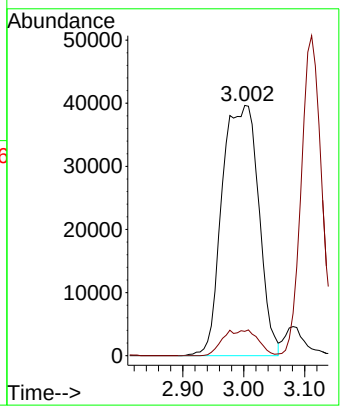
Tgt Ion: 59 Resp: 16526

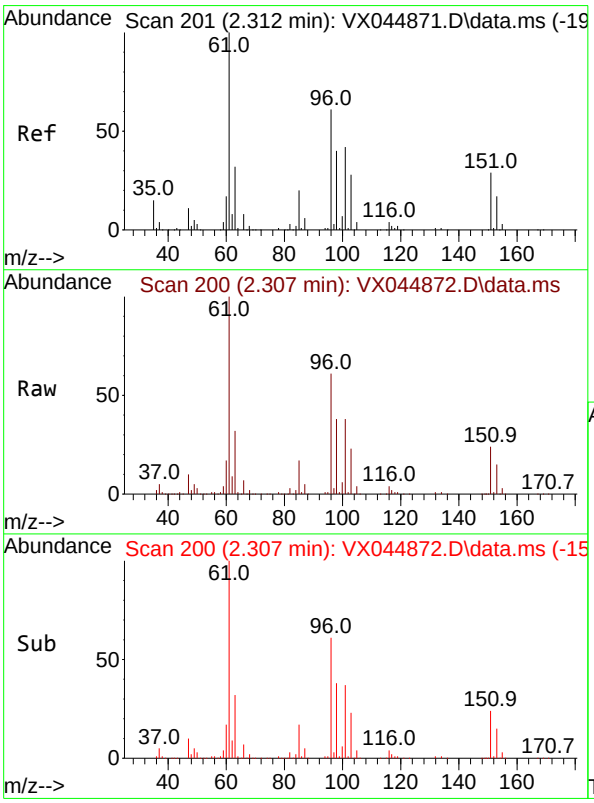
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

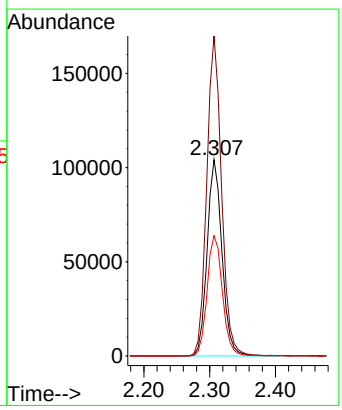


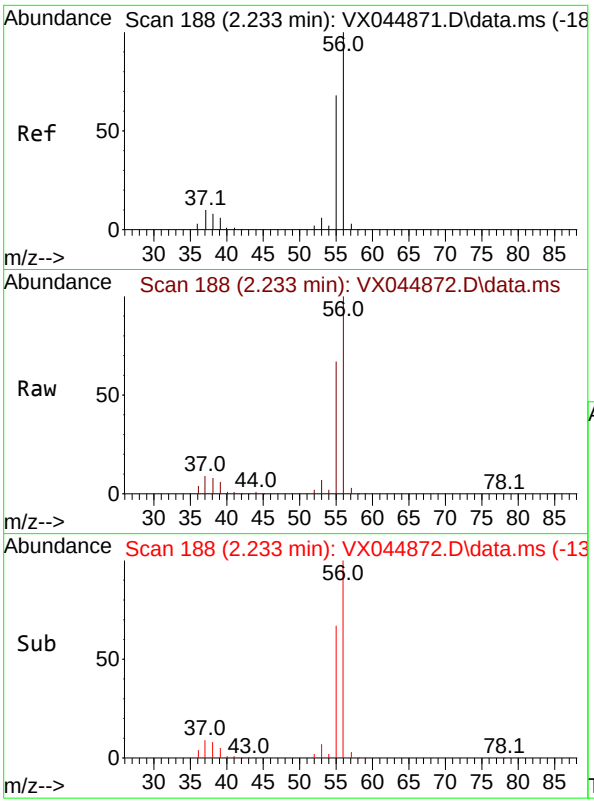


#12
1,1-Dichloroethene
Concen: 98.004 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 96 Resp: 163593

Ion	Ratio	Lower	Upper
96	100		
61	162.9	130.2	195.4
98	61.3	52.2	78.4





#13
Acrolein
Concen: 497.628 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 56 Resp: 18057

Ion	Ratio	Lower	Upper
56	100		
55	68.9	55.7	83.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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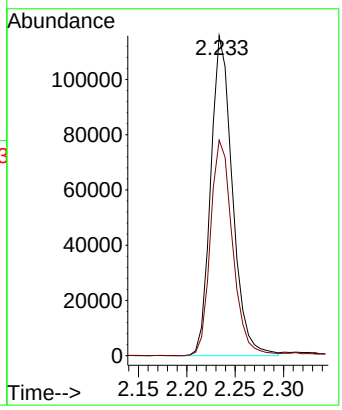
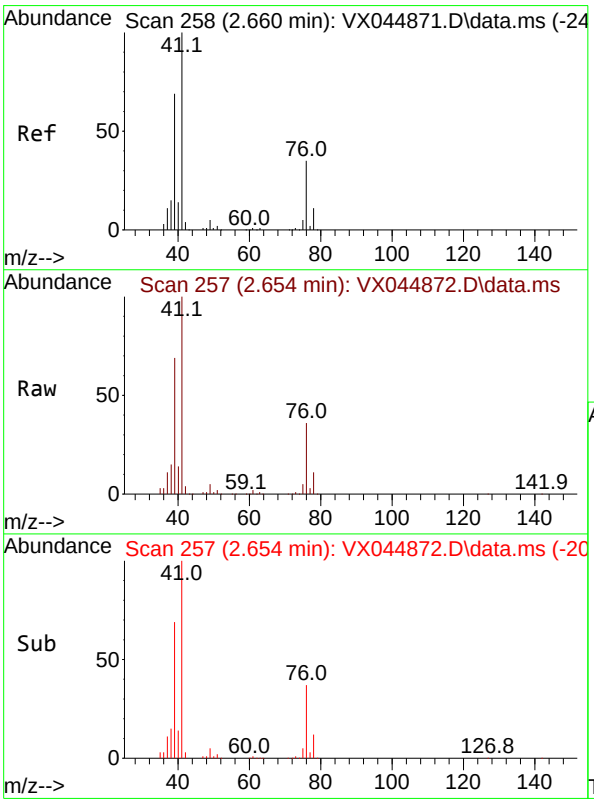
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

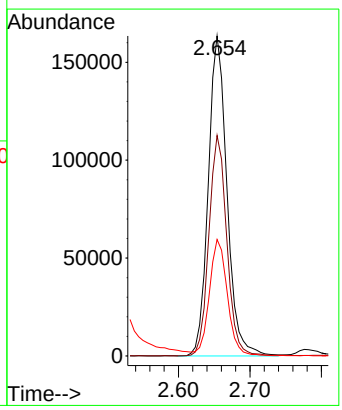


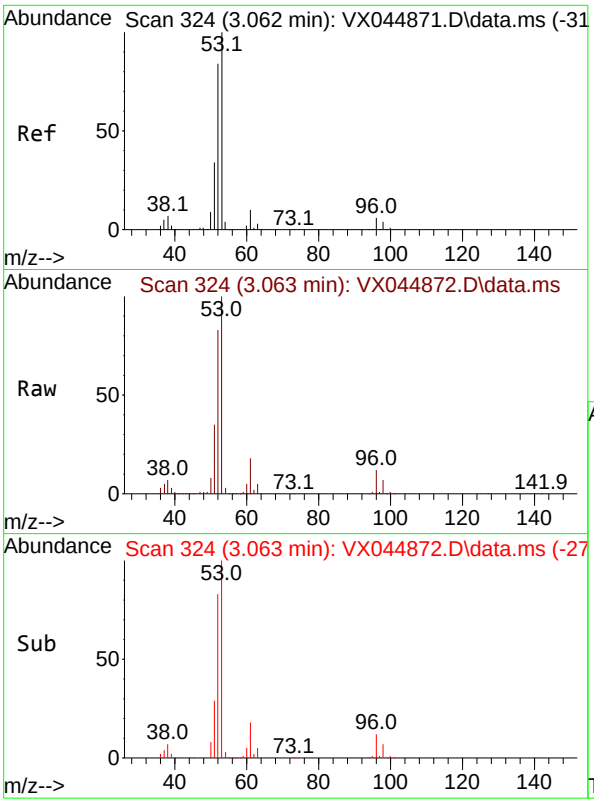


#14
Allyl chloride
Concen: 98.624 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 297526

Ion	Ratio	Lower	Upper
41	100		
39	65.6	51.4	77.2
76	34.9	27.0	40.4





#15
Acrylonitrile
Concen: 497.173 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 53 Resp: 46685

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.0	97.6
51	34.9	28.0	42.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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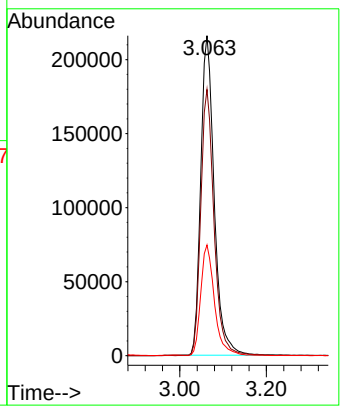
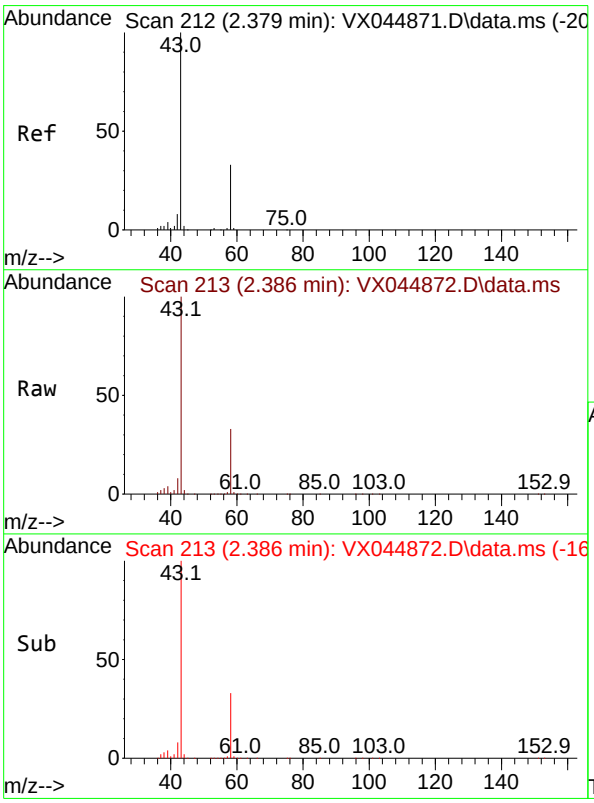
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

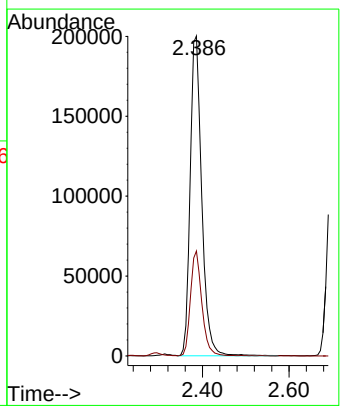


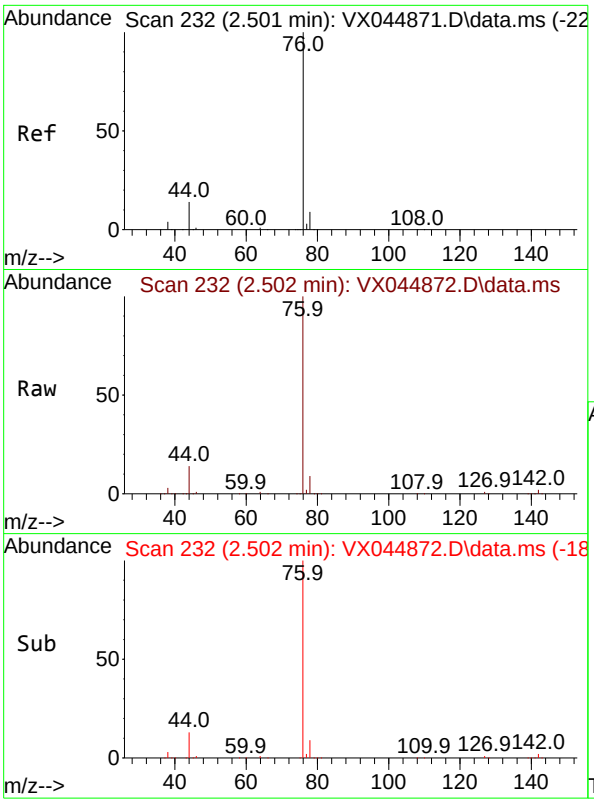


#16
Acetone
Concen: 485.125 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 369720

Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.5	39.7





#17
Carbon Disulfide
Concen: 101.216 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

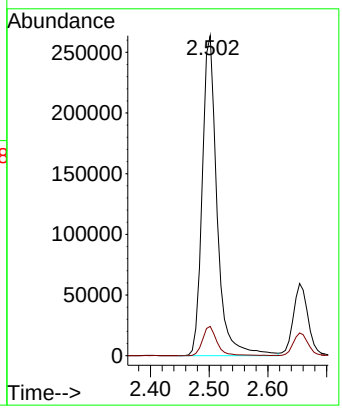
Tgt Ion: 76 Resp: 46330

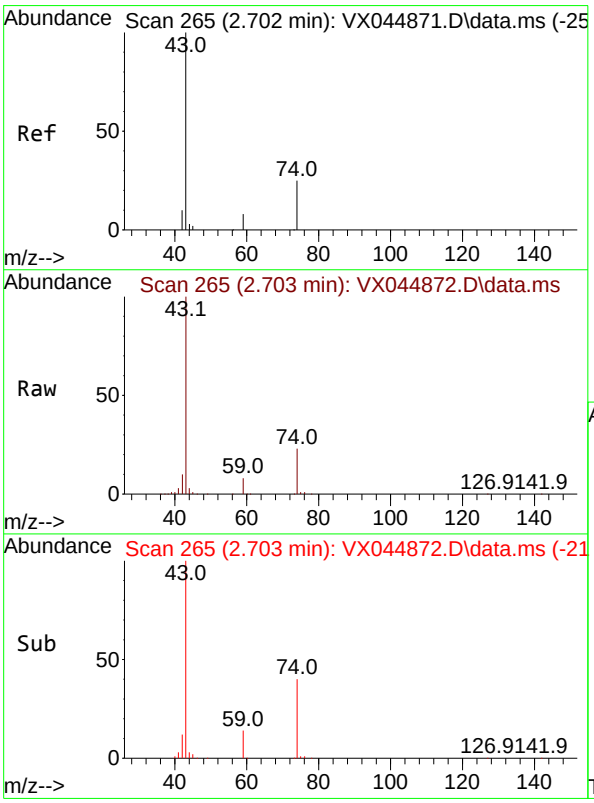
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

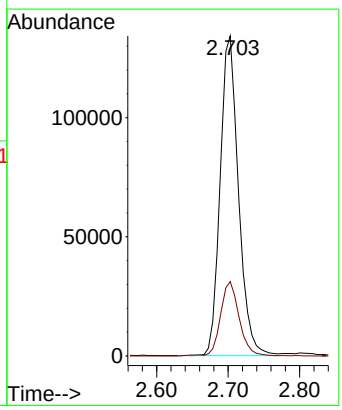


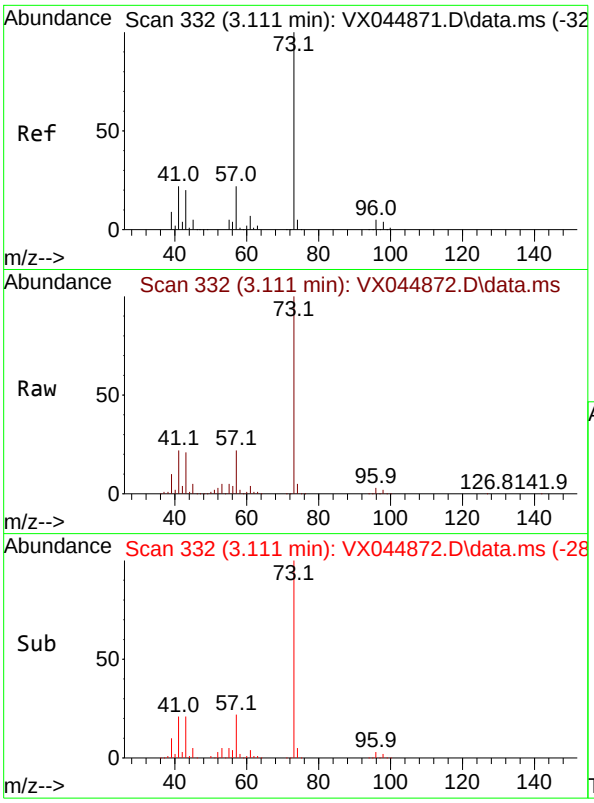


#18
Methyl Acetate
Concen: 99.249 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 238689

Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 98.098 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

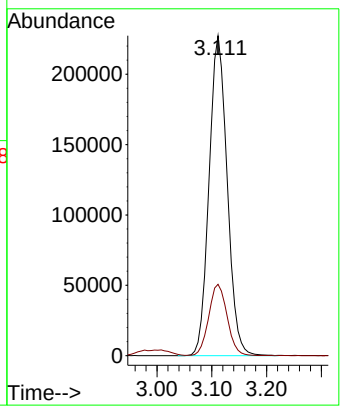
Tgt Ion: 73 Resp: 52100

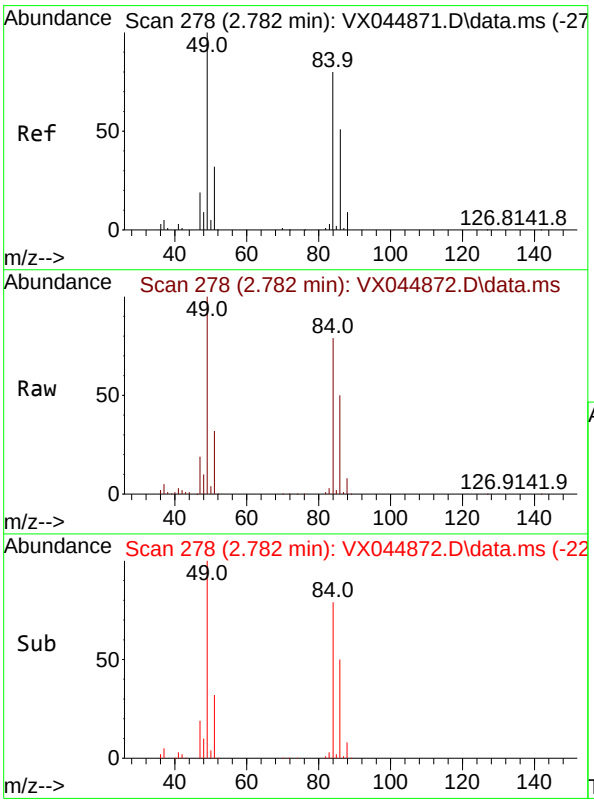
Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

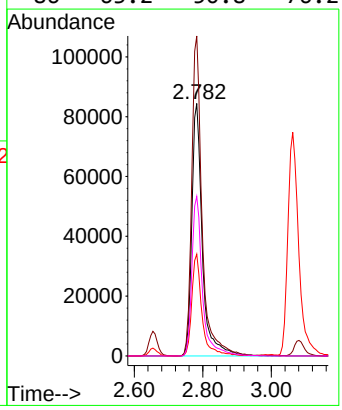


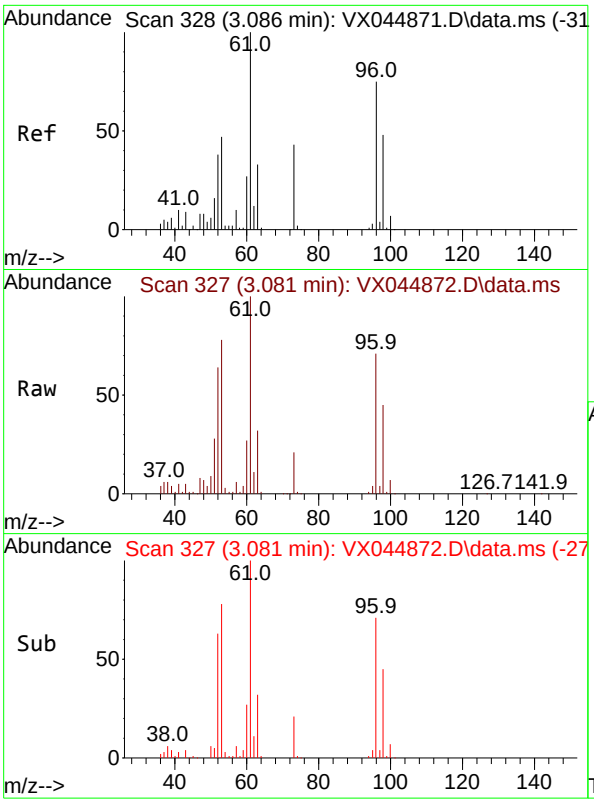


#20
Methylene Chloride
Concen: 96.490 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 84 Resp: 180120

Ion	Ratio	Lower	Upper
84	100		
49	126.7	100.1	150.1
51	40.3	31.7	47.5
86	63.2	50.8	76.2





#21
trans-1,2-Dichloroethene
Concen: 99.864 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 96 Resp: 16406

Ion	Ratio	Lower	Upper
96	100		
61	140.2	106.0	159.0
98	62.8	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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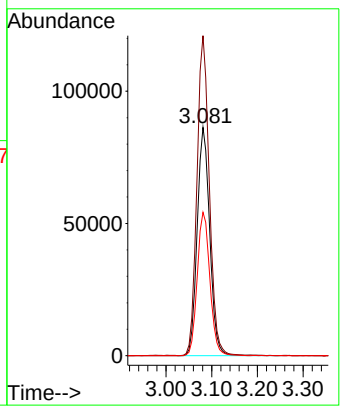
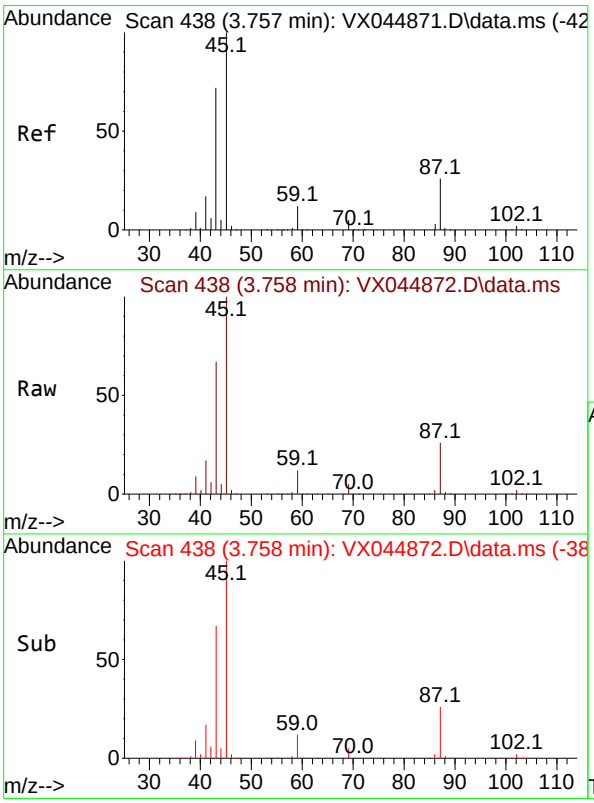
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

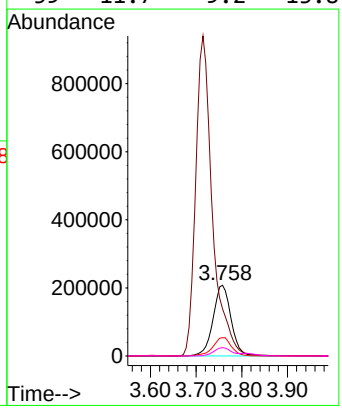


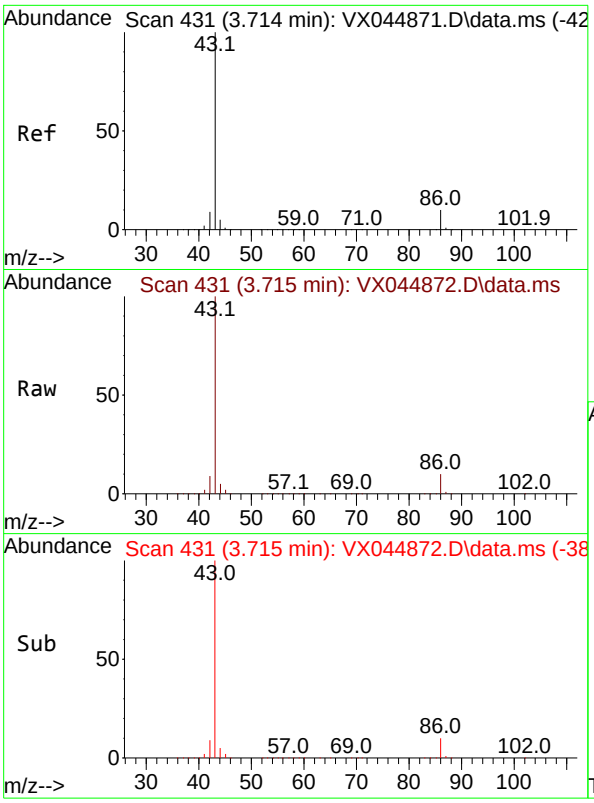


#22
Diisopropyl ether
Concen: 99.157 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 45 Resp: 565927

Ion	Ratio	Lower	Upper
45	100		
43	66.7	58.0	87.0
87	25.7	20.7	31.1
59	11.7	9.2	13.8





#23
Vinyl Acetate
Concen: 513.051 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 238720

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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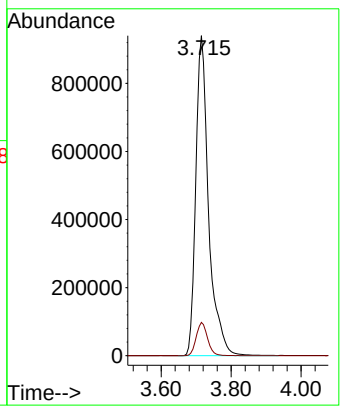
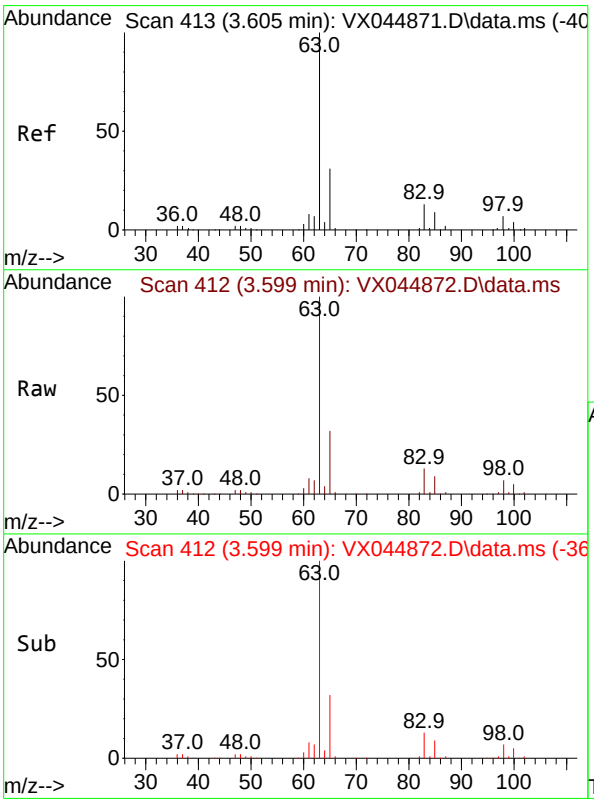
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

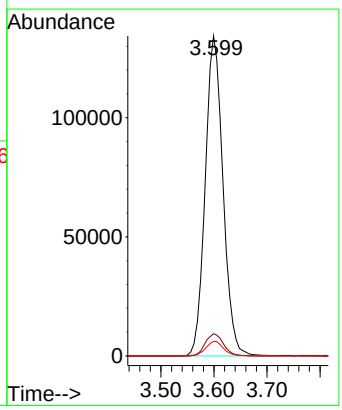


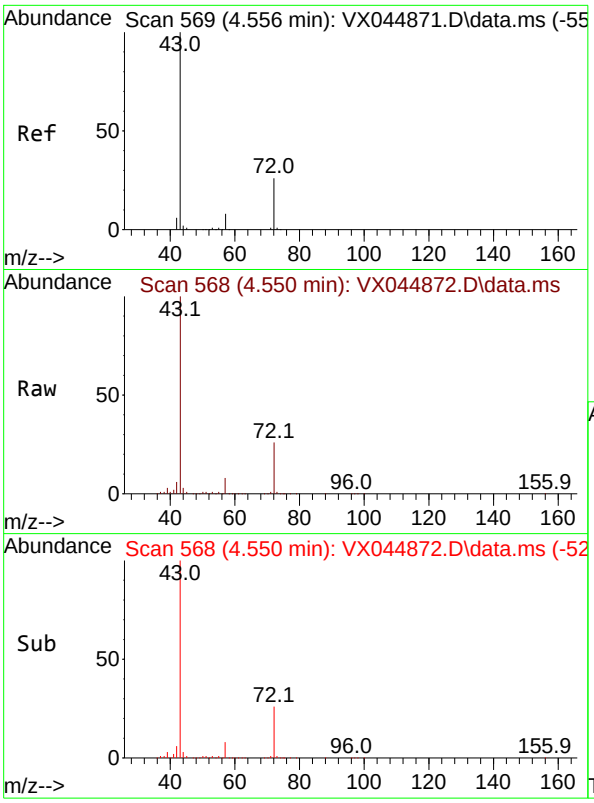


#24
1,1-Dichloroethane
Concen: 98.064 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 313164

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.9
100	4.5	2.1	6.5





#25
2-Butanone
Concen: 498.801 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

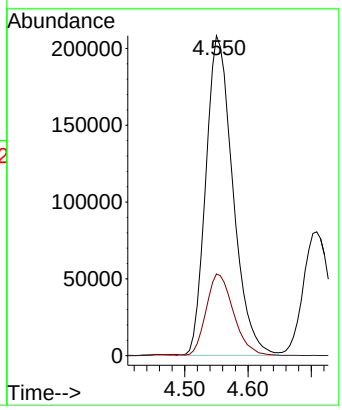
Tgt Ion: 43 Resp: 61728

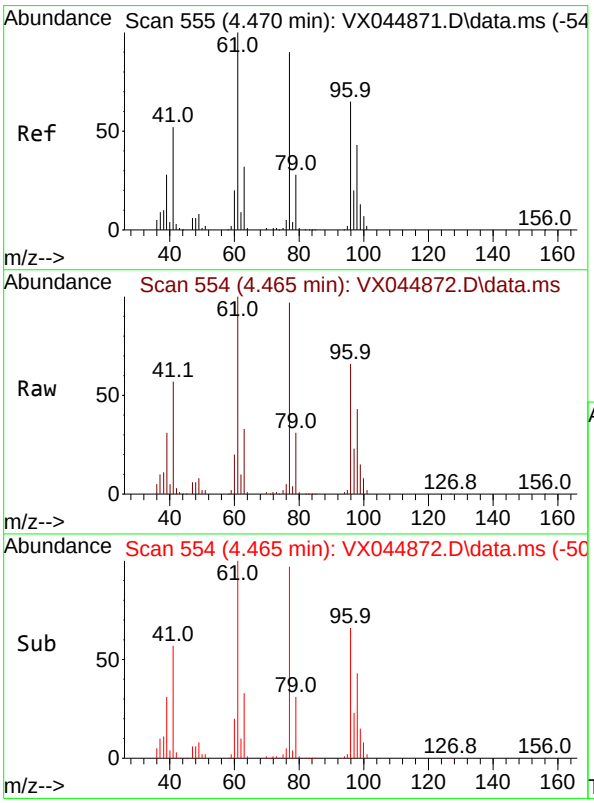
Ion	Ratio	Lower	Upper
43	100		
72	25.4	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

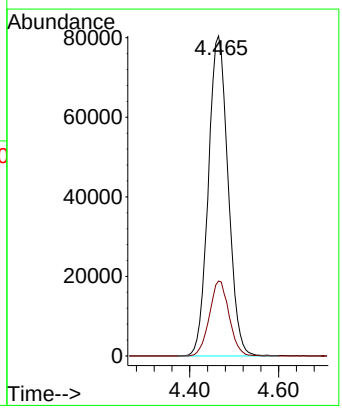


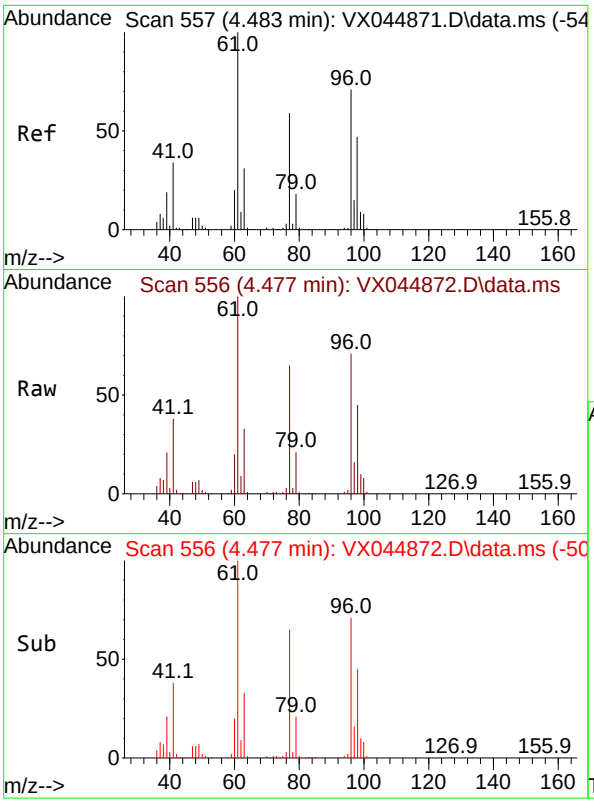


#26
2,2-Dichloropropane
Concen: 98.053 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 77 Resp: 248324

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.8	35.3





#27
cis-1,2-Dichloroethene
Concen: 99.513 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 96 Resp: 19638

Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	294.0
98	64.6	0.0	131.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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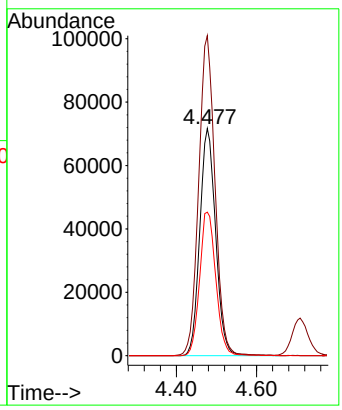
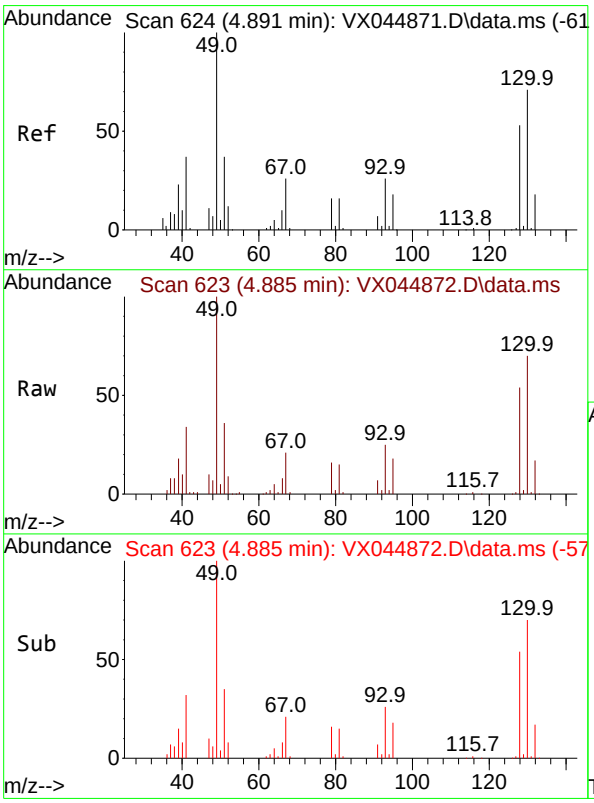
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

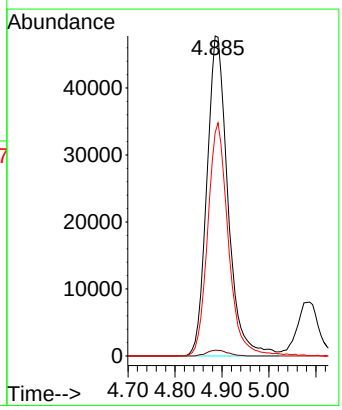


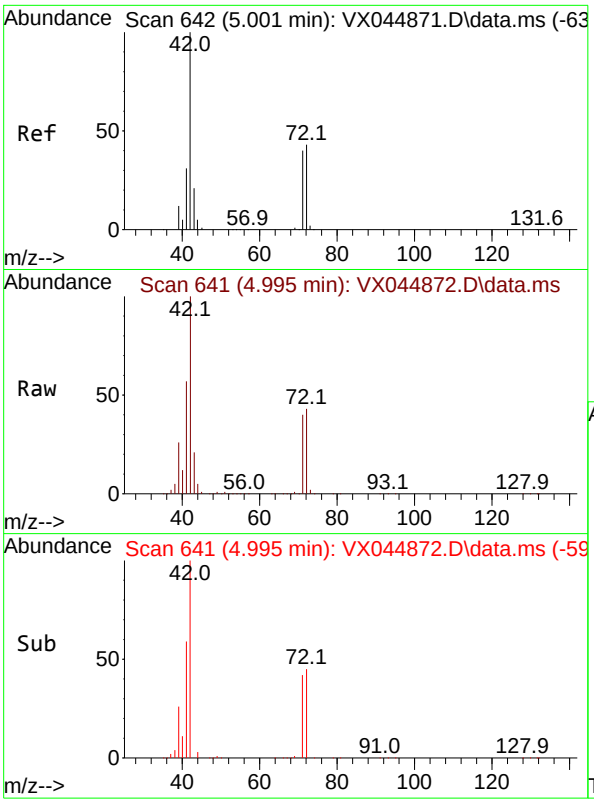


#28
Bromochloromethane
Concen: 96.524 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 49 Resp: 148137

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	71.1	56.7	85.1





#29
Tetrahydrofuran
Concen: 493.104 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 42 Resp: 40520

Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.0	52.4
71	40.8	32.6	48.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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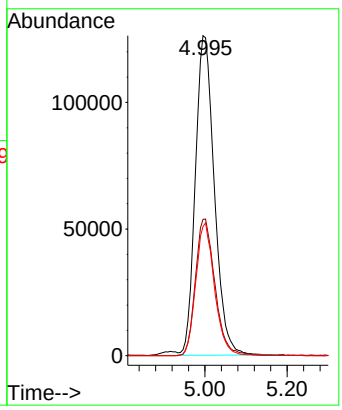
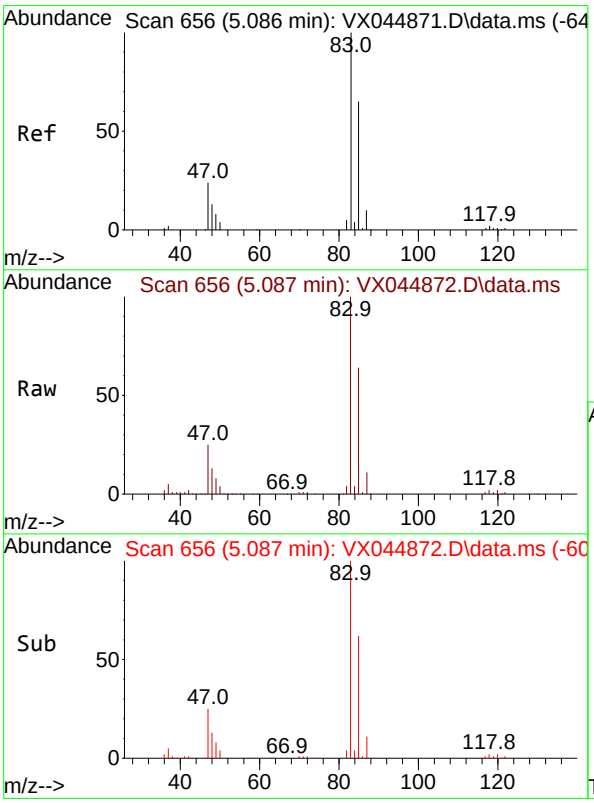
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

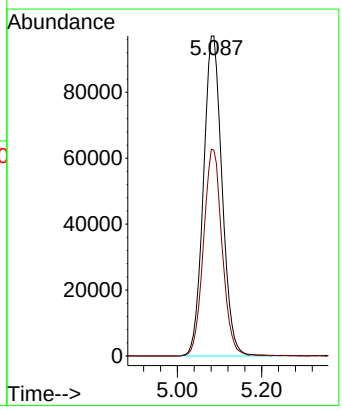


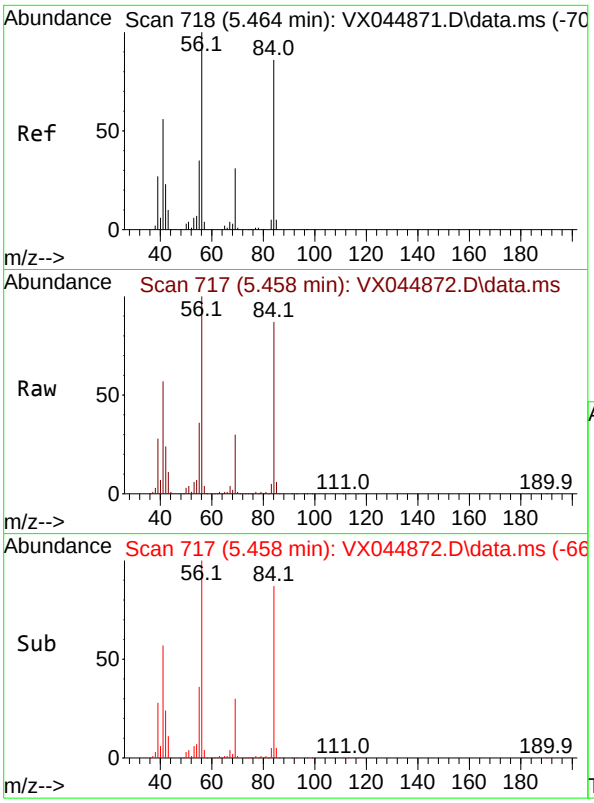


#30
Chloroform
Concen: 96.445 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 83 Resp: 298690

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1





#31
Cyclohexane
Concen: 97.426 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 56 Resp: 28683

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.4	36.6
84	85.7	69.0	103.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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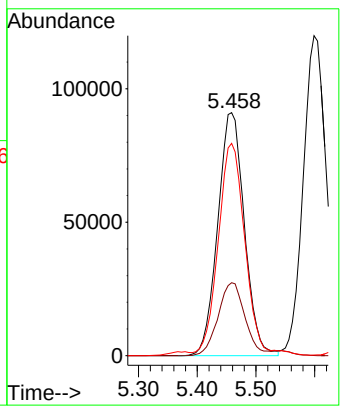
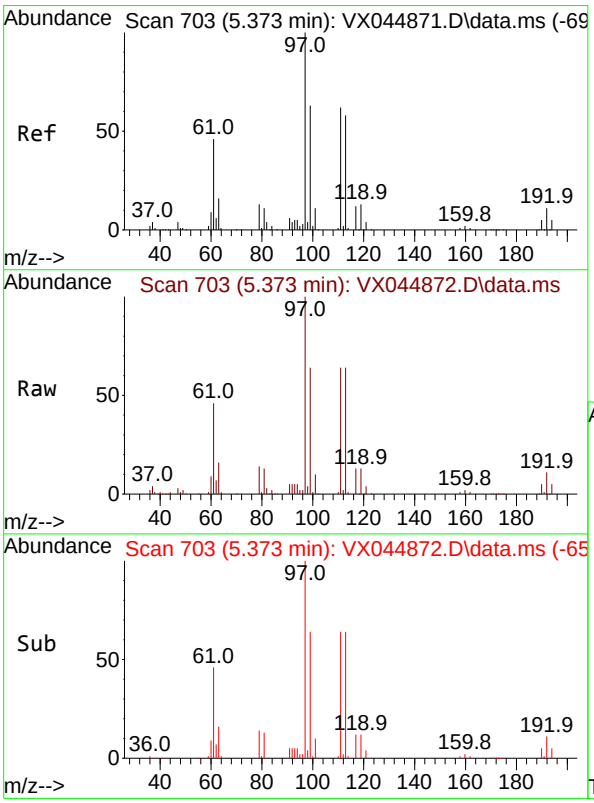
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

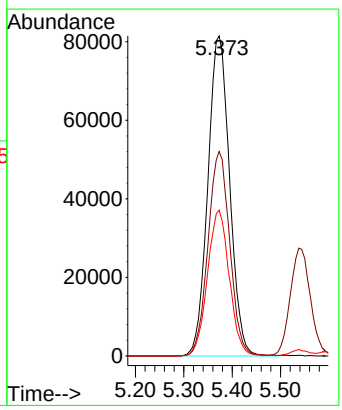


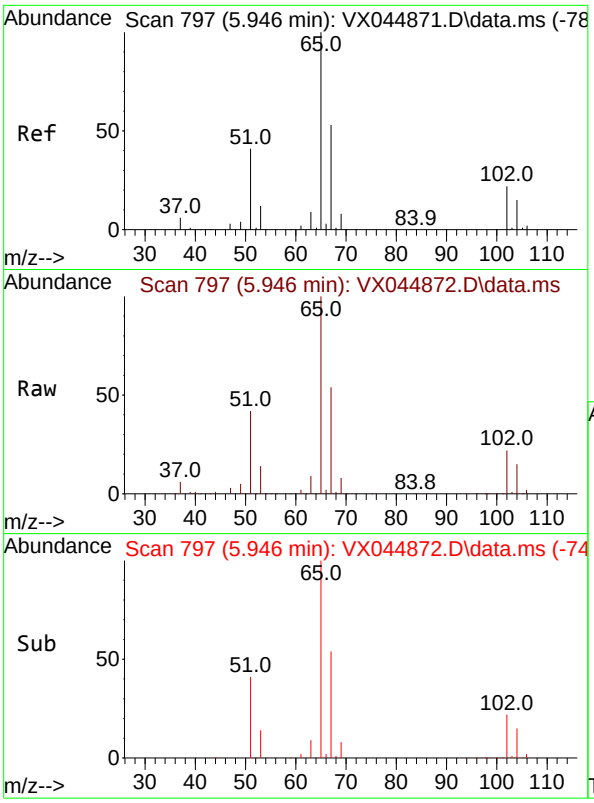


#32
1,1,1-Trichloroethane
Concen: 97.050 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 97 Resp: 254941

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.8	36.6	55.0





#33
1,2-Dichloroethane-d4
Concen: 96.580 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 65 Resp: 18309

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	108.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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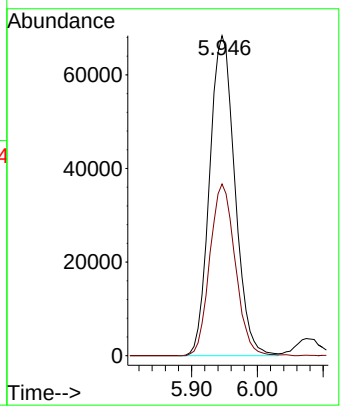
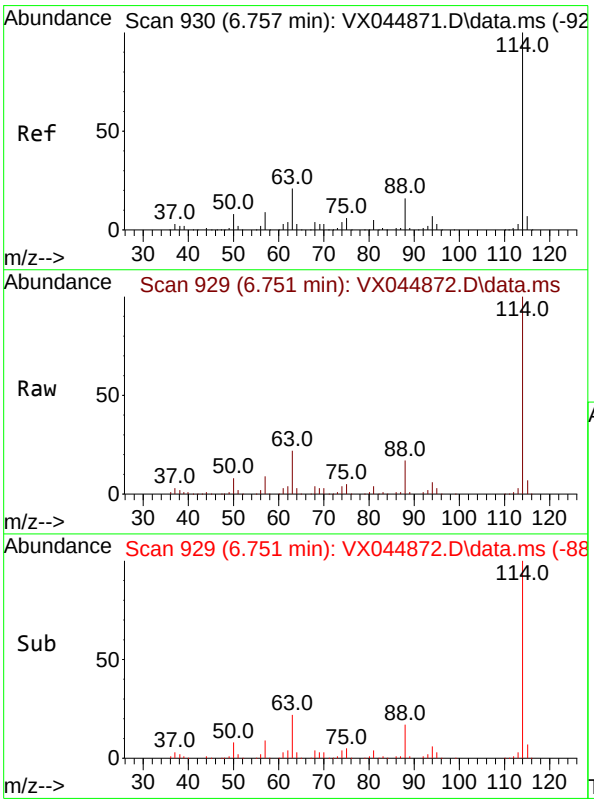
Supervised By :Mahesh Dadoda 02/11/2025

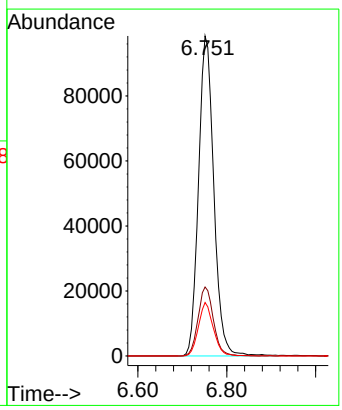


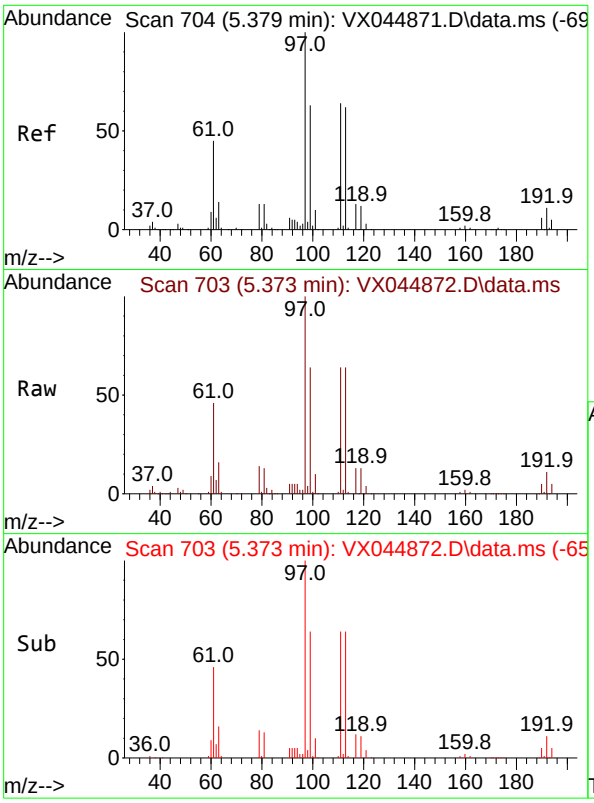


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:114 Resp: 236372

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.4
88	16.7	0.0	31.4





#35
Dibromofluoromethane
Concen: 98.404 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:113 Resp: 15122

Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.5	125.3
192	17.6	14.4	21.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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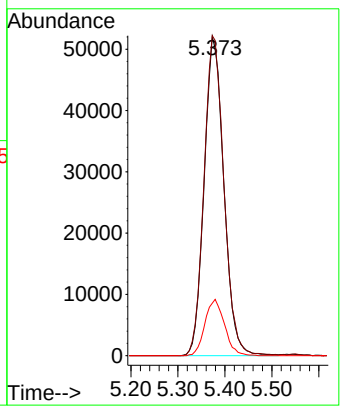
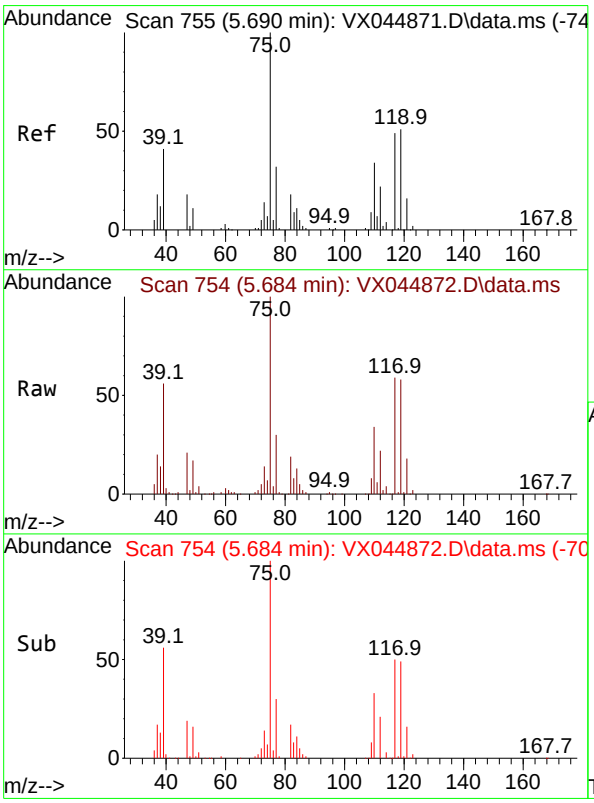
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

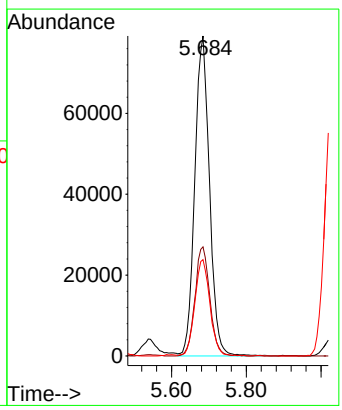


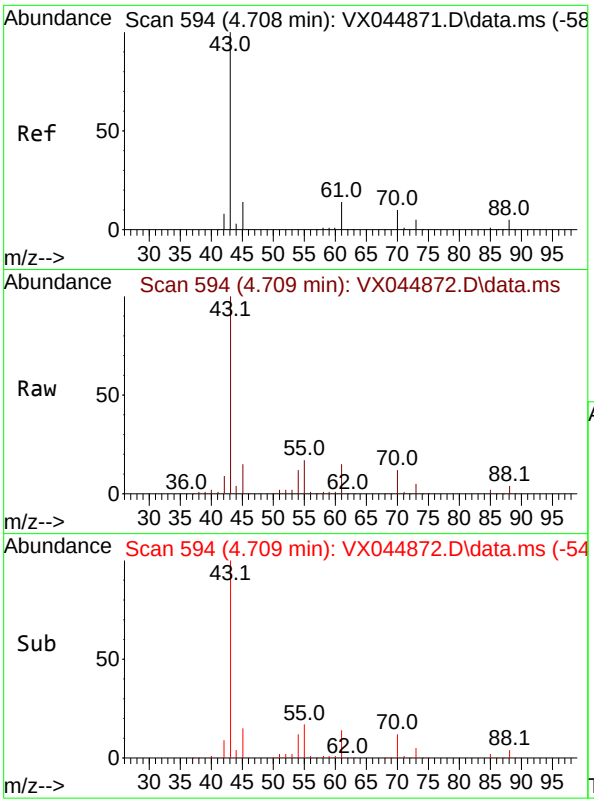


#36
1,1-Dichloropropene
Concen: 97.422 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 216005

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.9	24.6	37.0





#37
Ethyl Acetate
Concen: 99.005 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 24416

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.6	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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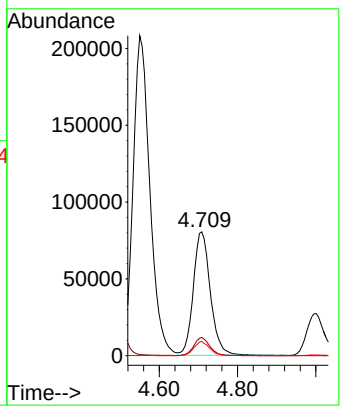
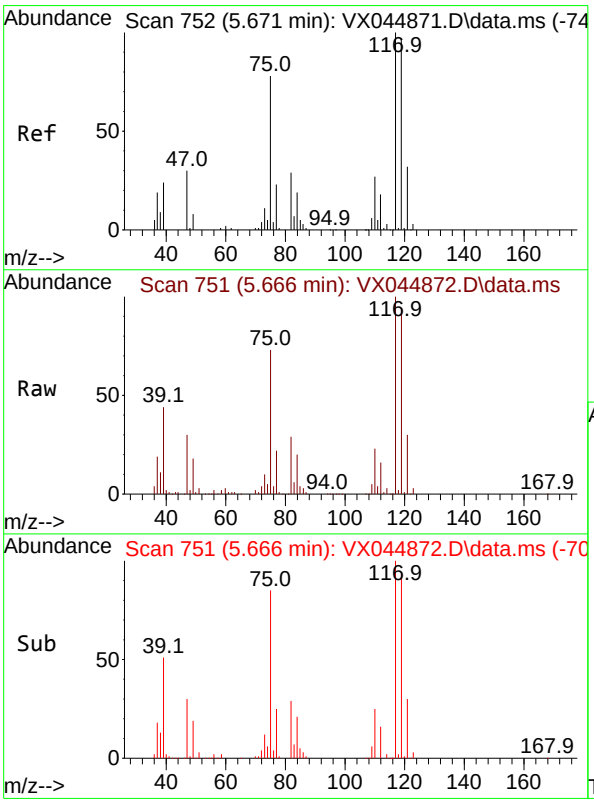
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

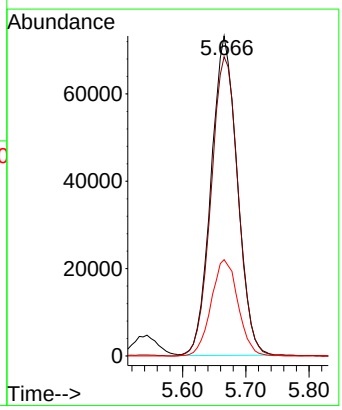


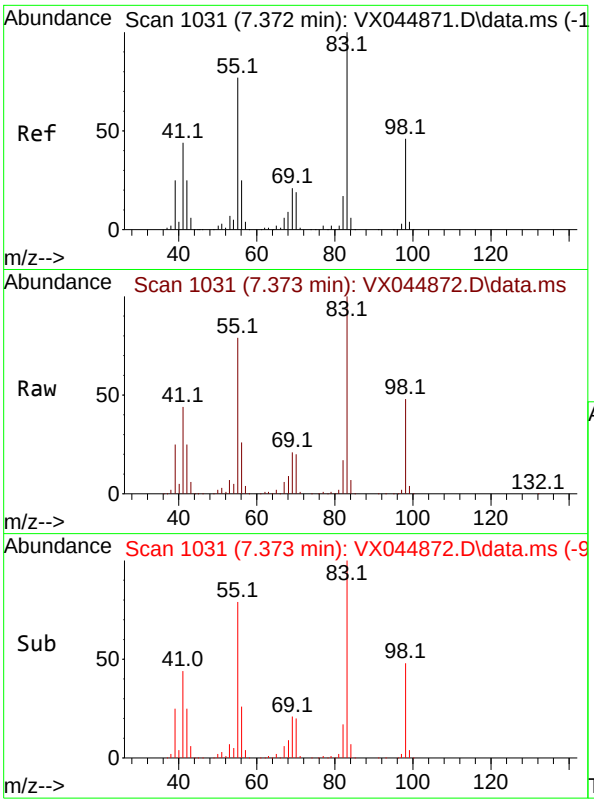


#38
Carbon Tetrachloride
Concen: 96.828 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:117 Resp: 210381

Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.5	116.3
121	30.2	25.6	38.4





#39
Methylcyclohexane
Concen: 104.554 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

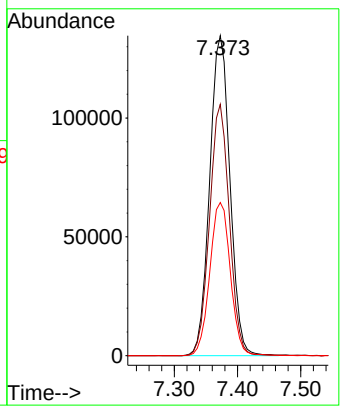
Tgt Ion: 83 Resp: 29970

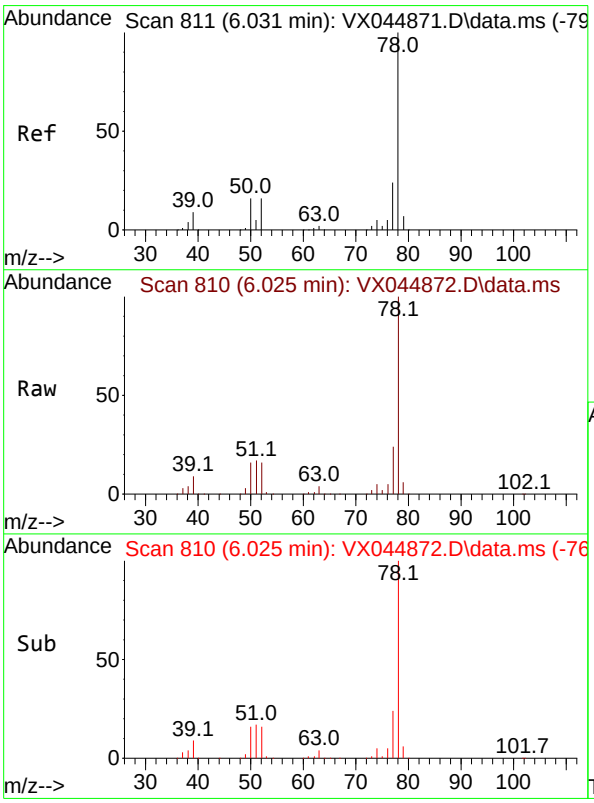
Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.3	91.9
98	47.8	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

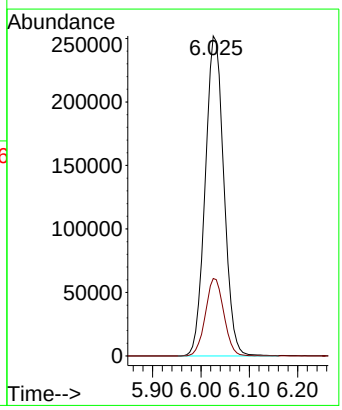


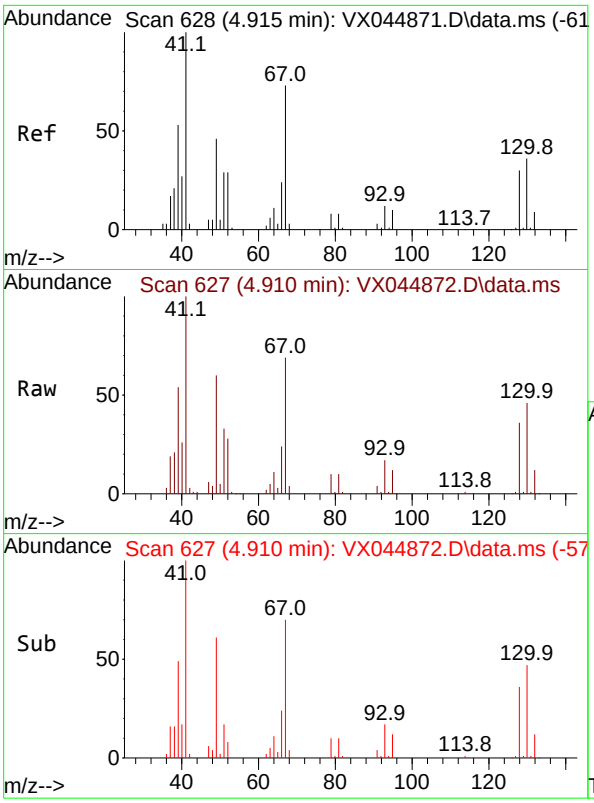


#40
Benzene
Concen: 97.576 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 78 Resp: 675556

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





#41
Methacrylonitrile
Concen: 102.745 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

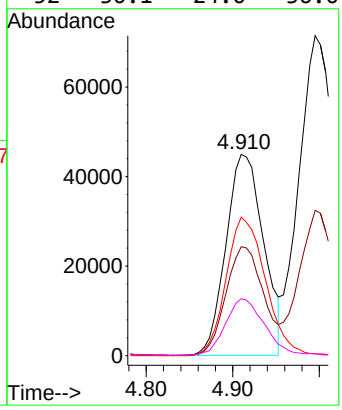
Tgt Ion: 41 Resp: 13562

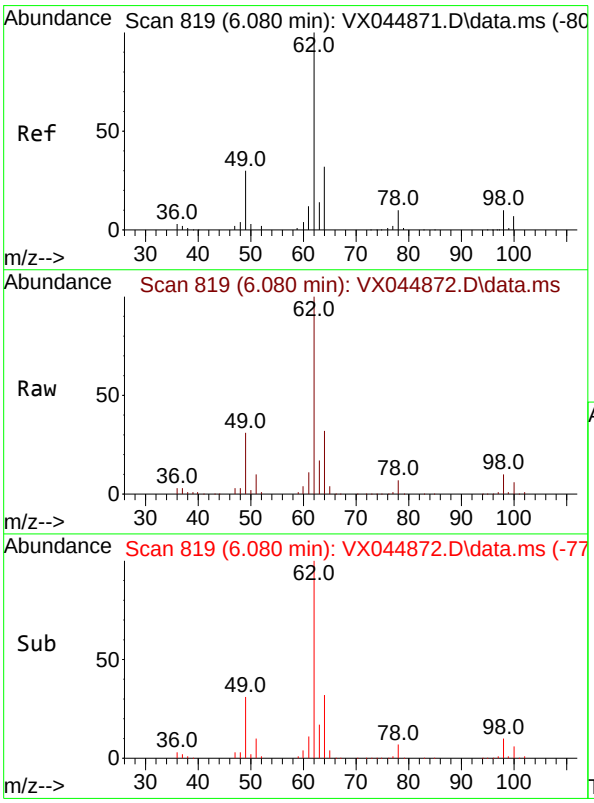
Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	72.4	57.0	85.6
52	30.1	24.0	36.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

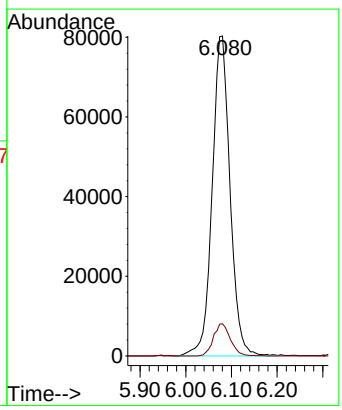


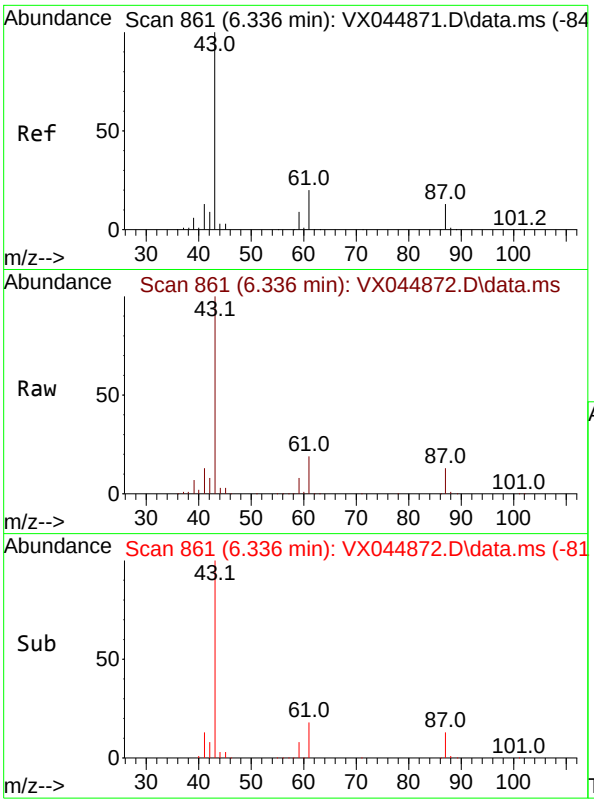


#42
1,2-Dichloroethane
Concen: 98.875 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 218174

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4





#43
Isopropyl Acetate
Concen: 101.818 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 40548

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.8
87	12.8	10.0	15.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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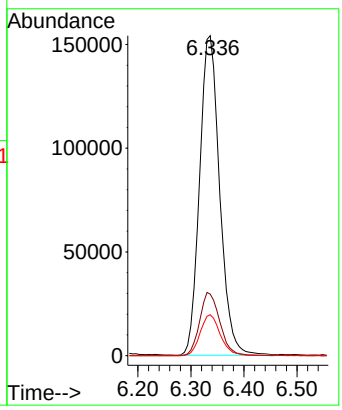
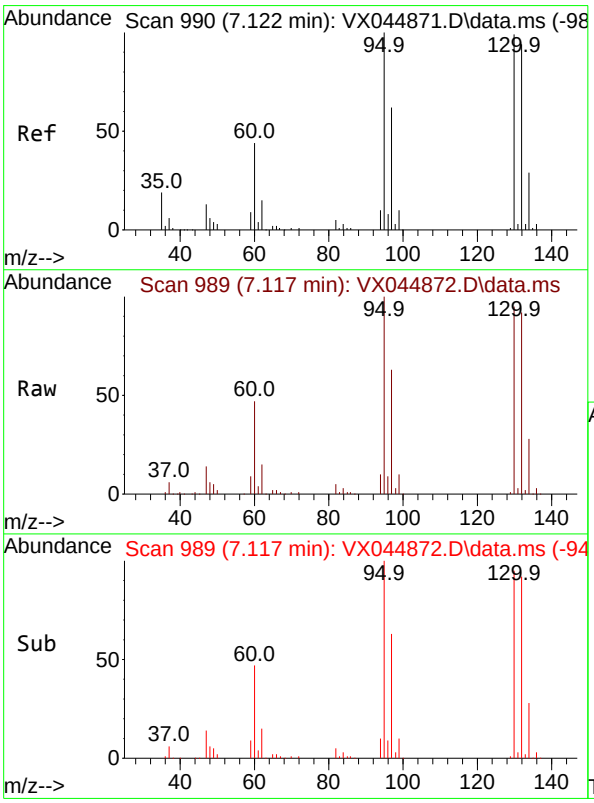
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

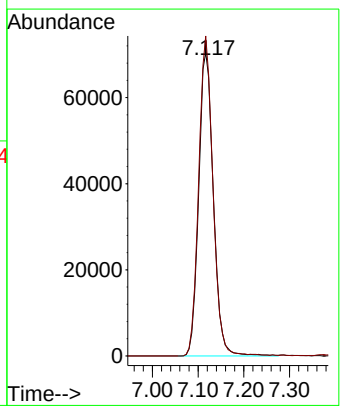


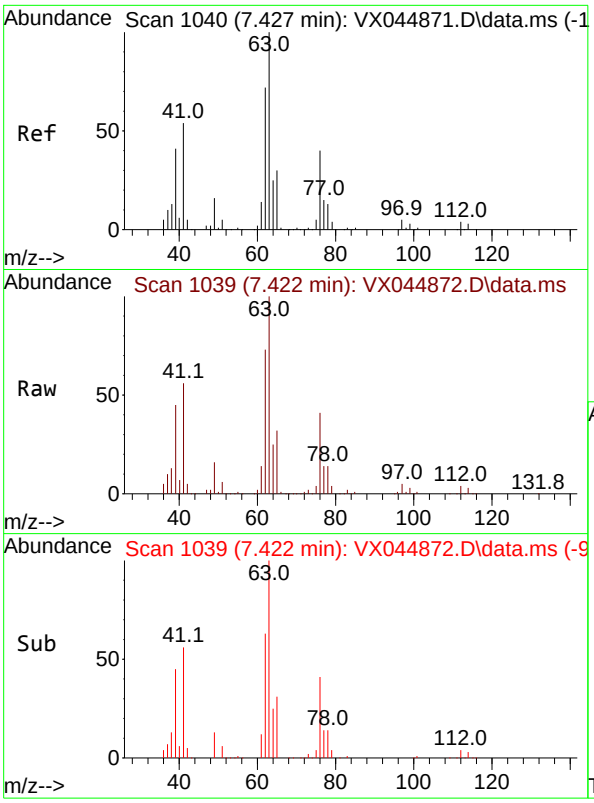


#44
Trichloroethene
Concen: 99.103 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:130 Resp: 156832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	202.4





#45
1,2-Dichloropropane
Concen: 98.893 ug/l
RT: 7.422 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 17033

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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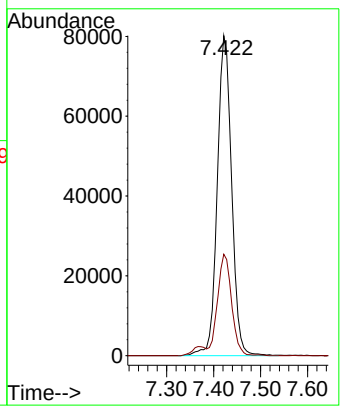
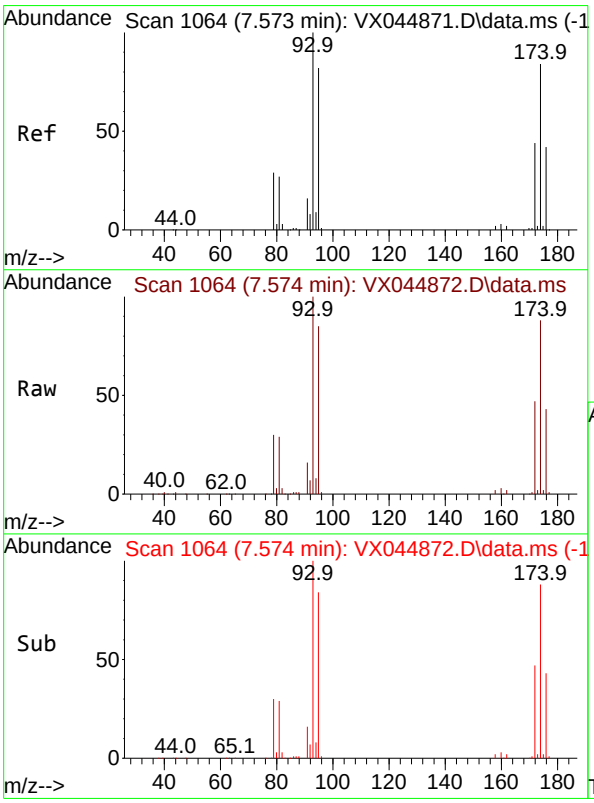
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

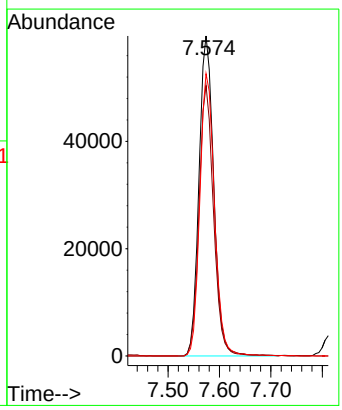


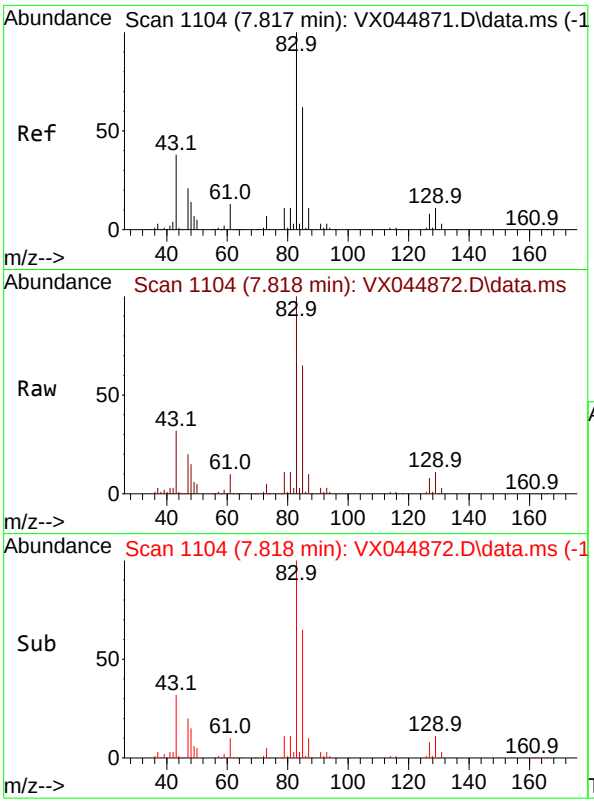


#46
Dibromomethane
Concen: 99.747 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 93 Resp: 119149

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.2	99.4
174	88.1	69.9	104.9





#47
Bromodichloromethane
Concen: 102.254 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 83 Resp: 23650

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.0	75.0
127	8.0	6.4	9.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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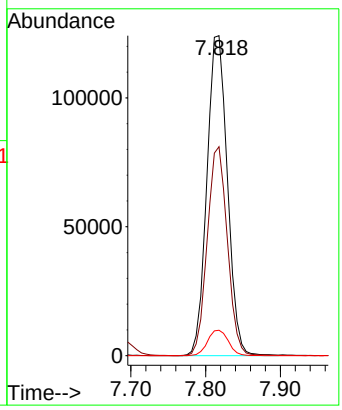
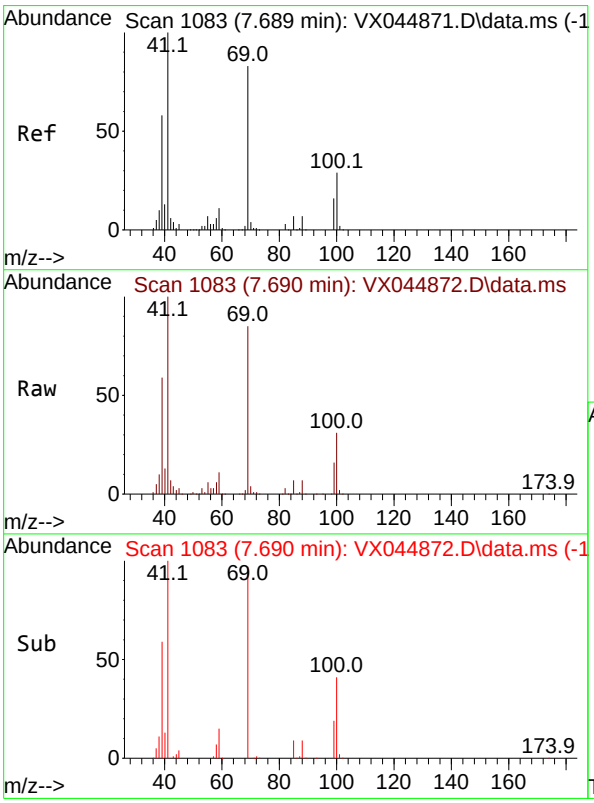
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

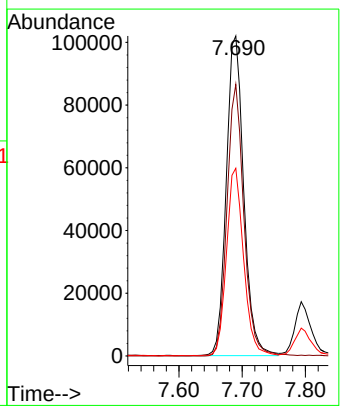


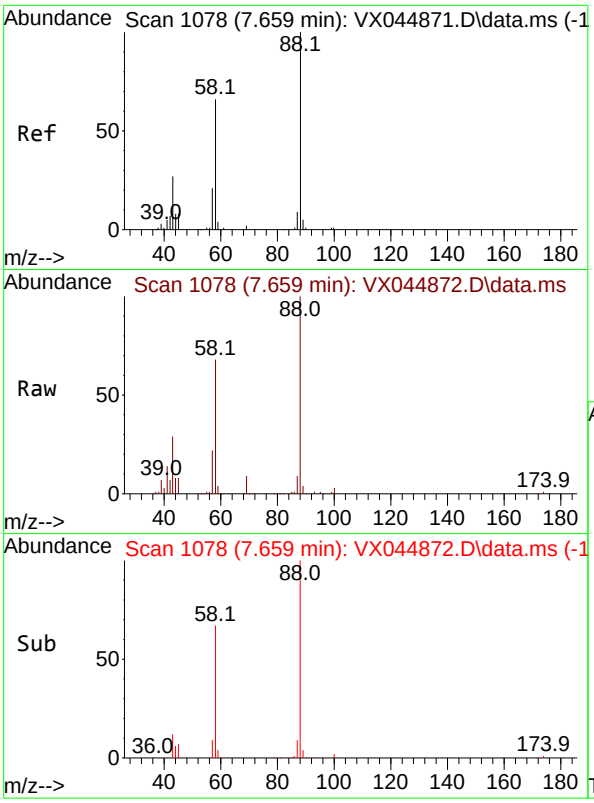


#48
Methyl methacrylate
Concen: 104.321 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 195892

Ion	Ratio	Lower	Upper
41	100		
69	82.1	65.8	98.8
39	57.3	46.4	69.6





#49
1,4-Dioxane
Concen: 1931.508 ug/l
RT: 7.659 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 88 Resp: 7781(

Ion	Ratio	Lower	Upper
88	100		
43	31.8	26.6	39.8
58	68.9	55.9	83.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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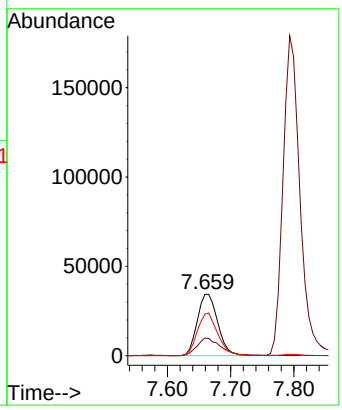
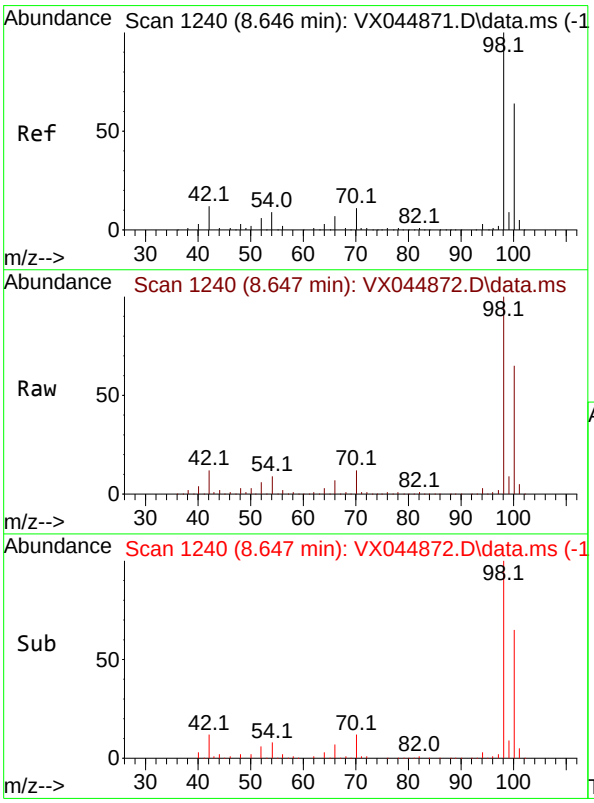
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

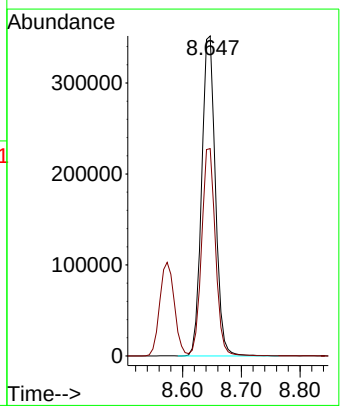


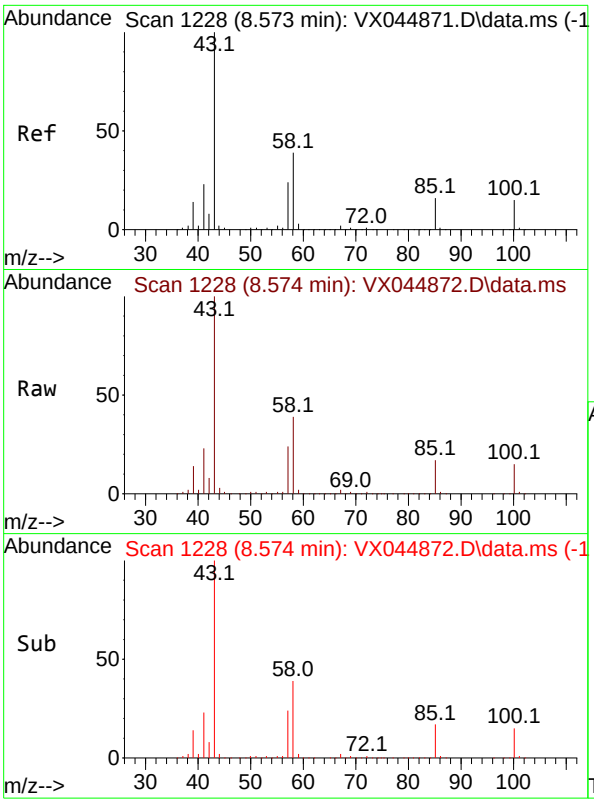


#50
Toluene-d8
Concen: 98.253 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 98 Resp: 570976

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 494.353 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 119688

Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.8	46.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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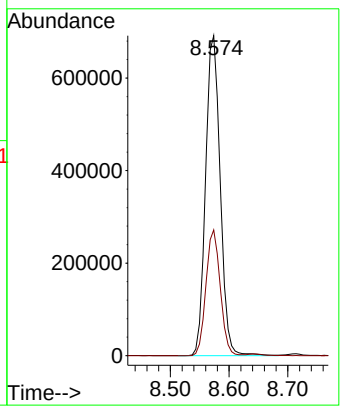
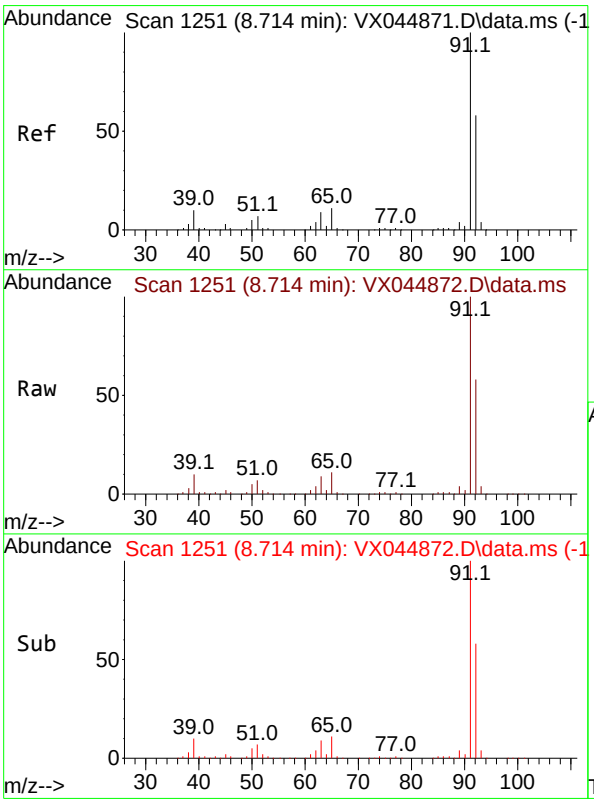
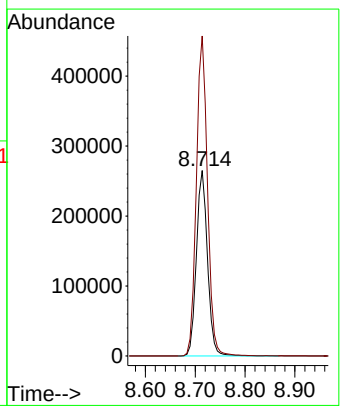


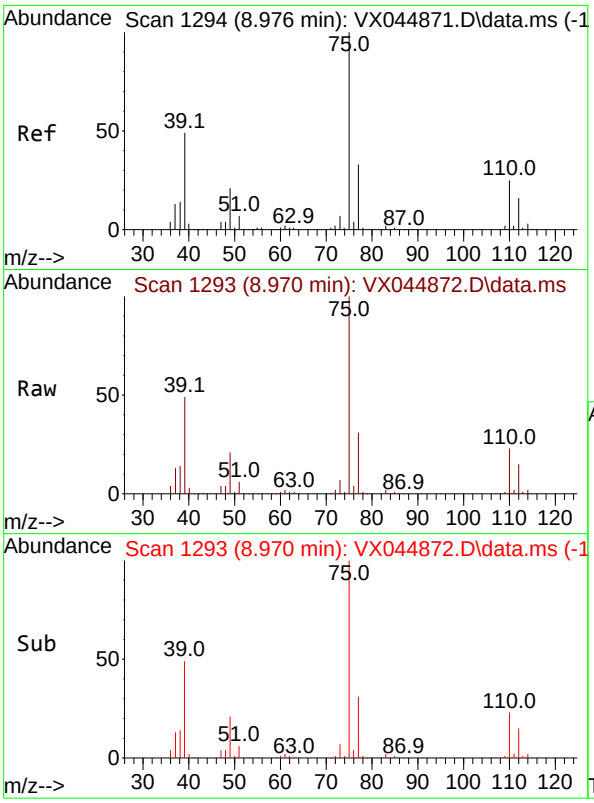


#52
Toluene
Concen: 99.270 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 92 Resp: 409318

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.4	206.2





#53
t-1,3-Dichloropropene
Concen: 106.694 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 24972

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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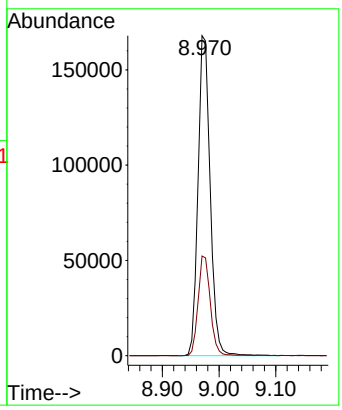
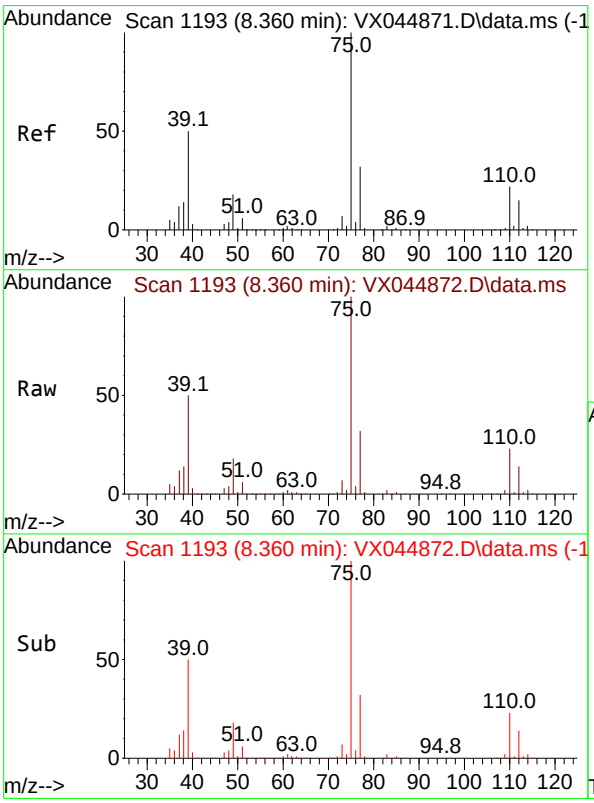
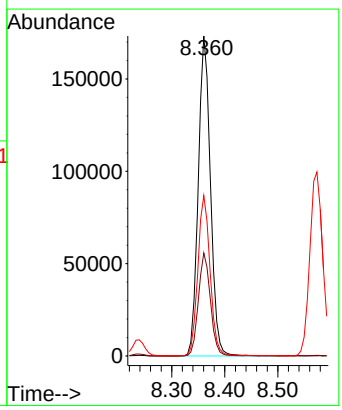


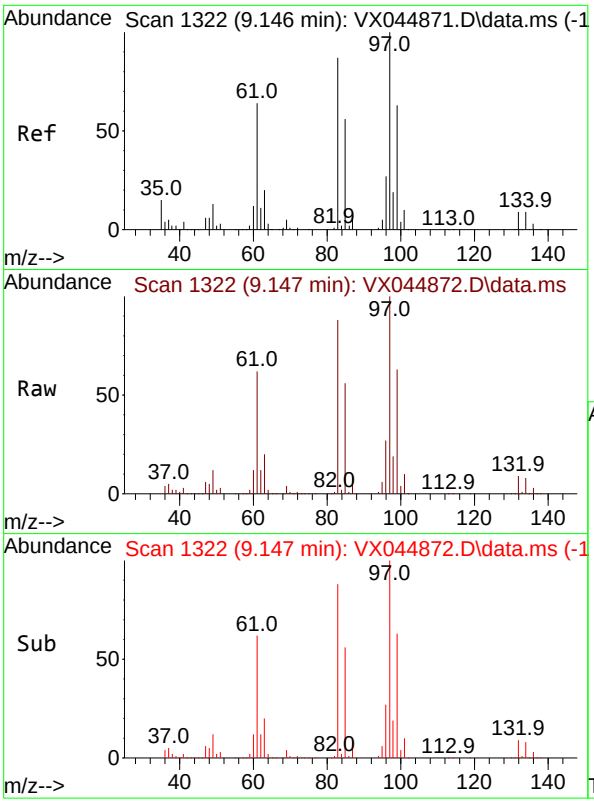


#54
cis-1,3-Dichloropropene
Concen: 106.287 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 277371

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.3	37.9
39	50.1	40.0	60.0

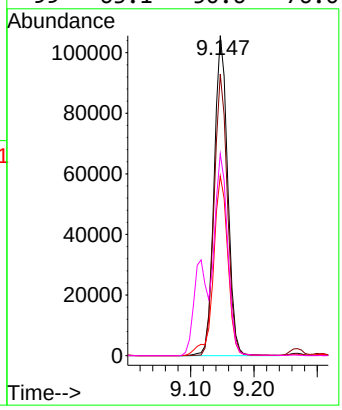




#55
1,1,2-Trichloroethane
Concen: 98.817 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 97 Resp: 15662

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.8	104.6
85	56.2	44.8	67.2
99	63.1	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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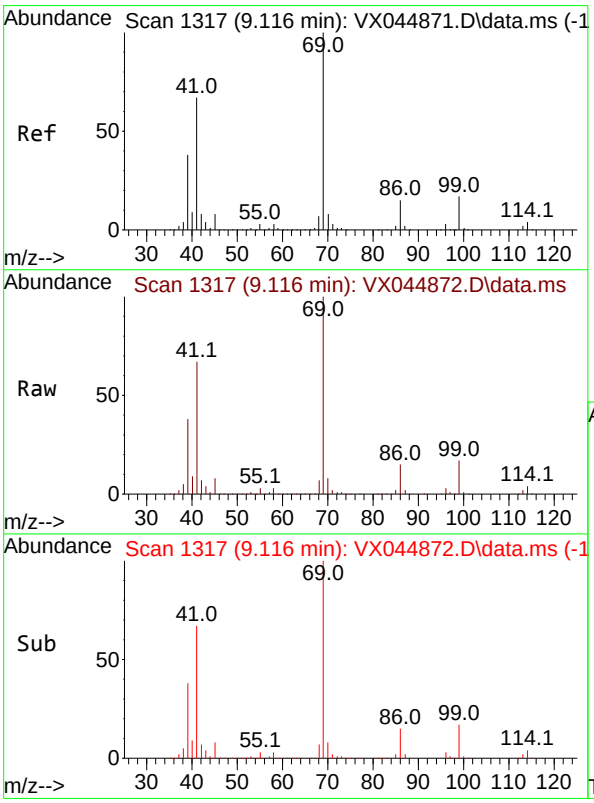
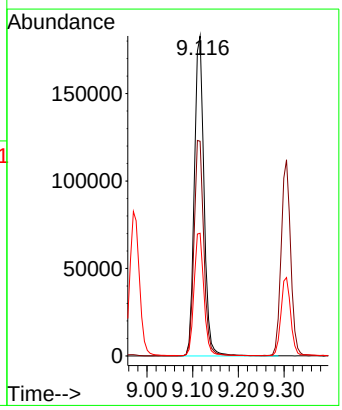
Supervised By :Mahesh Dadoda 02/11/2025

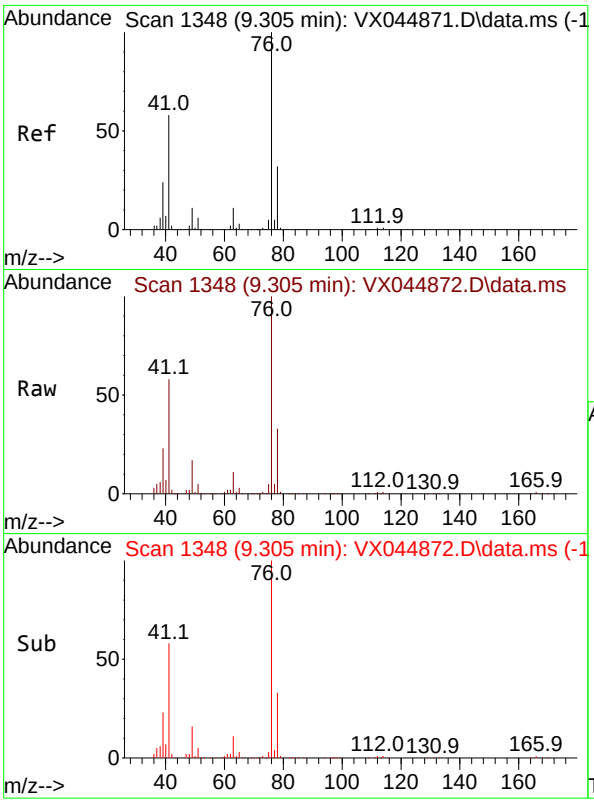


#56
Ethyl methacrylate
Concen: 104.958 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 69 Resp: 268693

Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.2	82.8
39	39.2	30.8	46.2





#57
1,3-Dichloropropane
Concen: 98.742 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 76 Resp: 27384

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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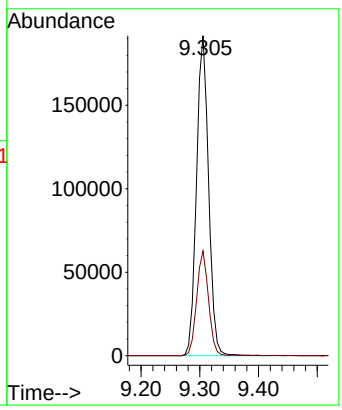
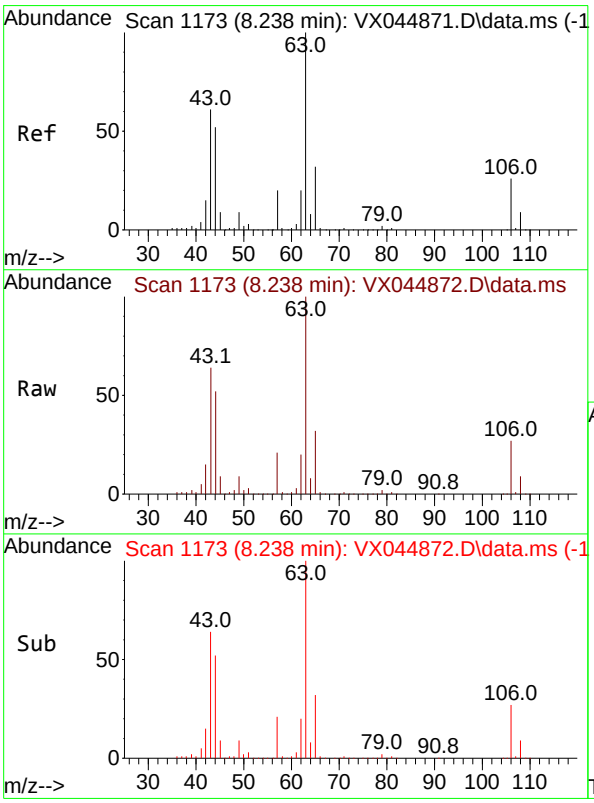
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

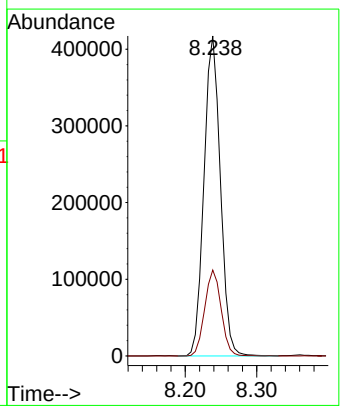


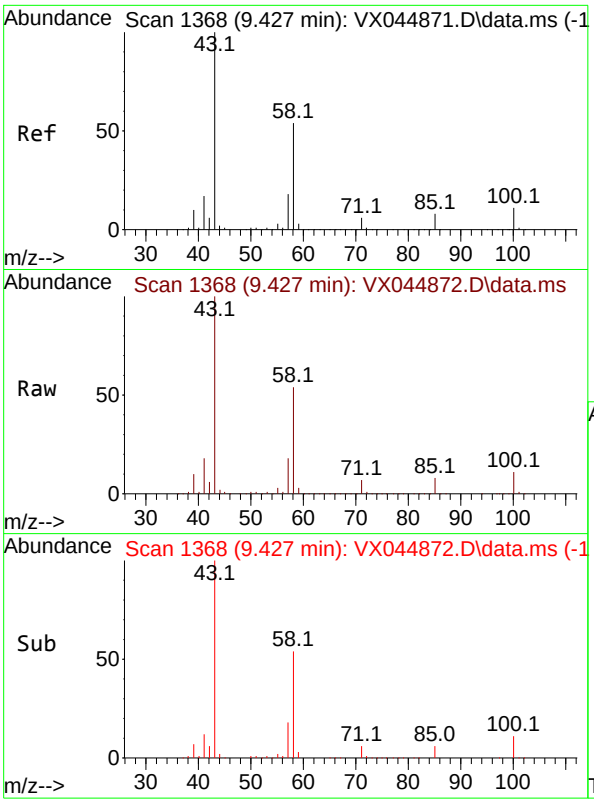


#58
2-Chloroethyl Vinyl ether
Concen: 528.405 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 664198

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.3	31.9





#59
2-Hexanone
Concen: 499.819 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 87190

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.5	82.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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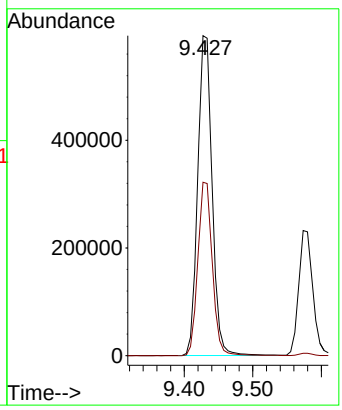
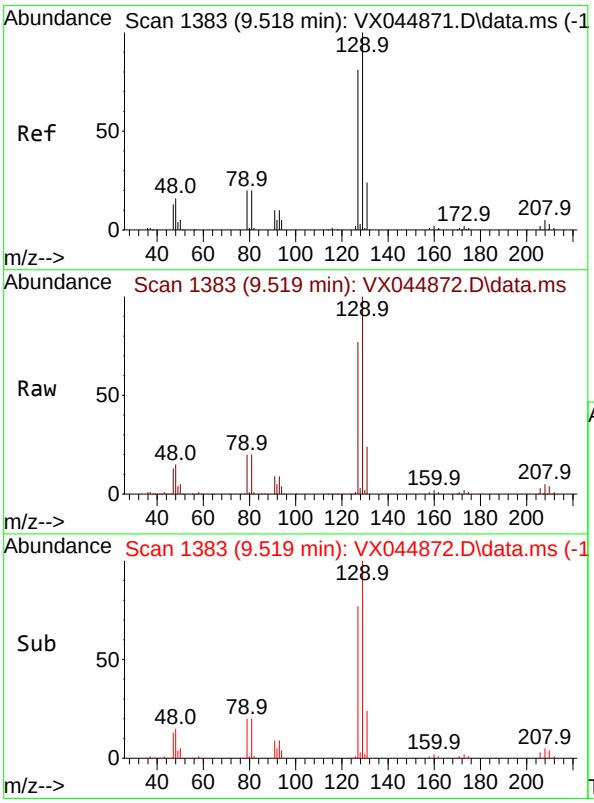
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

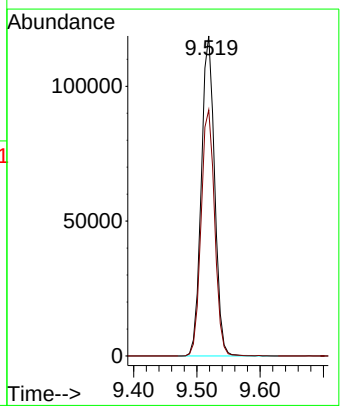


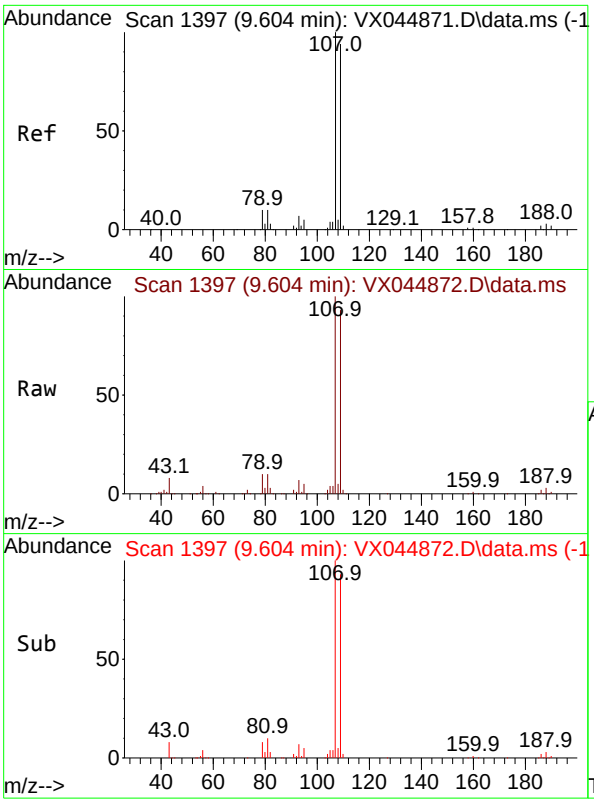


#60
Dibromochloromethane
Concen: 102.557 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:129 Resp: 173848

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.3





#61
1,2-Dibromoethane
Concen: 101.451 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:107 Resp: 16298

Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.9	113.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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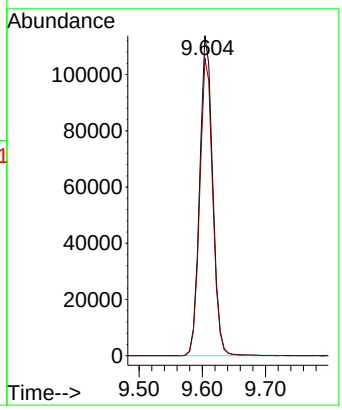
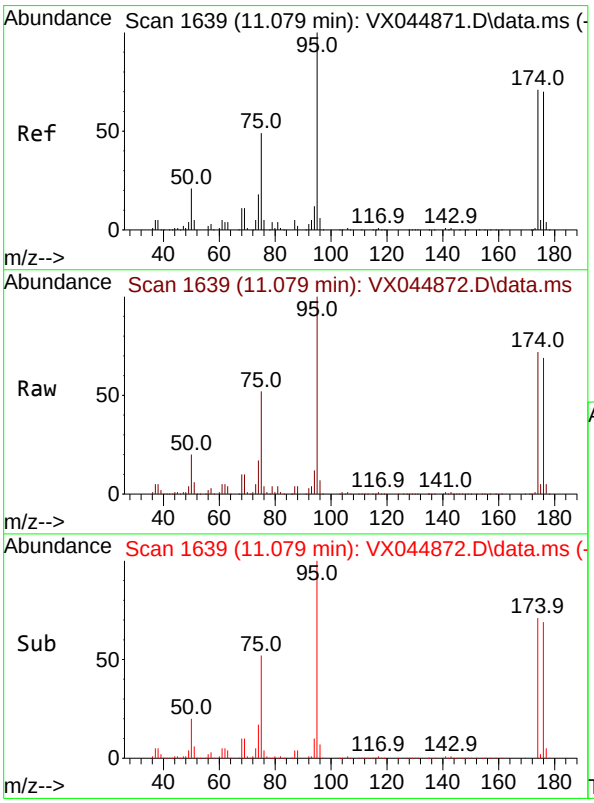
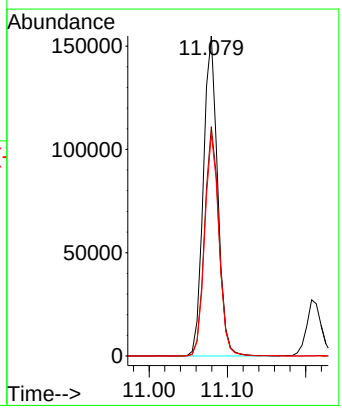


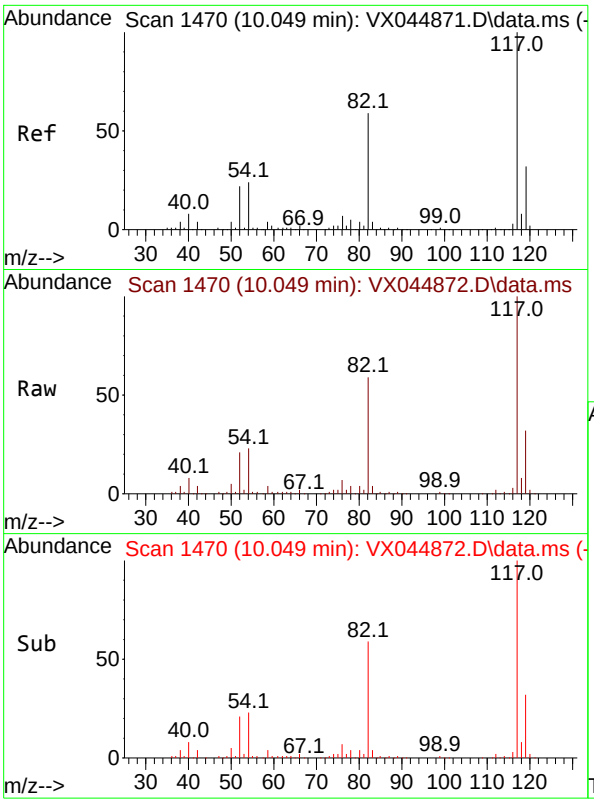


#62
4-Bromofluorobenzene
Concen: 100.079 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 95 Resp: 196066

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	142.6
176	68.8	0.0	141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:117 Resp: 20388

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.5	71.3
119	32.2	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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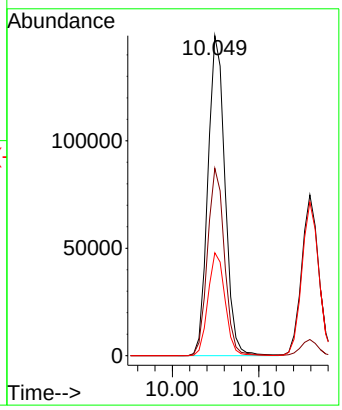
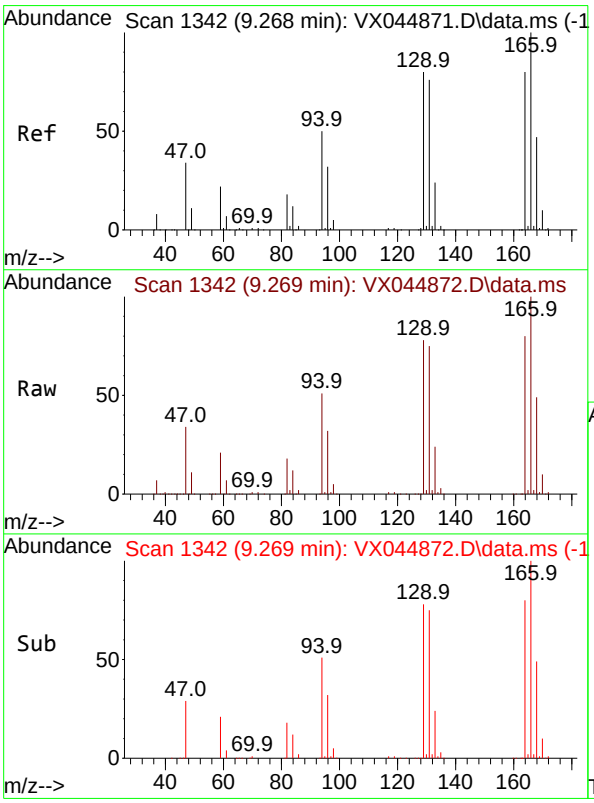
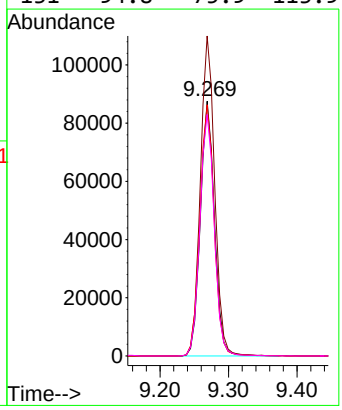


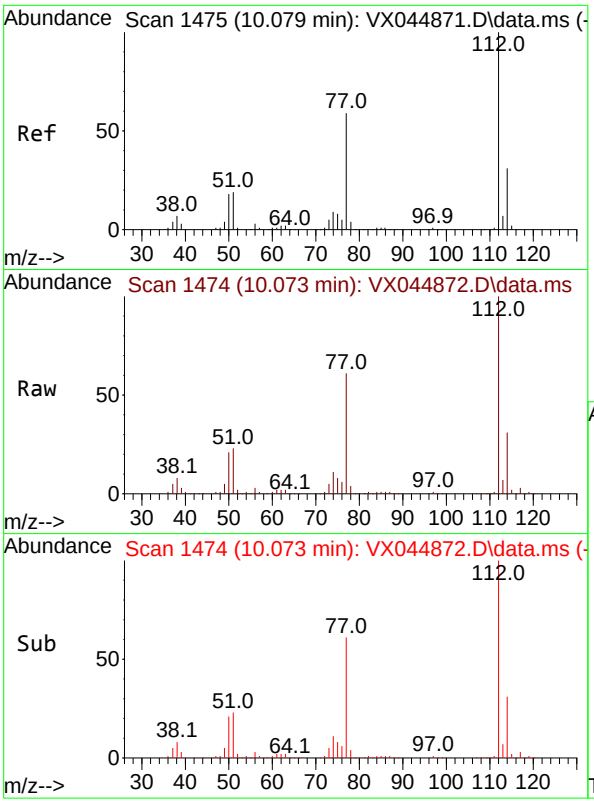


#64
Tetrachloroethene
Concen: 97.447 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:164 Resp: 125294

Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.4	150.6
129	98.6	79.9	119.9
131	94.8	75.9	113.9





#65
Chlorobenzene
Concen: 99.694 ug/l
RT: 10.073 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:112 Resp: 43656

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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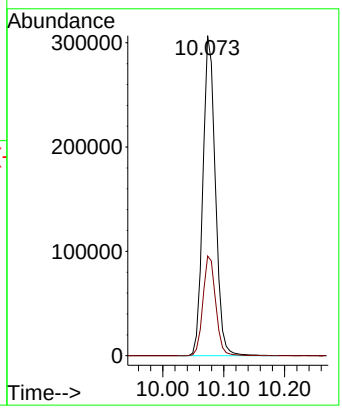
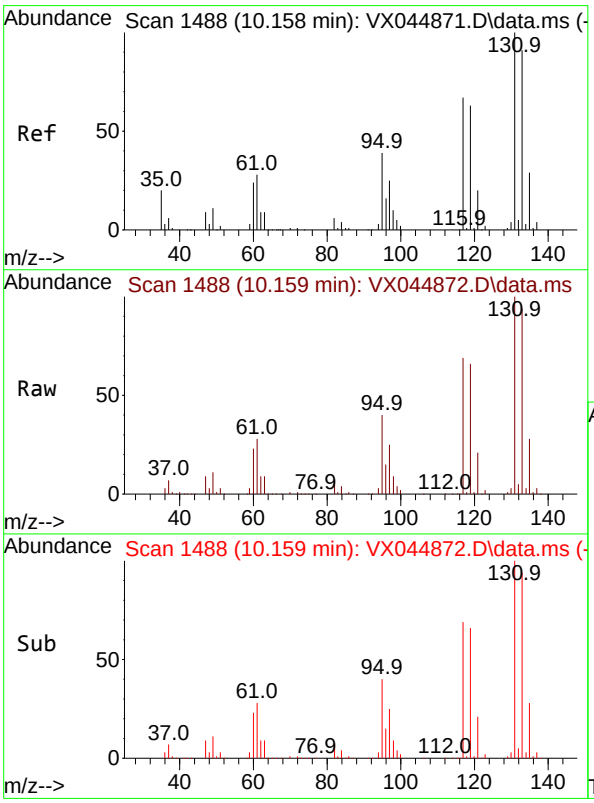
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

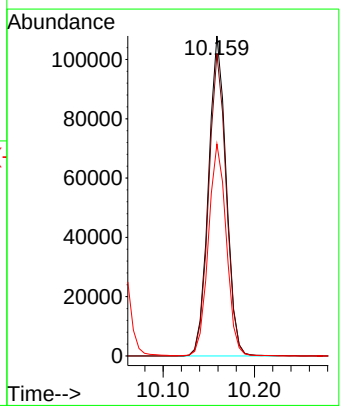


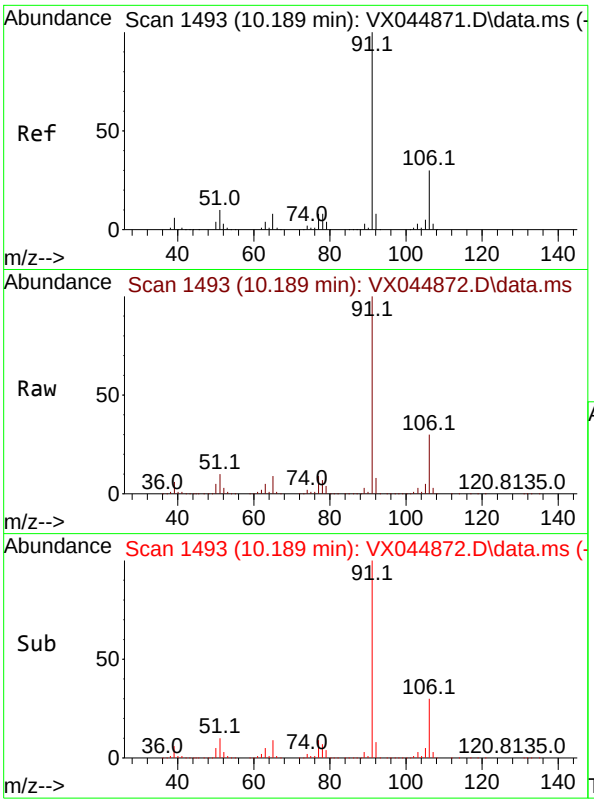


#66
1,1,1,2-Tetrachloroethane
Concen: 102.728 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:131 Resp: 144793

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.1	141.3
119	67.2	33.6	100.6





#67
Ethyl Benzene
Concen: 101.477 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 78418

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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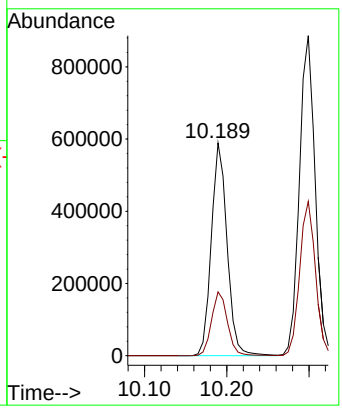
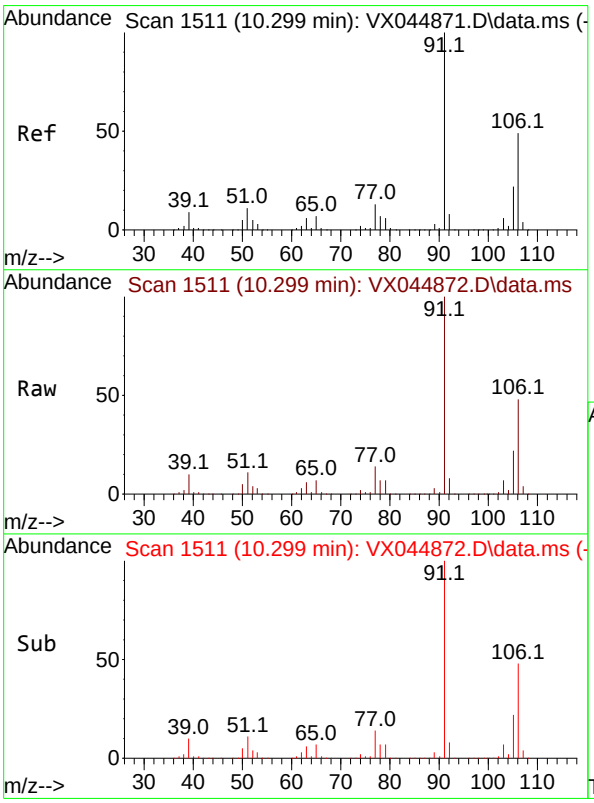
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

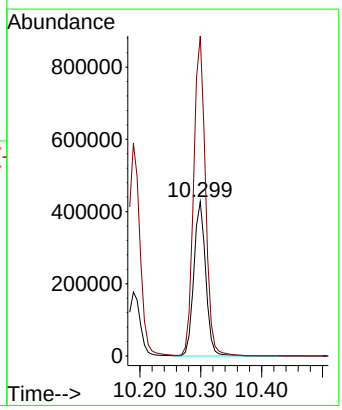


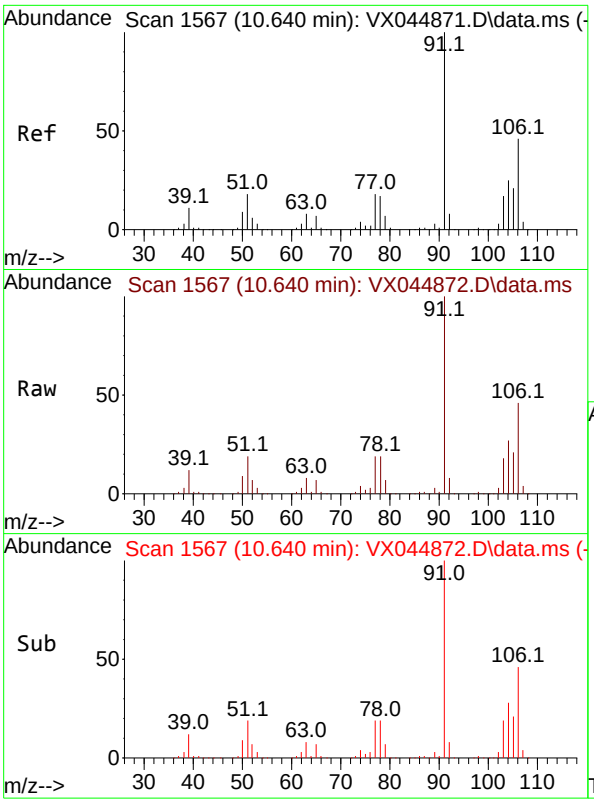


#68
m/p-Xylenes
Concen: 201.907 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:106 Resp: 575559

Ion	Ratio	Lower	Upper
106	100		
91	207.1	164.3	246.5





#69
o-Xylene
Concen: 98.530 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:106 Resp: 28183

Ion	Ratio	Lower	Upper
106	100		
91	217.3	108.5	325.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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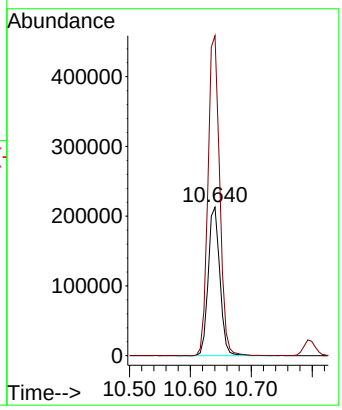
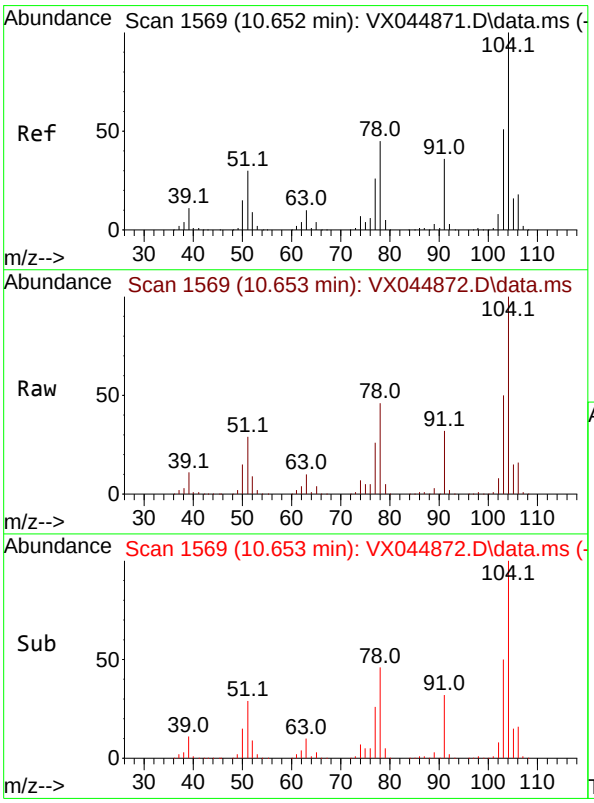
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

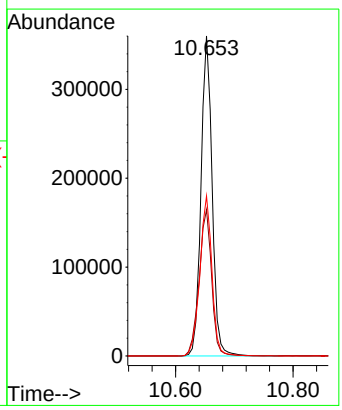


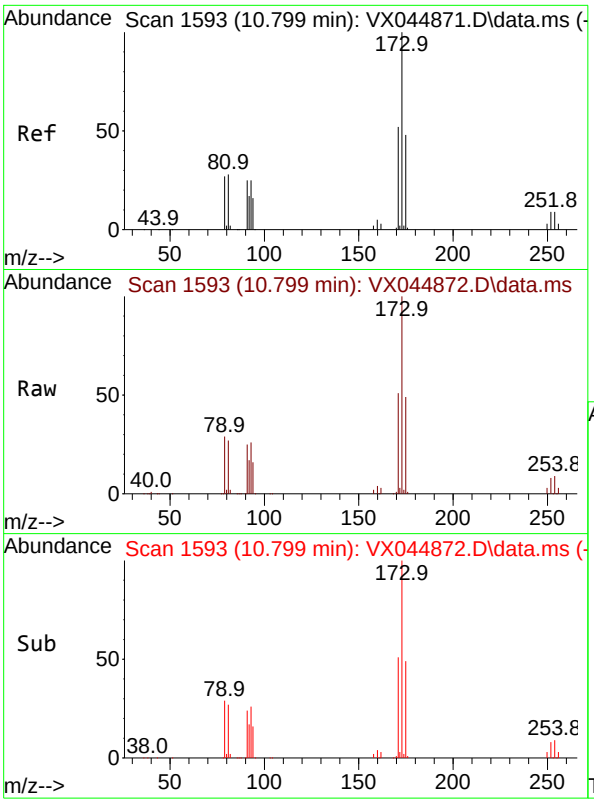


#70
Styrene
Concen: 102.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:104 Resp: 473403

Ion	Ratio	Lower	Upper
104	100		
78	51.5	40.5	60.7
103	54.5	43.6	65.4





#71
Bromoform
Concen: 106.827 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:173 Resp: 11237

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.1	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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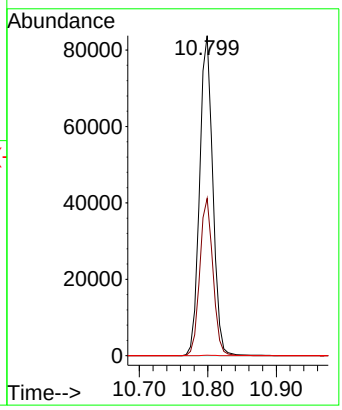
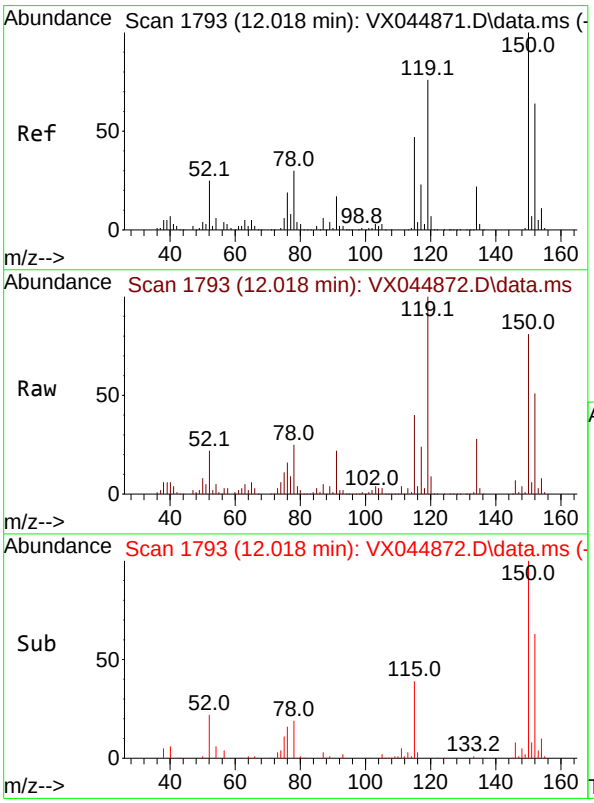
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

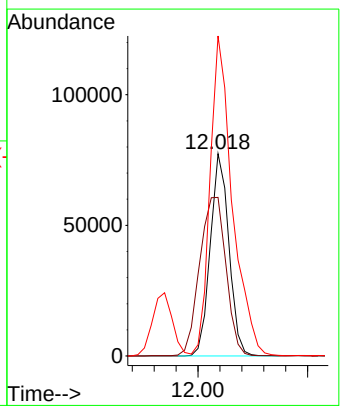


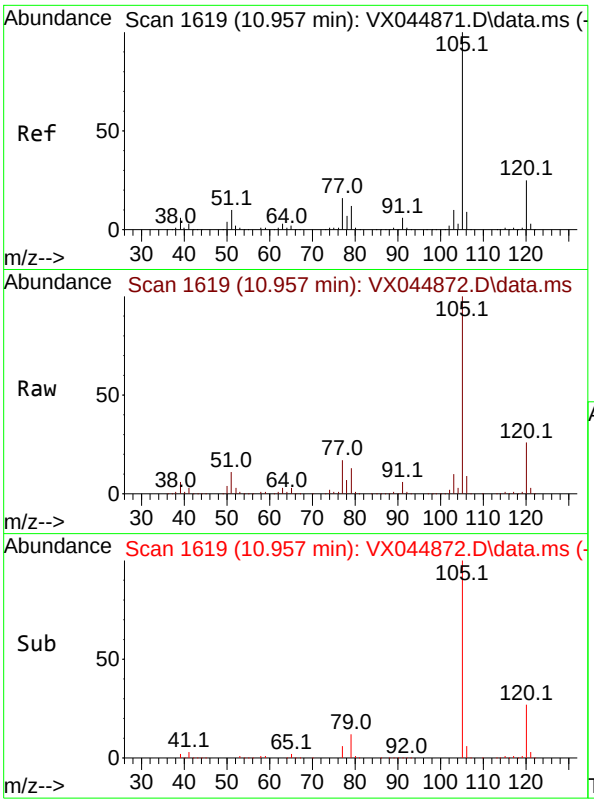


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:152 Resp: 91371

Ion	Ratio	Lower	Upper
152	100		
115	111.2	43.4	130.1
150	189.1	0.0	350.4





#73
Isopropylbenzene
Concen: 97.854 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 71992

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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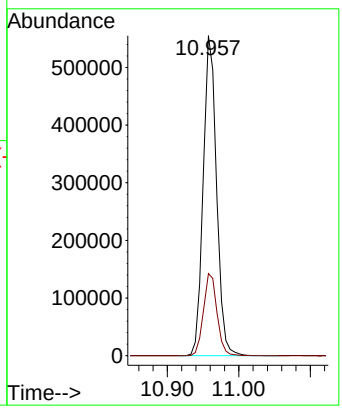
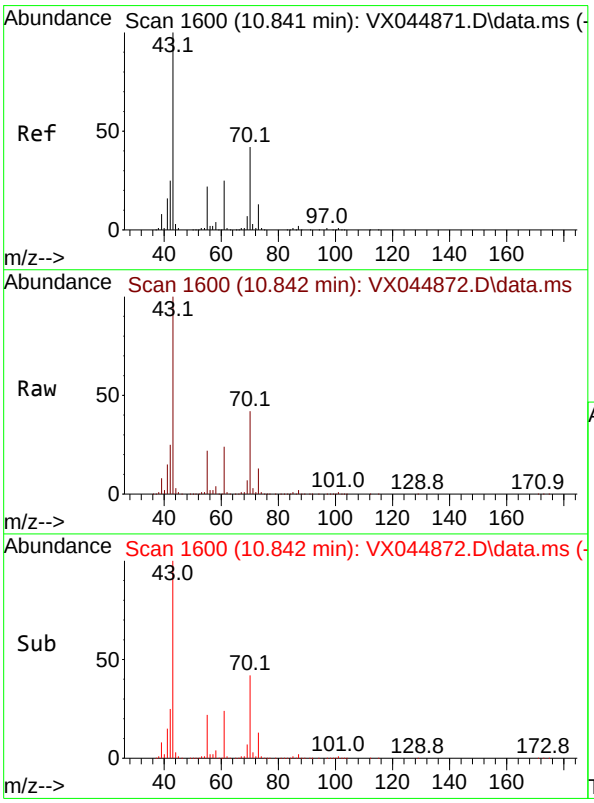
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

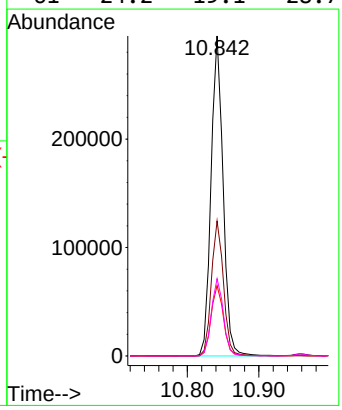


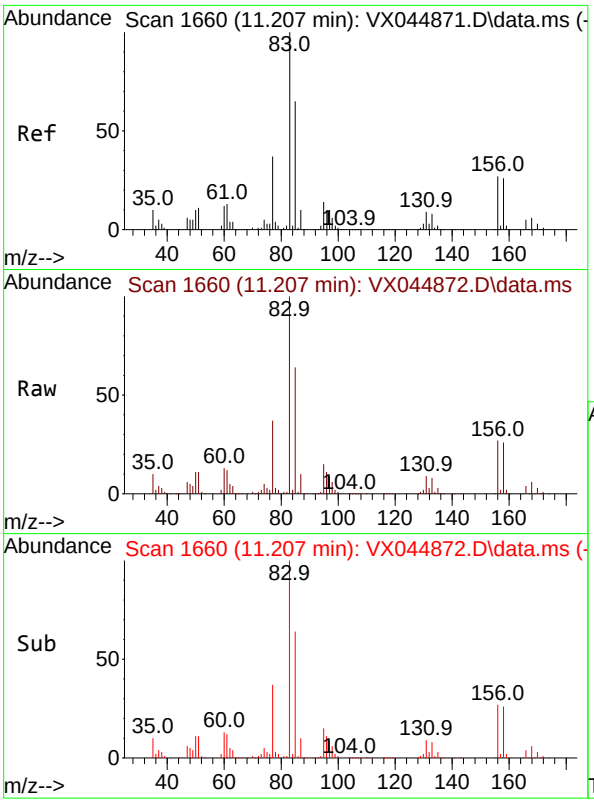


#74
N-amyl acetate
Concen: 103.687 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 345193

Ion	Ratio	Lower	Upper
43	100		
70	42.4	33.7	50.5
55	22.6	18.6	27.8
61	24.2	19.1	28.7





#75
1,1,2,2-Tetrachloroethane
Concen: 94.351 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 83 Resp: 238529

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.5
85	63.9	32.3	96.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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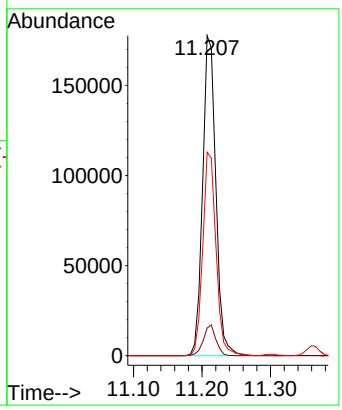
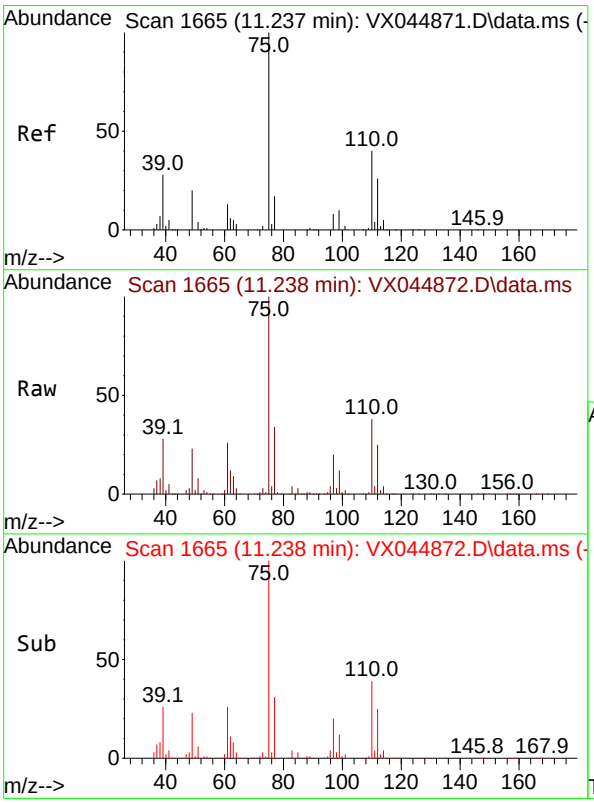
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

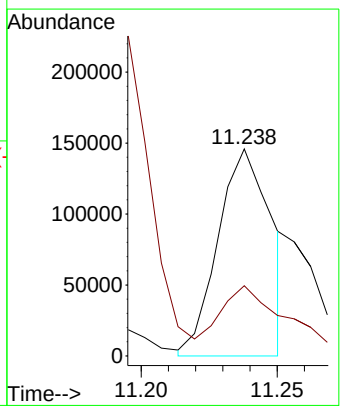


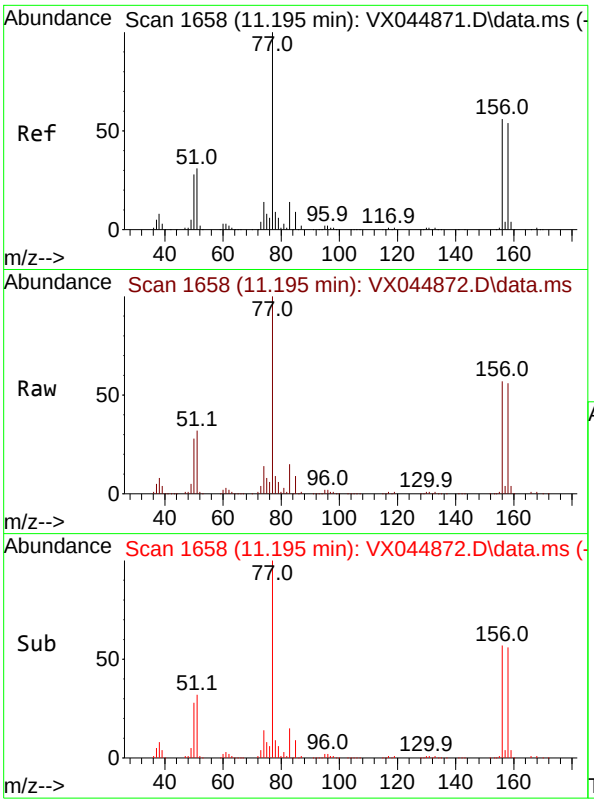


#76
1,2,3-Trichloropropane
Concen: 97.896 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 198320

Ion	Ratio	Lower	Upper
75	100		
77	43.4	21.9	65.7





#77
Bromobenzene
Concen: 98.230 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:156 Resp: 16384

Ion	Ratio	Lower	Upper
156	100		
77	176.7	88.4	265.3
158	95.7	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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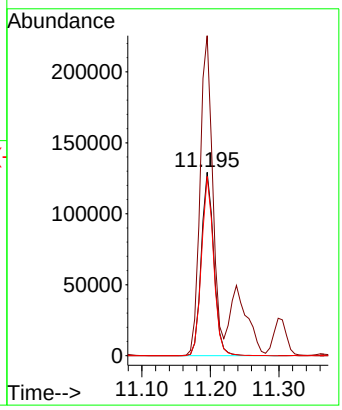
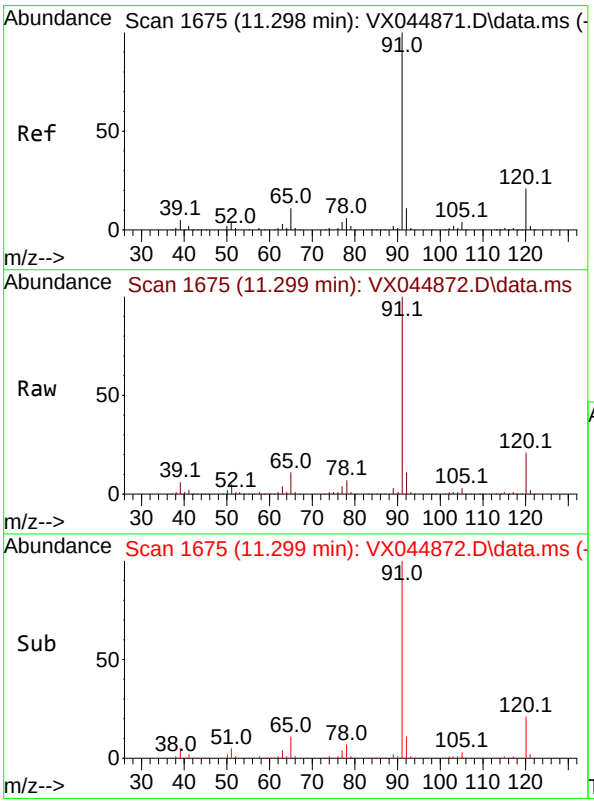
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

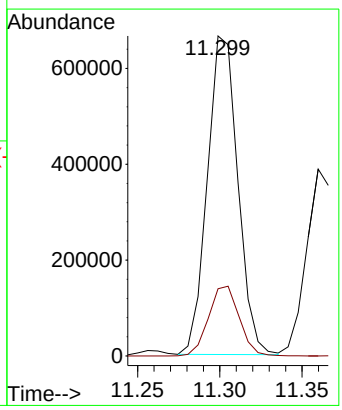


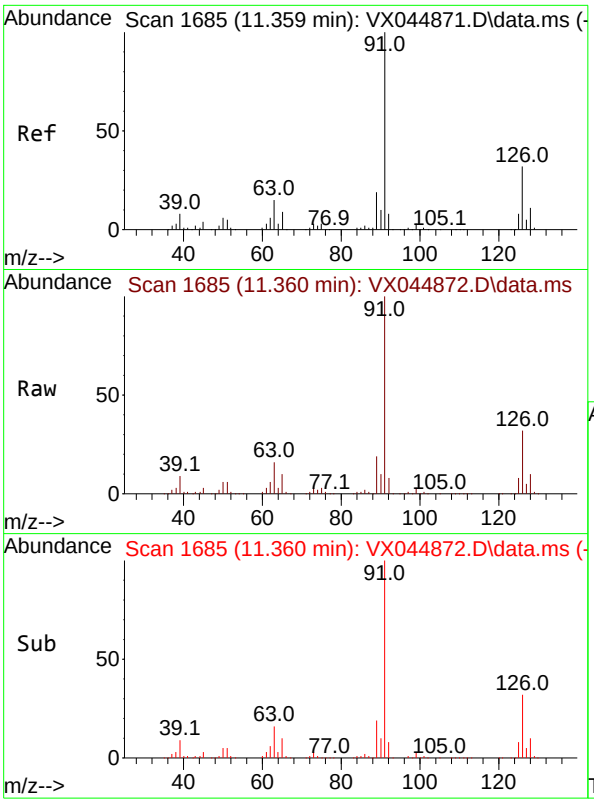


#78
n-propylbenzene
Concen: 101.132 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 858793

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3





#79
2-Chlorotoluene
Concen: 95.257 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 497149

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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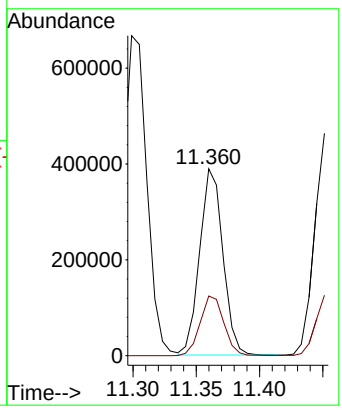
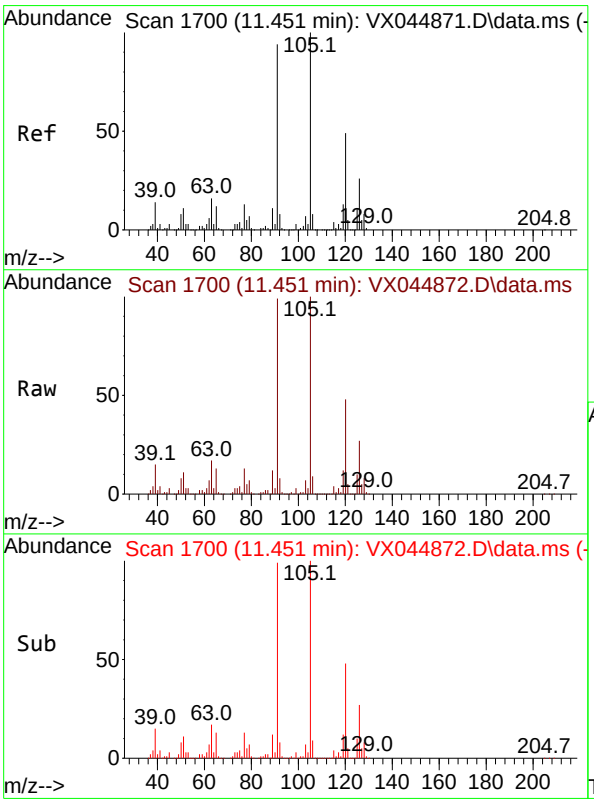
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

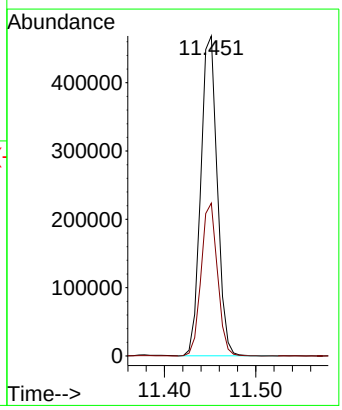


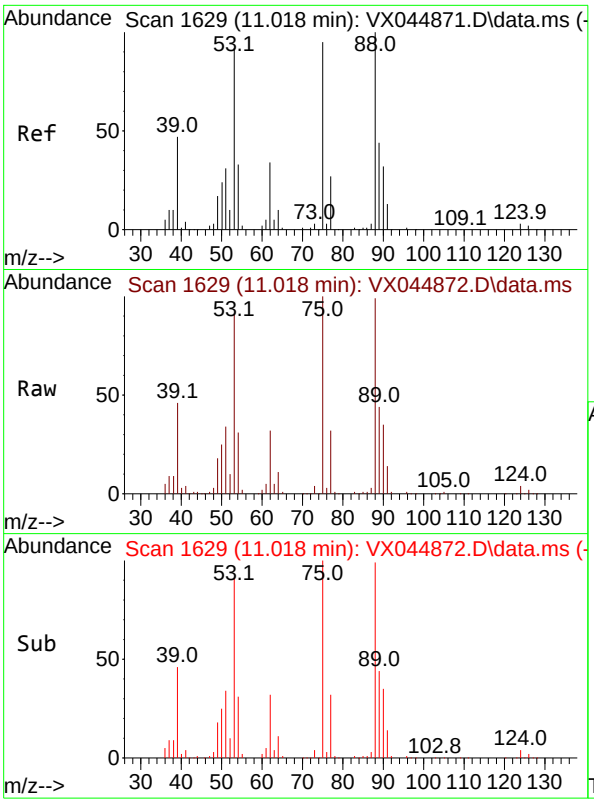


#80
1,3,5-Trimethylbenzene
Concen: 97.966 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 584885

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 106.006 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 8348

Ion	Ratio	Lower	Upper
75	100		
53	95.9	78.0	117.0
89	44.6	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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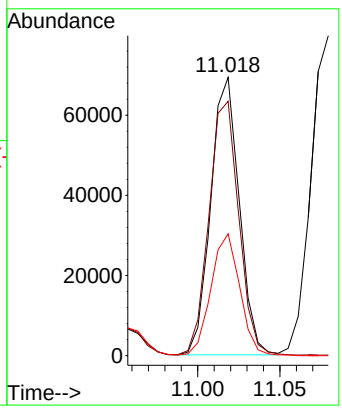
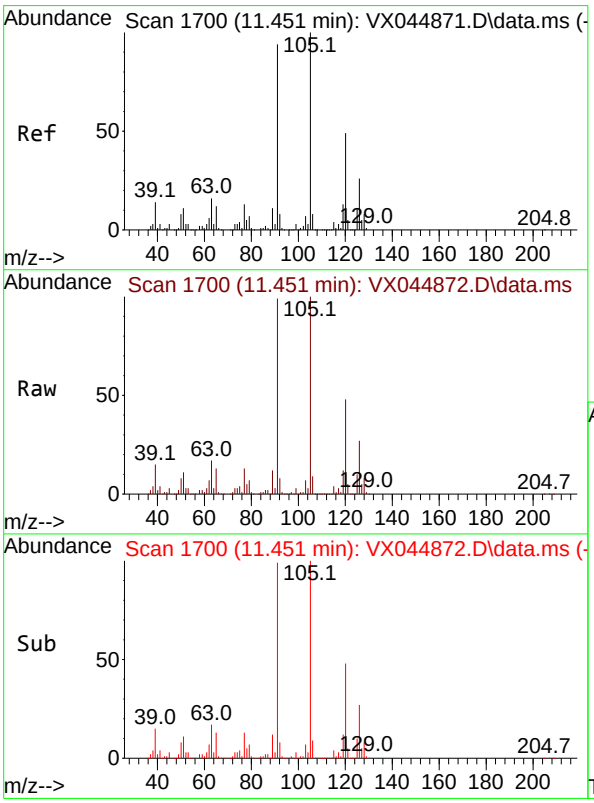
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

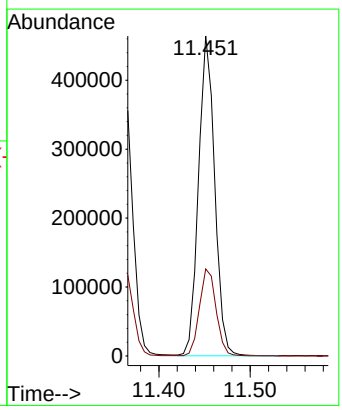


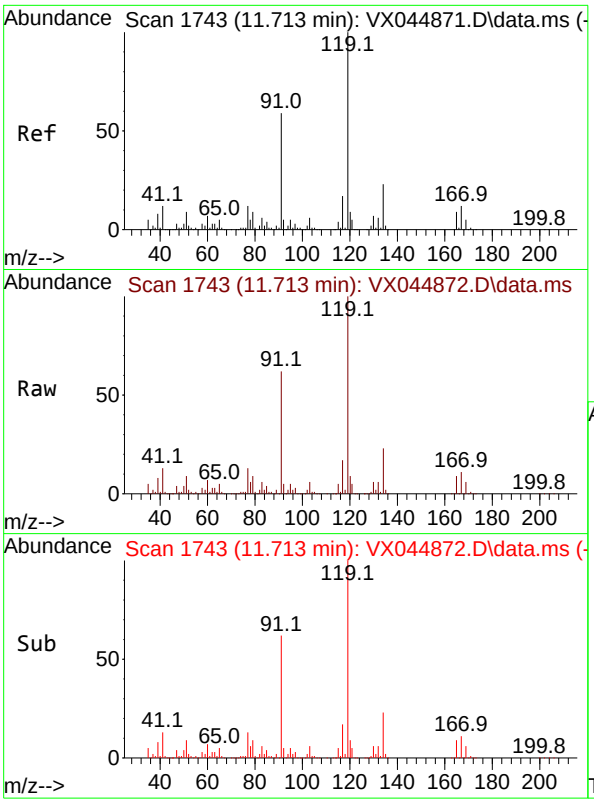


#82
4-Chlorotoluene
Concen: 98.634 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 569510

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.2	42.6





#83
tert-Butylbenzene
Concen: 97.917 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:119 Resp: 59139

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.1	87.4
134	22.6	11.5	34.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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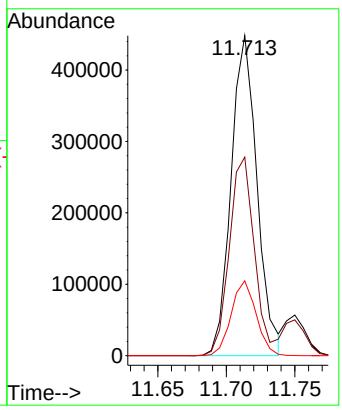
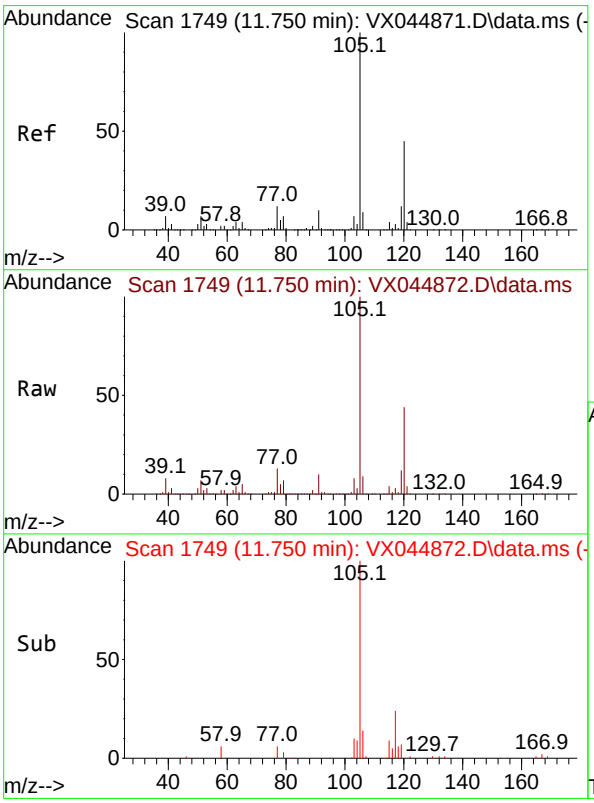
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

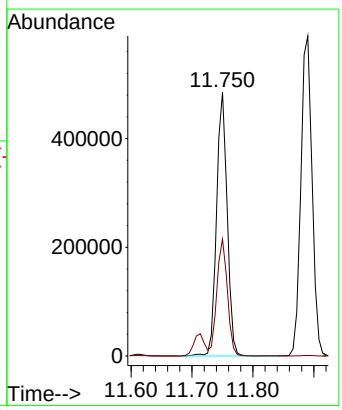


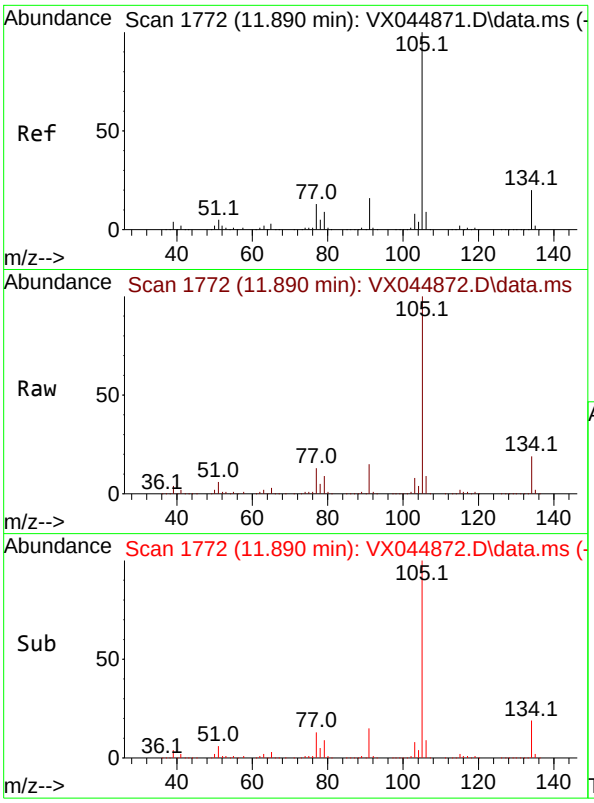


#84
1,2,4-Trimethylbenzene
Concen: 99.851 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 588385

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.4	67.0





#85
sec-Butylbenzene
Concen: 100.219 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

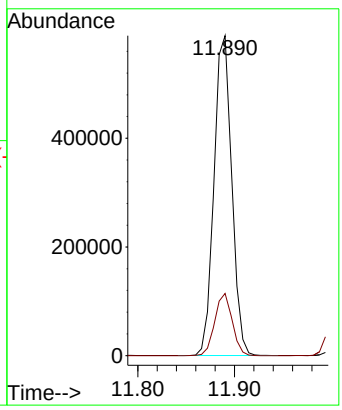
Tgt Ion:105 Resp: 74953

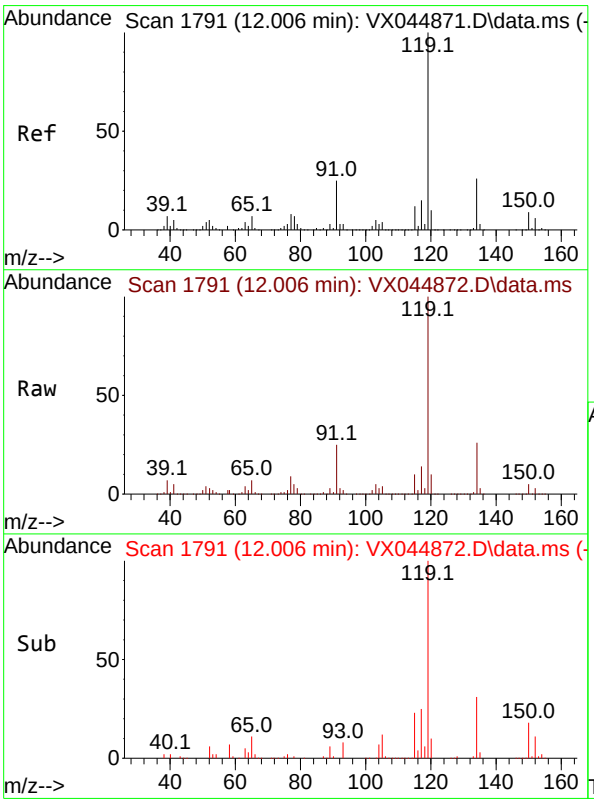
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

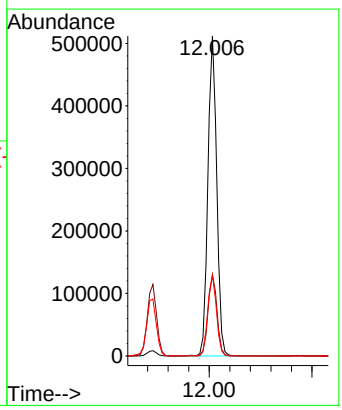


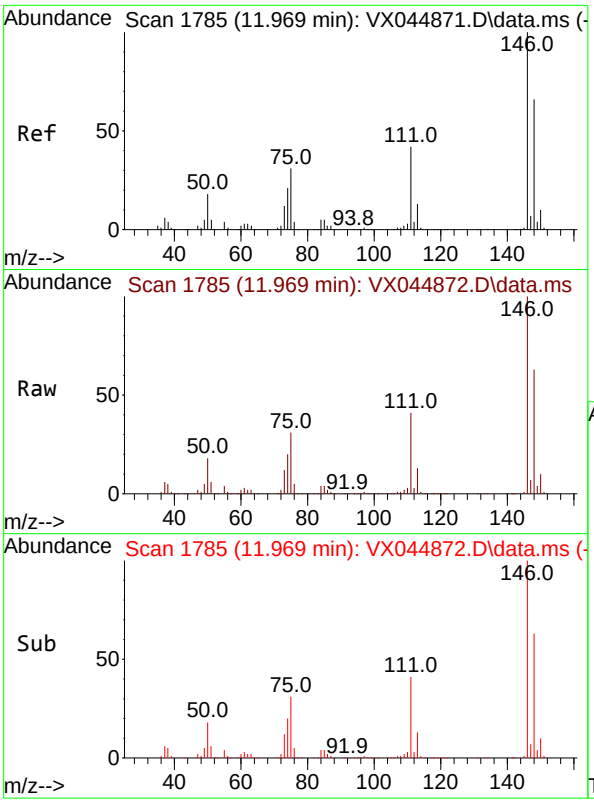


#86
p-Isopropyltoluene
Concen: 101.019 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:119 Resp: 607577

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	25.0	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 99.061 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:146 Resp: 30385

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	63.1	32.5	97.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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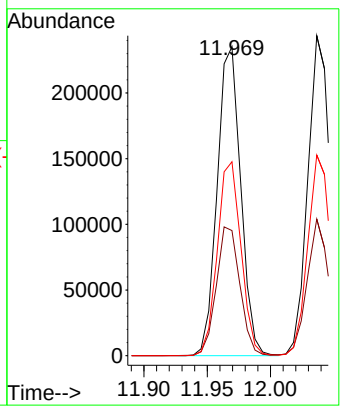
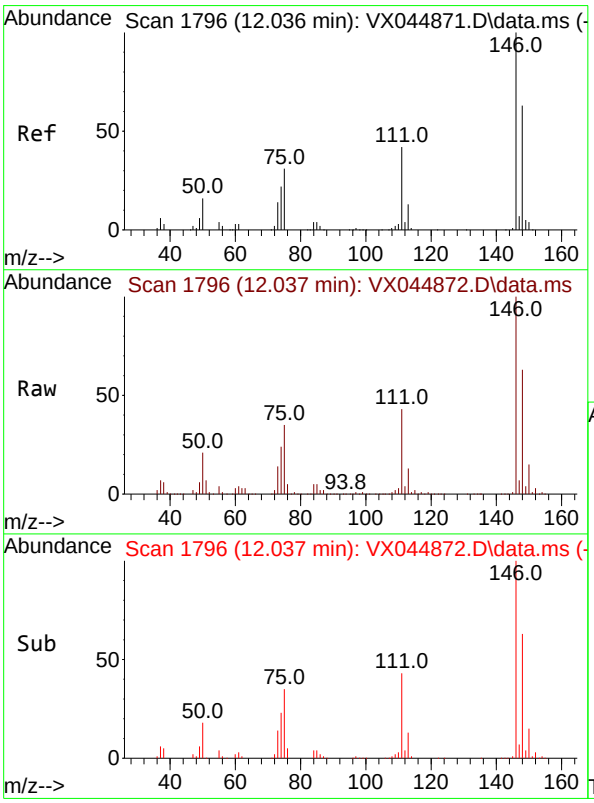
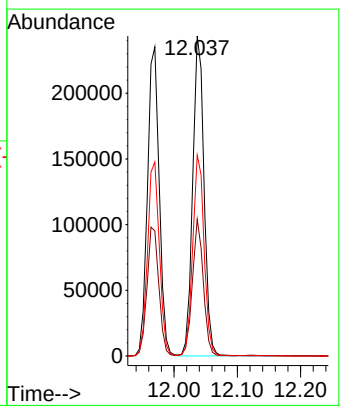


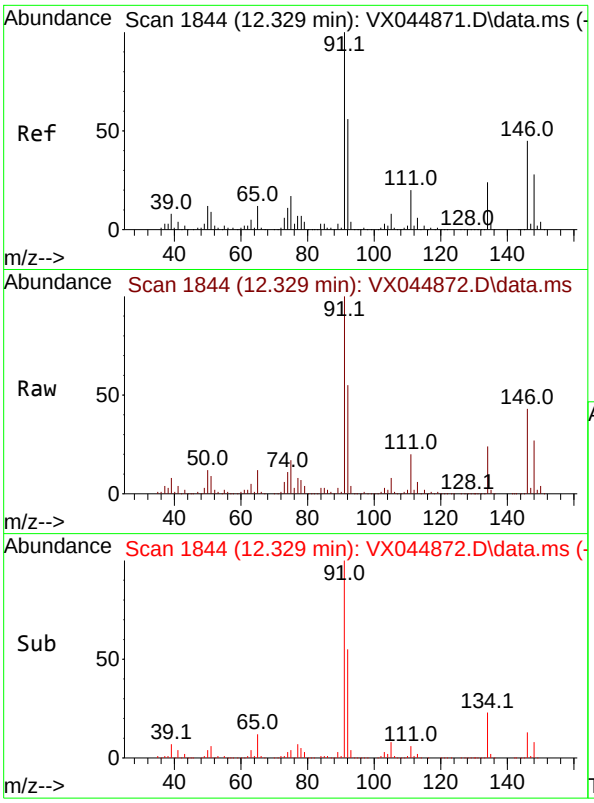


#88
1,4-Dichlorobenzene
Concen: 97.830 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:146 Resp: 303417

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	63.0	32.0	96.0





#89
n-Butylbenzene
Concen: 109.686 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 58363

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	24.0	12.1	36.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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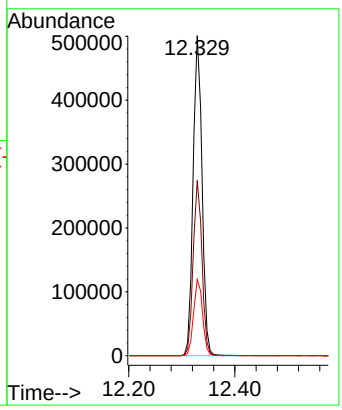
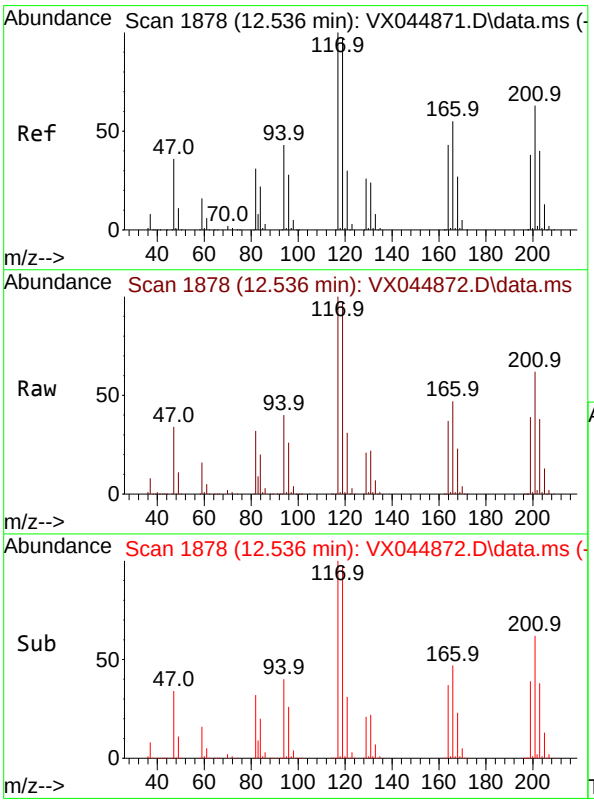
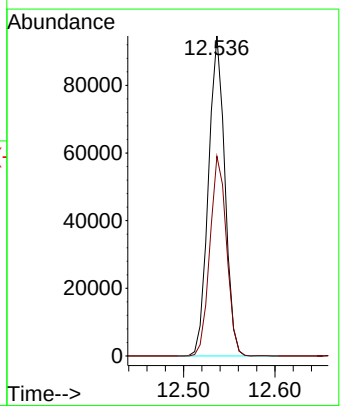


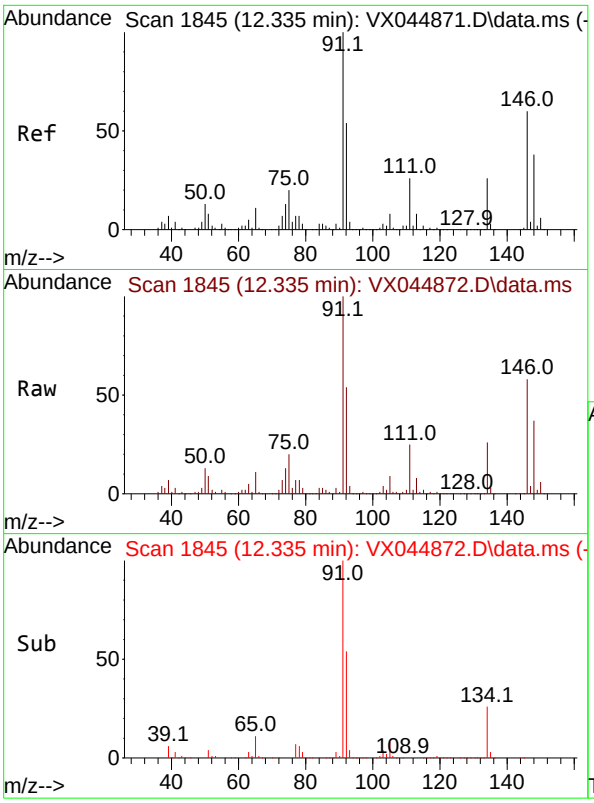


#90
Hexachloroethane
Concen: 104.365 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:117 Resp: 117533

Ion	Ratio	Lower	Upper
117	100		
201	63.4	32.5	97.5





#91
1,2-Dichlorobenzene
Concen: 97.244 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

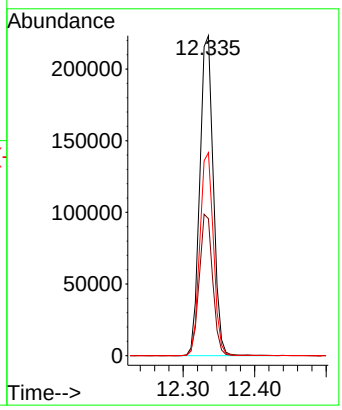
Tgt Ion:146 Resp: 29315

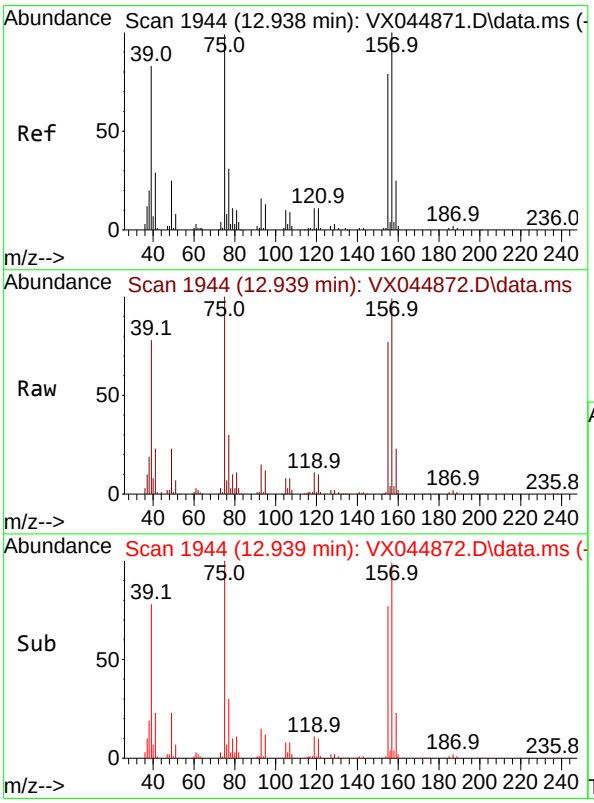
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.9	31.9	95.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

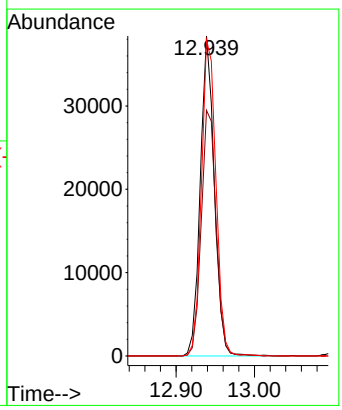


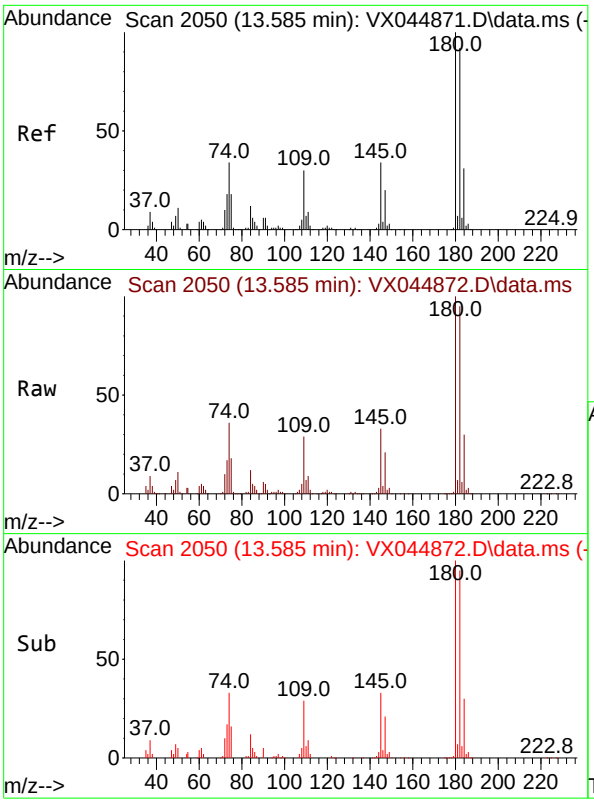


#92
1,2-Dibromo-3-Chloropropane
Concen: 103.477 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 47745

Ion	Ratio	Lower	Upper
75	100		
155	81.0	40.5	121.4
157	102.3	51.4	154.3





#93
1,2,4-Trichlorobenzene
Concen: 105.921 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:180 Resp: 19321

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.8
145	33.2	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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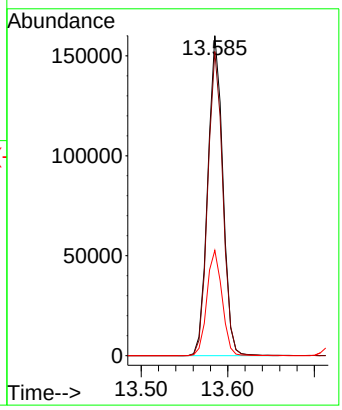
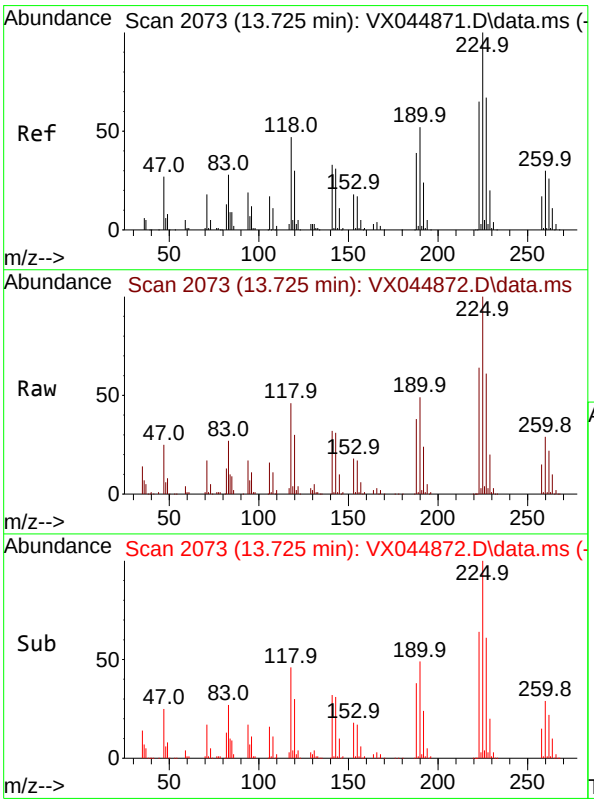
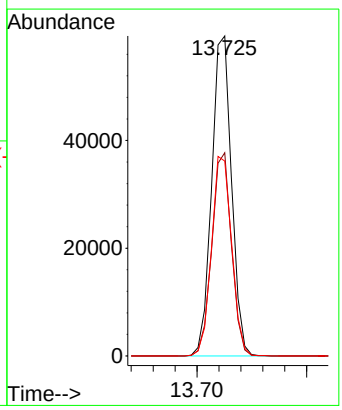


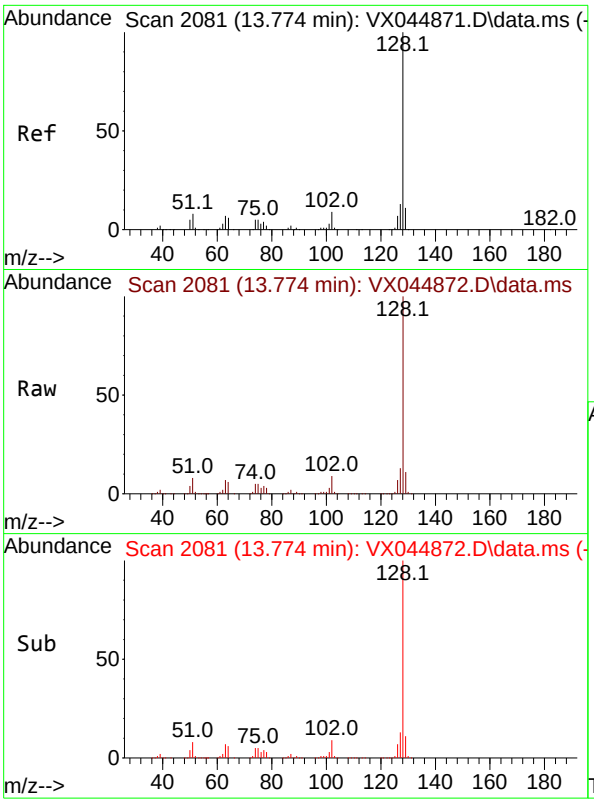


#94
Hexachlorobutadiene
Concen: 103.024 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:225 Resp: 74605

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.2
227	63.5	32.3	96.8





#95
Naphthalene
Concen: 104.505 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

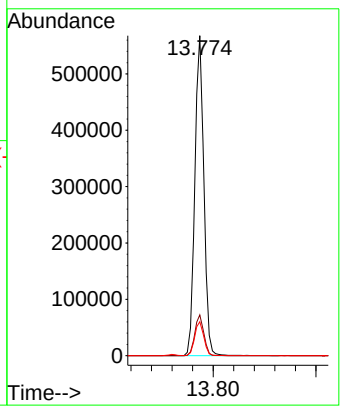
Tgt Ion:128 Resp: 68910

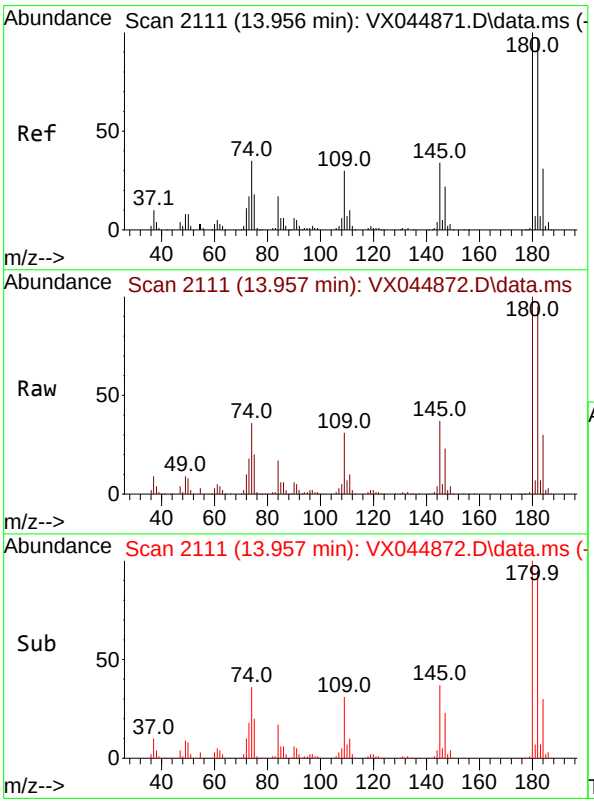
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.7	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

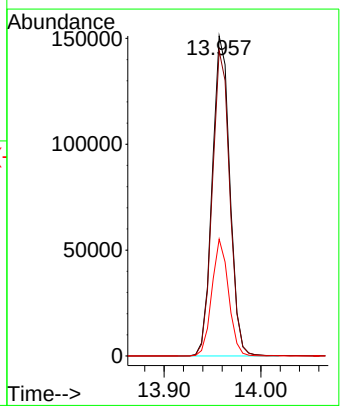




#96
1,2,3-Trichlorobenzene
Concen: 103.659 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:180 Resp: 190534

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.6
145	34.6	17.1	51.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	125253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84836	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	280853	153.180	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 306.360%#			
35) Dibromofluoromethane	5.379	113	229218	151.572	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 303.140%#			
50) Toluene-d8	8.647	98	845632	147.877	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.760%#			
62) 4-Bromofluorobenzene	11.079	95	287486	149.124	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 298.240%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	260576	148.330	ug/l	96
3) Chloromethane	1.307	50	297968	139.361	ug/l	100
4) Vinyl Chloride	1.374	62	305986	147.723	ug/l	99
5) Bromomethane	1.593	94	92399	149.071	ug/l	96
6) Chloroethane	1.660	64	67889	130.289	ug/l	97
7) Trichlorofluoromethane	1.867	101	378664	144.558	ug/l	99
8) Diethyl Ether	2.136	74	140428	147.822	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	239215	151.147	ug/l	100
10) Methyl Iodide	2.441	142	305390	148.887	ug/l	100
11) Tert butyl alcohol	3.020	59	242430	712.734	ug/l	100
12) 1,1-Dichloroethene	2.306	96	246987	152.989	ug/l	99
13) Acrolein	2.239	56	273178	778.418	ug/l	100
14) Allyl chloride	2.654	41	438493	150.289	ug/l	97
15) Acrylonitrile	3.068	53	684234	753.423	ug/l	99
16) Acetone	2.386	43	547939	743.398	ug/l	99
17) Carbon Disulfide	2.502	76	693558	156.665	ug/l	100
18) Methyl Acetate	2.703	43	373877	160.743	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	792810	154.347	ug/l	100
20) Methylene Chloride	2.782	84	270575	149.871	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	242082	152.356	ug/l	93
22) Diisopropyl ether	3.757	45	839126	152.020	ug/l	98
23) Vinyl Acetate	3.721	43	3555031	789.993	ug/l	100
24) 1,1-Dichloroethane	3.605	63	472424	152.959	ug/l	99
25) 2-Butanone	4.556	43	914741	764.276	ug/l	98
26) 2,2-Dichloropropane	4.471	77	382167	156.029	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	292864	153.446	ug/l	99
28) Bromochloromethane	4.891	49	217387	146.458	ug/l	98
29) Tetrahydrofuran	5.001	42	596045	749.977	ug/l	99
30) Chloroform	5.086	83	453809	151.509	ug/l	99
31) Cyclohexane	5.458	56	423464	148.722	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	386162	151.996	ug/l	99
36) 1,1-Dichloropropene	5.684	75	324182	148.585	ug/l	100
37) Ethyl Acetate	4.715	43	368763	151.956	ug/l	99
38) Carbon Tetrachloride	5.672	117	320536	149.921	ug/l	98
39) Methylcyclohexane	7.373	83	443218	157.130	ug/l	99
40) Benzene	6.031	78	1014129	148.856	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	206155	158.707 ug/l	100
42) 1,2-Dichloroethane	6.080	62	336520	154.984 ug/l	99
43) Isopropyl Acetate	6.336	43	617516	157.575 ug/l	99
44) Trichloroethene	7.117	130	239030	153.496 ug/l	99
45) 1,2-Dichloropropane	7.427	63	259454	153.076 ug/l	100
46) Dibromomethane	7.574	93	179689	152.870 ug/l	99
47) Bromodichloromethane	7.818	83	357623	157.128 ug/l	98
48) Methyl methacrylate	7.690	41	297931	161.236 ug/l	99
49) 1,4-Dioxane	7.665	88	106175	2678.192 ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1736538	728.887 ug/l	100
52) Toluene	8.714	92	603113	148.645 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	378639	164.398 ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	417724	162.667 ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	229548	147.172 ug/l	98
56) Ethyl methacrylate	9.116	69	398535	158.205 ug/l	99
57) 1,3-Dichloropropane	9.305	76	403665	147.915 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	982120	794.010 ug/l	100
59) 2-Hexanone	9.433	43	1264470	736.622 ug/l	99
60) Dibromochloromethane	9.519	129	258320	154.862 ug/l	99
61) 1,2-Dibromoethane	9.604	107	240539	152.157 ug/l	99
64) Tetrachloroethene	9.269	164	184990	149.155 ug/l	96
65) Chlorobenzene	10.073	112	634550	150.224 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	212441	156.255 ug/l	99
67) Ethyl Benzene	10.189	91	1137842	152.647 ug/l	100
68) m/p-Xylenes	10.299	106	818971	297.841 ug/l	98
69) o-Xylene	10.640	106	401928	145.674 ug/l	99
70) Styrene	10.653	104	671843	151.140 ug/l	98
71) Bromoform	10.799	173	169481	167.033 ug/l #	98
73) Isopropylbenzene	10.957	105	1037402	151.869 ug/l	99
74) N-amyl acetate	10.841	43	521962	168.861 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	346013	147.409 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	284934m	151.485 ug/l	
77) Bromobenzene	11.195	156	234957	151.715 ug/l	99
78) n-propylbenzene	11.305	91	1231079	156.140 ug/l	99
79) 2-Chlorotoluene	11.360	91	717766	148.123 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	822707	148.415 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	126660	173.221 ug/l	98
82) 4-Chlorotoluene	11.451	91	818099	152.602 ug/l	99
83) tert-Butylbenzene	11.713	119	838979	149.610 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	838584	153.274 ug/l	99
85) sec-Butylbenzene	11.890	105	1061101	152.806 ug/l	100
86) p-Isopropyltoluene	12.006	119	865491	154.987 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	433384	152.175 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	432987	150.362 ug/l	100
89) n-Butylbenzene	12.329	91	827359	167.469 ug/l	100
90) Hexachloroethane	12.536	117	175414	167.760 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	417167	149.042 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	73593	171.783 ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	283004	167.095 ug/l	98
94) Hexachlorobutadiene	13.725	225	104674	155.682 ug/l	97
95) Naphthalene	13.774	128	1015801	165.916 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	282289	165.408 ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

Quantitation Report (QT Reviewed)

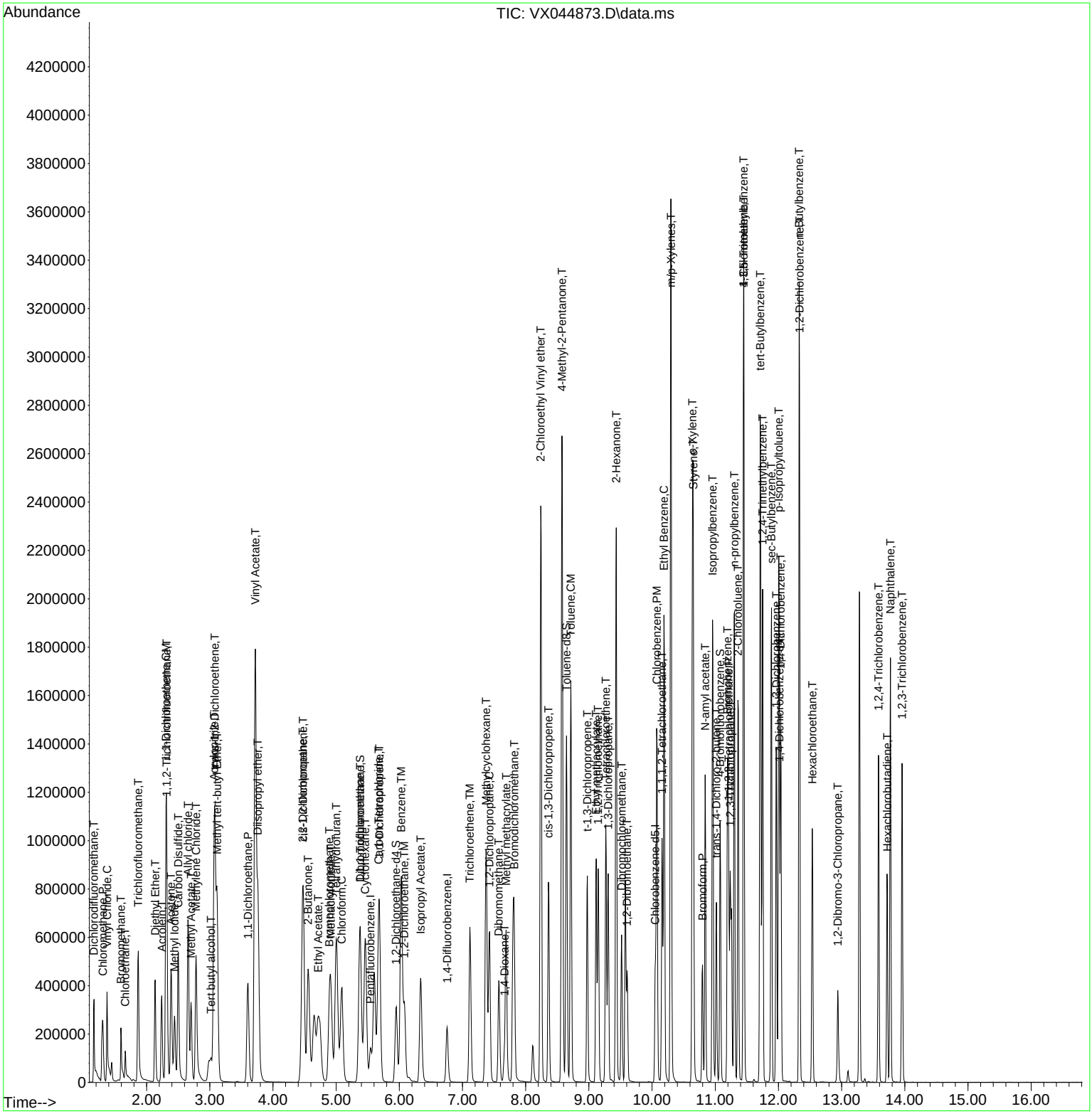
ICAL Form

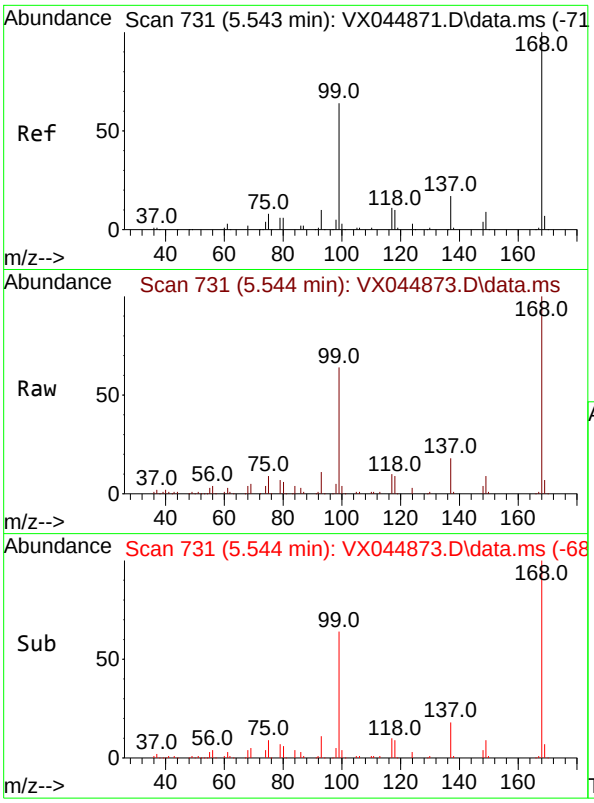
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

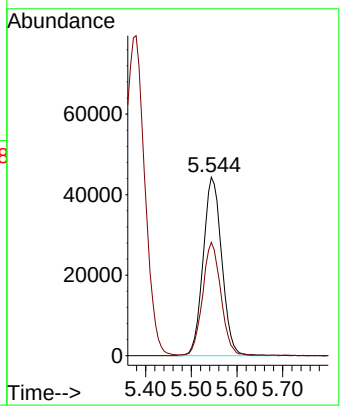
Tgt Ion:168 Resp: 12525

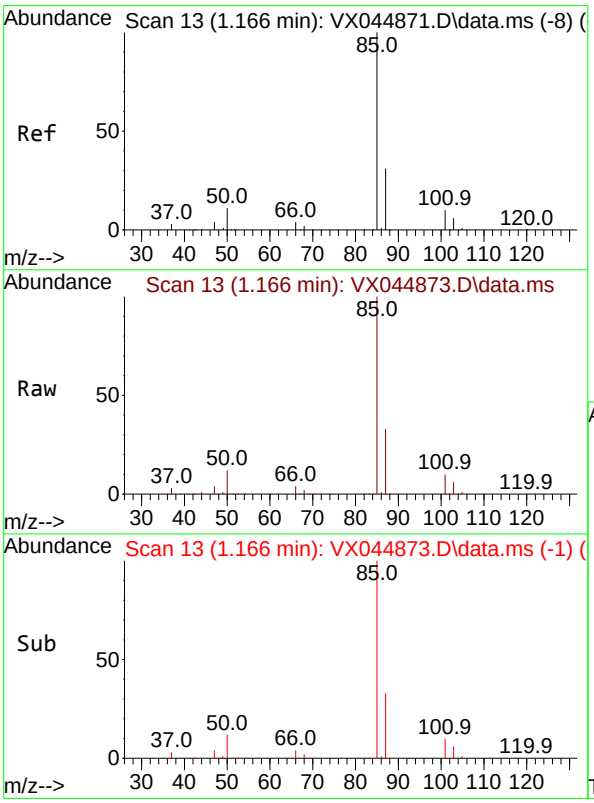
Ion	Ratio	Lower	Upper
168	100		
99	63.2	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

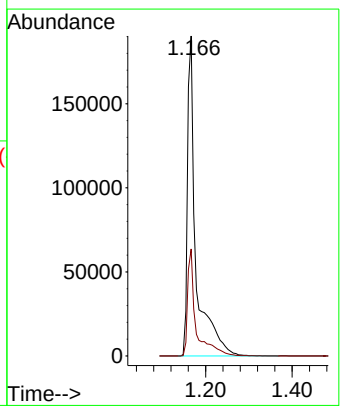


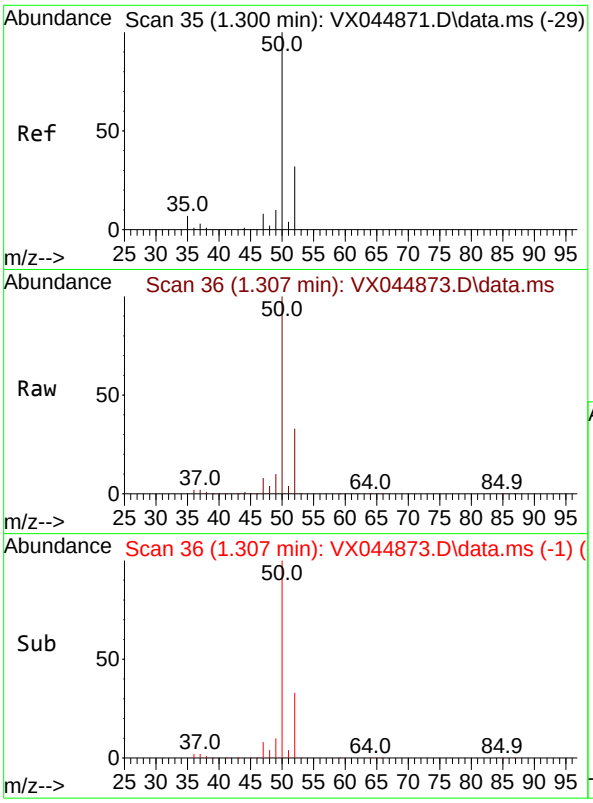


#2
Dichlorodifluoromethane
Concen: 148.330 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 85 Resp: 260576

Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.8	47.3





#3
Chloromethane
Concen: 139.361 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

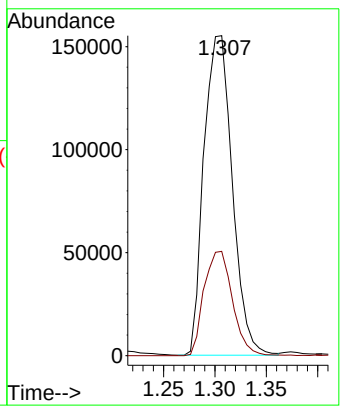
Tgt Ion: 50 Resp: 29796

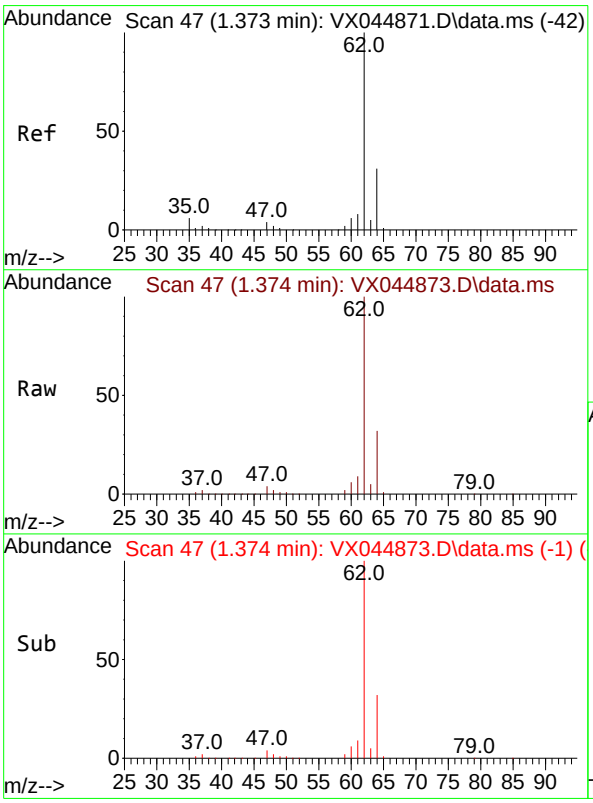
Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

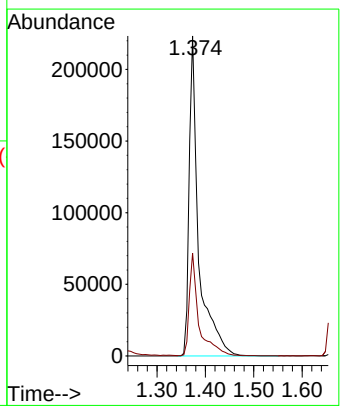


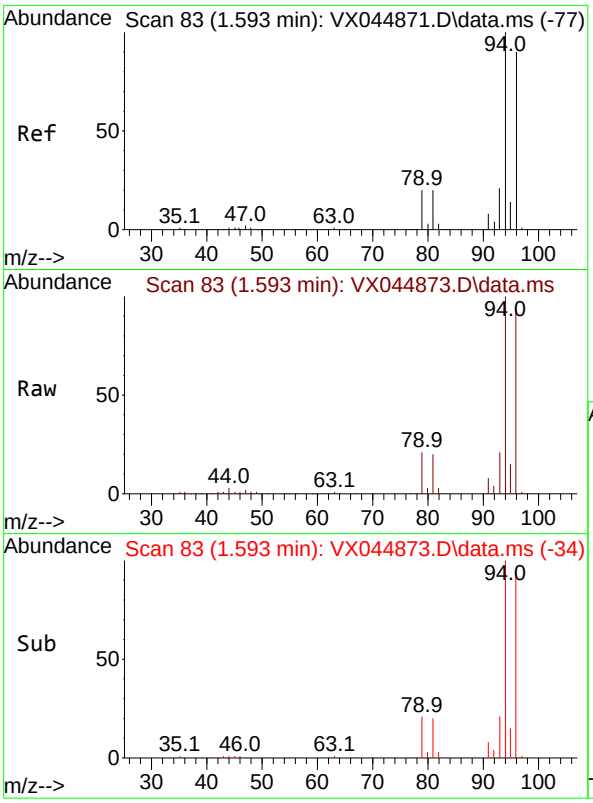


#4
Vinyl Chloride
Concen: 147.723 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 305986

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.4	38.0





#5
Bromomethane
Concen: 149.071 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

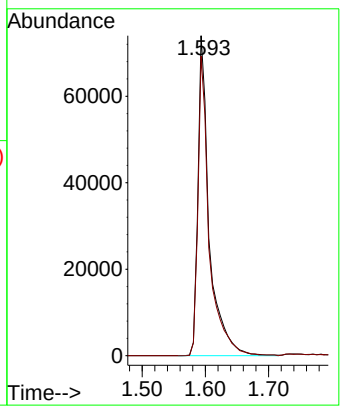
Tgt Ion: 94 Resp: 92399

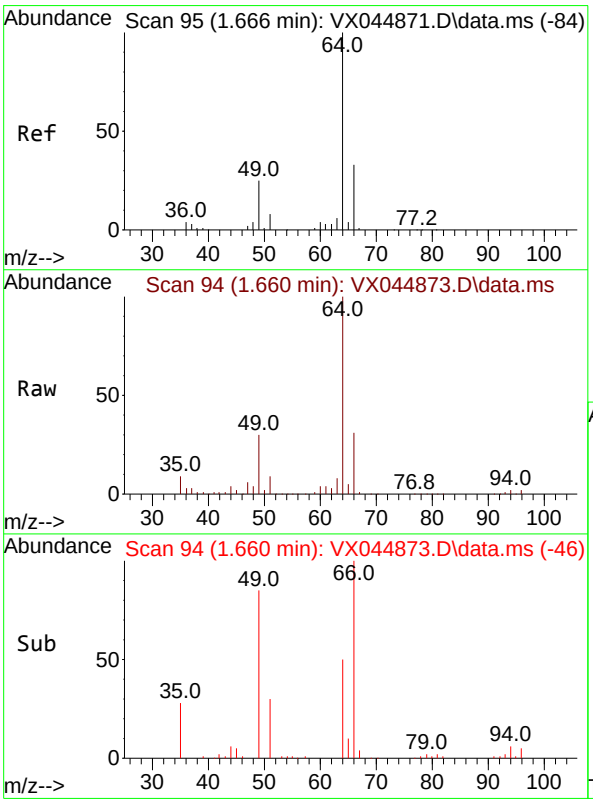
Ion	Ratio	Lower	Upper
94	100		
96	93.6	71.6	107.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

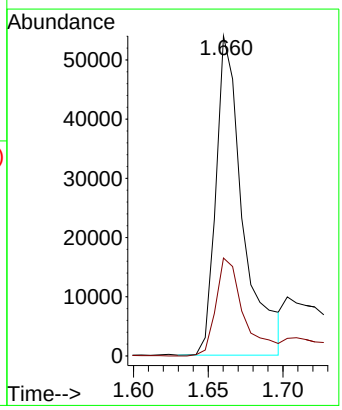


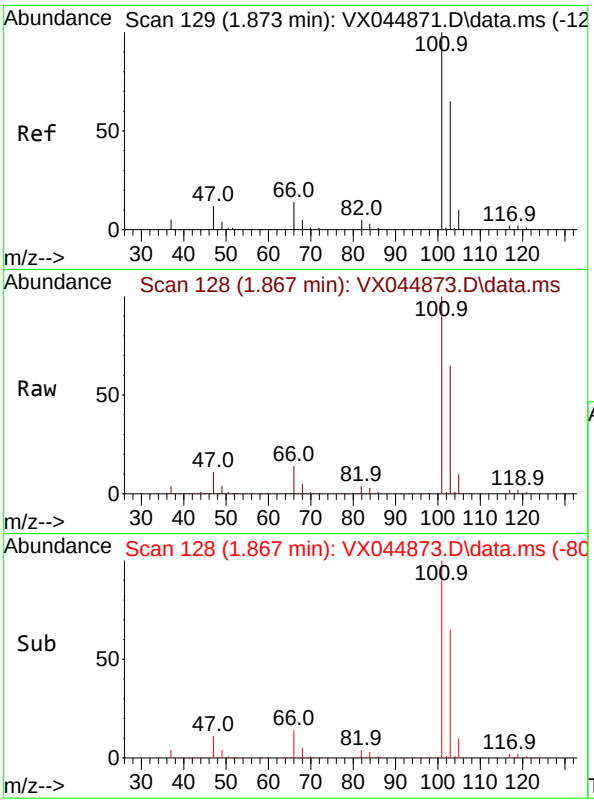


#6
Chloroethane
Concen: 130.289 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 64 Resp: 67889

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.9	38.9





#7
Trichlorofluoromethane
Concen: 144.558 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

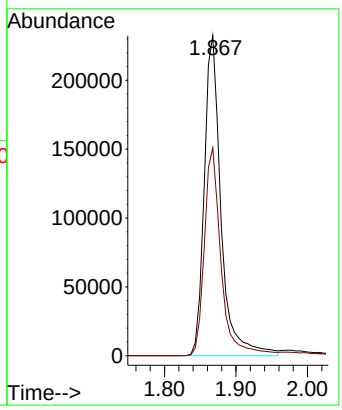
Tgt Ion:101 Resp: 37866

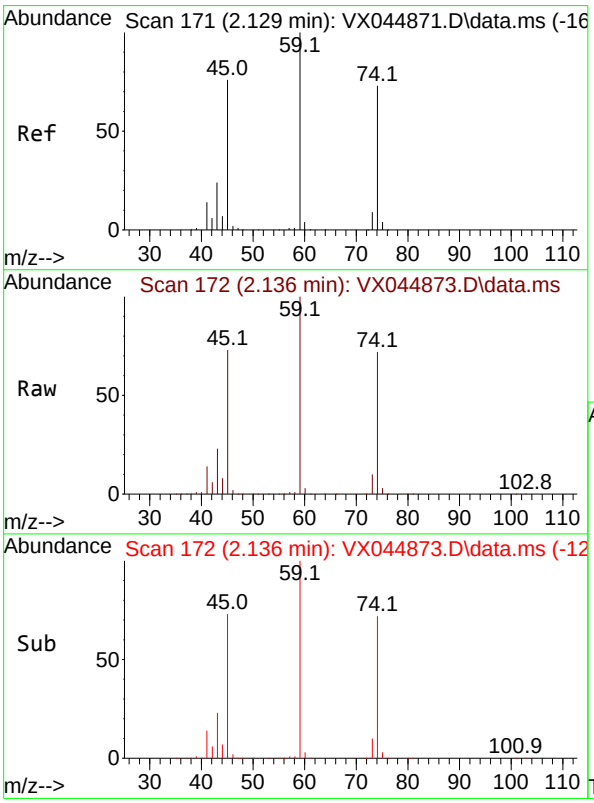
Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.4	78.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

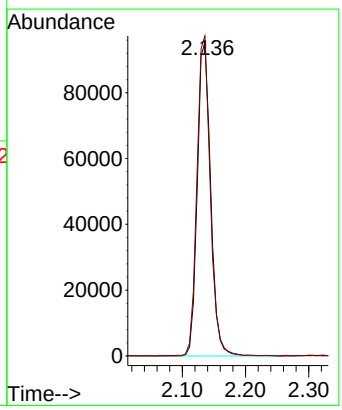


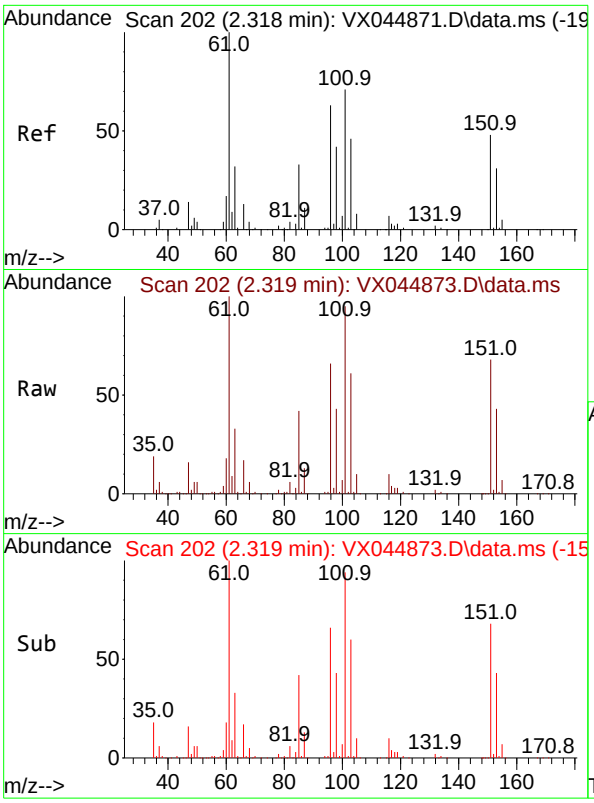


#8
Diethyl Ether
Concen: 147.822 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 74 Resp: 140428

Ion	Ratio	Lower	Upper
74	100		
45	102.1	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.147 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

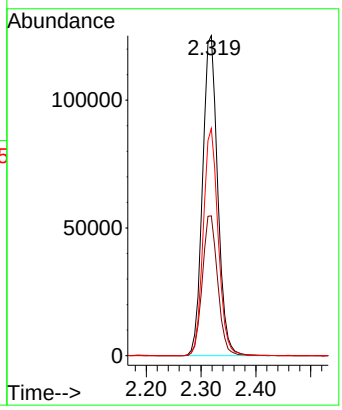
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

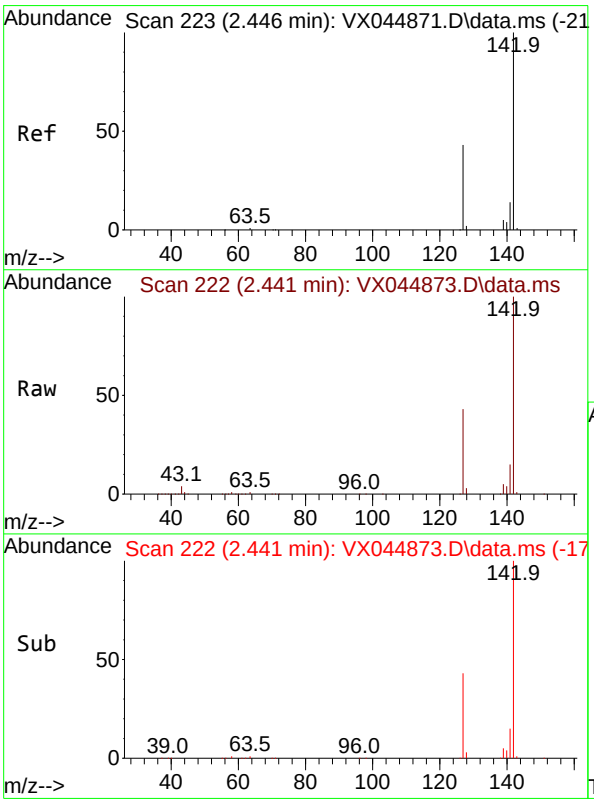
Tgt Ion:101 Resp: 23921!

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.7	53.5
151	70.2	56.0	84.0

Manual Integrations
APPROVED

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

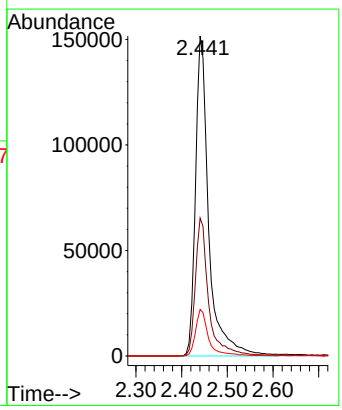


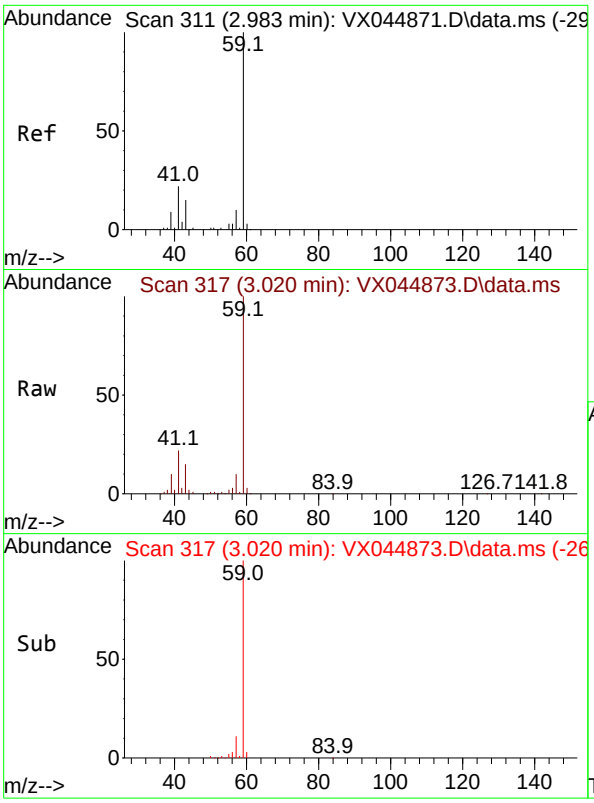


#10
Methyl Iodide
Concen: 148.887 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:142 Resp: 305390

Ion	Ratio	Lower	Upper
142	100		
127	43.1	34.3	51.5
141	14.4	11.4	17.2





#11
Tert butyl alcohol
Concen: 712.734 ug/l
RT: 3.020 min Scan# 3
Delta R.T. 0.037 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

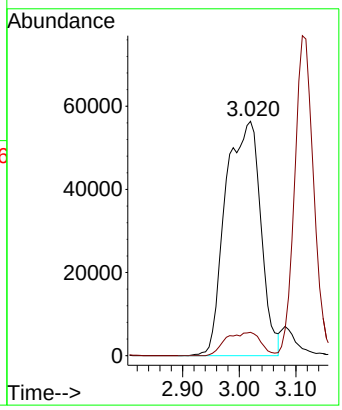
Tgt Ion: 59 Resp: 24243

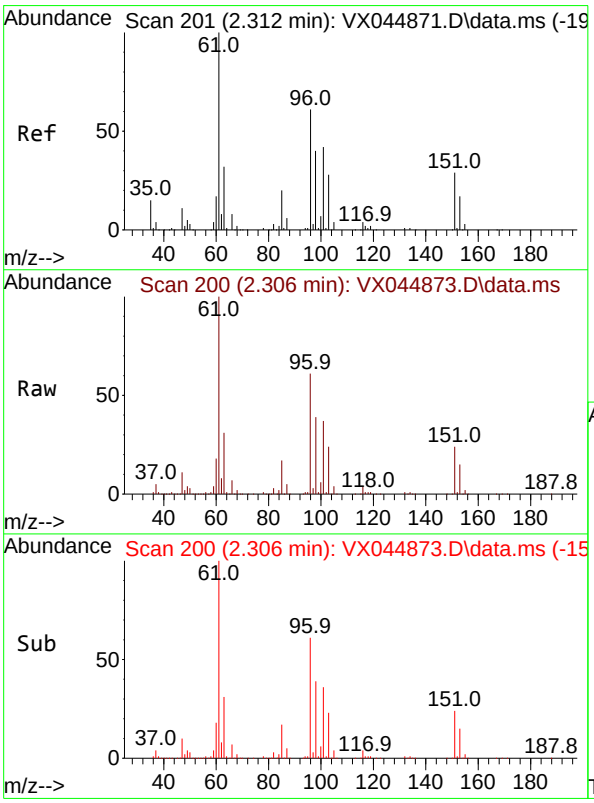
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

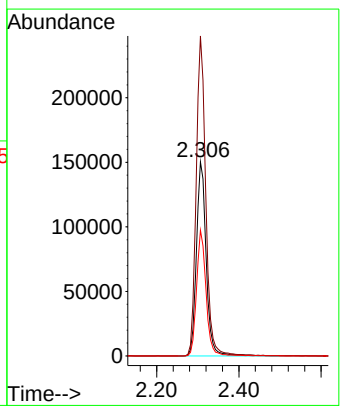


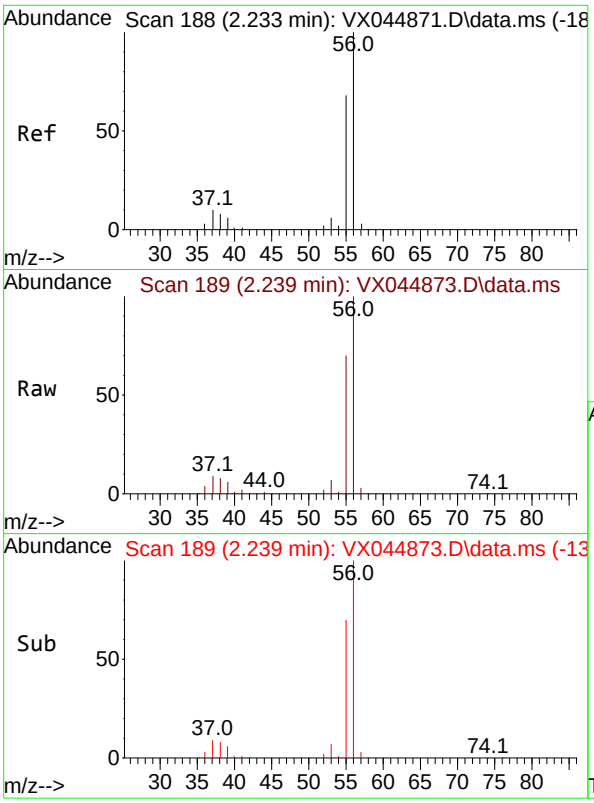


#12
1,1-Dichloroethene
Concen: 152.989 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 96 Resp: 246987

Ion	Ratio	Lower	Upper
96	100		
61	164.9	130.2	195.4
98	64.8	52.2	78.4





#13
Acrolein
Concen: 778.418 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 56 Resp: 27317

Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.7	83.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
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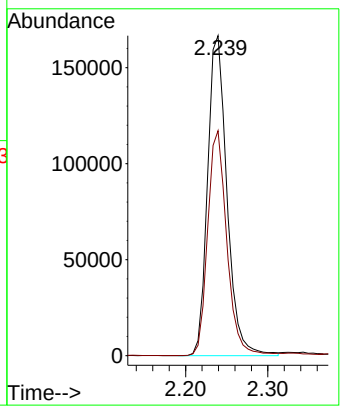
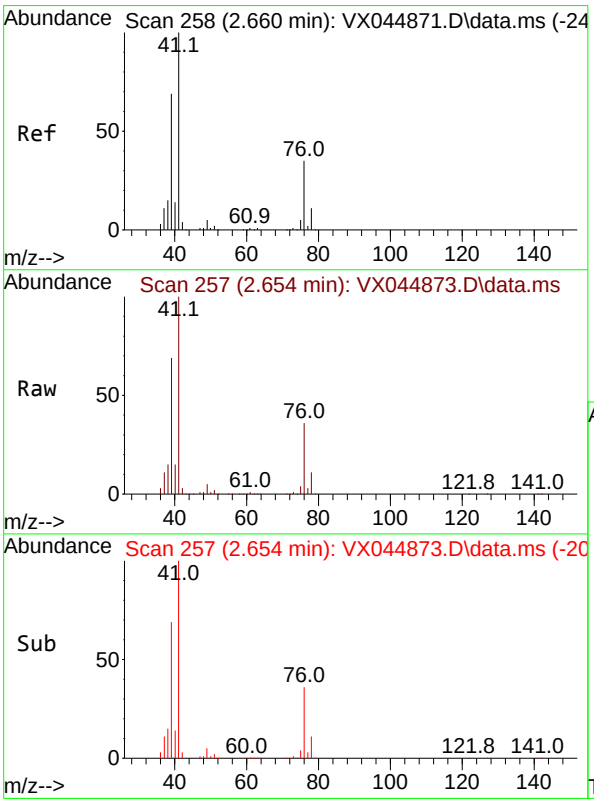
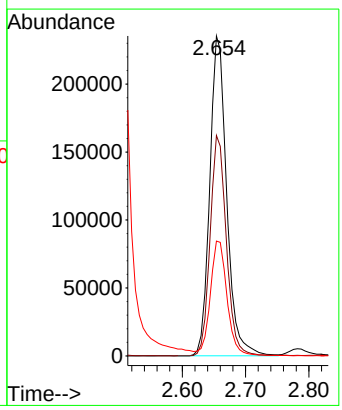


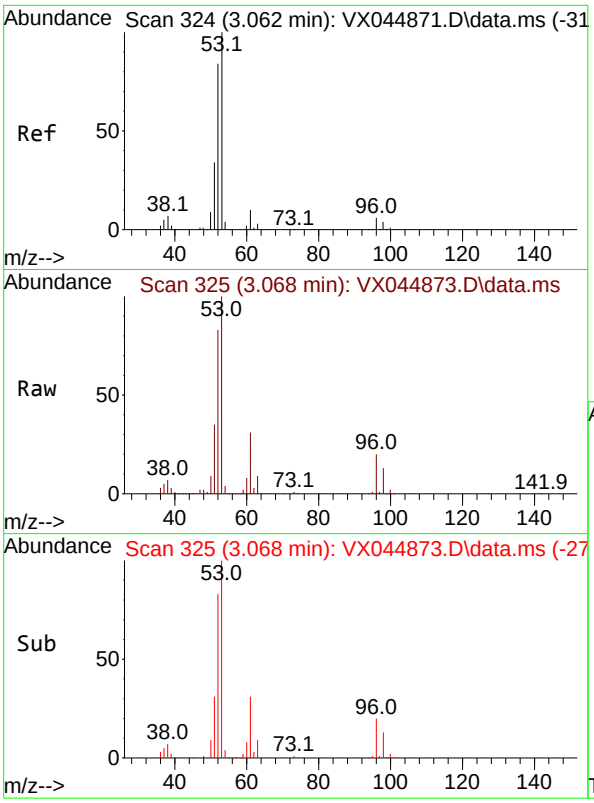


#14
Allyl chloride
Concen: 150.289 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 438493

Ion	Ratio	Lower	Upper
41	100		
39	66.1	51.4	77.2
76	35.7	27.0	40.4





#15
Acrylonitrile
Concen: 753.423 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

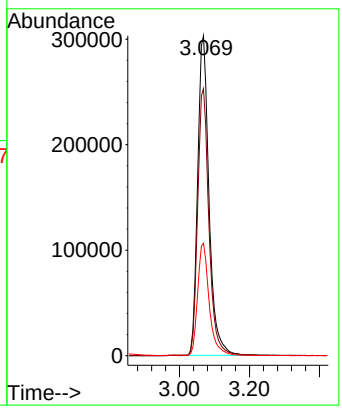
Tgt Ion: 53 Resp: 68423

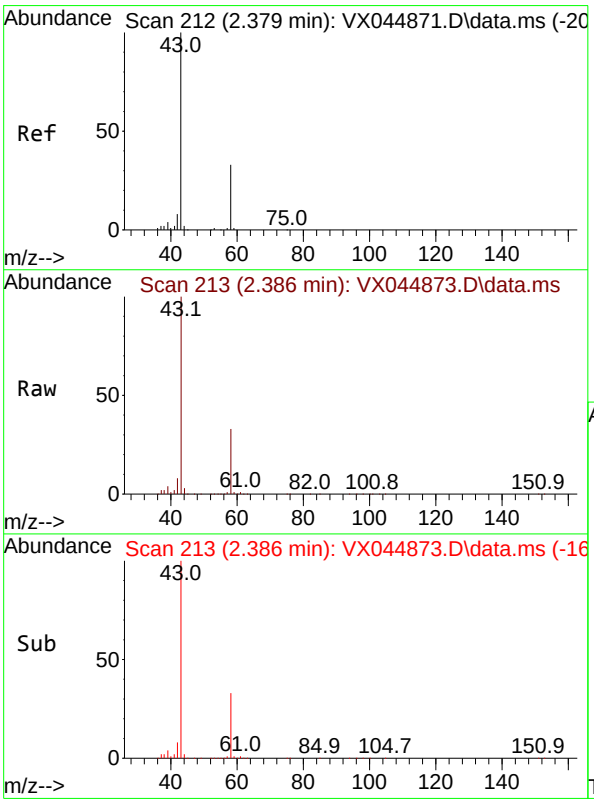
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.0	97.6
51	35.2	28.0	42.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

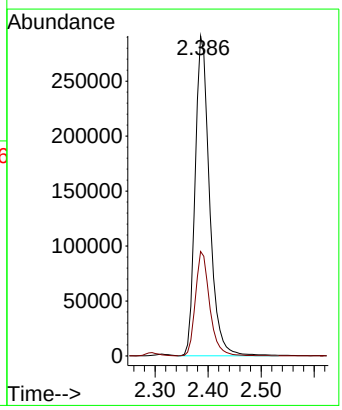


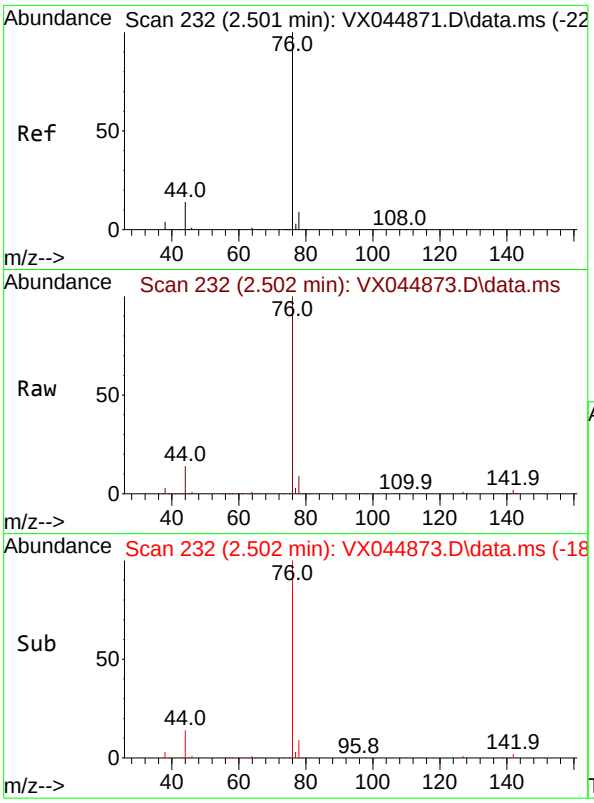


#16
Acetone
Concen: 743.398 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 547939

Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7





#17
Carbon Disulfide
Concen: 156.665 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

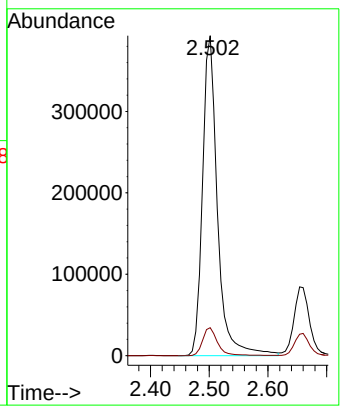
Tgt Ion: 76 Resp: 69355

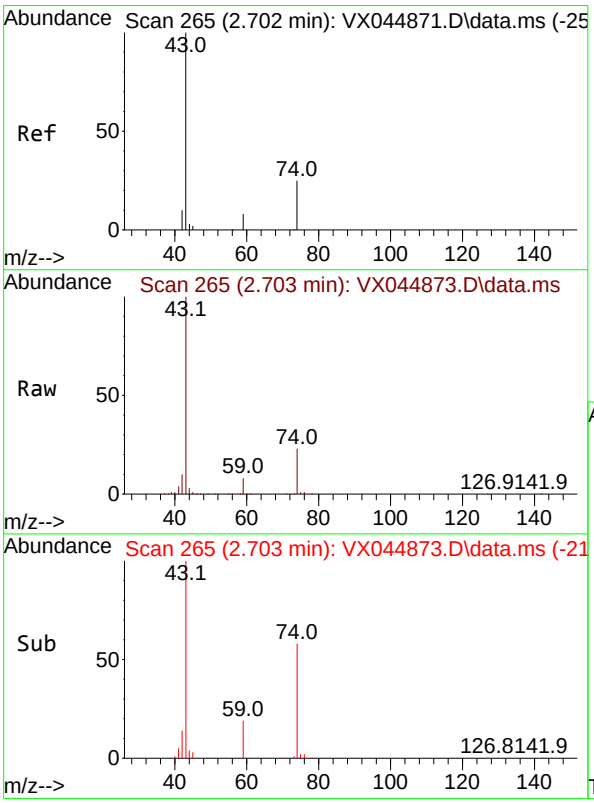
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

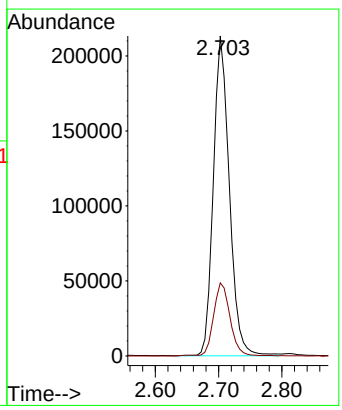


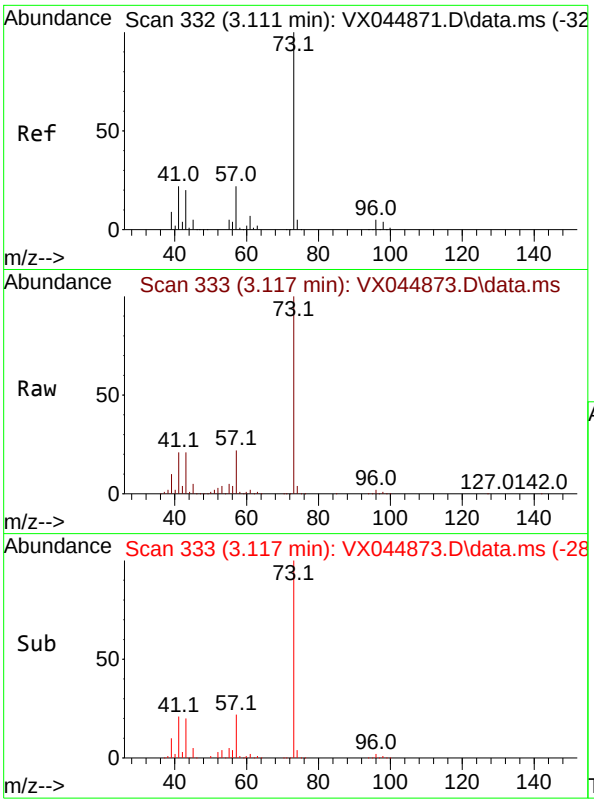


#18
Methyl Acetate
Concen: 160.743 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 373877

Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 154.347 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

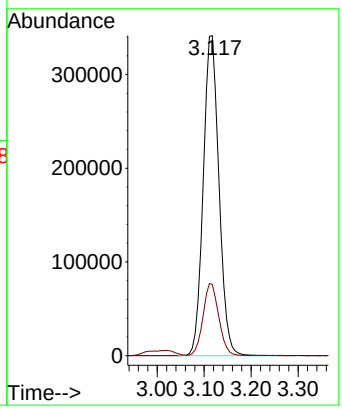
Tgt Ion: 73 Resp: 79281

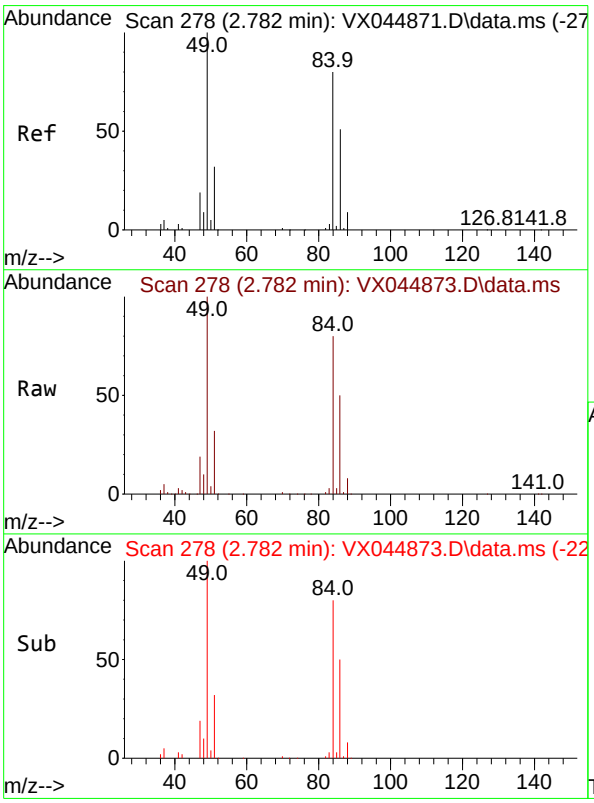
Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

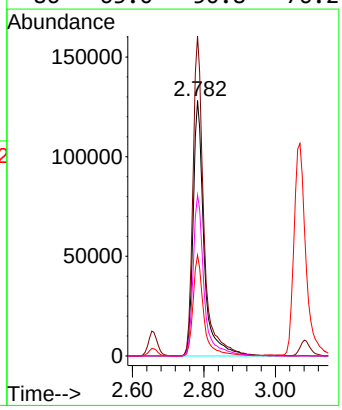


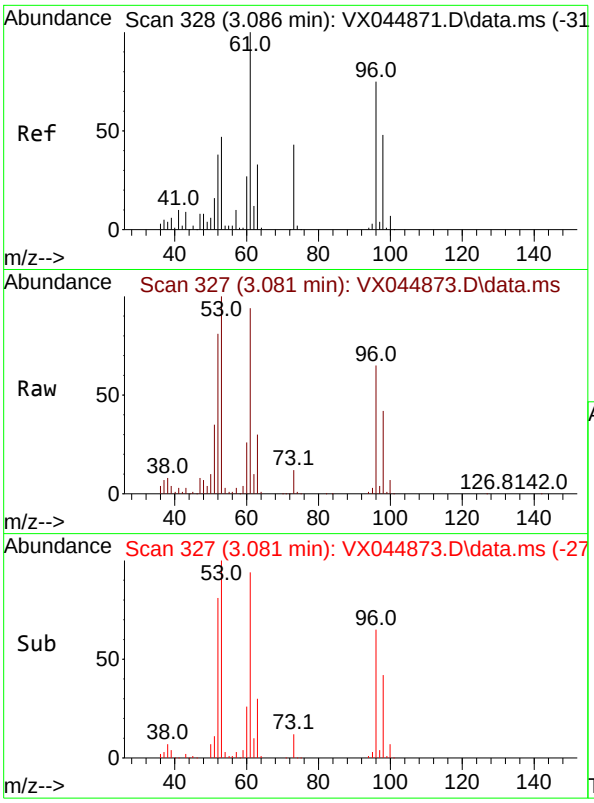


#20
Methylene Chloride
Concen: 149.871 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 84 Resp: 270575

Ion	Ratio	Lower	Upper
84	100		
49	125.2	100.1	150.1
51	39.5	31.7	47.5
86	63.0	50.8	76.2





#21
trans-1,2-Dichloroethene
Concen: 152.356 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

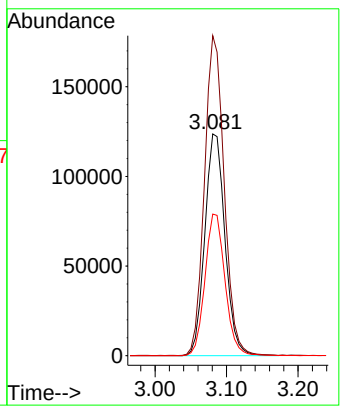
Tgt Ion: 96 Resp: 24208

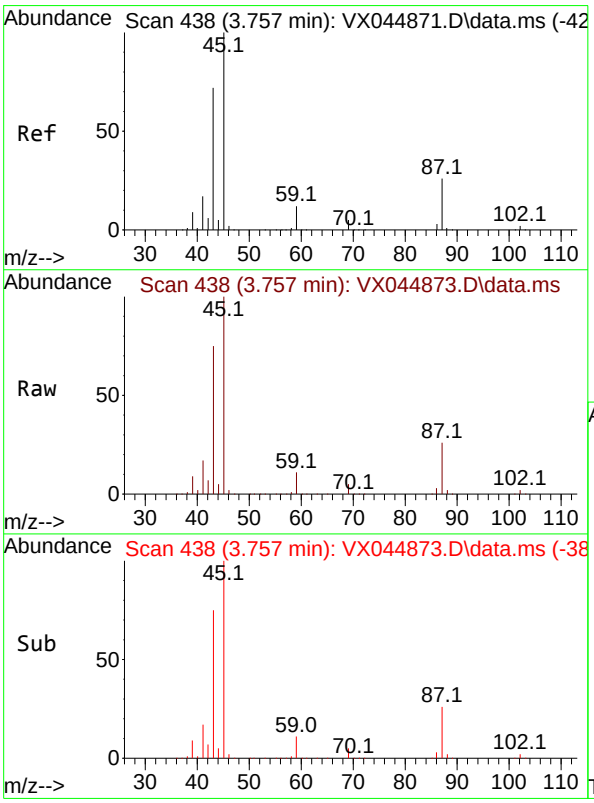
Ion	Ratio	Lower	Upper
96	100		
61	144.2	106.0	159.0
98	63.9	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

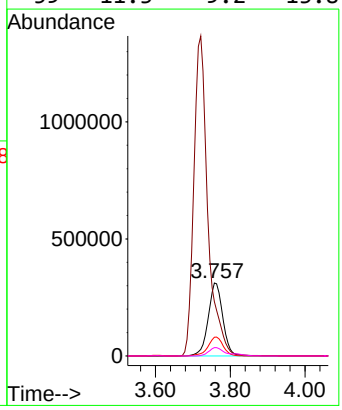


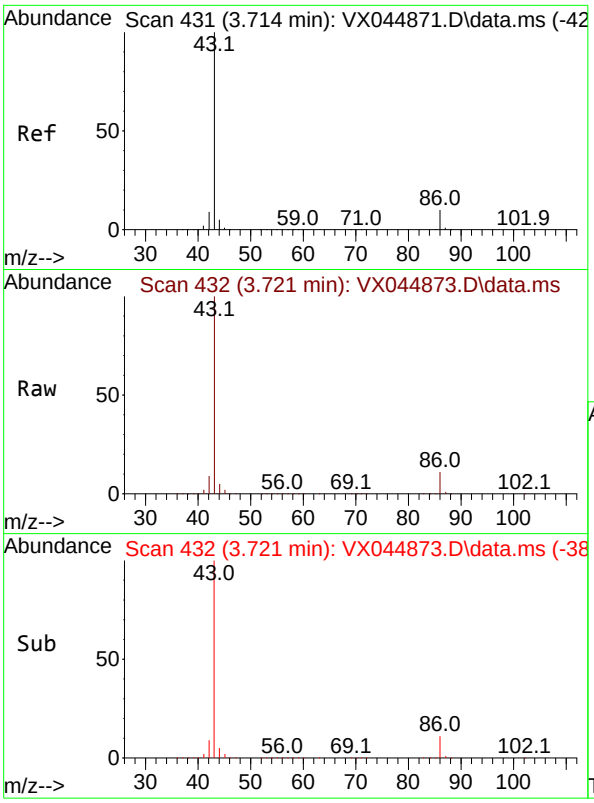


#22
Diisopropyl ether
Concen: 152.020 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 45 Resp: 839126

Ion	Ratio	Lower	Upper
45	100		
43	74.6	58.0	87.0
87	25.8	20.7	31.1
59	11.3	9.2	13.8





#23
Vinyl Acetate
Concen: 789.993 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 355503

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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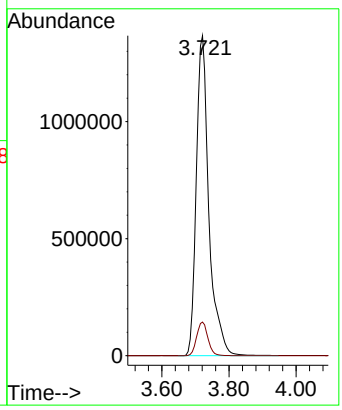
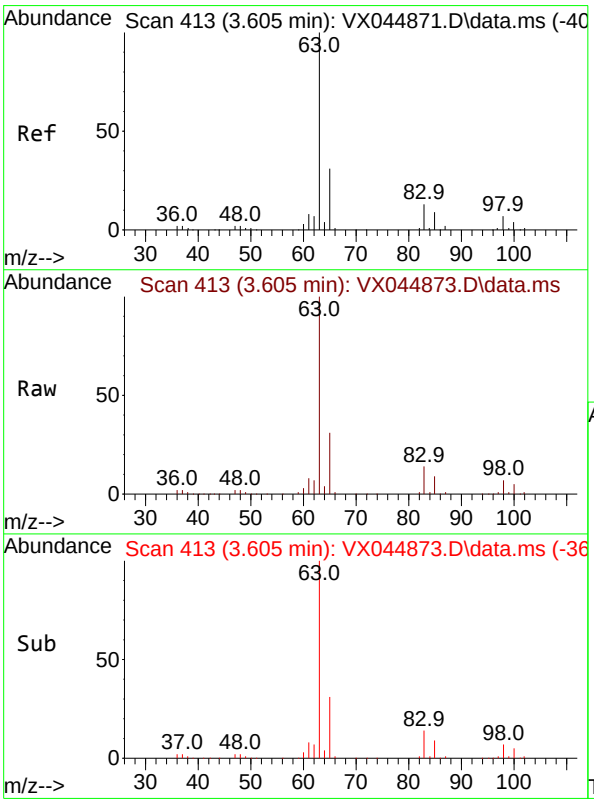
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

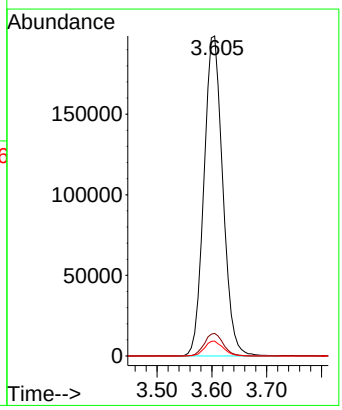


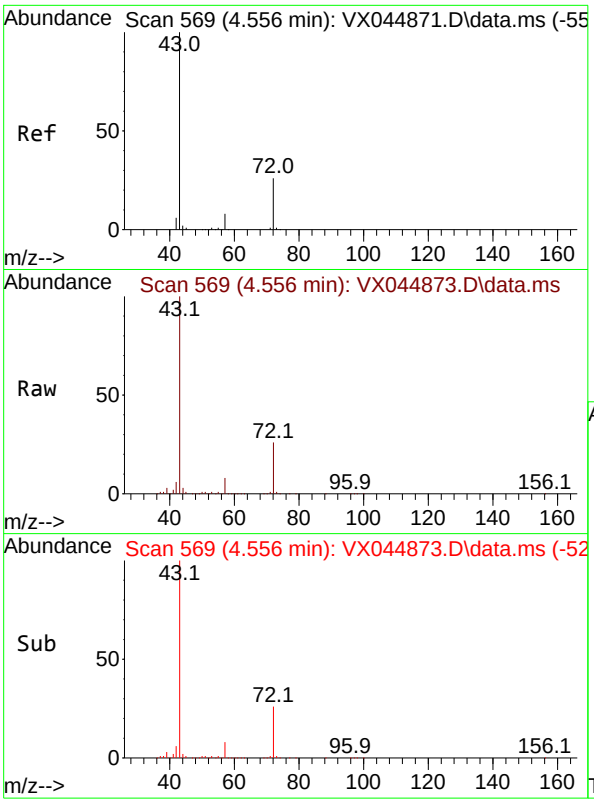


#24
1,1-Dichloroethane
Concen: 152.959 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 472424

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.9
100	4.6	2.1	6.5





#25
2-Butanone
Concen: 764.276 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

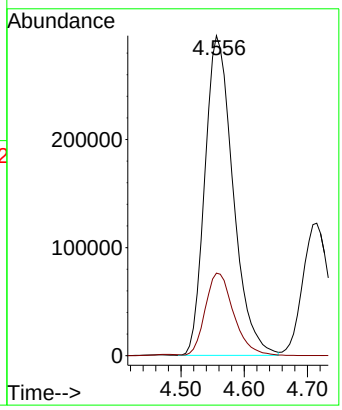
Tgt Ion: 43 Resp: 91474

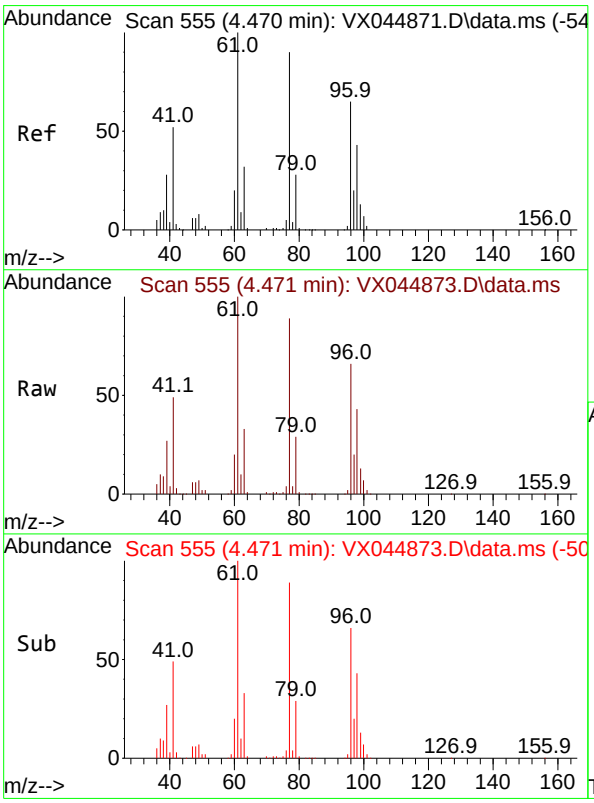
Ion	Ratio	Lower	Upper
43	100		
72	25.6	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

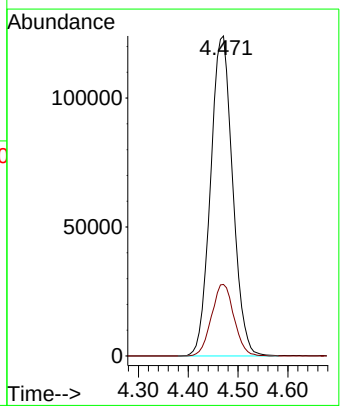


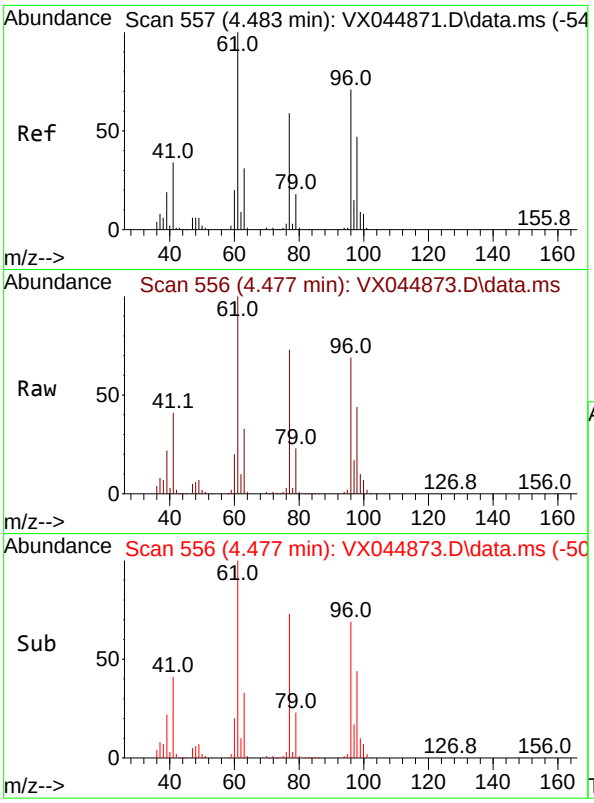


#26
2,2-Dichloropropane
Concen: 156.029 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 77 Resp: 382167

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.8	35.3





#27
cis-1,2-Dichloroethene
Concen: 153.446 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 96 Resp: 29286

Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	294.0
98	64.6	0.0	131.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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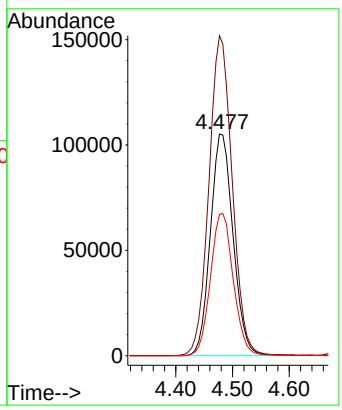
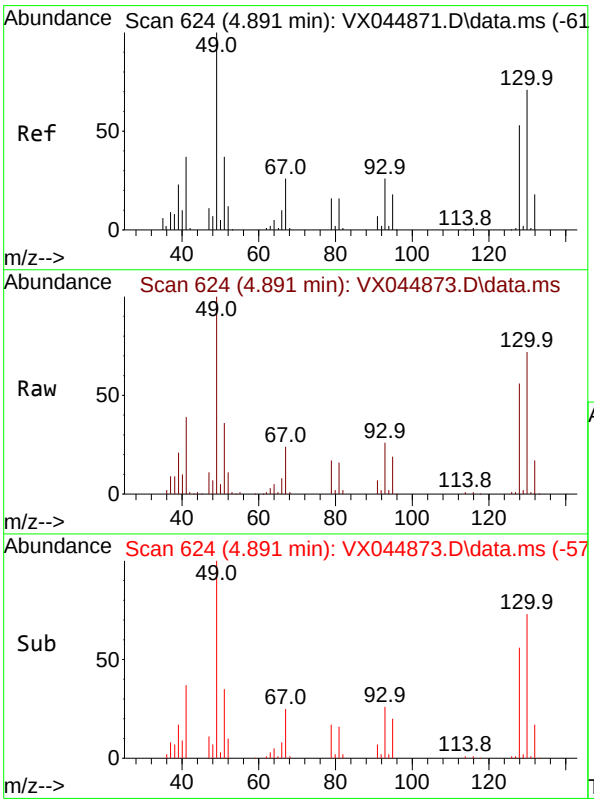
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

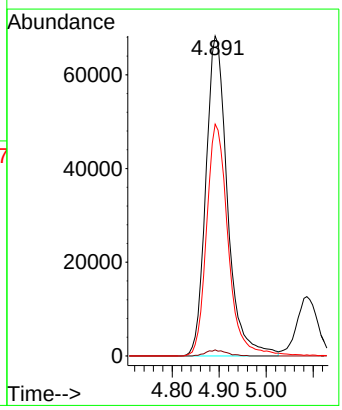


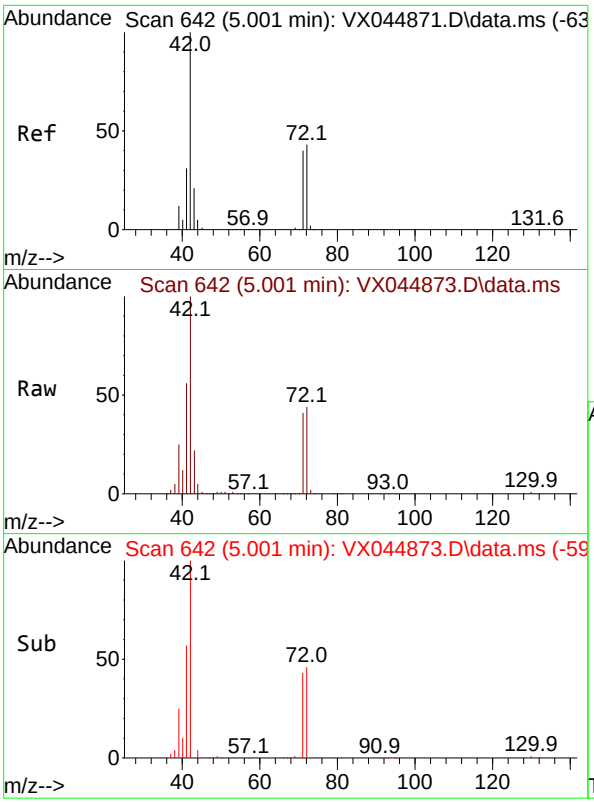


#28
Bromochloromethane
Concen: 146.458 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 49 Resp: 217387

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	72.6	56.7	85.1





#29
Tetrahydrofuran
Concen: 749.977 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

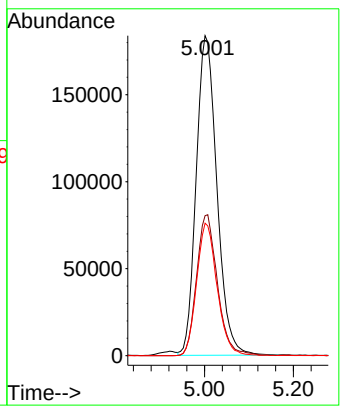
Tgt Ion: 42 Resp: 59604

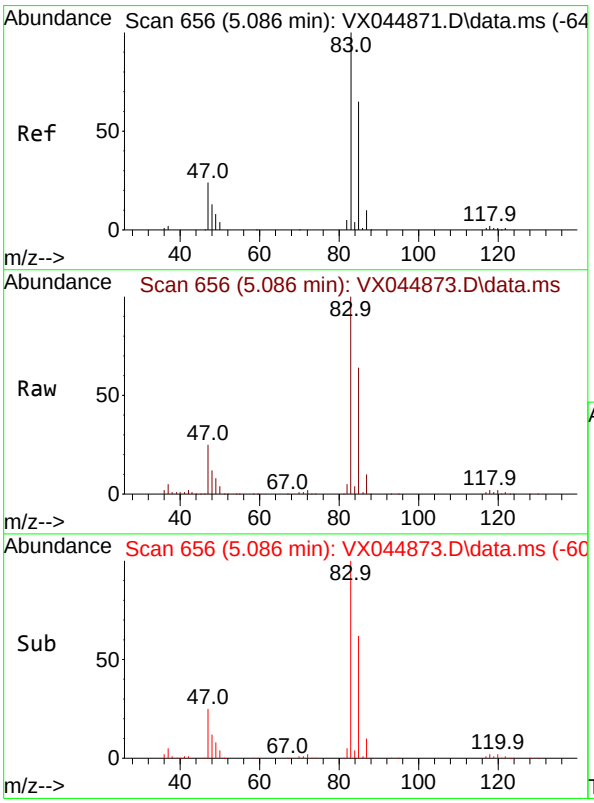
Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.0	52.4
71	41.0	32.6	48.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

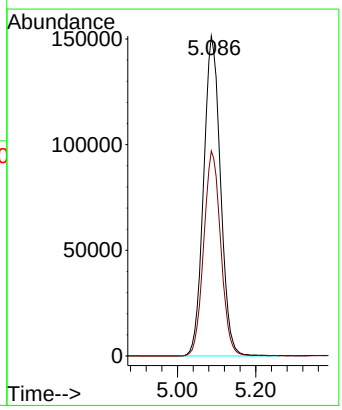


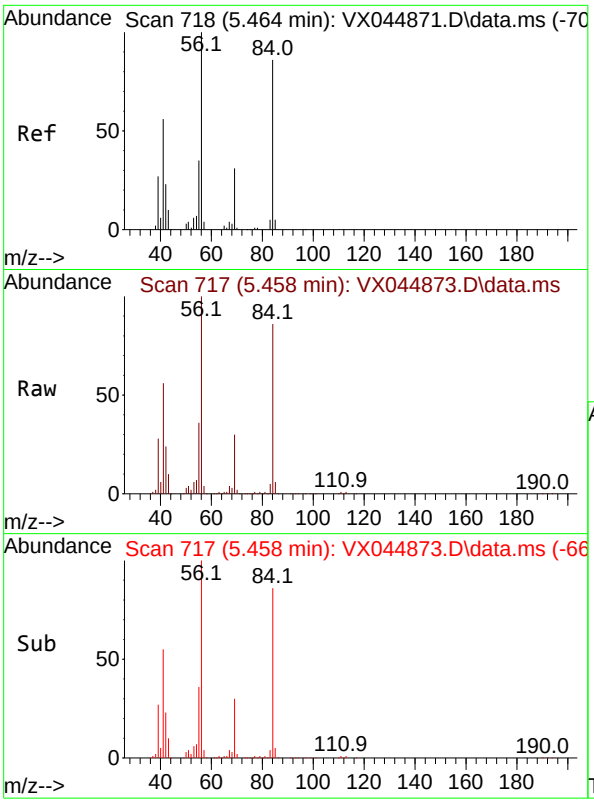


#30
Chloroform
Concen: 151.509 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 83 Resp: 453809

Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.1	78.1





#31
Cyclohexane
Concen: 148.722 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

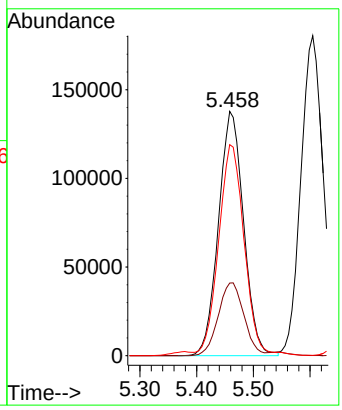
Tgt Ion: 56 Resp: 42346

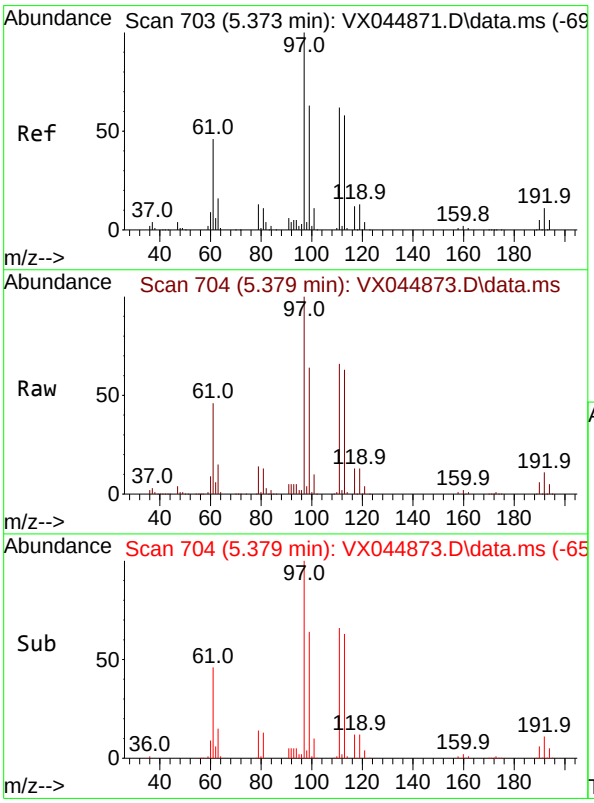
Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.4	36.6
84	85.0	69.0	103.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

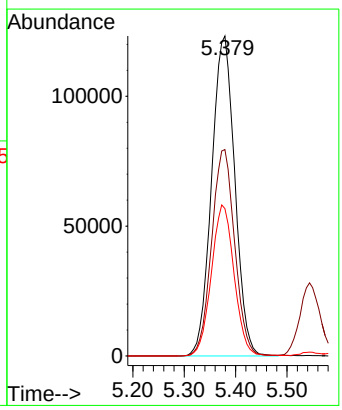


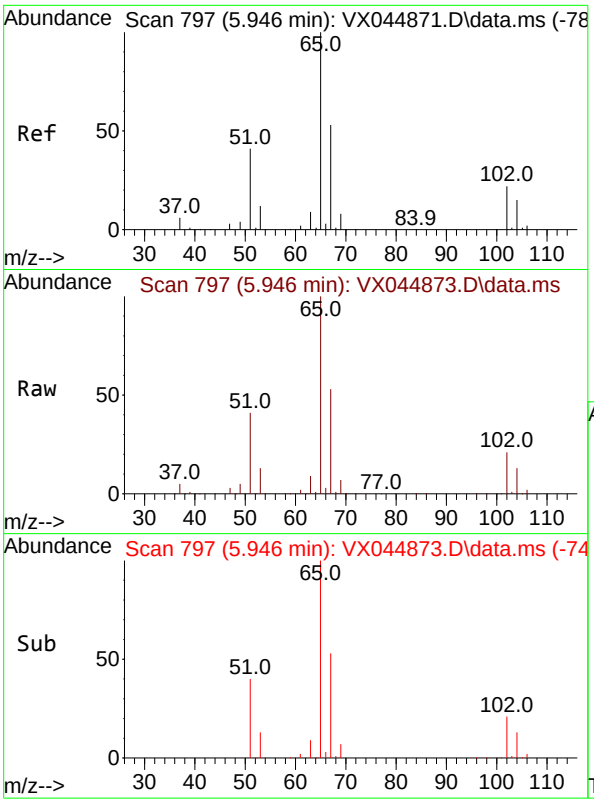


#32
1,1,1-Trichloroethane
Concen: 151.996 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 97 Resp: 386162

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	46.4	36.6	55.0





#33
1,2-Dichloroethane-d4
Concen: 153.180 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

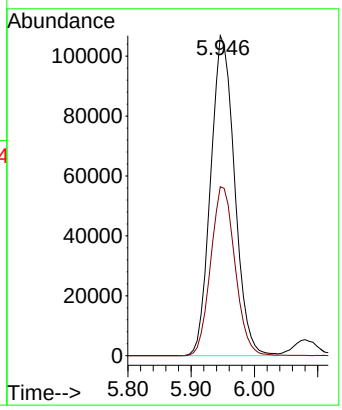
Tgt Ion: 65 Resp: 28085

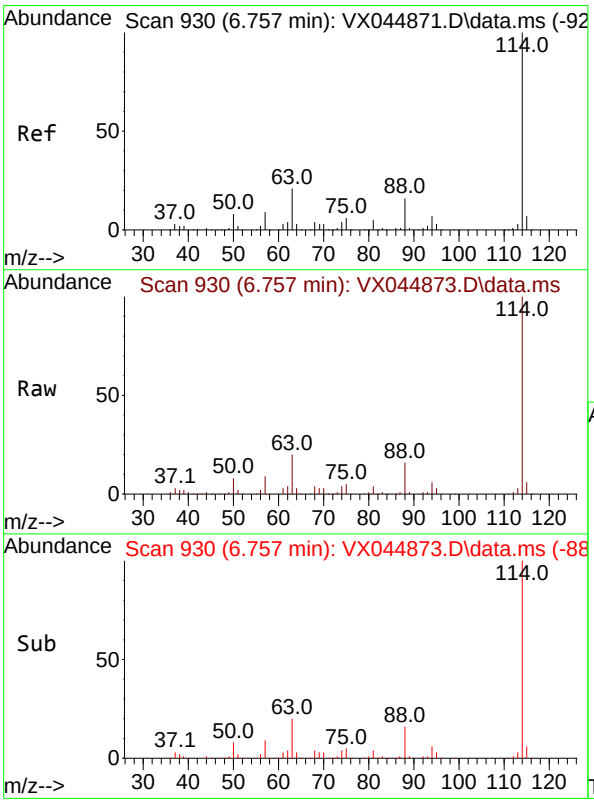
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

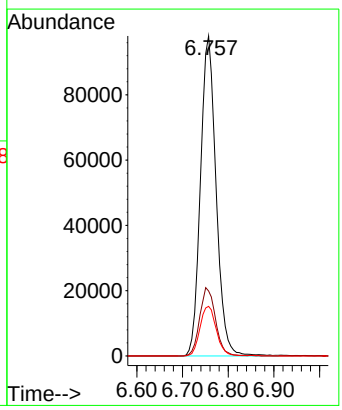


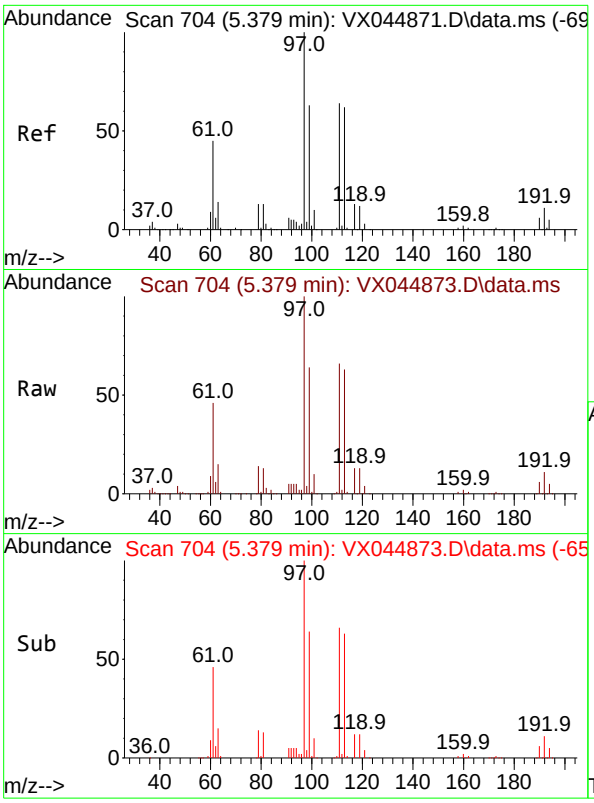


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:114 Resp: 232597

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.4
88	15.5	0.0	31.4





#35
Dibromofluoromethane
Concen: 151.572 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:113 Resp: 22921

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.5	125.3
192	17.6	14.4	21.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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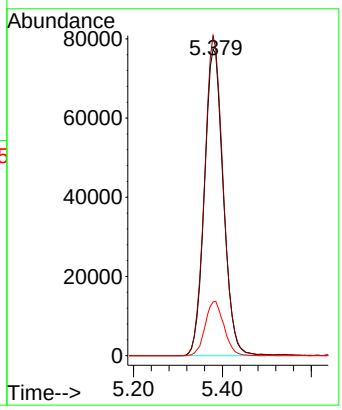
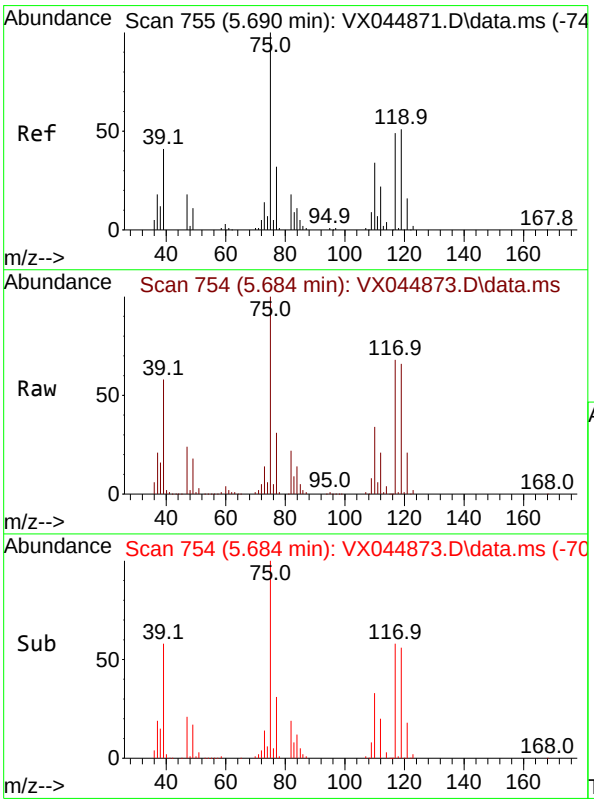
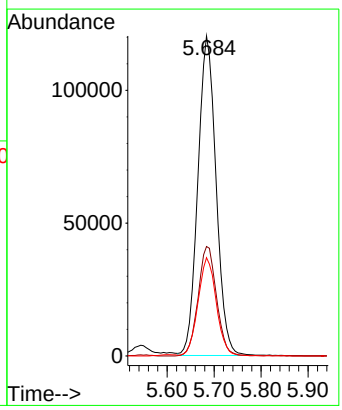


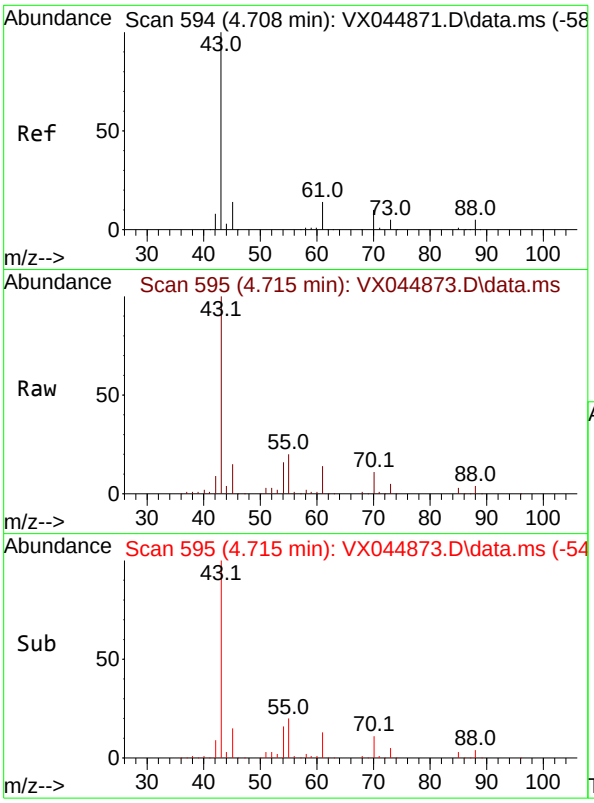


#36
1,1-Dichloropropene
Concen: 148.585 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 324182

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.2	51.6
77	30.9	24.6	37.0





#37
Ethyl Acetate
Concen: 151.956 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

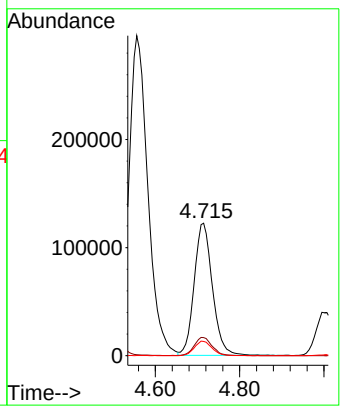
Tgt Ion: 43 Resp: 36876

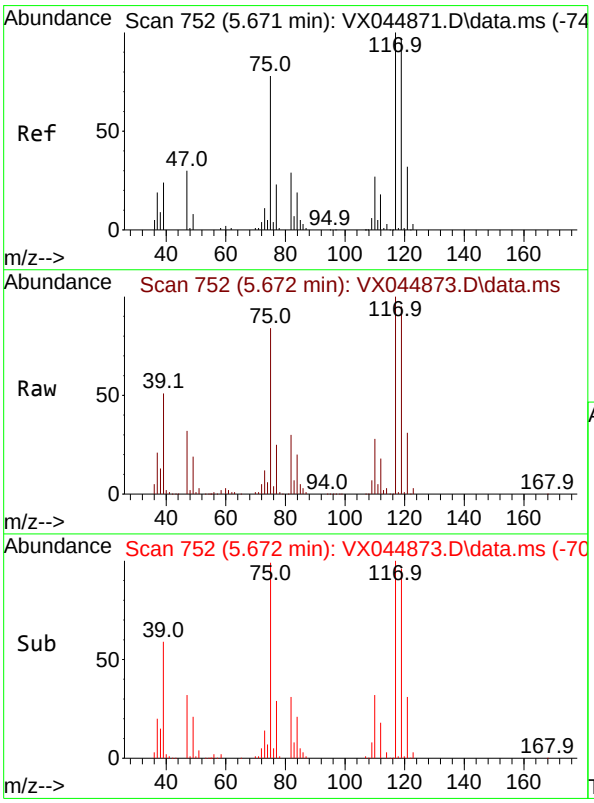
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	10.6	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

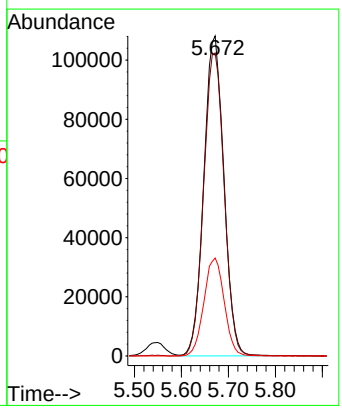


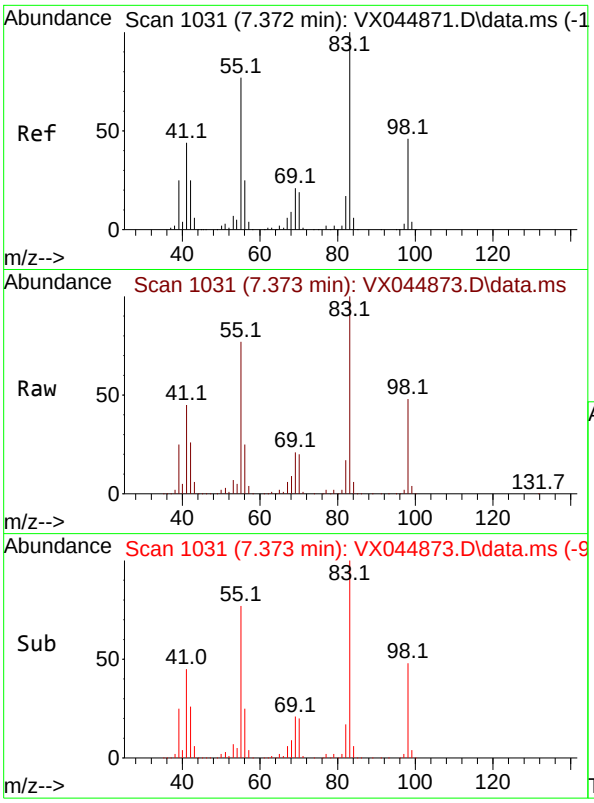


#38
Carbon Tetrachloride
Concen: 149.921 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:117 Resp: 320536

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.5	116.3
121	30.6	25.6	38.4





#39
Methylcyclohexane
Concen: 157.130 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 83 Resp: 44321

Ion	Ratio	Lower	Upper
83	100		
55	76.5	61.3	91.9
98	48.4	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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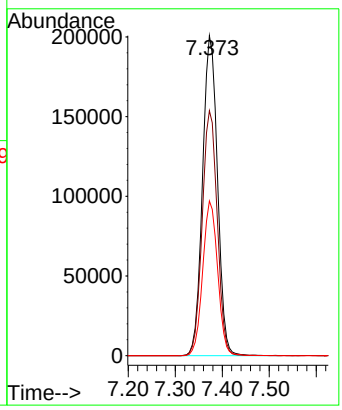
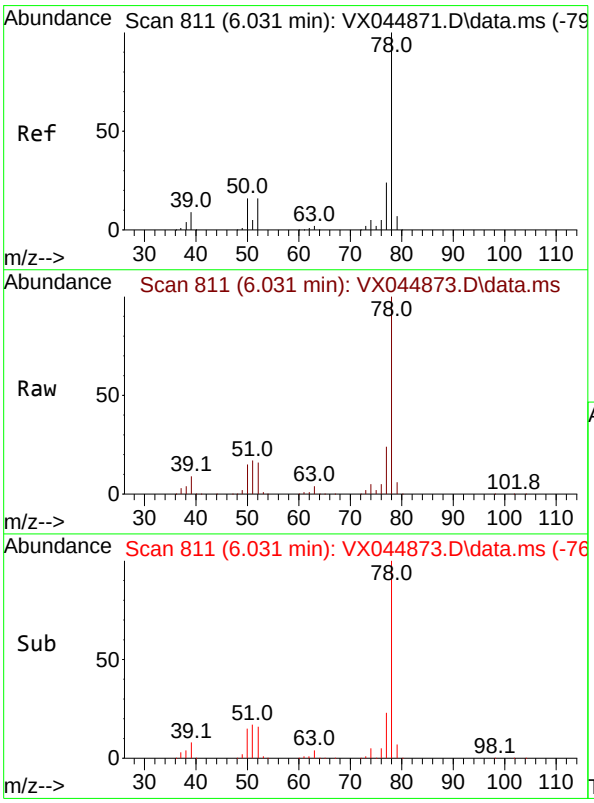
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

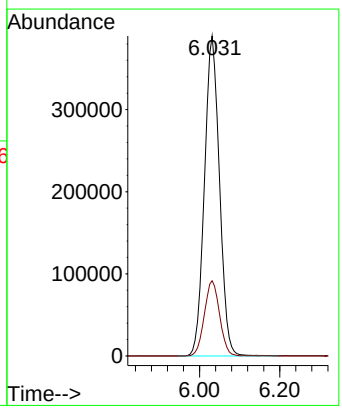


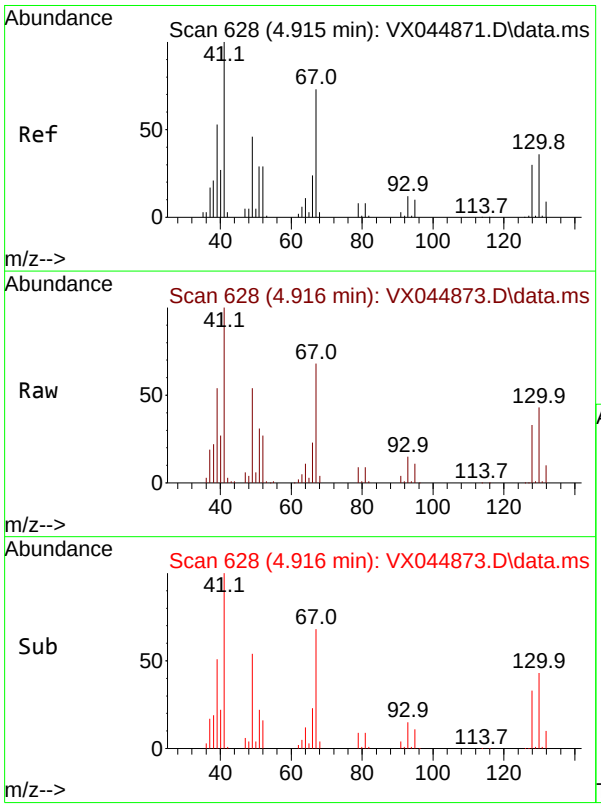


#40
Benzene
Concen: 148.856 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 78 Resp: 1014129

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





#41
Methacrylonitrile
Concen: 158.707 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 20615

Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.1	64.7
67	71.4	57.0	85.6
52	29.4	24.0	36.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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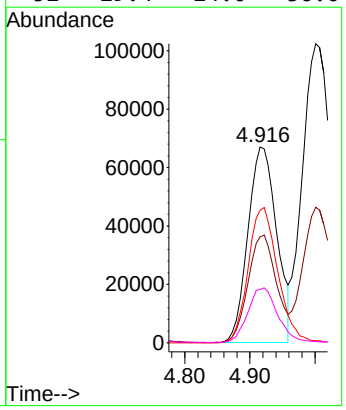
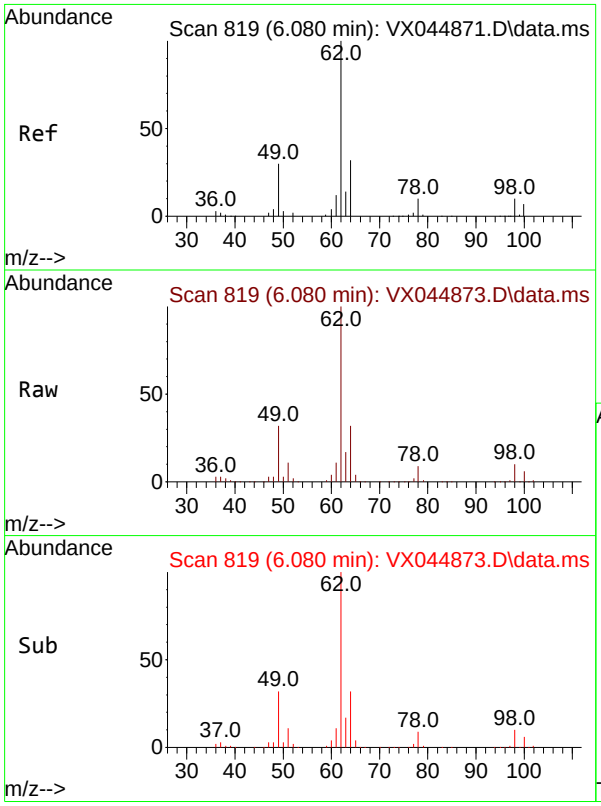
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

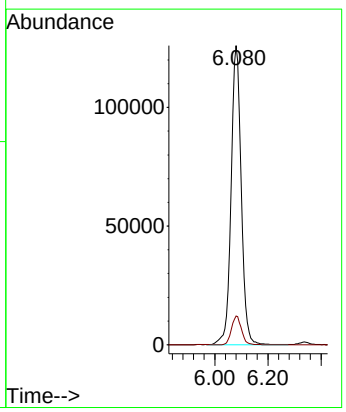


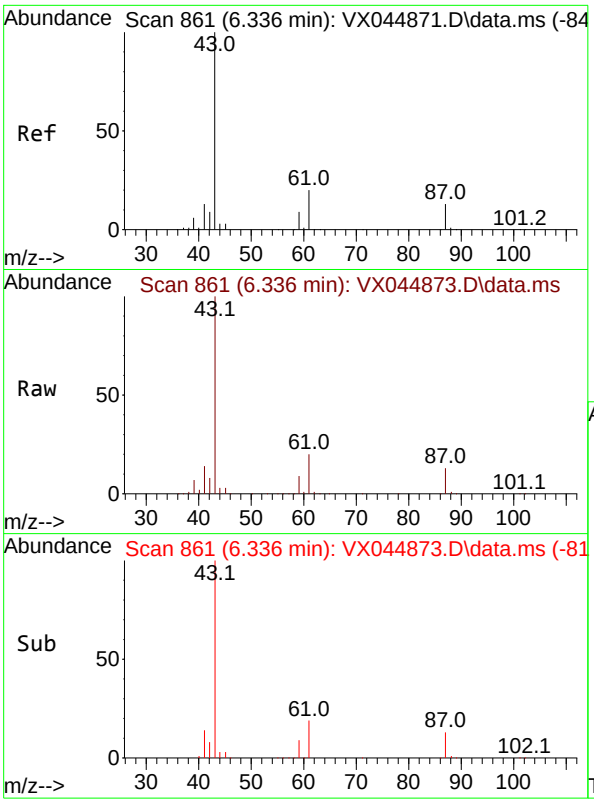


#42
1,2-Dichloroethane
Concen: 154.984 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 336520

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4





#43
Isopropyl Acetate
Concen: 157.575 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 61751

Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.8	23.8
87	12.9	10.0	15.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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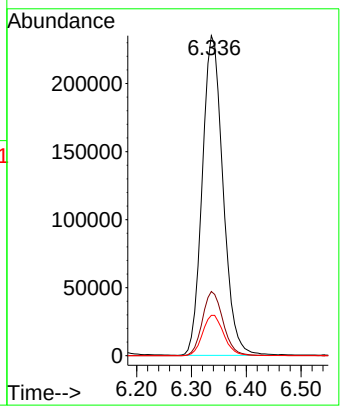
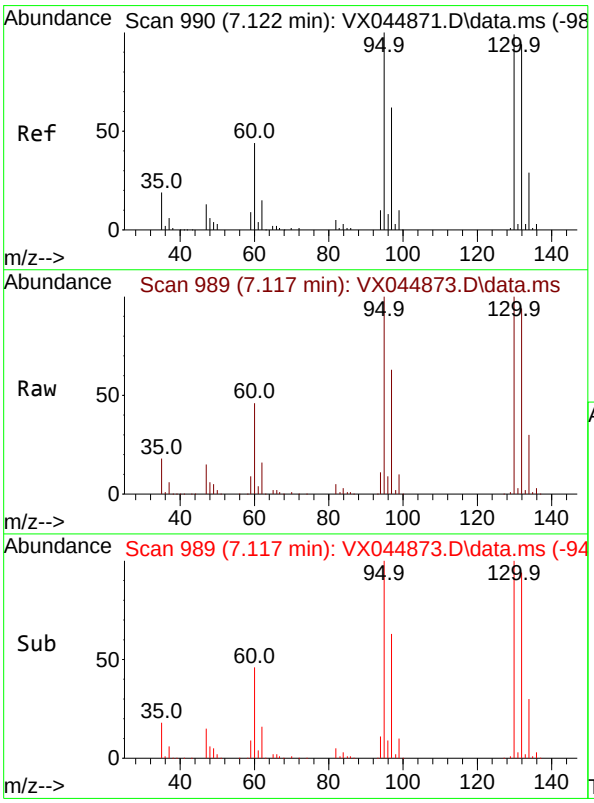
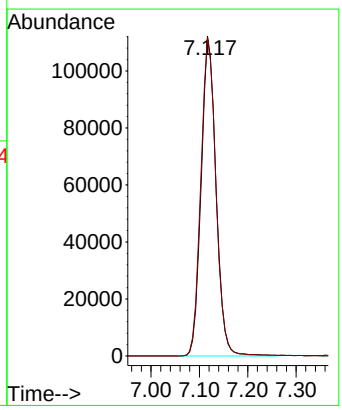


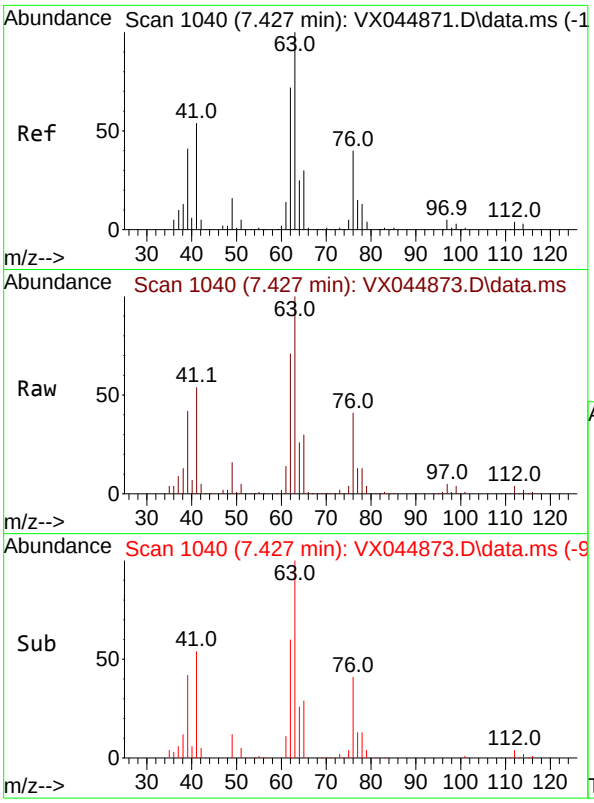


#44
Trichloroethene
Concen: 153.496 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:130 Resp: 239030

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	202.4





#45
1,2-Dichloropropane
Concen: 153.076 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 25945

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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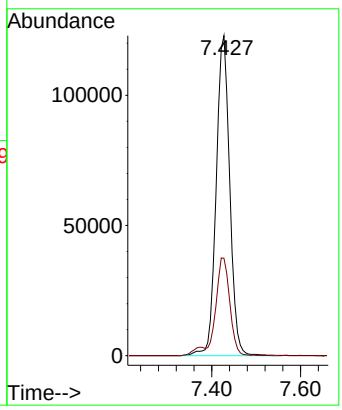
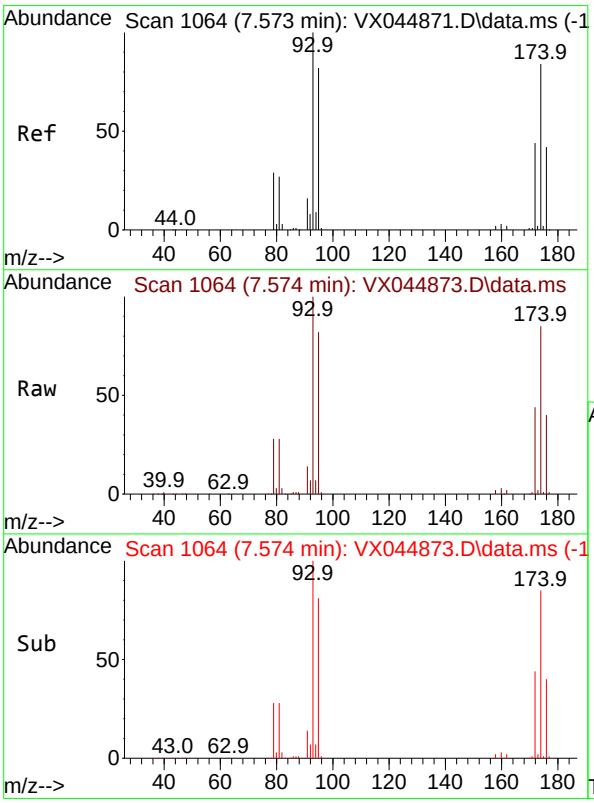
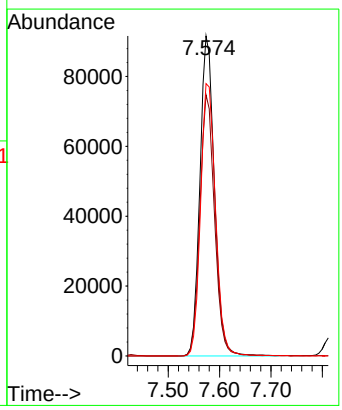


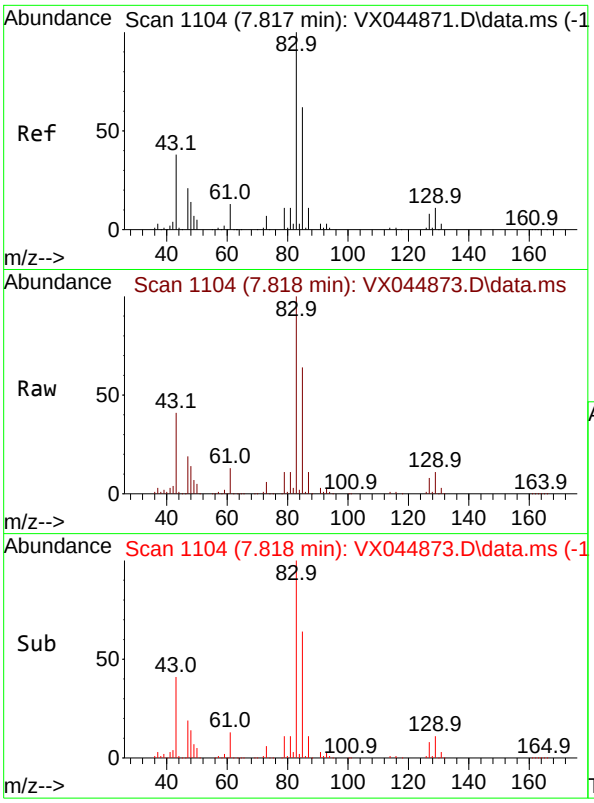


#46
Dibromomethane
Concen: 152.870 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 93 Resp: 179689

Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.2	99.4
174	87.9	69.9	104.9





#47
Bromodichloromethane
Concen: 157.128 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 83 Resp: 35762

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.0	75.0
127	8.2	6.4	9.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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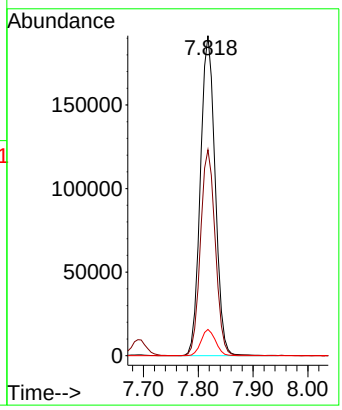
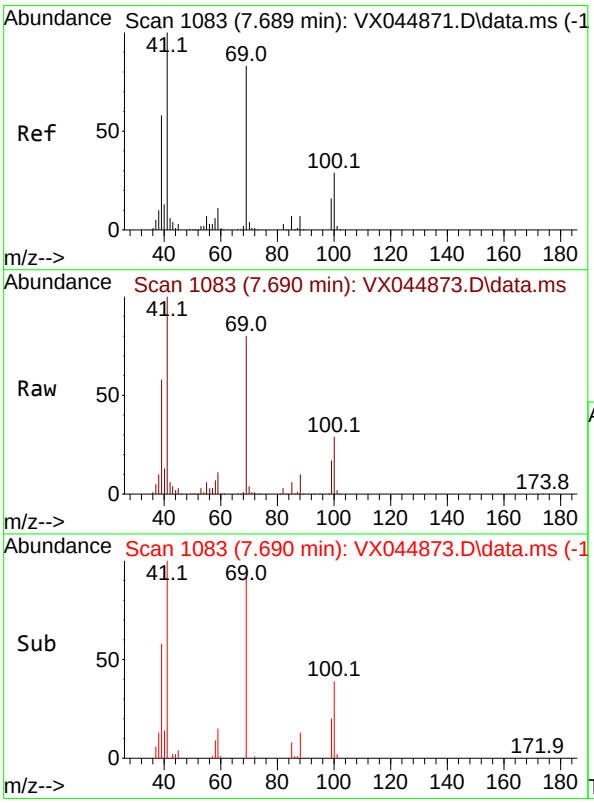
Supervised By :Mahesh Dadoda 02/11/2025

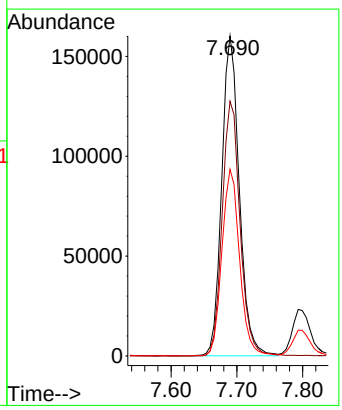


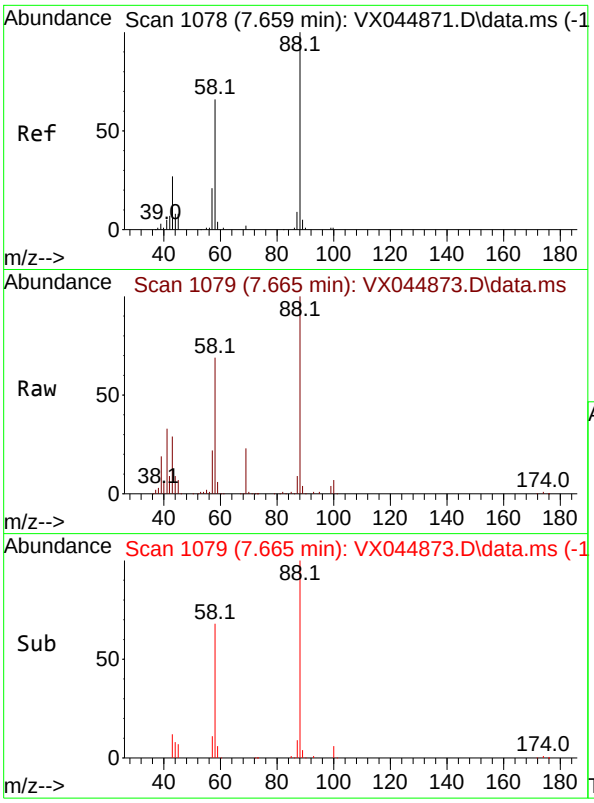


#48
Methyl methacrylate
Concen: 161.236 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 297931

Ion	Ratio	Lower	Upper
41	100		
69	81.4	65.8	98.8
39	58.7	46.4	69.6





#49
1,4-Dioxane
Concen: 2678.192 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 88 Resp: 10617!

Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.6	39.8
58	69.4	55.9	83.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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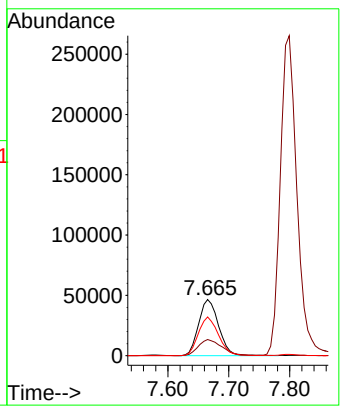
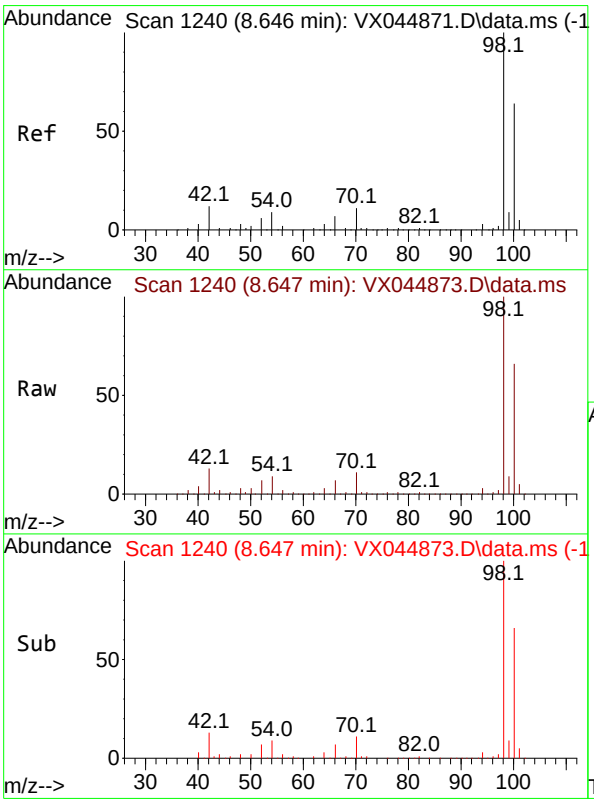
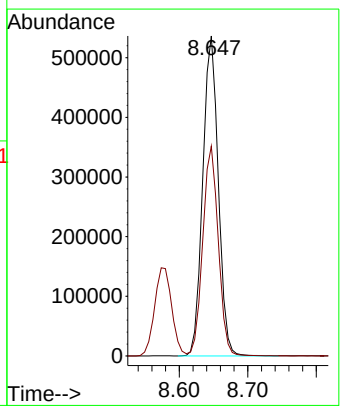


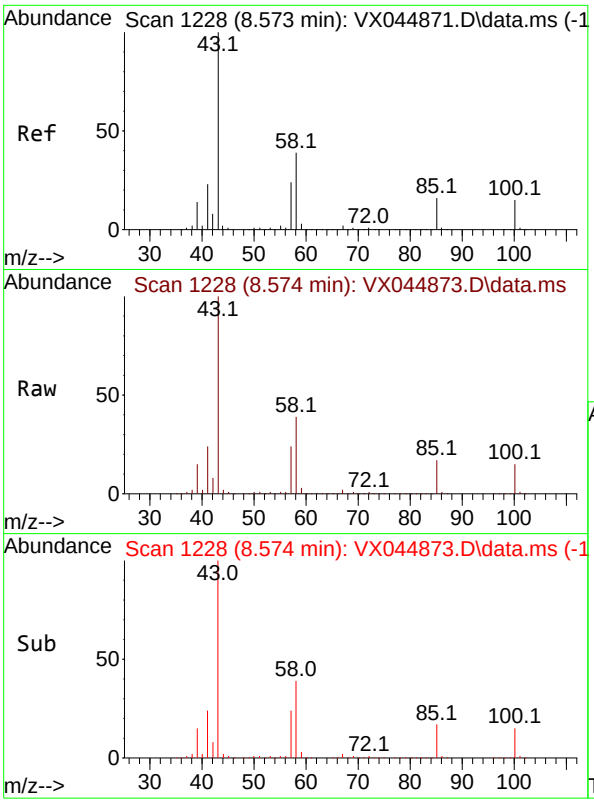


#50
Toluene-d8
Concen: 147.877 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 98 Resp: 845632

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 728.887 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 173653

Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.8	46.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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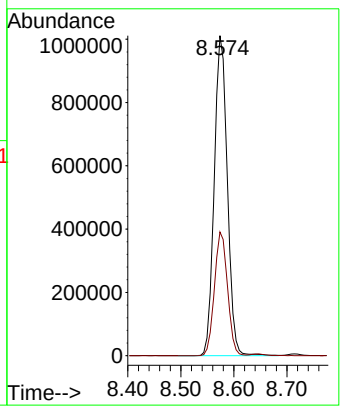
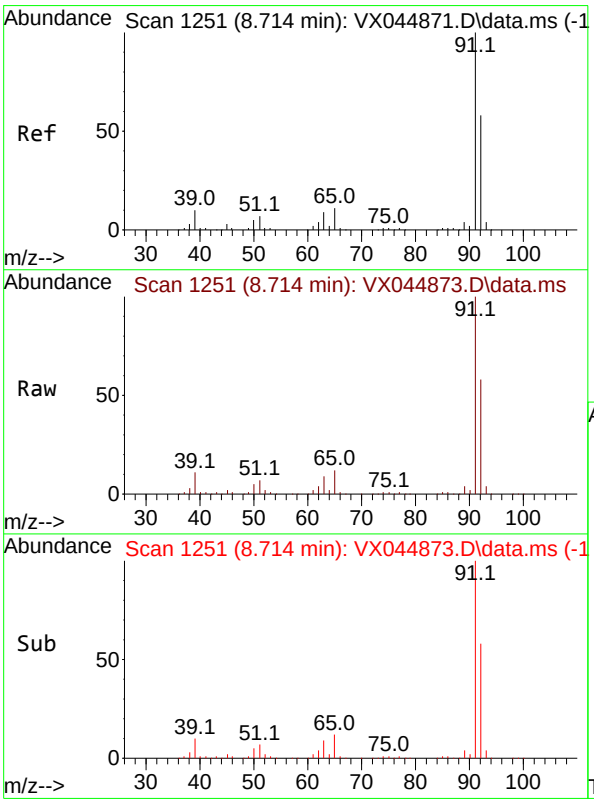
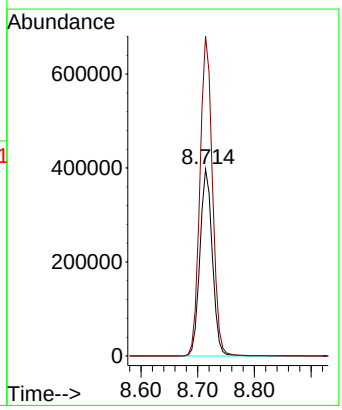


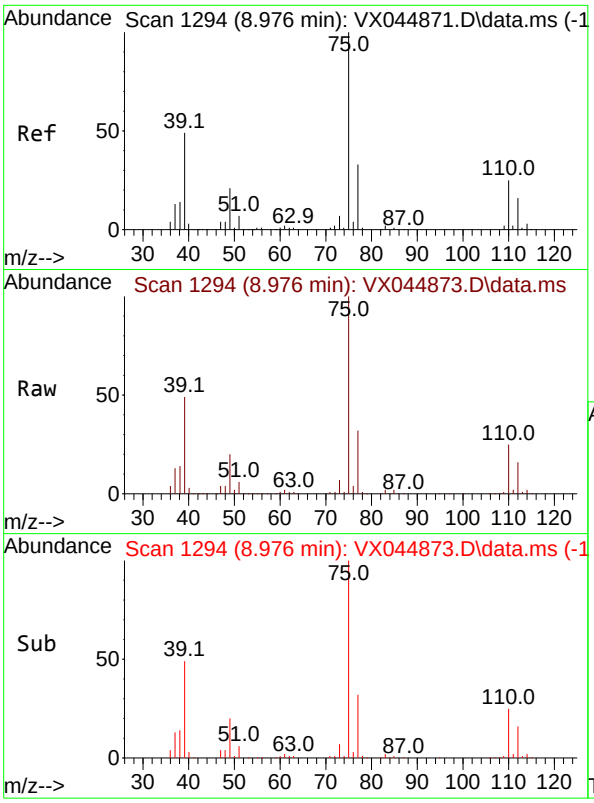


#52
Toluene
Concen: 148.645 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 92 Resp: 603113

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.4	206.2





#53
t-1,3-Dichloropropene
Concen: 164.398 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 37863

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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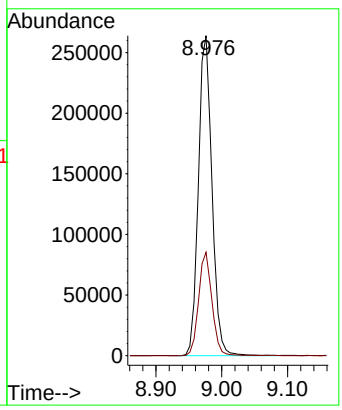
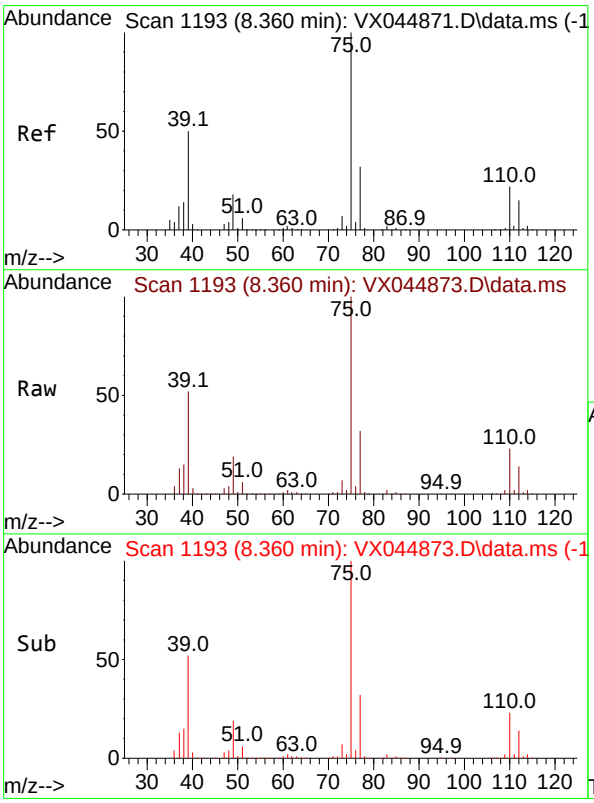
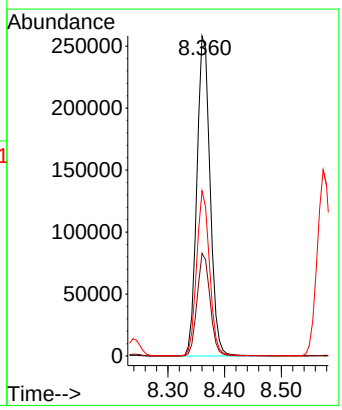


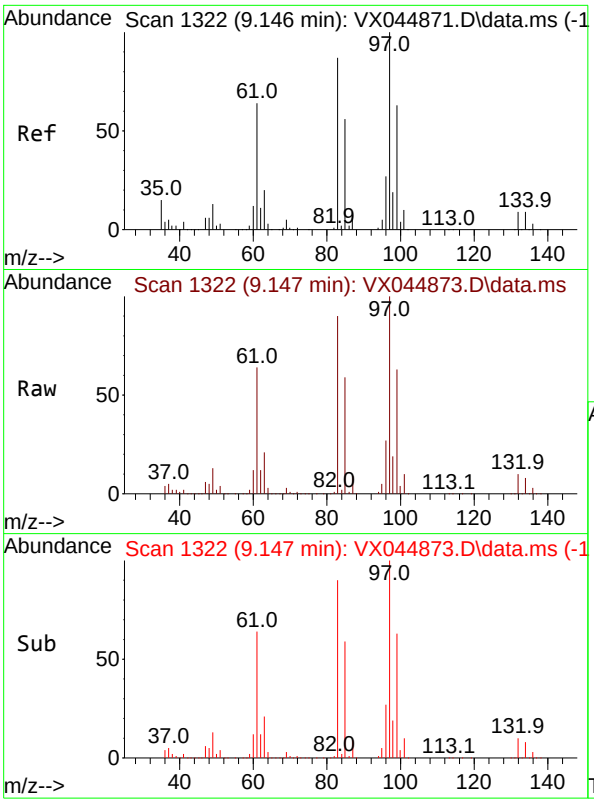


#54
cis-1,3-Dichloropropene
Concen: 162.667 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 417724

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9
39	51.5	40.0	60.0

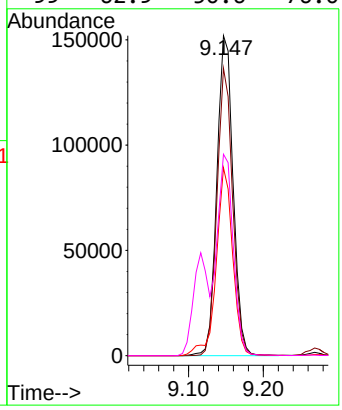




#55
1,1,2-Trichloroethane
Concen: 147.172 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 97 Resp: 22954

Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.8	104.6
85	58.7	44.8	67.2
99	62.9	50.6	76.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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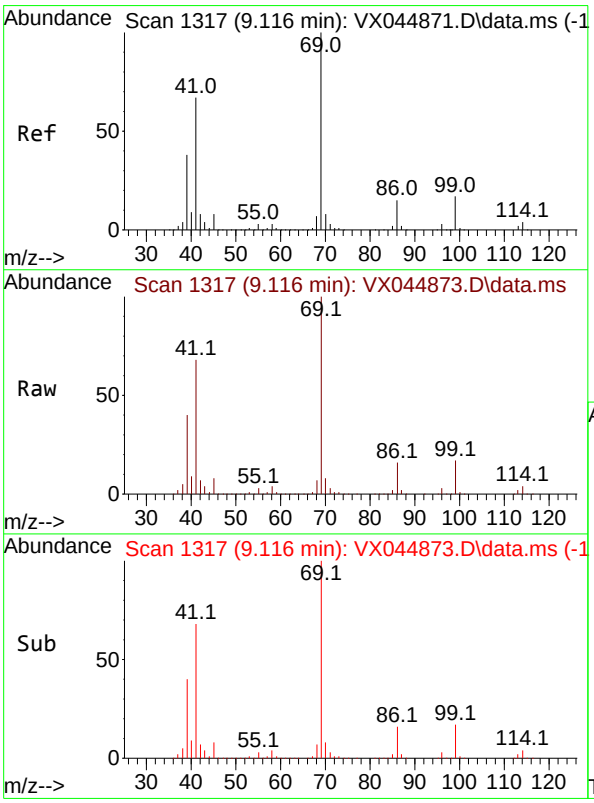
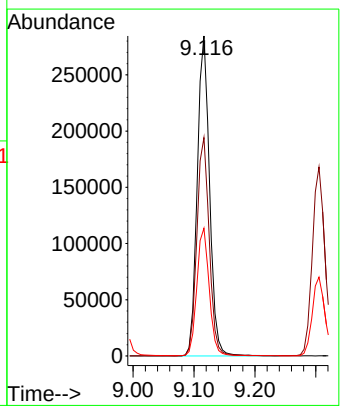
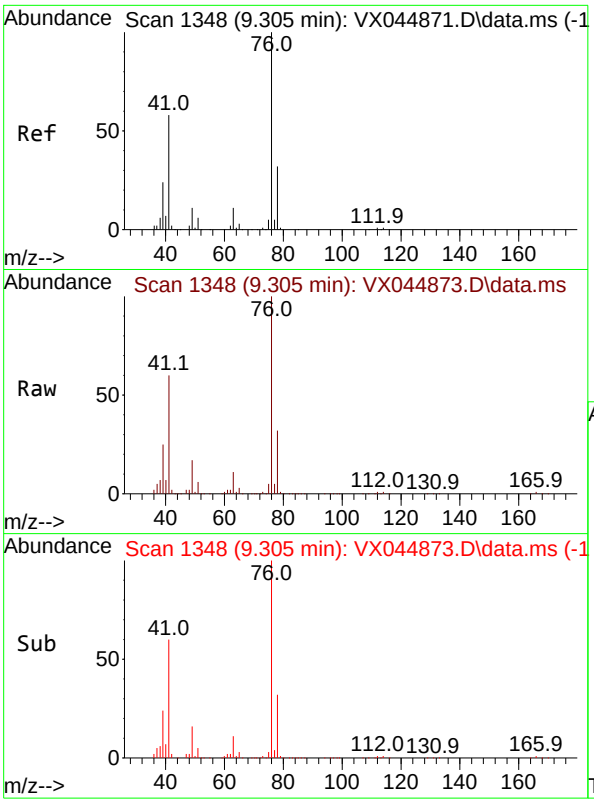


#56
Ethyl methacrylate
Concen: 158.205 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 69 Resp: 398535

Ion	Ratio	Lower	Upper
69	100		
41	68.7	55.2	82.8
39	40.0	30.8	46.2





#57
1,3-Dichloropropane
Concen: 147.915 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 76 Resp: 40366

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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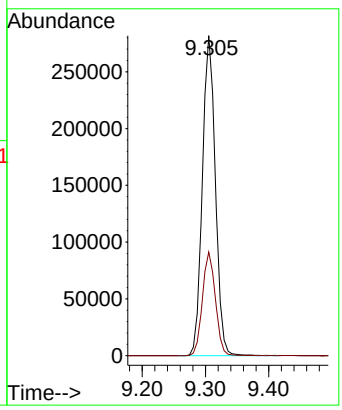
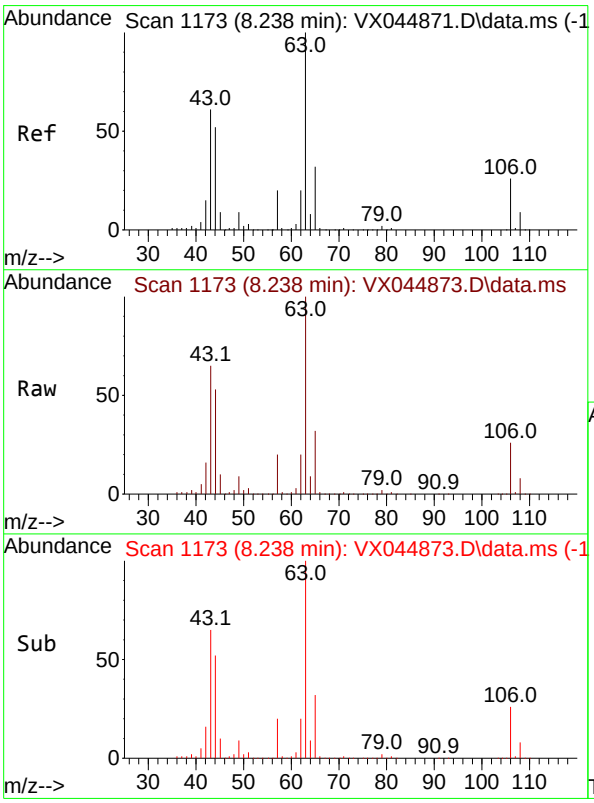
Supervised By :Mahesh Dadoda 02/11/2025

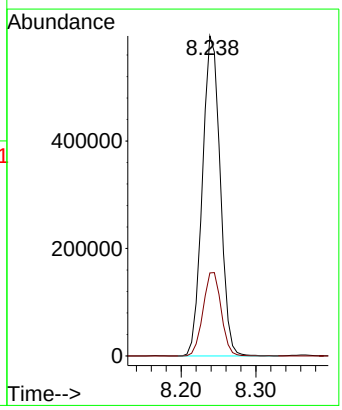


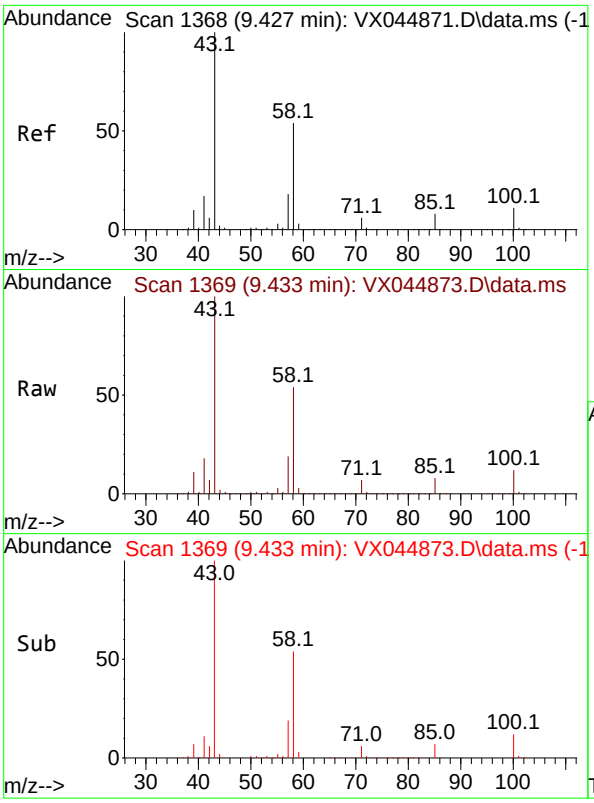


#58
2-Chloroethyl Vinyl ether
Concen: 794.010 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 982120

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9





#59
2-Hexanone
Concen: 736.622 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 126447

Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.5	82.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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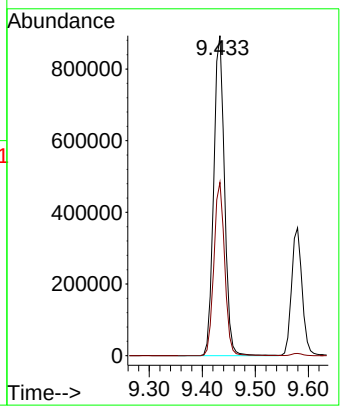
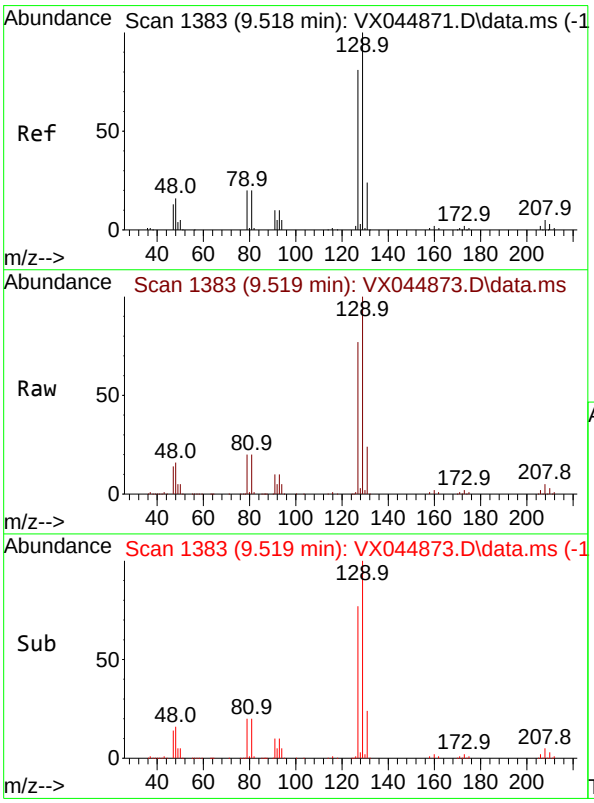
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

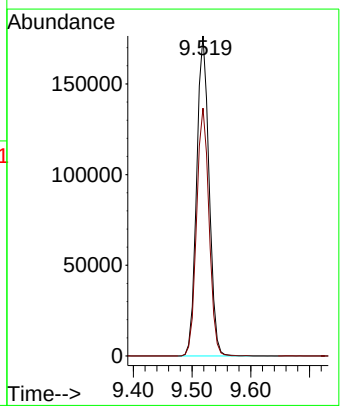


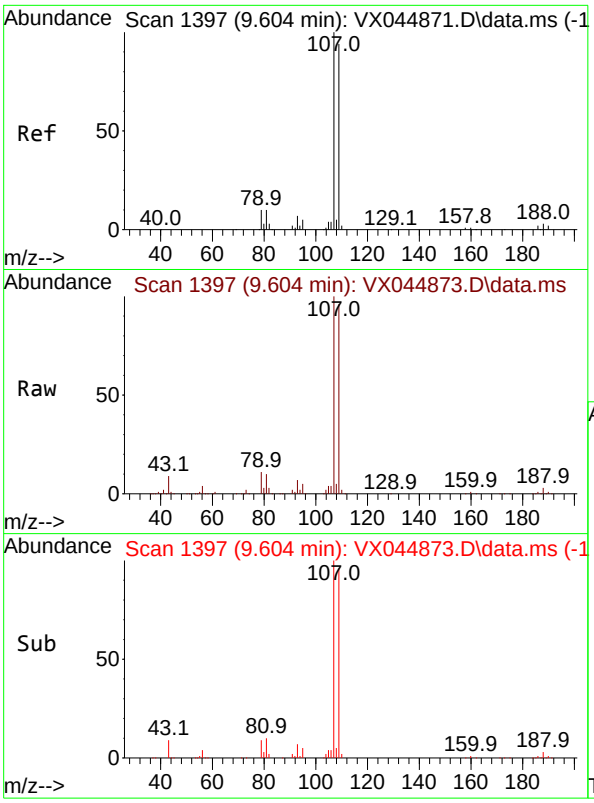


#60
Dibromochloromethane
Concen: 154.862 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:129 Resp: 258320

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.3





#61
1,2-Dibromoethane
Concen: 152.157 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:107 Resp: 240539

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.9	113.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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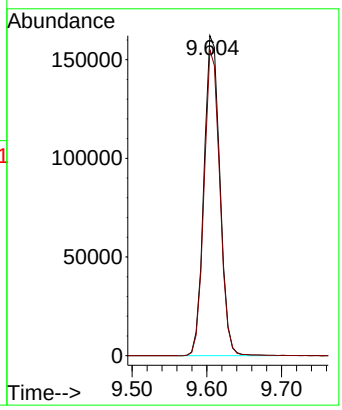
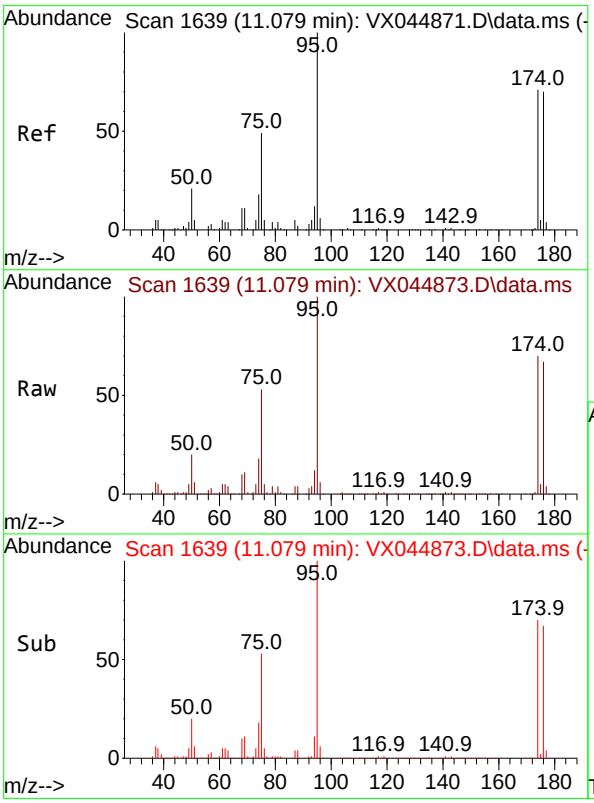
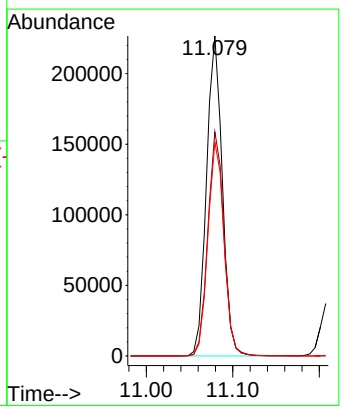


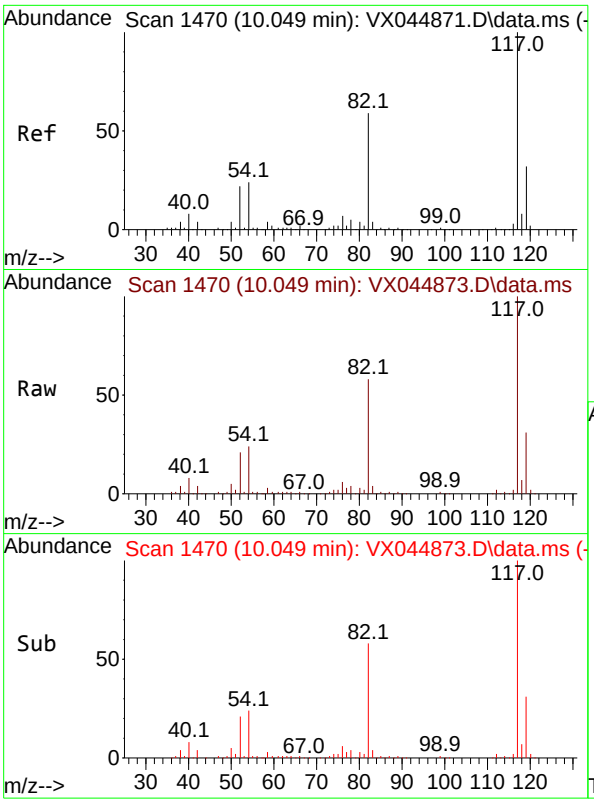


#62
4-Bromofluorobenzene
Concen: 149.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 95 Resp: 287486

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	142.6
176	68.0	0.0	141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:117 Resp: 19666

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.5	71.3
119	30.7	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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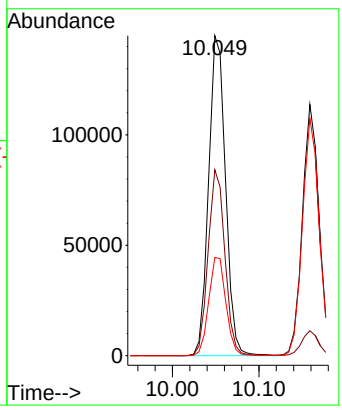
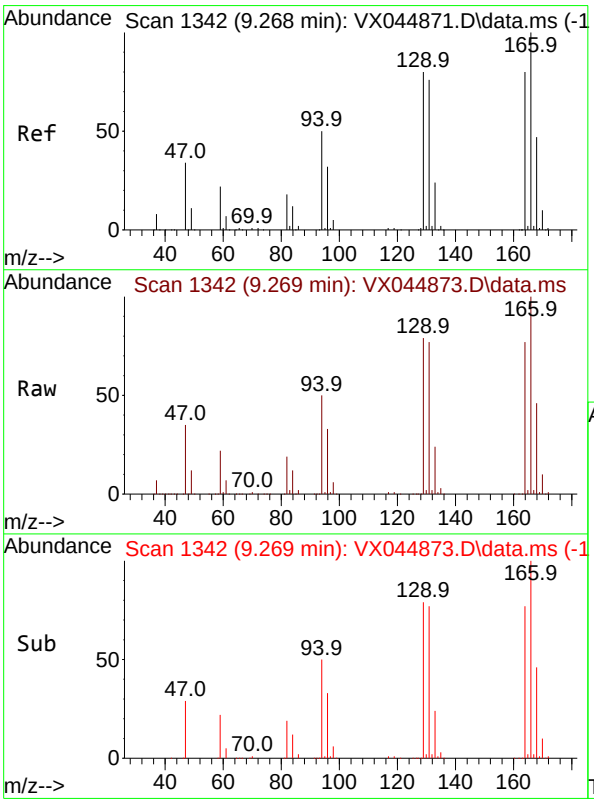
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

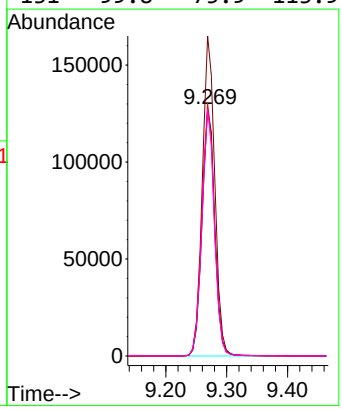


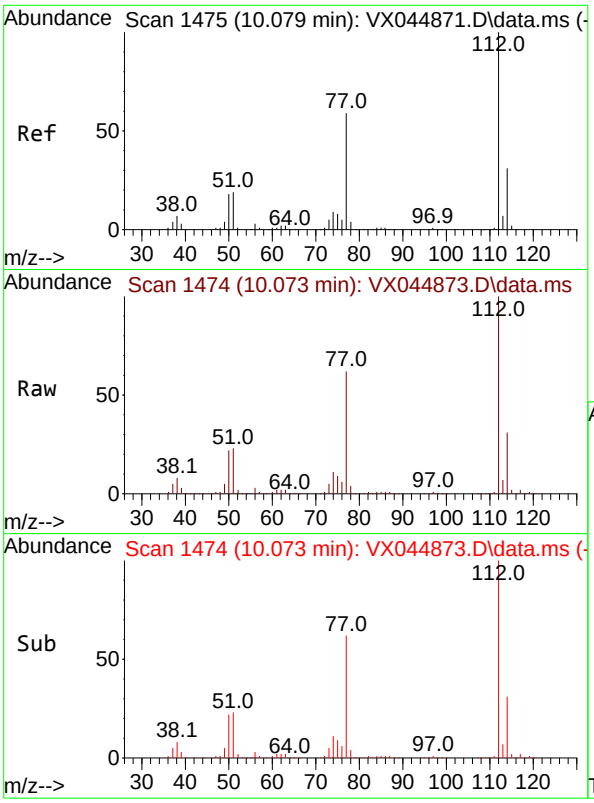


#64
Tetrachloroethene
Concen: 149.155 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:164 Resp: 184990

Ion	Ratio	Lower	Upper
164	100		
166	129.5	100.4	150.6
129	102.3	79.9	119.9
131	99.8	75.9	113.9





#65
Chlorobenzene
Concen: 150.224 ug/l
RT: 10.073 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:112 Resp: 63455

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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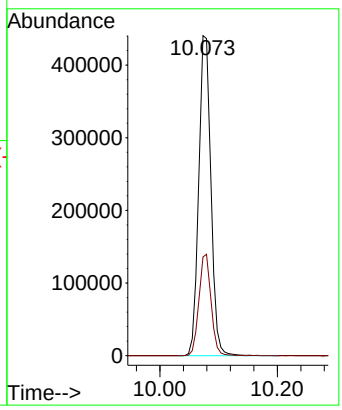
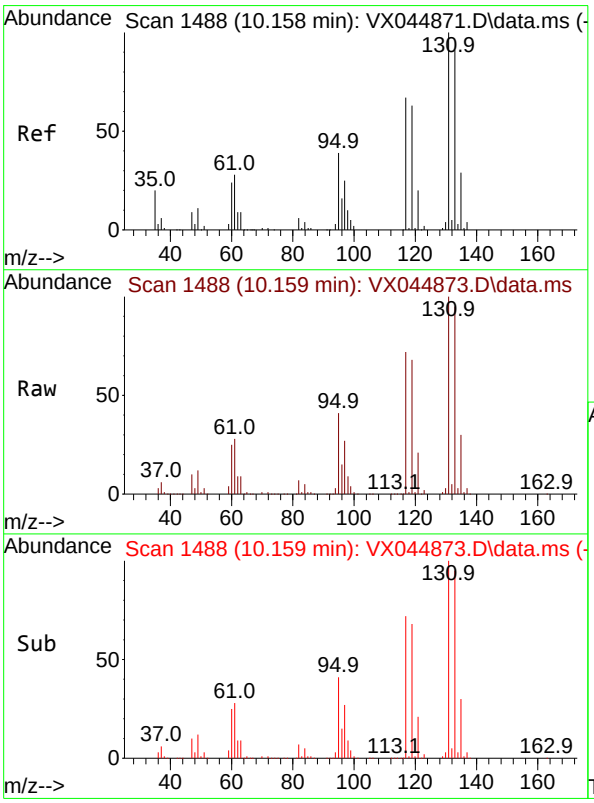
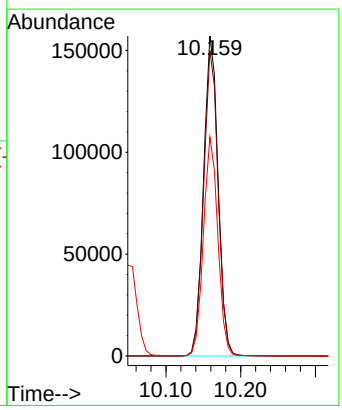


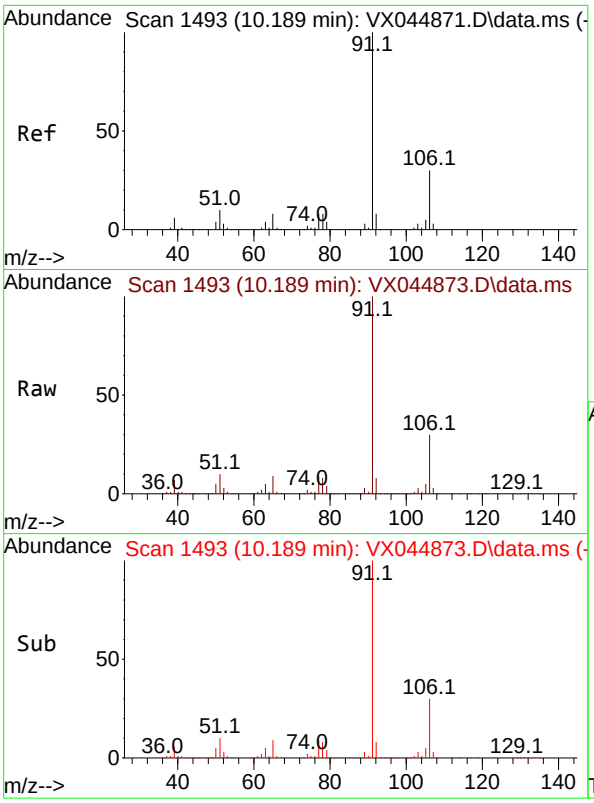


#66
1,1,1,2-Tetrachloroethane
Concen: 156.255 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:131 Resp: 212441

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.1	141.3
119	67.9	33.6	100.6





#67
Ethyl Benzene
Concen: 152.647 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 113784

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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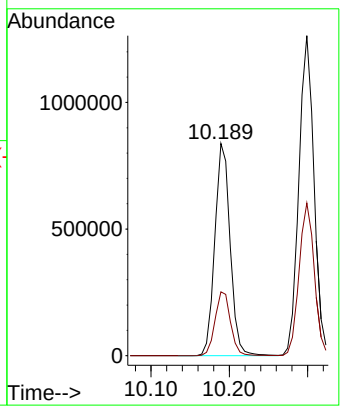
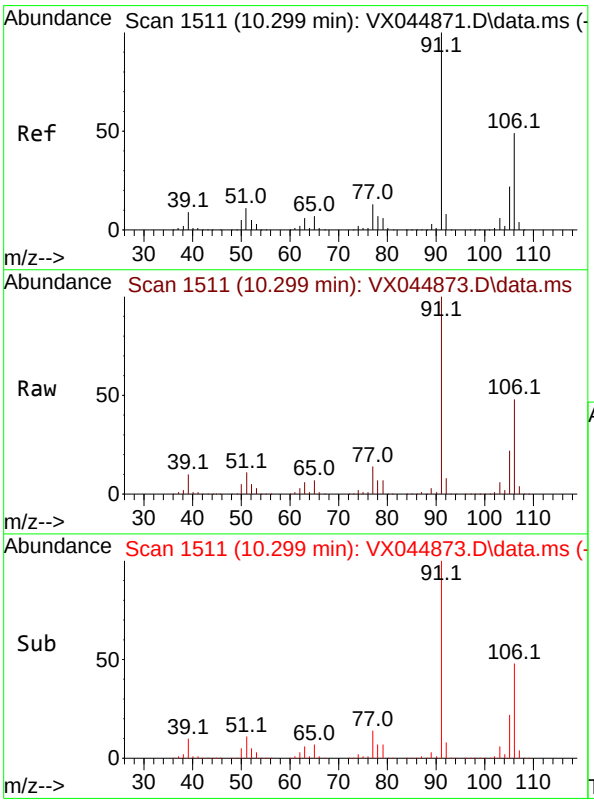
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

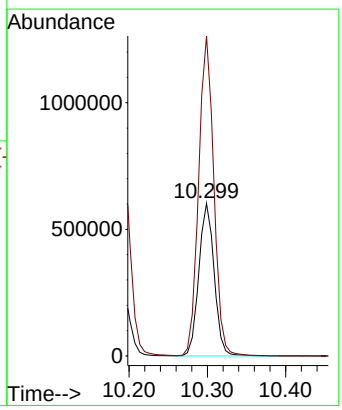


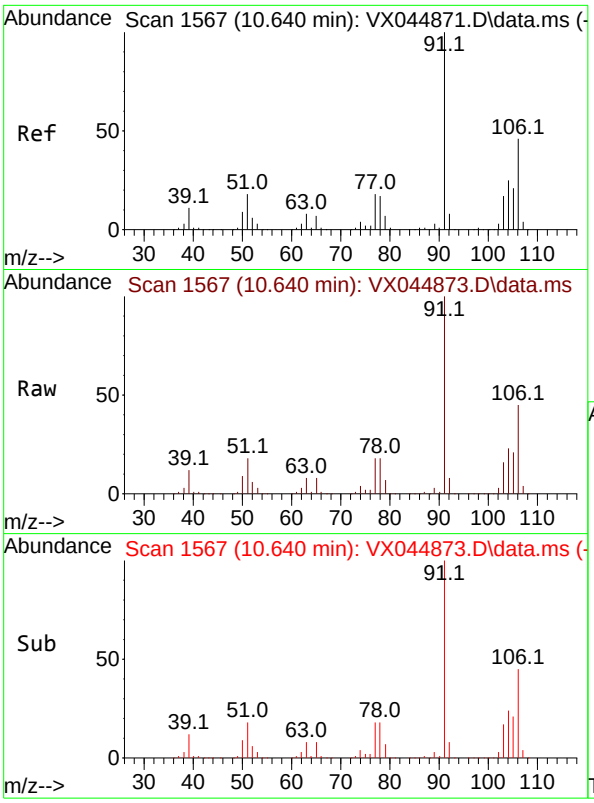


#68
m/p-Xylenes
Concen: 297.841 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:106 Resp: 818971

Ion	Ratio	Lower	Upper
106	100		
91	208.6	164.3	246.5





#69
o-Xylene
Concen: 145.674 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:106 Resp: 40192

Ion	Ratio	Lower	Upper
106	100		
91	218.9	108.5	325.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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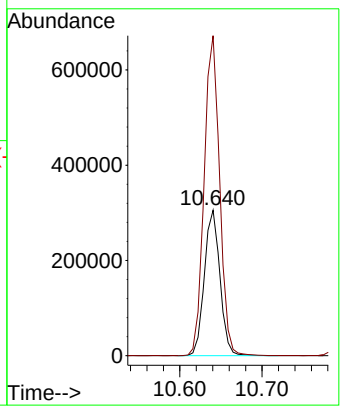
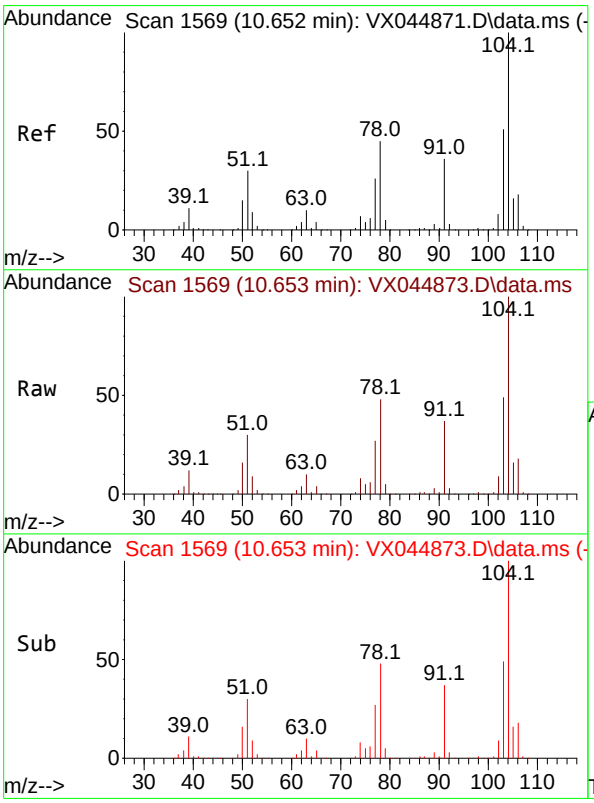
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

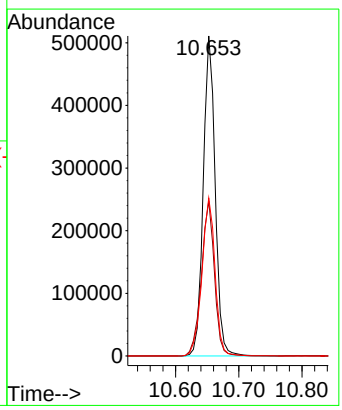


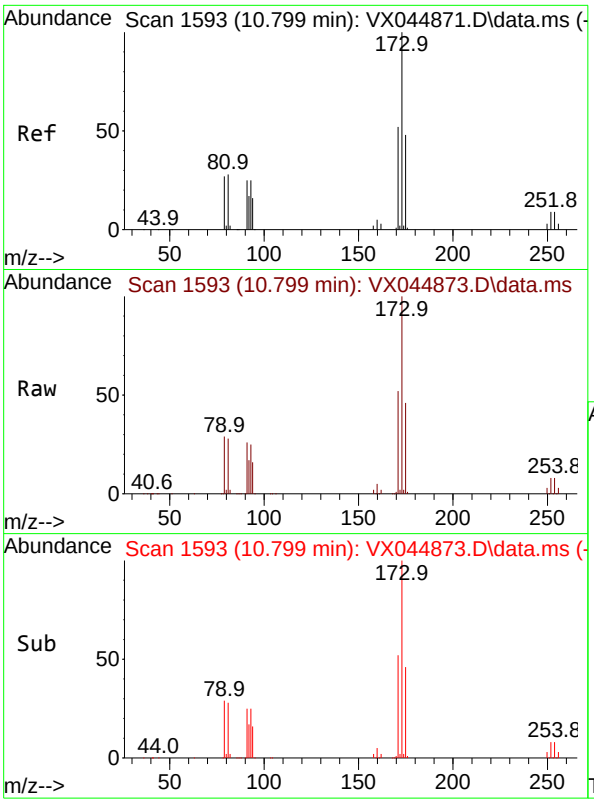


#70
Styrene
Concen: 151.140 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:104 Resp: 671843

Ion	Ratio	Lower	Upper
104	100		
78	53.0	40.5	60.7
103	54.5	43.6	65.4





#71
Bromoform
Concen: 167.033 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:173 Resp: 16948

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.3	72.8
254	0.1	0.0	0.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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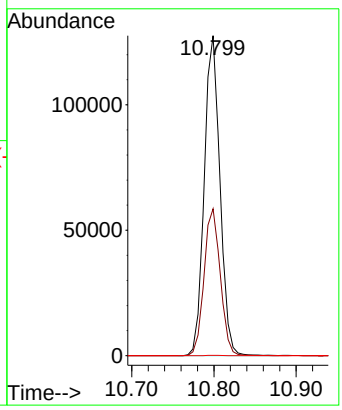
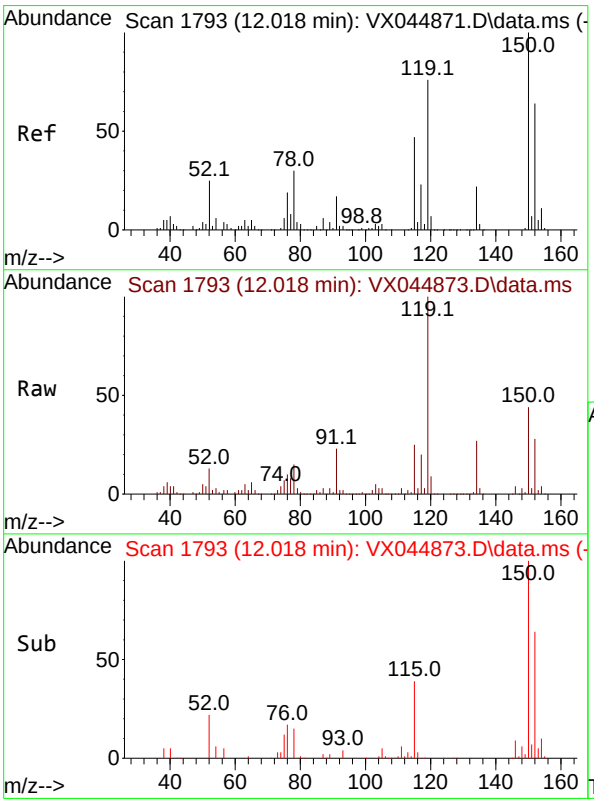
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

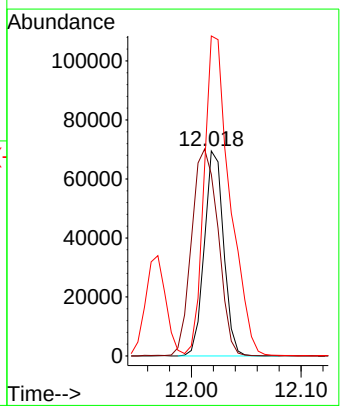


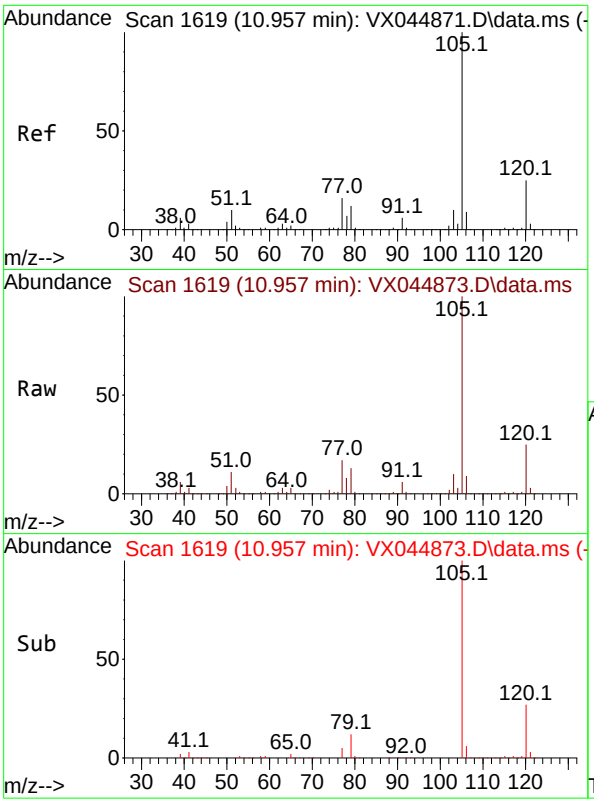


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:152 Resp: 84836

Ion	Ratio	Lower	Upper
152	100		
115	139.2	43.4	130.1#
150	209.6	0.0	350.4





#73
Isopropylbenzene
Concen: 151.869 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 103740

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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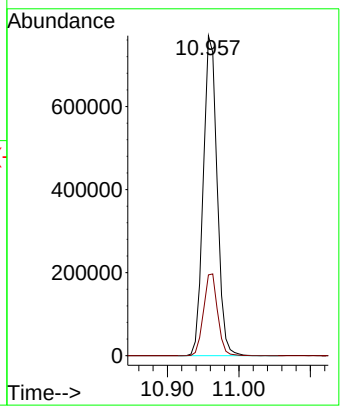
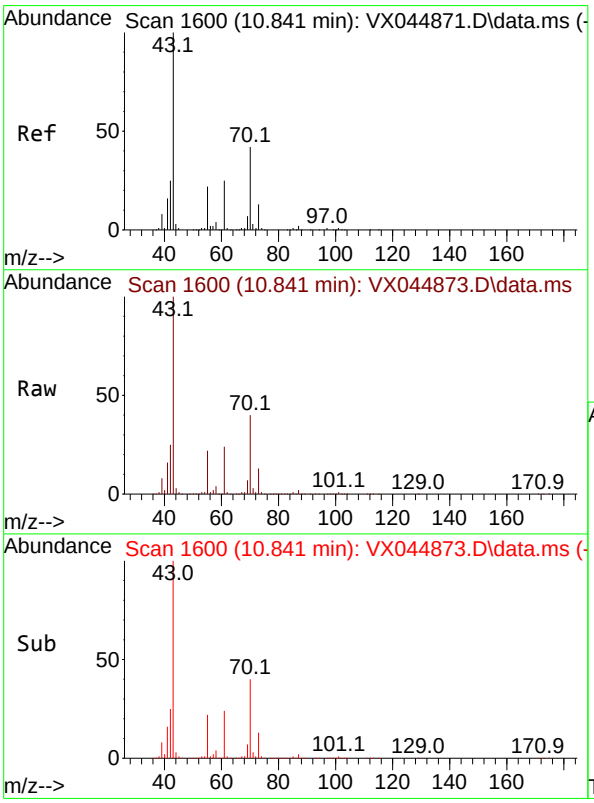
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

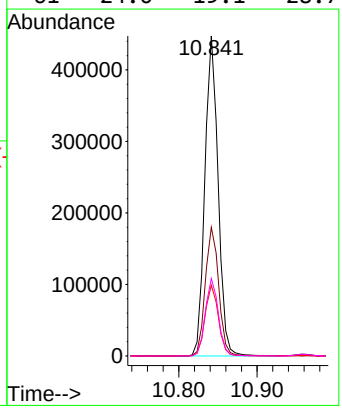


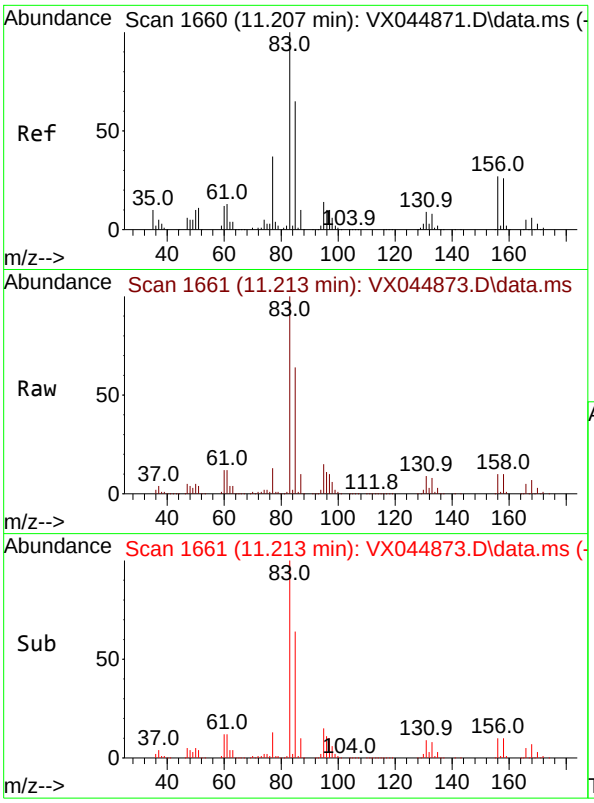


#74
N-amyl acetate
Concen: 168.861 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 521962

Ion	Ratio	Lower	Upper
43	100		
70	41.0	33.7	50.5
55	22.3	18.6	27.8
61	24.0	19.1	28.7





#75
1,1,2,2-Tetrachloroethane
Concen: 147.409 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 83 Resp: 34601

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.5
85	64.3	32.3	96.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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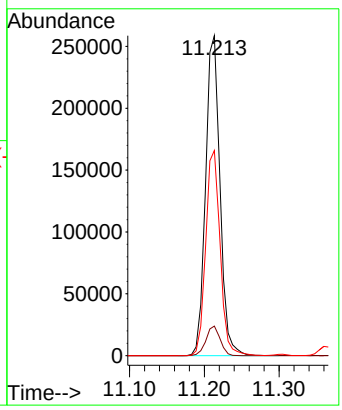
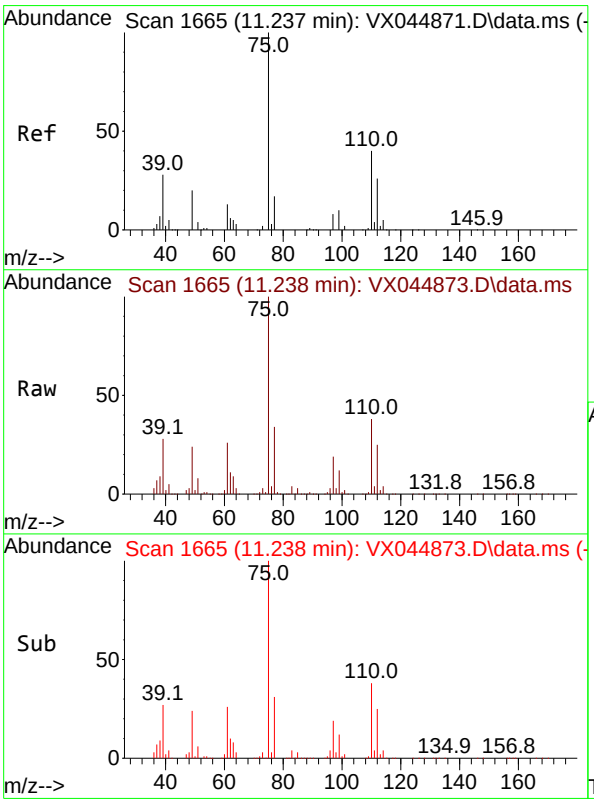
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

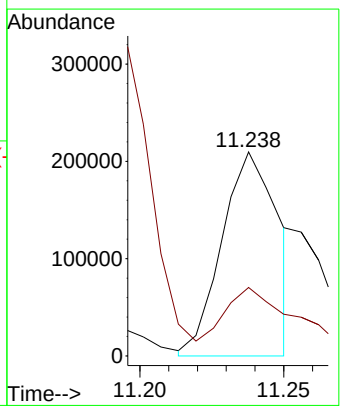


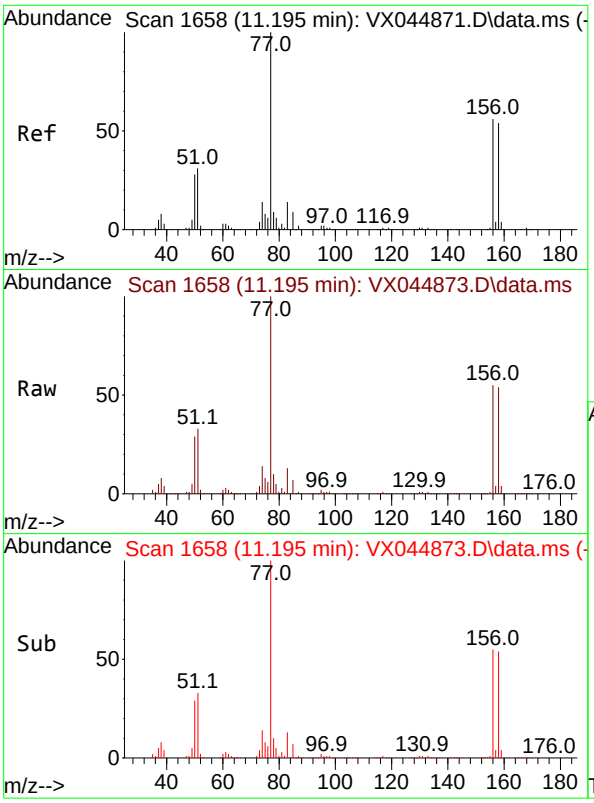


#76
1,2,3-Trichloropropane
Concen: 151.485 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 284934

Ion	Ratio	Lower	Upper
75	100		
77	44.3	21.9	65.7





#77
Bromobenzene
Concen: 151.715 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

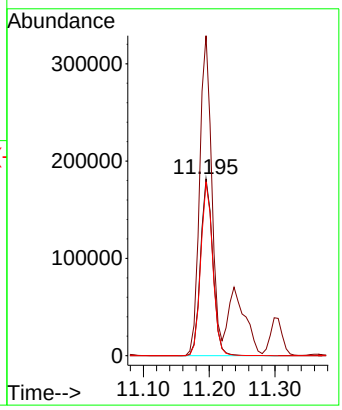
Tgt Ion:156 Resp: 23495

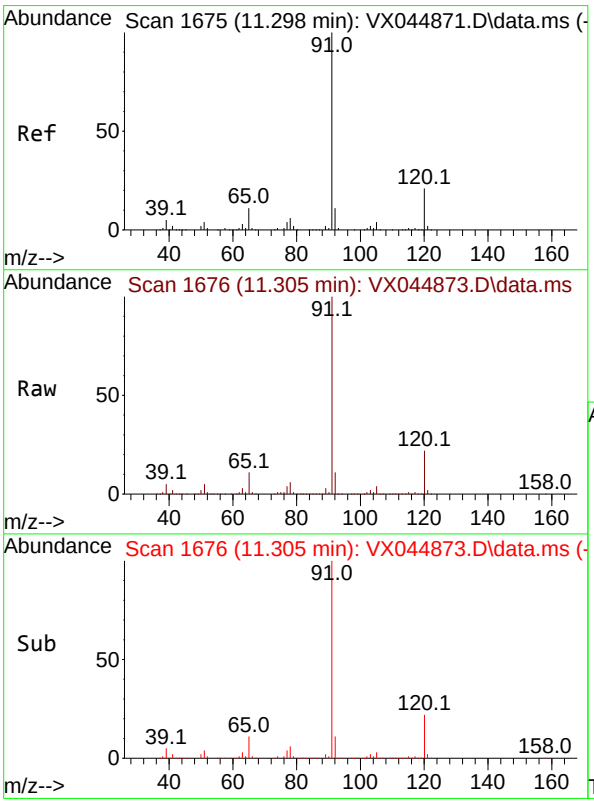
Ion	Ratio	Lower	Upper
156	100		
77	179.2	88.4	265.3
158	97.1	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

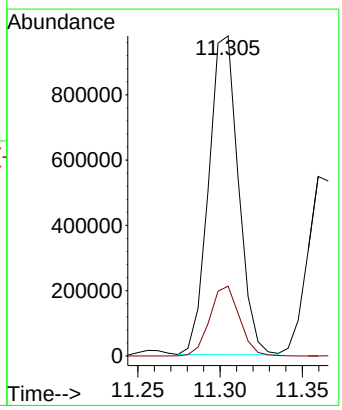


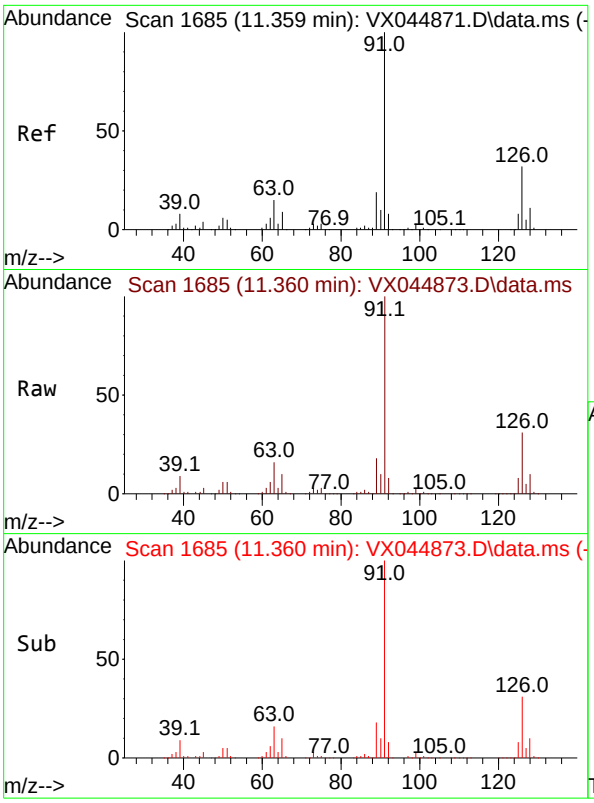


#78
n-propylbenzene
Concen: 156.140 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 1231079

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3





#79
2-Chlorotoluene
Concen: 148.123 ug/l
RT: 11.360 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 71776(

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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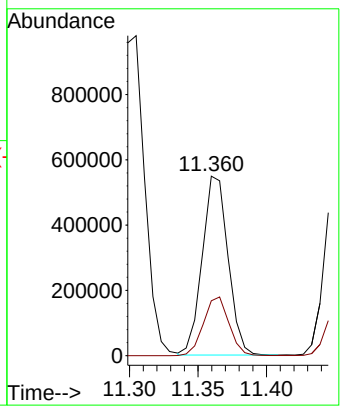
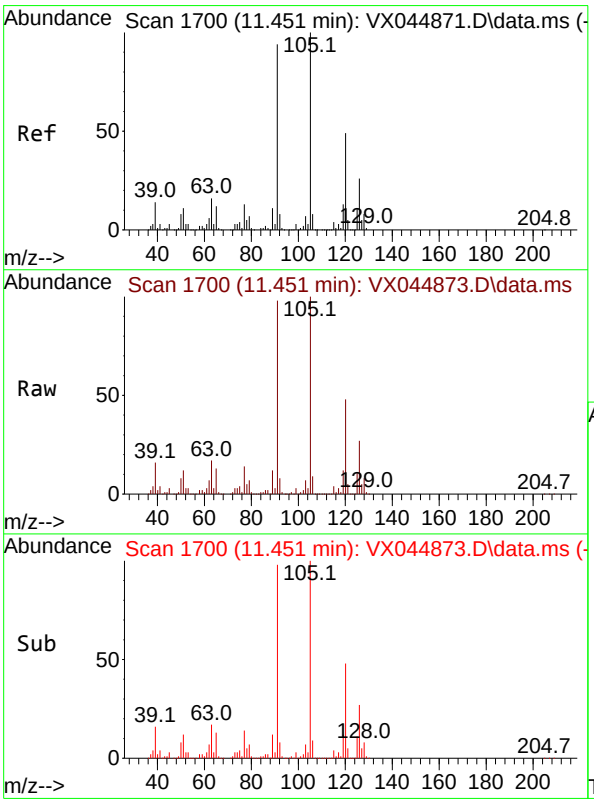
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

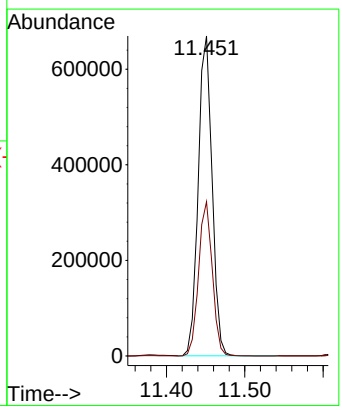


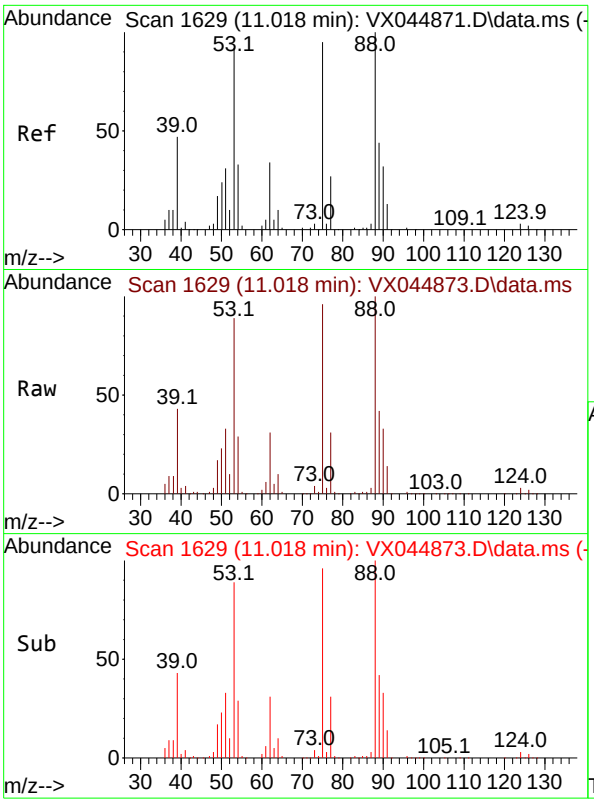


#80
1,3,5-Trimethylbenzene
Concen: 148.415 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 822707

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 173.221 ug/l
RT: 11.018 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 12666(

Ion	Ratio	Lower	Upper
75	100		
53	95.2	78.0	117.0
89	44.7	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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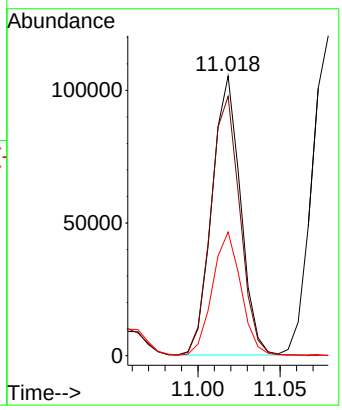
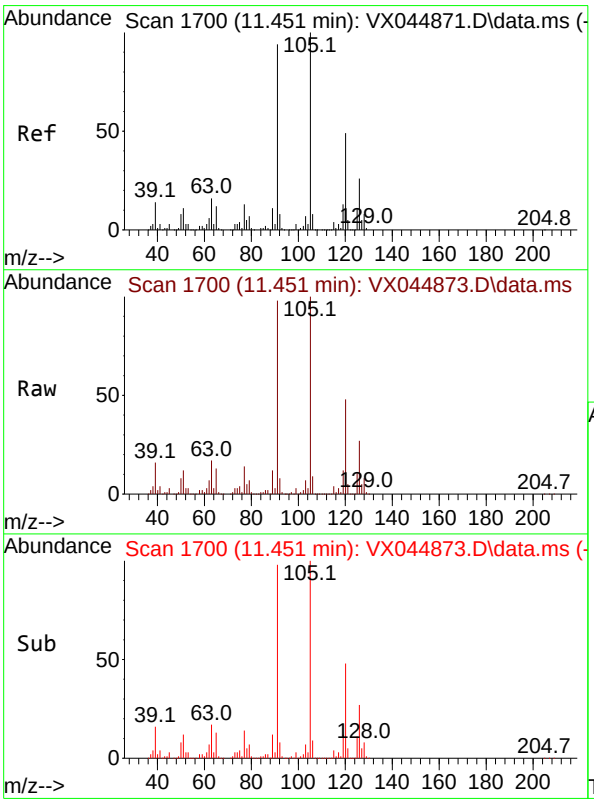
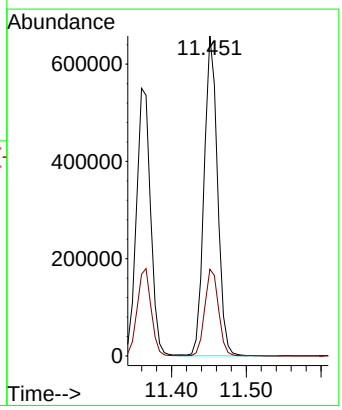


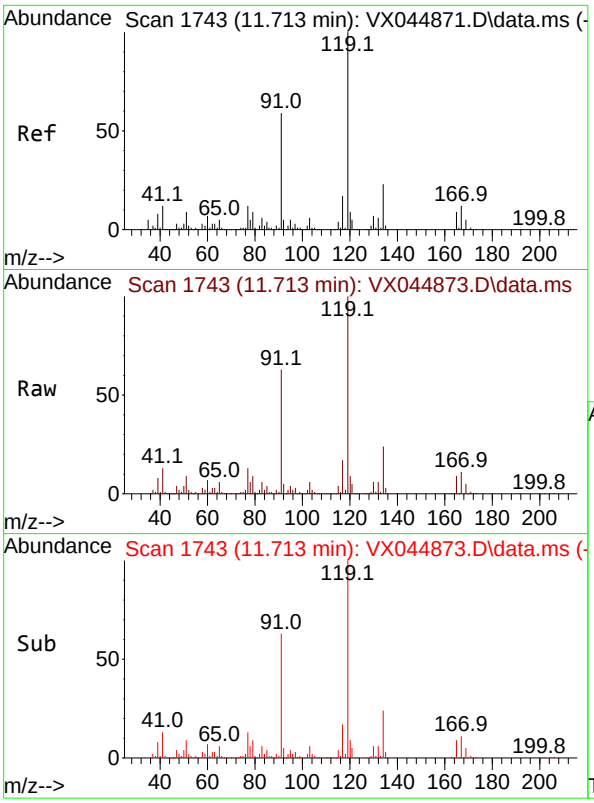


#82
4-Chlorotoluene
Concen: 152.602 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 818099

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.2	42.6





#83
tert-Butylbenzene
Concen: 149.610 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:119 Resp: 83897

Ion	Ratio	Lower	Upper
119	100		
91	61.1	29.1	87.4
134	22.9	11.5	34.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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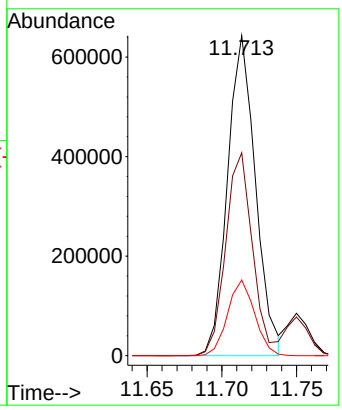
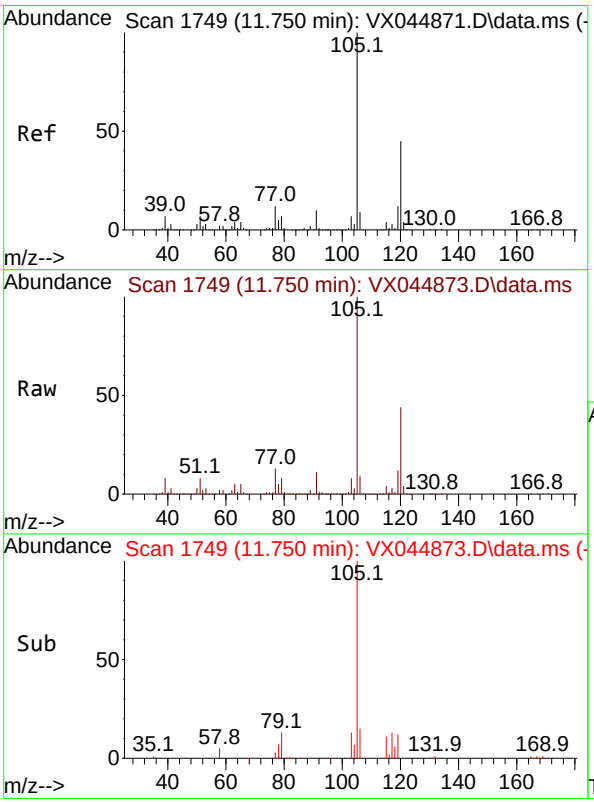
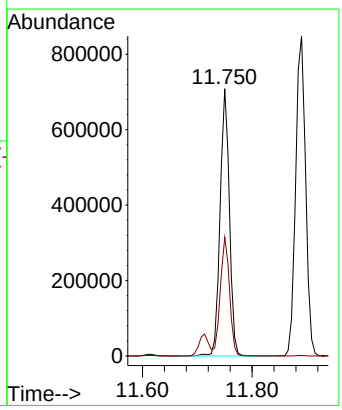


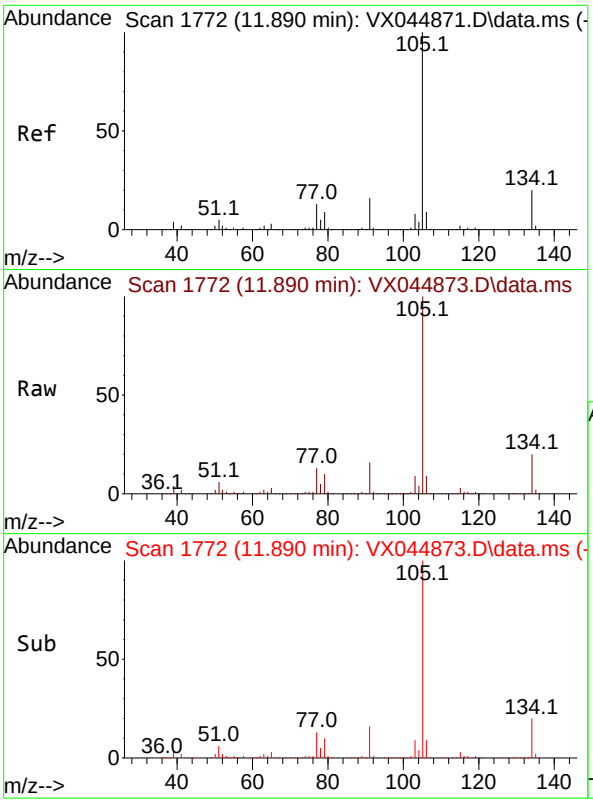


#84
1,2,4-Trimethylbenzene
Concen: 153.274 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 838584

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.4	67.0





#85
sec-Butylbenzene
Concen: 152.806 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 106110

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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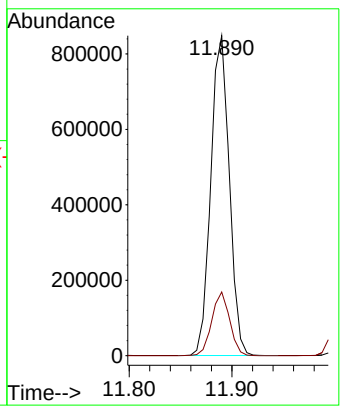
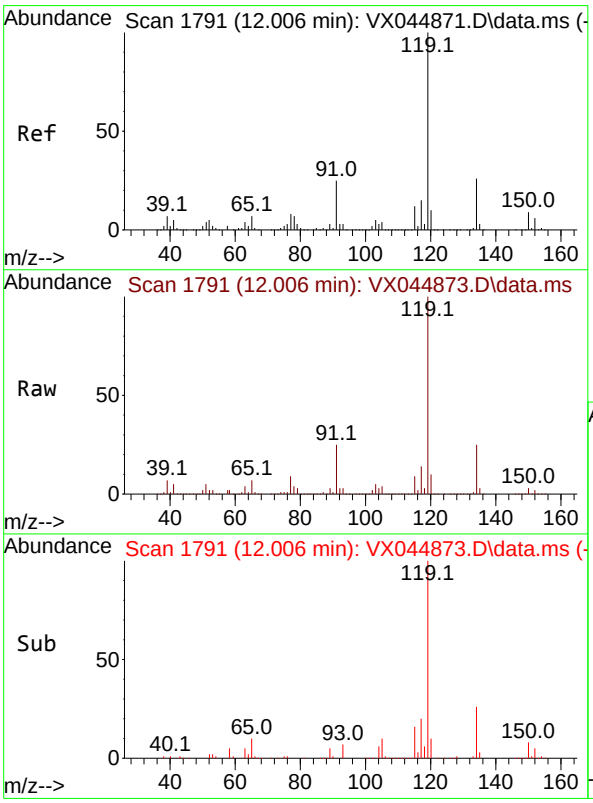
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

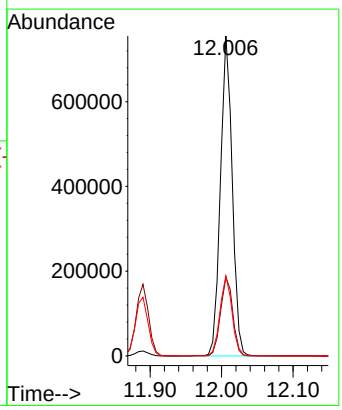


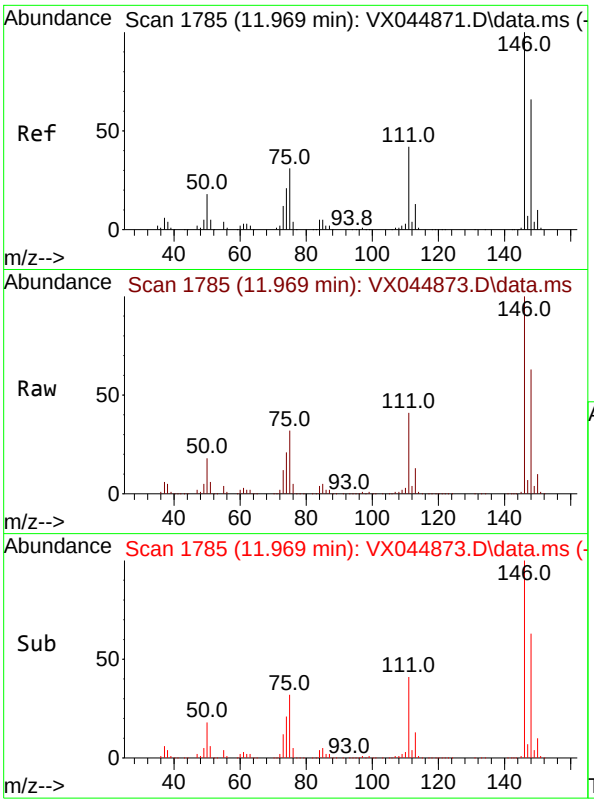


#86
p-Isopropyltoluene
Concen: 154.987 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:119 Resp: 865491

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.3	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 152.175 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:146 Resp: 43338

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	63.9	32.5	97.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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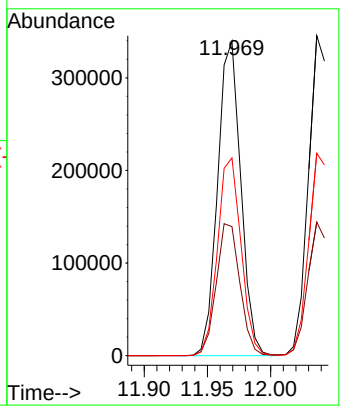
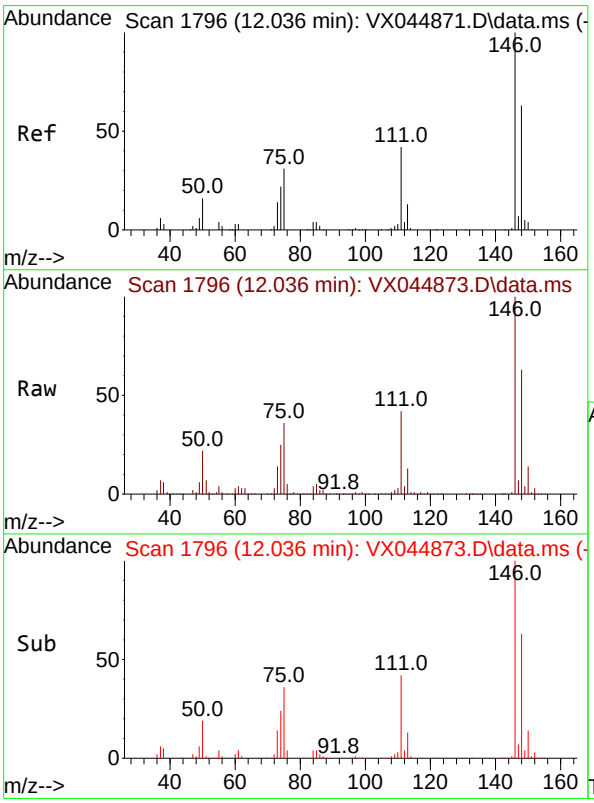
Supervised By :Mahesh Dadoda 02/11/2025

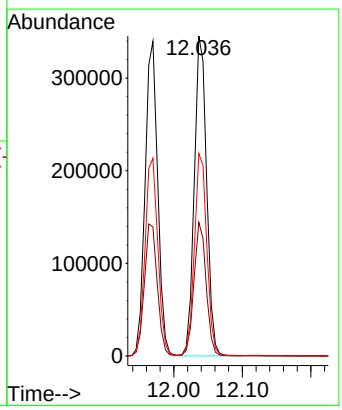


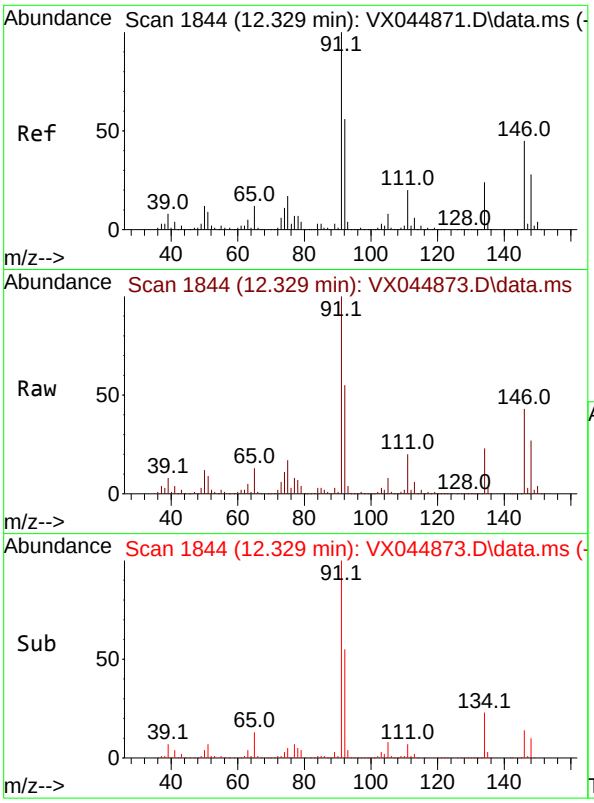


#88
1,4-Dichlorobenzene
Concen: 150.362 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:146 Resp: 432987

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.7	32.0	96.0





#89
n-Butylbenzene
Concen: 167.469 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 82735

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	24.0	12.1	36.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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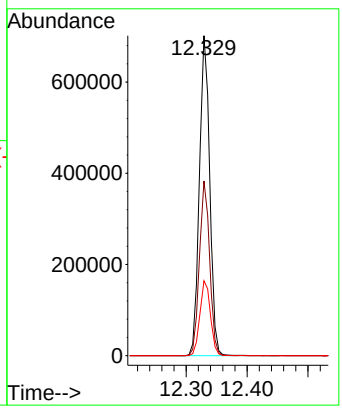
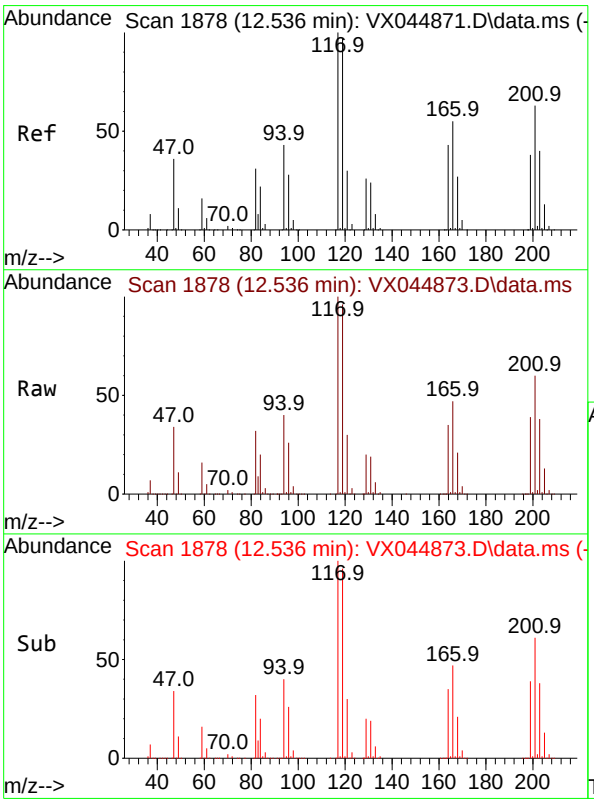
Supervised By :Mahesh Dadoda 02/11/2025

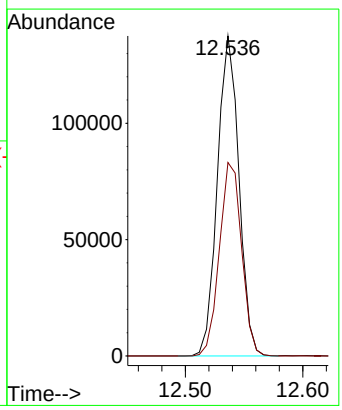


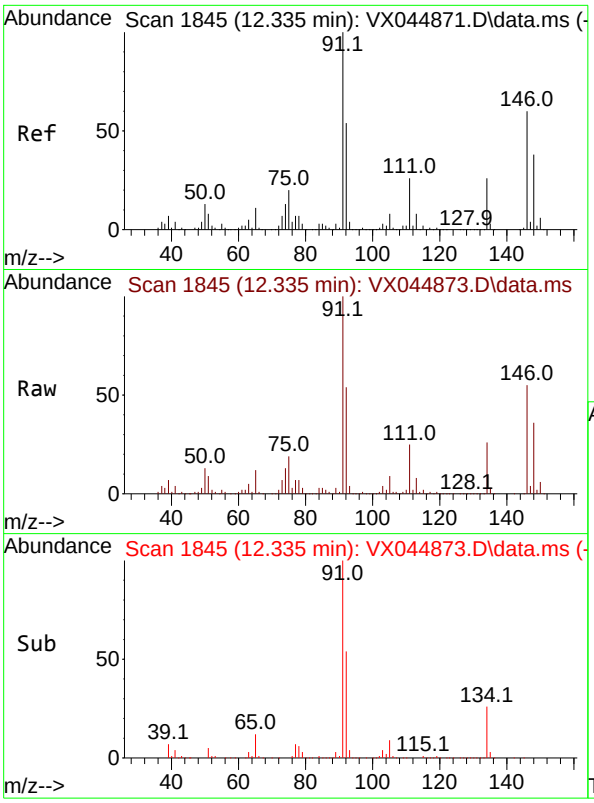


#90
Hexachloroethane
Concen: 167.760 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:117 Resp: 175414

Ion	Ratio	Lower	Upper
117	100		
201	62.4	32.5	97.5





#91
1,2-Dichlorobenzene
Concen: 149.042 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:146 Resp: 41716

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.8	65.4
148	64.1	31.9	95.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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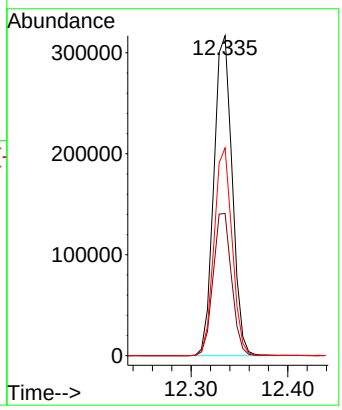
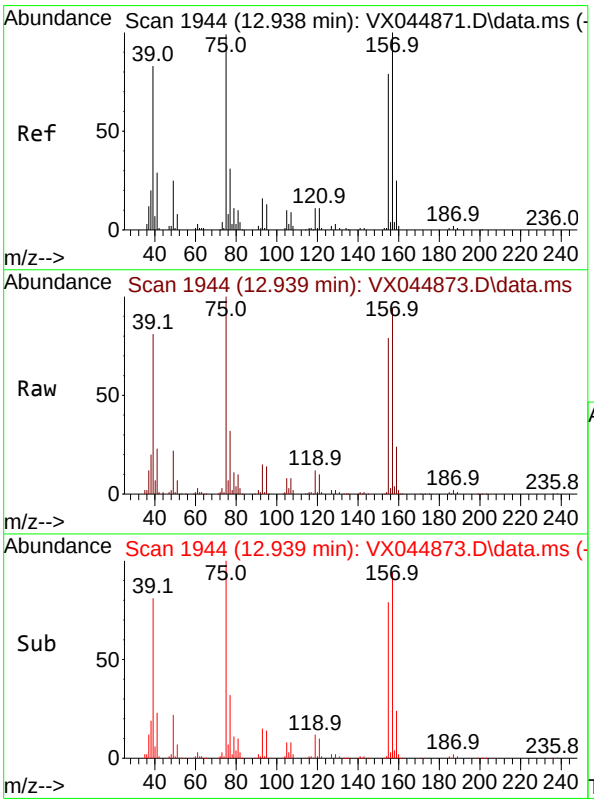
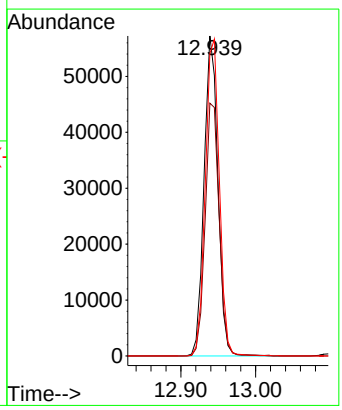


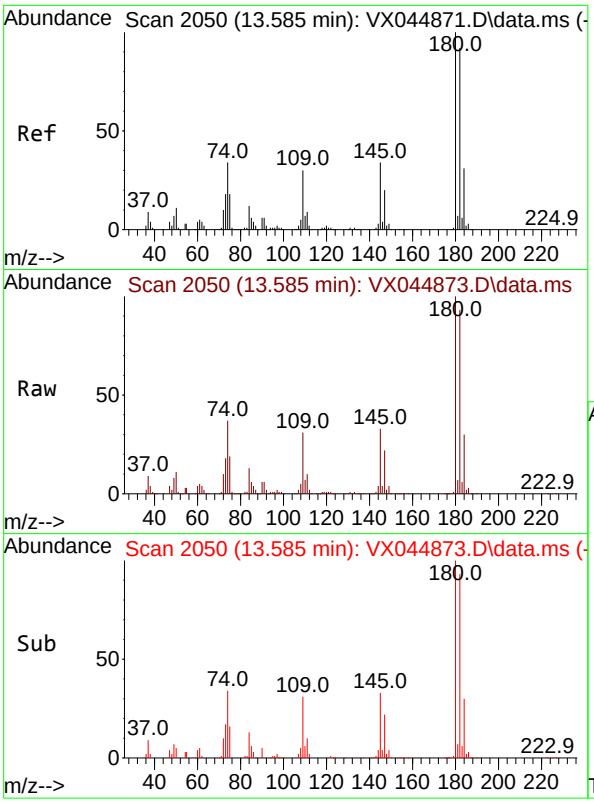


#92
1,2-Dibromo-3-Chloropropane
Concen: 171.783 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 73593

Ion	Ratio	Lower	Upper
75	100		
155	80.1	40.5	121.4
157	100.5	51.4	154.3





#93
1,2,4-Trichlorobenzene
Concen: 167.095 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:180 Resp: 28300

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.6	142.8
145	32.8	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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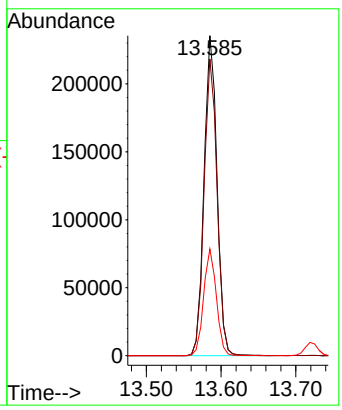
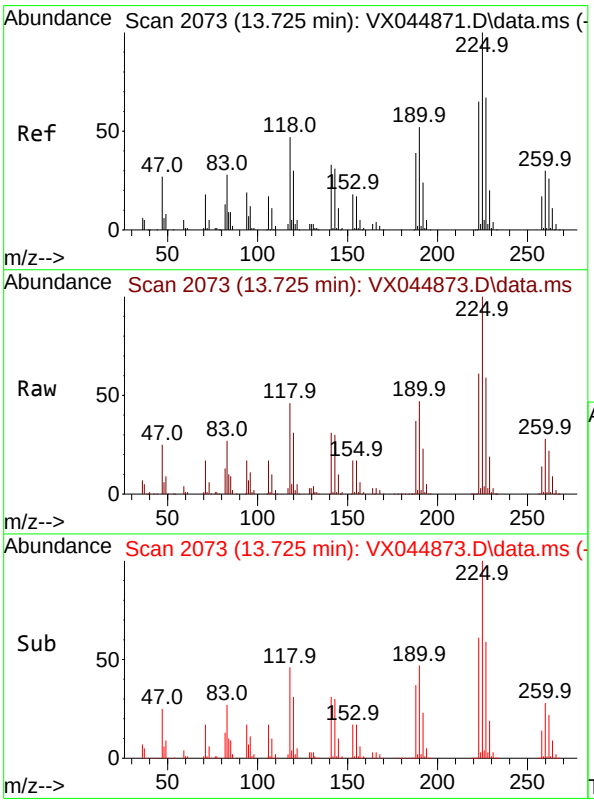
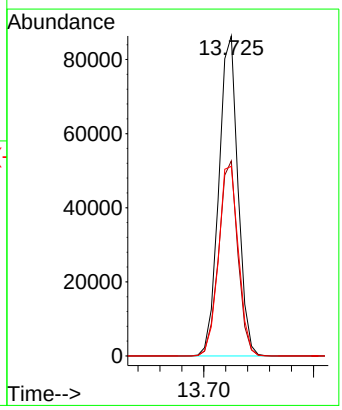


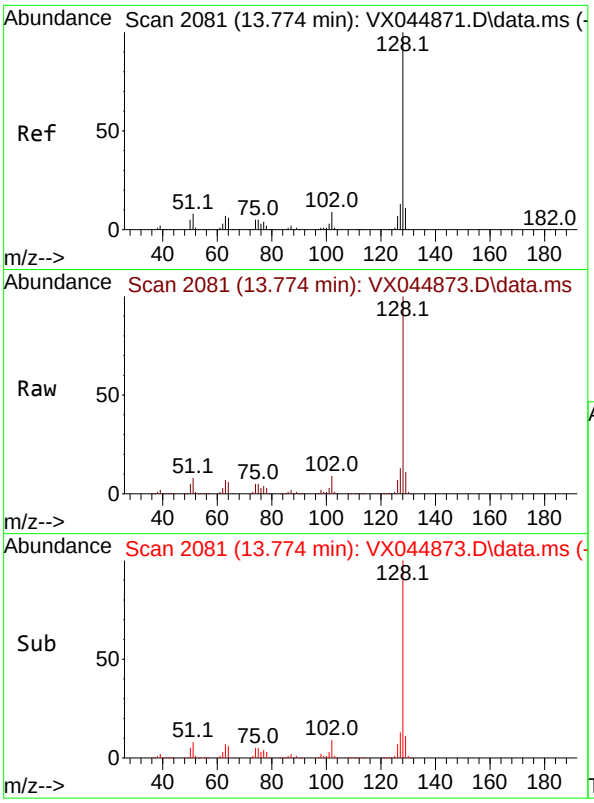


#94
Hexachlorobutadiene
Concen: 155.682 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:225 Resp: 104674

Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.4	94.2
227	61.9	32.3	96.8





#95
Naphthalene
Concen: 165.916 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

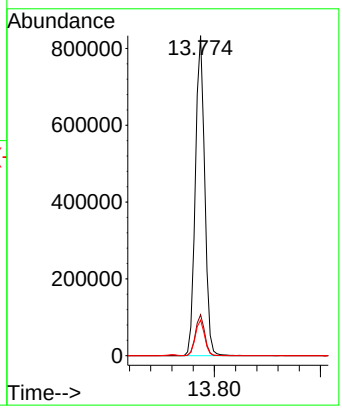
Tgt Ion:128 Resp: 101580

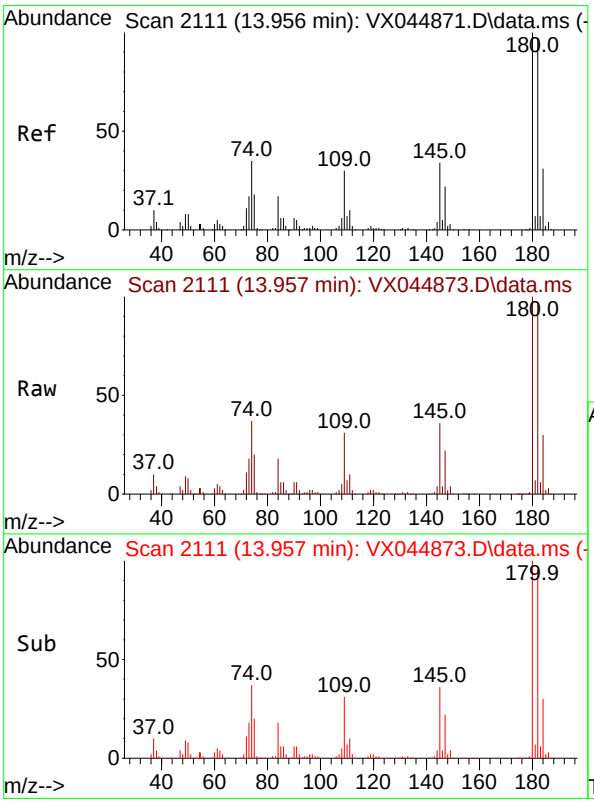
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.0	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

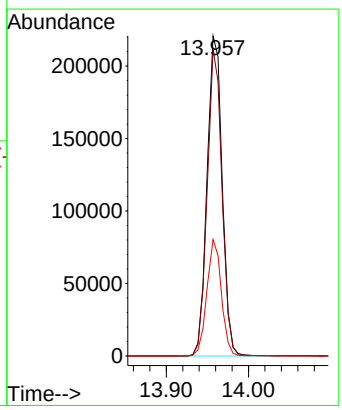




#96
1,2,3-Trichlorobenzene
Concen: 165.408 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:180 Resp: 282289

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.6
145	34.9	17.1	51.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	135936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95635	48.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.120%			
35) Dibromofluoromethane	5.379	113	78360	49.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.647	98	299178	49.649	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.300%			
62) 4-Bromofluorobenzene	11.079	95	105201	51.786	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	93752	49.173	ug/l	99
3) Chloromethane	1.300	50	110431	47.590	ug/l	98
4) Vinyl Chloride	1.374	62	105730	47.033	ug/l	100
5) Bromomethane	1.593	94	31428	46.719	ug/l	97
6) Chloroethane	1.660	64	37913	42.198	ug/l	99
7) Trichlorofluoromethane	1.867	101	138044	48.558	ug/l	97
8) Diethyl Ether	2.130	74	49018	47.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	86892	50.588	ug/l	98
10) Methyl Iodide	2.447	142	111488	50.082	ug/l	100
11) Tert butyl alcohol	2.983	59	92949	251.791	ug/l	100
12) 1,1-Dichloroethene	2.306	96	83987	47.935	ug/l	95
13) Acrolein	2.233	56	91744	240.879	ug/l	98
14) Allyl chloride	2.654	41	155084	48.976	ug/l	99
15) Acrylonitrile	3.062	53	247921	251.537	ug/l	99
16) Acetone	2.379	43	205743	257.198	ug/l	98
17) Carbon Disulfide	2.501	76	237694	49.472	ug/l	100
18) Methyl Acetate	2.703	43	126015	49.920	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	275685	49.453	ug/l	99
20) Methylene Chloride	2.782	84	94006	47.978	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	84720	49.129	ug/l	98
22) Diisopropyl ether	3.757	45	300357	50.138	ug/l	98
23) Vinyl Acetate	3.715	43	1257431	257.465	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165351	49.329	ug/l	99
25) 2-Butanone	4.556	43	335358	258.175	ug/l	97
26) 2,2-Dichloropropane	4.464	77	133670	50.285	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	102518	49.493	ug/l	99
28) Bromochloromethane	4.891	49	72893	45.250	ug/l	99
29) Tetrahydrofuran	5.001	42	218496	253.318	ug/l	100
30) Chloroform	5.086	83	157312	48.393	ug/l	98
31) Cyclohexane	5.458	56	152073	49.211	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	134626	48.825	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111968	48.702	ug/l	99
37) Ethyl Acetate	4.708	43	126071	49.300	ug/l	99
38) Carbon Tetrachloride	5.672	117	110581	49.083	ug/l	97
39) Methylcyclohexane	7.372	83	158289	53.254	ug/l	98
40) Benzene	6.031	78	358365	49.919	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.910	41	73559	53.741 ug/l	99
42) 1,2-Dichloroethane	6.080	62	115339	50.410 ug/l	100
43) Isopropyl Acetate	6.336	43	213901	51.798 ug/l	100
44) Trichloroethene	7.116	130	81911	49.917 ug/l	99
45) 1,2-Dichloropropane	7.427	63	89992	50.387 ug/l	98
46) Dibromomethane	7.580	93	61360	49.540 ug/l	99
47) Bromodichloromethane	7.818	83	122265	50.980 ug/l	99
48) Methyl methacrylate	7.690	41	102900	52.848 ug/l	99
49) 1,4-Dioxane	7.659	88	42658	1021.138 ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	665564	265.112 ug/l	100
52) Toluene	8.714	92	216682	50.680 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	130405	53.731 ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	143379	52.986 ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	83510	50.811 ug/l	100
56) Ethyl methacrylate	9.116	69	143524	54.068 ug/l	99
57) 1,3-Dichloropropane	9.305	76	146236	50.852 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	370622	284.352 ug/l	99
59) 2-Hexanone	9.427	43	488298	269.951 ug/l	99
60) Dibromochloromethane	9.518	129	90826	51.673 ug/l	99
61) 1,2-Dibromoethane	9.604	107	85683	51.436 ug/l	100
64) Tetrachloroethene	9.268	164	66468	49.424 ug/l	98
65) Chlorobenzene	10.079	112	233373	50.952 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	75488	51.205 ug/l	98
67) Ethyl Benzene	10.189	91	415575	51.415 ug/l	99
68) m/p-Xylenes	10.299	106	310925	104.282 ug/l	100
69) o-Xylene	10.640	106	151995	50.804 ug/l	100
70) Styrene	10.652	104	257972	53.521 ug/l	100
71) Bromoform	10.799	173	59409	53.997 ug/l #	100
73) Isopropylbenzene	10.957	105	390246	49.921 ug/l	100
74) N-amyl acetate	10.841	43	186145	52.621 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	129829	48.331 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	106893m	49.659 ug/l	
77) Bromobenzene	11.195	156	88129	49.725 ug/l	100
78) n-propylbenzene	11.299	91	463655	51.386 ug/l	99
79) 2-Chlorotoluene	11.360	91	272091	49.065 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	323251	50.956 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	44070	52.665 ug/l	99
82) 4-Chlorotoluene	11.451	91	312112	50.872 ug/l	100
83) tert-Butylbenzene	11.713	119	321772	50.139 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	323035	51.593 ug/l	100
85) sec-Butylbenzene	11.890	105	410197	51.617 ug/l	100
86) p-Isopropyltoluene	12.006	119	336027	52.581 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	164508	50.475 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	163203	49.526 ug/l	100
89) n-Butylbenzene	12.329	91	311764	55.142 ug/l	100
90) Hexachloroethane	12.536	117	61016	50.990 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	161590	50.447 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25339	51.684 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	102197	52.726 ug/l	99
94) Hexachlorobutadiene	13.719	225	38998	50.683 ug/l	98
95) Naphthalene	13.774	128	371576	53.033 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	100730	51.575 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
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Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

ICAL Form

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Quant Time: Feb 11 06:02:06 2025
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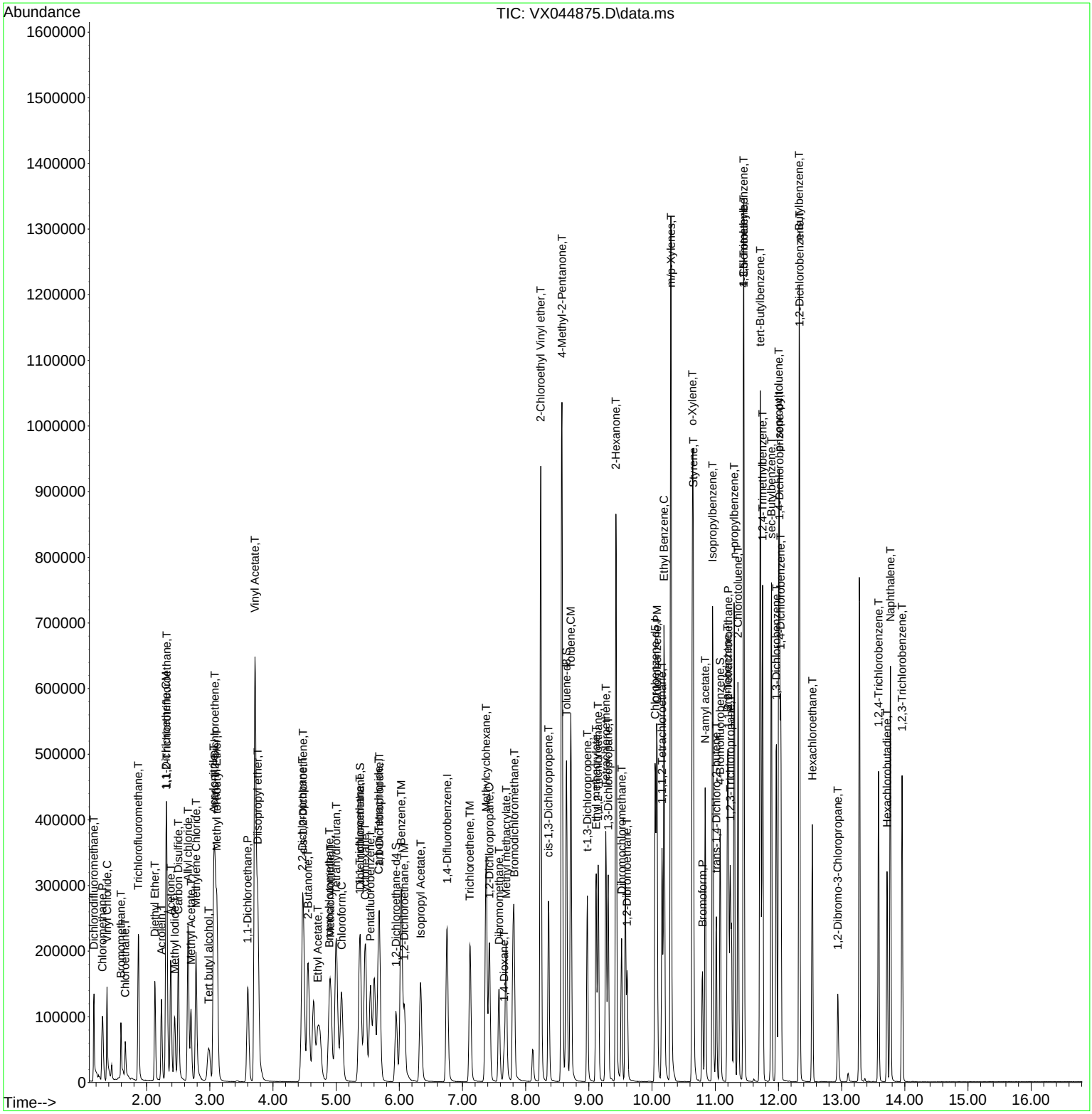
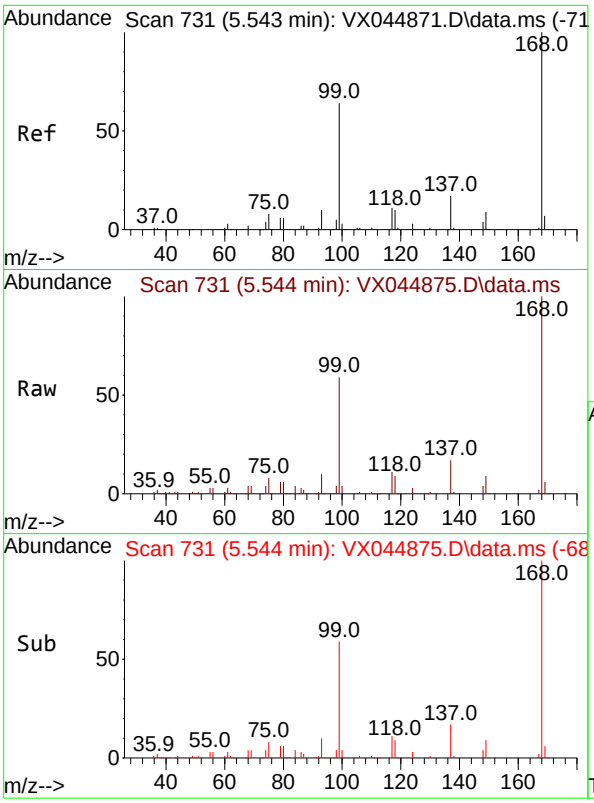
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:168 Resp: 13593

Ion	Ratio	Lower	Upper
168	100		
99	59.3	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

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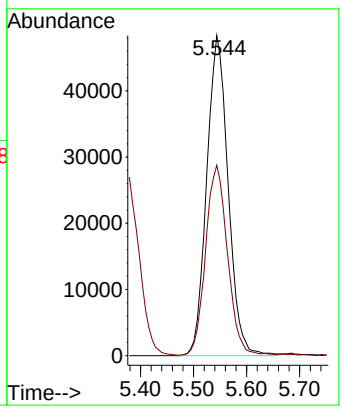
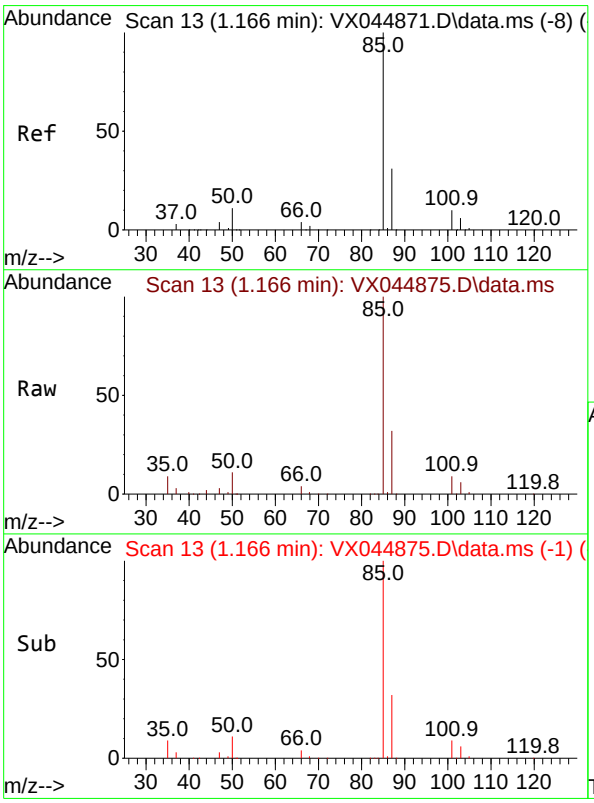
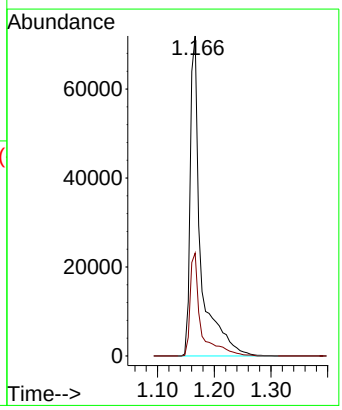


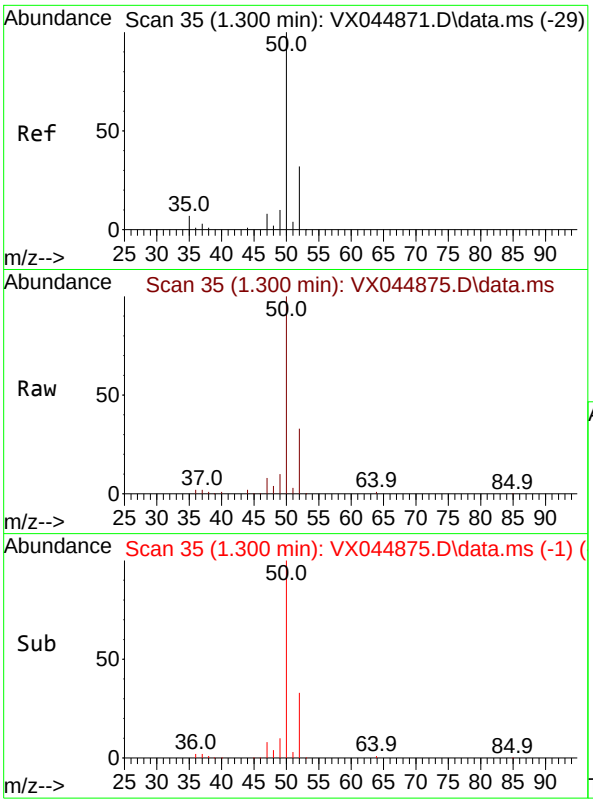


#2
Dichlorodifluoromethane
Concen: 49.173 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 85 Resp: 93752

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3





#3
Chloromethane
Concen: 47.590 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 50 Resp: 11043

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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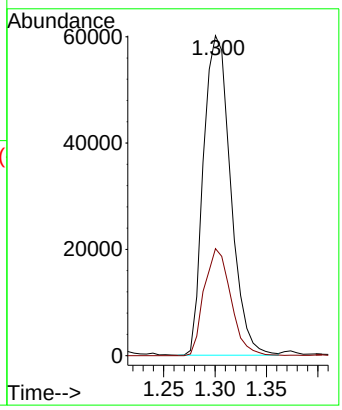
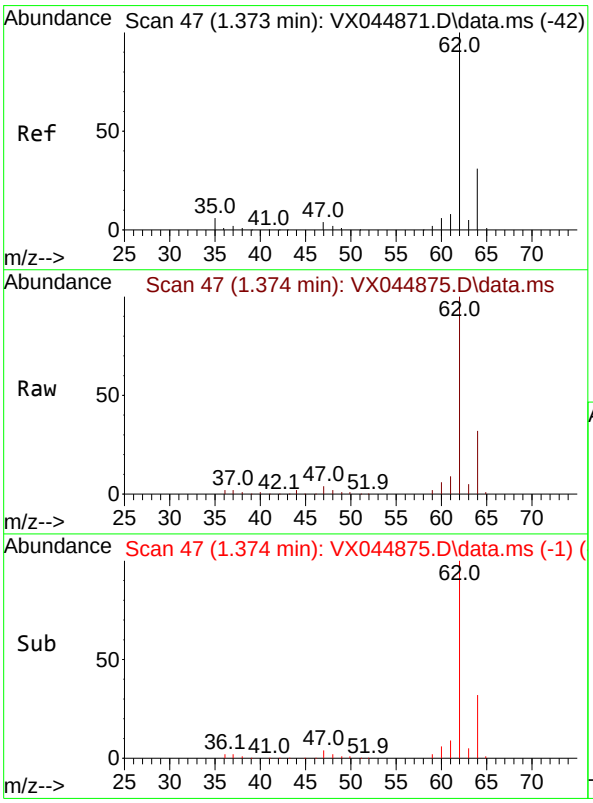
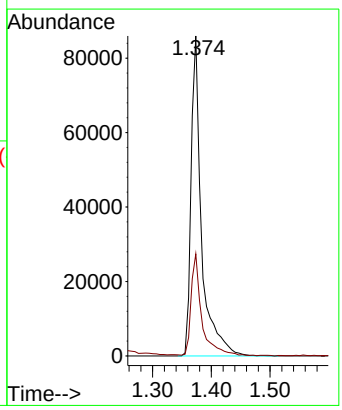


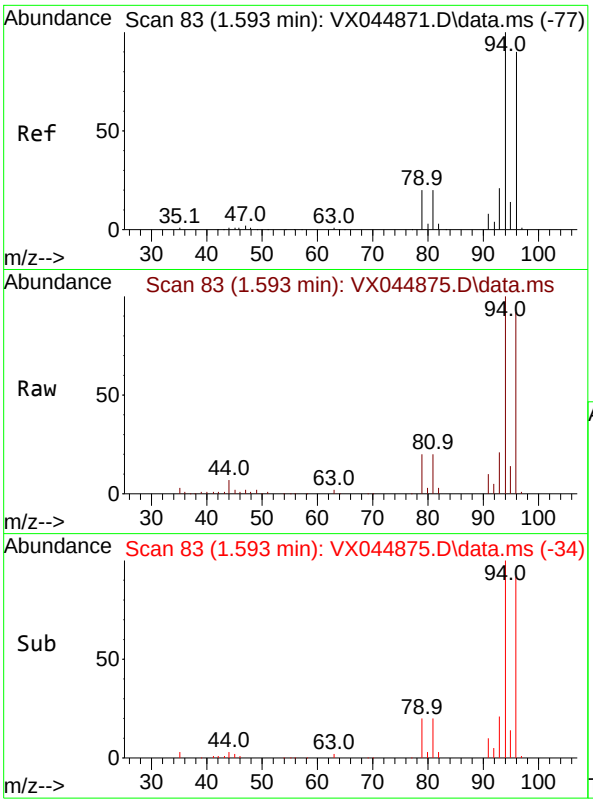


#4
Vinyl Chloride
Concen: 47.033 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 105730

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0





#5
Bromomethane
Concen: 46.719 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 94 Resp: 3142

Ion	Ratio	Lower	Upper
94	100		
96	92.0	71.6	107.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
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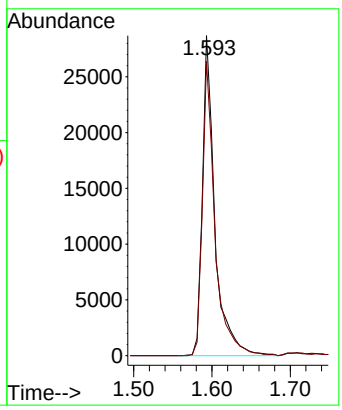
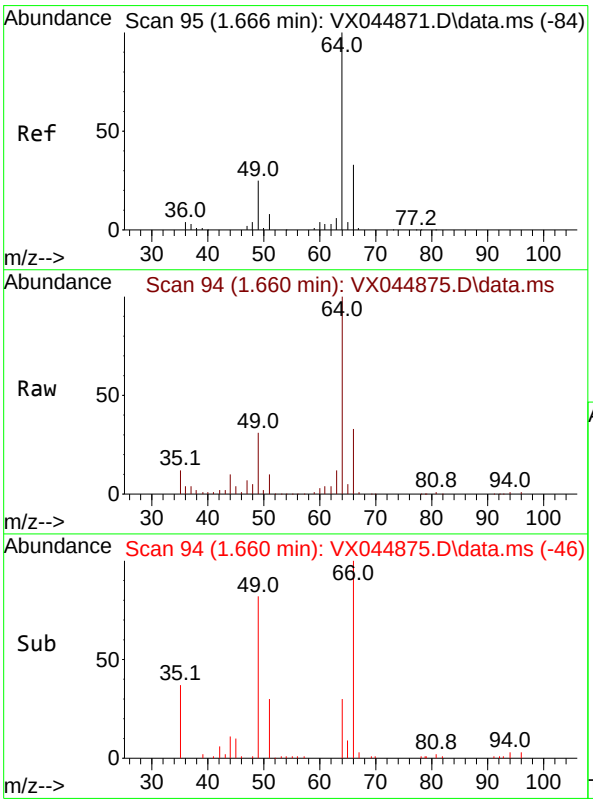
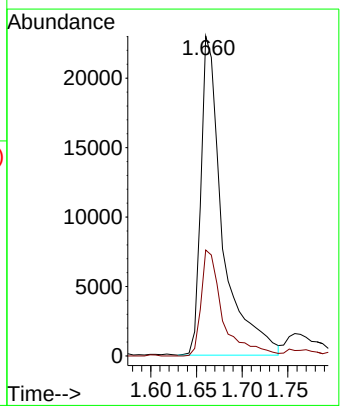


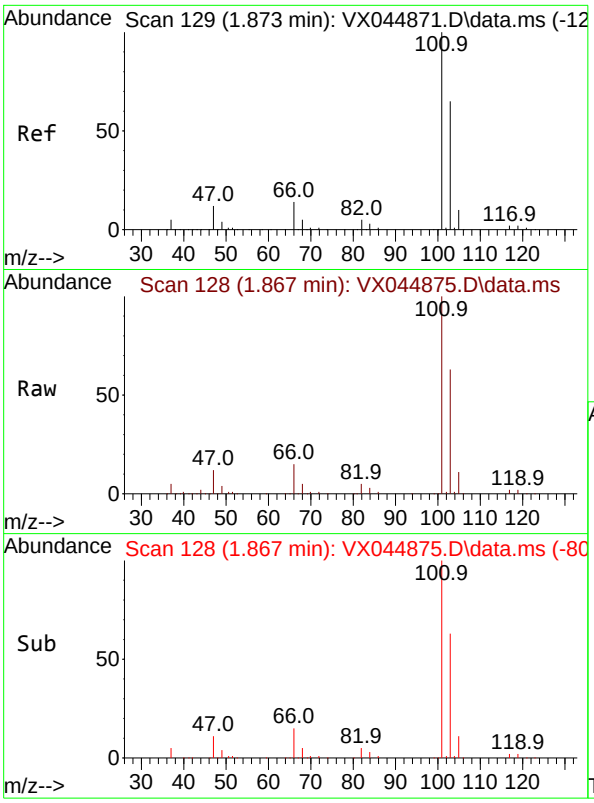


#6
Chloroethane
Concen: 42.198 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 64 Resp: 37913

Ion	Ratio	Lower	Upper
64	100		
66	33.2	25.9	38.9





#7
Trichlorofluoromethane
Concen: 48.558 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:101 Resp: 138044

Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.4	78.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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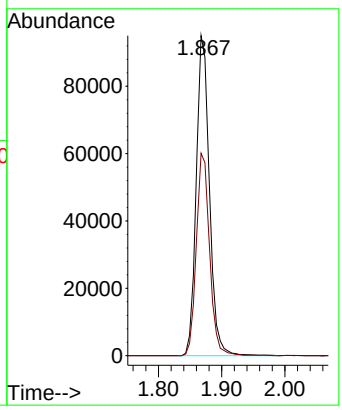
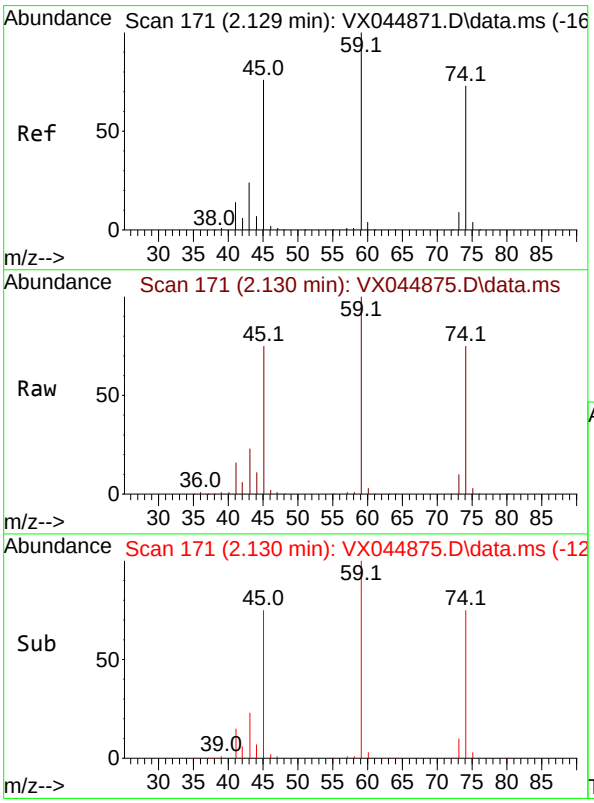
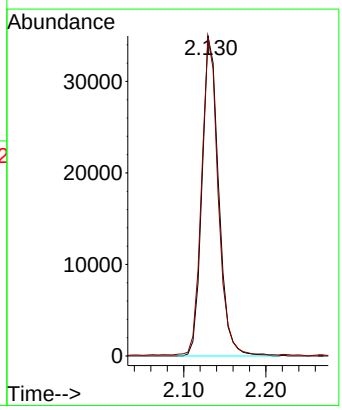


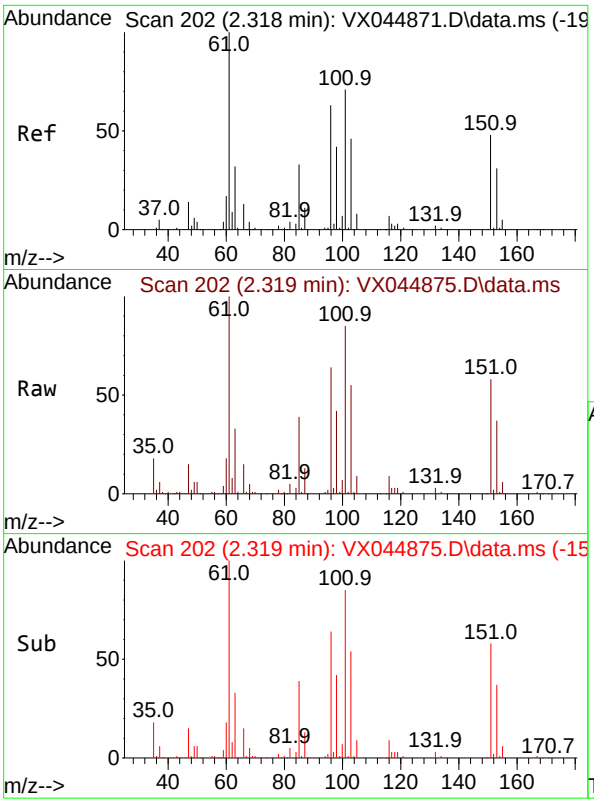


#8
Diethyl Ether
Concen: 47.544 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 74 Resp: 49018

Ion	Ratio	Lower	Upper
74	100		
45	98.9	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.588 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:101 Resp: 8689

Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.7	53.5
151	68.4	56.0	84.0

Manual Integrations
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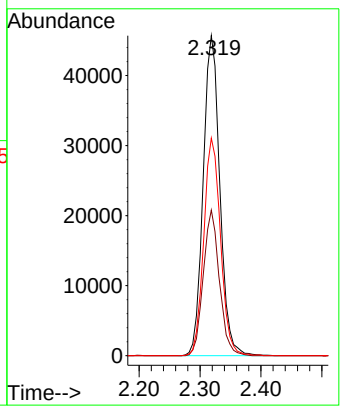
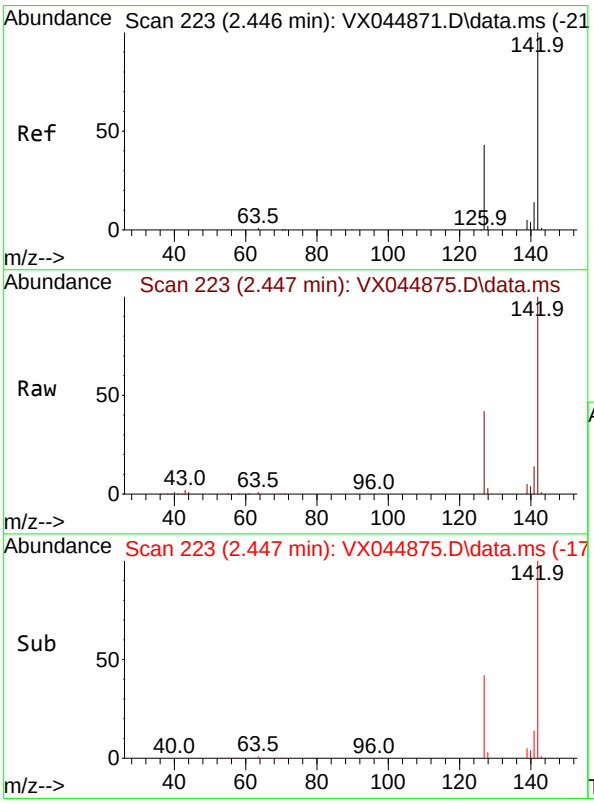
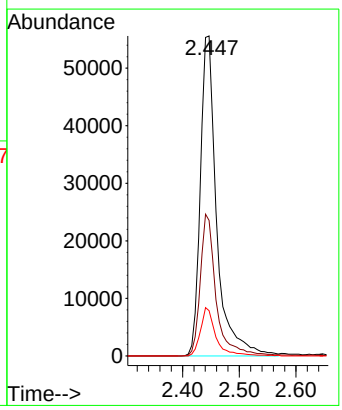


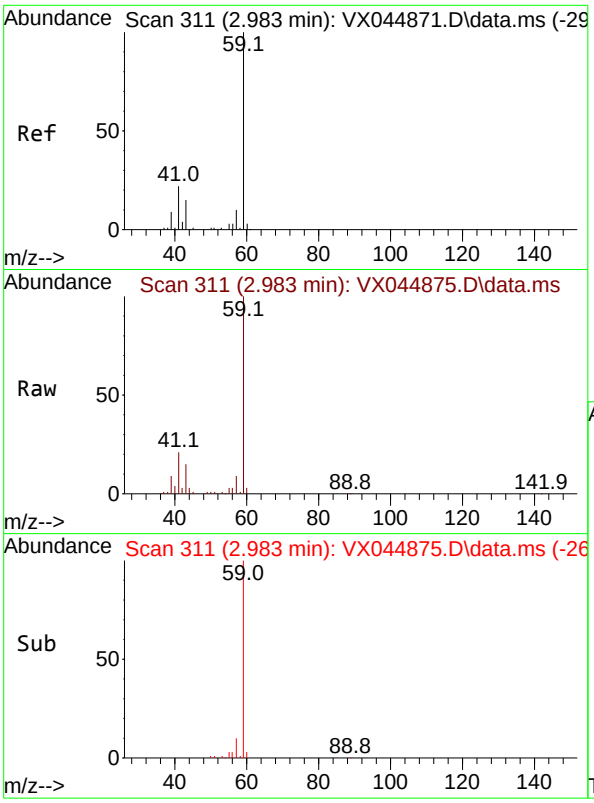


#10
Methyl Iodide
Concen: 50.082 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:142 Resp: 111488

Ion	Ratio	Lower	Upper
142	100		
127	43.1	34.3	51.5
141	14.3	11.4	17.2





#11
Tert butyl alcohol
Concen: 251.791 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

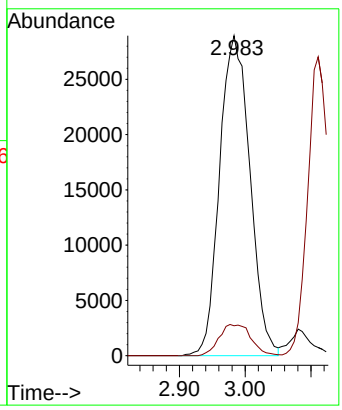
Tgt Ion: 59 Resp: 9294

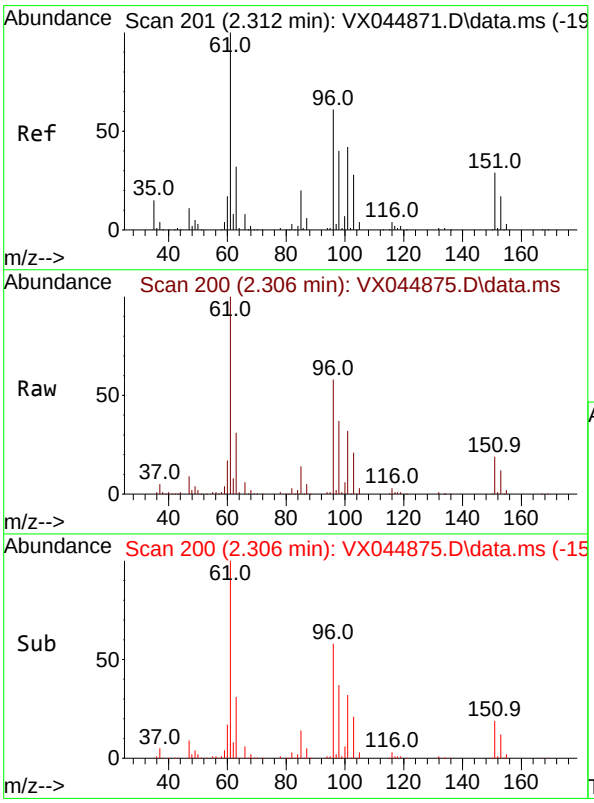
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

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

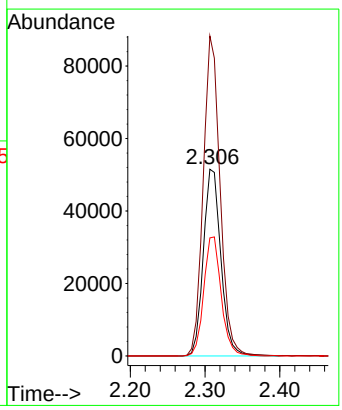


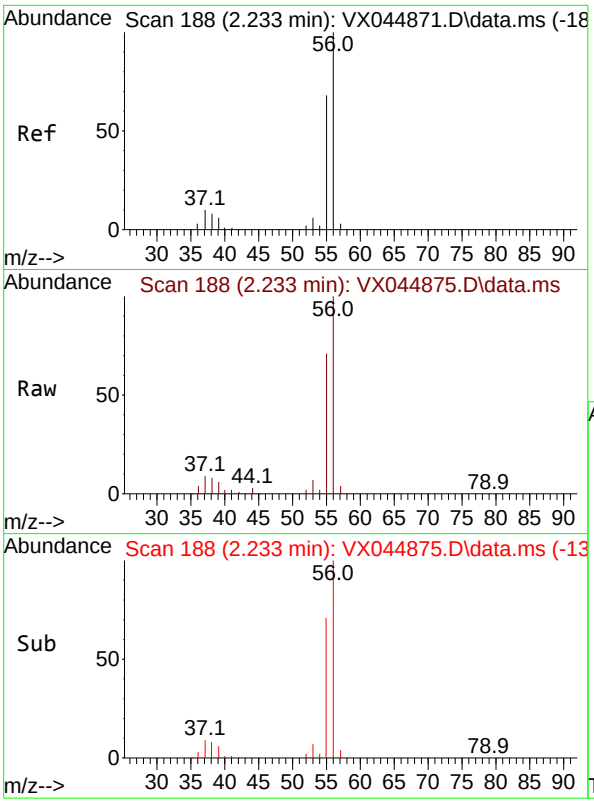


#12
1,1-Dichloroethene
Concen: 47.935 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 96 Resp: 83987

Ion	Ratio	Lower	Upper
96	100		
61	171.4	130.2	195.4
98	63.3	52.2	78.4





#13
Acrolein
Concen: 240.879 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 56 Resp: 91744

Ion	Ratio	Lower	Upper
56	100		
55	71.0	55.7	83.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
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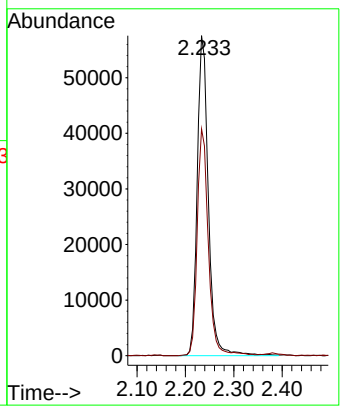
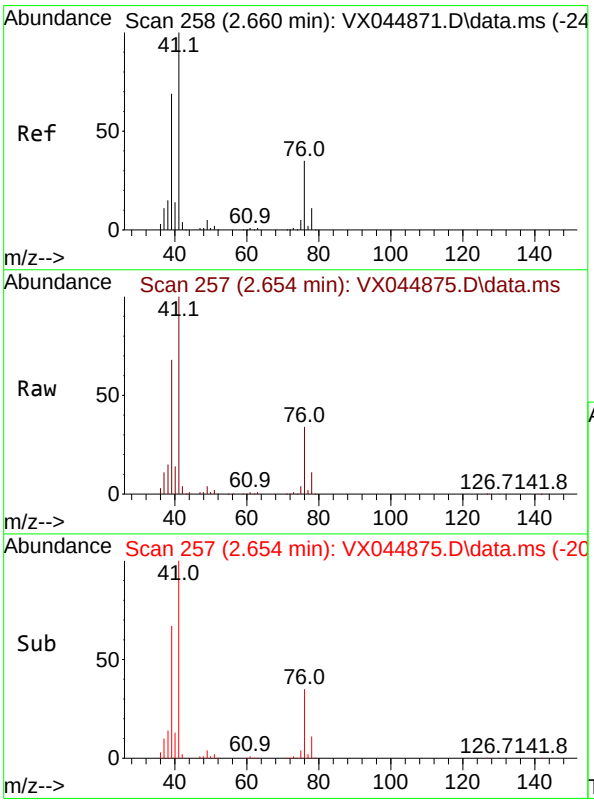
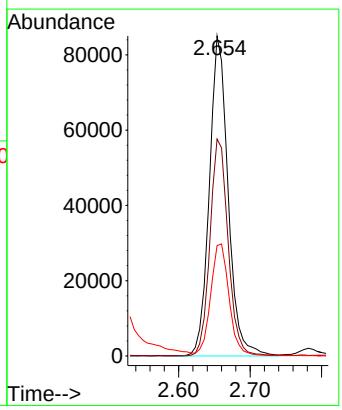


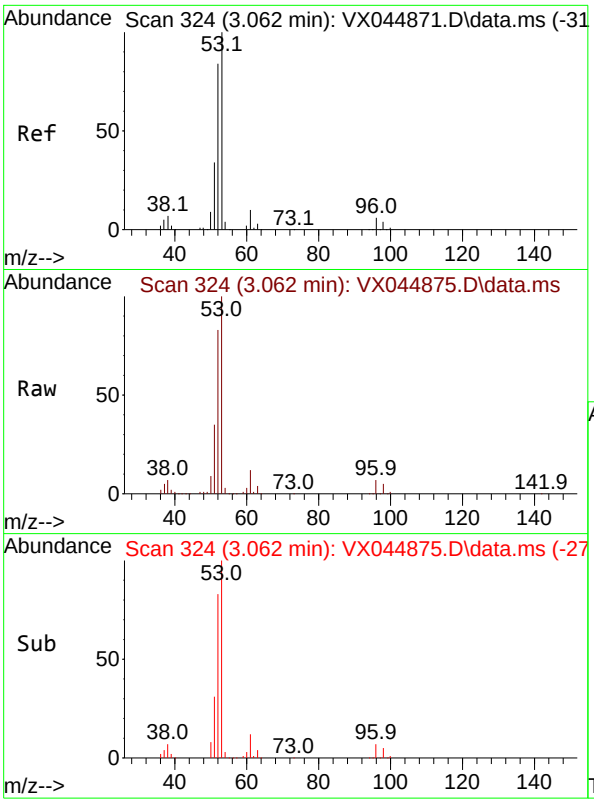


#14
Allyl chloride
Concen: 48.976 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 155084

Ion	Ratio	Lower	Upper
41	100		
39	65.4	51.4	77.2
76	34.2	27.0	40.4





#15
Acrylonitrile
Concen: 251.537 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 53 Resp: 24792

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.7	28.0	42.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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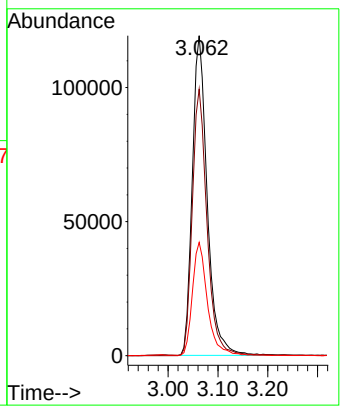
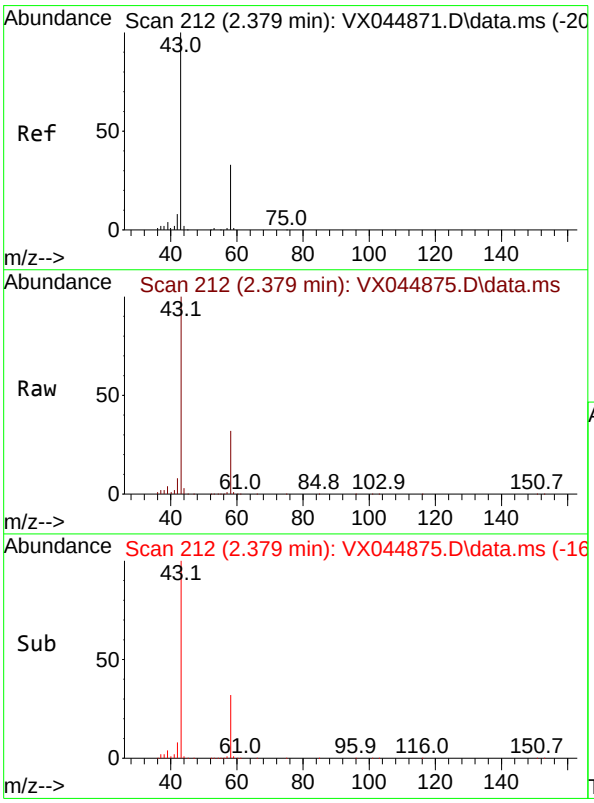
Supervised By :Mahesh Dadoda 02/11/2025

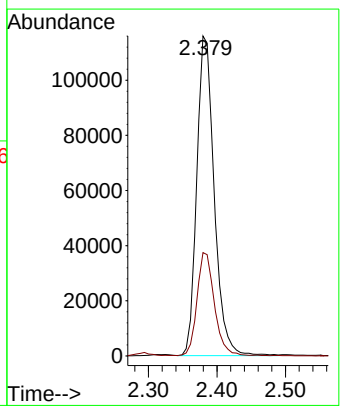


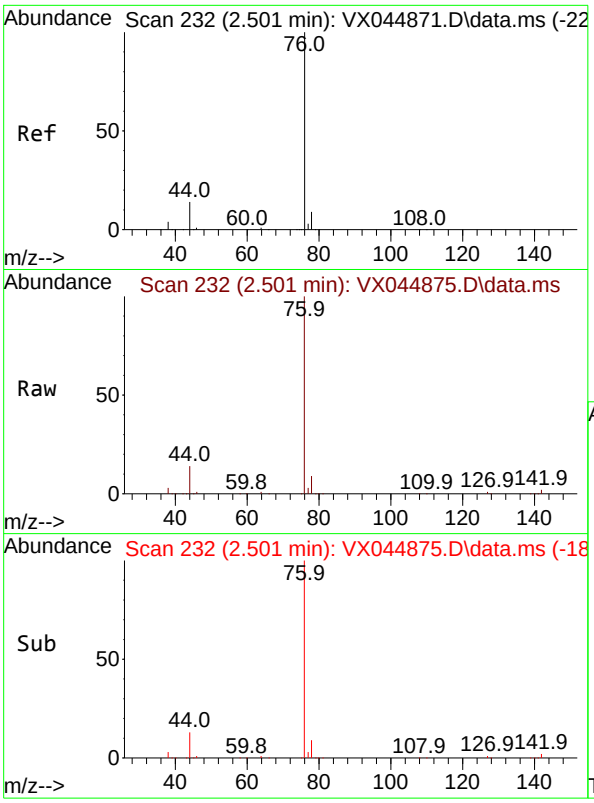


#16
Acetone
Concen: 257.198 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 205743

Ion	Ratio	Lower	Upper
43	100		
58	32.2	26.5	39.7





#17
Carbon Disulfide
Concen: 49.472 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 76 Resp: 23769

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
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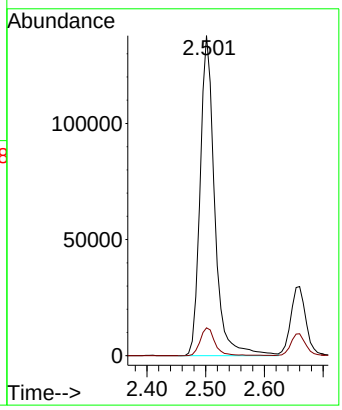
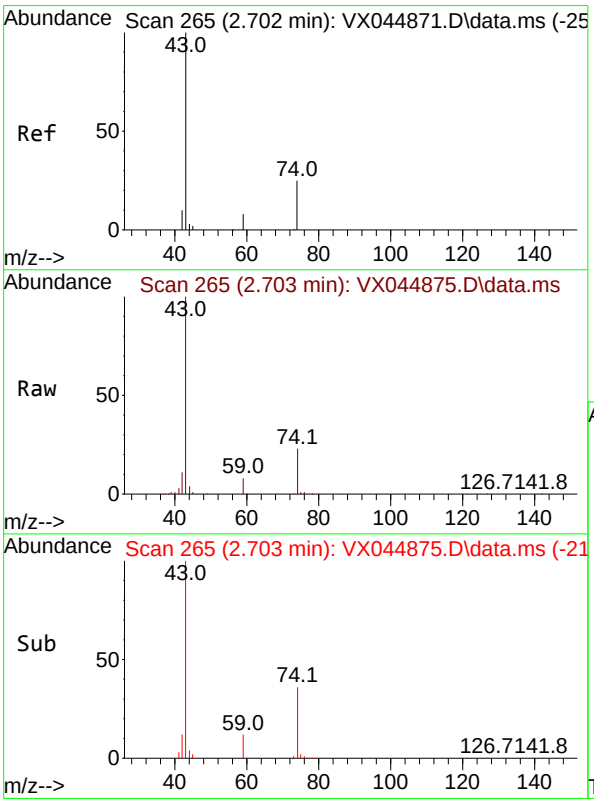
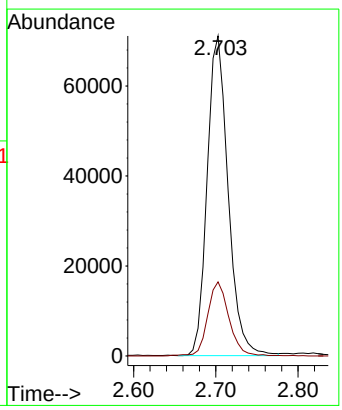


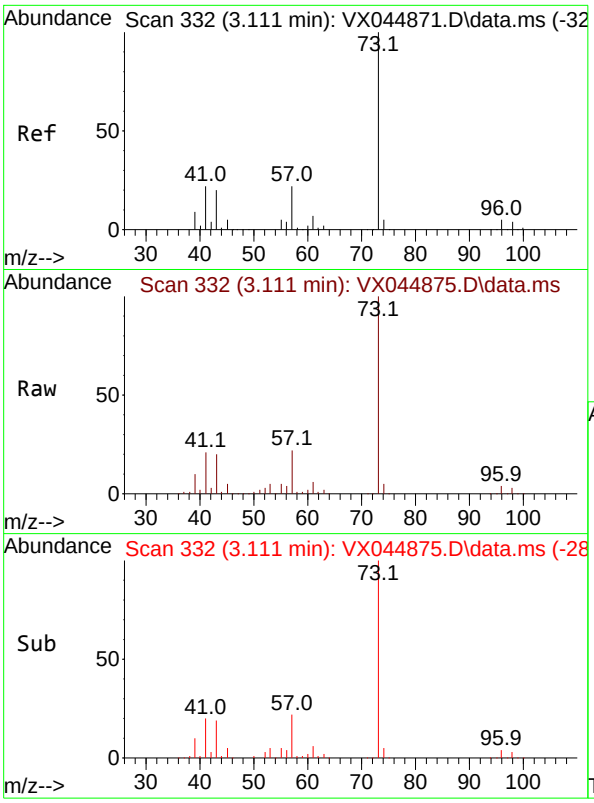


#18
Methyl Acetate
Concen: 49.920 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 126015

Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 49.453 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 73 Resp: 27568

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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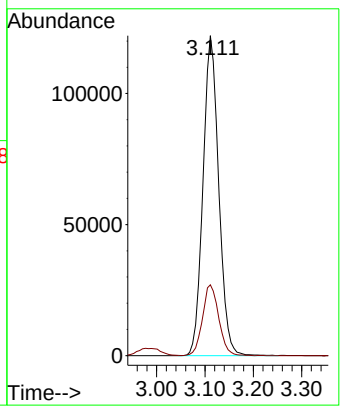
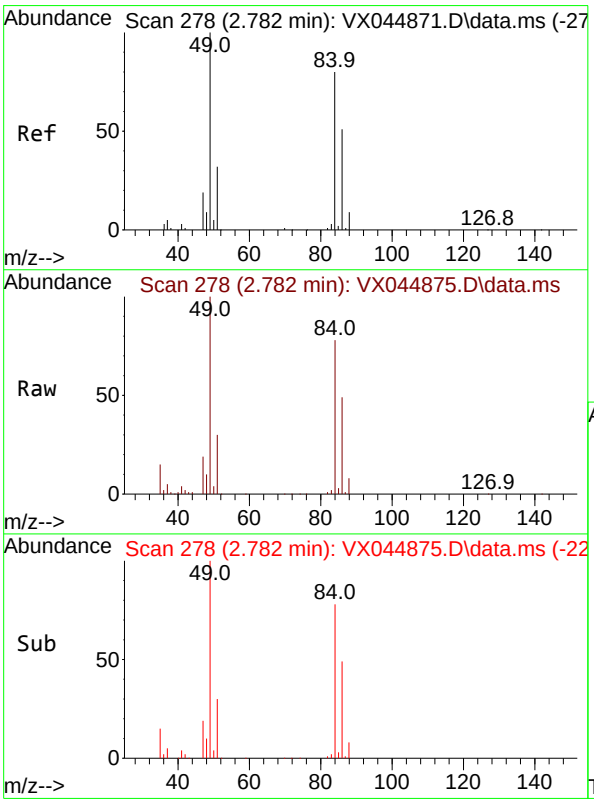
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

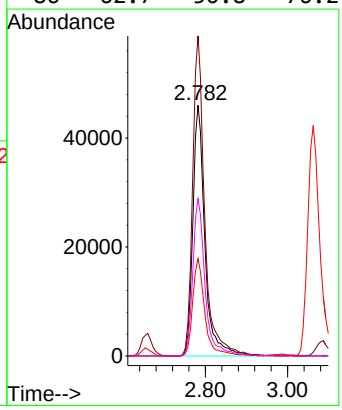


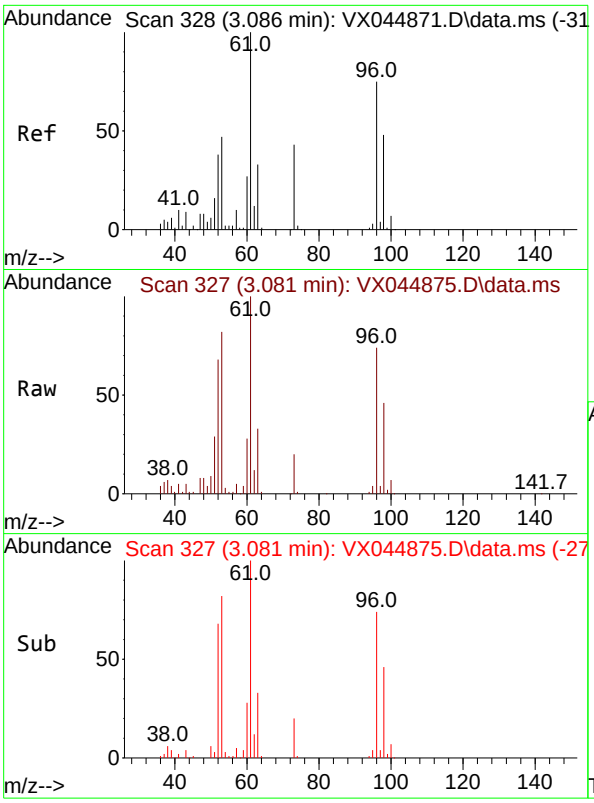


#20
Methylene Chloride
Concen: 47.978 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 84 Resp: 94006

Ion	Ratio	Lower	Upper
84	100		
49	127.6	100.1	150.1
51	38.8	31.7	47.5
86	62.7	50.8	76.2





#21
trans-1,2-Dichloroethene
Concen: 49.129 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

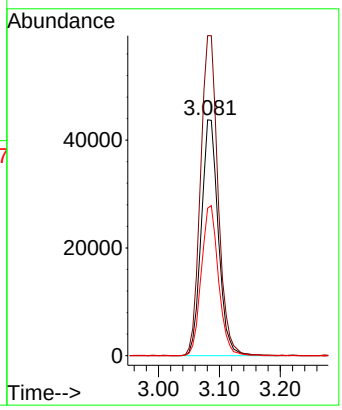
Tgt Ion: 96 Resp: 8472

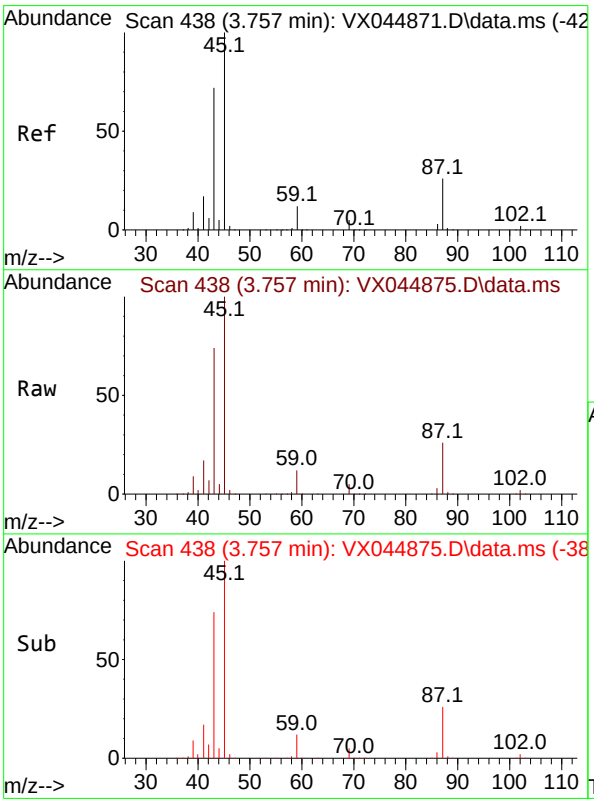
Ion	Ratio	Lower	Upper
96	100		
61	135.7	106.0	159.0
98	62.5	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

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

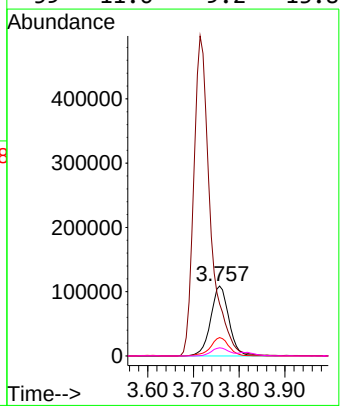


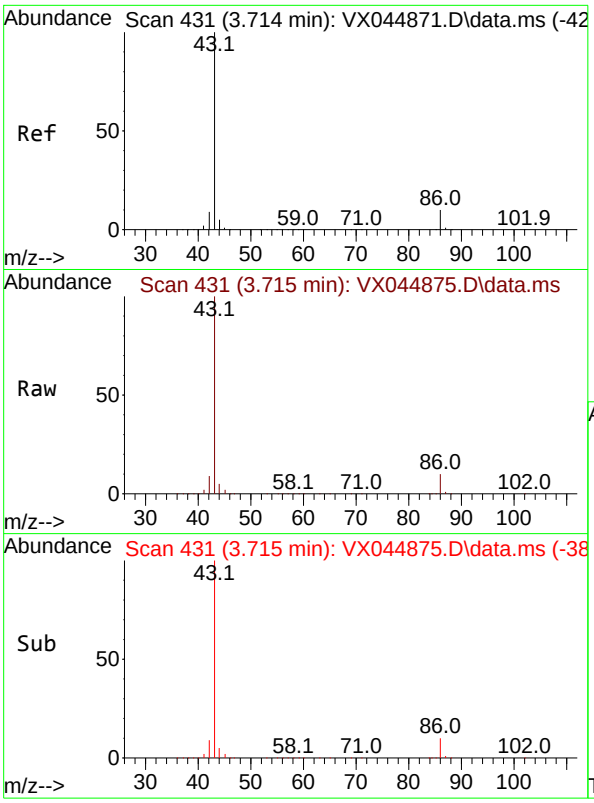


#22
Diisopropyl ether
Concen: 50.138 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 45 Resp: 300357

Ion	Ratio	Lower	Upper
45	100		
43	74.3	58.0	87.0
87	26.4	20.7	31.1
59	11.6	9.2	13.8





#23
Vinyl Acetate
Concen: 257.465 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 125743

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
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Reviewed By :John Carlone 02/11/2025
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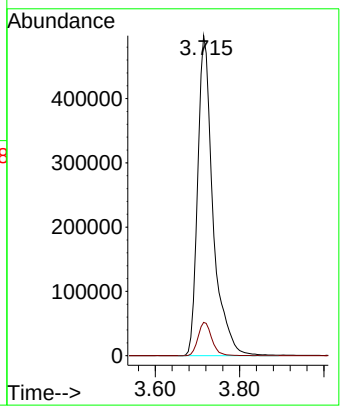
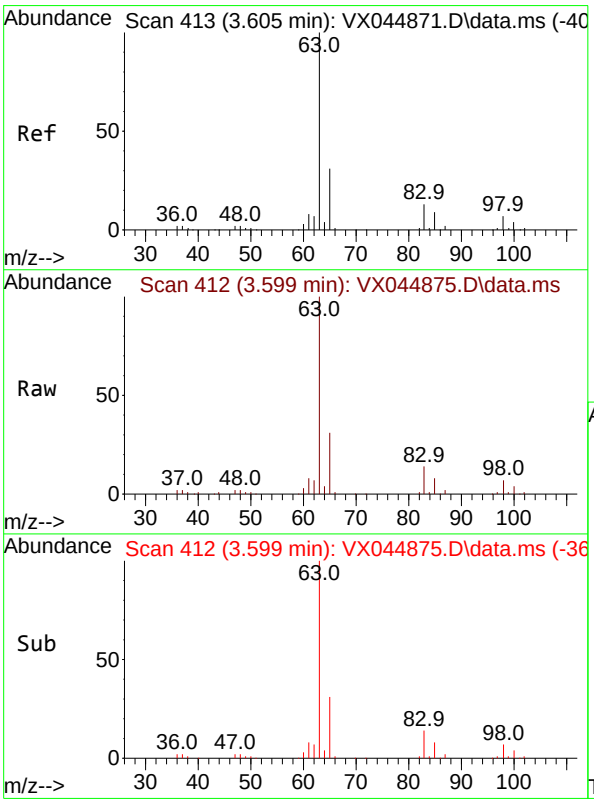
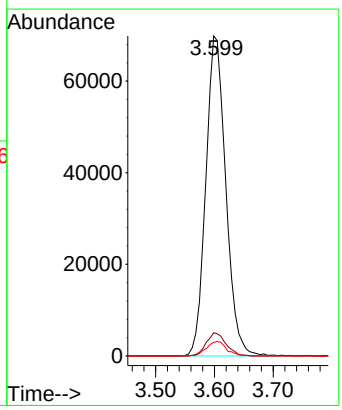


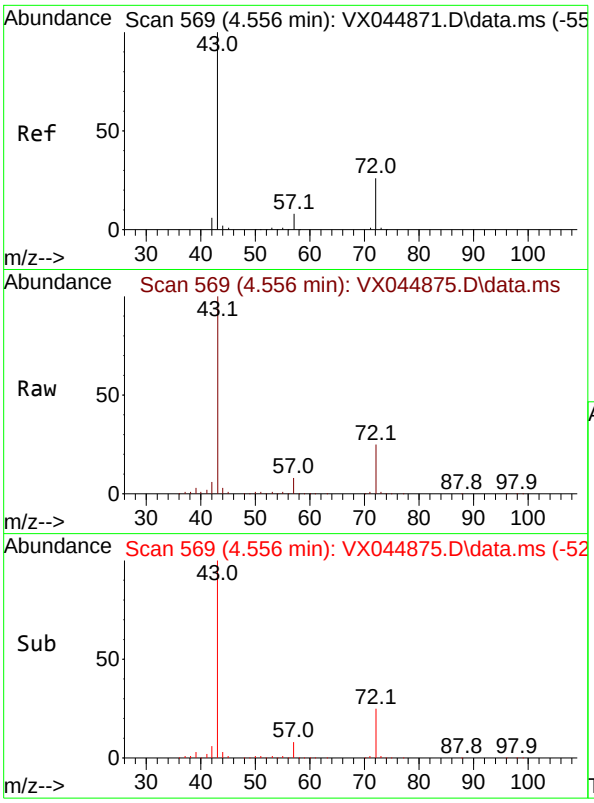


#24
1,1-Dichloroethane
Concen: 49.329 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 165351

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.3	9.9
100	4.2	2.1	6.5





#25
2-Butanone
Concen: 258.175 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 33535

Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
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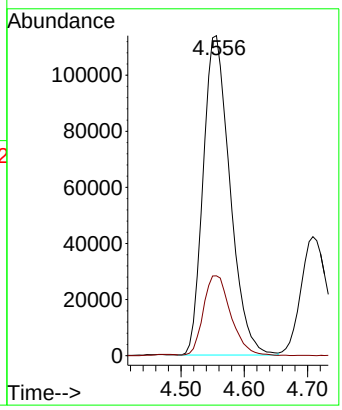
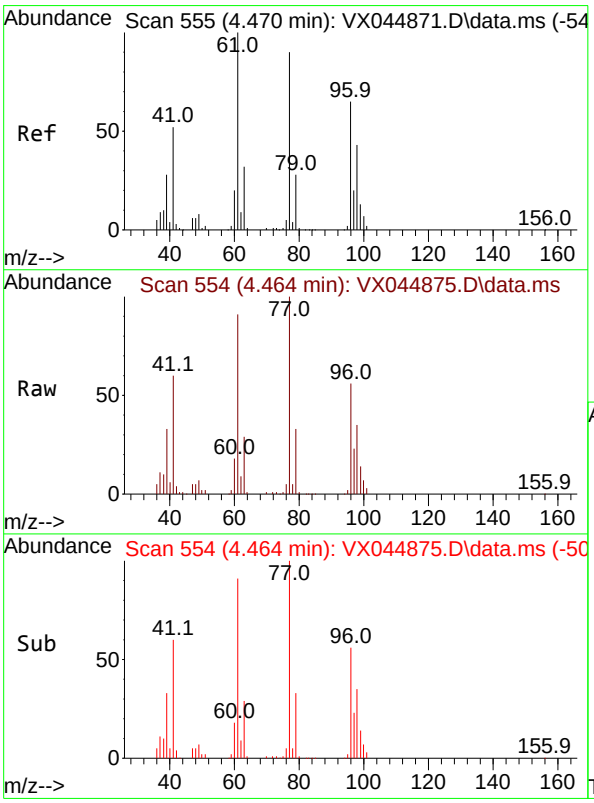
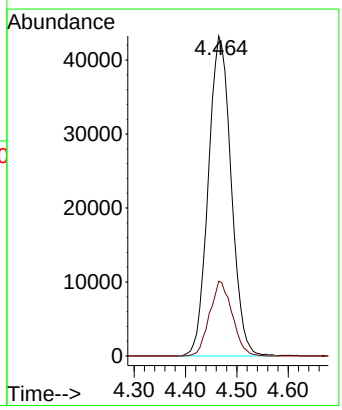


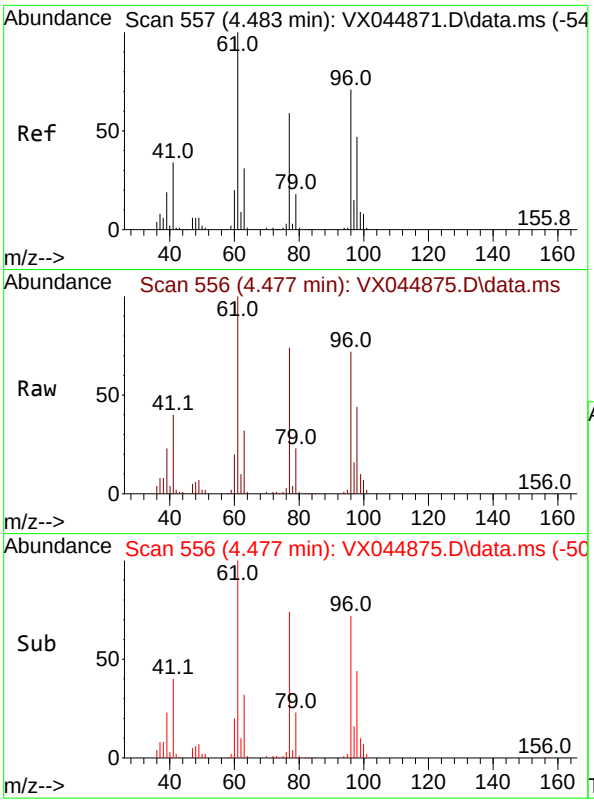


#26
2,2-Dichloropropane
Concen: 50.285 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 77 Resp: 133670

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.8	35.3





#27
cis-1,2-Dichloroethene
Concen: 49.493 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 96 Resp: 10251

Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	294.0
98	63.9	0.0	131.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
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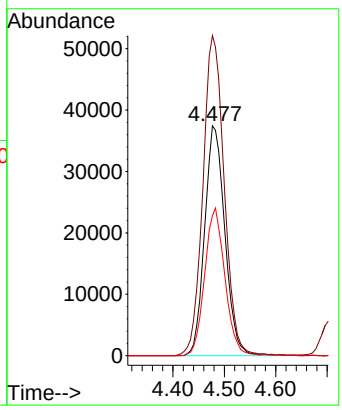
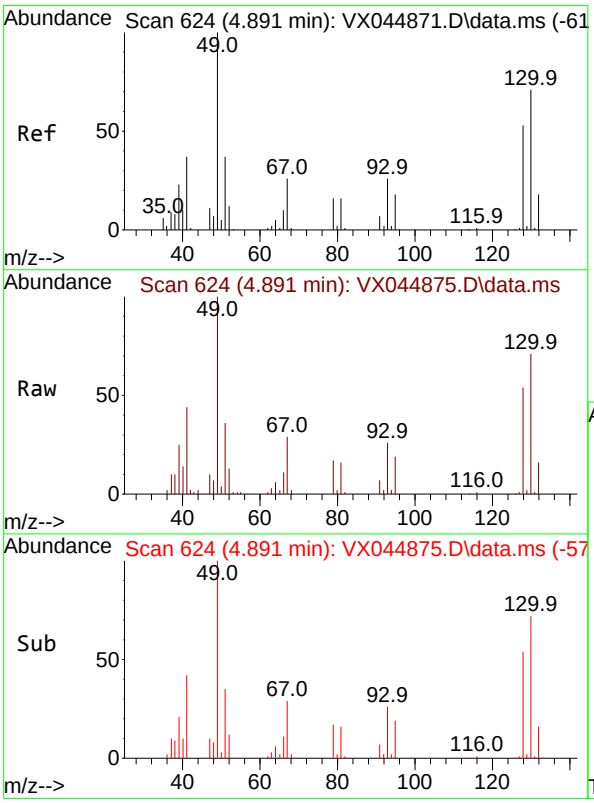
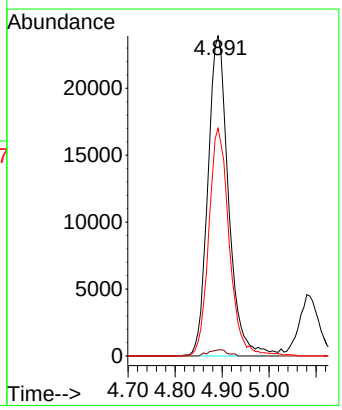


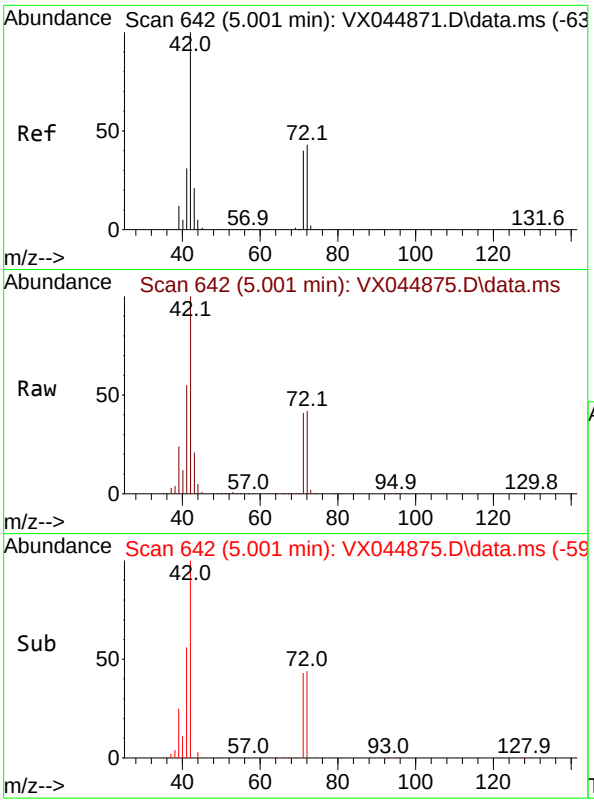


#28
Bromochloromethane
Concen: 45.250 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 49 Resp: 72893

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	70.3	56.7	85.1





#29
Tetrahydrofuran
Concen: 253.318 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 42 Resp: 21849

Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.0	52.4
71	41.1	32.6	48.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
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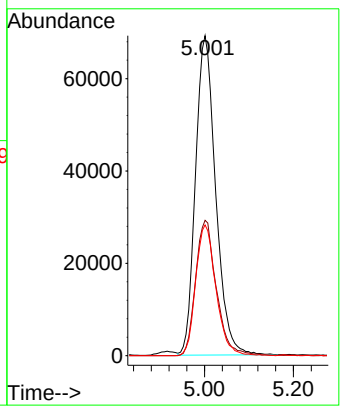
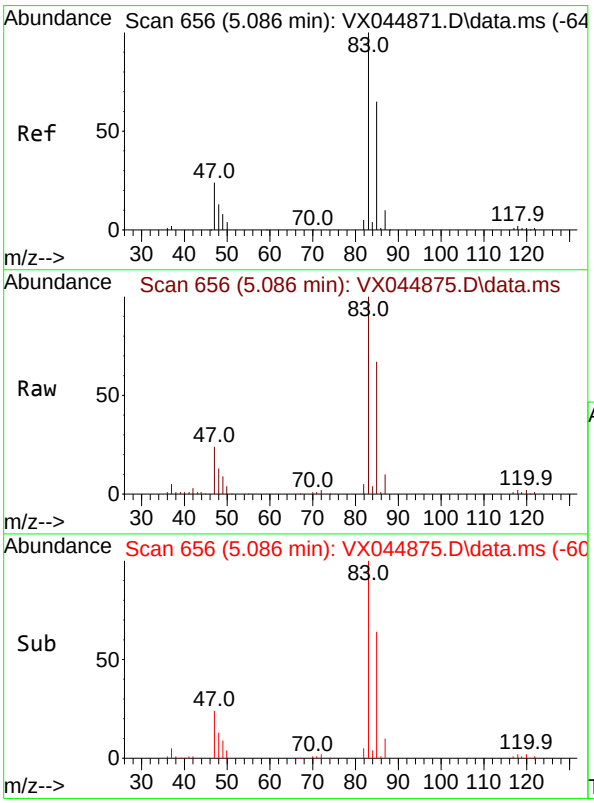
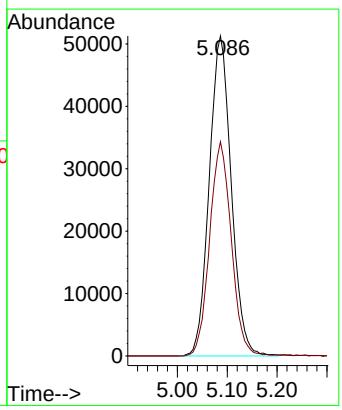


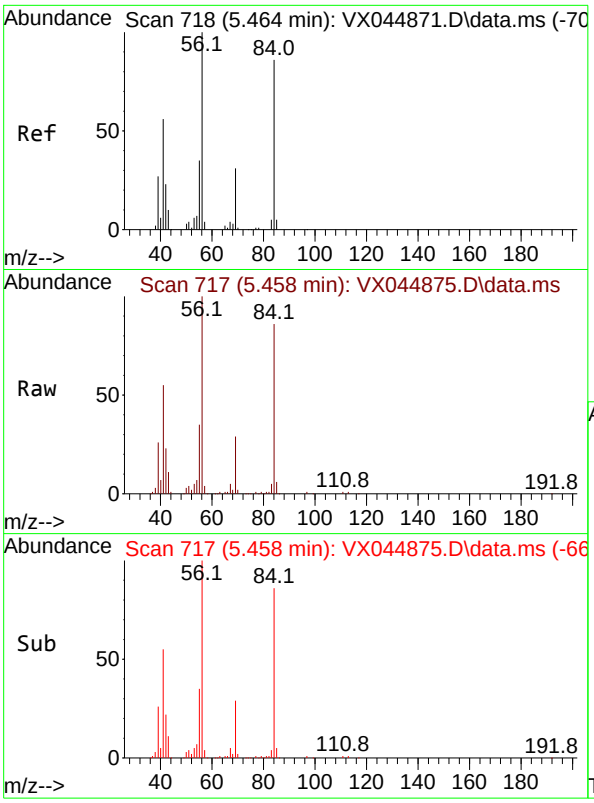


#30
Chloroform
Concen: 48.393 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 83 Resp: 157312

Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.1	78.1





#31
Cyclohexane
Concen: 49.211 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 56 Resp: 15207

Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.4	36.6
84	84.6	69.0	103.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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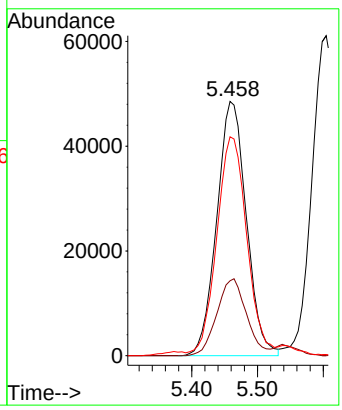
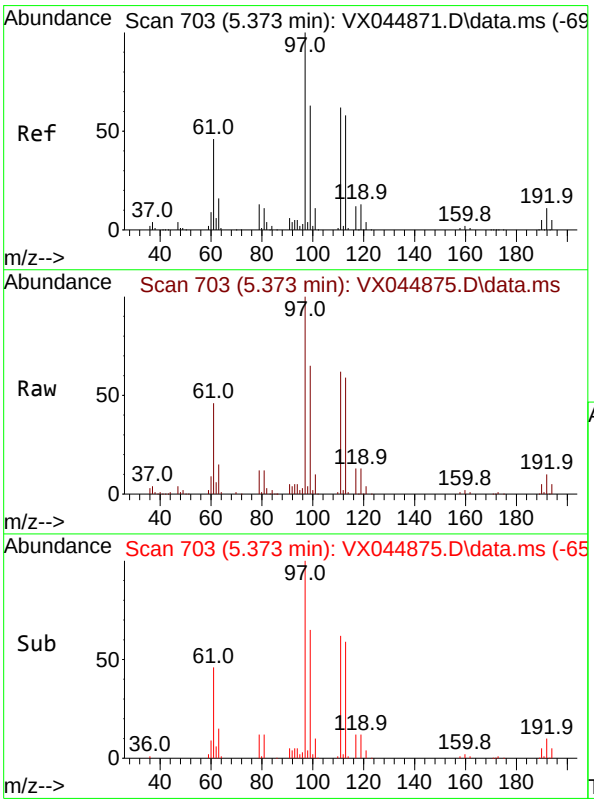
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

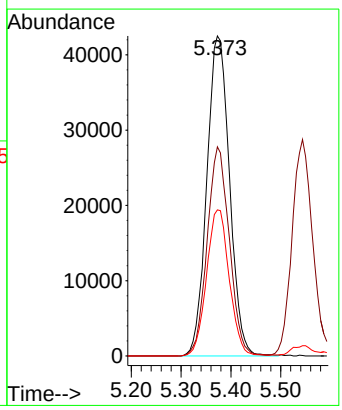


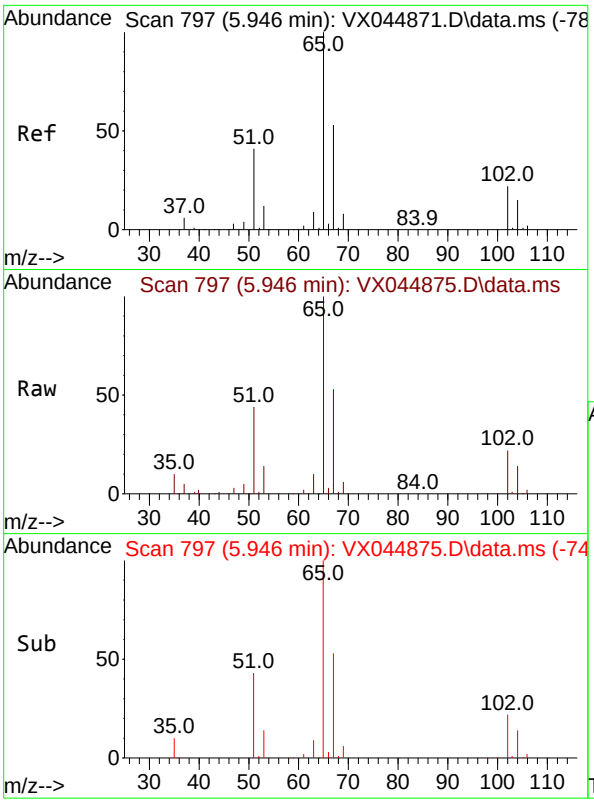


#32
1,1,1-Trichloroethane
Concen: 48.825 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 97 Resp: 134626

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.7	36.6	55.0





#33
1,2-Dichloroethane-d4
Concen: 48.061 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 65 Resp: 9563

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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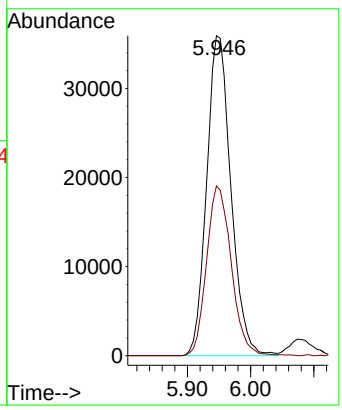
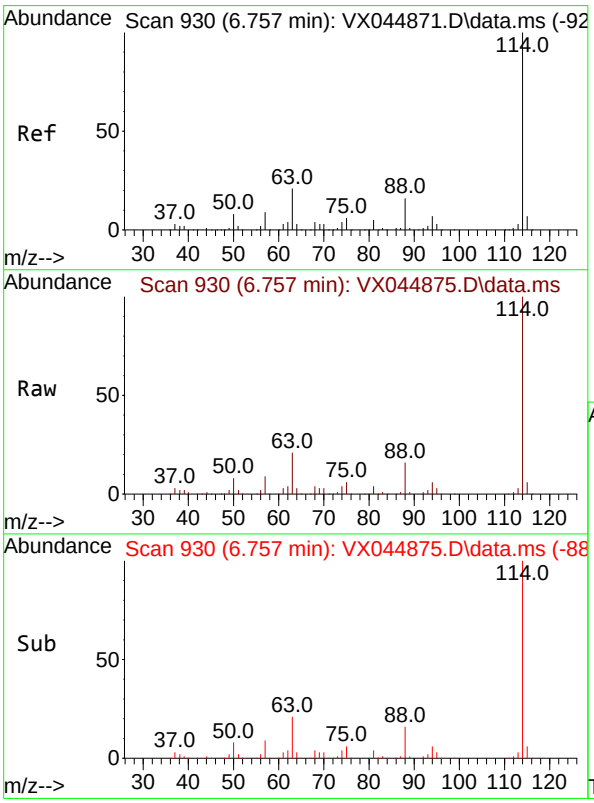
Supervised By :Mahesh Dadoda 02/11/2025

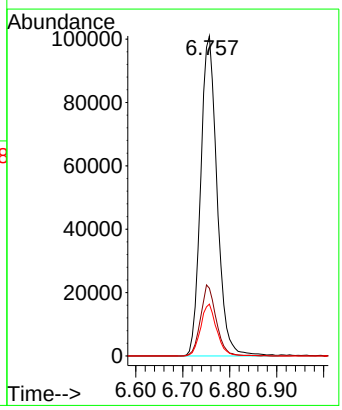


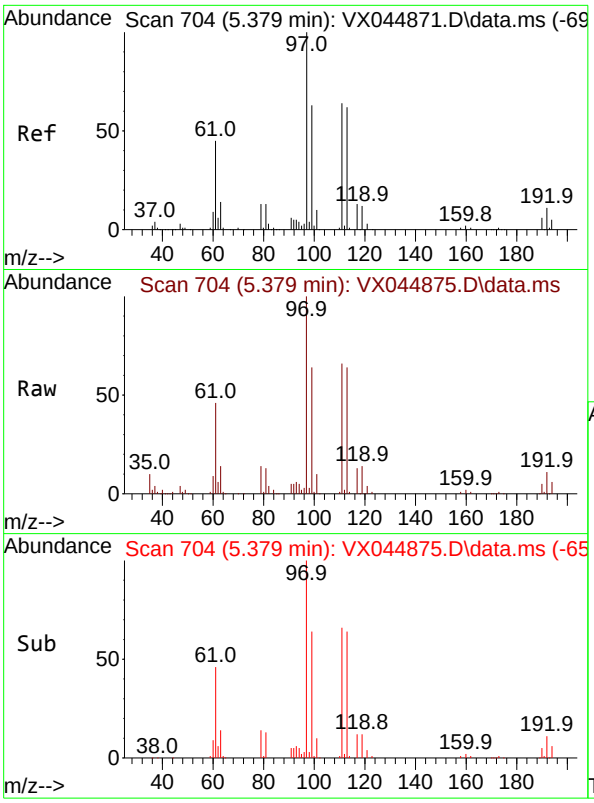


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:114 Resp: 245098

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	16.2	0.0	31.4





#35
Dibromofluoromethane
Concen: 49.173 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:113 Resp: 7836(

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	17.9	14.4	21.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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Reviewed By :John Carlone 02/11/2025
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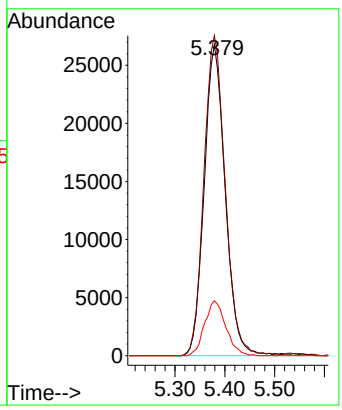
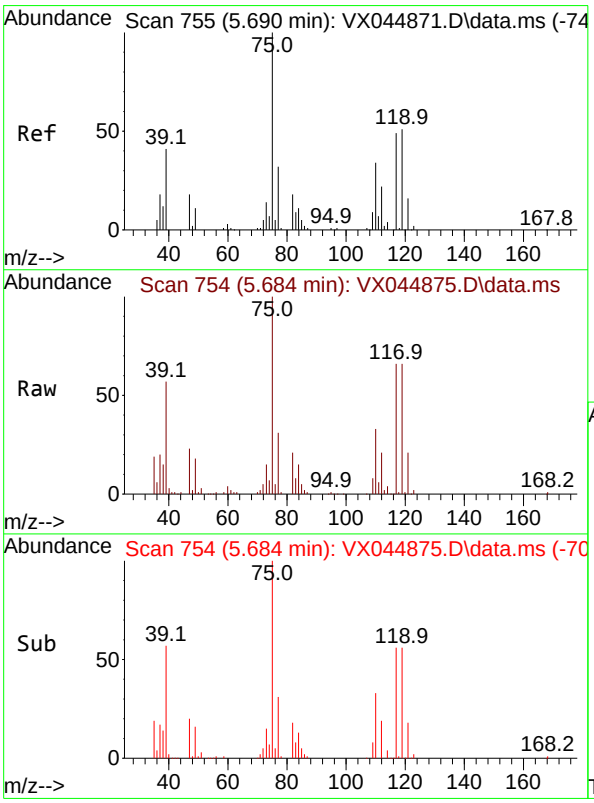
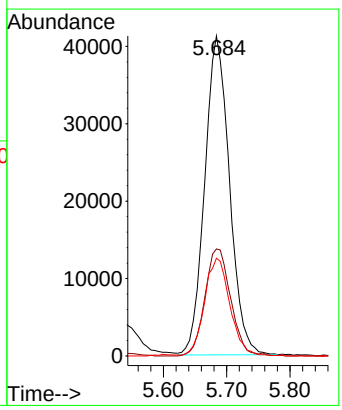


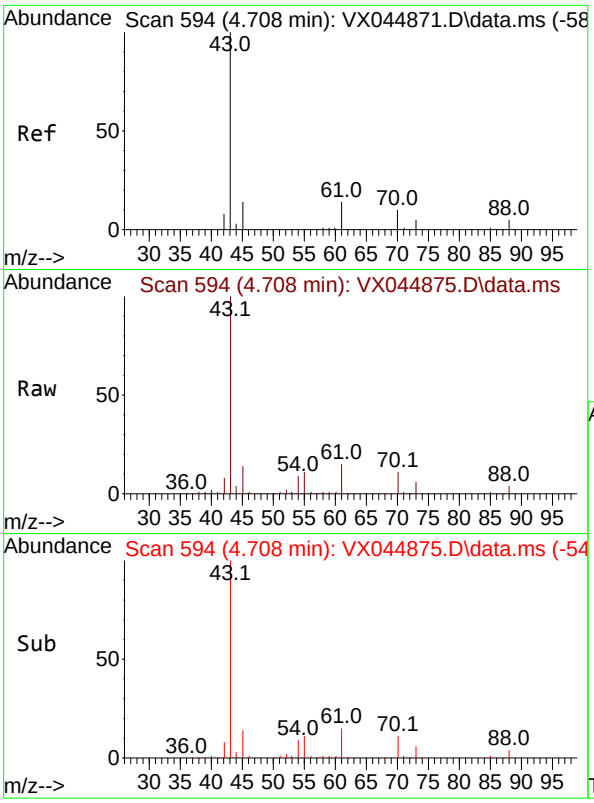


#36
1,1-Dichloropropene
Concen: 48.702 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 111968

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.2	51.6
77	31.6	24.6	37.0





#37
Ethyl Acetate
Concen: 49.300 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 12607

Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.4	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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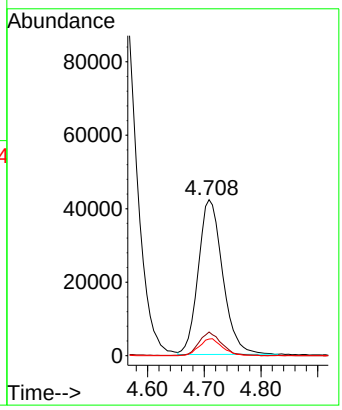
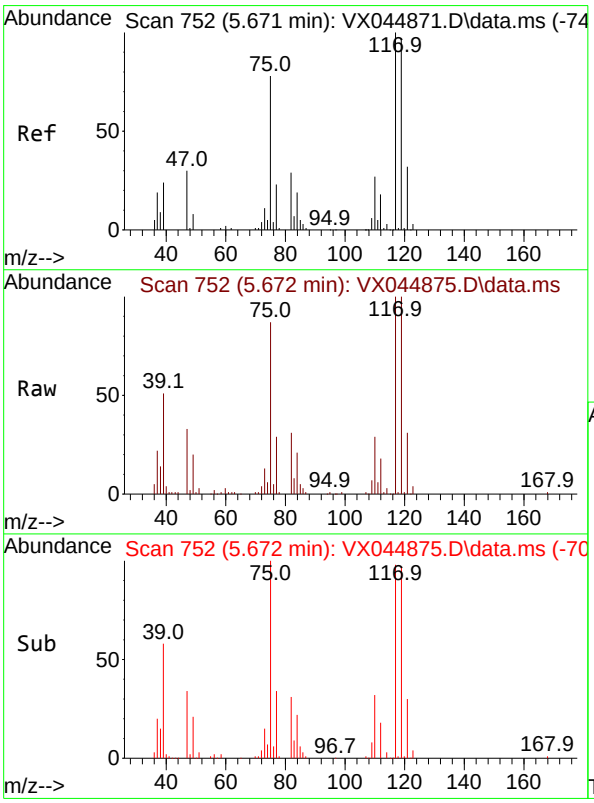
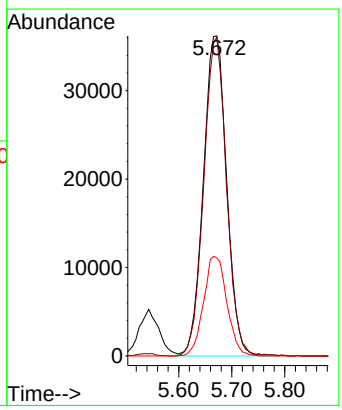


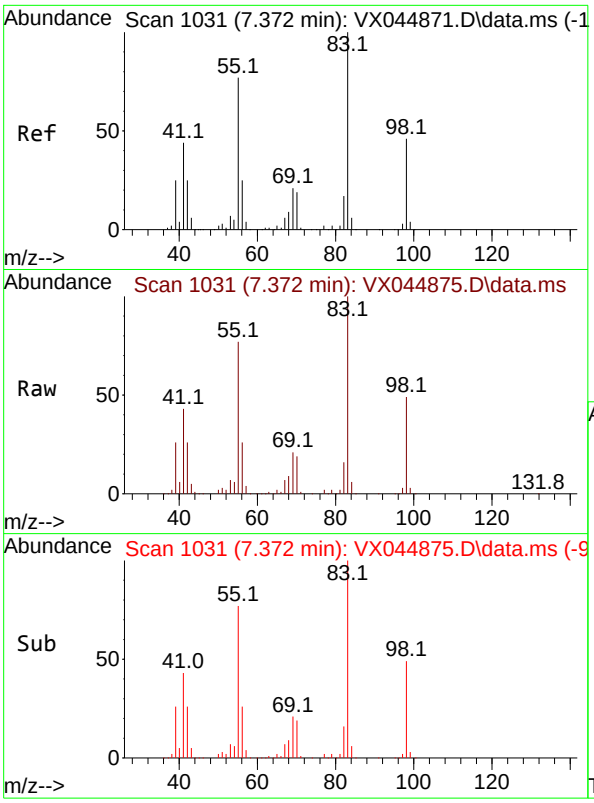


#38
Carbon Tetrachloride
Concen: 49.083 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:117 Resp: 110581

Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.5	116.3
121	30.6	25.6	38.4





#39
Methylcyclohexane
Concen: 53.254 ug/l
RT: 7.372 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 83 Resp: 15828

Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.3	91.9
98	49.0	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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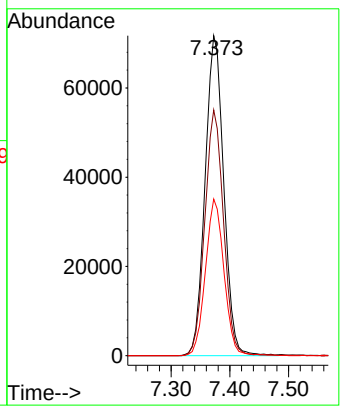
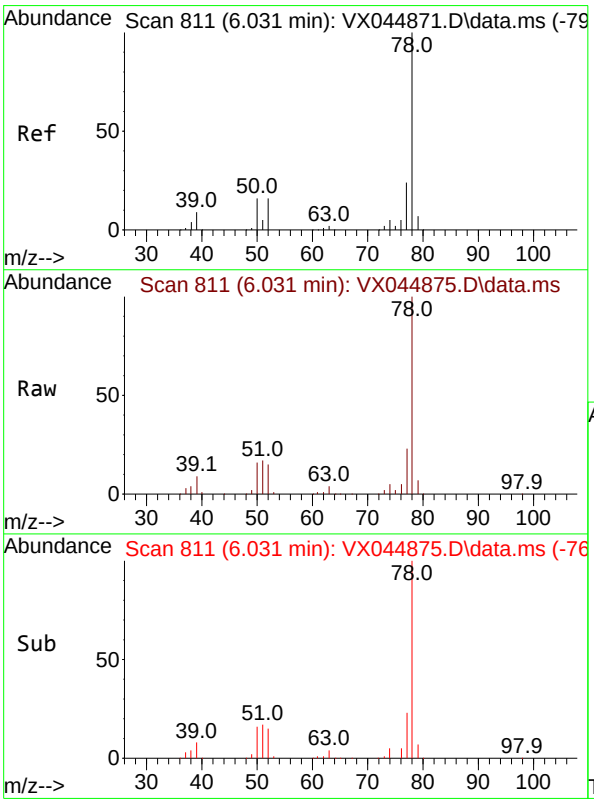
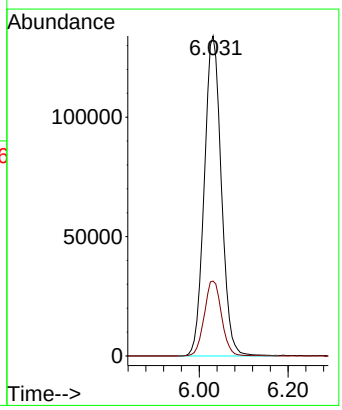


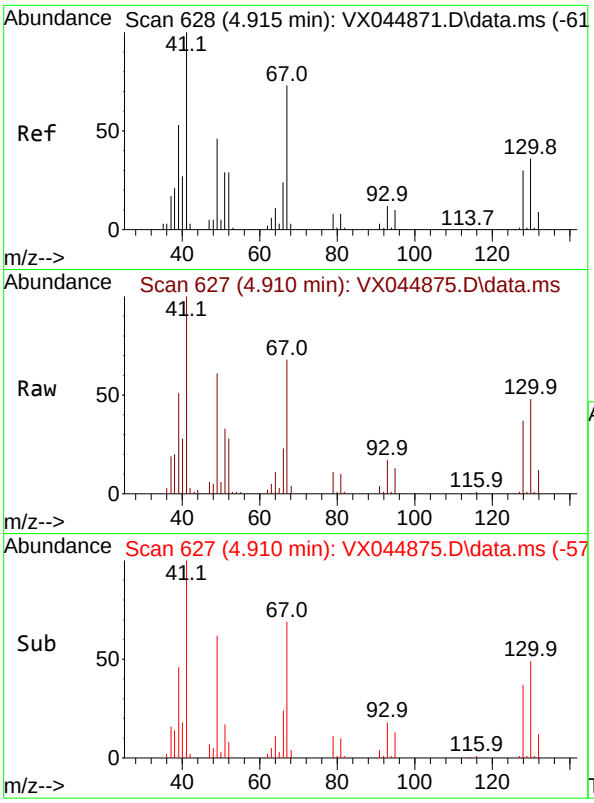


#40
Benzene
Concen: 49.919 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 78 Resp: 358365

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





#41
Methacrylonitrile
Concen: 53.741 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 7355

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.1	64.7
67	71.9	57.0	85.6
52	29.4	24.0	36.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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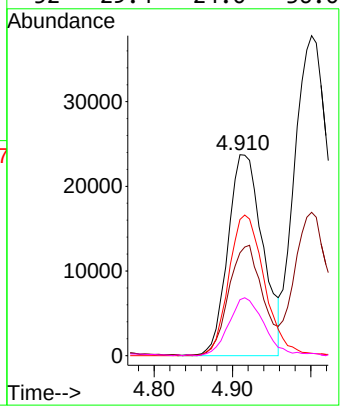
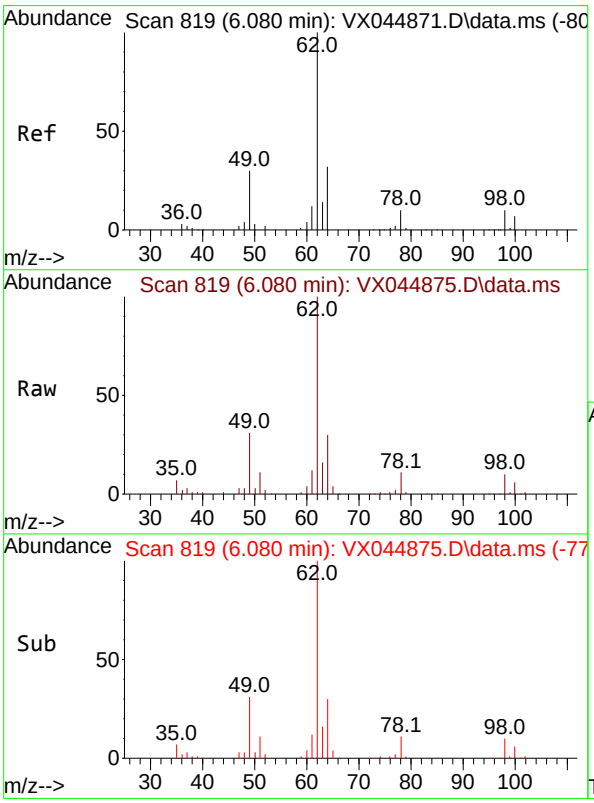
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

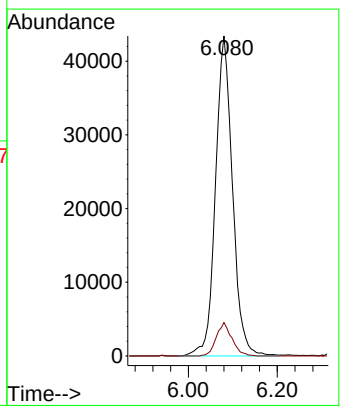


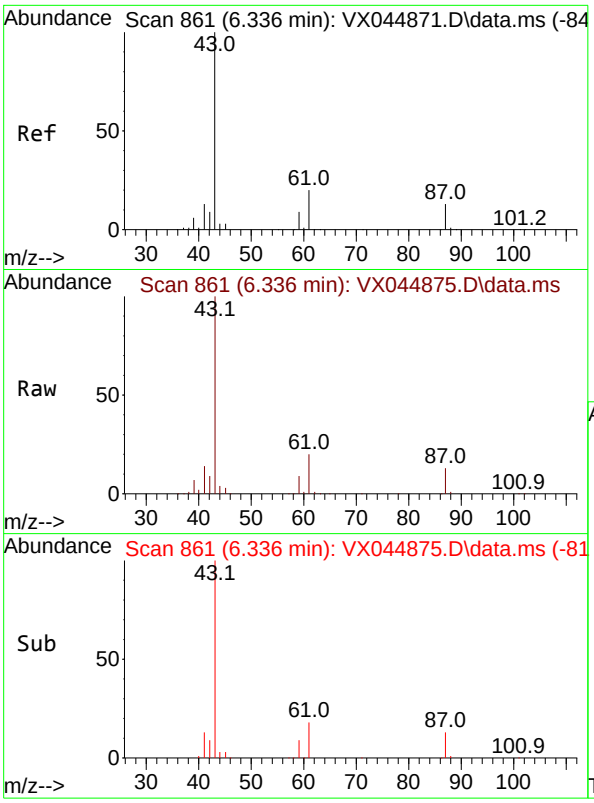


#42
1,2-Dichloroethane
Concen: 50.410 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 115339

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4





#43
Isopropyl Acetate
Concen: 51.798 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 21390

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.8
87	12.6	10.0	15.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

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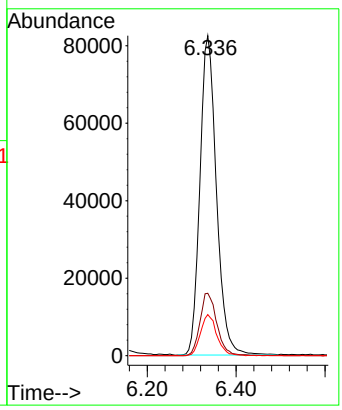
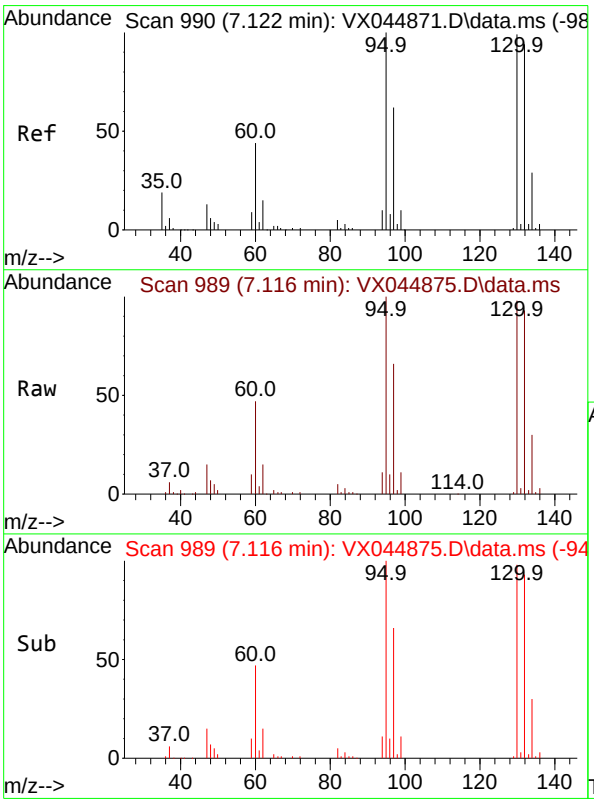
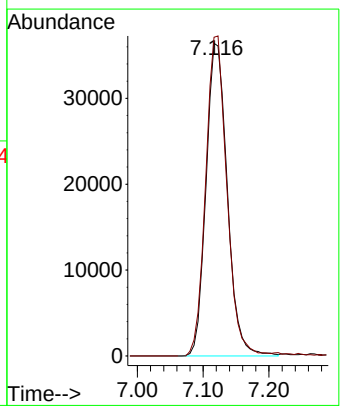


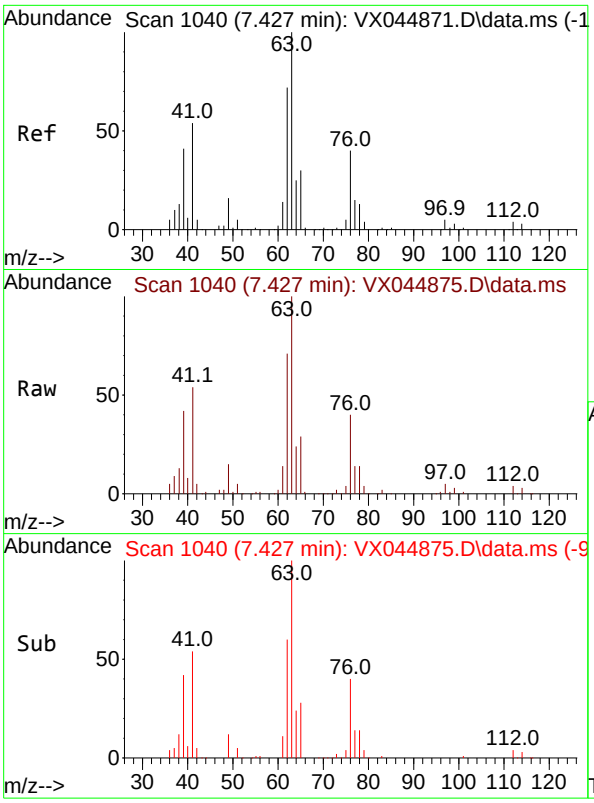


#44
Trichloroethene
Concen: 49.917 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:130 Resp: 81911

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	202.4





#45
1,2-Dichloropropane
Concen: 50.387 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 8999

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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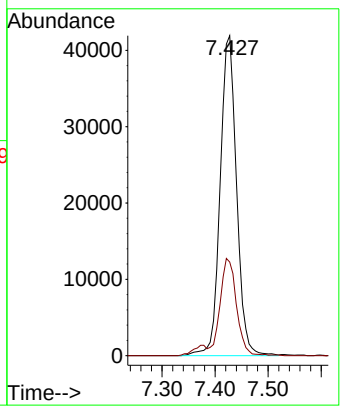
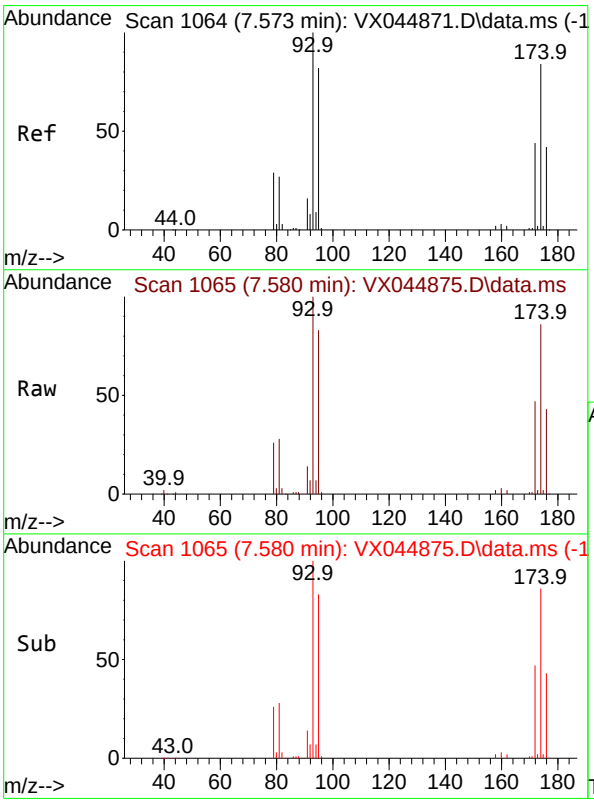
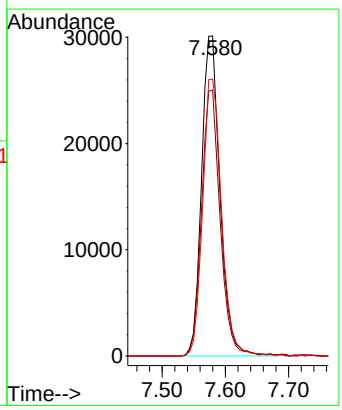


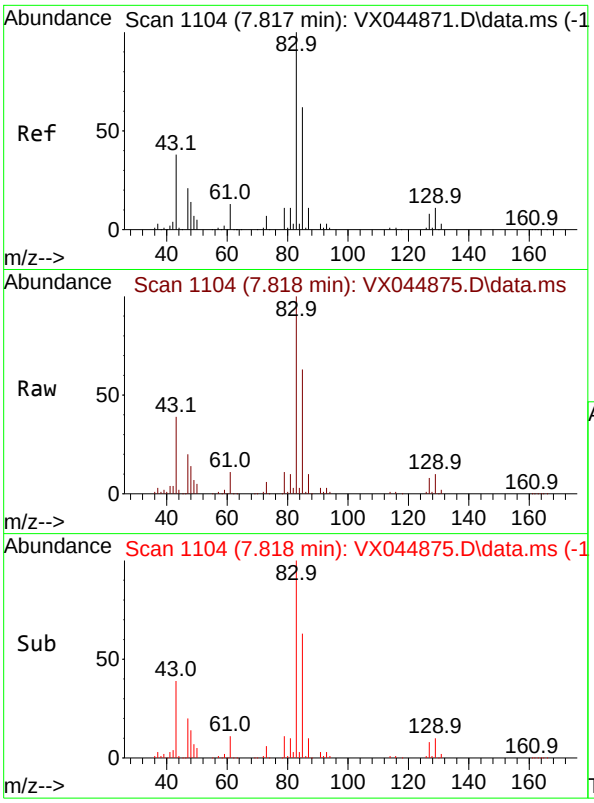


#46
Dibromomethane
Concen: 49.540 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 93 Resp: 61360

Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.2	99.4
174	88.6	69.9	104.9





#47
Bromodichloromethane
Concen: 50.980 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 83 Resp: 12226

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.0	75.0
127	8.2	6.4	9.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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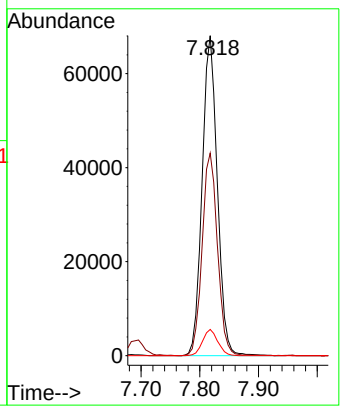
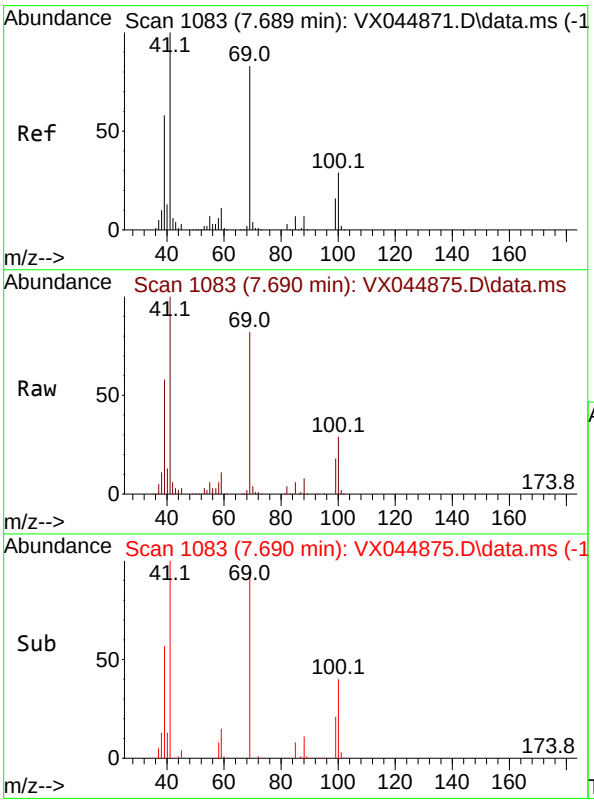
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

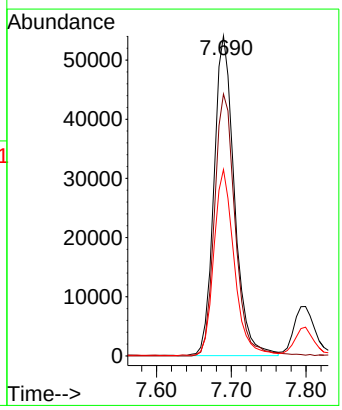


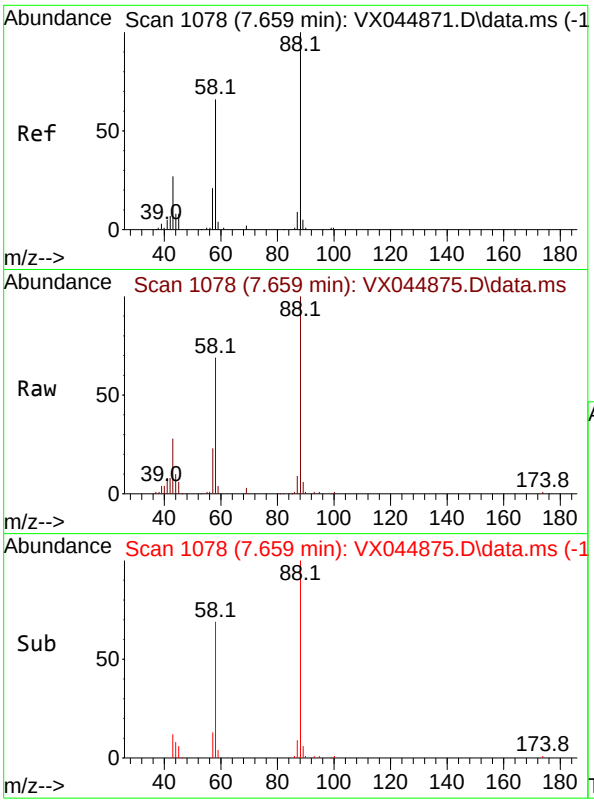


#48
Methyl methacrylate
Concen: 52.848 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 102900

Ion	Ratio	Lower	Upper
41	100		
69	83.2	65.8	98.8
39	57.8	46.4	69.6





#49
1,4-Dioxane
Concen: 1021.138 ug/l
RT: 7.659 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 88 Resp: 4265

Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.6	39.8
58	71.2	55.9	83.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

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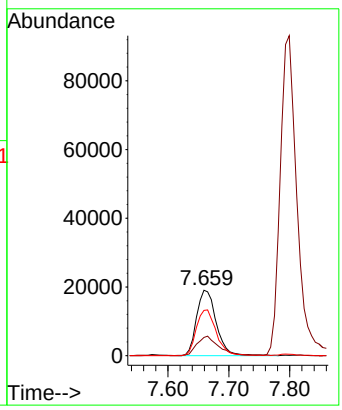
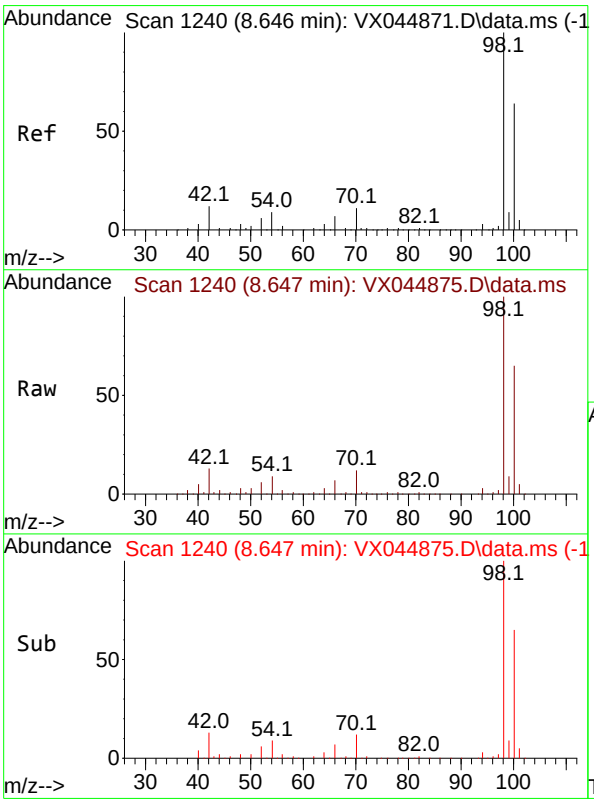
Supervised By :Mahesh Dadoda 02/11/2025

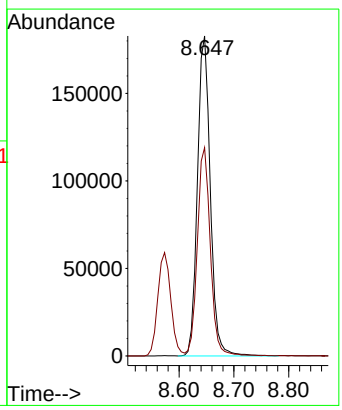


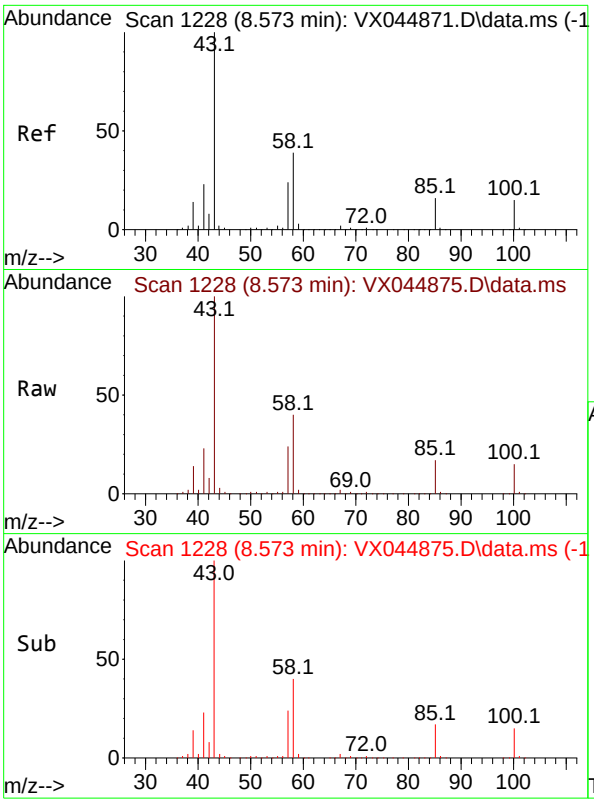


#50
Toluene-d8
Concen: 49.649 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 98 Resp: 299178

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 265.112 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 66556

Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.8	46.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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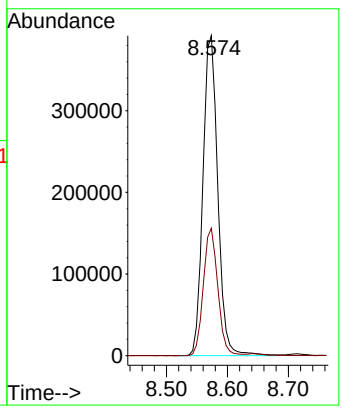
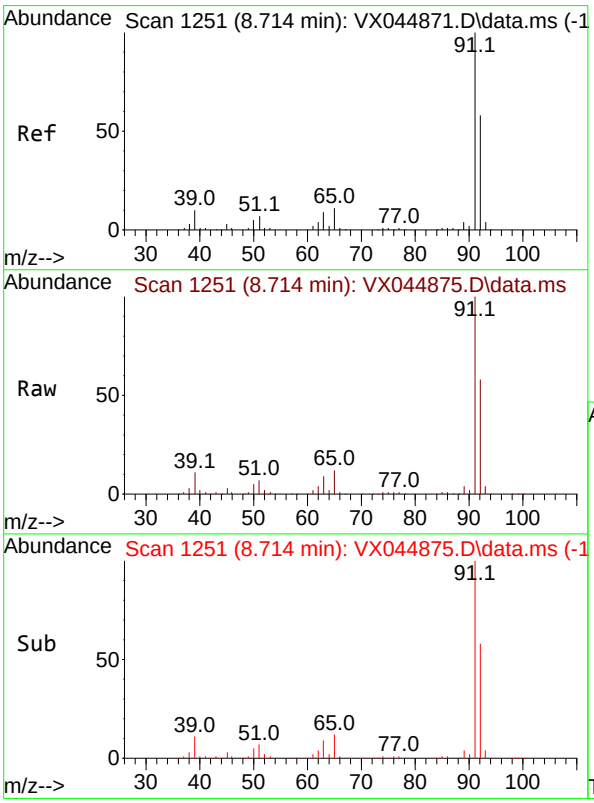
Supervised By :Mahesh Dadoda 02/11/2025

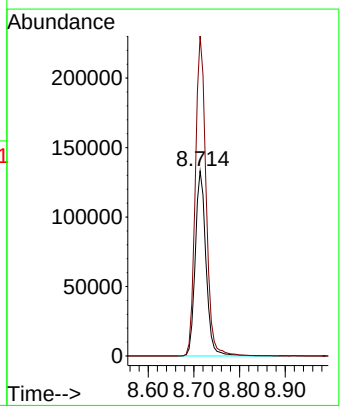


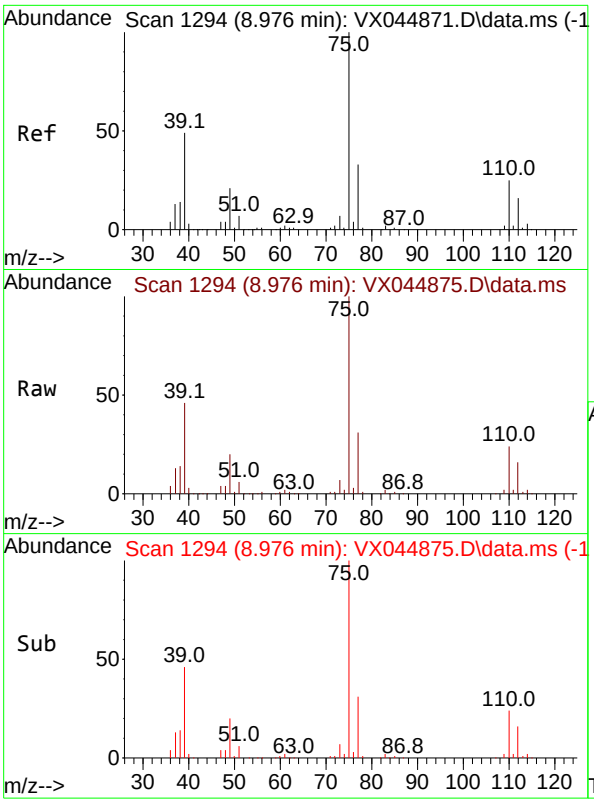


#52
Toluene
Concen: 50.680 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 92 Resp: 216682

Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.4	206.2





#53
t-1,3-Dichloropropene
Concen: 53.731 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 13040

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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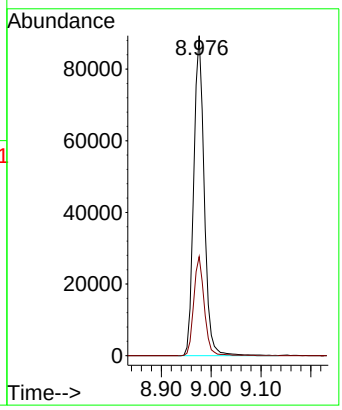
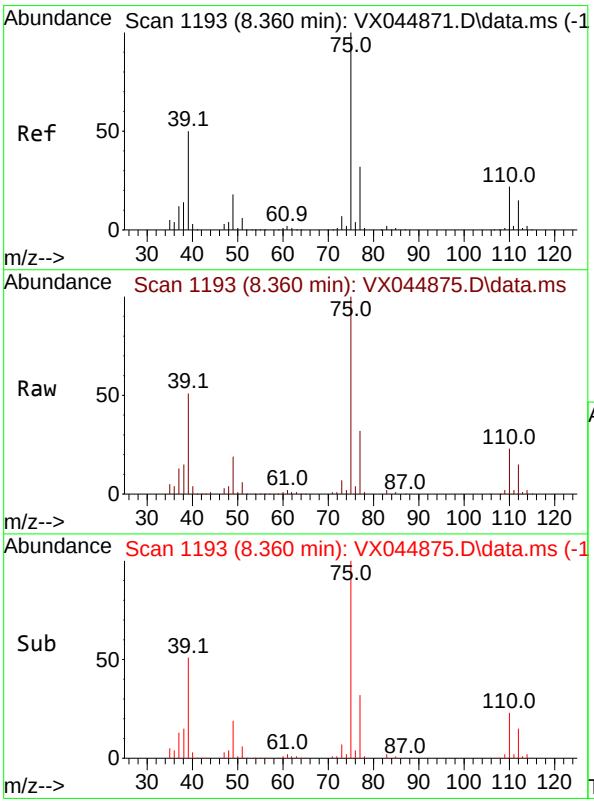
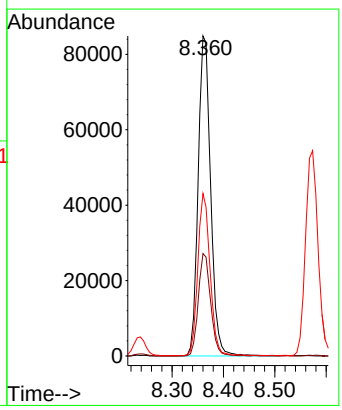


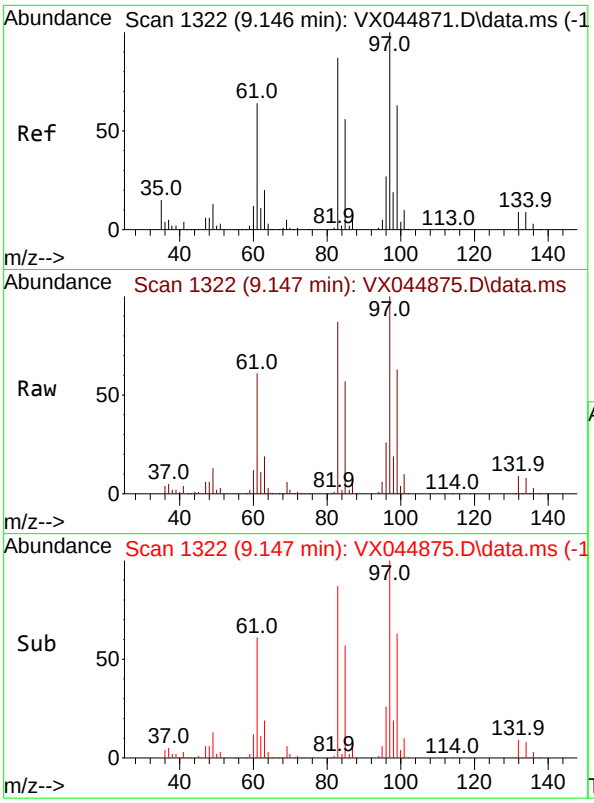


#54
cis-1,3-Dichloropropene
Concen: 52.986 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 143379

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9
39	50.6	40.0	60.0





#55
1,1,2-Trichloroethane
Concen: 50.811 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 97 Resp: 8351

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.8	104.6
85	56.6	44.8	67.2
99	62.8	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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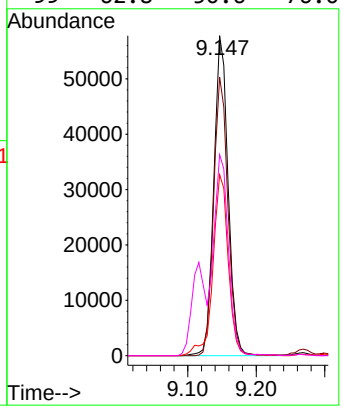
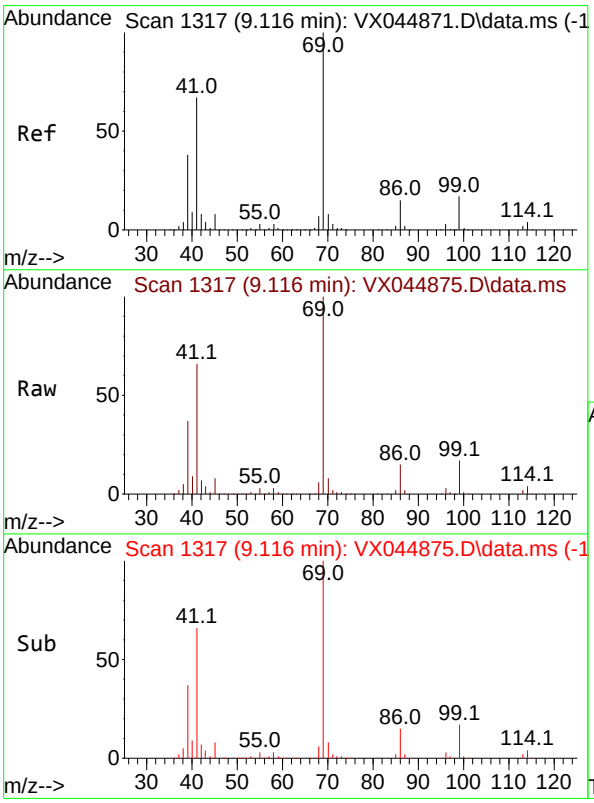
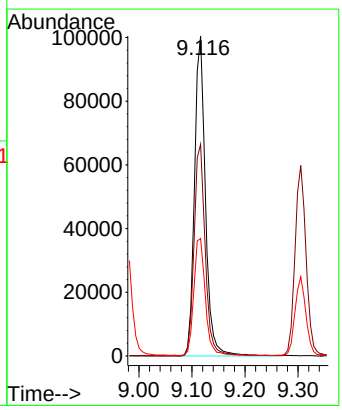


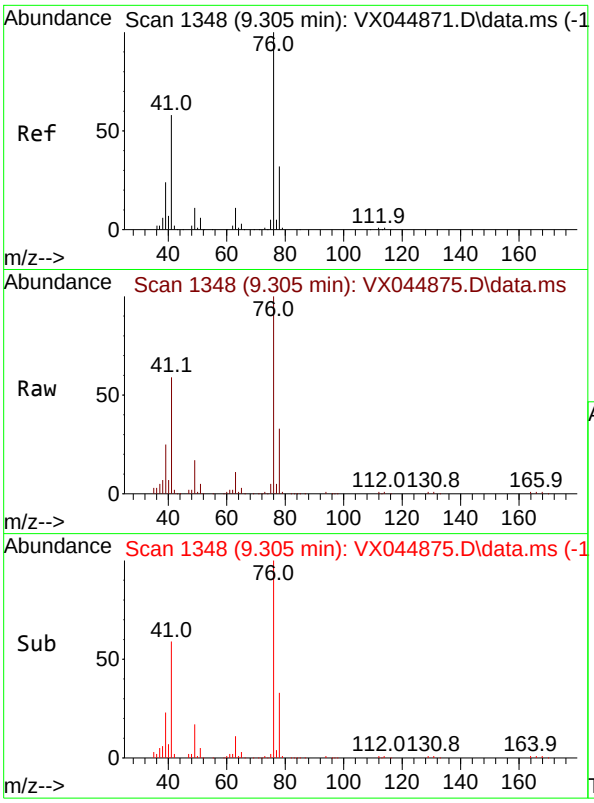


#56
Ethyl methacrylate
Concen: 54.068 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 69 Resp: 143524

Ion	Ratio	Lower	Upper
69	100		
41	67.8	55.2	82.8
39	38.4	30.8	46.2





#57
1,3-Dichloropropane
Concen: 50.852 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 76 Resp: 14623

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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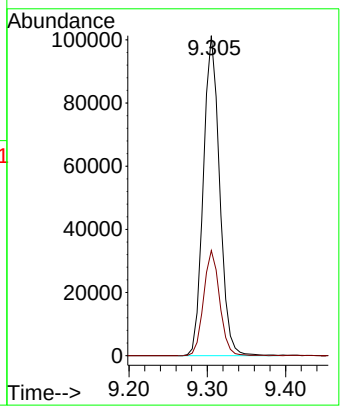
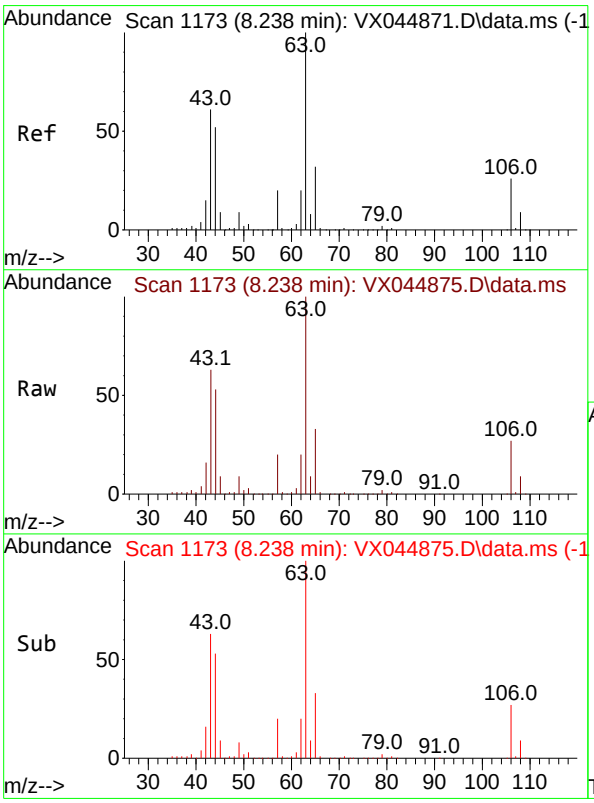
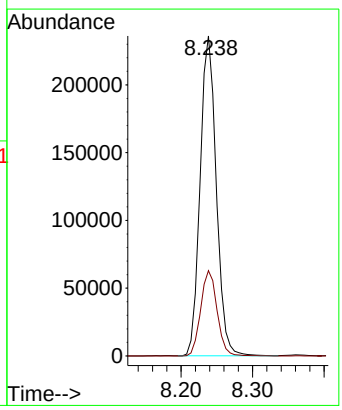


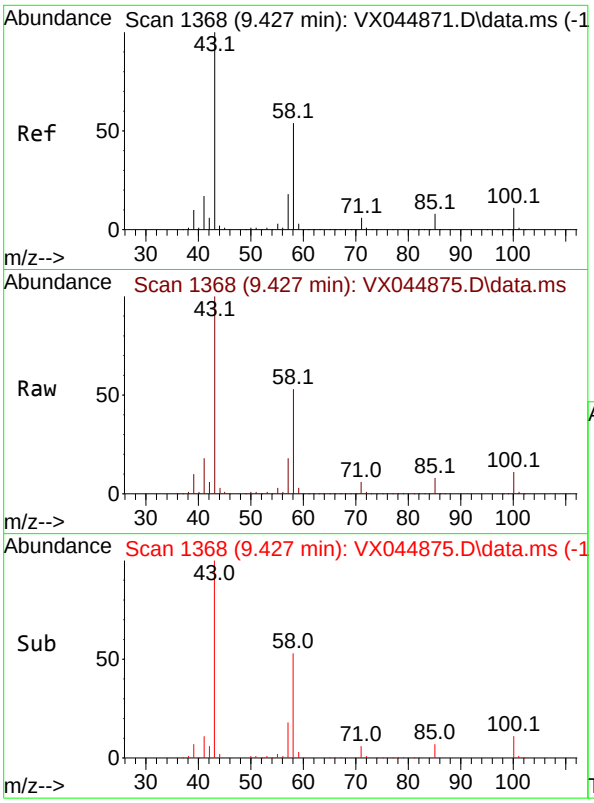


#58
2-Chloroethyl Vinyl ether
Concen: 284.352 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 370622

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.3	31.9





#59
2-Hexanone
Concen: 269.951 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 48829

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.5	82.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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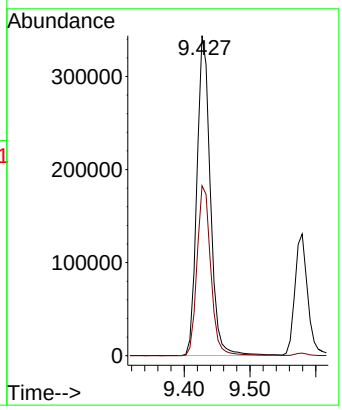
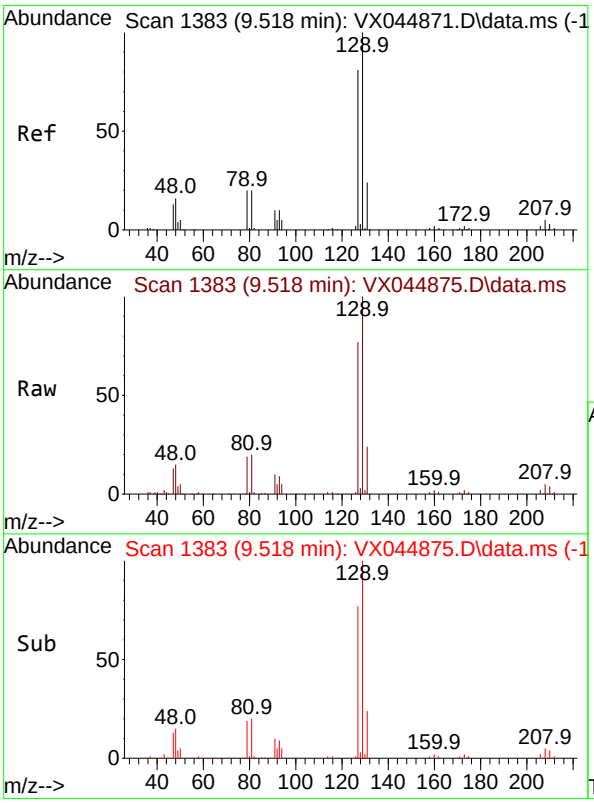
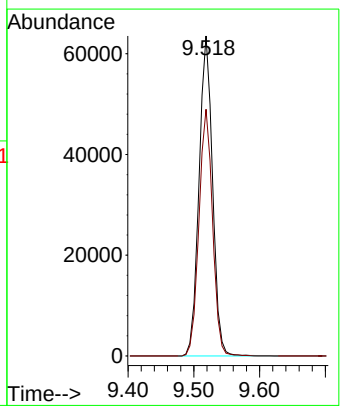


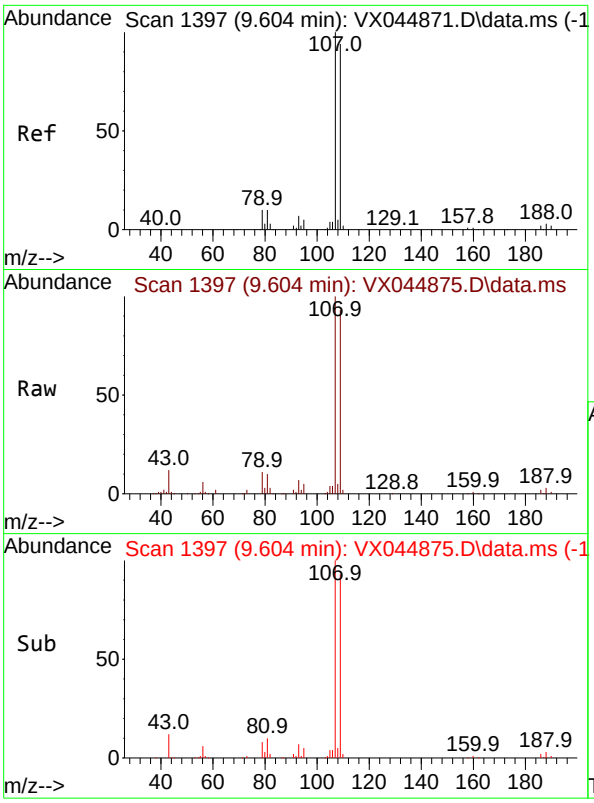


#60
Dibromochloromethane
Concen: 51.673 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:129 Resp: 90826

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.3





#61
1,2-Dibromoethane
Concen: 51.436 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:107 Resp: 8568

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.9	113.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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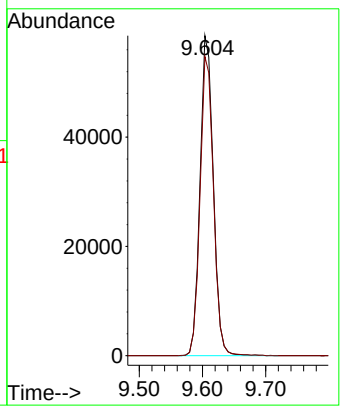
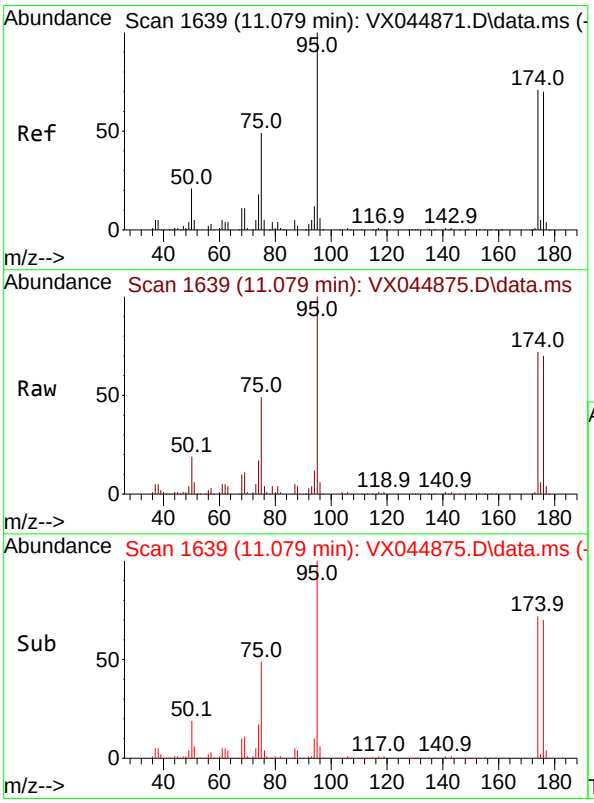
Supervised By :Mahesh Dadoda 02/11/2025

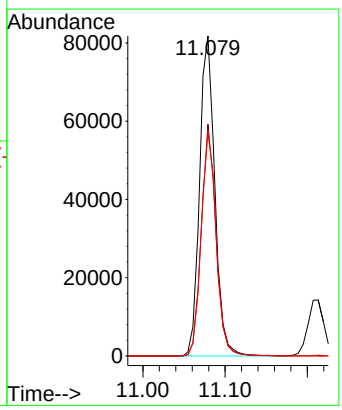


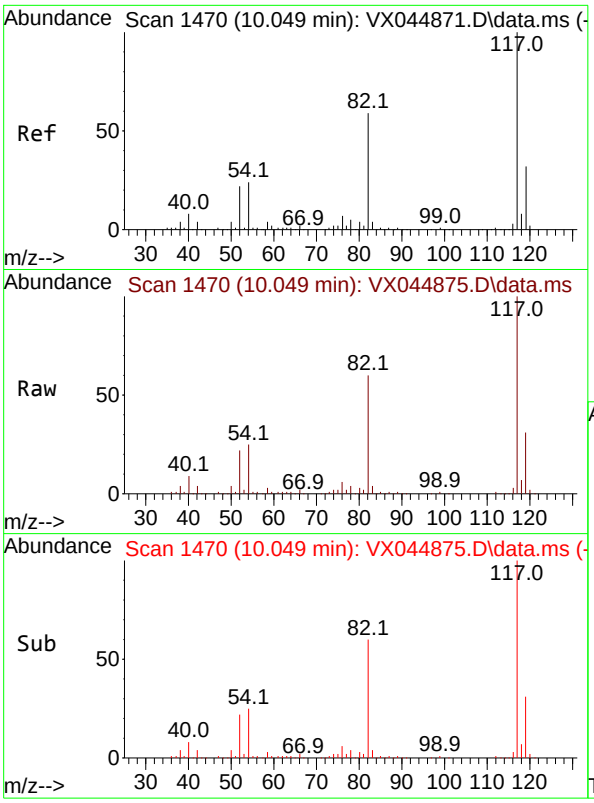


#62
4-Bromofluorobenzene
Concen: 51.786 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 95 Resp: 105201

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	142.6
176	68.9	0.0	141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:117 Resp: 21324

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.5	71.3
119	31.3	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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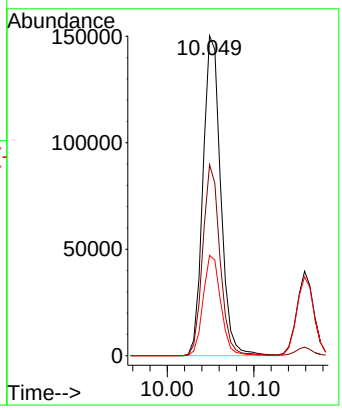
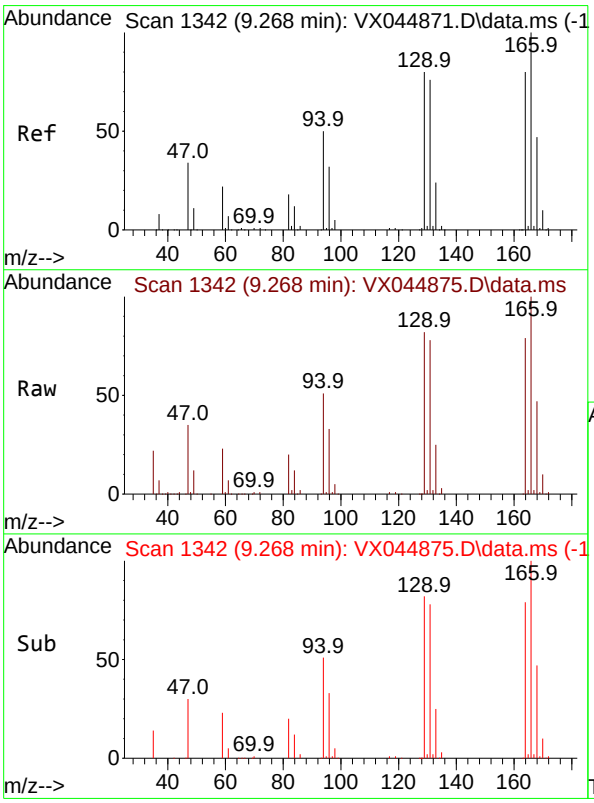
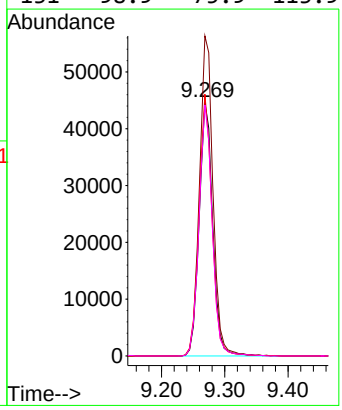


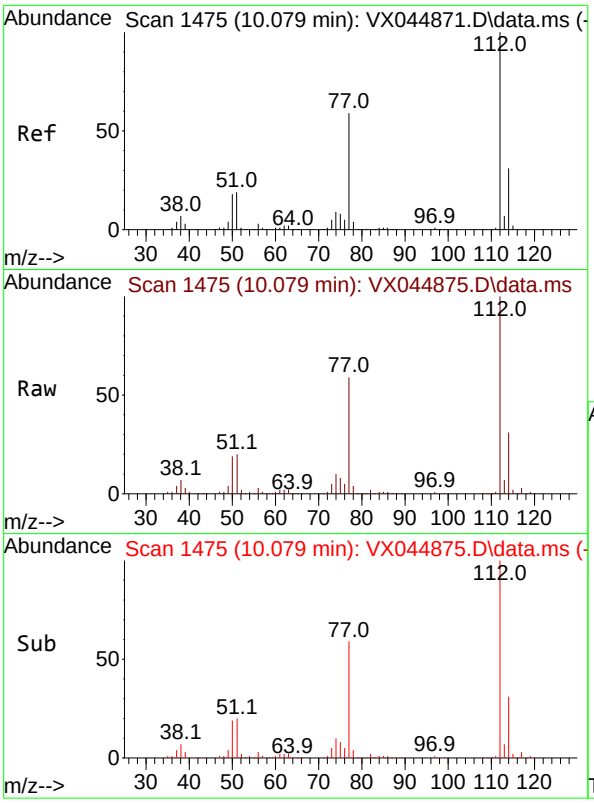


#64
Tetrachloroethene
Concen: 49.424 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:164 Resp: 66468

Ion	Ratio	Lower	Upper
164	100		
166	126.1	100.4	150.6
129	103.1	79.9	119.9
131	98.9	75.9	113.9





#65
Chlorobenzene
Concen: 50.952 ug/l
RT: 10.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:112 Resp: 23337

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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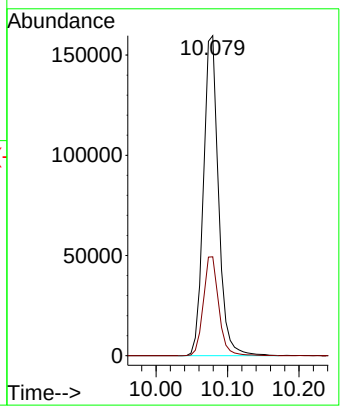
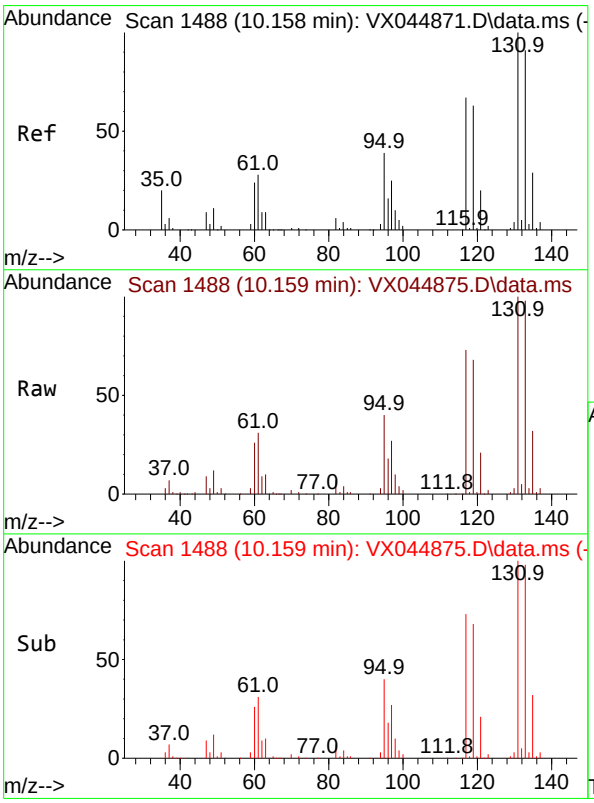
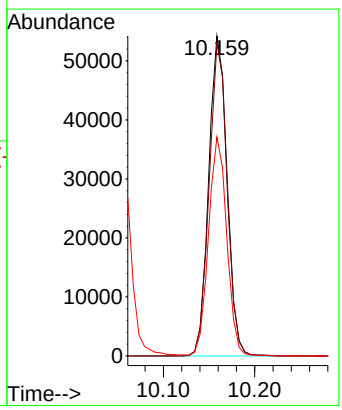


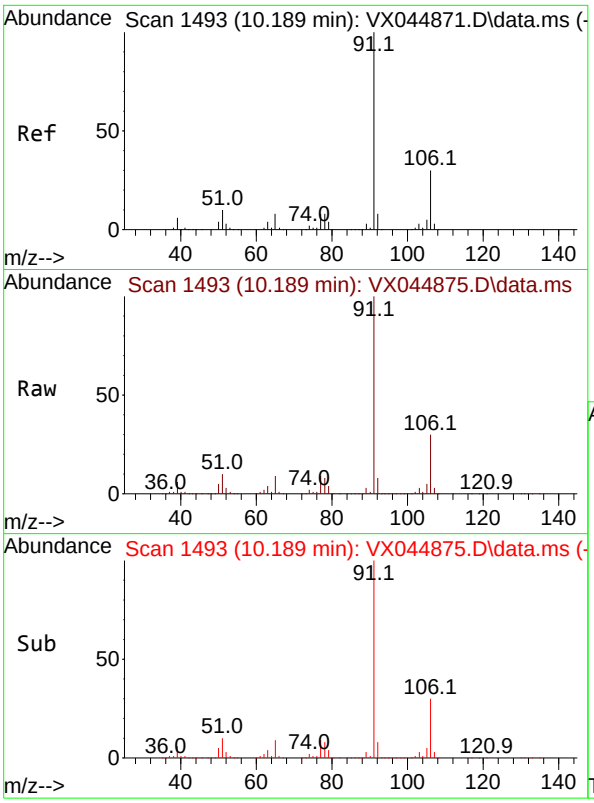


#66
1,1,1,2-Tetrachloroethane
Concen: 51.205 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:131 Resp: 75488

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.1	141.3
119	68.2	33.6	100.6





#67
Ethyl Benzene
Concen: 51.415 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 41557

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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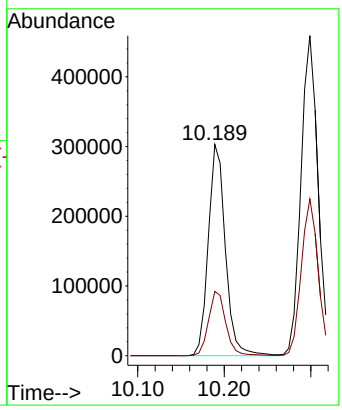
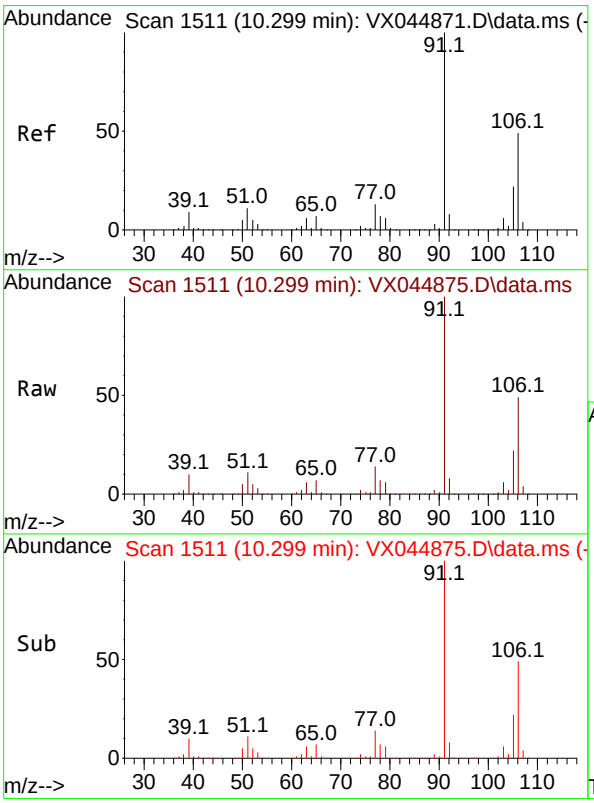
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

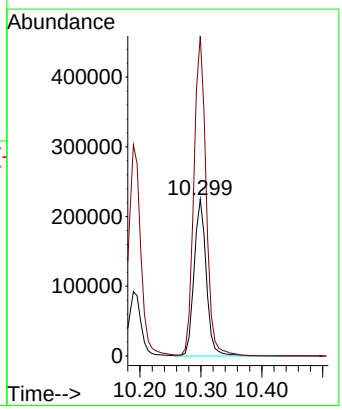


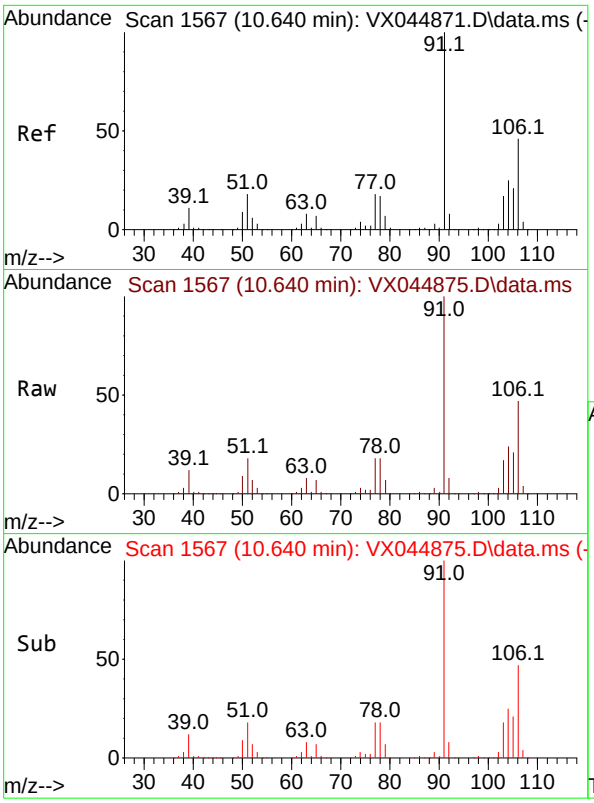


#68
m/p-Xylenes
Concen: 104.282 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:106 Resp: 310925

Ion	Ratio	Lower	Upper
106	100		
91	205.2	164.3	246.5





#69
o-Xylene
Concen: 50.804 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

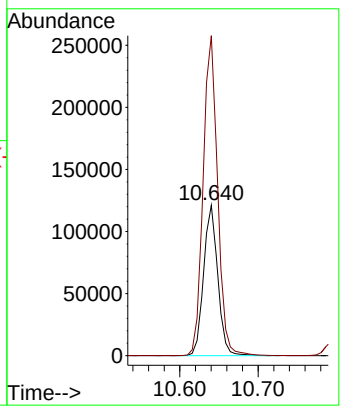
Tgt Ion:106 Resp: 15199

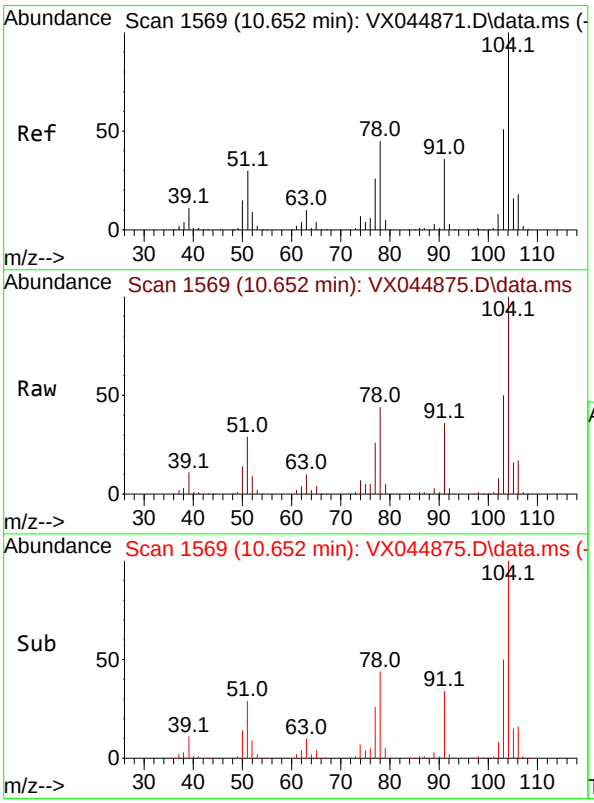
Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.5	325.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

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

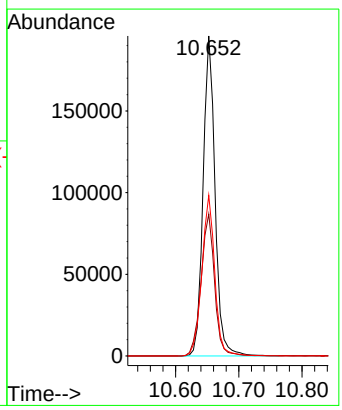


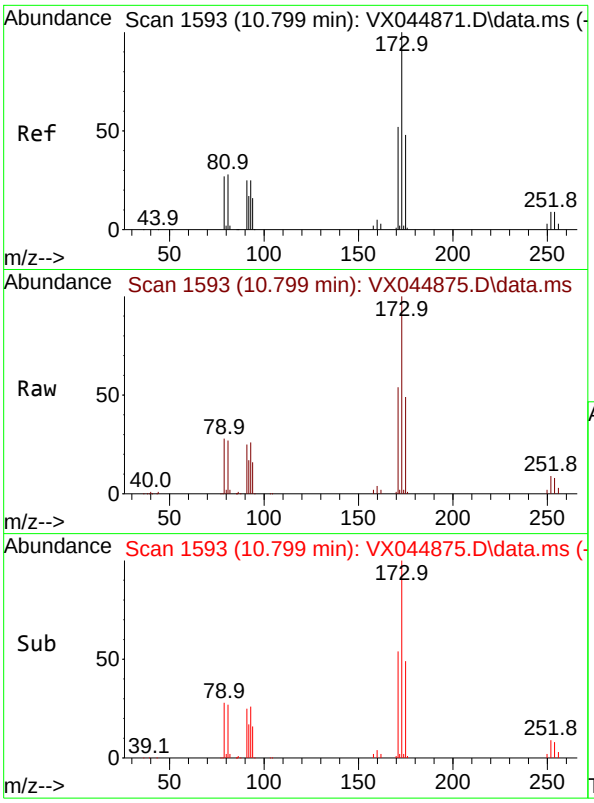


#70
Styrene
Concen: 53.521 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:104 Resp: 257972

Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.5	60.7
103	54.5	43.6	65.4





#71
Bromoform
Concen: 53.997 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:173 Resp: 5940

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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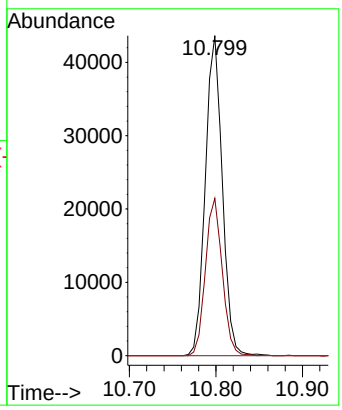
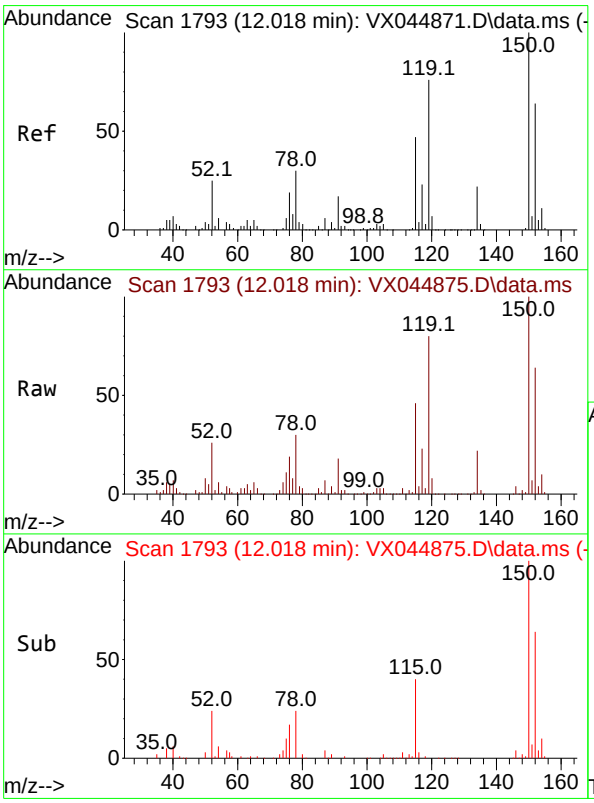
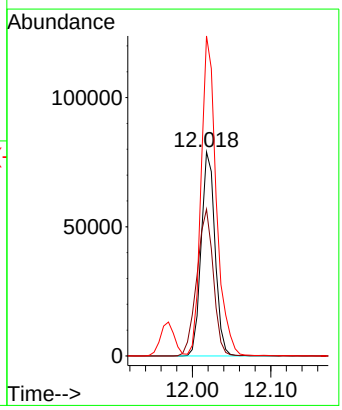


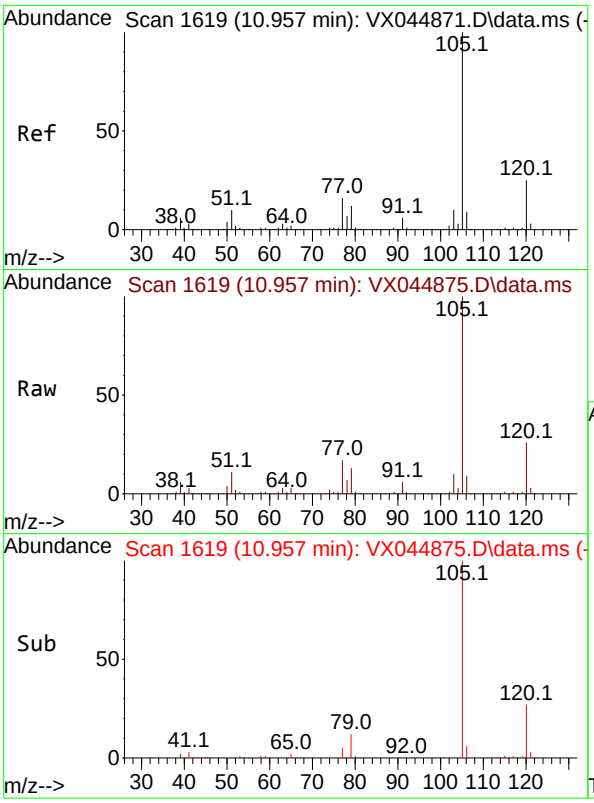


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:152 Resp: 97087

Ion	Ratio	Lower	Upper
152	100		
115	85.5	43.4	130.1
150	171.8	0.0	350.4





#73
Isopropylbenzene
Concen: 49.921 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 39024(

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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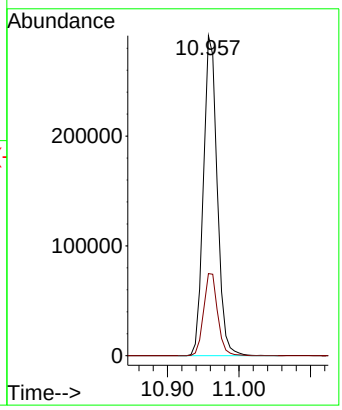
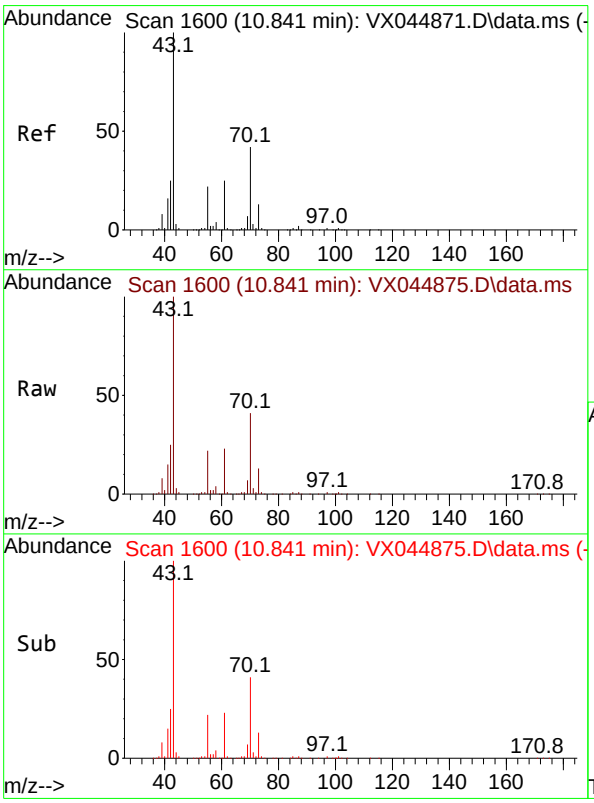
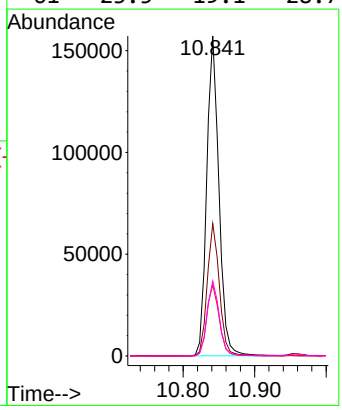


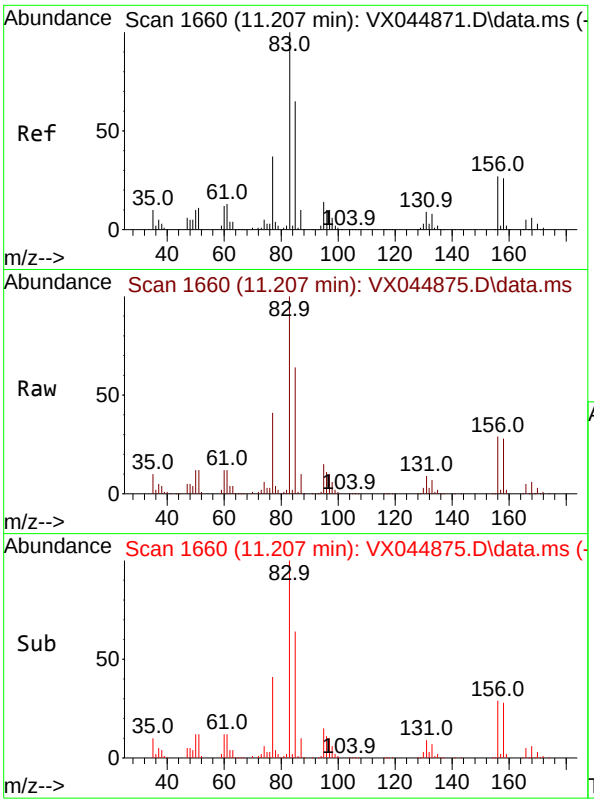


#74
N-amyl acetate
Concen: 52.621 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 186145

Ion	Ratio	Lower	Upper
43	100		
70	41.4	33.7	50.5
55	22.8	18.6	27.8
61	23.5	19.1	28.7





#75
1,1,2,2-Tetrachloroethane
Concen: 48.331 ug/l
RT: 11.207 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 83 Resp: 129829

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.5
85	65.1	32.3	96.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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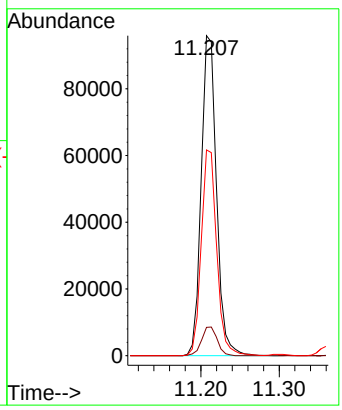
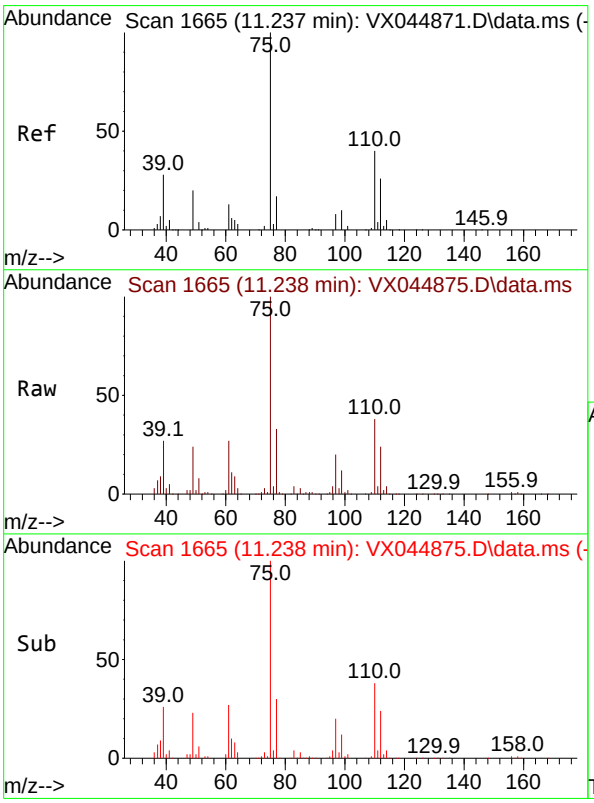
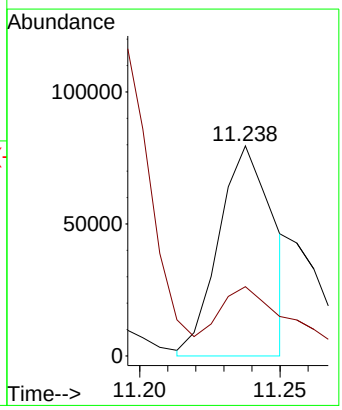


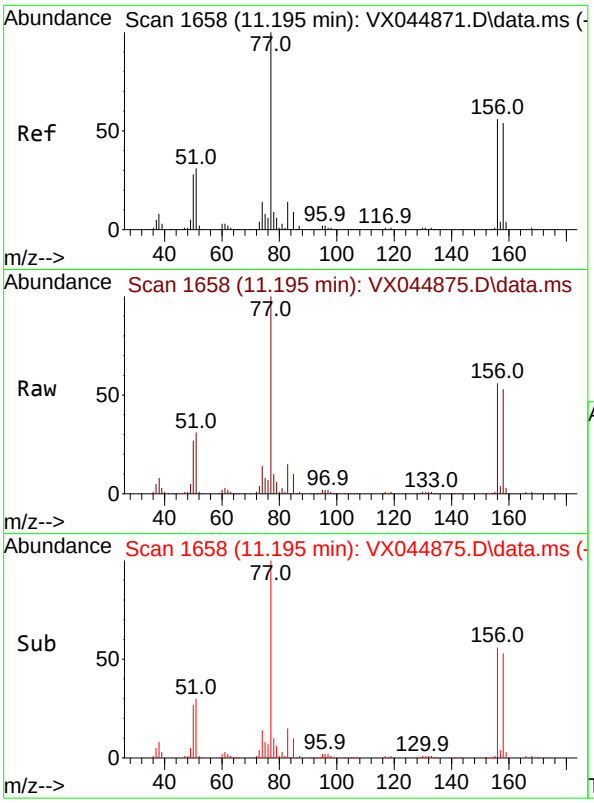


#76
1,2,3-Trichloropropane
Concen: 49.659 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 106893

Ion	Ratio	Lower	Upper
75	100		
77	43.7	21.9	65.7





#77
Bromobenzene
Concen: 49.725 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:156 Resp: 8812

Ion	Ratio	Lower	Upper
156	100		
77	176.3	88.4	265.3
158	96.7	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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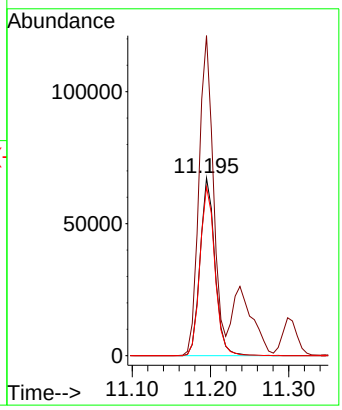
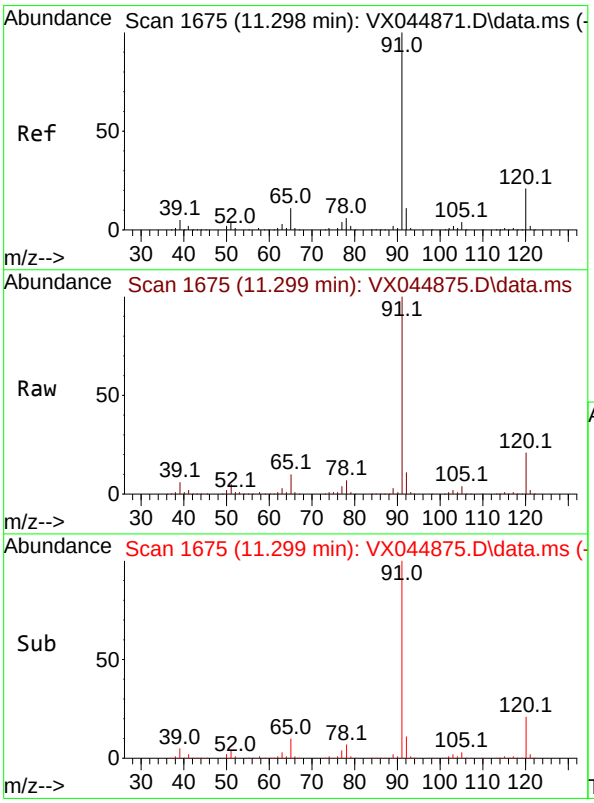
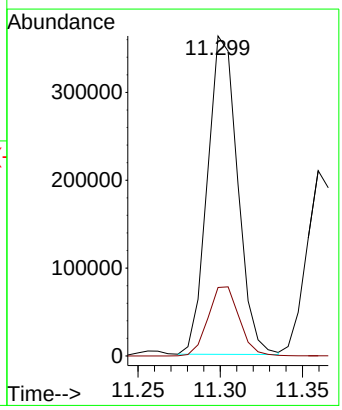


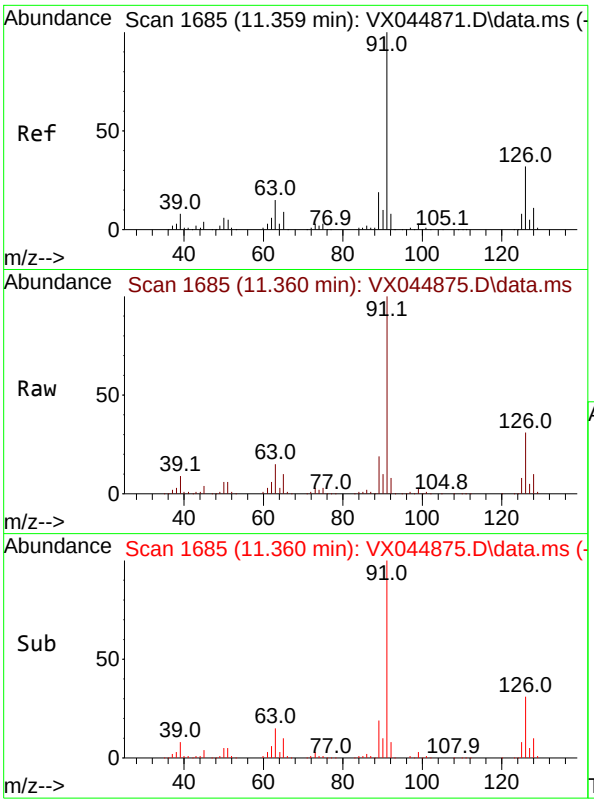


#78
n-propylbenzene
Concen: 51.386 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 463655

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3





#79
2-Chlorotoluene
Concen: 49.065 ug/l
RT: 11.360 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 27209

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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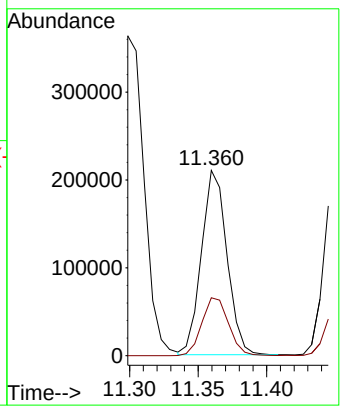
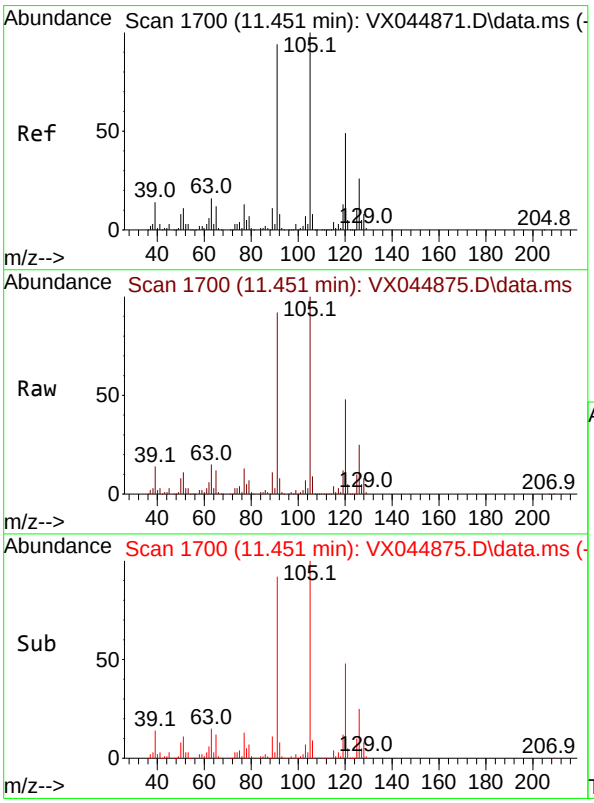
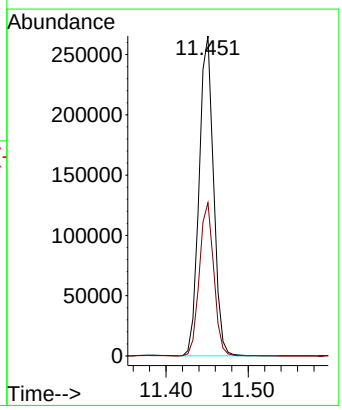


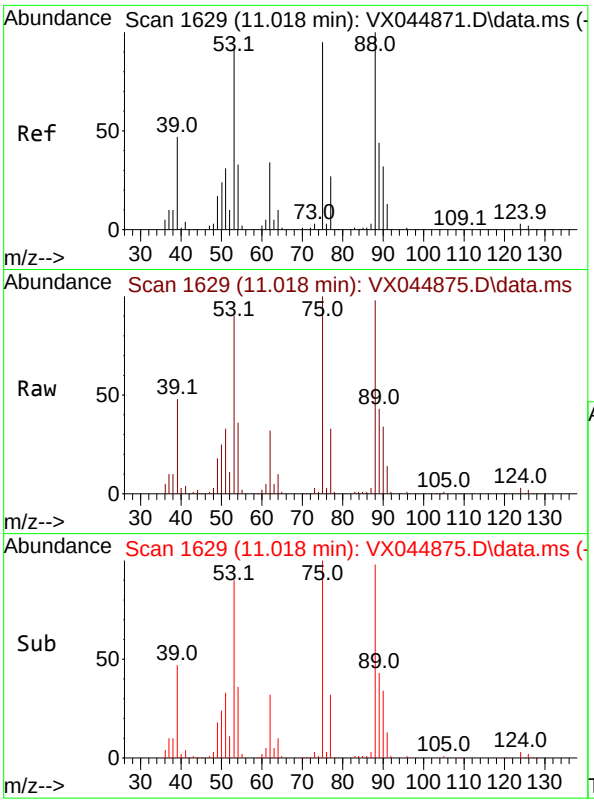


#80
1,3,5-Trimethylbenzene
Concen: 50.956 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 323251

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 52.665 ug/l
RT: 11.018 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 4407(

Ion	Ratio	Lower	Upper
75	100		
53	96.9	78.0	117.0
89	44.3	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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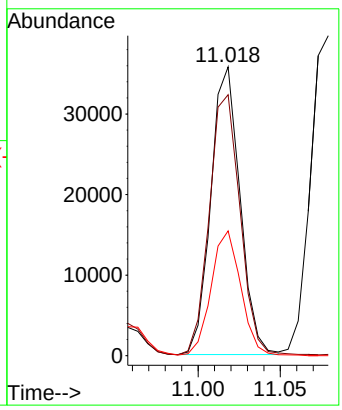
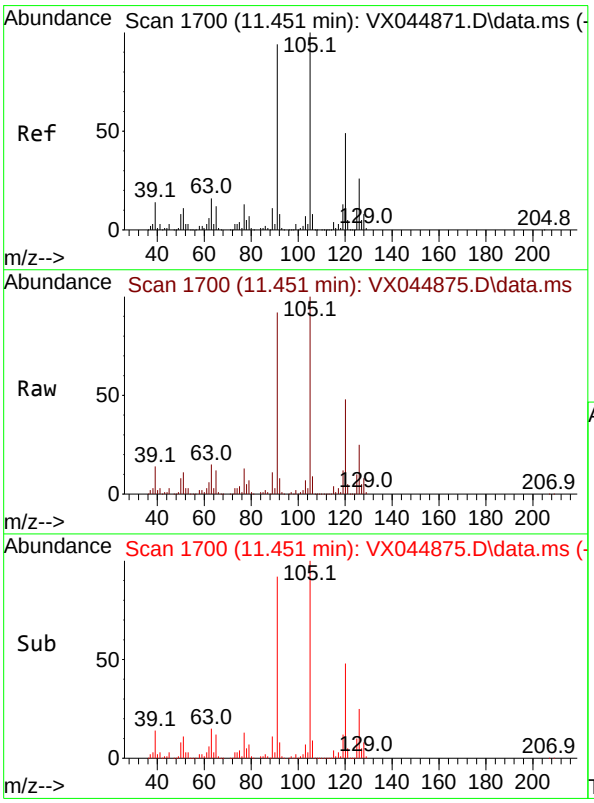
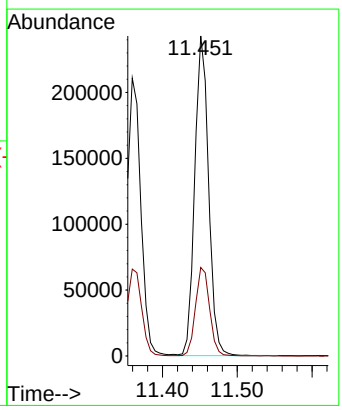


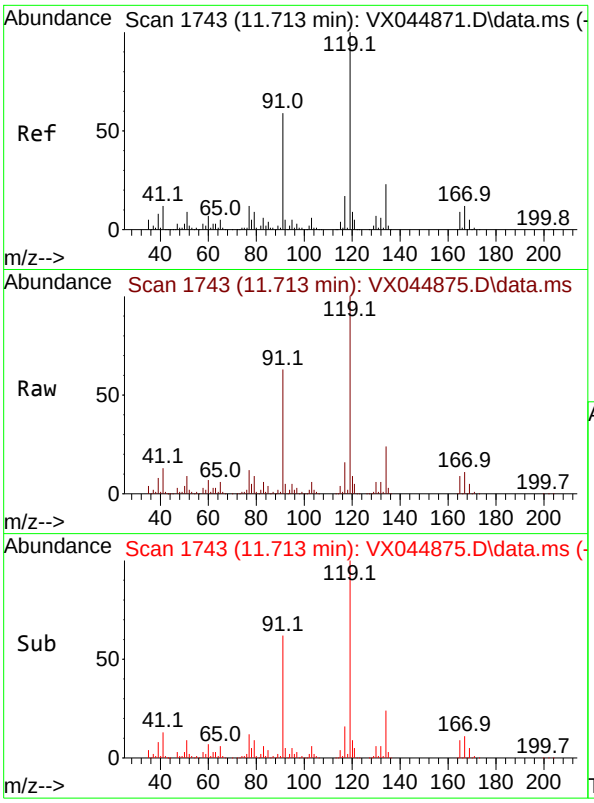


#82
4-Chlorotoluene
Concen: 50.872 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 312112

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.2	42.6





#83
tert-Butylbenzene
Concen: 50.139 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:119 Resp: 32177

Ion	Ratio	Lower	Upper
119	100		
91	60.7	29.1	87.4
134	23.0	11.5	34.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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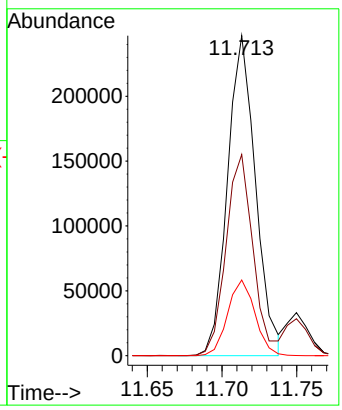
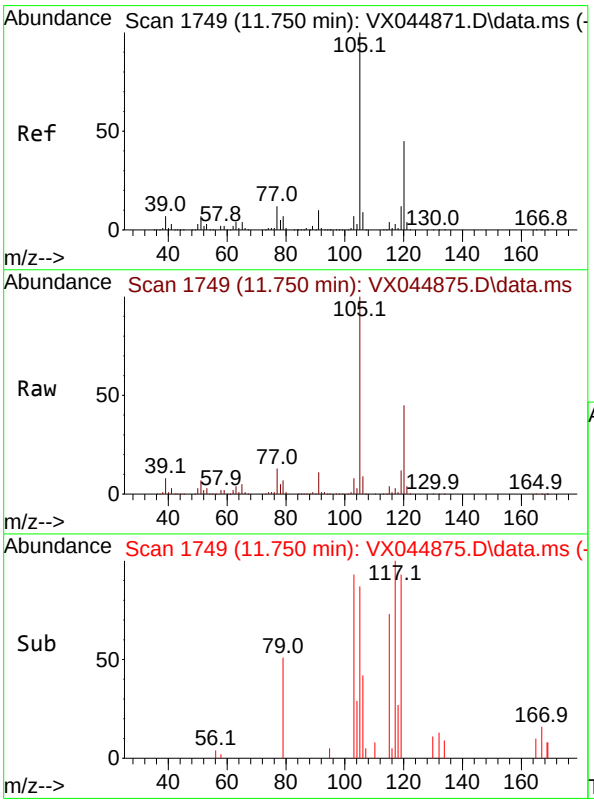
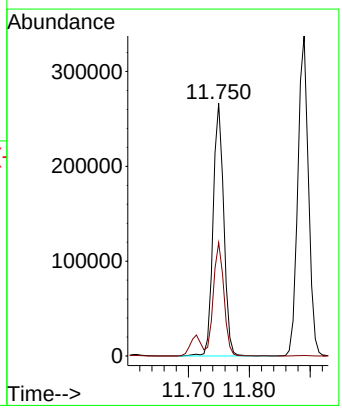


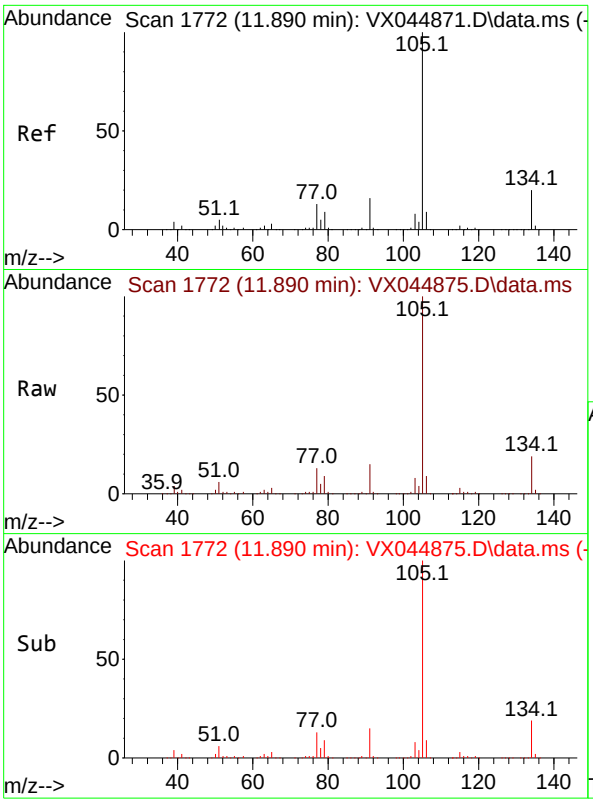


#84
1,2,4-Trimethylbenzene
Concen: 51.593 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 323035

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.0





#85
sec-Butylbenzene
Concen: 51.617 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 41019

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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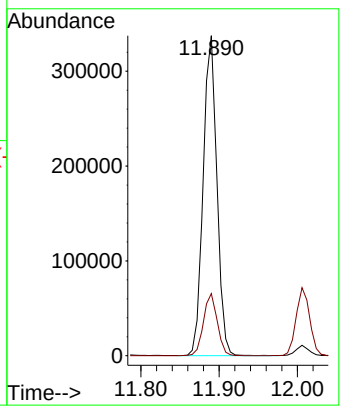
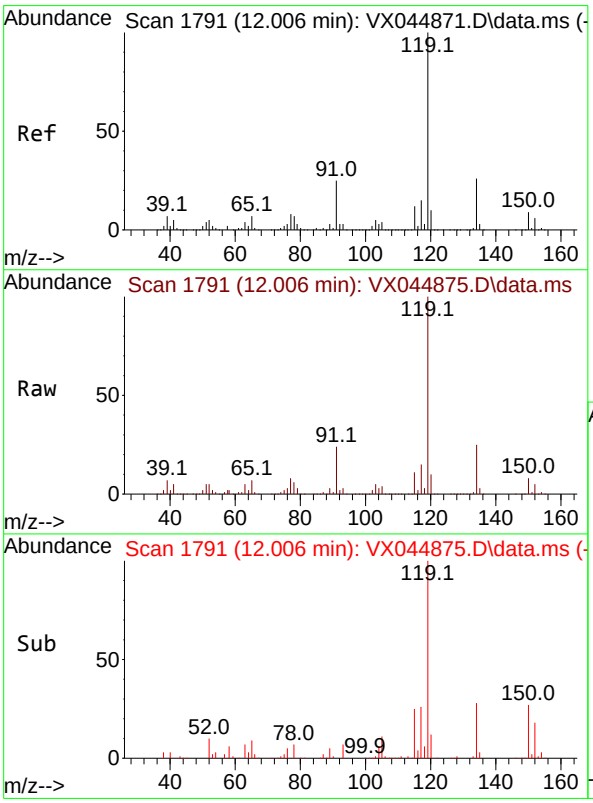
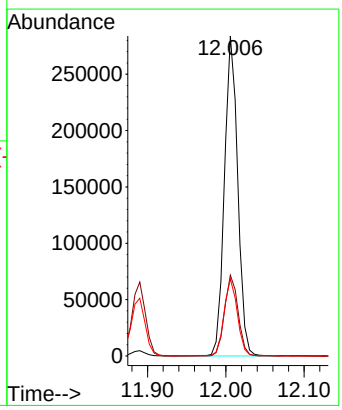


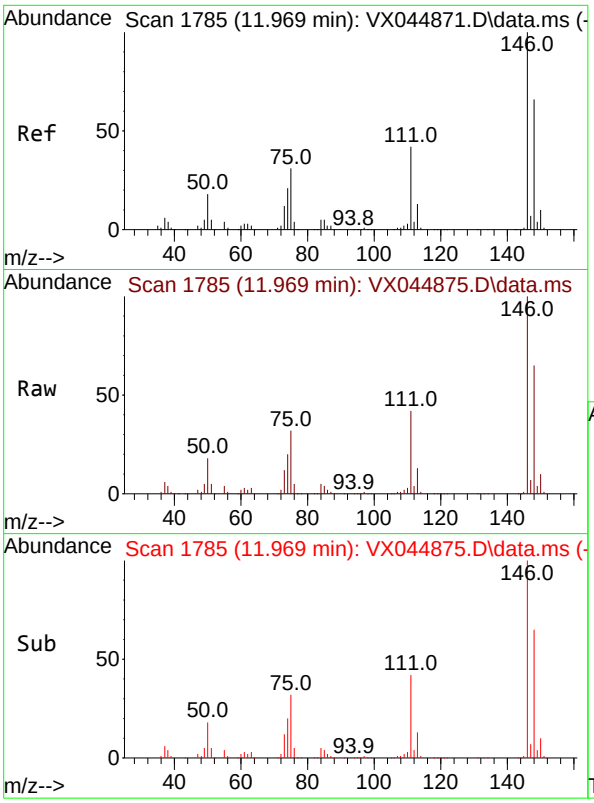


#86
p-Isopropyltoluene
Concen: 52.581 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:119 Resp: 336027

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.0	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 50.475 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:146 Resp: 16450

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	64.3	32.5	97.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

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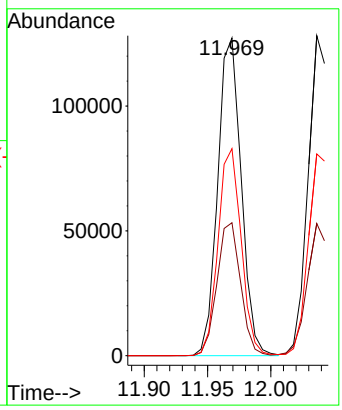
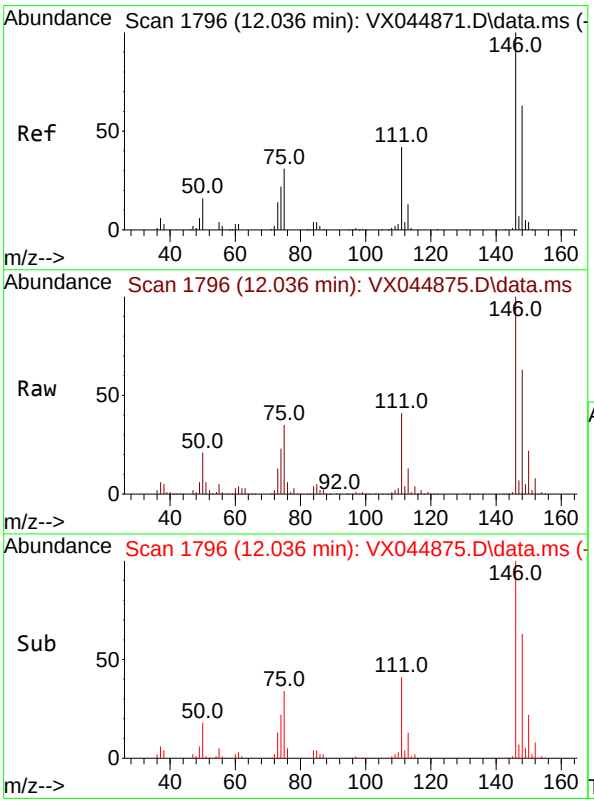
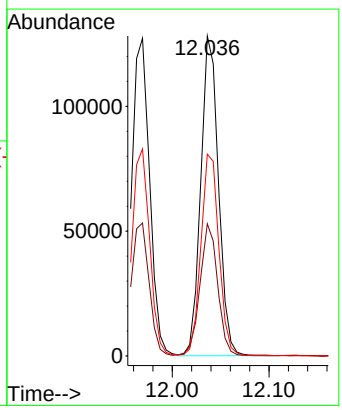


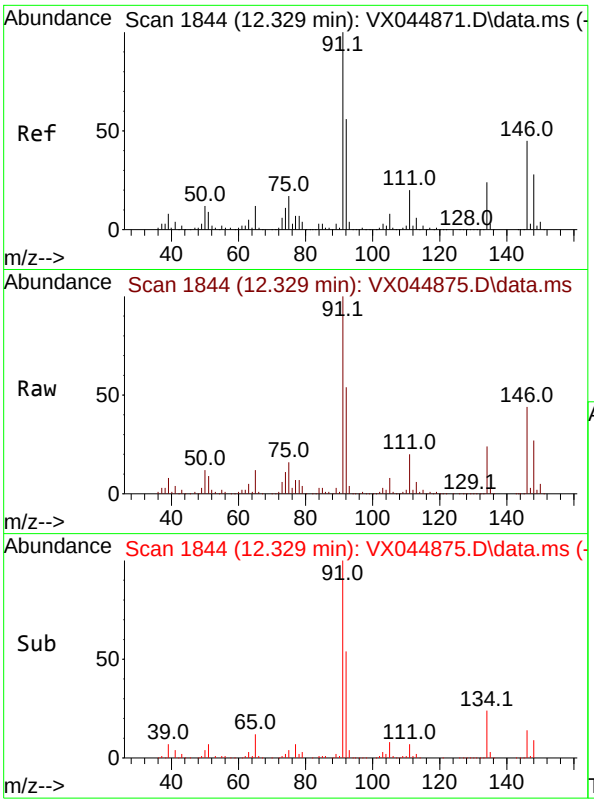


#88
1,4-Dichlorobenzene
Concen: 49.526 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:146 Resp: 163203

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.3
148	64.2	32.0	96.0





#89
n-Butylbenzene
Concen: 55.142 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

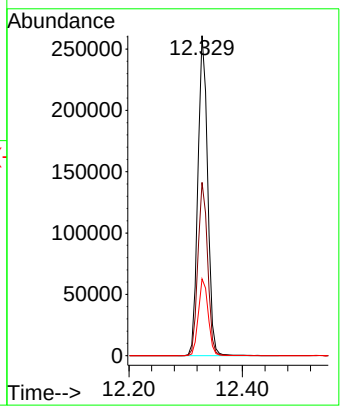
Tgt Ion: 91 Resp: 31176

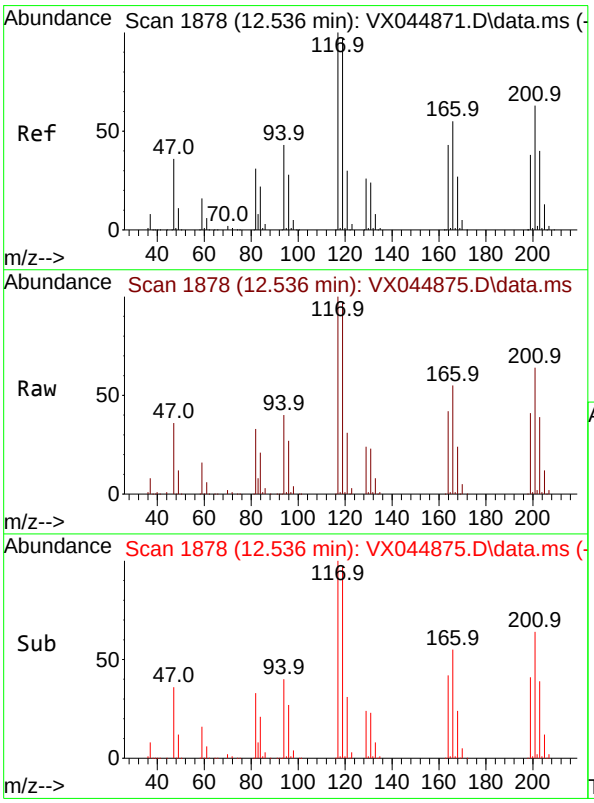
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.2	81.6
134	24.1	12.1	36.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

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

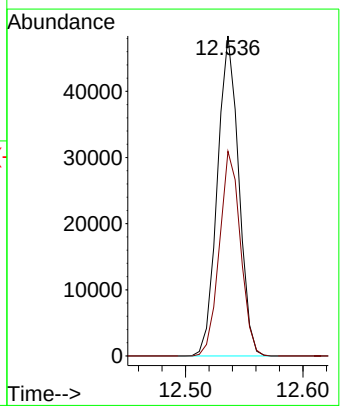


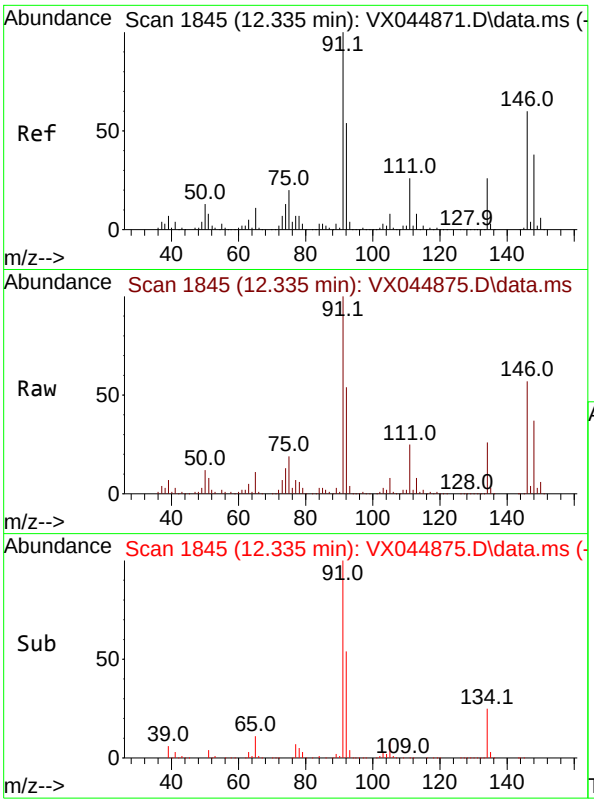


#90
Hexachloroethane
Concen: 50.990 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:117 Resp: 61016

Ion	Ratio	Lower	Upper
117	100		
201	63.1	32.5	97.5





#91
1,2-Dichlorobenzene
Concen: 50.447 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

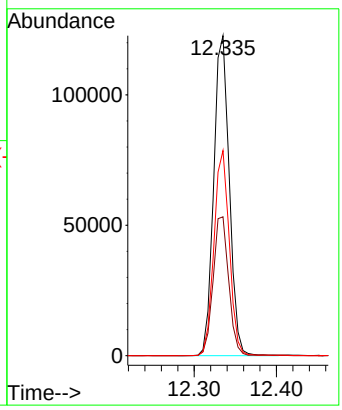
Tgt Ion:146 Resp: 16159

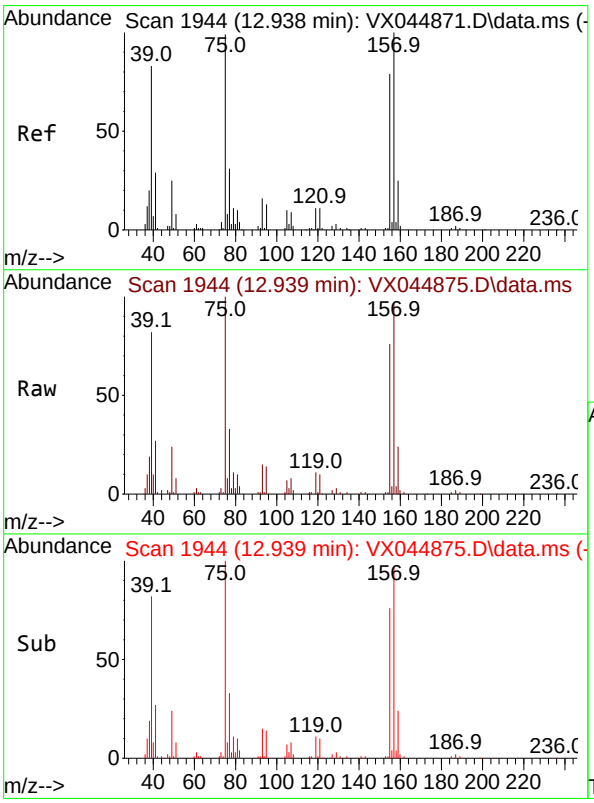
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.3	31.9	95.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

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

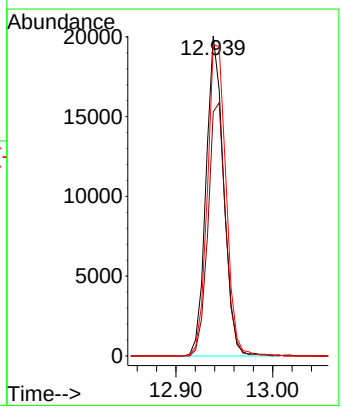


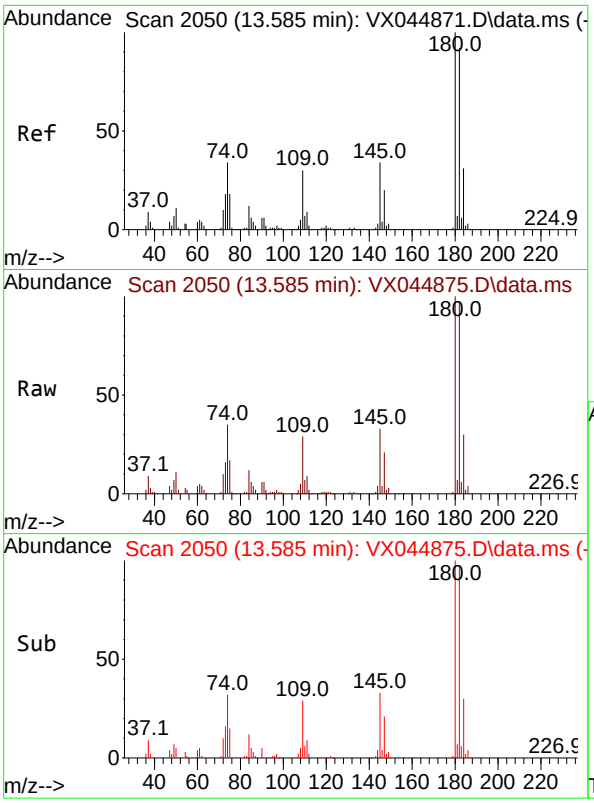


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.684 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 25339

Ion	Ratio	Lower	Upper
75	100		
155	79.5	40.5	121.4
157	103.5	51.4	154.3





#93
1,2,4-Trichlorobenzene
Concen: 52.726 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

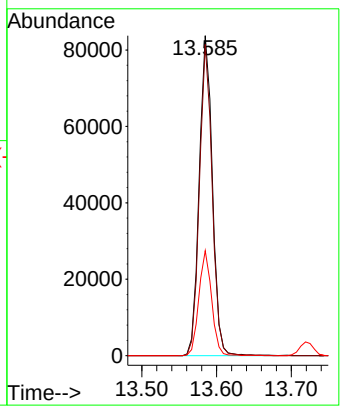
Tgt Ion:180 Resp: 10219

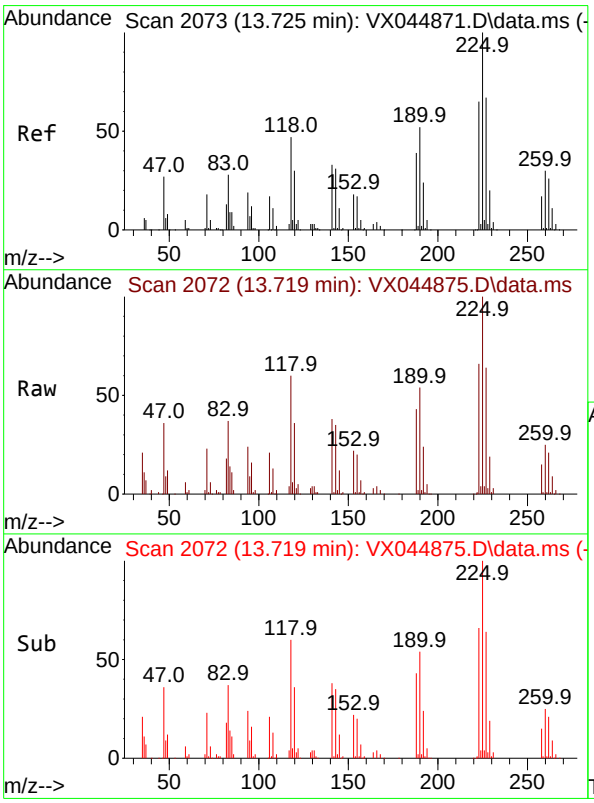
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.8
145	31.9	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

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

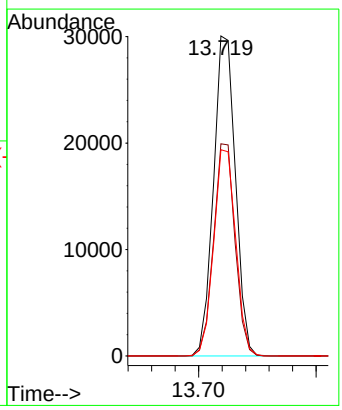


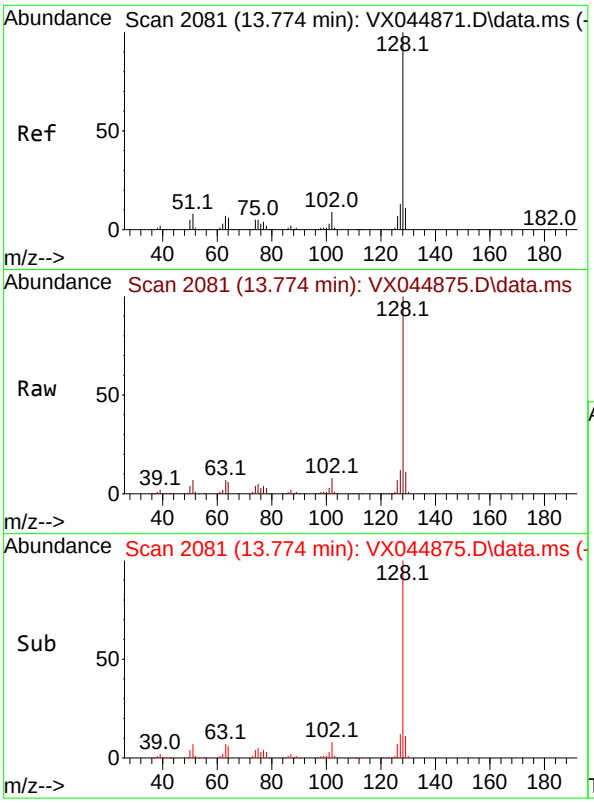


#94
Hexachlorobutadiene
Concen: 50.683 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:225 Resp: 38998

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.4	94.2
227	64.8	32.3	96.8





#95
Naphthalene
Concen: 53.033 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

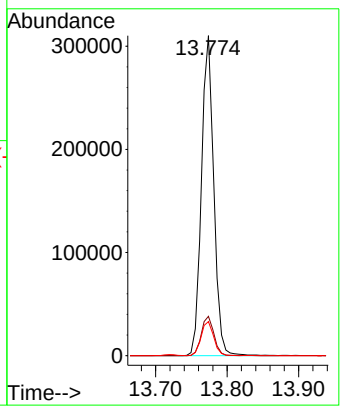
Tgt Ion:128 Resp: 37157(

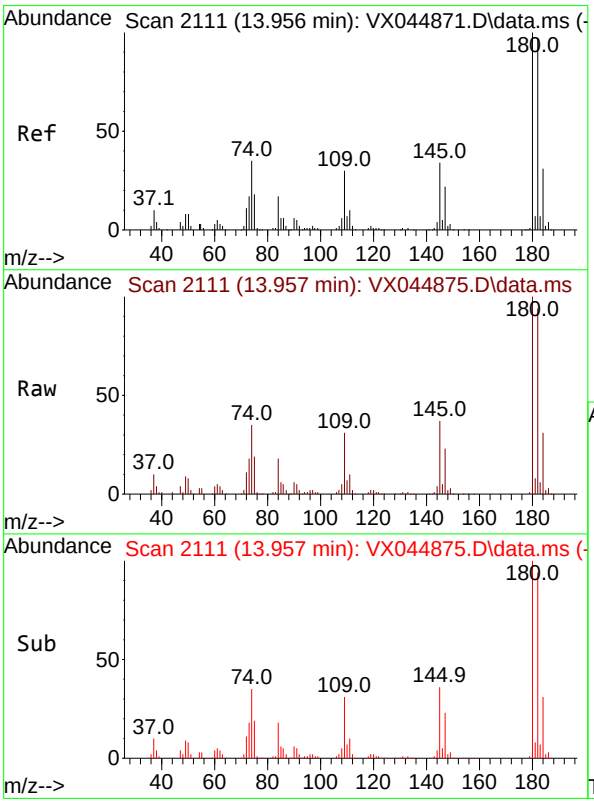
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

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

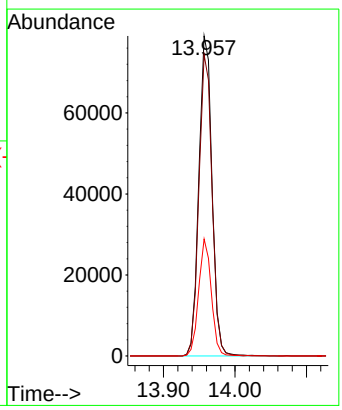




#96
1,2,3-Trichlorobenzene
Concen: 51.575 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:180 Resp: 100730

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.6
145	35.2	17.1	51.3



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	106	0.00
2	T	Dichlorodifluoromethane	0.701	0.690	1.6	105	0.00
3	P	Chloromethane	0.854	0.812	4.9	102	0.00
4	C	Vinyl Chloride	0.827	0.778	5.9#	102	0.00
5	T	Bromomethane	0.247	0.231	6.5	99	0.00
6	T	Chloroethane	0.307	0.279	9.1	87	0.00
7	T	Trichlorofluoromethane	1.046	1.016	2.9	105	0.00
8	T	Diethyl Ether	0.379	0.361	4.7	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.639	-1.1	109	0.00
10	T	Methyl Iodide	0.819	0.820	-0.1	103	0.00
11	T	Tert butyl alcohol	0.136	0.137	-0.7	107	0.00
12	CM	1,1-Dichloroethene	0.644	0.618	4.0#	104	0.00
13	T	Acrolein	0.140	0.135	3.6	101	0.00
14	T	Allyl chloride	1.165	1.141	2.1	105	0.00
15	T	Acrylonitrile	0.363	0.365	-0.6	102	0.00
16	T	Acetone	0.294	0.303	-3.1	110	0.00
17	T	Carbon Disulfide	1.767	1.749	1.0	105	0.00
18	T	Methyl Acetate	0.928	0.927	0.1	104	0.00
19	T	Methyl tert-butyl Ether	2.050	2.028	1.1	105	0.00
20	T	Methylene Chloride	0.721	0.692	4.0	104	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.623	1.7	103	0.00
22	T	Diisopropyl ether	2.203	2.210	-0.3	105	0.00
23	T	Vinyl Acetate	1.796	1.850	-3.0	106	0.00
24	P	1,1-Dichloroethane	1.233	1.216	1.4	105	0.00
25	T	2-Butanone	0.478	0.493	-3.1	104	0.00
26	T	2,2-Dichloropropane	0.978	0.983	-0.5	110	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.754	1.0	106	0.00
28	T	Bromochloromethane	0.593	0.536	9.6	98	0.00
29	T	Tetrahydrofuran	0.317	0.321	-1.3	104	0.00
30	C	Chloroform	1.196	1.157	3.3#	105	0.00
31	T	Cyclohexane	1.137	1.119	1.6	106	0.00
32	T	1,1,1-Trichloroethane	1.014	0.990	2.4	105	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.704	3.8	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.325	0.320	1.5	105	0.00
36	T	1,1-Dichloropropene	0.469	0.457	2.6	103	0.00
37	T	Ethyl Acetate	0.522	0.514	1.5	102	0.00
38	T	Carbon Tetrachloride	0.460	0.451	2.0	104	0.00
39	T	Methylcyclohexane	0.606	0.646	-6.6	109	0.00
40	TM	Benzene	1.465	1.462	0.2	104	0.00
41	T	Methacrylonitrile	0.279	0.300	-7.5	104	0.00
42	TM	1,2-Dichloroethane	0.467	0.471	-0.9	105	0.00
43	T	Isopropyl Acetate	0.842	0.873	-3.7	104	0.00
44	TM	Trichloroethene	0.335	0.334	0.3	105	0.00
45	C	1,2-Dichloropropane	0.364	0.367	-0.8#	105	0.00
46	T	Dibromomethane	0.253	0.250	1.2	103	0.00
47	T	Bromodichloromethane	0.489	0.499	-2.0	105	0.00
48	T	Methyl methacrylate	0.397	0.420	-5.8	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	101	0.00
50	S	Toluene-d8	1.229	1.221	0.7	103	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.543	-6.1	103	0.00
52	CM	Toluene	0.872	0.884	-1.4#	103	0.00
53	T	t-1,3-Dichloropropene	0.495	0.532	-7.5	109	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.585	-6.0	106	0.00
55	T	1,1,2-Trichloroethane	0.335	0.341	-1.8	105	0.00
56	T	Ethyl methacrylate	0.542	0.586	-8.1	106	0.00
57	T	1,3-Dichloropropane	0.587	0.597	-1.7	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.302	-13.5	110	0.00
59	T	2-Hexanone	0.369	0.398	-7.9	103	0.00
60	T	Dibromochloromethane	0.359	0.371	-3.3	104	0.00
61	T	1,2-Dibromoethane	0.340	0.350	-2.9	105	0.00
62	S	4-Bromofluorobenzene	0.414	0.429	-3.6	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.315	0.312	1.0	105	0.00
65	PM	Chlorobenzene	1.074	1.094	-1.9	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.354	-2.3	104	0.00
67	C	Ethyl Benzene	1.895	1.949	-2.8#	105	0.00
68	T	m/p-Xylenes	0.699	0.729	-4.3	105	0.00
69	T	o-Xylene	0.701	0.713	-1.7	105	0.00
70	T	Styrene	1.130	1.210	-7.1	105	0.00
71	P	Bromoform	0.258	0.279	-8.1	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	4.026	4.020	0.1	104	0.00
74	T	N-amyl acetate	1.822	1.917	-5.2	106	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.337	3.3	103	0.00
76	T	1,2,3-Trichloropropane	1.109	1.101	0.7	104	0.00
77	T	Bromobenzene	0.913	0.908	0.5	104	0.00
78	T	n-propylbenzene	4.647	4.776	-2.8	106	0.00
79	T	2-Chlorotoluene	2.856	2.803	1.9	103	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.329	-1.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.454	-5.3	109	0.00
82	T	4-Chlorotoluene	3.160	3.215	-1.7	105	0.00
83	T	tert-Butylbenzene	3.305	3.314	-0.3	105	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.327	-3.2	104	0.00
85	T	sec-Butylbenzene	4.093	4.225	-3.2	107	0.00
86	T	p-Isopropyltoluene	3.291	3.461	-5.2	107	0.00
87	T	1,3-Dichlorobenzene	1.678	1.694	-1.0	106	0.00
88	T	1,4-Dichlorobenzene	1.697	1.681	0.9	105	0.00
89	T	n-Butylbenzene	2.912	3.211	-10.3	108	0.00
90	T	Hexachloroethane	0.616	0.628	-1.9	107	0.00
91	T	1,2-Dichlorobenzene	1.650	1.664	-0.8	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.261	-3.6	106	0.00
93	T	1,2,4-Trichlorobenzene	0.998	1.053	-5.5	109	0.00
94	T	Hexachlorobutadiene	0.396	0.402	-1.5	110	0.00
95	T	Naphthalene	3.608	3.827	-6.1	107	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.038	-3.2	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	106	0.00
2	T	Dichlorodifluoromethane	50.000	49.173	1.7	105	0.00
3	P	Chloromethane	50.000	47.590	4.8	102	0.00
4	C	Vinyl Chloride	50.000	47.033	5.9#	102	0.00
5	T	Bromomethane	50.000	46.719	6.6	99	0.00
6	T	Chloroethane	50.000	42.198	15.6	87	0.00
7	T	Trichlorofluoromethane	50.000	48.558	2.9	105	0.00
8	T	Diethyl Ether	50.000	47.544	4.9	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.588	-1.2	109	0.00
10	T	Methyl Iodide	50.000	50.082	-0.2	103	0.00
11	T	Tert butyl alcohol	250.000	251.791	-0.7	107	0.00
12	CM	1,1-Dichloroethene	50.000	47.935	4.1#	104	0.00
13	T	Acrolein	250.000	240.879	3.6	101	0.00
14	T	Allyl chloride	50.000	48.976	2.0	105	0.00
15	T	Acrylonitrile	250.000	251.537	-0.6	102	0.00
16	T	Acetone	250.000	257.198	-2.9	110	0.00
17	T	Carbon Disulfide	50.000	49.472	1.1	105	0.00
18	T	Methyl Acetate	50.000	49.920	0.2	104	0.00
19	T	Methyl tert-butyl Ether	50.000	49.453	1.1	105	0.00
20	T	Methylene Chloride	50.000	47.978	4.0	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.129	1.7	103	0.00
22	T	Diisopropyl ether	50.000	50.138	-0.3	105	0.00
23	T	Vinyl Acetate	250.000	257.465	-3.0	106	0.00
24	P	1,1-Dichloroethane	50.000	49.329	1.3	105	0.00
25	T	2-Butanone	250.000	258.175	-3.3	104	0.00
26	T	2,2-Dichloropropane	50.000	50.285	-0.6	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.493	1.0	106	0.00
28	T	Bromochloromethane	50.000	45.250	9.5	98	0.00
29	T	Tetrahydrofuran	250.000	253.318	-1.3	104	0.00
30	C	Chloroform	50.000	48.393	3.2#	105	0.00
31	T	Cyclohexane	50.000	49.211	1.6	106	0.00
32	T	1,1,1-Trichloroethane	50.000	48.825	2.3	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.061	3.9	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	49.173	1.7	105	0.00
36	T	1,1-Dichloropropene	50.000	48.702	2.6	103	0.00
37	T	Ethyl Acetate	50.000	49.300	1.4	102	0.00
38	T	Carbon Tetrachloride	50.000	49.083	1.8	104	0.00
39	T	Methylcyclohexane	50.000	53.254	-6.5	109	0.00
40	TM	Benzene	50.000	49.919	0.2	104	0.00
41	T	Methacrylonitrile	50.000	53.741	-7.5	104	0.00
42	TM	1,2-Dichloroethane	50.000	50.410	-0.8	105	0.00
43	T	Isopropyl Acetate	50.000	51.798	-3.6	104	0.00
44	TM	Trichloroethene	50.000	49.917	0.2	105	0.00
45	C	1,2-Dichloropropane	50.000	50.387	-0.8#	105	0.00
46	T	Dibromomethane	50.000	49.540	0.9	103	0.00
47	T	Bromodichloromethane	50.000	50.980	-2.0	105	0.00
48	T	Methyl methacrylate	50.000	52.848	-5.7	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1021.138	-2.1	101	0.00
50	S	Toluene-d8	50.000	49.649	0.7	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	265.112	-6.0	103	0.00
52	CM	Toluene	50.000	50.680	-1.4#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	53.731	-7.5	109	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.986	-6.0	106	0.00
55	T	1,1,2-Trichloroethane	50.000	50.811	-1.6	105	0.00
56	T	Ethyl methacrylate	50.000	54.068	-8.1	106	0.00
57	T	1,3-Dichloropropane	50.000	50.852	-1.7	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.352	-13.7	110	0.00
59	T	2-Hexanone	250.000	269.951	-8.0	103	0.00
60	T	Dibromochloromethane	50.000	51.673	-3.3	104	0.00
61	T	1,2-Dibromoethane	50.000	51.436	-2.9	105	0.00
62	S	4-Bromofluorobenzene	50.000	51.786	-3.6	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	49.424	1.2	105	0.00
65	PM	Chlorobenzene	50.000	50.952	-1.9	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.205	-2.4	104	0.00
67	C	Ethyl Benzene	50.000	51.415	-2.8#	105	0.00
68	T	m/p-Xylenes	100.000	104.282	-4.3	105	0.00
69	T	o-Xylene	50.000	50.804	-1.6	105	0.00
70	T	Styrene	50.000	53.521	-7.0	105	0.00
71	P	Bromoform	50.000	53.997	-8.0	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	49.921	0.2	104	0.00
74	T	N-amyl acetate	50.000	52.621	-5.2	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.331	3.3	103	0.00
76	T	1,2,3-Trichloropropane	50.000	49.659	0.7	104	0.00
77	T	Bromobenzene	50.000	49.725	0.5	104	0.00
78	T	n-propylbenzene	50.000	51.386	-2.8	106	0.00
79	T	2-Chlorotoluene	50.000	49.065	1.9	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.956	-1.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.665	-5.3	109	0.00
82	T	4-Chlorotoluene	50.000	50.872	-1.7	105	0.00
83	T	tert-Butylbenzene	50.000	50.139	-0.3	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.593	-3.2	104	0.00
85	T	sec-Butylbenzene	50.000	51.617	-3.2	107	0.00
86	T	p-Isopropyltoluene	50.000	52.581	-5.2	107	0.00
87	T	1,3-Dichlorobenzene	50.000	50.475	-1.0	106	0.00
88	T	1,4-Dichlorobenzene	50.000	49.526	0.9	105	0.00
89	T	n-Butylbenzene	50.000	55.142	-10.3	108	0.00
90	T	Hexachloroethane	50.000	50.990	-2.0	107	0.00
91	T	1,2-Dichlorobenzene	50.000	50.447	-0.9	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.684	-3.4	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.726	-5.5	109	0.00
94	T	Hexachlorobutadiene	50.000	50.683	-1.4	110	0.00
95	T	Naphthalene	50.000	53.033	-6.1	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.575	-3.2	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044893.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1283 SAS No.: Q1283 SDG No.: Q1283

Instrument ID: MSVOA_X Calibration Date/Time: 02/11/2025 10:09

Lab File ID: VX044893.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.854	0.769	0.1	-9.95	20
Vinyl Chloride	0.827	0.753		-8.95	20
Bromomethane	0.247	0.240		-2.83	20
Chloroethane	0.307	0.329		7.17	20
Trichlorofluoromethane	1.046	0.998		-4.59	20
1,1,2-Trichlorotrifluoroethane	0.632	0.607		-3.96	20
1,1-Dichloroethene	0.644	0.595		-7.61	20
Acetone	0.294	0.277		-5.78	20
Carbon Disulfide	1.767	1.631		-7.7	20
Methyl tert-butyl Ether	2.050	2.002		-2.34	20
Methylene Chloride	0.721	0.677		-6.1	20
trans-1,2-Dichloroethene	0.634	0.597		-5.84	20
1,1-Dichloroethane	1.233	1.179	0.1	-4.38	20
2-Butanone	0.478	0.467		-2.3	20
Carbon Tetrachloride	0.460	0.449		-2.39	20
cis-1,2-Dichloroethene	0.762	0.732		-3.94	20
Chloroform	1.196	1.146		-4.18	20
1,1,1-Trichloroethane	1.014	0.966		-4.73	20
Methylcyclohexane	0.606	0.637		5.12	20
Benzene	1.465	1.449		-1.09	20
1,2-Dichloroethane	0.467	0.482		3.21	20
Trichloroethene	0.335	0.334		-0.3	20
1,2-Dichloropropane	0.364	0.371		1.92	20
Bromodichloromethane	0.489	0.514		5.11	20
4-Methyl-2-Pentanone	0.512	0.530		3.52	20
Toluene	0.872	0.893		2.41	20
t-1,3-Dichloropropene	0.495	0.525		6.06	20
cis-1,3-Dichloropropene	0.552	0.586		6.16	20
1,1,2-Trichloroethane	0.335	0.344		2.69	20
2-Hexanone	0.369	0.384		4.07	20
Dibromochloromethane	0.359	0.377		5.01	20
Tetrachloroethene	0.315	0.300		-4.76	20
Chlorobenzene	1.074	1.049	0.3	-2.33	20
Ethyl Benzene	1.895	1.879		-0.84	20
m/p-Xylenes	0.699	0.699		0	20
o-Xylene	0.701	0.691		-1.43	20
Styrene	1.130	1.147		1.5	20
Bromoform	0.258	0.264	0.1	2.33	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX044893.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1283 SAS No.: Q1283 SDG No.: Q1283

Instrument ID: MSVOA_X Calibration Date/Time: 02/11/2025 10:09

Lab File ID: VX044893.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.026	3.967		-1.47	20
1,1,2,2-Tetrachloroethane	1.383	1.311	0.3	-5.21	20
1,3-Dichlorobenzene	1.678	1.655		-1.37	20
1,4-Dichlorobenzene	1.697	1.639		-3.42	20
1,2-Dichlorobenzene	1.650	1.615		-2.12	20
1,2-Dichloroethane-d4	0.732	0.712		-2.73	20
Dibromofluoromethane	0.325	0.323		-0.62	20
Toluene-d8	1.229	1.230		0.08	20
4-Bromofluorobenzene	0.414	0.426		2.9	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Quantitation Report (QT Reviewed)

Sample Results: **VX044893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 11 10:41:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.544	168	125474	50.00 ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	221806	50.00 ug/l	0.00
63) Chlorobenzene-d5	10.049	117	200705	50.00 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89456	50.00 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.946	65	89338	48.64 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.28%		
35) Dibromofluoromethane	5.373	113	71680	49.71 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.42%		
50) Toluene-d8	8.641	98	272926	50.05 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.10%		
62) 4-Bromofluorobenzene	11.079	95	94539	51.42 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.84%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	83442	48.64 ug/l	100
3) Chloromethane	1.300	50	96511	45.06 ug/l	95
4) Vinyl Chloride	1.374	62	94484	45.53 ug/l	97
5) Bromomethane	1.593	94	30080	48.44 ug/l	98
6) Chloroethane	1.666	64	41236	62.81 ug/l	97
7) Trichlorofluoromethane	1.874	101	125214	47.72 ug/l	99
8) Diethyl Ether	2.130	74	48238	50.69 ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	76116	48.01 ug/l	99
10) Methyl Iodide	2.447	142	99655	48.50 ug/l	100
11) Tert butyl alcohol	2.989	59	81125	238.08 ug/l #	84
12) 1,1-Dichloroethene	2.312	96	74712	46.20 ug/l	97
13) Acrolein	2.233	56	87432	248.70 ug/l	98
14) Allyl chloride	2.654	41	138850	47.51 ug/l	97
15) Acrylonitrile	3.056	53	218594	240.27 ug/l	99
16) Acetone	2.380	43	173556	235.05 ug/l	98
17) Carbon Disulfide	2.501	76	204689	46.15 ug/l	99
18) Methyl Acetate	2.697	43	111028	47.65 ug/l	97
19) Methyl tert-butyl Ether	3.111	73	251205	48.82 ug/l	98
20) Methylene Chloride	2.782	84	84927	46.96 ug/l	92
21) trans-1,2-Dichloroethene	3.081	96	74888	47.05 ug/l	96
22) Diisopropyl ether	3.751	45	275541	49.83 ug/l	95
23) Vinyl Acetate	3.715	43	1147936	254.64 ug/l	98
24) 1,1-Dichloroethane	3.599	63	147936	47.81 ug/l	99
25) 2-Butanone	4.550	43	292704	244.13 ug/l	95
26) 2,2-Dichloropropane	4.465	77	118943	48.48 ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	91876	48.05 ug/l	99
28) Bromochloromethane	4.885	49	63054	42.41 ug/l	92
29) Tetrahydrofuran	4.995	42	192811	242.18 ug/l	93
30) Chloroform	5.086	83	143782	47.92 ug/l	99
31) Cyclohexane	5.458	56	135237	47.41 ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	121149	47.60 ug/l	98
36) 1,1-Dichloropropene	5.684	75	99764	47.95 ug/l	98
37) Ethyl Acetate	4.708	43	113342	48.73 ug/l #	96
38) Carbon Tetrachloride	5.666	117	99680	48.89 ug/l	99
39) Methylcyclohexane	7.373	83	141217	52.50 ug/l	98
40) Benzene	6.025	78	321371	49.47 ug/l	100

Sample Results: **VX044893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 11 10:41:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	64313	51.92 ug/l	97
42) 1,2-Dichloroethane	6.074	62	106806	51.58 ug/l	100
43) Isopropyl Acetate	6.330	43	192468	51.50 ug/l	97
44) Trichloroethene	7.116	130	74009	49.84 ug/l	100
45) 1,2-Dichloropropane	7.421	63	82208	50.86 ug/l	100
46) Dibromomethane	7.574	93	56698	50.58 ug/l	99
47) Bromodichloromethane	7.811	83	114110	52.58 ug/l	98
48) Methyl methacrylate	7.683	41	91692	52.04 ug/l	99
49) 1,4-Dioxane	7.659	88	38686	1023.30 ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	588239	258.92 ug/l	97
52) Toluene	8.714	92	198031	51.18 ug/l	99
53) t-1,3-Dichloropropene	8.970	75	116558	53.07 ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	129895	53.04 ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	76273	51.28 ug/l	97
56) Ethyl methacrylate	9.110	69	126768	52.77 ug/l	97
57) 1,3-Dichloropropane	9.305	76	133222	51.19 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	361927	306.84 ug/l	95
59) 2-Hexanone	9.427	43	425326	259.83 ug/l	98
60) Dibromochloromethane	9.518	129	83627	52.57 ug/l	99
61) 1,2-Dibromoethane	9.604	107	77591	51.47 ug/l	99
64) Tetrachloroethene	9.269	164	60113	47.49 ug/l	99
65) Chlorobenzene	10.073	112	210623	48.86 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	68219	49.17 ug/l	99
67) Ethyl Benzene	10.189	91	377075	49.57 ug/l	98
68) m/p-Xylenes	10.299	106	280582	99.99 ug/l	98
69) o-Xylene	10.640	106	138735	49.27 ug/l	100
70) Styrene	10.652	104	230163	50.74 ug/l	98
71) Bromoform	10.799	173	53037	51.22 ug/l #	99
73) Isopropylbenzene	10.957	105	354838	49.26 ug/l	99
74) N-amyl acetate	10.841	43	166229	51.00 ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	117303	47.39 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	96054m	43.62 ug/l	
77) Bromobenzene	11.195	156	79799	48.87 ug/l	97
78) n-propylbenzene	11.299	91	420391	50.57 ug/l	99
79) 2-Chlorotoluene	11.360	91	243433	47.64 ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	288797	49.41 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	37854	49.10 ug/l	96
82) 4-Chlorotoluene	11.451	91	277142	49.03 ug/l	98
83) tert-Butylbenzene	11.713	119	294574	49.82 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	291318	50.50 ug/l	100
85) sec-Butylbenzene	11.884	105	368710	50.35 ug/l	99
86) p-Isopropyltoluene	12.006	119	301888	51.27 ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	148060	49.30 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	146583	48.49 ug/l	98
89) n-Butylbenzene	12.329	91	278914	53.54 ug/l	99
90) Hexachloroethane	12.536	117	55271	50.13 ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	144478	48.95 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22187	49.11 ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	90876	50.88 ug/l	99
94) Hexachlorobutadiene	13.719	225	35673	50.32 ug/l	99
95) Naphthalene	13.774	128	325482	50.42 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	89533	49.75 ug/l	98

Sample Results: **VX044893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 11 10:41:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

Sample Results: **VX044893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 11 10:41:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/12/2025
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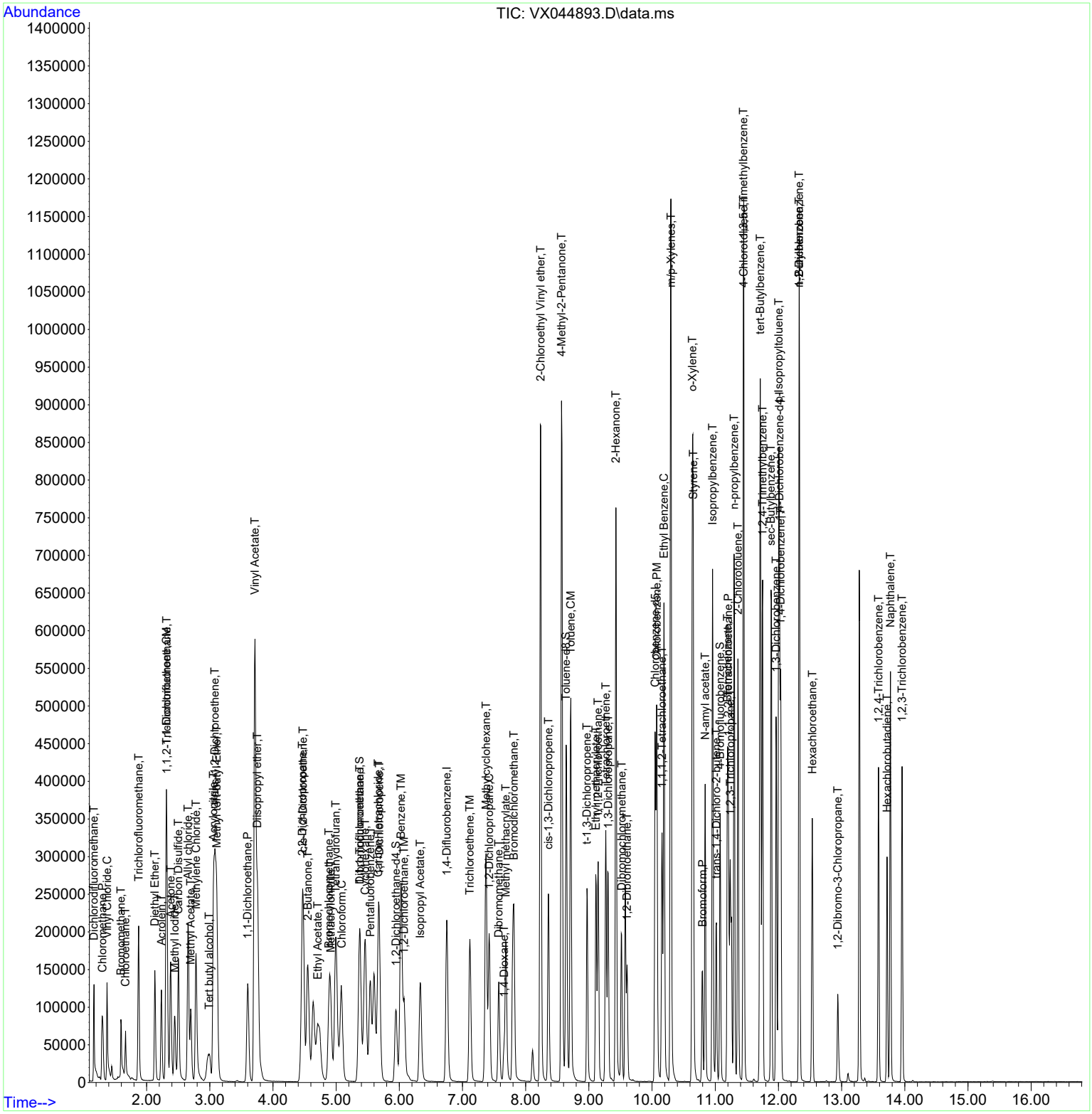
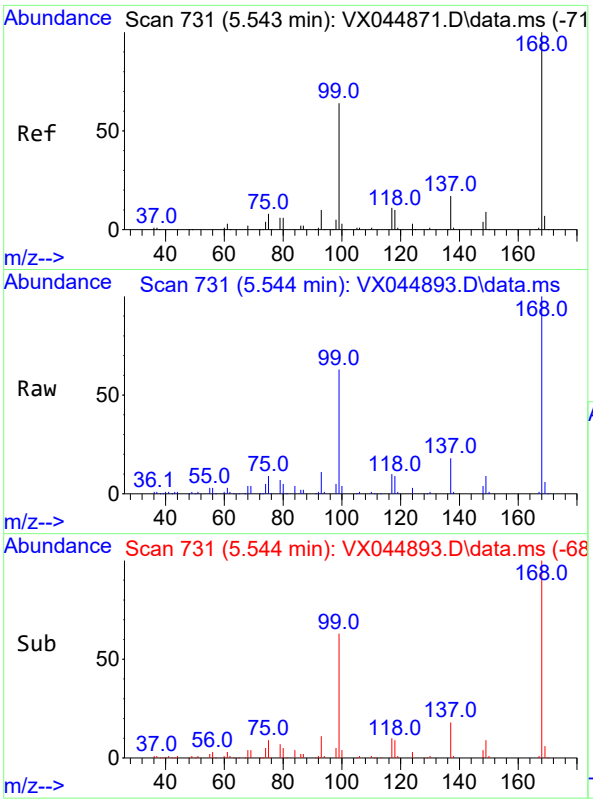




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

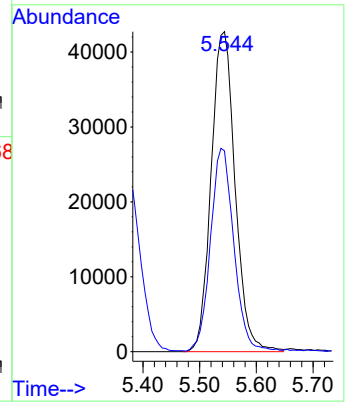
Tgt Ion:168 Resp: 12547

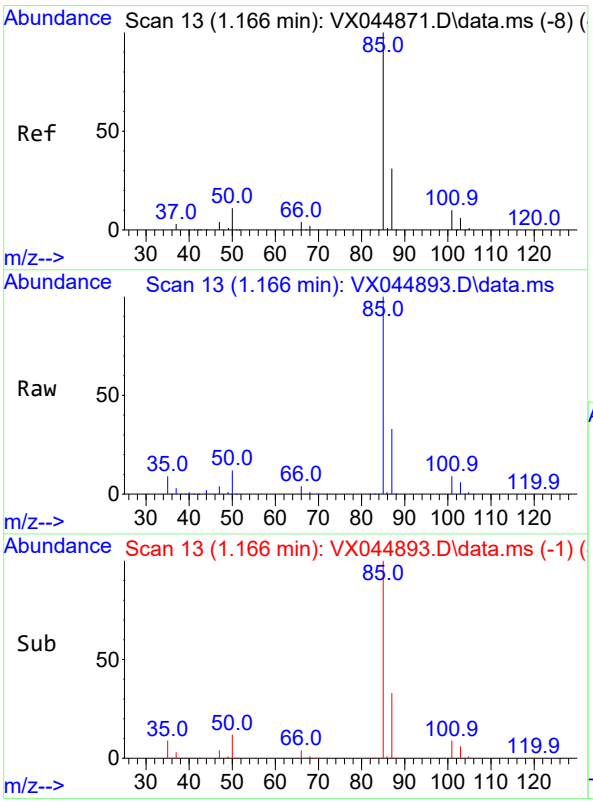
Ion	Ratio	Lower	Upper
168	100		
99	62.4	51.1	76.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

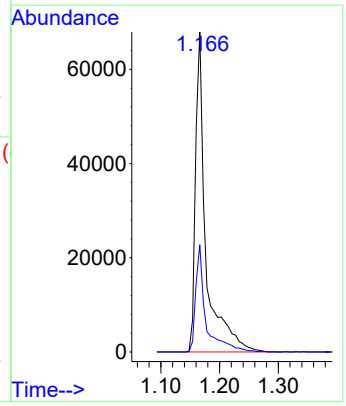


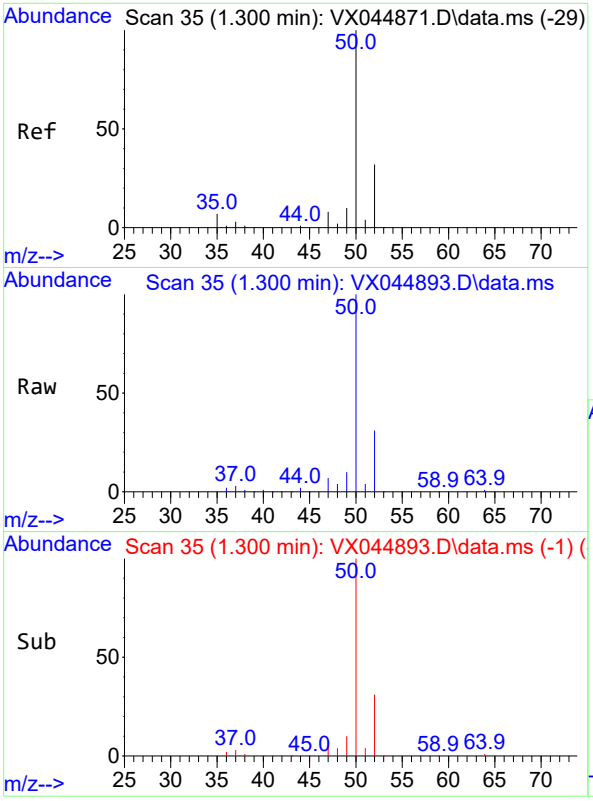


#2
Dichlorodifluoromethane
Concen: 48.64 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 85 Resp: 83442

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.4





#3
Chloromethane
Concen: 45.06 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

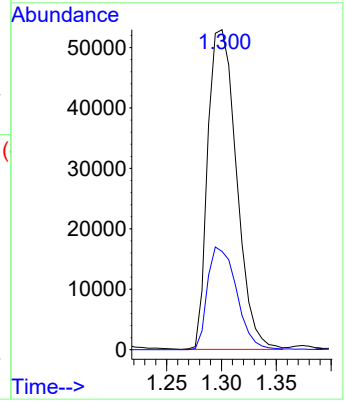
Tgt Ion: 50 Resp: 9651

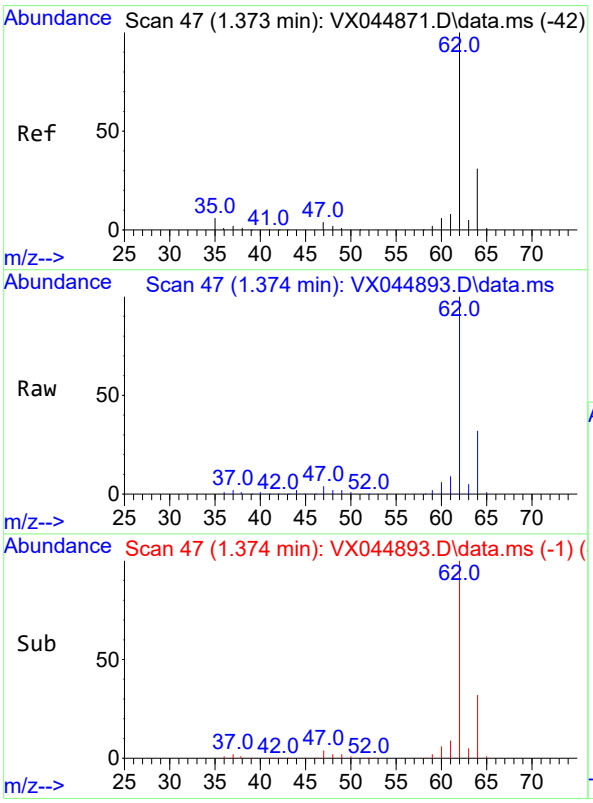
Ion	Ratio	Lower	Upper
50	100		
52	30.7	27.0	40.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

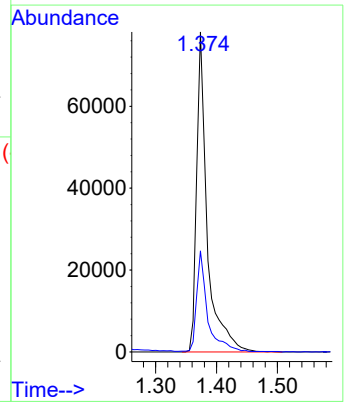


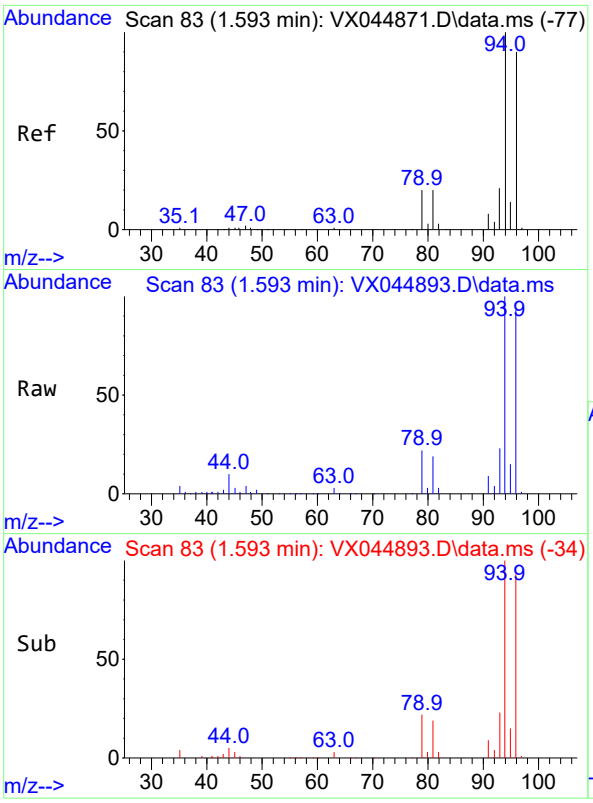


#4
Vinyl Chloride
Concen: 45.53 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 62 Resp: 94484

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.6	39.8





#5
Bromomethane
Concen: 48.44 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

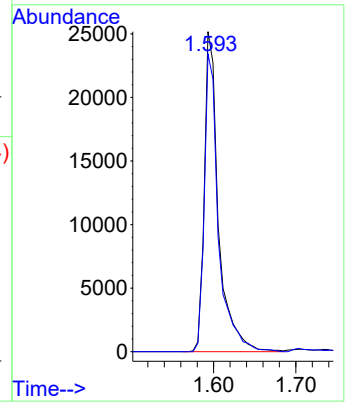
Tgt Ion: 94 Resp: 3008

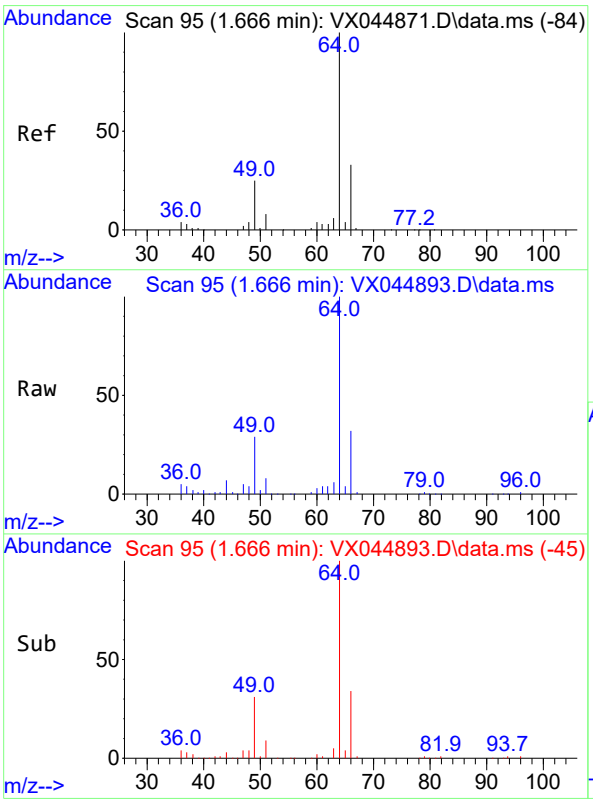
Ion	Ratio	Lower	Upper
94	100		
96	93.0	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

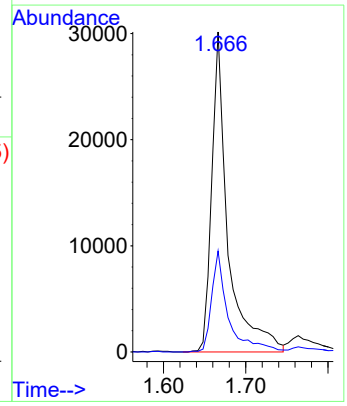


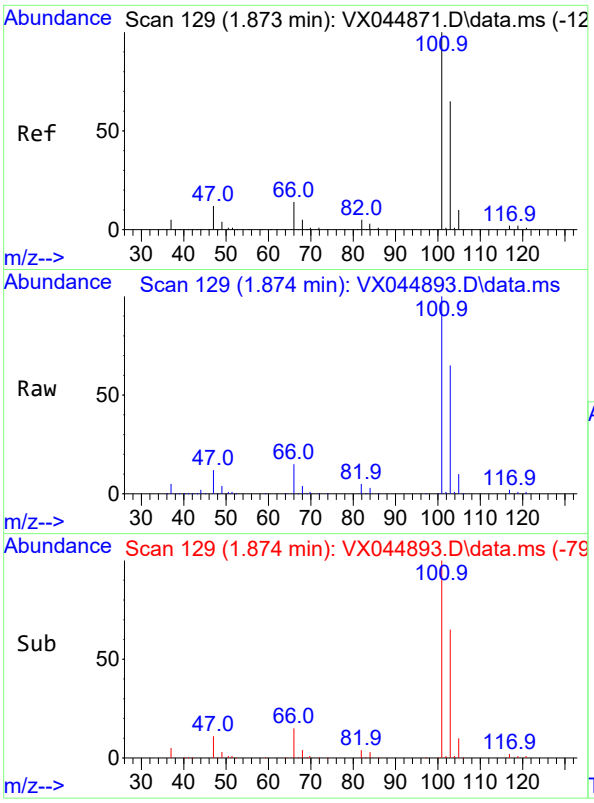


#6
Chloroethane
Concen: 62.81 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 64 Resp: 41236

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.6	39.8





#7
Trichlorofluoromethane
Concen: 47.72 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

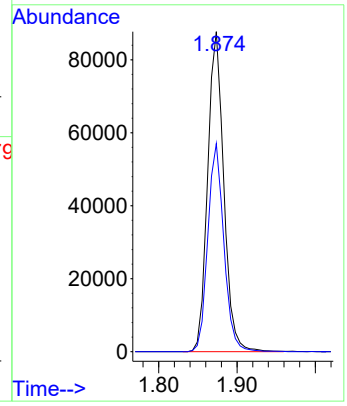
Tgt Ion:101 Resp: 12521

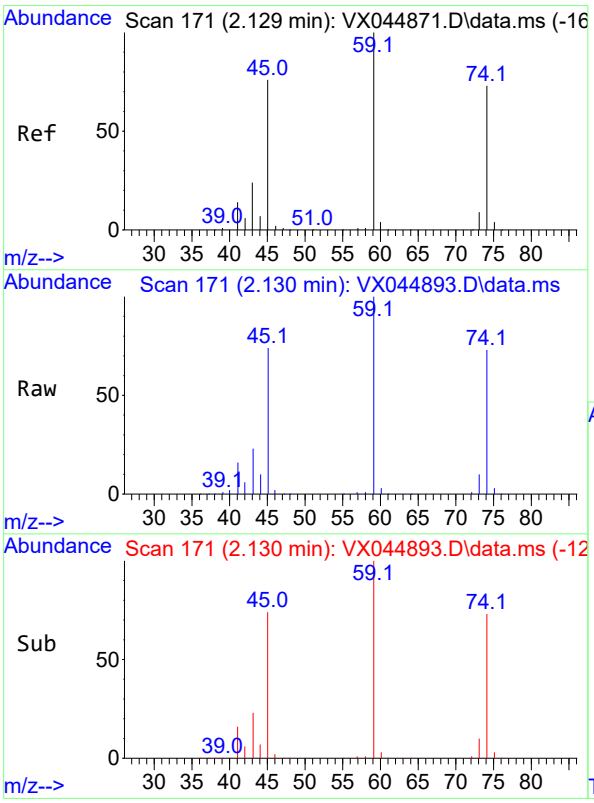
Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.5	78.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

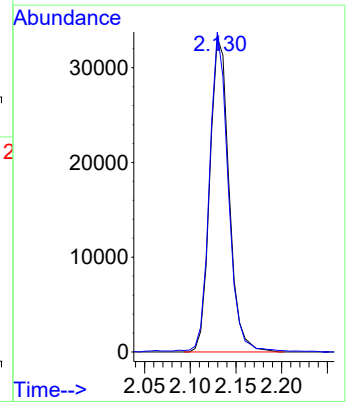


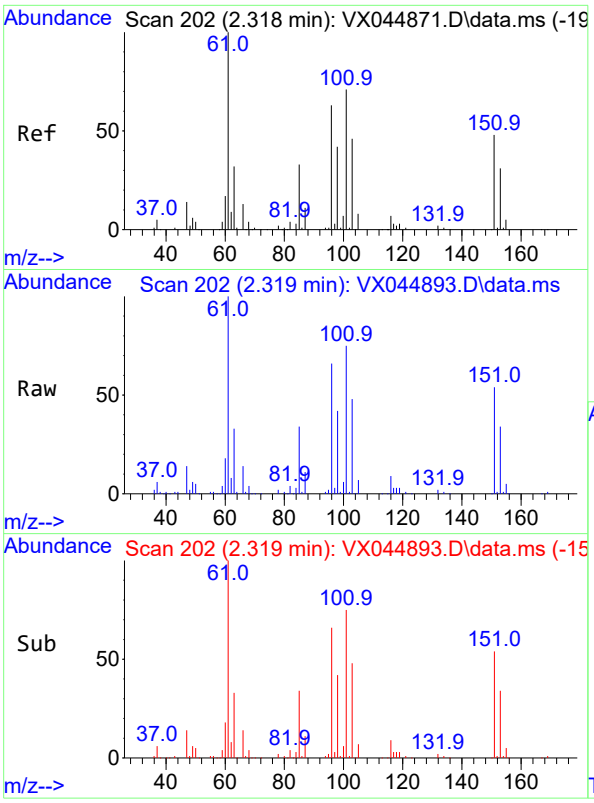


#8
Diethyl Ether
Concen: 50.69 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 74 Resp: 48238

Ion	Ratio	Lower	Upper
74	100		
45	100.0	47.1	141.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.01 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

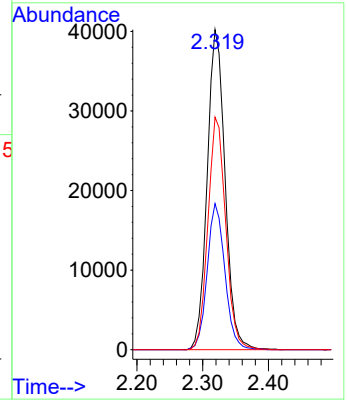
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

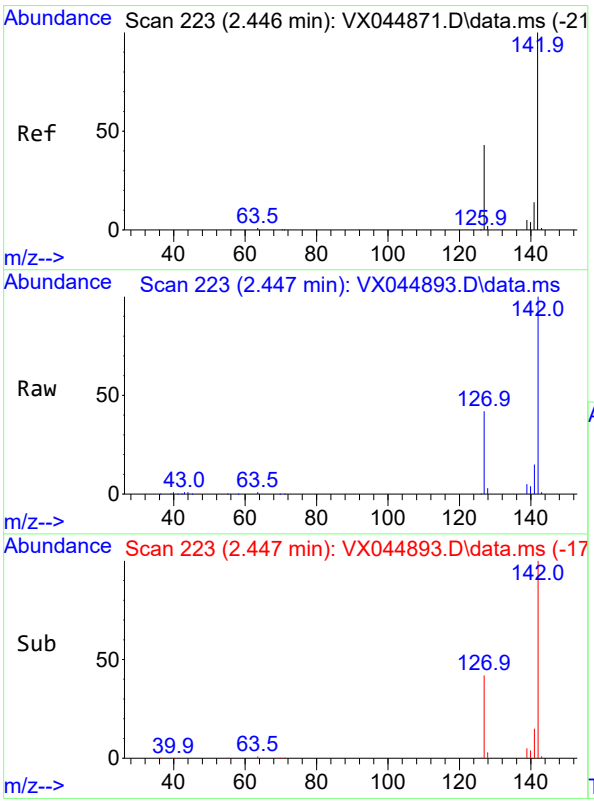
Tgt Ion:101 Resp: 7611(

Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.3	52.9
151	72.4	58.2	87.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

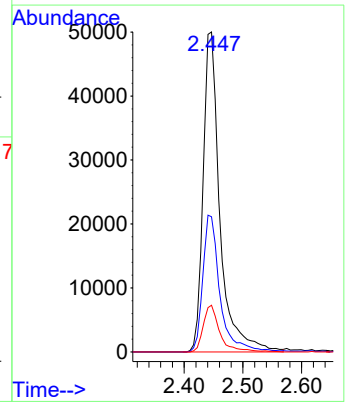


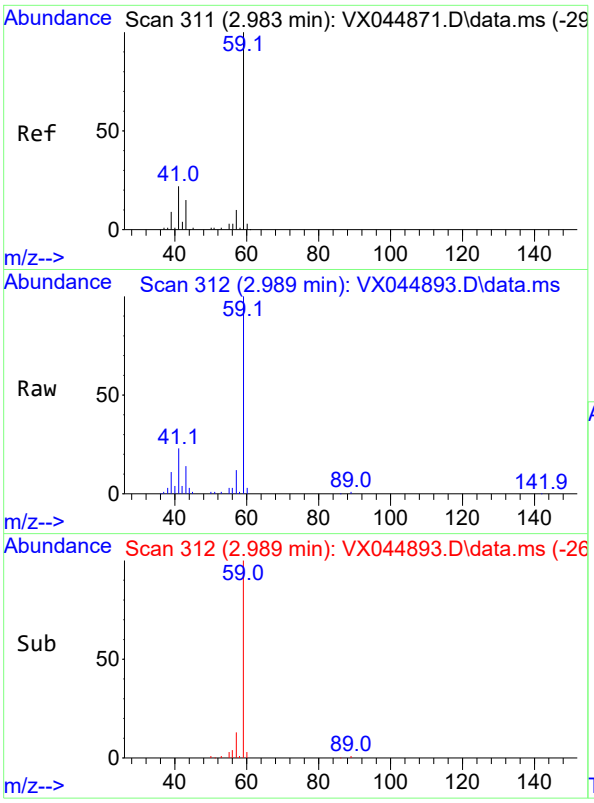


#10
Methyl Iodide
Concen: 48.50 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:142 Resp: 99655

Ion	Ratio	Lower	Upper
142	100		
127	43.9	35.0	52.4
141	14.5	11.7	17.5





#11
Tert butyl alcohol
Concen: 238.08 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

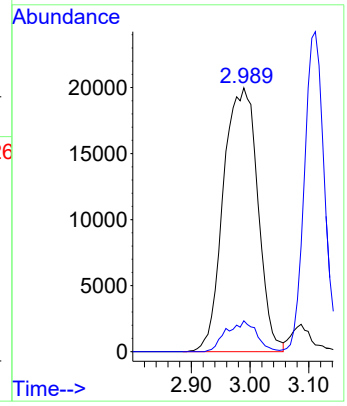
Tgt Ion: 59 Resp: 8112

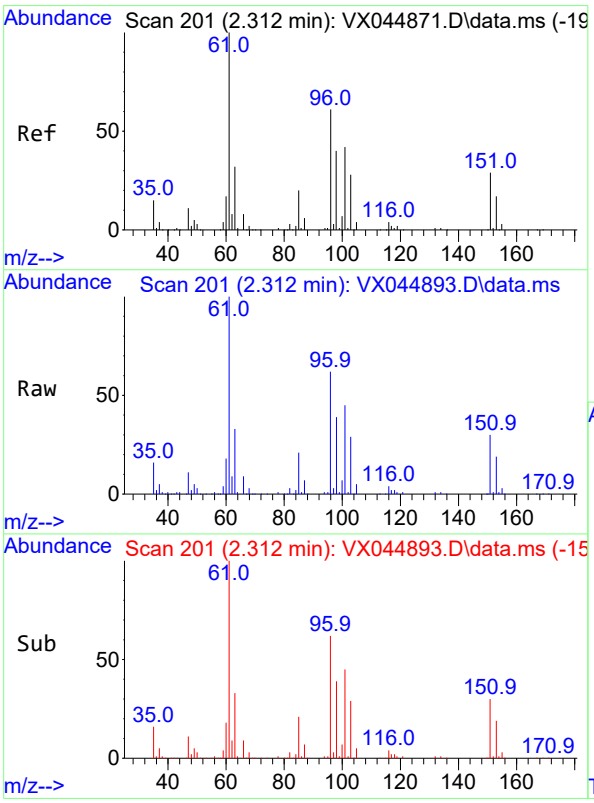
Ion	Ratio	Lower	Upper
59	100		
57	10.3	3.9	5.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

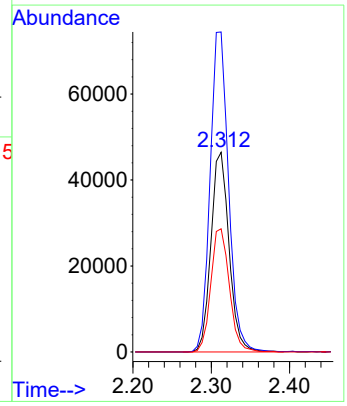


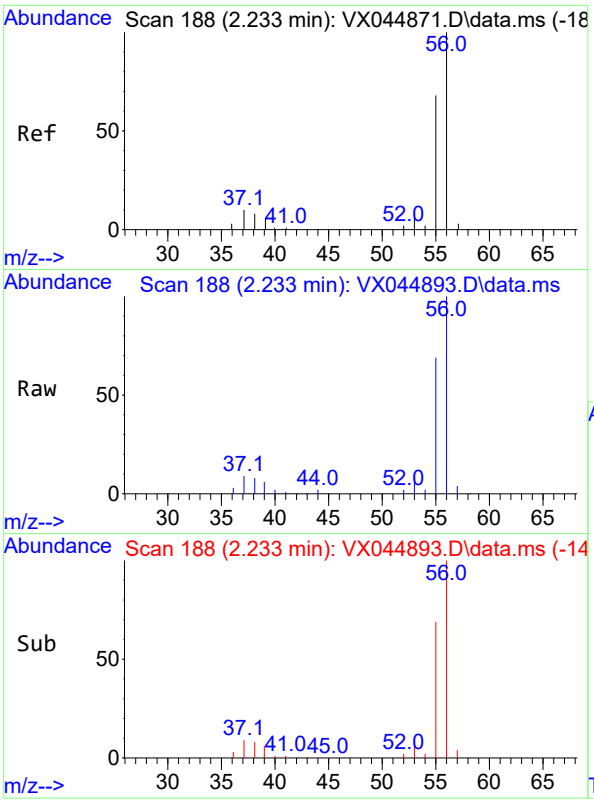


#12
1,1-Dichloroethene
Concen: 46.20 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 96 Resp: 74712

Ion	Ratio	Lower	Upper
96	100		
61	160.2	131.1	196.7
98	61.7	51.2	76.8





#13
Acrolein
Concen: 248.70 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

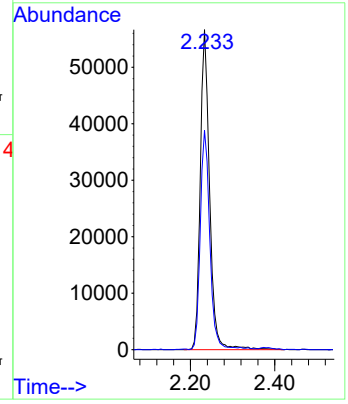
Tgt Ion: 56 Resp: 8743

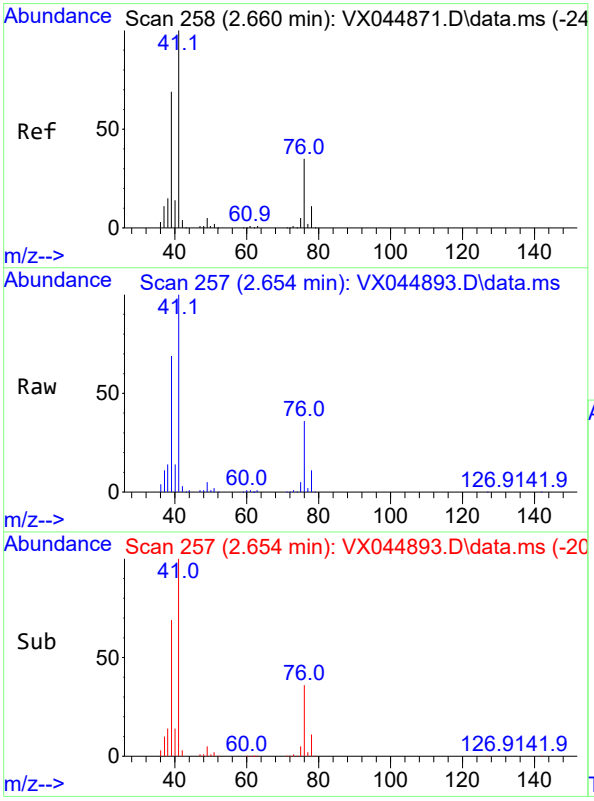
Ion	Ratio	Lower	Upper
56	100		
55	70.5	55.1	82.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

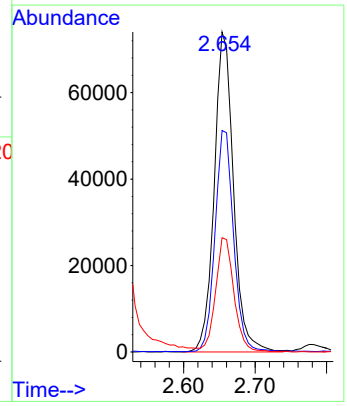


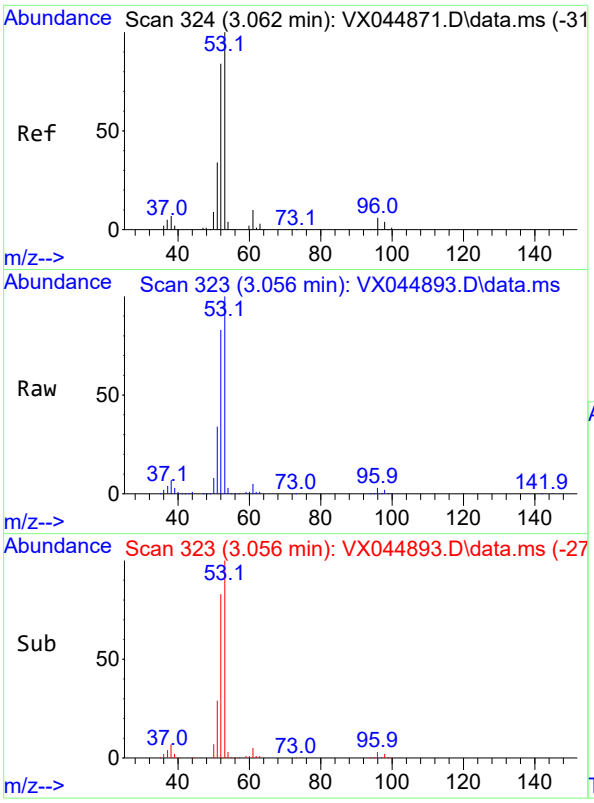


#14
Allyl chloride
Concen: 47.51 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 41 Resp: 138850

Ion	Ratio	Lower	Upper
41	100		
39	66.6	54.9	82.3
76	34.0	28.4	42.6





#15
Acrylonitrile
Concen: 240.27 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

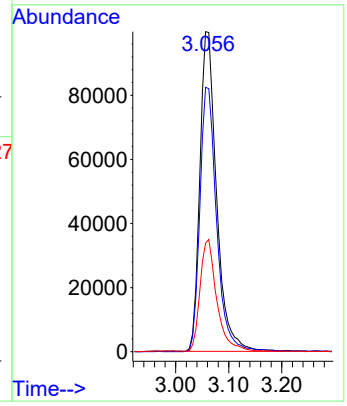
Tgt Ion: 53 Resp: 21859

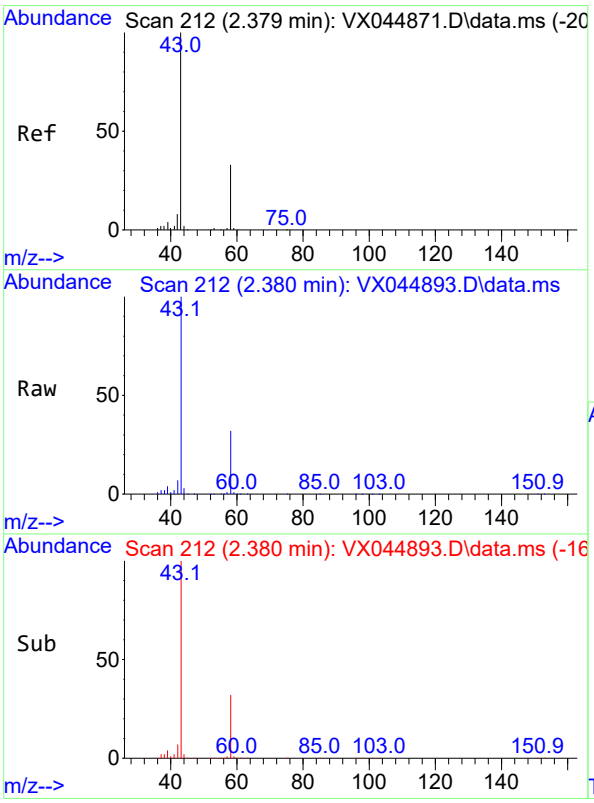
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.0	99.0
51	34.9	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

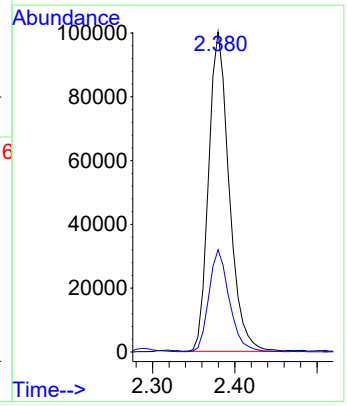


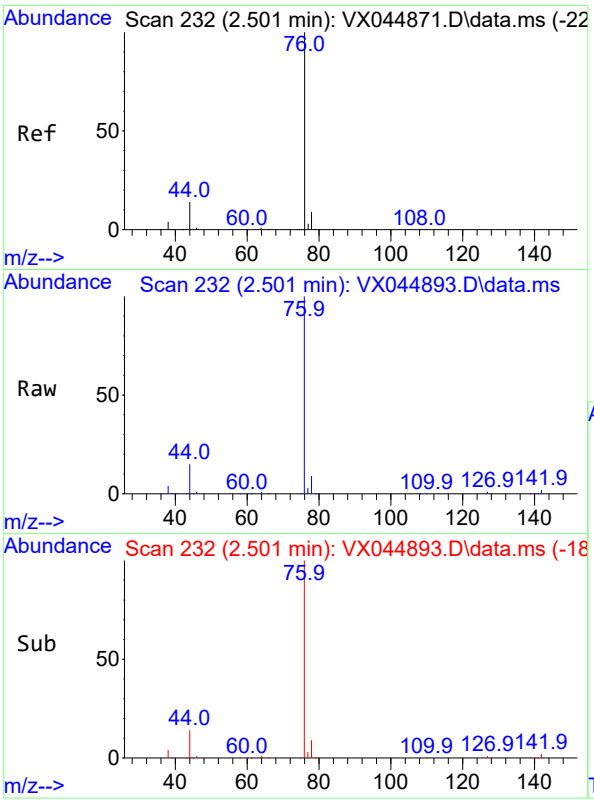


#16
Acetone
Concen: 235.05 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 173556

Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.6	37.0





#17
Carbon Disulfide
Concen: 46.15 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

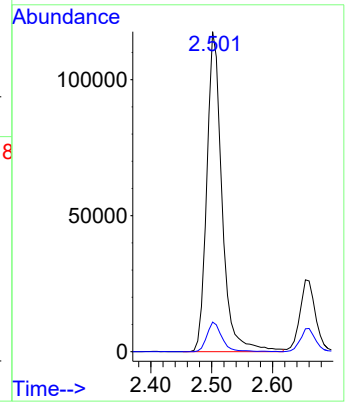
Tgt Ion: 76 Resp: 20468

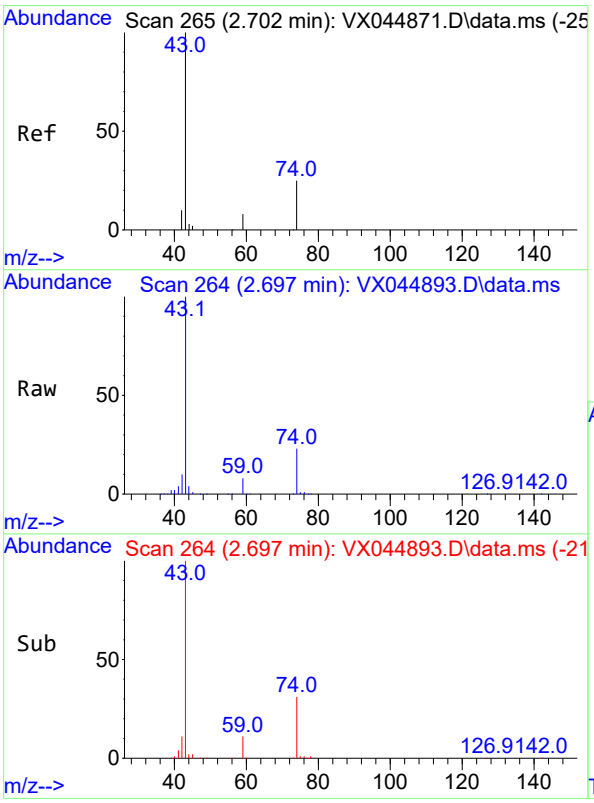
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

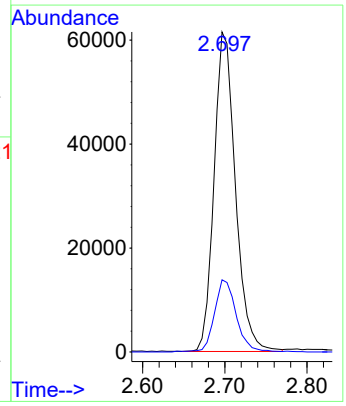


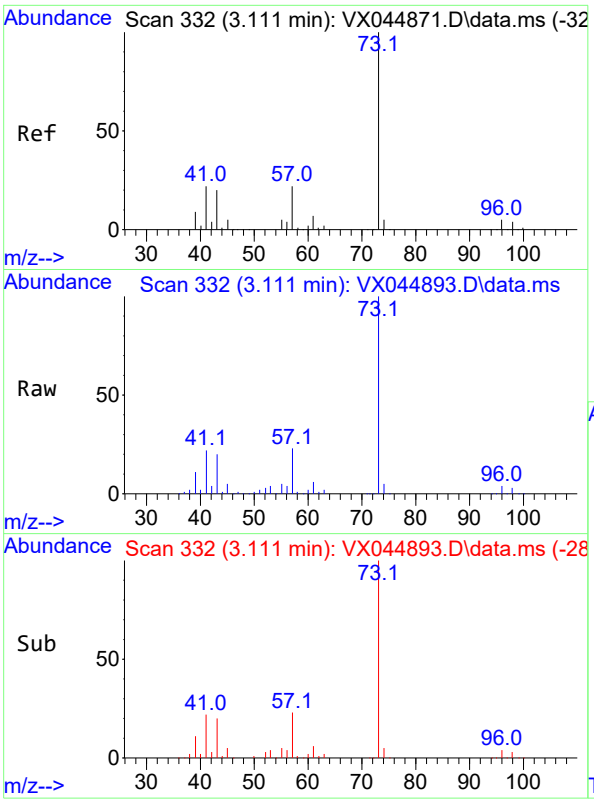


#18
Methyl Acetate
Concen: 47.65 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 111028

Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.8	29.8





#19
Methyl tert-butyl Ether
Concen: 48.82 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

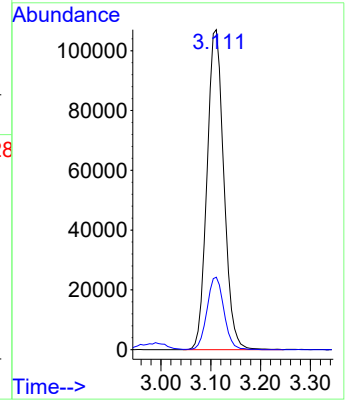
Tgt Ion: 73 Resp: 25120

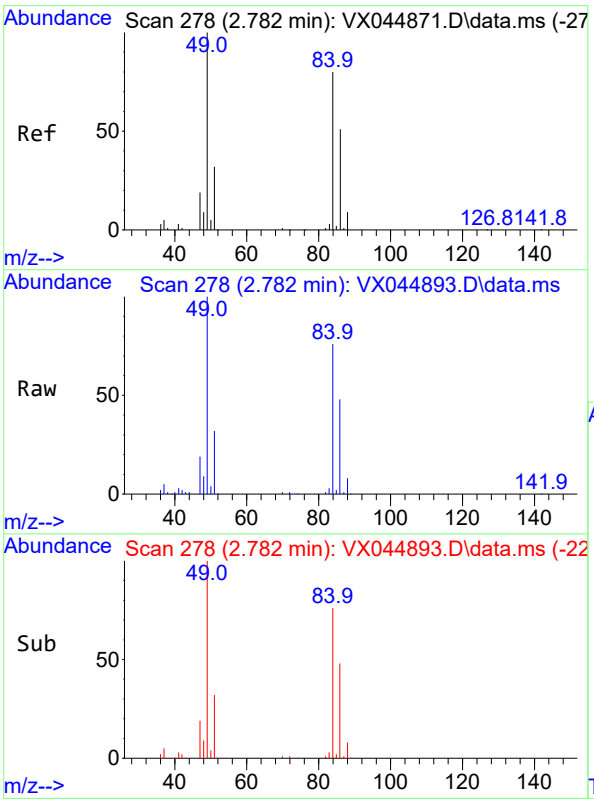
Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.4	26.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

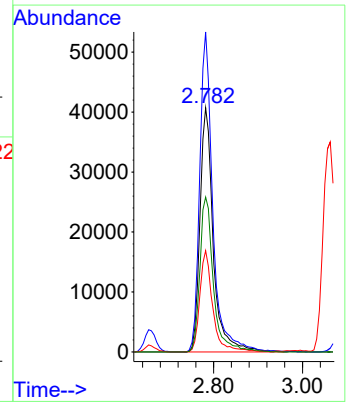


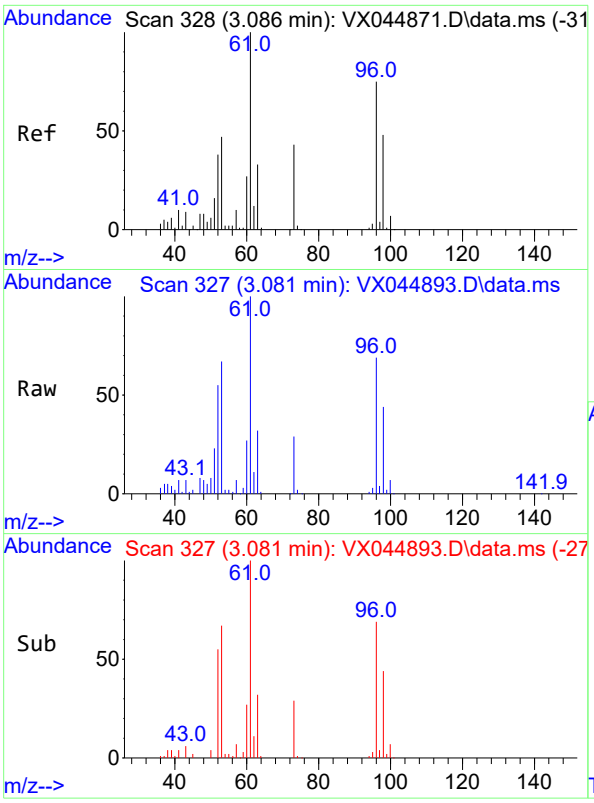


#20
Methylene Chloride
Concen: 46.96 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 84 Resp: 84927

Ion	Ratio	Lower	Upper
84	100		
49	131.1	94.2	141.4
51	41.5	28.8	43.2
86	63.4	50.3	75.5





#21
trans-1,2-Dichloroethene
Concen: 47.05 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

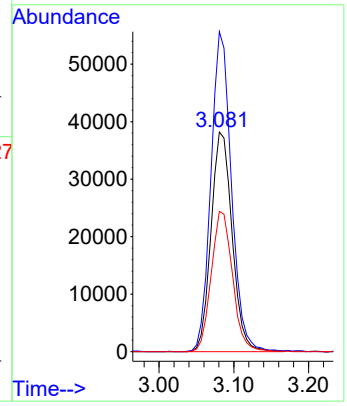
Tgt Ion: 96 Resp: 7488

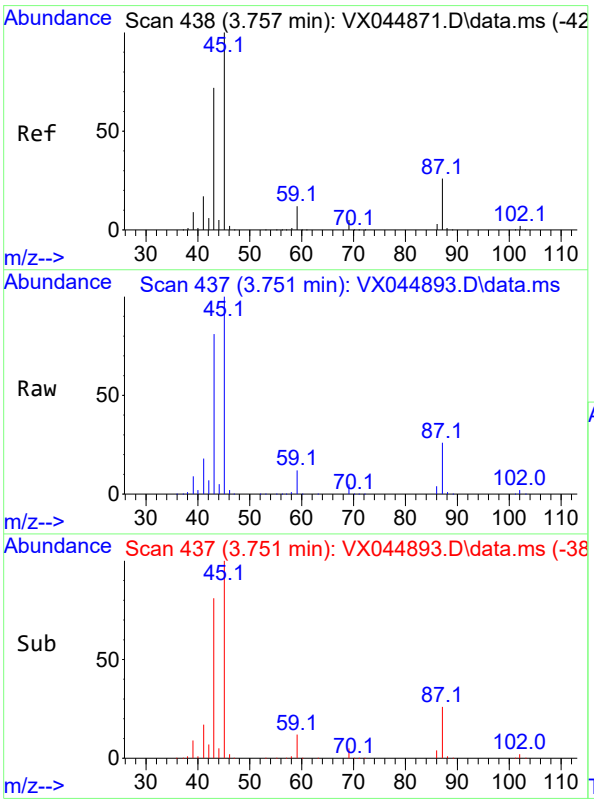
Ion	Ratio	Lower	Upper
96	100		
61	145.6	111.0	166.6
98	63.8	50.2	75.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

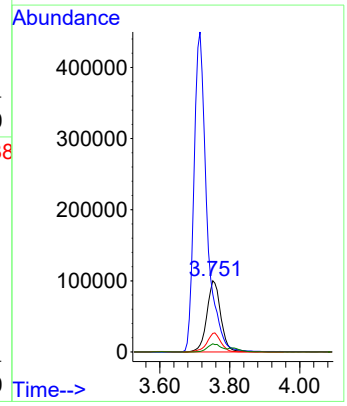


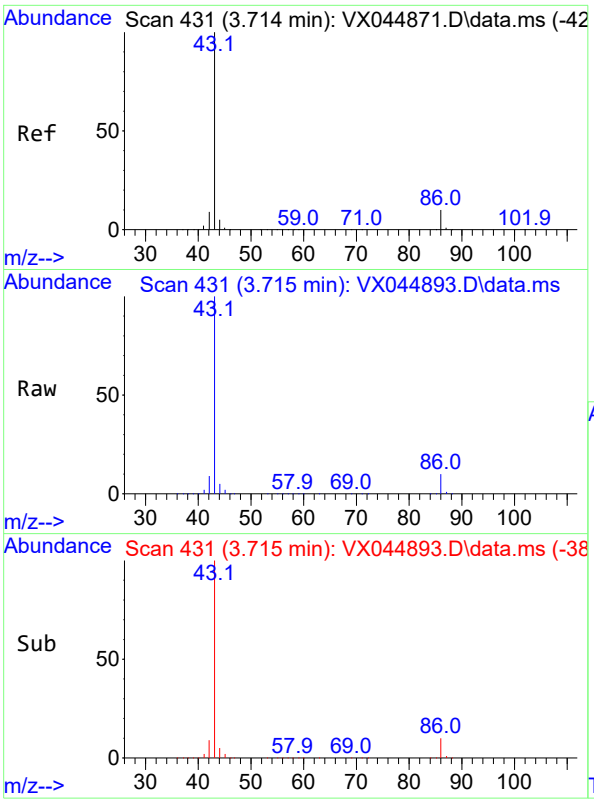


#22
Diisopropyl ether
Concen: 49.83 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 45 Resp: 275541

Ion	Ratio	Lower	Upper
45	100		
43	80.9	61.0	91.6
87	26.0	22.7	34.1
59	11.5	9.4	14.2





#23
Vinyl Acetate
Concen: 254.64 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 114793

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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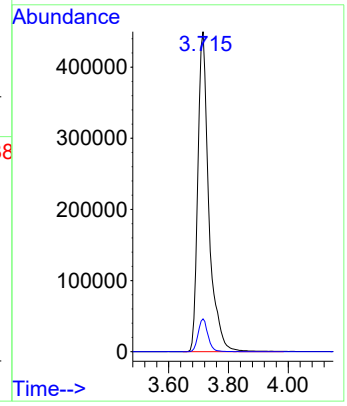
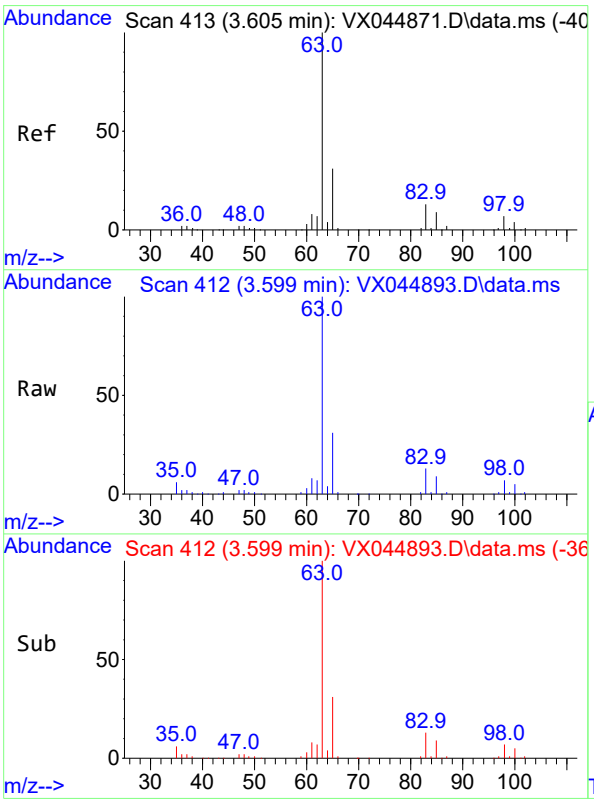
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

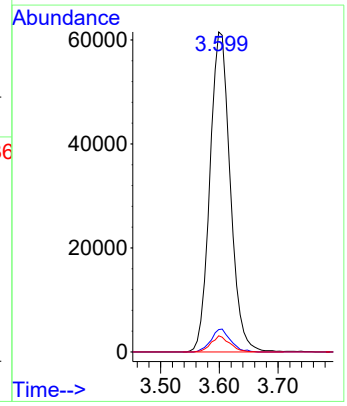


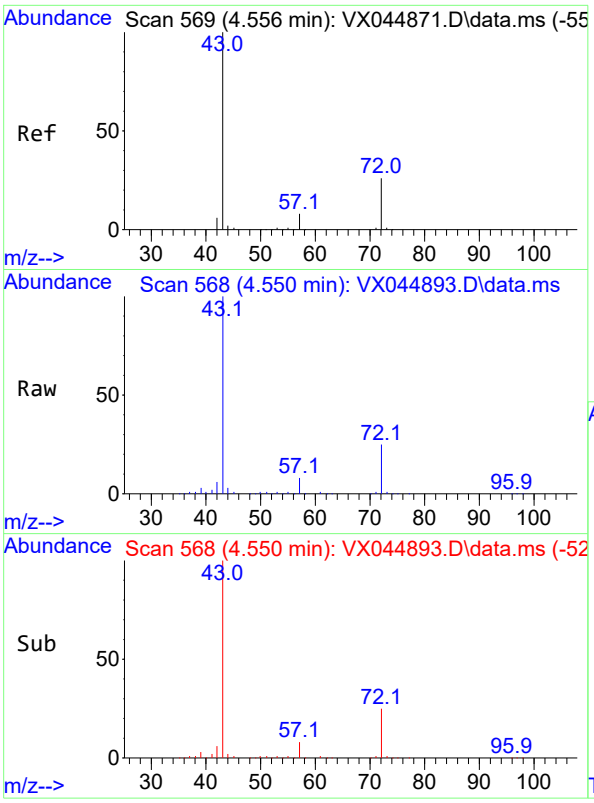


#24
1,1-Dichloroethane
Concen: 47.81 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 63 Resp: 147936

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.9
100	5.0	2.5	7.5





#25
2-Butanone
Concen: 244.13 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 29270

Ion	Ratio	Lower	Upper
43	100		
72	24.6	21.7	32.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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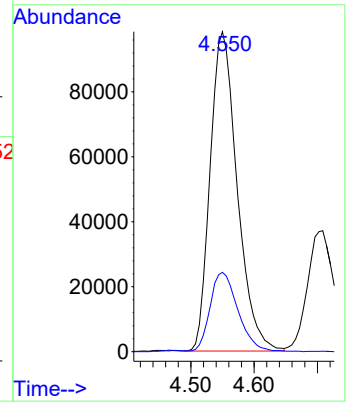
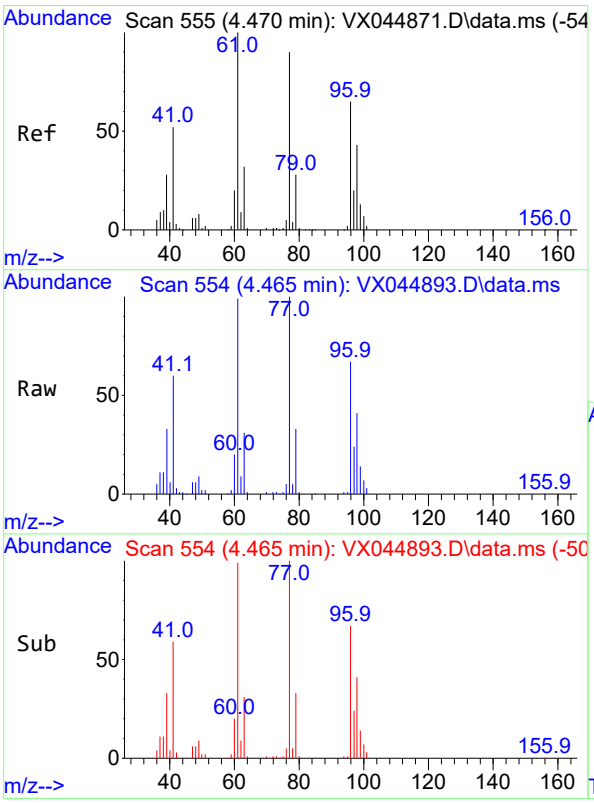
Supervised By :Mahesh Dadoda 02/12/2025

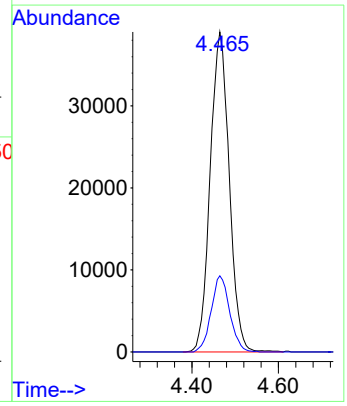


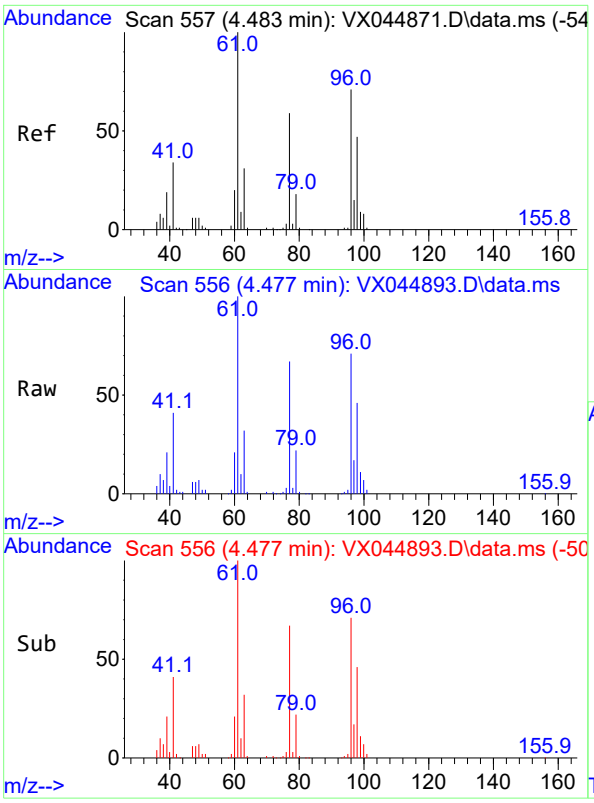


#26
2,2-Dichloropropane
Concen: 48.48 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 77 Resp: 118943

Ion	Ratio	Lower	Upper
77	100		
97	23.2	10.9	32.6





#27
cis-1,2-Dichloroethene
Concen: 48.05 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 96 Resp: 9187

Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	296.0
98	63.6	0.0	130.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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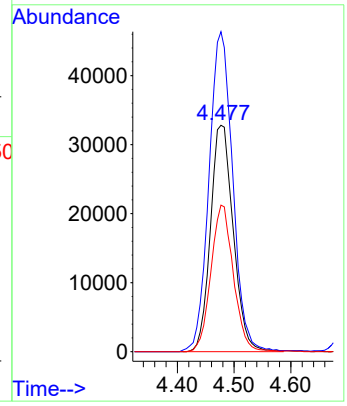
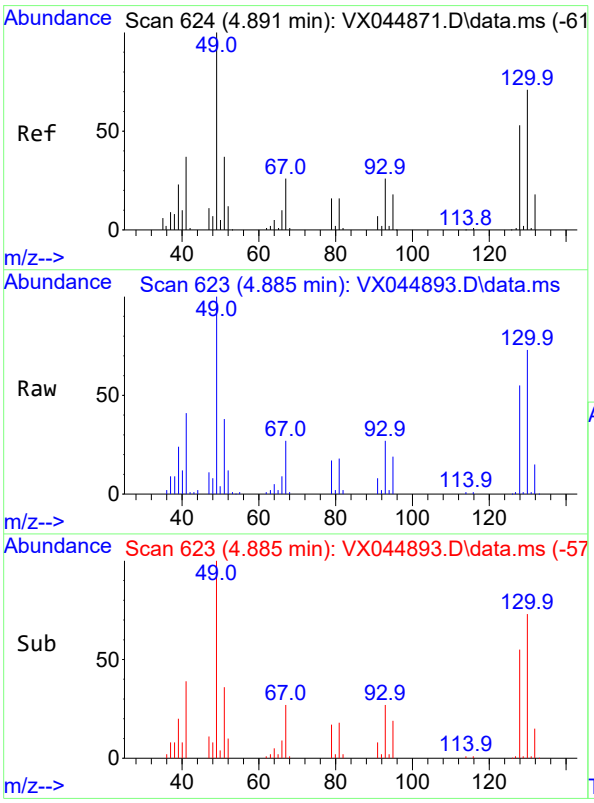
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

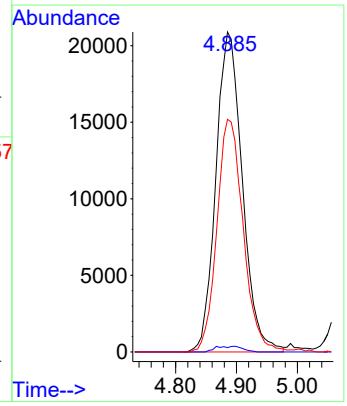


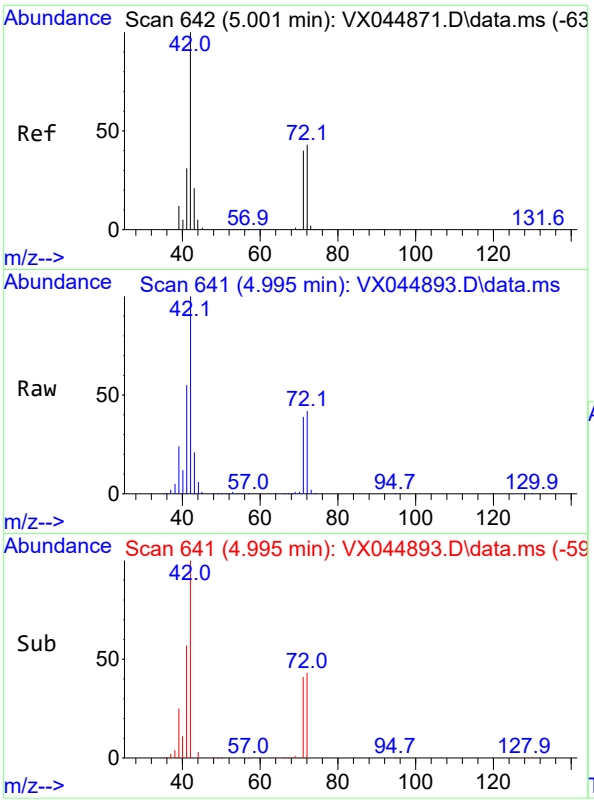


#28
Bromochloromethane
Concen: 42.41 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 49 Resp: 63054

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.4
130	72.3	63.4	95.2





#29
Tetrahydrofuran
Concen: 242.18 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 19281

Ion	Ratio	Lower	Upper
42	100		
72	43.3	38.2	57.4
71	39.6	35.3	52.9

Manual Integrations
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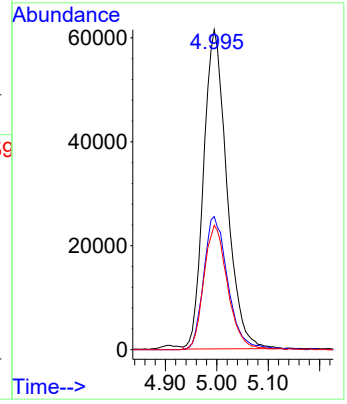
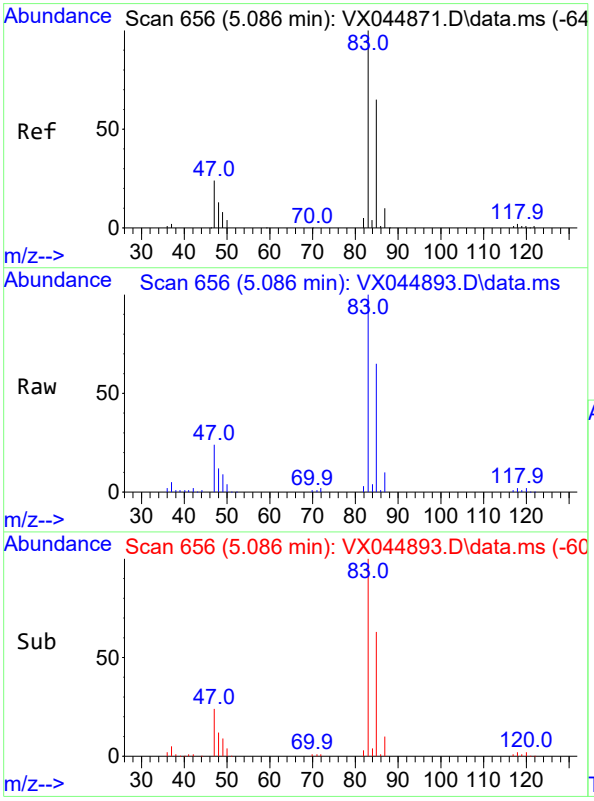
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

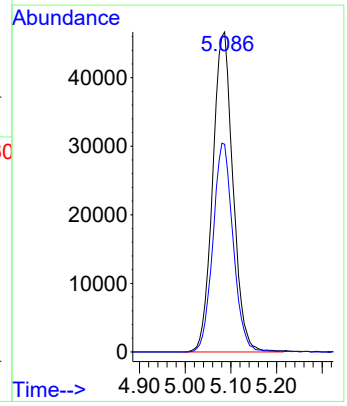


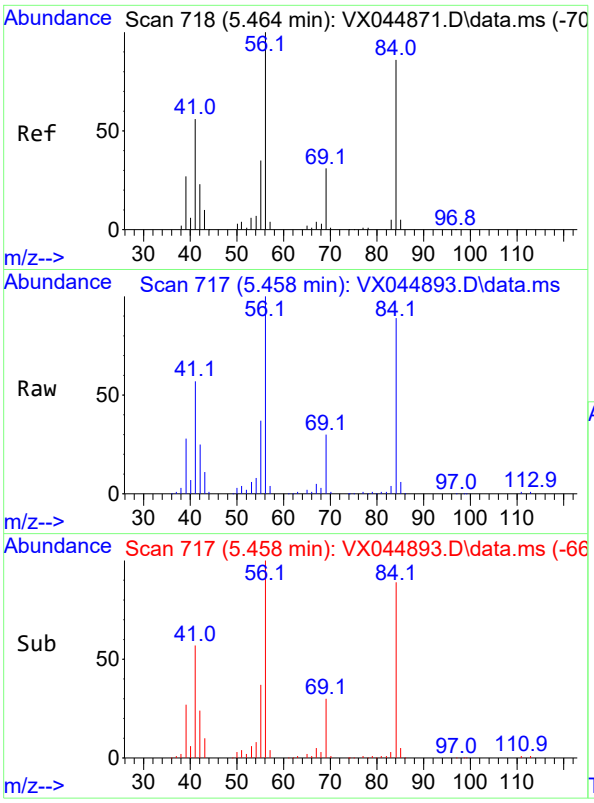


#30
Chloroform
Concen: 47.92 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 83 Resp: 143782

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8





#31
Cyclohexane
Concen: 47.41 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

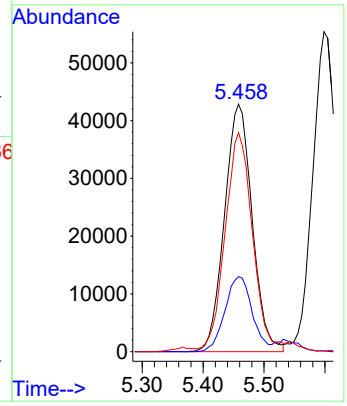
Tgt Ion: 56 Resp: 13523

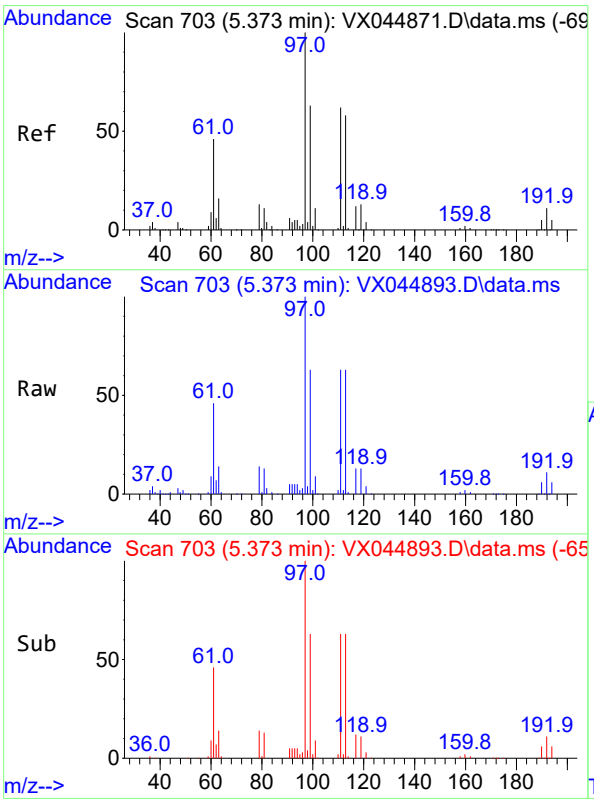
Ion	Ratio	Lower	Upper
56	100		
69	30.3	26.8	40.2
84	86.7	71.0	106.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

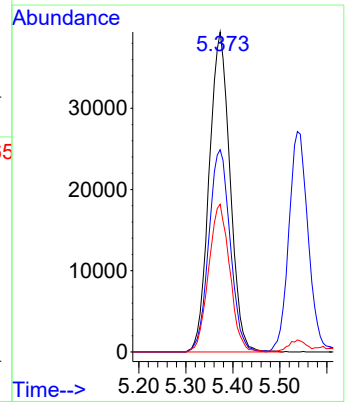


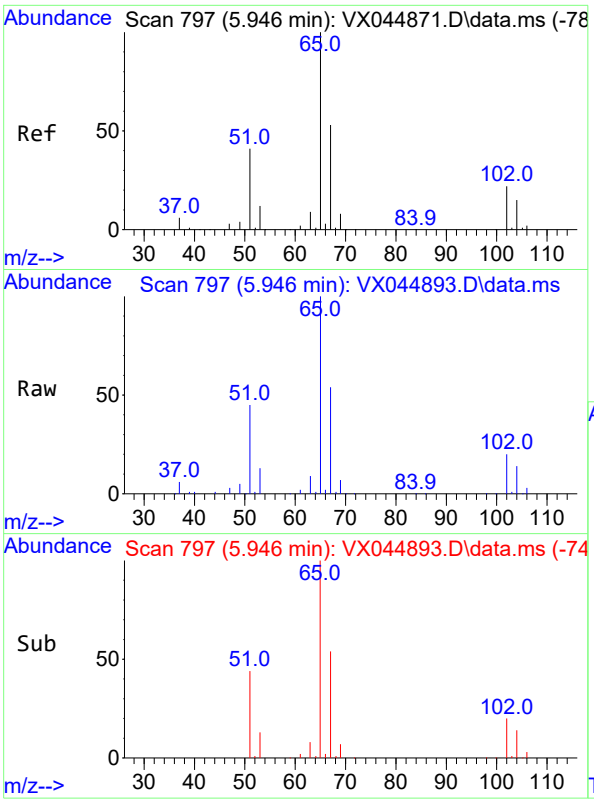


#32
1,1,1-Trichloroethane
Concen: 47.60 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 97 Resp: 121149

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	46.9	35.6	53.4





#33
1,2-Dichloroethane-d4
Concen: 48.64 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 65 Resp: 8933

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	103.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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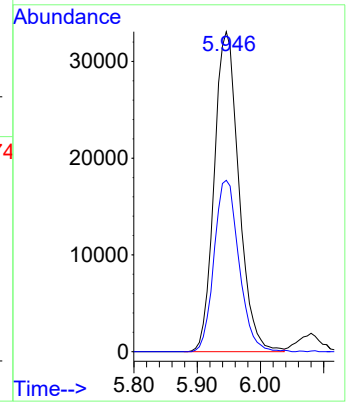
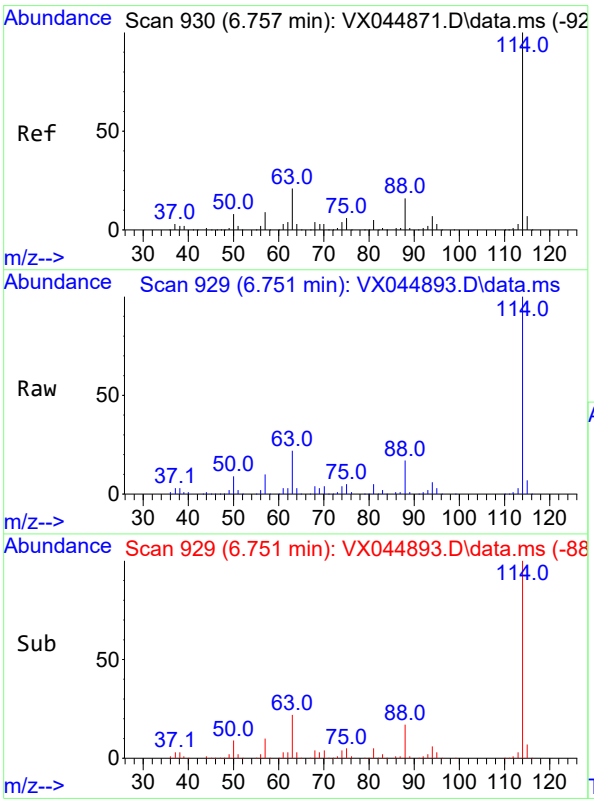
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

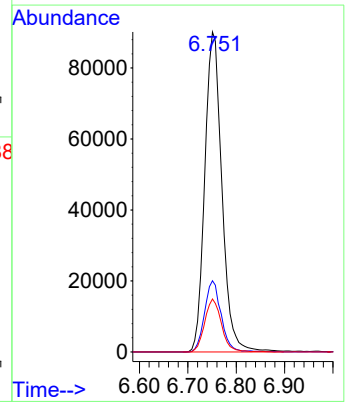


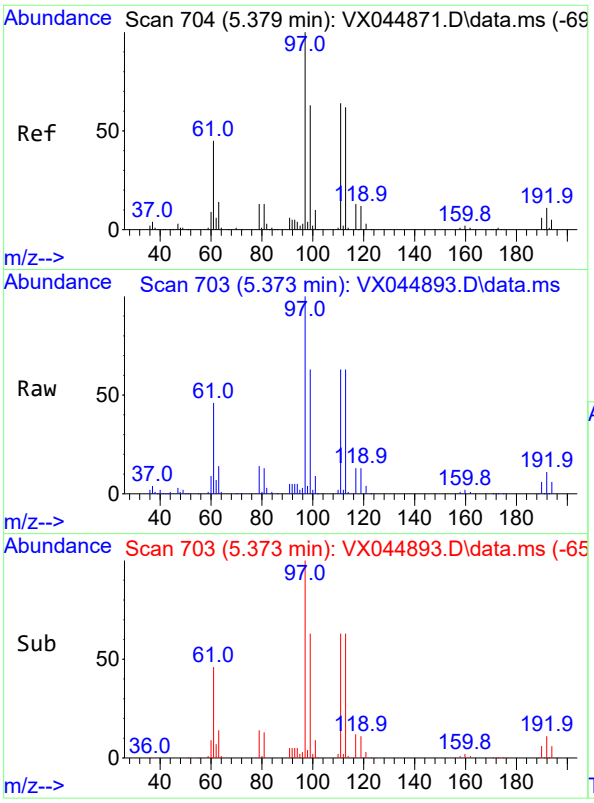


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:114 Resp: 221806

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.0
88	16.6	0.0	35.4





#35
Dibromofluoromethane
Concen: 49.71 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 7168(

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.6	122.4
192	17.6	14.4	21.6

Manual Integrations
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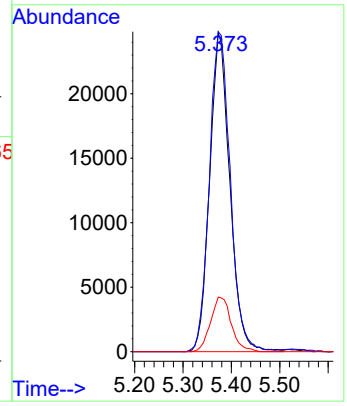
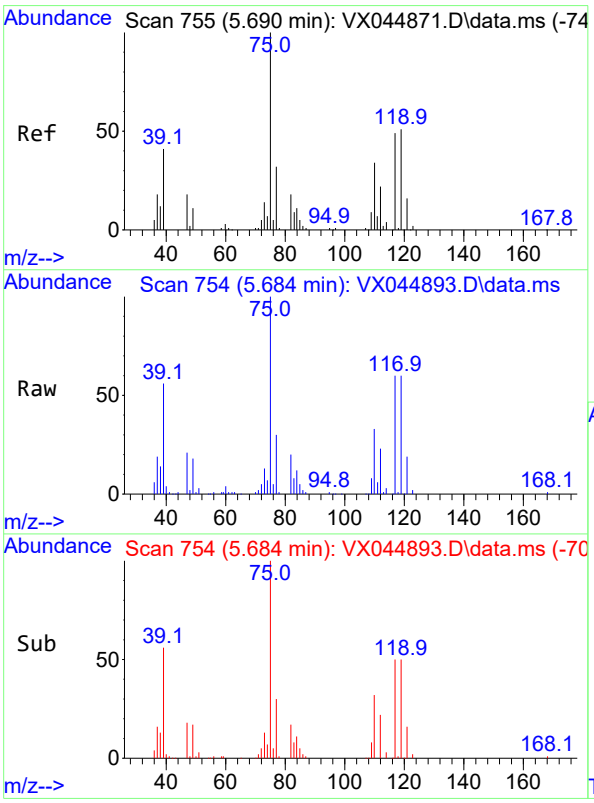
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

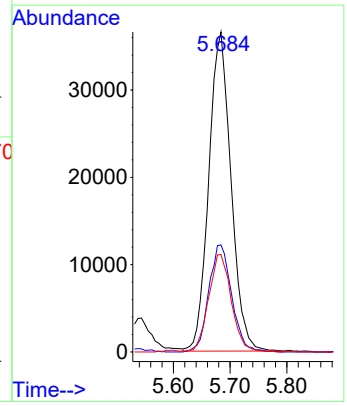


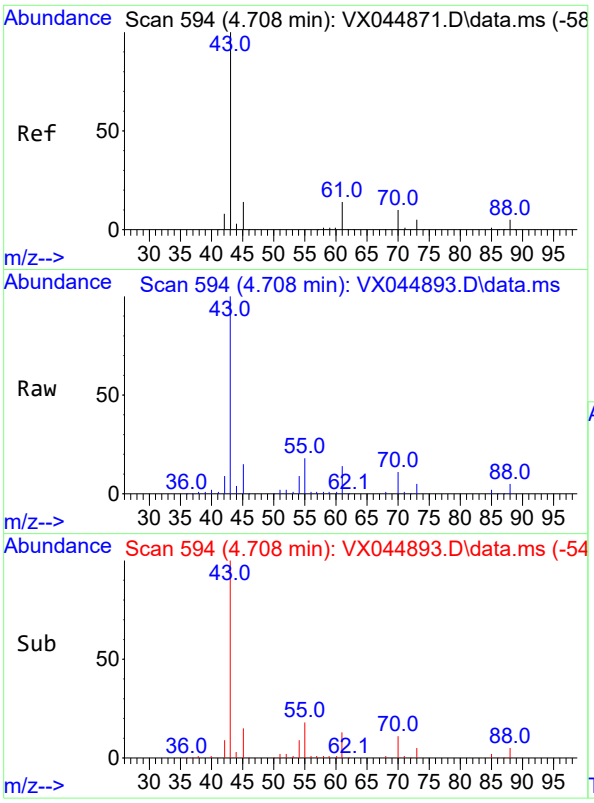


#36
1,1-Dichloropropene
Concen: 47.95 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 75 Resp: 99764

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.9	53.8
77	31.2	24.5	36.7





#37
Ethyl Acetate
Concen: 48.73 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

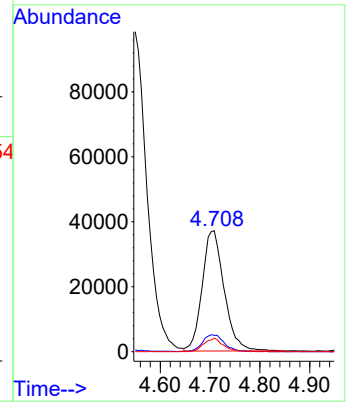
Tgt Ion: 43 Resp: 11334

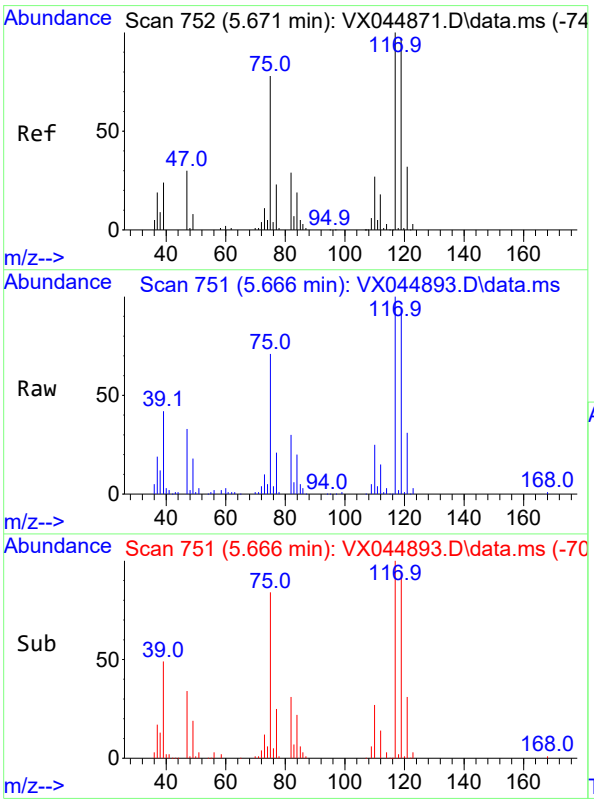
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	9.9	10.1	15.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

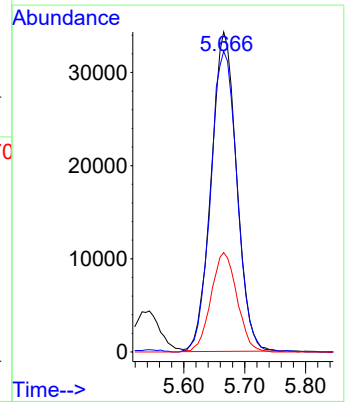


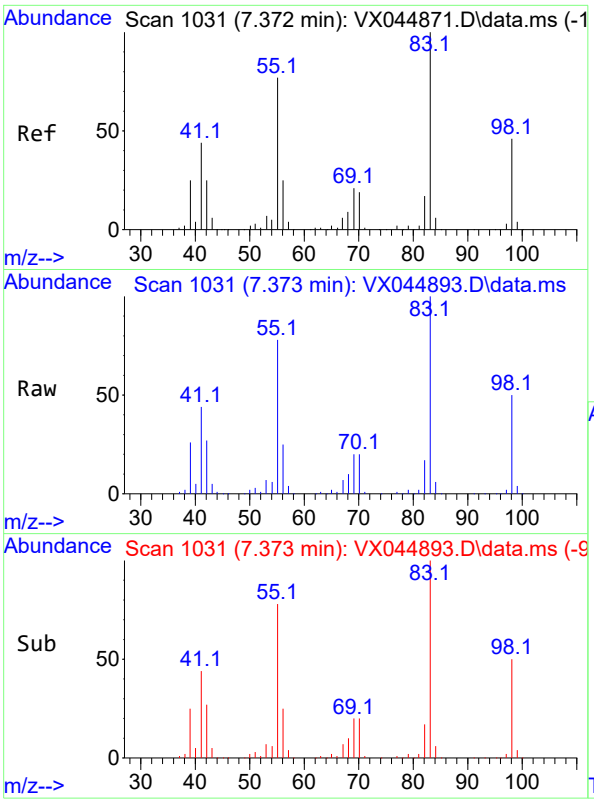


#38
Carbon Tetrachloride
Concen: 48.89 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:117 Resp: 99680

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.0	114.0
121	31.1	24.6	36.8





#39
Methylcyclohexane
Concen: 52.50 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

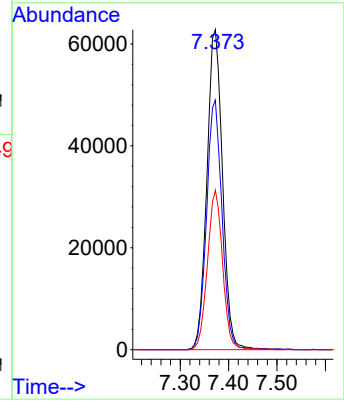
Tgt Ion: 83 Resp: 14121

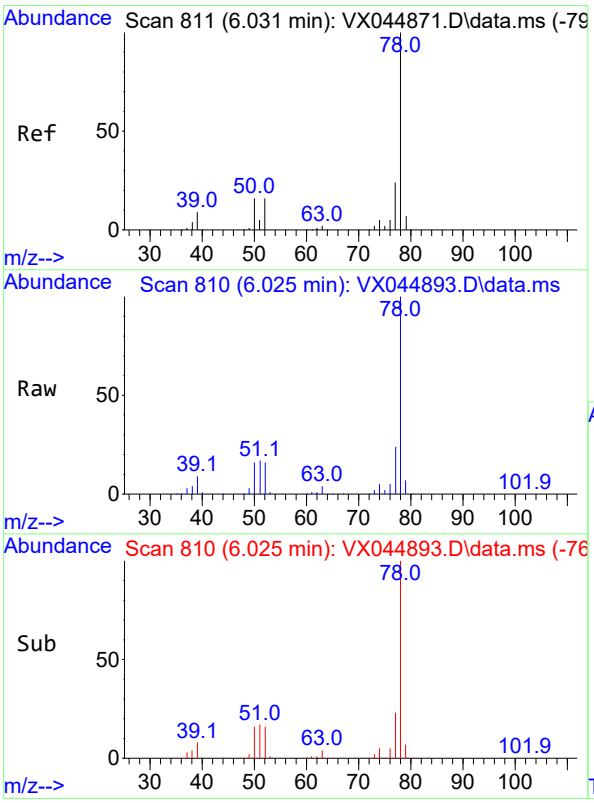
Ion	Ratio	Lower	Upper
83	100		
55	78.0	60.5	90.7
98	49.8	39.0	58.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

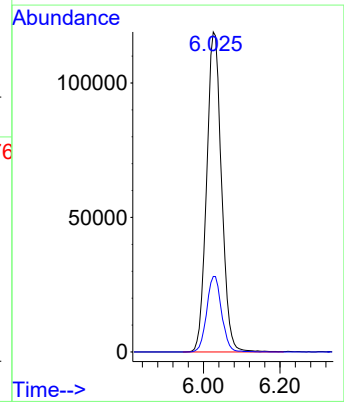


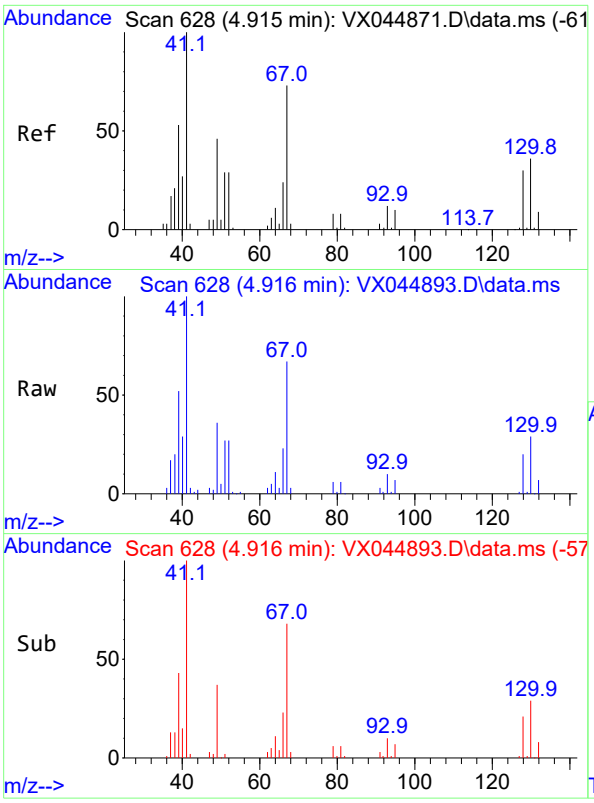


#40
Benzene
Concen: 49.47 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 78 Resp: 321371

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





#41
Methacrylonitrile
Concen: 51.92 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

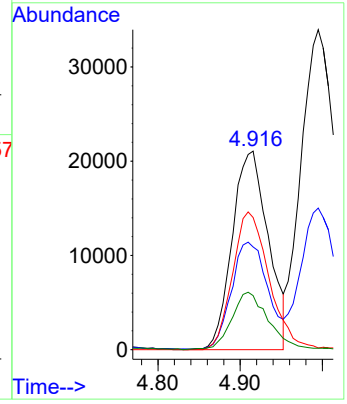
Tgt Ion: 41 Resp: 6431

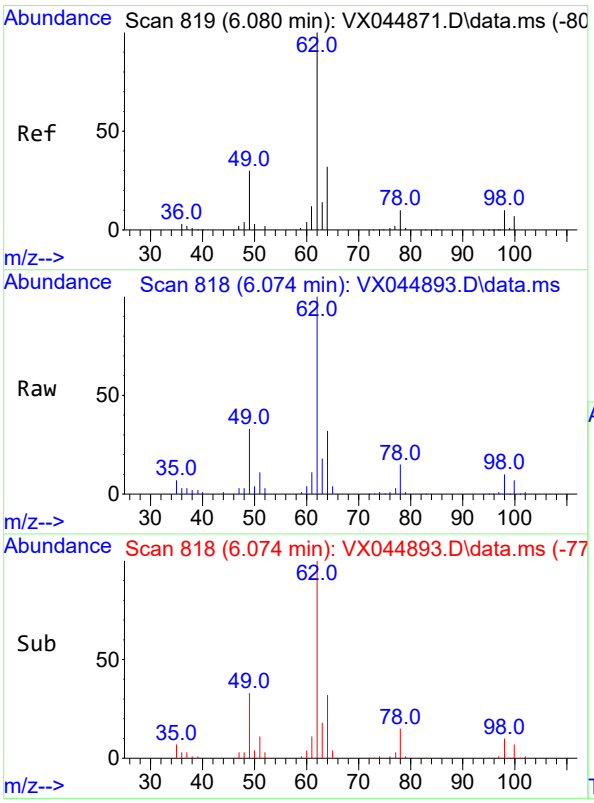
Ion	Ratio	Lower	Upper
41	100		
39	54.4	44.4	66.6
67	70.9	60.6	90.8
52	29.9	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

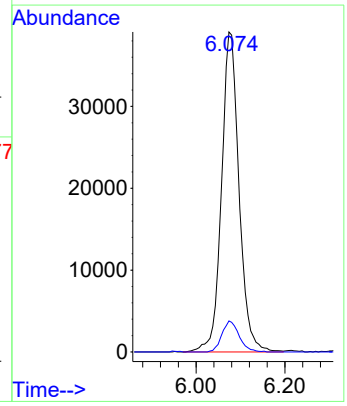


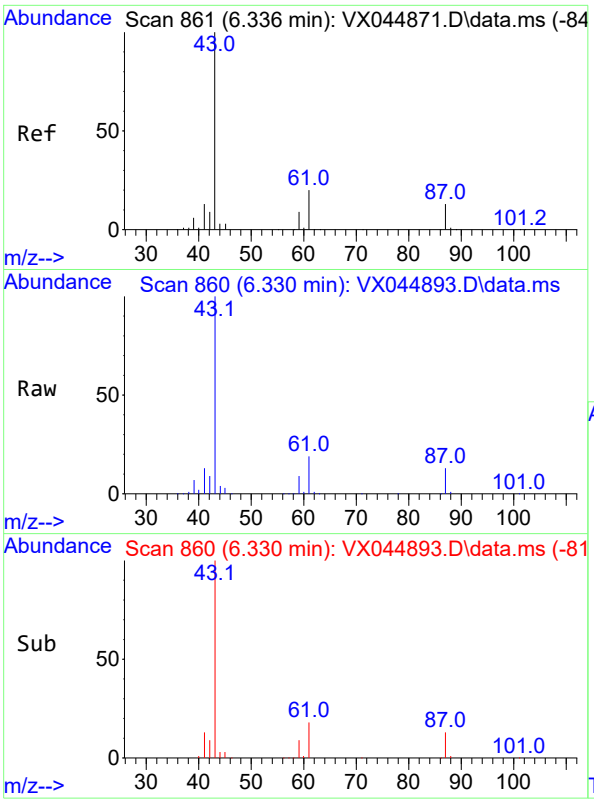


#42
1,2-Dichloroethane
Concen: 51.58 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 62 Resp: 106806

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4





#43
Isopropyl Acetate
Concen: 51.50 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 19246

Ion	Ratio	Lower	Upper
43	100		
61	19.2	16.6	24.8
87	12.9	11.0	16.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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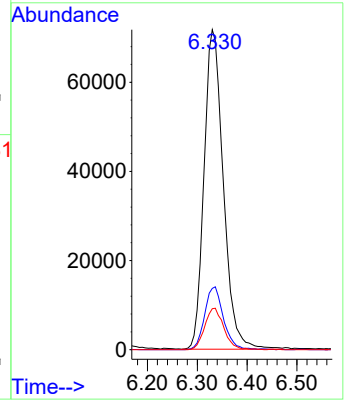
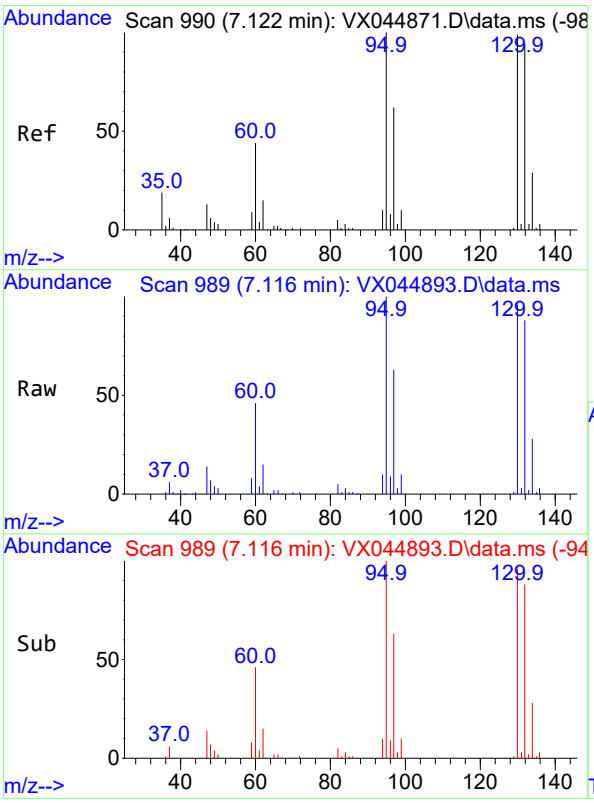
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

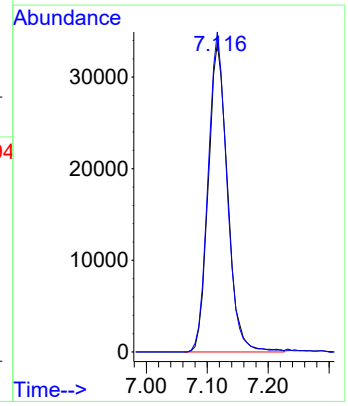


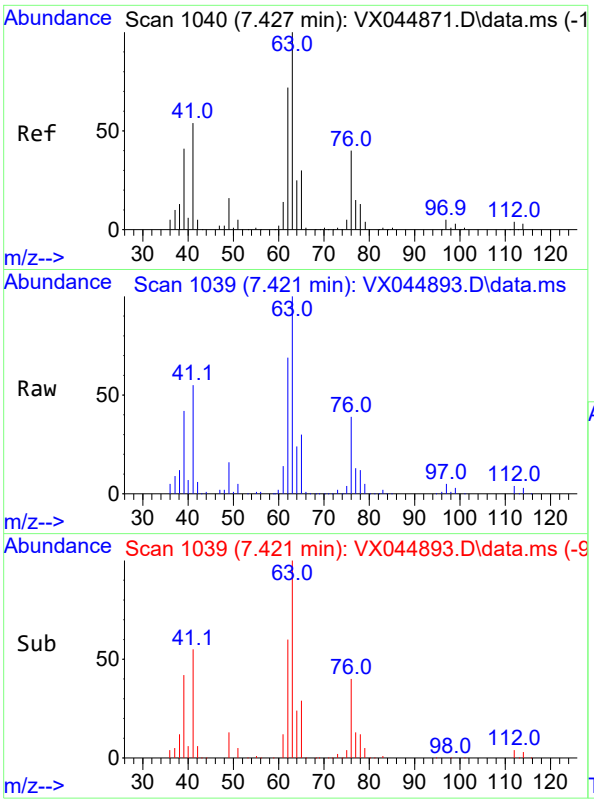


#44
Trichloroethene
Concen: 49.84 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:130 Resp: 74009

Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	208.2





#45
1,2-Dichloropropane
Concen: 50.86 ug/l
RT: 7.421 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 63 Resp: 8220

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.2	36.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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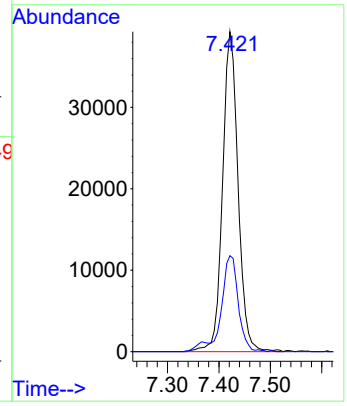
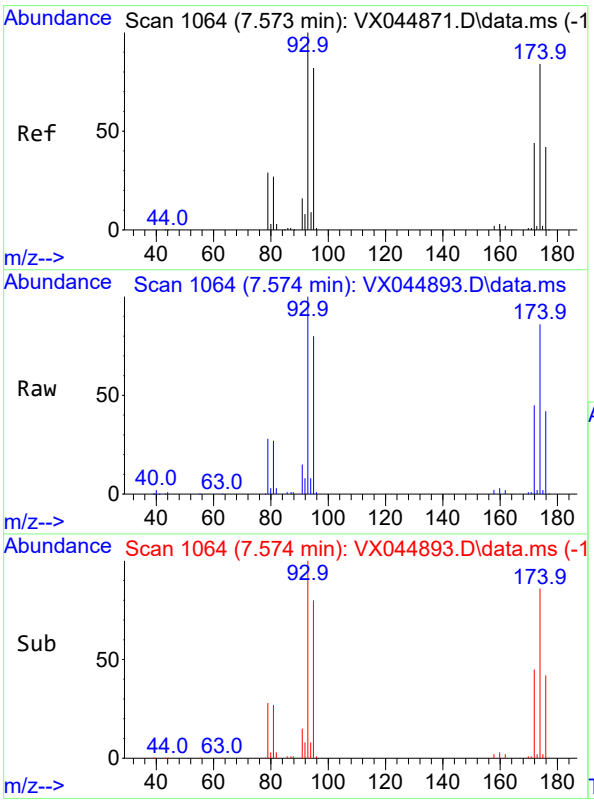
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

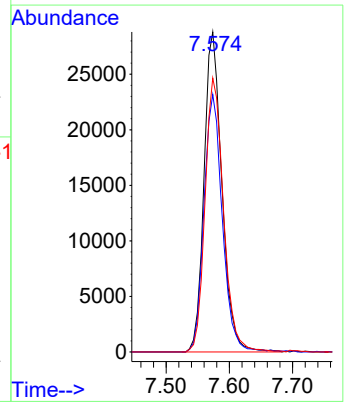


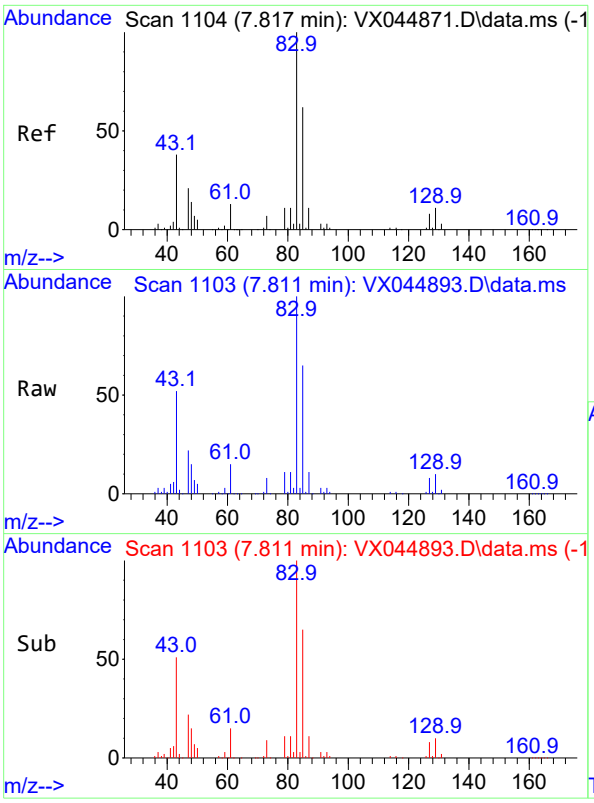


#46
Dibromomethane
Concen: 50.58 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 93 Resp: 56698

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.4	99.6
174	88.6	72.0	108.0





#47
Bromodichloromethane
Concen: 52.58 ug/l
RT: 7.811 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 83 Resp: 11411

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.1	75.1
127	8.3	6.5	9.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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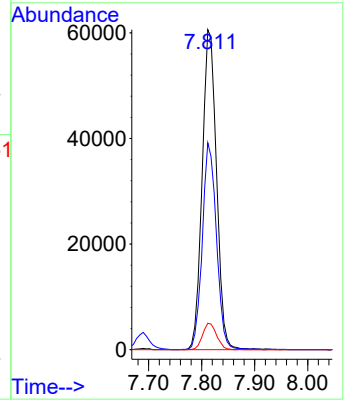
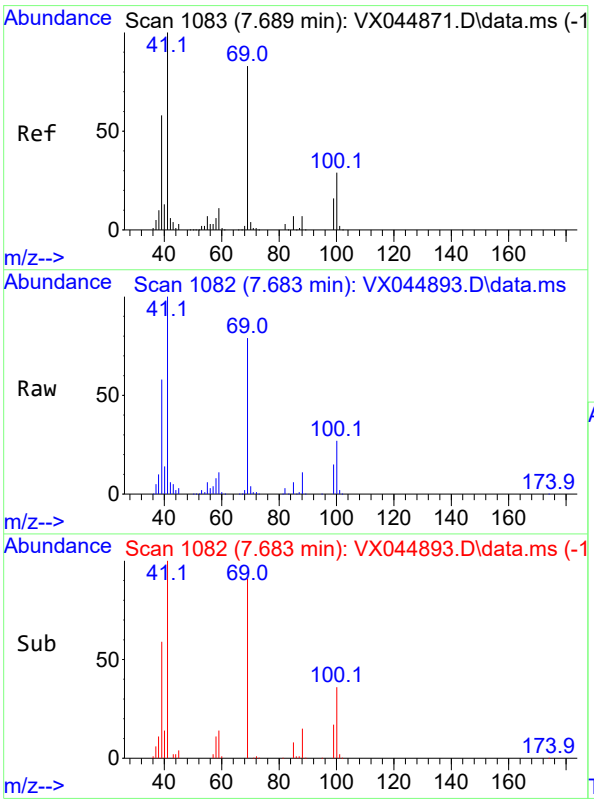
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

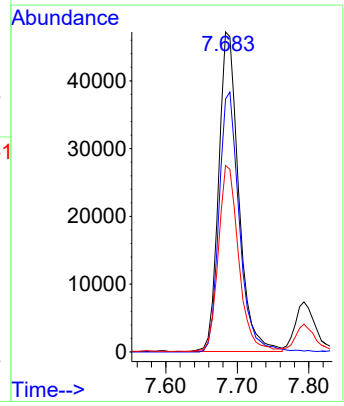


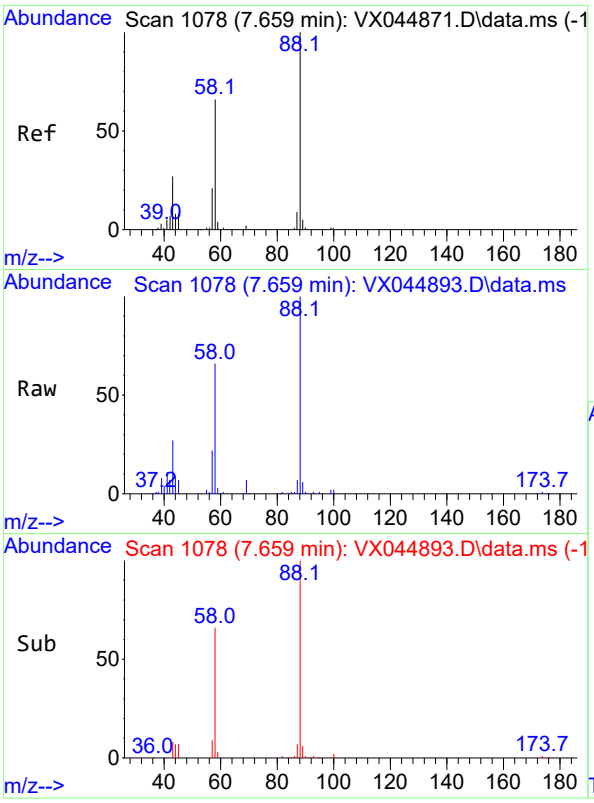


#48
Methyl methacrylate
Concen: 52.04 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 41 Resp: 91692

Ion	Ratio	Lower	Upper
41	100		
69	82.6	66.8	100.2
39	58.8	47.4	71.0





#49
1,4-Dioxane
Concen: 1023.30 ug/l
RT: 7.659 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 88 Resp: 3868(

Ion	Ratio	Lower	Upper
88	100		
43	34.4	27.0	40.4
58	69.4	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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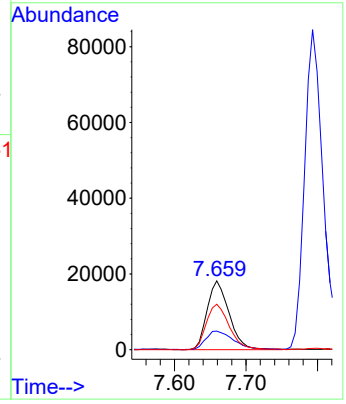
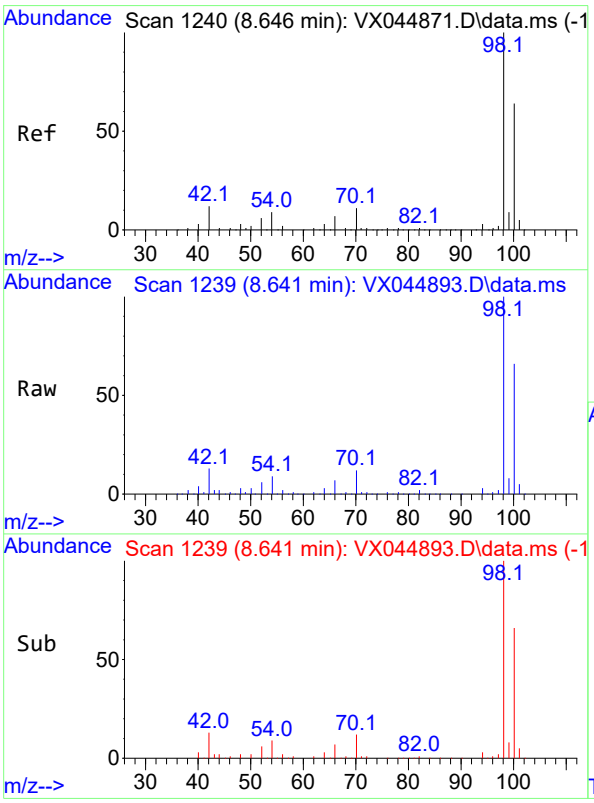
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

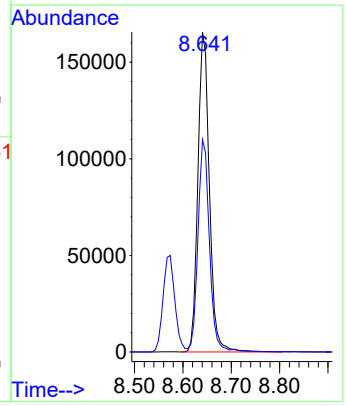


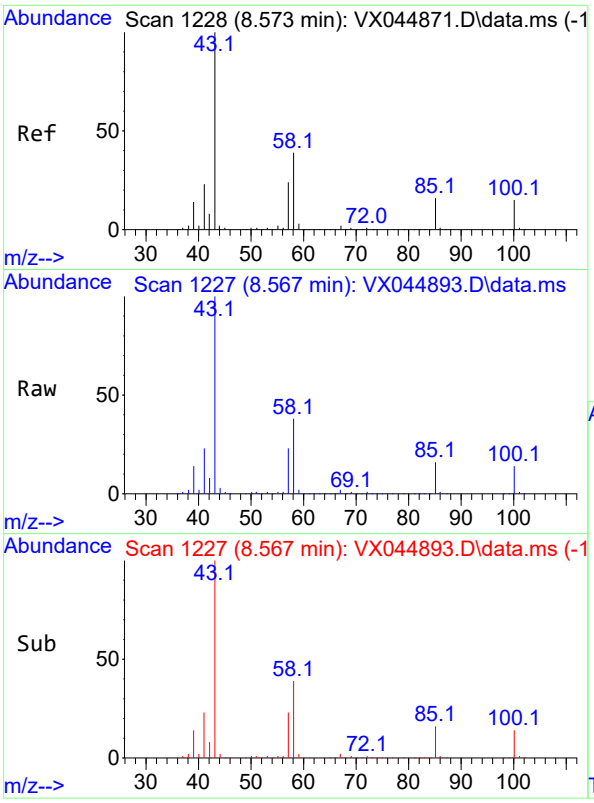


#50
Toluene-d8
Concen: 50.05 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 98 Resp: 272926

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.2	79.8





#51
4-Methyl-2-Pentanone
Concen: 258.92 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 58823

Ion	Ratio	Lower	Upper
43	100		
58	37.8	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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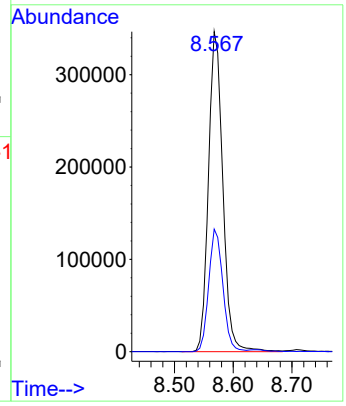
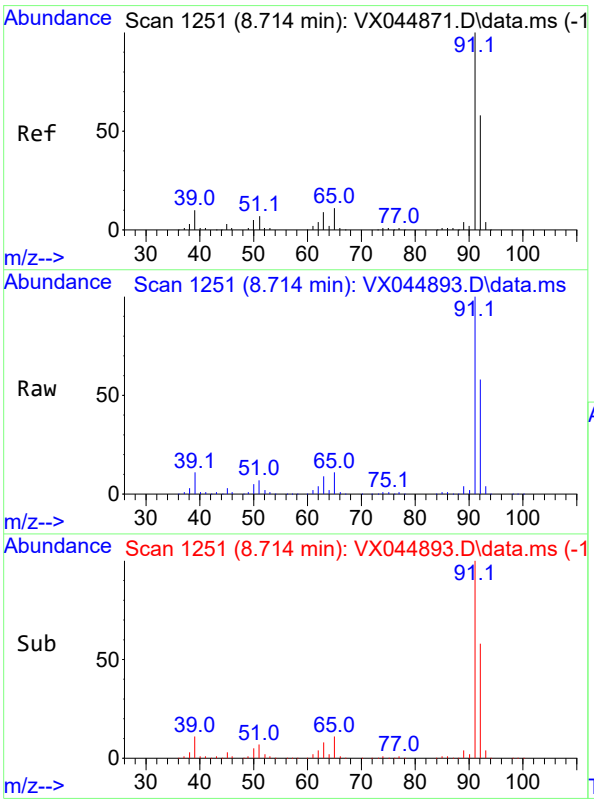
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

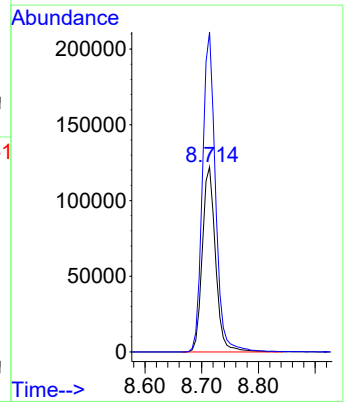


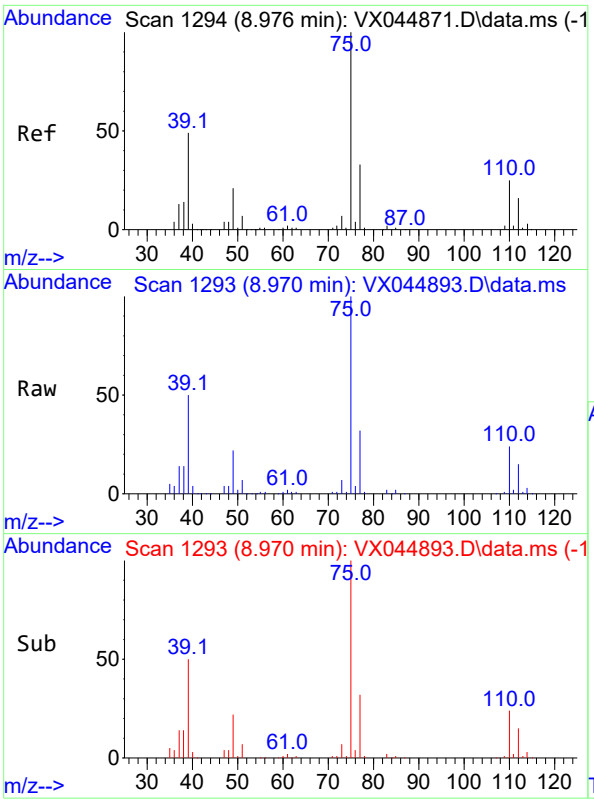


#52
Toluene
Concen: 51.18 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 92 Resp: 198031

Ion	Ratio	Lower	Upper
92	100		
91	170.6	135.7	203.5





#53
t-1,3-Dichloropropene
Concen: 53.07 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 75 Resp: 116558

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.4	36.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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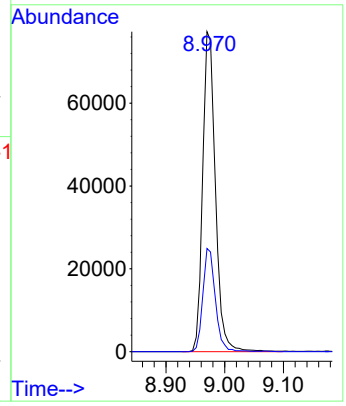
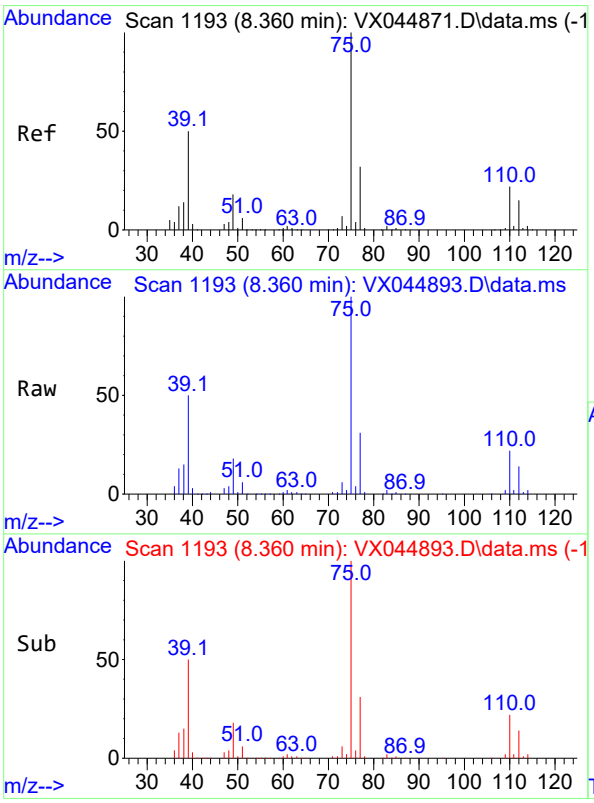
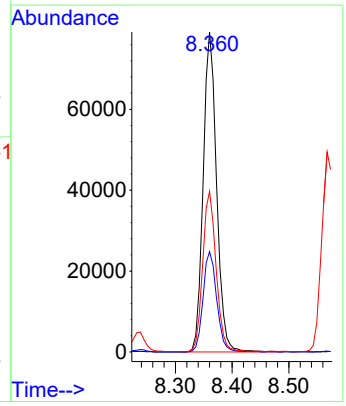


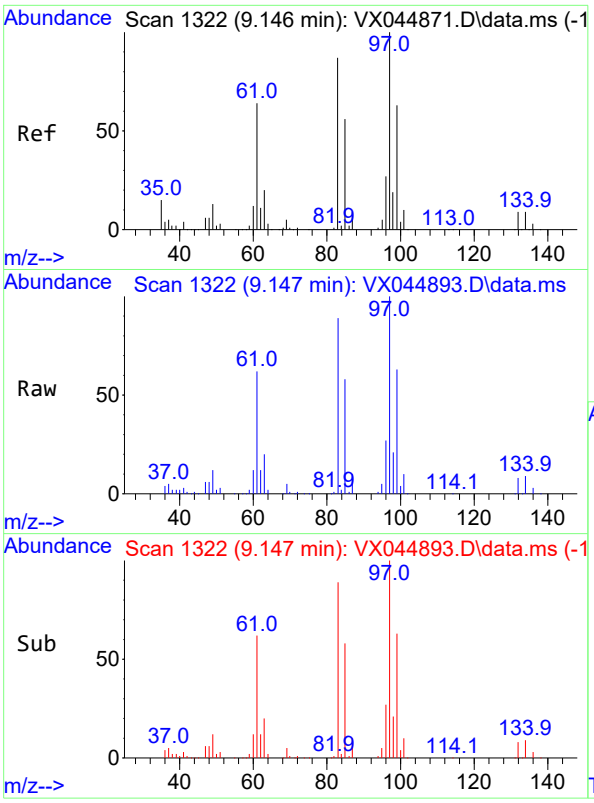


#54
cis-1,3-Dichloropropene
Concen: 53.04 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 75 Resp: 129895

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	50.1	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 51.28 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 97 Resp: 7627

Ion	Ratio	Lower	Upper
97	100		
83	89.3	68.8	103.2
85	58.2	43.7	65.5
99	63.3	49.5	74.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 02/12/2025
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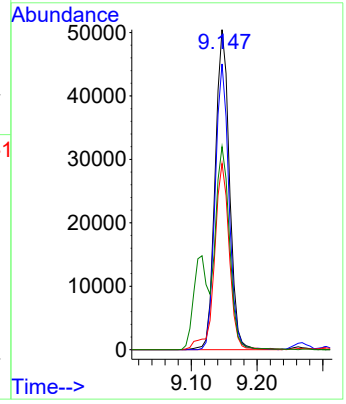
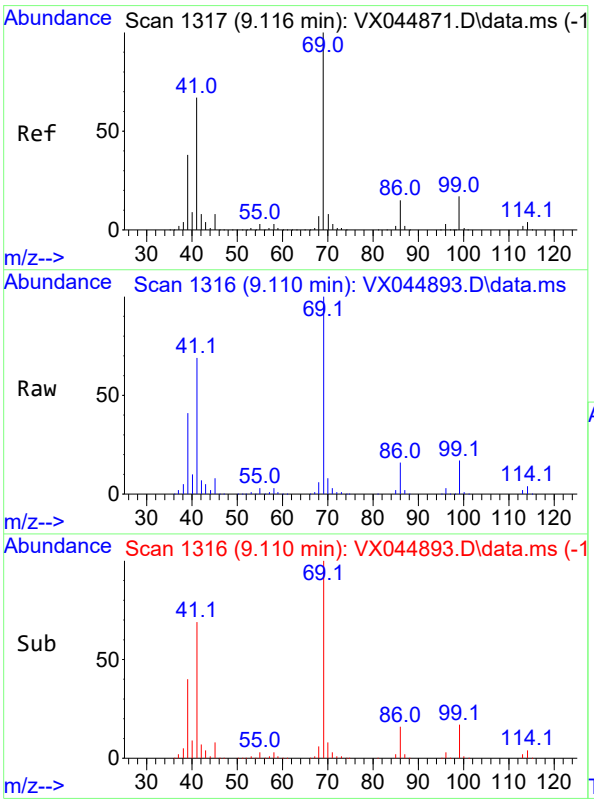
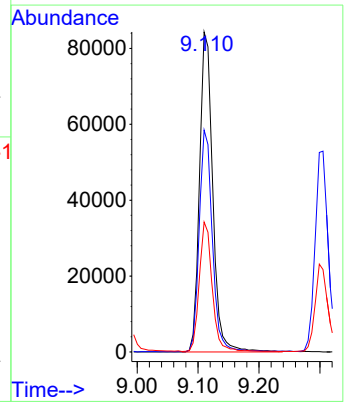


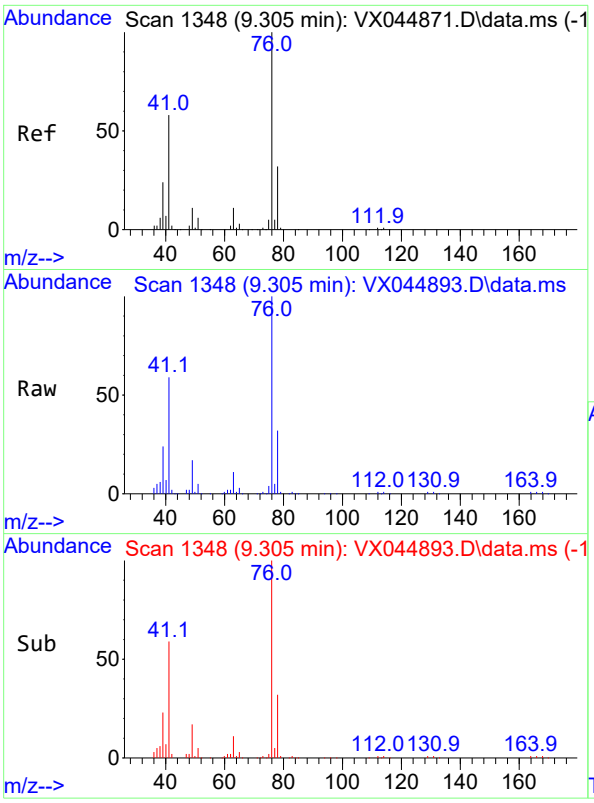


#56
Ethyl methacrylate
Concen: 52.77 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 69 Resp: 126768

Ion	Ratio	Lower	Upper
69	100		
41	69.0	53.2	79.8
39	39.6	30.2	45.2





#57
1,3-Dichloropropane
Concen: 51.19 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 76 Resp: 13322

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 02/12/2025
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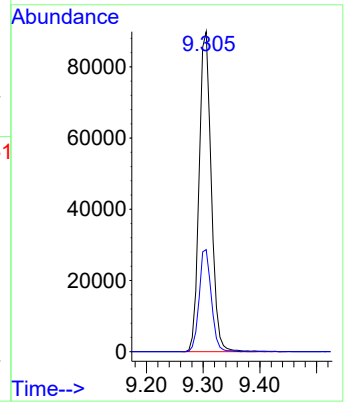
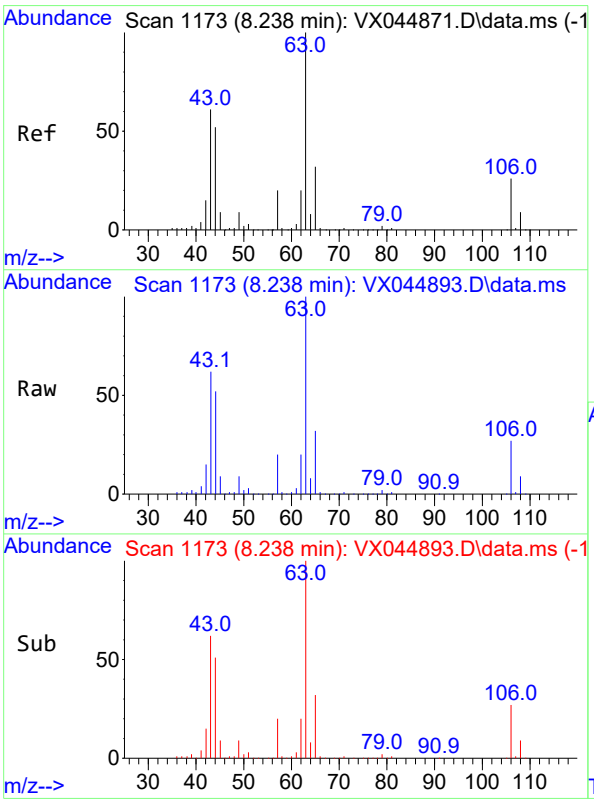
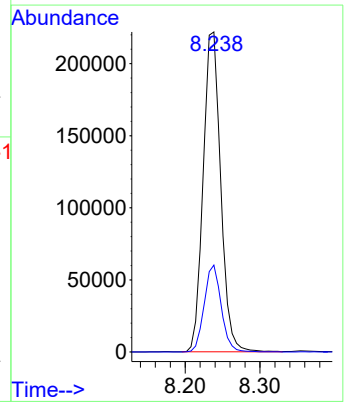


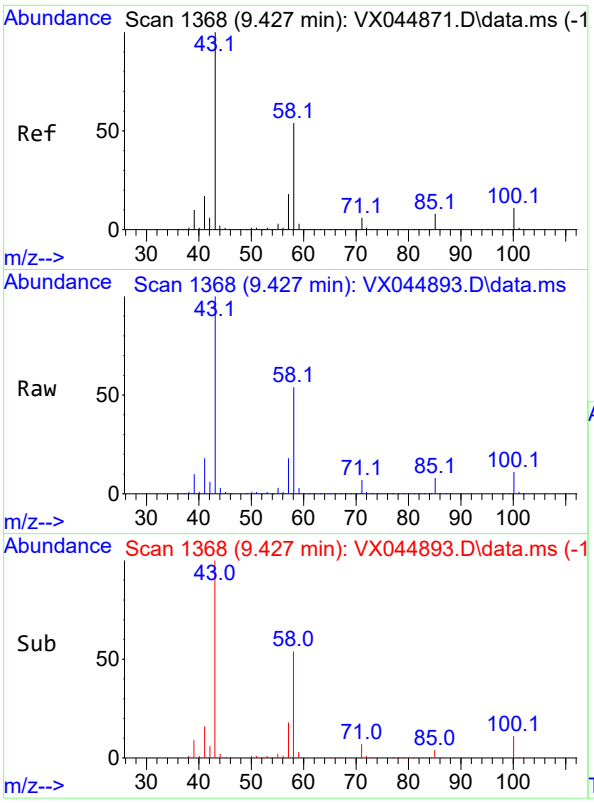


#58
2-Chloroethyl Vinyl ether
Concen: 306.84 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 63 Resp: 361927

Ion	Ratio	Lower	Upper
63	100		
106	26.3	23.0	34.6





#59
2-Hexanone
Concen: 259.83 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

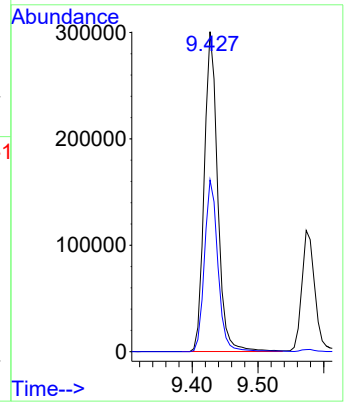
Tgt Ion: 43 Resp: 42532

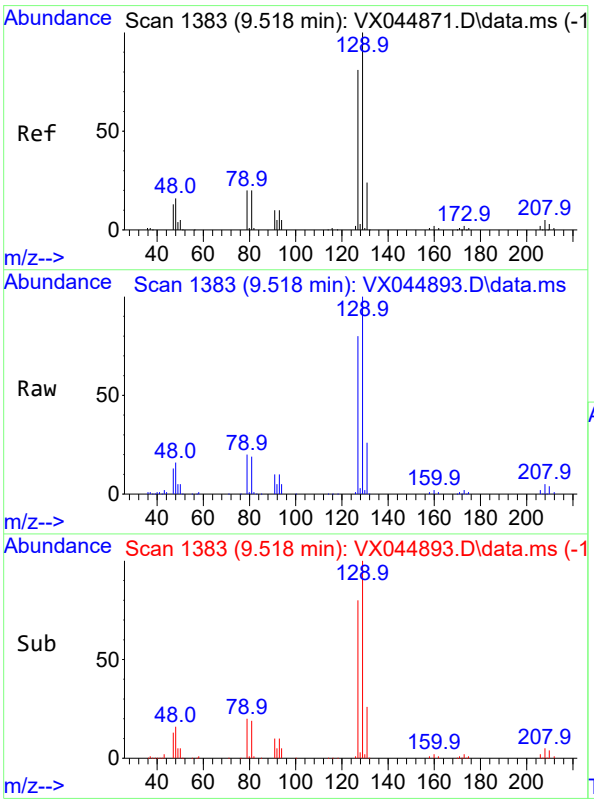
Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.8	83.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

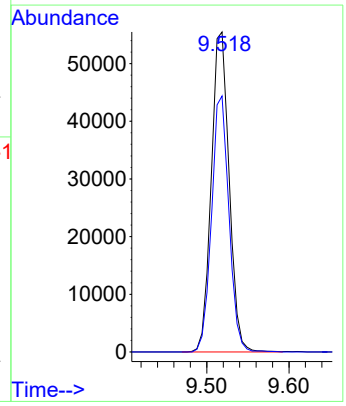


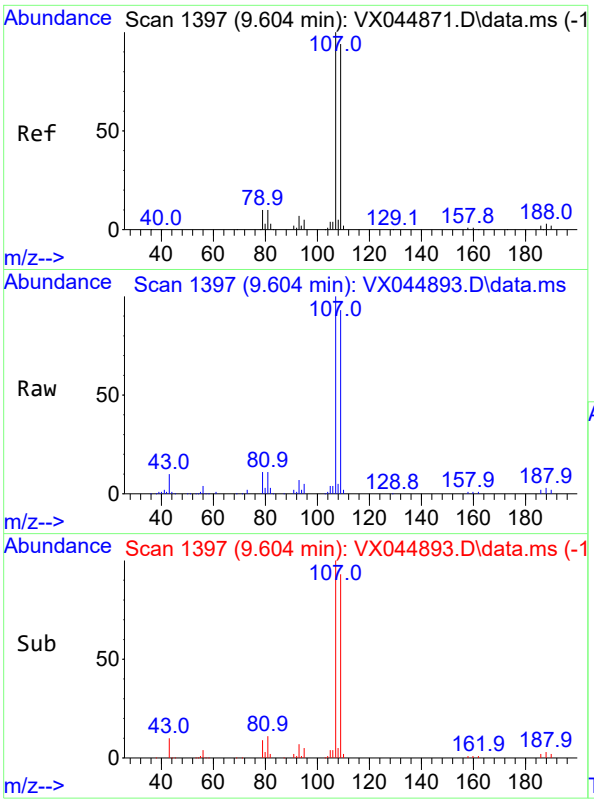


#60
Dibromochloromethane
Concen: 52.57 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:129 Resp: 83627

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5





#61
1,2-Dibromoethane
Concen: 51.47 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:107 Resp: 7759

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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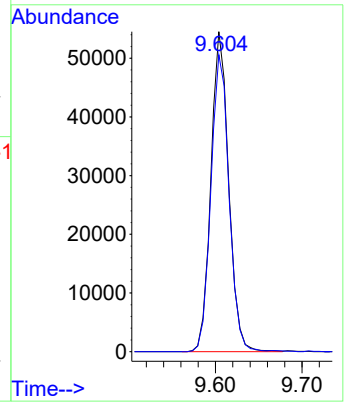
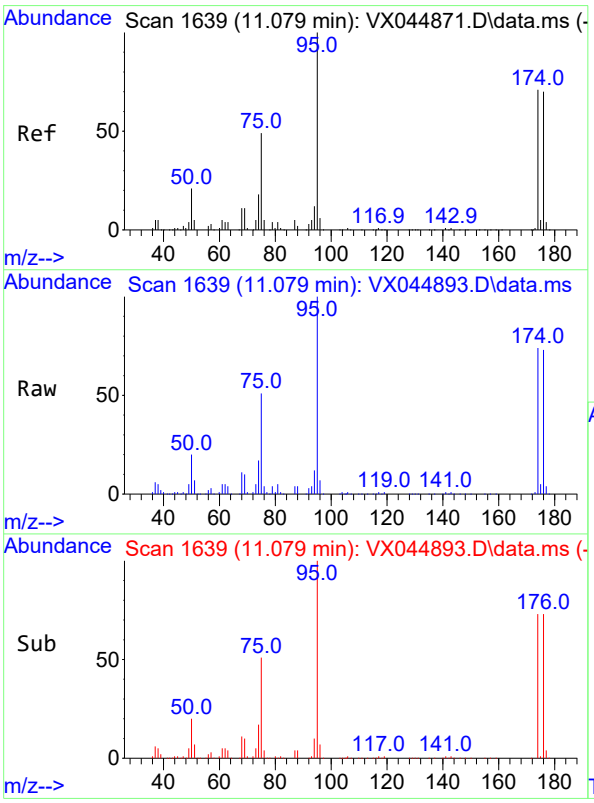
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

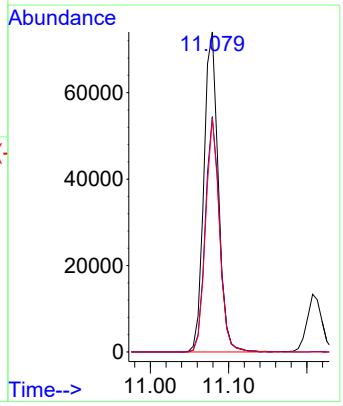


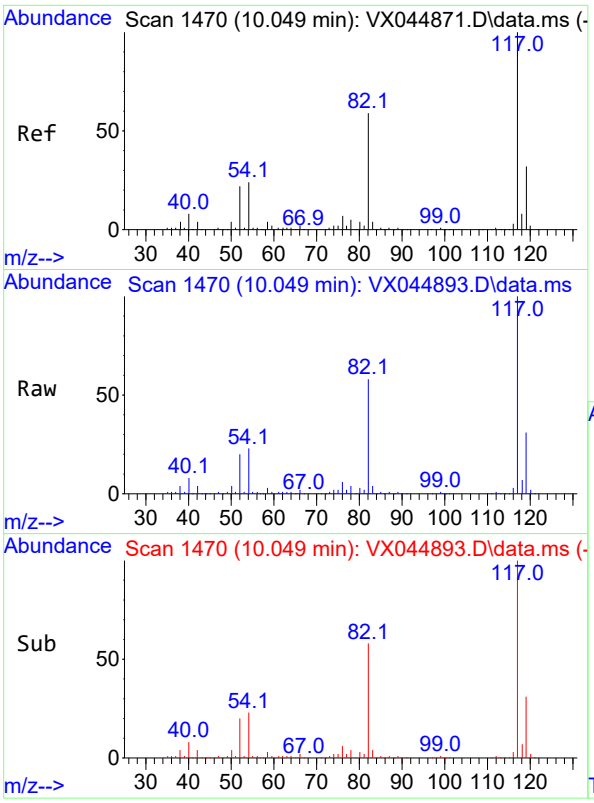


#62
4-Bromofluorobenzene
Concen: 51.42 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 95 Resp: 94539

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	133.0
176	70.1	0.0	129.4





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:117 Resp: 20070

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.6	71.4
119	31.1	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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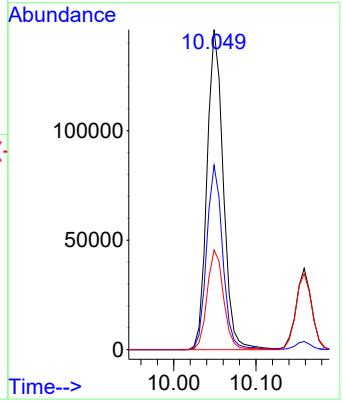
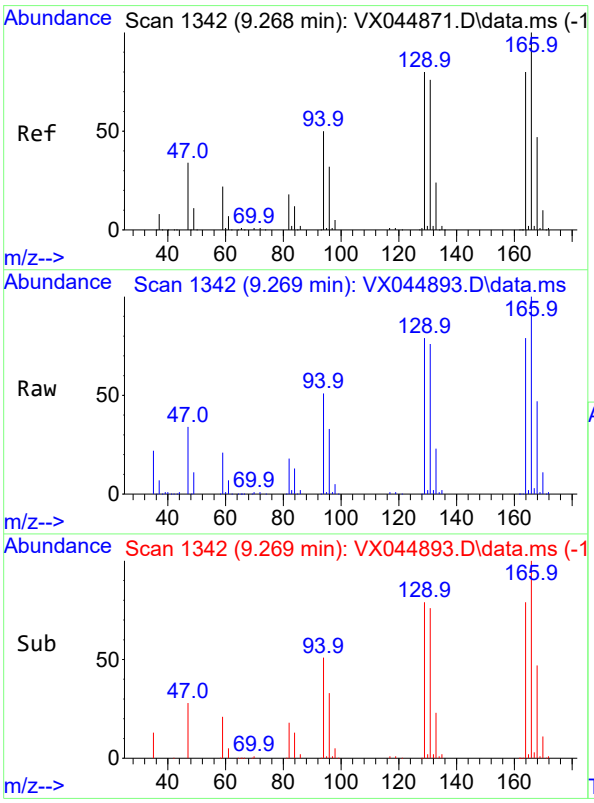
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

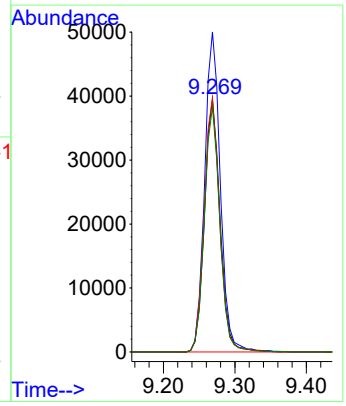


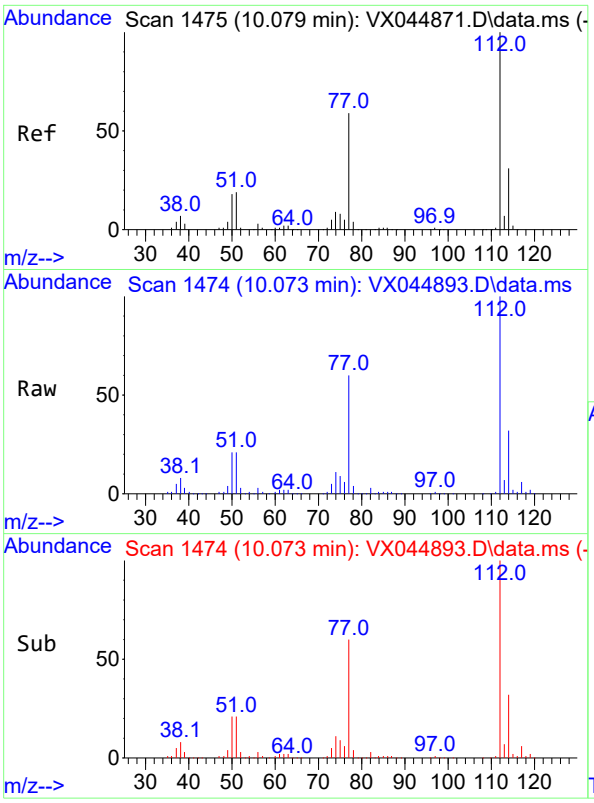


#64
Tetrachloroethene
Concen: 47.49 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:164 Resp: 60113

Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.0	153.0
129	100.3	81.1	121.7
131	96.8	79.0	118.6





#65
Chlorobenzene
Concen: 48.86 ug/l
RT: 10.073 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:112 Resp: 21062

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.3	37.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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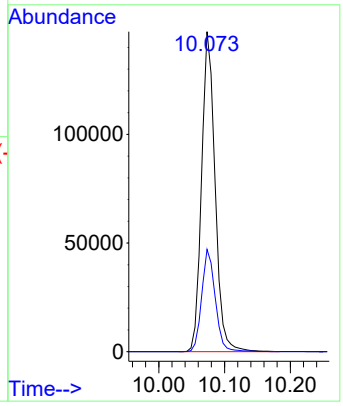
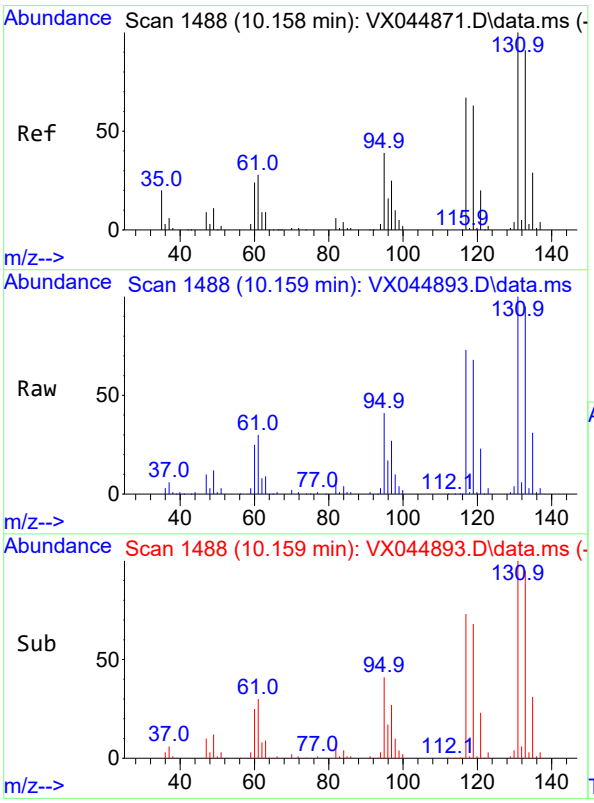
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

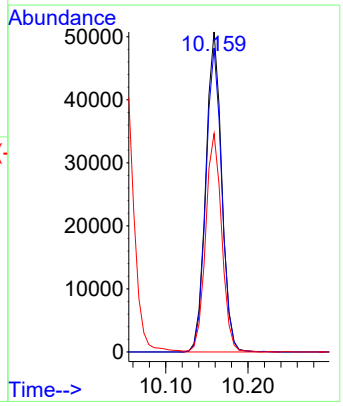


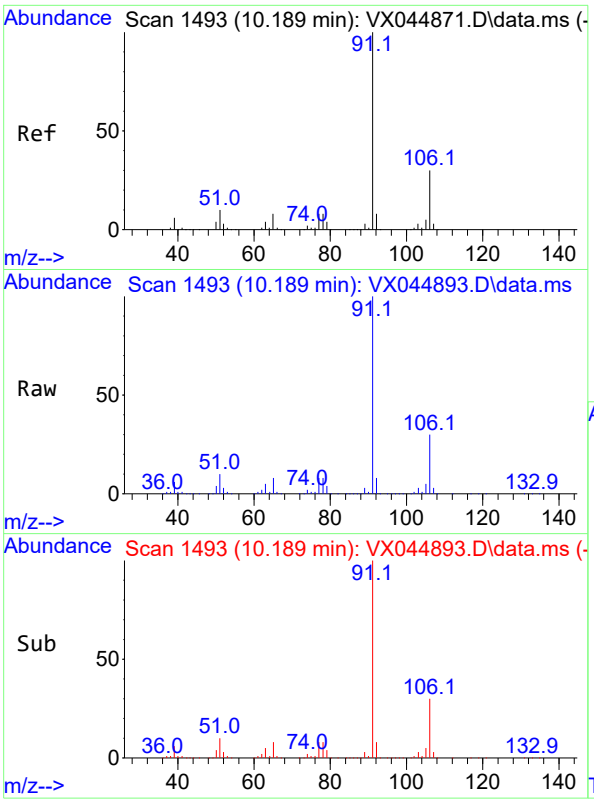


#66
1,1,1,2-Tetrachloroethane
Concen: 49.17 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:131 Resp: 68219

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.8	143.3
119	69.0	33.4	100.2





#67
Ethyl Benzene
Concen: 49.57 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 91 Resp: 37707

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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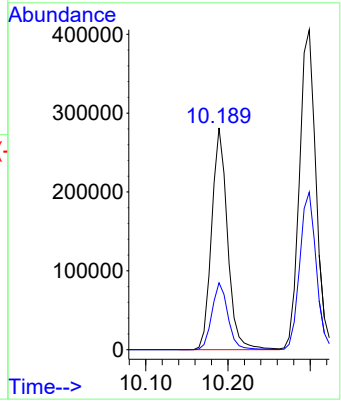
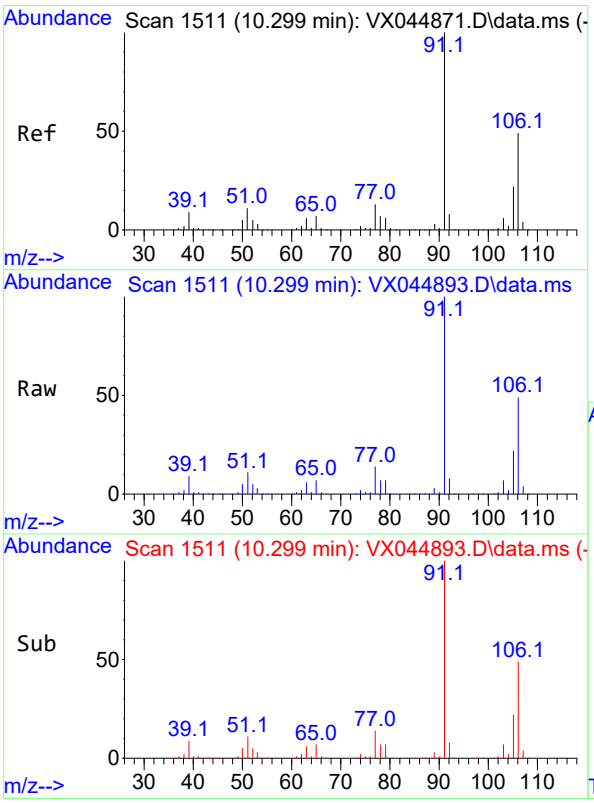
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

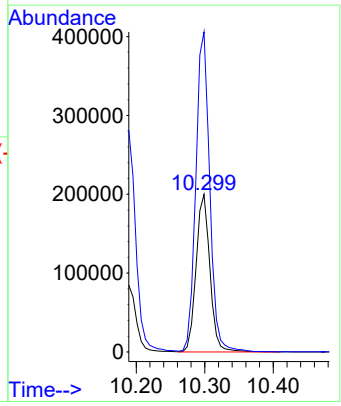


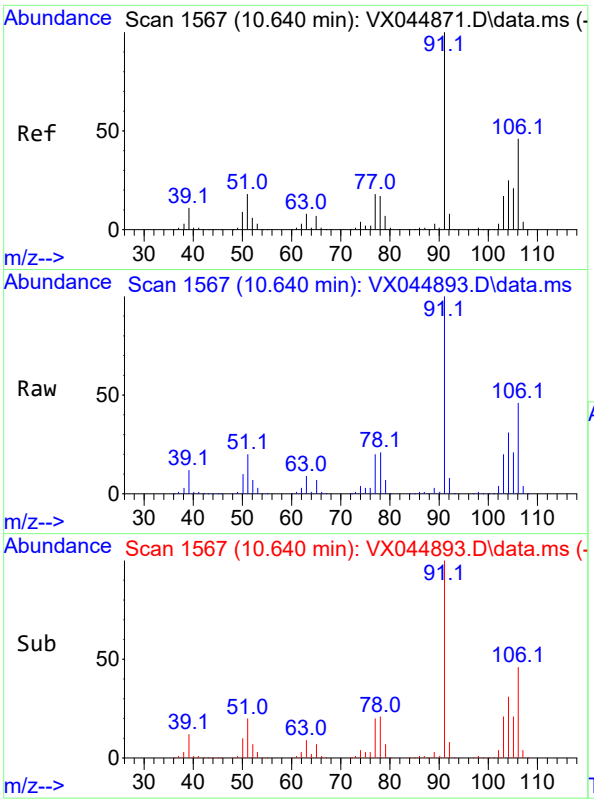


#68
m/p-Xylenes
Concen: 99.99 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:106 Resp: 280582

Ion	Ratio	Lower	Upper
106	100		
91	204.3	166.4	249.6





#69
o-Xylene
Concen: 49.27 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:106 Resp: 13873

Ion	Ratio	Lower	Upper
106	100		
91	216.9	108.7	326.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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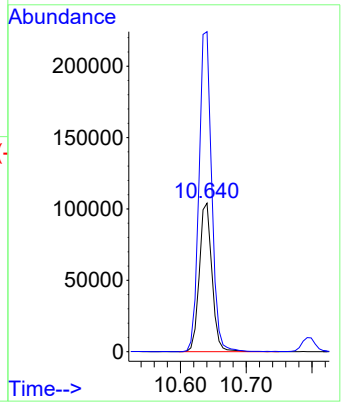
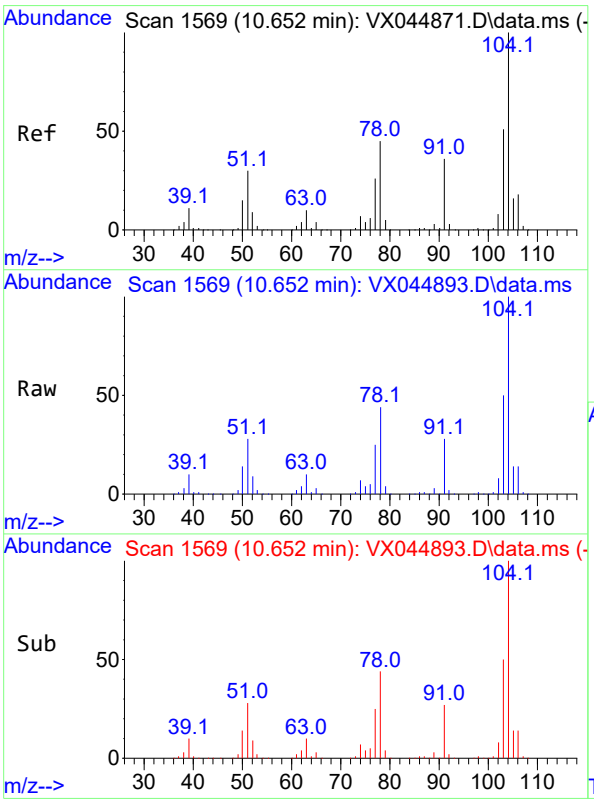
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

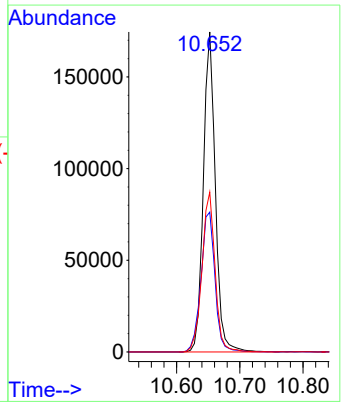


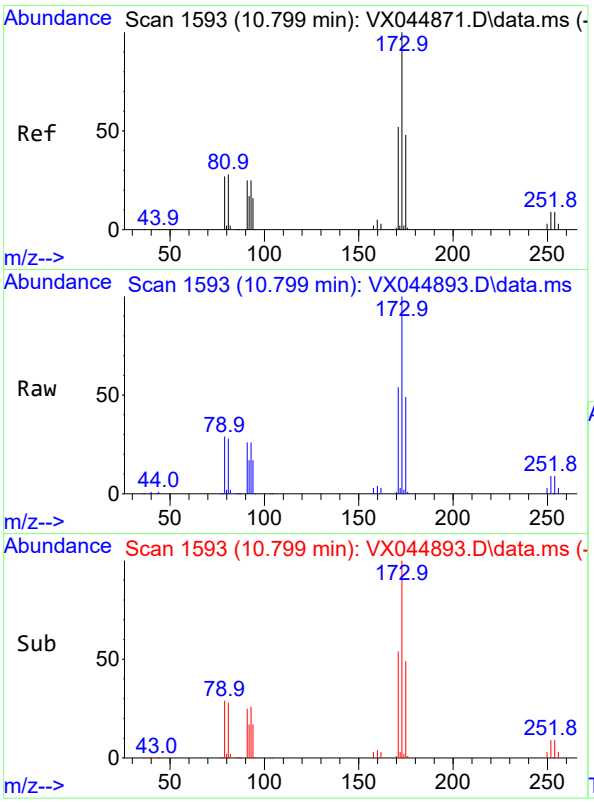


#70
Styrene
Concen: 50.74 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:104 Resp: 230163

Ion	Ratio	Lower	Upper
104	100		
78	51.3	43.0	64.6
103	54.8	43.4	65.2





#71
Bromoform
Concen: 51.22 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

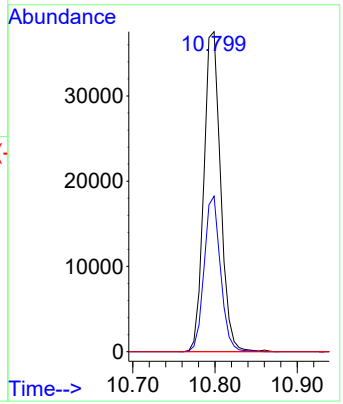
Tgt Ion:173 Resp: 5303

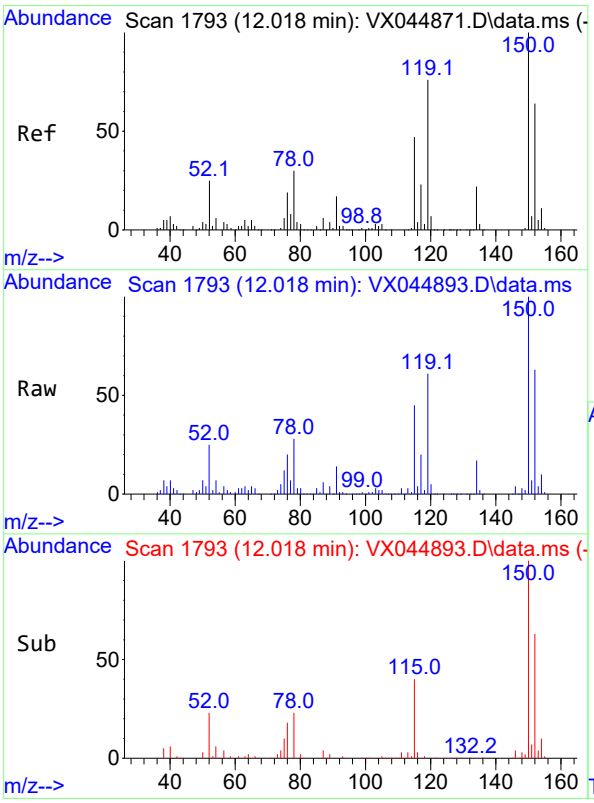
Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.6	70.8
254	0.0	0.1	0.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

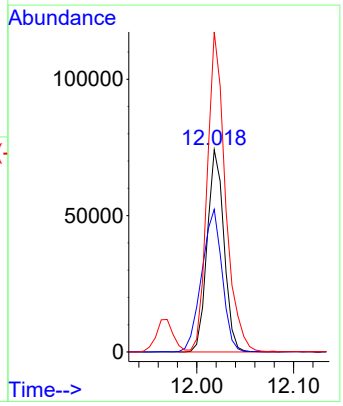


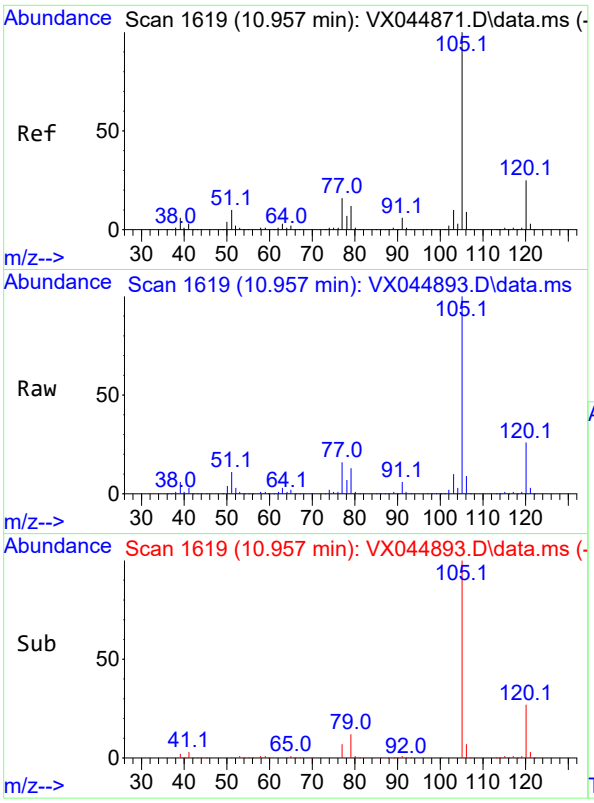


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:152 Resp: 89456

Ion	Ratio	Lower	Upper
152	100		
115	86.1	43.8	131.4
150	170.8	0.0	347.8





#73
Isopropylbenzene
Concen: 49.26 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:105 Resp: 35483

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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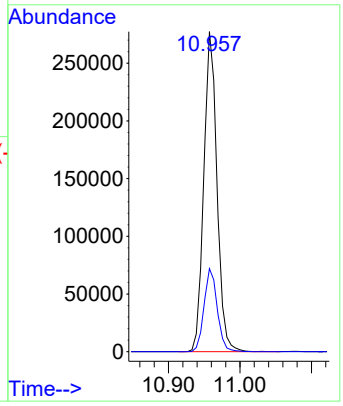
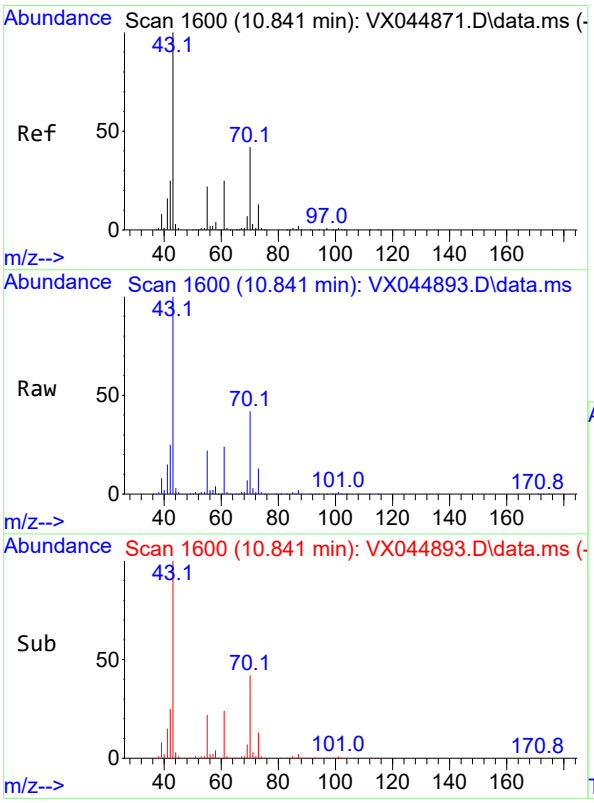
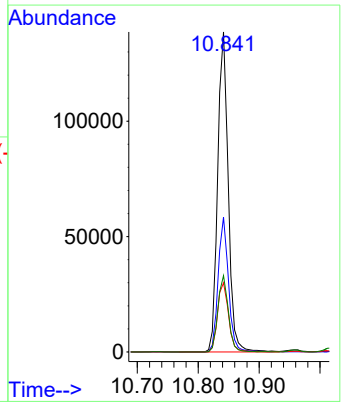


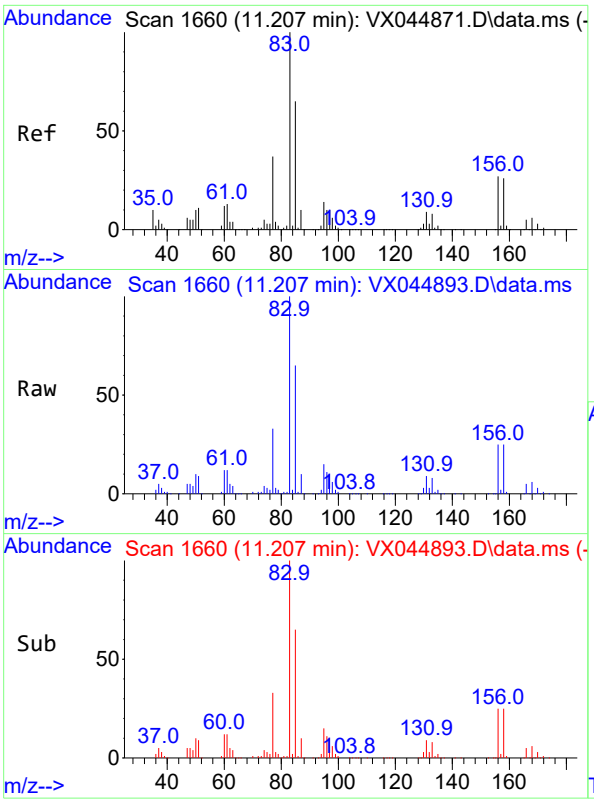


#74
N-amyl acetate
Concen: 51.00 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 166229

Ion	Ratio	Lower	Upper
43	100		
70	41.6	35.2	52.8
55	22.6	19.0	28.4
61	23.8	20.0	30.0





#75
1,1,2,2-Tetrachloroethane
Concen: 47.39 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 11730

Ion	Ratio	Lower	Upper
83	100		
131	8.9	5.0	14.9
85	64.7	32.0	96.2

Manual Integrations
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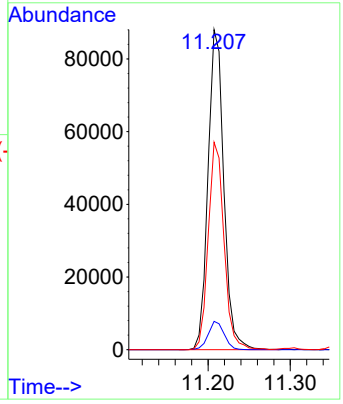
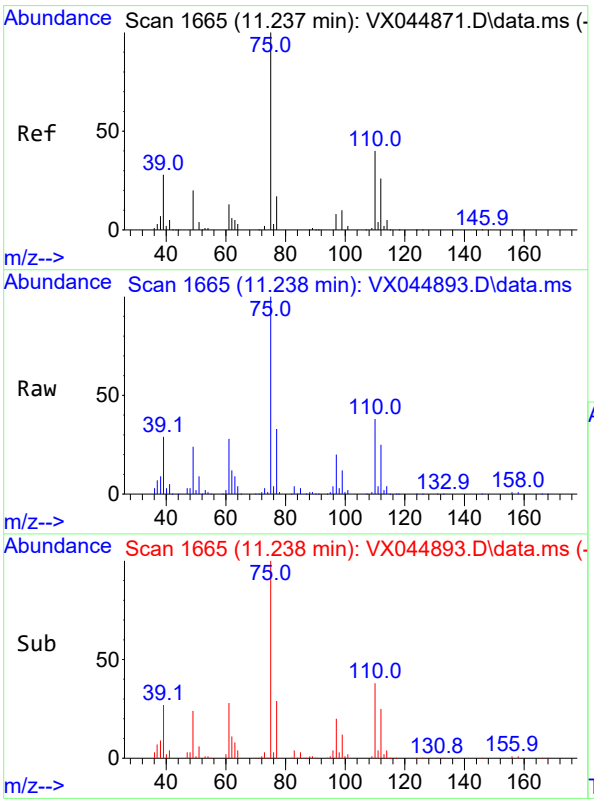
Supervised By :Mahesh Dadoda 02/12/2025

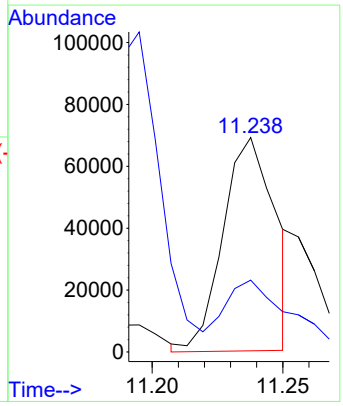


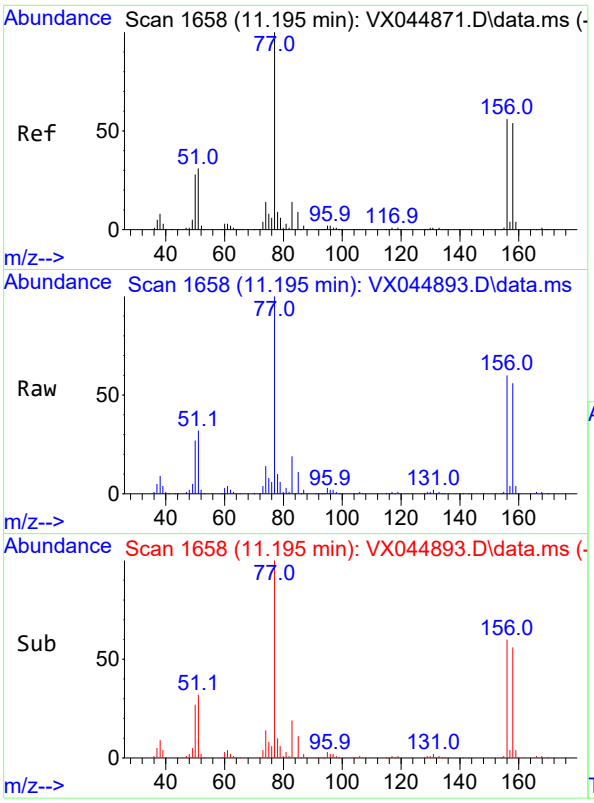


#76
1,2,3-Trichloropropane
Concen: 43.62 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 75 Resp: 96054

Ion	Ratio	Lower	Upper
75	100		
77	42.7	23.4	70.2





#77
Bromobenzene
Concen: 48.87 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

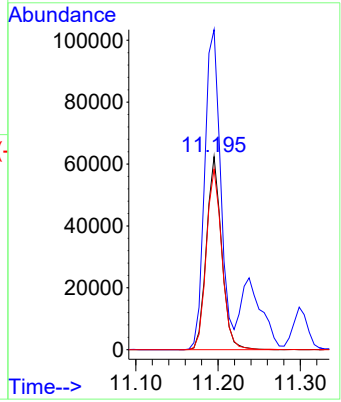
Tgt Ion:156 Resp: 7979

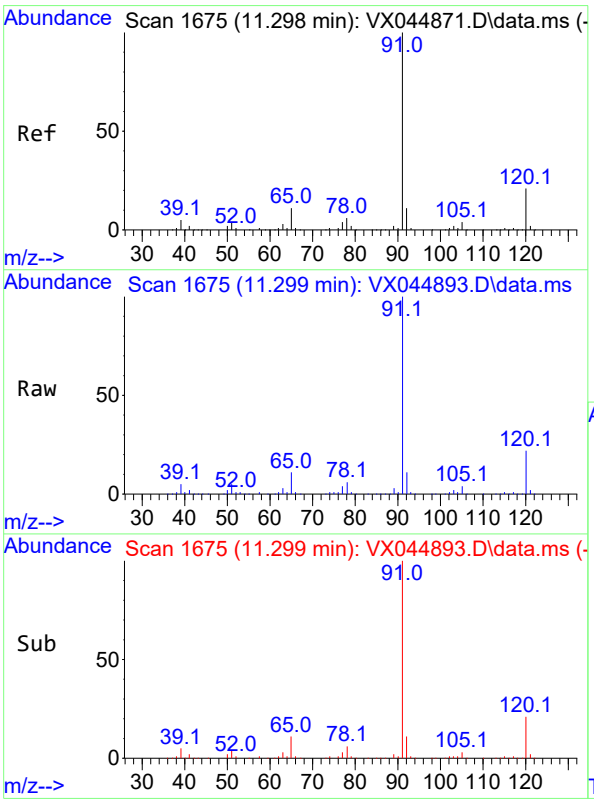
Ion	Ratio	Lower	Upper
156	100		
77	174.7	90.3	271.0
158	96.0	48.4	145.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

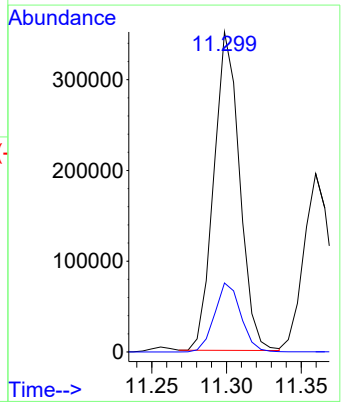


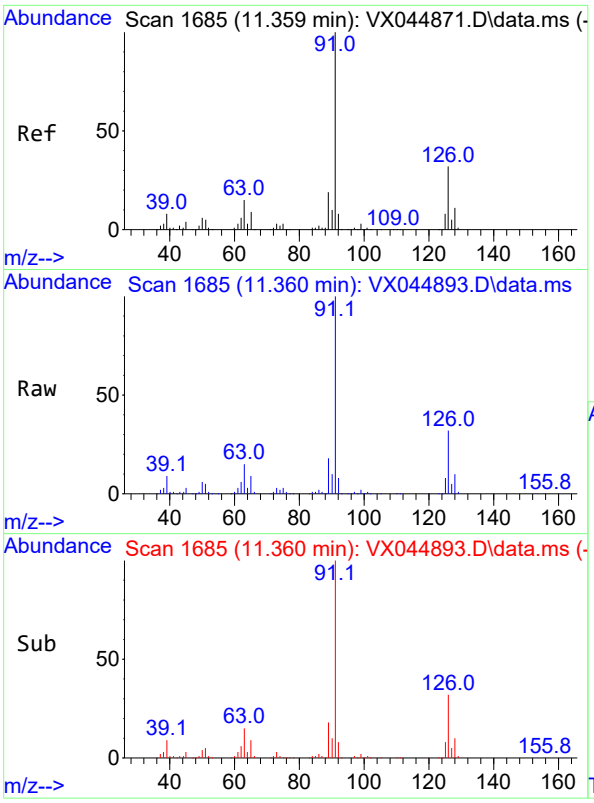


#78
n-propylbenzene
Concen: 50.57 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 91 Resp: 420391

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.4	34.1





#79
2-Chlorotoluene
Concen: 47.64 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

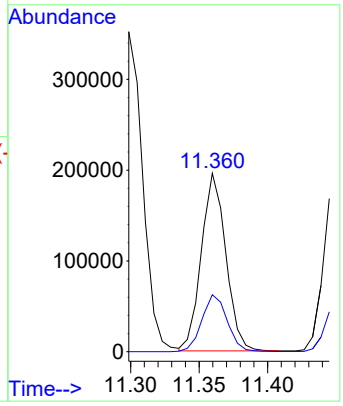
Tgt Ion: 91 Resp: 24343

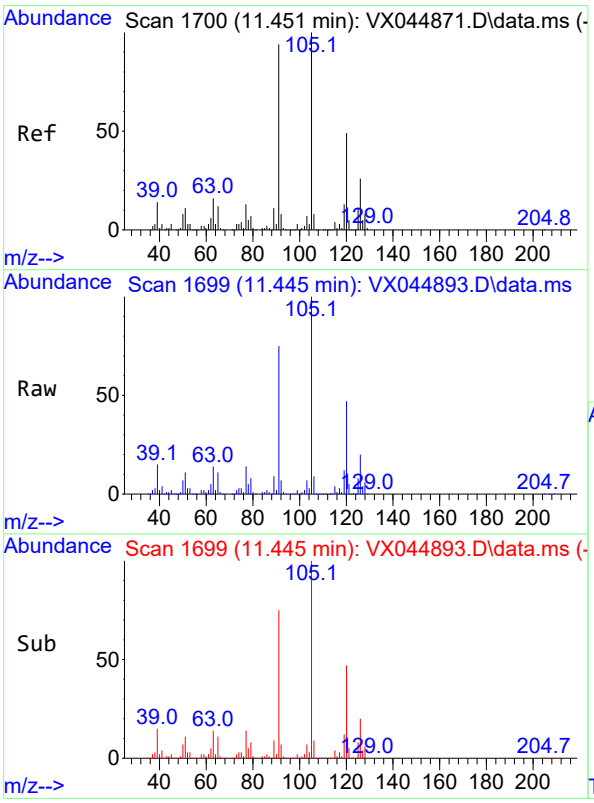
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.2	48.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

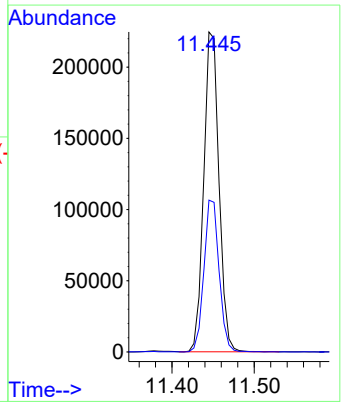


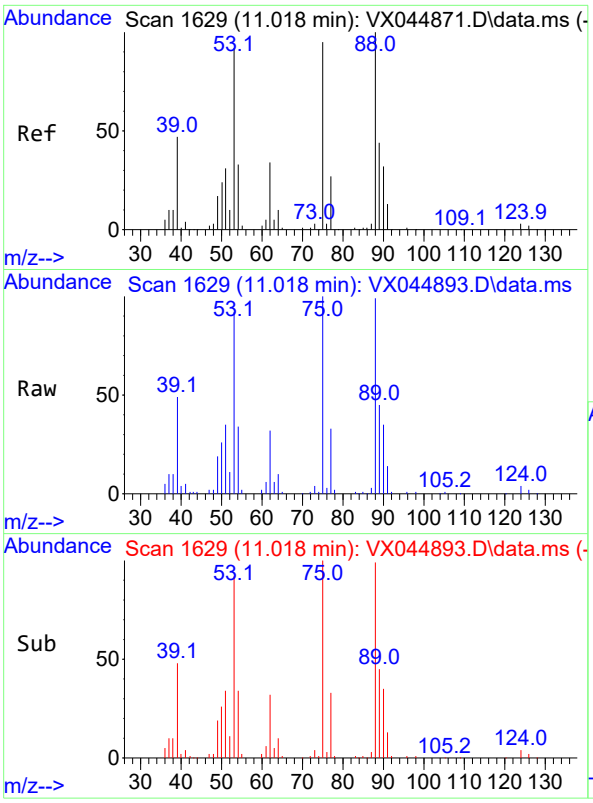


#80
1,3,5-Trimethylbenzene
Concen: 49.41 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:105 Resp: 288797

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 49.10 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

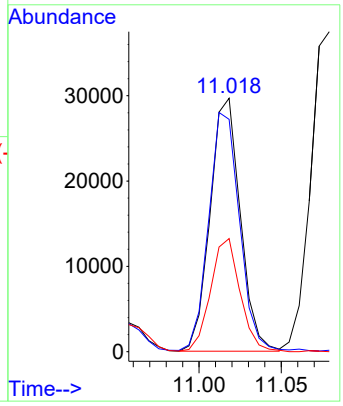
Tgt Ion: 75 Resp: 3785

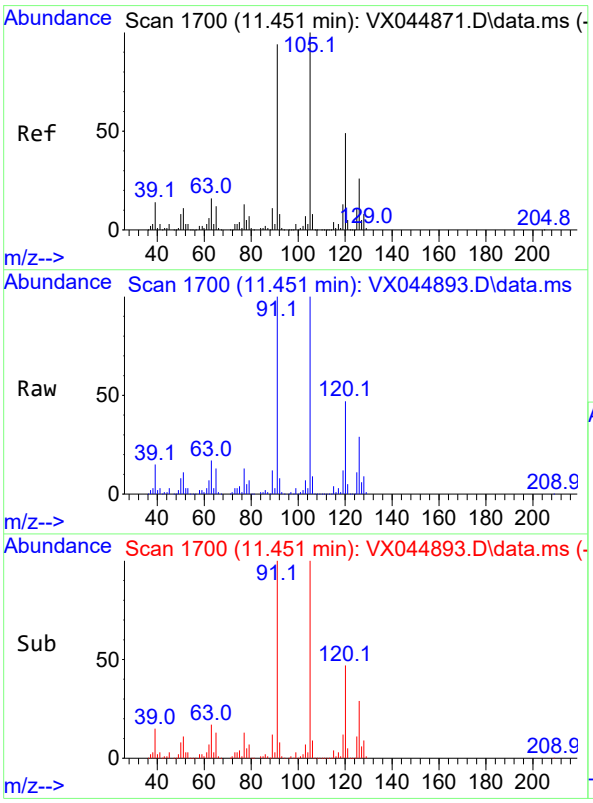
Ion	Ratio	Lower	Upper
75	100		
53	96.6	74.3	111.5
89	43.9	37.4	56.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

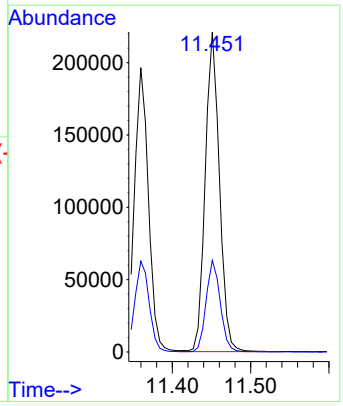


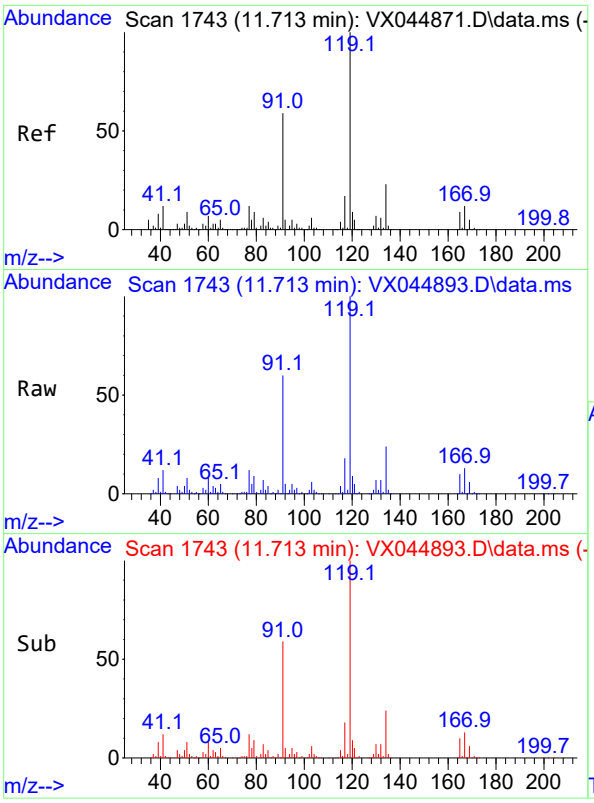


#82
4-Chlorotoluene
Concen: 49.03 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 91 Resp: 277142

Ion	Ratio	Lower	Upper
91	100		
126	28.7	13.9	41.7





#83
tert-Butylbenzene
Concen: 49.82 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

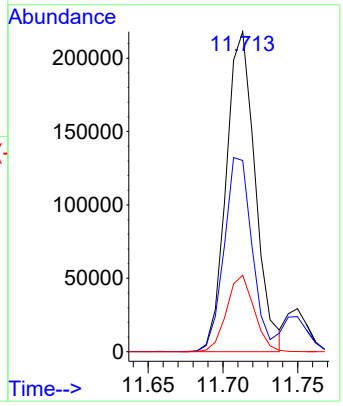
Tgt Ion:119 Resp: 29457

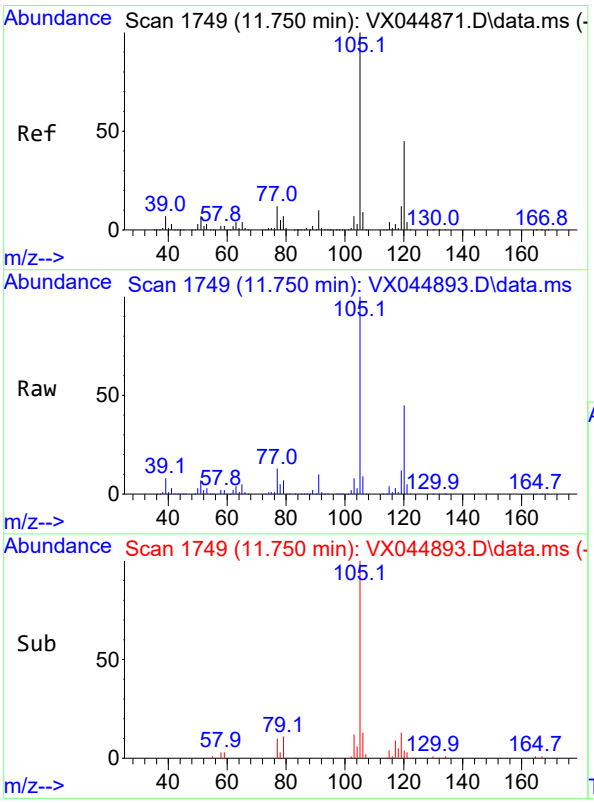
Ion	Ratio	Lower	Upper
119	100		
91	58.2	30.0	90.0
134	22.7	11.2	33.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

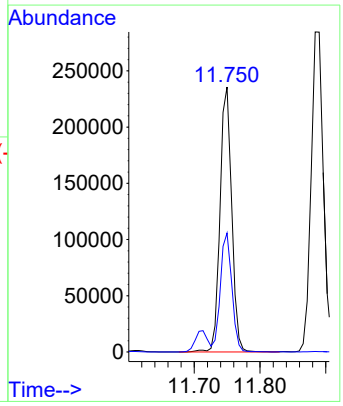


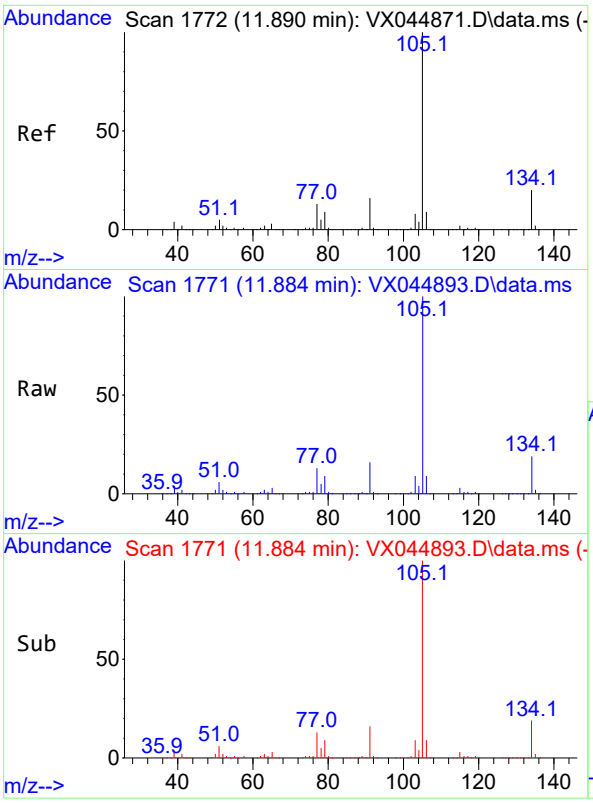


#84
1,2,4-Trimethylbenzene
Concen: 50.50 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:105 Resp: 291318

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.2	66.6





#85
sec-Butylbenzene
Concen: 50.35 ug/l
RT: 11.884 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

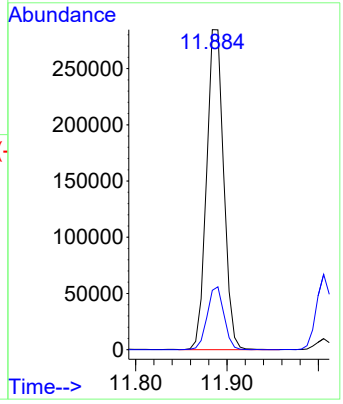
Tgt Ion:105 Resp: 36871

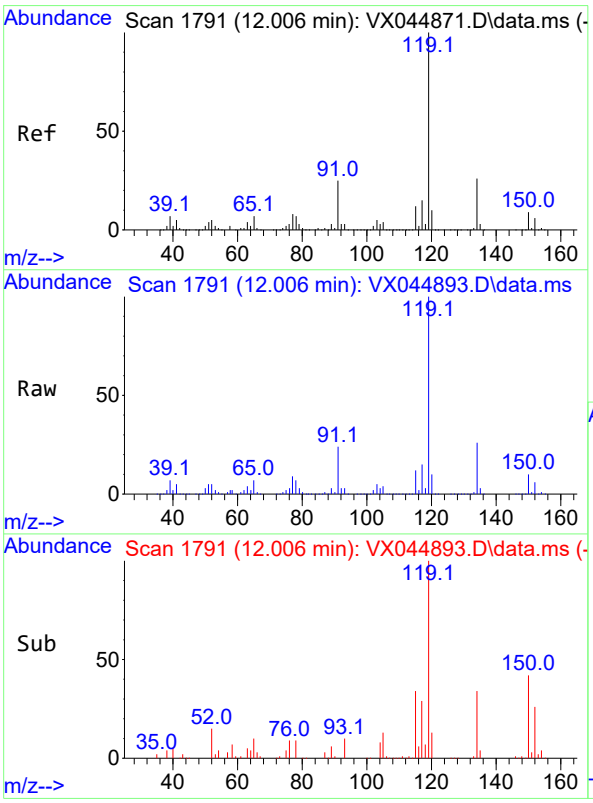
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

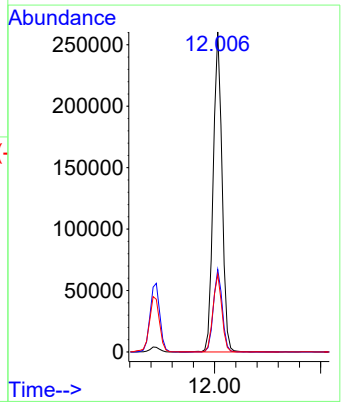


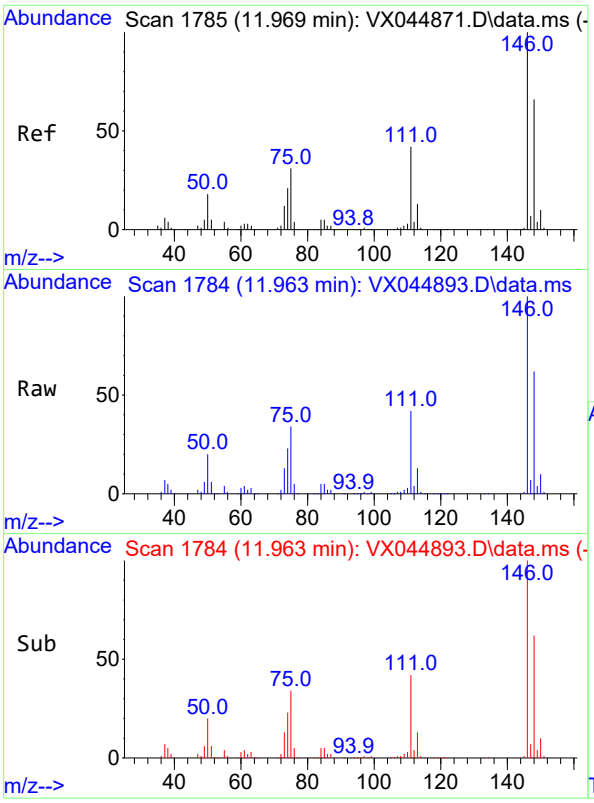


#86
p-Isopropyltoluene
Concen: 51.27 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:119 Resp: 301888

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.1	12.7	38.1





#87
1,3-Dichlorobenzene
Concen: 49.30 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

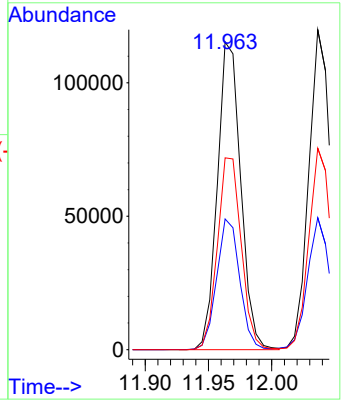
Tgt Ion:146 Resp: 14806

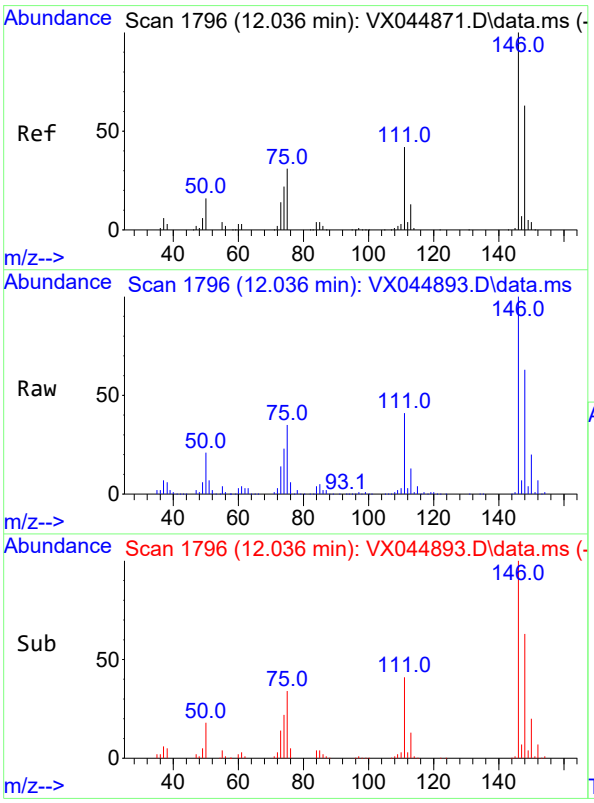
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.9	65.7
148	63.7	31.8	95.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

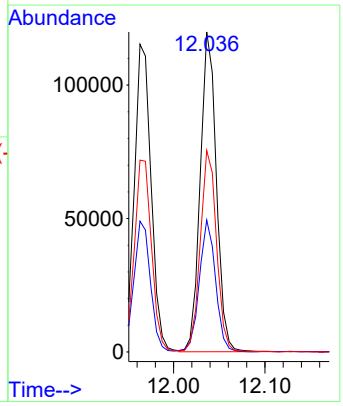


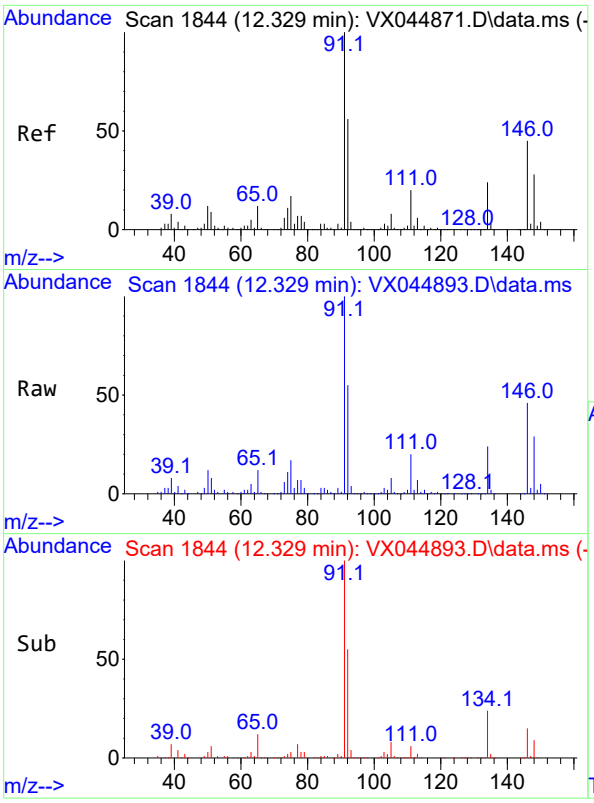


#88
1,4-Dichlorobenzene
Concen: 48.49 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:146 Resp: 146583

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.5	64.5
148	63.3	32.1	96.5





#89
n-Butylbenzene
Concen: 53.54 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

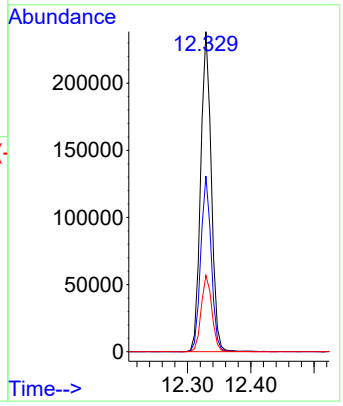
Tgt Ion: 91 Resp: 27891

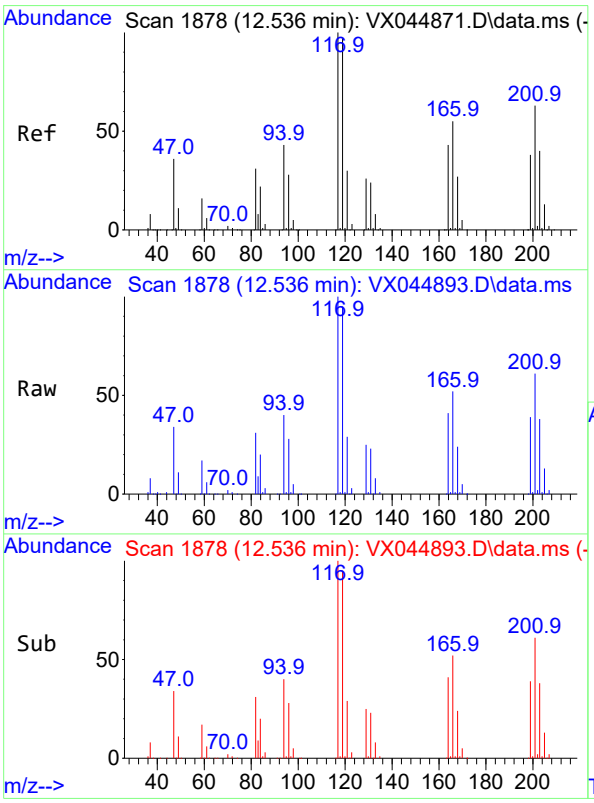
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.4	82.0
134	24.1	12.8	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

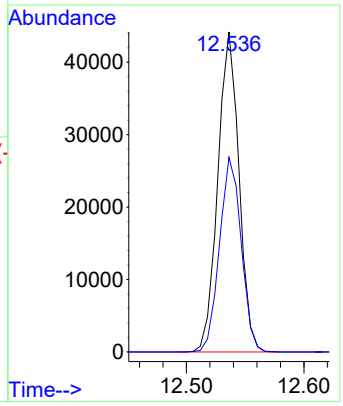


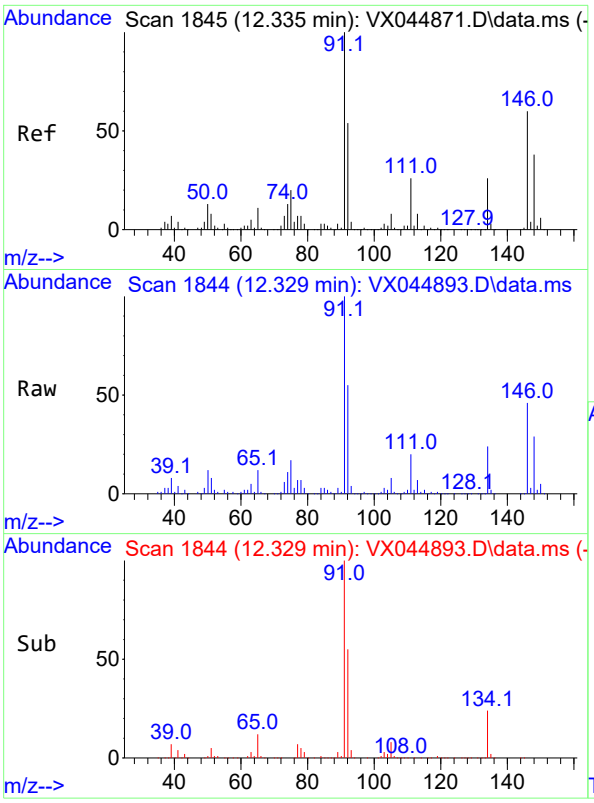


#90
Hexachloroethane
Concen: 50.13 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:117 Resp: 55271

Ion	Ratio	Lower	Upper
117	100		
201	62.5	32.3	96.8





#91
1,2-Dichlorobenzene
Concen: 48.95 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

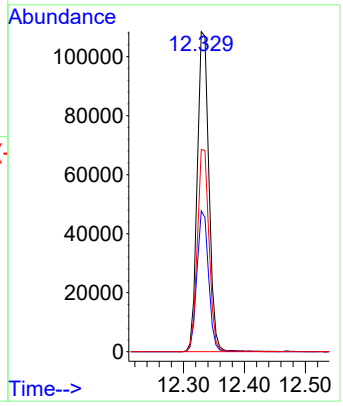
Tgt Ion:146 Resp: 14447

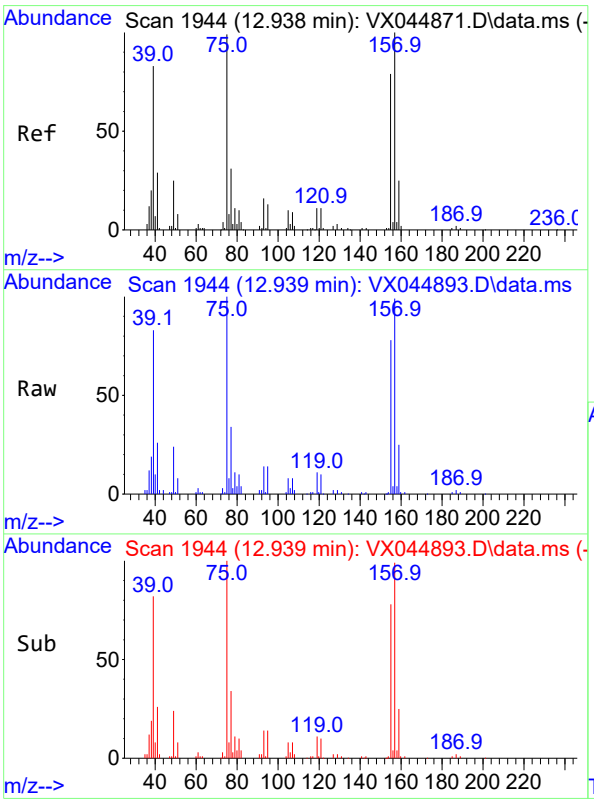
Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.4	67.2
148	63.1	31.6	94.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

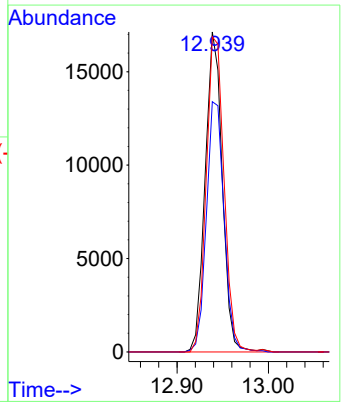


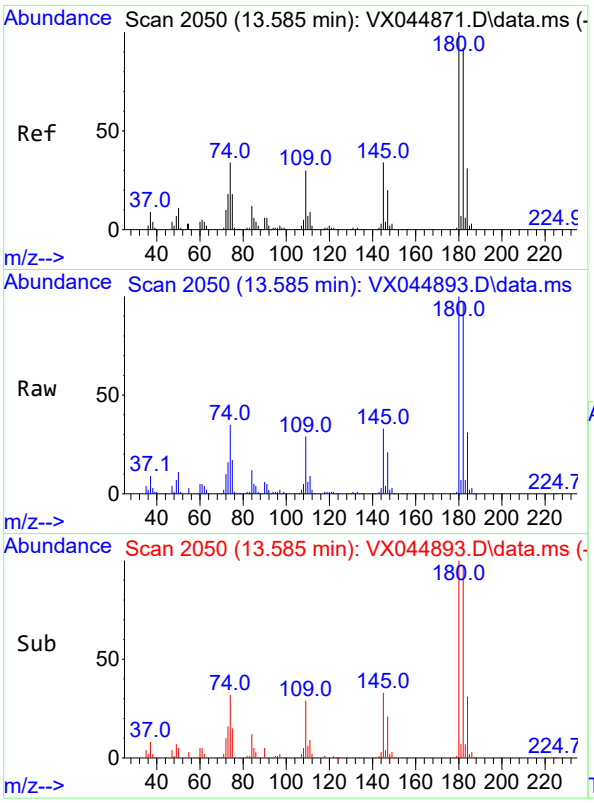


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.11 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 75 Resp: 22187

Ion	Ratio	Lower	Upper
75	100		
155	80.9	39.0	116.9
157	102.7	49.9	149.7





#93
1,2,4-Trichlorobenzene
Concen: 50.88 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

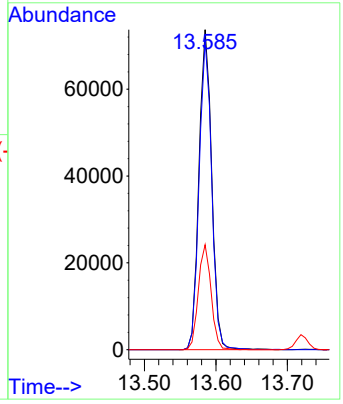
Tgt Ion:180 Resp: 9087(

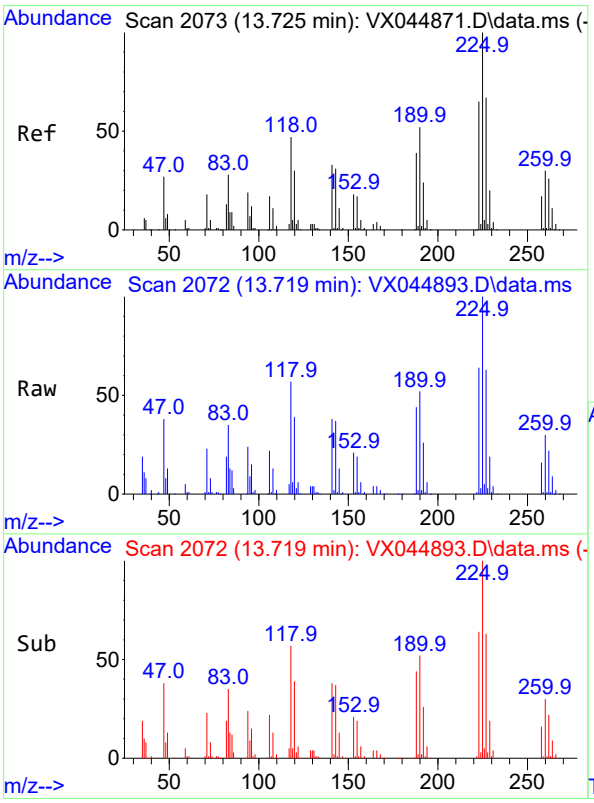
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.2
145	32.9	16.7	50.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

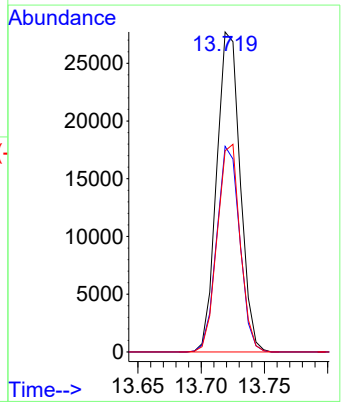


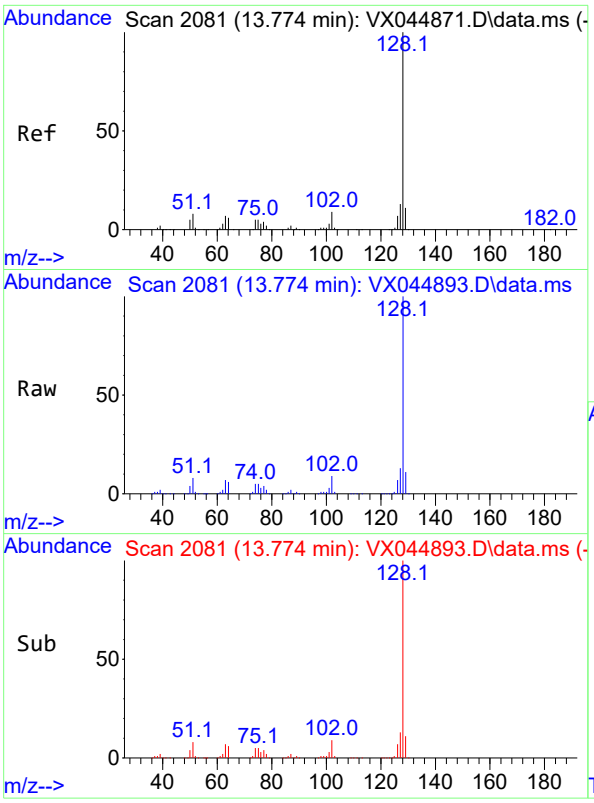


#94
Hexachlorobutadiene
Concen: 50.32 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:225 Resp: 35673

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.7
227	63.5	31.8	95.4





#95
Naphthalene
Concen: 50.42 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

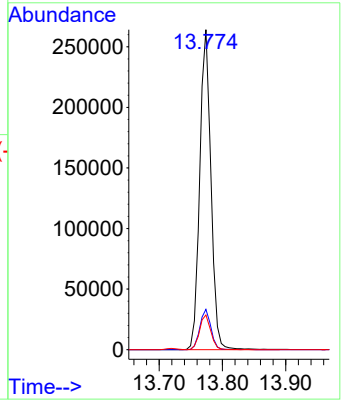
Tgt Ion:128 Resp: 32548

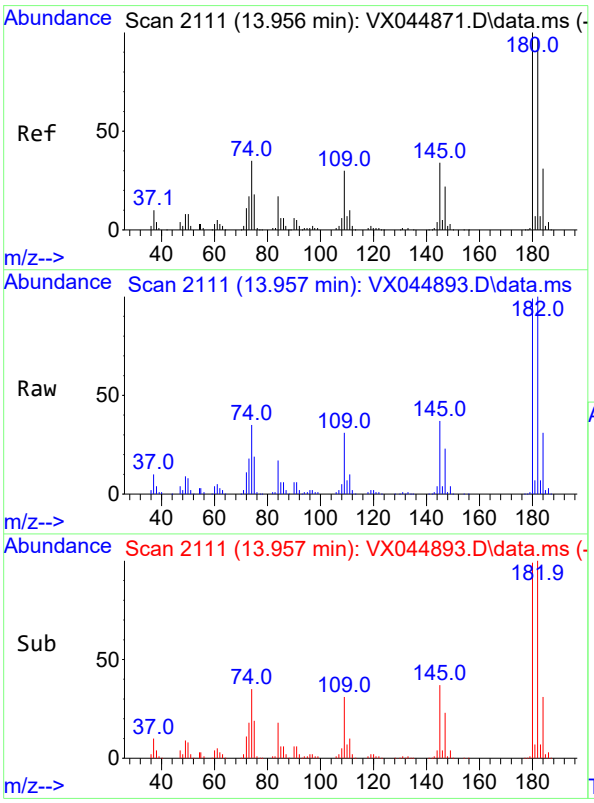
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

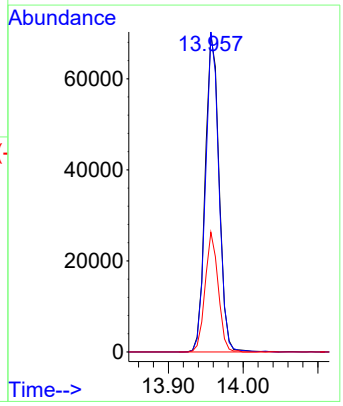




#96
1,2,3-Trichlorobenzene
Concen: 49.75 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:180 Resp: 89533

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.2	141.6
145	35.6	17.5	52.6



Evaluate Continuing Calibration Report

Sample Results: **VX044893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	0.701	0.665	5.1	93	0.00
3	P	Chloromethane	0.854	0.769	10.0	89	0.00
4	C	Vinyl Chloride	0.827	0.753	8.9#	91	0.00
5	T	Bromomethane	0.247	0.240	2.8	94	0.00
6	T	Chloroethane	0.307	0.329	-7.2	94	0.00
7	T	Trichlorofluoromethane	1.046	0.998	4.6	95	0.00
8	T	Diethyl Ether	0.379	0.384	-1.3	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.607	4.0	95	0.00
10	T	Methyl Iodide	0.819	0.794	3.1	92	0.00
11	T	Tert butyl alcohol	0.136	0.129	5.1	93	0.00
12	CM	1,1-Dichloroethene	0.644	0.595	7.6#	93	0.00
13	T	Acrolein	0.140	0.139	0.7	97	0.00
14	T	Allyl chloride	1.165	1.107	5.0	94	0.00
15	T	Acrylonitrile	0.363	0.348	4.1	90	0.00
16	T	Acetone	0.294	0.277	5.8	92	0.00
17	T	Carbon Disulfide	1.767	1.631	7.7	91	0.00
18	T	Methyl Acetate	0.928	0.885	4.6	92	0.00
19	T	Methyl tert-butyl Ether	2.050	2.002	2.3	96	0.00
20	T	Methylene Chloride	0.721	0.677	6.1	94	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.597	5.8	91	0.00
22	T	Diisopropyl ether	2.203	2.196	0.3	96	0.00
23	T	Vinyl Acetate	1.796	1.830	-1.9	96	0.00
24	P	1,1-Dichloroethane	1.233	1.179	4.4	94	0.00
25	T	2-Butanone	0.478	0.467	2.3	90	0.00
26	T	2,2-Dichloropropane	0.978	0.948	3.1	98	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.732	3.9	95	0.00
28	T	Bromochloromethane	0.593	0.503	15.2	84	0.00
29	T	Tetrahydrofuran	0.317	0.307	3.2	92	0.00
30	C	Chloroform	1.196	1.146	4.2#	96	0.00
31	T	Cyclohexane	1.137	1.078	5.2	94	0.00
32	T	1,1,1-Trichloroethane	1.014	0.966	4.7	94	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.712	2.7	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35	S	Dibromofluoromethane	0.325	0.323	0.6	96	0.00
36	T	1,1-Dichloropropene	0.469	0.450	4.1	92	0.00
37	T	Ethyl Acetate	0.522	0.511	2.1	92	0.00
38	T	Carbon Tetrachloride	0.460	0.449	2.4	94	0.00
39	T	Methylcyclohexane	0.606	0.637	-5.1	97	0.00
40	TM	Benzene	1.465	1.449	1.1	94	0.00
41	T	Methacrylonitrile	0.279	0.290	-3.9	91	0.00
42	TM	1,2-Dichloroethane	0.467	0.482	-3.2	97	0.00
43	T	Isopropyl Acetate	0.842	0.868	-3.1	94	0.00
44	TM	Trichloroethene	0.335	0.334	0.3	95	0.00
45	C	1,2-Dichloropropane	0.364	0.371	-1.9#	96	0.00
46	T	Dibromomethane	0.253	0.256	-1.2	95	0.00
47	T	Bromodichloromethane	0.489	0.514	-5.1	98	0.00
48	T	Methyl methacrylate	0.397	0.413	-4.0	93	0.00

Sample Results: **VX044893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	92	0.00
50	S	Toluene-d8	1.229	1.230	-0.1	94	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.530	-3.5	91	0.00
52	CM	Toluene	0.872	0.893	-2.4#	94	0.00
53	T	t-1,3-Dichloropropene	0.495	0.525	-6.1	97	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.586	-6.2	96	0.00
55	T	1,1,2-Trichloroethane	0.335	0.344	-2.7	96	0.00
56	T	Ethyl methacrylate	0.542	0.572	-5.5	94	0.00
57	T	1,3-Dichloropropane	0.587	0.601	-2.4	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.326	-22.6	108	0.00
59	T	2-Hexanone	0.369	0.384	-4.1	90	0.00
60	T	Dibromochloromethane	0.359	0.377	-5.0	96	0.00
61	T	1,2-Dibromoethane	0.340	0.350	-2.9	95	0.00
62	S	4-Bromofluorobenzene	0.414	0.426	-2.9	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.315	0.300	4.8	95	0.00
65	PM	Chlorobenzene	1.074	1.049	2.3	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.340	1.7	94	0.00
67	C	Ethyl Benzene	1.895	1.879	0.8#	95	0.00
68	T	m/p-Xylenes	0.699	0.699	0.0	95	0.00
69	T	o-Xylene	0.701	0.691	1.4	96	0.00
70	T	Styrene	1.130	1.147	-1.5	94	0.00
71	P	Bromoform	0.258	0.264	-2.3	92	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	4.026	3.967	1.5	95	0.00
74	T	N-amyl acetate	1.822	1.858	-2.0	94	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.311	5.2	93	0.00
76	T	1,2,3-Trichloropropane	1.109	1.073	3.2	94	0.00
77	T	Bromobenzene	0.913	0.892	2.3	94	0.00
78	T	n-propylbenzene	4.647	4.699	-1.1	96	0.00
79	T	2-Chlorotoluene	2.856	2.721	4.7	92	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.228	1.2	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.423	1.9	93	0.00
82	T	4-Chlorotoluene	3.160	3.098	2.0	94	0.00
83	T	tert-Butylbenzene	3.305	3.293	0.4	96	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.257	-1.0	94	0.00
85	T	sec-Butylbenzene	4.093	4.122	-0.7	96	0.00
86	T	p-Isopropyltoluene	3.291	3.375	-2.6	96	0.00
87	T	1,3-Dichlorobenzene	1.678	1.655	1.4	95	0.00
88	T	1,4-Dichlorobenzene	1.697	1.639	3.4	94	0.00
89	T	n-Butylbenzene	2.912	3.118	-7.1	97	0.00
90	T	Hexachloroethane	0.616	0.618	-0.3	97	0.00
91	T	1,2-Dichlorobenzene	1.650	1.615	2.1	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.248	1.6	93	0.00
93	T	1,2,4-Trichlorobenzene	0.998	1.016	-1.8	97	0.00
94	T	Hexachlorobutadiene	0.396	0.399	-0.8	101	0.00
95	T	Naphthalene	3.608	3.638	-0.8	94	0.00

Sample Results: **VX044893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.001	0.5	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	50.000	47.415	5.2	93	0.00
3	P	Chloromethane	50.000	45.059	9.9	89	0.00
4	C	Vinyl Chloride	50.000	45.534	8.9#	91	0.00
5	T	Bromomethane	50.000	48.444	3.1	94	0.00
6	T	Chloroethane	50.000	51.506	-3.0	94	0.00
7	T	Trichlorofluoromethane	50.000	47.717	4.6	95	0.00
8	T	Diethyl Ether	50.000	50.688	-1.4	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.009	4.0	95	0.00
10	T	Methyl Iodide	50.000	48.499	3.0	92	0.00
11	T	Tert butyl alcohol	250.000	238.084	4.8	93	0.00
12	CM	1,1-Dichloroethene	50.000	46.197	7.6#	93	0.00
13	T	Acrolein	250.000	248.698	0.5	97	0.00
14	T	Allyl chloride	50.000	47.506	5.0	94	0.00
15	T	Acrylonitrile	250.000	240.274	3.9	90	0.00
16	T	Acetone	250.000	235.052	6.0	92	0.00
17	T	Carbon Disulfide	50.000	46.155	7.7	91	0.00
18	T	Methyl Acetate	50.000	47.651	4.7	92	0.00
19	T	Methyl tert-butyl Ether	50.000	48.819	2.4	96	0.00
20	T	Methylene Chloride	50.000	46.958	6.1	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.048	5.9	91	0.00
22	T	Diisopropyl ether	50.000	49.830	0.3	96	0.00
23	T	Vinyl Acetate	250.000	254.643	-1.9	96	0.00
24	P	1,1-Dichloroethane	50.000	47.814	4.4	94	0.00
25	T	2-Butanone	250.000	244.126	2.3	90	0.00
26	T	2,2-Dichloropropane	50.000	48.476	3.0	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.054	3.9	95	0.00
28	T	Bromochloromethane	50.000	42.406	15.2	84	0.00
29	T	Tetrahydrofuran	250.000	242.178	3.1	92	0.00
30	C	Chloroform	50.000	47.919	4.2#	96	0.00
31	T	Cyclohexane	50.000	47.412	5.2	94	0.00
32	T	1,1,1-Trichloroethane	50.000	47.601	4.8	94	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.640	2.7	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35	S	Dibromofluoromethane	50.000	49.705	0.6	96	0.00
36	T	1,1-Dichloropropene	50.000	47.950	4.1	92	0.00
37	T	Ethyl Acetate	50.000	48.977	2.0	92	0.00
38	T	Carbon Tetrachloride	50.000	48.890	2.2	94	0.00
39	T	Methylcyclohexane	50.000	52.500	-5.0	97	0.00
40	TM	Benzene	50.000	49.466	1.1	94	0.00
41	T	Methacrylonitrile	50.000	51.920	-3.8	91	0.00
42	TM	1,2-Dichloroethane	50.000	51.582	-3.2	97	0.00
43	T	Isopropyl Acetate	50.000	51.503	-3.0	94	0.00
44	TM	Trichloroethene	50.000	49.838	0.3	95	0.00
45	C	1,2-Dichloropropane	50.000	50.862	-1.7#	96	0.00
46	T	Dibromomethane	50.000	50.583	-1.2	95	0.00
47	T	Bromodichloromethane	50.000	52.576	-5.2	98	0.00
48	T	Methyl methacrylate	50.000	52.037	-4.1	93	0.00

Sample Results: **VX044893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1023.303	-2.3	92	0.00
50	S	Toluene-d8	50.000	50.049	-0.1	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	258.917	-3.6	91	0.00
52	CM	Toluene	50.000	51.182	-2.4#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	53.069	-6.1	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.044	-6.1	96	0.00
55	T	1,1,2-Trichloroethane	50.000	51.281	-2.6	96	0.00
56	T	Ethyl methacrylate	50.000	52.771	-5.5	94	0.00
57	T	1,3-Dichloropropane	50.000	51.191	-2.4	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	306.841	-22.7	108	0.00
59	T	2-Hexanone	250.000	259.830	-3.9	90	0.00
60	T	Dibromochloromethane	50.000	52.573	-5.1	96	0.00
61	T	1,2-Dibromoethane	50.000	51.469	-2.9	95	0.00
62	S	4-Bromofluorobenzene	50.000	51.425	-2.8	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	47.492	5.0	95	0.00
65	PM	Chlorobenzene	50.000	48.859	2.3	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.166	1.7	94	0.00
67	C	Ethyl Benzene	50.000	49.568	0.9#	95	0.00
68	T	m/p-Xylenes	100.000	99.986	0.0	95	0.00
69	T	o-Xylene	50.000	49.270	1.5	96	0.00
70	T	Styrene	50.000	50.735	-1.5	94	0.00
71	P	Bromoform	50.000	51.218	-2.4	92	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	49.263	1.5	95	0.00
74	T	N-amyl acetate	50.000	51.000	-2.0	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.393	5.2	93	0.00
76	T	1,2,3-Trichloropropane	50.000	48.390	3.2	94	0.00
77	T	Bromobenzene	50.000	48.866	2.3	94	0.00
78	T	n-propylbenzene	50.000	50.565	-1.1	96	0.00
79	T	2-Chlorotoluene	50.000	47.642	4.7	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.408	1.2	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.096	1.8	93	0.00
82	T	4-Chlorotoluene	50.000	49.026	1.9	94	0.00
83	T	tert-Butylbenzene	50.000	49.817	0.4	96	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.496	-1.0	94	0.00
85	T	sec-Butylbenzene	50.000	50.355	-0.7	96	0.00
86	T	p-Isopropyltoluene	50.000	51.268	-2.5	96	0.00
87	T	1,3-Dichlorobenzene	50.000	49.304	1.4	95	0.00
88	T	1,4-Dichlorobenzene	50.000	48.277	3.4	94	0.00
89	T	n-Butylbenzene	50.000	53.540	-7.1	97	0.00
90	T	Hexachloroethane	50.000	50.129	-0.3	97	0.00
91	T	1,2-Dichlorobenzene	50.000	48.952	2.1	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.115	1.8	93	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.885	-1.8	97	0.00
94	T	Hexachlorobutadiene	50.000	50.316	-0.6	101	0.00
95	T	Naphthalene	50.000	50.417	-0.8	94	0.00

Sample Results: **VX044893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.753	0.5	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044918.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1283 SAS No.: Q1283 SDG No.: Q1283

Instrument ID: MSVOA_X Calibration Date/Time: 02/11/2025 19:50

Lab File ID: VX044918.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.854	0.814	0.1	-4.68	50
Vinyl Chloride	0.827	0.810		-2.06	50
Bromomethane	0.247	0.249		0.81	50
Chloroethane	0.307	0.270		-12.05	50
Trichlorofluoromethane	1.046	1.025		-2.01	50
1,1,2-Trichlorotrifluoroethane	0.632	0.619		-2.06	50
1,1-Dichloroethene	0.644	0.623		-3.26	50
Acetone	0.294	0.305		3.74	50
Carbon Disulfide	1.767	1.618		-8.43	50
Methyl tert-butyl Ether	2.050	2.032		-0.88	50
Methylene Chloride	0.721	0.705		-2.22	50
trans-1,2-Dichloroethene	0.634	0.630		-0.63	50
1,1-Dichloroethane	1.233	1.221	0.1	-0.97	50
2-Butanone	0.478	0.501		4.81	50
Carbon Tetrachloride	0.460	0.434		-5.65	50
cis-1,2-Dichloroethene	0.762	0.753		-1.18	50
Chloroform	1.196	1.191		-0.42	50
1,1,1-Trichloroethane	1.014	0.996		-1.77	50
Methylcyclohexane	0.606	0.593		-2.14	50
Benzene	1.465	1.452		-0.89	50
1,2-Dichloroethane	0.467	0.479		2.57	50
Trichloroethene	0.335	0.327		-2.39	50
1,2-Dichloropropane	0.364	0.360		-1.1	50
Bromodichloromethane	0.489	0.494		1.02	50
4-Methyl-2-Pentanone	0.512	0.538		5.08	50
Toluene	0.872	0.876		0.46	50
t-1,3-Dichloropropene	0.495	0.479		-3.23	50
cis-1,3-Dichloropropene	0.552	0.542		-1.81	50
1,1,2-Trichloroethane	0.335	0.336		0.3	50
2-Hexanone	0.369	0.396		7.32	50
Dibromochloromethane	0.359	0.359		0	50
Tetrachloroethene	0.315	0.295		-6.35	50
Chlorobenzene	1.074	1.035	0.3	-3.63	50
Ethyl Benzene	1.895	1.868		-1.42	50
m/p-Xylenes	0.699	0.685		-2	50
o-Xylene	0.701	0.680		-3	50
Styrene	1.130	1.139		0.8	50
Bromoform	0.258	0.253	0.1	-1.94	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX044918.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1283 SAS No.: Q1283 SDG No.: Q1283

Instrument ID: MSVOA_X Calibration Date/Time: 02/11/2025 19:50

Lab File ID: VX044918.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	$\overline{RRF}$	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.026	4.019		-0.17	50
1,1,2,2-Tetrachloroethane	1.383	1.357	0.3	-1.88	50
1,3-Dichlorobenzene	1.678	1.635		-2.56	50
1,4-Dichlorobenzene	1.697	1.629		-4.01	50
1,2-Dichlorobenzene	1.650	1.651		0.06	50
1,2-Dichloroethane-d4	0.732	0.764		4.37	50
Dibromofluoromethane	0.325	0.335		3.08	50
Toluene-d8	1.229	1.258		2.36	50
4-Bromofluorobenzene	0.414	0.434		4.83	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Quantitation Report (QT Reviewed)

Sample Results: **VX044918.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	114065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	208728	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	185334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87095	52.162	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.320%			
35) Dibromofluoromethane	5.379	113	69917	51.520	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.040%			
50) Toluene-d8	8.647	98	262476	51.148	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	11.079	95	90574	52.355	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	79061	49.419	ug/l	99
3) Chloromethane	1.301	50	92827	47.674	ug/l	96
4) Vinyl Chloride	1.374	62	92352	48.959	ug/l	100
5) Bromomethane	1.593	94	28374	50.267	ug/l	95
6) Chloroethane	1.660	64	30841	40.693	ug/l	100
7) Trichlorofluoromethane	1.868	101	116867	48.991	ug/l	100
8) Diethyl Ether	2.136	74	42851	49.531	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	70557	48.954	ug/l	99
10) Methyl Iodide	2.441	142	95185	50.957	ug/l	100
11) Tert butyl alcohol	2.995	59	77516	250.247	ug/l #	84
12) 1,1-Dichloroethene	2.307	96	71063	48.335	ug/l	95
13) Acrolein	2.233	56	84172	263.373	ug/l	99
14) Allyl chloride	2.654	41	125975	47.412	ug/l	98
15) Acrylonitrile	3.062	53	210792	254.873	ug/l	98
16) Acetone	2.386	43	173889	259.058	ug/l	99
17) Carbon Disulfide	2.502	76	184565	45.780	ug/l	100
18) Methyl Acetate	2.703	43	109515	51.703	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	231822	49.559	ug/l	100
20) Methylene Chloride	2.782	84	80471	48.945	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	71823	49.636	ug/l	99
22) Diisopropyl ether	3.757	45	255564	50.840	ug/l	96
23) Vinyl Acetate	3.715	43	1043434	254.613	ug/l	100
24) 1,1-Dichloroethane	3.605	63	139303	49.527	ug/l	99
25) 2-Butanone	4.556	43	285853	262.259	ug/l	97
26) 2,2-Dichloropropane	4.471	77	91644	41.086	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	85866	49.402	ug/l	98
28) Bromochloromethane	4.885	49	60252	44.575	ug/l	98
29) Tetrahydrofuran	5.001	42	188839	260.913	ug/l	99
30) Chloroform	5.087	83	135857	49.806	ug/l	97
31) Cyclohexane	5.464	56	122435	47.217	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	113617	49.107	ug/l	99
36) 1,1-Dichloropropene	5.684	75	91970	46.974	ug/l	98
37) Ethyl Acetate	4.709	43	110417	50.702	ug/l	100
38) Carbon Tetrachloride	5.666	117	90581	47.211	ug/l	98
39) Methylcyclohexane	7.373	83	123769	48.896	ug/l	97
40) Benzene	6.031	78	303089	49.575	ug/l	100

Sample Results: **VX044918.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	62585	53.690 ug/l	99
42) 1,2-Dichloroethane	6.080	62	99909	51.275 ug/l	100
43) Isopropyl Acetate	6.336	43	177546	50.486 ug/l	99
44) Trichloroethene	7.123	130	68162	48.777 ug/l	98
45) 1,2-Dichloropropane	7.428	63	75229	49.460 ug/l	99
46) Dibromomethane	7.574	93	53323	50.552 ug/l	99
47) Bromodichloromethane	7.818	83	103091	50.475 ug/l	97
48) Methyl methacrylate	7.690	41	86162	51.962 ug/l	99
49) 1,4-Dioxane	7.665	88	37602	1056.949 ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	561087	262.440 ug/l	99
52) Toluene	8.714	92	182775	50.199 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	99925	48.347 ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	113036	49.051 ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	70192	50.149 ug/l	98
56) Ethyl methacrylate	9.116	69	115029	50.884 ug/l	98
57) 1,3-Dichloropropane	9.305	76	123396	50.387 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	291354	262.486 ug/l	99
59) 2-Hexanone	9.427	43	413528	268.451 ug/l	98
60) Dibromochloromethane	9.519	129	74939	50.063 ug/l	98
61) 1,2-Dibromoethane	9.604	107	72417	51.047 ug/l	98
64) Tetrachloroethene	9.269	164	54627	46.738 ug/l	95
65) Chlorobenzene	10.079	112	191785	48.179 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	61604	48.081 ug/l	100
67) Ethyl Benzene	10.189	91	346217	49.286 ug/l	99
68) m/p-Xylenes	10.299	106	253750	97.924 ug/l	97
69) o-Xylene	10.640	106	126016	48.465 ug/l	98
70) Styrene	10.653	104	211083	50.389 ug/l	99
71) Bromoform	10.799	173	46897	49.045 ug/l #	100
73) Isopropylbenzene	10.957	105	325195	49.916 ug/l	100
74) N-amyl acetate	10.842	43	151270	51.312 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	109803	49.048 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	89430m	49.852 ug/l	
77) Bromobenzene	11.195	156	73059	49.464 ug/l	99
78) n-propylbenzene	11.299	91	379500	50.468 ug/l	100
79) 2-Chlorotoluene	11.360	91	223727	48.410 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	267127	50.528 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31501	45.171 ug/l	96
82) 4-Chlorotoluene	11.451	91	257507	50.364 ug/l	100
83) tert-Butylbenzene	11.713	119	265793	49.697 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	266991	51.168 ug/l	100
85) sec-Butylbenzene	11.890	105	334004	50.433 ug/l	100
86) p-Isopropyltoluene	12.006	119	269485	50.599 ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	132254	48.692 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	131837	48.007 ug/l	99
89) n-Butylbenzene	12.329	91	242069	51.376 ug/l	99
90) Hexachloroethane	12.536	117	47525	47.657 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	133599	50.047 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20660	50.565 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	79706	49.345 ug/l	99
94) Hexachlorobutadiene	13.725	225	30093	46.929 ug/l	99
95) Naphthalene	13.774	128	299256	51.251 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	80826	49.658 ug/l	98

Sample Results: **VX044918.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

Quantitation Report (QT Reviewed)

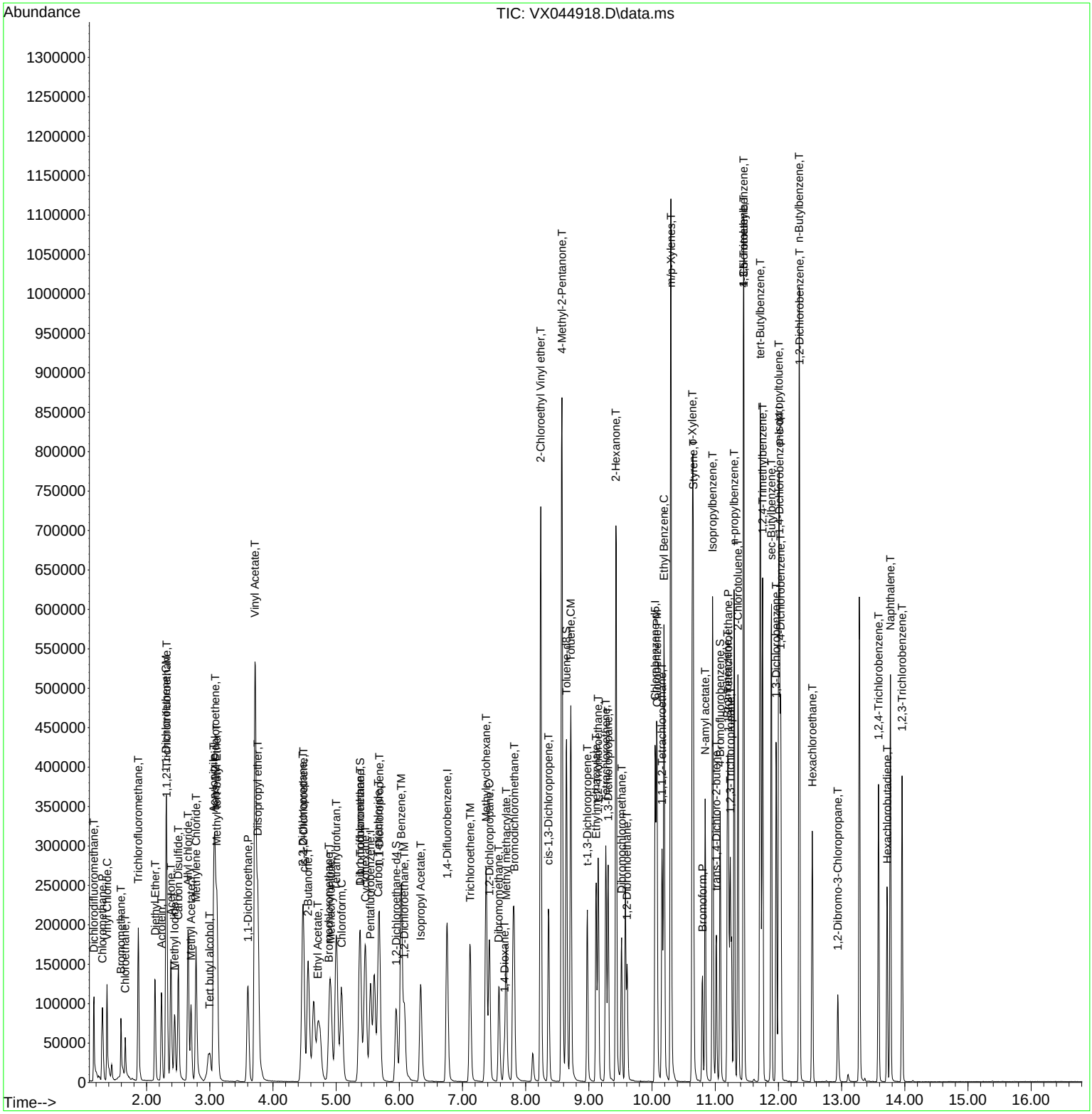
Sample Results: **VX044918.D**

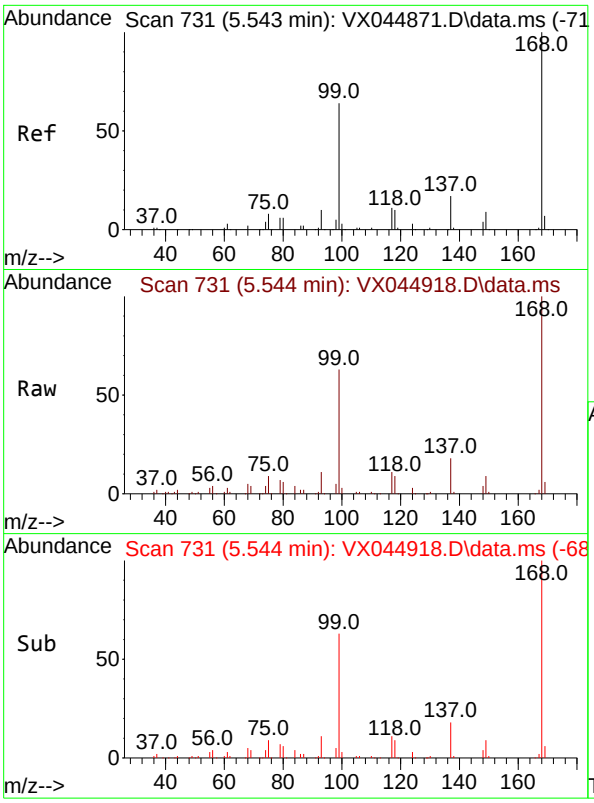
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

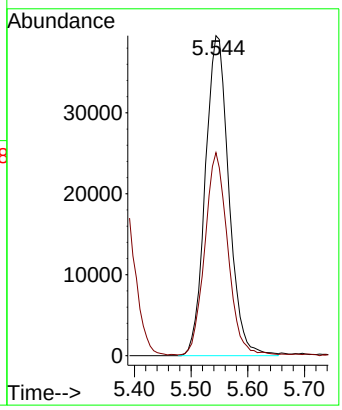
Tgt Ion:168 Resp: 11406

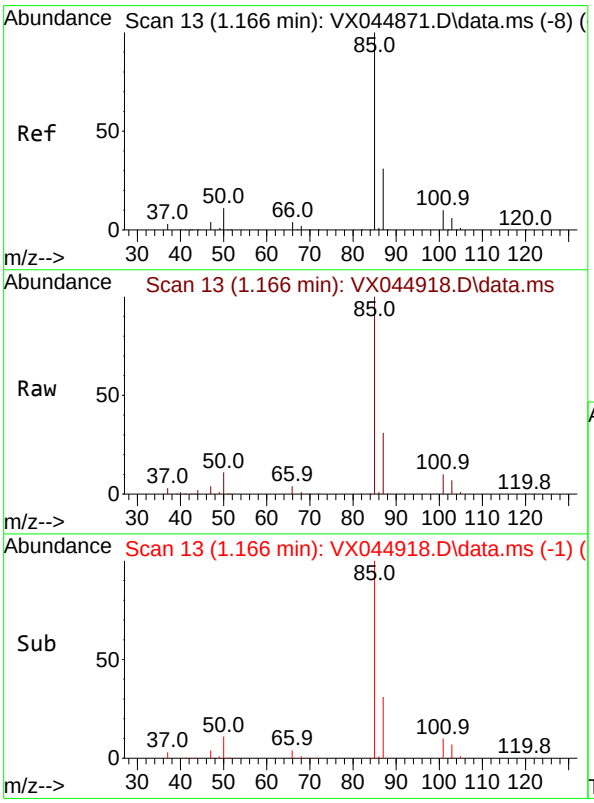
Ion	Ratio	Lower	Upper
168	100		
99	63.2	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

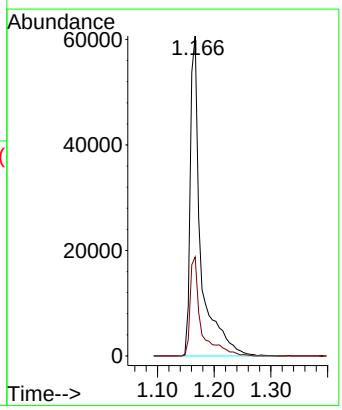


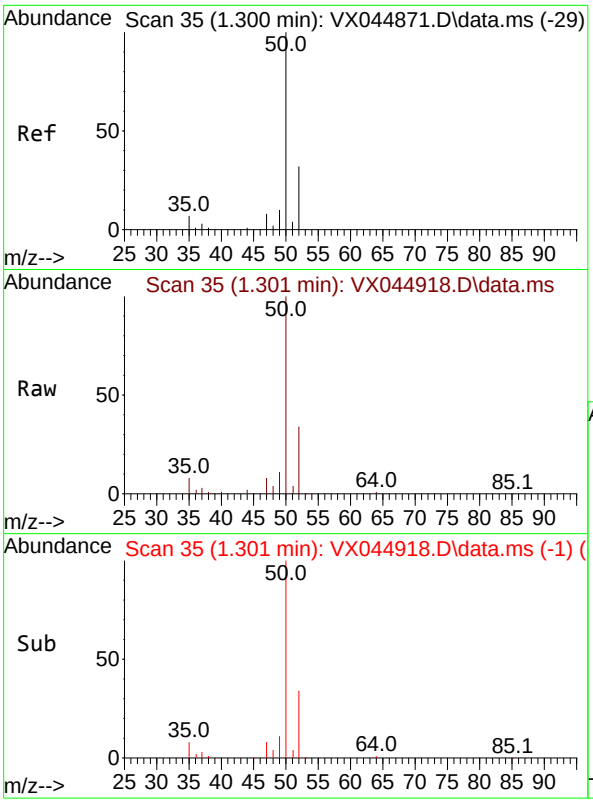


#2
Dichlorodifluoromethane
Concen: 49.419 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 85 Resp: 79061

Ion	Ratio	Lower	Upper
85	100		
87	31.0	15.8	47.3





#3
Chloromethane
Concen: 47.674 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

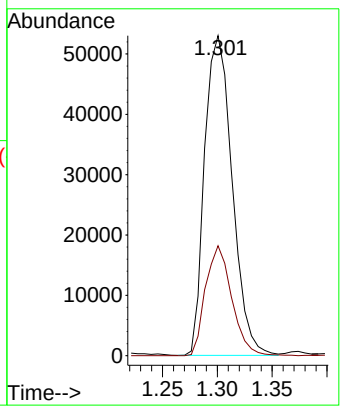
Tgt Ion: 50 Resp: 9282

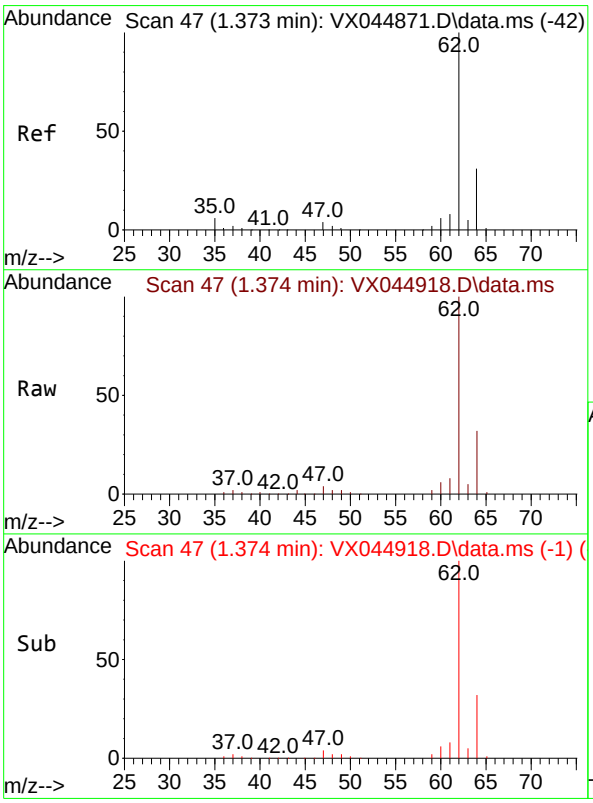
Ion	Ratio	Lower	Upper
50	100		
52	34.4	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

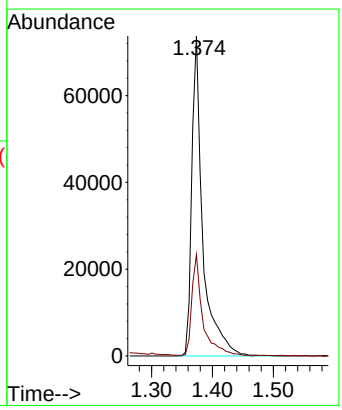


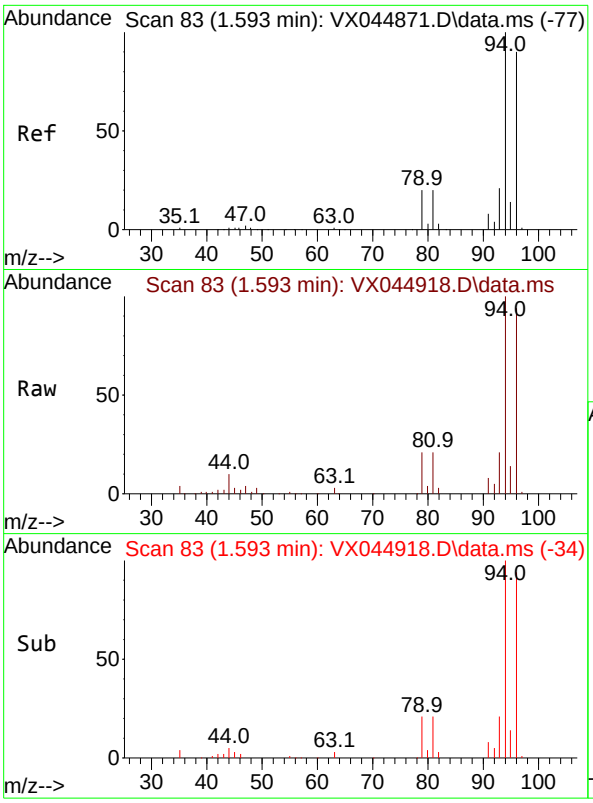


#4
Vinyl Chloride
Concen: 48.959 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 62 Resp: 92352

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.4	38.0





#5
Bromomethane
Concen: 50.267 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

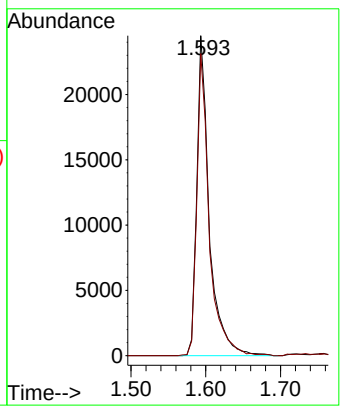
Tgt Ion: 94 Resp: 2837

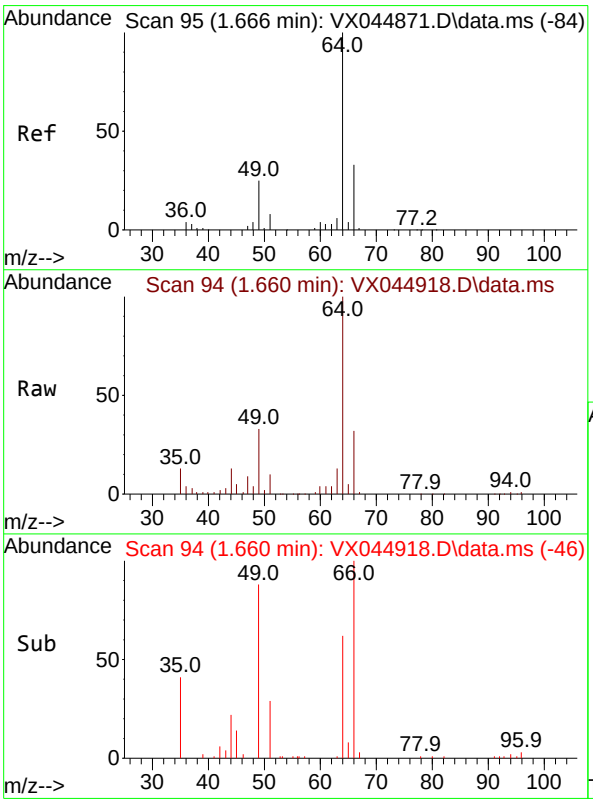
Ion	Ratio	Lower	Upper
94	100		
96	94.4	71.6	107.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

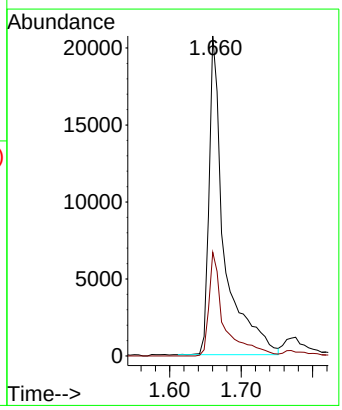


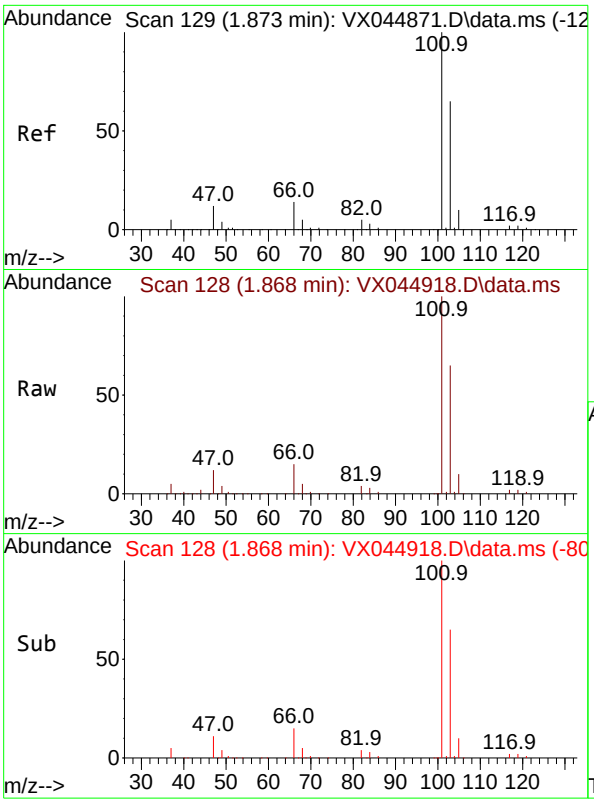


#6
Chloroethane
Concen: 40.693 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 64 Resp: 30841

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.9	38.9





#7
Trichlorofluoromethane
Concen: 48.991 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.005 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

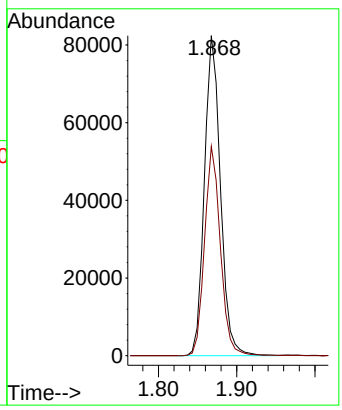
Tgt Ion:101 Resp: 11686

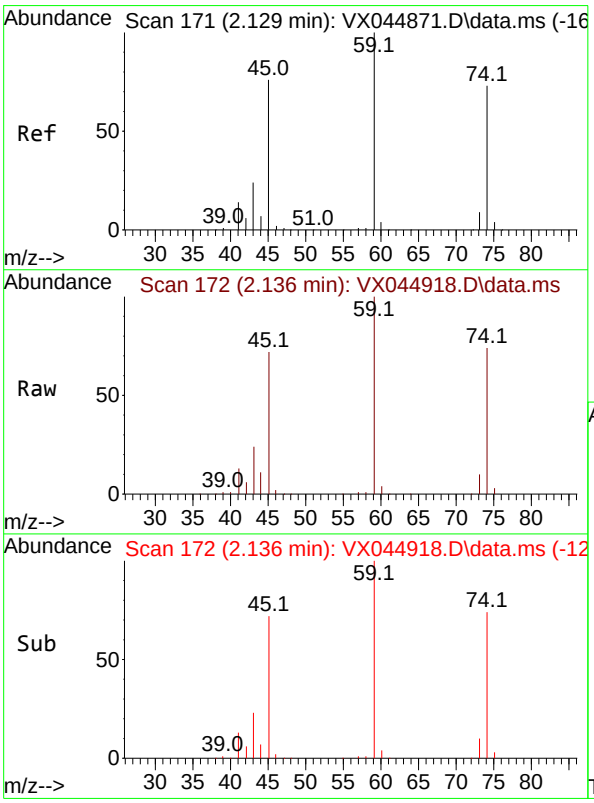
Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.4	78.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

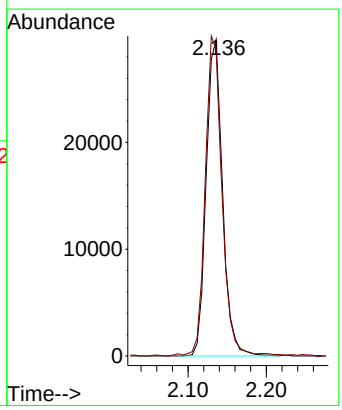


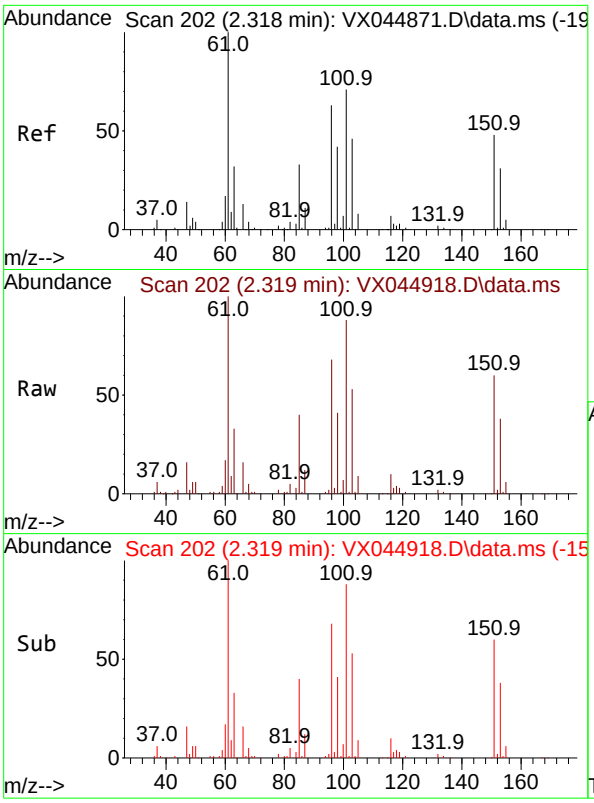


#8
Diethyl Ether
Concen: 49.531 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.007 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 74 Resp: 42851

Ion	Ratio	Lower	Upper
74	100		
45	103.9	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.954 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 7055

Ion	Ratio	Lower	Upper
101	100		
85	45.2	35.7	53.5
151	68.9	56.0	84.0

Manual Integrations
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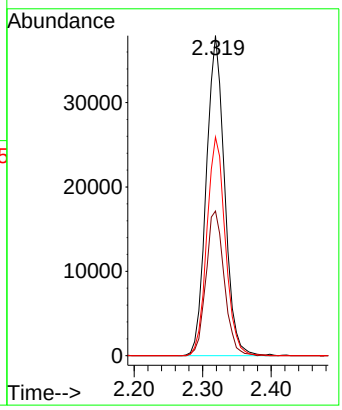
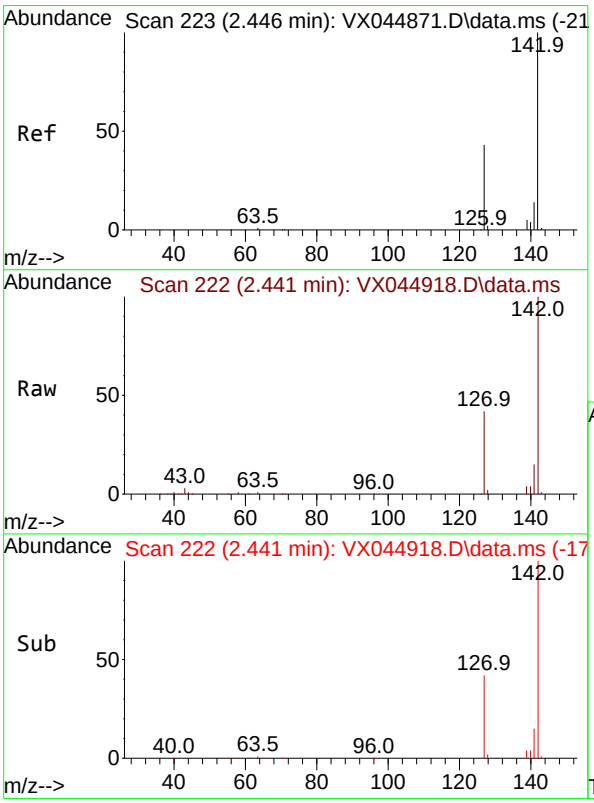
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

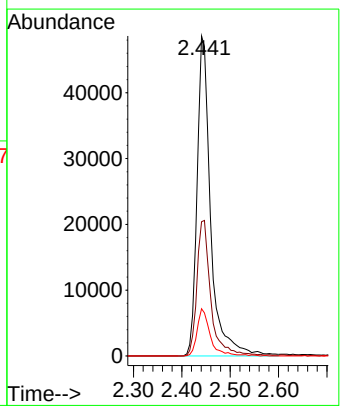


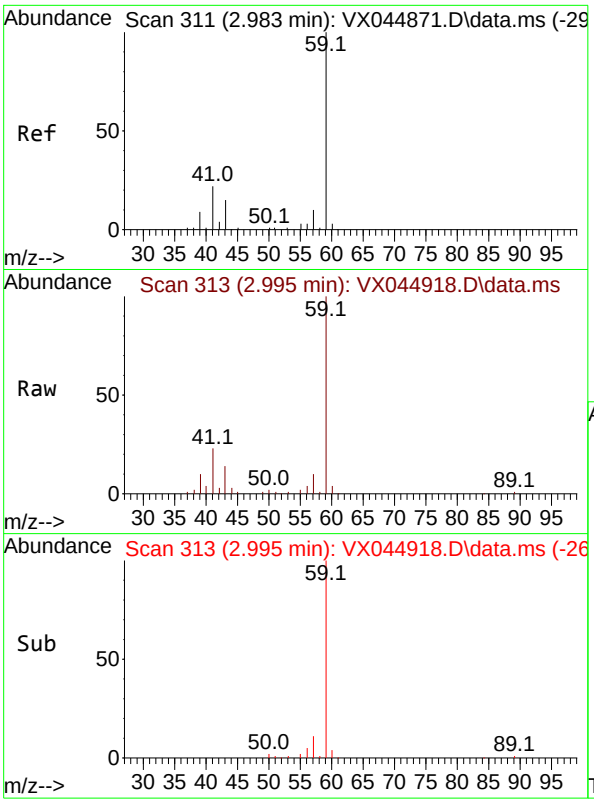


#10
Methyl Iodide
Concen: 50.957 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:142 Resp: 95185

Ion	Ratio	Lower	Upper
142	100		
127	43.2	34.3	51.5
141	14.3	11.4	17.2





#11
Tert butyl alcohol
Concen: 250.247 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.013 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 59 Resp: 7751

Ion	Ratio	Lower	Upper
59	100		
57	4.2	8.1	12.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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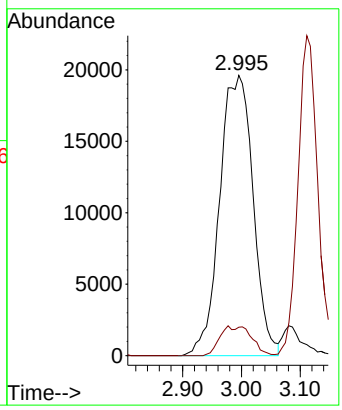
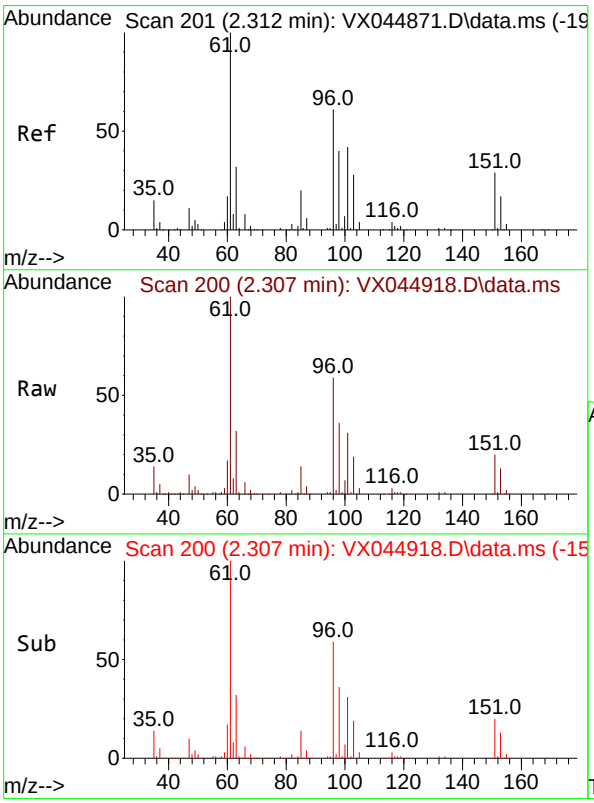
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

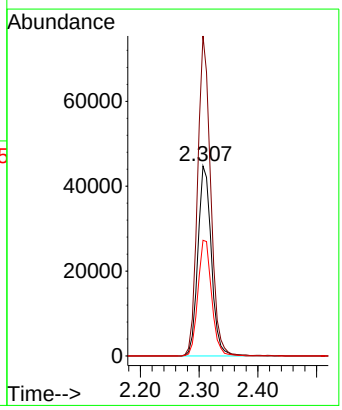


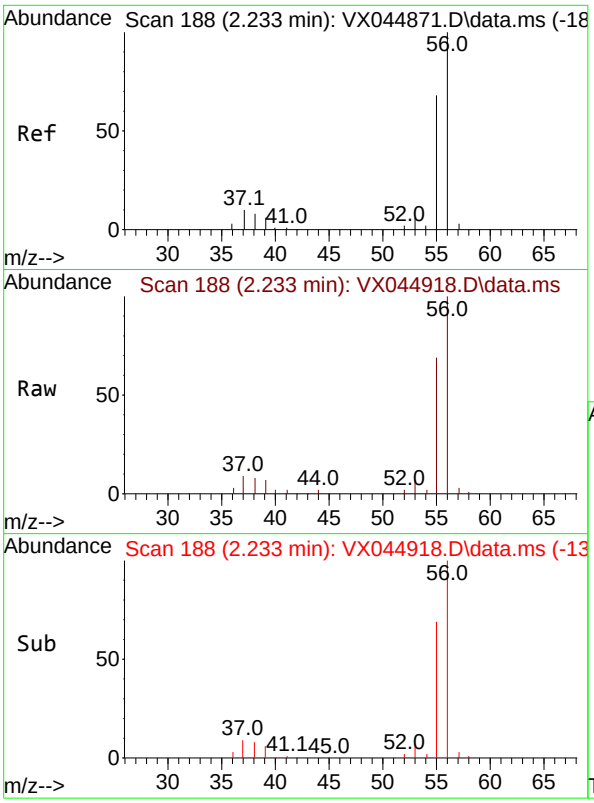


#12
1,1-Dichloroethene
Concen: 48.335 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 96 Resp: 71063

Ion	Ratio	Lower	Upper
96	100		
61	168.5	130.2	195.4
98	60.9	52.2	78.4





#13
Acrolein
Concen: 263.373 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 56 Resp: 8417

Ion	Ratio	Lower	Upper
56	100		
55	69.1	55.7	83.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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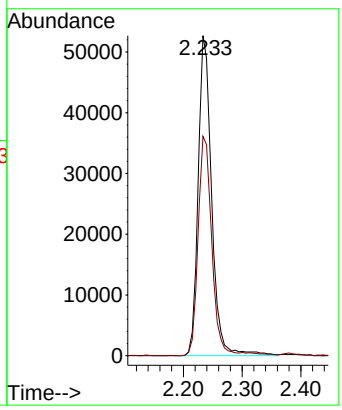
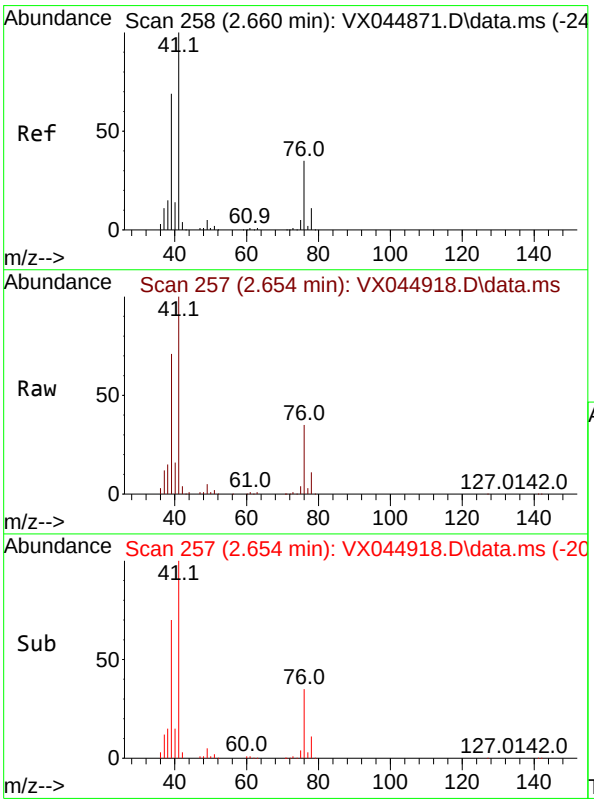
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

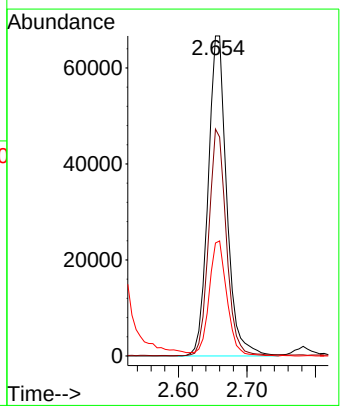


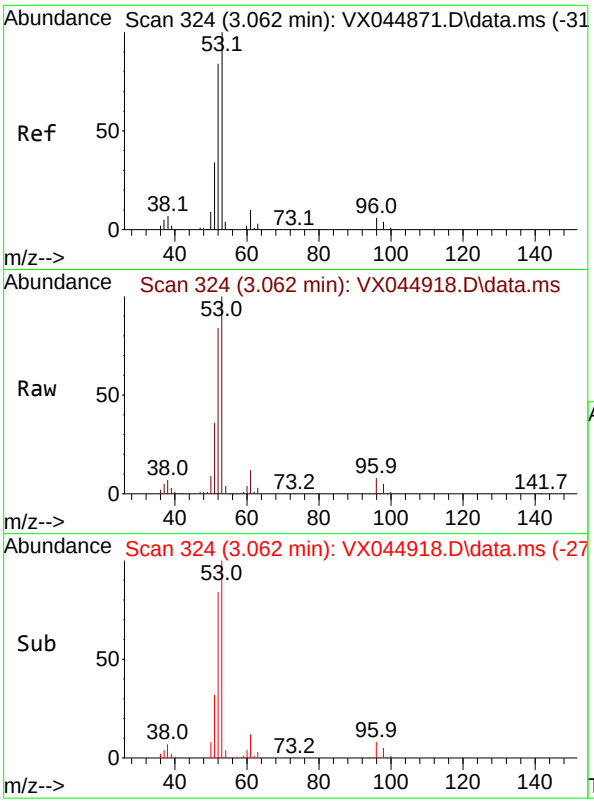


#14
Allyl chloride
Concen: 47.412 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 41 Resp: 125975

Ion	Ratio	Lower	Upper
41	100		
39	66.5	51.4	77.2
76	34.4	27.0	40.4





#15
Acrylonitrile
Concen: 254.873 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 53 Resp: 21079

Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.0	97.6
51	35.7	28.0	42.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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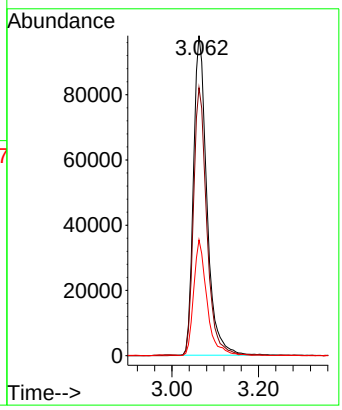
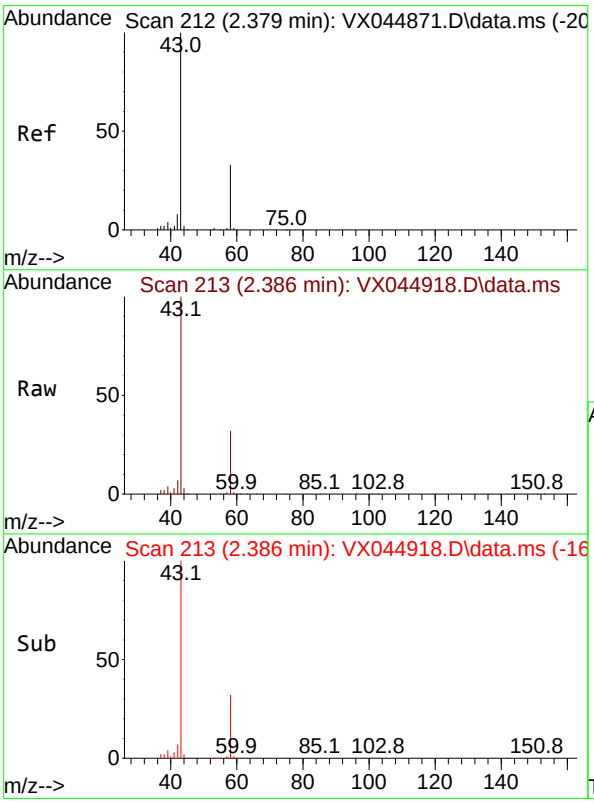
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

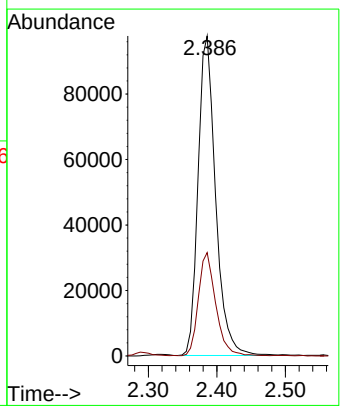


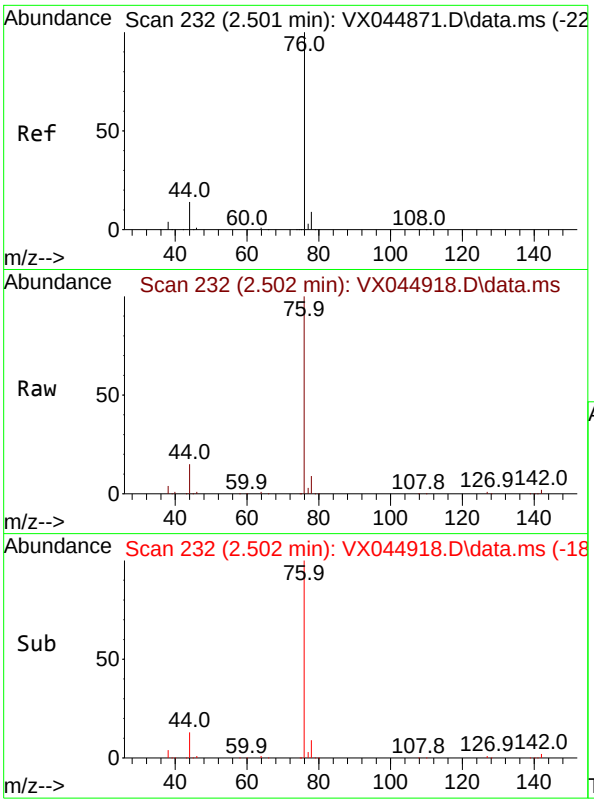


#16
Acetone
Concen: 259.058 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 173889

Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.5	39.7





#17
Carbon Disulfide
Concen: 45.780 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 76 Resp: 18456

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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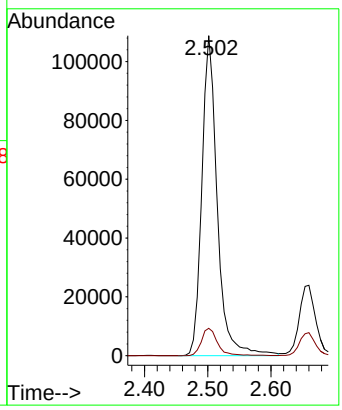
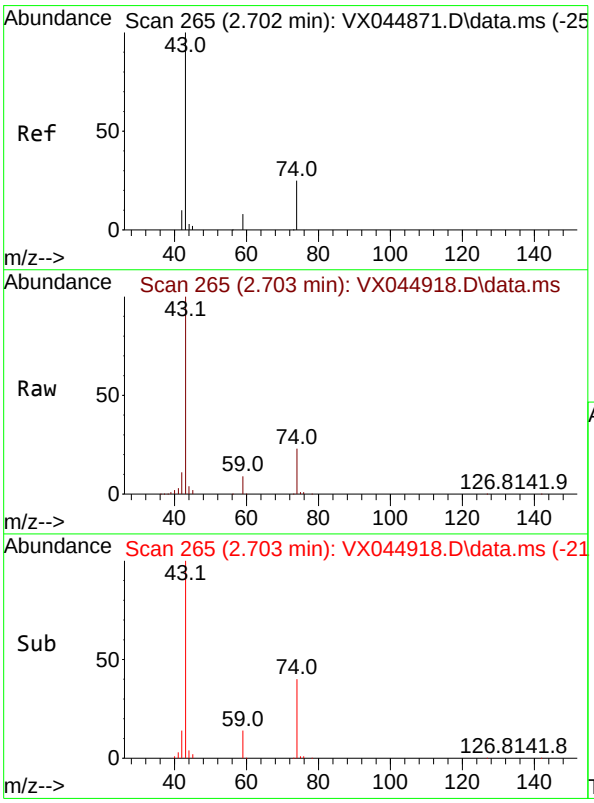
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

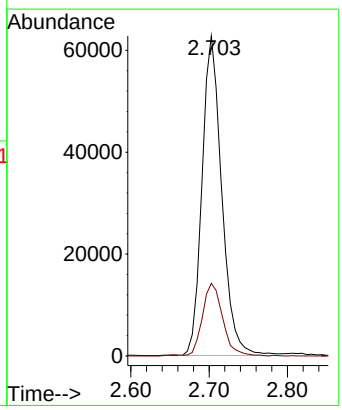


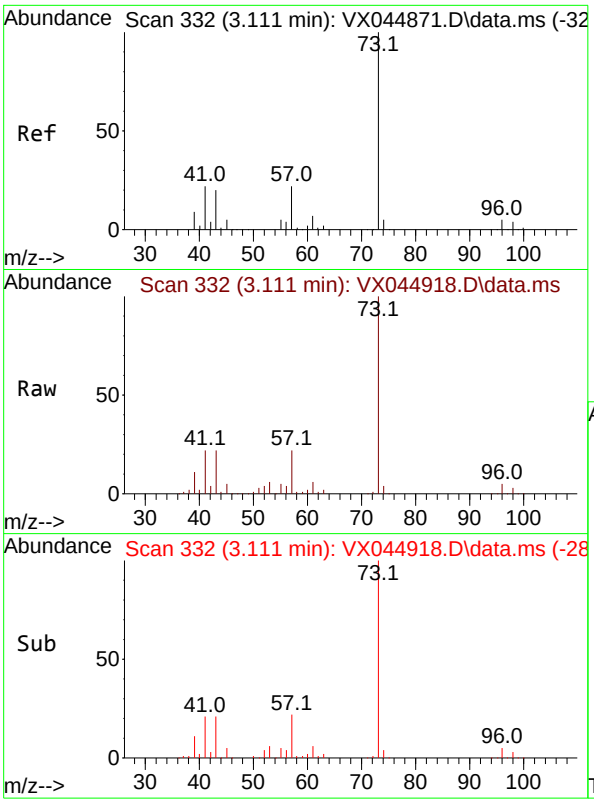


#18
Methyl Acetate
Concen: 51.703 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 109515

Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 49.559 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 73 Resp: 23182

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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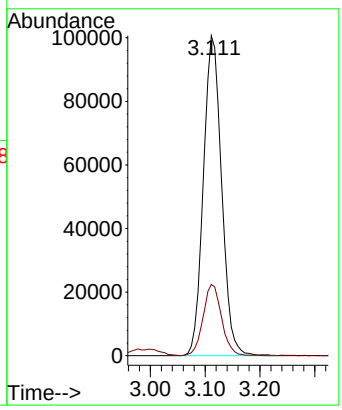
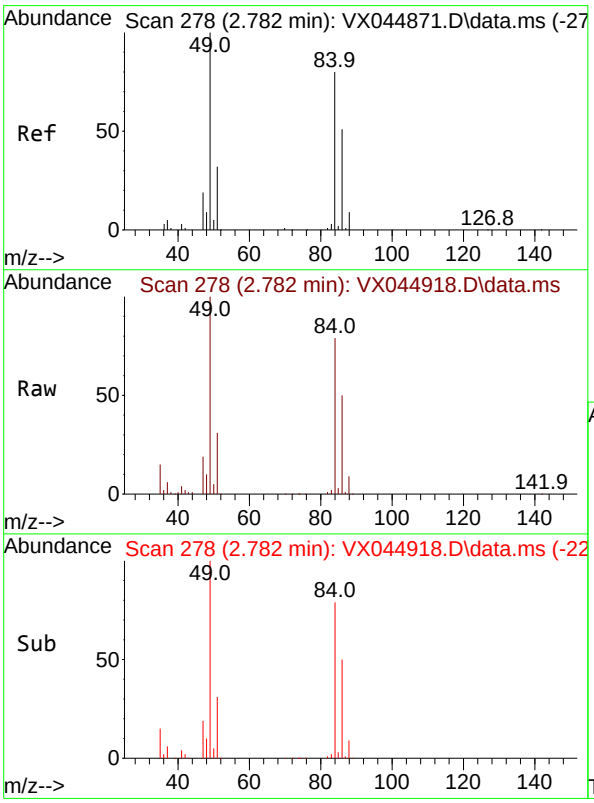
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

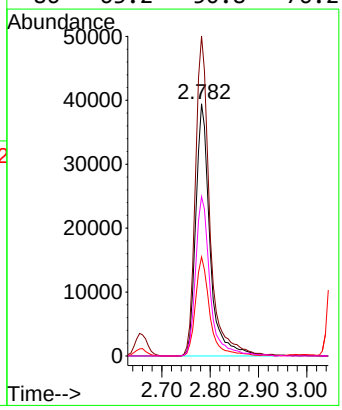


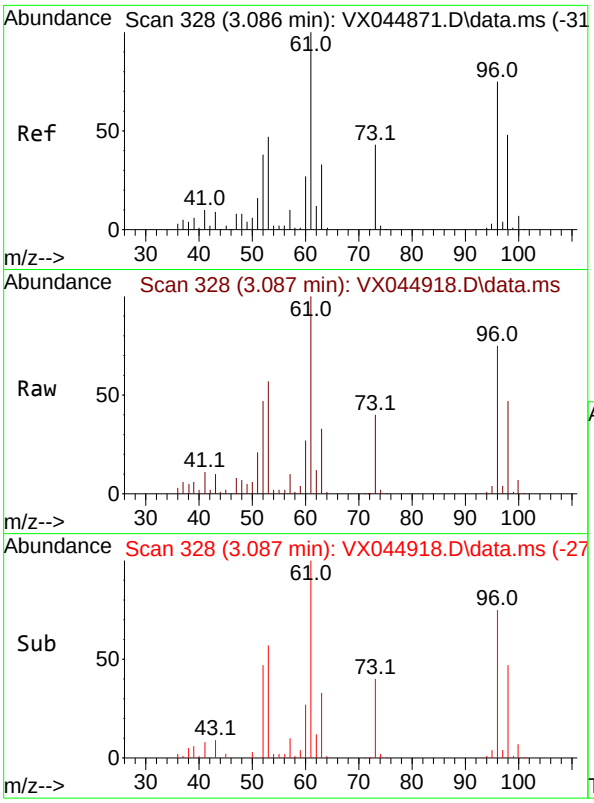


#20
Methylene Chloride
Concen: 48.945 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 84 Resp: 80471

Ion	Ratio	Lower	Upper
84	100		
49	126.9	100.1	150.1
51	39.3	31.7	47.5
86	63.2	50.8	76.2





#21
trans-1,2-Dichloroethene
Concen: 49.636 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

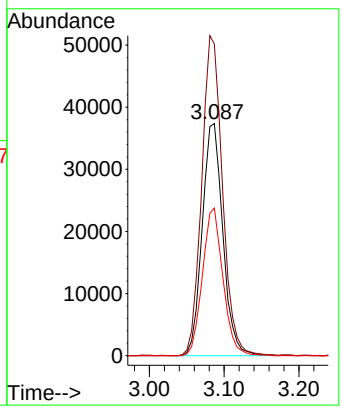
Tgt Ion: 96 Resp: 7182

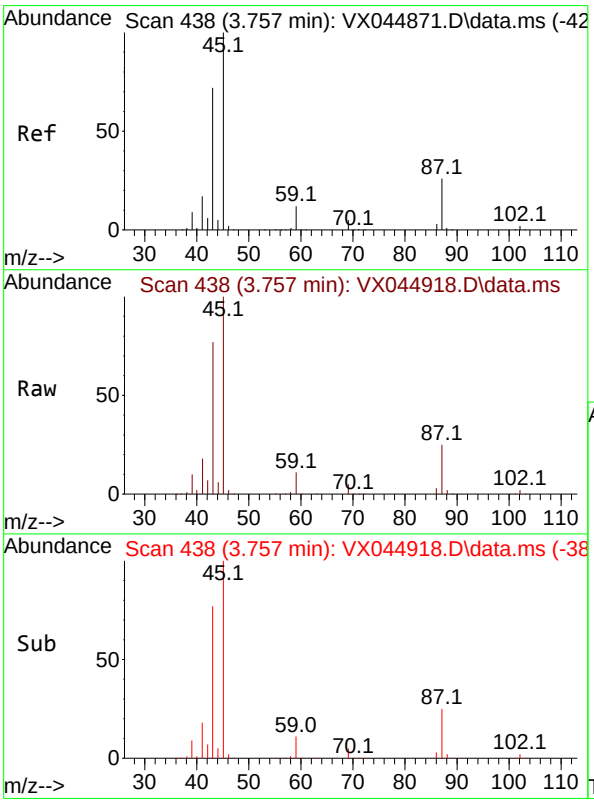
Ion	Ratio	Lower	Upper
96	100		
61	134.2	106.0	159.0
98	63.6	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

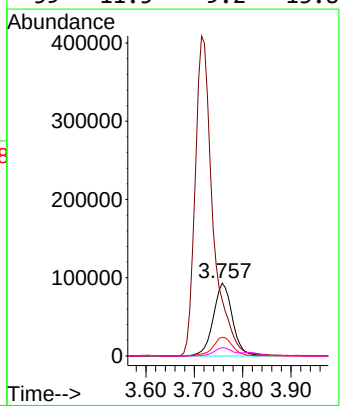


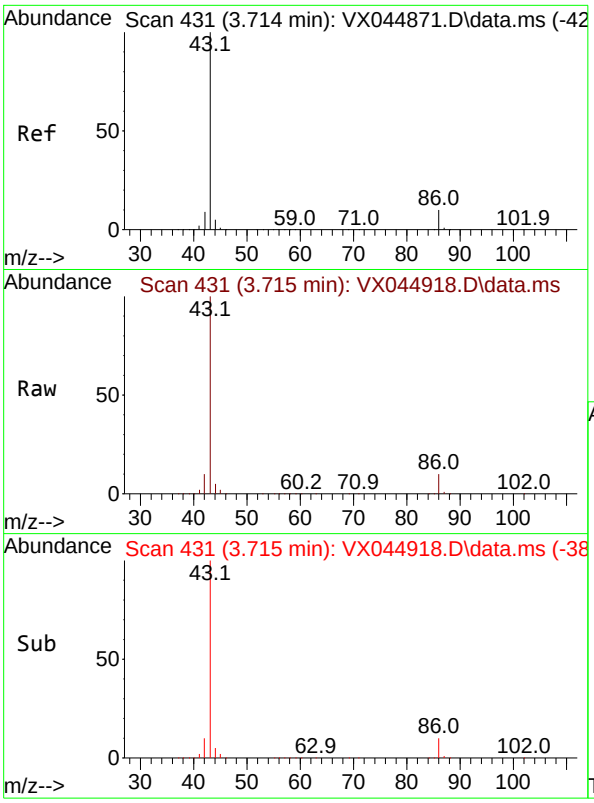


#22
Diisopropyl ether
Concen: 50.840 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 45 Resp: 255564

Ion	Ratio	Lower	Upper
45	100		
43	76.9	58.0	87.0
87	25.5	20.7	31.1
59	11.5	9.2	13.8





#23
Vinyl Acetate
Concen: 254.613 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 104343

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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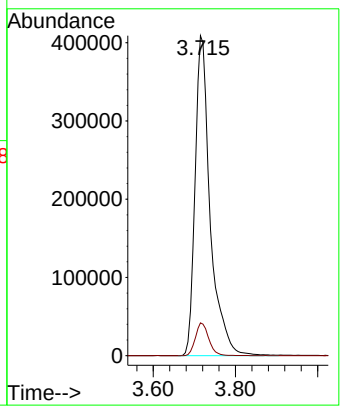
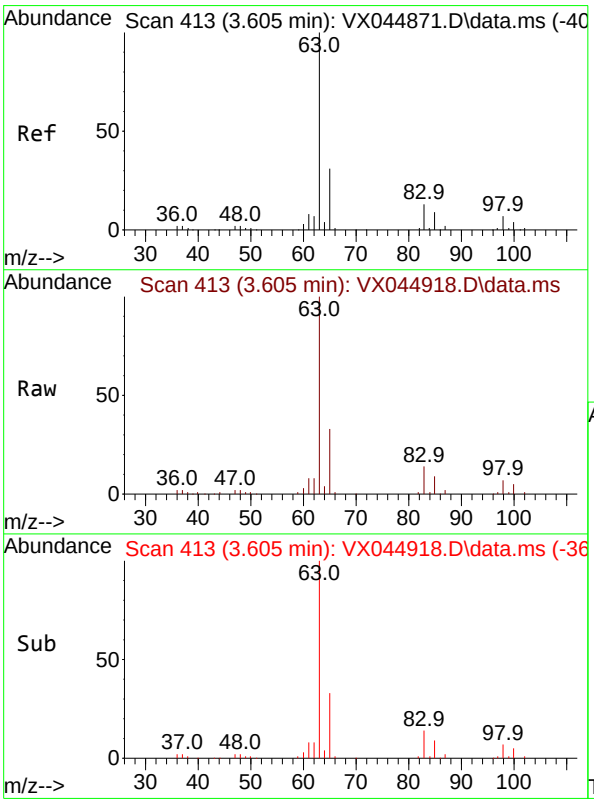
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

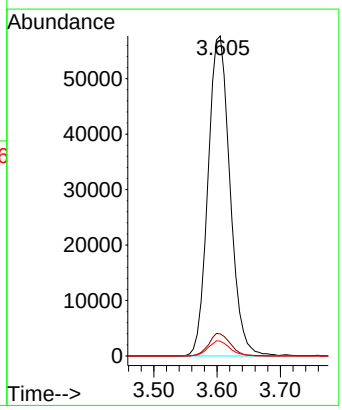


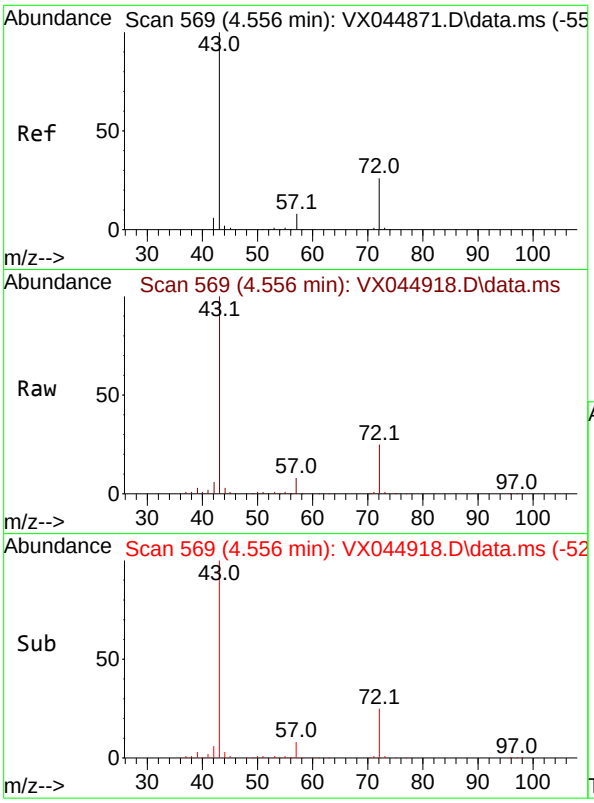


#24
1,1-Dichloroethane
Concen: 49.527 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 63 Resp: 139303

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.9
100	4.6	2.1	6.5





#25
2-Butanone
Concen: 262.259 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 28585

Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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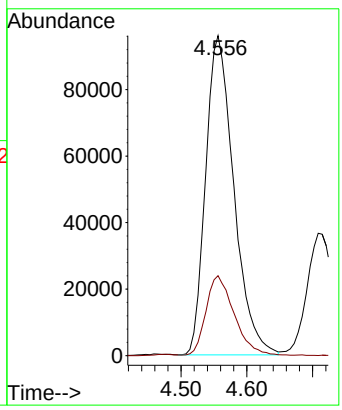
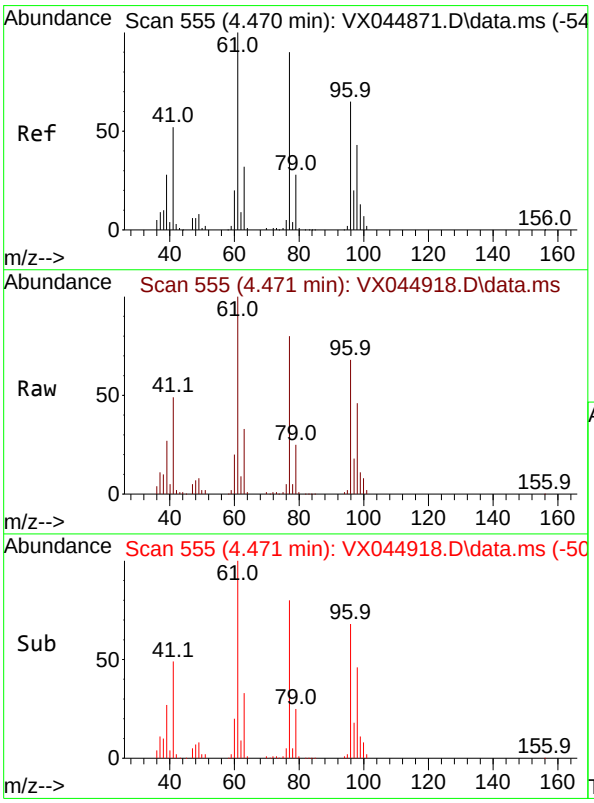
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

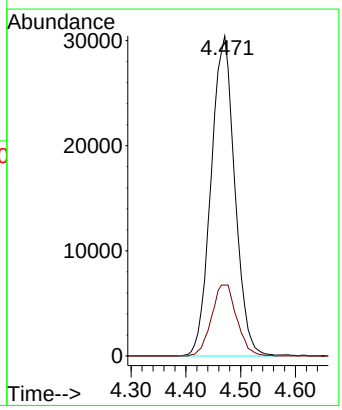


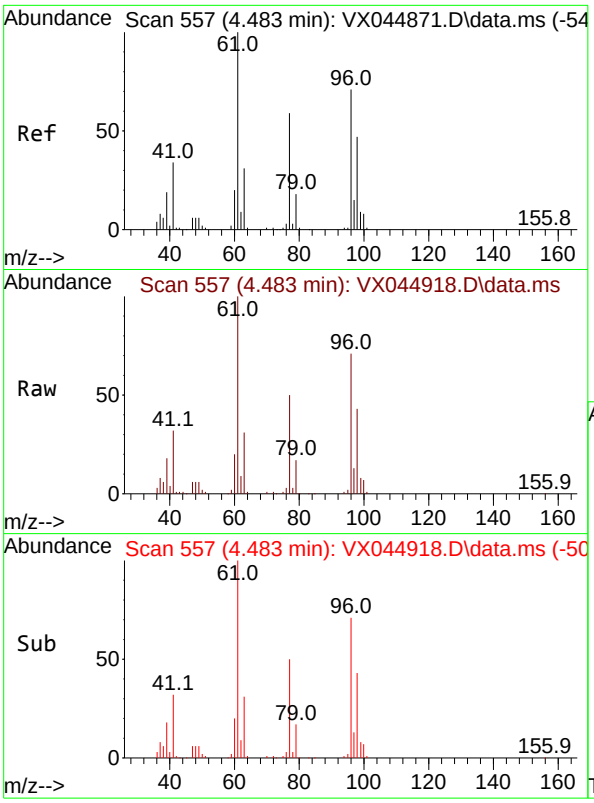


#26
2,2-Dichloropropane
Concen: 41.086 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 77 Resp: 91644

Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.8	35.3





#27
cis-1,2-Dichloroethene
Concen: 49.402 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

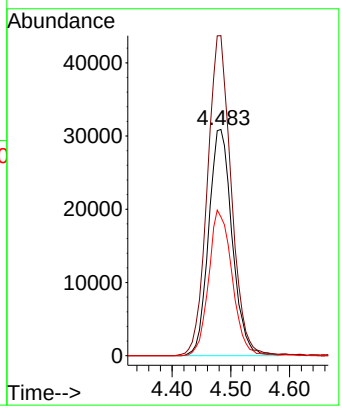
Tgt Ion: 96 Resp: 8586

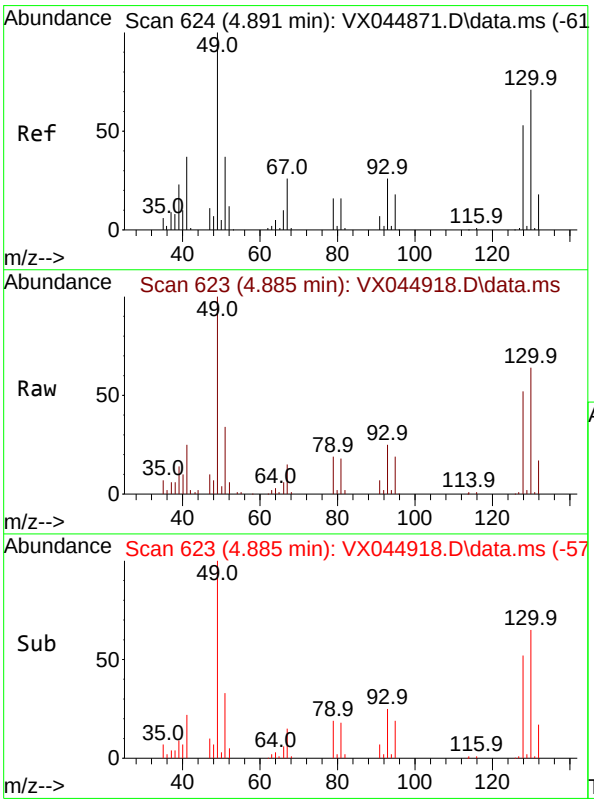
Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	294.0
98	64.0	0.0	131.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

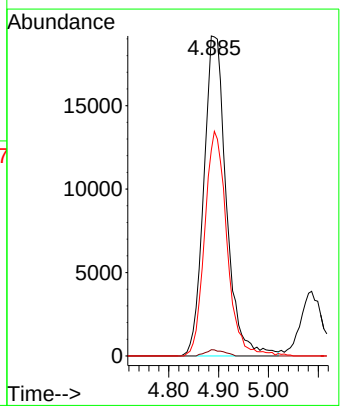


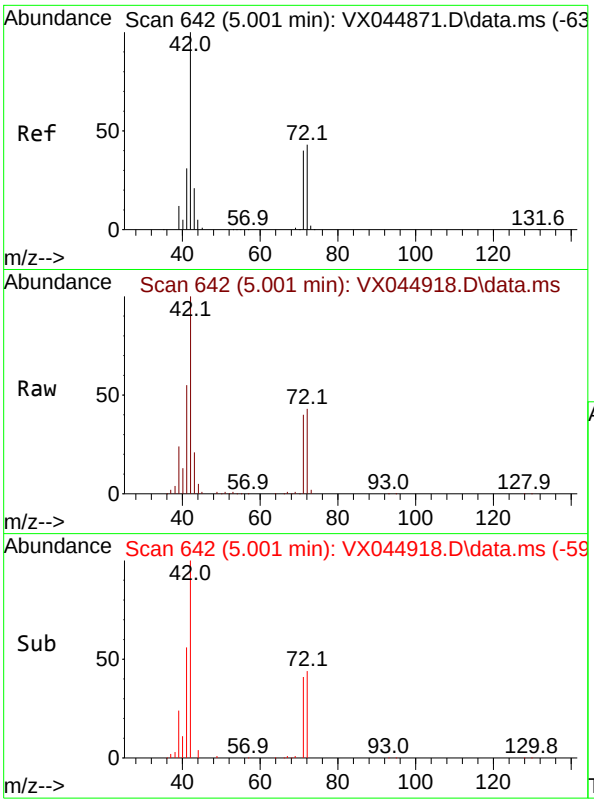


#28
Bromochloromethane
Concen: 44.575 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 49 Resp: 60252

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	69.4	56.7	85.1





#29
Tetrahydrofuran
Concen: 260.913 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

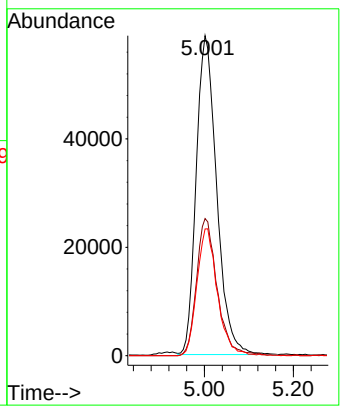
Tgt Ion: 42 Resp: 188839

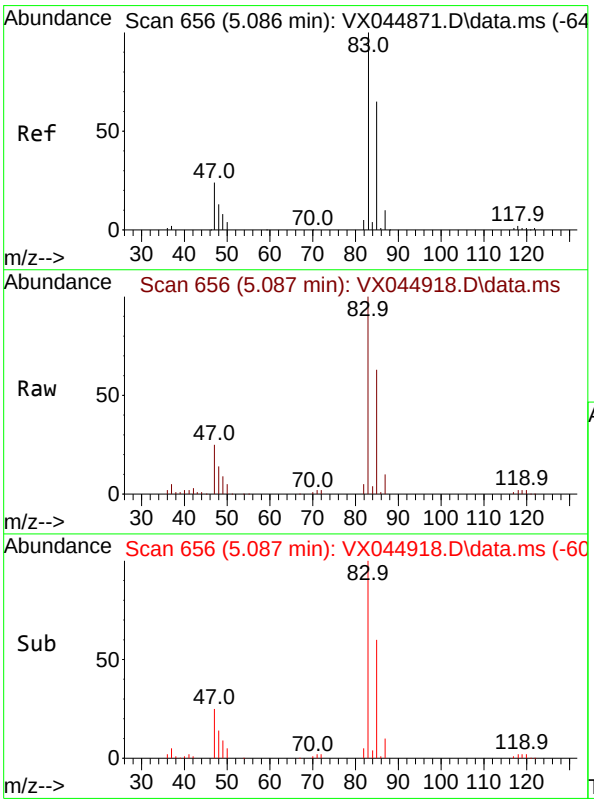
Ion	Ratio	Lower	Upper
42	100		
72	43.2	35.0	52.4
71	39.6	32.6	48.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

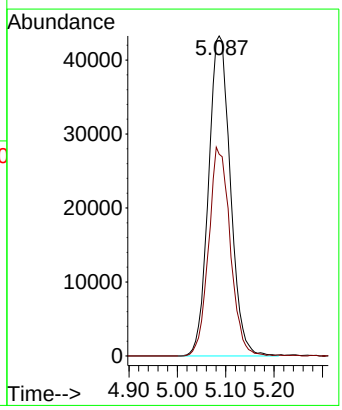


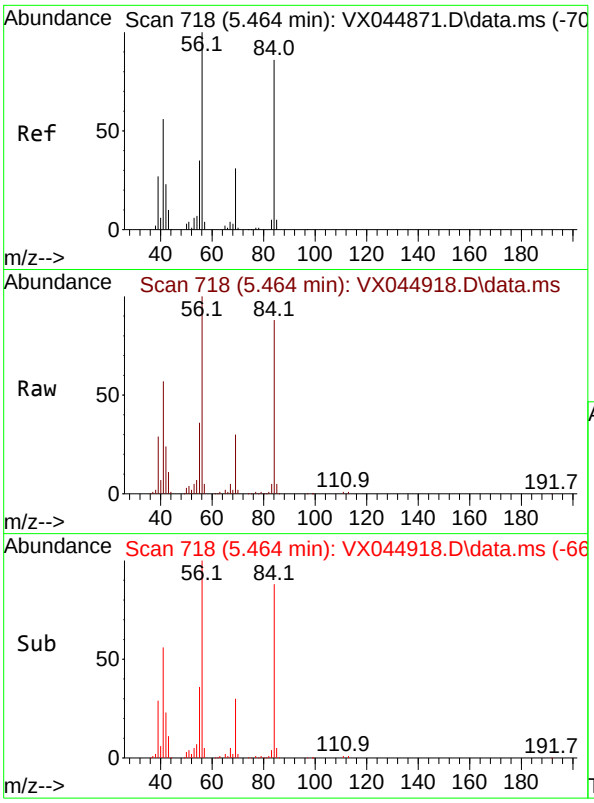


#30
Chloroform
Concen: 49.806 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 83 Resp: 135857

Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.1	78.1





#31
Cyclohexane
Concen: 47.217 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 56 Resp: 12243

Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	85.9	69.0	103.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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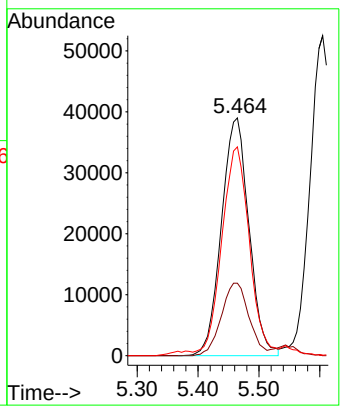
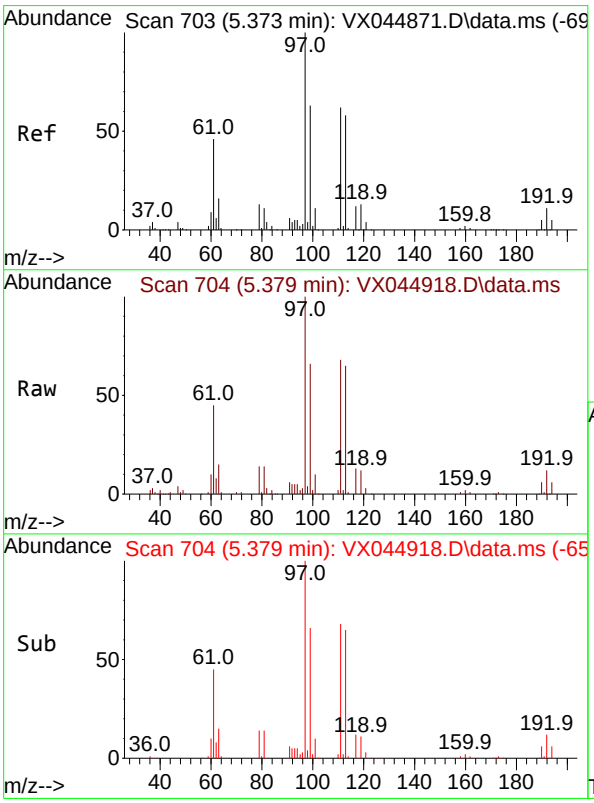
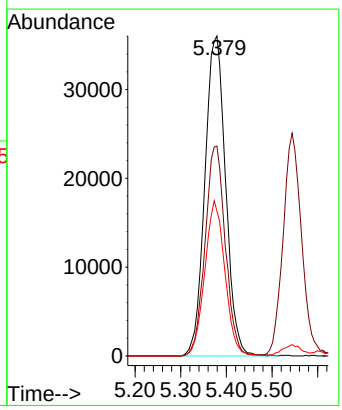


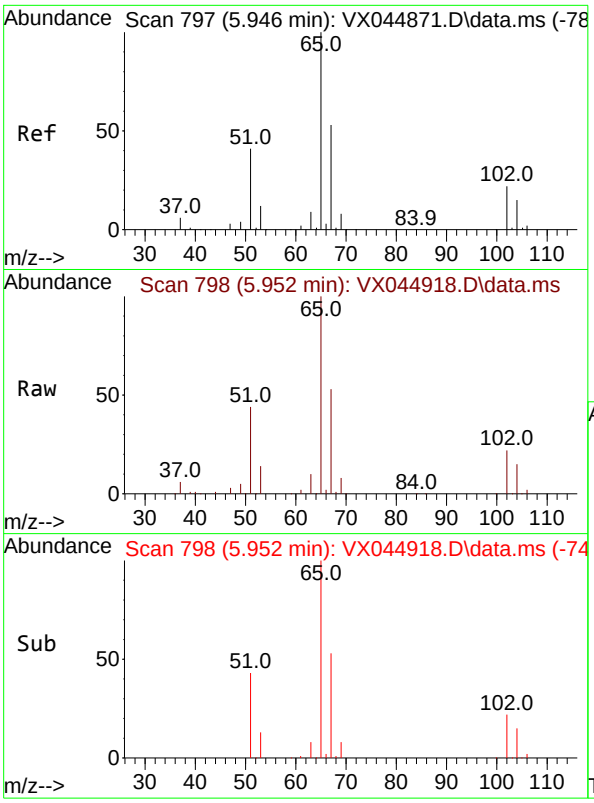


#32
1,1,1-Trichloroethane
Concen: 49.107 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 97 Resp: 113617

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	47.1	36.6	55.0





#33
1,2-Dichloroethane-d4
Concen: 52.162 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 65 Resp: 8709

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	108.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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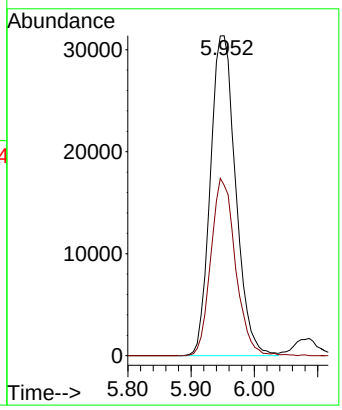
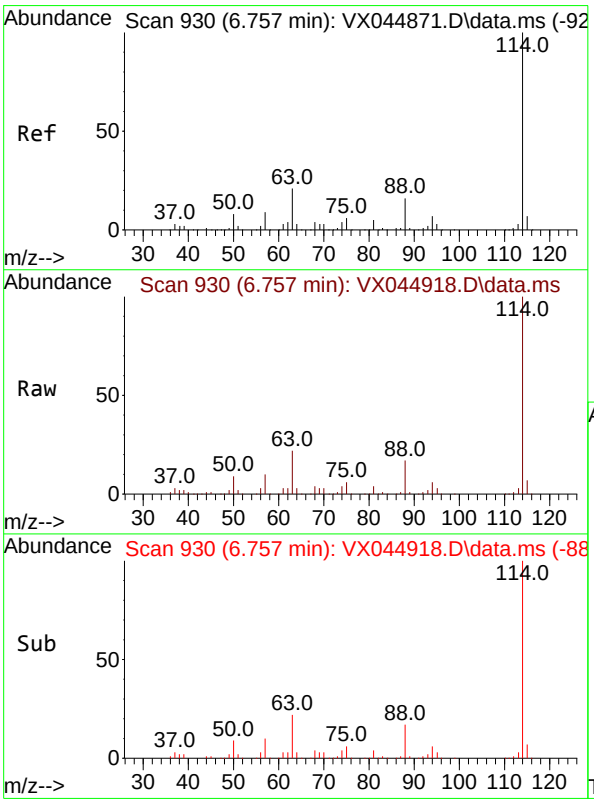
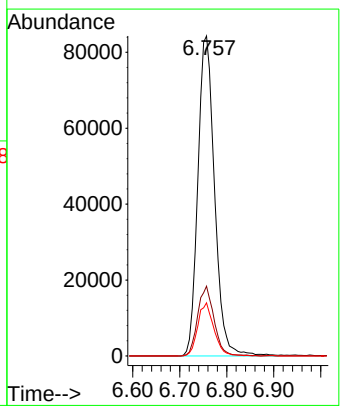


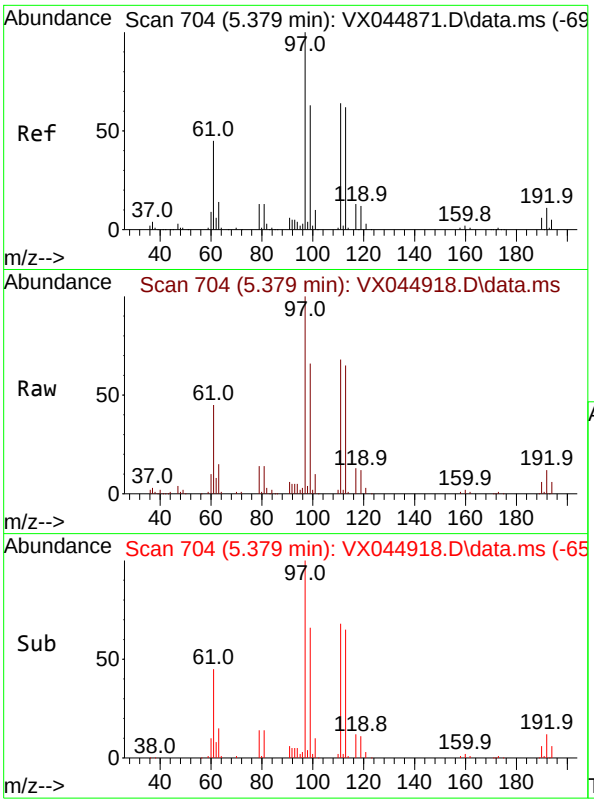


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:114 Resp: 208728

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.4
88	16.6	0.0	31.4





#35
Dibromofluoromethane
Concen: 51.520 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

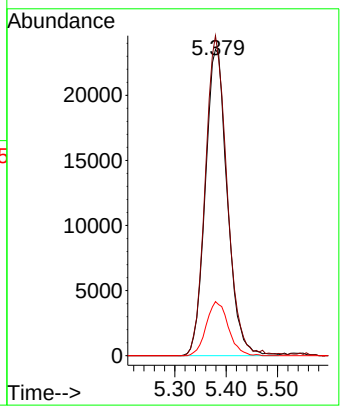
Tgt Ion:113 Resp: 6991

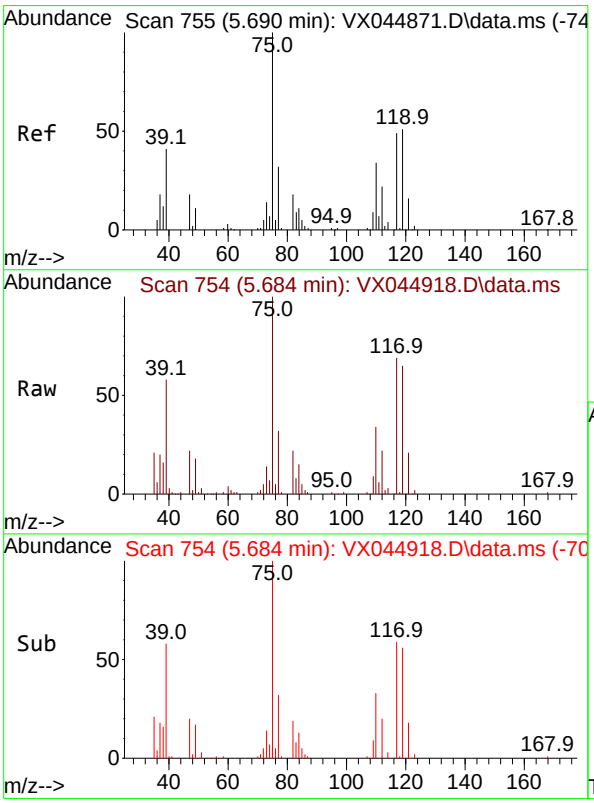
Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.5	125.3
192	17.7	14.4	21.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

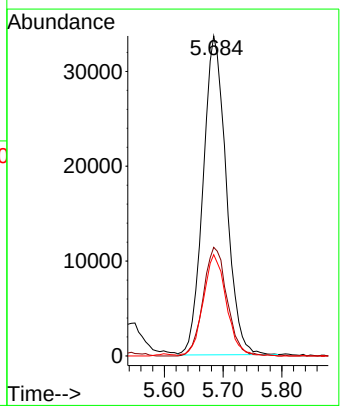


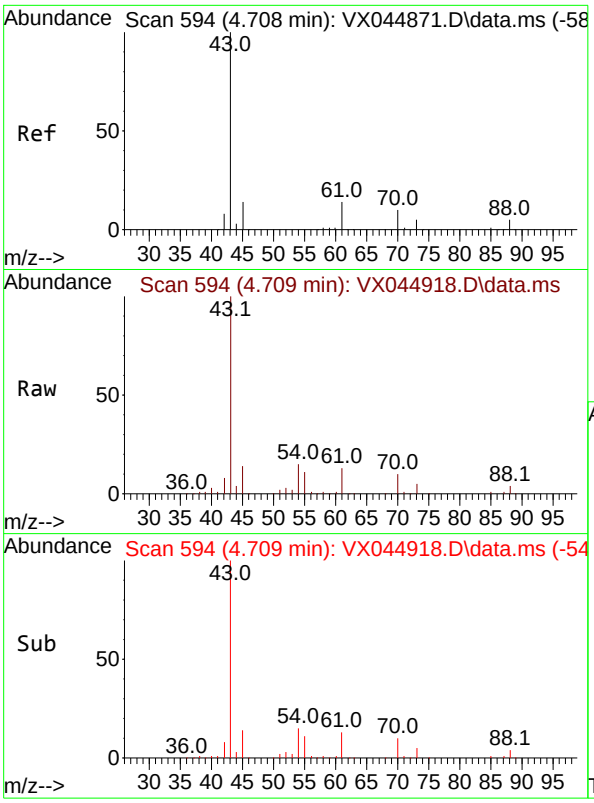


#36
1,1-Dichloropropene
Concen: 46.974 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 91970

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	31.9	24.6	37.0





#37
Ethyl Acetate
Concen: 50.702 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

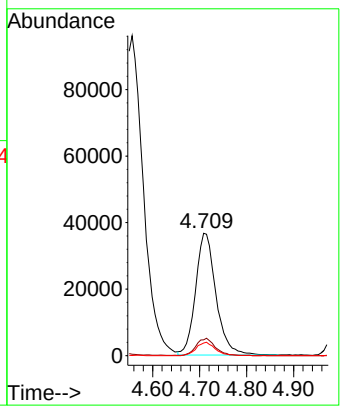
Tgt Ion: 43 Resp: 11041

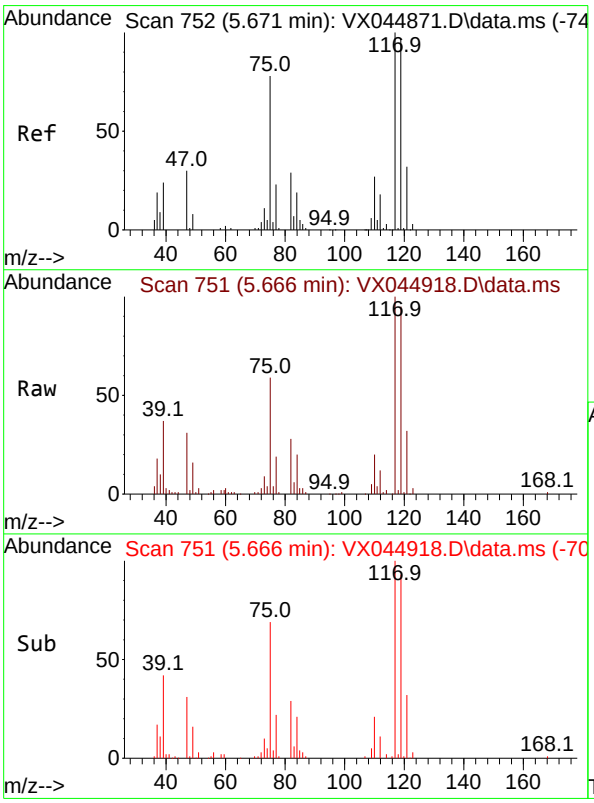
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	10.4	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

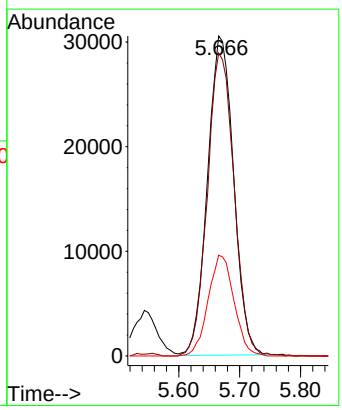


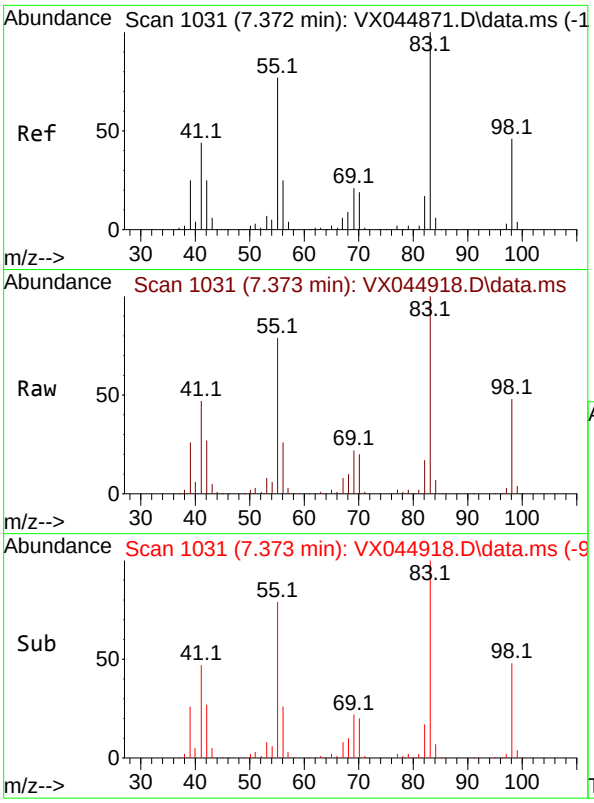


#38
Carbon Tetrachloride
Concen: 47.211 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:117 Resp: 90581

Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.5	116.3
121	31.6	25.6	38.4





#39
Methylcyclohexane
Concen: 48.896 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 83 Resp: 12376

Ion	Ratio	Lower	Upper
83	100		
55	79.3	61.3	91.9
98	48.1	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
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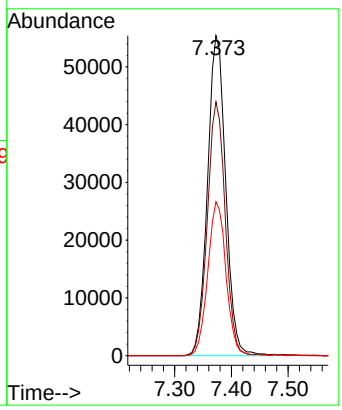
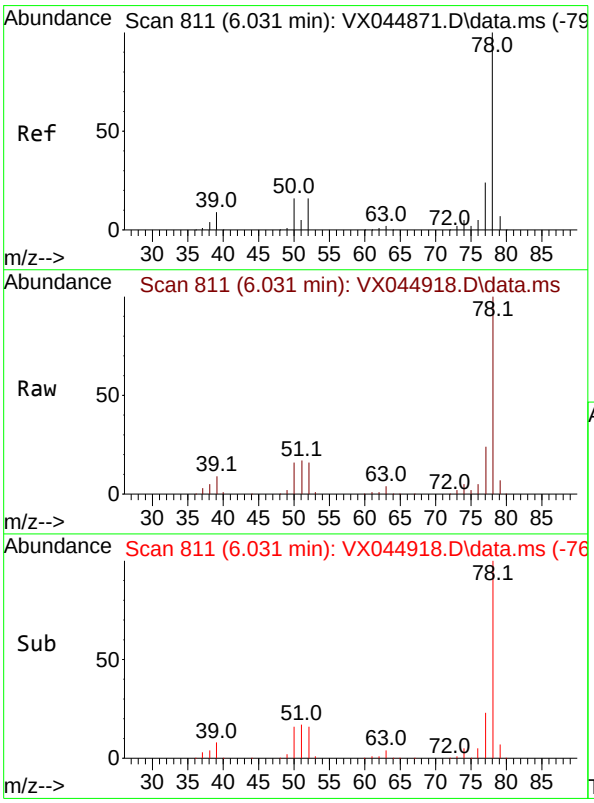
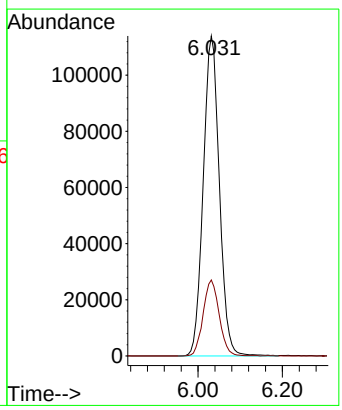


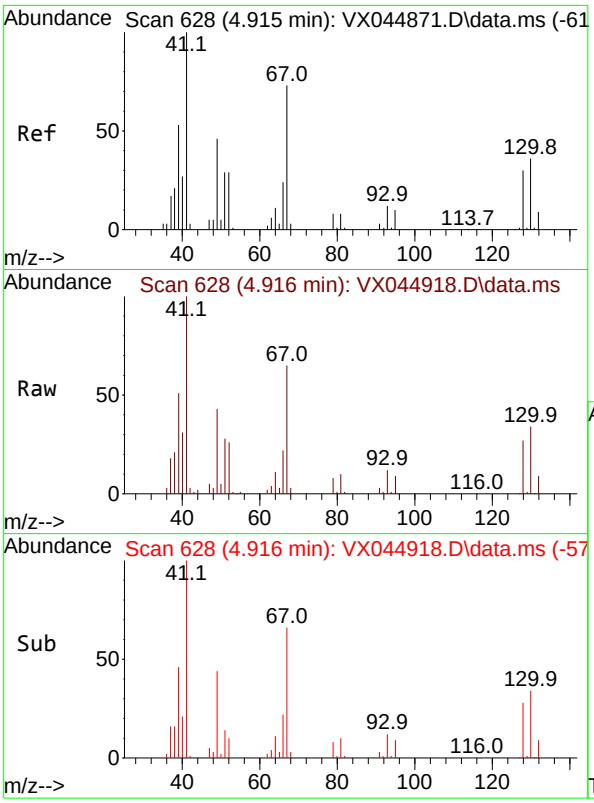


#40
Benzene
Concen: 49.575 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 78 Resp: 303089

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





#41
Methacrylonitrile
Concen: 53.690 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 41 Resp: 6258

Ion	Ratio	Lower	Upper
41	100		
39	52.8	43.1	64.7
67	71.3	57.0	85.6
52	29.2	24.0	36.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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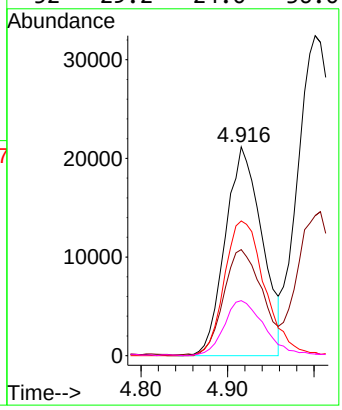
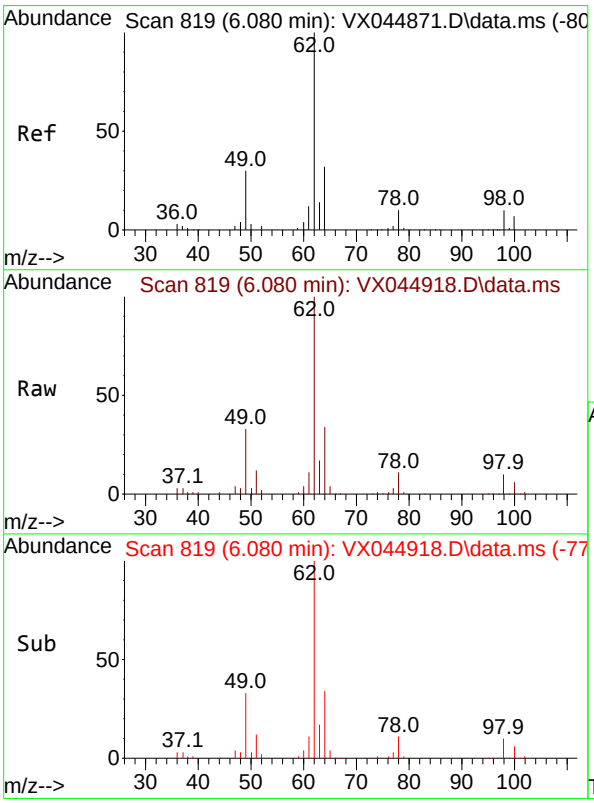
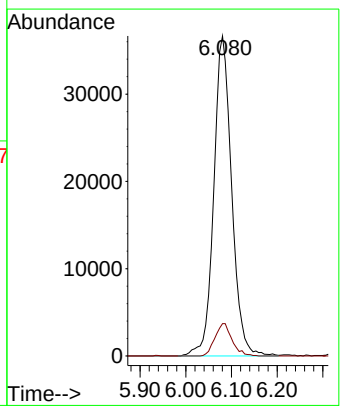


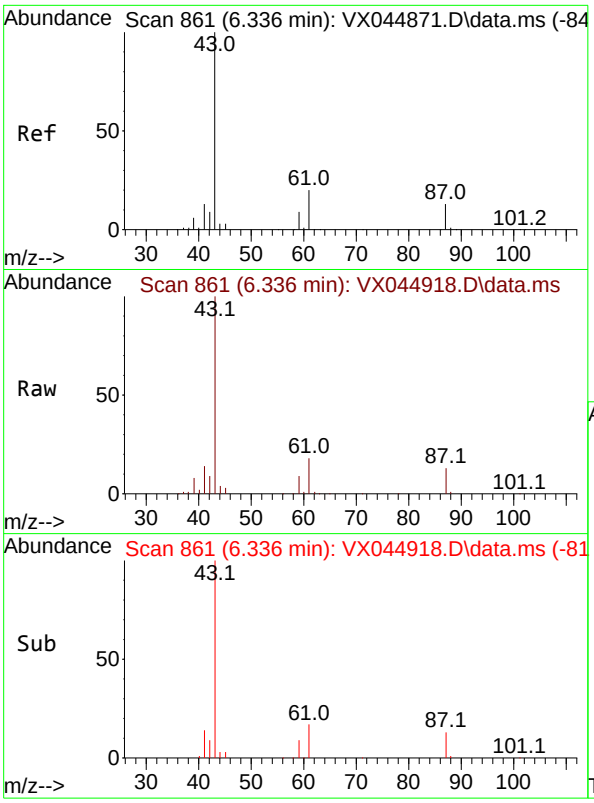


#42
1,2-Dichloroethane
Concen: 51.275 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 62 Resp: 99909

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4





#43
Isopropyl Acetate
Concen: 50.486 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 17754

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.8	23.8
87	12.3	10.0	15.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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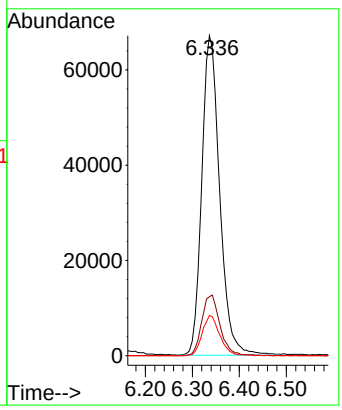
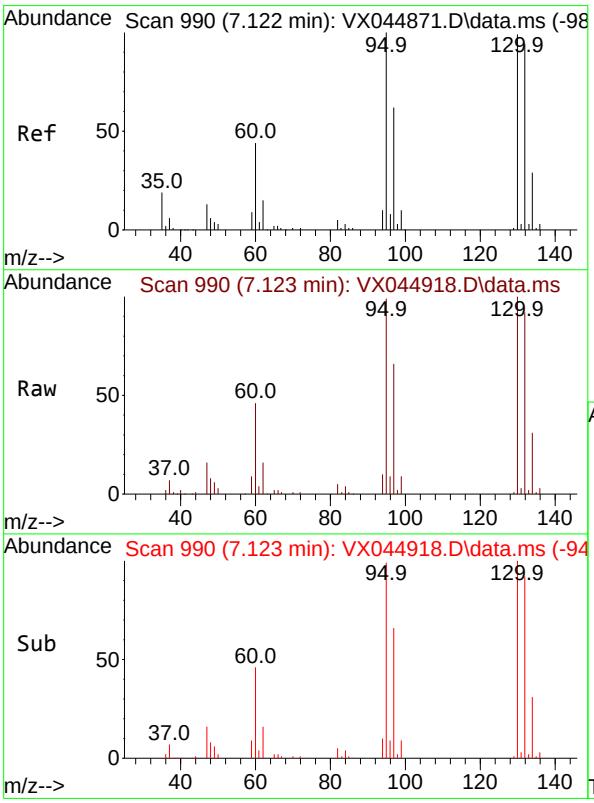
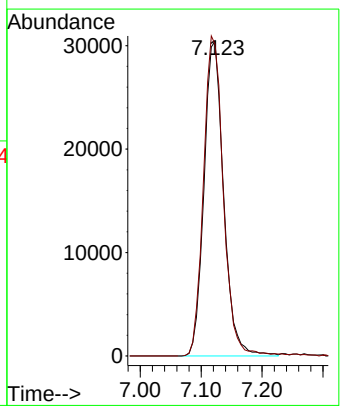


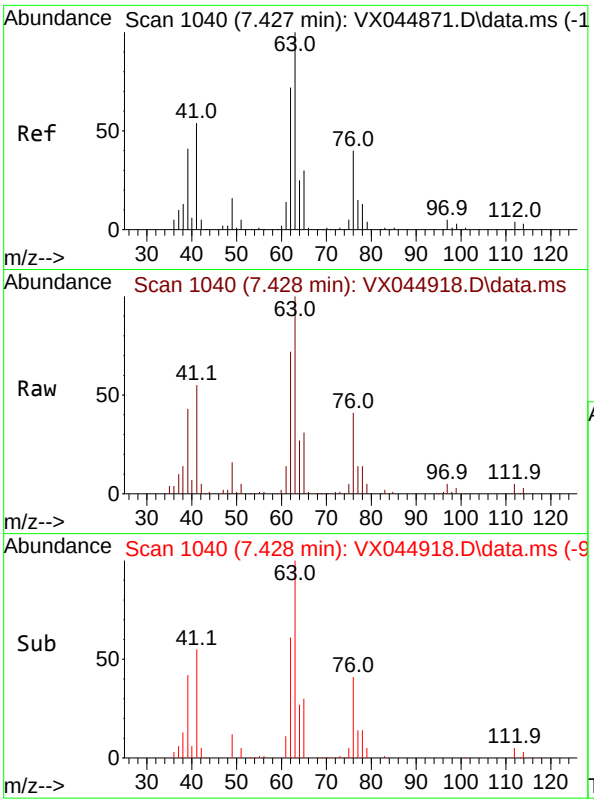


#44
Trichloroethene
Concen: 48.777 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:130 Resp: 68162

Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	202.4





#45
1,2-Dichloropropane
Concen: 49.460 ug/l
RT: 7.428 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 63 Resp: 7522

Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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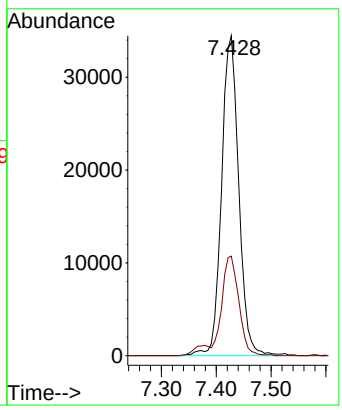
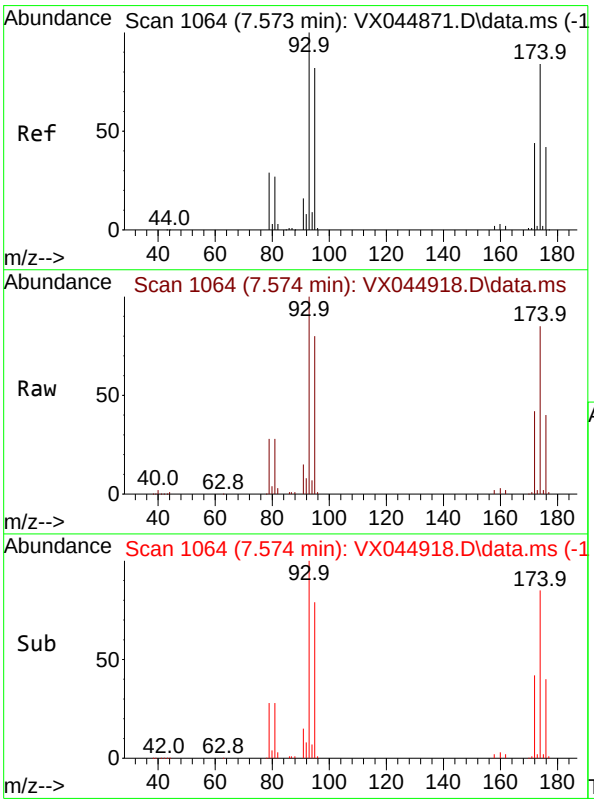
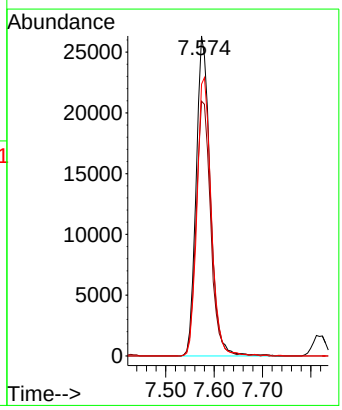


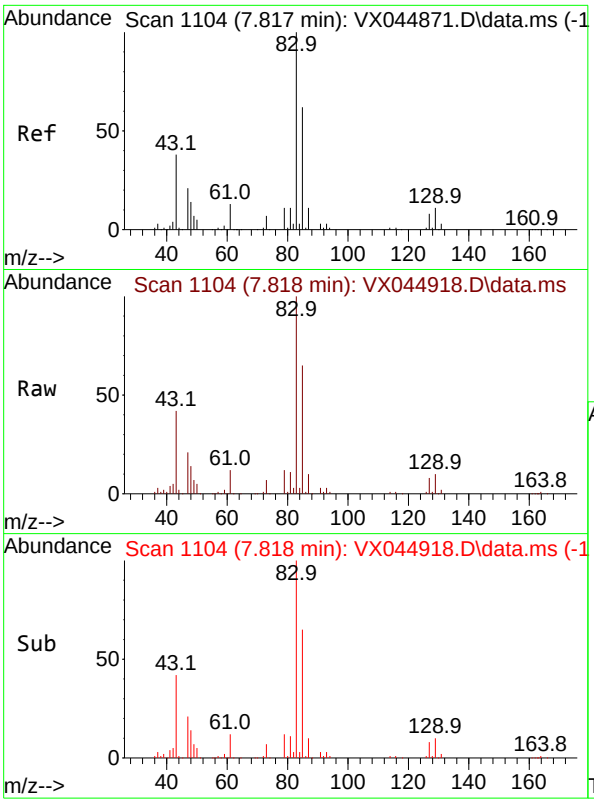


#46
Dibromomethane
Concen: 50.552 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 93 Resp: 53323

Ion	Ratio	Lower	Upper
93	100		
95	81.5	66.2	99.4
174	87.8	69.9	104.9





#47
Bromodichloromethane
Concen: 50.475 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

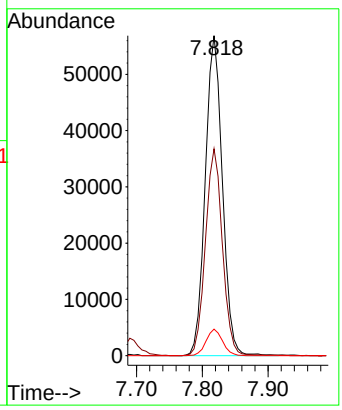
Tgt Ion: 83 Resp: 10309

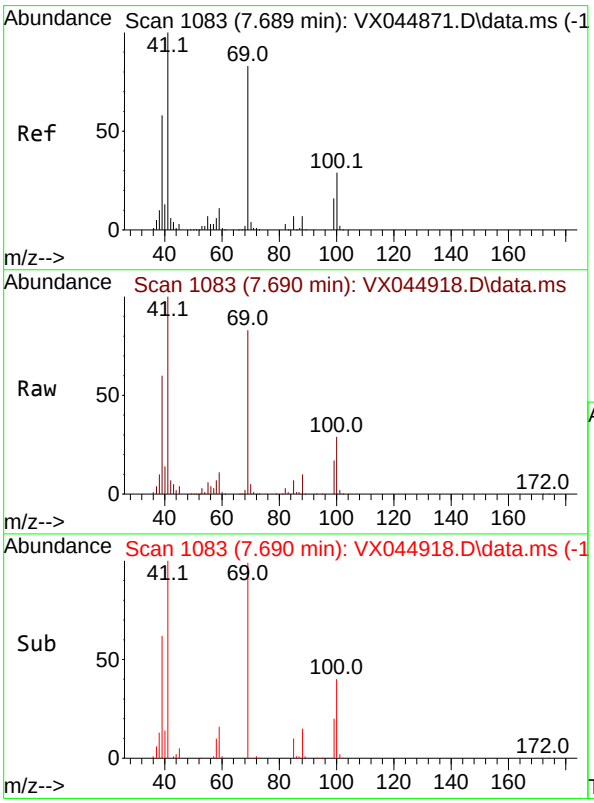
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.0	75.0
127	8.3	6.4	9.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

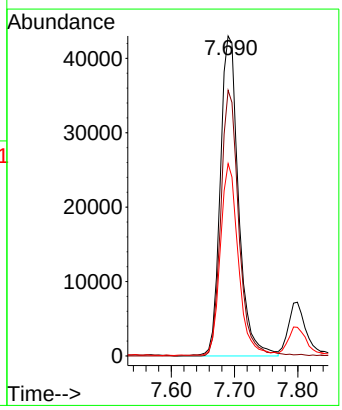


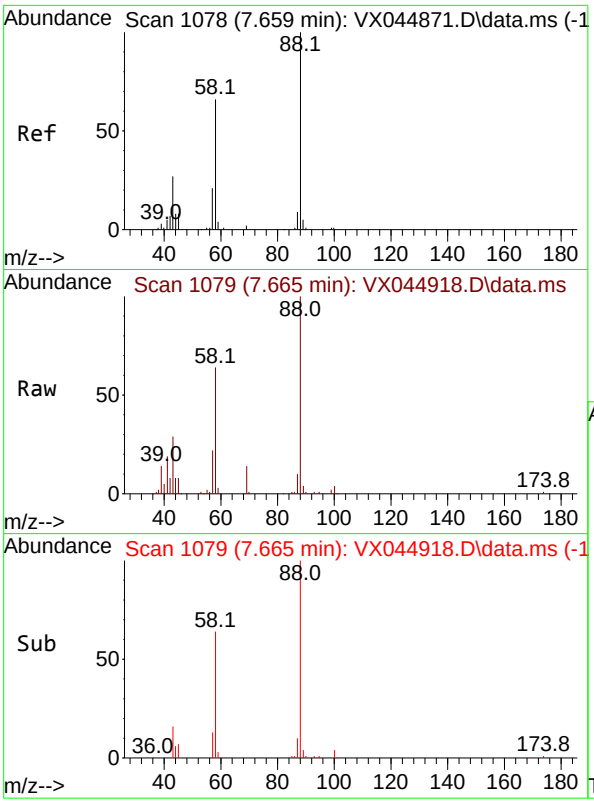


#48
Methyl methacrylate
Concen: 51.962 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 41 Resp: 86162

Ion	Ratio	Lower	Upper
41	100		
69	81.8	65.8	98.8
39	59.0	46.4	69.6





#49
1,4-Dioxane
Concen: 1056.949 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

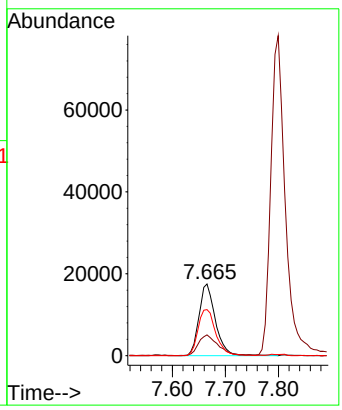
Tgt Ion: 88 Resp: 3760

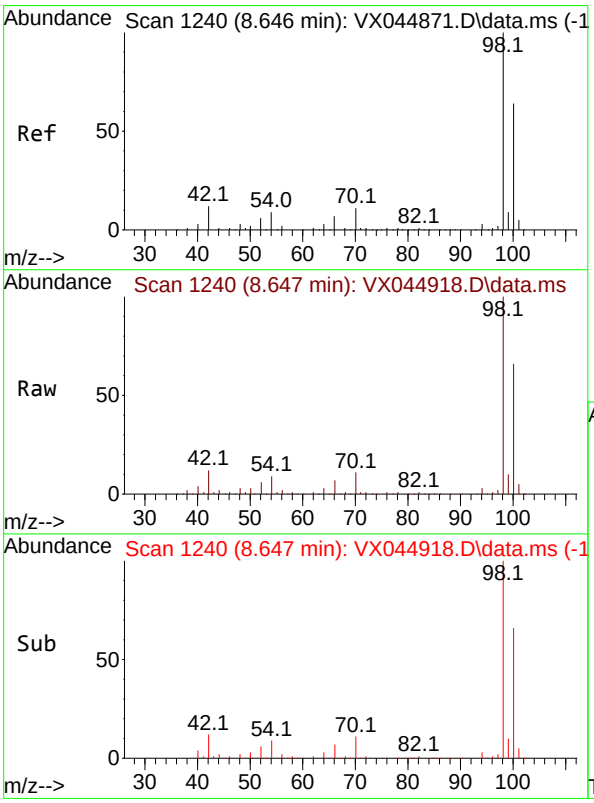
Ion	Ratio	Lower	Upper
88	100		
43	34.0	26.6	39.8
58	69.5	55.9	83.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

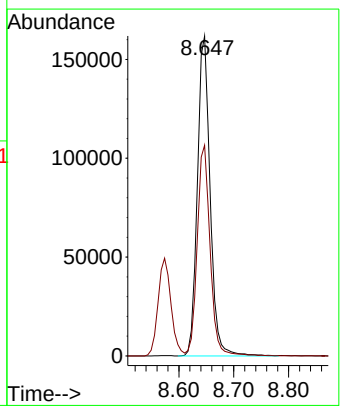


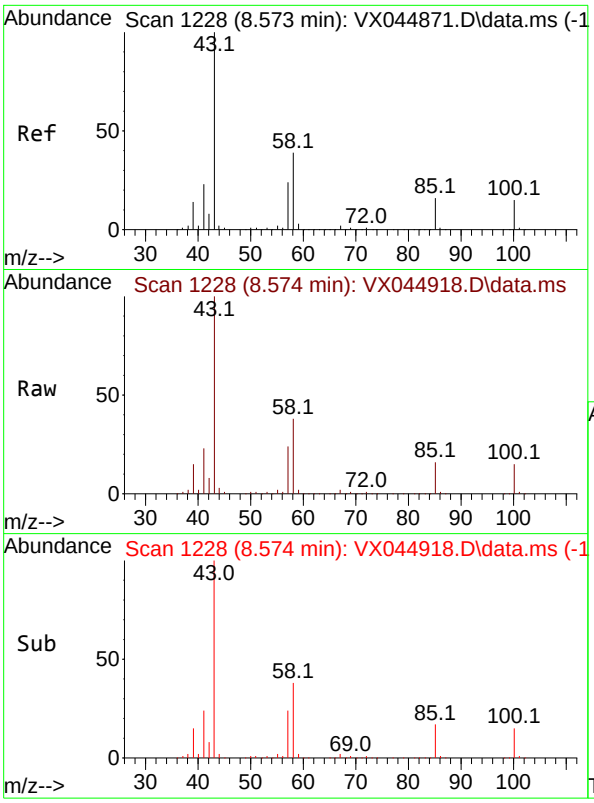


#50
Toluene-d8
Concen: 51.148 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 98 Resp: 262476

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 262.440 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 56108

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.8	46.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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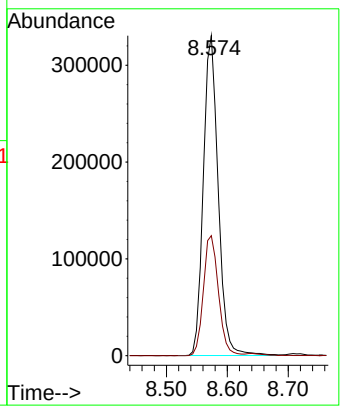
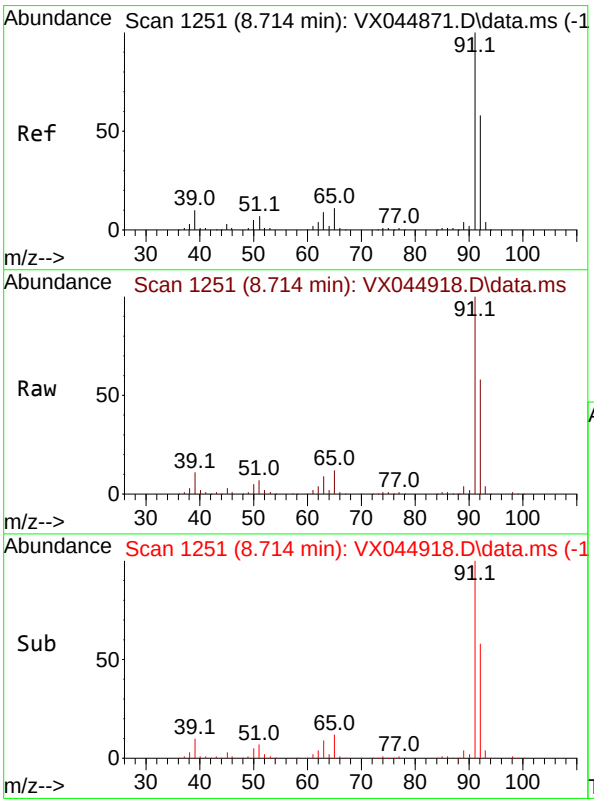
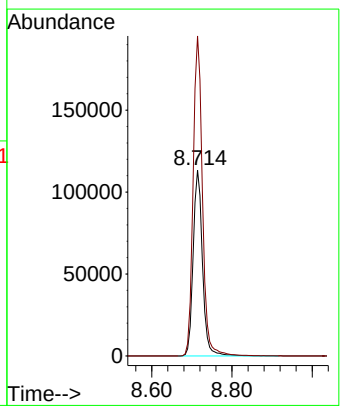


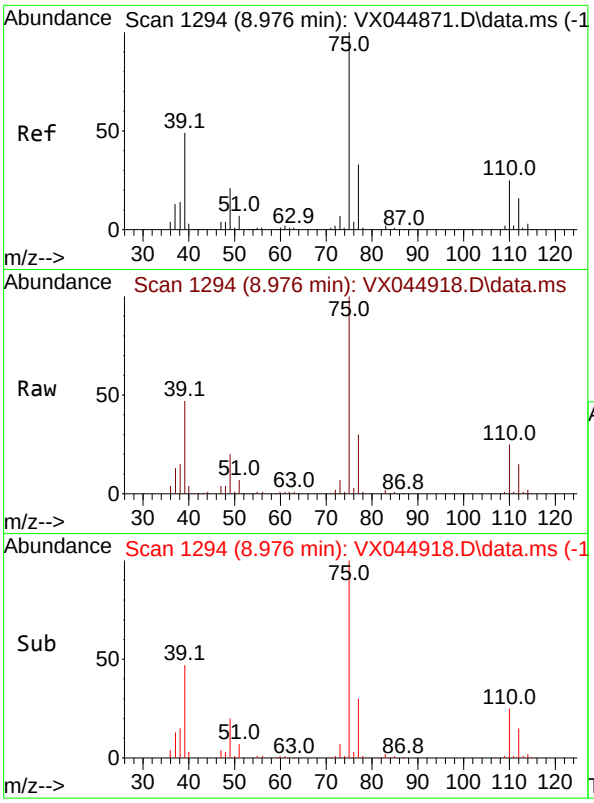


#52
Toluene
Concen: 50.199 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 92 Resp: 182775

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.4	206.2





#53
t-1,3-Dichloropropene
Concen: 48.347 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 9992

Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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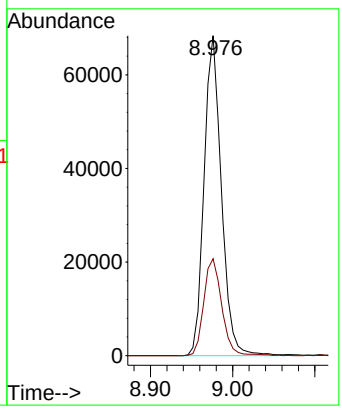
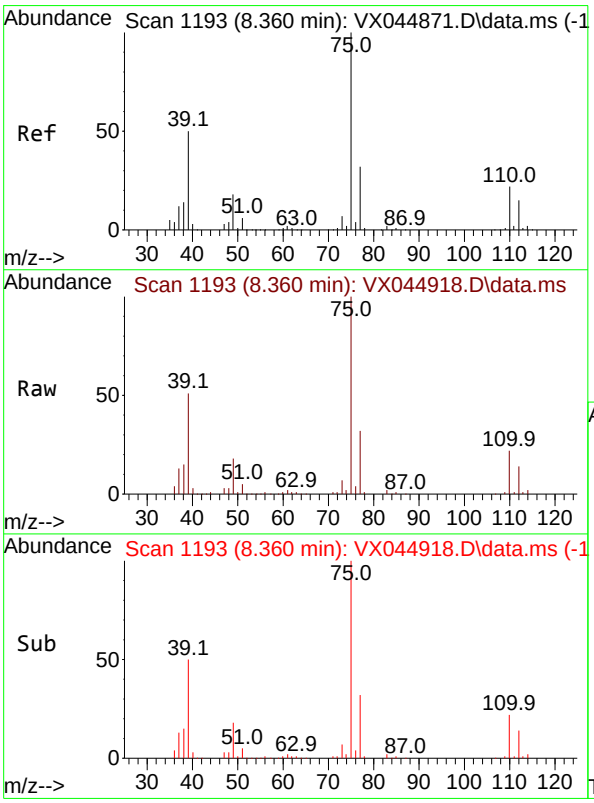
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

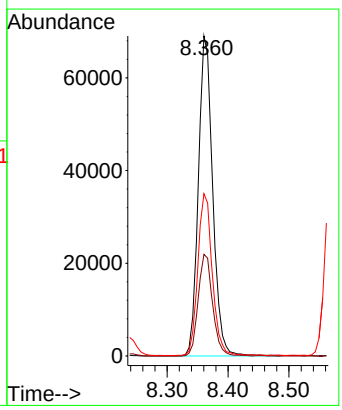


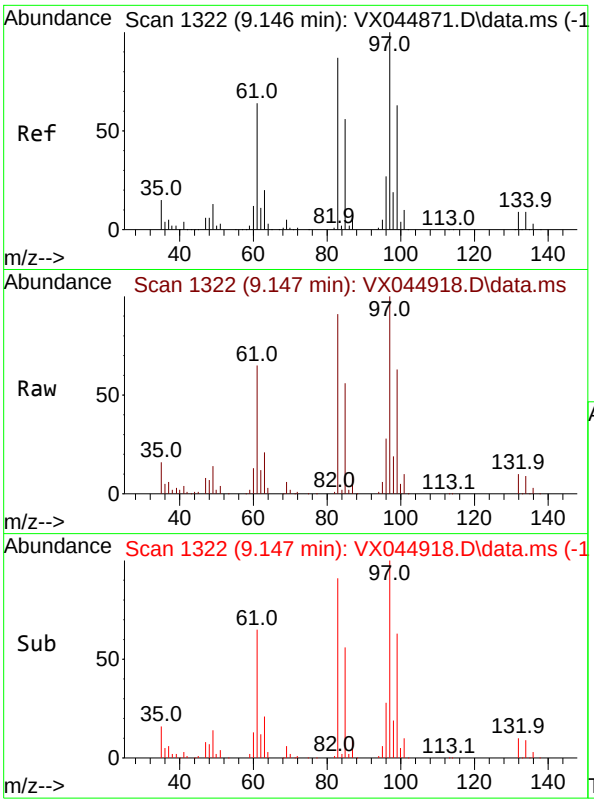


#54
cis-1,3-Dichloropropene
Concen: 49.051 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 113036

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9
39	50.5	40.0	60.0





#55
1,1,2-Trichloroethane
Concen: 50.149 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 97 Resp: 7019

Ion	Ratio	Lower	Upper
97	100		
83	90.6	69.8	104.6
85	55.7	44.8	67.2
99	62.8	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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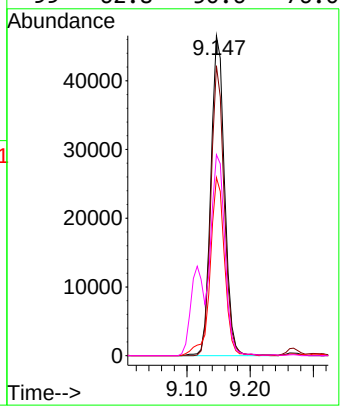
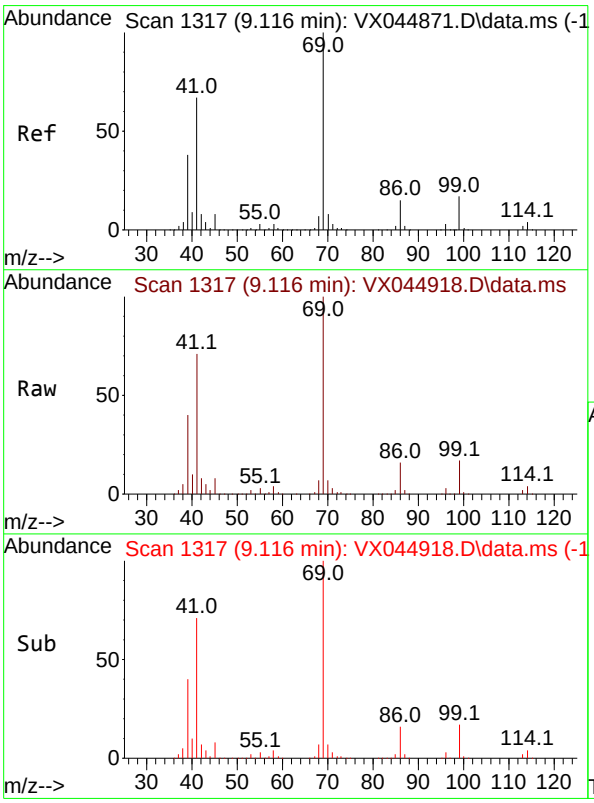
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

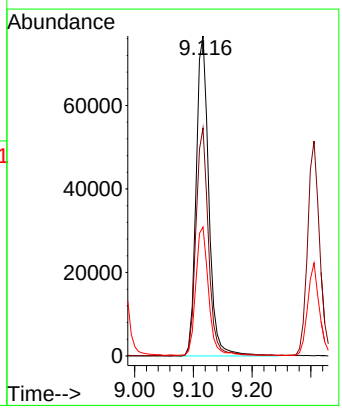


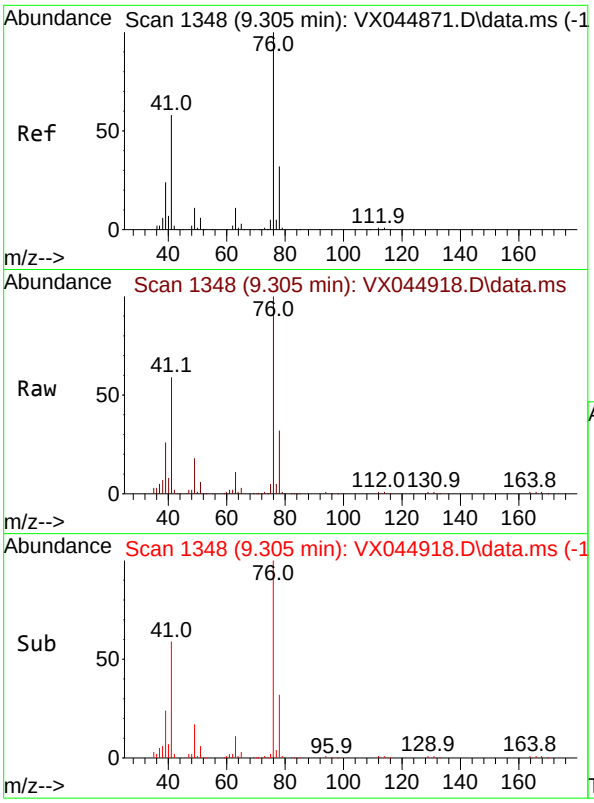


#56
Ethyl methacrylate
Concen: 50.884 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 69 Resp: 115029

Ion	Ratio	Lower	Upper
69	100		
41	70.6	55.2	82.8
39	40.3	30.8	46.2





#57
1,3-Dichloropropane
Concen: 50.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 76 Resp: 12339

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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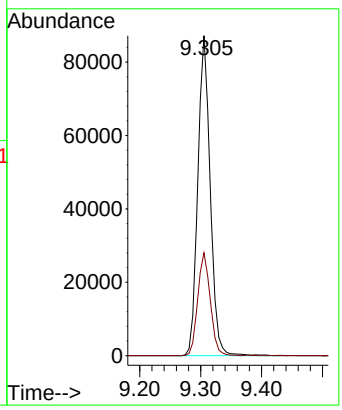
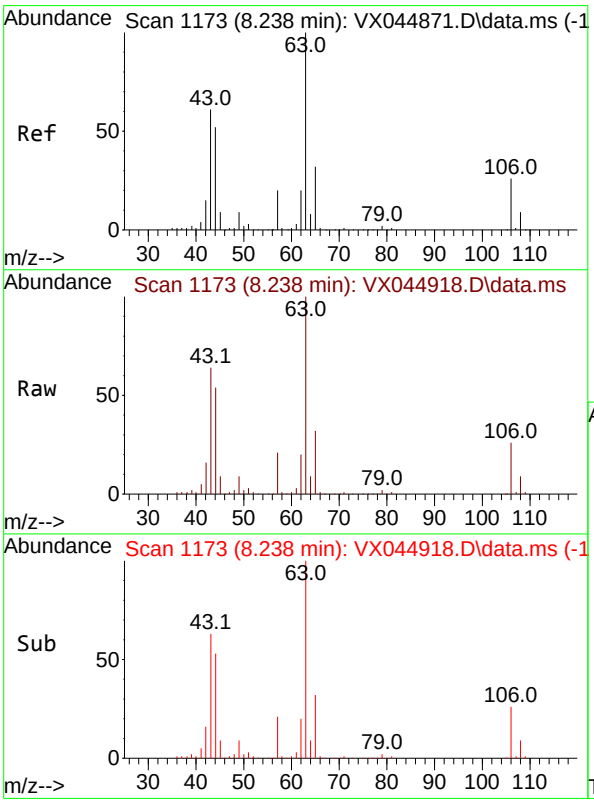
Supervised By :Mahesh Dadoda 02/12/2025

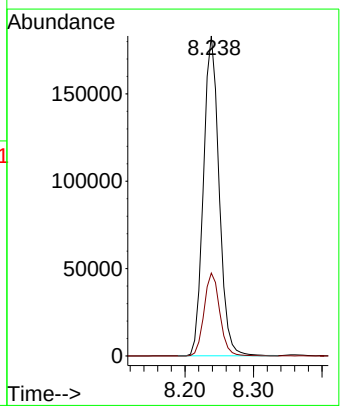


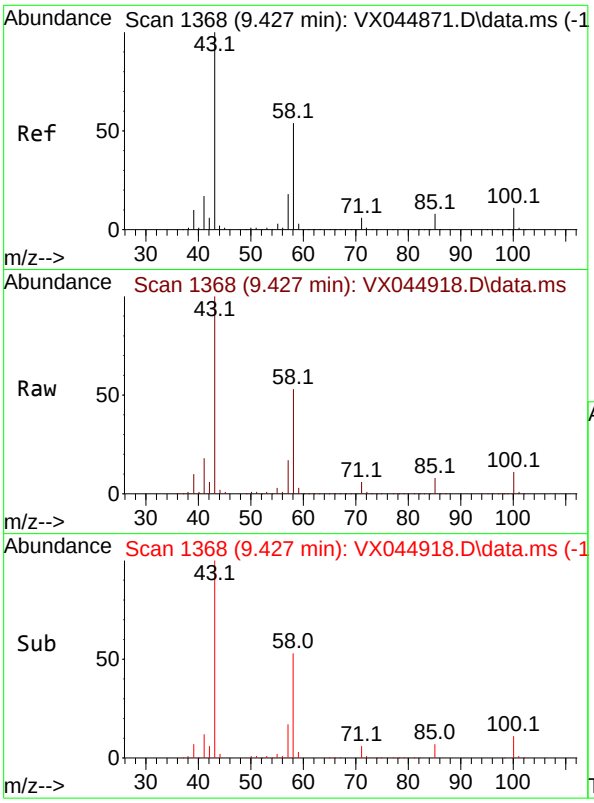


#58
2-Chloroethyl Vinyl ether
Concen: 262.486 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 63 Resp: 291354

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.3	31.9





#59
2-Hexanone
Concen: 268.451 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 41352

Ion	Ratio	Lower	Upper
43	100		
58	53.6	27.5	82.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
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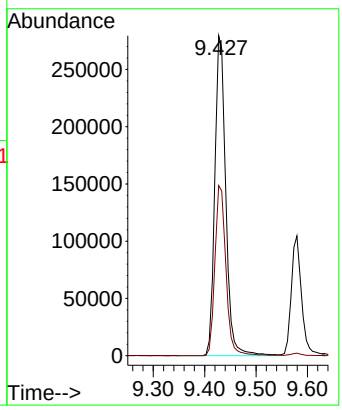
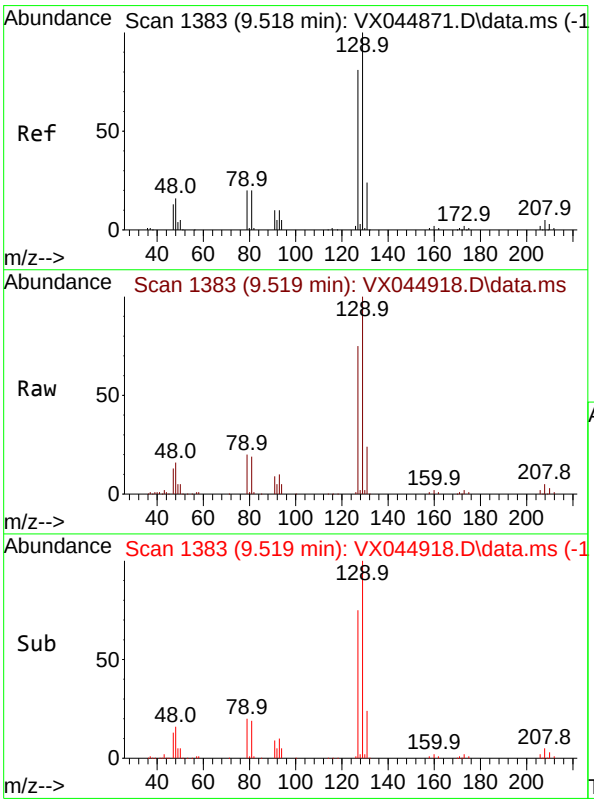
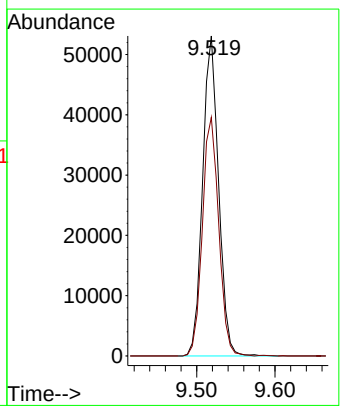


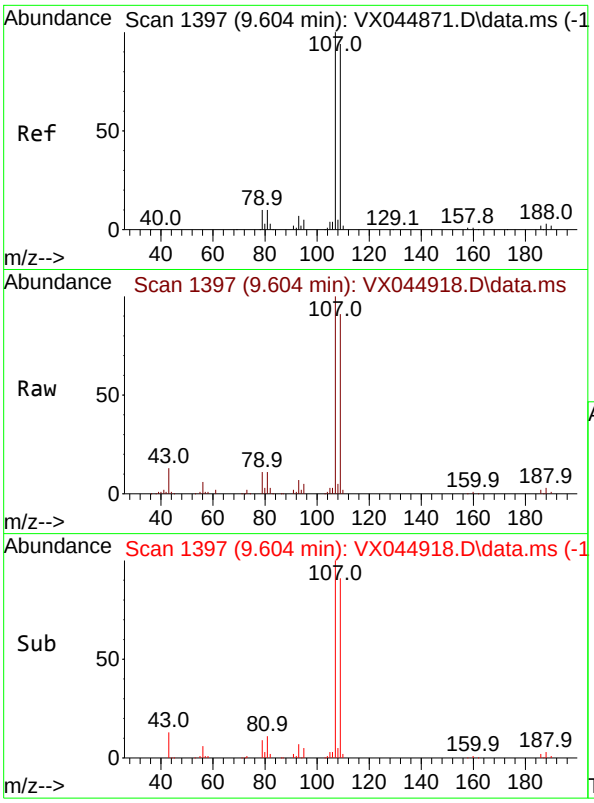


#60
Dibromochloromethane
Concen: 50.063 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:129 Resp: 74939

Ion	Ratio	Lower	Upper
129	100		
127	76.3	39.1	117.3





#61
1,2-Dibromoethane
Concen: 51.047 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:107 Resp: 7241

Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.9	113.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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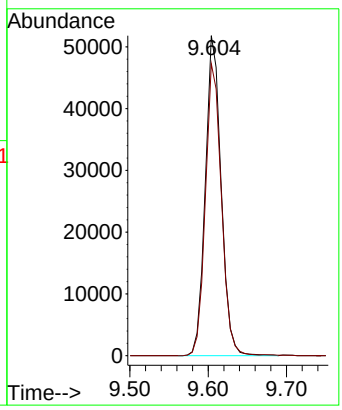
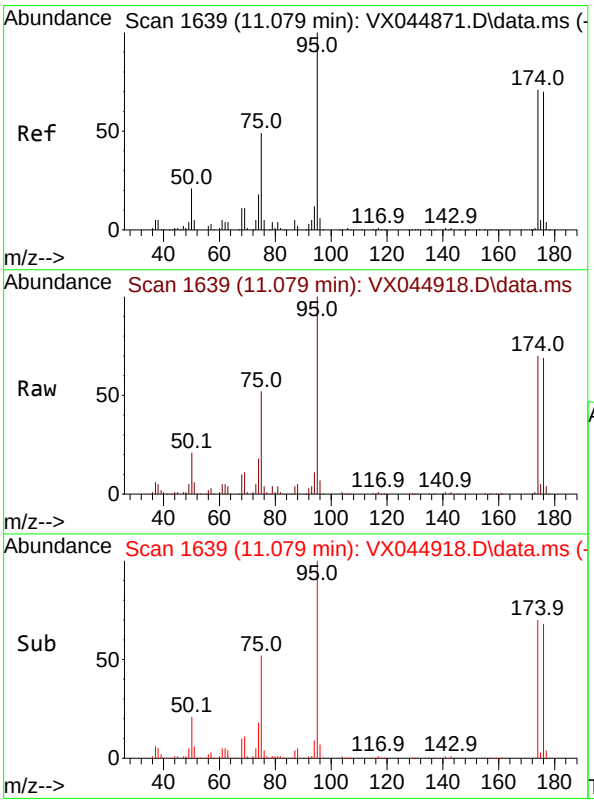
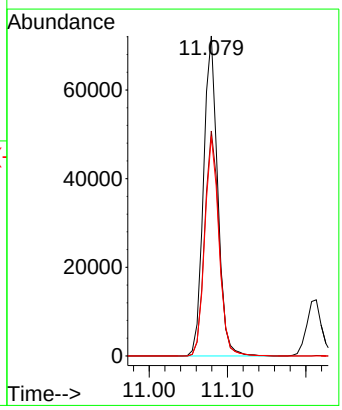


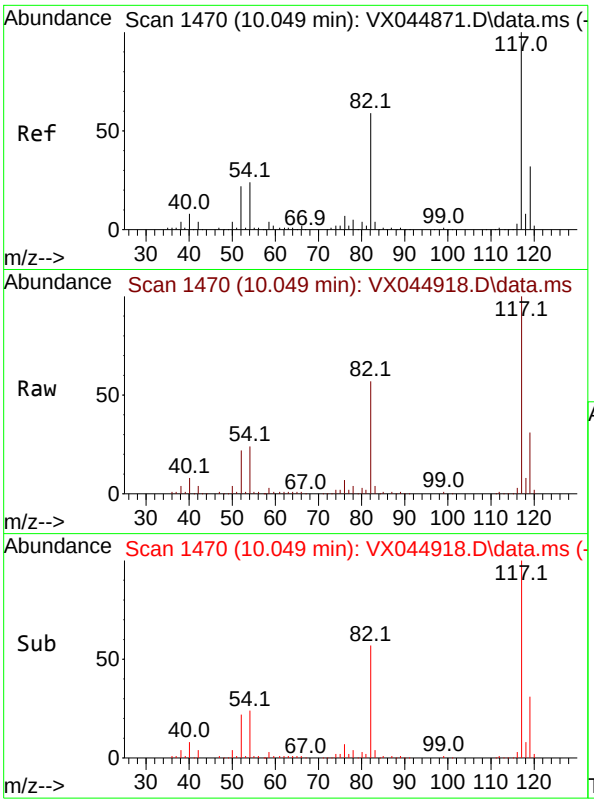


#62
4-Bromofluorobenzene
Concen: 52.355 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 95 Resp: 90574

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	142.6
176	68.7	0.0	141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:117 Resp: 185334

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.5	71.3
119	31.2	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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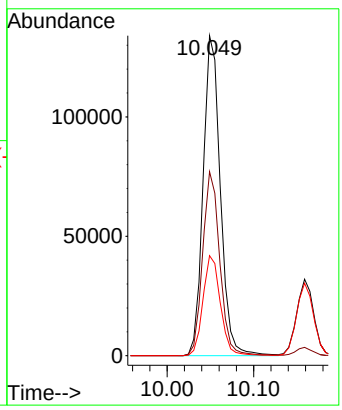
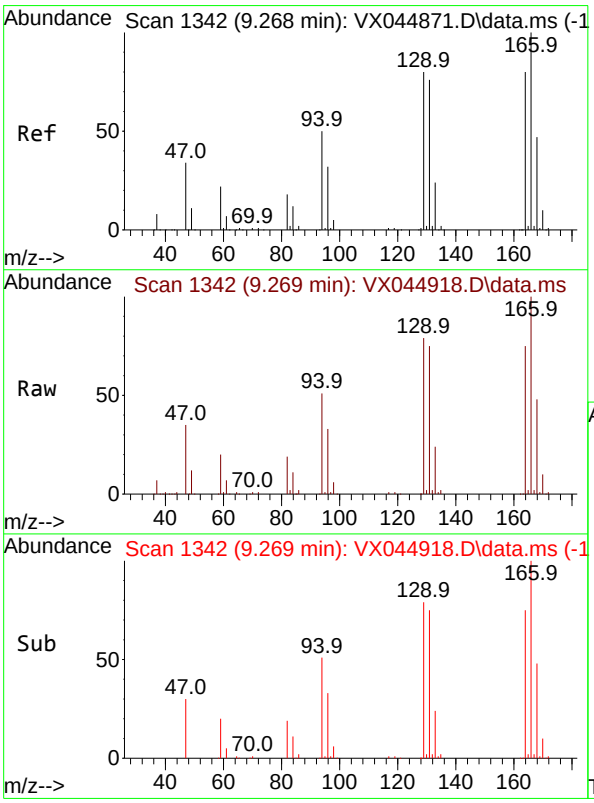
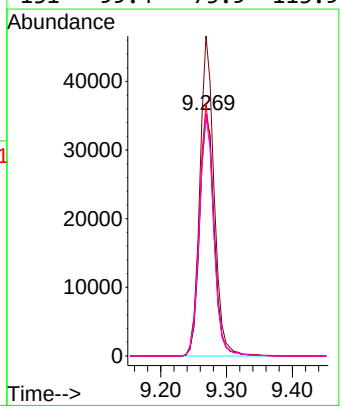


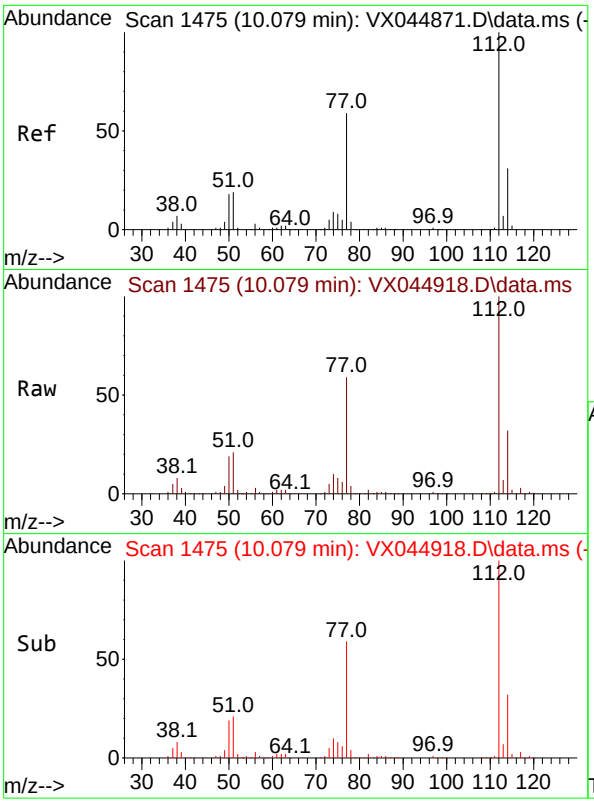


#64
Tetrachloroethene
Concen: 46.738 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:164 Resp: 54627

Ion	Ratio	Lower	Upper
164	100		
166	132.8	100.4	150.6
129	104.6	79.9	119.9
131	99.4	75.9	113.9





#65
Chlorobenzene
Concen: 48.179 ug/l
RT: 10.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

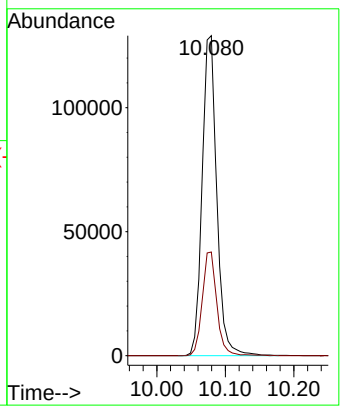
Tgt Ion:112 Resp: 19178

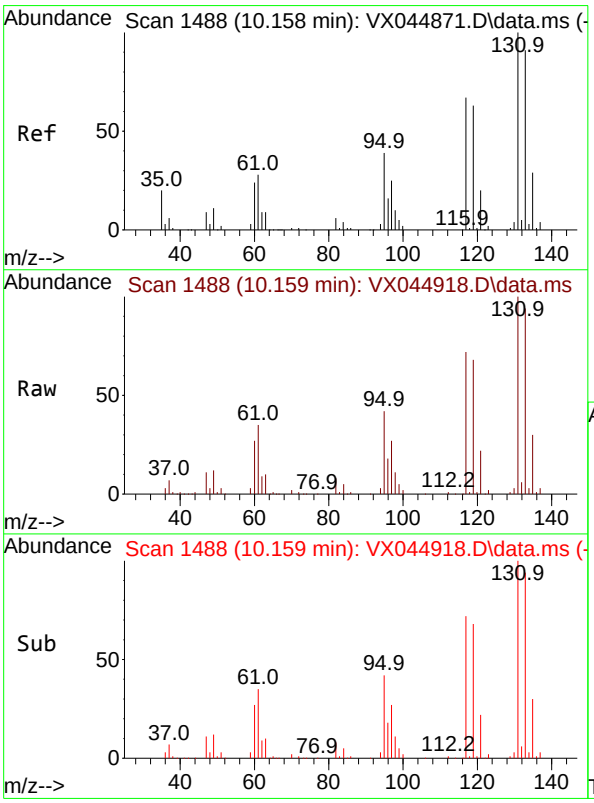
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

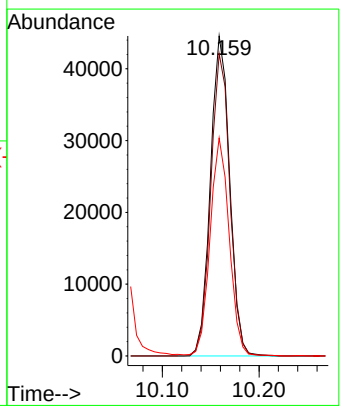


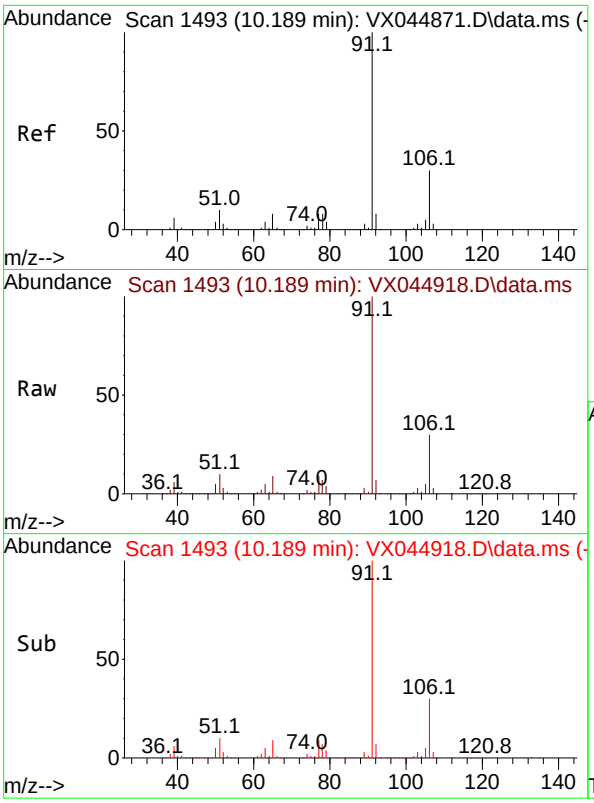


#66
1,1,1,2-Tetrachloroethane
Concen: 48.081 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:131 Resp: 61604

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.1	141.3
119	67.9	33.6	100.6





#67
Ethyl Benzene
Concen: 49.286 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 91 Resp: 34621

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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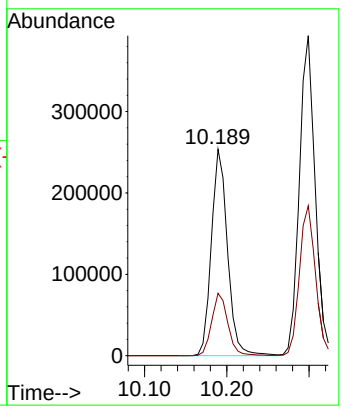
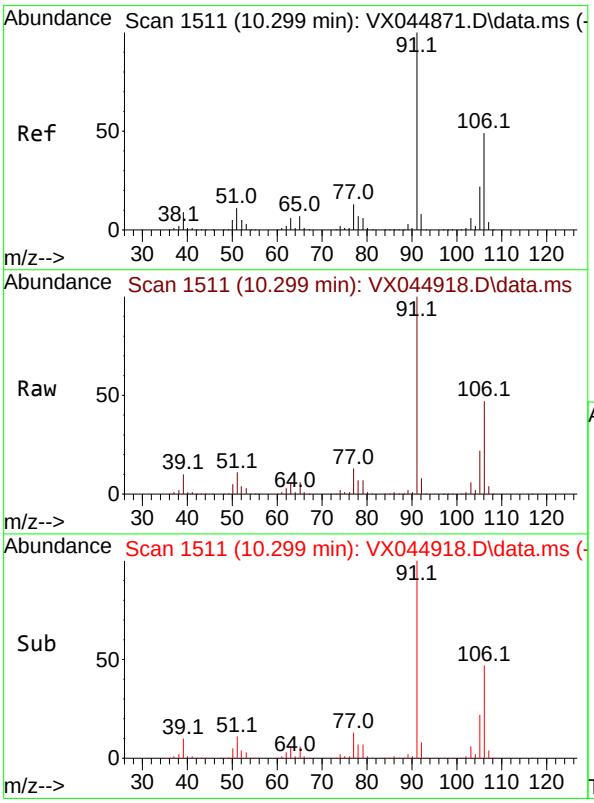
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

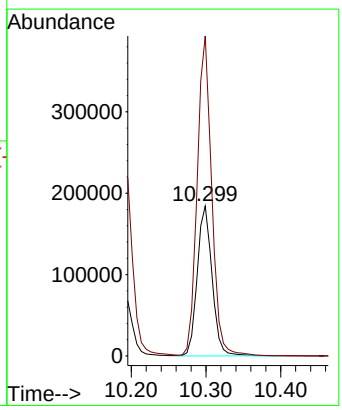


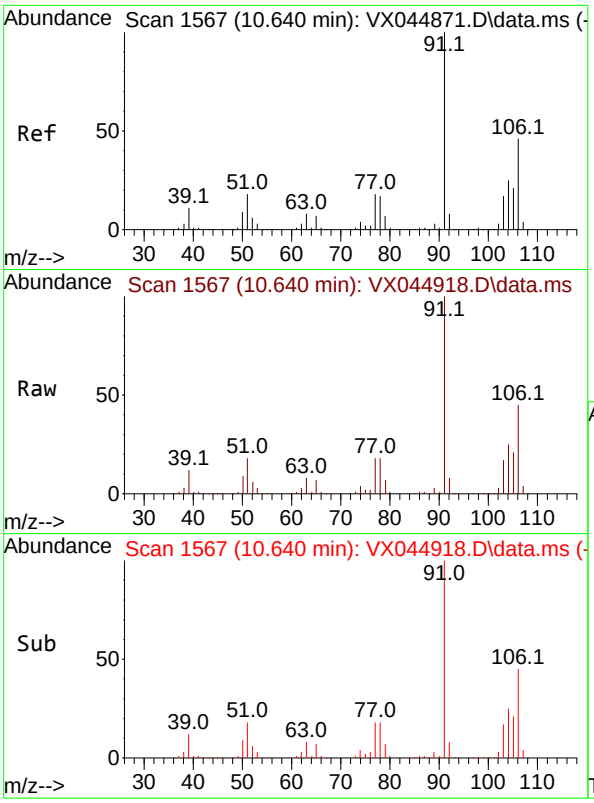


#68
m/p-Xylenes
Concen: 97.924 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:106 Resp: 253750

Ion	Ratio	Lower	Upper
106	100		
91	209.5	164.3	246.5





#69
o-Xylene
Concen: 48.465 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:106 Resp: 12601

Ion	Ratio	Lower	Upper
106	100		
91	220.1	108.5	325.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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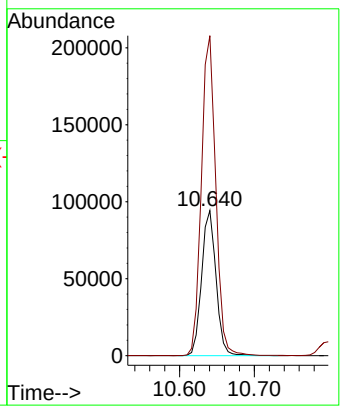
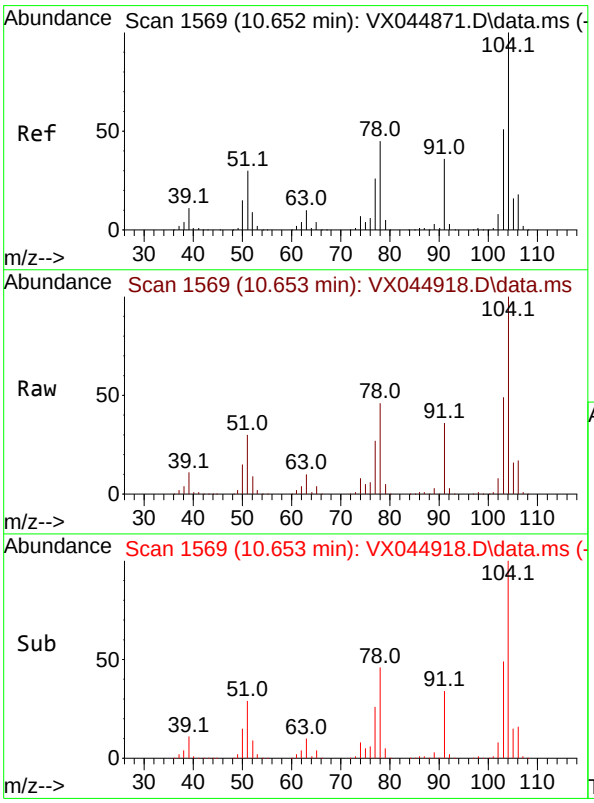
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

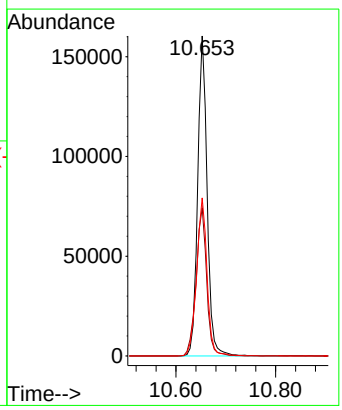


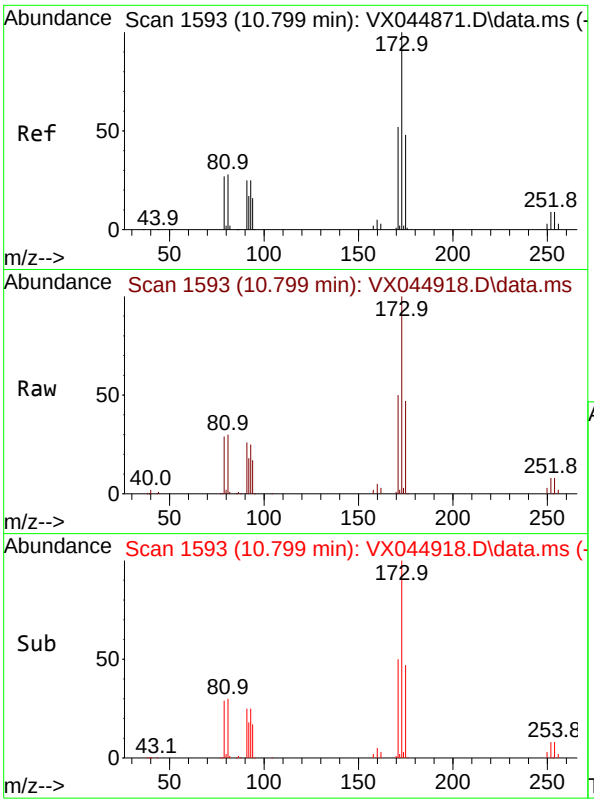


#70
Styrene
Concen: 50.389 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:104 Resp: 211083

Ion	Ratio	Lower	Upper
104	100		
78	51.6	40.5	60.7
103	54.6	43.6	65.4





#71
Bromoform
Concen: 49.045 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:173 Resp: 4689

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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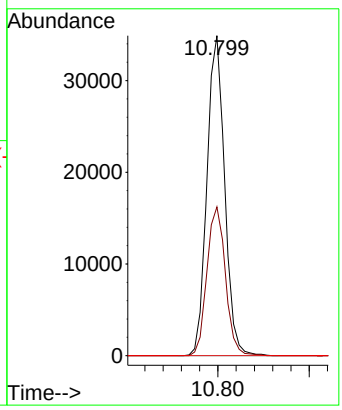
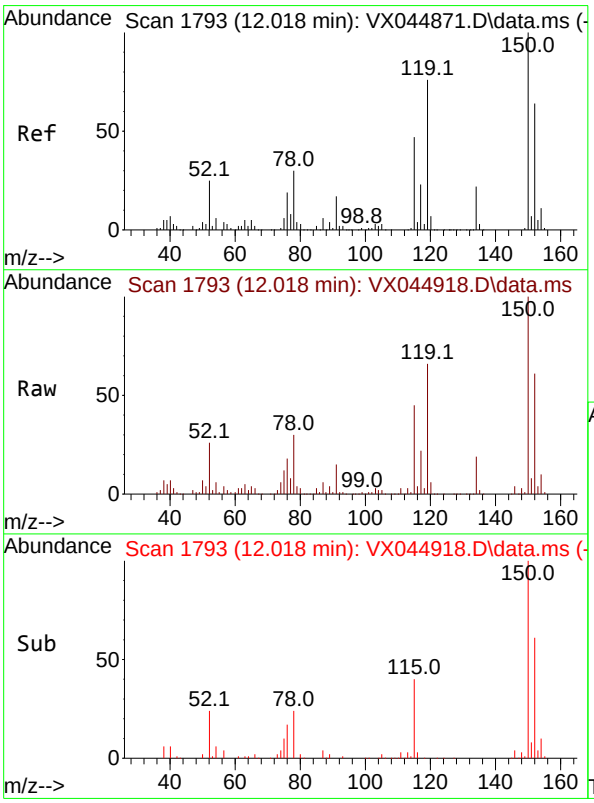
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

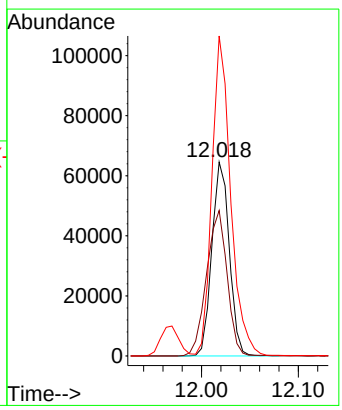


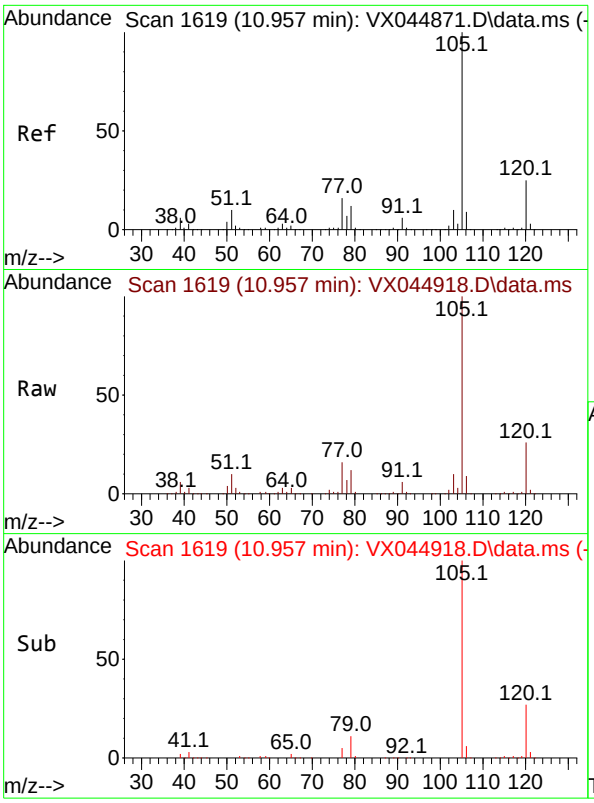


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:152 Resp: 80910

Ion	Ratio	Lower	Upper
152	100		
115	88.6	43.4	130.1
150	177.4	0.0	350.4





#73
Isopropylbenzene
Concen: 49.916 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:105 Resp: 32519!

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 02/12/2025
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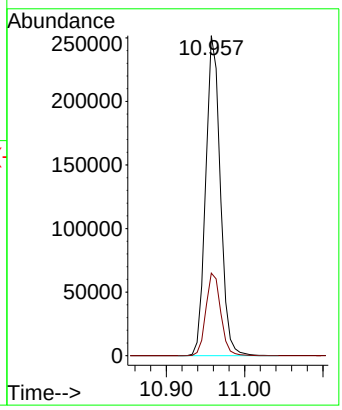
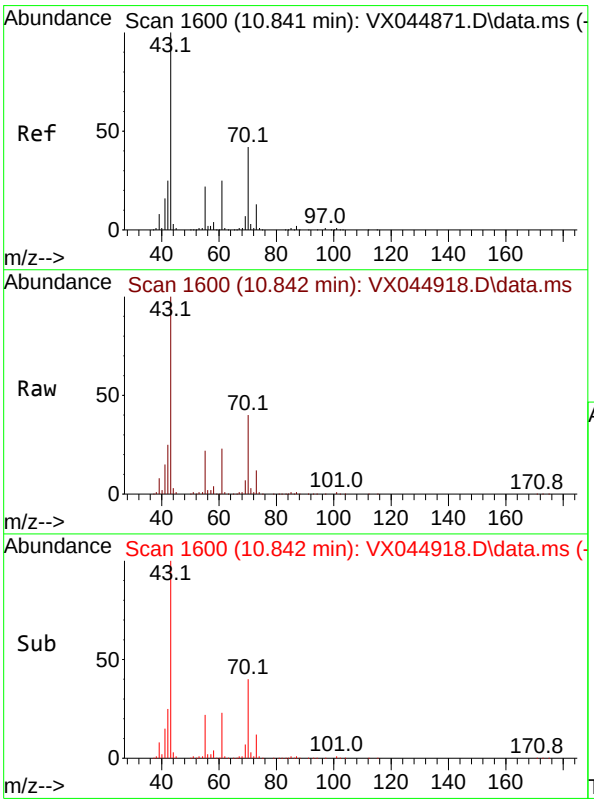
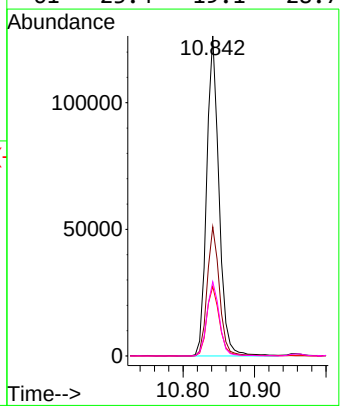


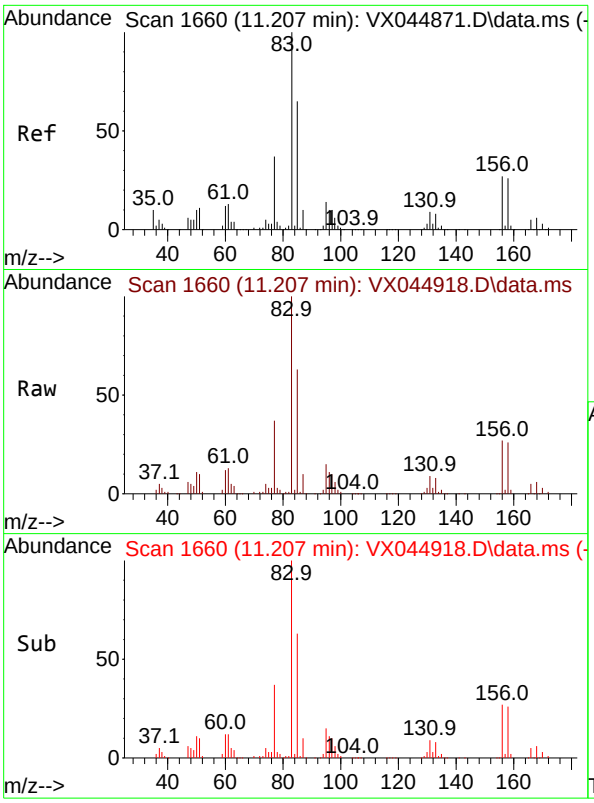


#74
N-amyl acetate
Concen: 51.312 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 151270

Ion	Ratio	Lower	Upper
43	100		
70	40.2	33.7	50.5
55	22.5	18.6	27.8
61	23.4	19.1	28.7





#75
1,1,2,2-Tetrachloroethane
Concen: 49.048 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 83 Resp: 10980

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.5
85	63.9	32.3	96.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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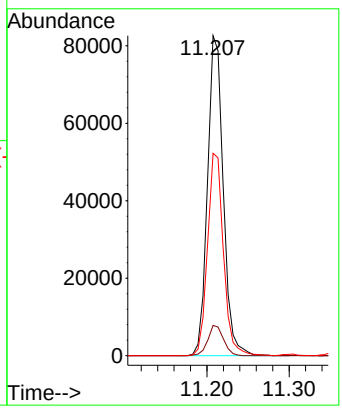
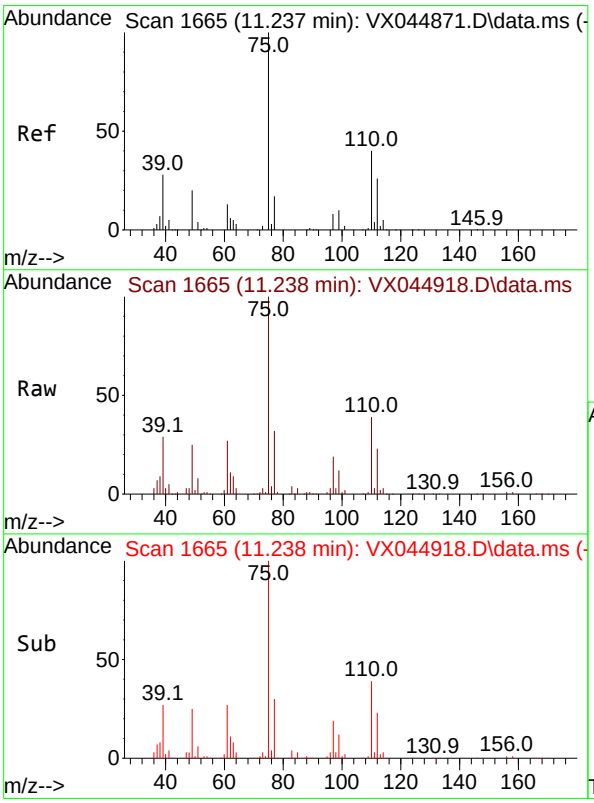
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

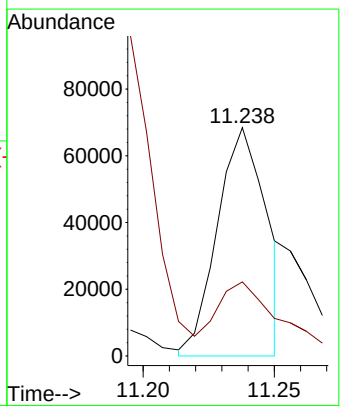


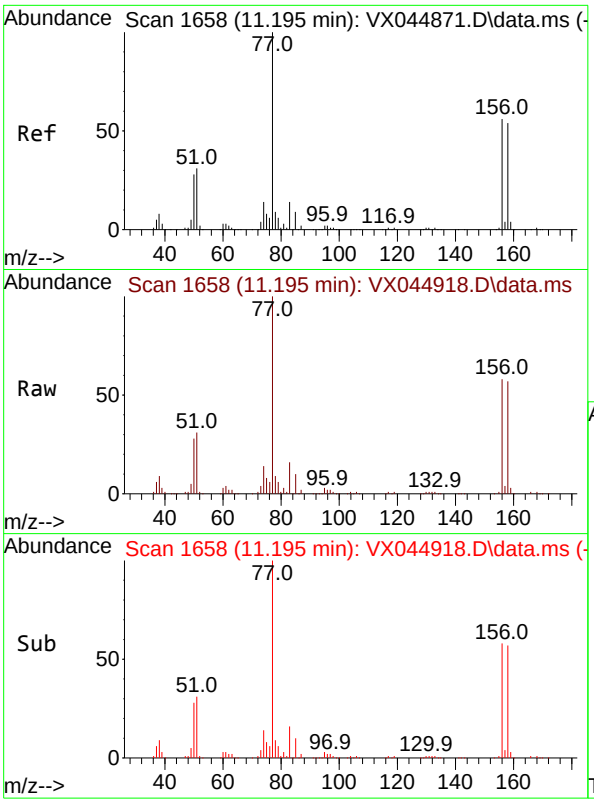


#76
1,2,3-Trichloropropane
Concen: 49.852 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 89430

Ion	Ratio	Lower	Upper
75	100		
77	42.2	21.9	65.7





#77
Bromobenzene
Concen: 49.464 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:156 Resp: 7305

Ion	Ratio	Lower	Upper
156	100		
77	174.7	88.4	265.3
158	97.7	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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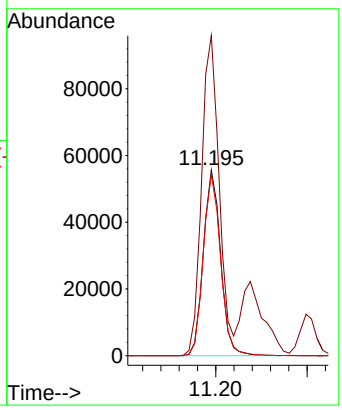
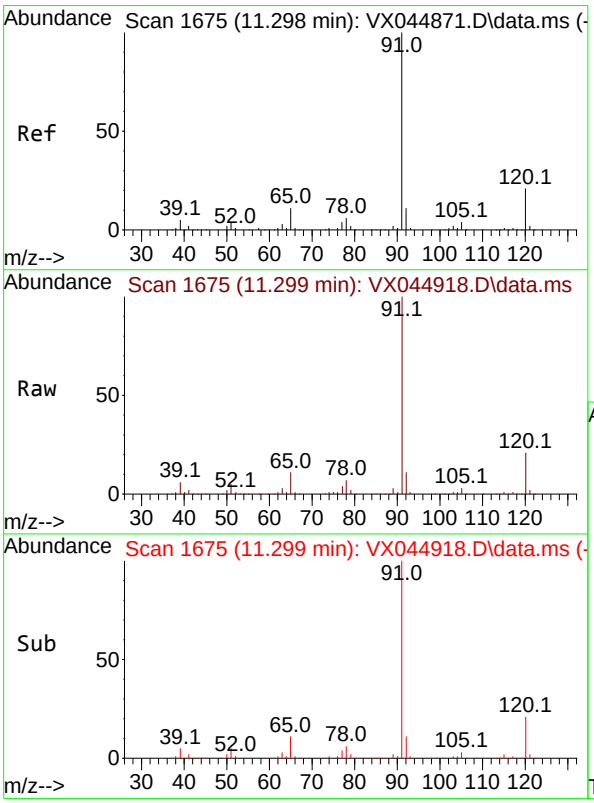
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

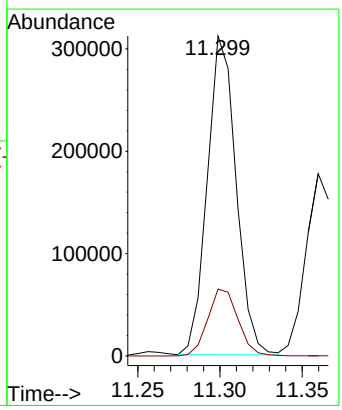


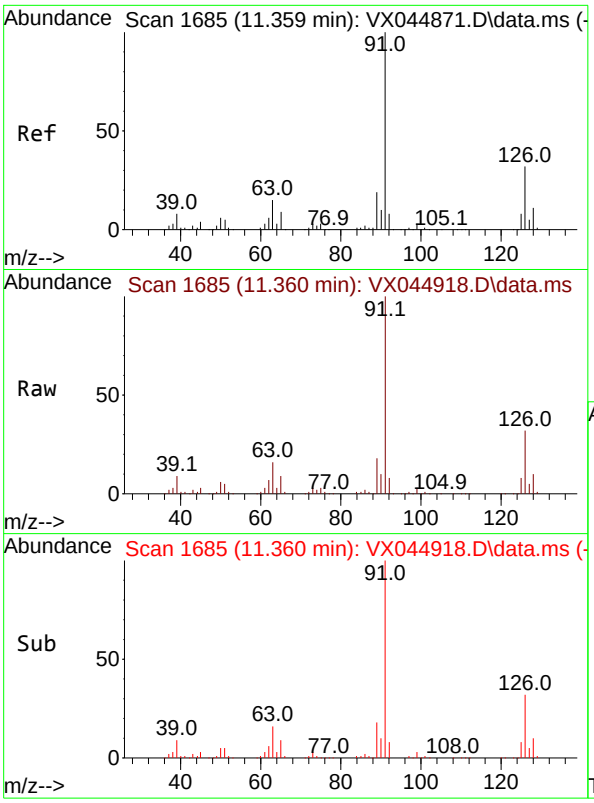


#78
n-propylbenzene
Concen: 50.468 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 91 Resp: 379500

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3





#79
2-Chlorotoluene
Concen: 48.410 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 91 Resp: 22372

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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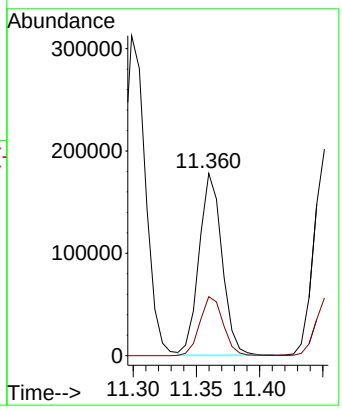
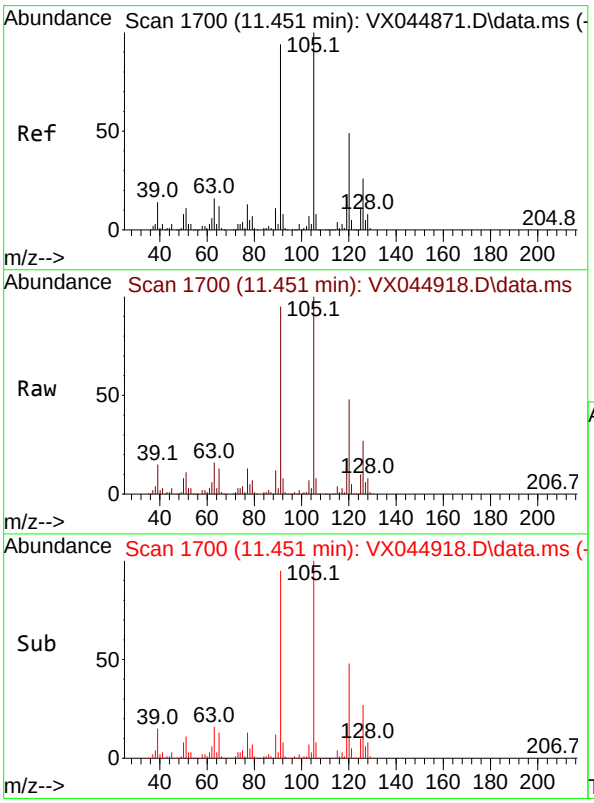
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

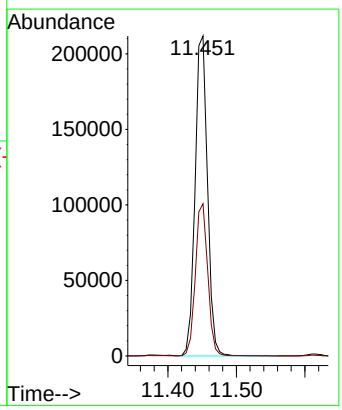


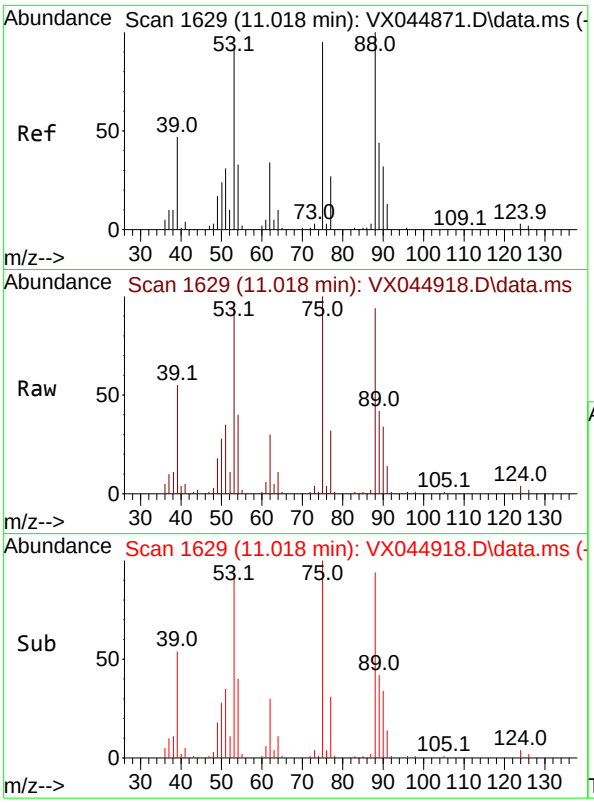


#80
1,3,5-Trimethylbenzene
Concen: 50.528 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:105 Resp: 267127

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 45.171 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 3150

Ion	Ratio	Lower	Upper
75	100		
53	101.4	78.0	117.0
89	43.6	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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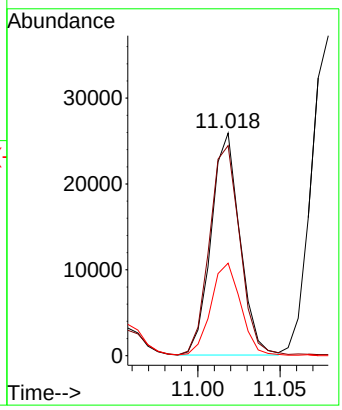
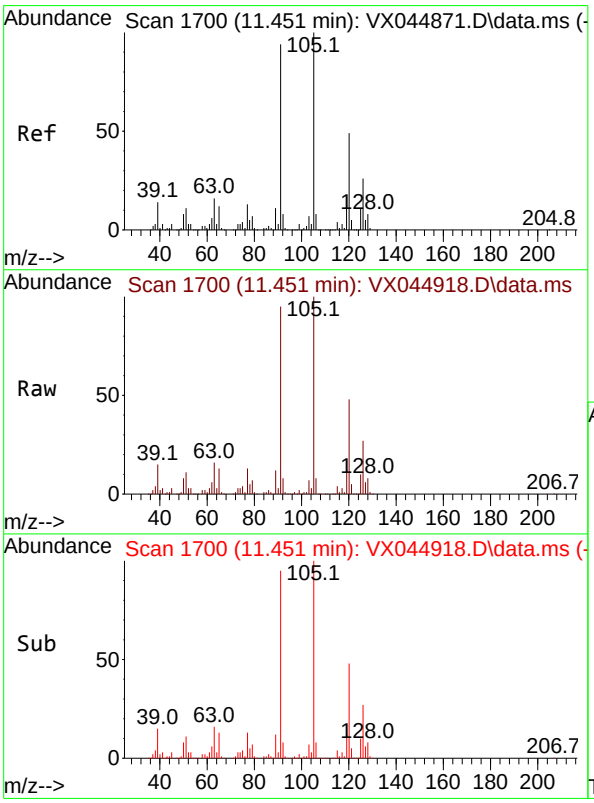
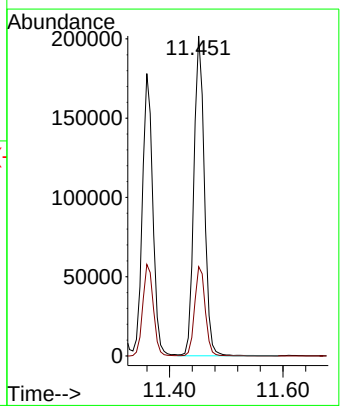


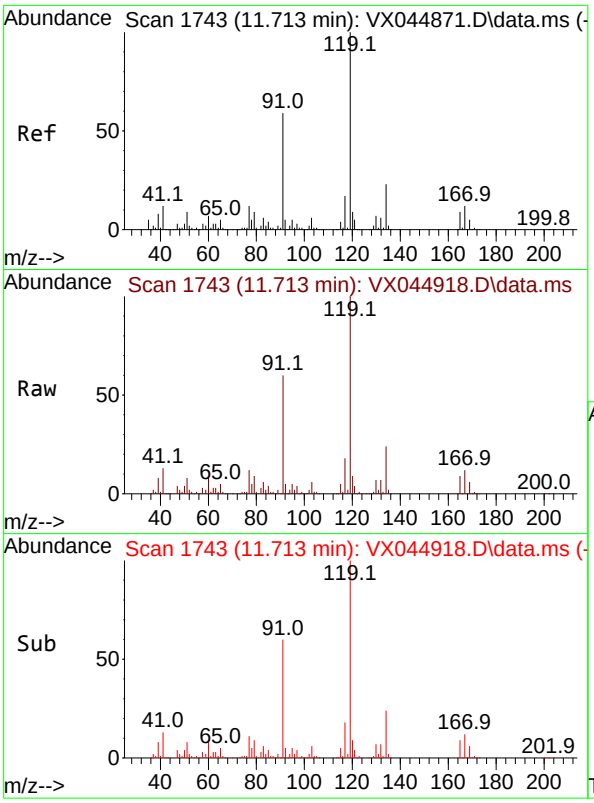


#82
4-Chlorotoluene
Concen: 50.364 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 91 Resp: 257507

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6





#83
tert-Butylbenzene
Concen: 49.697 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:119 Resp: 26579

Ion	Ratio	Lower	Upper
119	100		
91	58.4	29.1	87.4
134	23.2	11.5	34.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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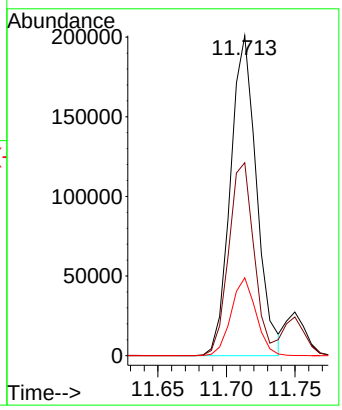
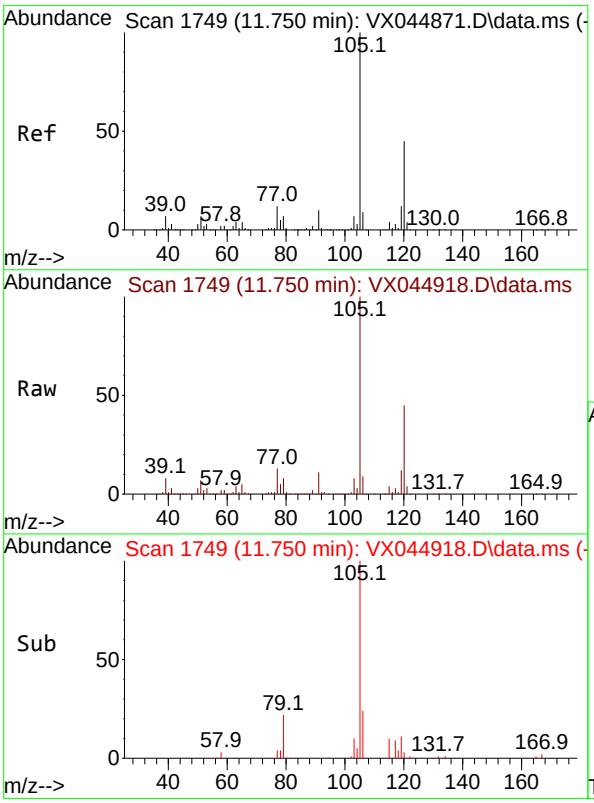
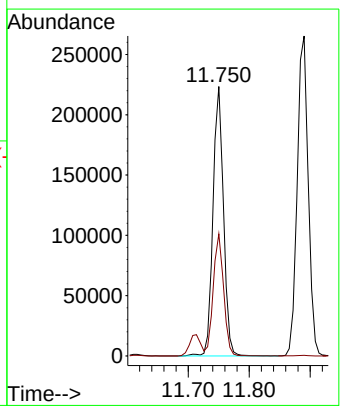


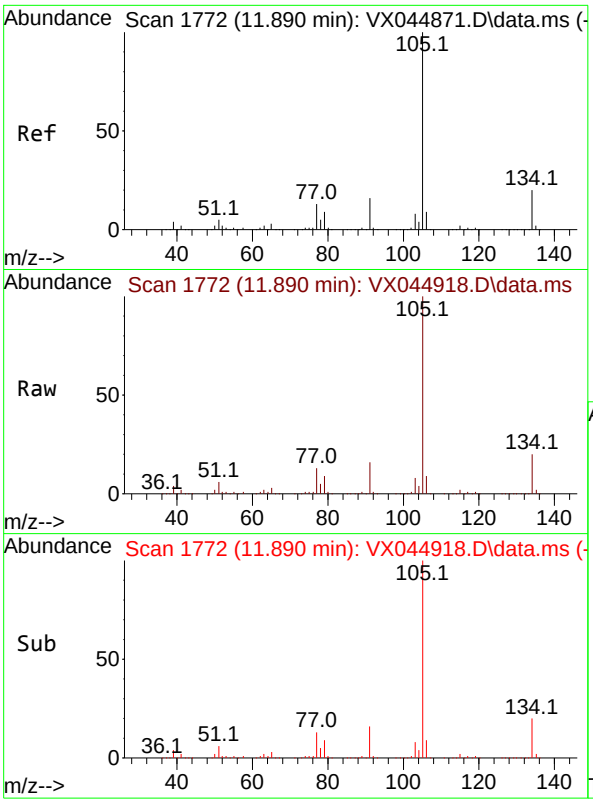


#84
1,2,4-Trimethylbenzene
Concen: 51.168 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:105 Resp: 266991

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0





#85
sec-Butylbenzene
Concen: 50.433 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:105 Resp: 33400

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
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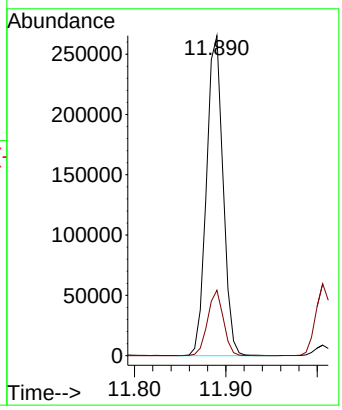
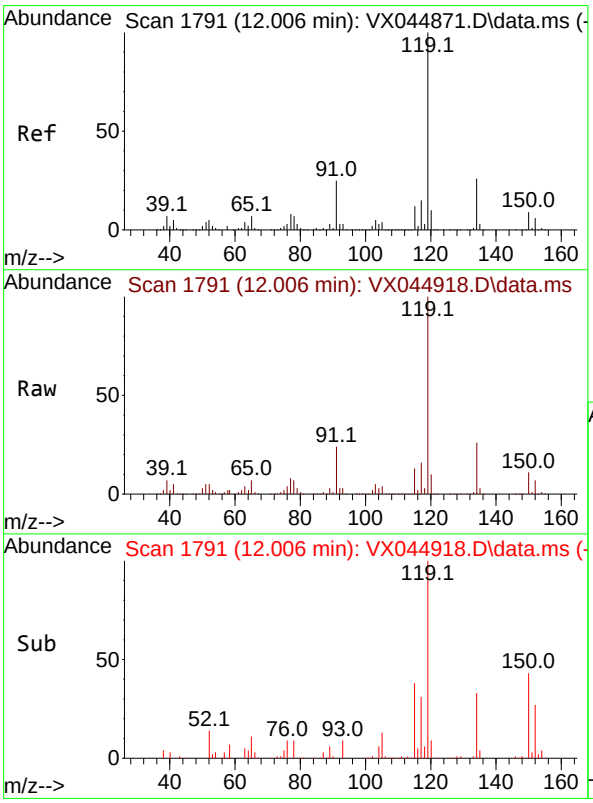
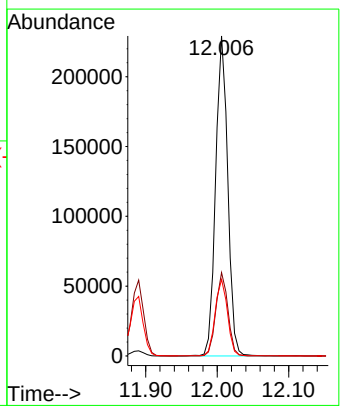


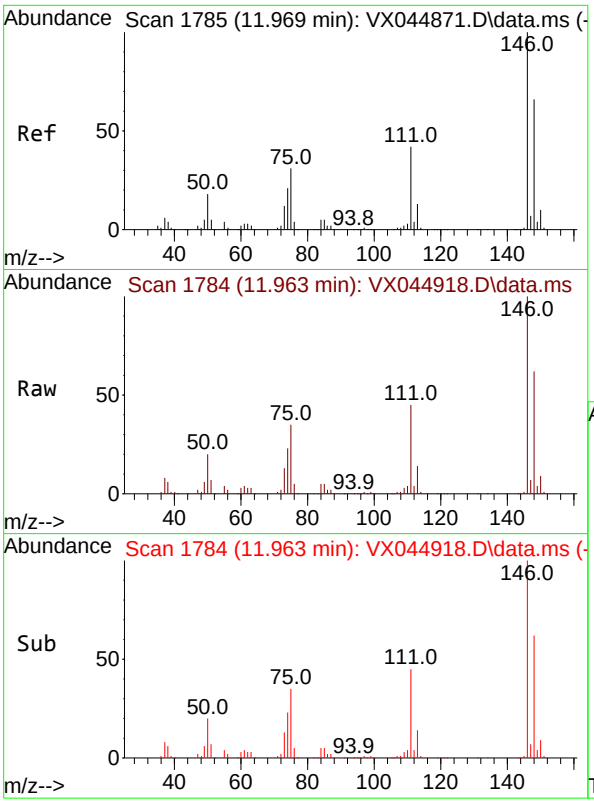


#86
p-Isopropyltoluene
Concen: 50.599 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:119 Resp: 269485

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.3	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 48.692 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

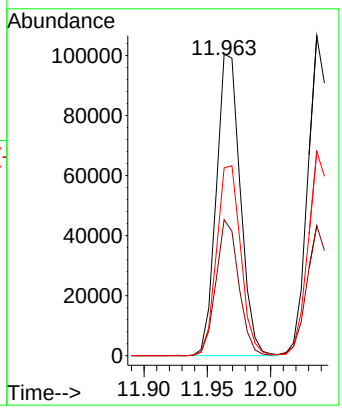
Tgt Ion:146 Resp: 13225

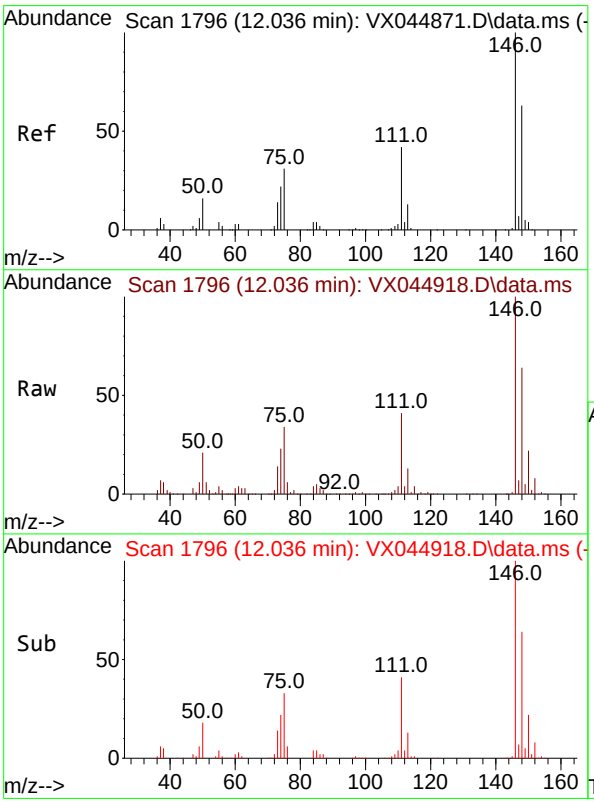
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.2	63.6
148	63.5	32.5	97.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

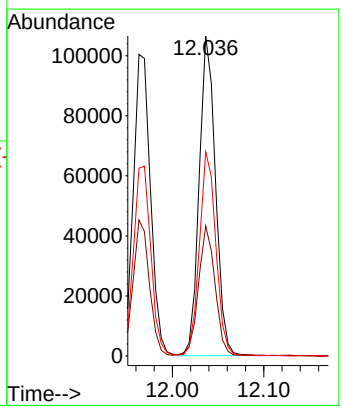


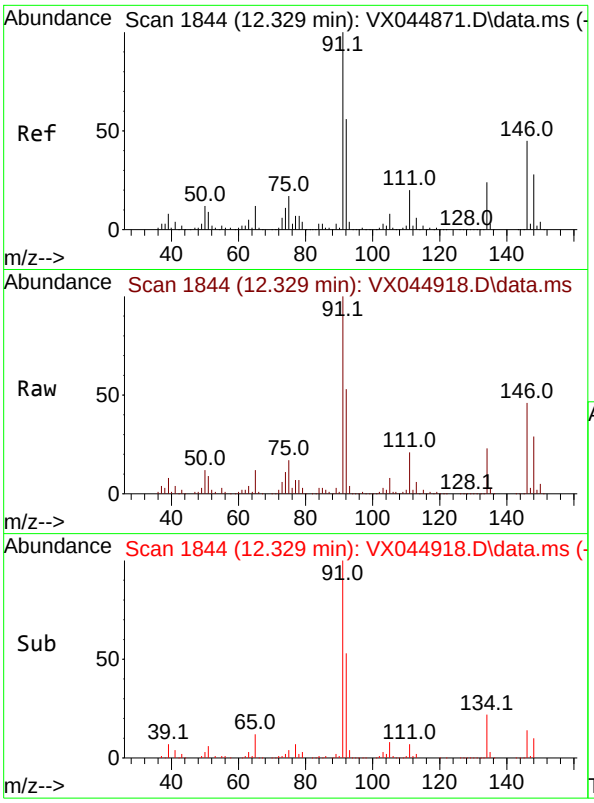


#88
1,4-Dichlorobenzene
Concen: 48.007 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:146 Resp: 131837

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	64.9	32.0	96.0





#89
n-Butylbenzene
Concen: 51.376 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

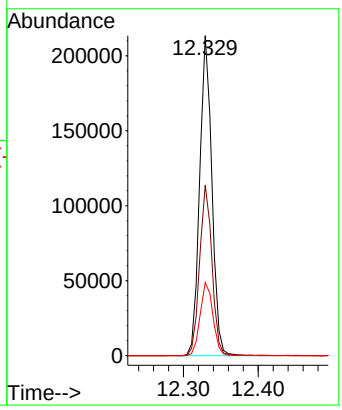
Tgt Ion: 91 Resp: 24206

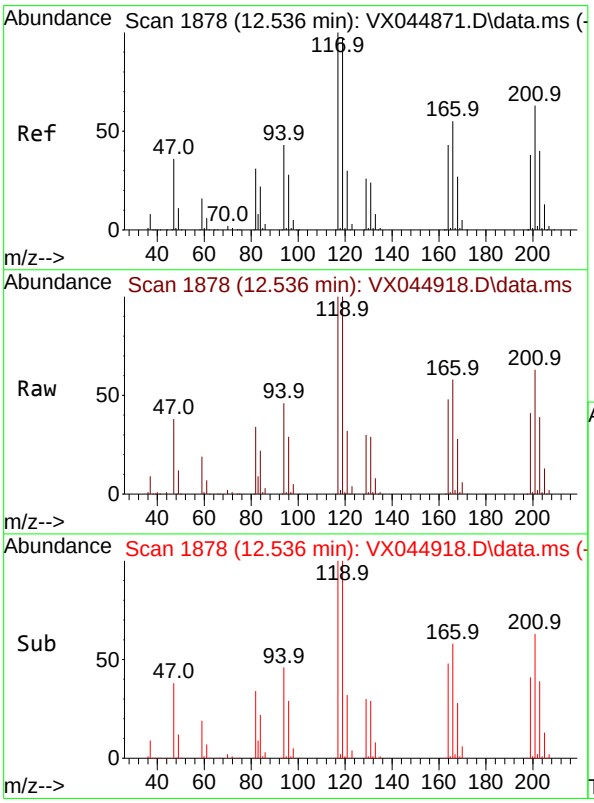
Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.6
134	24.1	12.1	36.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

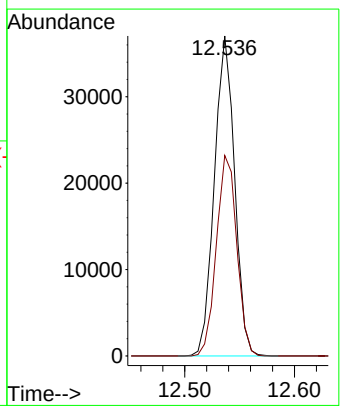


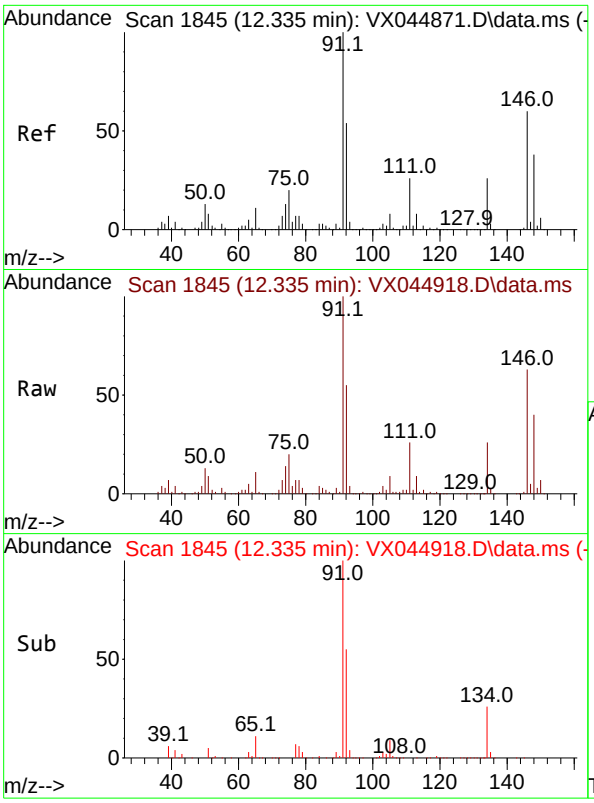


#90
Hexachloroethane
Concen: 47.657 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:117 Resp: 47525

Ion	Ratio	Lower	Upper
117	100		
201	63.3	32.5	97.5





#91
1,2-Dichlorobenzene
Concen: 50.047 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

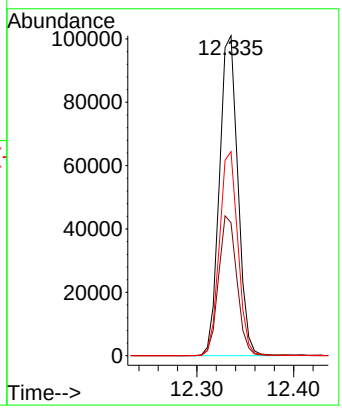
Tgt Ion:146 Resp: 133599

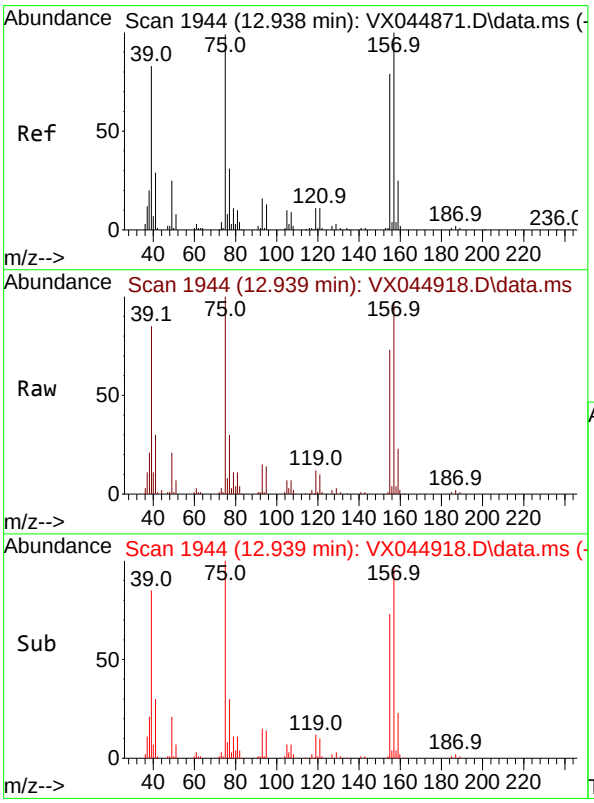
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.4
148	63.7	31.9	95.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

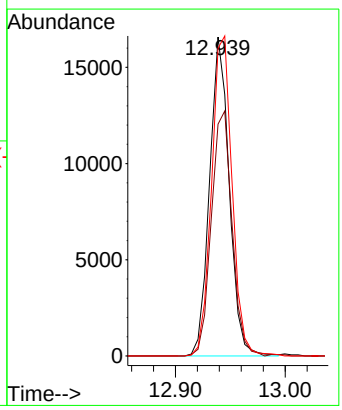


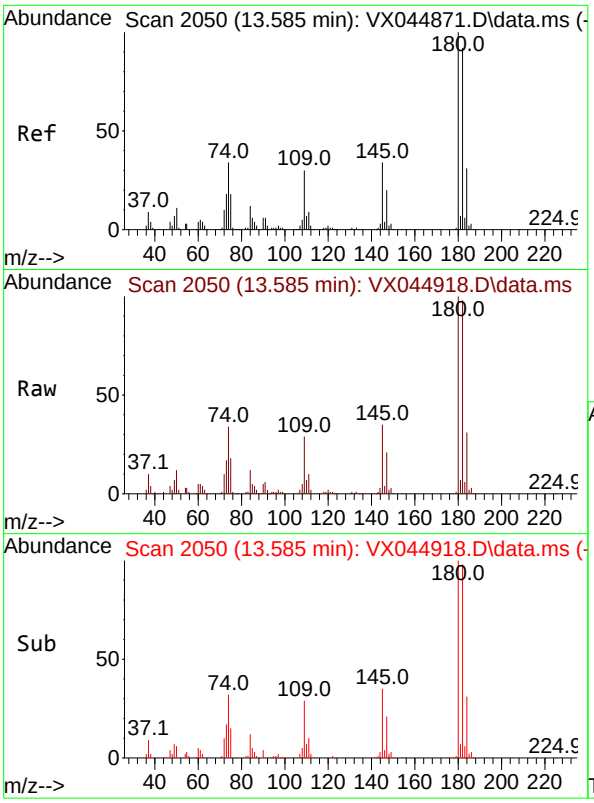


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.565 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 20660

Ion	Ratio	Lower	Upper
75	100		
155	80.9	40.5	121.4
157	104.9	51.4	154.3





#93
1,2,4-Trichlorobenzene
Concen: 49.345 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

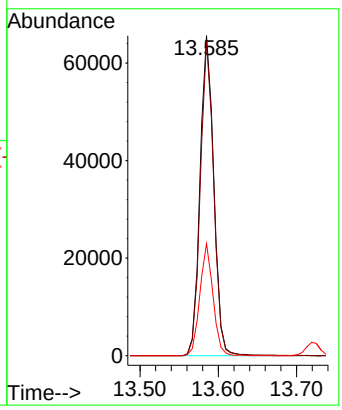
Tgt Ion:180 Resp: 7970(

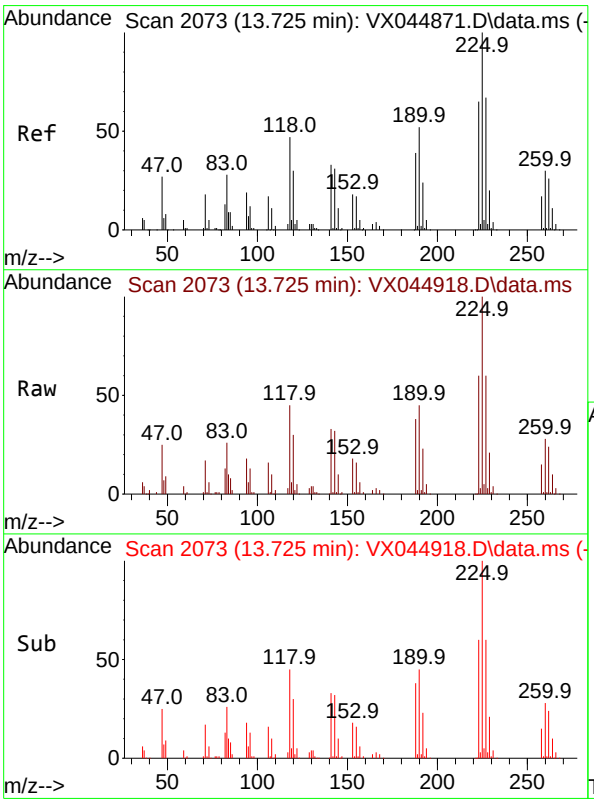
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	33.5	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

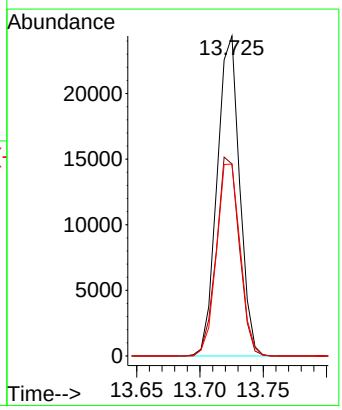


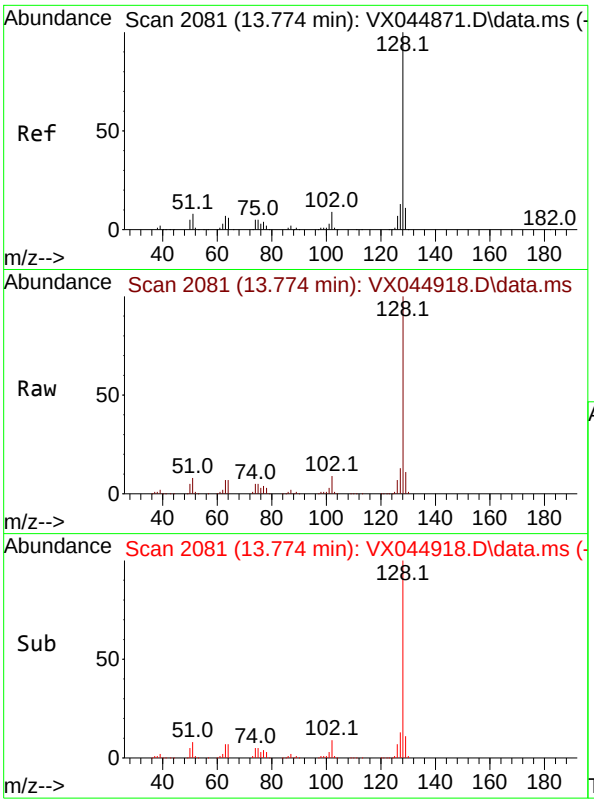


#94
Hexachlorobutadiene
Concen: 46.929 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:225 Resp: 30093

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.2
227	63.0	32.3	96.8





#95
Naphthalene
Concen: 51.251 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

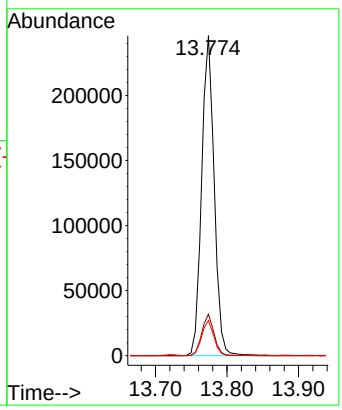
Tgt Ion:128 Resp: 29925(

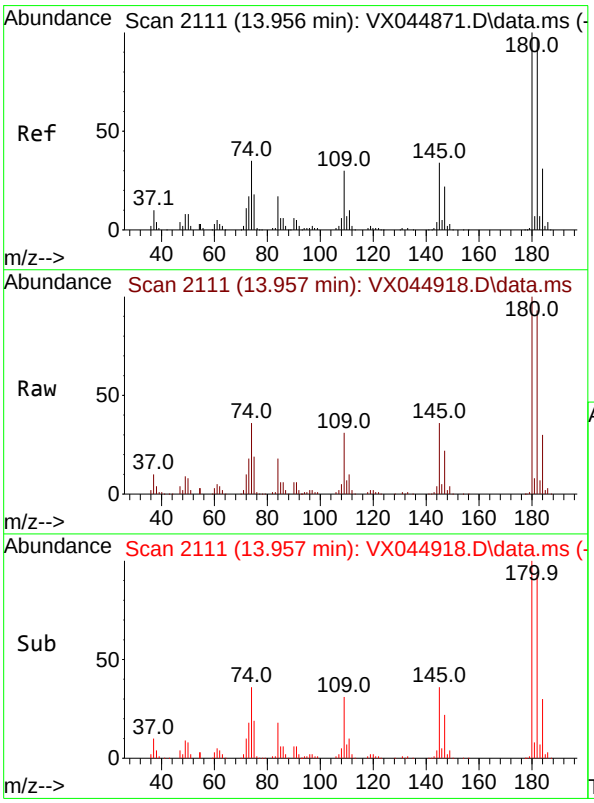
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

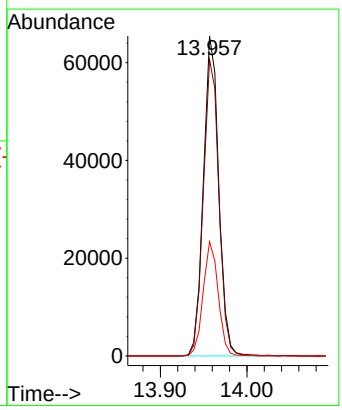




#96
1,2,3-Trichlorobenzene
Concen: 49.658 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:180 Resp: 80826

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.6
145	35.0	17.1	51.3



Evaluate Continuing Calibration Report

Sample Results: **VX044918.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	0.701	0.693	1.1	88	0.00
3	P	Chloromethane	0.854	0.814	4.7	86	0.00
4	C	Vinyl Chloride	0.827	0.810	2.1#	89	0.00
5	T	Bromomethane	0.247	0.249	-0.8	89	0.00
6	T	Chloroethane	0.307	0.270	12.1	71	0.00
7	T	Trichlorofluoromethane	1.046	1.025	2.0	89	0.00
8	T	Diethyl Ether	0.379	0.376	0.8	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.619	2.1	88	0.00
10	T	Methyl Iodide	0.819	0.834	-1.8	88	0.00
11	T	Tert butyl alcohol	0.136	0.136	0.0	89	0.01
12	CM	1,1-Dichloroethene	0.644	0.623	3.3#	88	0.00
13	T	Acrolein	0.140	0.148	-5.7	93	0.00
14	T	Allyl chloride	1.165	1.104	5.2	85	0.00
15	T	Acrylonitrile	0.363	0.370	-1.9	87	0.00
16	T	Acetone	0.294	0.305	-3.7	93	0.00
17	T	Carbon Disulfide	1.767	1.618	8.4	82	0.00
18	T	Methyl Acetate	0.928	0.960	-3.4	90	0.00
19	T	Methyl tert-butyl Ether	2.050	2.032	0.9	89	0.00
20	T	Methylene Chloride	0.721	0.705	2.2	89	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.630	0.6	88	0.00
22	T	Diisopropyl ether	2.203	2.241	-1.7	89	0.00
23	T	Vinyl Acetate	1.796	1.830	-1.9	88	0.00
24	P	1,1-Dichloroethane	1.233	1.221	1.0	89	0.00
25	T	2-Butanone	0.478	0.501	-4.8	88	0.00
26	T	2,2-Dichloropropane	0.978	0.803	17.9	75	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.753	1.2	89	0.00
28	T	Bromochloromethane	0.593	0.528	11.0	81	0.00
29	T	Tetrahydrofuran	0.317	0.331	-4.4	90	0.00
30	C	Chloroform	1.196	1.191	0.4#	91	0.00
31	T	Cyclohexane	1.137	1.073	5.6	85	0.00
32	T	1,1,1-Trichloroethane	1.014	0.996	1.8	88	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.764	-4.4	94	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35	S	Dibromofluoromethane	0.325	0.335	-3.1	93	0.00
36	T	1,1-Dichloropropene	0.469	0.441	6.0	85	0.00
37	T	Ethyl Acetate	0.522	0.529	-1.3	90	0.00
38	T	Carbon Tetrachloride	0.460	0.434	5.7	86	0.00
39	T	Methylcyclohexane	0.606	0.593	2.1	85	0.00
40	TM	Benzene	1.465	1.452	0.9	88	0.00
41	T	Methacrylonitrile	0.279	0.300	-7.5	89	0.00
42	TM	1,2-Dichloroethane	0.467	0.479	-2.6	91	0.00
43	T	Isopropyl Acetate	0.842	0.851	-1.1	87	0.00
44	TM	Trichloroethene	0.335	0.327	2.4	87	0.00
45	C	1,2-Dichloropropane	0.364	0.360	1.1#	88	0.00
46	T	Dibromomethane	0.253	0.255	-0.8	89	0.00
47	T	Bromodichloromethane	0.489	0.494	-1.0	88	0.00
48	T	Methyl methacrylate	0.397	0.413	-4.0	87	0.00

Sample Results: **VX044918.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	89	0.00
50	S	Toluene-d8	1.229	1.258	-2.4	91	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.538	-5.1	87	0.00
52	CM	Toluene	0.872	0.876	-0.5#	87	0.00
53	T	t-1,3-Dichloropropene	0.495	0.479	3.2	83	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.542	1.8	84	0.00
55	T	1,1,2-Trichloroethane	0.335	0.336	-0.3	88	0.00
56	T	Ethyl methacrylate	0.542	0.551	-1.7	85	0.00
57	T	1,3-Dichloropropane	0.587	0.591	-0.7	87	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.279	-4.9	87	0.00
59	T	2-Hexanone	0.369	0.396	-7.3	88	0.00
60	T	Dibromochloromethane	0.359	0.359	0.0	86	0.00
61	T	1,2-Dibromoethane	0.340	0.347	-2.1	88	0.00
62	S	4-Bromofluorobenzene	0.414	0.434	-4.8	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64	T	Tetrachloroethene	0.315	0.295	6.3	86	0.00
65	PM	Chlorobenzene	1.074	1.035	3.6	86	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.332	4.0	85	0.00
67	C	Ethyl Benzene	1.895	1.868	1.4#	87	0.00
68	T	m/p-Xylenes	0.699	0.685	2.0	86	0.00
69	T	o-Xylene	0.701	0.680	3.0	87	0.00
70	T	Styrene	1.130	1.139	-0.8	86	0.00
71	P	Bromoform	0.258	0.253	1.9	82	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73	T	Isopropylbenzene	4.026	4.019	0.2	87	0.00
74	T	N-amyl acetate	1.822	1.870	-2.6	86	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.357	1.9	87	0.00
76	T	1,2,3-Trichloropropane	1.109	1.105	0.4	87	0.00
77	T	Bromobenzene	0.913	0.903	1.1	87	0.00
78	T	n-propylbenzene	4.647	4.690	-0.9	87	0.00
79	T	2-Chlorotoluene	2.856	2.765	3.2	85	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.302	-1.1	87	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.389	9.7	78	0.00
82	T	4-Chlorotoluene	3.160	3.183	-0.7	87	0.00
83	T	tert-Butylbenzene	3.305	3.285	0.6	87	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.300	-2.3	86	0.00
85	T	sec-Butylbenzene	4.093	4.128	-0.9	87	0.00
86	T	p-Isopropyltoluene	3.291	3.331	-1.2	85	0.00
87	T	1,3-Dichlorobenzene	1.678	1.635	2.6	85	0.00
88	T	1,4-Dichlorobenzene	1.697	1.629	4.0	84	0.00
89	T	n-Butylbenzene	2.912	2.992	-2.7	84	0.00
90	T	Hexachloroethane	0.616	0.587	4.7	83	0.00
91	T	1,2-Dichlorobenzene	1.650	1.651	-0.1	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.255	-1.2	86	0.00
93	T	1,2,4-Trichlorobenzene	0.998	0.985	1.3	85	0.00
94	T	Hexachlorobutadiene	0.396	0.372	6.1	85	0.00
95	T	Naphthalene	3.608	3.699	-2.5	86	0.00

Sample Results: **VX044918.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	0.999	0.7	85	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044918.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	50.000	49.419	1.2	88	0.00
3	P	Chloromethane	50.000	47.674	4.7	86	0.00
4	C	Vinyl Chloride	50.000	48.959	2.1#	89	0.00
5	T	Bromomethane	50.000	50.267	-0.5	89	0.00
6	T	Chloroethane	50.000	40.693	18.6	71	0.00
7	T	Trichlorofluoromethane	50.000	48.991	2.0	89	0.00
8	T	Diethyl Ether	50.000	49.531	0.9	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.954	2.1	88	0.00
10	T	Methyl Iodide	50.000	50.957	-1.9	88	0.00
11	T	Tert butyl alcohol	250.000	250.247	-0.1	89	0.01
12	CM	1,1-Dichloroethene	50.000	48.335	3.3#	88	0.00
13	T	Acrolein	250.000	263.373	-5.3	93	0.00
14	T	Allyl chloride	50.000	47.412	5.2	85	0.00
15	T	Acrylonitrile	250.000	254.873	-1.9	87	0.00
16	T	Acetone	250.000	259.058	-3.6	93	0.00
17	T	Carbon Disulfide	50.000	45.780	8.4	82	0.00
18	T	Methyl Acetate	50.000	51.703	-3.4	90	0.00
19	T	Methyl tert-butyl Ether	50.000	49.559	0.9	89	0.00
20	T	Methylene Chloride	50.000	48.945	2.1	89	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.636	0.7	88	0.00
22	T	Diisopropyl ether	50.000	50.840	-1.7	89	0.00
23	T	Vinyl Acetate	250.000	254.613	-1.8	88	0.00
24	P	1,1-Dichloroethane	50.000	49.527	0.9	89	0.00
25	T	2-Butanone	250.000	262.259	-4.9	88	0.00
26	T	2,2-Dichloropropane	50.000	41.086	17.8	75	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.402	1.2	89	0.00
28	T	Bromochloromethane	50.000	44.575	10.8	81	0.00
29	T	Tetrahydrofuran	250.000	260.913	-4.4	90	0.00
30	C	Chloroform	50.000	49.806	0.4#	91	0.00
31	T	Cyclohexane	50.000	47.217	5.6	85	0.00
32	T	1,1,1-Trichloroethane	50.000	49.107	1.8	88	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.162	-4.3	94	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35	S	Dibromofluoromethane	50.000	51.520	-3.0	93	0.00
36	T	1,1-Dichloropropene	50.000	46.974	6.1	85	0.00
37	T	Ethyl Acetate	50.000	50.702	-1.4	90	0.00
38	T	Carbon Tetrachloride	50.000	47.211	5.6	86	0.00
39	T	Methylcyclohexane	50.000	48.896	2.2	85	0.00
40	TM	Benzene	50.000	49.575	0.8	88	0.00
41	T	Methacrylonitrile	50.000	53.690	-7.4	89	0.00
42	TM	1,2-Dichloroethane	50.000	51.275	-2.5	91	0.00
43	T	Isopropyl Acetate	50.000	50.486	-1.0	87	0.00
44	TM	Trichloroethene	50.000	48.777	2.4	87	0.00
45	C	1,2-Dichloropropane	50.000	49.460	1.1#	88	0.00
46	T	Dibromomethane	50.000	50.552	-1.1	89	0.00
47	T	Bromodichloromethane	50.000	50.475	-1.0	88	0.00
48	T	Methyl methacrylate	50.000	51.962	-3.9	87	0.00

Sample Results: **VX044918.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1056.949	-5.7	89	0.00
50	S	Toluene-d8	50.000	51.148	-2.3	91	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.440	-5.0	87	0.00
52	CM	Toluene	50.000	50.199	-0.4#	87	0.00
53	T	t-1,3-Dichloropropene	50.000	48.347	3.3	83	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.051	1.9	84	0.00
55	T	1,1,2-Trichloroethane	50.000	50.149	-0.3	88	0.00
56	T	Ethyl methacrylate	50.000	50.884	-1.8	85	0.00
57	T	1,3-Dichloropropane	50.000	50.387	-0.8	87	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	262.486	-5.0	87	0.00
59	T	2-Hexanone	250.000	268.451	-7.4	88	0.00
60	T	Dibromochloromethane	50.000	50.063	-0.1	86	0.00
61	T	1,2-Dibromoethane	50.000	51.047	-2.1	88	0.00
62	S	4-Bromofluorobenzene	50.000	52.355	-4.7	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64	T	Tetrachloroethene	50.000	46.738	6.5	86	0.00
65	PM	Chlorobenzene	50.000	48.179	3.6	86	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.081	3.8	85	0.00
67	C	Ethyl Benzene	50.000	49.286	1.4#	87	0.00
68	T	m/p-Xylenes	100.000	97.924	2.1	86	0.00
69	T	o-Xylene	50.000	48.465	3.1	87	0.00
70	T	Styrene	50.000	50.389	-0.8	86	0.00
71	P	Bromoform	50.000	49.045	1.9	82	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73	T	Isopropylbenzene	50.000	49.916	0.2	87	0.00
74	T	N-amyl acetate	50.000	51.312	-2.6	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.048	1.9	87	0.00
76	T	1,2,3-Trichloropropane	50.000	49.852	0.3	87	0.00
77	T	Bromobenzene	50.000	49.464	1.1	87	0.00
78	T	n-propylbenzene	50.000	50.468	-0.9	87	0.00
79	T	2-Chlorotoluene	50.000	48.410	3.2	85	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.528	-1.1	87	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.171	9.7	78	0.00
82	T	4-Chlorotoluene	50.000	50.364	-0.7	87	0.00
83	T	tert-Butylbenzene	50.000	49.697	0.6	87	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.168	-2.3	86	0.00
85	T	sec-Butylbenzene	50.000	50.433	-0.9	87	0.00
86	T	p-Isopropyltoluene	50.000	50.599	-1.2	85	0.00
87	T	1,3-Dichlorobenzene	50.000	48.692	2.6	85	0.00
88	T	1,4-Dichlorobenzene	50.000	48.007	4.0	84	0.00
89	T	n-Butylbenzene	50.000	51.376	-2.8	84	0.00
90	T	Hexachloroethane	50.000	47.657	4.7	83	0.00
91	T	1,2-Dichlorobenzene	50.000	50.047	-0.1	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.565	-1.1	86	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.345	1.3	85	0.00
94	T	Hexachlorobutadiene	50.000	46.929	6.1	85	0.00
95	T	Naphthalene	50.000	51.251	-2.5	86	0.00

Sample Results: **VX044918.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.658	0.7	85	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

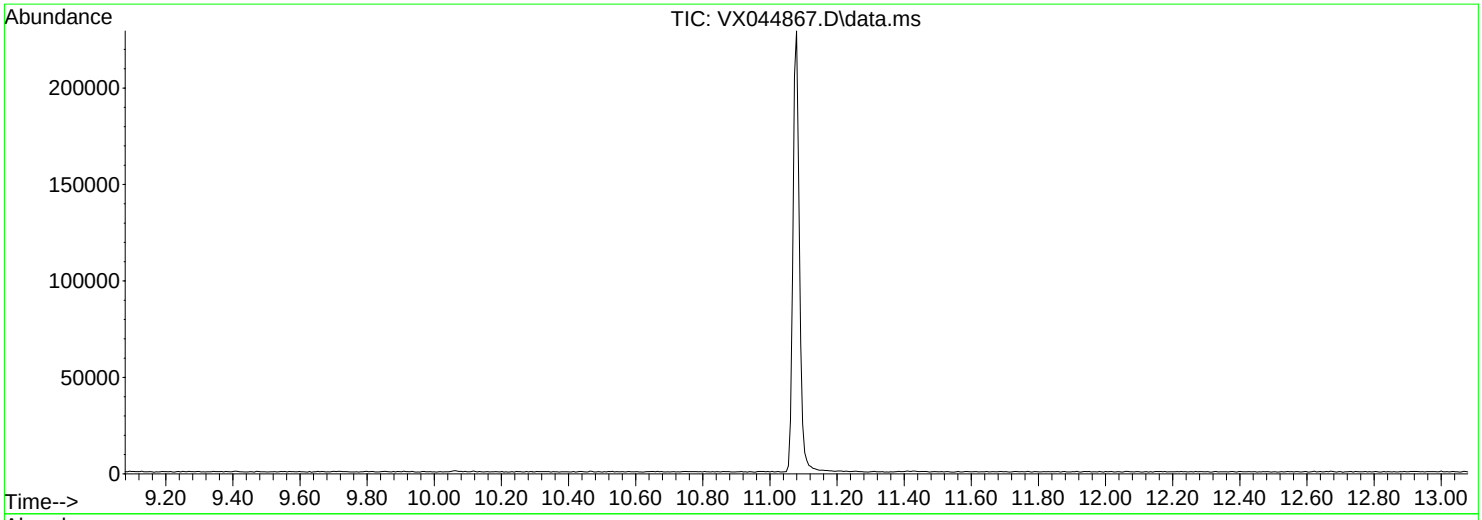
Sample Results: **VX044867.D**

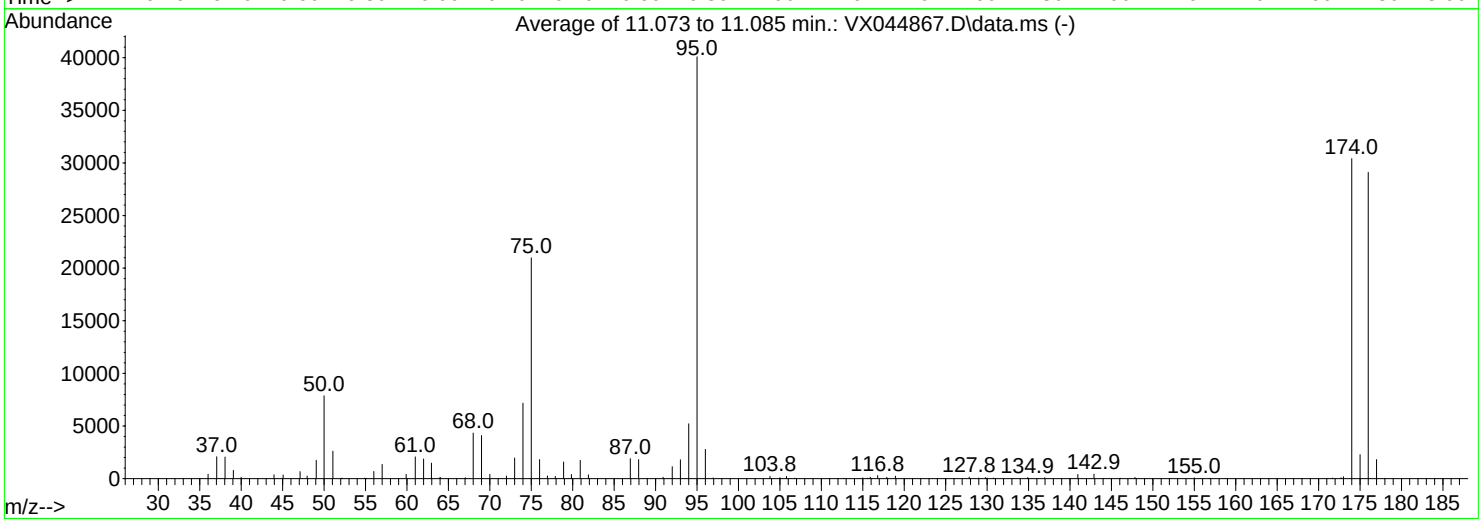
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044867.D
Acq On : 10 Feb 2025 09:35
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	7876	PASS
75	95	30	60	52.3	20977	PASS
95	95	100	100	100.0	40077	PASS
96	95	5	9	6.9	2783	PASS
173	174	0.00	2	0.6	186	PASS
174	95	50	100	75.9	30400	PASS
175	174	5	9	7.5	2286	PASS
176	174	95	101	95.7	29104	PASS
177	176	5	9	6.2	1810	PASS

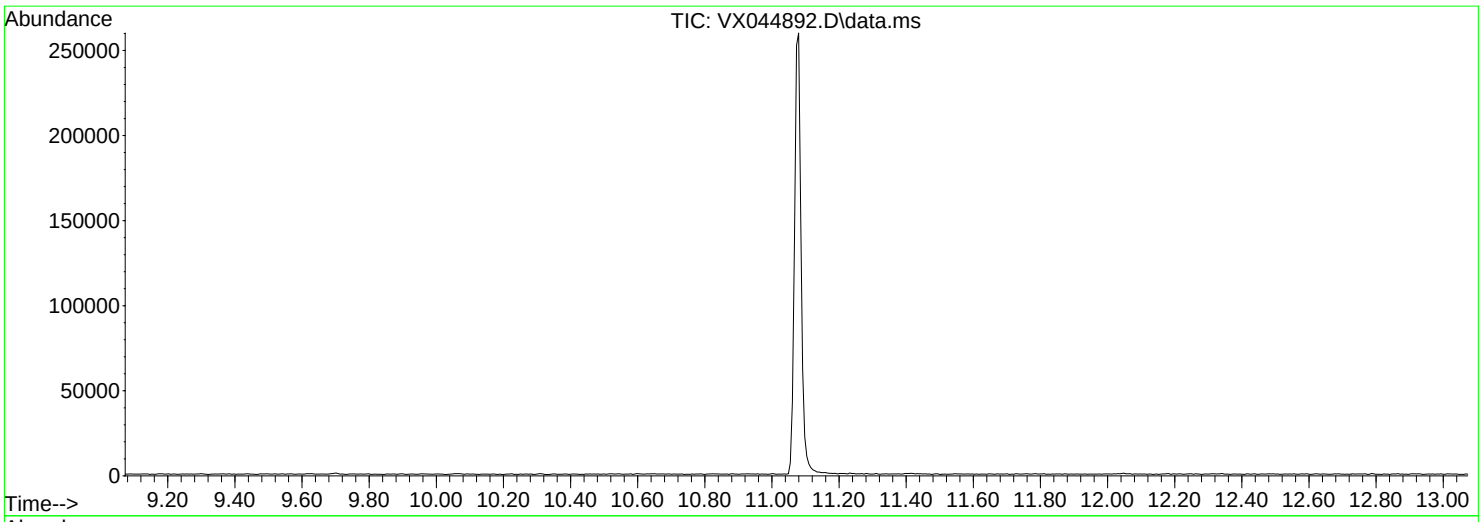
Sample Results: **VX044892.D**

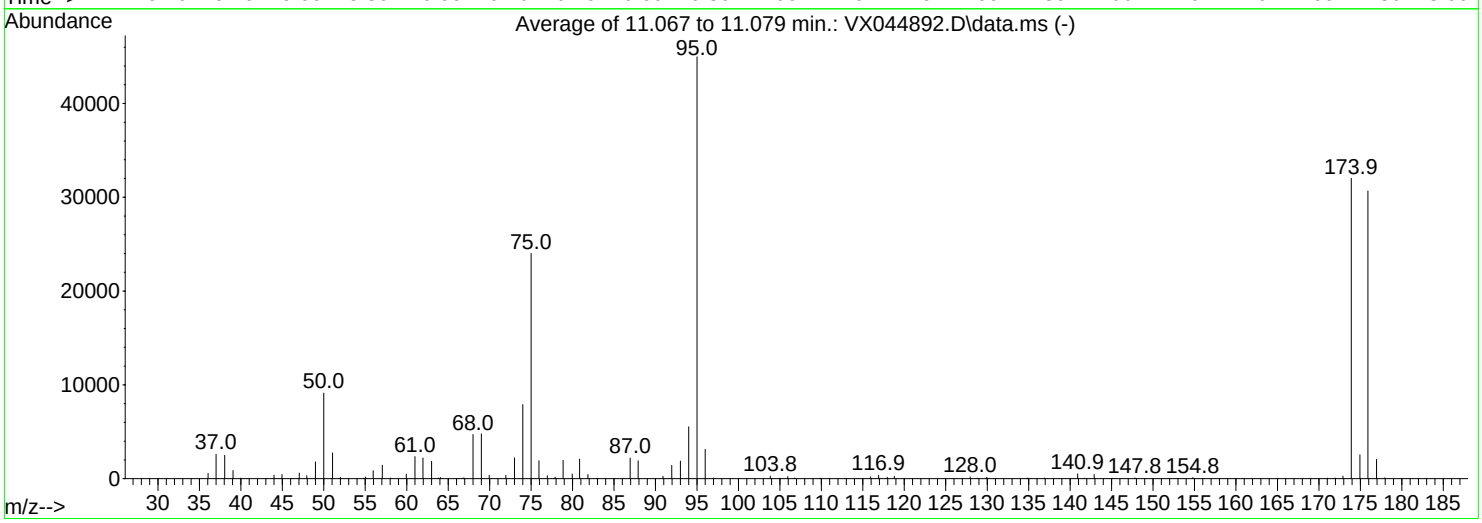
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044892.D
Acq On : 11 Feb 2025 08:50
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025





AutoFind: Scans 1637, 1638, 1639; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	9120	PASS
75	95	30	60	53.4	24016	PASS
95	95	100	100	100.0	44971	PASS
96	95	5	9	6.9	3116	PASS
173	174	0.00	2	0.9	283	PASS
174	95	50	100	71.2	32021	PASS
175	174	5	9	7.9	2541	PASS
176	174	95	101	95.8	30669	PASS
177	176	5	9	6.7	2055	PASS

Raw Data: **VX044895.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0211WBL01	SDG No.:	Q1283
Lab Sample ID:	VX0211WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044895.D	1		02/11/25 11:00	VX021125

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

Raw Data: **VX044895.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0211WBL01	SDG No.:	Q1283
Lab Sample ID:	VX0211WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044895.D	1		02/11/25 11:00	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.5		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	98500	5.544				
540-36-3	1,4-Difluorobenzene	199000	6.757				
3114-55-4	Chlorobenzene-d5	183000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	79600	12.018				

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

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

Quantitation Report (QT Reviewed)

Sample Results: **VX044895.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044895.D
Acq On : 11 Feb 2025 11:00
Operator : JC/MD
Sample : VX0211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

Quant Time: Feb 12 02:37:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	98496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	199075	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	183423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	77084	53.464	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.920%			
35) Dibromofluoromethane	5.379	113	65973	50.971	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.940%			
50) Toluene-d8	8.647	98	245936	50.249	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.500%			
62) 4-Bromofluorobenzene	11.079	95	86470	52.406	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.820%			

Target Compounds Qvalue

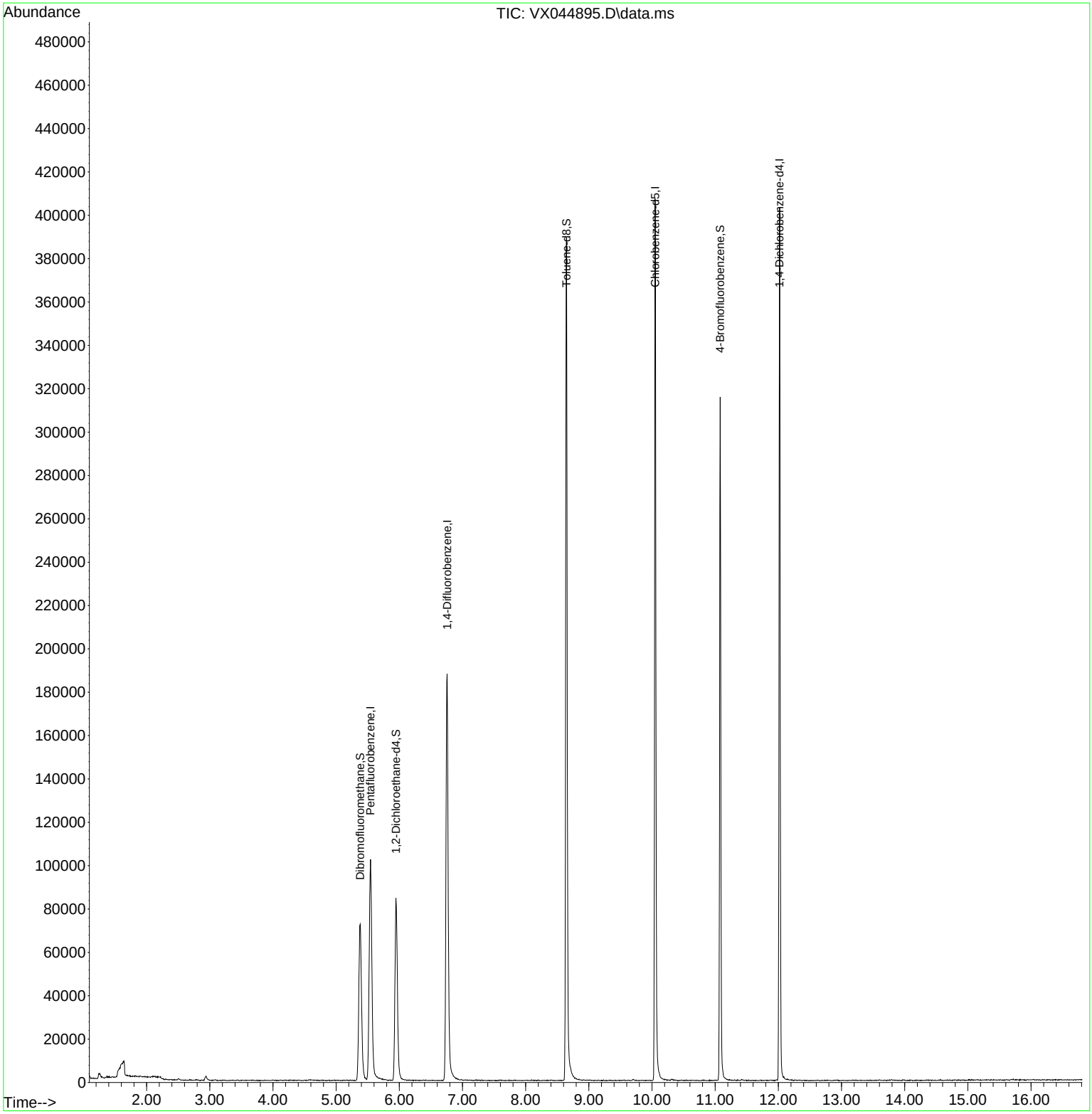
(#) = qualifier out of range (m) = manual integration (+) = signals summed

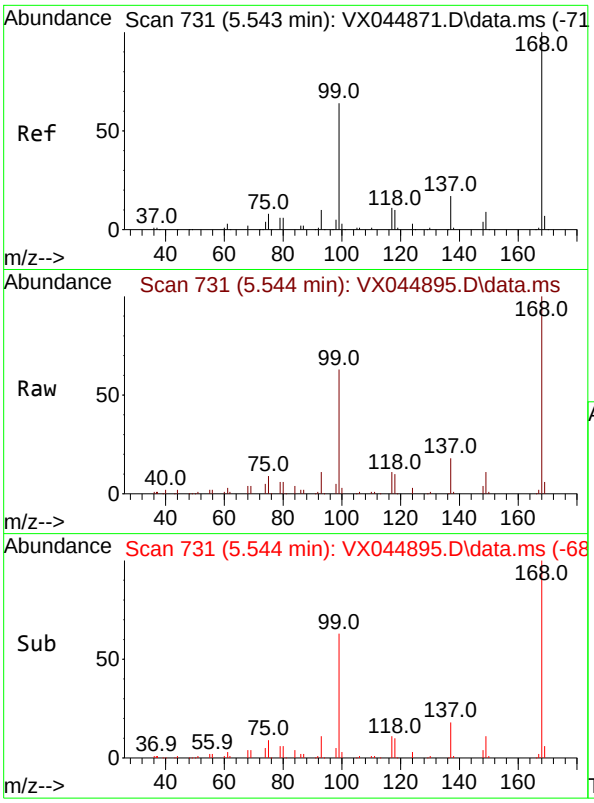
Sample Results: **VX044895.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044895.D
Acq On : 11 Feb 2025 11:00
Operator : JC/MD
Sample : VX0211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

Quant Time: Feb 12 02:37:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



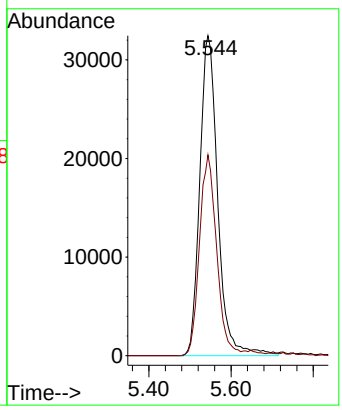


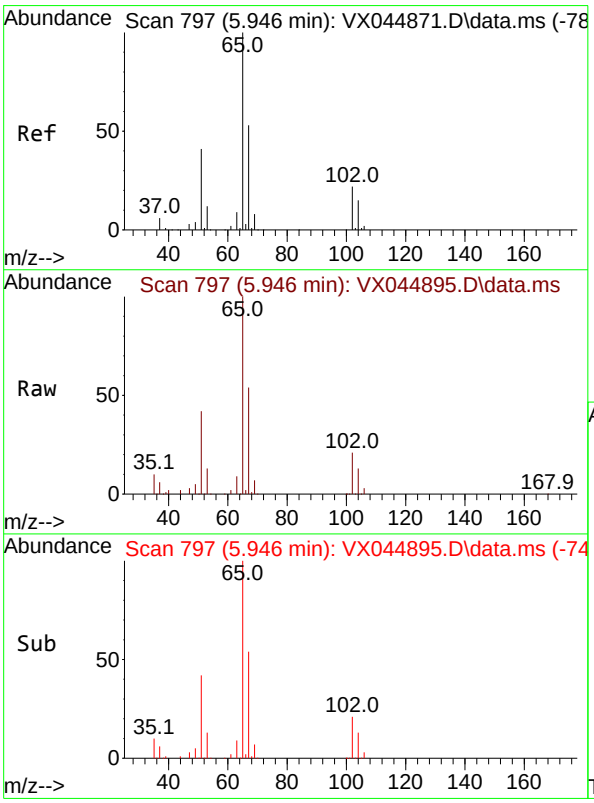
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044895.D
Acq: 11 Feb 2025 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

Tgt Ion:168 Resp: 98496

Ion	Ratio	Lower	Upper
168	100		
99	62.7	51.2	76.8

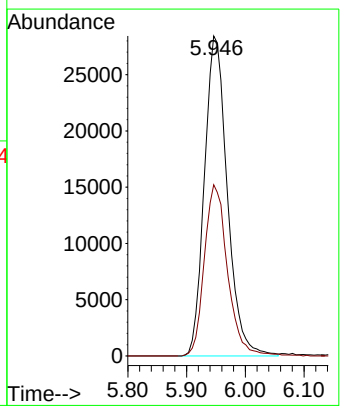


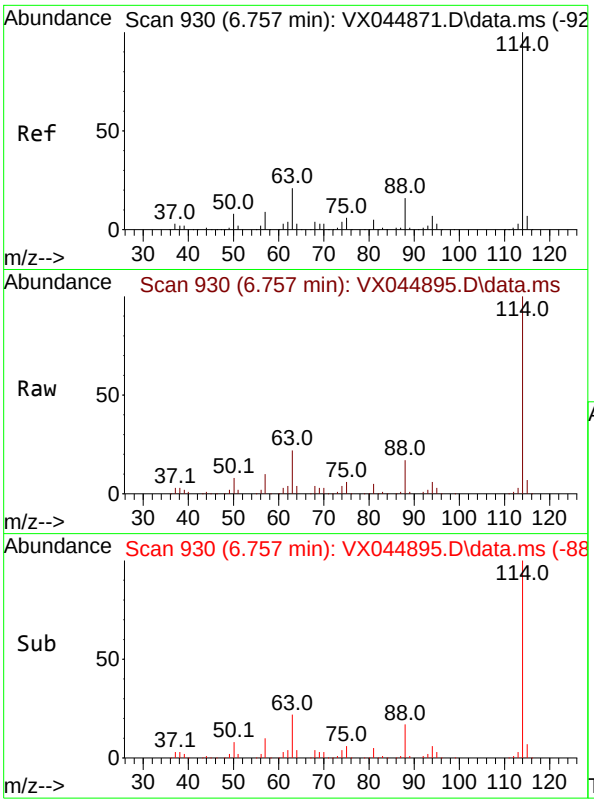


#33
1,2-Dichloroethane-d4
Concen: 53.464 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044895.D
Acq: 11 Feb 2025 11:00

Tgt Ion: 65 Resp: 77084

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	108.2



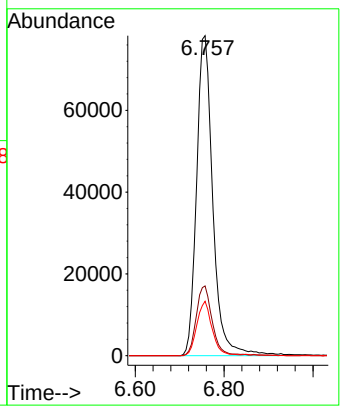


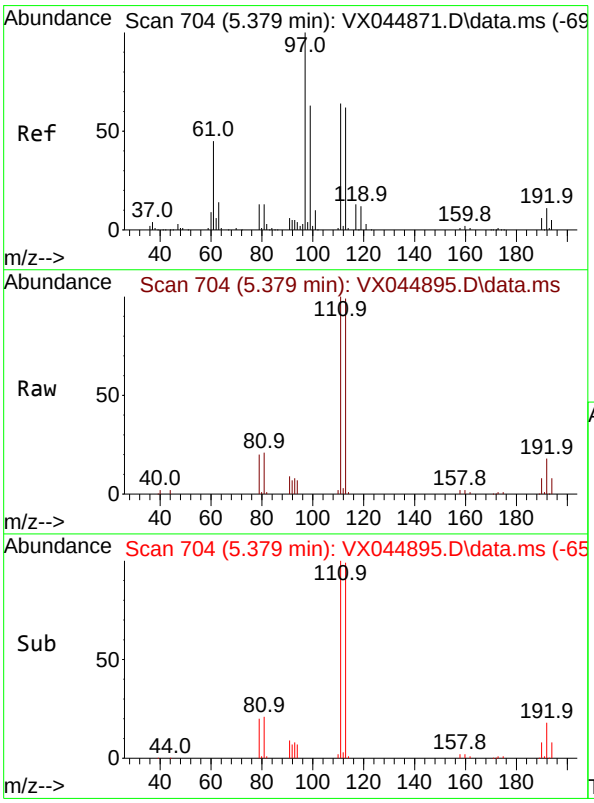
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044895.D
Acq: 11 Feb 2025 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

Tgt Ion:114 Resp: 199075

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.4
88	17.0	0.0	31.4

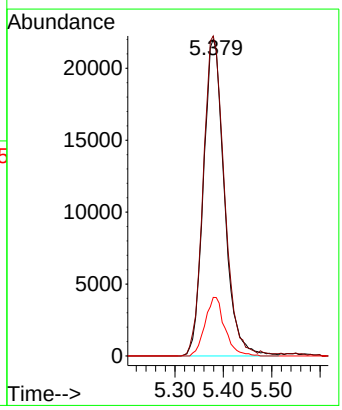


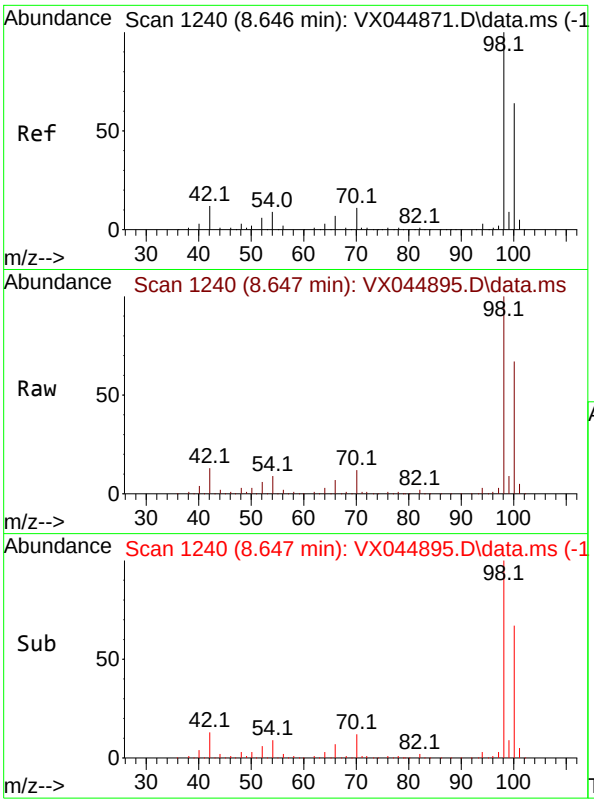


#35
Dibromofluoromethane
Concen: 50.971 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044895.D
Acq: 11 Feb 2025 11:00

Tgt Ion:113 Resp: 65973

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.5	125.3
192	17.5	14.4	21.6



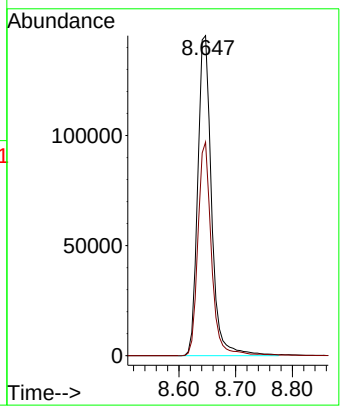


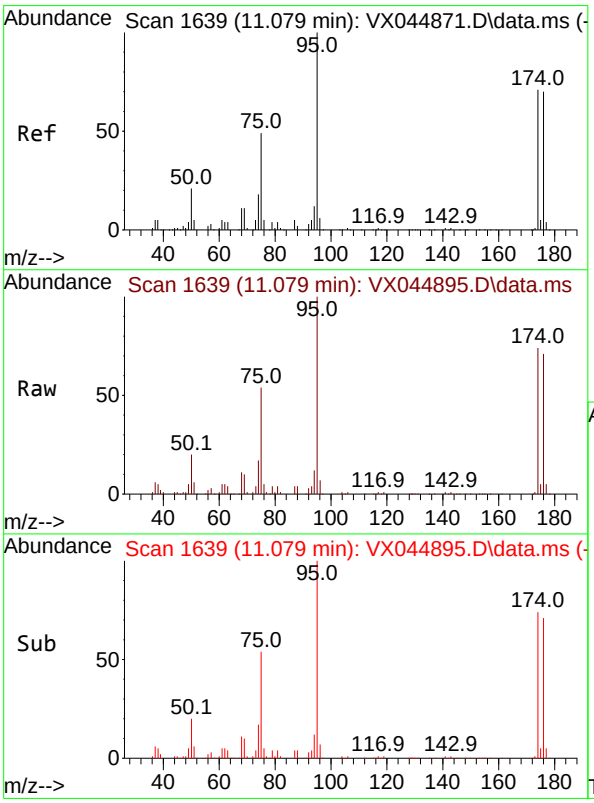
#50
Toluene-d8
Concen: 50.249 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044895.D
Acq: 11 Feb 2025 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

Tgt Ion: 98 Resp: 245936

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

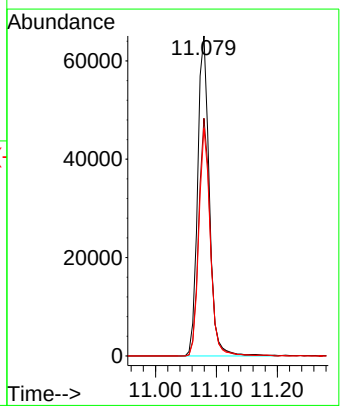


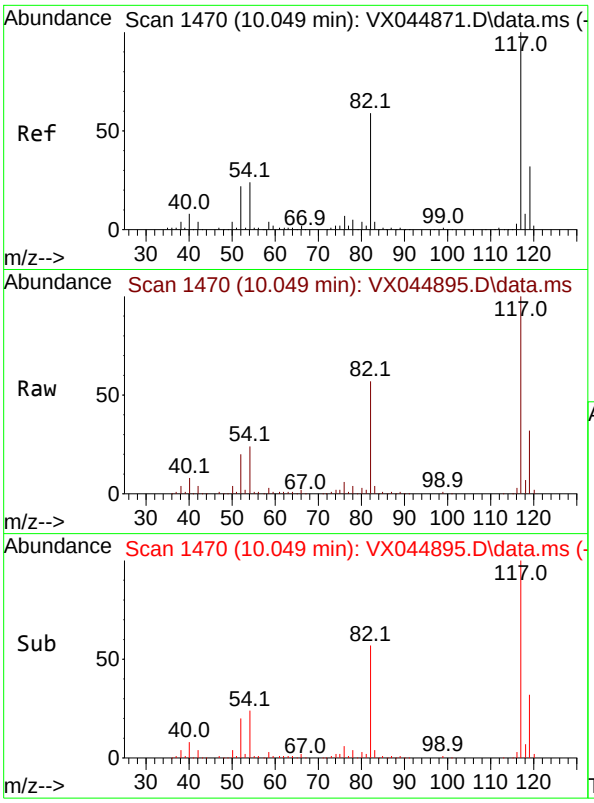


#62
4-Bromofluorobenzene
Concen: 52.406 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044895.D
Acq: 11 Feb 2025 11:00

Tgt Ion: 95 Resp: 86470

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	142.6
176	69.6	0.0	141.6



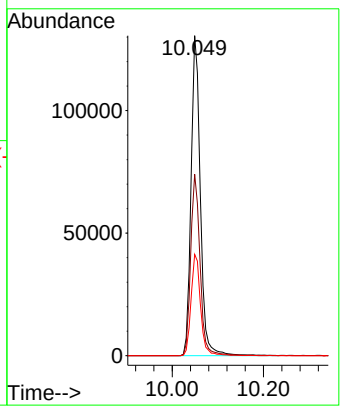


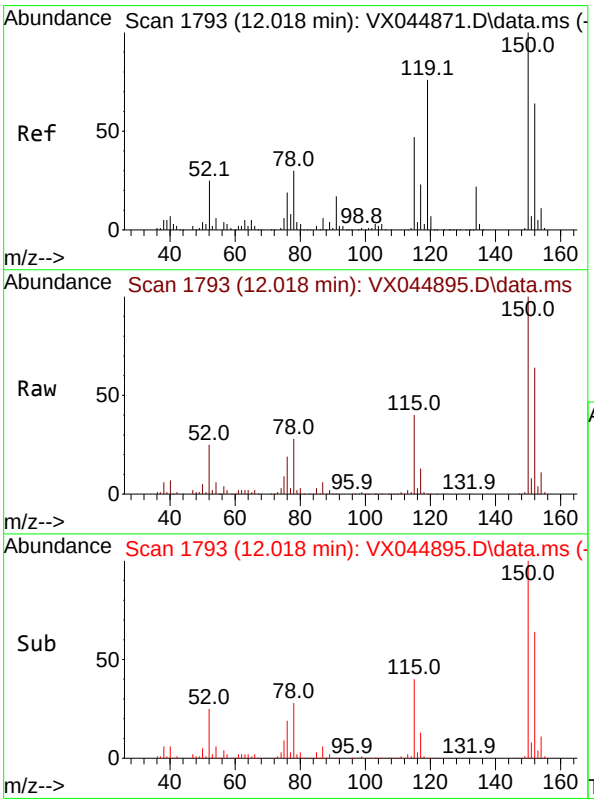
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044895.D
Acq: 11 Feb 2025 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

Tgt Ion:117 Resp: 183423

Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.5	71.3
119	31.6	25.4	38.0

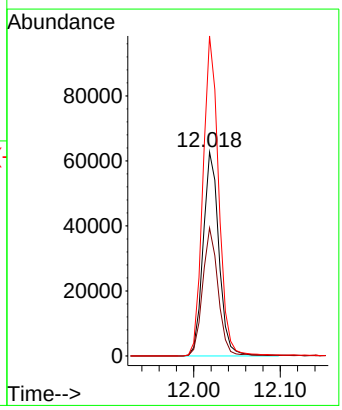




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044895.D
Acq: 11 Feb 2025 11:00

Tgt Ion:152 Resp: 79632

Ion	Ratio	Lower	Upper
152	100		
115	61.6	43.4	130.1
150	155.9	0.0	350.4



Sample Results: **VX044895.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044895.D
Acq On : 11 Feb 2025 11:00
Operator : JC/MD
Sample : VX0211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

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

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

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

Signal : TIC: VX044895.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.612	69	86	87	rBV7	6414	24224	3.68%	0.716%
2	5.379	692	704	721	rBV2	72078	217937	33.08%	6.440%
3	5.544	721	731	747	rBV	101470	295431	44.84%	8.730%
4	5.946	788	797	812	rBV2	84099	224957	34.14%	6.647%
5	6.757	919	930	953	rBV	187792	470188	71.36%	13.894%
6	8.647	1233	1240	1261	rBV	388713	658885	100.00%	19.470%
7	10.049	1465	1470	1489	rBV	406316	574705	87.22%	16.982%
8	11.079	1634	1639	1651	rBV	314963	412597	62.62%	12.192%
9	12.018	1788	1793	1803	rBV	402666	505183	76.67%	14.928%

Sum of corrected areas: 3384107

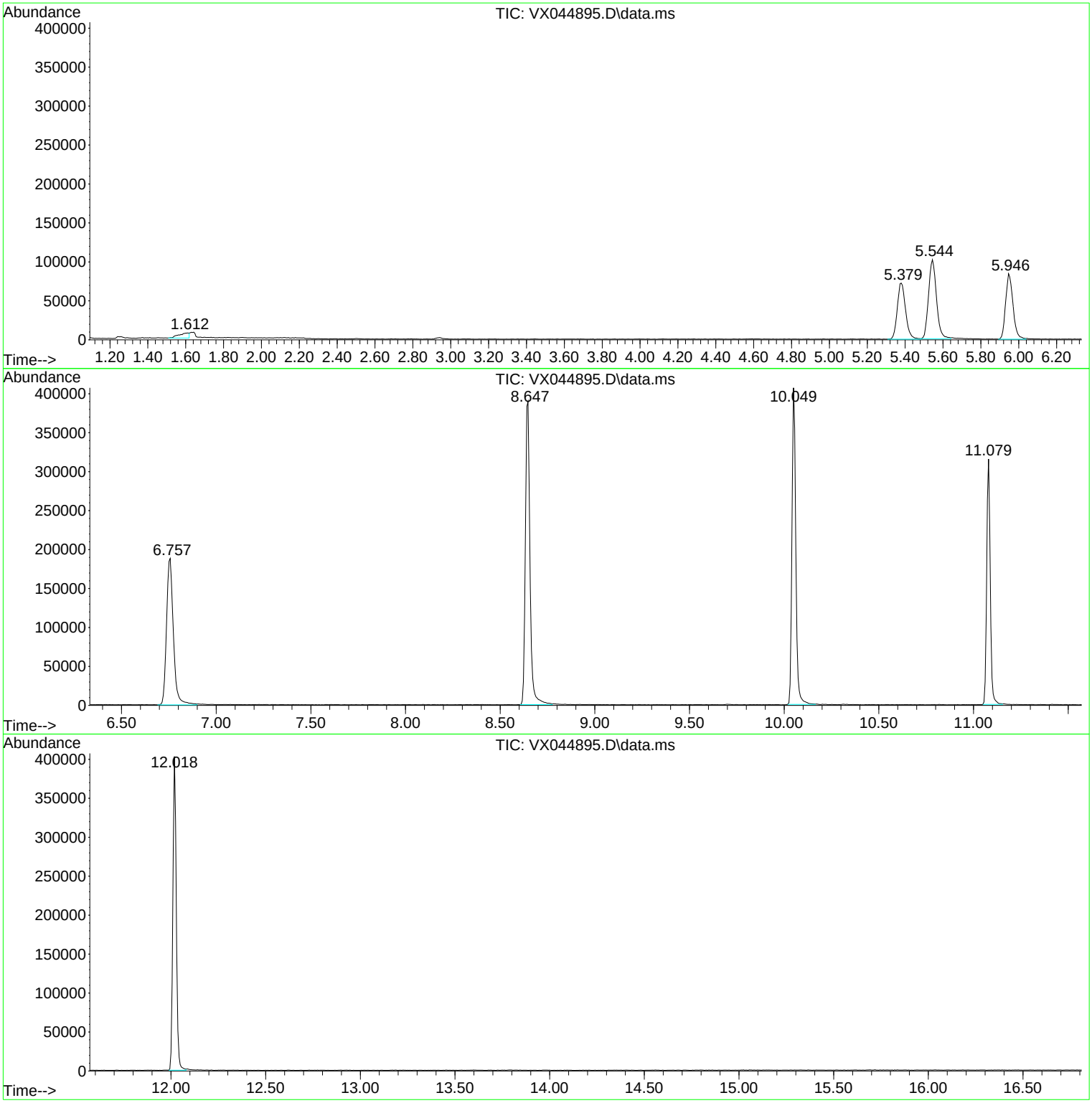
Sample Results: **VX044895.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044895.D
Acq On : 11 Feb 2025 11:00
Operator : JC/MD
Sample : VX0211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

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

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



Library Search Compound Report

Sample Results: **VX044895.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044895.D
Acq On : 11 Feb 2025 11:00
Operator : JC/MD
Sample : VX0211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

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

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Sample Results: **VX044895.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044895.D
Acq On : 11 Feb 2025 11:00
Operator : JC/MD
Sample : VX0211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

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

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

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

Raw Data: **VX044896.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0211WBS01	SDG No.:	Q1283
Lab Sample ID:	VX0211WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044896.D	1		02/11/25 11:23	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	17.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.9		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	19.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	22.6		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.26	0.75	1.00	ug/L
67-64-1	Acetone	88.2		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.8		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.8		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.1		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	90.3		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	18.5		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.1		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.3		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.2		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.7		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.5		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.3		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.5		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.6		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.1		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	2.50	5.00	ug/L

Raw Data: **VX044896.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0211WBS01	SDG No.:	Q1283
Lab Sample ID:	VX0211WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044896.D	1		02/11/25 11:23	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	19.0		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.8		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.1		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.9		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.2		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.3		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	19.2		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.4		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.7		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.8		81 - 118		88%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	46.2		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	122000	5.544				
540-36-3	1,4-Difluorobenzene	214000	6.757				
3114-55-4	Chlorobenzene-d5	190000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	87800	12.018				

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

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

Quantitation Report (QT Reviewed)

Sample Results: **VX044896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044896.D
Acq On : 11 Feb 2025 11:23
Operator : JC/MD
Sample : VX0211WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 12 02:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	122388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	213544	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	190238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	87843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	78398	43.760	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 87.520%			
35) Dibromofluoromethane	5.379	113	63156	45.489	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.980%			
50) Toluene-d8	8.647	98	242464	46.183	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.360%			
62) 4-Bromofluorobenzene	11.079	95	83827	47.362	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	32027	18.658	ug/l	97
3) Chloromethane	1.294	50	37256	17.833	ug/l	99
4) Vinyl Chloride	1.374	62	36130	17.851	ug/l	99
5) Bromomethane	1.593	94	11503	18.993	ug/l	99
6) Chloroethane	1.666	64	19246	22.573	ug/l	99
7) Trichlorofluoromethane	1.873	101	46837	18.299	ug/l	97
8) Diethyl Ether	2.130	74	17191	18.520	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	28594	18.490	ug/l	99
10) Methyl Iodide	2.447	142	37251	18.586	ug/l	99
11) Tert butyl alcohol	2.971	59	30779	92.607	ug/l	99
12) 1,1-Dichloroethene	2.312	96	28452	18.036	ug/l	96
13) Acrolein	2.233	56	26717	77.912	ug/l	100
14) Allyl chloride	2.660	41	50787	17.814	ug/l	97
15) Acrylonitrile	3.062	53	79135	89.177	ug/l	99
16) Acetone	2.380	43	63538	88.221	ug/l	99
17) Carbon Disulfide	2.501	76	74275	17.170	ug/l	98
18) Methyl Acetate	2.697	43	40956	18.021	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	89228	17.778	ug/l	100
20) Methylene Chloride	2.782	84	31484	17.847	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	27928	17.988	ug/l	93
22) Diisopropyl ether	3.757	45	100392	18.613	ug/l	95
23) Vinyl Acetate	3.715	43	397646	90.433	ug/l	100
24) 1,1-Dichloroethane	3.605	63	54622	18.099	ug/l	98
25) 2-Butanone	4.556	43	105608	90.302	ug/l	95
26) 2,2-Dichloropropane	4.471	77	43271	18.080	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	34607	18.557	ug/l	97
28) Bromochloromethane	4.891	49	22169	15.285	ug/l	100
29) Tetrahydrofuran	5.001	42	71647	92.261	ug/l	99
30) Chloroform	5.080	83	54058	18.470	ug/l	97
31) Cyclohexane	5.458	56	50621	18.194	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	44956	18.109	ug/l	99
36) 1,1-Dichloropropene	5.684	75	38557	19.249	ug/l	99
37) Ethyl Acetate	4.708	43	39887	17.903	ug/l	98
38) Carbon Tetrachloride	5.665	117	37975	19.346	ug/l	95
39) Methylcyclohexane	7.372	83	52588	20.307	ug/l	98
40) Benzene	6.031	78	120297	19.233	ug/l	98

Sample Results: **VX044896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044896.D
Acq On : 11 Feb 2025 11:23
Operator : JC/MD
Sample : VX0211WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 12 02:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22207	18.621 ug/l	97
42) 1,2-Dichloroethane	6.080	62	39196	19.662 ug/l	98
43) Isopropyl Acetate	6.336	43	67173	18.670 ug/l	99
44) Trichloroethene	7.123	130	27440	19.193 ug/l	97
45) 1,2-Dichloropropane	7.421	63	29707	19.091 ug/l	97
46) Dibromomethane	7.574	93	20763	19.240 ug/l	98
47) Bromodichloromethane	7.818	83	40827	19.539 ug/l	98
48) Methyl methacrylate	7.690	41	31984	18.854 ug/l	99
49) 1,4-Dioxane	7.659	88	15032	413.003 ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	217292	99.343 ug/l	99
52) Toluene	8.714	92	72821	19.549 ug/l	98
53) t-1,3-Dichloropropene	8.976	75	39281	18.577 ug/l	94
54) cis-1,3-Dichloropropene	8.360	75	44977	19.077 ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	28376	19.816 ug/l	97
56) Ethyl methacrylate	9.116	69	44038	19.041 ug/l	99
57) 1,3-Dichloropropane	9.305	76	48722	19.446 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	91789	80.829 ug/l	99
59) 2-Hexanone	9.427	43	160581	101.894 ug/l	98
60) Dibromochloromethane	9.518	129	29042	18.964 ug/l	100
61) 1,2-Dibromoethane	9.610	107	27865	19.199 ug/l	97
64) Tetrachloroethene	9.268	164	22565	18.808 ug/l	98
65) Chlorobenzene	10.079	112	77829	19.048 ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	24758	18.825 ug/l	98
67) Ethyl Benzene	10.189	91	137771	19.107 ug/l	100
68) m/p-Xylenes	10.299	106	103355	38.857 ug/l	100
69) o-Xylene	10.640	106	51211	19.188 ug/l	98
70) Styrene	10.652	104	83008	19.304 ug/l	99
71) Bromoform	10.799	173	18821	19.176 ug/l #	97
73) Isopropylbenzene	10.957	105	129845	18.358 ug/l	100
74) N-amyl acetate	10.841	43	59187	18.492 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	44850	18.453 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	35490m	18.222 ug/l	
77) Bromobenzene	11.195	156	30059	18.745 ug/l	99
78) n-propylbenzene	11.299	91	152366	18.663 ug/l	100
79) 2-Chlorotoluene	11.360	91	92170	18.370 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	107531	18.734 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12359	16.324 ug/l	96
82) 4-Chlorotoluene	11.451	91	102495	18.464 ug/l	100
83) tert-Butylbenzene	11.713	119	108994	18.771 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	108980	19.237 ug/l	100
85) sec-Butylbenzene	11.890	105	137742	19.157 ug/l	99
86) p-Isopropyltoluene	12.006	119	110966	19.191 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	56608	19.196 ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	55645	18.663 ug/l	99
89) n-Butylbenzene	12.329	91	98048	19.167 ug/l	99
90) Hexachloroethane	12.536	117	19308	17.833 ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	56136	19.369 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8224	18.540 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	32400	18.475 ug/l	100
94) Hexachlorobutadiene	13.719	225	13235	19.011 ug/l	97
95) Naphthalene	13.774	128	116851	18.432 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	33208	18.792 ug/l	96

Sample Results: **VX044896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044896.D
Acq On : 11 Feb 2025 11:23
Operator : JC/MD
Sample : VX0211WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Quant Time: Feb 12 02:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

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

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

Sample Results: **VX044896.D**

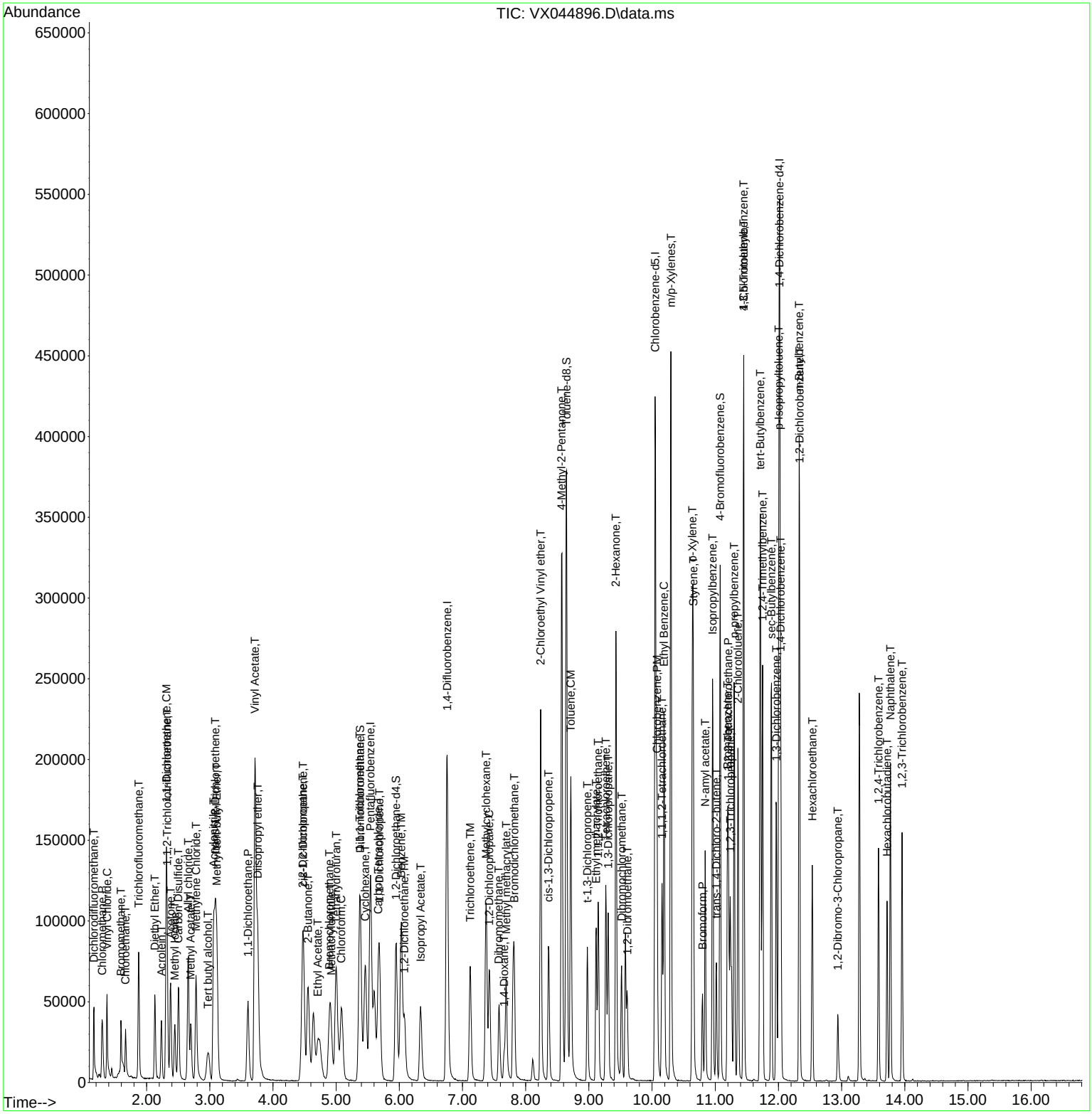
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044896.D
Acq On : 11 Feb 2025 11:23
Operator : JC/MD
Sample : VX0211WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

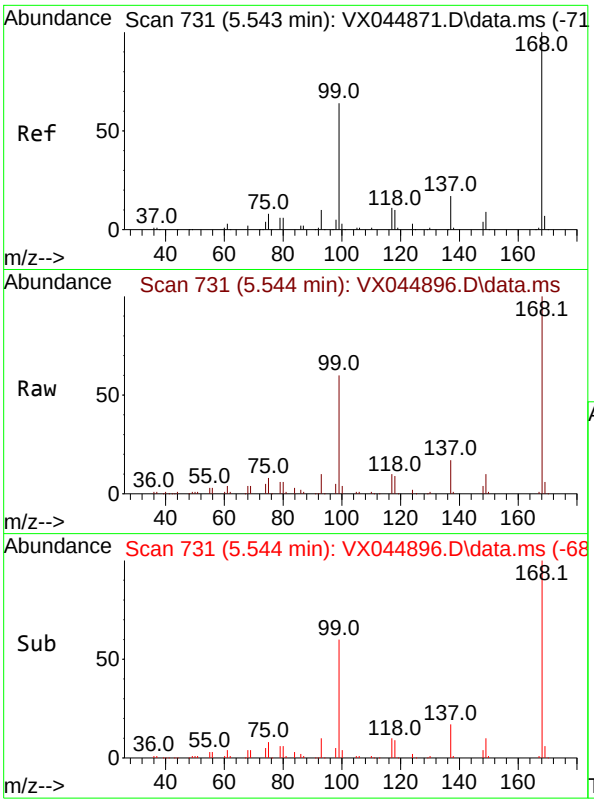
Quant Time: Feb 12 02:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:168 Resp: 12238

Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED

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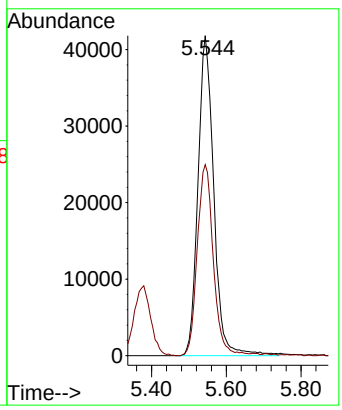
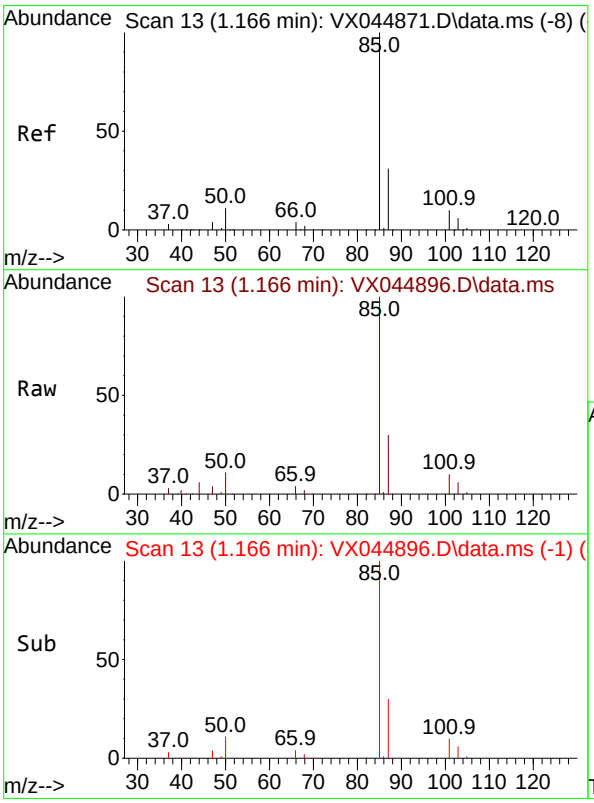
Supervised By :Mahesh Dadoda 02/12/2025

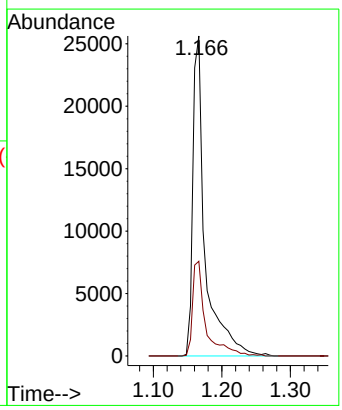


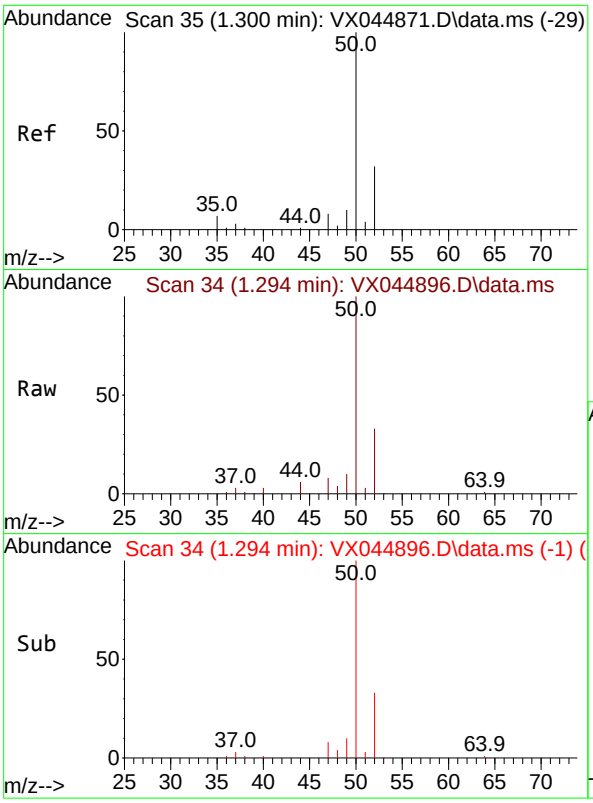


#2
Dichlorodifluoromethane
Concen: 18.658 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 85 Resp: 32027

Ion	Ratio	Lower	Upper
85	100		
87	29.6	15.8	47.3





#3
Chloromethane
Concen: 17.833 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 50 Resp: 3725

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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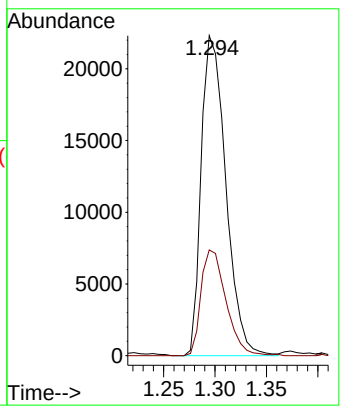
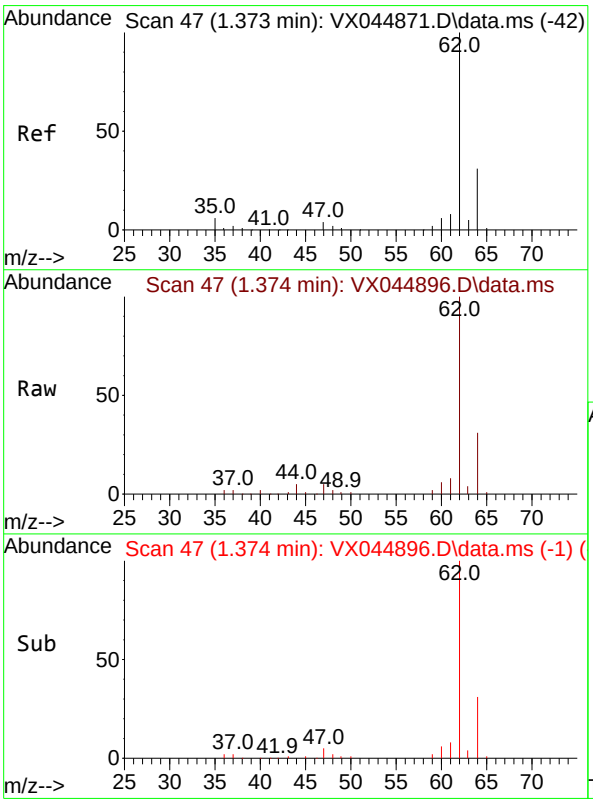
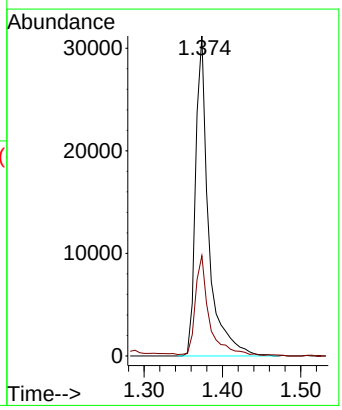


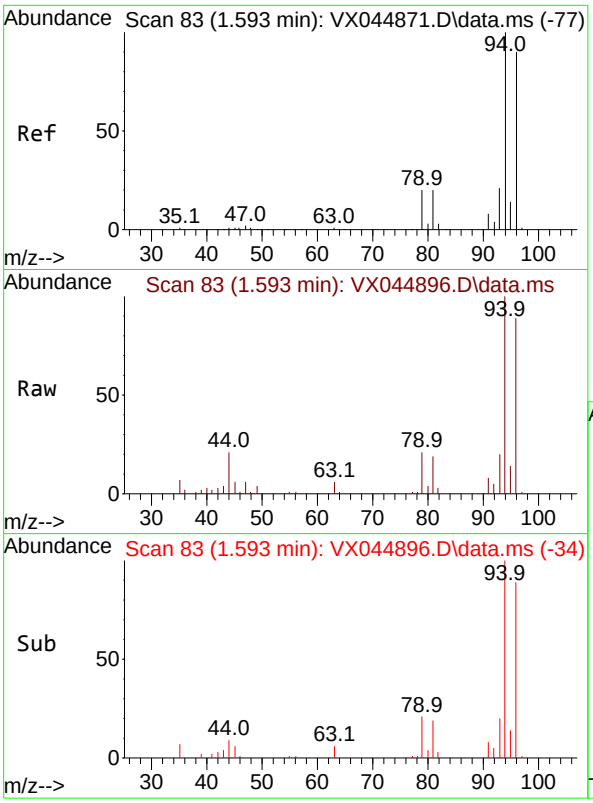


#4
Vinyl Chloride
Concen: 17.851 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 62 Resp: 36130

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.4	38.0





#5
Bromomethane
Concen: 18.993 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 94 Resp: 1150

Ion	Ratio	Lower	Upper
94	100		
96	88.6	71.6	107.4

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED

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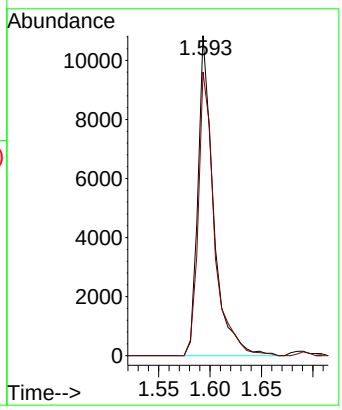
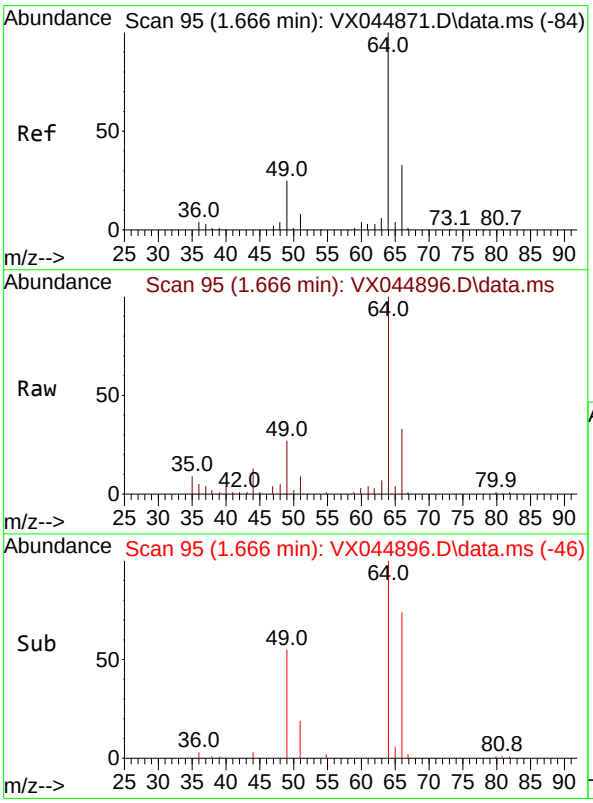
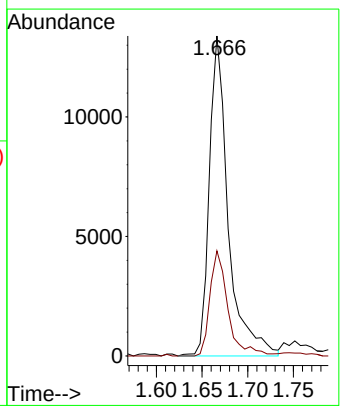


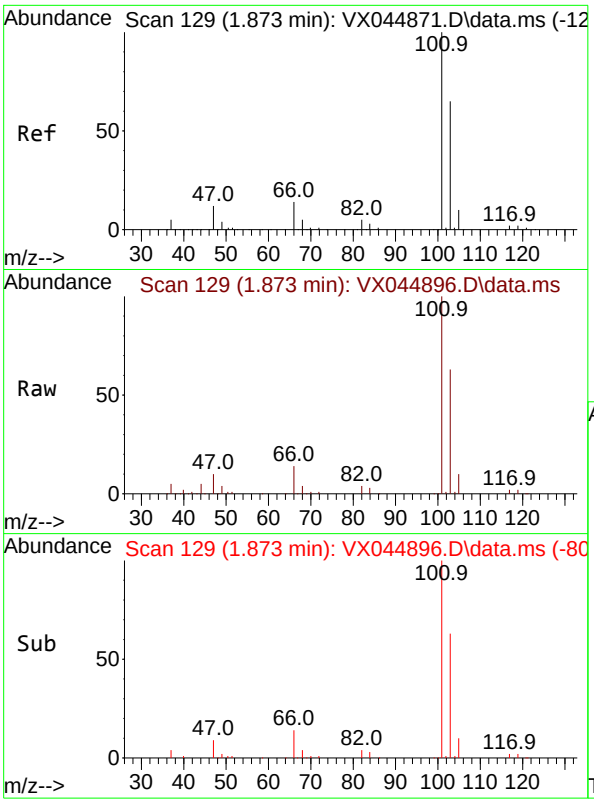


#6
Chloroethane
Concen: 22.573 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 64 Resp: 19246

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.9	38.9





#7
Trichlorofluoromethane
Concen: 18.299 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:101 Resp: 4683

Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.4	78.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
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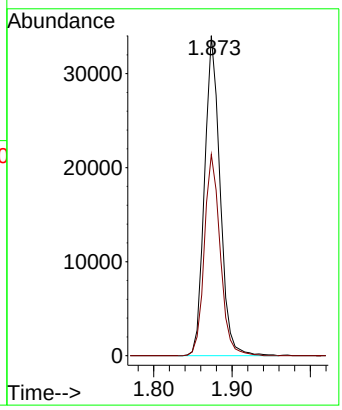
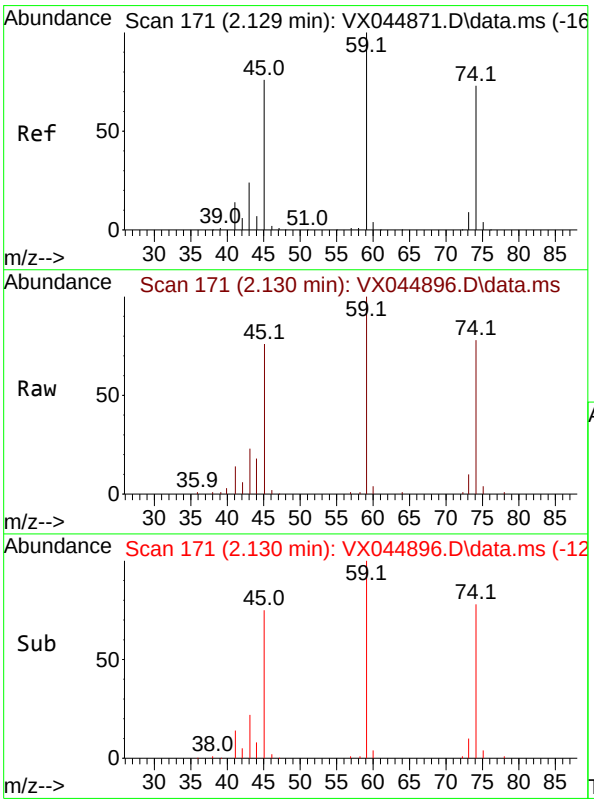
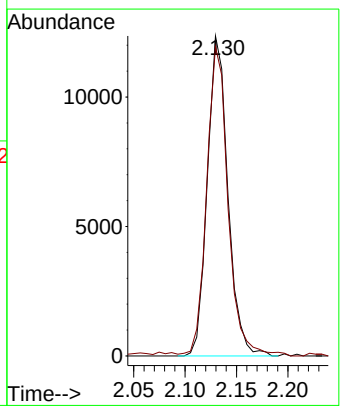


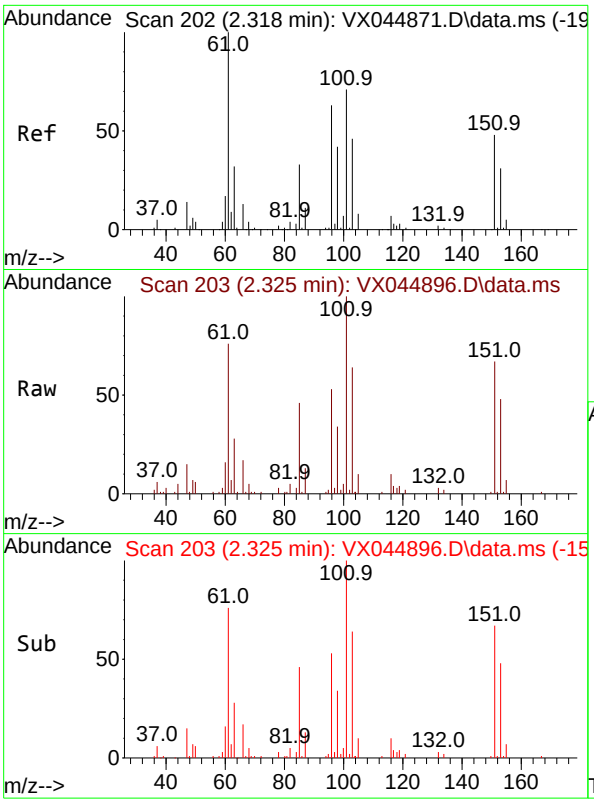


#8
Diethyl Ether
Concen: 18.520 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 74 Resp: 17191

Ion	Ratio	Lower	Upper
74	100		
45	100.5	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.490 ug/l
RT: 2.325 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:101 Resp: 2859

Ion	Ratio	Lower	Upper
101	100		
85	46.3	35.7	53.5
151	70.0	56.0	84.0

Manual Integrations
APPROVED

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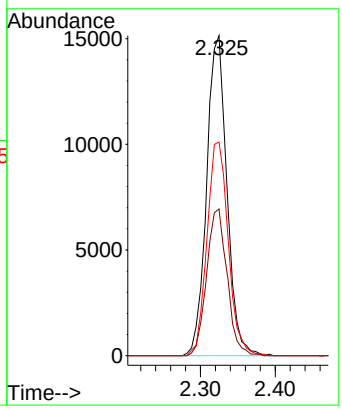
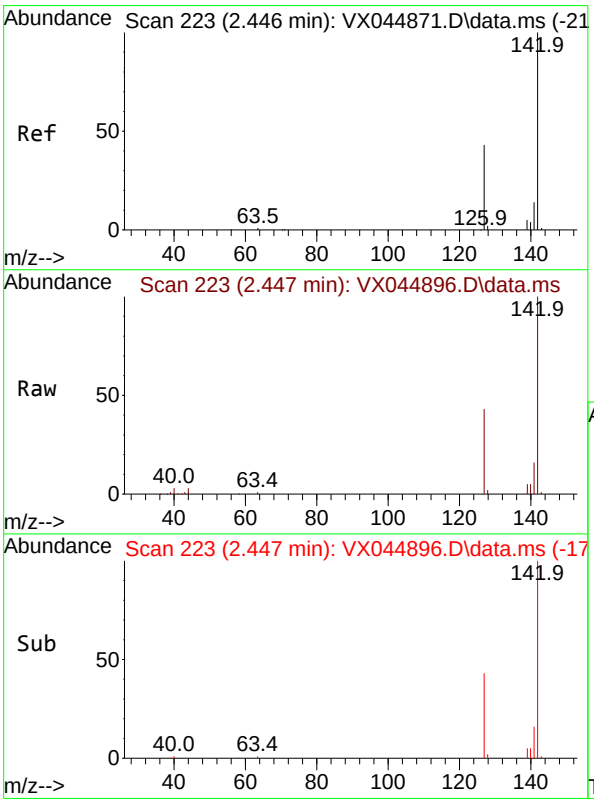
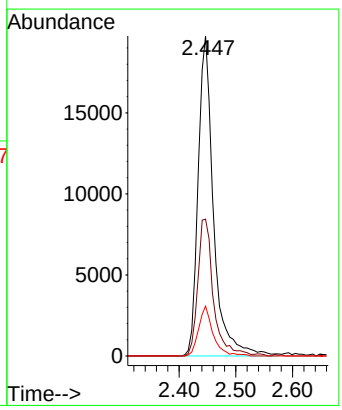


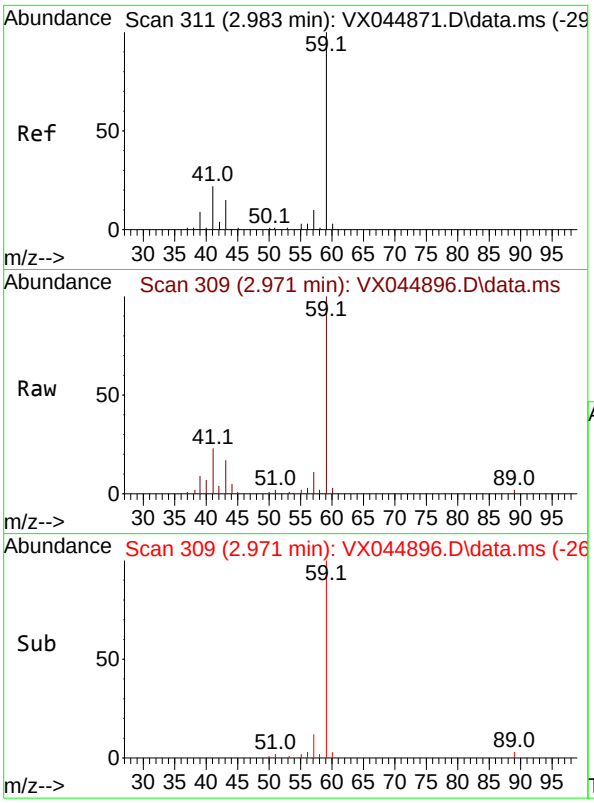


#10
Methyl Iodide
Concen: 18.586 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:142 Resp: 37251

Ion	Ratio	Lower	Upper
142	100		
127	43.2	34.3	51.5
141	14.7	11.4	17.2





#11
Tert butyl alcohol
Concen: 92.607 ug/l
RT: 2.971 min Scan# 3(
Delta R.T. -0.012 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 59 Resp: 3077

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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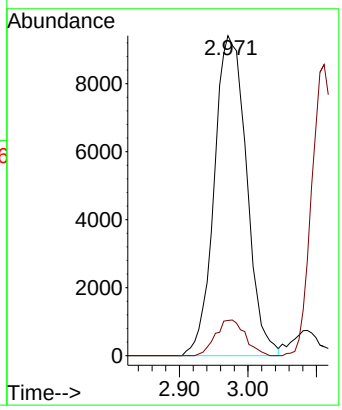
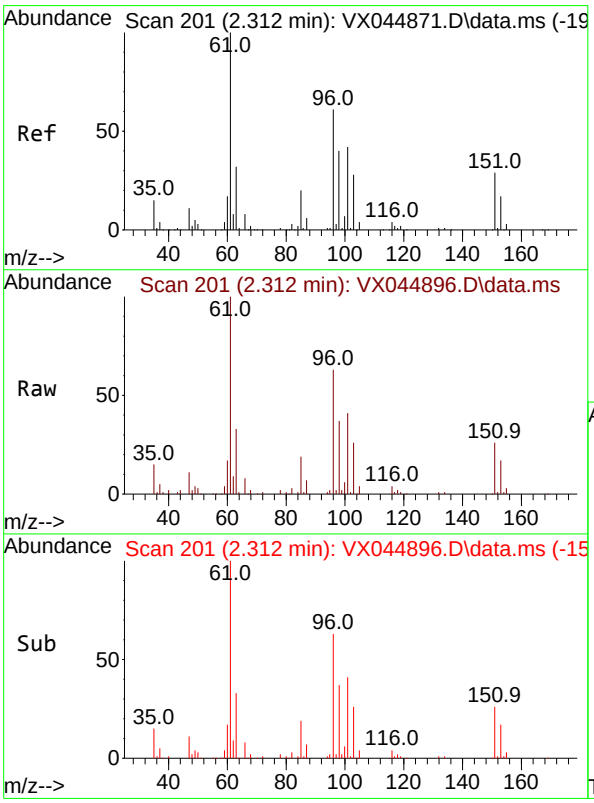
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

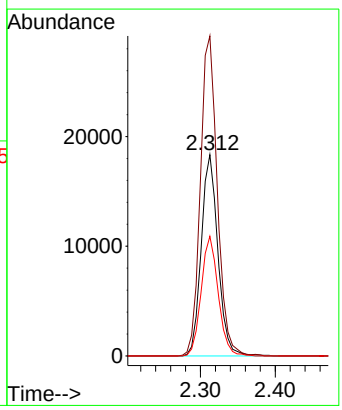


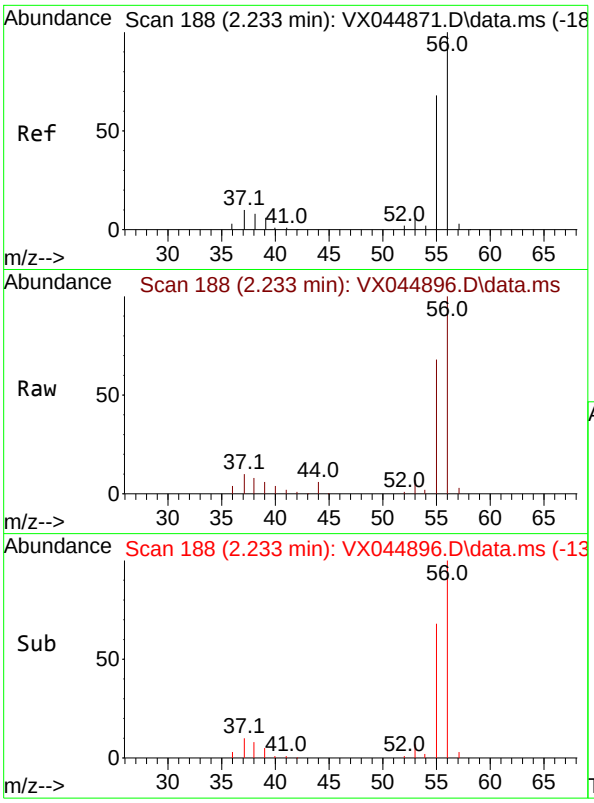


#12
1,1-Dichloroethene
Concen: 18.036 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 96 Resp: 28452

Ion	Ratio	Lower	Upper
96	100		
61	159.0	130.2	195.4
98	59.4	52.2	78.4





#13
Acrolein
Concen: 77.912 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 56 Resp: 2671

Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.7	83.5

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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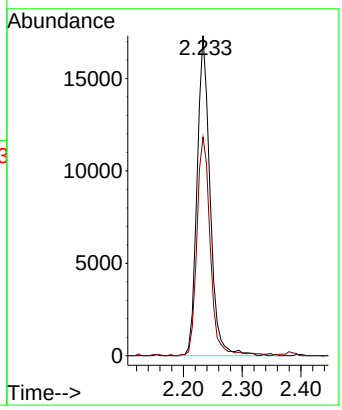
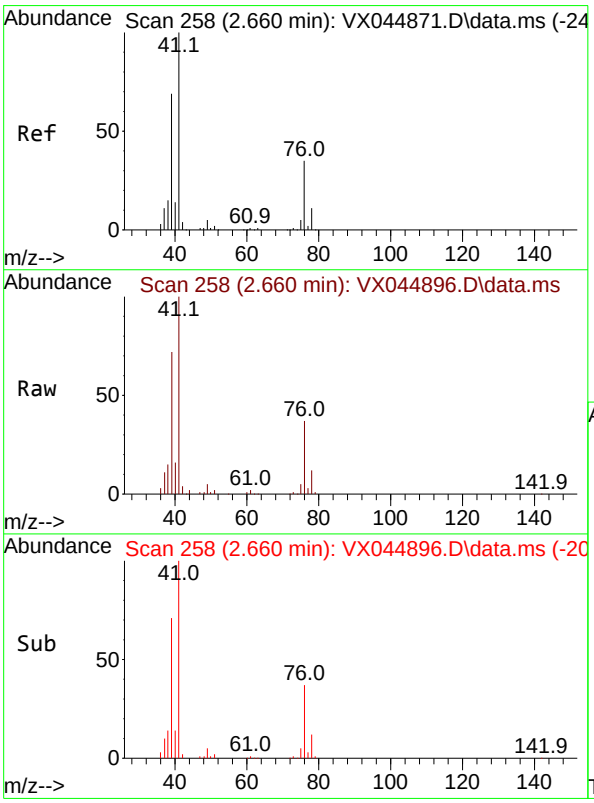
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

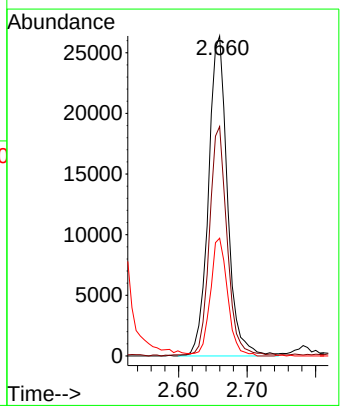


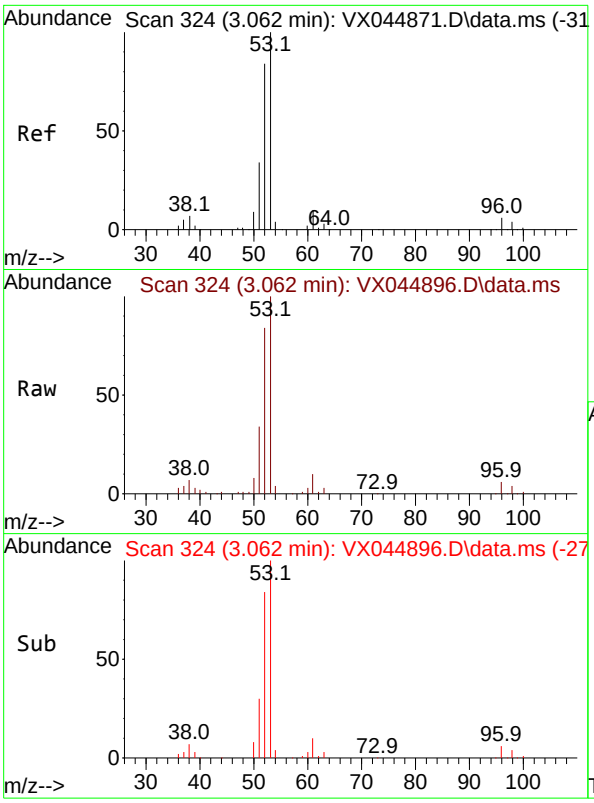


#14
Allyl chloride
Concen: 17.814 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 41 Resp: 50787

Ion	Ratio	Lower	Upper
41	100		
39	67.2	51.4	77.2
76	33.4	27.0	40.4





#15
Acrylonitrile
Concen: 89.177 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

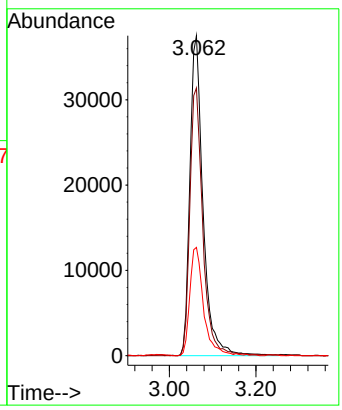
Tgt Ion: 53 Resp: 7913

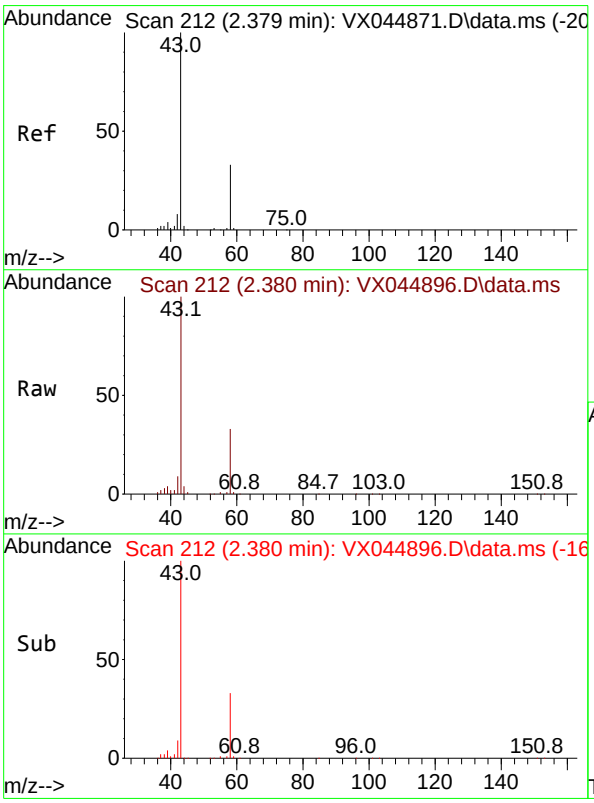
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.0	97.6
51	35.5	28.0	42.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

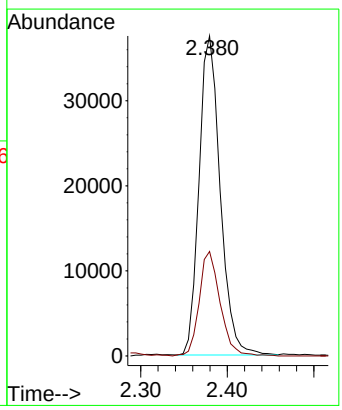


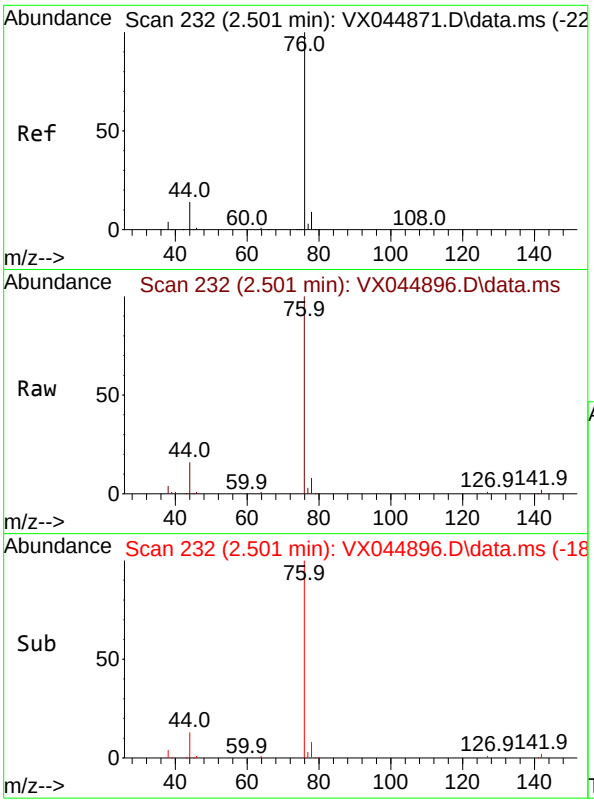


#16
Acetone
Concen: 88.221 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 63538

Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.5	39.7





#17
Carbon Disulfide
Concen: 17.170 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 76 Resp: 7427

Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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Reviewed By :John Carlone 02/12/2025
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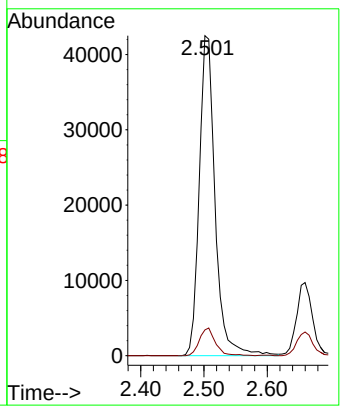
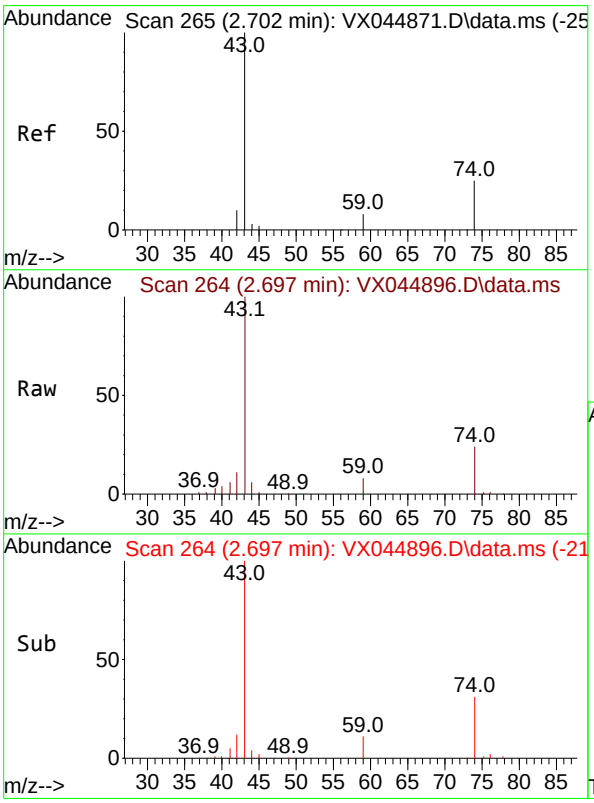
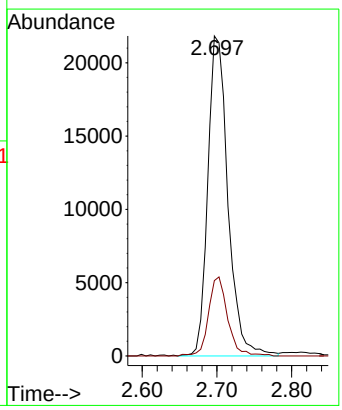


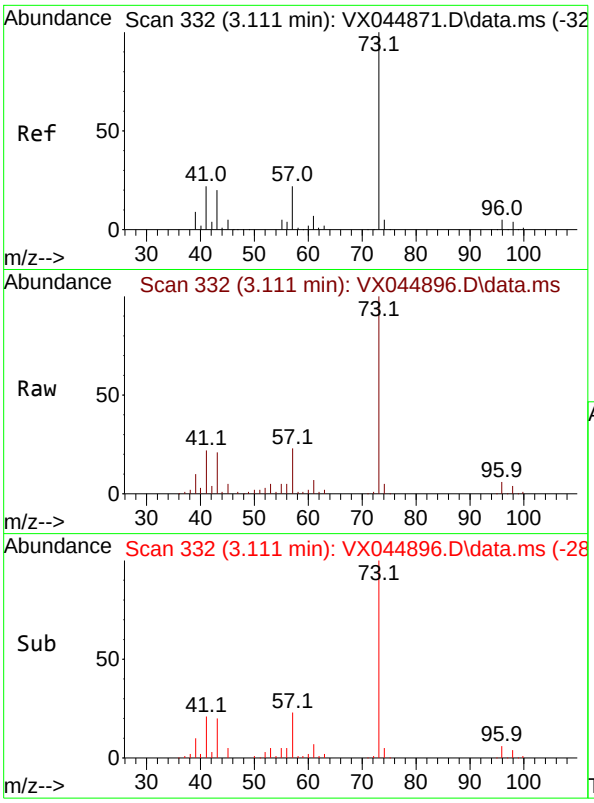


#18
Methyl Acetate
Concen: 18.021 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 40956

Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 17.778 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

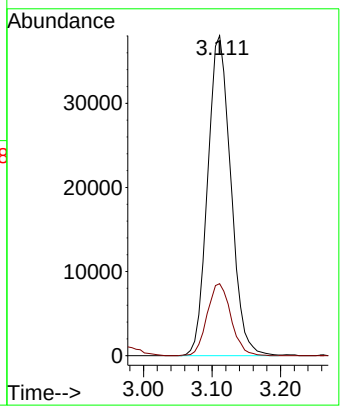
Tgt Ion: 73 Resp: 8922

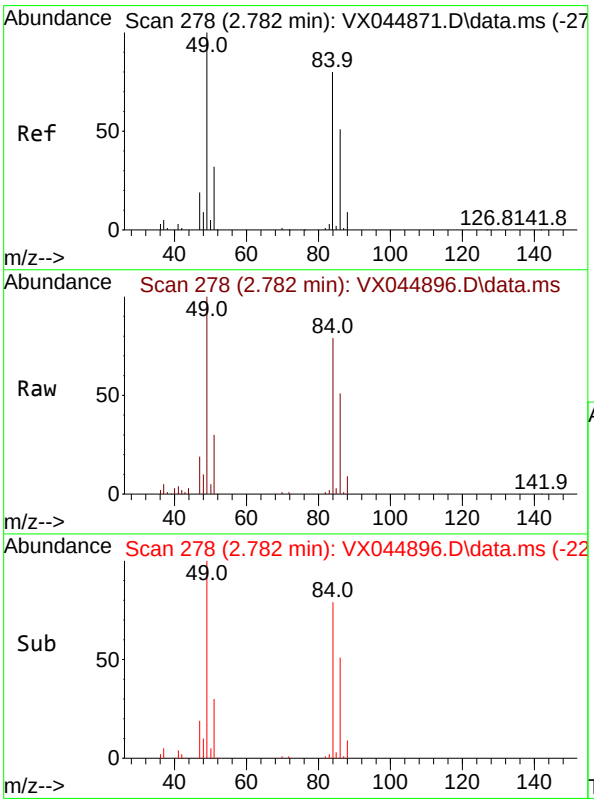
Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

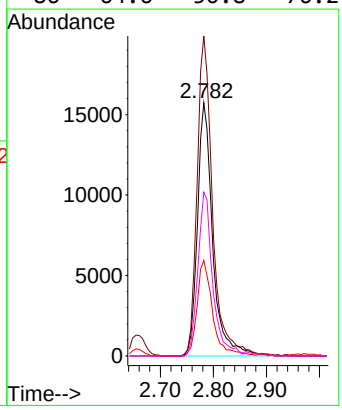


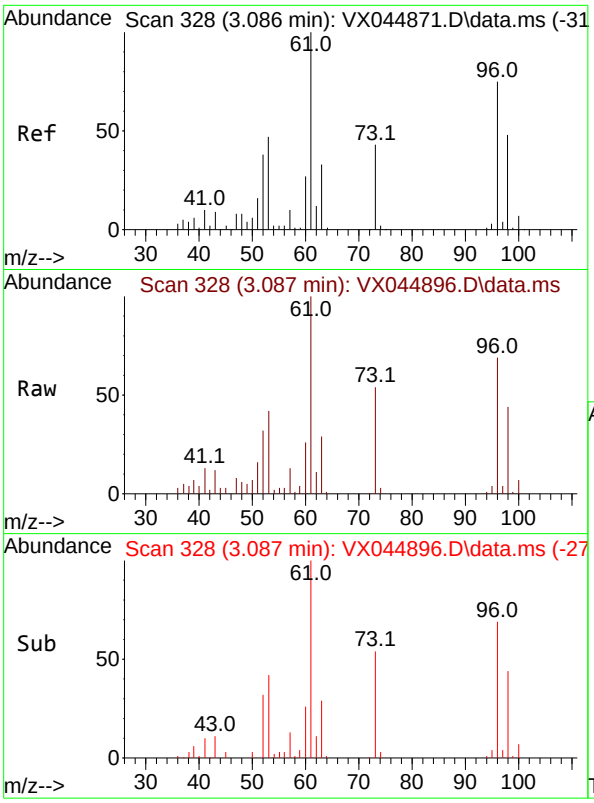


#20
Methylene Chloride
Concen: 17.847 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 84 Resp: 31484

Ion	Ratio	Lower	Upper
84	100		
49	126.4	100.1	150.1
51	37.7	31.7	47.5
86	64.6	50.8	76.2





#21
trans-1,2-Dichloroethene
Concen: 17.988 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

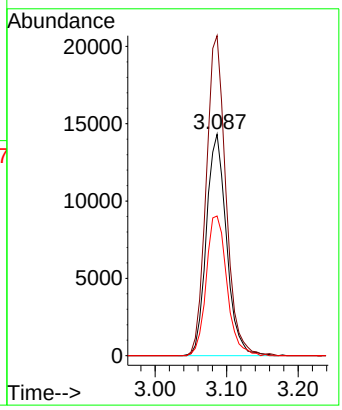
Tgt Ion: 96 Resp: 27928

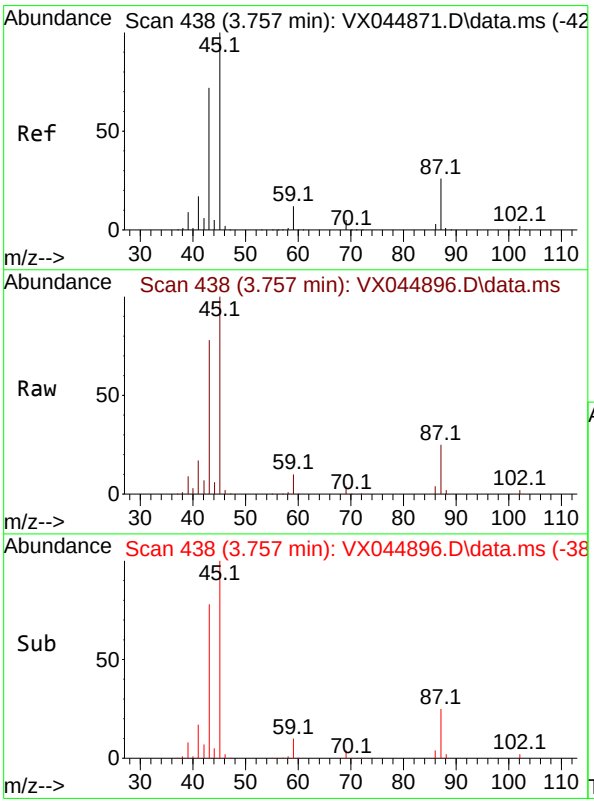
Ion	Ratio	Lower	Upper
96	100		
61	144.5	106.0	159.0
98	63.1	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

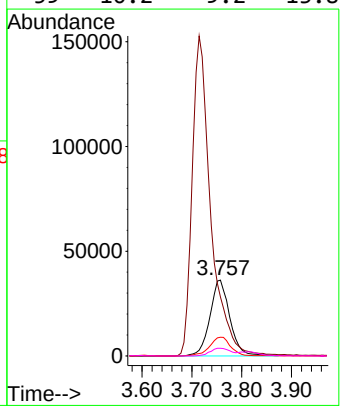


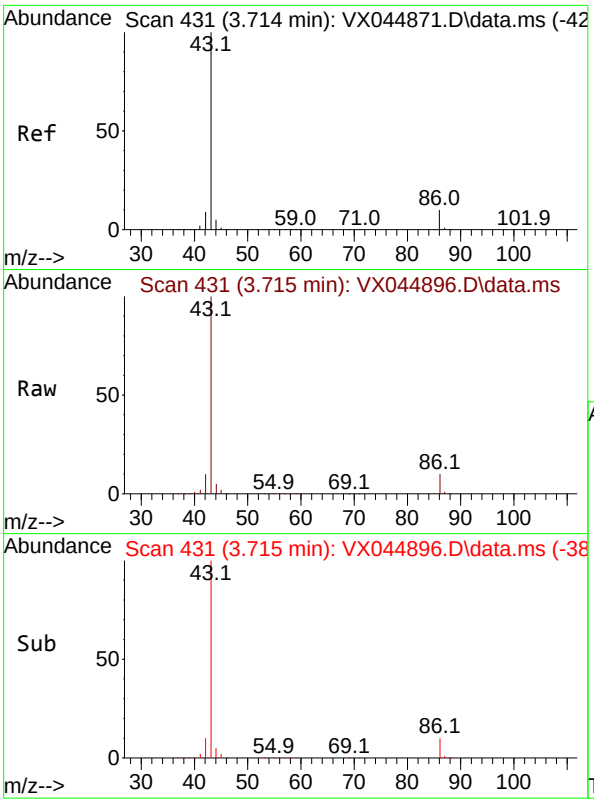


#22
Diisopropyl ether
Concen: 18.613 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 45 Resp: 100392

Ion	Ratio	Lower	Upper
45	100		
43	77.3	58.0	87.0
87	24.7	20.7	31.1
59	10.2	9.2	13.8





#23
Vinyl Acetate
Concen: 90.433 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 39764

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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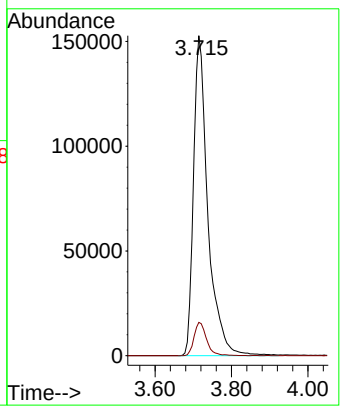
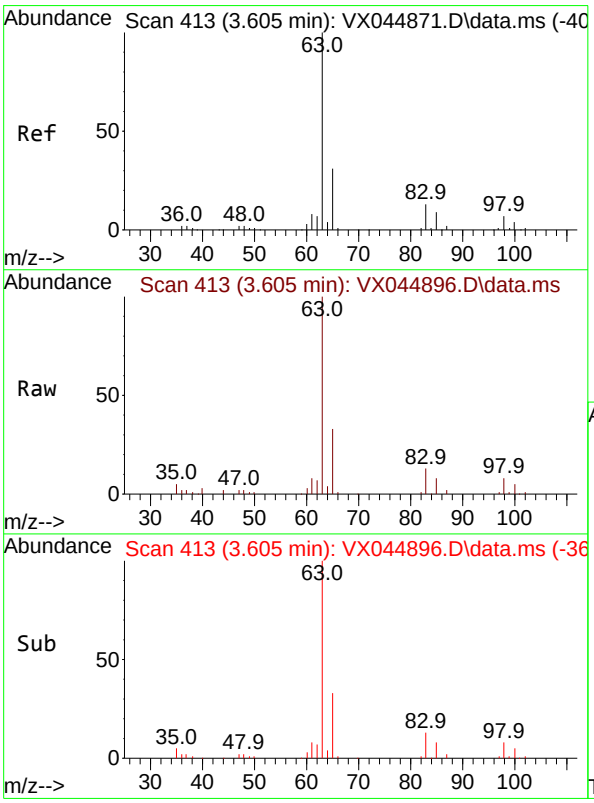
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

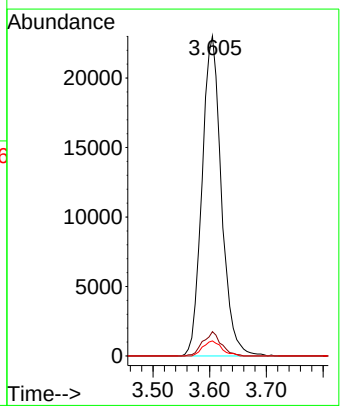


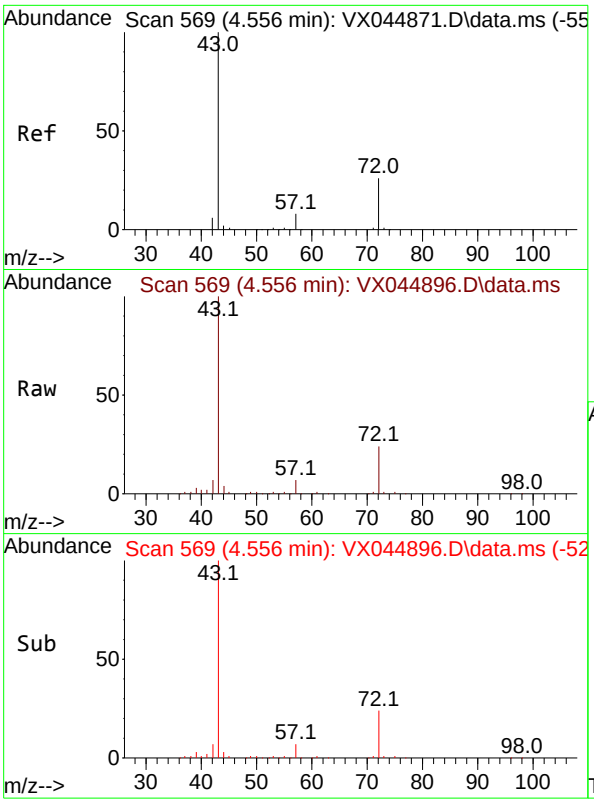


#24
1,1-Dichloroethane
Concen: 18.099 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 63 Resp: 54622

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.3	9.9
100	4.7	2.1	6.5





#25
2-Butanone
Concen: 90.302 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 10560

Ion	Ratio	Lower	Upper
43	100		
72	24.0	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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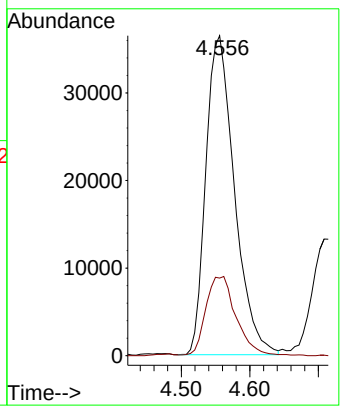
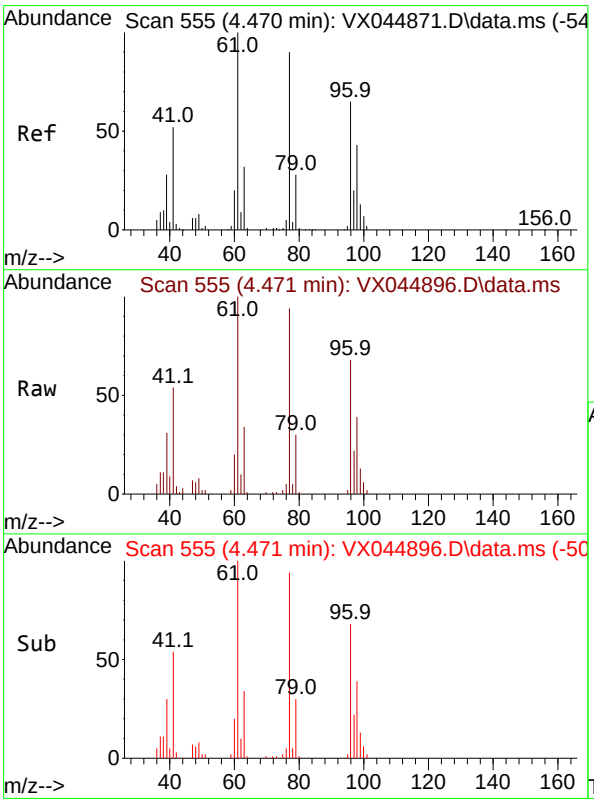
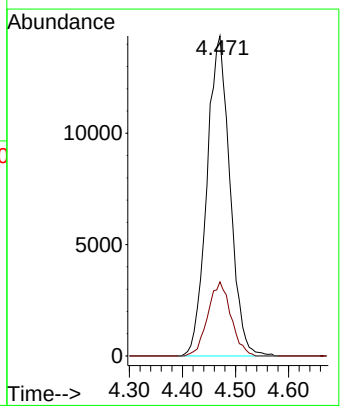


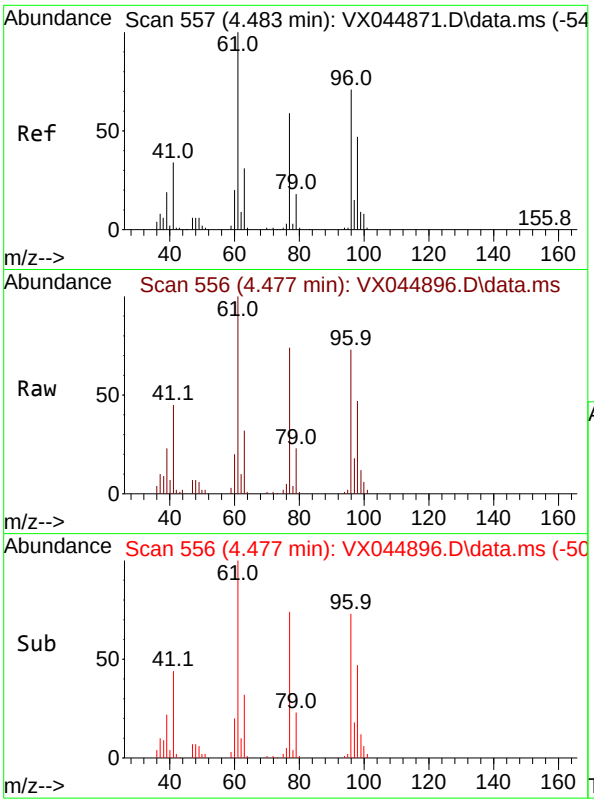


#26
2,2-Dichloropropane
Concen: 18.080 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 77 Resp: 43271

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.8	35.3





#27
cis-1,2-Dichloroethene
Concen: 18.557 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 96 Resp: 3460

Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	294.0
98	63.9	0.0	131.2

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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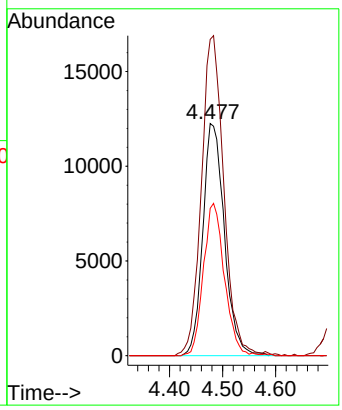
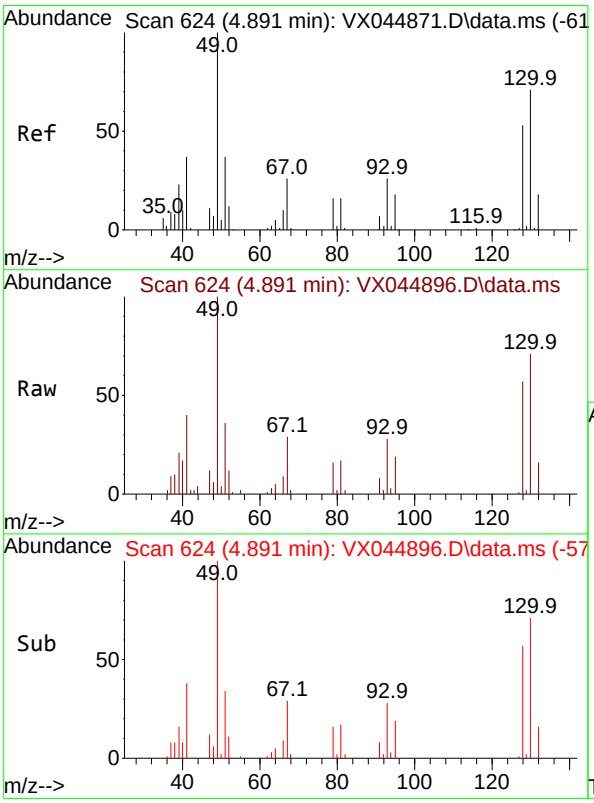
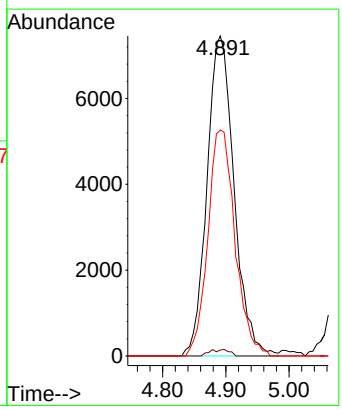


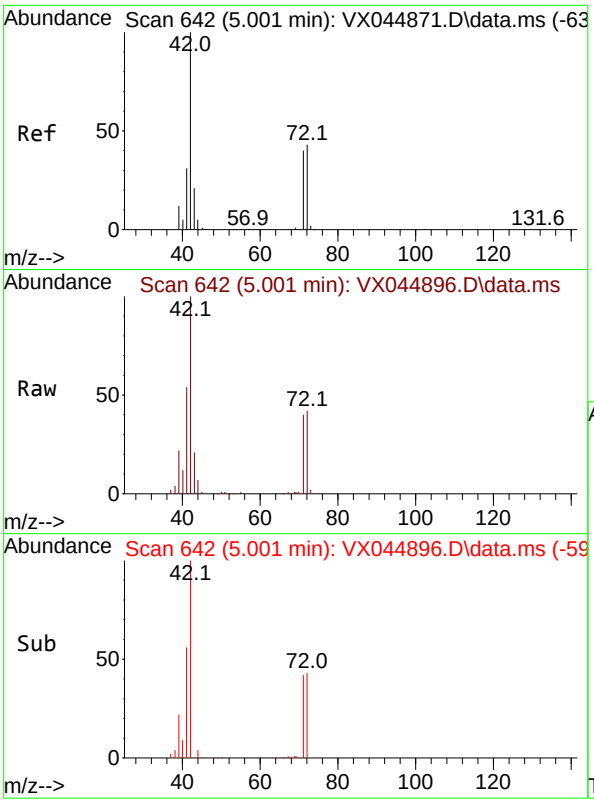


#28
Bromochloromethane
Concen: 15.285 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 49 Resp: 22169

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	70.7	56.7	85.1





#29
Tetrahydrofuran
Concen: 92.261 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 42 Resp: 7164

Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.0	52.4
71	40.6	32.6	48.8

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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Reviewed By :John Carlone 02/12/2025
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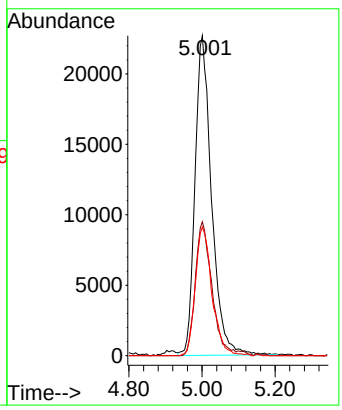
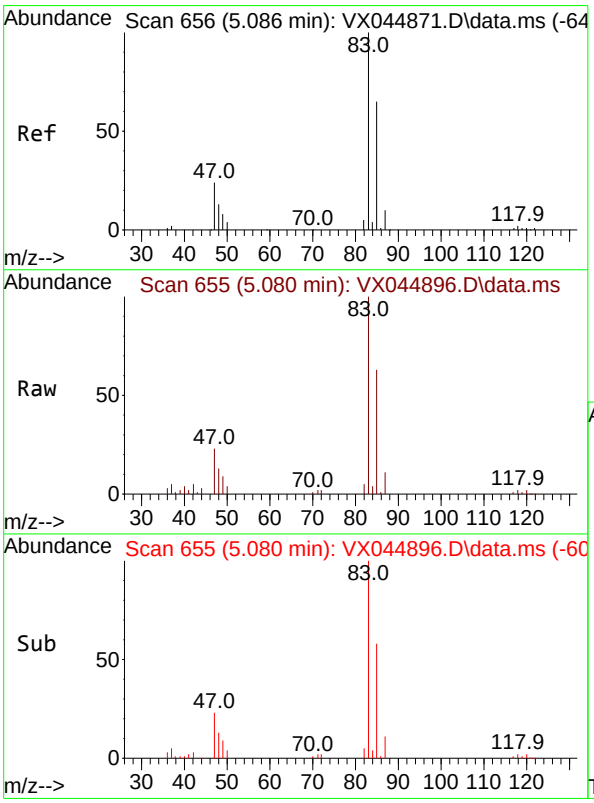
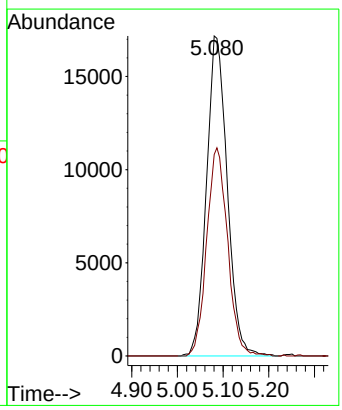


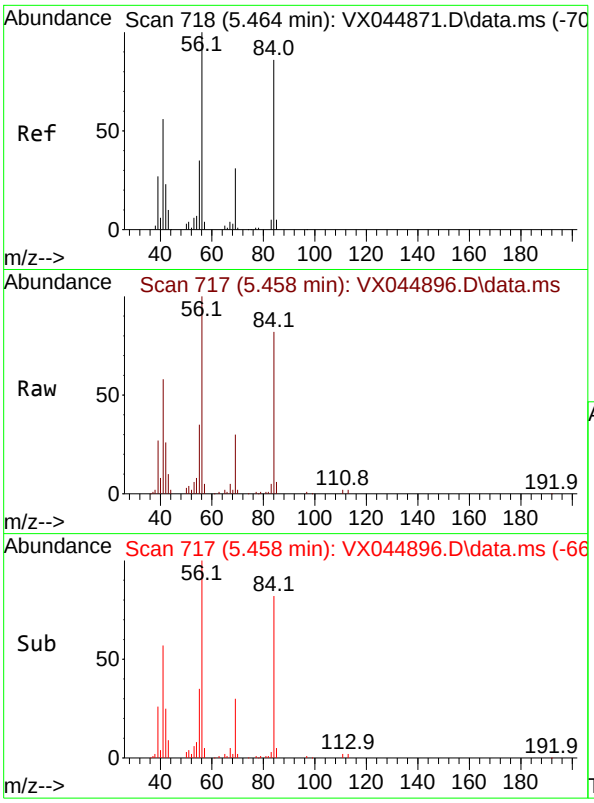


#30
Chloroform
Concen: 18.470 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 83 Resp: 54058

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.1	78.1





#31
Cyclohexane
Concen: 18.194 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 56 Resp: 5062

Ion	Ratio	Lower	Upper
56	100		
69	29.1	24.4	36.6
84	80.1	69.0	103.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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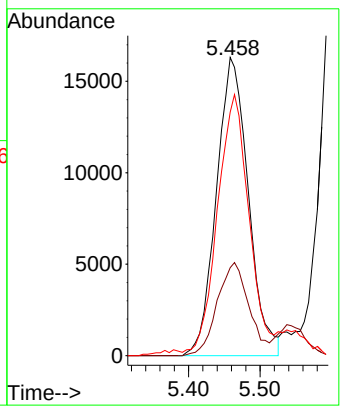
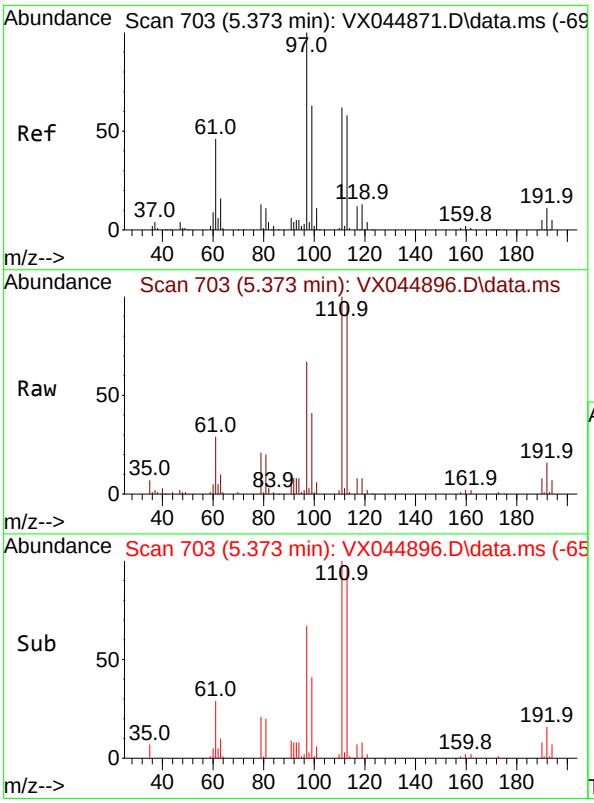
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

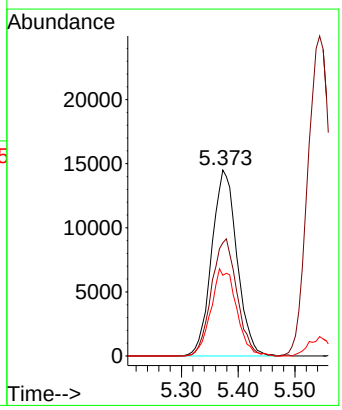


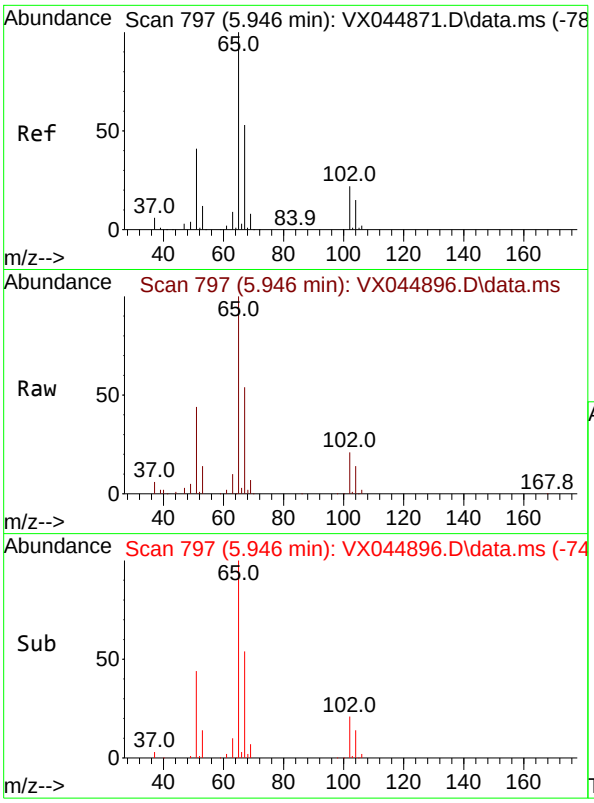


#32
1,1,1-Trichloroethane
Concen: 18.109 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 97 Resp: 44956

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	47.3	36.6	55.0





#33
1,2-Dichloroethane-d4
Concen: 43.760 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 65 Resp: 7839

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.2

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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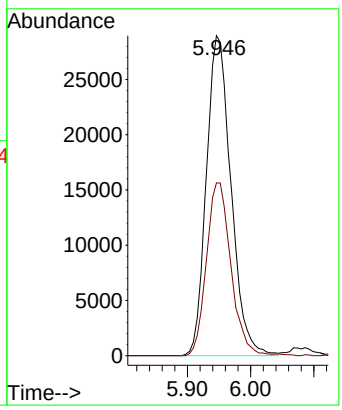
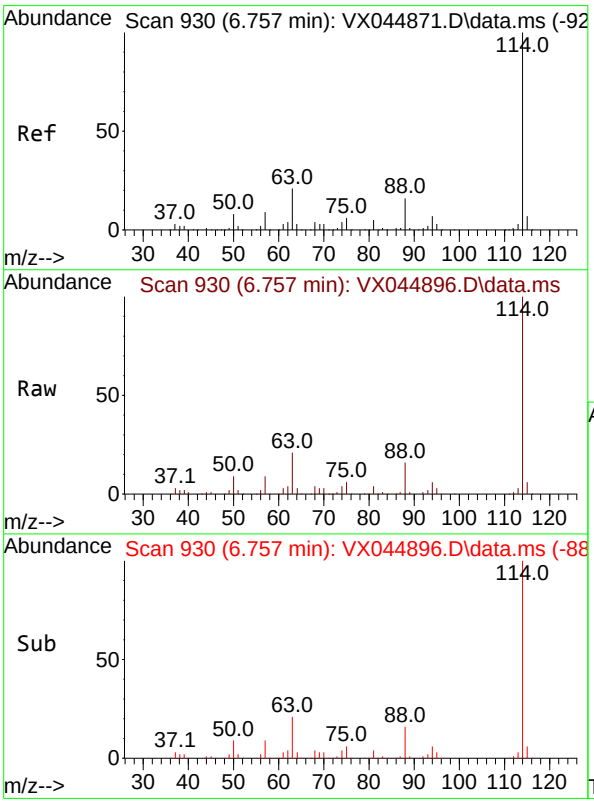
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

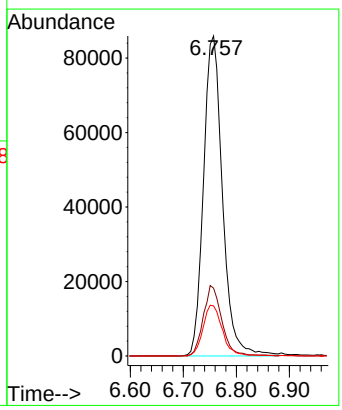


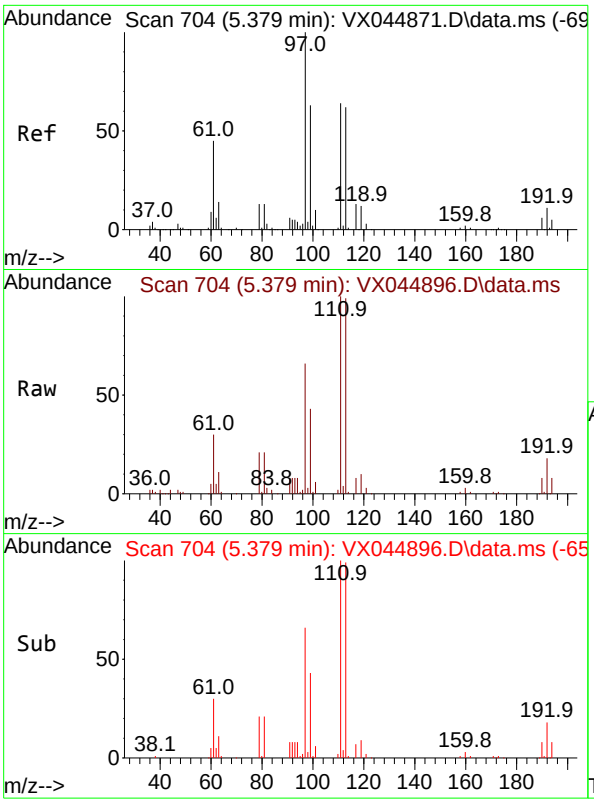


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:114 Resp: 213544

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	15.7	0.0	31.4





#35
Dibromofluoromethane
Concen: 45.489 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:113 Resp: 6315(

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.5	125.3
192	17.5	14.4	21.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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Reviewed By :John Carlone 02/12/2025
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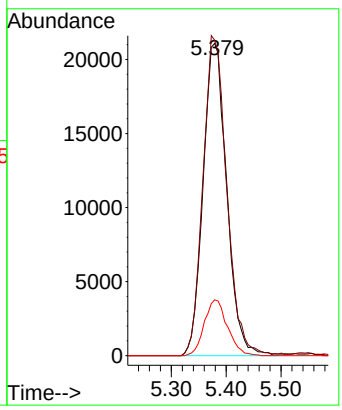
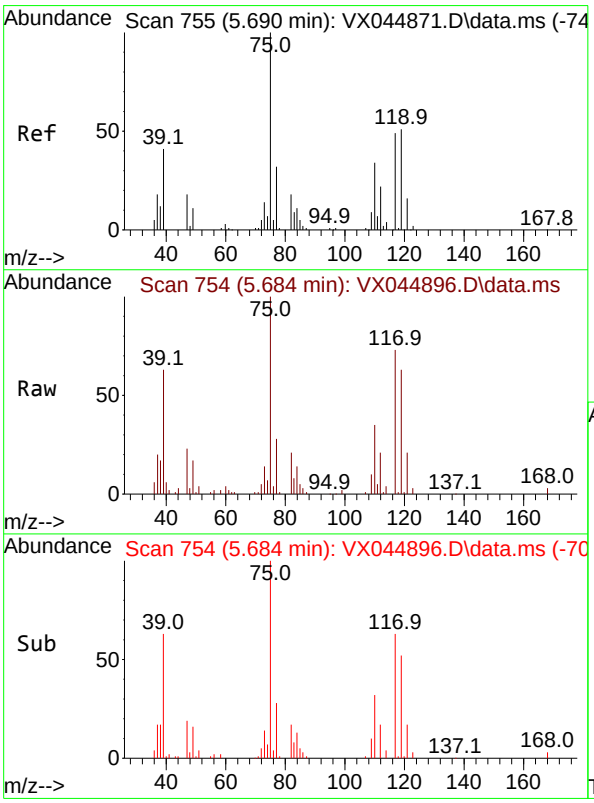
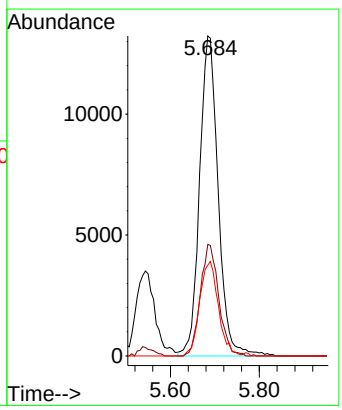


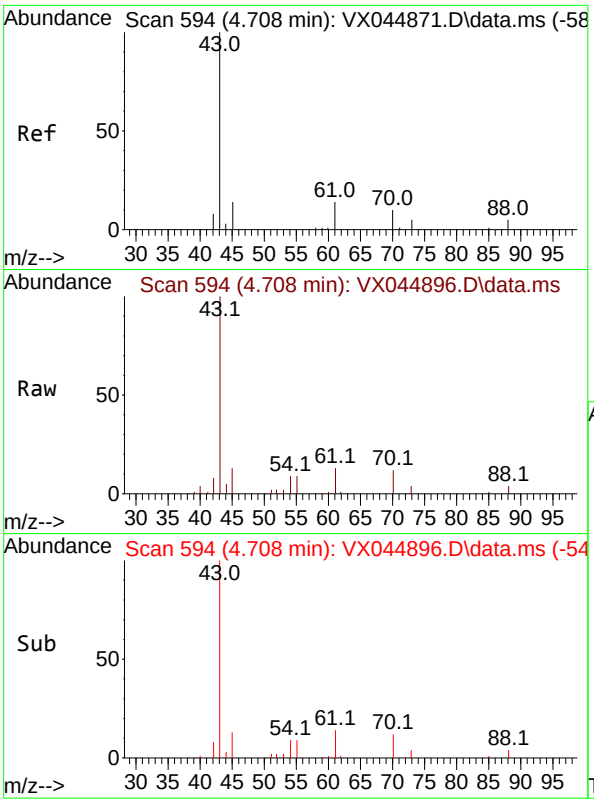


#36
1,1-Dichloropropene
Concen: 19.249 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 75 Resp: 38557

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.2	51.6
77	29.6	24.6	37.0





#37
Ethyl Acetate
Concen: 17.903 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 3988

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.4
70	10.7	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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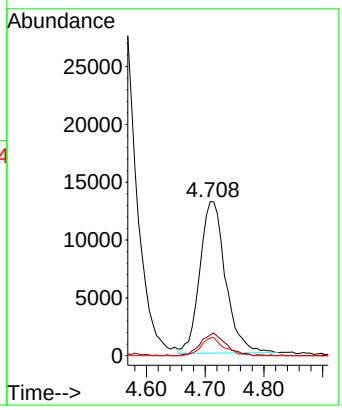
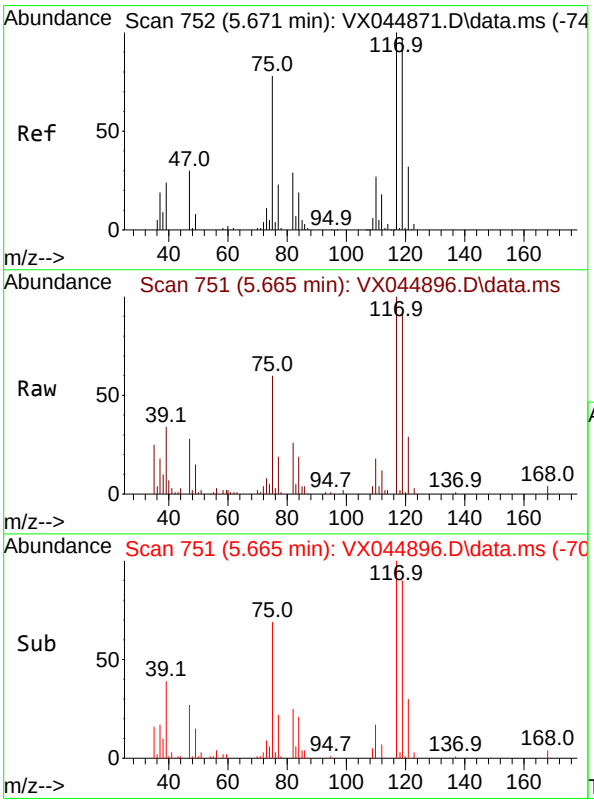
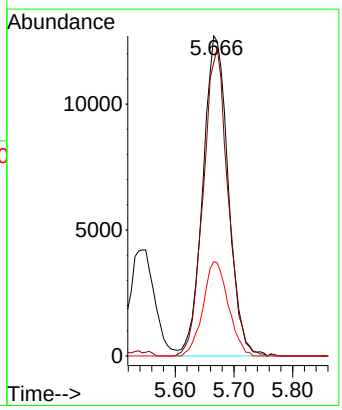


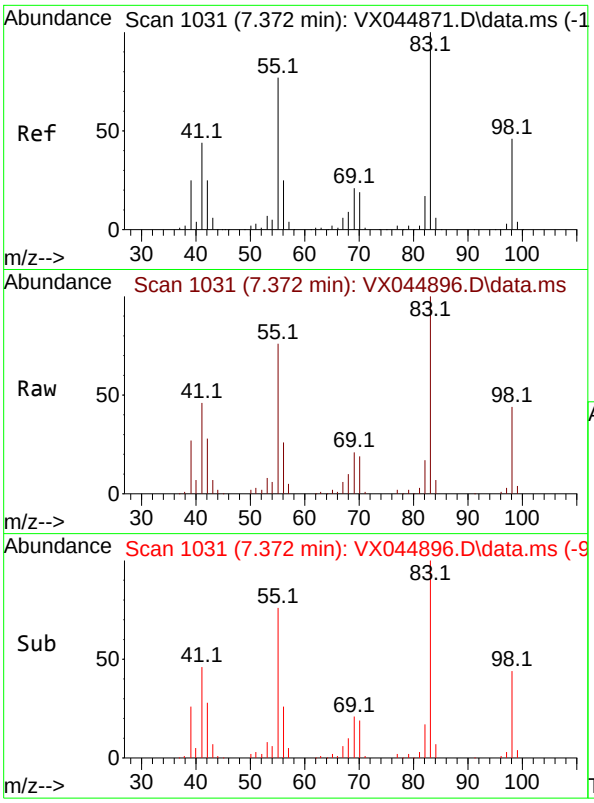


#38
Carbon Tetrachloride
Concen: 19.346 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:117 Resp: 37975

Ion	Ratio	Lower	Upper
117	100		
119	91.7	77.5	116.3
121	29.5	25.6	38.4





#39
Methylcyclohexane
Concen: 20.307 ug/l
RT: 7.372 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 83 Resp: 5258

Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.3	91.9
98	43.8	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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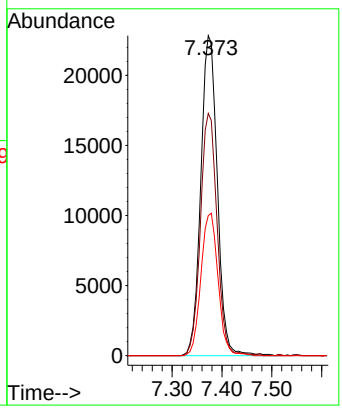
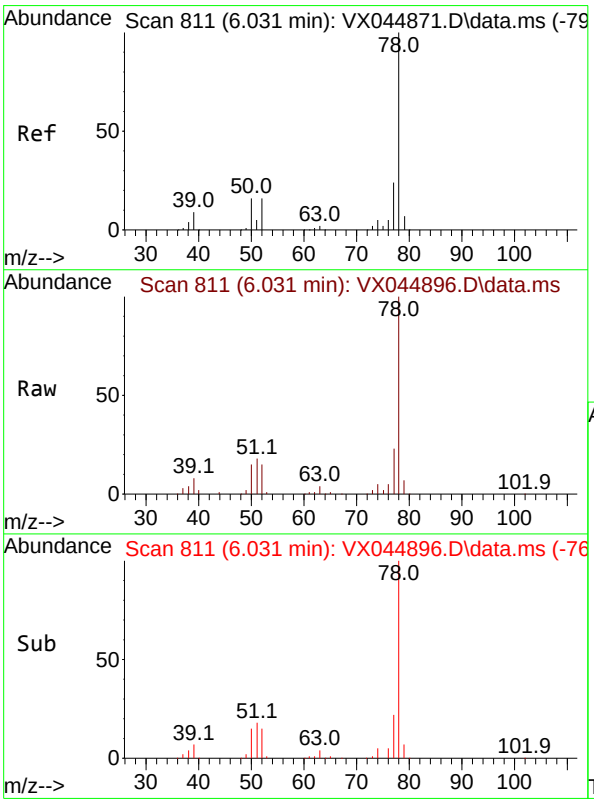
Supervised By :Mahesh Dadoda 02/12/2025

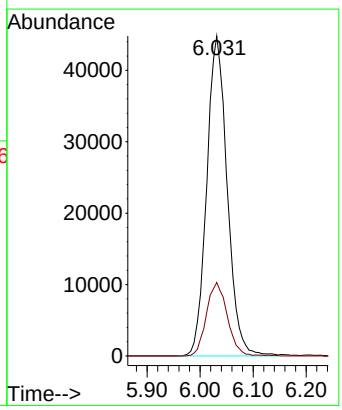


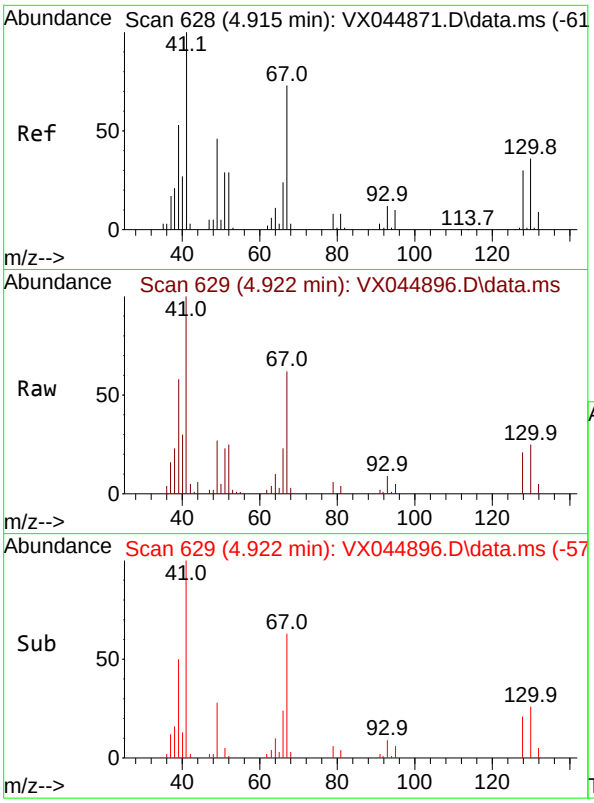


#40
Benzene
Concen: 19.233 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 78 Resp: 120297

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6





#41
Methacrylonitrile
Concen: 18.621 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 41 Resp: 2220

Ion	Ratio	Lower	Upper
41	100		
39	57.8	43.1	64.7
67	73.5	57.0	85.6
52	31.0	24.0	36.0

Manual Integrations
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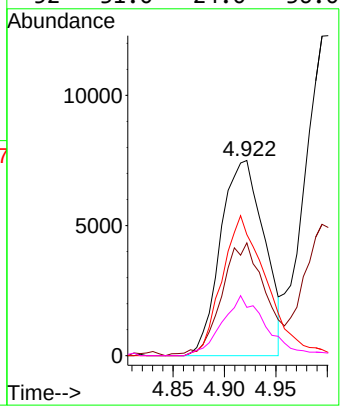
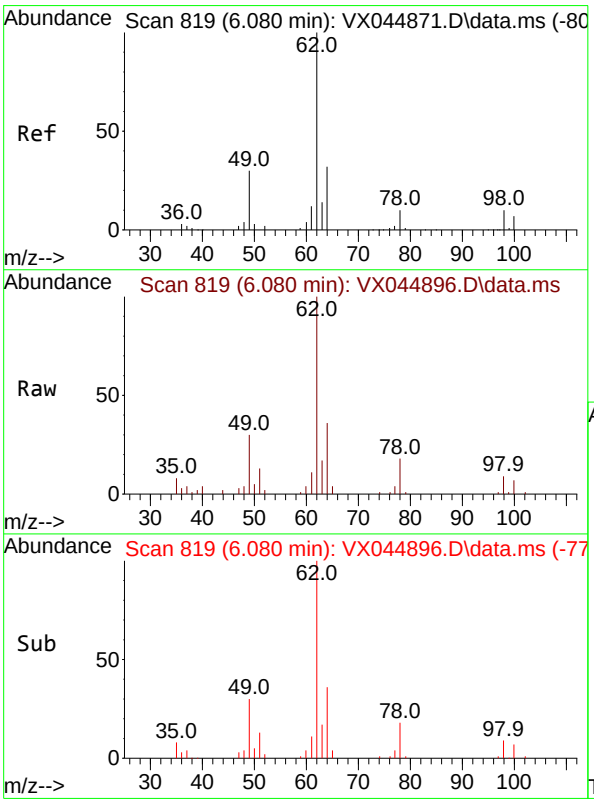
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

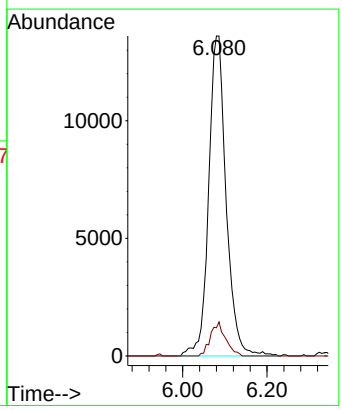


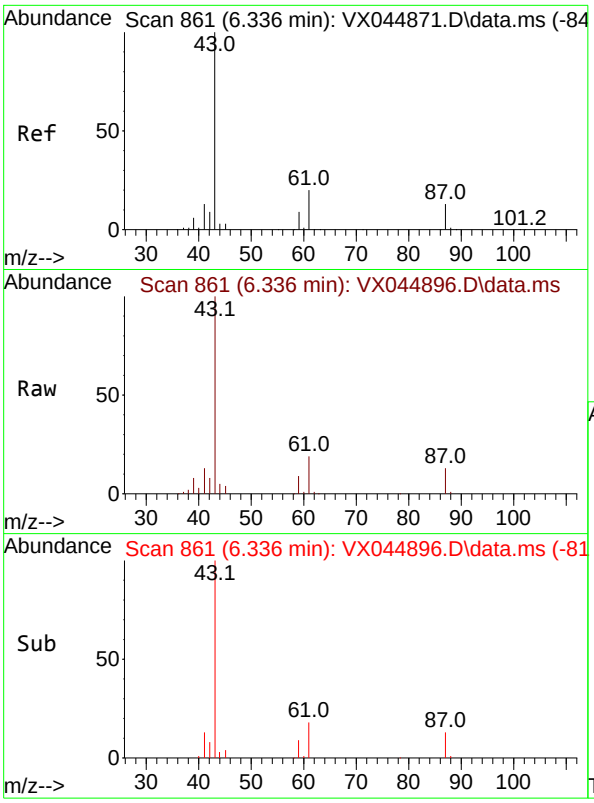


#42
1,2-Dichloroethane
Concen: 19.662 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 62 Resp: 39196

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.4





#43
Isopropyl Acetate
Concen: 18.670 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 6717

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.8
87	12.9	10.0	15.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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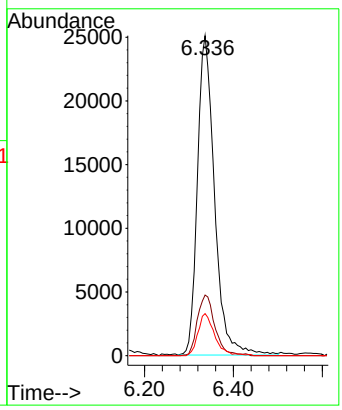
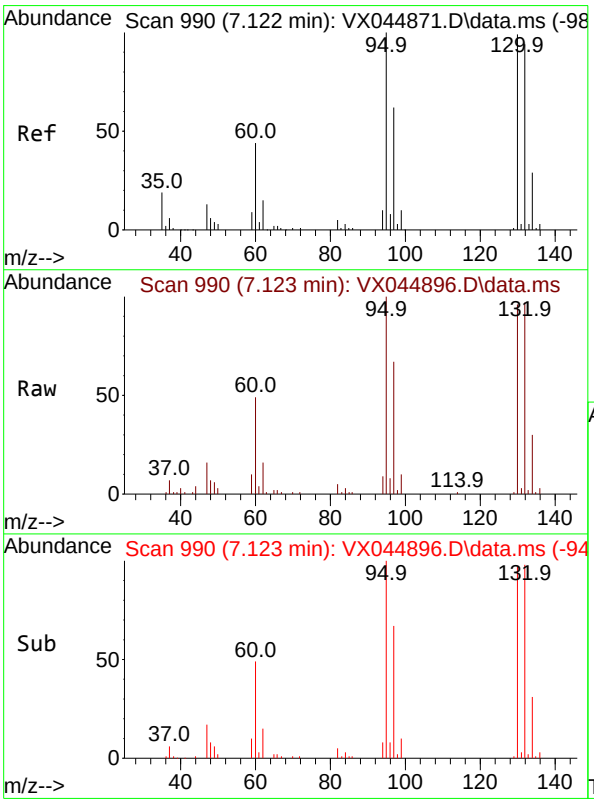
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

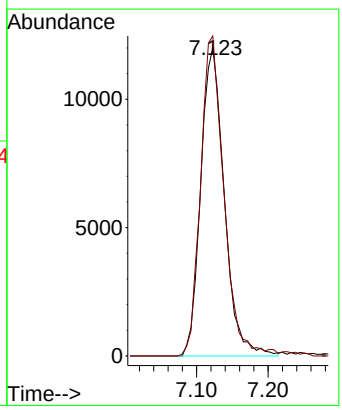


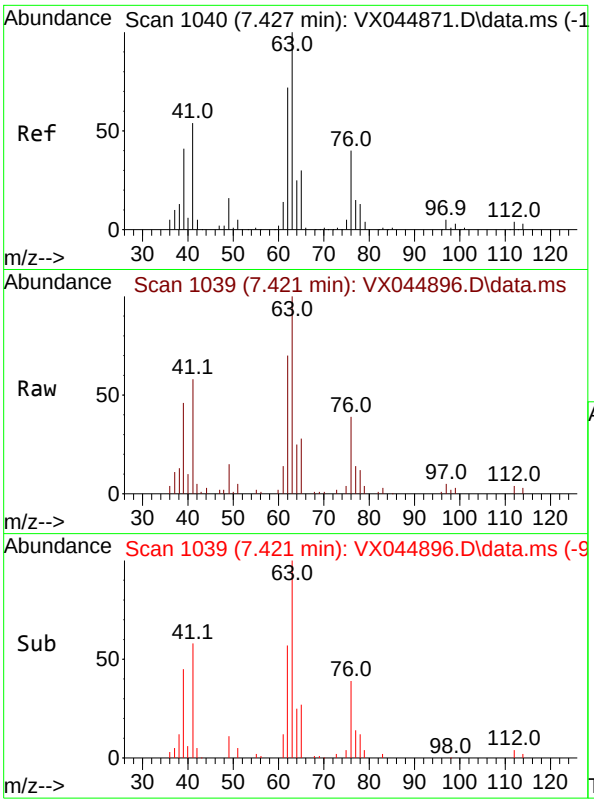


#44
Trichloroethene
Concen: 19.193 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:130 Resp: 27440

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	202.4





#45
1,2-Dichloropropane
Concen: 19.091 ug/l
RT: 7.421 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 63 Resp: 2970

Ion	Ratio	Lower	Upper
63	100		
65	28.4	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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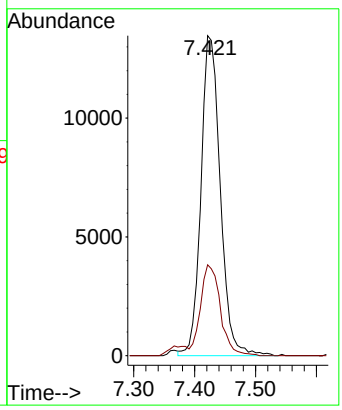
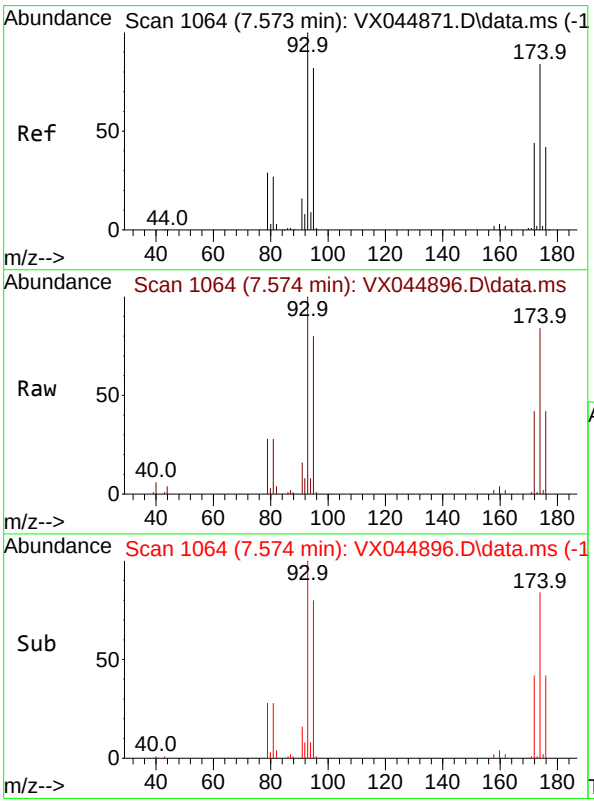
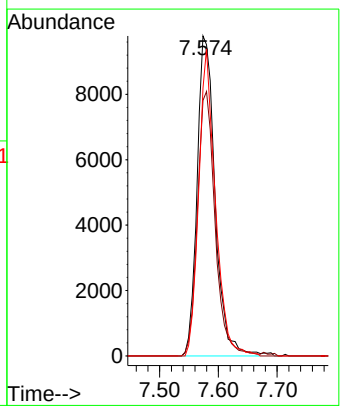


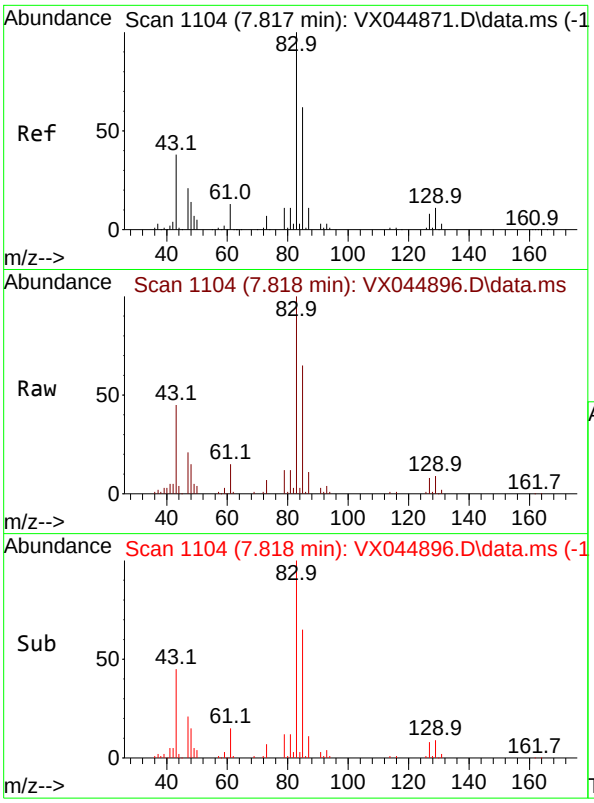


#46
Dibromomethane
Concen: 19.240 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 93 Resp: 20763

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.2	99.4
174	88.8	69.9	104.9





#47
Bromodichloromethane
Concen: 19.539 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 83 Resp: 4082

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.0	75.0
127	7.7	6.4	9.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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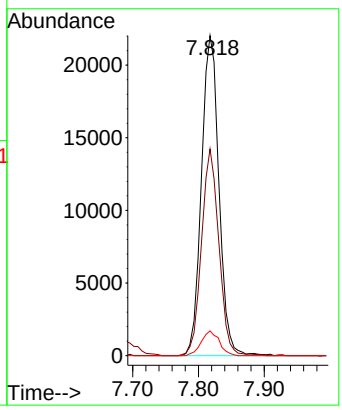
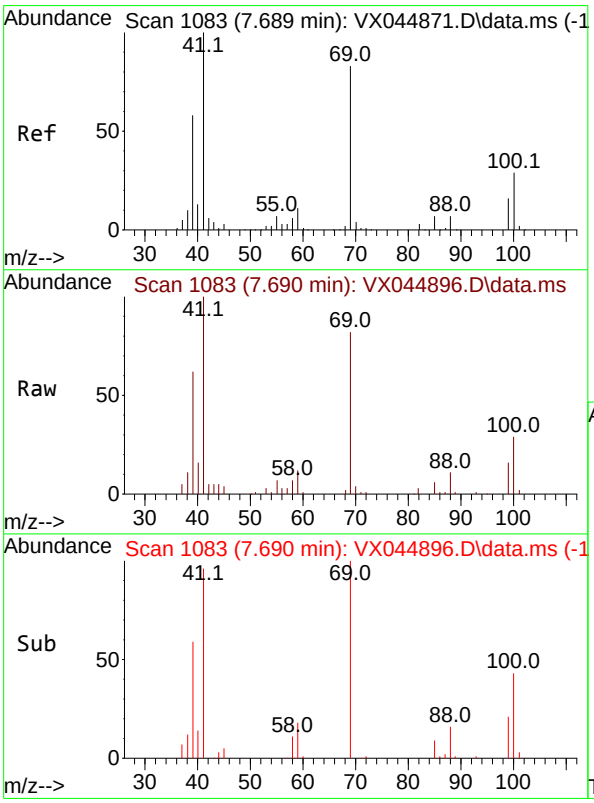
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

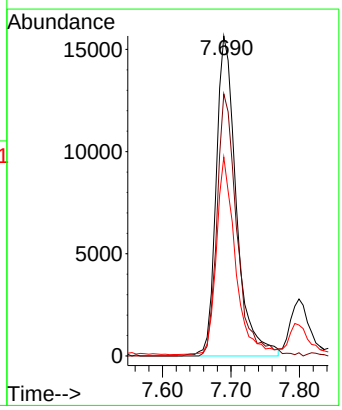


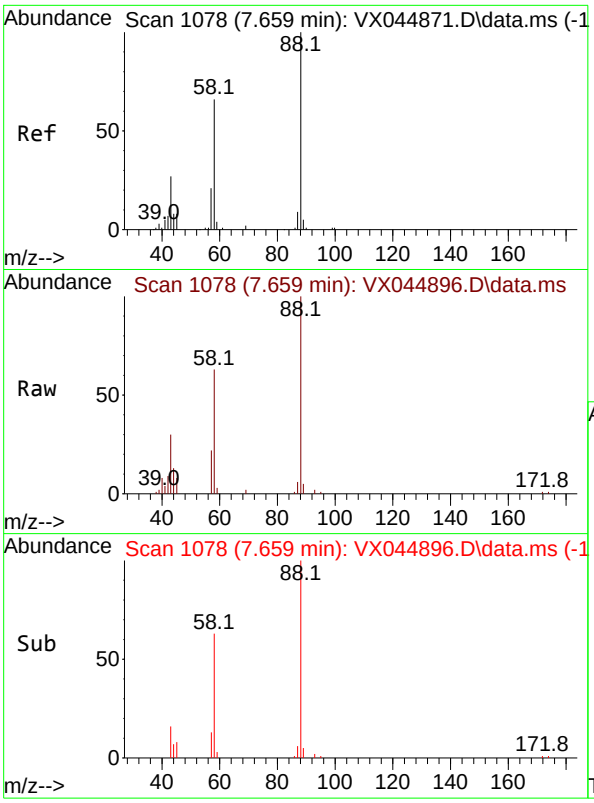


#48
Methyl methacrylate
Concen: 18.854 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 41 Resp: 31984

Ion	Ratio	Lower	Upper
41	100		
69	80.7	65.8	98.8
39	57.5	46.4	69.6





#49
1,4-Dioxane
Concen: 413.003 ug/l
RT: 7.659 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 88 Resp: 1503

Ion	Ratio	Lower	Upper
88	100		
43	36.3	26.6	39.8
58	68.2	55.9	83.9

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED

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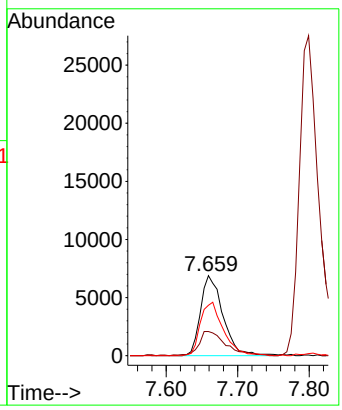
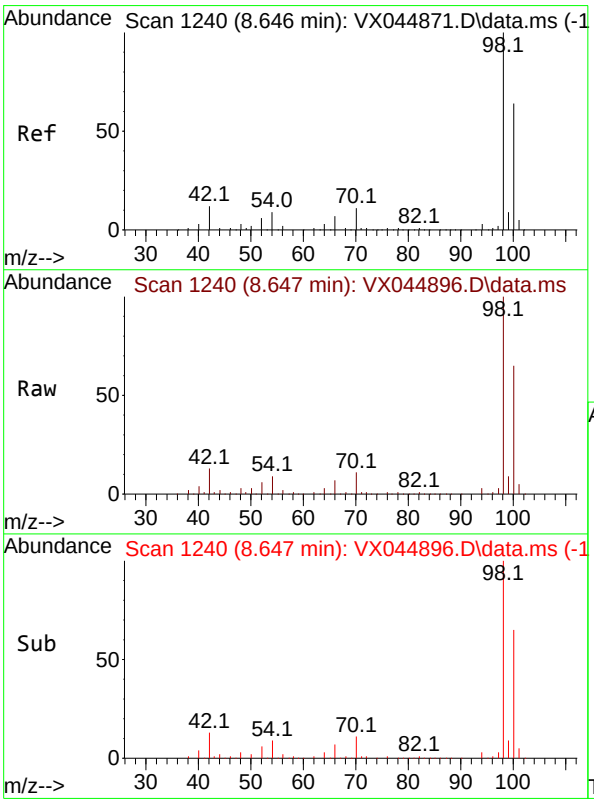
Supervised By :Mahesh Dadoda 02/12/2025

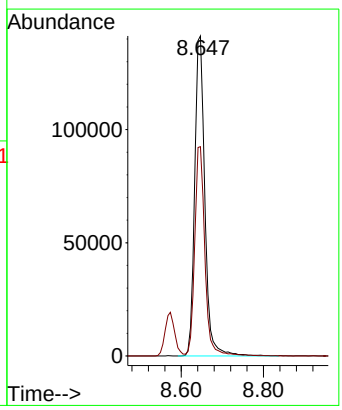


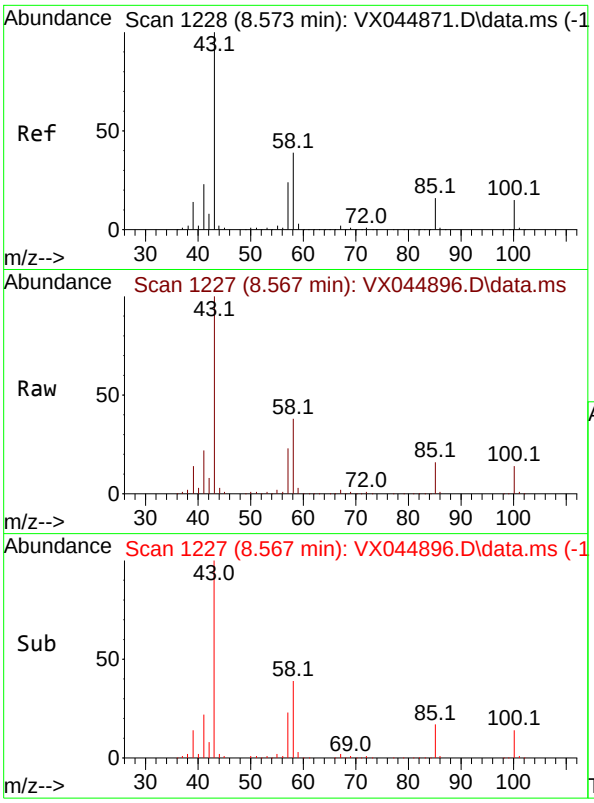


#50
Toluene-d8
Concen: 46.183 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 98 Resp: 242464

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 99.343 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 21729

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.8	46.2

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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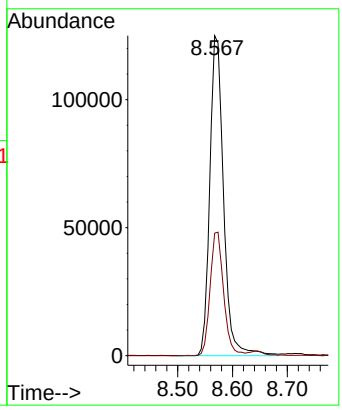
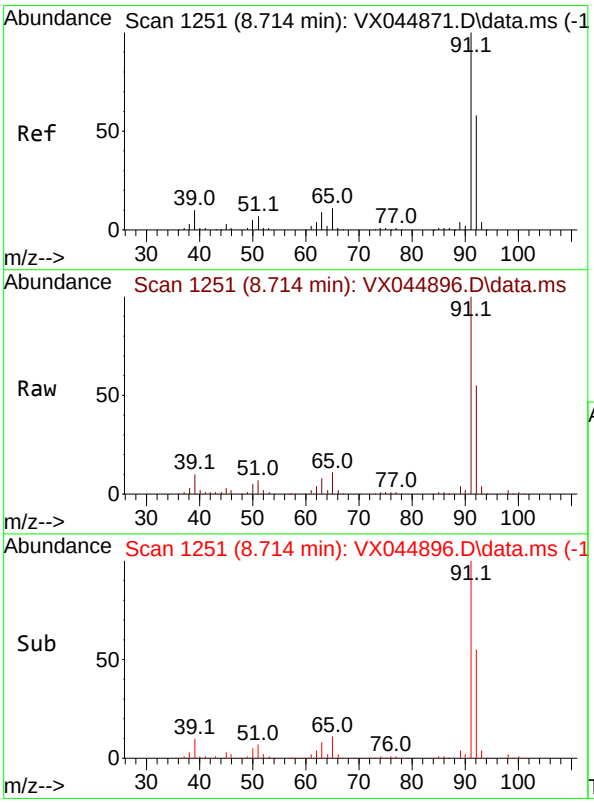
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

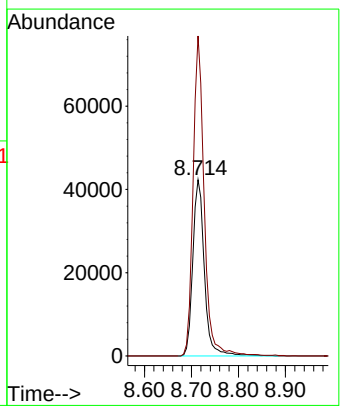


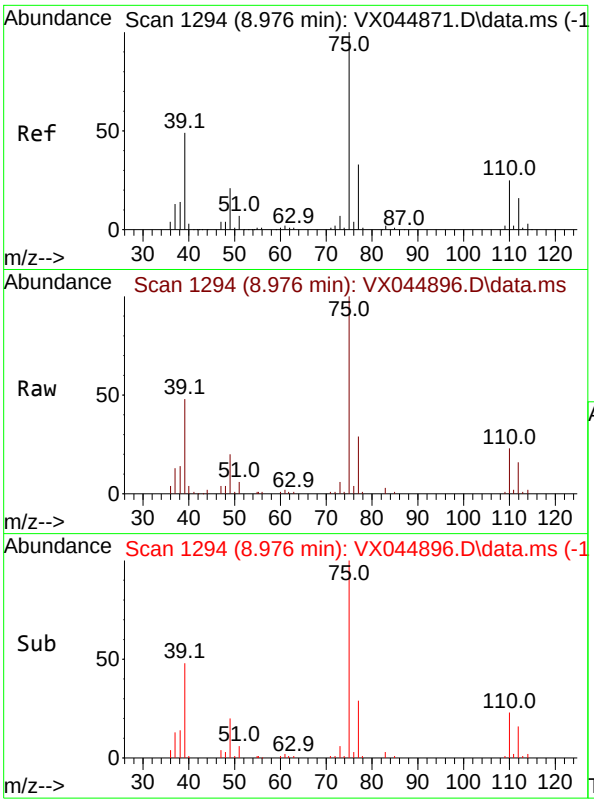


#52
Toluene
Concen: 19.549 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 92 Resp: 72821

Ion	Ratio	Lower	Upper
92	100		
91	174.1	137.4	206.2





#53
t-1,3-Dichloropropene
Concen: 18.577 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 75 Resp: 3928

Ion	Ratio	Lower	Upper
75	100		
77	29.3	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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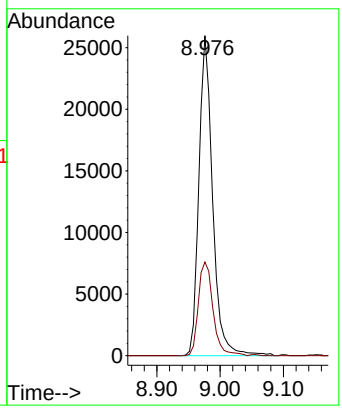
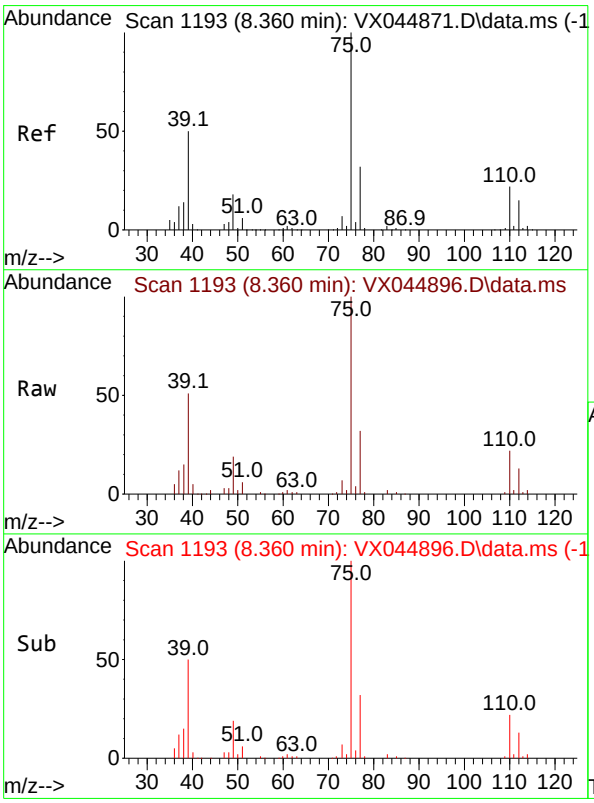
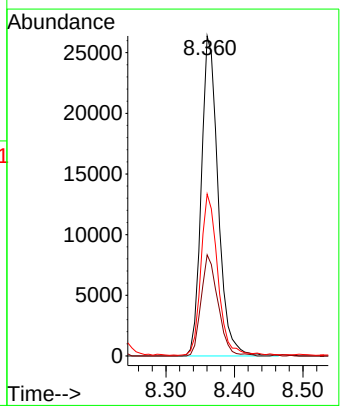


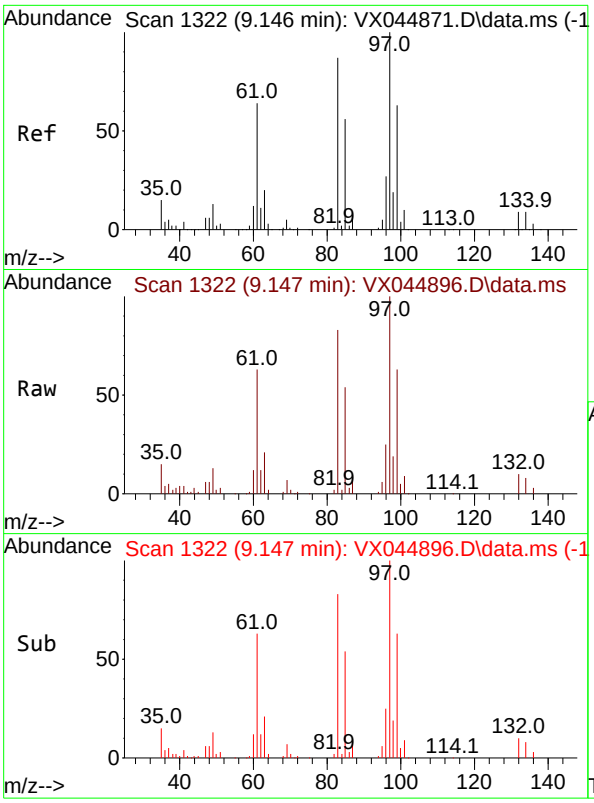


#54
cis-1,3-Dichloropropene
Concen: 19.077 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 75 Resp: 44977

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	50.4	40.0	60.0





#55
1,1,2-Trichloroethane
Concen: 19.816 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 97 Resp: 2837

Ion	Ratio	Lower	Upper
97	100		
83	82.7	69.8	104.6
85	54.4	44.8	67.2
99	62.9	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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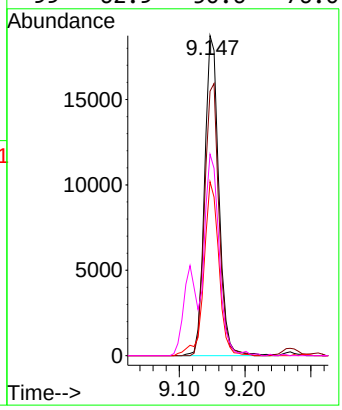
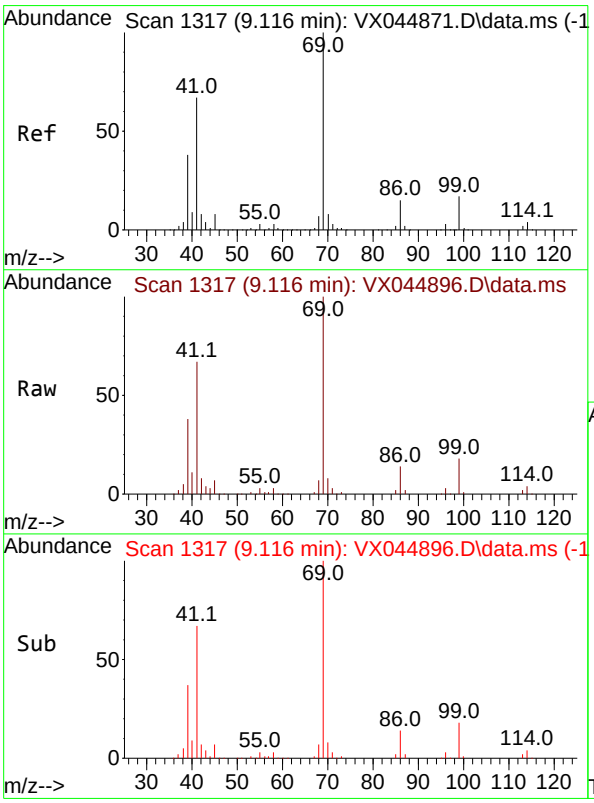
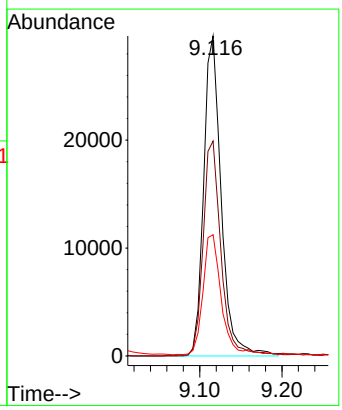


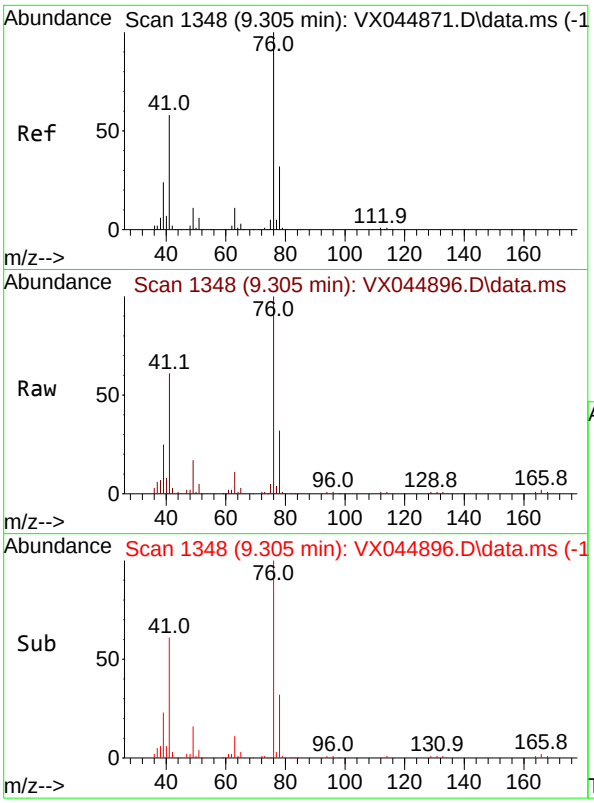


#56
Ethyl methacrylate
Concen: 19.041 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 69 Resp: 44038

Ion	Ratio	Lower	Upper
69	100		
41	68.6	55.2	82.8
39	39.3	30.8	46.2





#57
1,3-Dichloropropane
Concen: 19.446 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 76 Resp: 4872

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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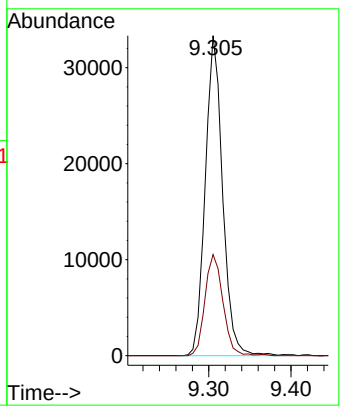
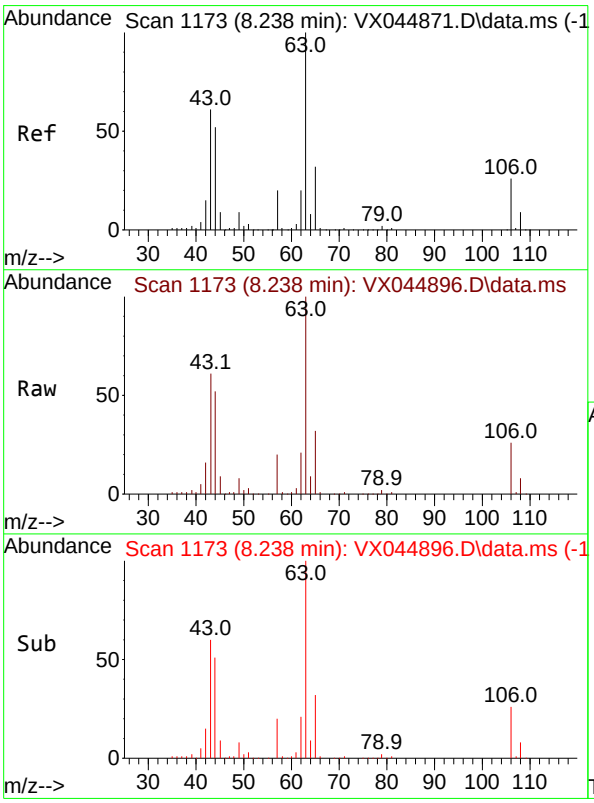
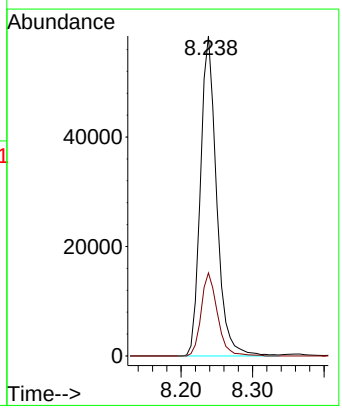


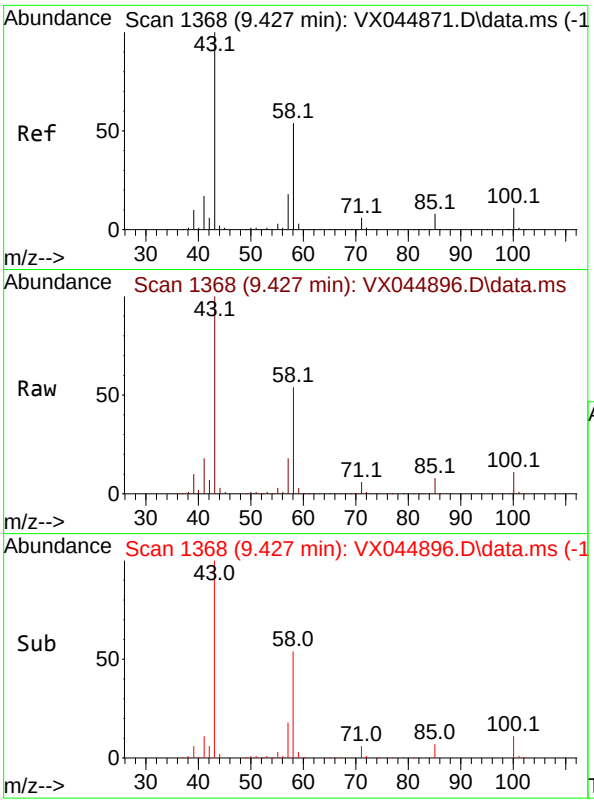


#58
2-Chloroethyl Vinyl ether
Concen: 80.829 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 63 Resp: 91789

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.3	31.9





#59
2-Hexanone
Concen: 101.894 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 16058

Ion	Ratio	Lower	Upper
43	100		
58	53.2	27.5	82.4

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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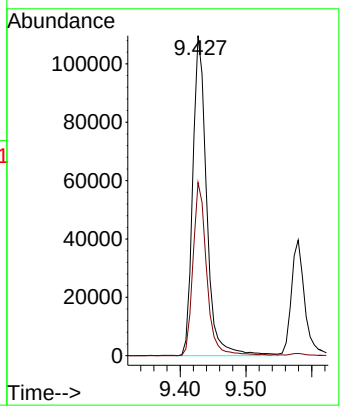
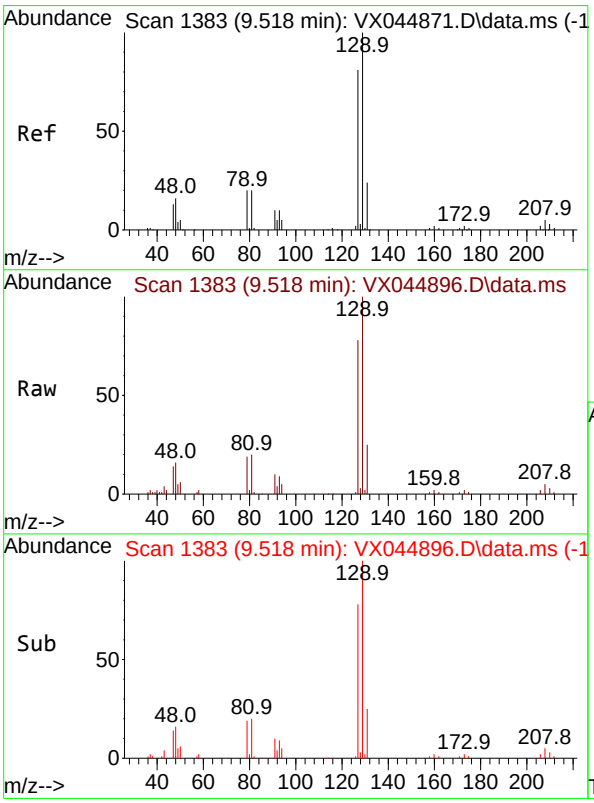
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

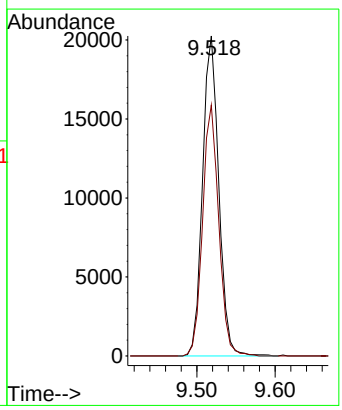


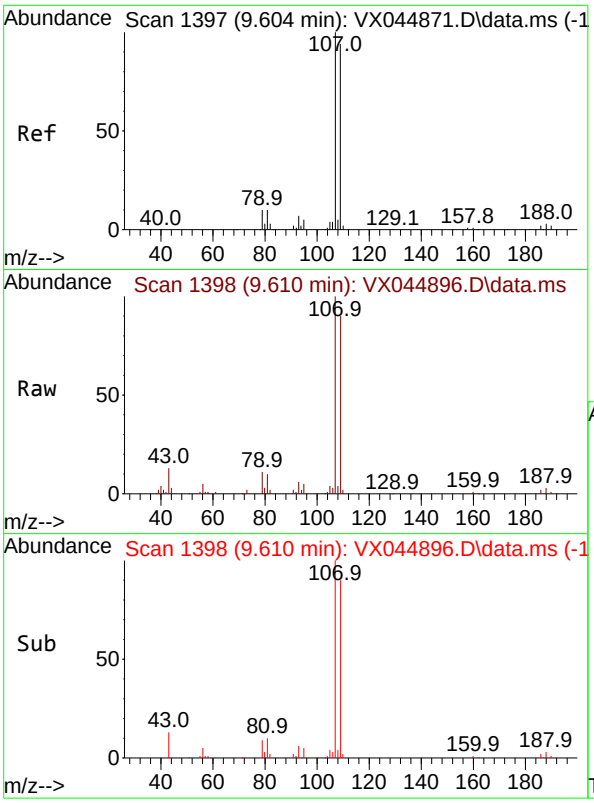


#60
Dibromochloromethane
Concen: 18.964 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:129 Resp: 29042

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3





#61
1,2-Dibromoethane
Concen: 19.199 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:107 Resp: 2786

Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.9	113.9

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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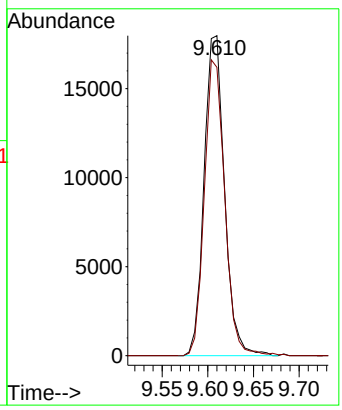
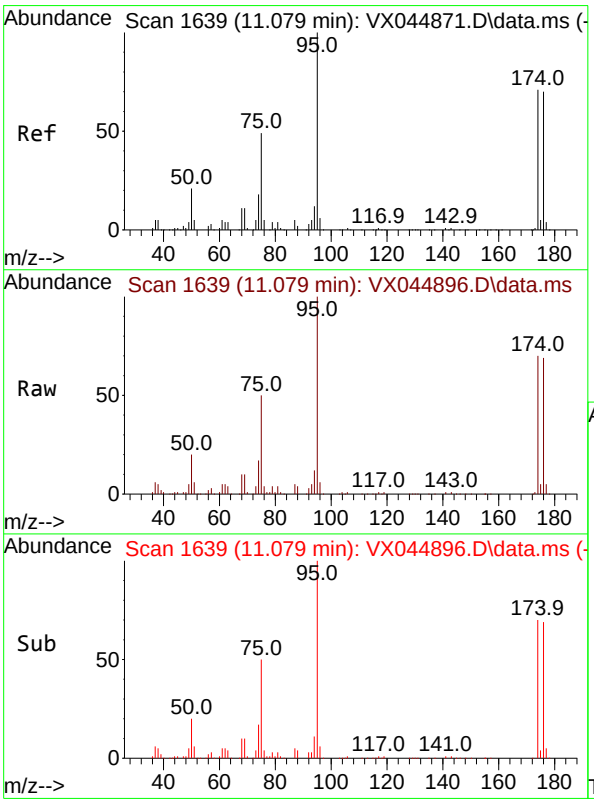
Supervised By :Mahesh Dadoda 02/12/2025

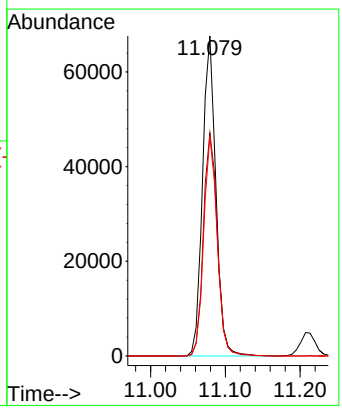


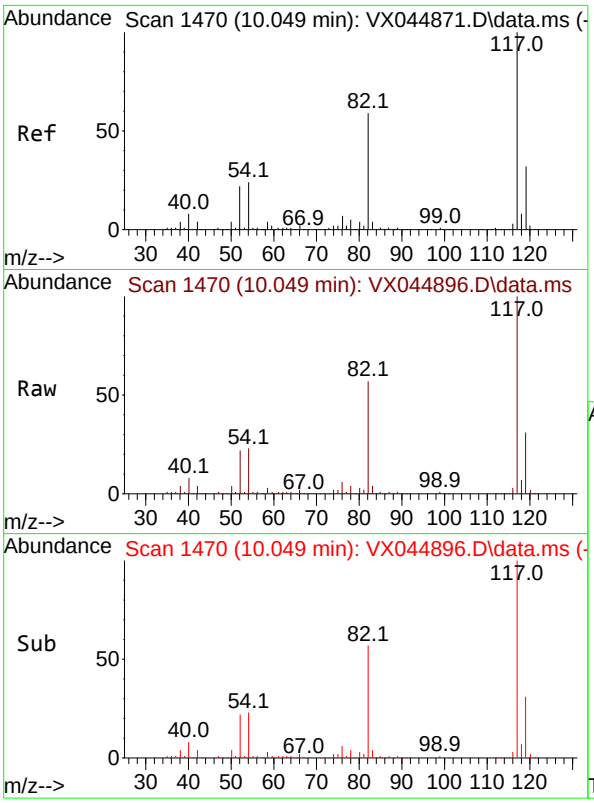


#62
4-Bromofluorobenzene
Concen: 47.362 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 95 Resp: 83827

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	142.6
176	69.4	0.0	141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:117 Resp: 19023

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.5	71.3
119	31.2	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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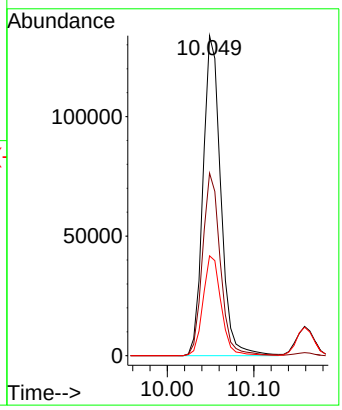
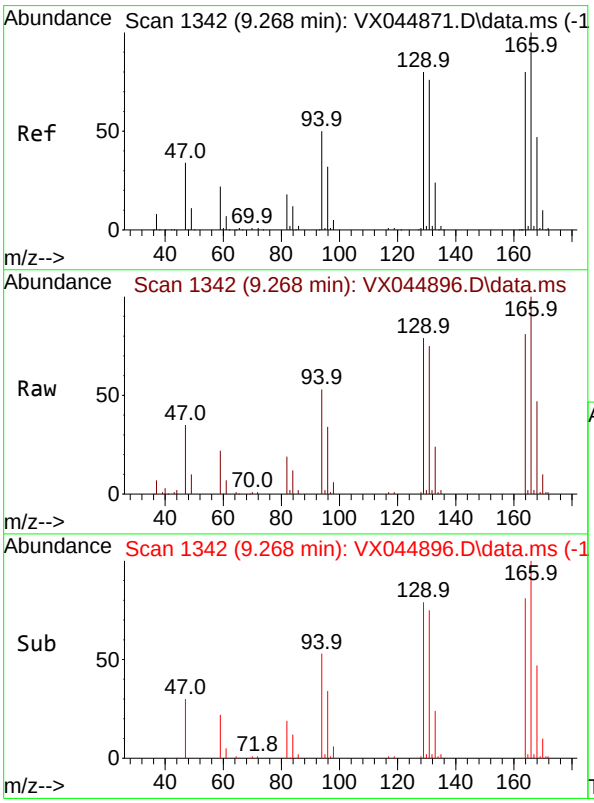
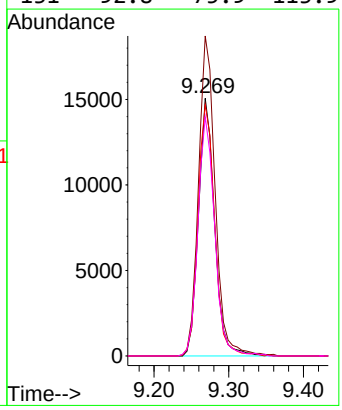


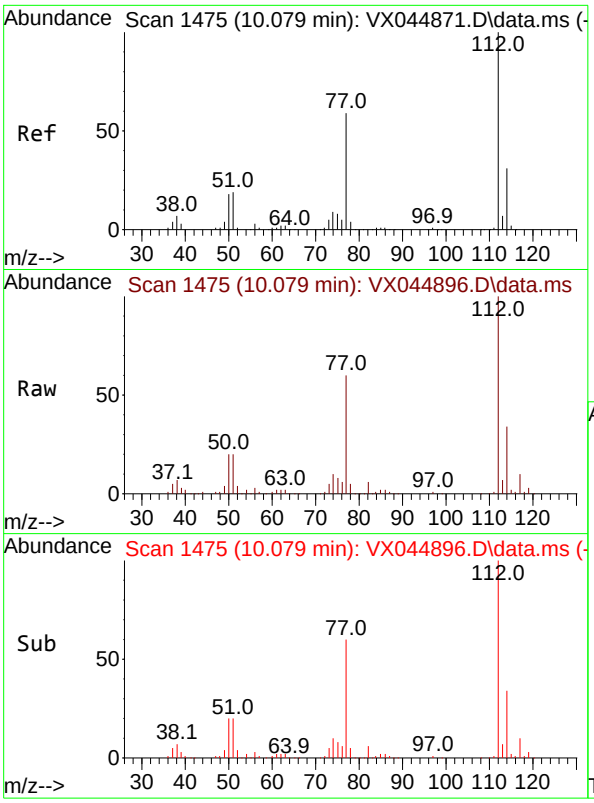


#64
Tetrachloroethene
Concen: 18.808 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:164 Resp: 22565

Ion	Ratio	Lower	Upper
164	100		
166	124.2	100.4	150.6
129	97.5	79.9	119.9
131	92.8	75.9	113.9





#65
Chlorobenzene
Concen: 19.048 ug/l
RT: 10.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:112 Resp: 7782

Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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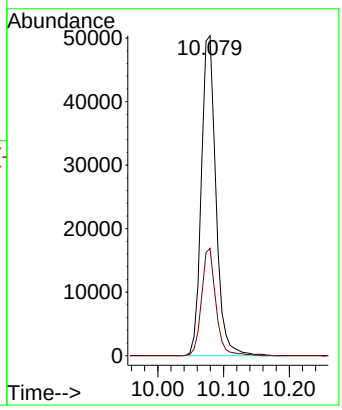
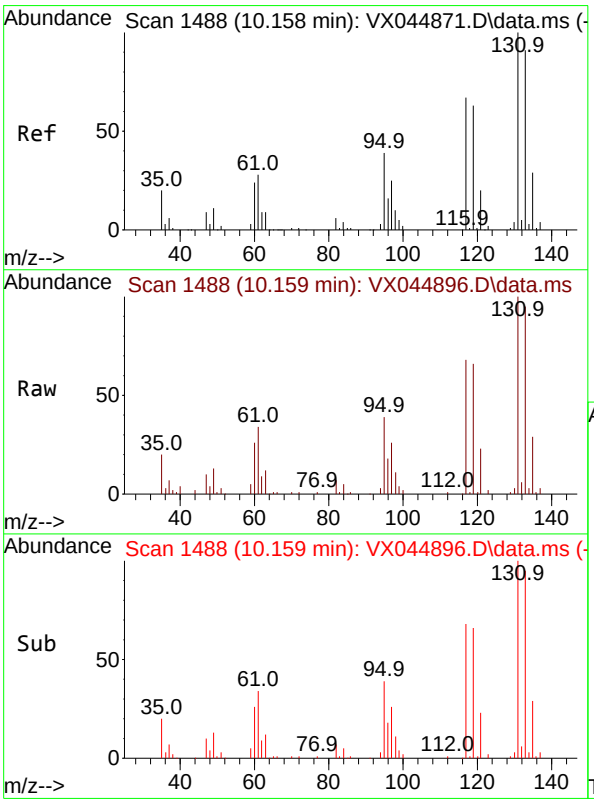
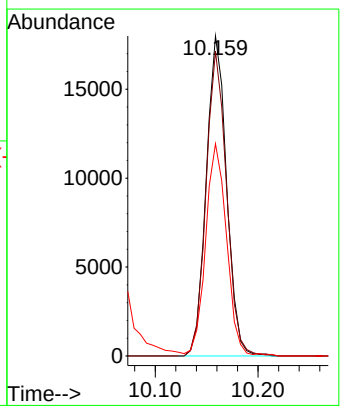


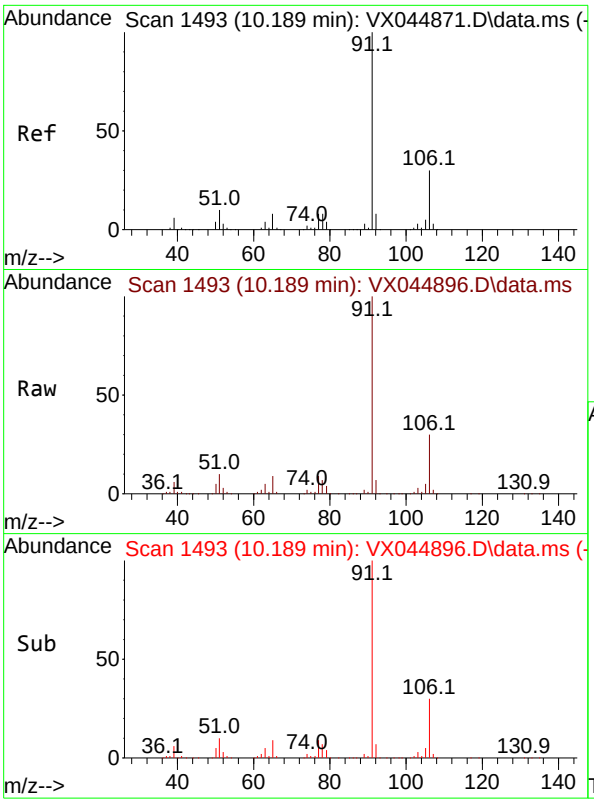


#66
1,1,1,2-Tetrachloroethane
Concen: 18.825 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:131 Resp: 24758

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.1	141.3
119	68.2	33.6	100.6





#67
Ethyl Benzene
Concen: 19.107 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 91 Resp: 13777

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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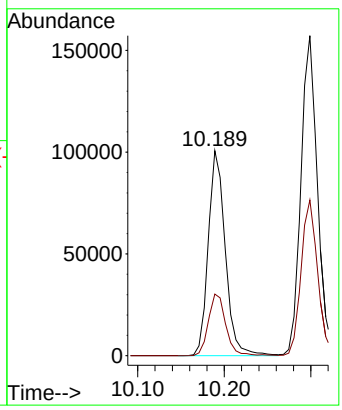
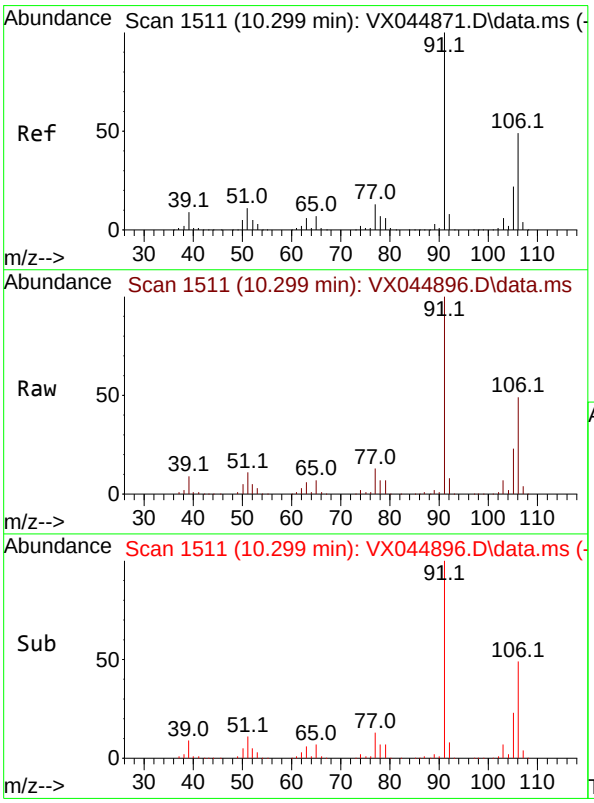
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

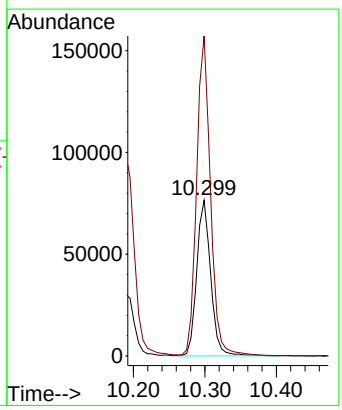


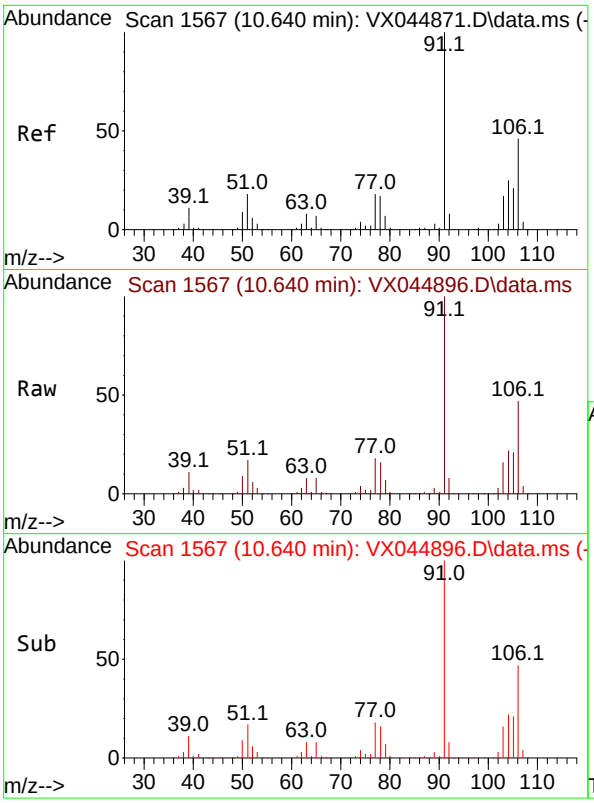


#68
m/p-Xylenes
Concen: 38.857 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:106 Resp: 103355

Ion	Ratio	Lower	Upper
106	100		
91	204.9	164.3	246.5





#69
o-Xylene
Concen: 19.188 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:106 Resp: 5121

Ion	Ratio	Lower	Upper
106	100		
91	214.3	108.5	325.5

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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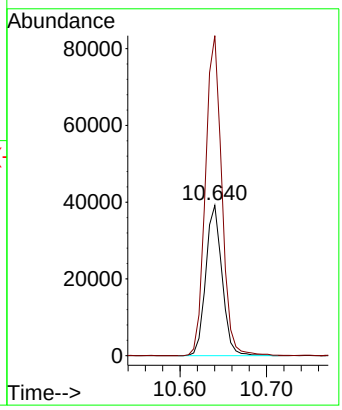
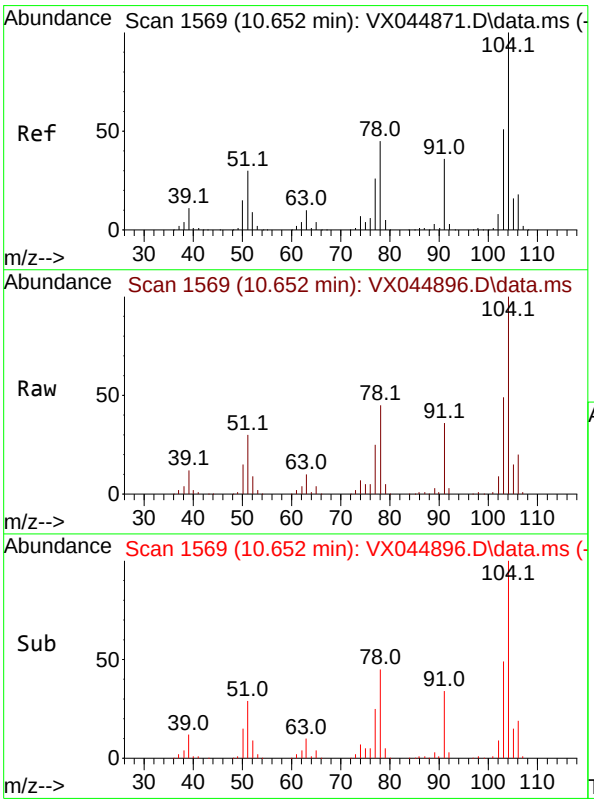
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

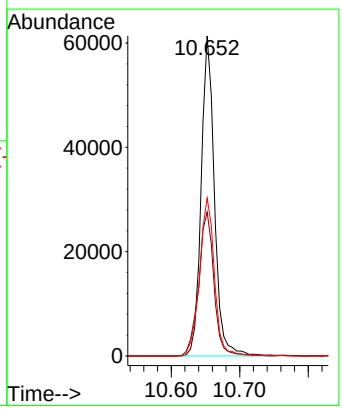


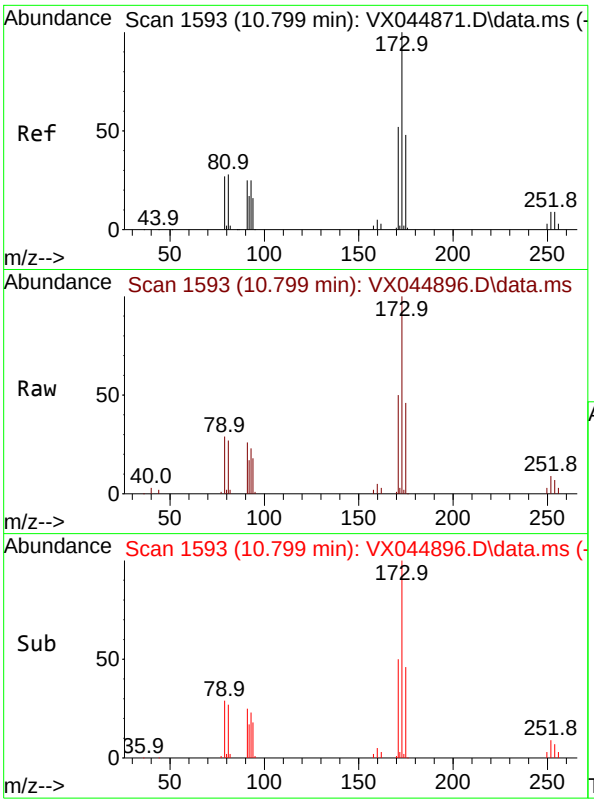


#70
Styrene
Concen: 19.304 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:104 Resp: 83008

Ion	Ratio	Lower	Upper
104	100		
78	51.4	40.5	60.7
103	55.6	43.6	65.4





#71
Bromoform
Concen: 19.176 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:173 Resp: 1882

Ion	Ratio	Lower	Upper
173	100		
175	46.5	24.3	72.8
254	0.0	0.0	0.0

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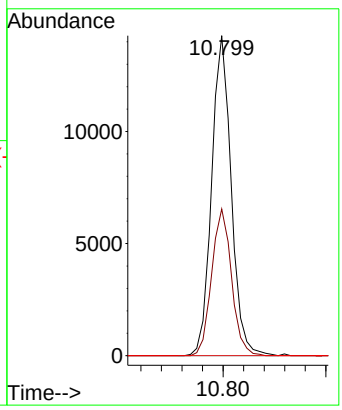
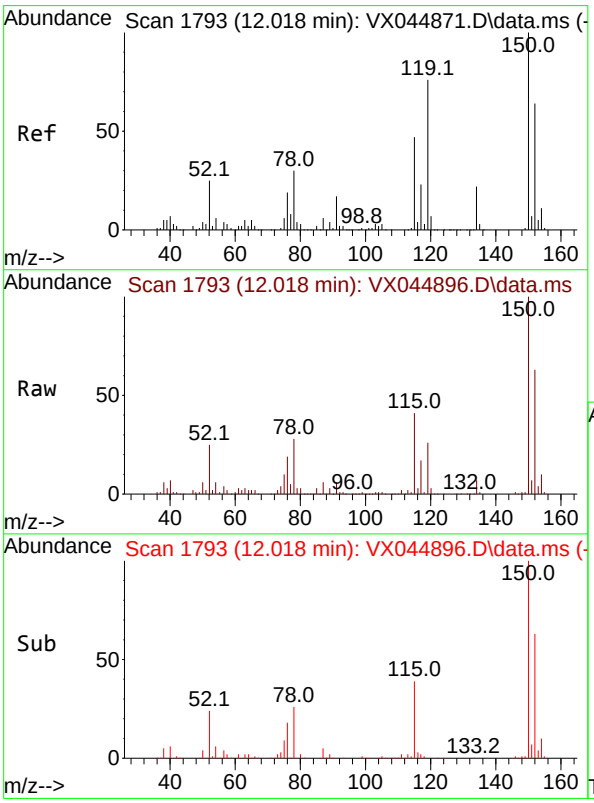
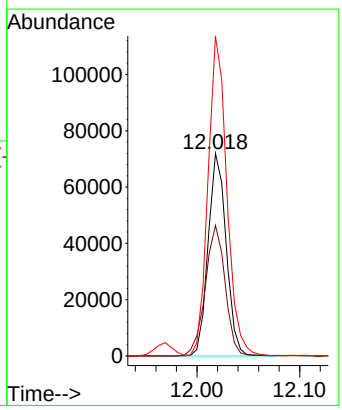


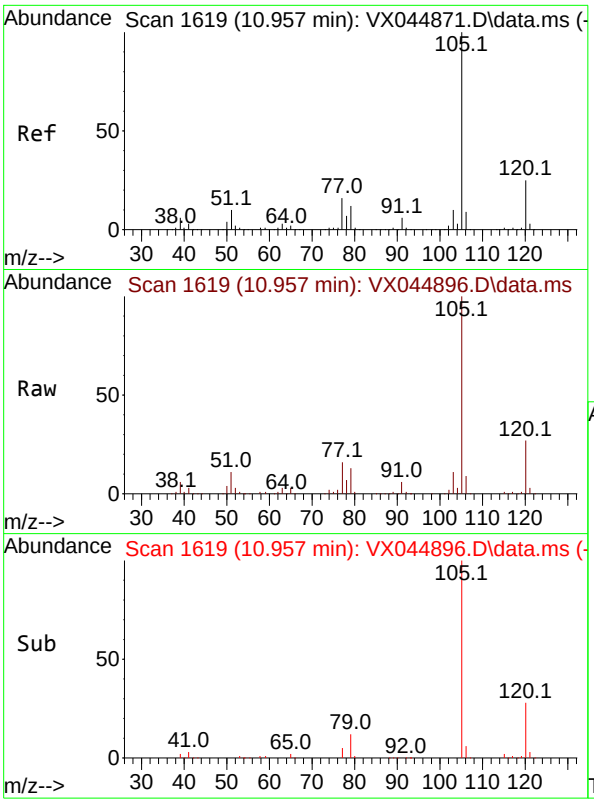


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:152 Resp: 87843

Ion	Ratio	Lower	Upper
152	100		
115	70.9	43.4	130.1
150	163.8	0.0	350.4





#73
Isopropylbenzene
Concen: 18.358 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:105 Resp: 12984

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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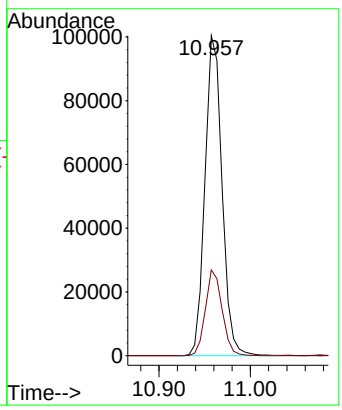
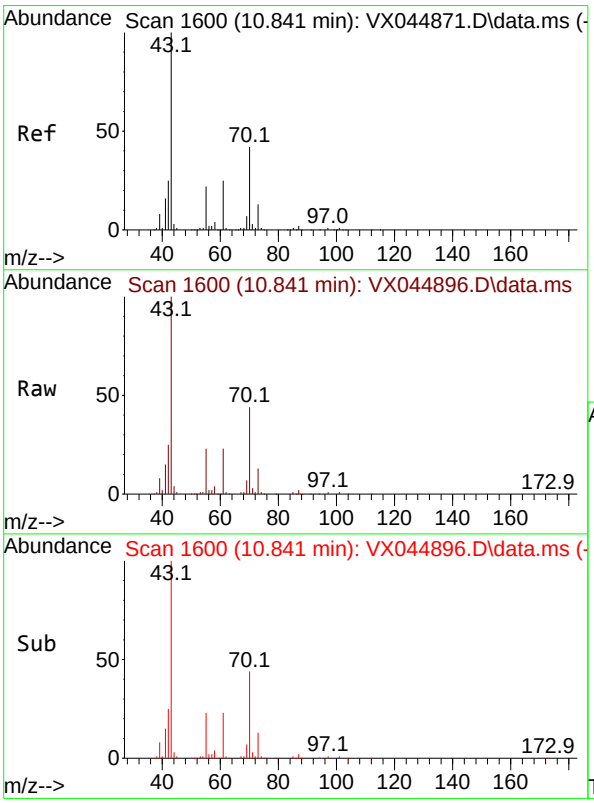
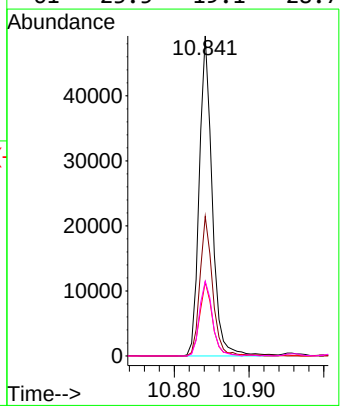


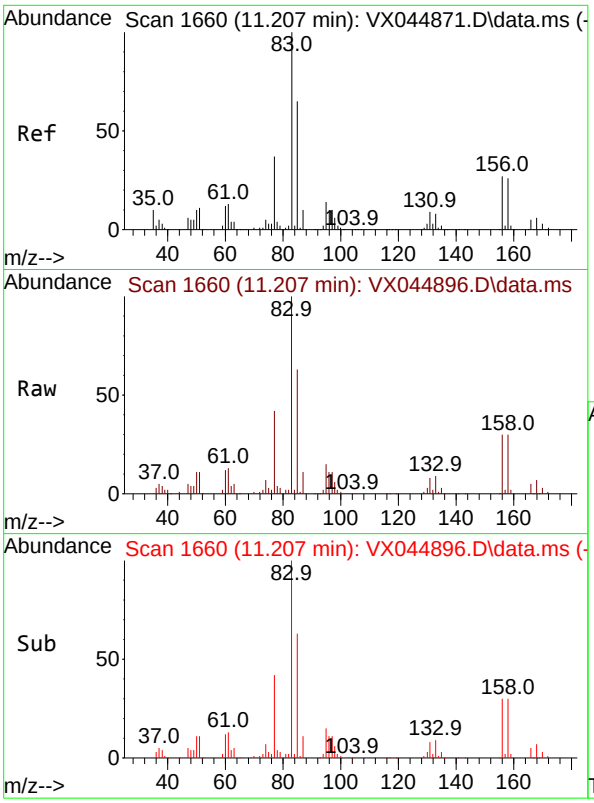


#74
N-amyl acetate
Concen: 18.492 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 59187

Ion	Ratio	Lower	Upper
43	100		
70	42.4	33.7	50.5
55	23.2	18.6	27.8
61	23.5	19.1	28.7





#75
1,1,2,2-Tetrachloroethane
Concen: 18.453 ug/l
RT: 11.207 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 83 Resp: 4485(

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.5
85	63.4	32.3	96.8

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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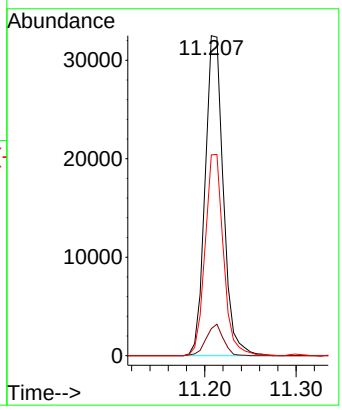
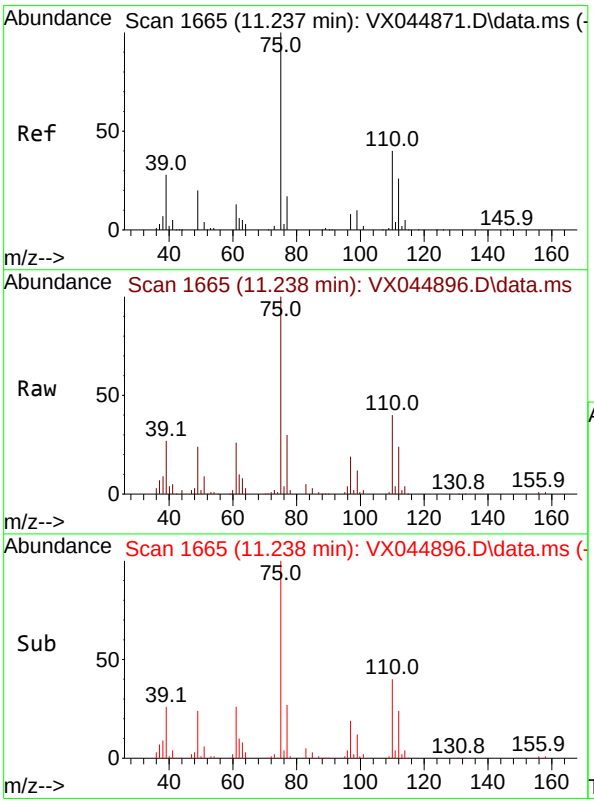
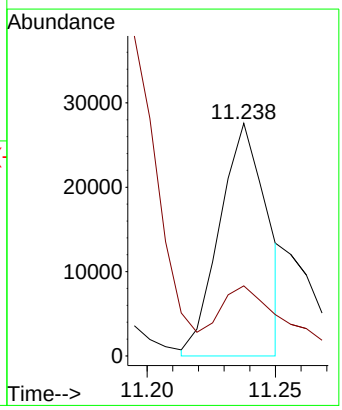


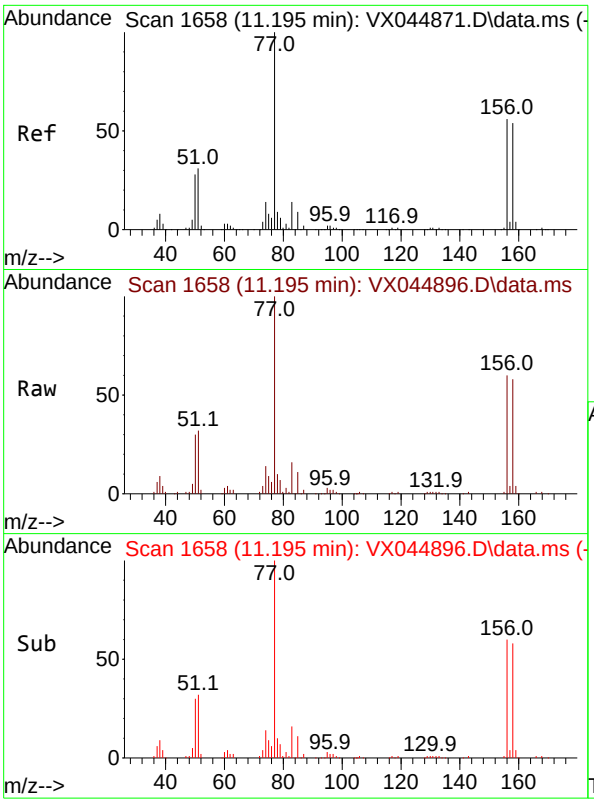


#76
1,2,3-Trichloropropane
Concen: 18.222 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 75 Resp: 35490

Ion	Ratio	Lower	Upper
75	100		
77	42.0	21.9	65.7





#77
Bromobenzene
Concen: 18.745 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:156 Resp: 3005

Ion	Ratio	Lower	Upper
156	100		
77	174.2	88.4	265.3
158	96.9	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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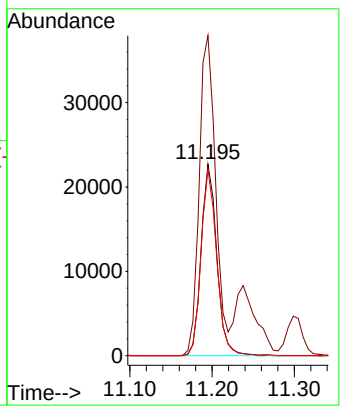
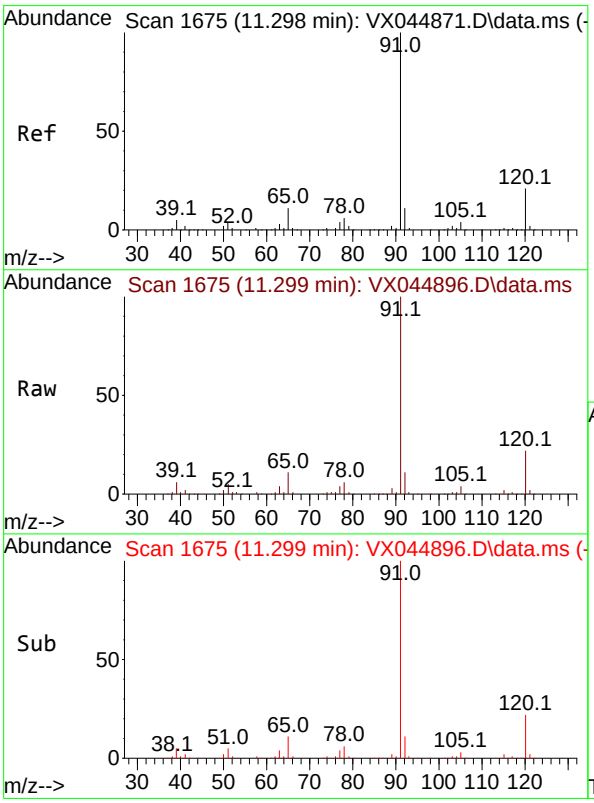
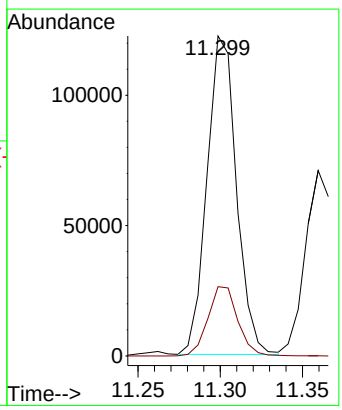


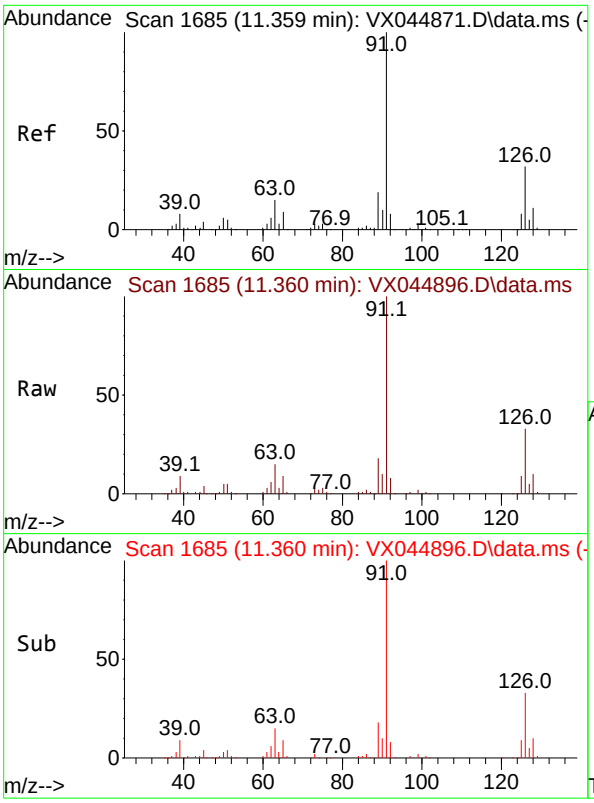


#78
n-propylbenzene
Concen: 18.663 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 91 Resp: 152366

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3





#79
2-Chlorotoluene
Concen: 18.370 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 91 Resp: 9217

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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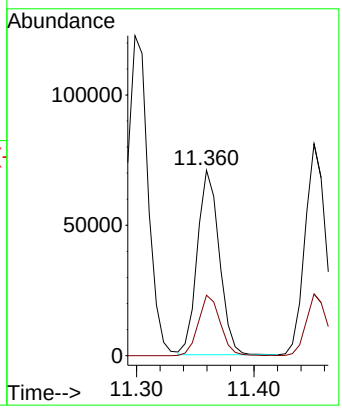
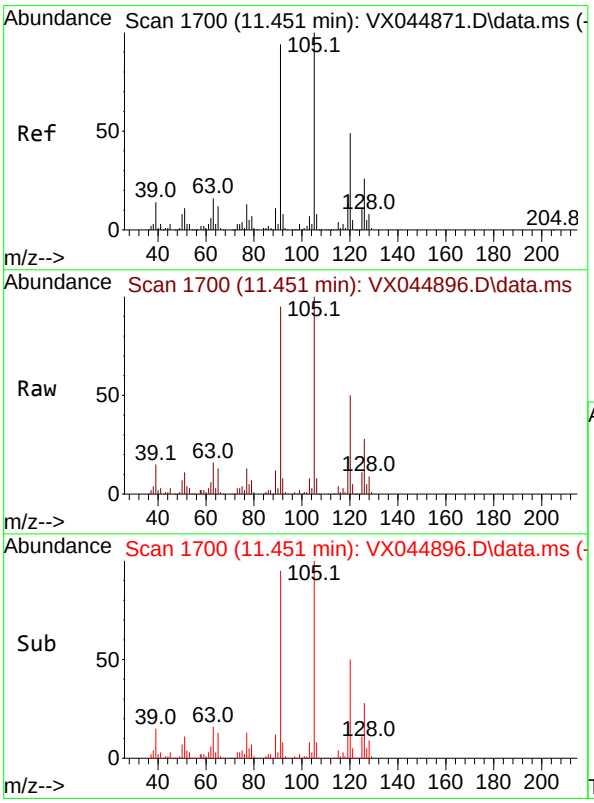
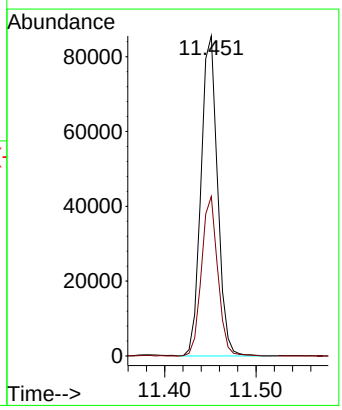


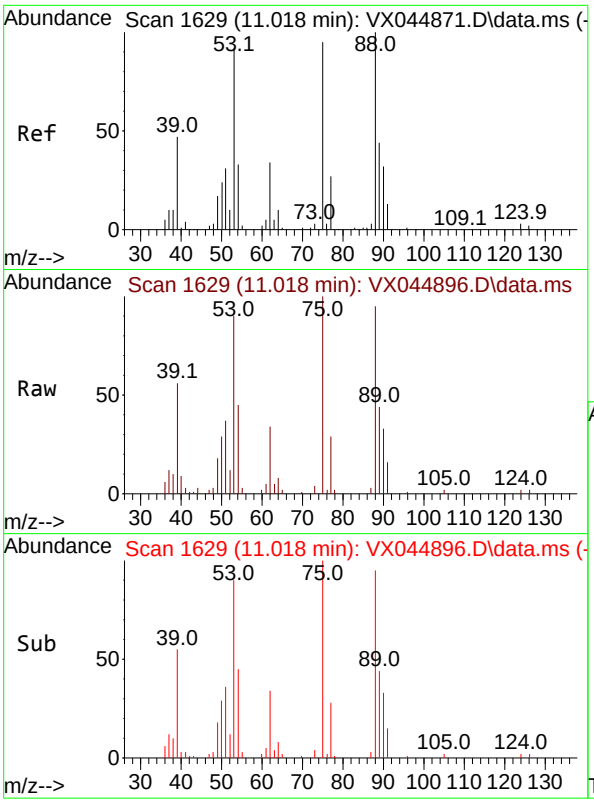


#80
1,3,5-Trimethylbenzene
Concen: 18.734 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:105 Resp: 107531

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 16.324 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 75 Resp: 1235

Ion	Ratio	Lower	Upper
75	100		
53	103.8	78.0	117.0
89	45.4	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
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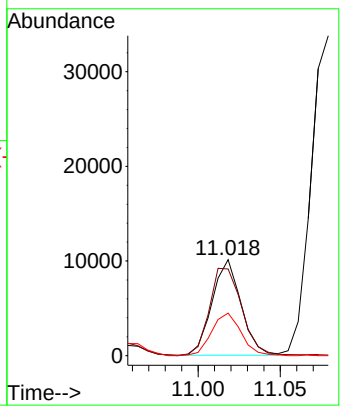
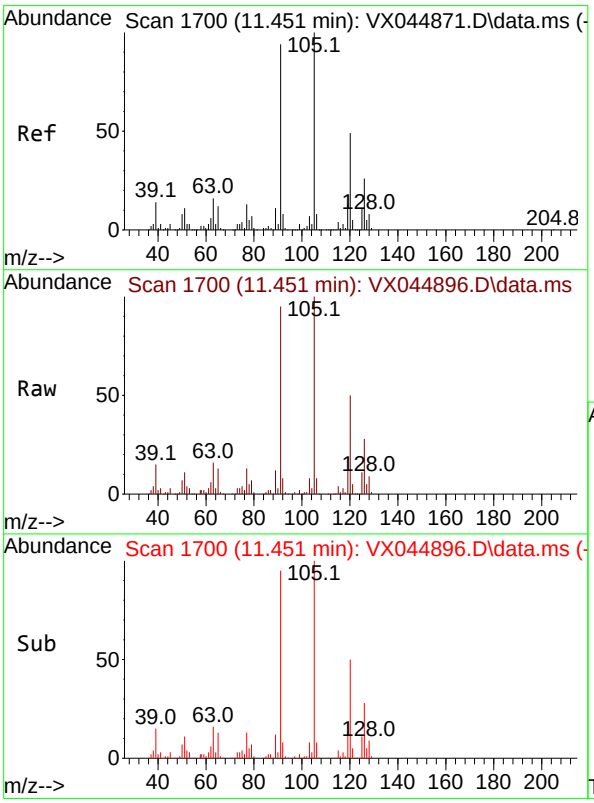
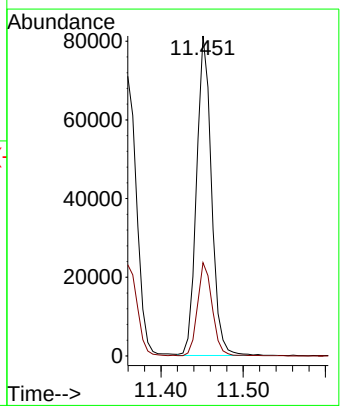


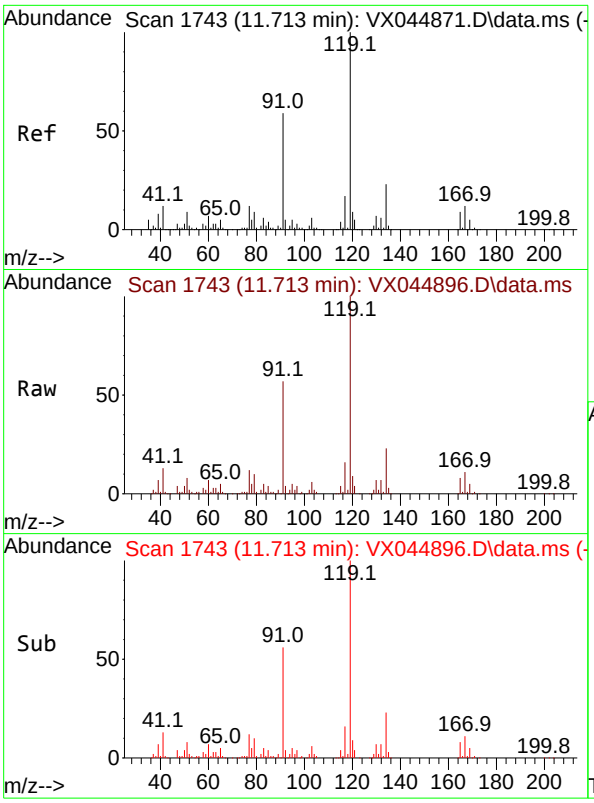


#82
4-Chlorotoluene
Concen: 18.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 91 Resp: 102495

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6





#83
tert-Butylbenzene
Concen: 18.771 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:119 Resp: 10899

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.1	87.4
134	23.3	11.5	34.5

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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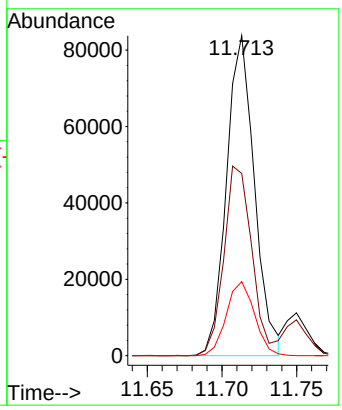
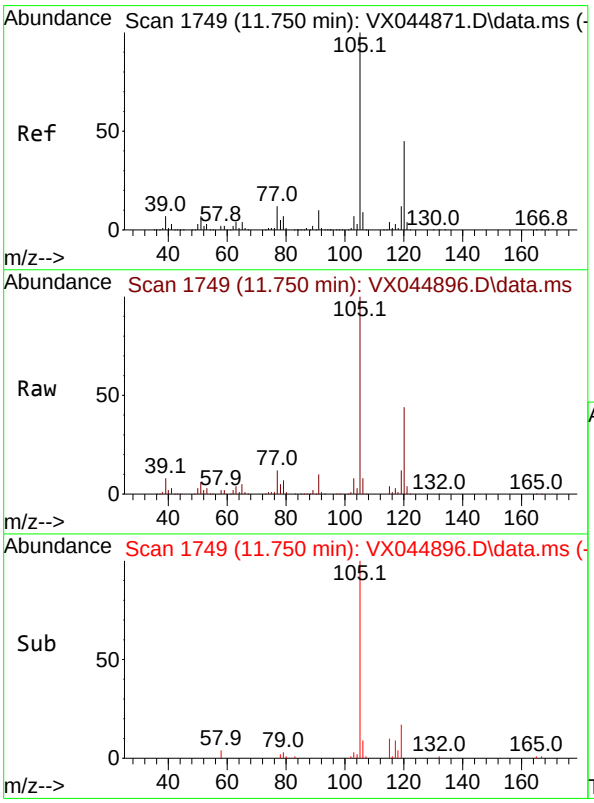
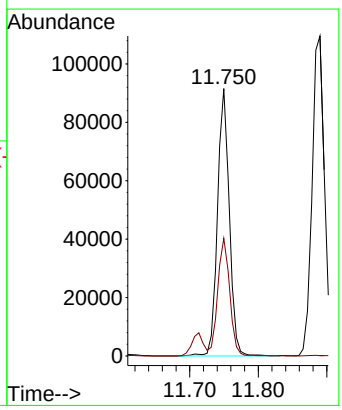


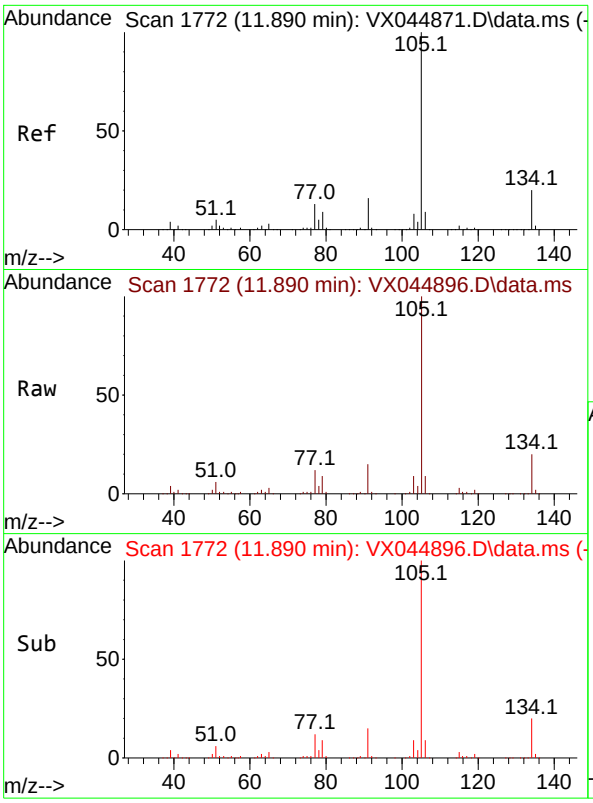


#84
1,2,4-Trimethylbenzene
Concen: 19.237 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:105 Resp: 108980

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.0





#85
sec-Butylbenzene
Concen: 19.157 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:105 Resp: 13774

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.3

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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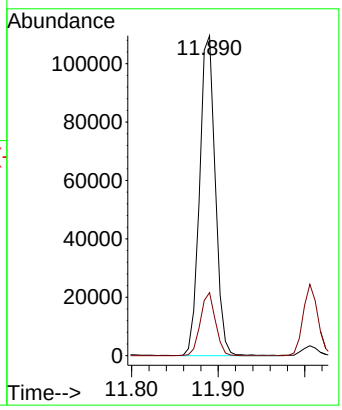
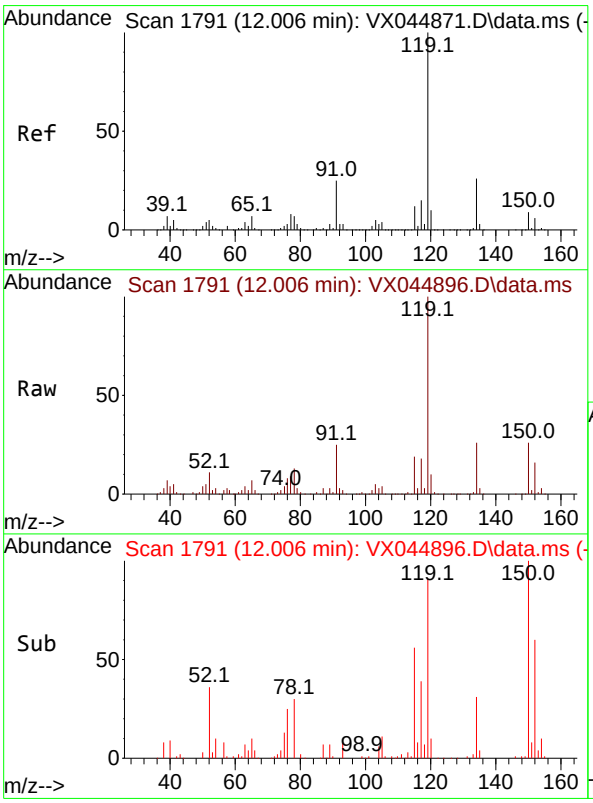
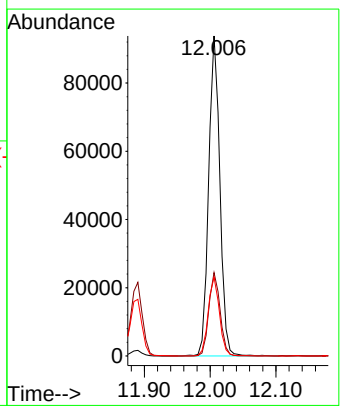


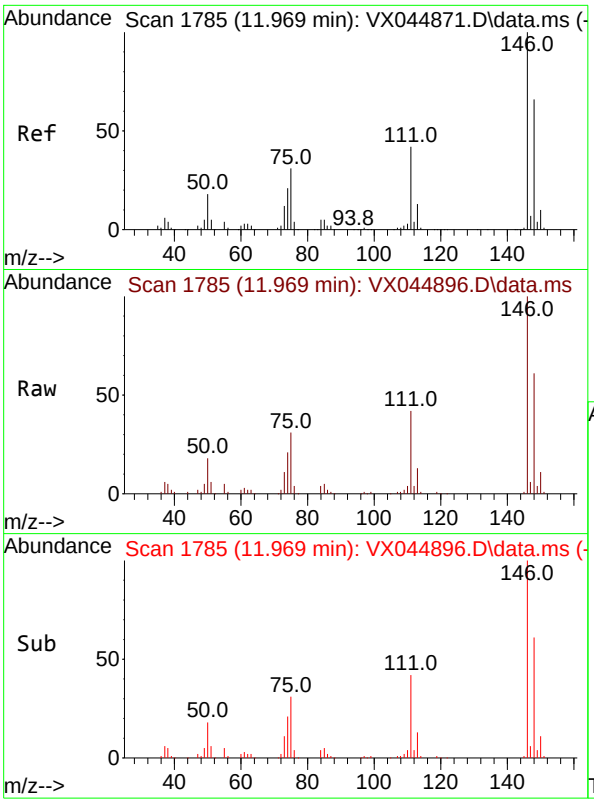


#86
p-Isopropyltoluene
Concen: 19.191 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:119 Resp: 110966

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	24.8	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 19.196 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:146 Resp: 5660

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	61.1	32.5	97.5

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

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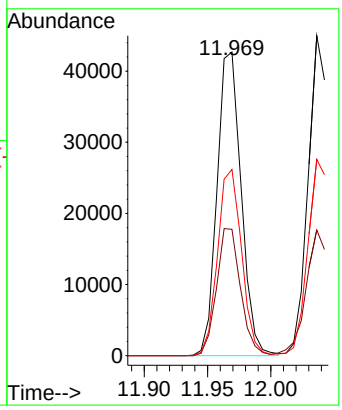
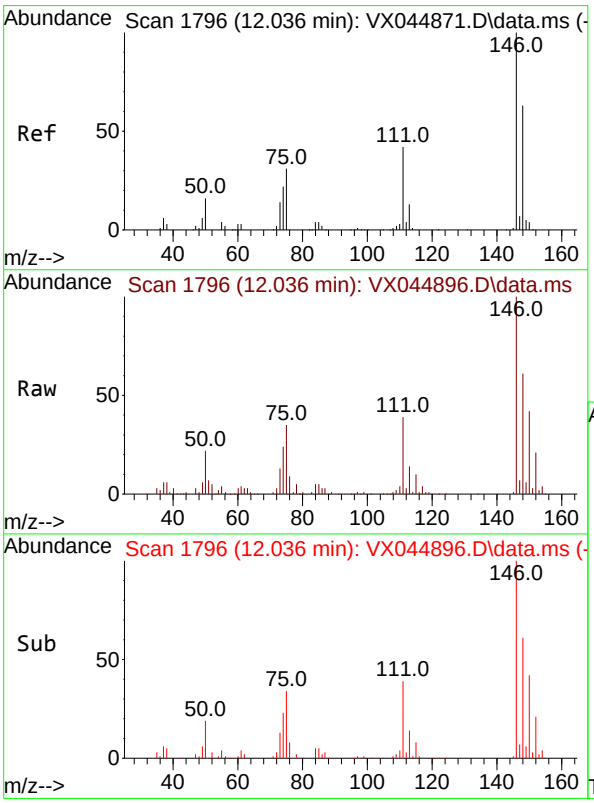
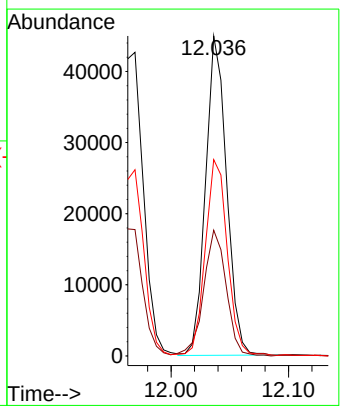


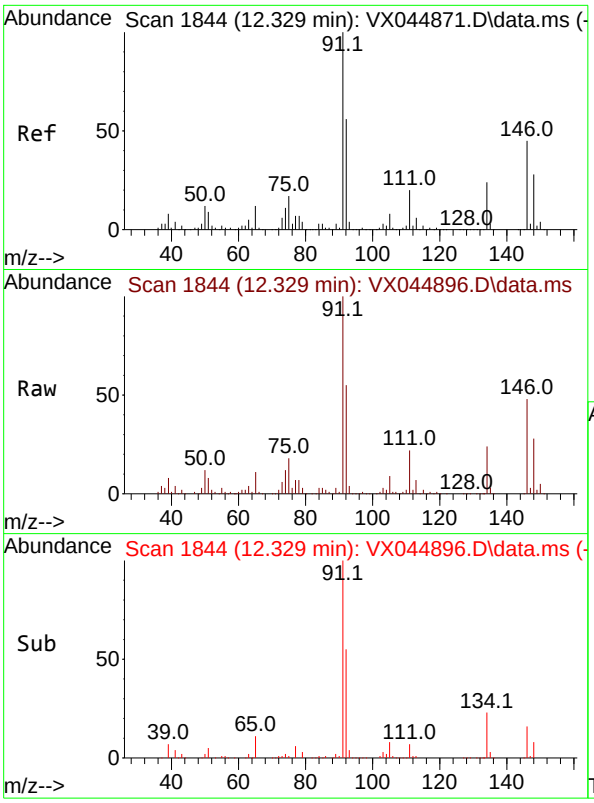


#88
1,4-Dichlorobenzene
Concen: 18.663 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:146 Resp: 55645

Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.4	61.3
148	64.4	32.0	96.0





#89
n-Butylbenzene
Concen: 19.167 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

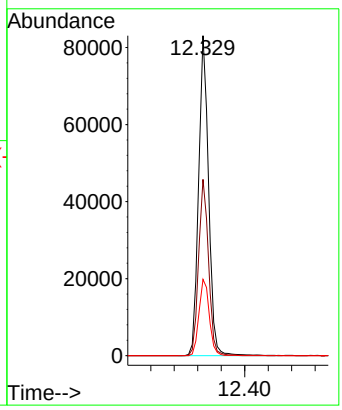
Tgt Ion: 91 Resp: 9804

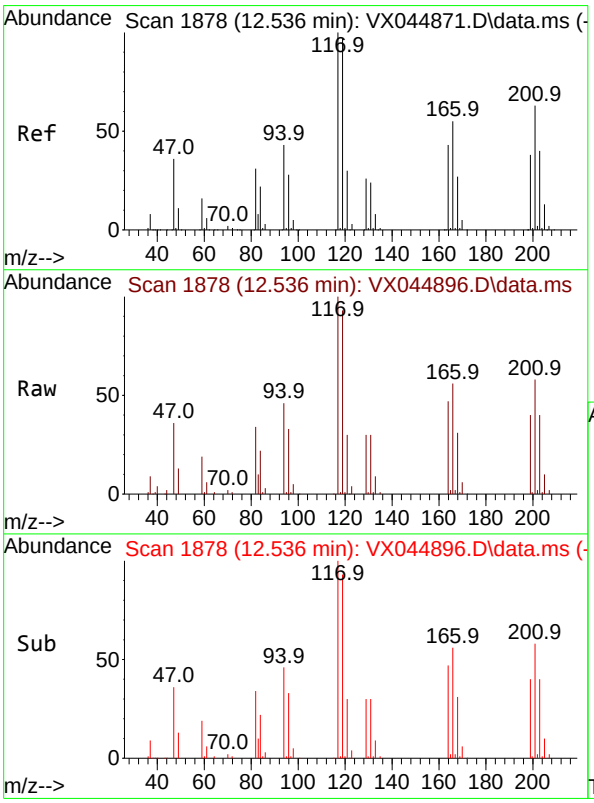
Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.6
134	24.8	12.1	36.3

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

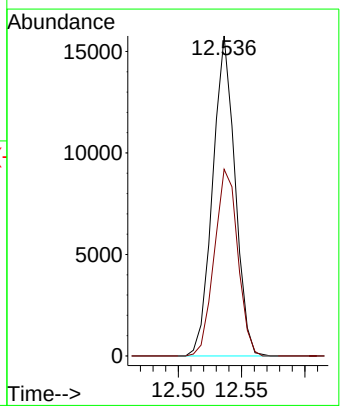


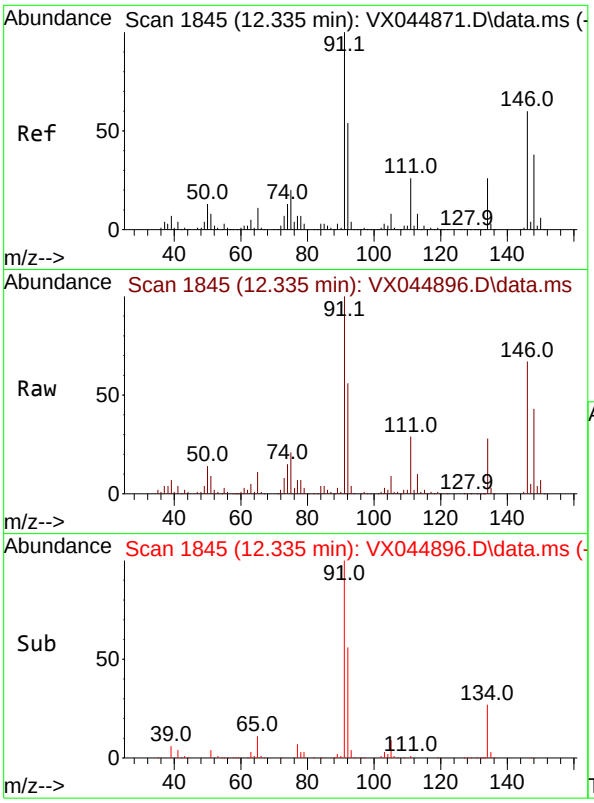


#90
Hexachloroethane
Concen: 17.833 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:117 Resp: 19308

Ion	Ratio	Lower	Upper
117	100		
201	61.4	32.5	97.5





#91
1,2-Dichlorobenzene
Concen: 19.369 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

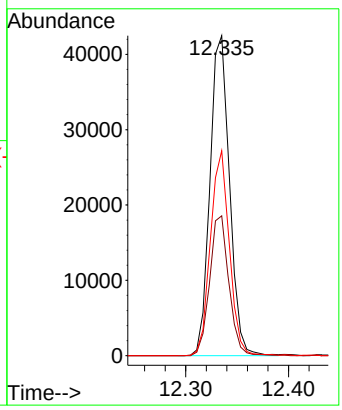
Tgt Ion:146 Resp: 5613

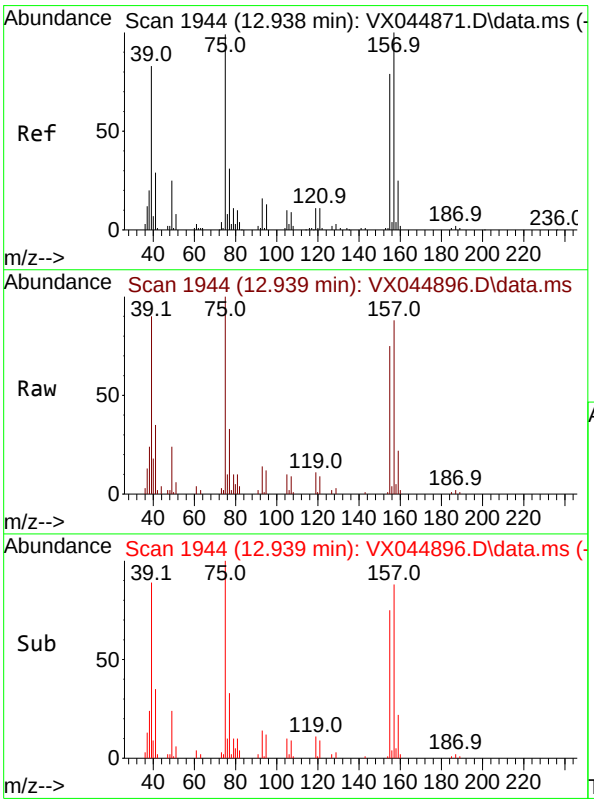
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.4
148	62.3	31.9	95.9

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

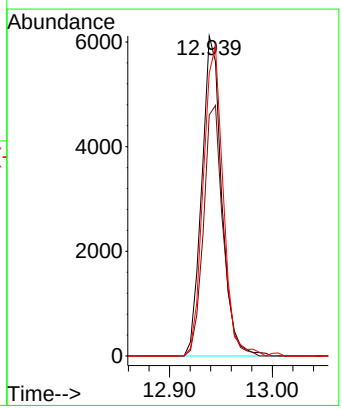


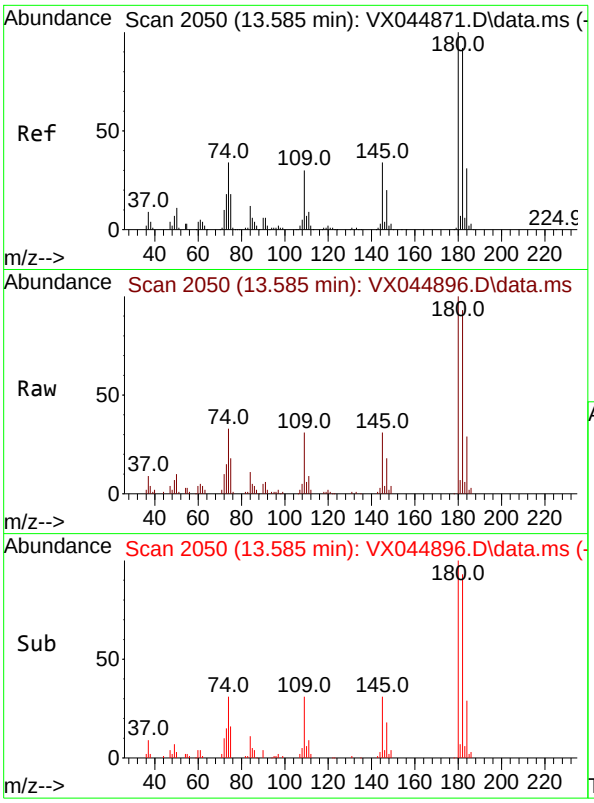


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.540 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 75 Resp: 8224

Ion	Ratio	Lower	Upper
75	100		
155	77.1	40.5	121.4
157	97.0	51.4	154.3





#93
1,2,4-Trichlorobenzene
Concen: 18.475 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

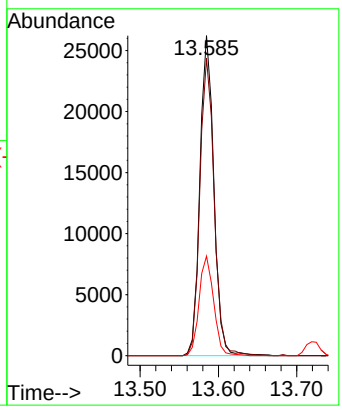
Tgt Ion:180 Resp: 3240(

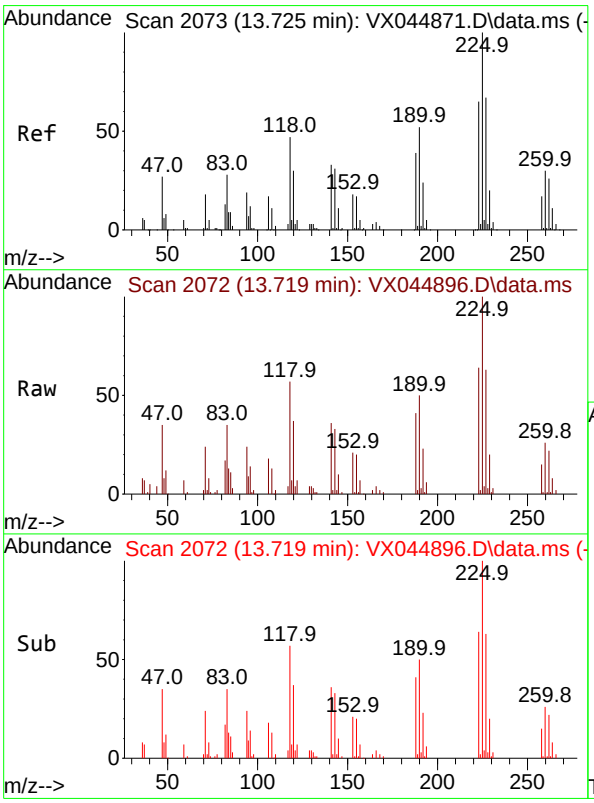
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.6	142.8
145	32.5	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

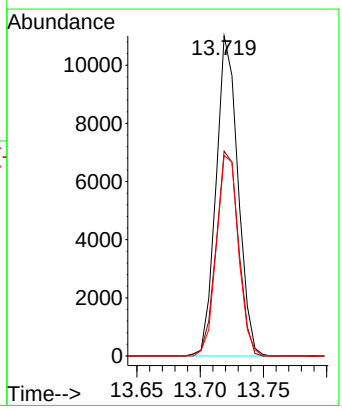


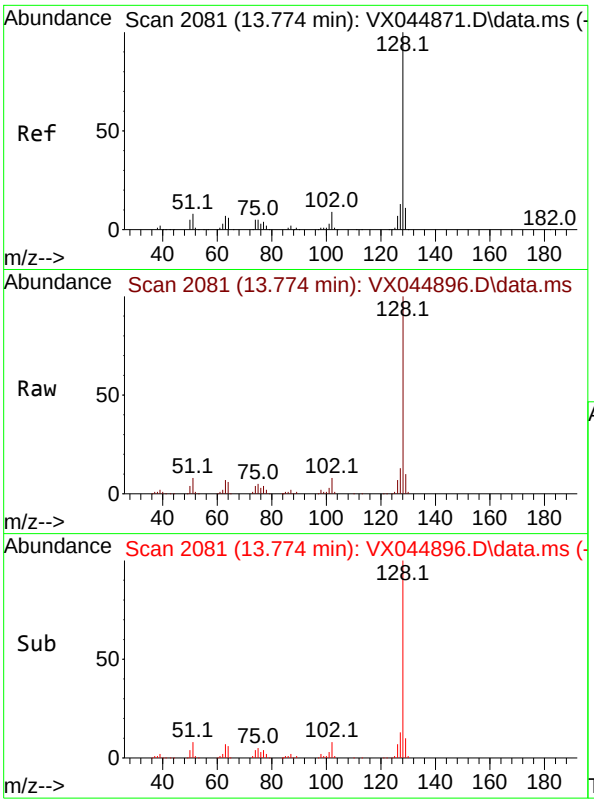


#94
Hexachlorobutadiene
Concen: 19.011 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:225 Resp: 13235

Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.4	94.2
227	63.0	32.3	96.8





#95
Naphthalene
Concen: 18.432 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

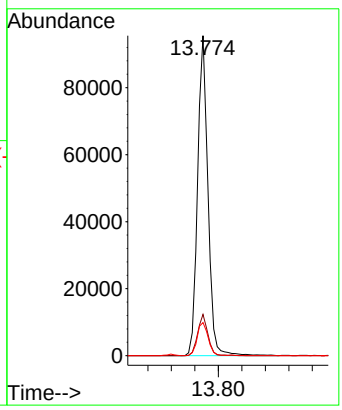
Tgt Ion:128 Resp: 11685

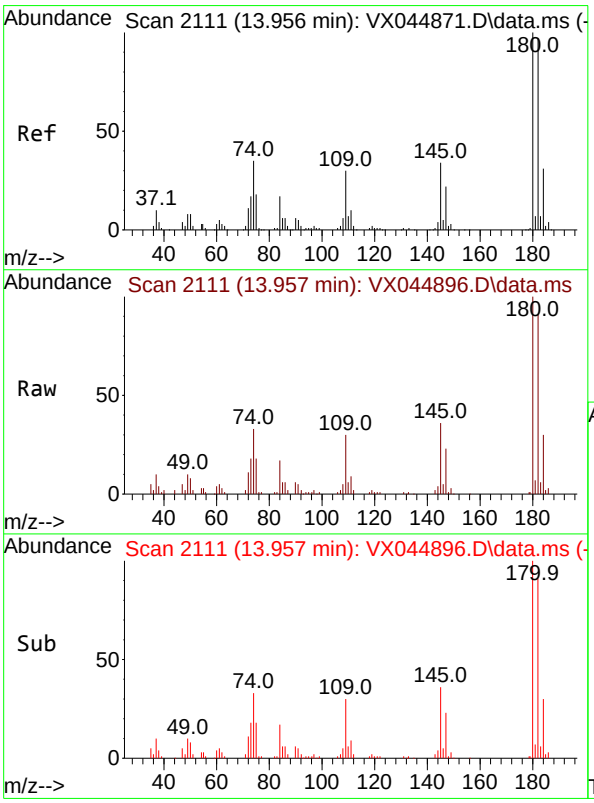
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.0	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

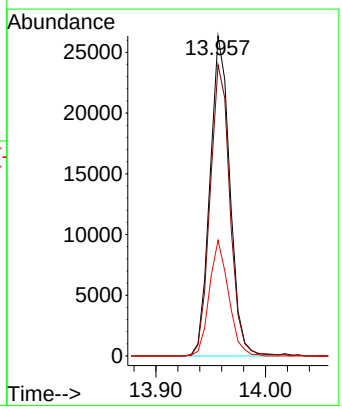




#96
1,2,3-Trichlorobenzene
Concen: 18.792 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:180 Resp: 33208

Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.9	143.6
145	34.9	17.1	51.3



Raw Data: **VX044897.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0211WBSD01	SDG No.:	Q1283
Lab Sample ID:	VX0211WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044897.D	1		02/11/25 11:48	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	18.7		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.2		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.9		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.26	0.75	1.00	ug/L
67-64-1	Acetone	100		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.6		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.7		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	100		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.7		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.8		0.19	0.50	1.00	ug/L
71-43-2	Benzene	20.2		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.2		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.9		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.5		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	2.50	5.00	ug/L

Raw Data: **VX044897.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0211WBSD01	SDG No.:	Q1283
Lab Sample ID:	VX0211WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044897.D	1		02/11/25 11:48	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	21.0		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.3		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.5		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	41.7		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.5		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.9		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.4		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.5		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.8		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.4		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.0		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	116000	5.538				
540-36-3	1,4-Difluorobenzene	211000	6.757				
3114-55-4	Chlorobenzene-d5	186000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	83600	12.018				

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

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

Quantitation Report (QT Reviewed)

Sample Results: **VX044897.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044897.D
Acq On : 11 Feb 2025 11:48
Operator : JC/MD
Sample : VX0211WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 12 02:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
APPROVED
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	116406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	211404	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	186335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84156	49.388	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.780%			
35) Dibromofluoromethane	5.379	113	67081	48.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.600%			
50) Toluene-d8	8.641	98	254774	49.019	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.040%			
62) 4-Bromofluorobenzene	11.079	95	86989	49.646	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	31601	19.356	ug/l	98
3) Chloromethane	1.301	50	37119	18.680	ug/l	97
4) Vinyl Chloride	1.374	62	36957	19.198	ug/l	96
5) Bromomethane	1.593	94	11587	20.114	ug/l	99
6) Chloroethane	1.666	64	15397	18.945	ug/l	97
7) Trichlorofluoromethane	1.874	101	47412	19.475	ug/l	99
8) Diethyl Ether	2.130	74	18158	20.567	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	29801	20.261	ug/l	99
10) Methyl Iodide	2.441	142	38410	20.149	ug/l	99
11) Tert butyl alcohol	2.983	59	32829	103.851	ug/l	98
12) 1,1-Dichloroethene	2.313	96	29002	19.330	ug/l	98
13) Acrolein	2.233	56	31603	96.897	ug/l	98
14) Allyl chloride	2.654	41	51780	19.096	ug/l	96
15) Acrylonitrile	3.062	53	86862	102.915	ug/l	99
16) Acetone	2.380	43	68752	100.366	ug/l	98
17) Carbon Disulfide	2.502	76	76655	18.631	ug/l	97
18) Methyl Acetate	2.703	43	44373	20.527	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	96651	20.246	ug/l	99
20) Methylene Chloride	2.782	84	32877	19.594	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	29055	19.676	ug/l	93
22) Diisopropyl ether	3.757	45	105816	20.627	ug/l	93
23) Vinyl Acetate	3.715	43	433511	103.656	ug/l	97
24) 1,1-Dichloroethane	3.599	63	56359	19.635	ug/l	97
25) 2-Butanone	4.556	43	115645	103.966	ug/l	97
26) 2,2-Dichloropropane	4.465	77	44593	19.590	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	35548	20.041	ug/l	98
28) Bromochloromethane	4.891	49	25541	18.515	ug/l	98
29) Tetrahydrofuran	5.001	42	75125	101.711	ug/l	98
30) Chloroform	5.086	83	54727	19.660	ug/l	97
31) Cyclohexane	5.458	56	52843	19.969	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	46336	19.624	ug/l	98
36) 1,1-Dichloropropene	5.690	75	38126	19.226	ug/l	100
37) Ethyl Acetate	4.708	43	42191	19.128	ug/l	98
38) Carbon Tetrachloride	5.666	117	38835	19.985	ug/l	96
39) Methylcyclohexane	7.373	83	53434	20.842	ug/l	97
40) Benzene	6.031	78	125170	20.215	ug/l	99

Sample Results: **VX044897.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044897.D
Acq On : 11 Feb 2025 11:48
Operator : JC/MD
Sample : VX0211WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 12 02:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
APPROVED
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	24902	21.092 ug/l	98
42) 1,2-Dichloroethane	6.080	62	41830	21.196 ug/l	99
43) Isopropyl Acetate	6.336	43	73633	20.673 ug/l	99
44) Trichloroethene	7.117	130	27907	19.717 ug/l	96
45) 1,2-Dichloropropane	7.428	63	31362	20.358 ug/l	97
46) Dibromomethane	7.580	93	21730	20.340 ug/l	97
47) Bromodichloromethane	7.818	83	42998	20.786 ug/l	98
48) Methyl methacrylate	7.690	41	34888	20.774 ug/l	98
49) 1,4-Dioxane	7.665	88	14679	407.387 ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	233883	108.010 ug/l	97
52) Toluene	8.714	92	76922	20.859 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	41931	20.031 ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	47877	20.513 ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	30181	21.290 ug/l	95
56) Ethyl methacrylate	9.116	69	47561	20.773 ug/l	99
57) 1,3-Dichloropropane	9.305	76	51672	20.832 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	108500	96.512 ug/l	99
59) 2-Hexanone	9.427	43	168110	107.751 ug/l	99
60) Dibromochloromethane	9.519	129	31801	20.976 ug/l	99
61) 1,2-Dibromoethane	9.604	107	30172	20.999 ug/l	98
64) Tetrachloroethene	9.269	164	23477	19.978 ug/l	97
65) Chlorobenzene	10.073	112	81300	20.314 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	25959	20.152 ug/l	97
67) Ethyl Benzene	10.189	91	144888	20.515 ug/l	100
68) m/p-Xylenes	10.299	106	108740	41.738 ug/l	99
69) o-Xylene	10.640	106	53496	20.464 ug/l	98
70) Styrene	10.653	104	88009	20.896 ug/l	99
71) Bromoform	10.799	173	19571	20.357 ug/l #	100
73) Isopropylbenzene	10.957	105	137984	20.488 ug/l	99
74) N-amyl acetate	10.842	43	63313	20.774 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	47168	20.381 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	37404m	20.169 ug/l	
77) Bromobenzene	11.195	156	31462	20.605 ug/l	96
78) n-propylbenzene	11.299	91	157806	20.300 ug/l	99
79) 2-Chlorotoluene	11.360	91	96410	20.179 ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	113664	20.797 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	13230	18.351 ug/l	94
82) 4-Chlorotoluene	11.451	91	107461	20.331 ug/l	100
83) tert-Butylbenzene	11.713	119	113453	20.520 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	113257	20.996 ug/l	99
85) sec-Butylbenzene	11.884	105	141678	20.693 ug/l	100
86) p-Isopropyltoluene	12.006	119	115883	21.047 ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	56403	20.087 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	56774	19.998 ug/l	99
89) n-Butylbenzene	12.329	91	101189	20.774 ug/l	99
90) Hexachloroethane	12.536	117	20215	19.608 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	57355	20.783 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8432	19.963 ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	33252	19.913 ug/l	98
94) Hexachlorobutadiene	13.719	225	13375	20.176 ug/l	99
95) Naphthalene	13.774	128	122681	20.324 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	33862	20.124 ug/l	99

Sample Results: **VX044897.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044897.D
Acq On : 11 Feb 2025 11:48
Operator : JC/MD
Sample : VX0211WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 12 02:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

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

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

Sample Results: **VX044897.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044897.D
Acq On : 11 Feb 2025 11:48
Operator : JC/MD
Sample : VX0211WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 12 02:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED

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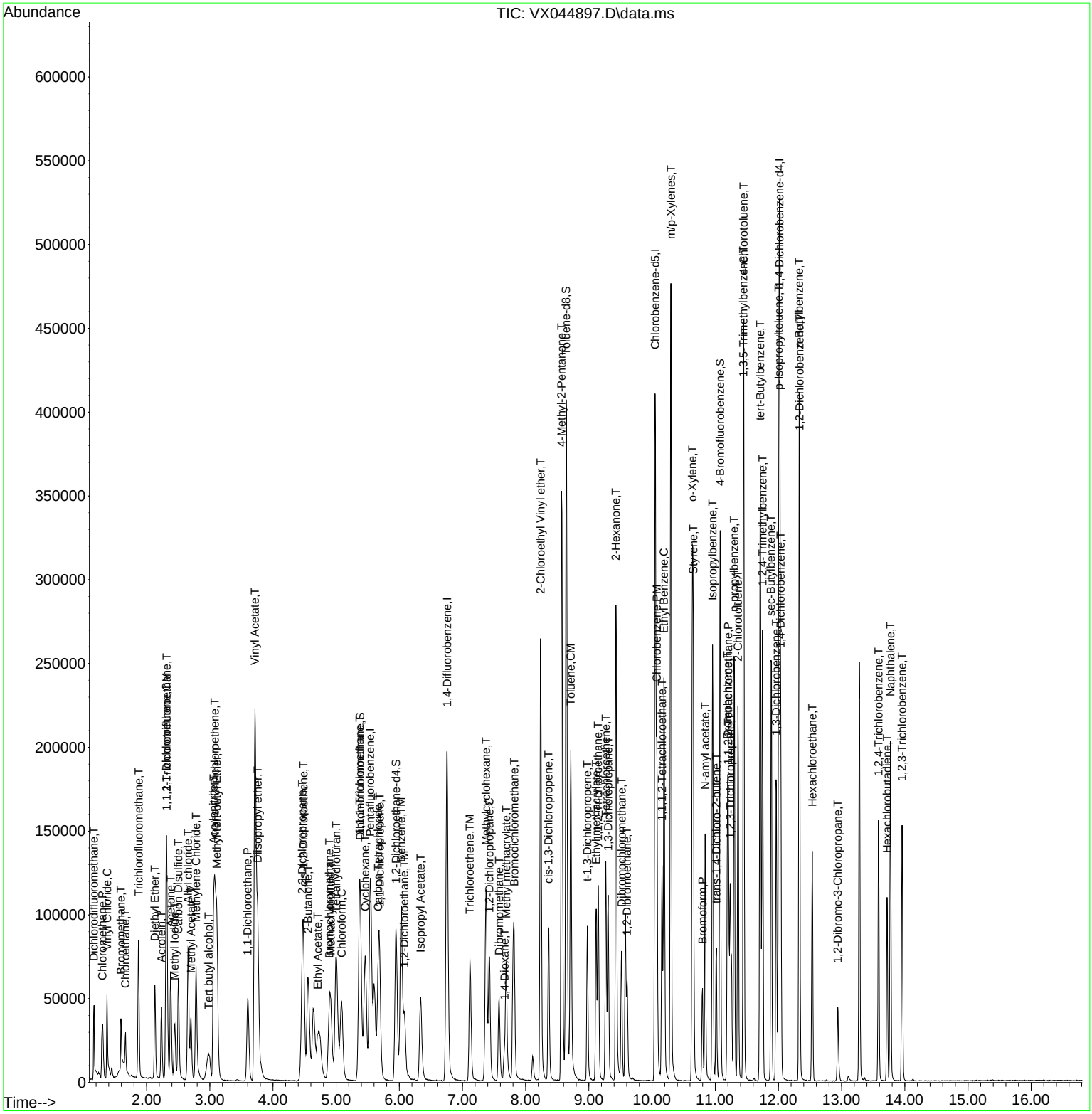

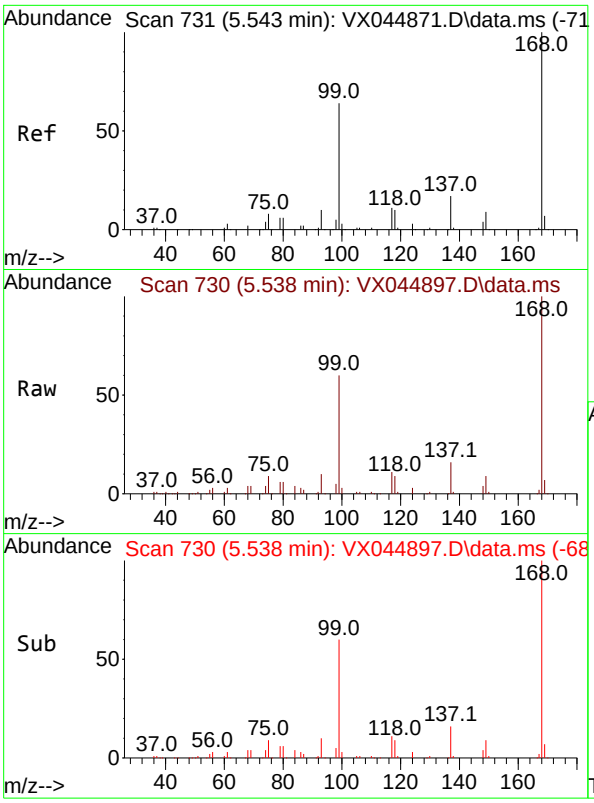

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.005 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:168 Resp: 116400

Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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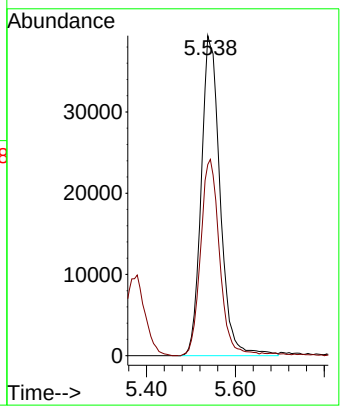
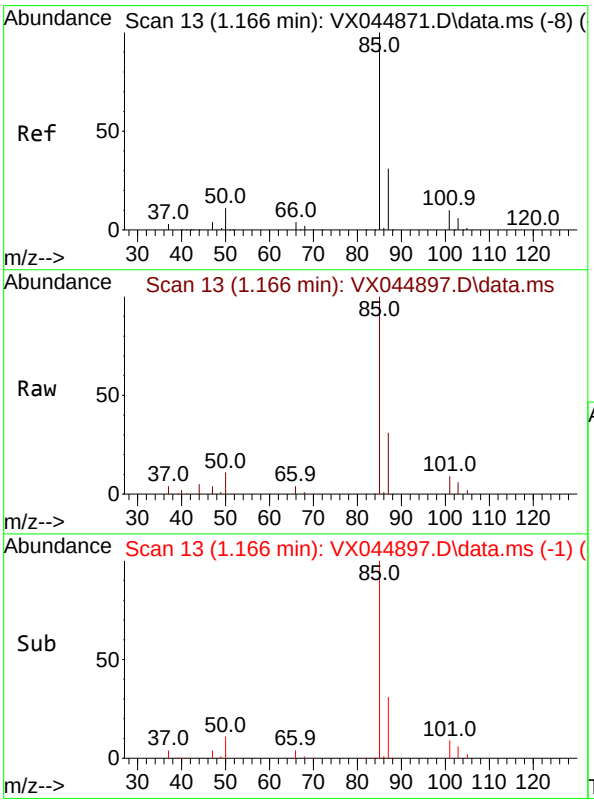
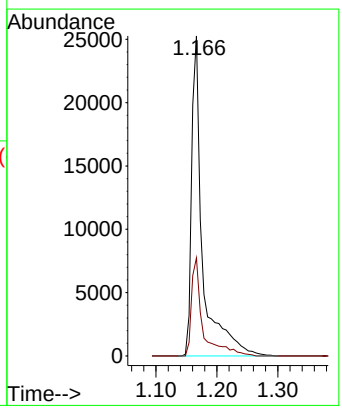


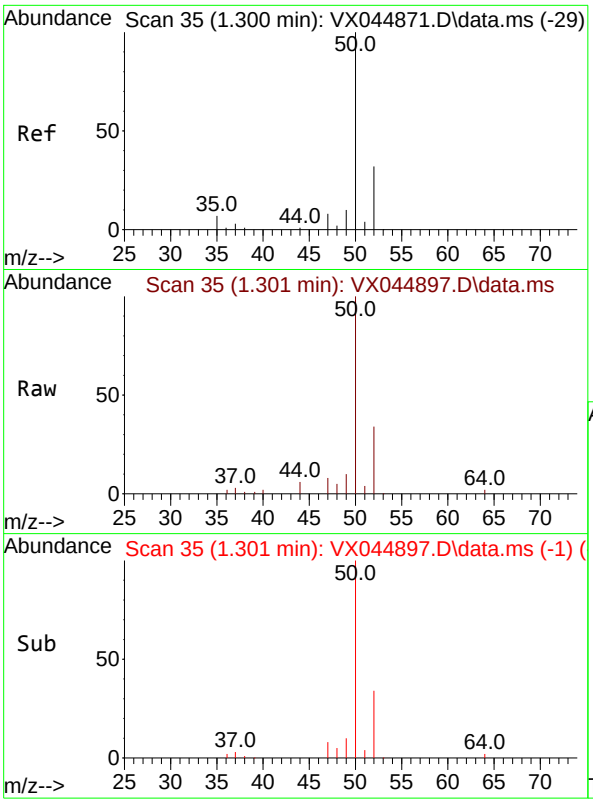


#2
Dichlorodifluoromethane
Concen: 19.356 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 85 Resp: 31601

Ion	Ratio	Lower	Upper
85	100		
87	30.6	15.8	47.3





#3
Chloromethane
Concen: 18.680 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 50 Resp: 3711

Ion	Ratio	Lower	Upper
50	100		
52	34.2	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
APPROVED

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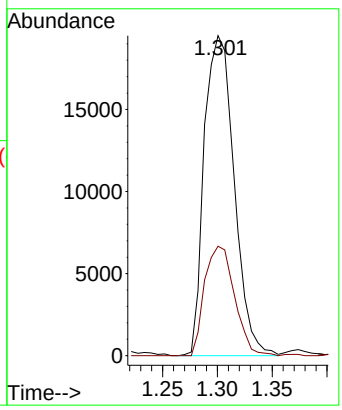
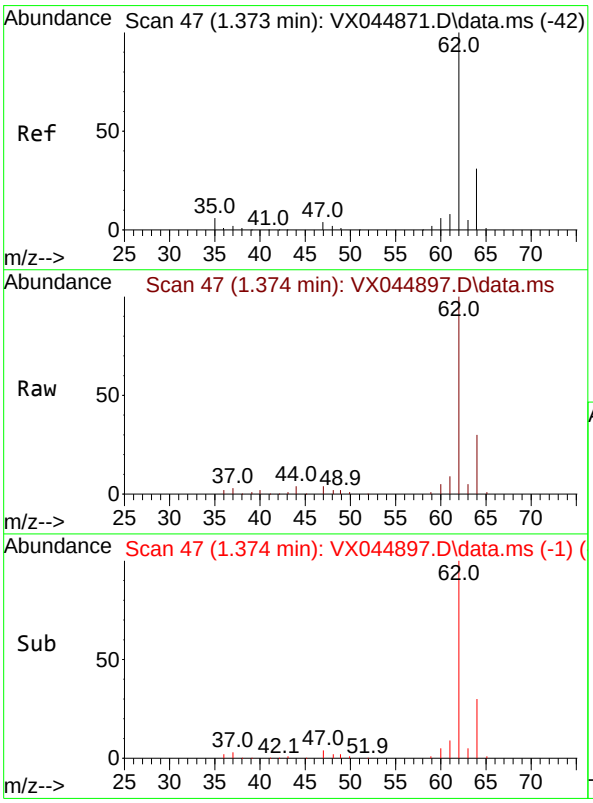
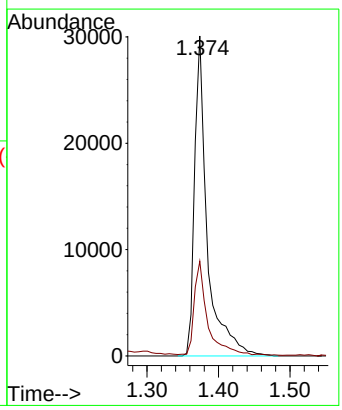


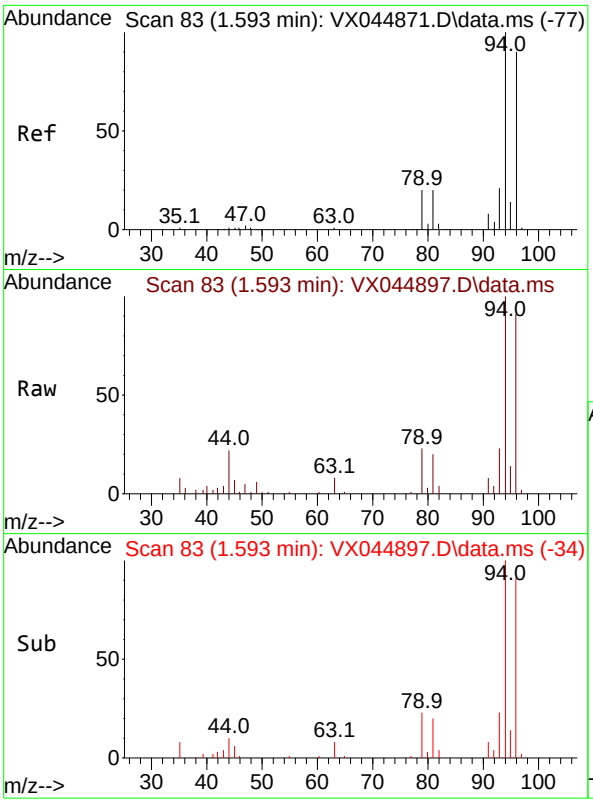


#4
Vinyl Chloride
Concen: 19.198 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 62 Resp: 36957

Ion	Ratio	Lower	Upper
62	100		
64	29.4	25.4	38.0





#5
Bromomethane
Concen: 20.114 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 94 Resp: 1158

Ion	Ratio	Lower	Upper
94	100		
96	90.6	71.6	107.4

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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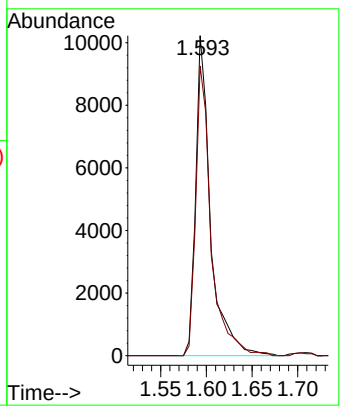
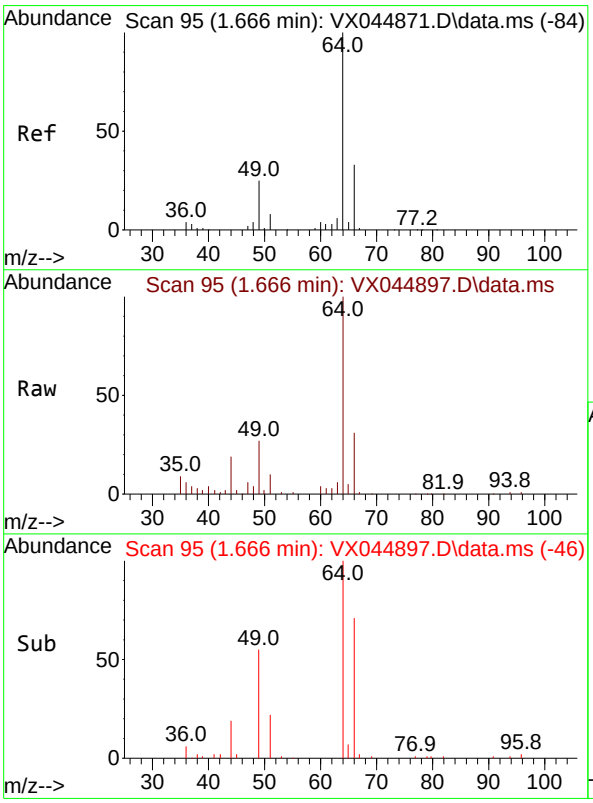
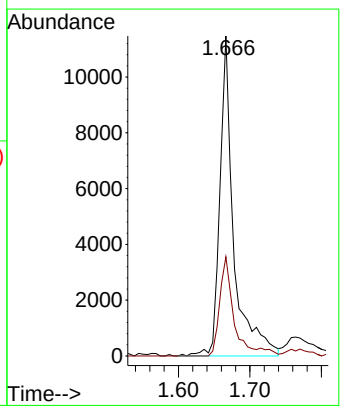


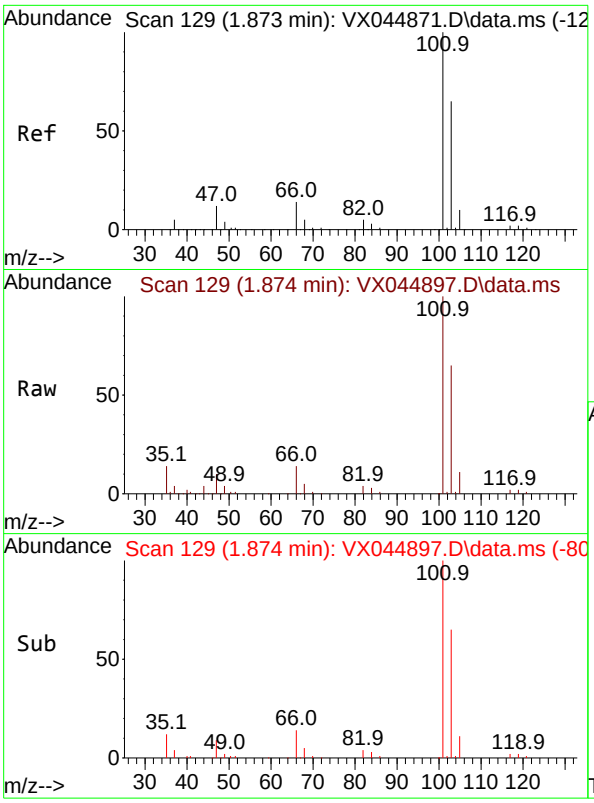


#6
Chloroethane
Concen: 18.945 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 64 Resp: 15397

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.9	38.9





#7
Trichlorofluoromethane
Concen: 19.475 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:101 Resp: 4741

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.4	78.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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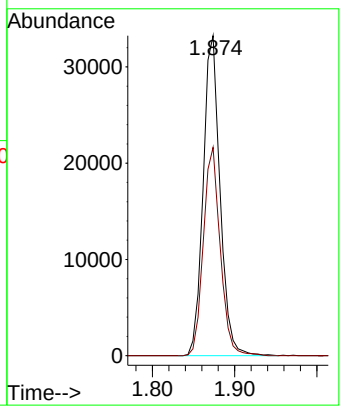
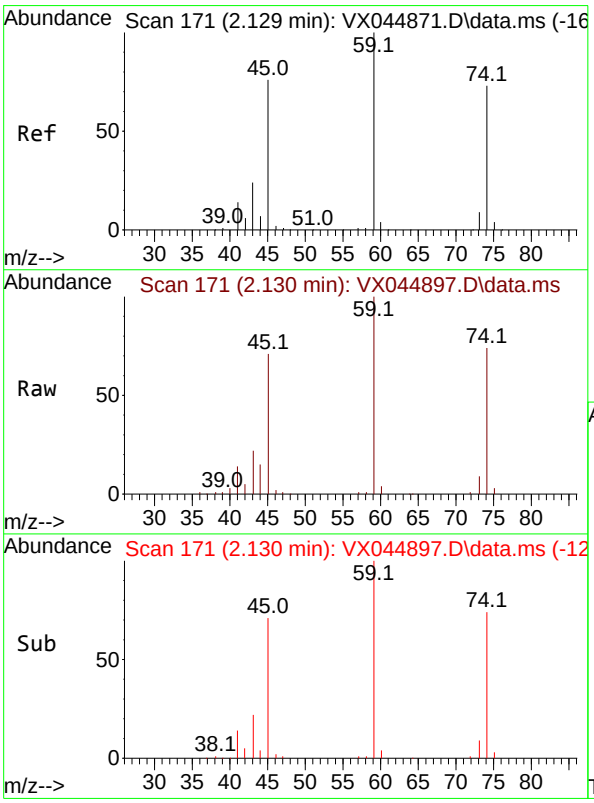
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

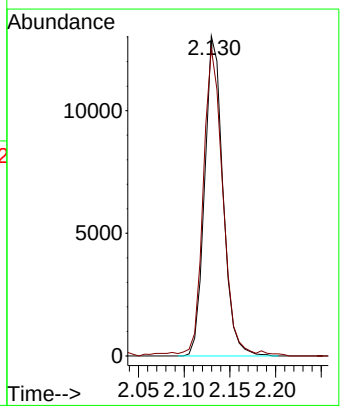


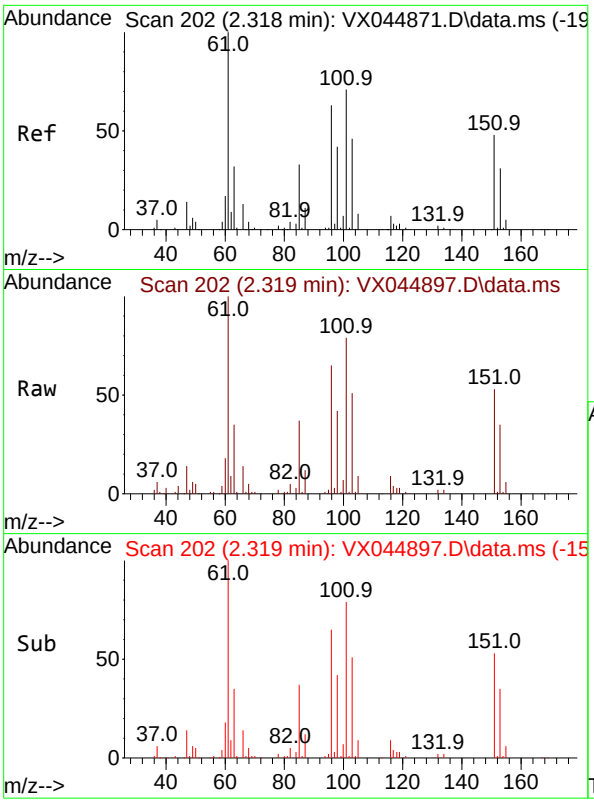


#8
Diethyl Ether
Concen: 20.567 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 74 Resp: 18158

Ion	Ratio	Lower	Upper
74	100		
45	104.6	51.1	153.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.261 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:101 Resp: 2980

Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.7	53.5
151	68.4	56.0	84.0

Manual Integrations
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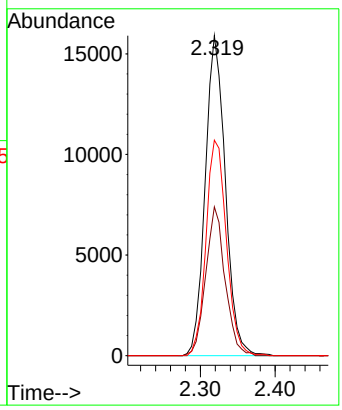
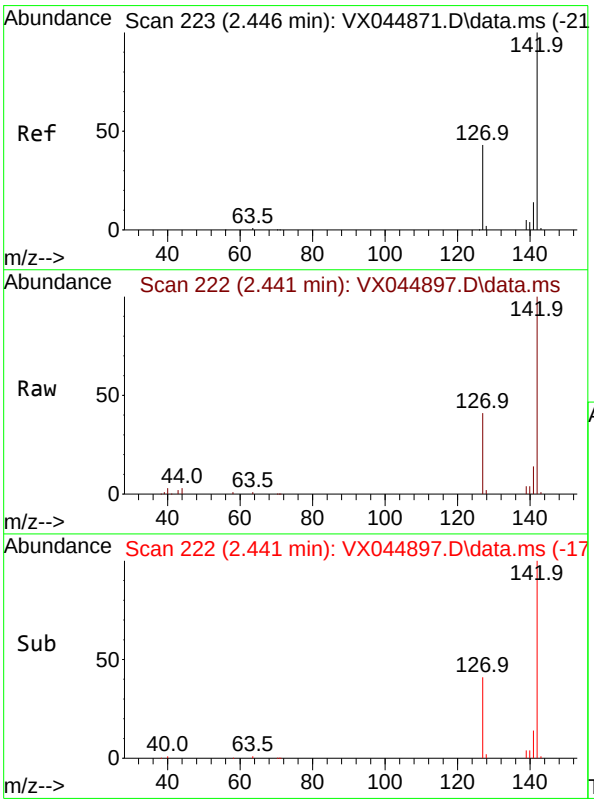
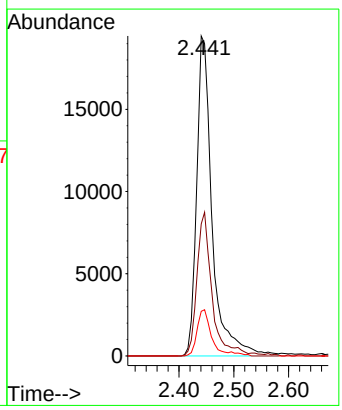


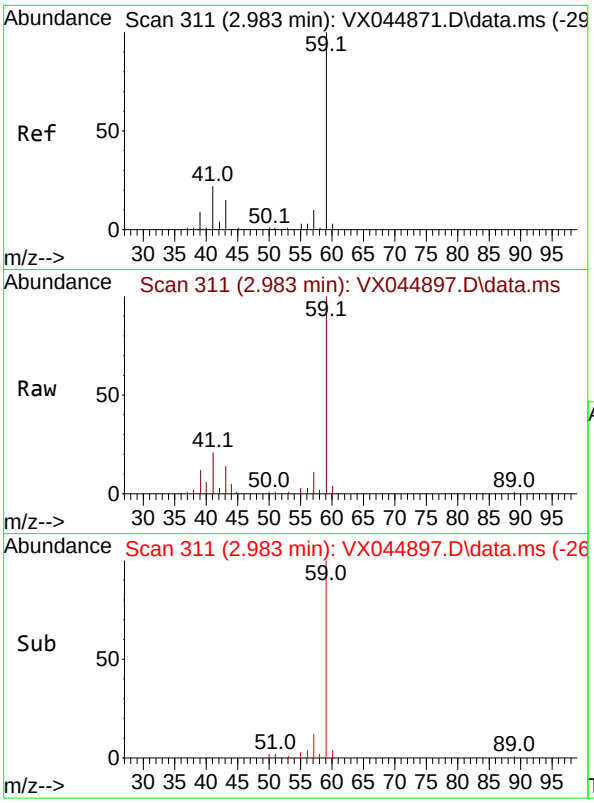


#10
Methyl Iodide
Concen: 20.149 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:142 Resp: 38410

Ion	Ratio	Lower	Upper
142	100		
127	43.8	34.3	51.5
141	13.7	11.4	17.2





#11
Tert butyl alcohol
Concen: 103.851 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 59 Resp: 3282

Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
APPROVED

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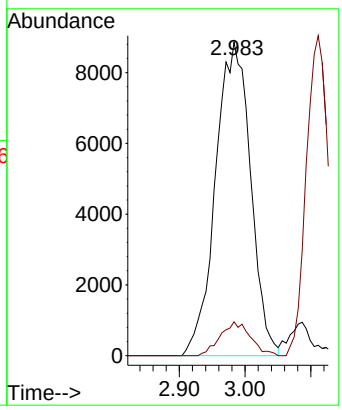
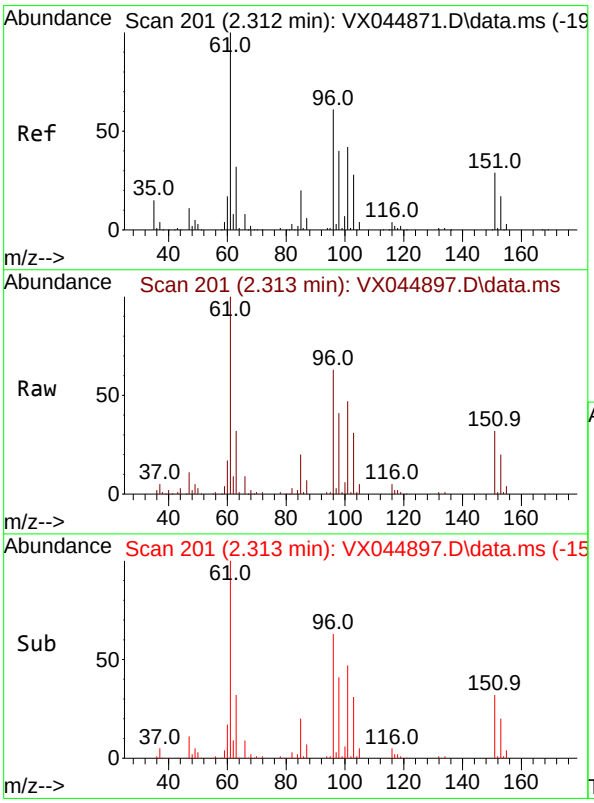
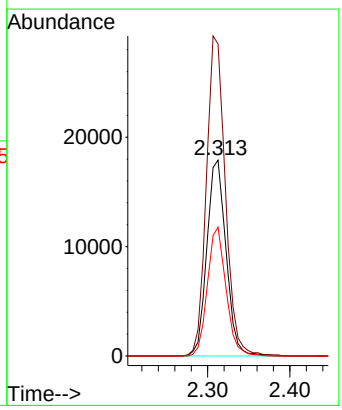


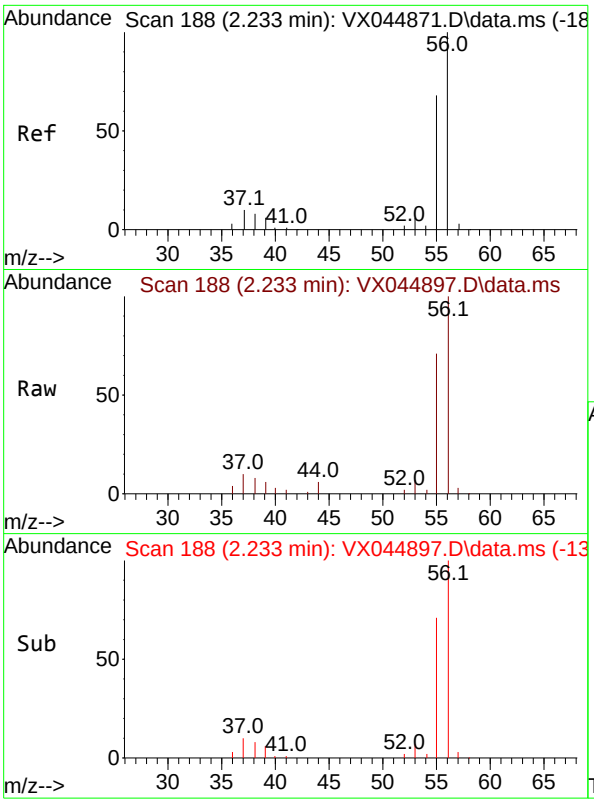


#12
1,1-Dichloroethene
Concen: 19.330 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 96 Resp: 29002

Ion	Ratio	Lower	Upper
96	100		
61	159.4	130.2	195.4
98	65.7	52.2	78.4





#13
Acrolein
Concen: 96.897 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 56 Resp: 3160

Ion	Ratio	Lower	Upper
56	100		
55	71.0	55.7	83.5

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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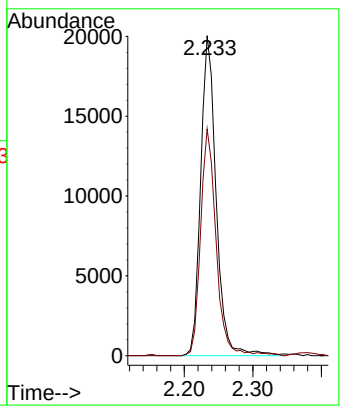
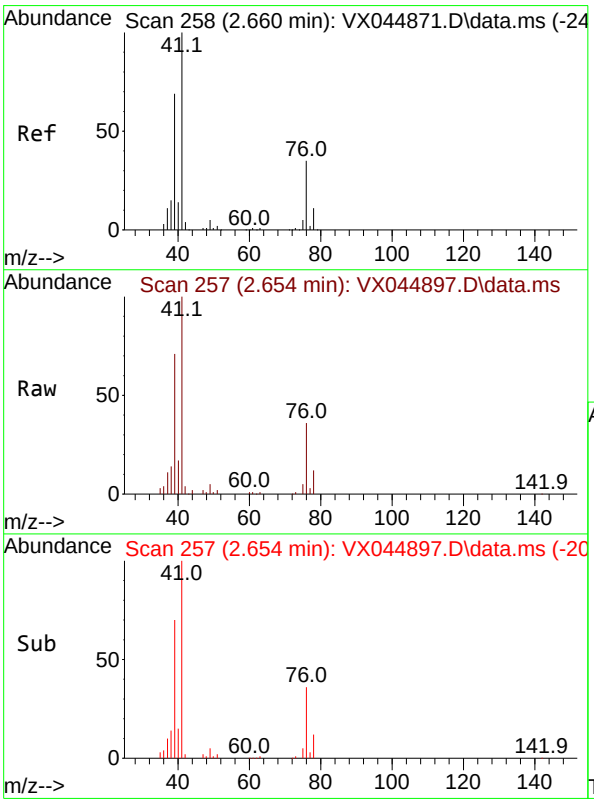
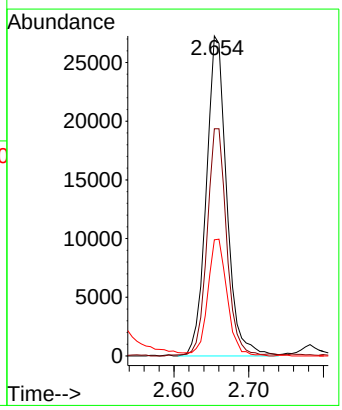


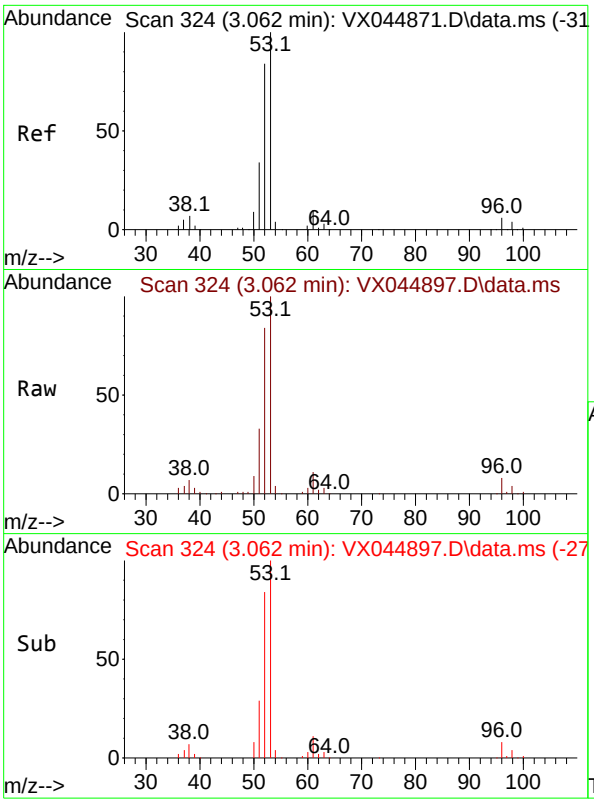


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 41 Resp: 51780

Ion	Ratio	Lower	Upper
41	100		
39	68.2	51.4	77.2
76	34.8	27.0	40.4





#15
Acrylonitrile
Concen: 102.915 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 53 Resp: 8686

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.3	28.0	42.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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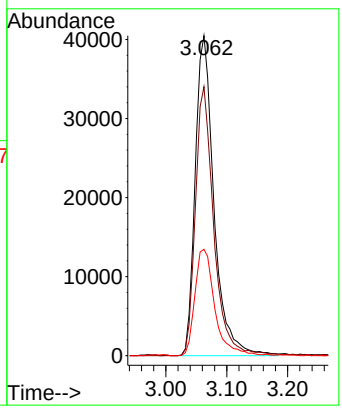
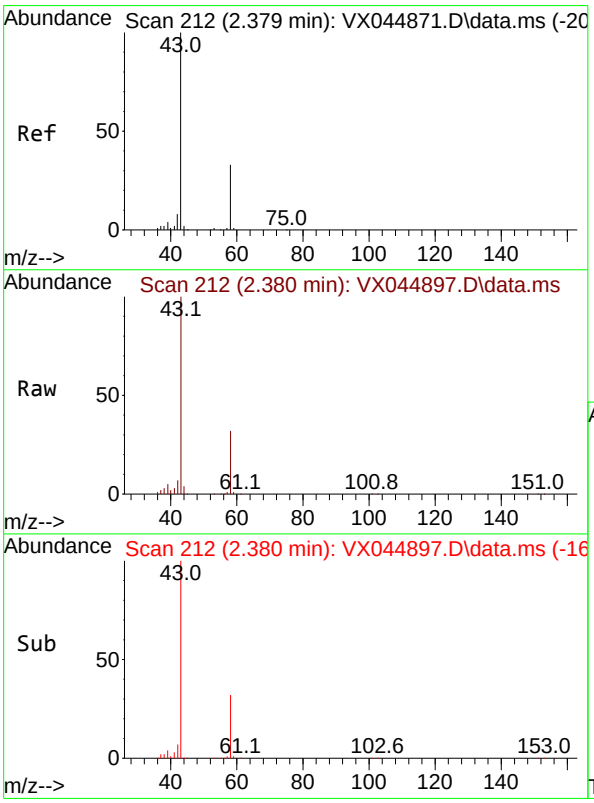
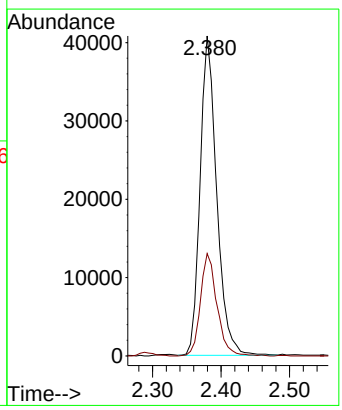


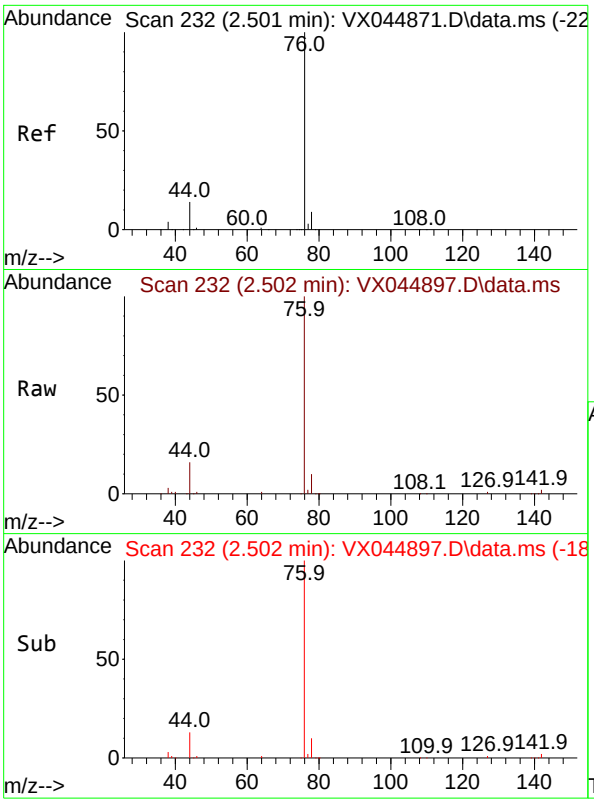


#16
Acetone
Concen: 100.366 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 68752

Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.5	39.7





#17
Carbon Disulfide
Concen: 18.631 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 76 Resp: 7665

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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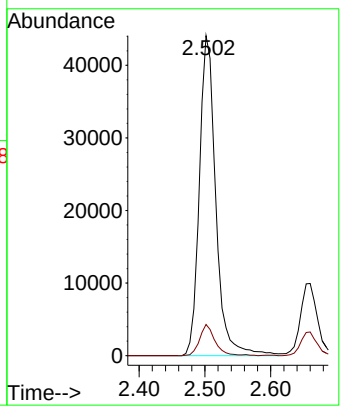
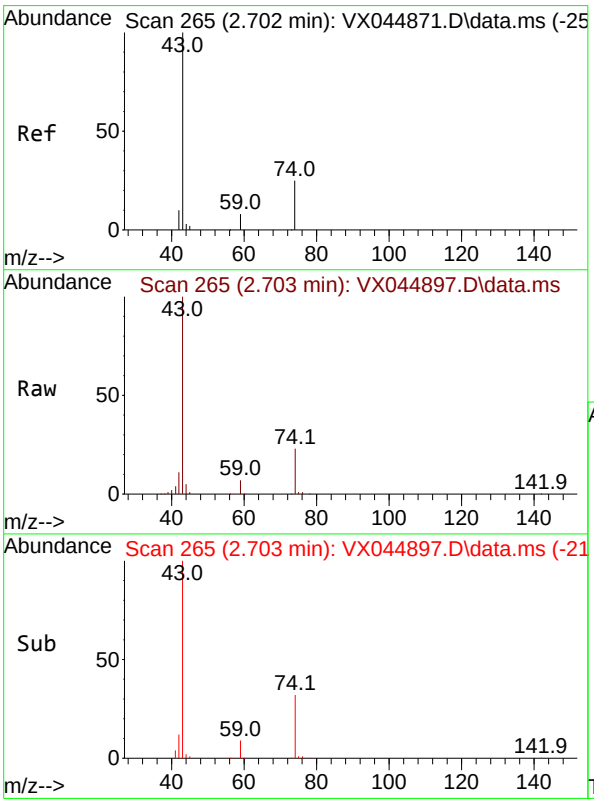
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

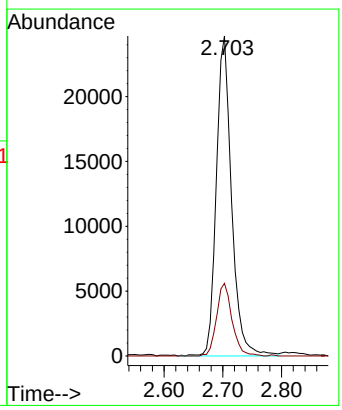


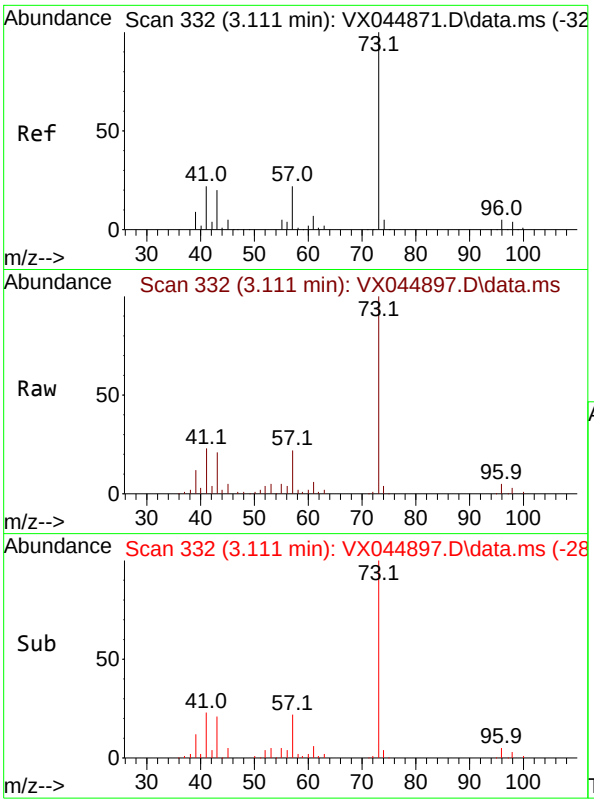


#18
Methyl Acetate
Concen: 20.527 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 44373

Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.9	28.3





#19
Methyl tert-butyl Ether
Concen: 20.246 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 73 Resp: 9665

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

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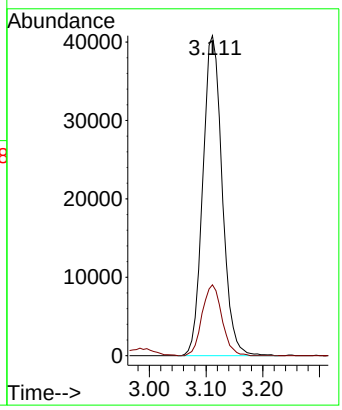
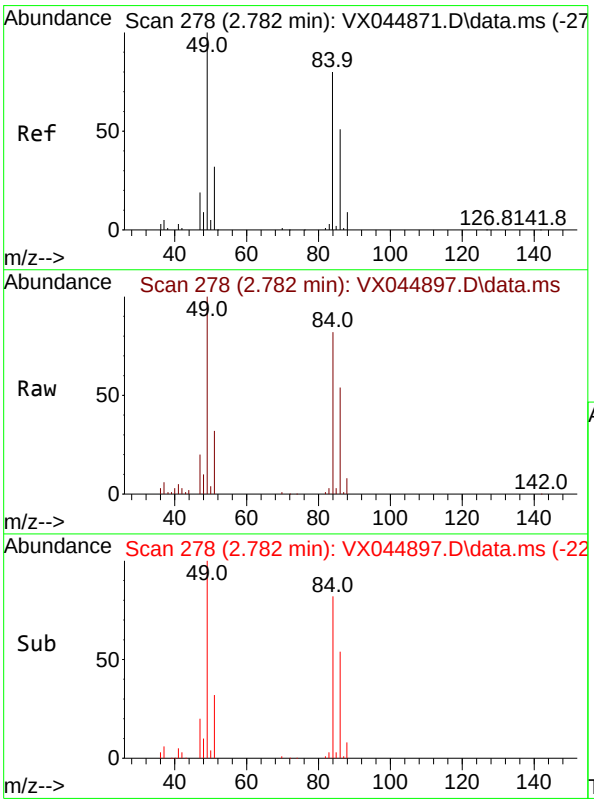
Supervised By :Mahesh Dadoda 02/12/2025

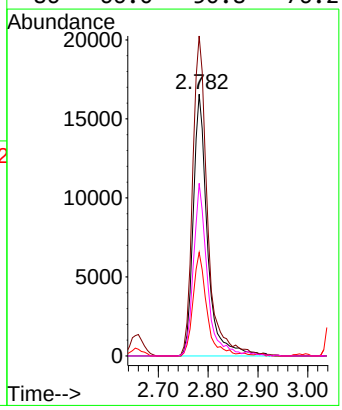


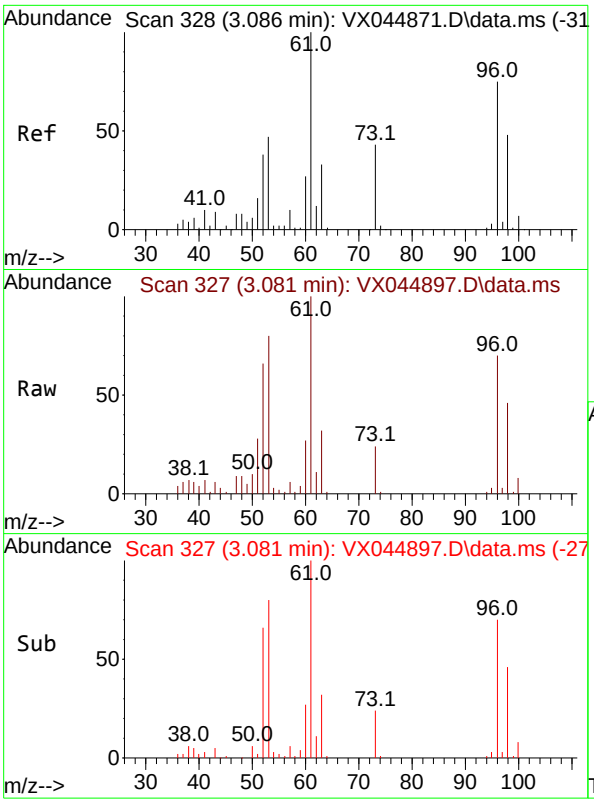


#20
Methylene Chloride
Concen: 19.594 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 84 Resp: 32877

Ion	Ratio	Lower	Upper
84	100		
49	122.3	100.1	150.1
51	39.6	31.7	47.5
86	66.0	50.8	76.2





#21
trans-1,2-Dichloroethene
Concen: 19.676 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 96 Resp: 2905

Ion	Ratio	Lower	Upper
96	100		
61	142.7	106.0	159.0
98	65.5	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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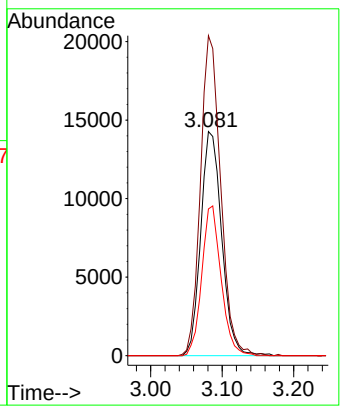
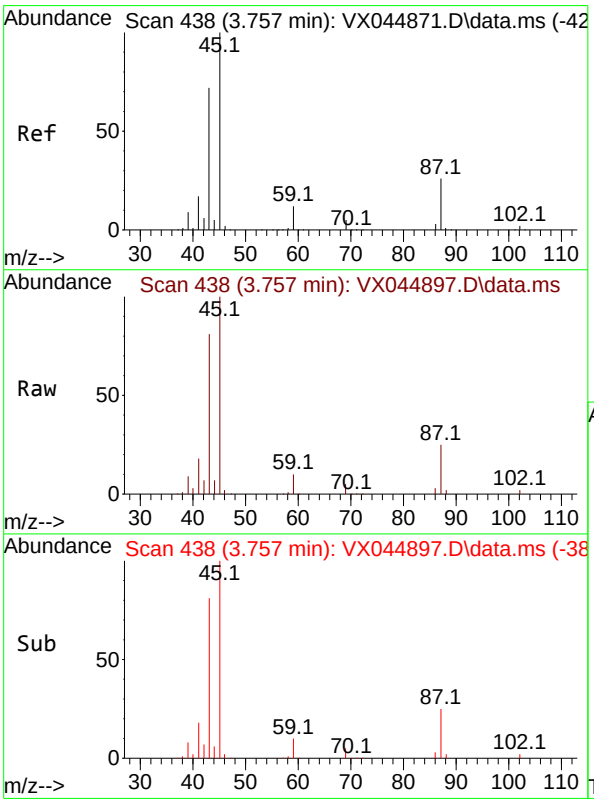
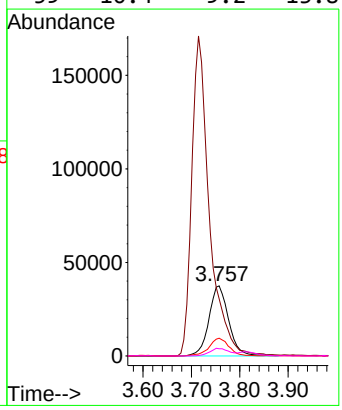


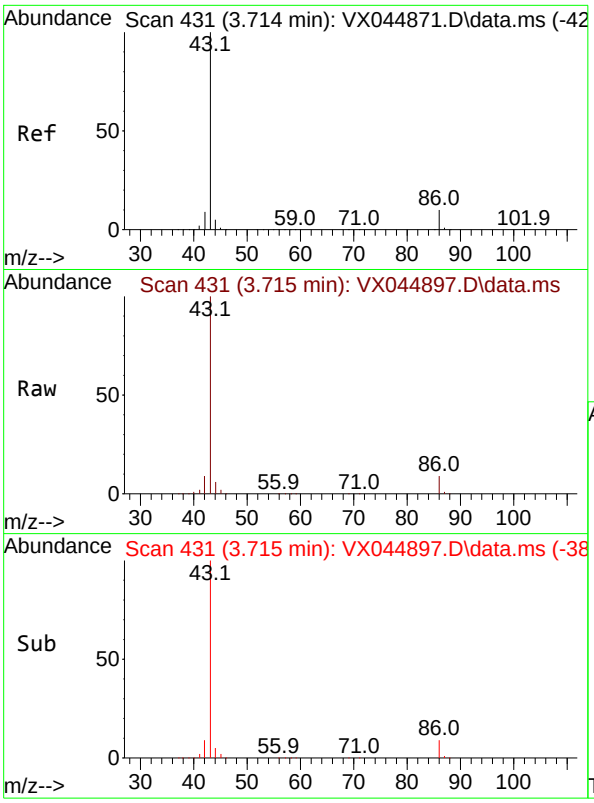


#22
Diisopropyl ether
Concen: 20.627 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 45 Resp: 105816

Ion	Ratio	Lower	Upper
45	100		
43	81.0	58.0	87.0
87	25.4	20.7	31.1
59	10.4	9.2	13.8





#23
Vinyl Acetate
Concen: 103.656 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 43351

Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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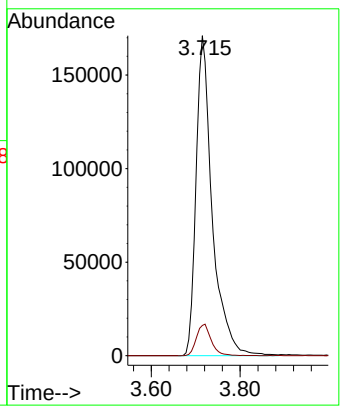
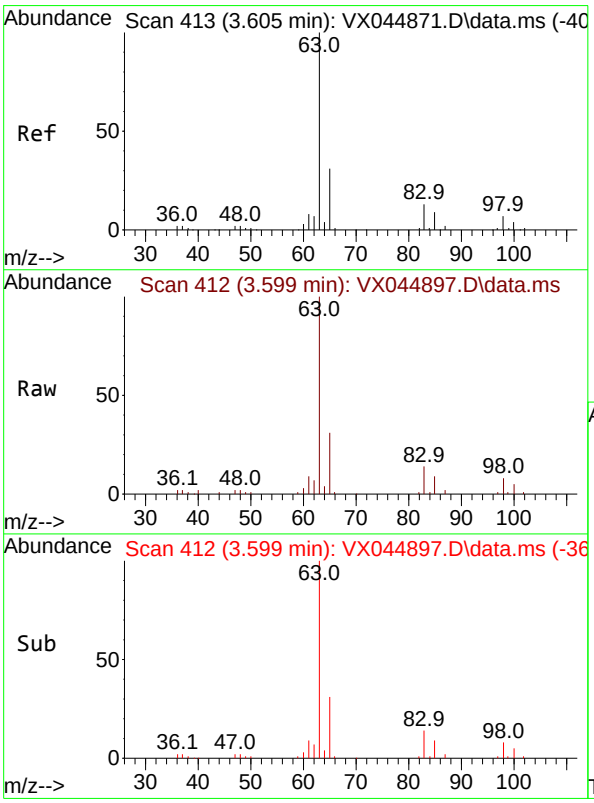
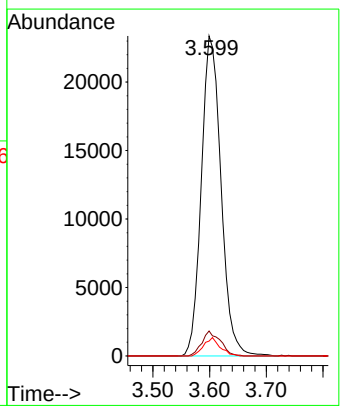


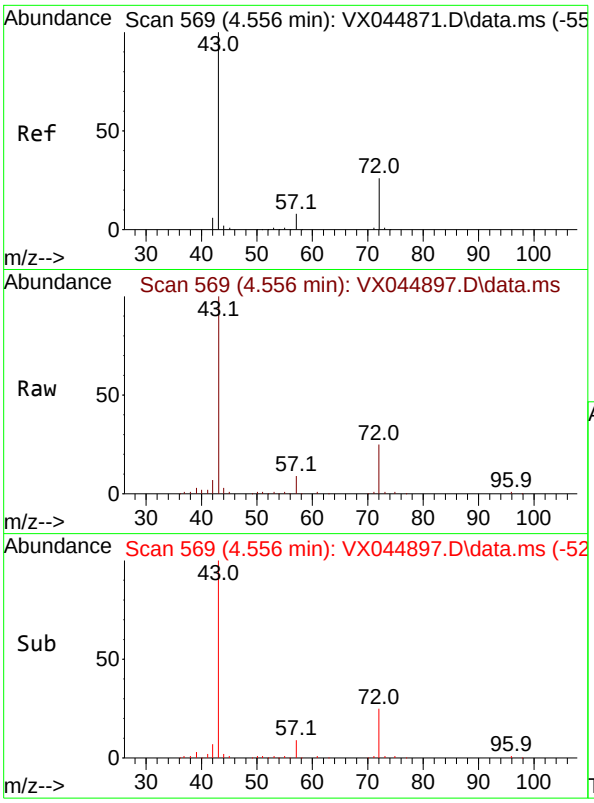


#24
1,1-Dichloroethane
Concen: 19.635 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 63 Resp: 56359

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.3	9.9
100	4.6	2.1	6.5





#25
2-Butanone
Concen: 103.966 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 11564

Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.2	31.8

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

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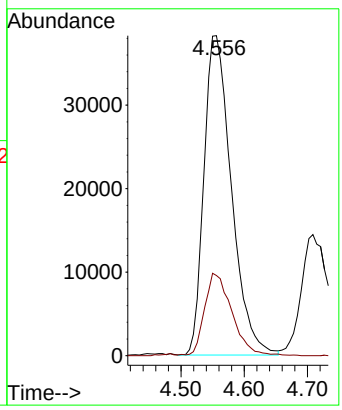
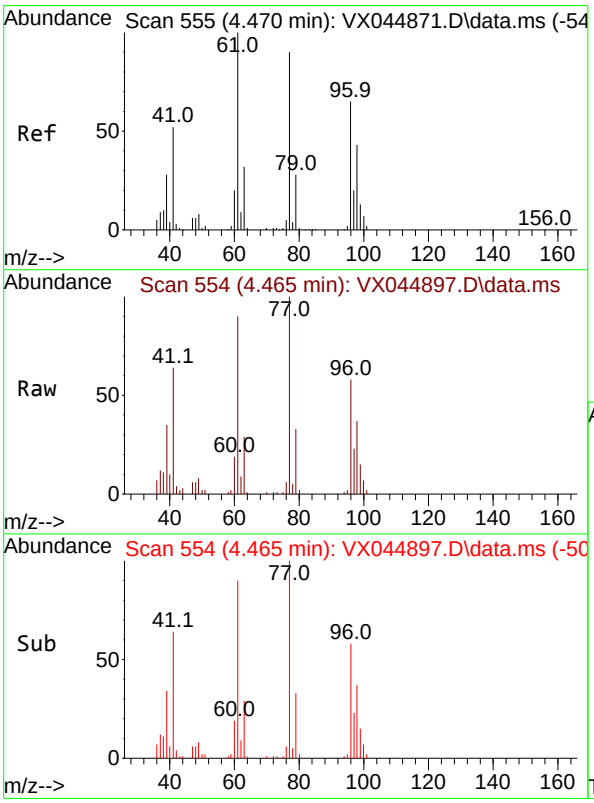
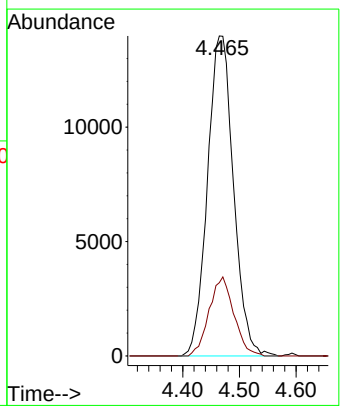


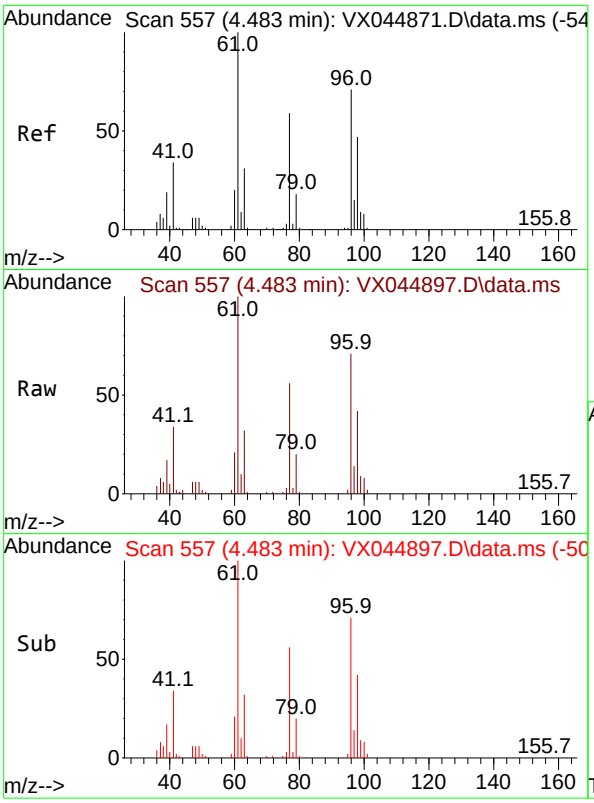


#26
2,2-Dichloropropane
Concen: 19.590 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 77 Resp: 44593

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.8	35.3





#27
cis-1,2-Dichloroethene
Concen: 20.041 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 96 Resp: 3554

Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	294.0
98	63.4	0.0	131.2

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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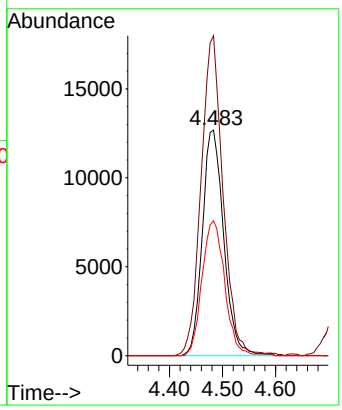
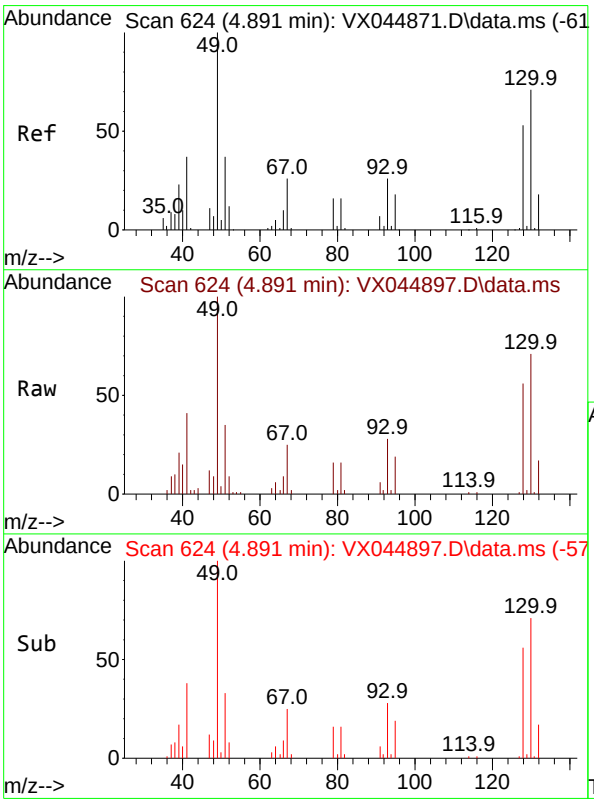
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

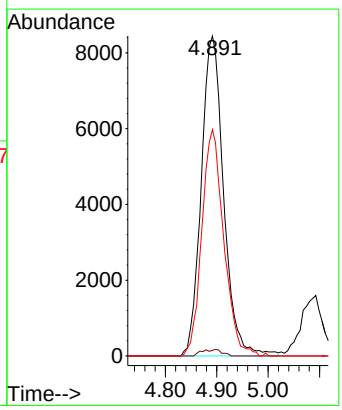


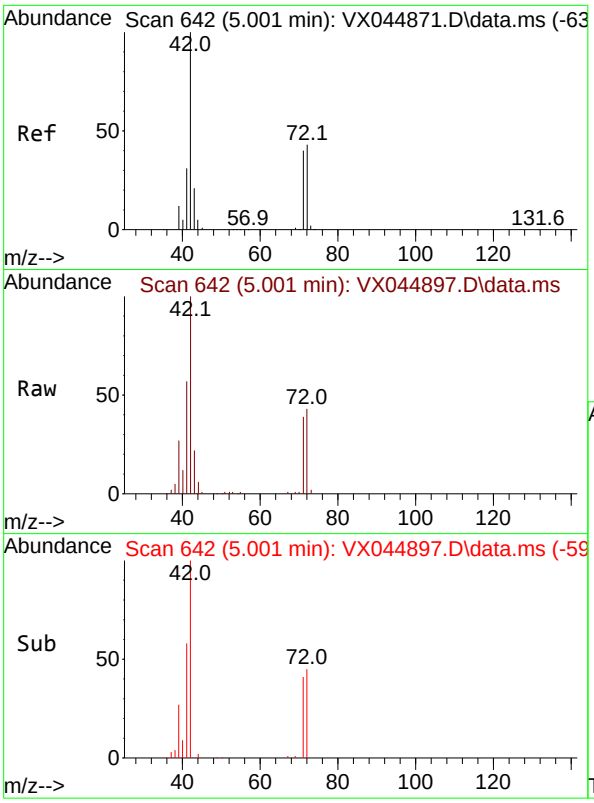


#28
Bromochloromethane
Concen: 18.515 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 49 Resp: 25541

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.2	56.7	85.1





#29
Tetrahydrofuran
Concen: 101.711 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 42 Resp: 7512

Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.0	52.4
71	41.5	32.6	48.8

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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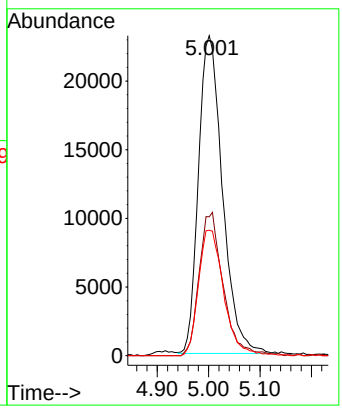
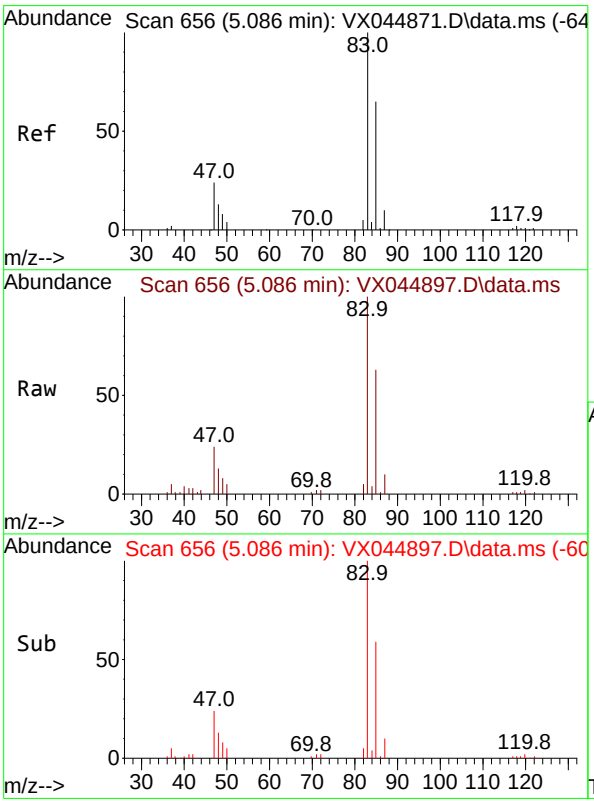
Supervised By :Mahesh Dadoda 02/12/2025

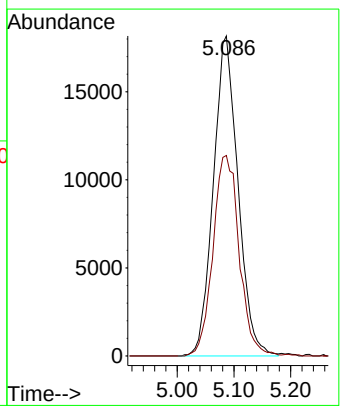


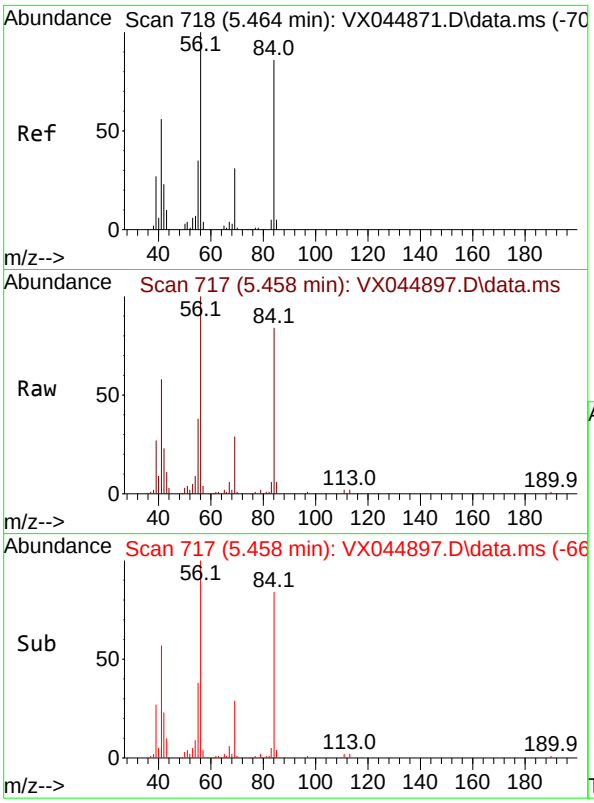


#30
Chloroform
Concen: 19.660 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 83 Resp: 54727

Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.1	78.1





#31
Cyclohexane
Concen: 19.969 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 56 Resp: 5284

Ion	Ratio	Lower	Upper
56	100		
69	28.9	24.4	36.6
84	82.2	69.0	103.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

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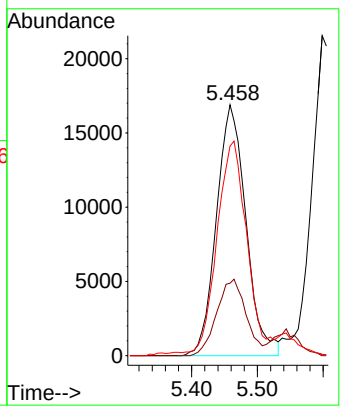
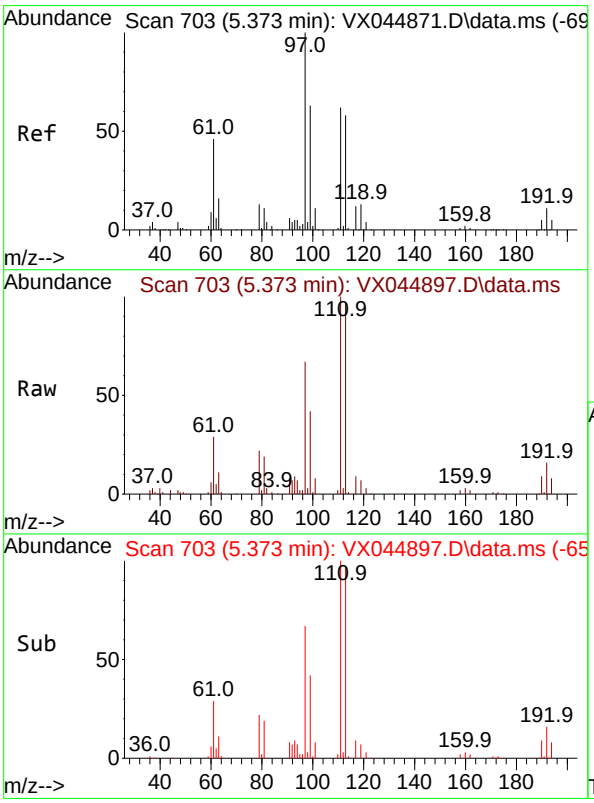
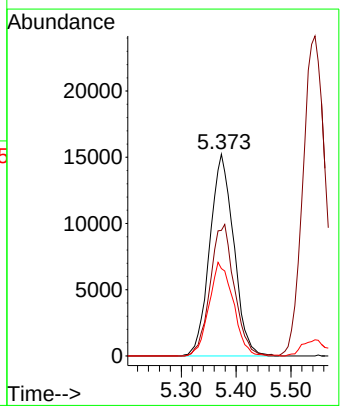


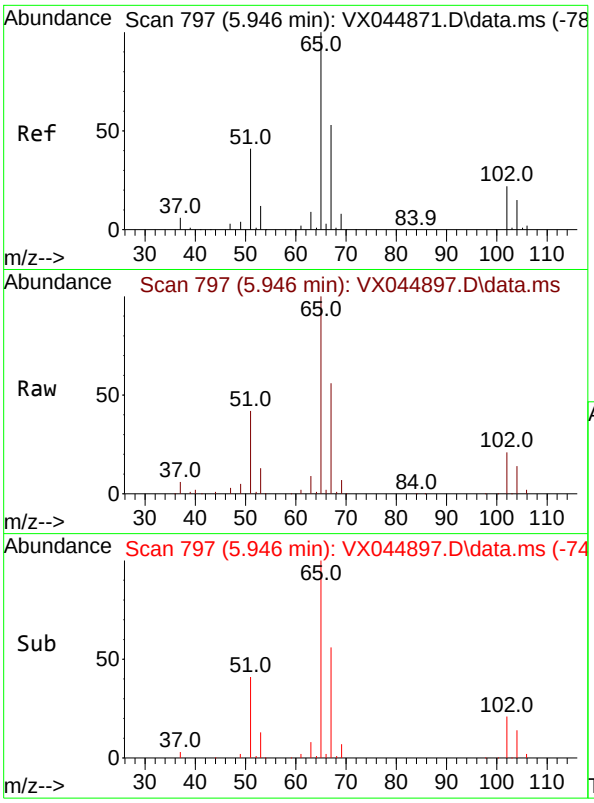


#32
1,1,1-Trichloroethane
Concen: 19.624 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 97 Resp: 46336

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.0	76.6
61	46.9	36.6	55.0





#33
1,2-Dichloroethane-d4
Concen: 49.388 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 65 Resp: 8415

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	108.2

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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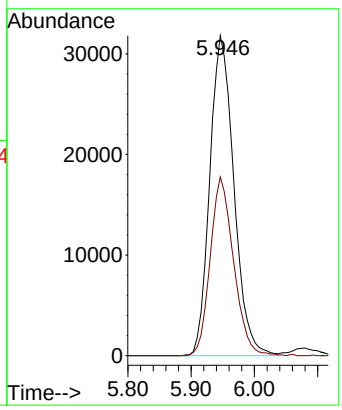
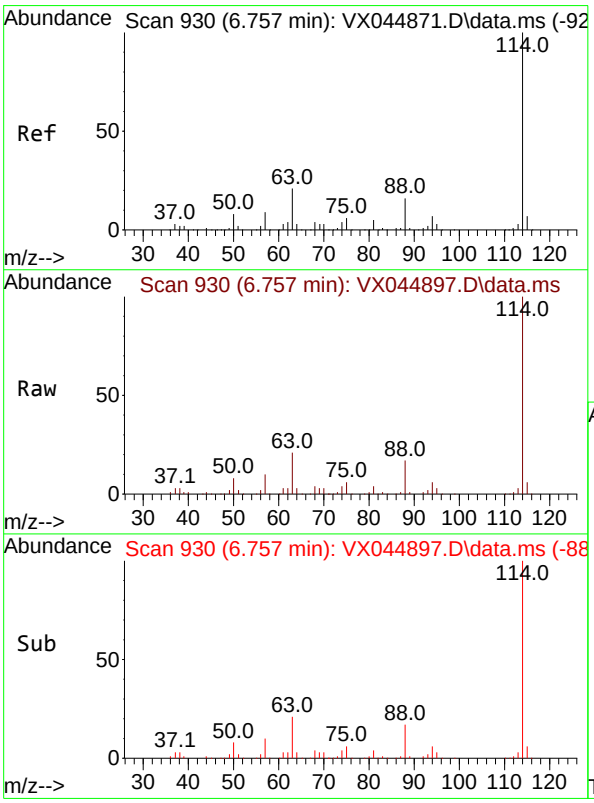
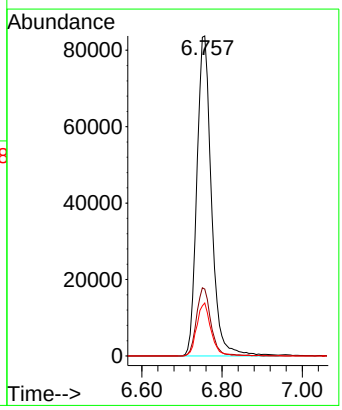


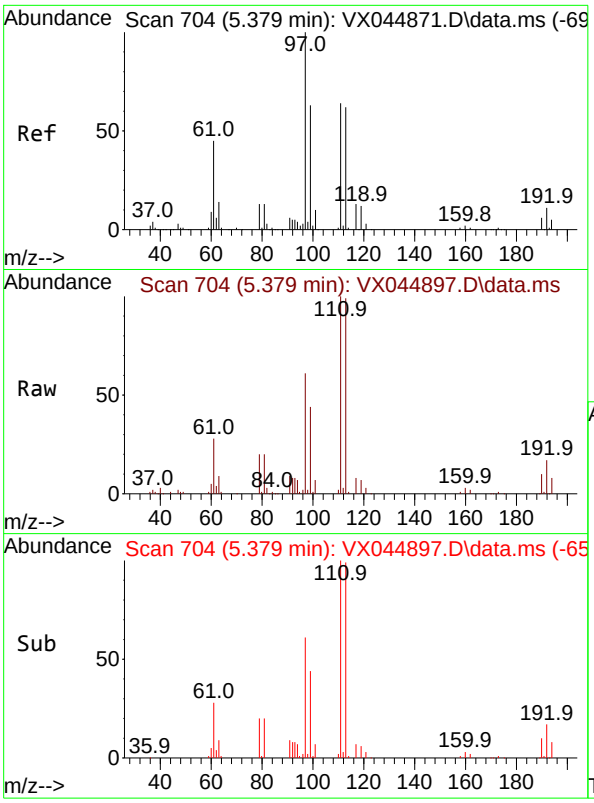


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:114 Resp: 211404

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.4
88	16.6	0.0	31.4





#35
Dibromofluoromethane
Concen: 48.805 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:113 Resp: 6708

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.5	125.3
192	17.4	14.4	21.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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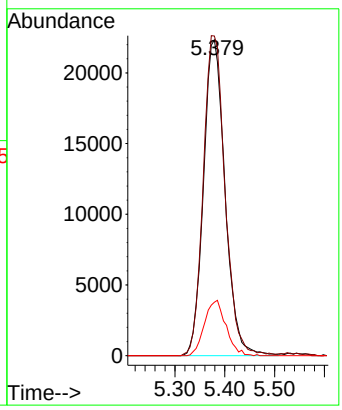
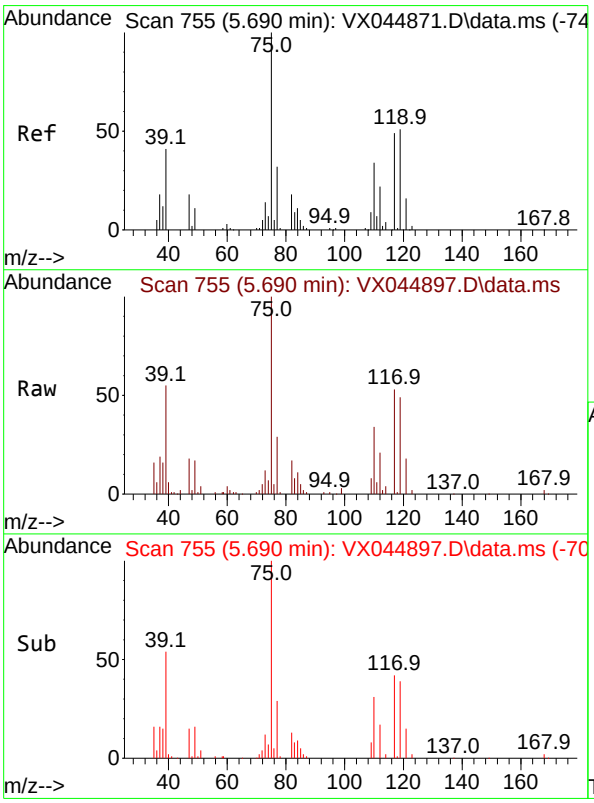
Supervised By :Mahesh Dadoda 02/12/2025

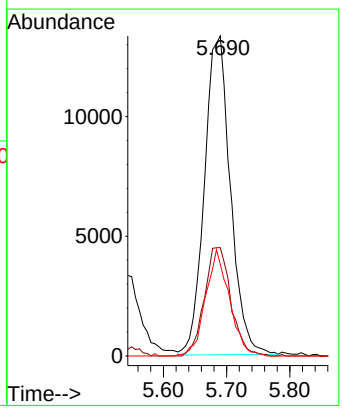


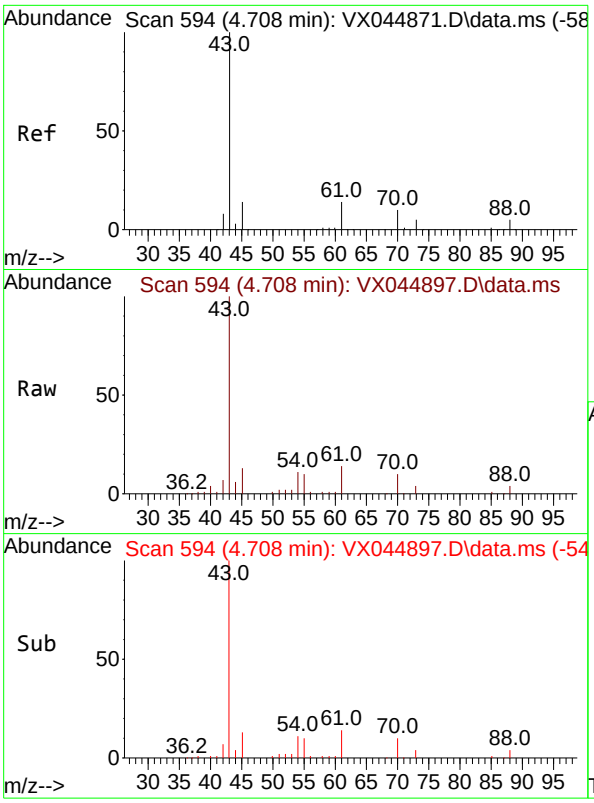


#36
1,1-Dichloropropene
Concen: 19.226 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 75 Resp: 38126

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.2	51.6
77	30.6	24.6	37.0





#37
Ethyl Acetate
Concen: 19.128 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 4219

Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.0	16.4
70	10.7	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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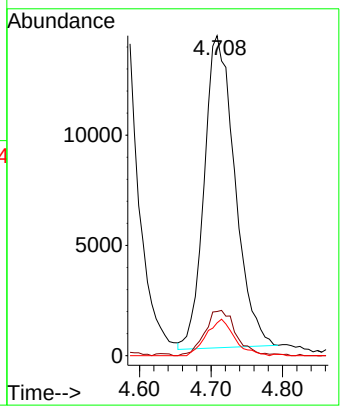
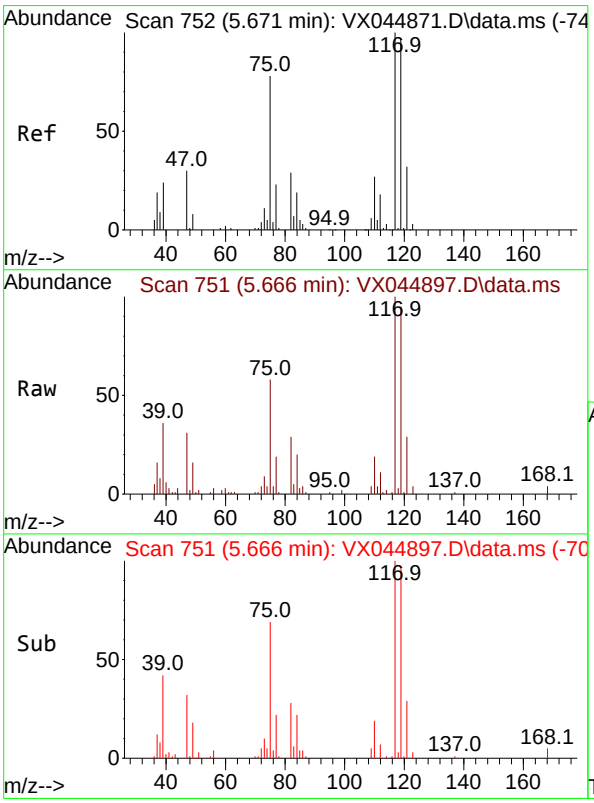
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

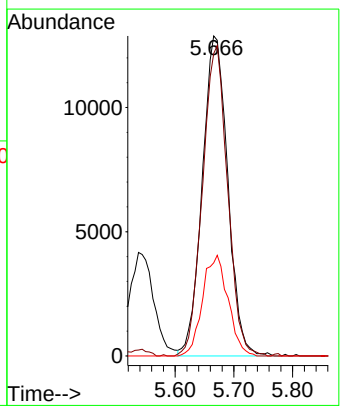


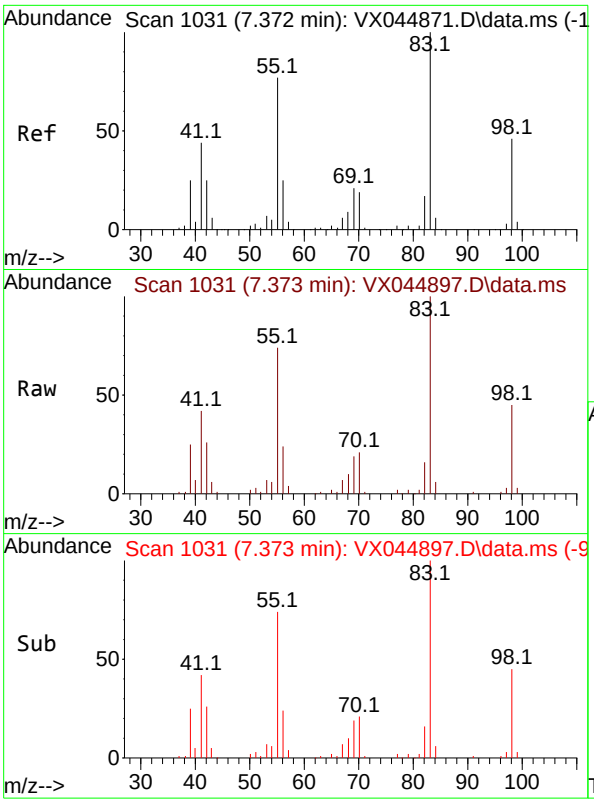


#38
Carbon Tetrachloride
Concen: 19.985 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:117 Resp: 38835

Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.5	116.3
121	29.1	25.6	38.4





#39
Methylcyclohexane
Concen: 20.842 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 83 Resp: 5343

Ion	Ratio	Lower	Upper
83	100		
55	73.8	61.3	91.9
98	45.1	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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Reviewed By :John Carlone 02/12/2025
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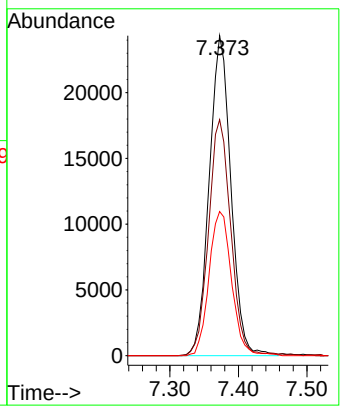
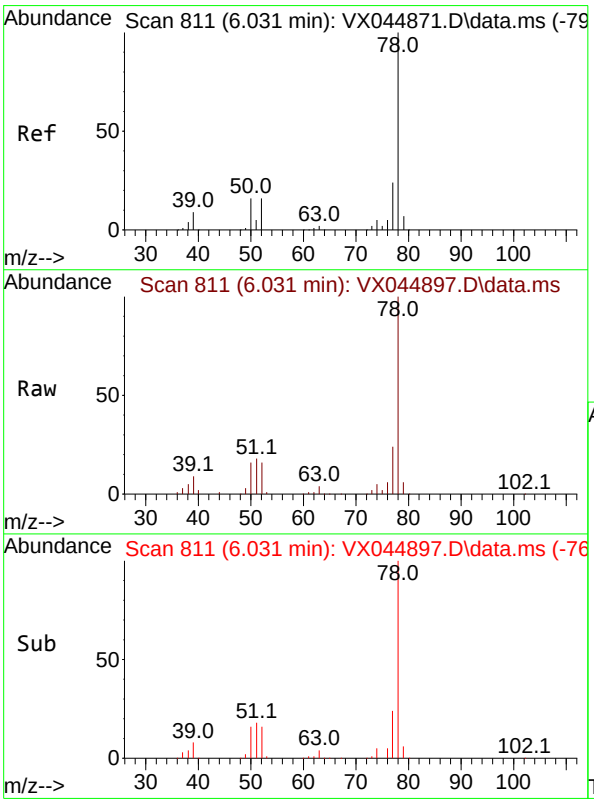
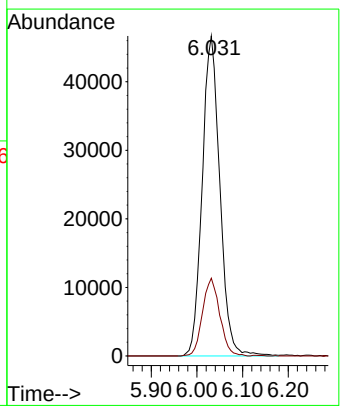


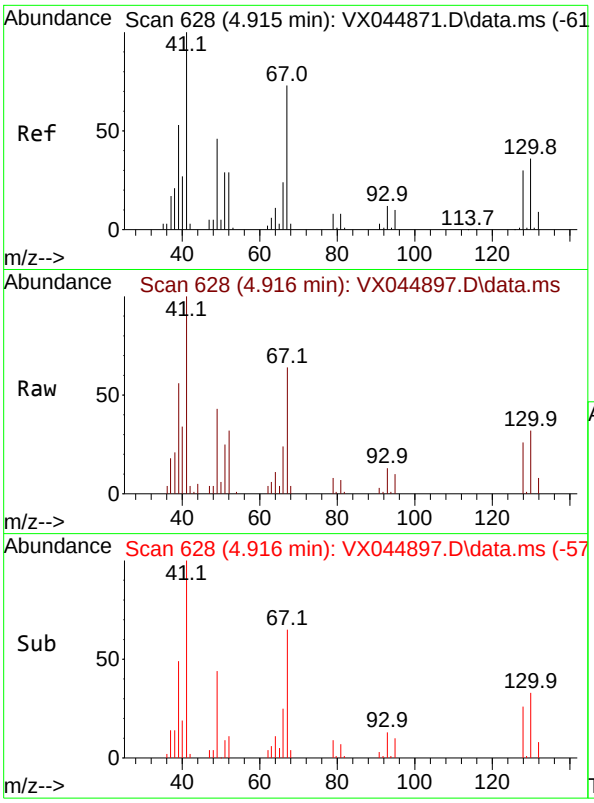


#40
Benzene
Concen: 20.215 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 78 Resp: 125170

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





#41
Methacrylonitrile
Concen: 21.092 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 41 Resp: 2490

Ion	Ratio	Lower	Upper
41	100		
39	51.5	43.1	64.7
67	72.7	57.0	85.6
52	30.3	24.0	36.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

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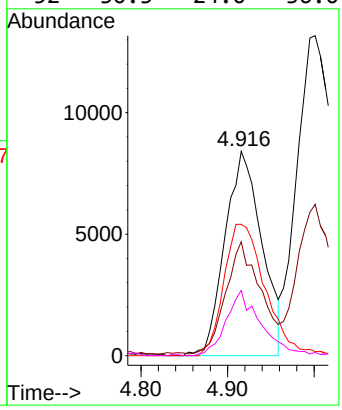
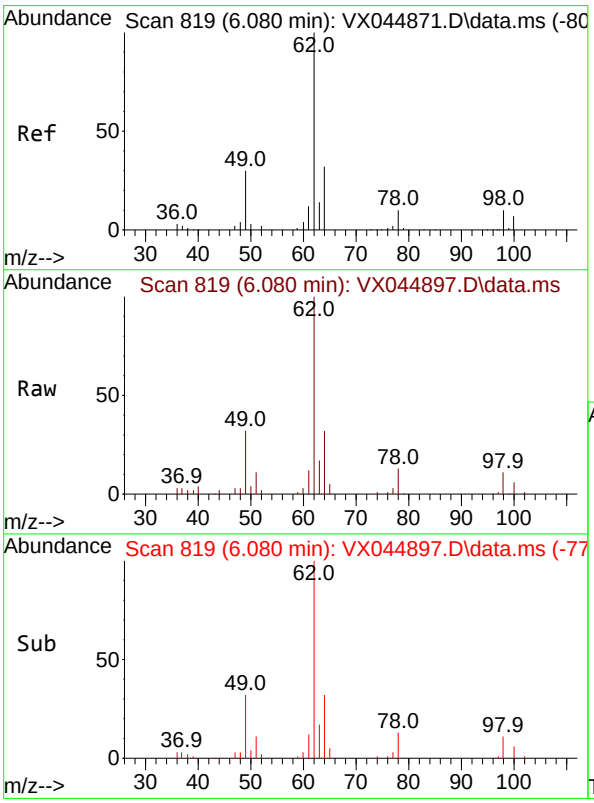
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

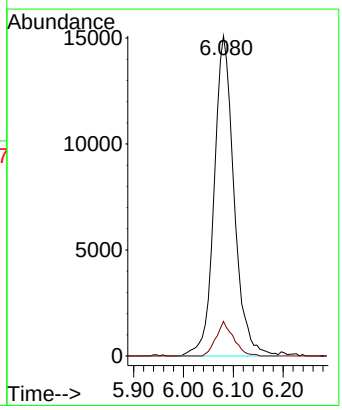


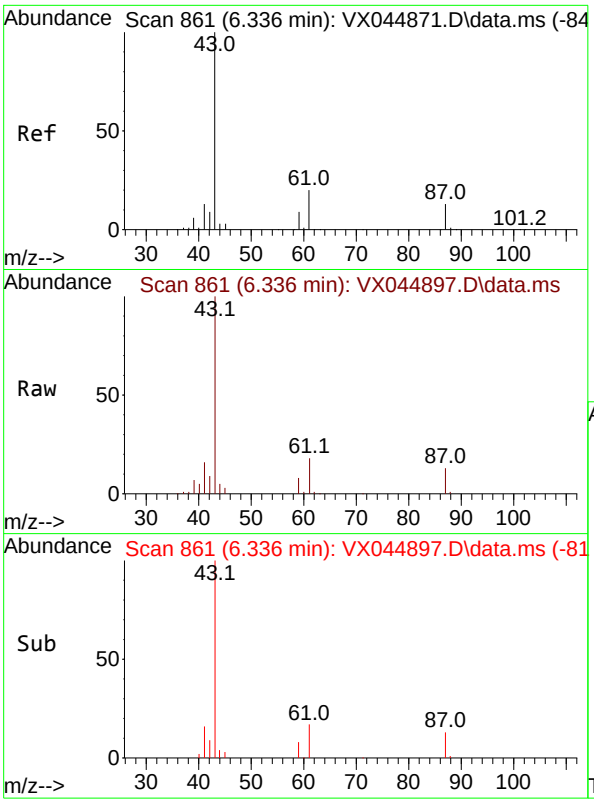


#42
1,2-Dichloroethane
Concen: 21.196 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 62 Resp: 41830

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4





#43
Isopropyl Acetate
Concen: 20.673 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 7363

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.8	23.8
87	12.2	10.0	15.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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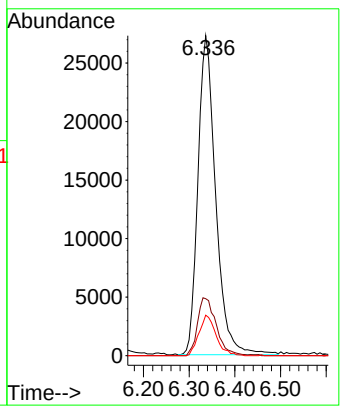
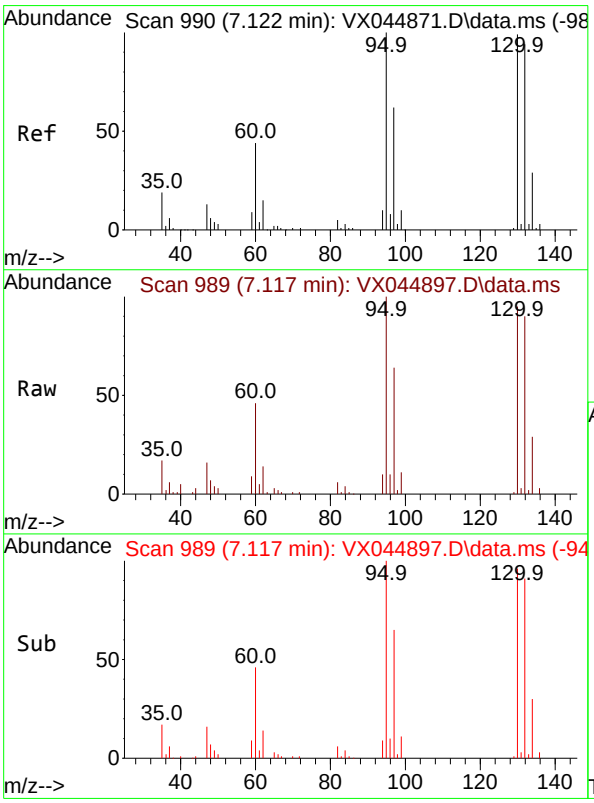
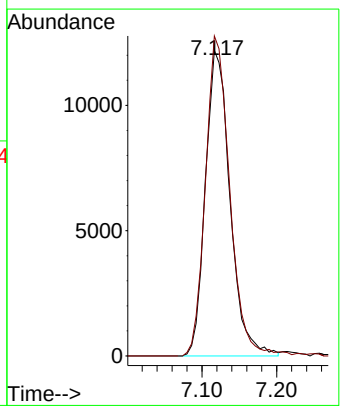


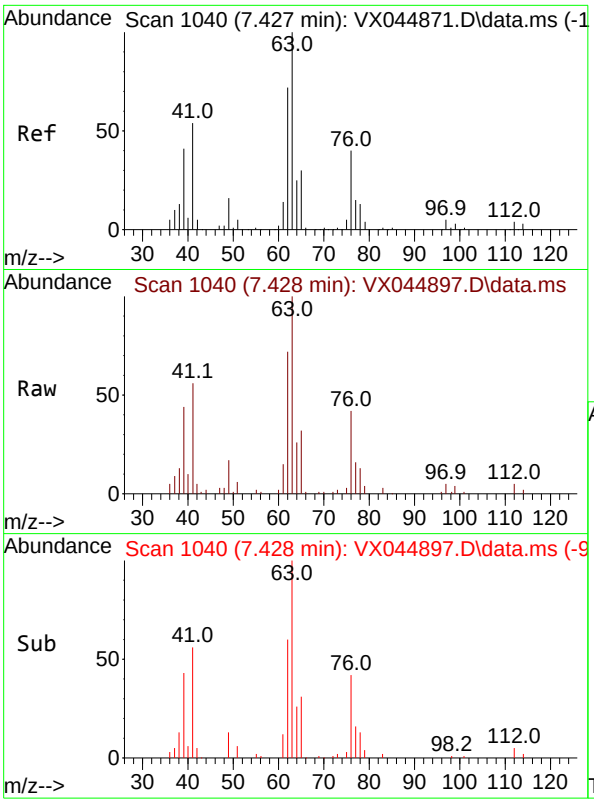


#44
Trichloroethene
Concen: 19.717 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:130 Resp: 27907

Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	202.4





#45
1,2-Dichloropropane
Concen: 20.358 ug/l
RT: 7.428 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 63 Resp: 3136

Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

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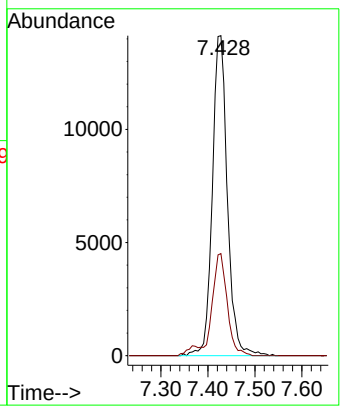
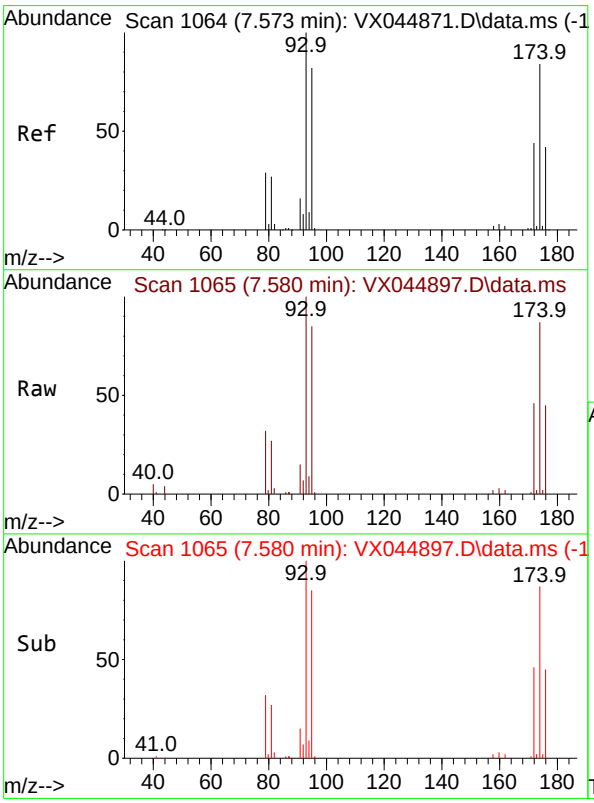
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

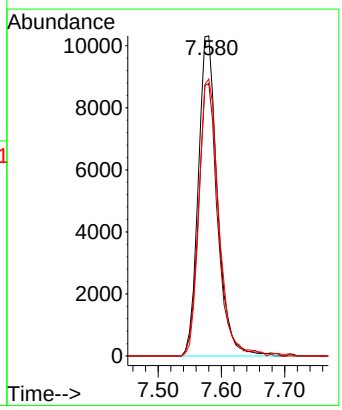


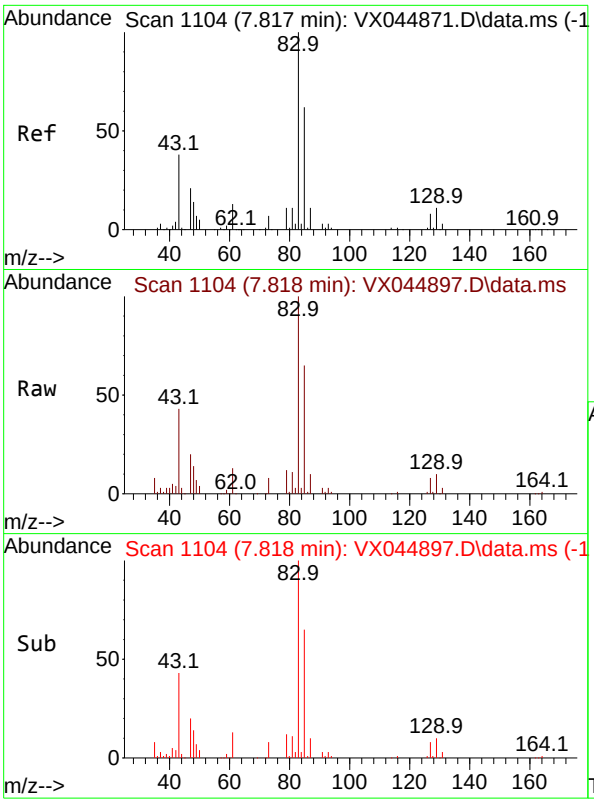


#46
Dibromomethane
Concen: 20.340 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 93 Resp: 21730

Ion	Ratio	Lower	Upper
93	100		
95	85.6	66.2	99.4
174	89.2	69.9	104.9





#47
Bromodichloromethane
Concen: 20.786 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 83 Resp: 4299

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.0	75.0
127	7.7	6.4	9.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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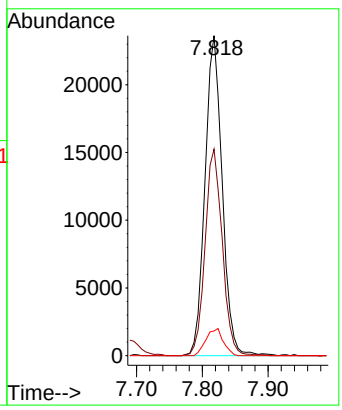
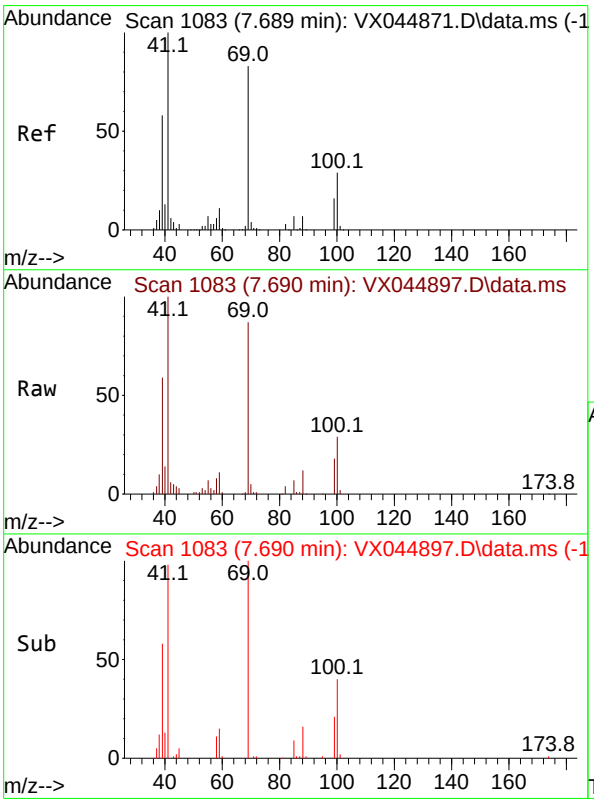
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

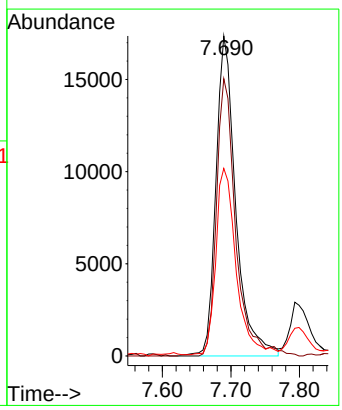


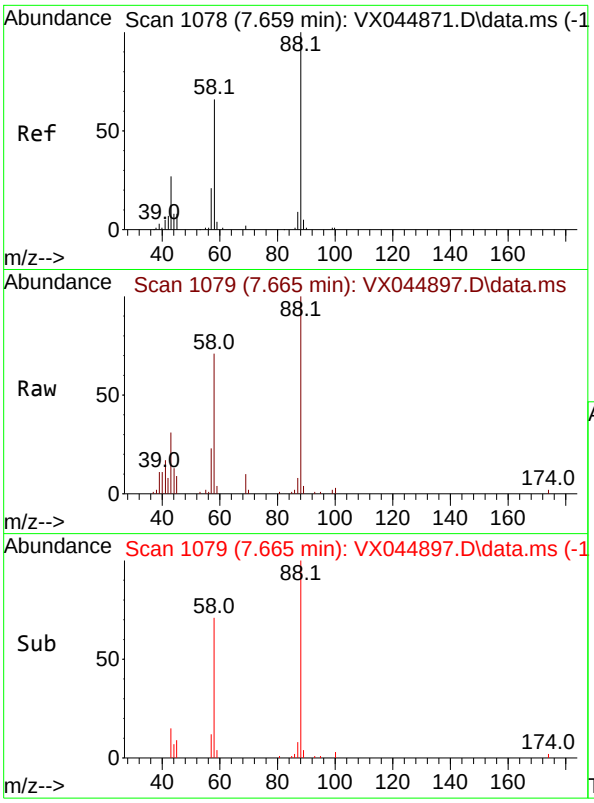


#48
Methyl methacrylate
Concen: 20.774 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 41 Resp: 34888

Ion	Ratio	Lower	Upper
41	100		
69	83.8	65.8	98.8
39	59.9	46.4	69.6





#49
1,4-Dioxane
Concen: 407.387 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 88 Resp: 1467

Ion	Ratio	Lower	Upper
88	100		
43	35.1	26.6	39.8
58	70.5	55.9	83.9

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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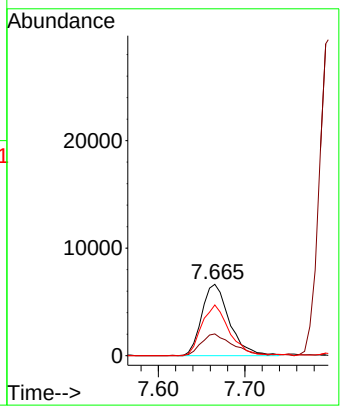
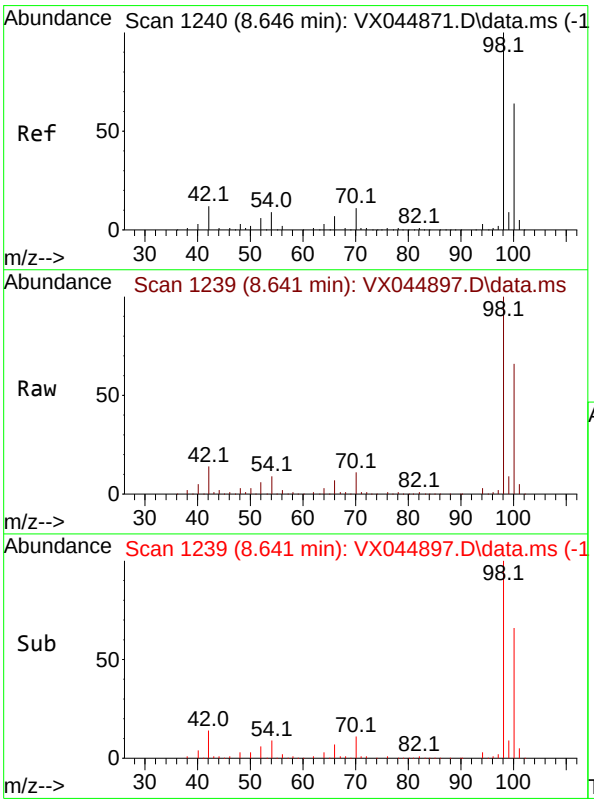
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

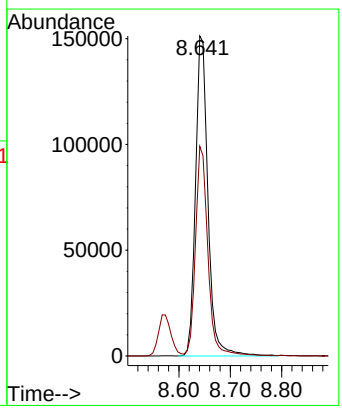


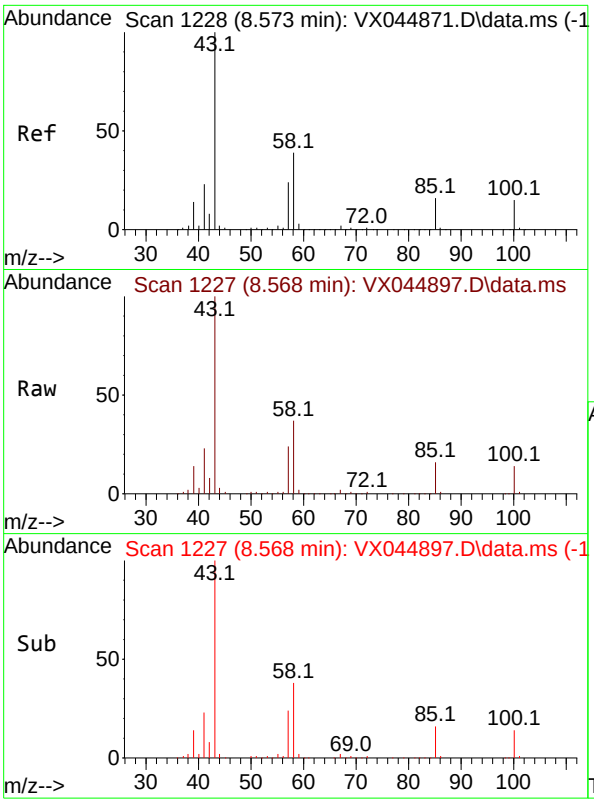


#50
Toluene-d8
Concen: 49.019 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 98 Resp: 254774

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 108.010 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 23388

Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.8	46.2

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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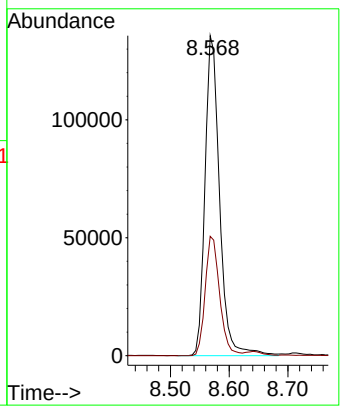
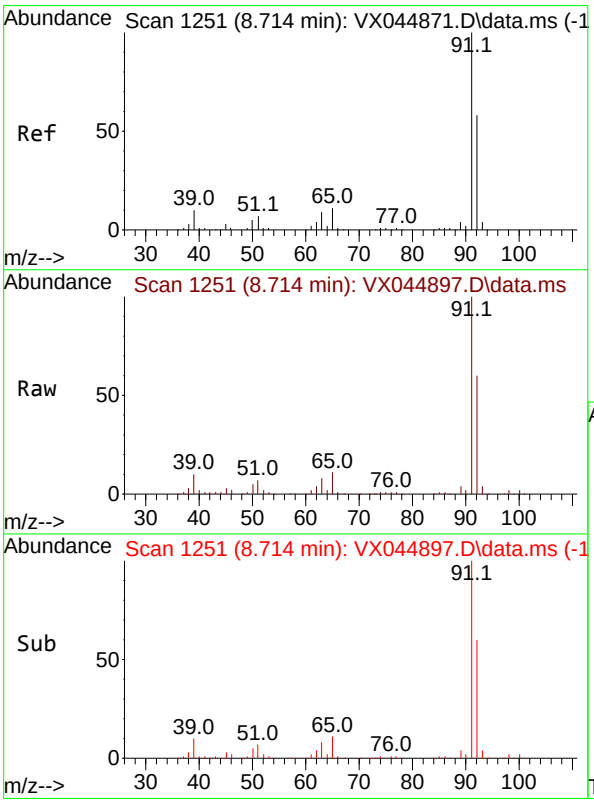
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

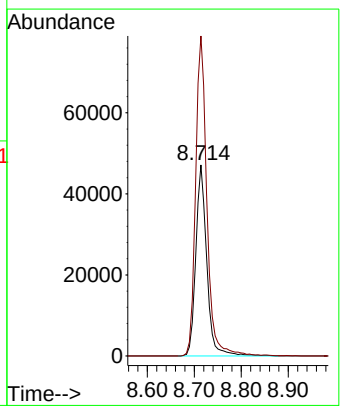


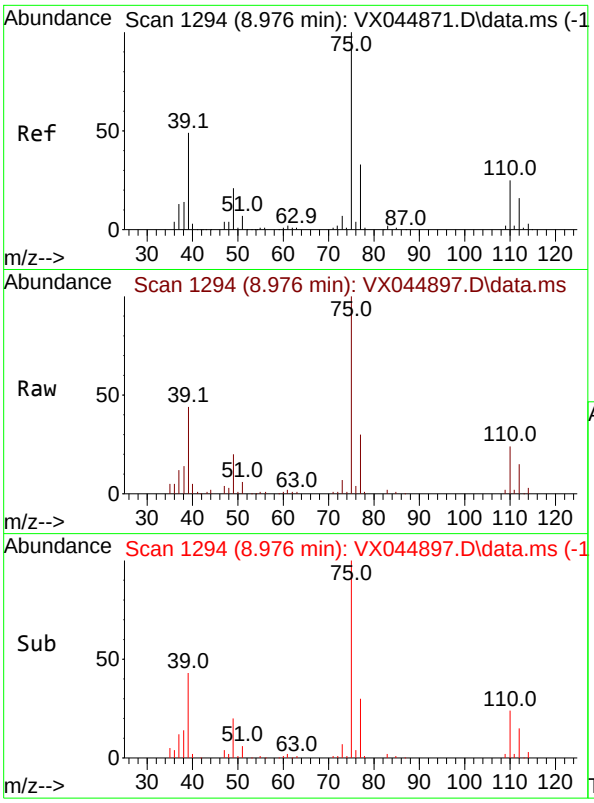


#52
Toluene
Concen: 20.859 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 92 Resp: 76922

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.4	206.2





#53
t-1,3-Dichloropropene
Concen: 20.031 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 75 Resp: 4193

Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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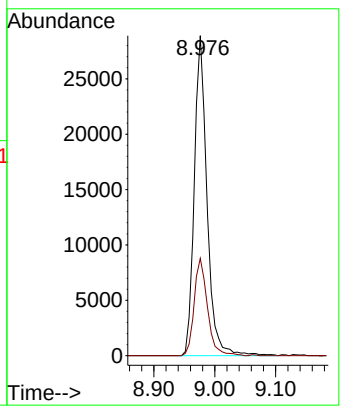
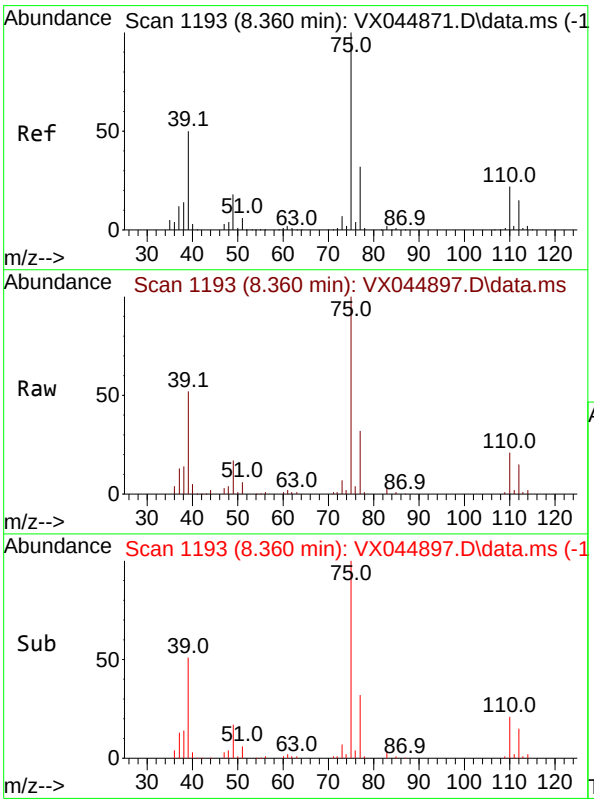
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

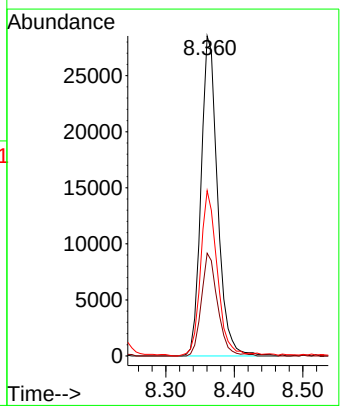


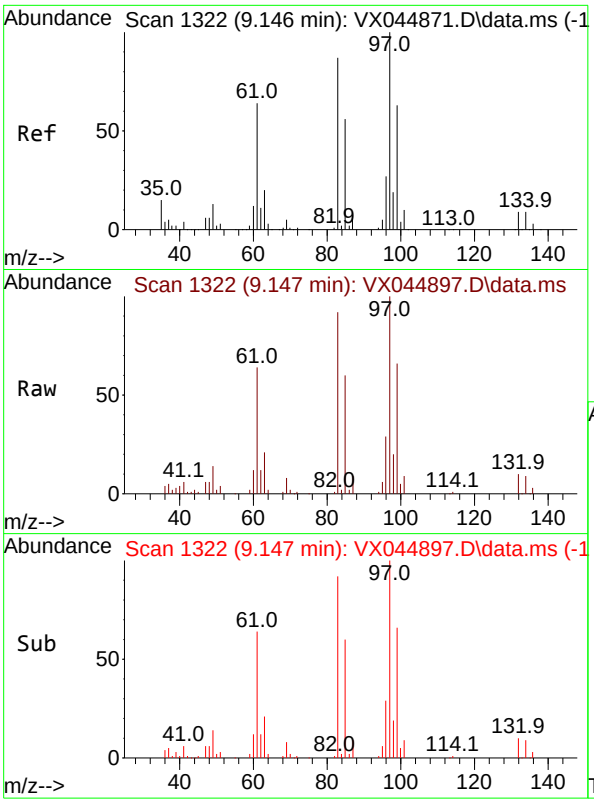


#54
cis-1,3-Dichloropropene
Concen: 20.513 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 75 Resp: 47877

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9
39	51.7	40.0	60.0





#55
1,1,2-Trichloroethane
Concen: 21.290 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

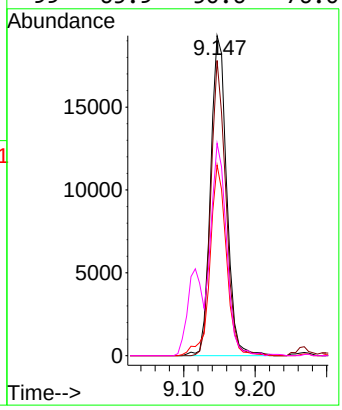
Tgt Ion: 97 Resp: 3018

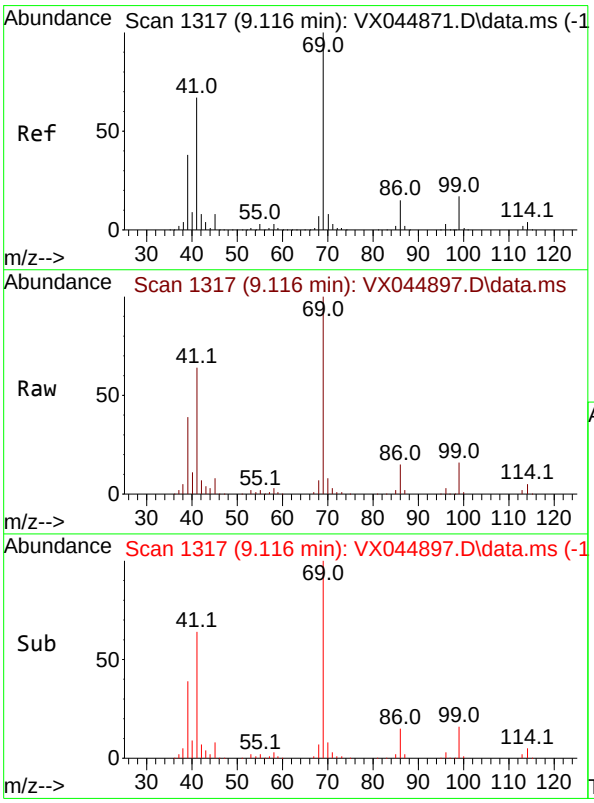
Ion	Ratio	Lower	Upper
97	100		
83	92.3	69.8	104.6
85	59.6	44.8	67.2
99	65.9	50.6	76.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

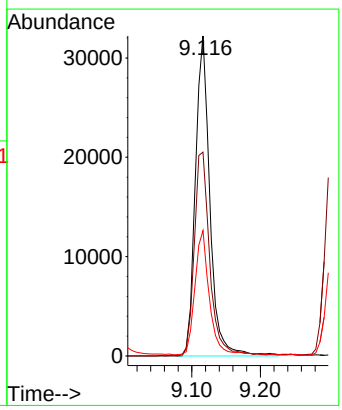


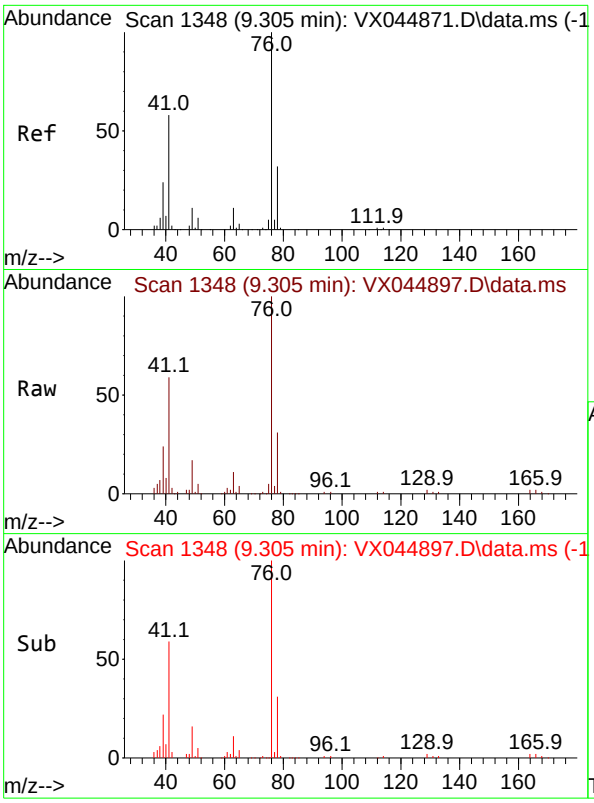


#56
Ethyl methacrylate
Concen: 20.773 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 69 Resp: 47561

Ion	Ratio	Lower	Upper
69	100		
41	68.5	55.2	82.8
39	39.0	30.8	46.2





#57
1,3-Dichloropropane
Concen: 20.832 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

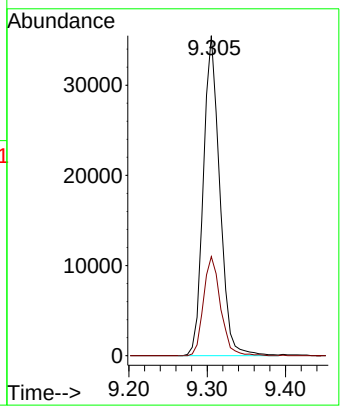
Tgt Ion: 76 Resp: 5167

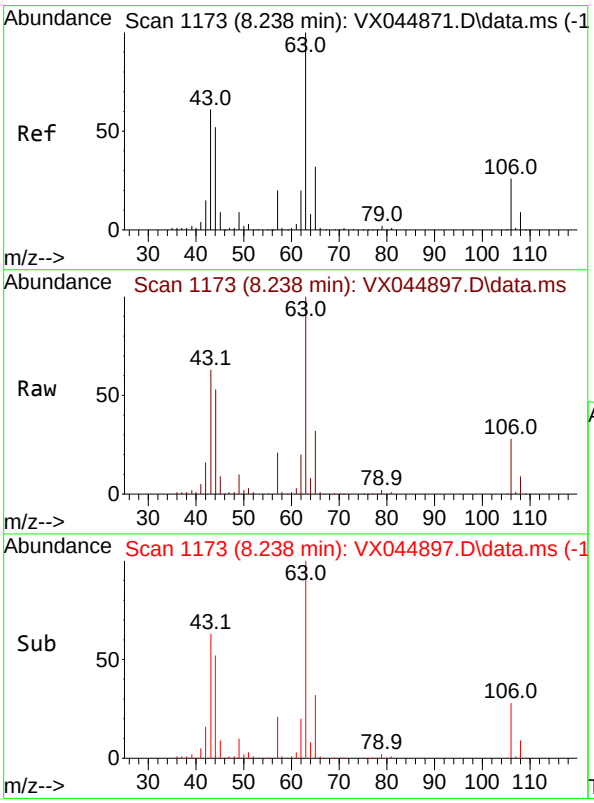
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

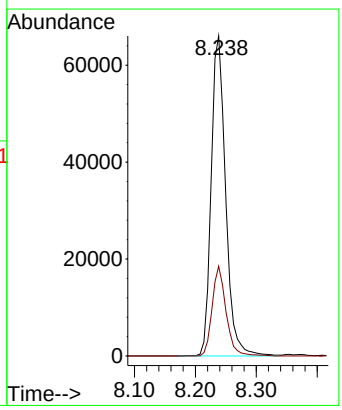


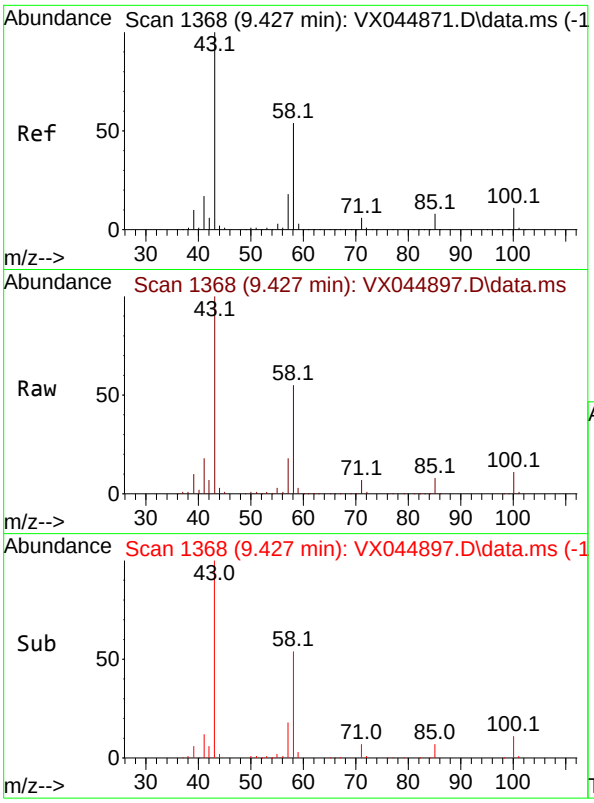


#58
2-Chloroethyl Vinyl ether
Concen: 96.512 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 63 Resp: 108500

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.3	31.9





#59
2-Hexanone
Concen: 107.751 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 16811

Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.5	82.4

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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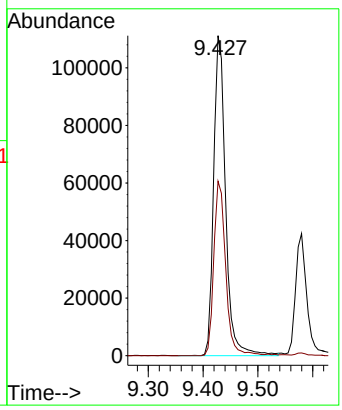
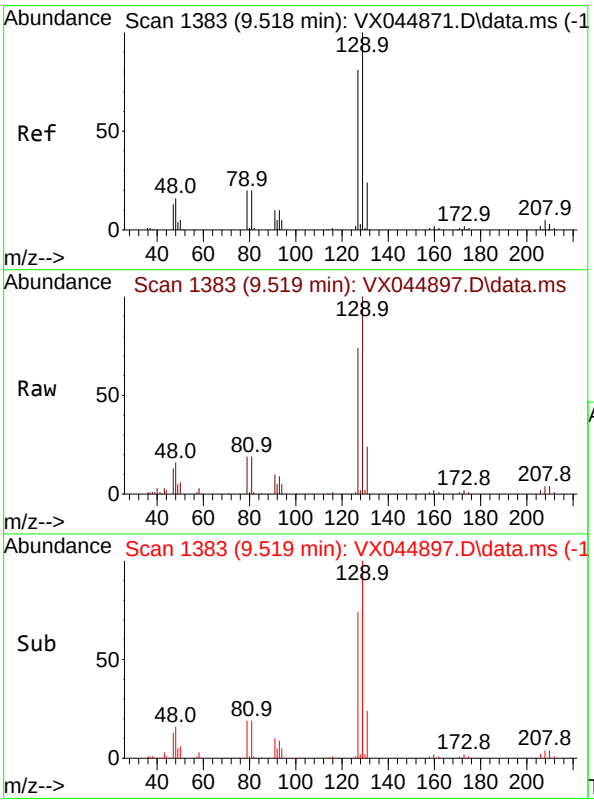
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

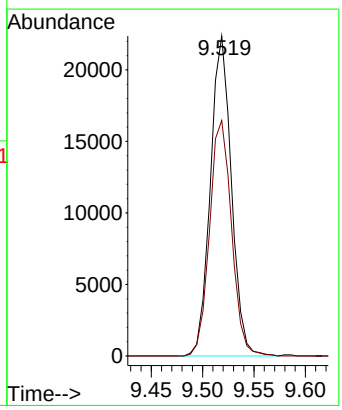


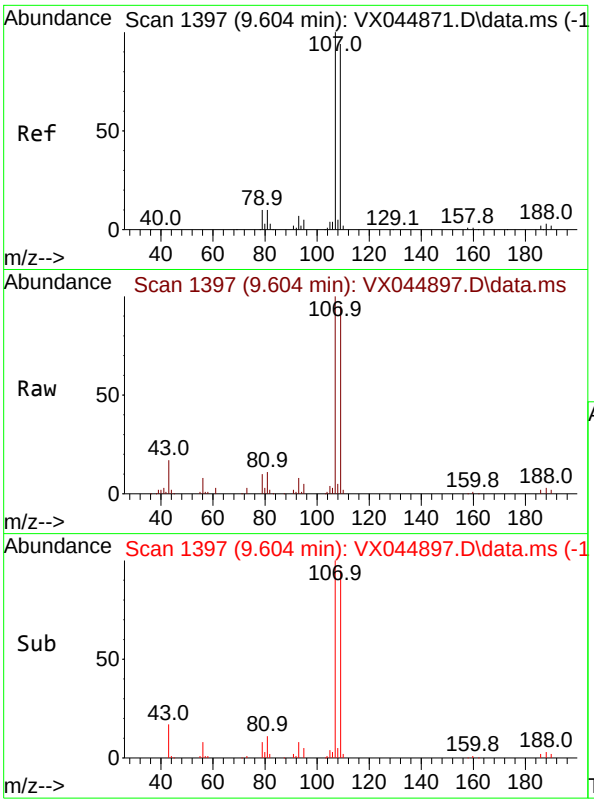


#60
Dibromochloromethane
Concen: 20.976 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:129 Resp: 31801

Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.1	117.3





#61
1,2-Dibromoethane
Concen: 20.999 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:107 Resp: 3017

Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.9	113.9

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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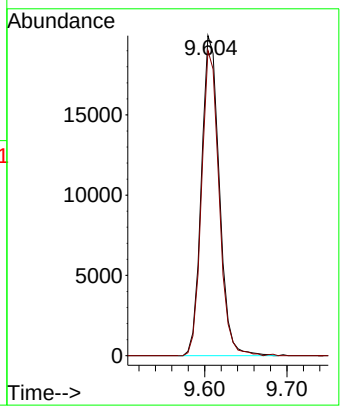
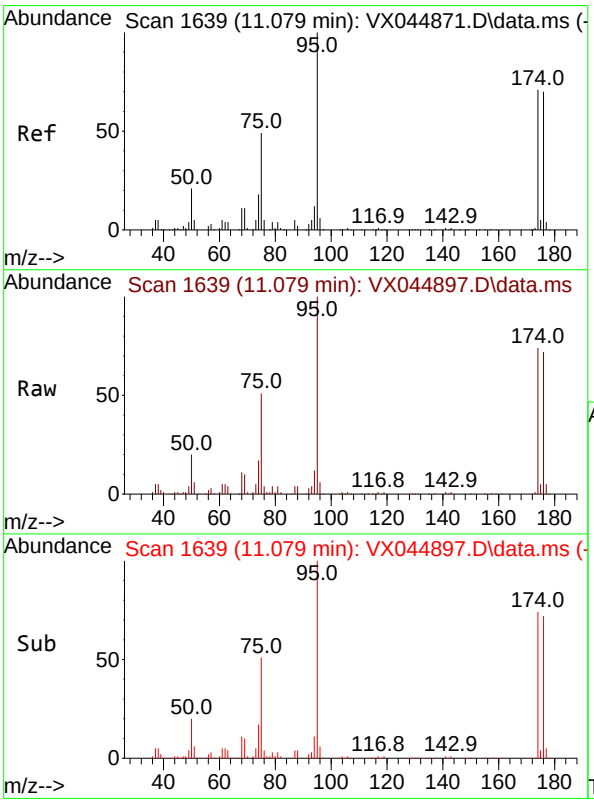
Supervised By :Mahesh Dadoda 02/12/2025

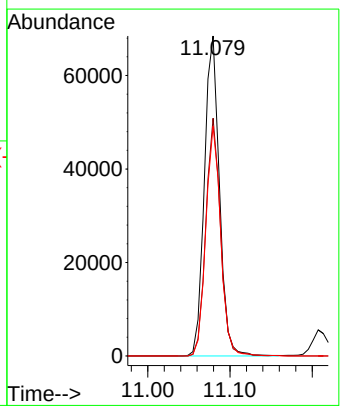


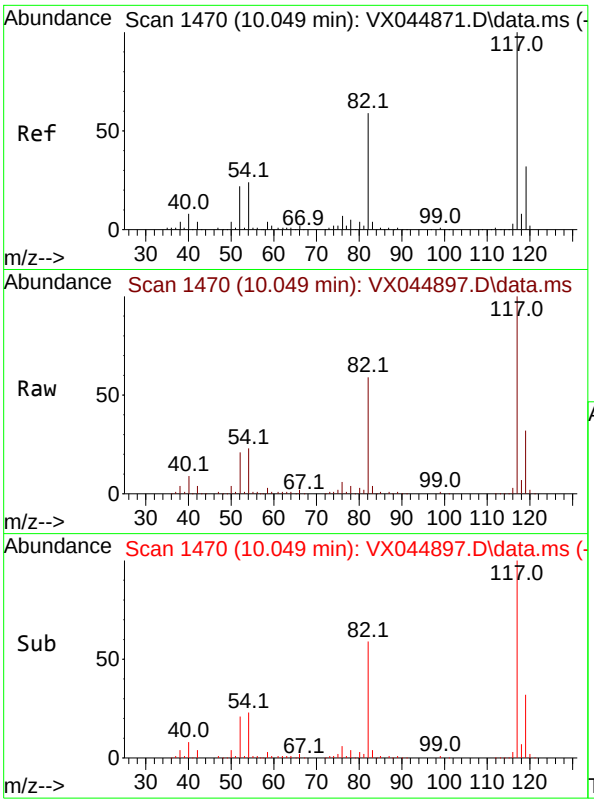


#62
4-Bromofluorobenzene
Concen: 49.646 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 95 Resp: 86989

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	142.6
176	70.8	0.0	141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:117 Resp: 18633

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.5	71.3
119	32.3	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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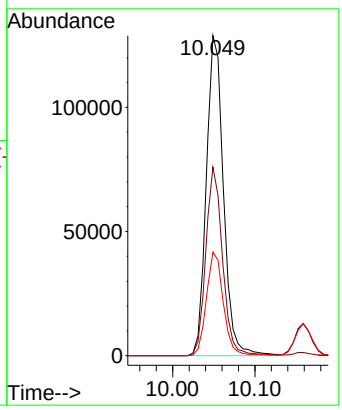
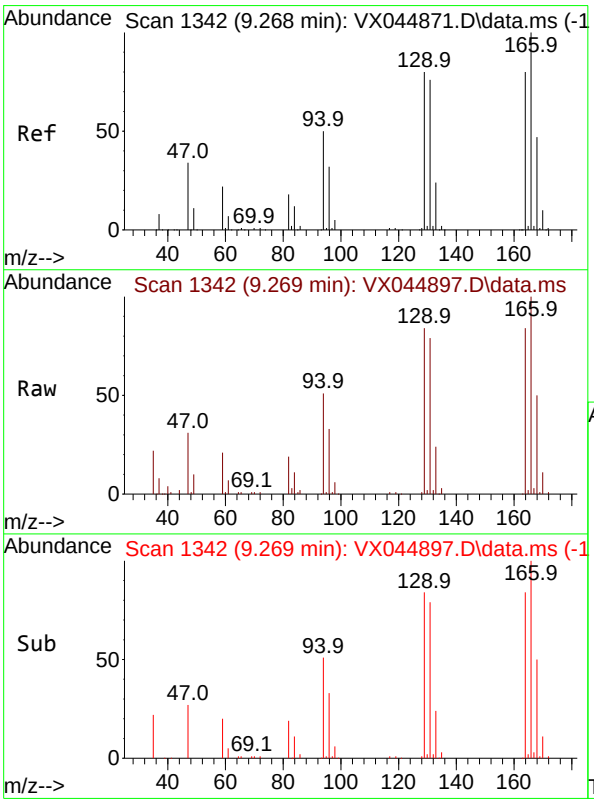
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

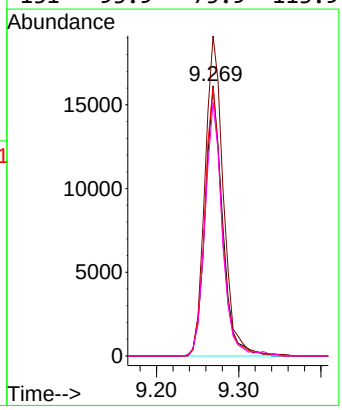


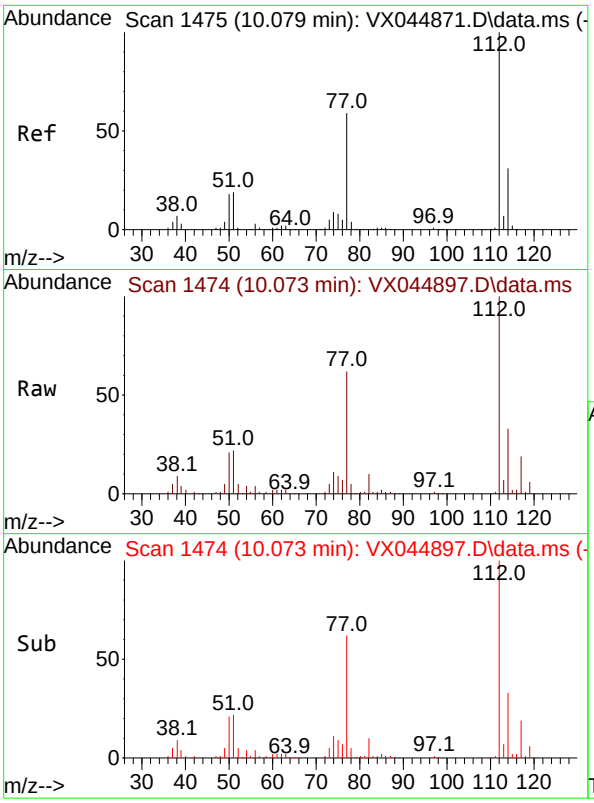


#64
Tetrachloroethene
Concen: 19.978 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:164 Resp: 23477

Ion	Ratio	Lower	Upper
164	100		
166	118.5	100.4	150.6
129	99.7	79.9	119.9
131	93.9	75.9	113.9





#65
Chlorobenzene
Concen: 20.314 ug/l
RT: 10.073 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:112 Resp: 8130

Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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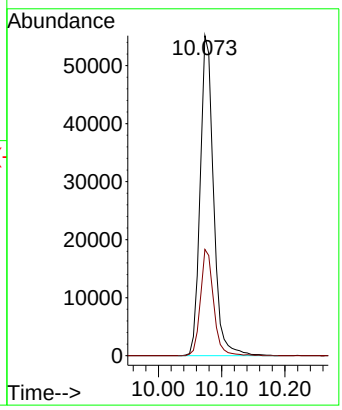
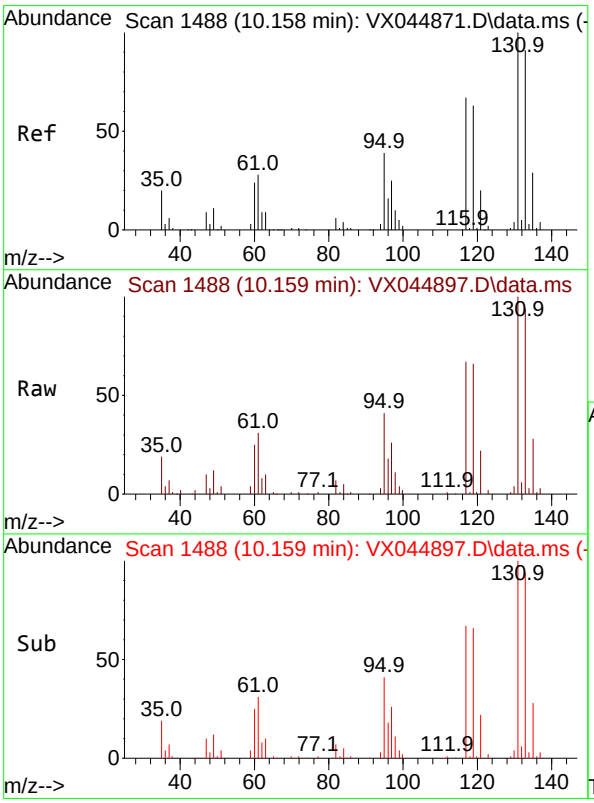
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

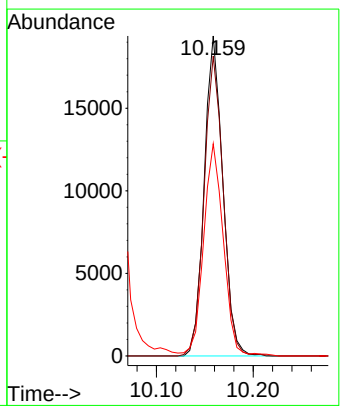


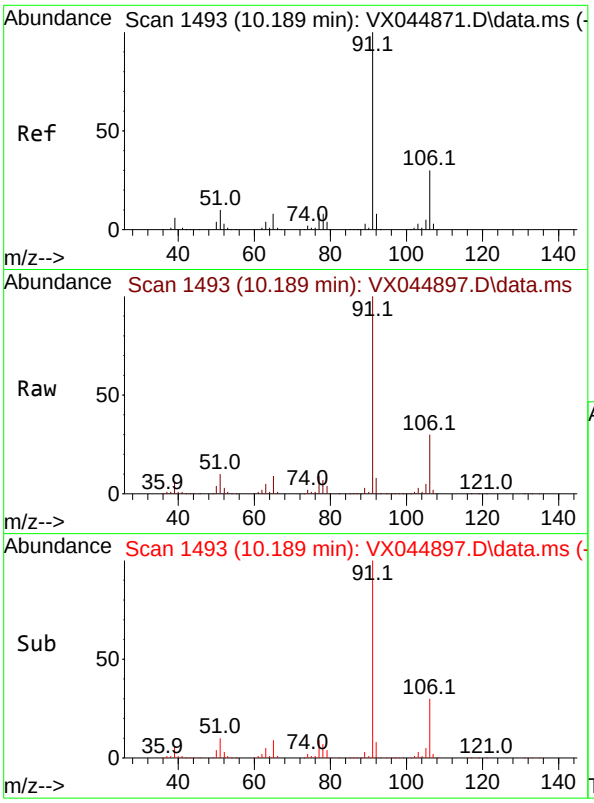


#66
1,1,1,2-Tetrachloroethane
Concen: 20.152 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:131 Resp: 25959

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.1	141.3
119	70.3	33.6	100.6





#67
Ethyl Benzene
Concen: 20.515 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 91 Resp: 14488

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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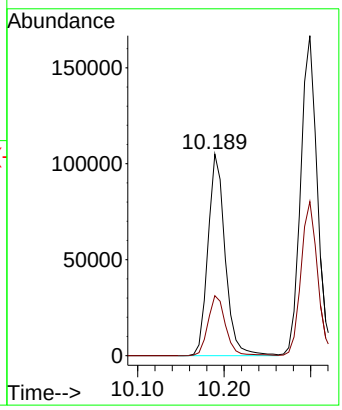
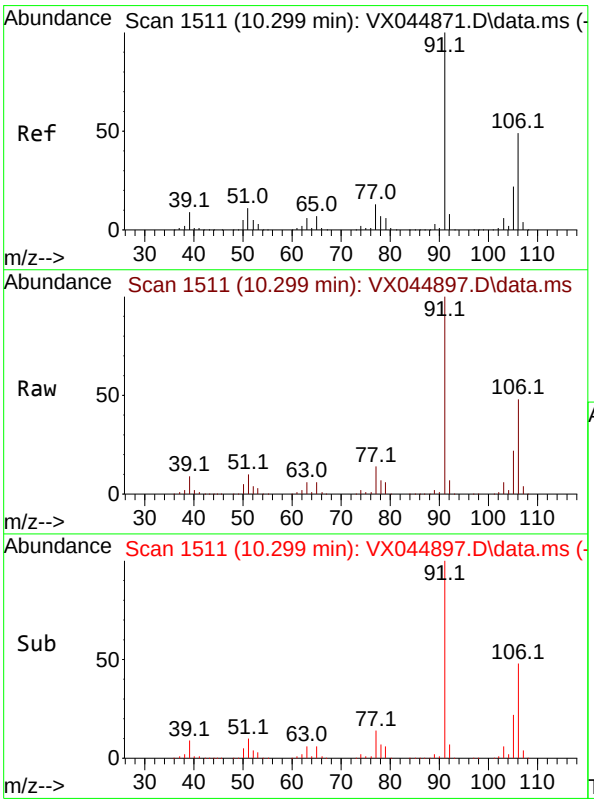
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

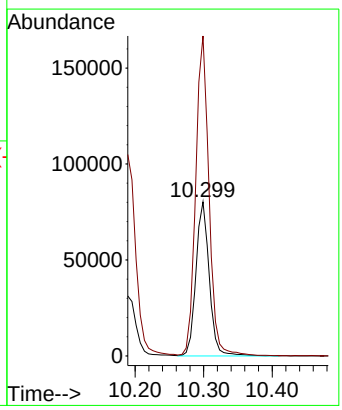


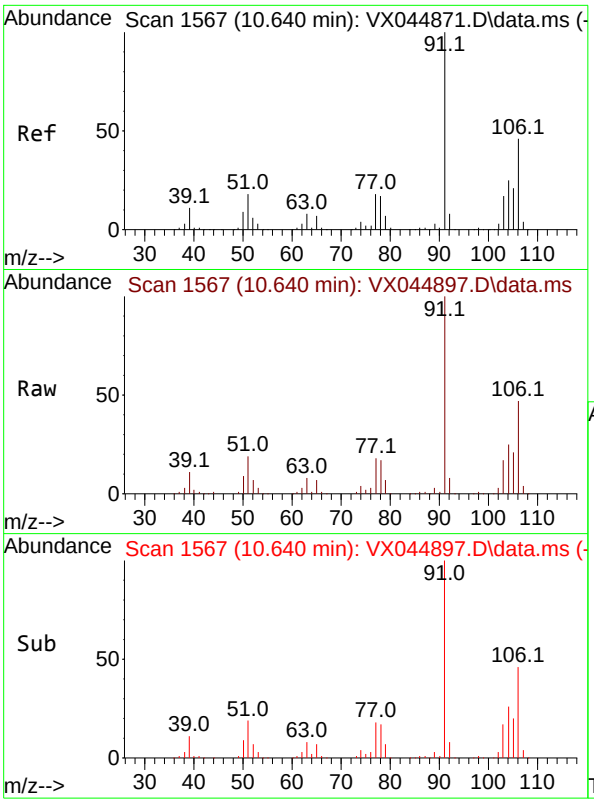


#68
m/p-Xylenes
Concen: 41.738 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:106 Resp: 108740

Ion	Ratio	Lower	Upper
106	100		
91	207.1	164.3	246.5





#69
o-Xylene
Concen: 20.464 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:106 Resp: 5349

Ion	Ratio	Lower	Upper
106	100		
91	220.4	108.5	325.5

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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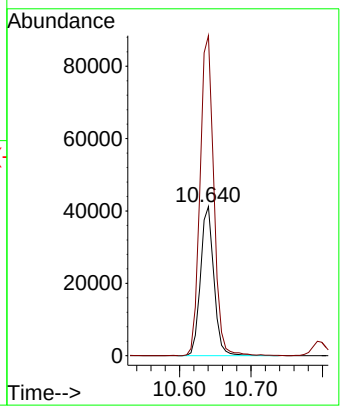
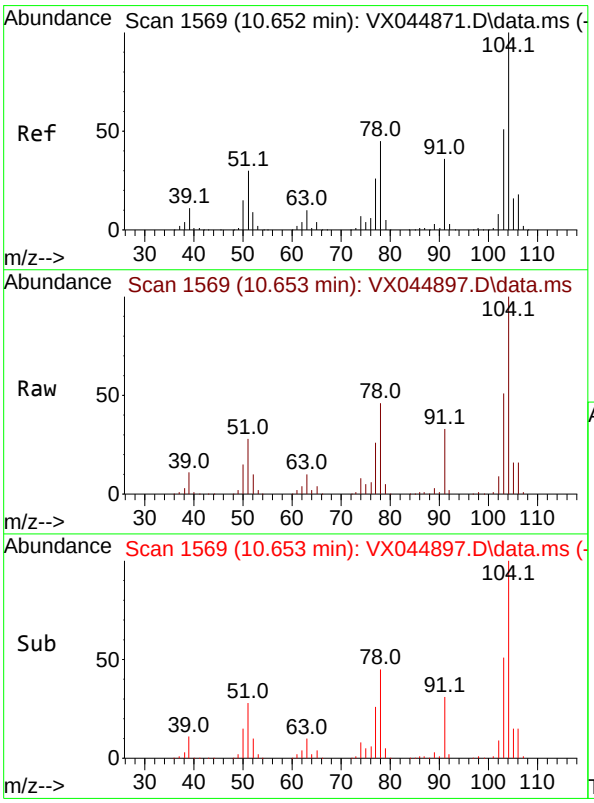
Supervised By :Mahesh Dadoda 02/12/2025

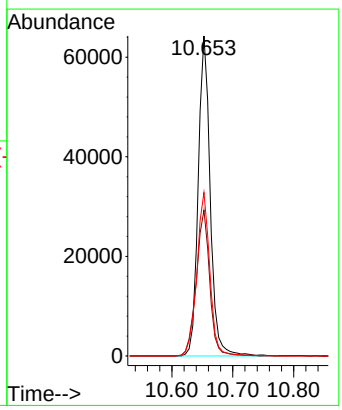


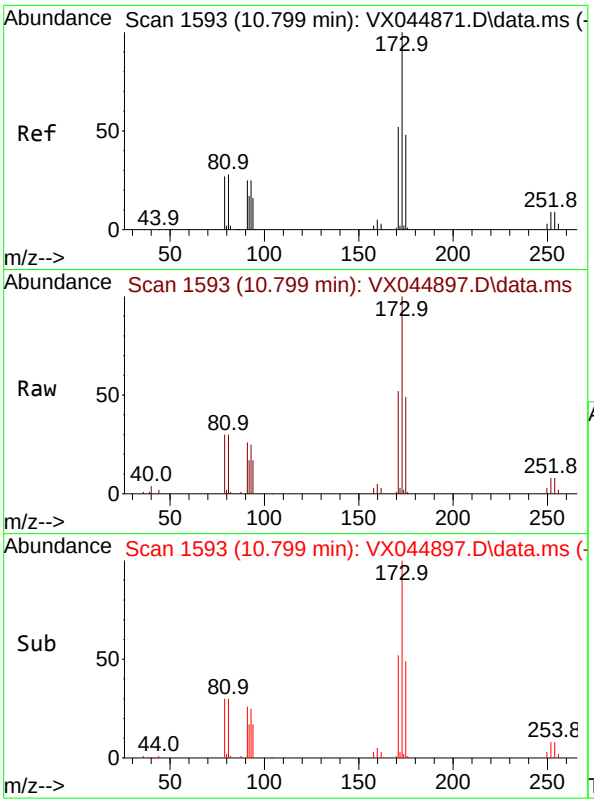


#70
Styrene
Concen: 20.896 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:104 Resp: 88009

Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.5	60.7
103	55.6	43.6	65.4





#71
Bromoform
Concen: 20.357 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:173 Resp: 1957

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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Reviewed By :John Carlone 02/12/2025
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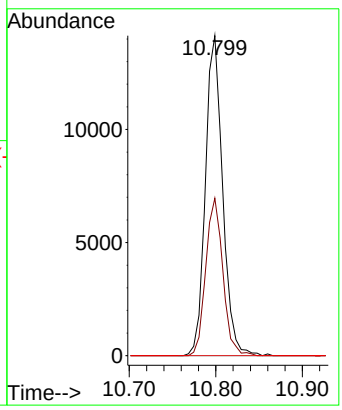
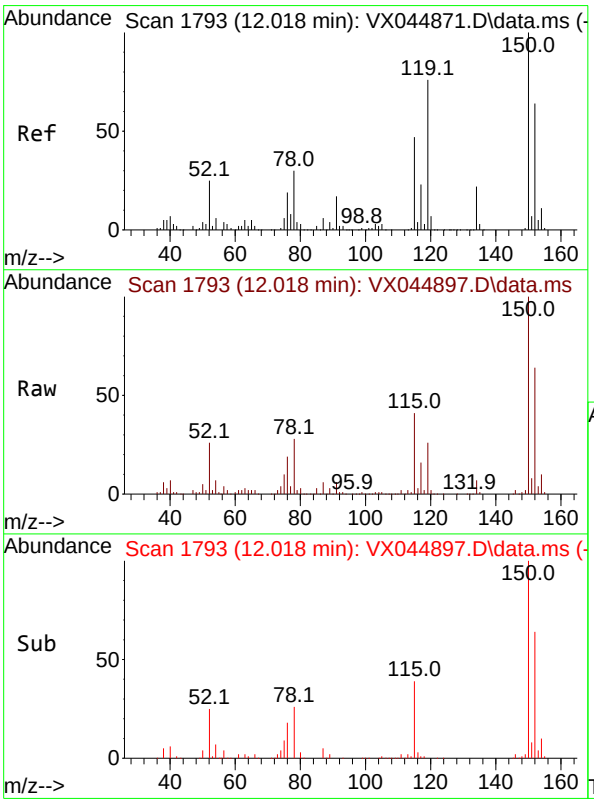
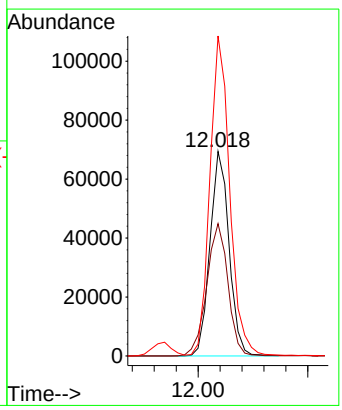


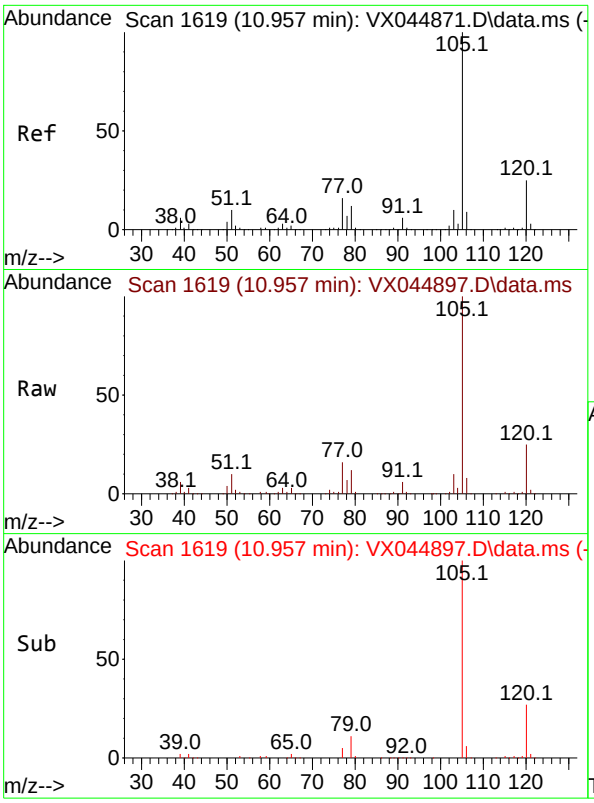


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:152 Resp: 83644

Ion	Ratio	Lower	Upper
152	100		
115	72.1	43.4	130.1
150	163.2	0.0	350.4





#73
Isopropylbenzene
Concen: 20.488 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:105 Resp: 13798

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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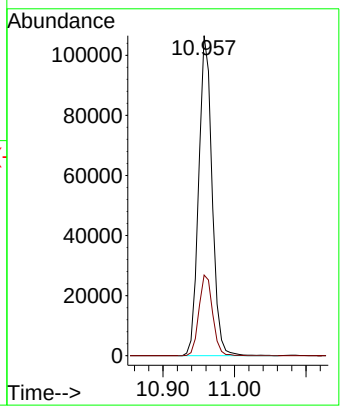
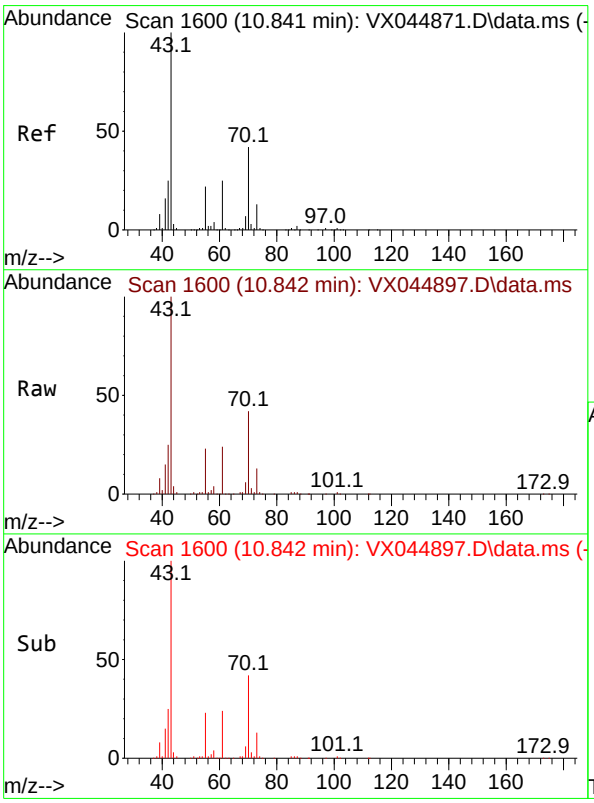
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

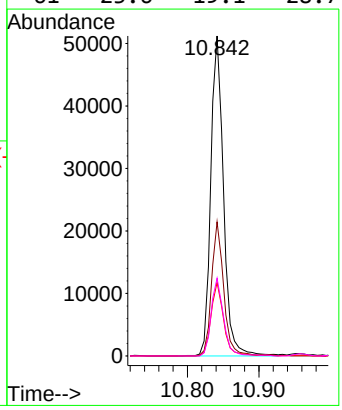


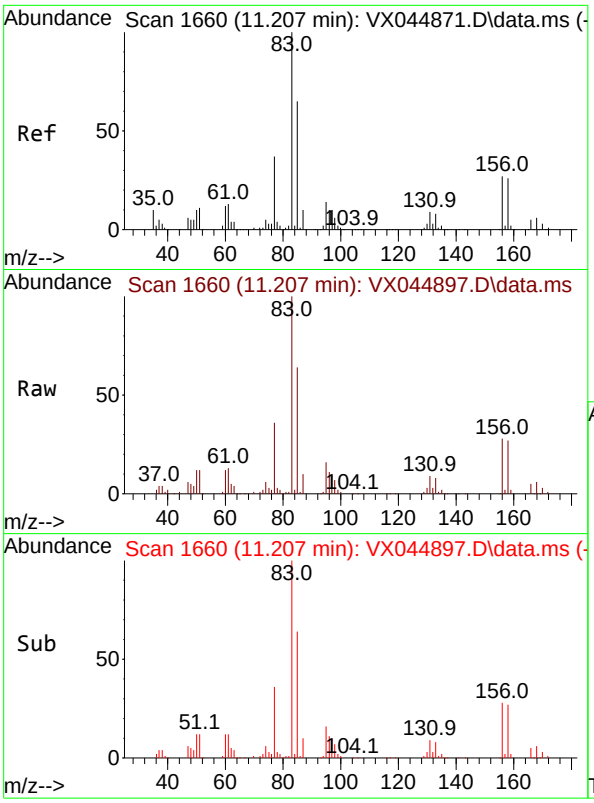


#74
N-amyl acetate
Concen: 20.774 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 63313

Ion	Ratio	Lower	Upper
43	100		
70	40.3	33.7	50.5
55	22.5	18.6	27.8
61	23.6	19.1	28.7





#75
1,1,2,2-Tetrachloroethane
Concen: 20.381 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

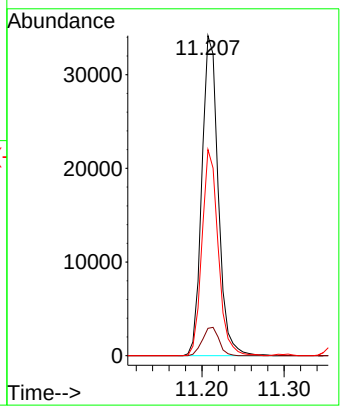
Tgt Ion: 83 Resp: 4716

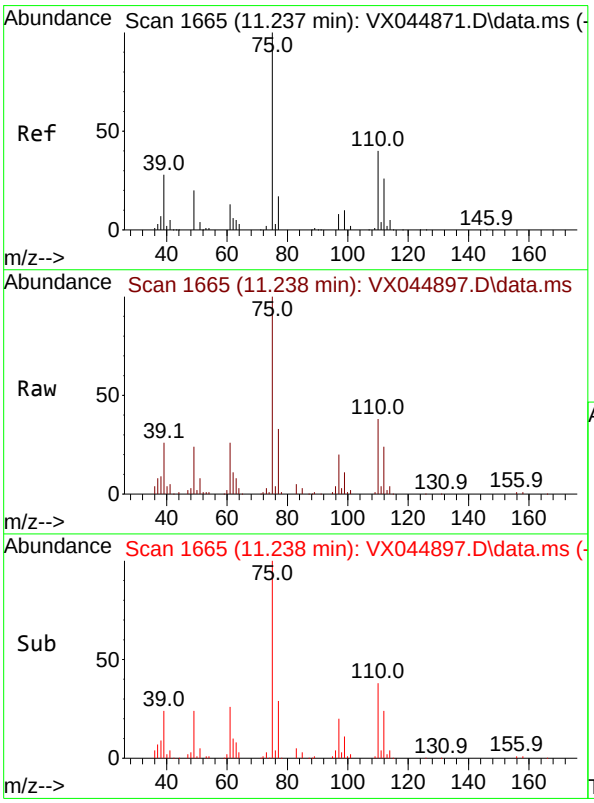
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.5
85	64.0	32.3	96.8

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

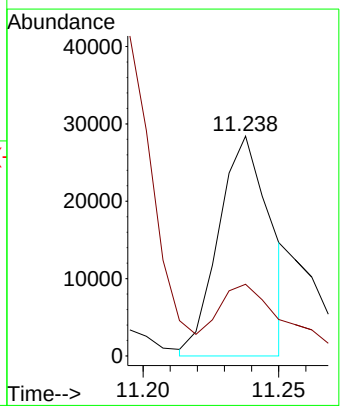


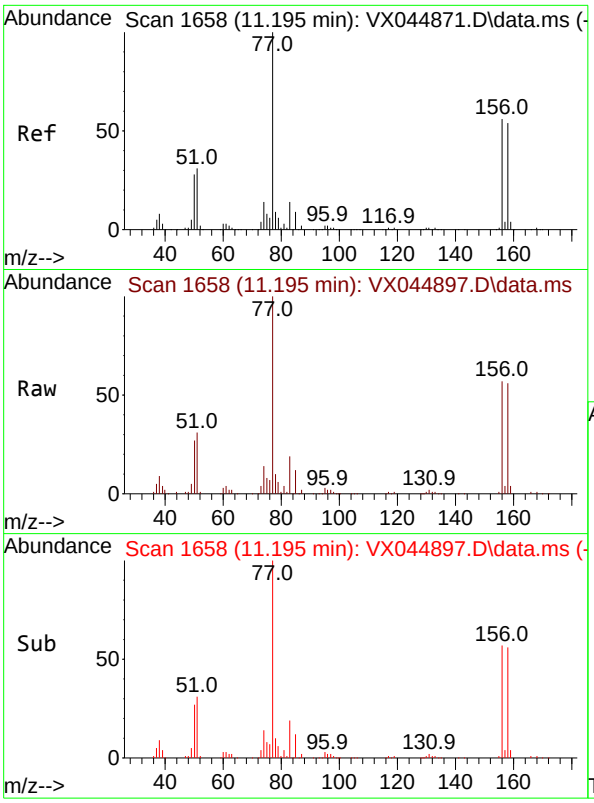


#76
1,2,3-Trichloropropane
Concen: 20.169 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 75 Resp: 37404

Ion	Ratio	Lower	Upper
75	100		
77	43.2	21.9	65.7





#77
Bromobenzene
Concen: 20.605 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:156 Resp: 3146

Ion	Ratio	Lower	Upper
156	100		
77	168.3	88.4	265.3
158	95.7	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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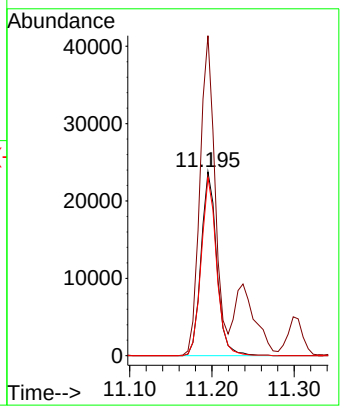
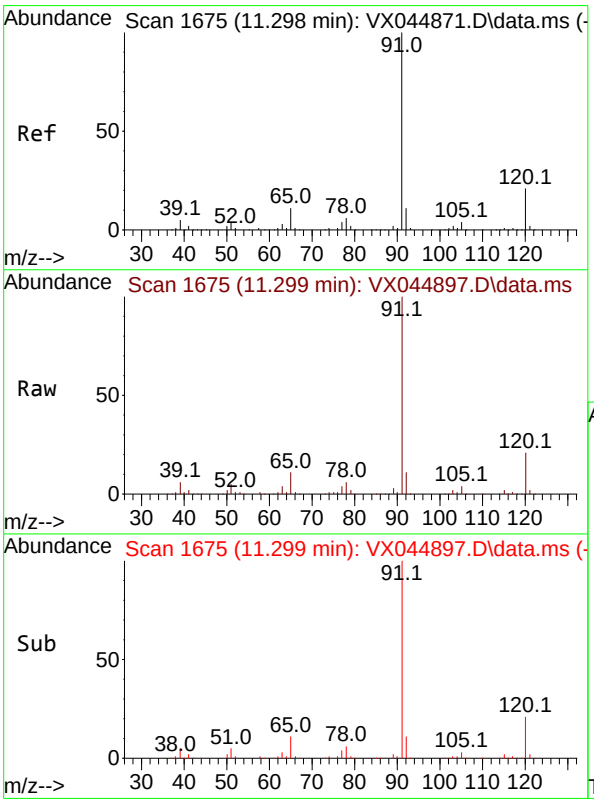
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

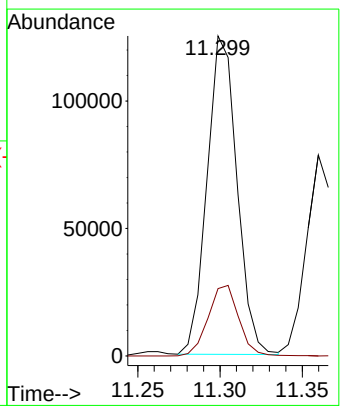


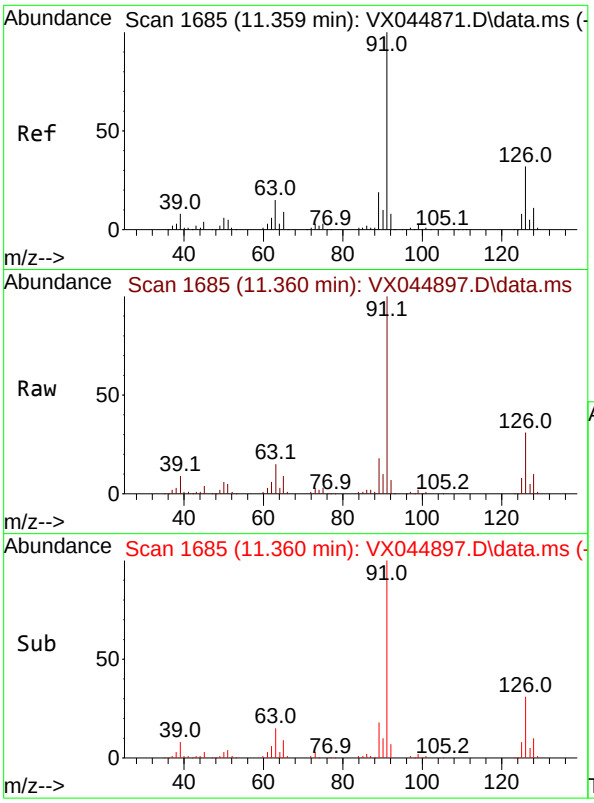


#78
n-propylbenzene
Concen: 20.300 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 91 Resp: 157806

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.3





#79
2-Chlorotoluene
Concen: 20.179 ug/l
RT: 11.360 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 91 Resp: 9641(

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.2	48.6

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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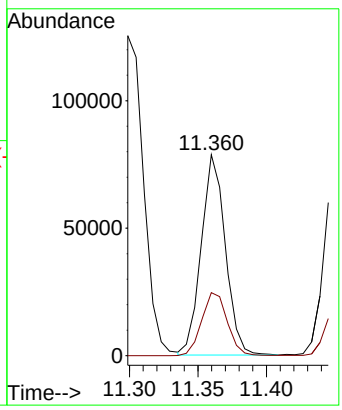
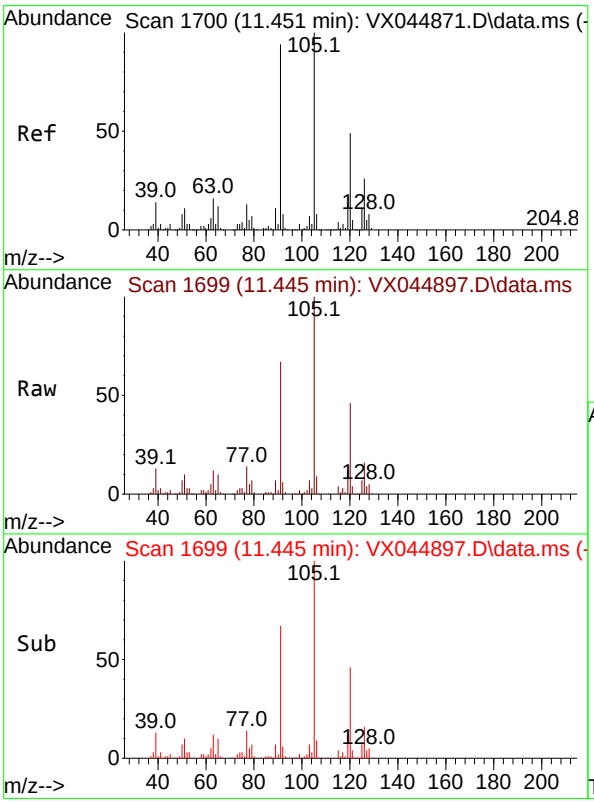
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

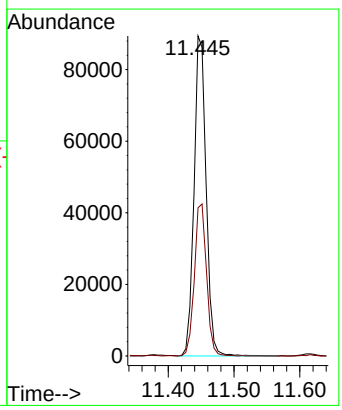


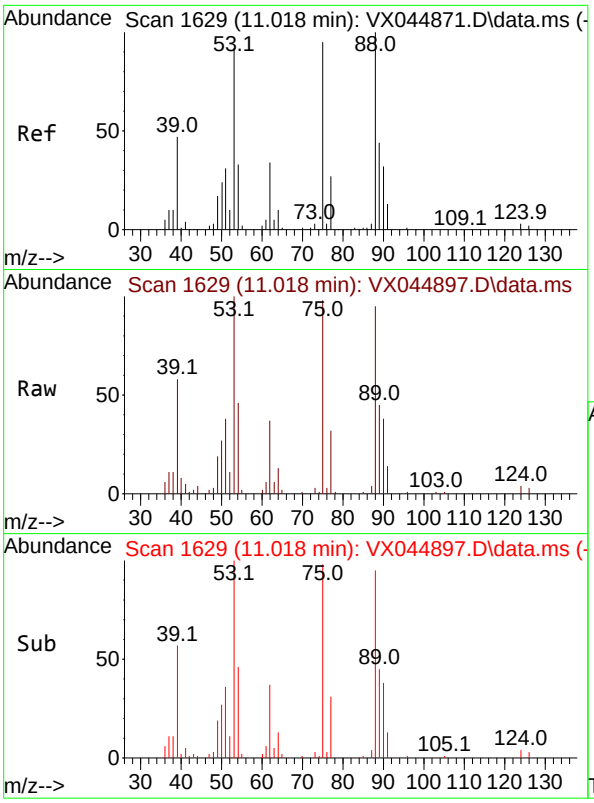


#80
1,3,5-Trimethylbenzene
Concen: 20.797 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:105 Resp: 113664

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 18.351 ug/l
RT: 11.018 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 75 Resp: 1323(

Ion	Ratio	Lower	Upper
75	100		
53	106.1	78.0	117.0
89	44.8	36.6	54.8

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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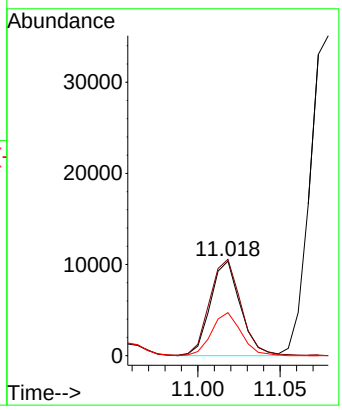
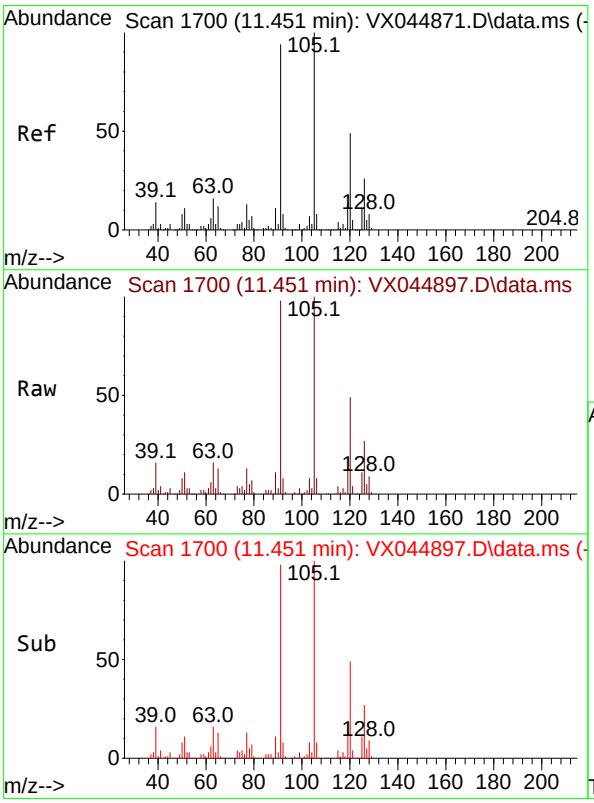
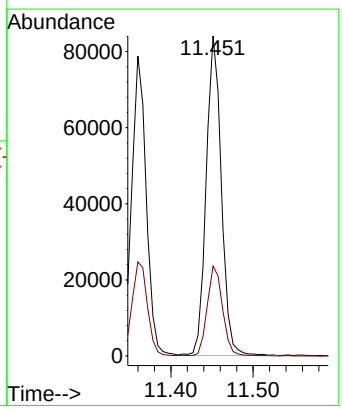


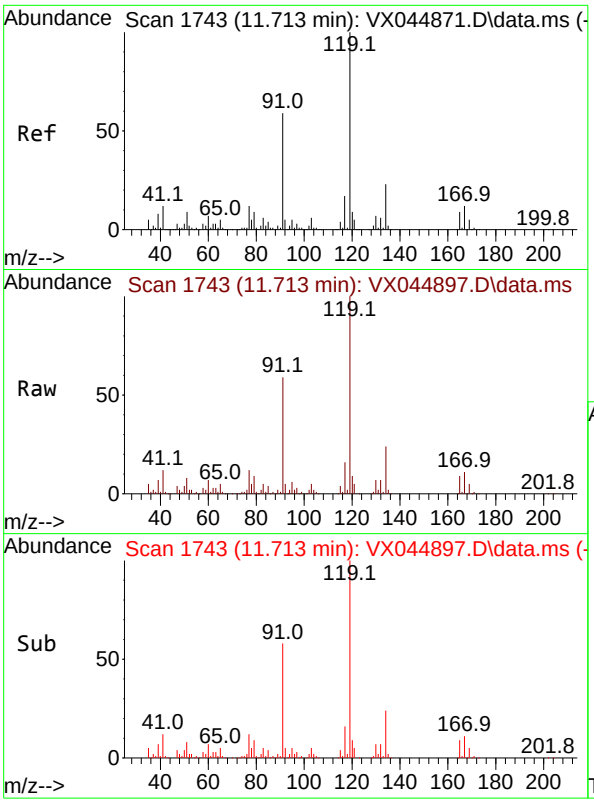


#82
4-Chlorotoluene
Concen: 20.331 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 91 Resp: 107461

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6





#83
tert-Butylbenzene
Concen: 20.520 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:119 Resp: 11345

Ion	Ratio	Lower	Upper
119	100		
91	58.0	29.1	87.4
134	24.1	11.5	34.5

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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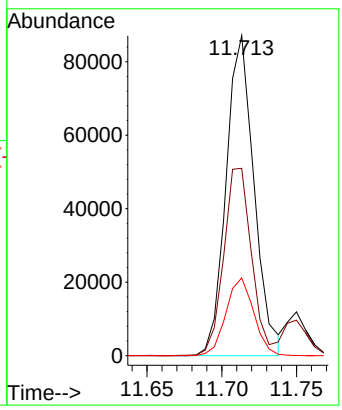
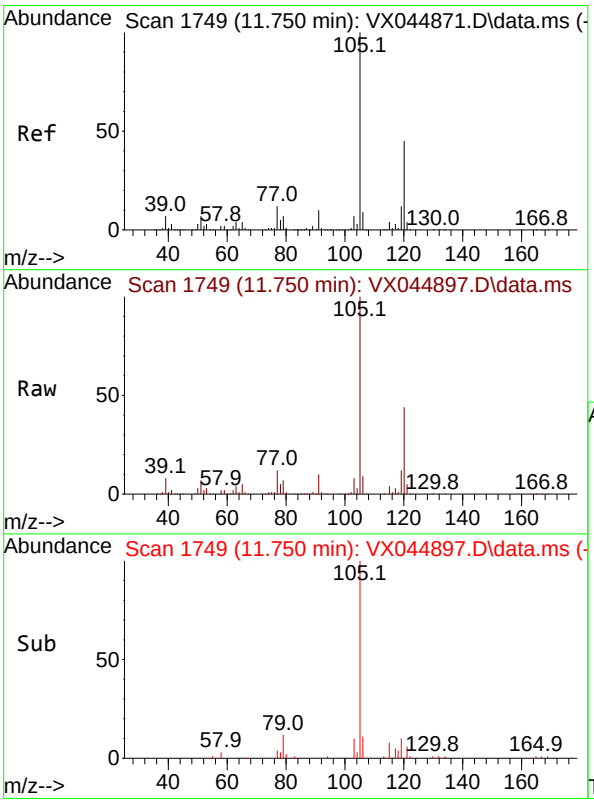
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

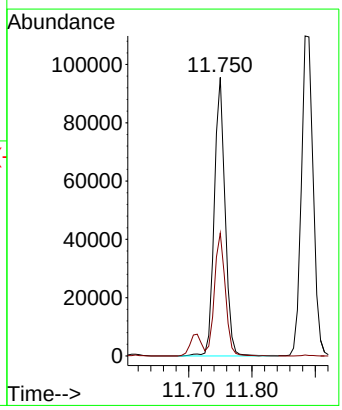


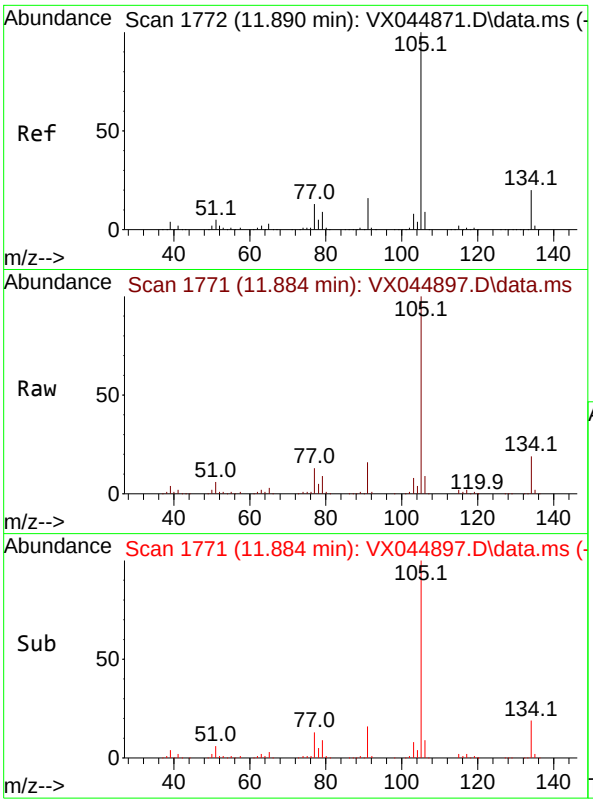


#84
1,2,4-Trimethylbenzene
Concen: 20.996 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:105 Resp: 113257

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.0





#85
sec-Butylbenzene
Concen: 20.693 ug/l
RT: 11.884 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:105 Resp: 14167

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.3

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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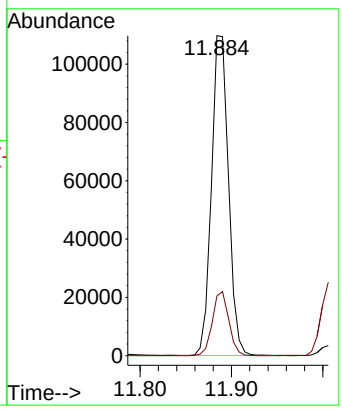
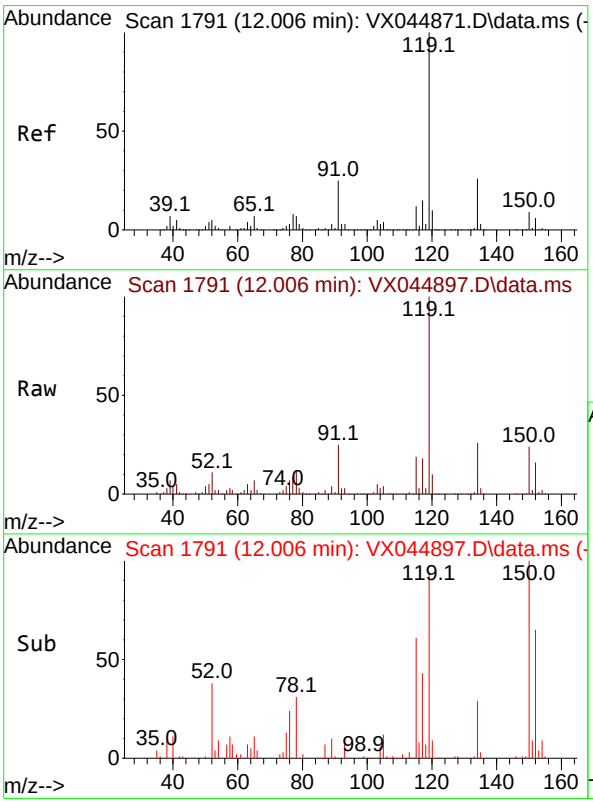
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

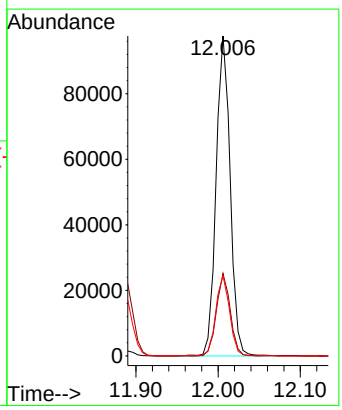


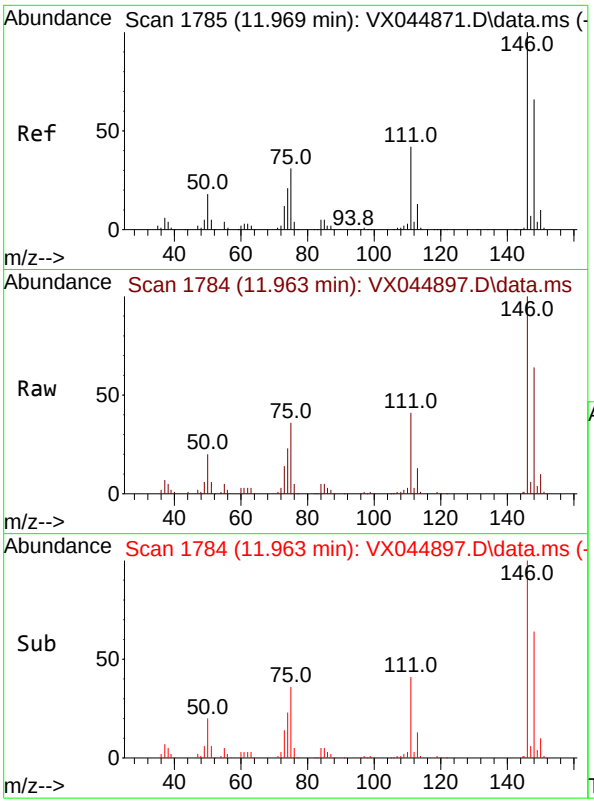


#86
p-Isopropyltoluene
Concen: 21.047 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:119 Resp: 115883

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	38.9
91	24.7	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 20.087 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:146 Resp: 5640

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.2	63.6
148	63.4	32.5	97.5

Manual Integrations
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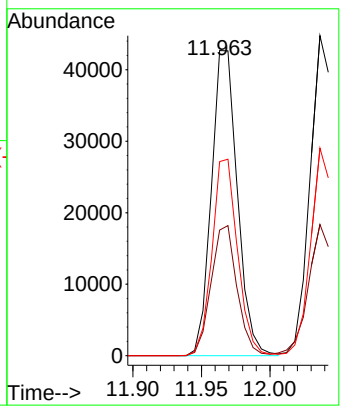
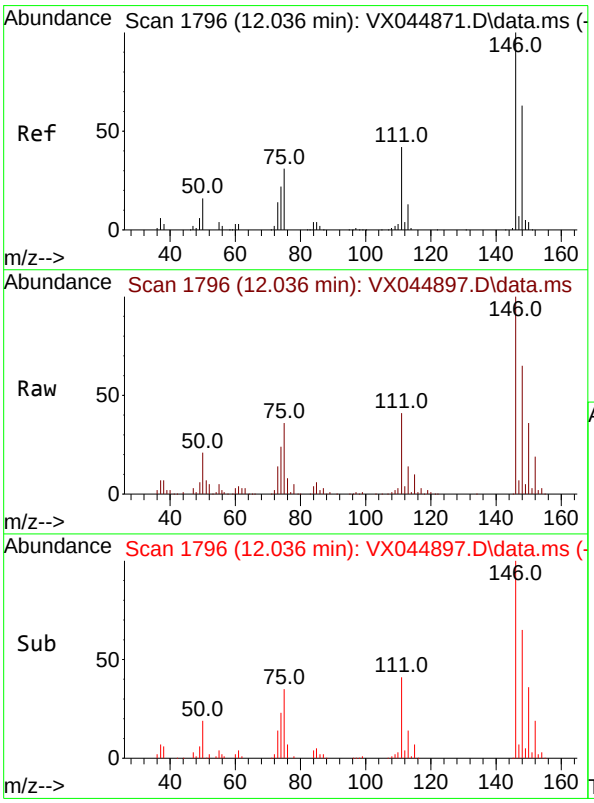
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

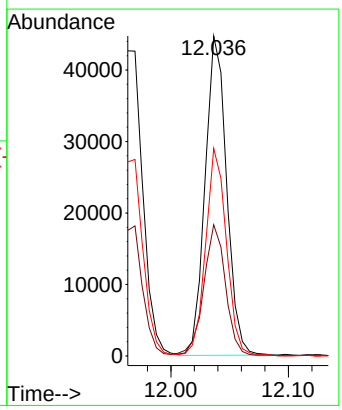


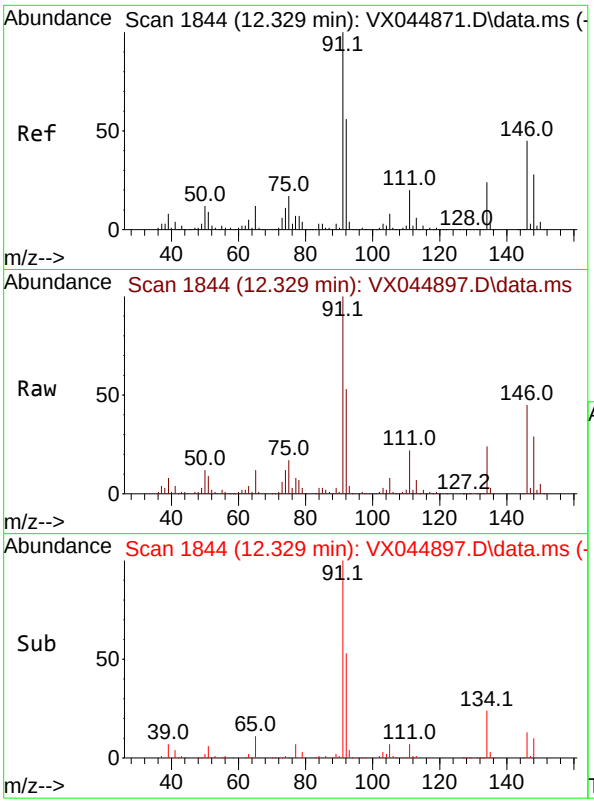


#88
1,4-Dichlorobenzene
Concen: 19.998 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:146 Resp: 56774

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.4	61.3
148	63.2	32.0	96.0





#89
n-Butylbenzene
Concen: 20.774 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 91 Resp: 10118

Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	24.1	12.1	36.3

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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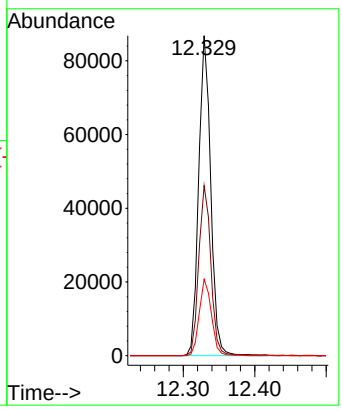
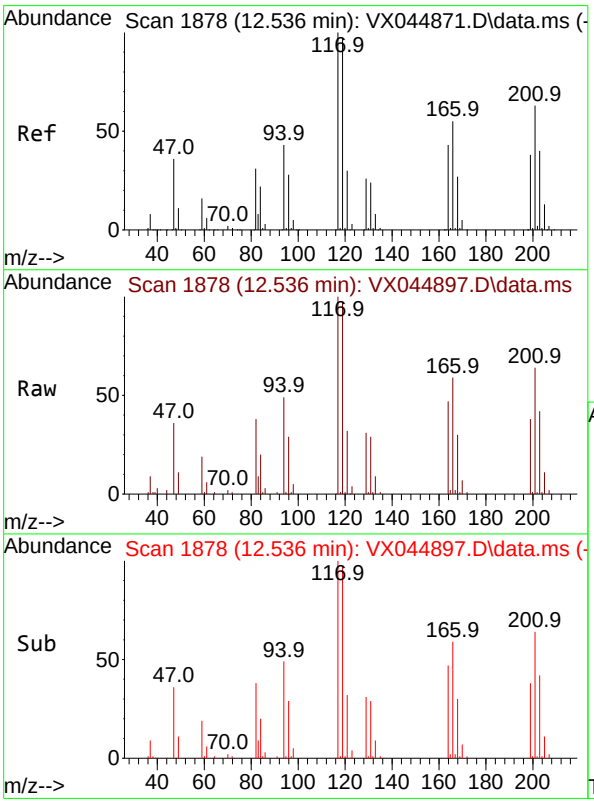
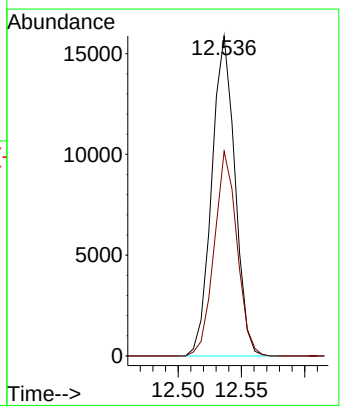


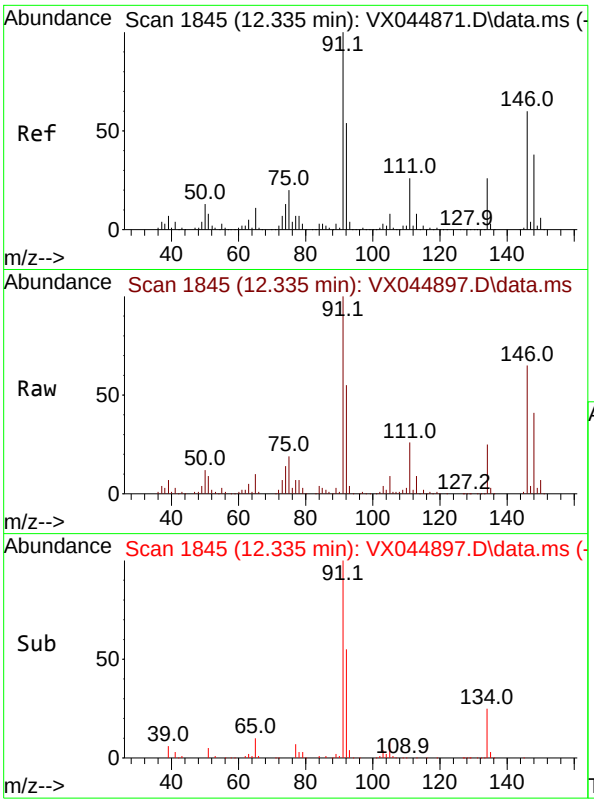


#90
Hexachloroethane
Concen: 19.608 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:117 Resp: 20215

Ion	Ratio	Lower	Upper
117	100		
201	63.0	32.5	97.5





#91
1,2-Dichlorobenzene
Concen: 20.783 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:146 Resp: 5735

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.5	31.9	95.9

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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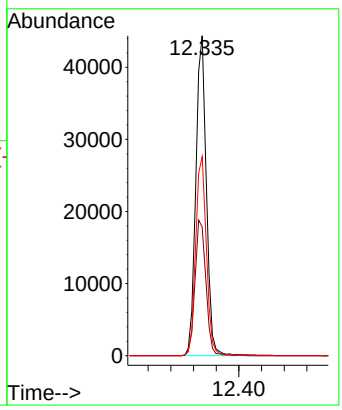
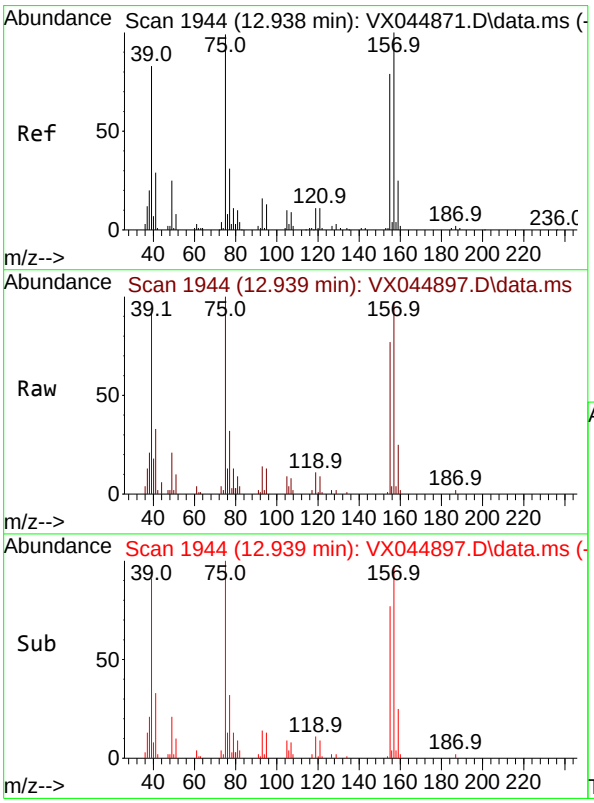
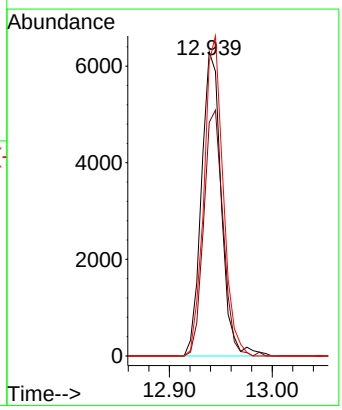


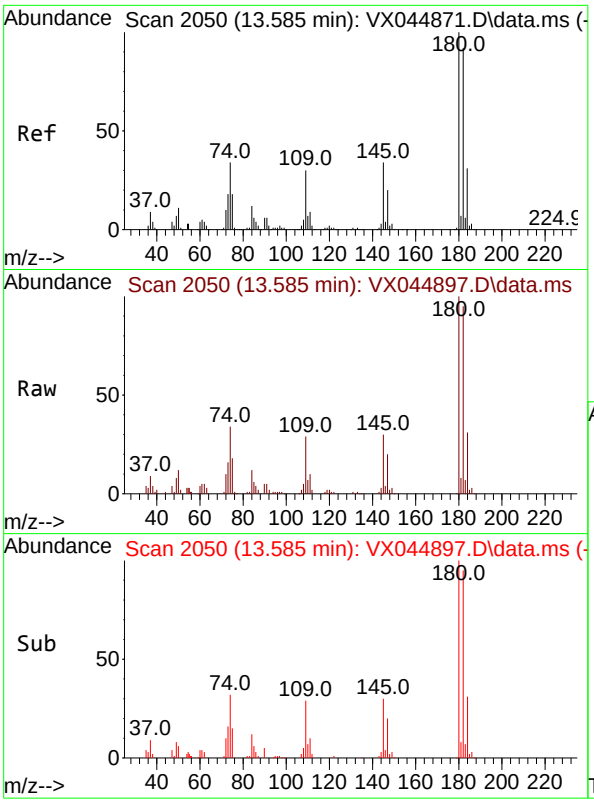


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.963 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 75 Resp: 8432

Ion	Ratio	Lower	Upper
75	100		
155	79.0	40.5	121.4
157	101.6	51.4	154.3





#93
1,2,4-Trichlorobenzene
Concen: 19.913 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:180 Resp: 3325

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.6	142.8
145	31.1	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
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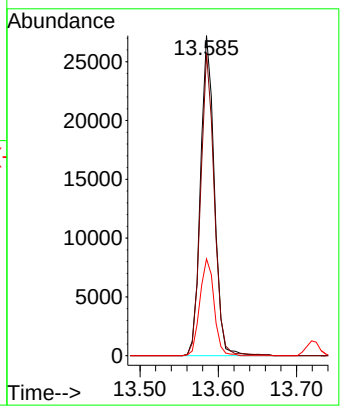
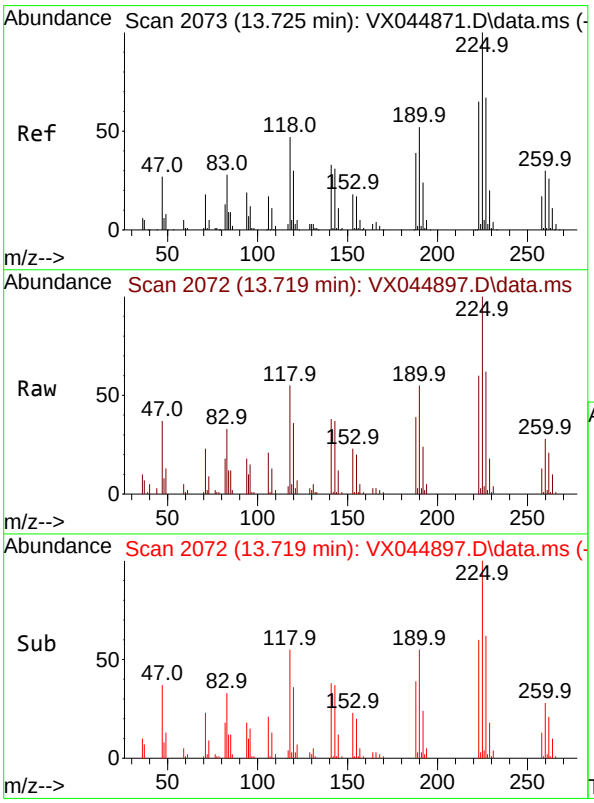
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

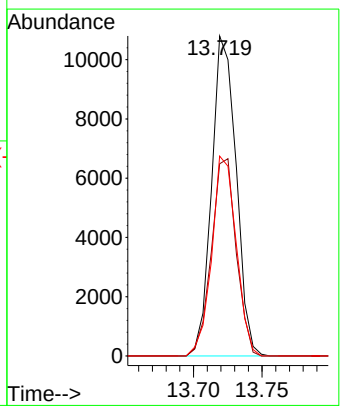


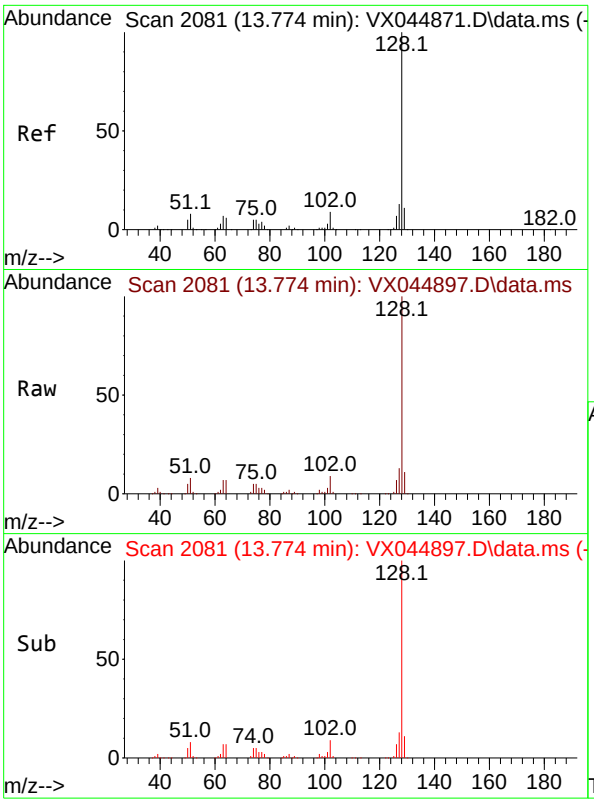


#94
Hexachlorobutadiene
Concen: 20.176 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:225 Resp: 13375

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





#95
Naphthalene
Concen: 20.324 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

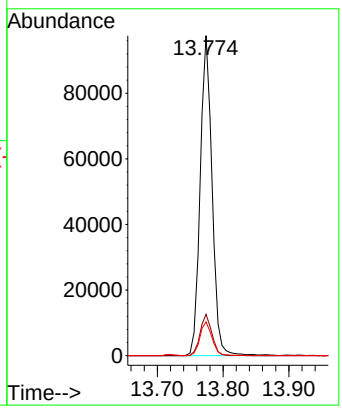
Tgt Ion:128 Resp: 12268:

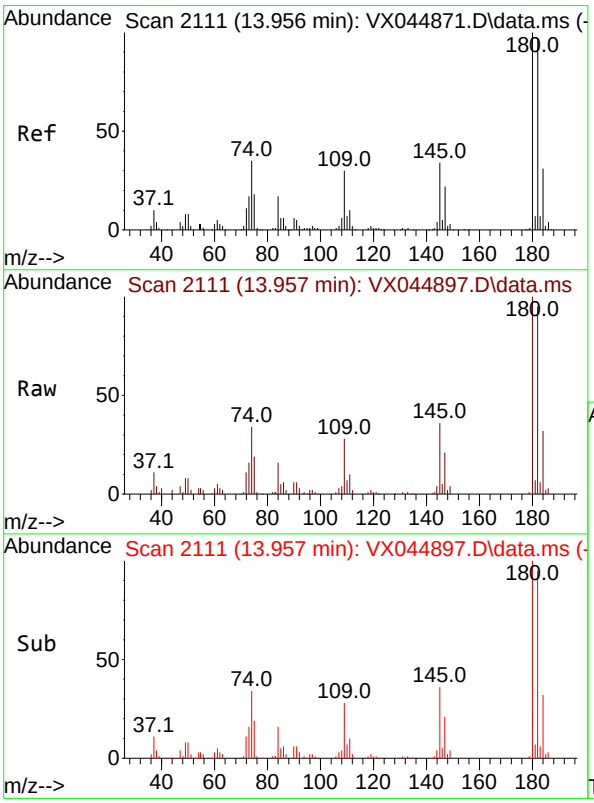
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

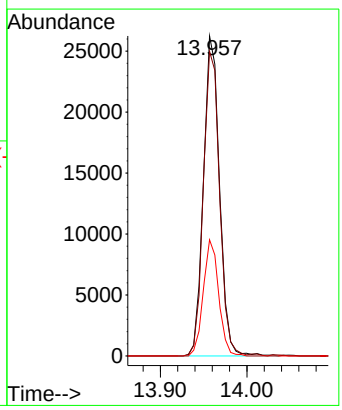




#96
1,2,3-Trichlorobenzene
Concen: 20.124 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:180 Resp: 33862

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.6
145	34.8	17.1	51.3



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

Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX044868.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	1,4-Dichlorobenzene	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Dichlorodifluoromethane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Ethyl Acetate	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Methacrylonitrile	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC005	VX044869.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC005	VX044869.D	Chloroethane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC020	VX044870.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:03 AM	MMDadoda	2/11/2025 10:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX044871.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:07 AM	MMDadoda	2/11/2025 10:09:36 AM	Peak Integrated by Software
VSTDICC100	VX044872.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:11 AM	MMDadoda	2/11/2025 10:09:40 AM	Peak Integrated by Software
VSTDICC150	VX044873.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:16 AM	MMDadoda	2/11/2025 10:09:49 AM	Peak Integrated by Software
VSTDICV050	VX044875.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:20 AM	MMDadoda	2/11/2025 10:09:53 AM	Peak Integrated by Software
VSTDCCC050	VX044891.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:46 AM	MMDadoda	2/11/2025 10:10:13 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VX021125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044893.D	1,2,3-Trichloropropane	JOHN	2/12/2025 9:55:44 AM	MMDadoda	2/12/2025 1:02:56 PM	Peak Integrated by Software
VX0211WBS01	VX044896.D	1,2,3-Trichloropropane	JOHN	2/12/2025 9:55:49 AM	MMDadoda	2/12/2025 1:03:01 PM	Peak Integrated by Software
VX0211WBSD01	VX044897.D	1,2,3-Trichloropropane	JOHN	2/12/2025 9:55:53 AM	MMDadoda	2/12/2025 1:03:01 PM	Peak Integrated by Software
VSTDCCC050	VX044918.D	1,2,3-Trichloropropane	JOHN	2/12/2025 9:57:04 AM	MMDadoda	2/12/2025 1:03:31 PM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044867.D	10 Feb 2025 09:35	JC/MD	Ok
2	VSTDICC001	VX044868.D	10 Feb 2025 10:25	JC/MD	Ok,M
3	VSTDICC005	VX044869.D	10 Feb 2025 10:48	JC/MD	Ok,M
4	VSTDICC020	VX044870.D	10 Feb 2025 11:11	JC/MD	Ok,M
5	VSTDICCC050	VX044871.D	10 Feb 2025 11:34	JC/MD	Ok,M
6	VSTDICC100	VX044872.D	10 Feb 2025 12:05	JC/MD	Ok,M
7	VSTDICC150	VX044873.D	10 Feb 2025 12:28	JC/MD	Ok,M
8	IBLK	VX044874.D	10 Feb 2025 12:51	JC/MD	Ok
9	VSTDICV050	VX044875.D	10 Feb 2025 13:15	JC/MD	Ok,M
10	VX0210MBL01	VX044876.D	10 Feb 2025 13:43	JC/MD	Ok
11	VX0210WBL01	VX044877.D	10 Feb 2025 14:06	JC/MD	Ok
12	VX0210WBS01	VX044878.D	10 Feb 2025 14:29	JC/MD	Ok,M
13	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55	JC/MD	Ok,M
14	Q1250-02	VX044880.D	10 Feb 2025 15:18	JC/MD	Ok
15	Q1250-01	VX044881.D	10 Feb 2025 15:41	JC/MD	Ok
16	Q1250-03	VX044882.D	10 Feb 2025 16:04	JC/MD	Ok
17	Q1250-04	VX044883.D	10 Feb 2025 16:27	JC/MD	Ok
18	Q1250-05	VX044884.D	10 Feb 2025 16:51	JC/MD	Ok
19	Q1250-10	VX044885.D	10 Feb 2025 17:14	JC/MD	Ok
20	Q1250-11	VX044886.D	10 Feb 2025 17:37	JC/MD	Ok
21	Q1250-12	VX044887.D	10 Feb 2025 18:00	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1250-06	VX044888.D	10 Feb 2025 18:23	JC/MD	Ok
23	Q1250-07MS	VX044889.D	10 Feb 2025 18:46	JC/MD	Ok,M
24	Q1250-08MSD	VX044890.D	10 Feb 2025 19:09	JC/MD	Ok,M
25	VSTDCCC050	VX044891.D	10 Feb 2025 19:32	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021125

Review By	John Carlone	Review On	2/12/2025 10:54:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/12/2025 1:03:30 PM		
SubDirectory	VX021125	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132983
Initial Calibration Stds	
CCC	VP132984,VP132985
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044892.D	11 Feb 2025 08:50	JC/MD	Ok
2	VSTDCCC050	VX044893.D	11 Feb 2025 10:09	JC/MD	Ok,M
3	VX0211MBL01	VX044894.D	11 Feb 2025 10:37	JC/MD	Ok
4	VX0211WBL01	VX044895.D	11 Feb 2025 11:00	JC/MD	Ok
5	VX0211WBS01	VX044896.D	11 Feb 2025 11:23	JC/MD	Ok,M
6	VX0211WBSD01	VX044897.D	11 Feb 2025 11:48	JC/MD	Ok,M
7	Q1289-04ME	VX044898.D	11 Feb 2025 12:11	JC/MD	Not Ok
8	VX0211MBS01	VX044899.D	11 Feb 2025 12:34	JC/MD	Ok,M
9	Q1283-01	VX044900.D	11 Feb 2025 12:57	JC/MD	Ok
10	Q1283-02	VX044901.D	11 Feb 2025 13:20	JC/MD	Ok
11	Q1283-03	VX044902.D	11 Feb 2025 13:43	JC/MD	Ok
12	Q1283-04	VX044903.D	11 Feb 2025 14:06	JC/MD	Ok
13	Q1283-05	VX044904.D	11 Feb 2025 14:29	JC/MD	Ok
14	Q1332-01DL	VX044905.D	11 Feb 2025 14:52	JC/MD	Ok
15	Q1293-01	VX044906.D	11 Feb 2025 15:15	JC/MD	Ok,M
16	Q1348-01	VX044907.D	11 Feb 2025 15:38	JC/MD	Not Ok
17	Q1349-01	VX044908.D	11 Feb 2025 16:01	JC/MD	Not Ok
18	Q1327-01	VX044909.D	11 Feb 2025 16:24	JC/MD	Ok
19	Q1327-02	VX044910.D	11 Feb 2025 16:46	JC/MD	Ok
20	Q1327-03	VX044911.D	11 Feb 2025 17:09	JC/MD	Ok
21	Q1327-04	VX044912.D	11 Feb 2025 17:33	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021125

Review By	John Carlone	Review On	2/12/2025 10:54:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/12/2025 1:03:30 PM		
SubDirectory	VX021125	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132983
Initial Calibration Stds	
CCC	VP132984,VP132985
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1327-05	VX044913.D	11 Feb 2025 17:56	JC/MD	Ok
23	Q1327-06	VX044914.D	11 Feb 2025 18:19	JC/MD	Ok
24	Q1327-09	VX044915.D	11 Feb 2025 18:42	JC/MD	Ok
25	Q1327-08	VX044916.D	11 Feb 2025 19:05	JC/MD	Ok
26	Q1327-07	VX044917.D	11 Feb 2025 19:28	JC/MD	Ok
27	VSTDCCC050	VX044918.D	11 Feb 2025 19:50	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044867.D	10 Feb 2025 09:35		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX044868.D	10 Feb 2025 10:25		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX044869.D	10 Feb 2025 10:48		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX044870.D	10 Feb 2025 11:11		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX044871.D	10 Feb 2025 11:34		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX044872.D	10 Feb 2025 12:05		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX044873.D	10 Feb 2025 12:28		JC/MD	Ok,M
8	IBLK	IBLK	VX044874.D	10 Feb 2025 12:51		JC/MD	Ok
9	VSTDICV050	ICVVX021025	VX044875.D	10 Feb 2025 13:15		JC/MD	Ok,M
10	VX0210MBL01	VX0210MBL01	VX044876.D	10 Feb 2025 13:43		JC/MD	Ok
11	VX0210WBL01	VX0210WBL01	VX044877.D	10 Feb 2025 14:06		JC/MD	Ok
12	VX0210WBS01	VX0210WBS01	VX044878.D	10 Feb 2025 14:29		JC/MD	Ok,M
13	VX0210WBSD01	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55		JC/MD	Ok,M
14	Q1250-02	BP-VPB-192-GW-420-4	VX044880.D	10 Feb 2025 15:18	vial B pH<2	JC/MD	Ok
15	Q1250-01	BP-VPB-192-TB-20250	VX044881.D	10 Feb 2025 15:41	vial B pH<2 TB	JC/MD	Ok
16	Q1250-03	BP-VPB-192-GW-300-3	VX044882.D	10 Feb 2025 16:04	vial B pH<2	JC/MD	Ok
17	Q1250-04	BP-VPB-192-GW-320-3	VX044883.D	10 Feb 2025 16:27	vial B pH<2	JC/MD	Ok
18	Q1250-05	BP-VPB-192-GW-340-3	VX044884.D	10 Feb 2025 16:51	vial B pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1250-10	BP-VPB-192-GW-380-3	VX044885.D	10 Feb 2025 17:14	vial B pH<2	JC/MD	Ok
20	Q1250-11	BP-VPB-192-GW-400-4	VX044886.D	10 Feb 2025 17:37	vial B pH<2	JC/MD	Ok
21	Q1250-12	BP-VPB-192-GW-440-4	VX044887.D	10 Feb 2025 18:00	vial B pH<2	JC/MD	Ok
22	Q1250-06	BP-VPB-192-GW-360-3	VX044888.D	10 Feb 2025 18:23	vial B pH<2	JC/MD	Ok
23	Q1250-07MS	BP-VPB-192-GW-360-3	VX044889.D	10 Feb 2025 18:46	vial B pH<2	JC/MD	Ok,M
24	Q1250-08MSD	BP-VPB-192-GW-360-3	VX044890.D	10 Feb 2025 19:09	vial B pH<2	JC/MD	Ok,M
25	VSTDCCC050	VSTDCCC050EC	VX044891.D	10 Feb 2025 19:32		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021125

Review By	John Carlone	Review On	2/12/2025 10:54:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/12/2025 1:03:30 PM		
SubDirectory	VX021125	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132983
Initial Calibration Stds	
CCC	VP132984,VP132985
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044892.D	11 Feb 2025 08:50		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044893.D	11 Feb 2025 10:09	V13516	JC/MD	Ok,M
3	VX0211MBL01	VX0211MBL01	VX044894.D	11 Feb 2025 10:37		JC/MD	Ok
4	VX0211WBL01	VX0211WBL01	VX044895.D	11 Feb 2025 11:00		JC/MD	Ok
5	VX0211WBS01	VX0211WBS01	VX044896.D	11 Feb 2025 11:23		JC/MD	Ok,M
6	VX0211WBSD01	VX0211WBSD01	VX044897.D	11 Feb 2025 11:48		JC/MD	Ok,M
7	Q1289-04ME	FL-DRUMS-BME	VX044898.D	11 Feb 2025 12:11	Over diluted	JC/MD	Not Ok
8	VX0211MBS01	VX0211MBS01	VX044899.D	11 Feb 2025 12:34		JC/MD	Ok,M
9	Q1283-01	VPB-192-HYD-2025013	VX044900.D	11 Feb 2025 12:57	vial A pH<2	JC/MD	Ok
10	Q1283-02	BP-VPB-192-TB-20250	VX044901.D	11 Feb 2025 13:20	vial A pH<2 TB	JC/MD	Ok
11	Q1283-03	BP-VPB-192-EB-20250	VX044902.D	11 Feb 2025 13:43	vial A pH<2 EB	JC/MD	Ok
12	Q1283-04	BP-VPB-192-GW-480-4	VX044903.D	11 Feb 2025 14:06	vial A pH<2	JC/MD	Ok
13	Q1283-05	BP-VPB-192-GW-500-5	VX044904.D	11 Feb 2025 14:29	vial A pH<2	JC/MD	Ok
14	Q1332-01DL	MW1DL	VX044905.D	11 Feb 2025 14:52	vial B pH<2	JC/MD	Ok
15	Q1293-01	NWB-2123	VX044906.D	11 Feb 2025 15:15	vial A pH<2	JC/MD	Ok,M
16	Q1348-01	TWP-1-WC	VX044907.D	11 Feb 2025 15:38	Need Straight Run	JC/MD	Not Ok
17	Q1349-01	TWP-1-PERMIT	VX044908.D	11 Feb 2025 16:01	Need Straight Run	JC/MD	Not Ok
18	Q1327-01	VPB192-HYD-2025020	VX044909.D	11 Feb 2025 16:24	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021125

Review By	John Carlone	Review On	2/12/2025 10:54:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/12/2025 1:03:30 PM		
SubDirectory	VX021125	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132983
Initial Calibration Stds	
CCC	VP132984,VP132985
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1327-02	BP-VPB-192-TB-20250	VX044910.D	11 Feb 2025 16:46	vial A pH<2 TB	JC/MD	Ok
20	Q1327-03	BP-VPB-192-DUP-2025	VX044911.D	11 Feb 2025 17:09	vial A pH<2	JC/MD	Ok
21	Q1327-04	BP-VPB-192-GW-520-5	VX044912.D	11 Feb 2025 17:33	vial A pH<2	JC/MD	Ok
22	Q1327-05	BP-VPB-192-GW-540-5	VX044913.D	11 Feb 2025 17:56	vial A pH<2	JC/MD	Ok
23	Q1327-06	BP-VPB-192-GW-560-5	VX044914.D	11 Feb 2025 18:19	vial A pH<2	JC/MD	Ok
24	Q1327-09	BP-VPB-192-GW-625-6	VX044915.D	11 Feb 2025 18:42	vial A pH<2	JC/MD	Ok
25	Q1327-08	BP-VPB-192-GW-600-6	VX044916.D	11 Feb 2025 19:05	vial A+B pH<2	JC/MD	Ok
26	Q1327-07	BP-VPB-192-GW-580-5	VX044917.D	11 Feb 2025 19:28	vial A+B+C+D pH<2	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX044918.D	11 Feb 2025 19:50		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q1283

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX021125,

Standard ID :
VP130430,VP131746,VP131767,VP132035,VP132096,VP132613,VP132983,VP132984,VP132985,

Chemical ID :
V13391,V13446,V13457,V13460,V13465,V13466,V13707,V14145,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14754,V14756,V14801,V14814,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132613	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 0.40000ml of V13446 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14722 + 1.00000ml of V14754 + 1.00000ml of V14756 + 1.00000ml of V14801 + 1.00000ml of V14814 + 1.50000ml of V14723 + 1.50000ml of V14724 + 10.60000ml of V14624 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP132983	02/11/2025	02/12/2025	John Carlone	None	None	Mahesh Dadoda 02/13/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132984	02/11/2025	02/12/2025	John Carlone	None	None	Mahesh Dadoda 02/13/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132613 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132985	02/11/2025	02/12/2025	John Carlone	None	None	Mahesh Dadoda 02/13/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132613 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	02/28/2025	01/10/2025 / SAM	01/23/2023 / SAM	V13446

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14433

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14439

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14722

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14723

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	05/31/2031	01/10/2025 / SAM	12/17/2024 / SAM	V14754

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14756

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220563	06/30/2026	01/10/2025 / SAM	01/08/2025 / SAM	V14801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14814

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottel

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
59 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 100.0

Solvent(s):	Lot#
Methanol	EG359-USQ12

5E-05 Balance Uncertainty
0.021 Flask Uncertainty

Formulated By: Prashant Chauhan — 021624 DATE
Reviewed By: Pedro L. Rentas — 021624 DATE

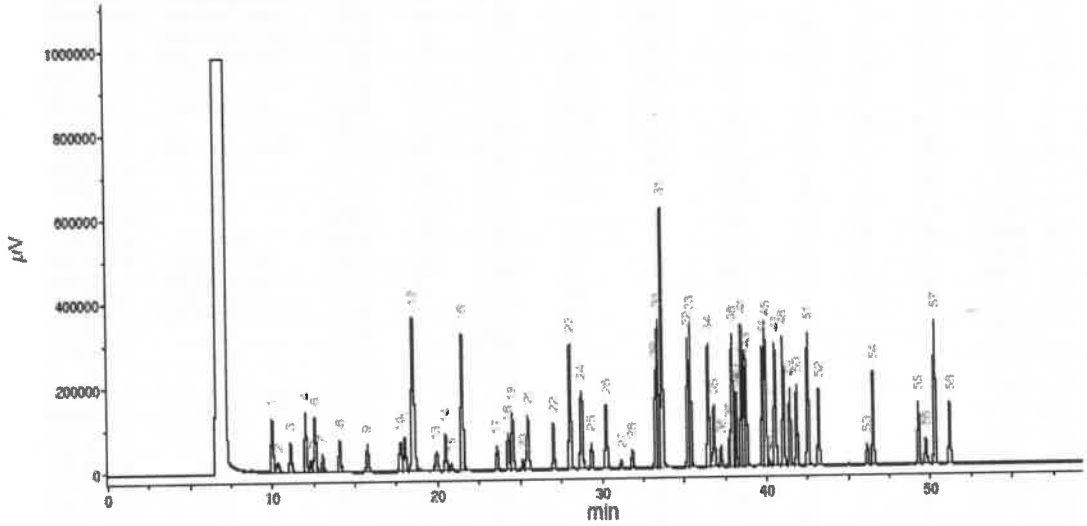
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBF6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK16CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF6718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	16930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 106mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 750mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1384mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	22.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.48
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	38.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
59 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 100.0

Solvent(s):	Lot#
Methanol	EG359-USQ12

5E-05 Balance Uncertainty
0.021 Flask Uncertainty

Formulated By: Prashant Chauhan — 021624 DATE
Reviewed By: Pedro L. Rentas — 021624 DATE

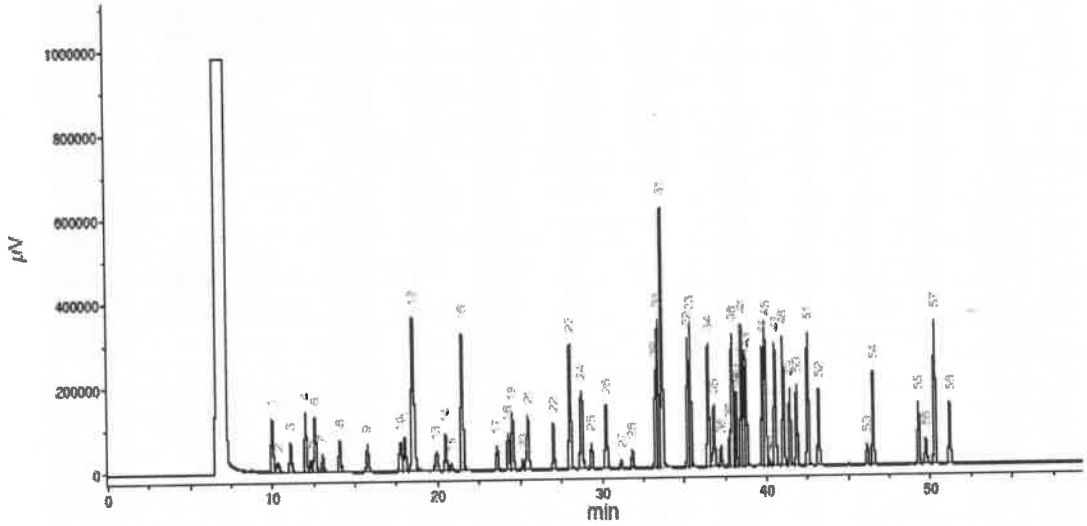
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBF6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK16CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF6718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	16930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 106mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 750mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1384mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	22.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.48
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	38.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

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Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): **Lot#**
Water 072324Q

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

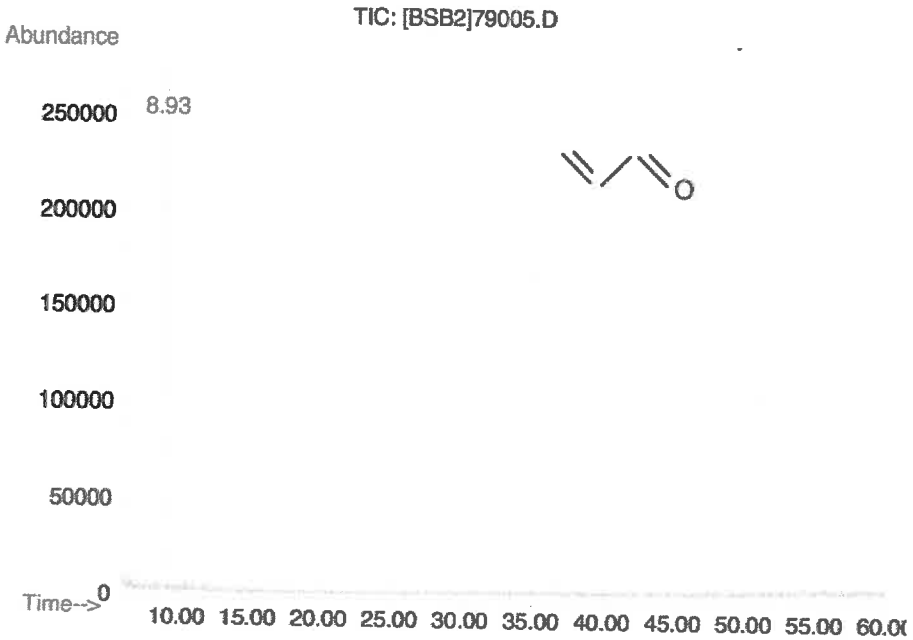
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

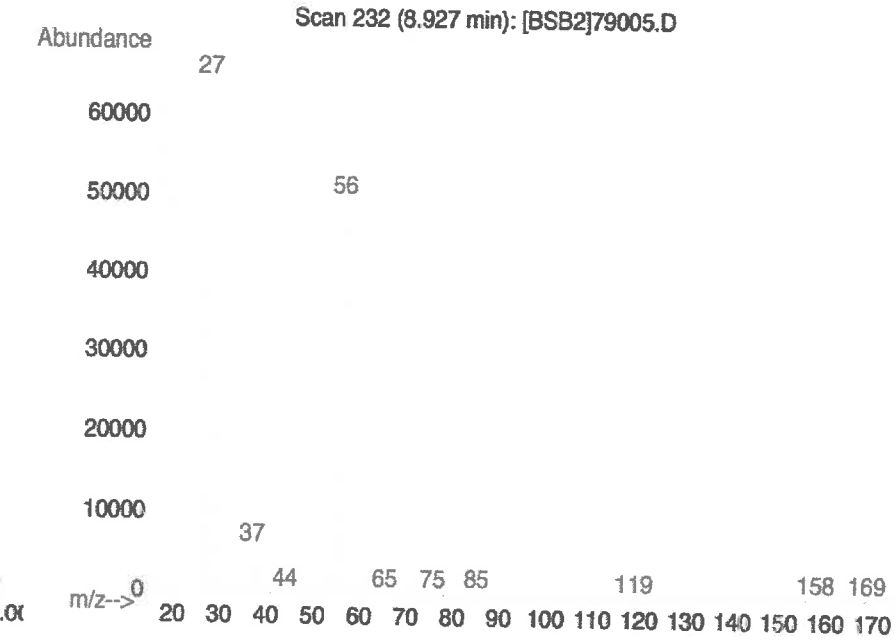
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): **Lot#**
Water 072324Q

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

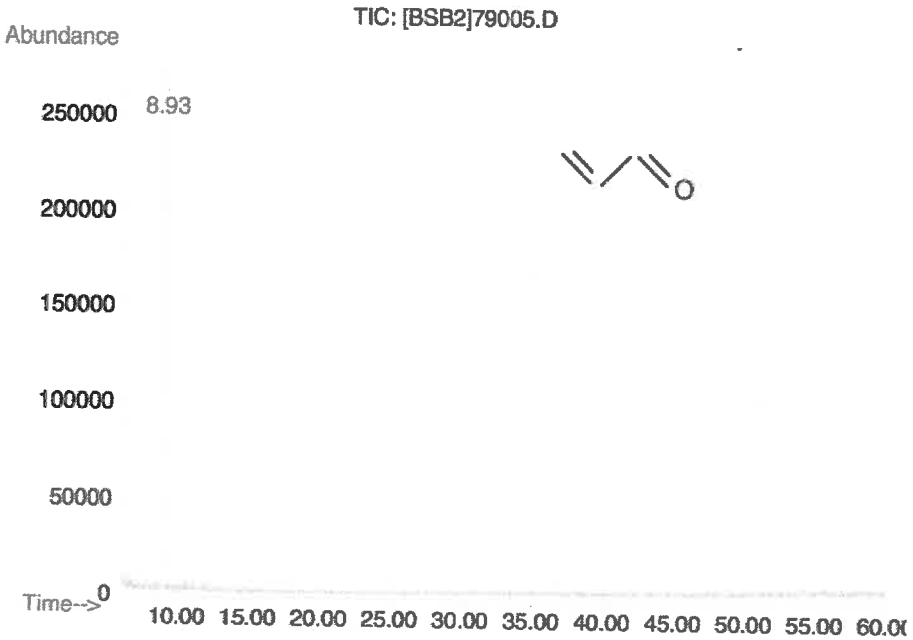
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

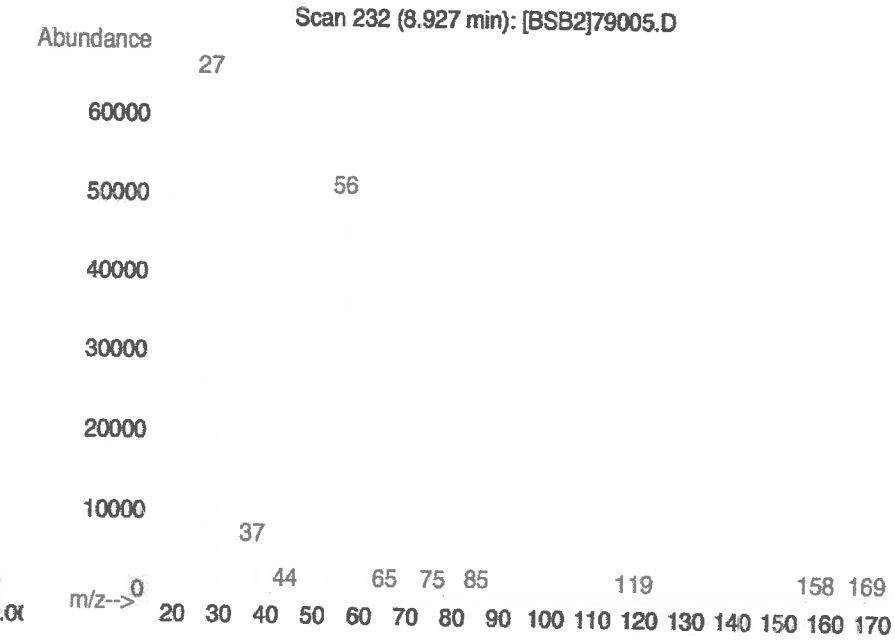
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

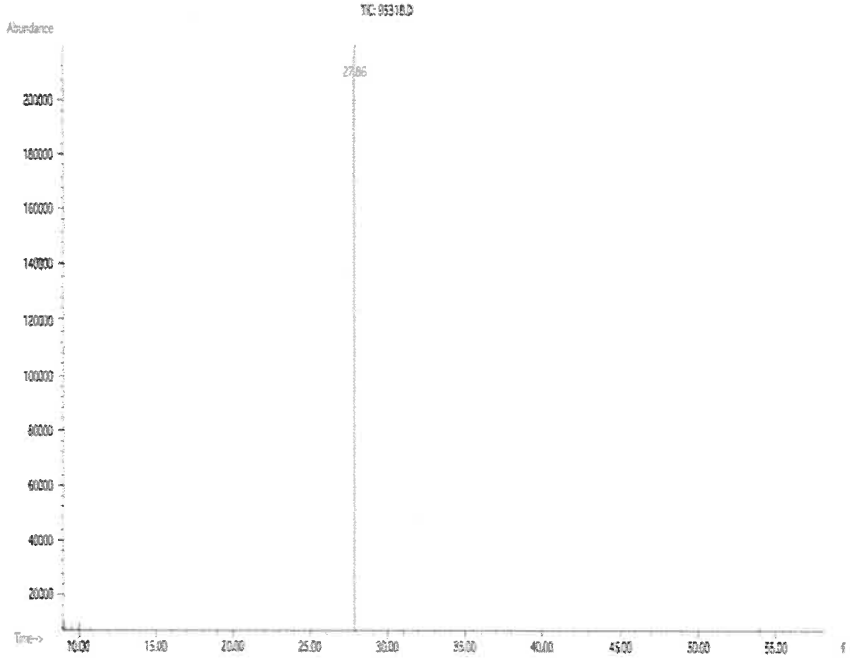
V14630 to
V14649

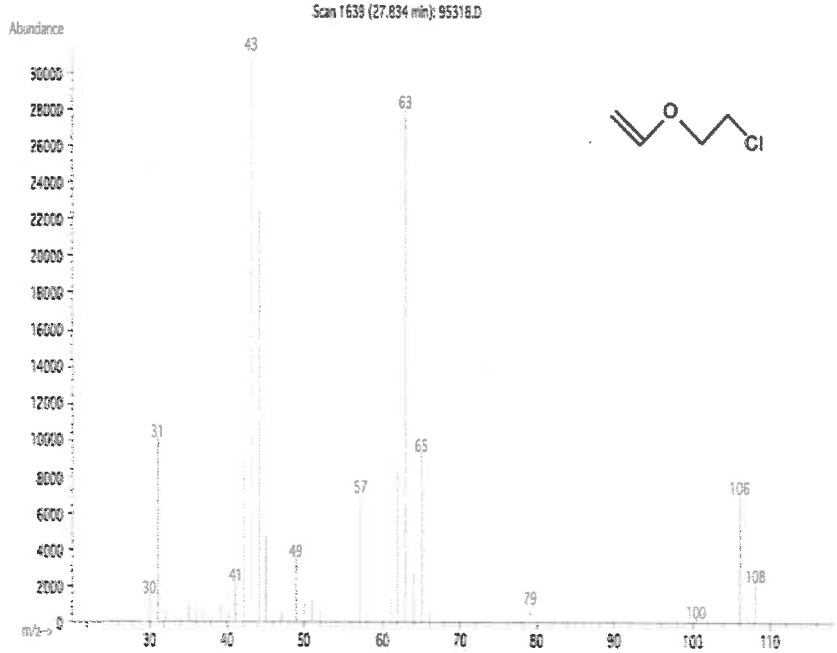
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

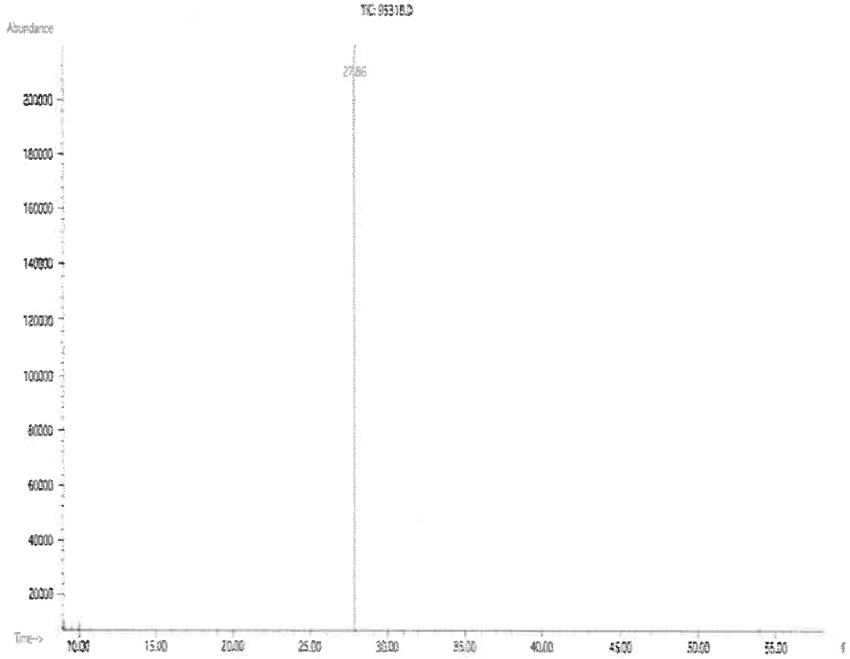
V14630 to
V14649

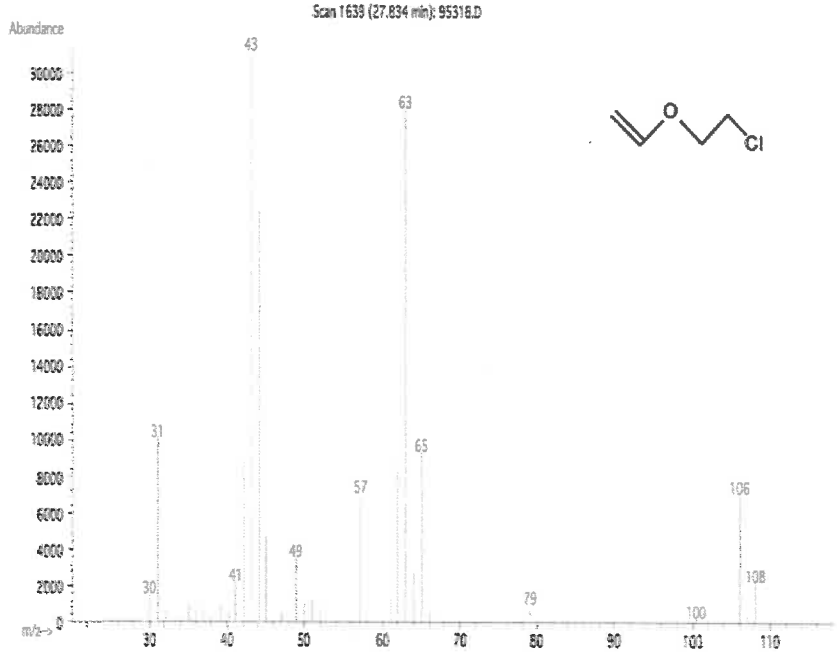
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

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Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
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Skin notation TWA 200 ppm
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Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

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LC50	15,400 mg/l - 96 h
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Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

V14630 to
V14649

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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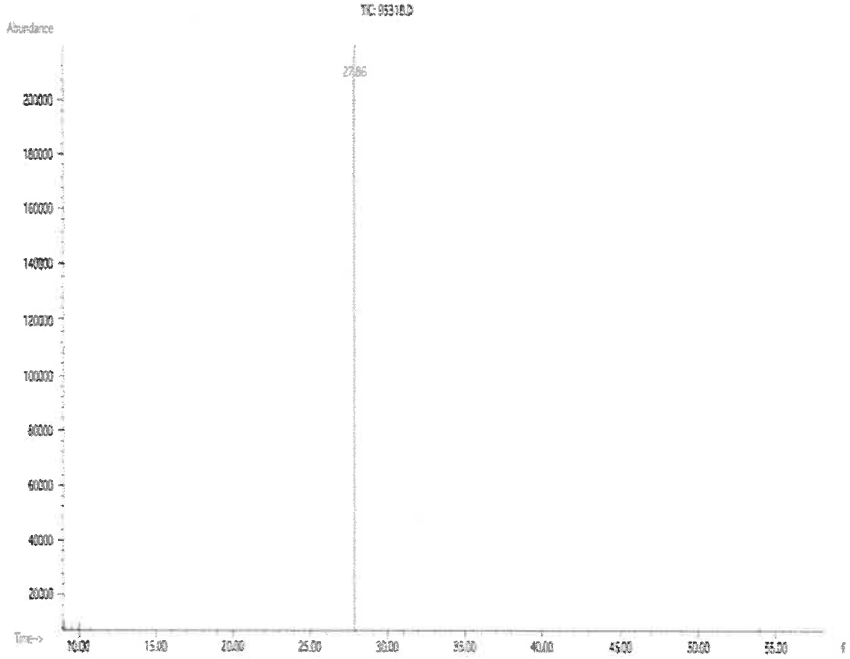
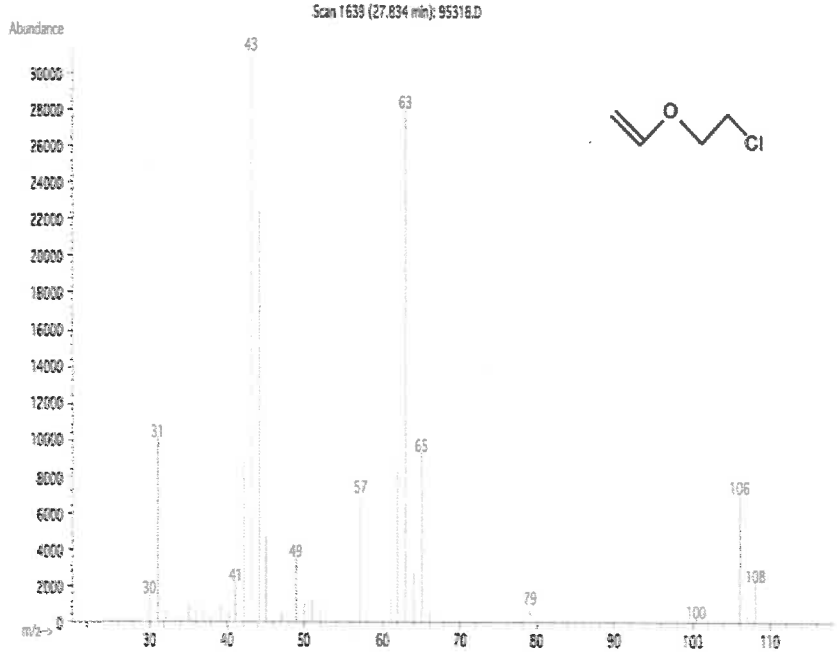
Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Exp 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

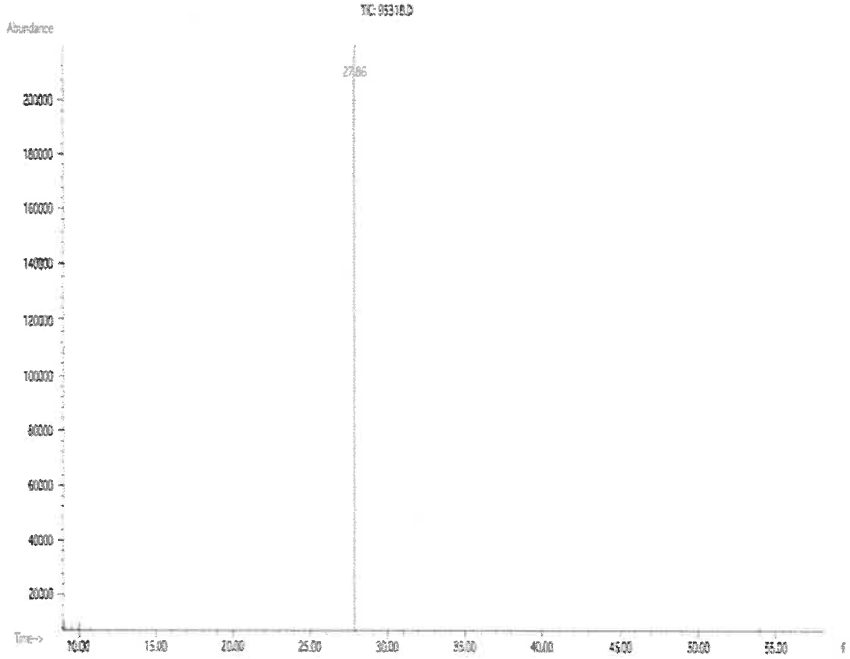
V14630 to
V14649

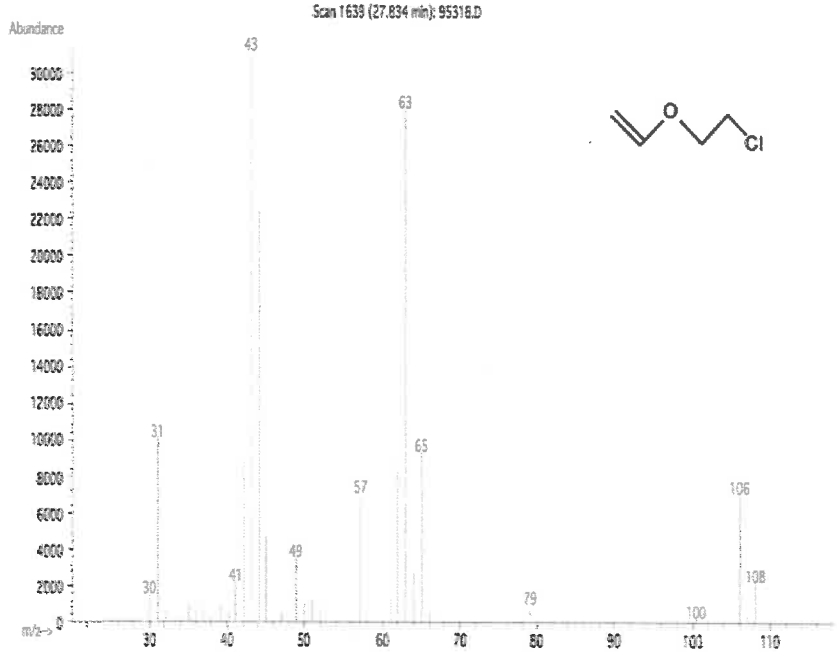
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Signal Word: DANGER

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Components (Specific Chemical Identity; Common Name(s))			% (optional)
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UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,126.0 µg/mL	+/- 293.4988 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,073.7654 µg/mL	Unstressed
	Purity 99%		+/- 1,104.9494 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

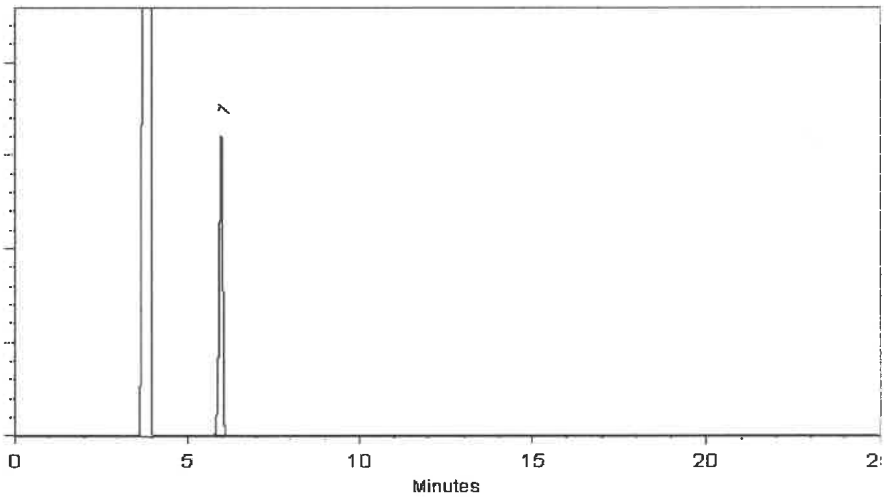
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

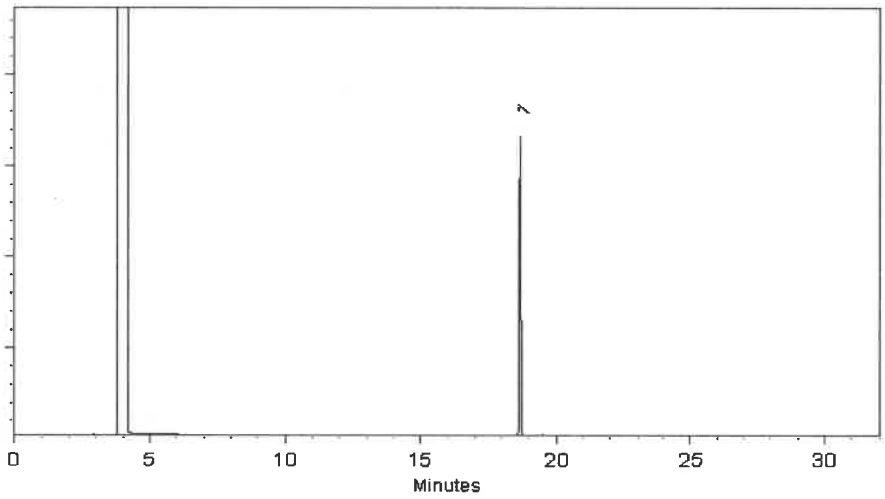
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

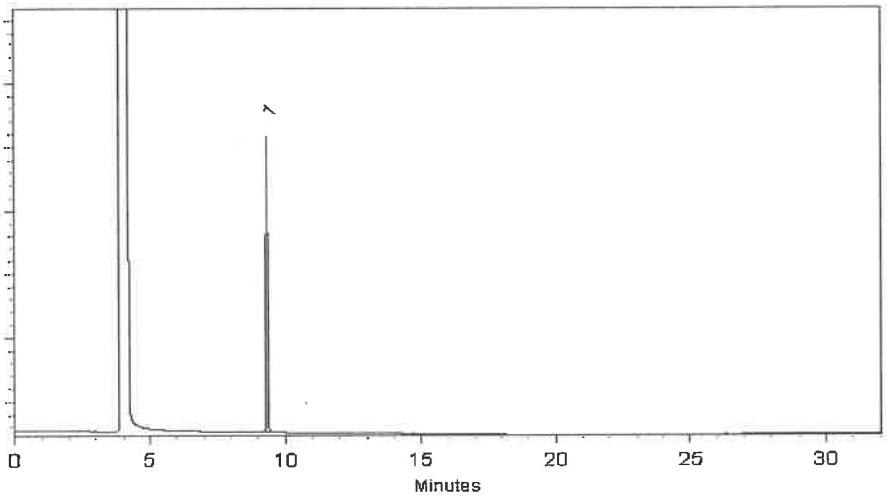
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

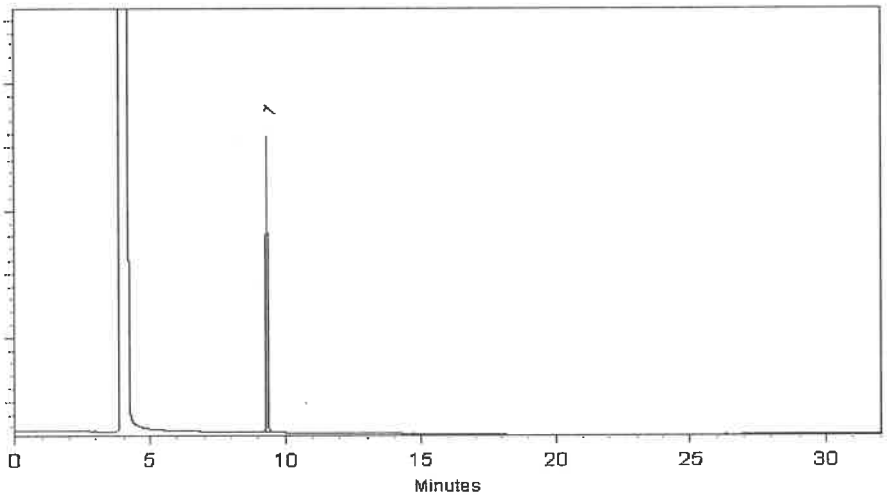
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

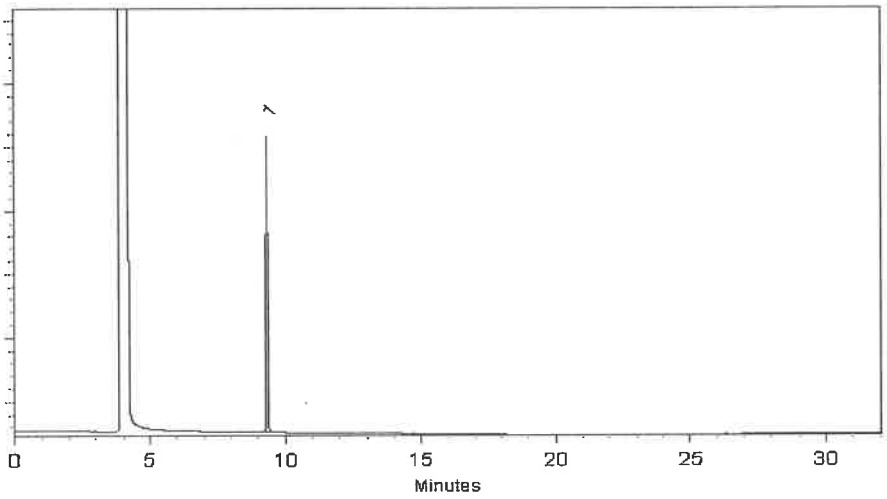
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

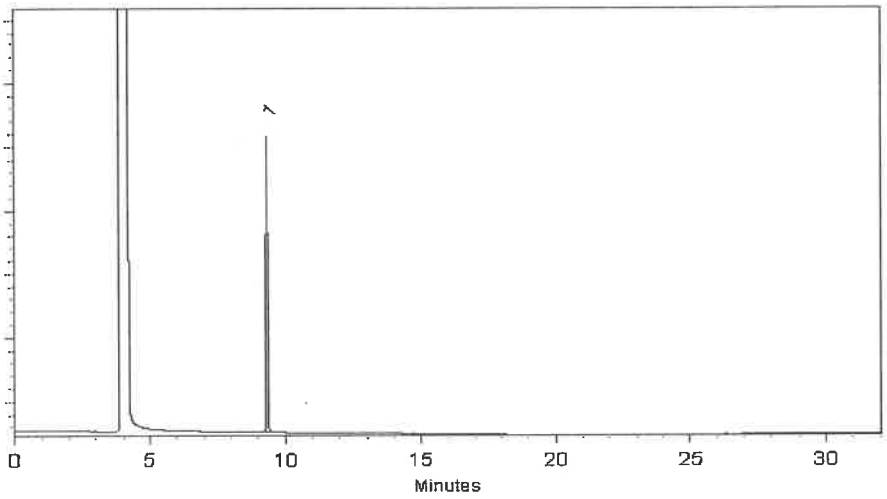
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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Manufacturing Notes:

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ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

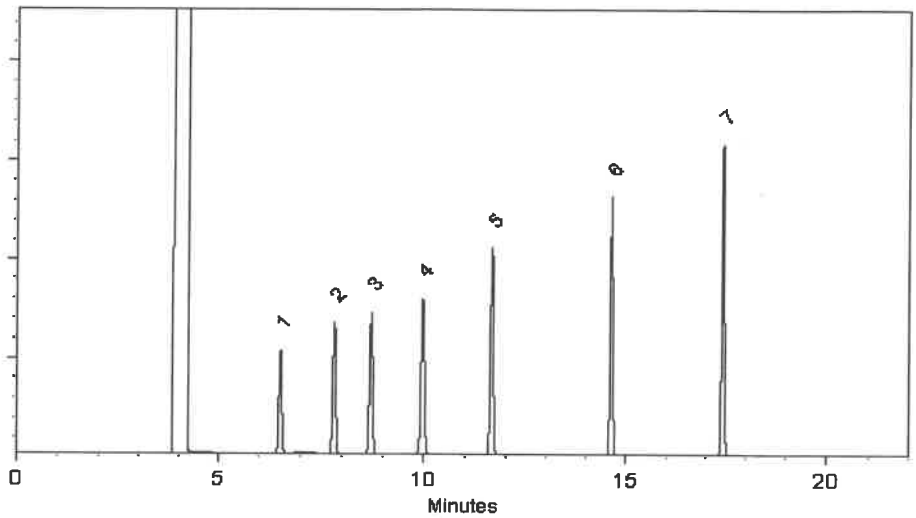
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

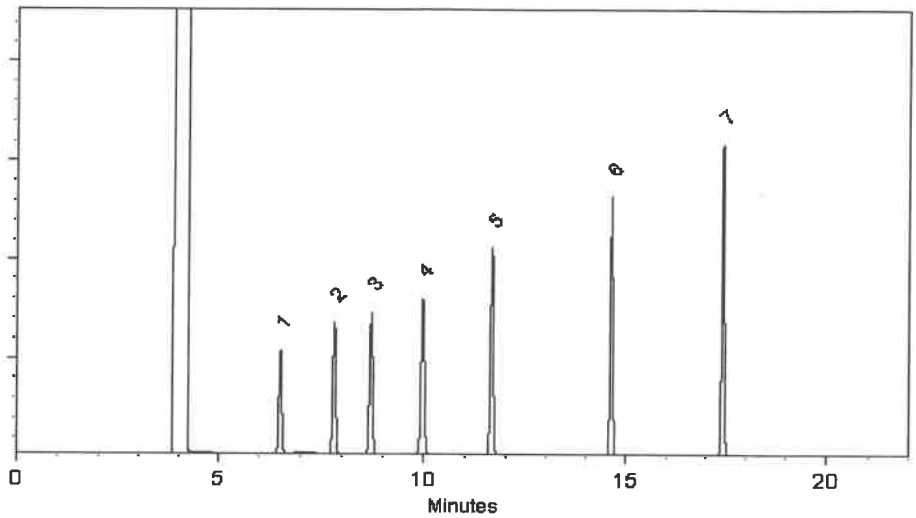
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
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Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

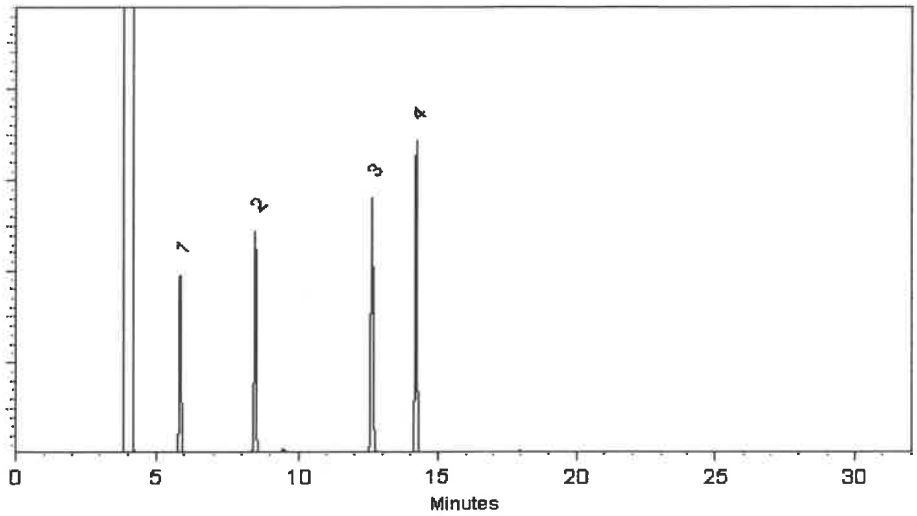
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
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Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

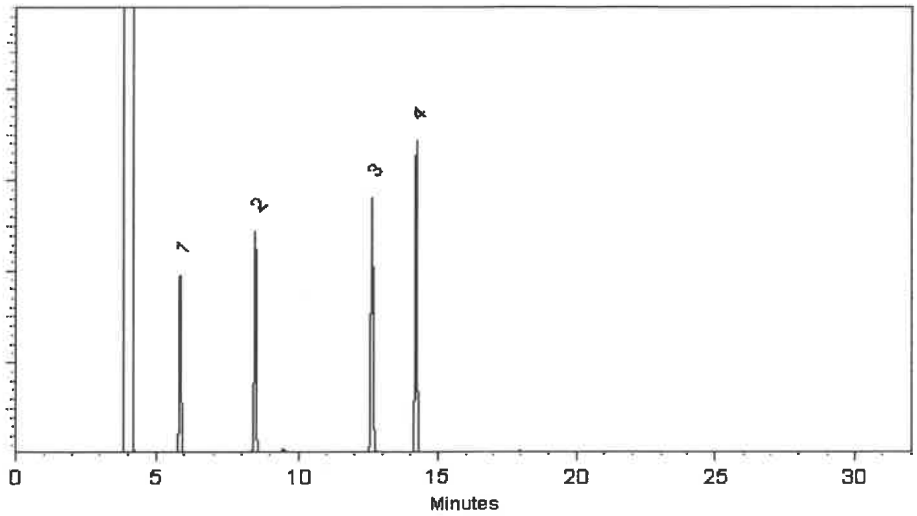
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity values are rounded to the nearest whole number.

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Manufacturing Notes:

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Handling Notes:

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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
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4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

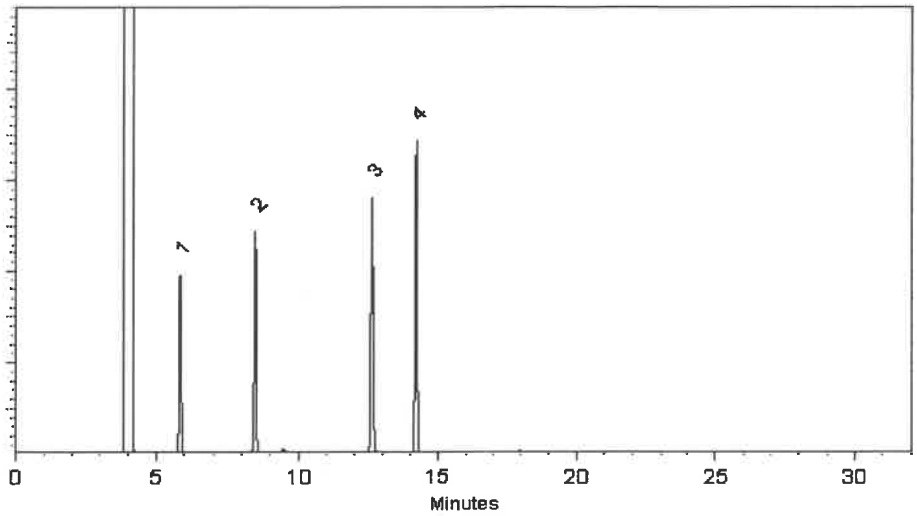
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

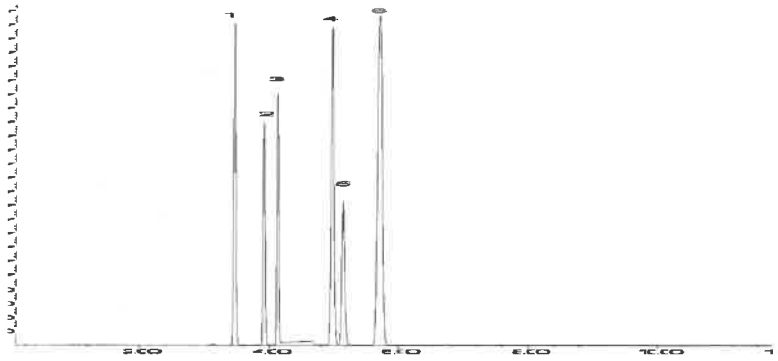
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

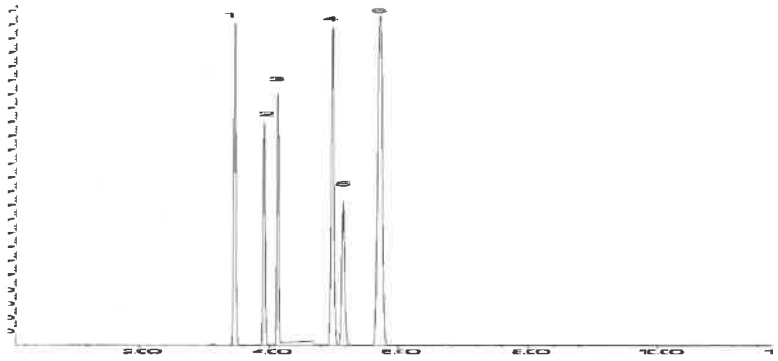
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Zoe Rec 01/08/21

RESTEK

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www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

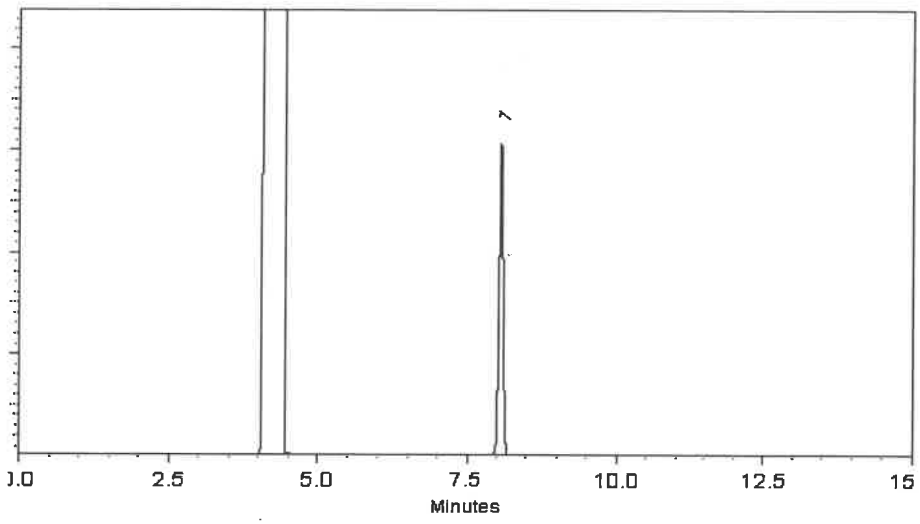
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I | **Date Mixed:** 24-Dec-2024 | **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I | **Date Passed:** 02-Jan-2025

REVIEWED
By Jennifer Pollom at 7:12 am, Jan 06, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

10 vial Rec 01/08/25

RESTEK

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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Reference Material Producer
Certificate #3222.01

Certificate of Analysis

chromatographic

V14793 to 14802

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-FL **Lot No.:** A0220563

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,060.0 µg/mL	+/- 278.5905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

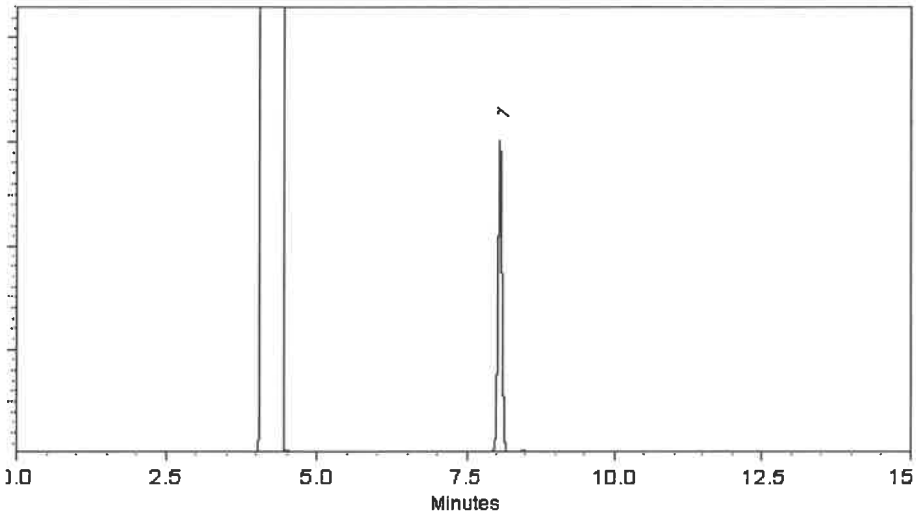
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 30-Dec-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pulliso at 7:11 am, Jan 03, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: Q1283

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Lane Suite 300	PROJECT #: 112G08005-WE13 LOCATION: VPB-192	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie.wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX: 10 DAYS*
HARD COPY: 10 DAYS*
EDD 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

	1	2	3	4	5	6	7	8	9
	VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)							

PRESERVATIVES

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	A 1	2	3	4	5	6	7	8	9	COMMENTS
1.	VPB-192-HYD-20250131	AQ		X	1/31/25	14:30	3	2	1								
2.	BP-VPB-192-TB-20250130	QA		X	1/30/25	9:00	2	2									Trip blank
3.	BP-VPB-192-EB-20250131	QA		X	1/31/25	8:30	3	2	1								Equipment blank
4.	BP-VPB-192-GW-480-482	AQ		X	1/30/25	10:48	2	2									
5.	BP-VPB-192-GW-500-502	AQ		X	1/31/25	9:45	3	2	1								
6.																	
7.																	
8.																	
9.																	
10.																	

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	1530 02/03/25	1. 1640 2-3-25
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	1400 2-3-25	3.

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 2.3°C
MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in Cooler?:
Comments: Standard TAT

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1283 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 2/3/2025 4:41:00 PM
Project Name : CTO WE13
Receive DateTime : 2/3/2025 7:00:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1283-01	VPB-192-HYD-20250131	Water	01/31/2025	14:30					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1283-02	BP-VPB-192-TB-20250130	Water	01/~~31~~ 30/2025	09:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1283-03	BP-VPB-192-EB-20250131	Water	01/31/2025	08:30					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1283-04	BP-VPB-192-GW-480-482	Water	01/~~31~~ 30/2025	10:48					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1283-05	BP-VPB-192-GW-500-502	Water	01/31/2025	09:45					
					VOCMS Group1		8260-Low		10 Bus. Days

Relinquished By :
Date / Time : 2-4-25 0900

Received By :
Date / Time : 02/4/25 0.9:00 Staff 4

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 11 01:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	134134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	254149	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	2473	1.259	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 2.520%#			
35) Dibromofluoromethane	5.379	113	2013	1.218	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 2.440%#			
50) Toluene-d8	8.653	98	6195	0.991	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 1.980%#			
62) 4-Bromofluorobenzene	11.085	95	1950	0.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 1.860%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	1655	0.880	ug/l	100
3) Chloromethane	1.307	50	2571	1.123	ug/l	94
4) Vinyl Chloride	1.374	62	2252	1.015	ug/l	96
5) Bromomethane	1.593	94	727	1.095	ug/l	91
6) Chloroethane	1.666	64	1341	2.609	ug/l	91
7) Trichlorofluoromethane	1.874	101	2849	1.016	ug/l	88
8) Diethyl Ether	2.130	74	1032	1.014	ug/l #	37
9) 1,1,2-Trichlorotrifluo...	2.325	101	1564	0.923	ug/l #	88
10) Methyl Iodide	2.447	142	1869	0.851	ug/l	99
11) Tert butyl alcohol	2.953	59	3020	8.291	ug/l #	78
12) 1,1-Dichloroethene	2.307	96	1737	1.005	ug/l	85
13) Acrolein	2.239	56	2228	5.928	ug/l	100
14) Allyl chloride	2.654	41	3164	1.013	ug/l	90
15) Acrylonitrile	3.069	53	4527	4.655	ug/l	95
16) Acetone	2.380	43	4095	5.188	ug/l	92
17) Carbon Disulfide	2.502	76	4531	0.956	ug/l #	88
18) Methyl Acetate	2.697	43	2367	0.950	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	5206	0.946	ug/l #	87
20) Methylene Chloride	2.782	84	2005	1.037	ug/l #	90
21) trans-1,2-Dichloroethene	3.087	96	1631	0.959	ug/l	96
22) Diisopropyl ether	3.764	45	5496	0.930	ug/l #	75
23) Vinyl Acetate	3.727	43	20663	4.288	ug/l	99
24) 1,1-Dichloroethane	3.605	63	3099	0.937	ug/l #	93
25) 2-Butanone	4.587	43	5660	4.416	ug/l	93
26) 2,2-Dichloropropane	4.471	77	2566	0.978	ug/l	76
27) cis-1,2-Dichloroethene	4.489	96	1825	0.893	ug/l	91
28) Bromochloromethane	4.910	49	1702	1.071	ug/l #	75
29) Tetrahydrofuran	5.026	42	4014	4.716	ug/l	99
30) Chloroform	5.093	83	3132	0.976	ug/l	94
31) Cyclohexane	5.458	56	2960	0.971	ug/l #	80
32) 1,1,1-Trichloroethane	5.379	97	2721	1.000	ug/l #	50
36) 1,1-Dichloropropene	5.684	75	2399	1.006	ug/l	94
37) Ethyl Acetate	4.721	43	1004	0.379	ug/l #	72
38) Carbon Tetrachloride	5.666	117	2322	0.994	ug/l #	74
39) Methylcyclohexane	7.379	83	2589	0.840	ug/l	96
40) Benzene	6.038	78	6963	0.935	ug/l	94

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 11 01:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	621	0.438 ug/l #	29
42) 1,2-Dichloroethane	6.099	62	2120	0.894 ug/l	84
43) Isopropyl Acetate	6.355	43	3839	0.897 ug/l #	88
44) Trichloroethene	7.135	130	1487	0.874 ug/l	76
45) 1,2-Dichloropropane	7.440	63	1746	0.943 ug/l #	86
46) Dibromomethane	7.592	93	1202	0.936 ug/l	95
47) Bromodichloromethane	7.818	83	2176	0.875 ug/l	93
48) Methyl methacrylate	7.720	41	1675	0.830 ug/l	92
49) 1,4-Dioxane	7.696	88	867	20.015 ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	11169	4.290 ug/l	96
52) Toluene	8.714	92	3943	0.889 ug/l	100
53) t-1,3-Dichloropropene	8.994	75	2119	0.842 ug/l	90
54) cis-1,3-Dichloropropene	8.366	75	2300	0.820 ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	1558	0.914 ug/l #	86
56) Ethyl methacrylate	9.128	69	2346	0.852 ug/l #	84
57) 1,3-Dichloropropane	9.311	76	2699	0.905 ug/l	95
58) 2-Chloroethyl Vinyl ether	8.251	63	5401	3.996 ug/l	97
59) 2-Hexanone	9.439	43	7952	4.240 ug/l	95
60) Dibromochloromethane	9.525	129	1613	0.885 ug/l	96
61) 1,2-Dibromoethane	9.610	107	1534	0.888 ug/l	97
64) Tetrachloroethene	9.275	164	1339	0.971 ug/l	91
65) Chlorobenzene	10.080	112	4234	0.902 ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.165	131	1320	0.874 ug/l #	64
67) Ethyl Benzene	10.195	91	7388	0.892 ug/l	98
68) m/p-Xylenes	10.299	106	5387	1.763 ug/l	100
69) o-Xylene	10.640	106	2889	0.942 ug/l	97
70) Styrene	10.659	104	3974	0.804 ug/l	97
71) Bromoform	10.799	173	813	0.721 ug/l #	95
73) Isopropylbenzene	10.964	105	6778	0.928 ug/l	99
74) N-amyl acetate	10.848	43	2596	0.785 ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	2594	1.033 ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	2567	1.276 ug/l	82
77) Bromobenzene	11.201	156	1537	0.928 ug/l	90
78) n-propylbenzene	11.305	91	7347	0.871 ug/l	98
79) 2-Chlorotoluene	11.366	91	5188	1.001 ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	5410	0.913 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.024	75	587	0.751 ug/l #	79
82) 4-Chlorotoluene	11.457	91	5367	0.936 ug/l	99
83) tert-Butylbenzene	11.713	119	5620	0.937 ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	4876	0.833 ug/l	88
85) sec-Butylbenzene	11.890	105	6700	0.902 ug/l	99
86) p-Isopropyltoluene	12.006	119	5161	0.864 ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	2933	0.963 ug/l	97
88) 1,4-Dichlorobenzene	11.969	146	2933	0.952 ug/l	99
89) n-Butylbenzene	12.335	91	3880	0.734 ug/l	93
90) Hexachloroethane	12.536	117	968	0.866 ug/l	98
91) 1,2-Dichlorobenzene	12.341	146	2744	0.917 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	367	0.801 ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1560	0.861 ug/l	86
94) Hexachlorobutadiene	13.725	225	695	0.966 ug/l	99
95) Naphthalene	13.780	128	5125	0.783 ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	1557	0.853 ug/l	93

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 11 01:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

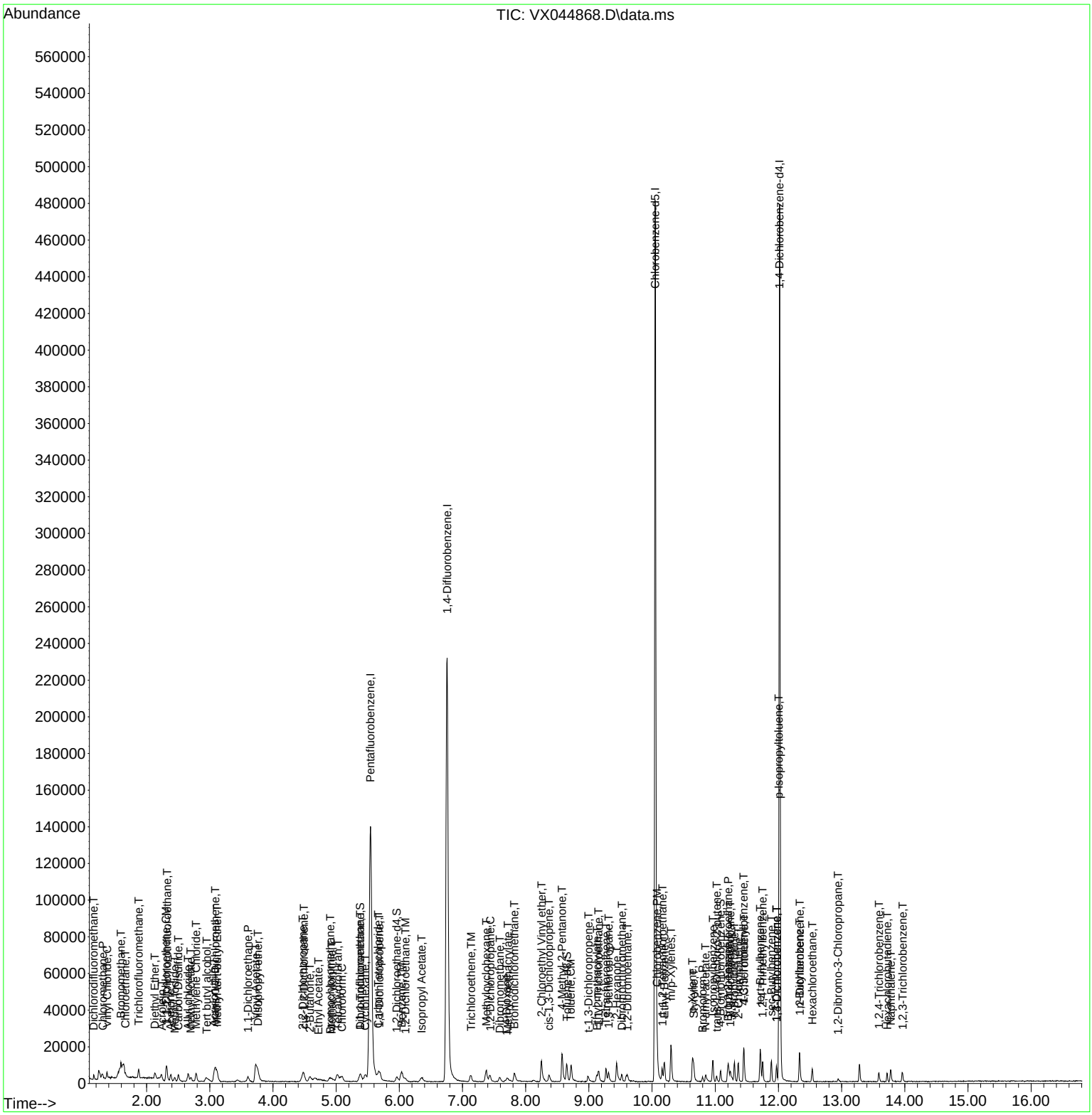
(#) = qualifier out of range (m) = manual integration (+) = signals summed

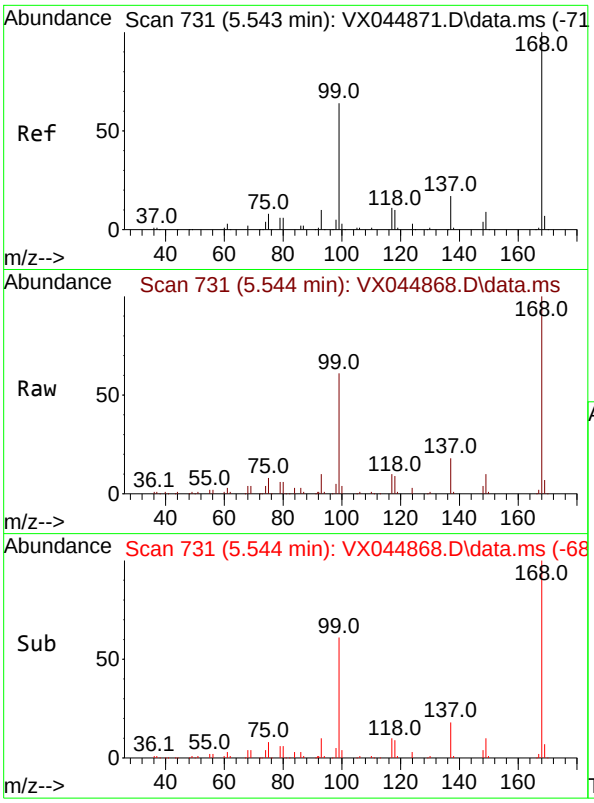
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 11 01:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration



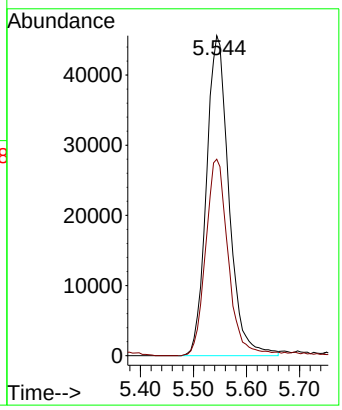


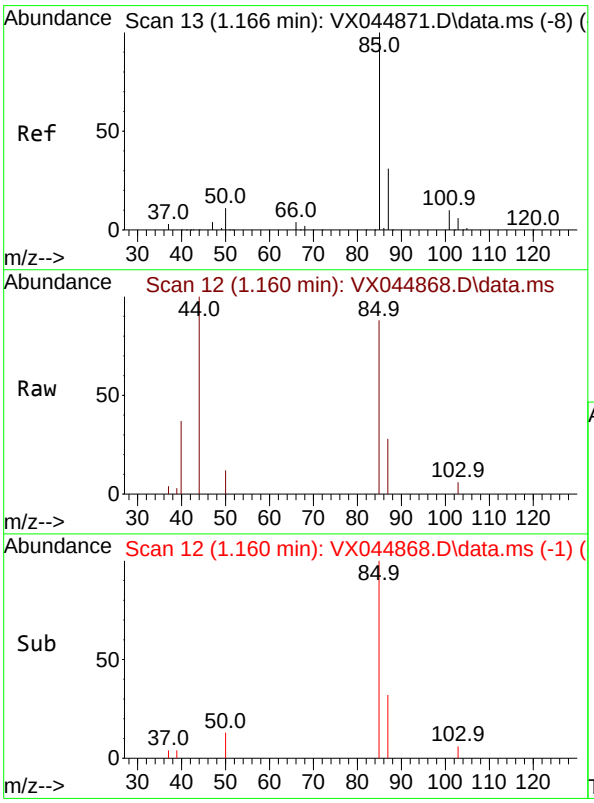
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 134134

Ion	Ratio	Lower	Upper
168	100		
99	61.4	51.2	76.8

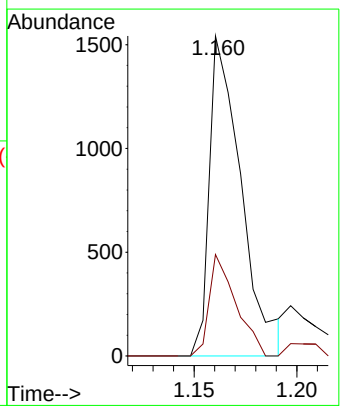


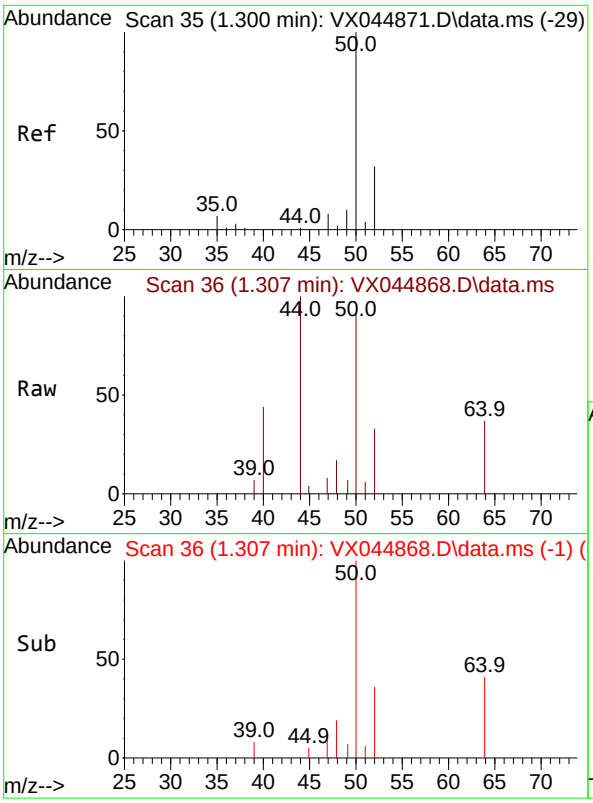


#2
Dichlorodifluoromethane
Concen: 0.880 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 85 Resp: 1655

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.8	47.3



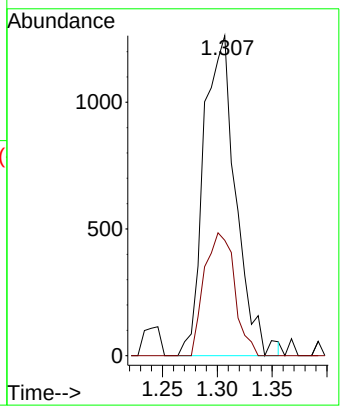


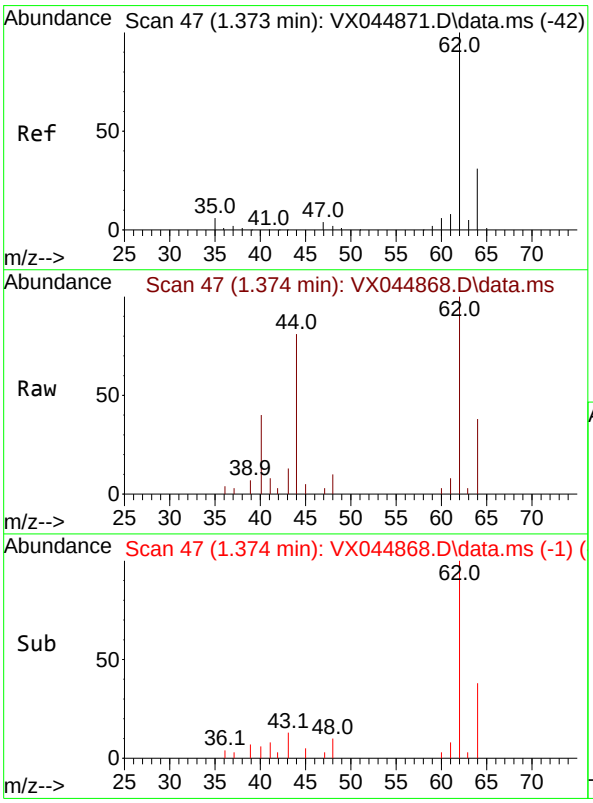
#3
Chloromethane
Concen: 1.123 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2571

Ion	Ratio	Lower	Upper
50	100		
52	36.0	25.9	38.9

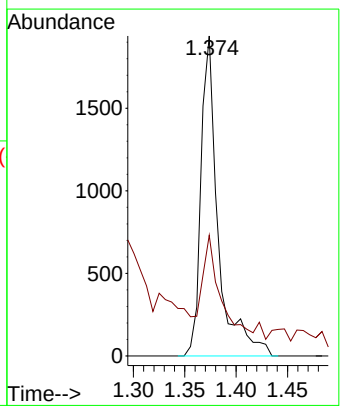


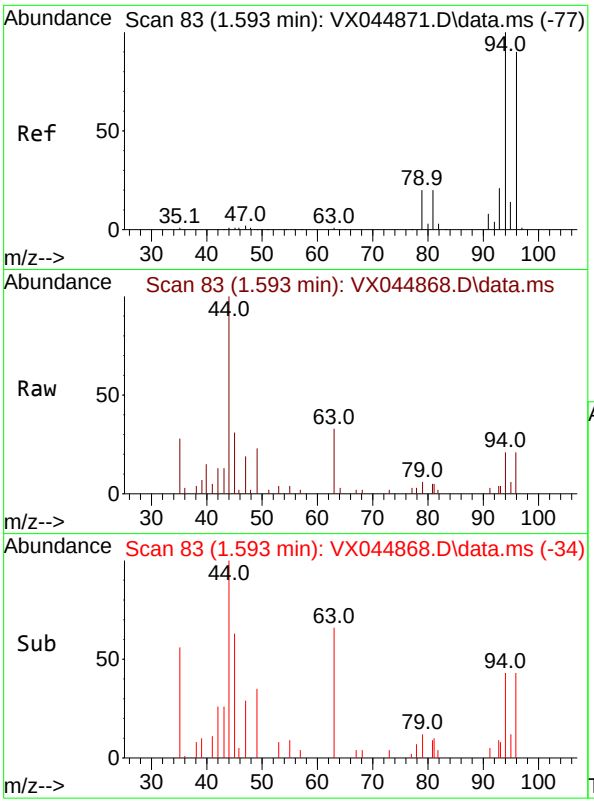


#4
Vinyl Chloride
Concen: 1.015 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 62 Resp: 2252

Ion	Ratio	Lower	Upper
62	100		
64	29.4	25.4	38.0



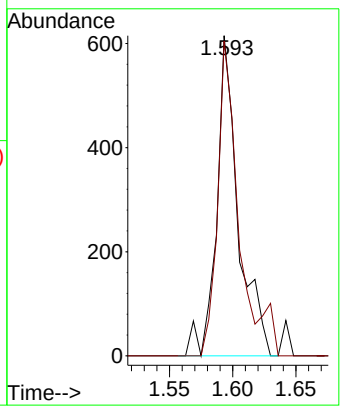


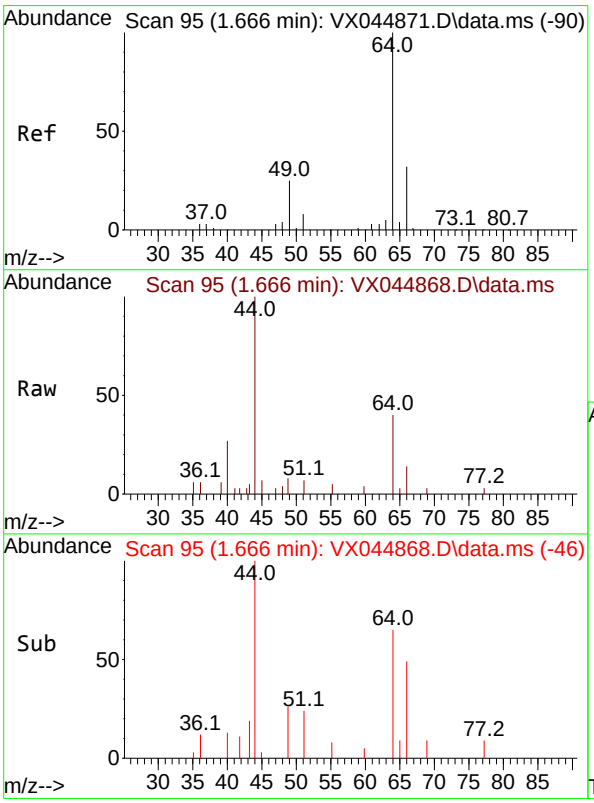
#5
Bromomethane
Concen: 1.095 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 727

Ion	Ratio	Lower	Upper
94	100		
96	98.4	71.6	107.4

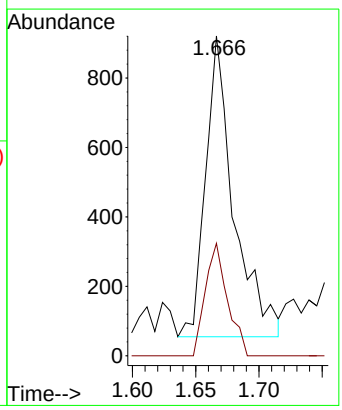


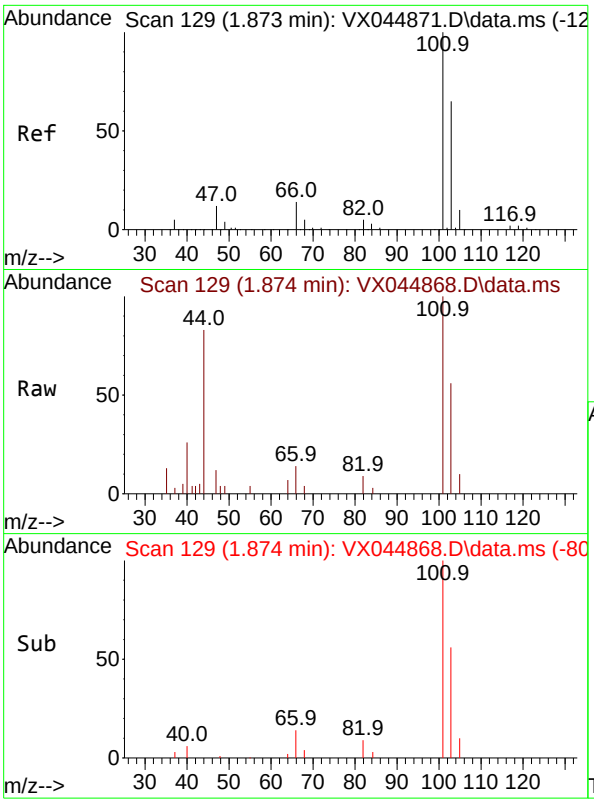


#6
Chloroethane
Concen: 2.609 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 64 Resp: 1341

Ion	Ratio	Lower	Upper
64	100		
66	37.4	25.9	38.9



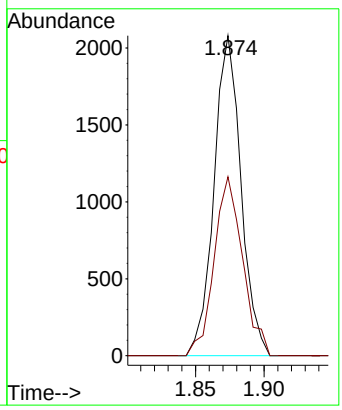


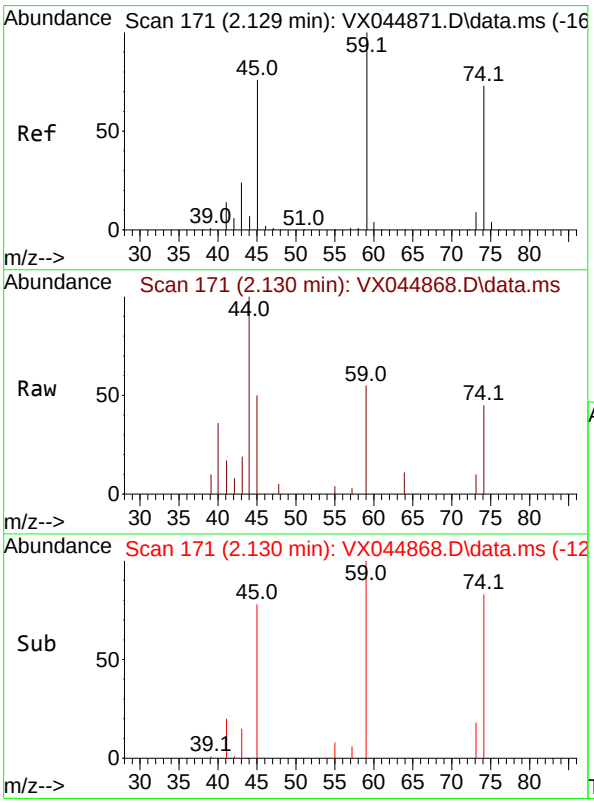
#7
Trichlorofluoromethane
Concen: 1.016 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2849

Ion	Ratio	Lower	Upper
101	100		
103	55.9	52.4	78.6

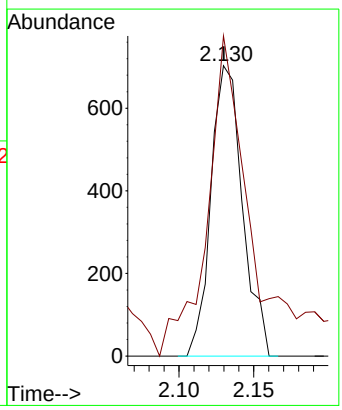


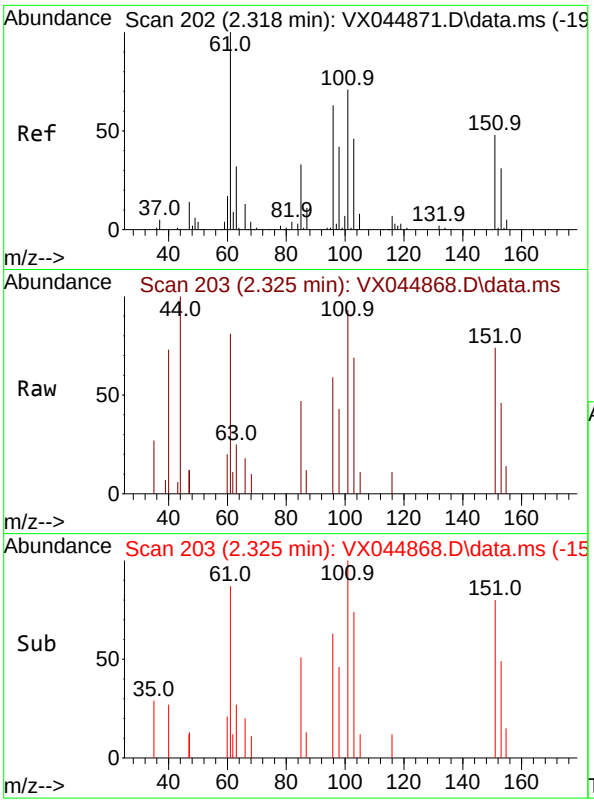


#8
Diethyl Ether
Concen: 1.014 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 74 Resp: 1032

Ion	Ratio	Lower	Upper
74	100		
45	166.1	51.1	153.4#



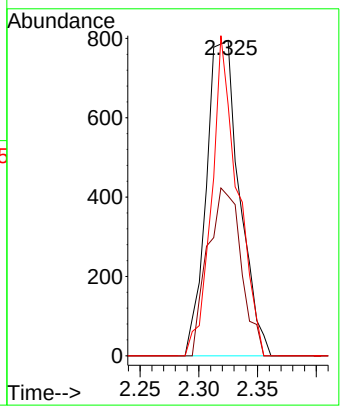


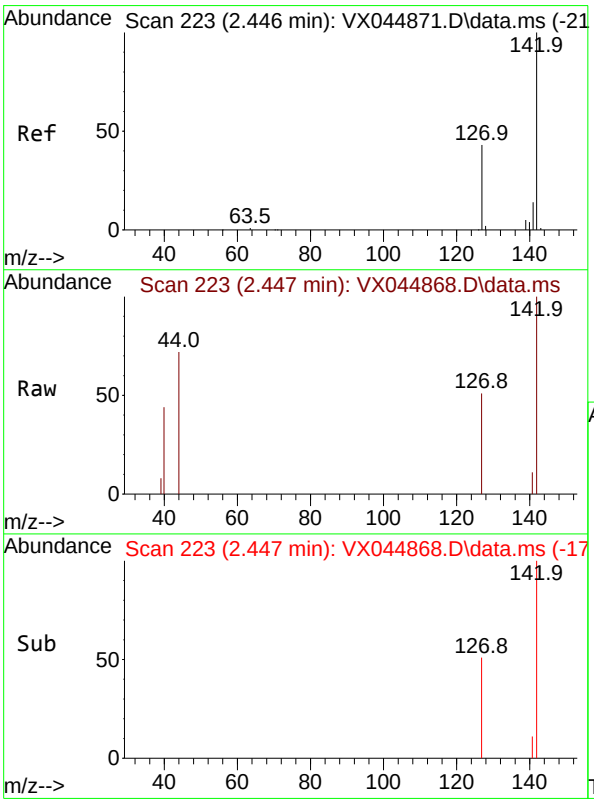
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.923 ug/l
RT: 2.325 min Scan# 2(
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1564

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

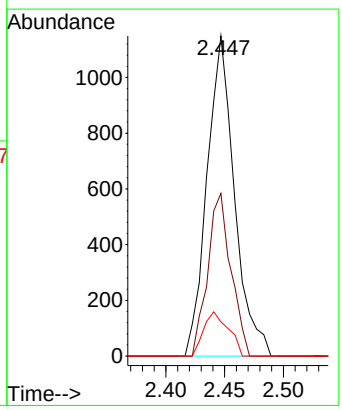


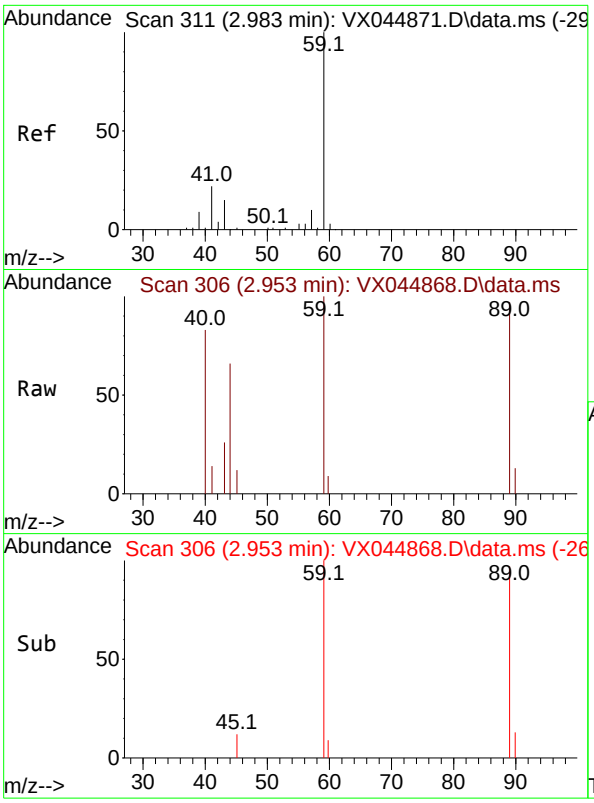


#10
Methyl Iodide
Concen: 0.851 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:142 Resp: 1869

Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.3	51.5
141	12.4	11.4	17.2



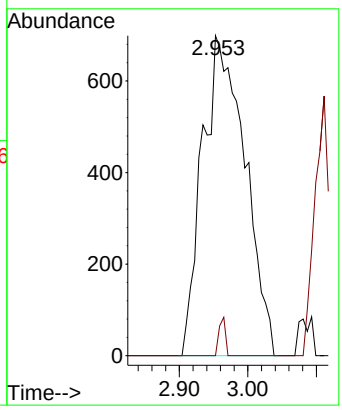


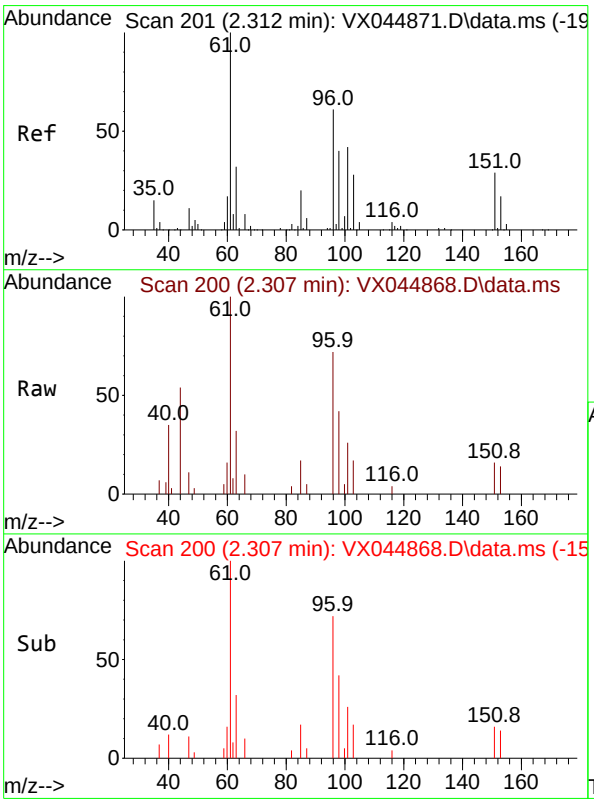
#11
Tert butyl alcohol
Concen: 8.291 ug/l
RT: 2.953 min Scan# 3(
Delta R.T. -0.030 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 3020

Ion	Ratio	Lower	Upper
59	100		
57	1.8	8.1	12.1#

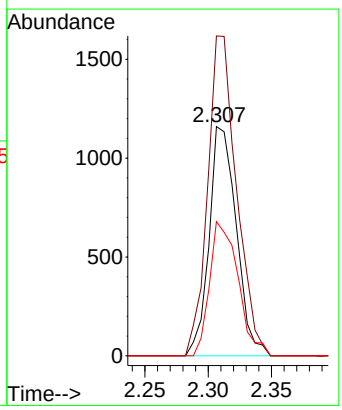


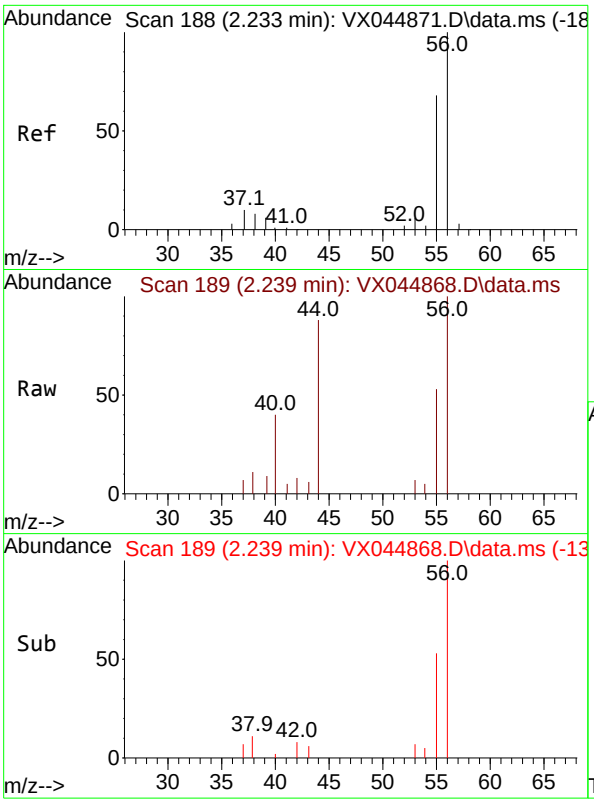


#12
1,1-Dichloroethene
Concen: 1.005 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 96 Resp: 1737

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



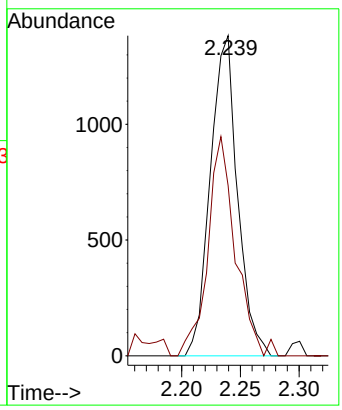


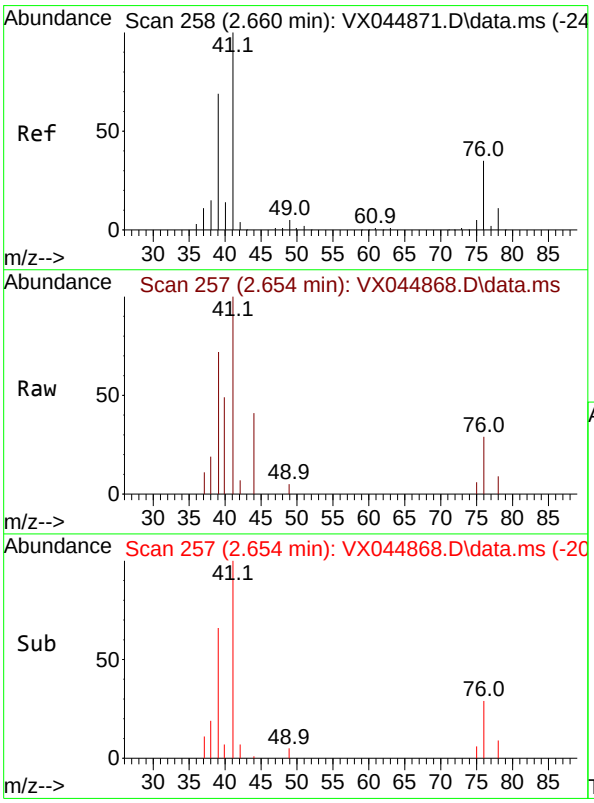
#13
Acrolein
Concen: 5.928 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2228

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.7	83.5

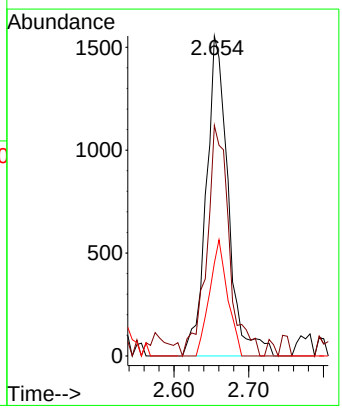


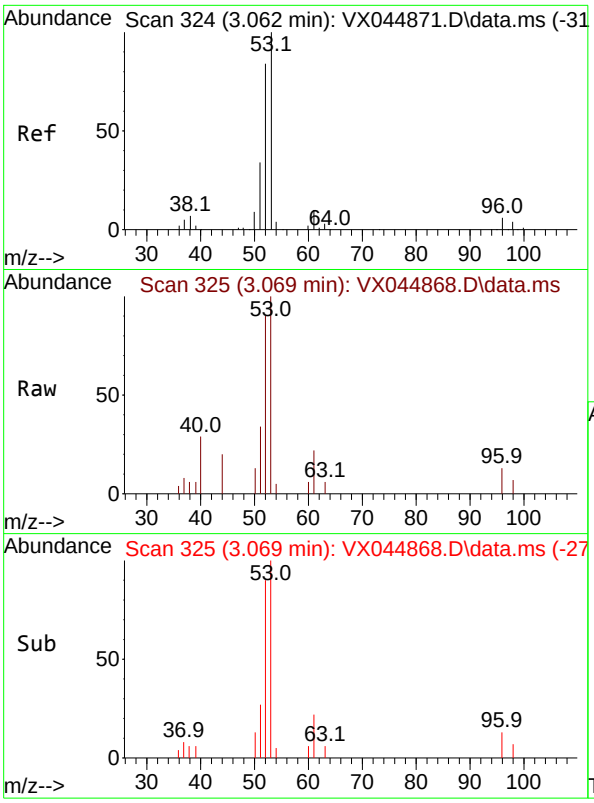


#14
Allyl chloride
Concen: 1.013 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 3164

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



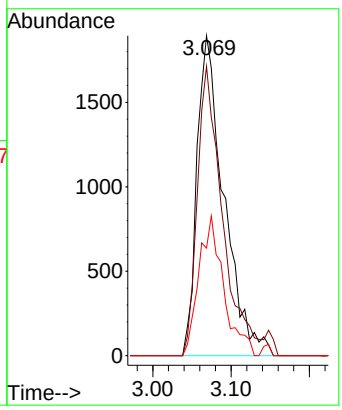


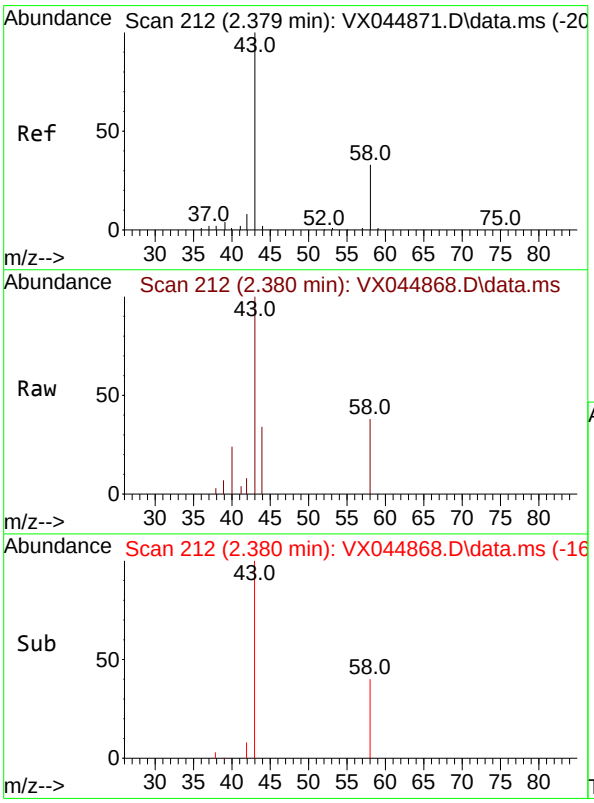
#15
Acrylonitrile
Concen: 4.655 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4527

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

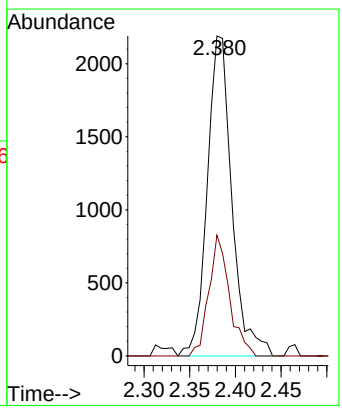


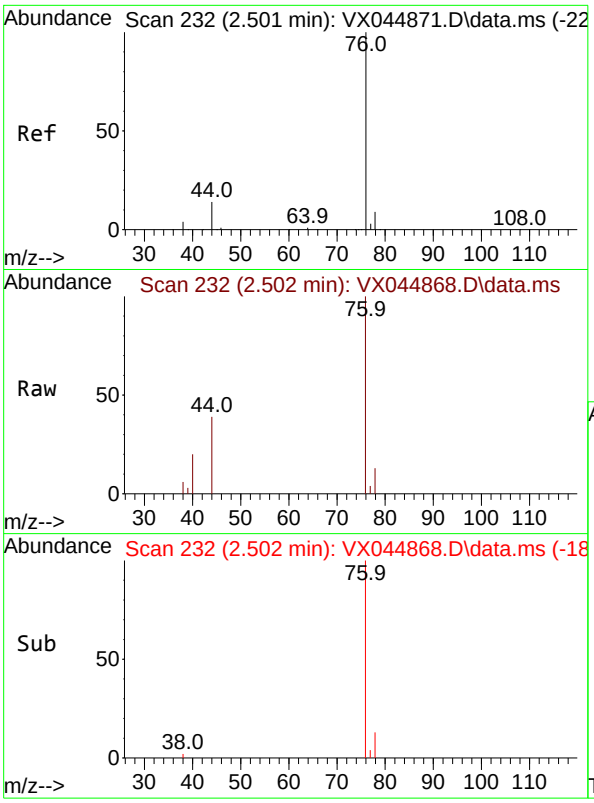


#16
Acetone
Concen: 5.188 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 4095

Ion	Ratio	Lower	Upper
43	100		
58	37.8	26.5	39.7



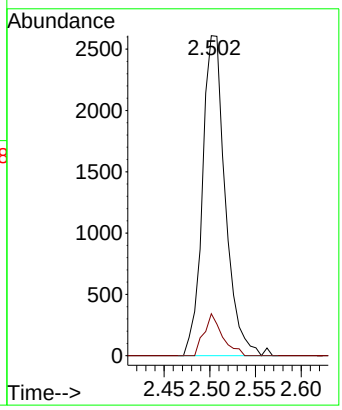


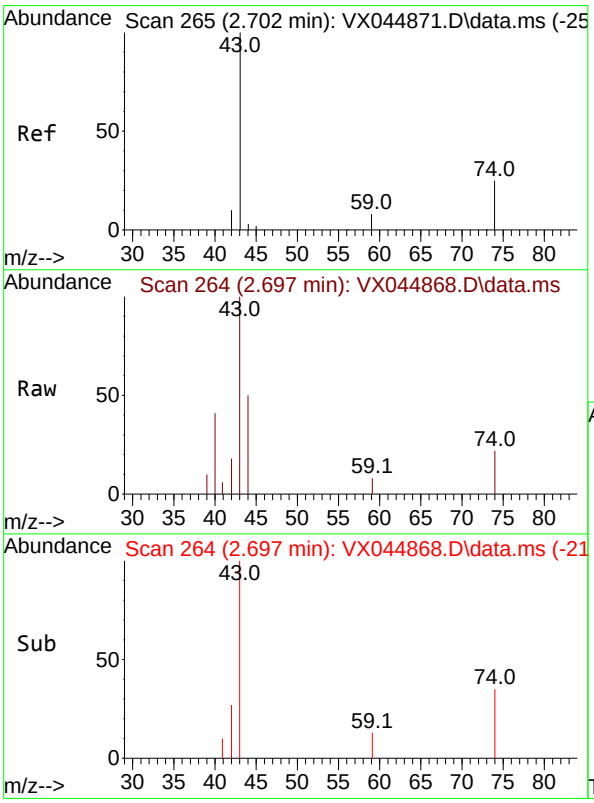
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 4531

Ion	Ratio	Lower	Upper
76	100		
78	13.1	7.0	10.4#

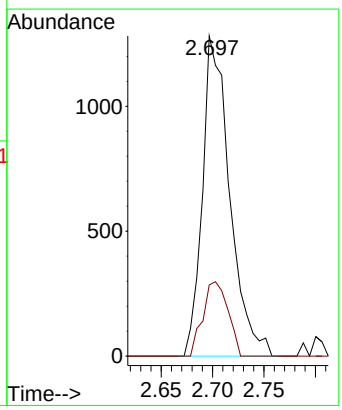


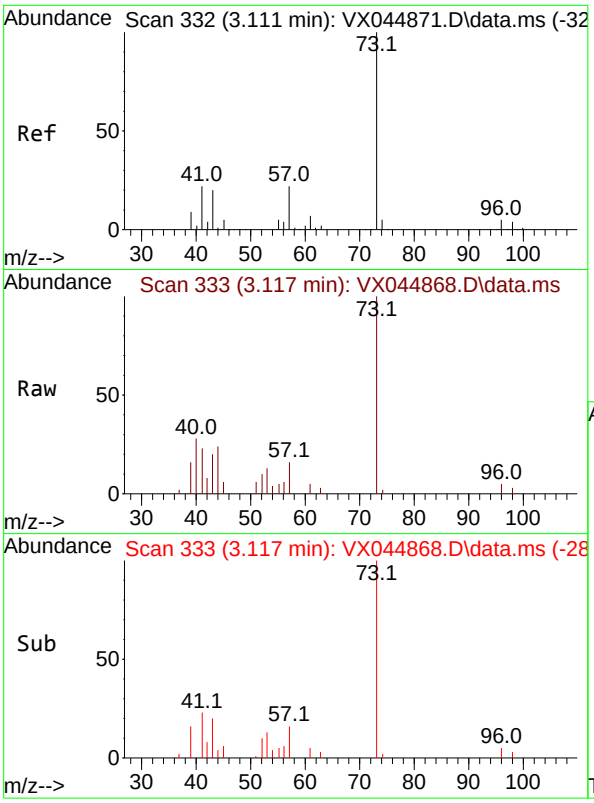


#18
Methyl Acetate
Concen: 0.950 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2367

Ion	Ratio	Lower	Upper
43	100		
74	21.3	18.9	28.3



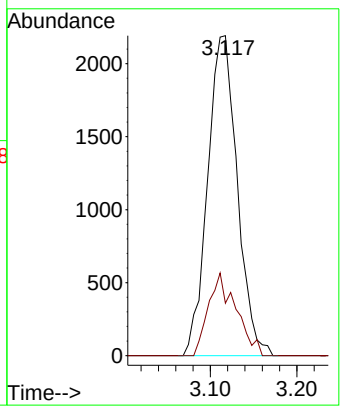


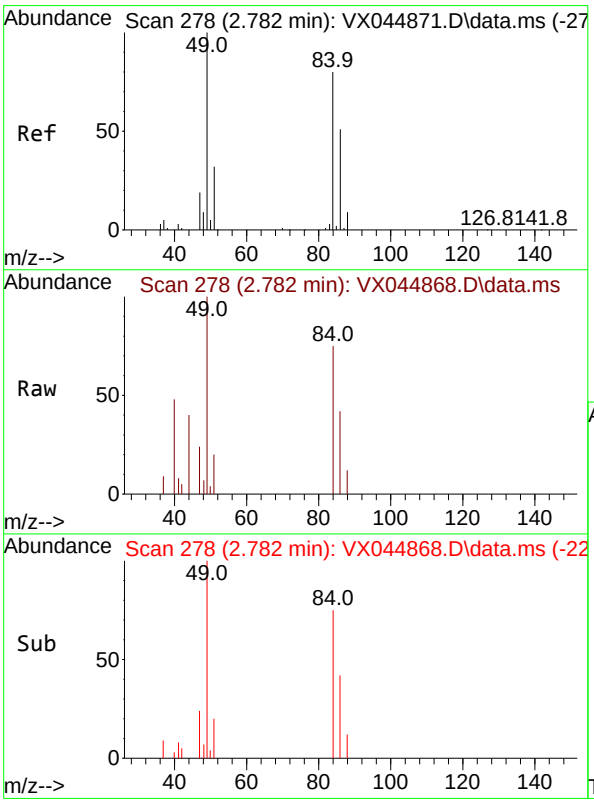
#19
Methyl tert-butyl Ether
Concen: 0.946 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 5206

Ion	Ratio	Lower	Upper
73	100		
57	16.4	17.9	26.9#

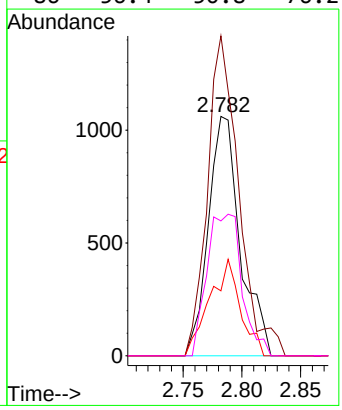


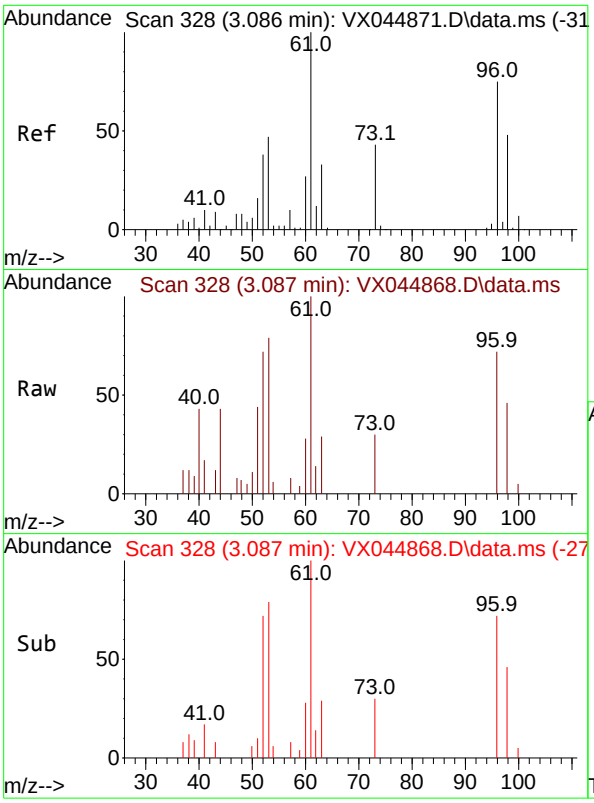


#20
Methylene Chloride
Concen: 1.037 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 84 Resp: 2005

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



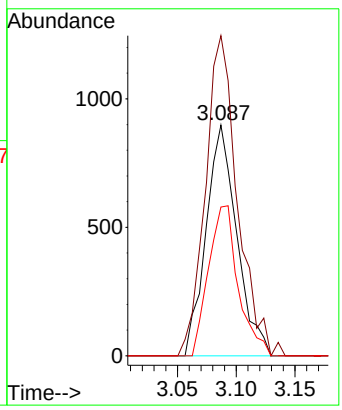


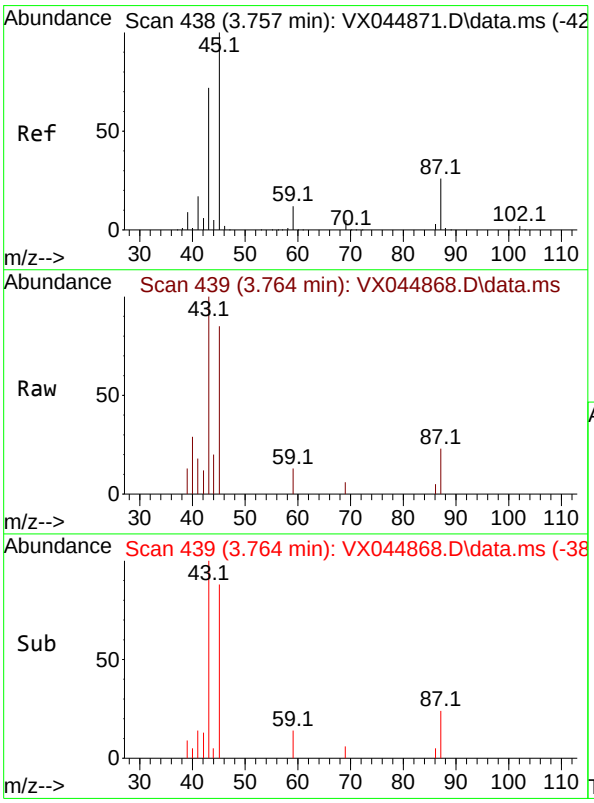
#21
trans-1,2-Dichloroethene
Concen: 0.959 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1631

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

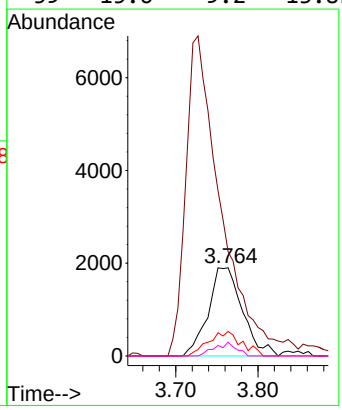


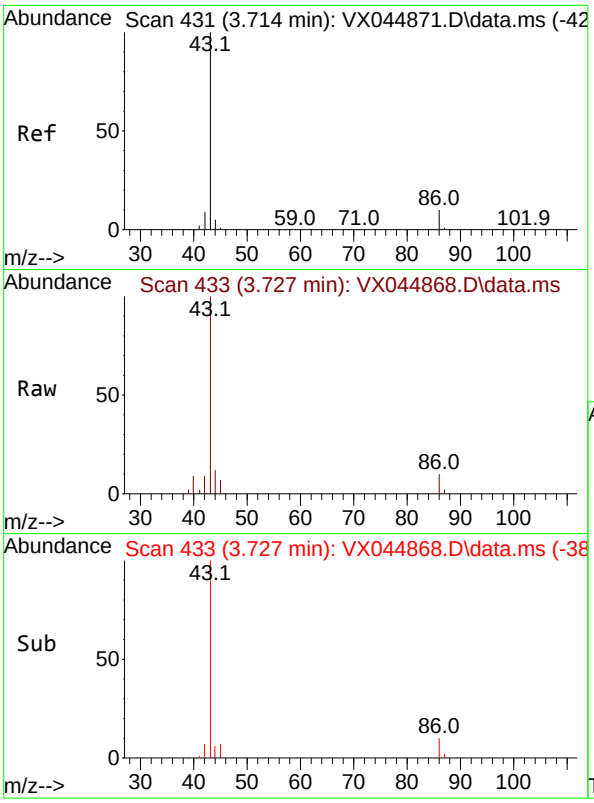


#22
Diisopropyl ether
Concen: 0.930 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 45 Resp: 5496

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



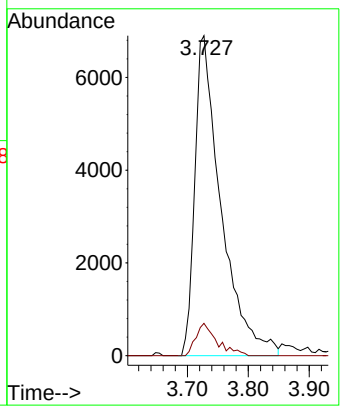


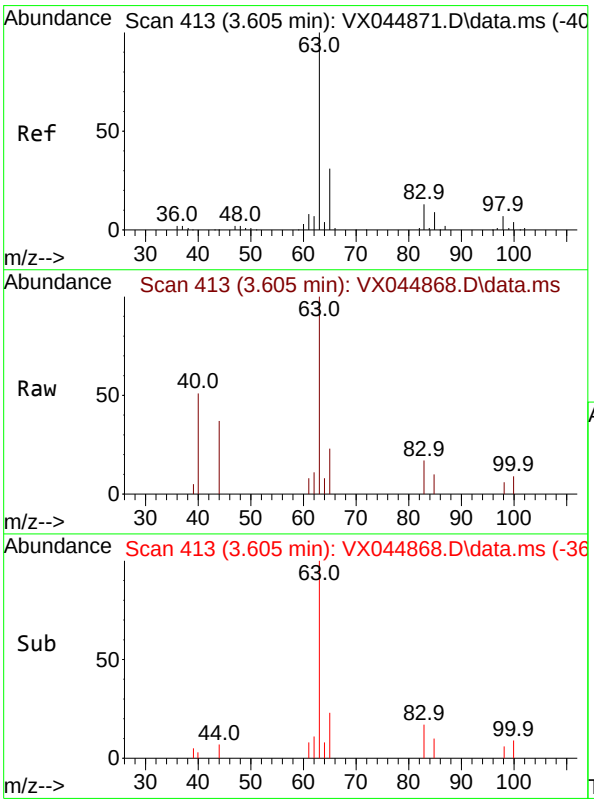
#23
Vinyl Acetate
Concen: 4.288 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 20663

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.3	12.5

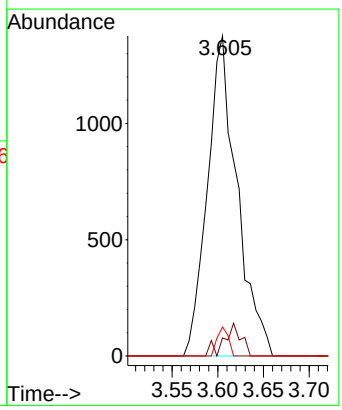


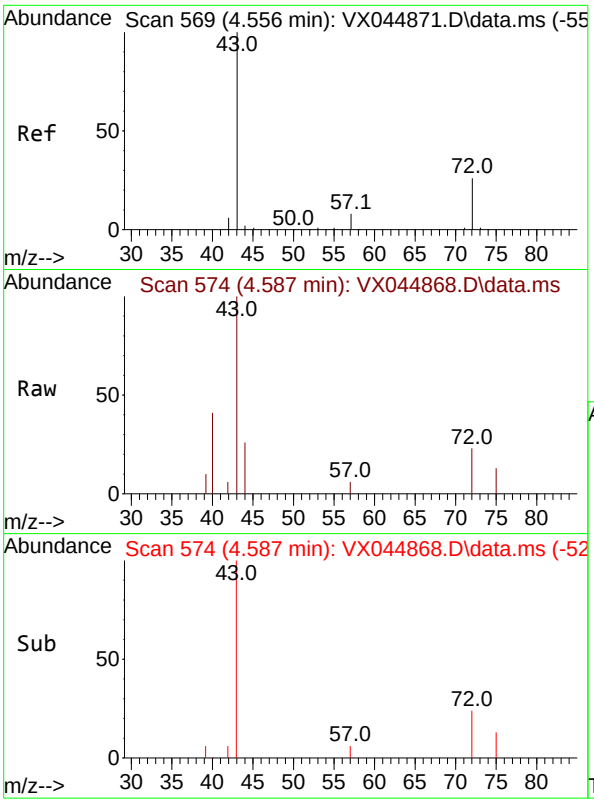


#24
1,1-Dichloroethane
Concen: 0.937 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 63 Resp: 3099

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



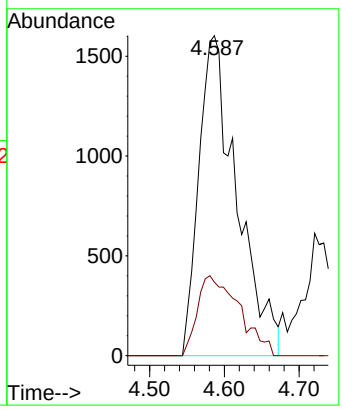


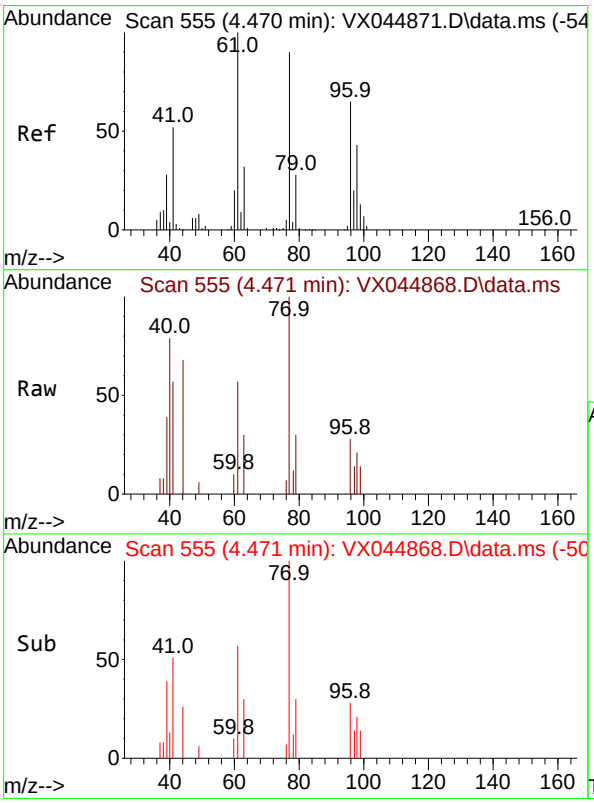
#25
2-Butanone
Concen: 4.416 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.031 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 5660

Ion	Ratio	Lower	Upper
43	100		
72	23.0	21.2	31.8

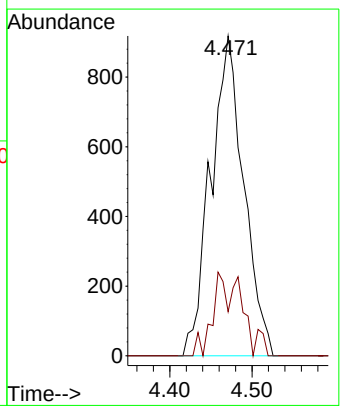


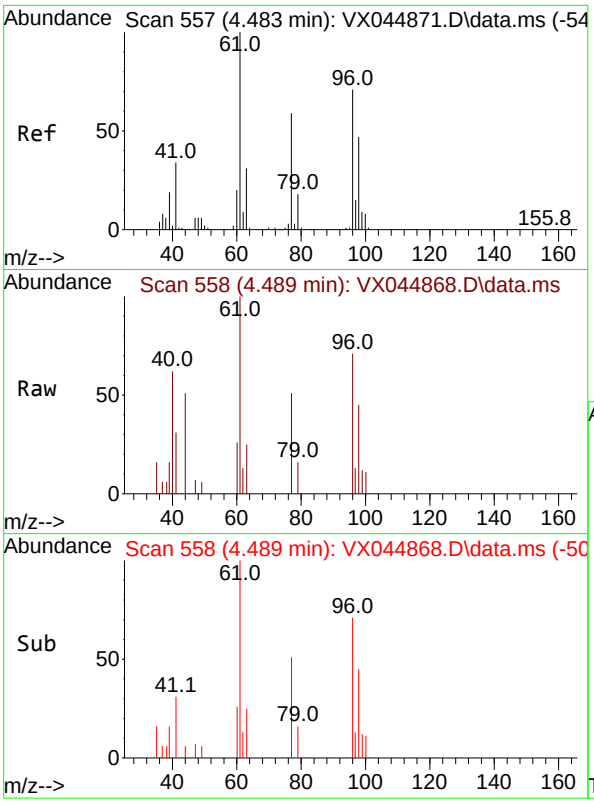


#26
2,2-Dichloropropane
Concen: 0.978 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 77 Resp: 2566

Ion	Ratio	Lower	Upper
77	100		
97	11.8	11.8	35.3



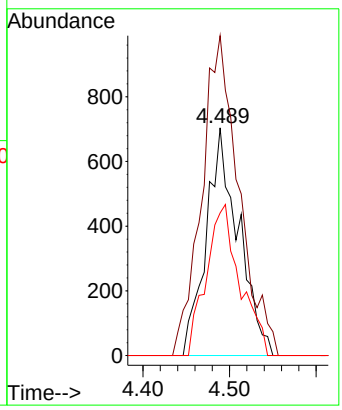


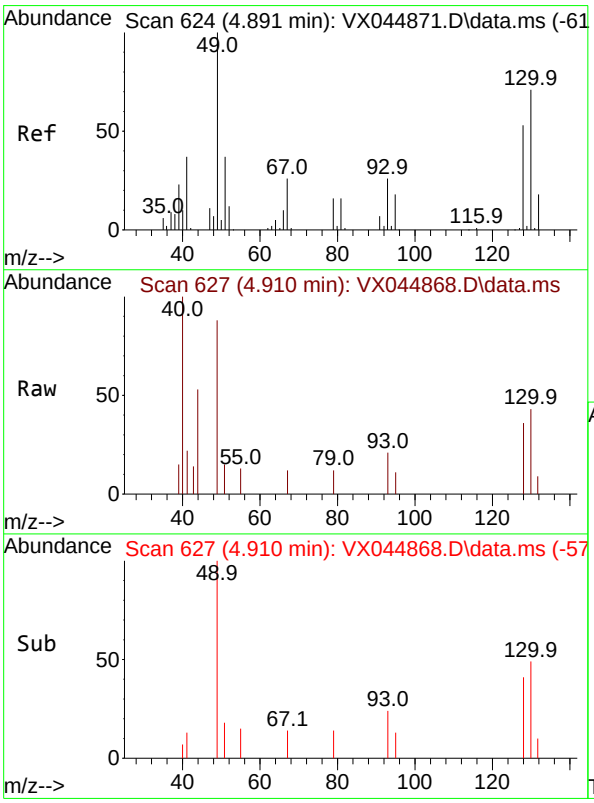
#27
cis-1,2-Dichloroethene
Concen: 0.893 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1825

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

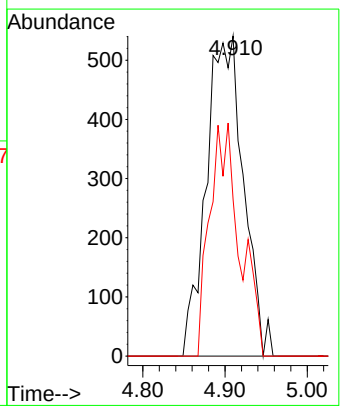


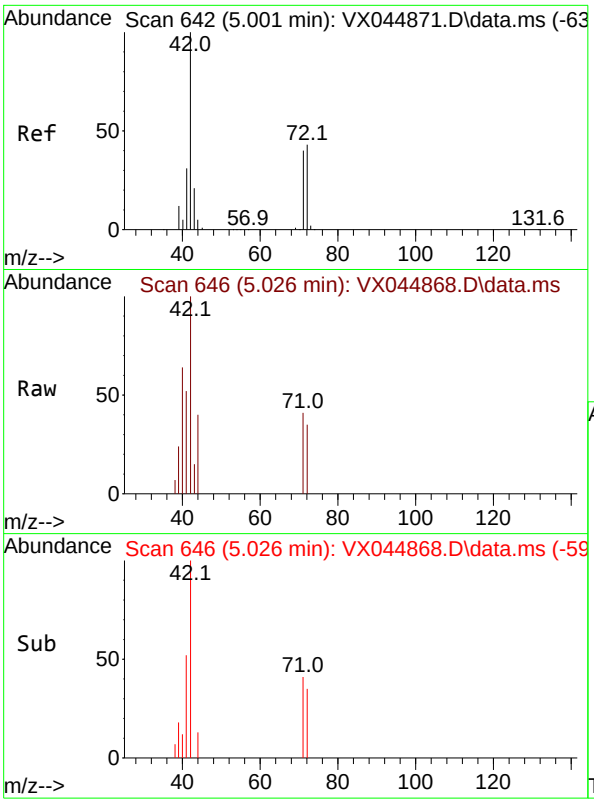


#28
Bromochloromethane
Concen: 1.071 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 49 Resp: 1702

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



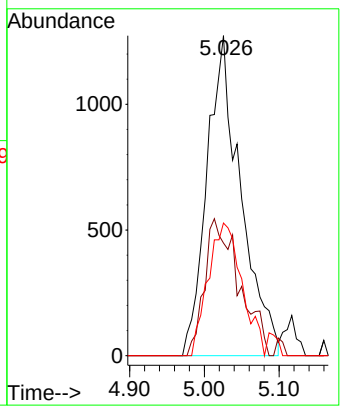


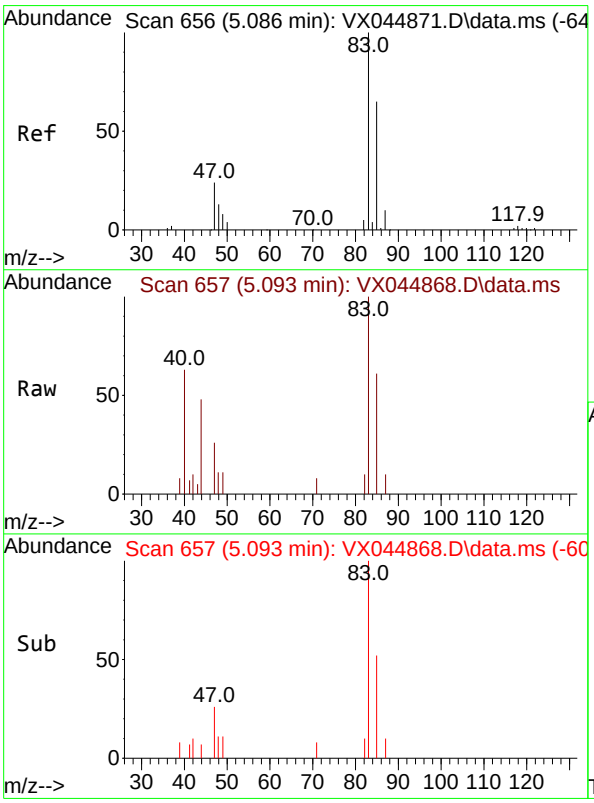
#29
Tetrahydrofuran
Concen: 4.716 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.025 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 4014

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

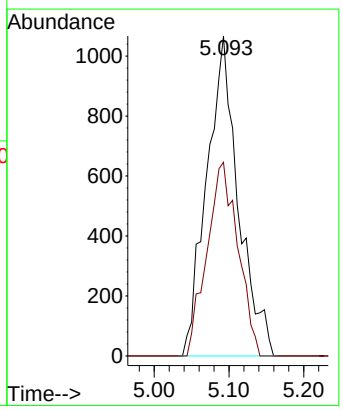


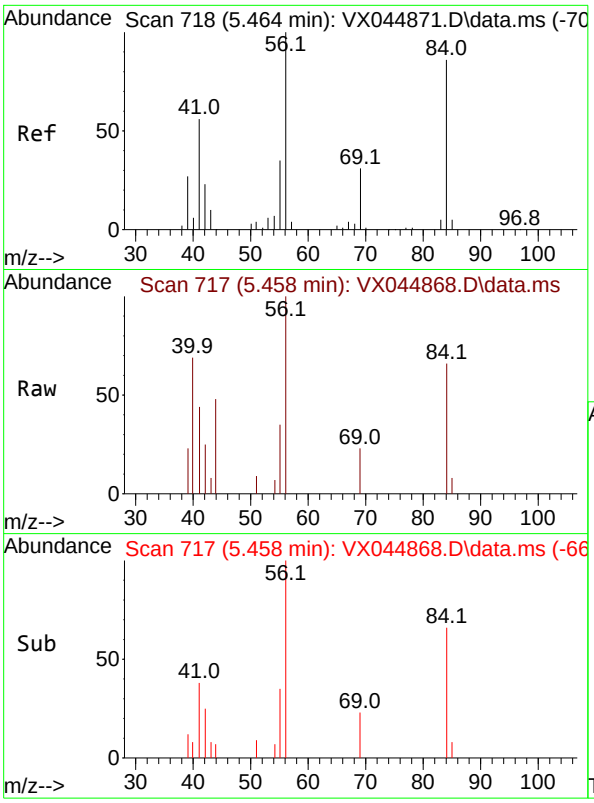


#30
Chloroform
Concen: 0.976 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 83 Resp: 3132

Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.1	78.1



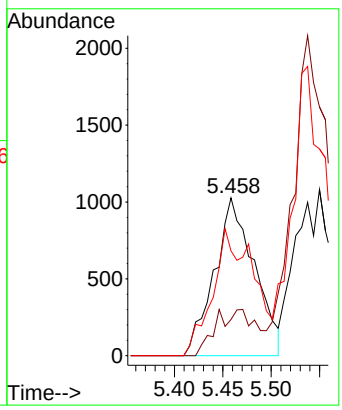


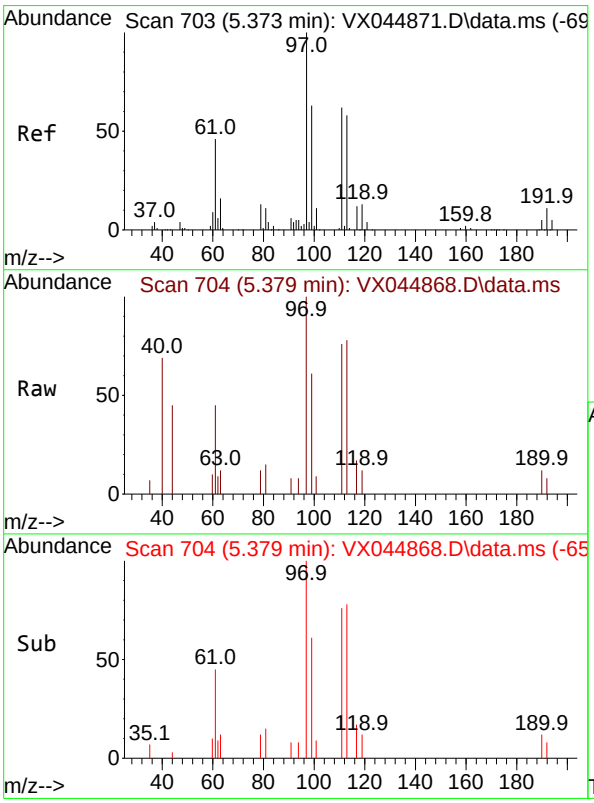
#31
Cyclohexane
Concen: 0.971 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2960

Ion	Ratio	Lower	Upper
56	100		
69	23.0	24.4	36.6#
84	66.4	69.0	103.6#

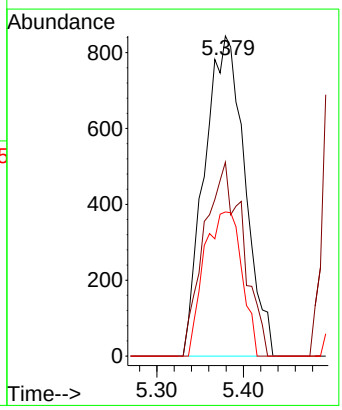


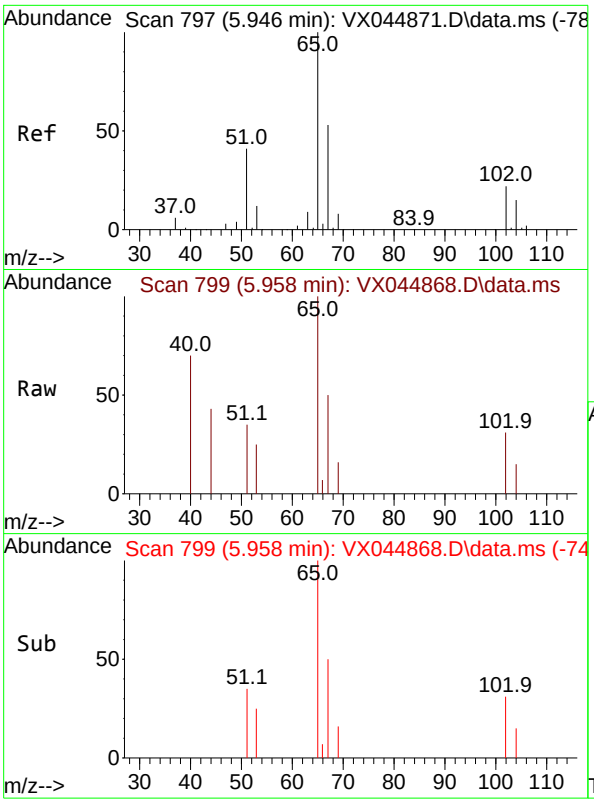


#32
1,1,1-Trichloroethane
Concen: 1.000 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 97 Resp: 2721

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



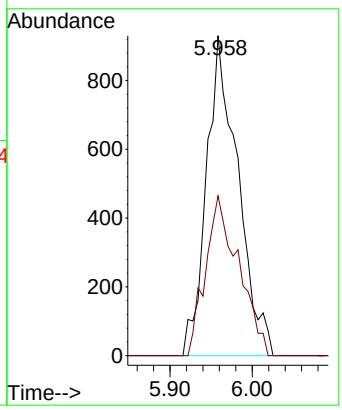


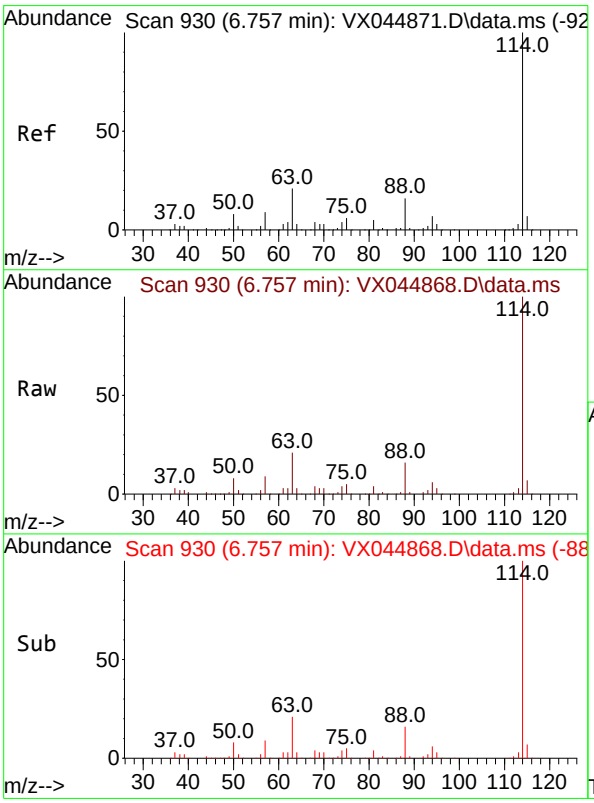
#33
1,2-Dichloroethane-d4
Concen: 1.259 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2473

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	108.2

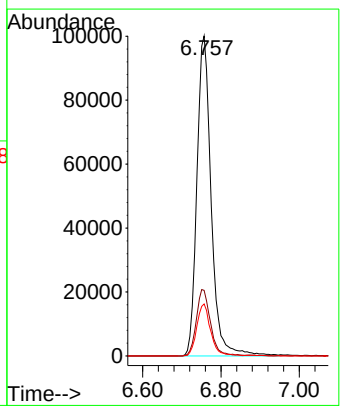


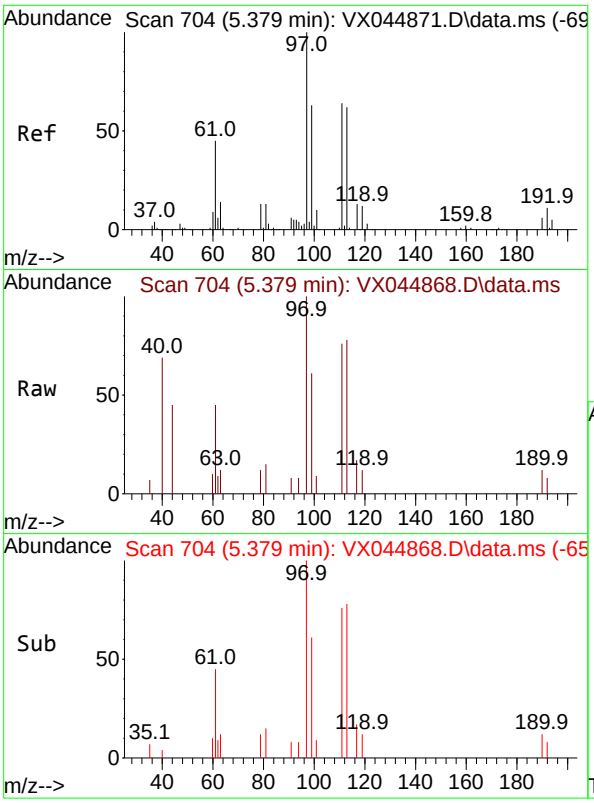


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:114 Resp: 254149

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



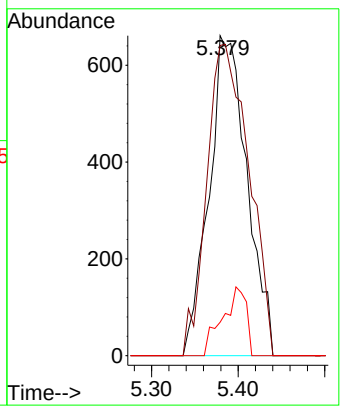


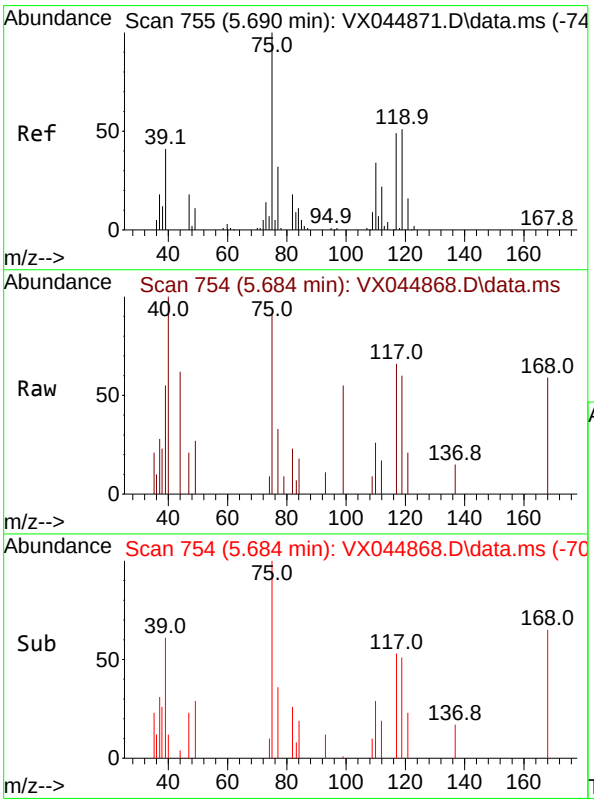
#35
Dibromofluoromethane
Concen: 1.218 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 2013

Ion	Ratio	Lower	Upper
113	100		
111	107.9	83.5	125.3
192	13.4	14.4	21.6#

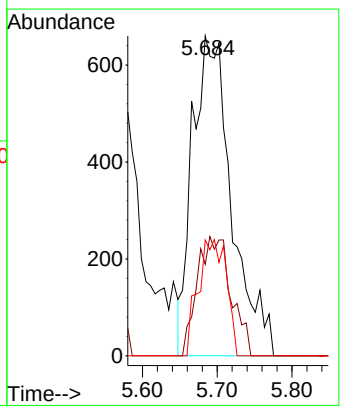


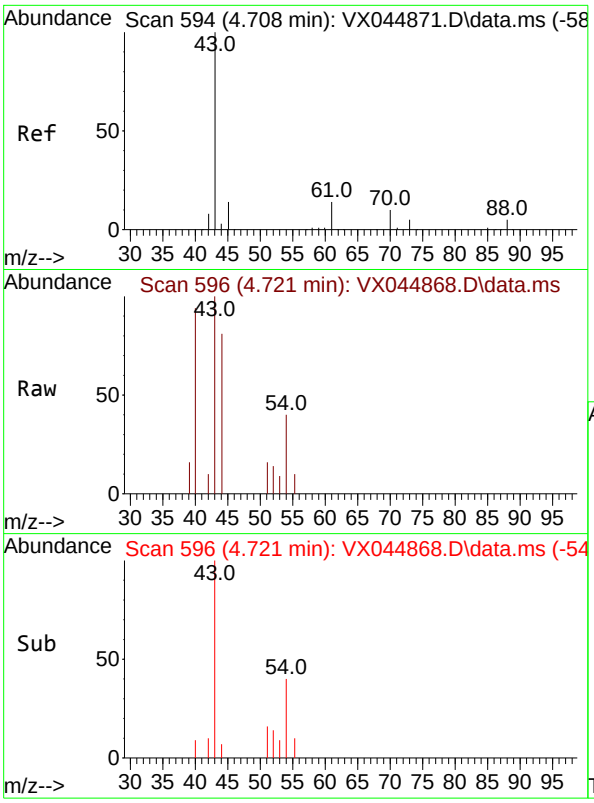


#36
1,1-Dichloropropene
Concen: 1.006 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2399

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



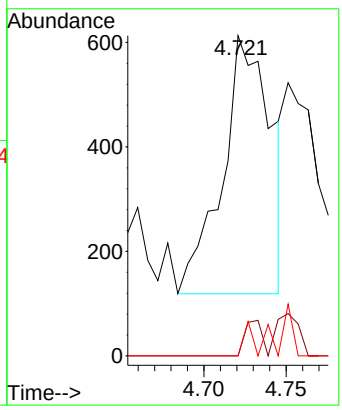


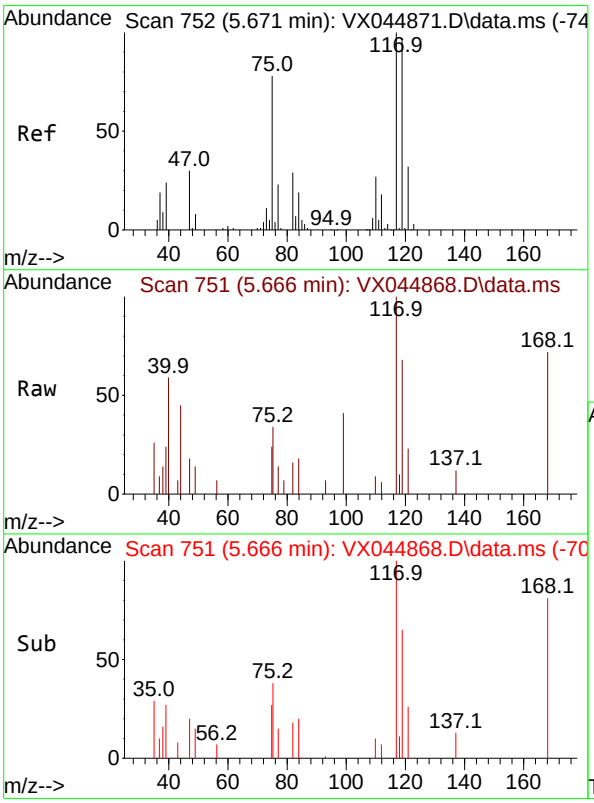
#37
Ethyl Acetate
Concen: 0.379 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1004

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	2.4	8.2	12.2#

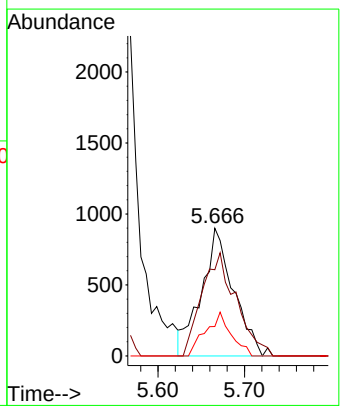


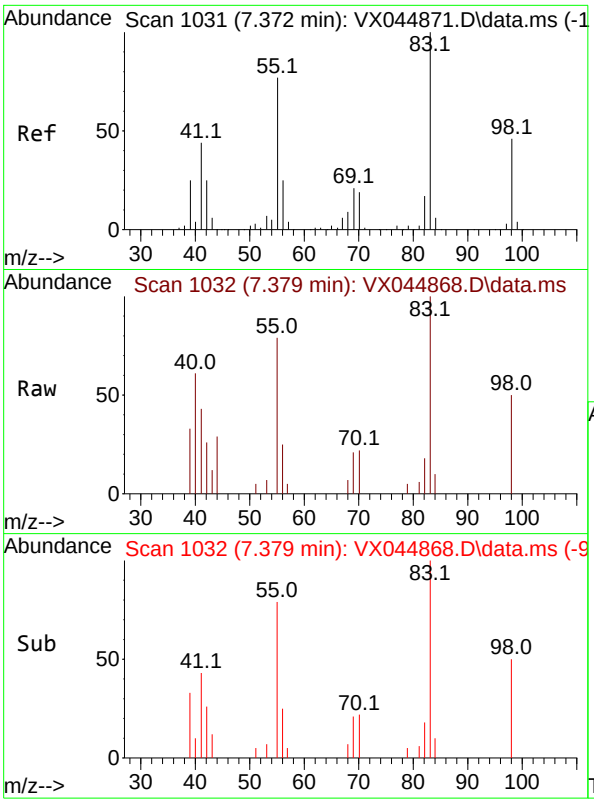


#38
Carbon Tetrachloride
Concen: 0.994 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:117 Resp: 2322

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



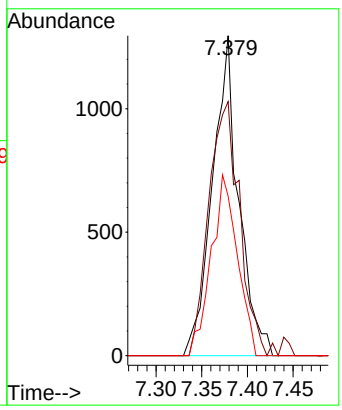


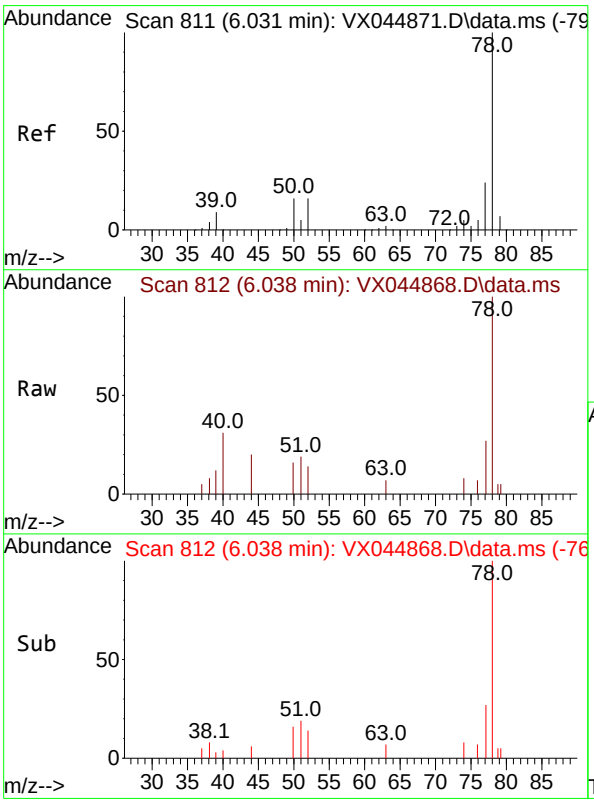
#39
Methylcyclohexane
Concen: 0.840 ug/l
RT: 7.379 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2589

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

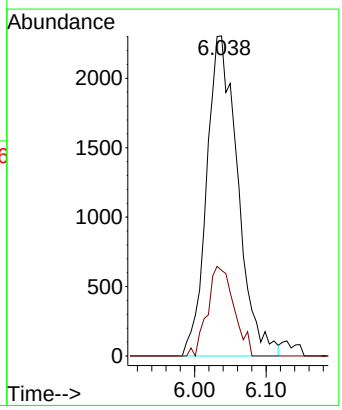


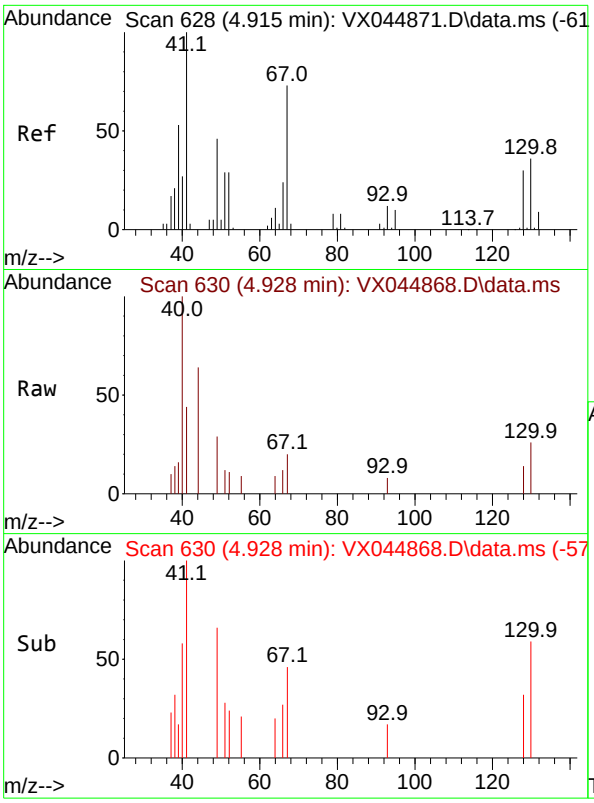


#40
Benzene
Concen: 0.935 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 78 Resp: 6963

Ion	Ratio	Lower	Upper
78	100		
77	26.8	19.0	28.6



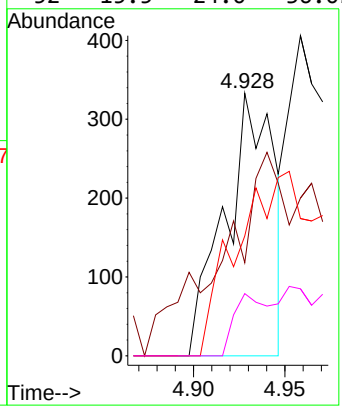


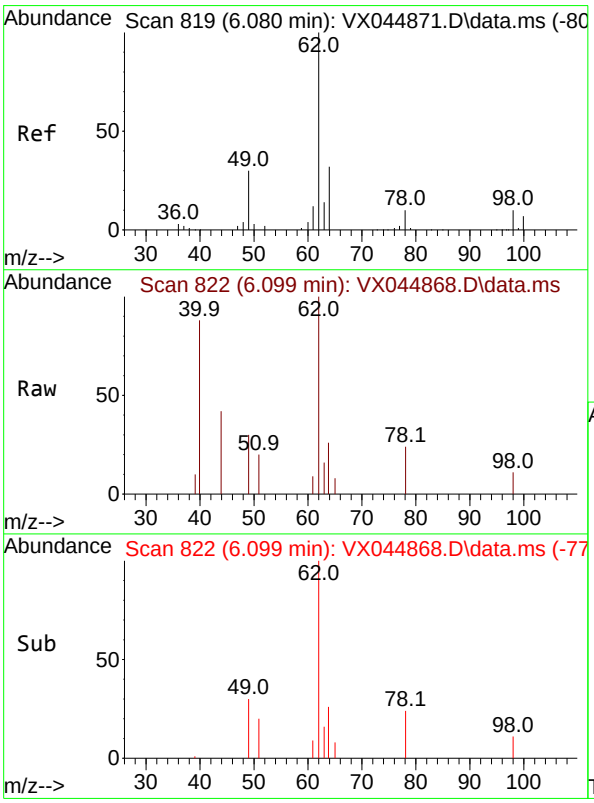
#41
Methacrylonitrile
Concen: 0.438 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 621

Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	57.0	85.6#
52	15.5	24.0	36.0#

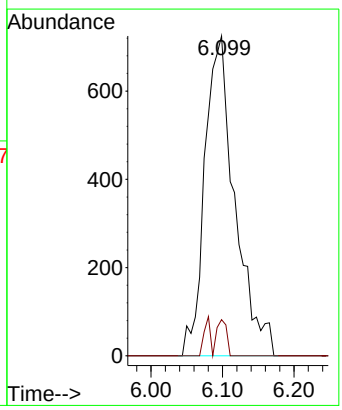


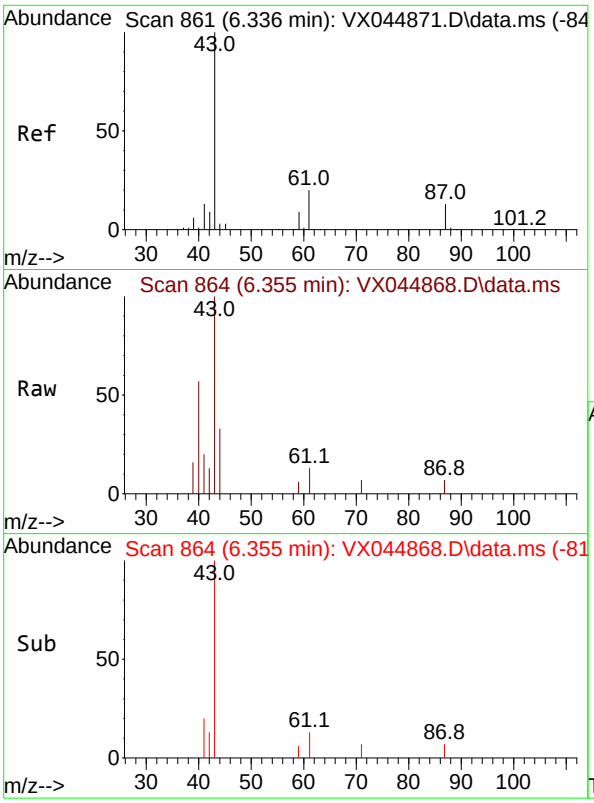


#42
1,2-Dichloroethane
Concen: 0.894 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 62 Resp: 2120

Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	19.4



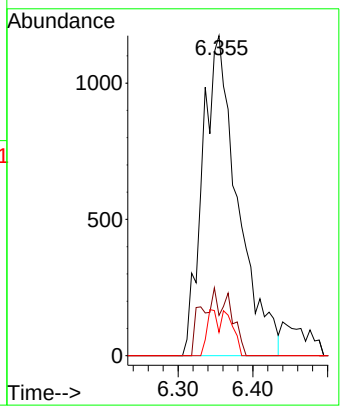


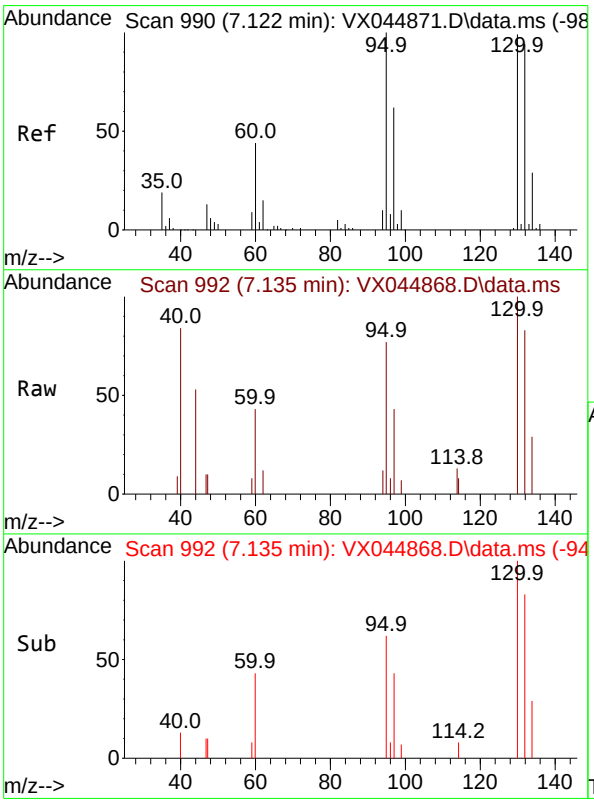
#43
Isopropyl Acetate
Concen: 0.897 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3839

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

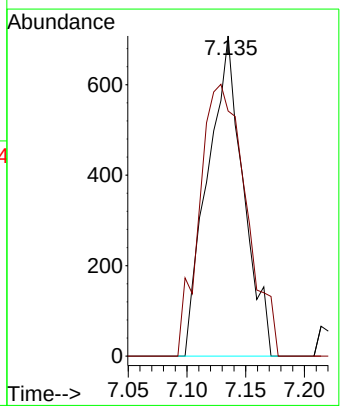


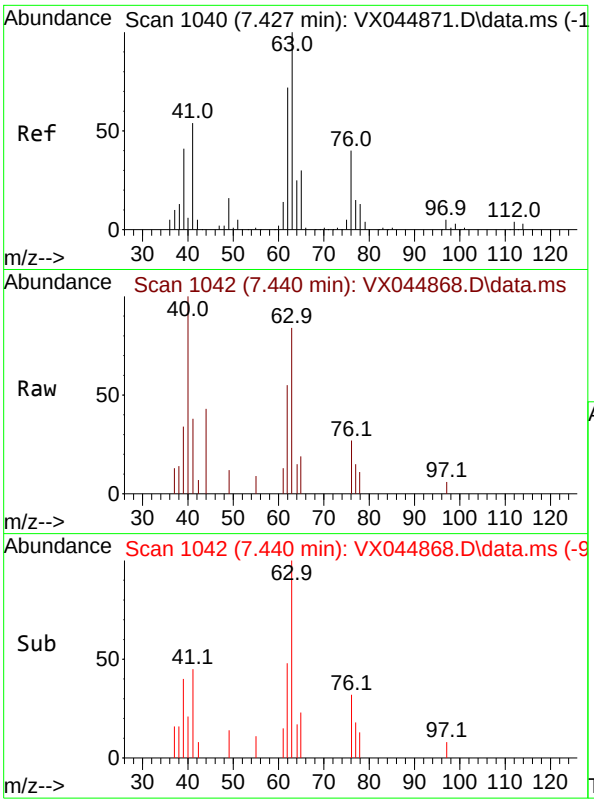


#44
Trichloroethene
Concen: 0.874 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:130 Resp: 1487

Ion	Ratio	Lower	Upper
130	100		
95	76.6	0.0	202.4



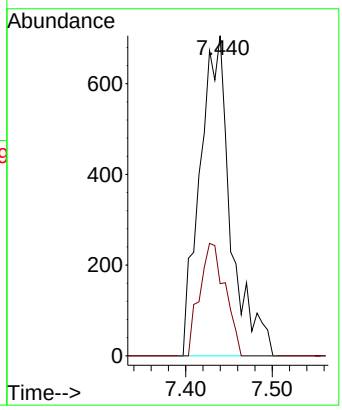


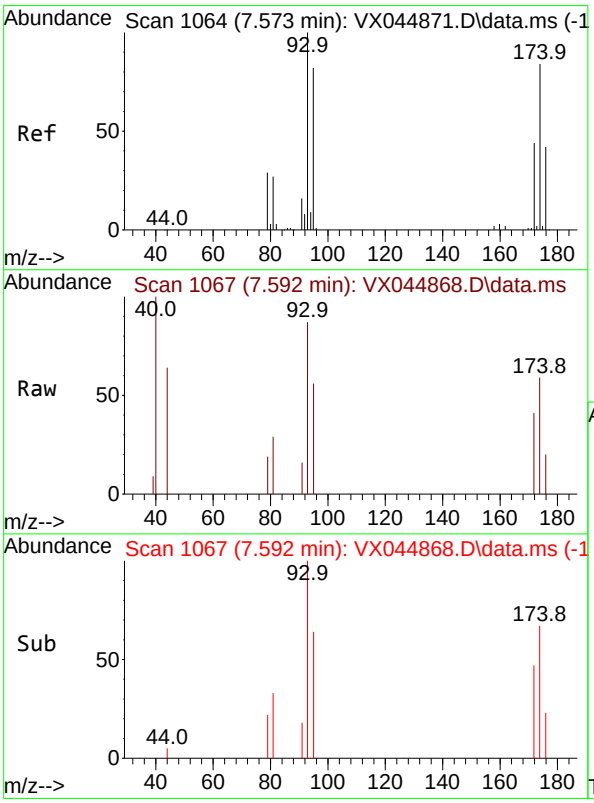
#45
1,2-Dichloropropane
Concen: 0.943 ug/l
RT: 7.440 min Scan# 1(
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1746

Ion	Ratio	Lower	Upper
63	100		
65	22.5	24.2	36.4#

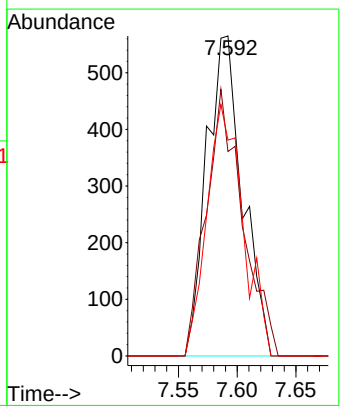


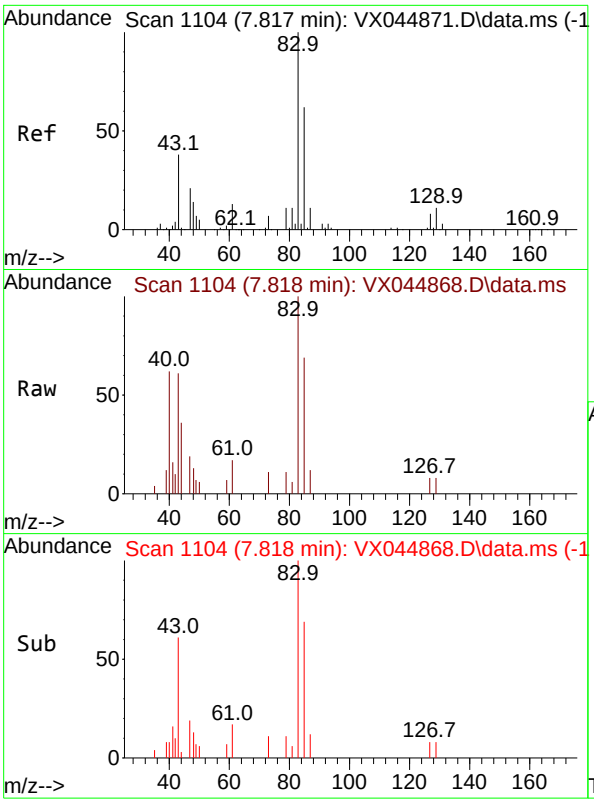


#46
Dibromomethane
Concen: 0.936 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 93 Resp: 1202

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



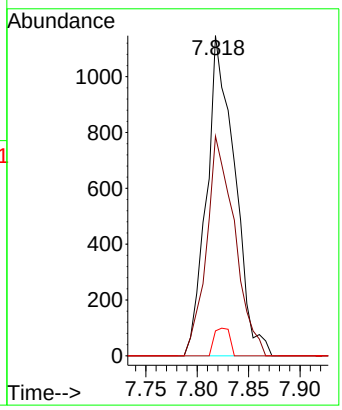


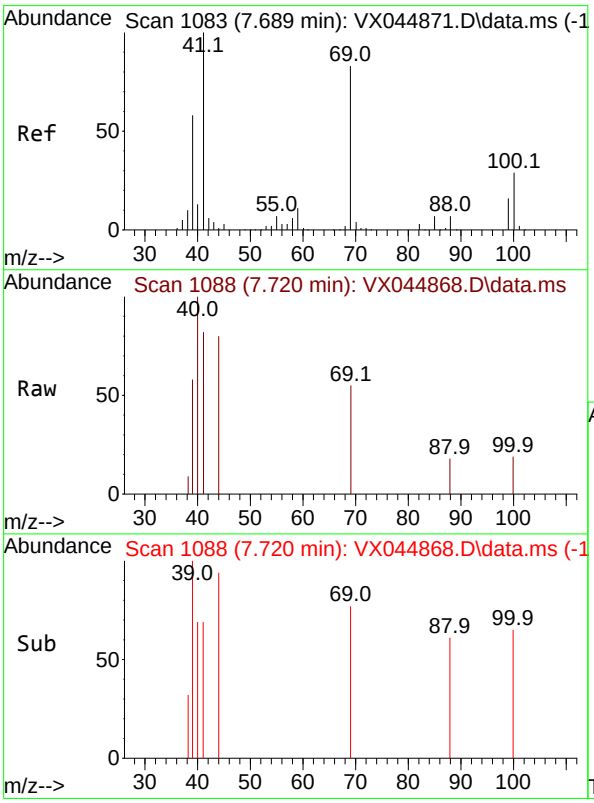
#47
Bromodichloromethane
Concen: 0.875 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2176

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

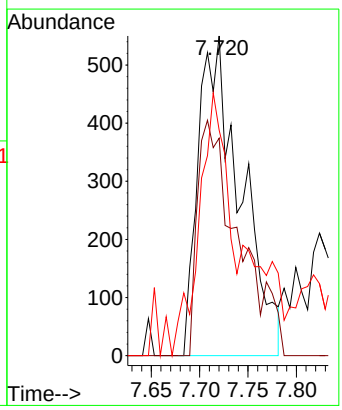


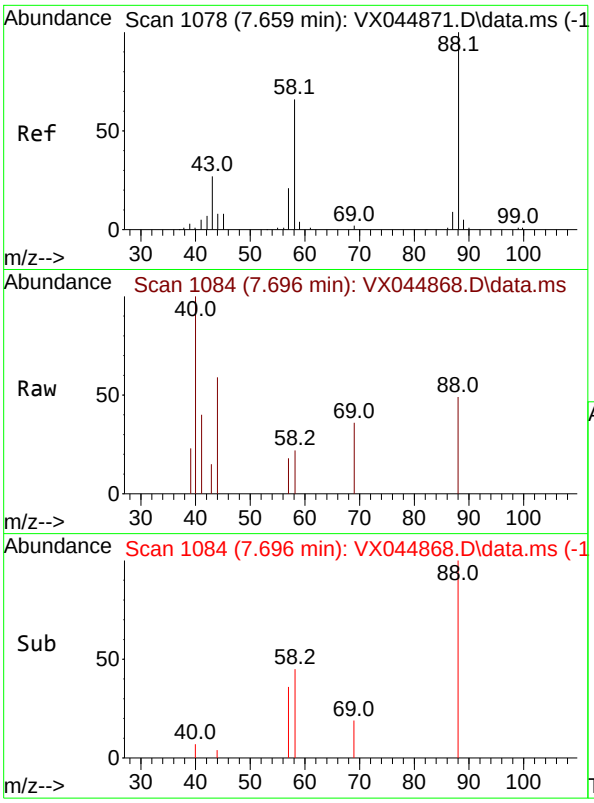


#48
Methyl methacrylate
Concen: 0.830 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.031 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 1675

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



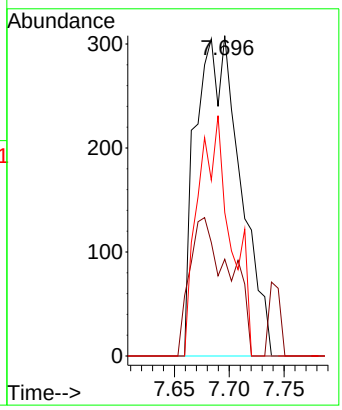


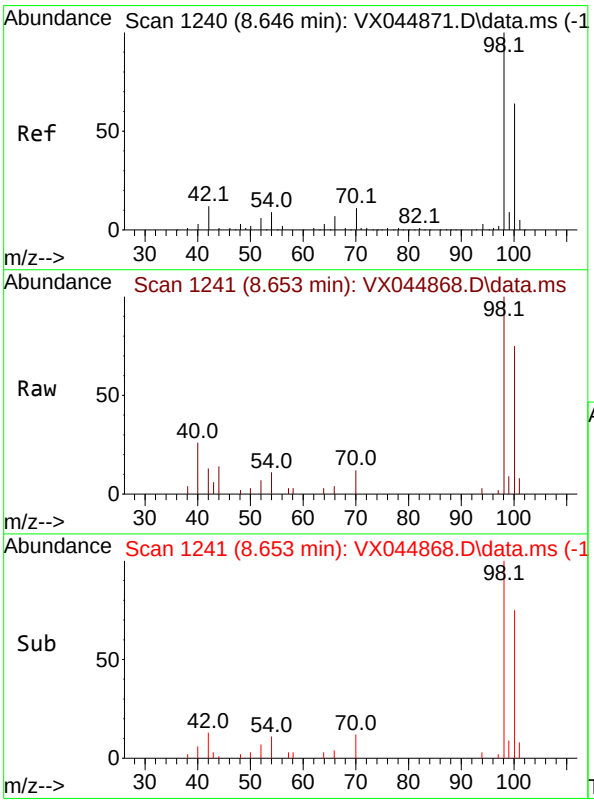
#49
1,4-Dioxane
Concen: 20.015 ug/l
RT: 7.696 min Scan# 1(
Delta R.T. 0.037 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 867

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

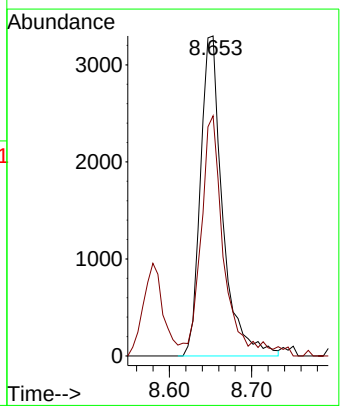


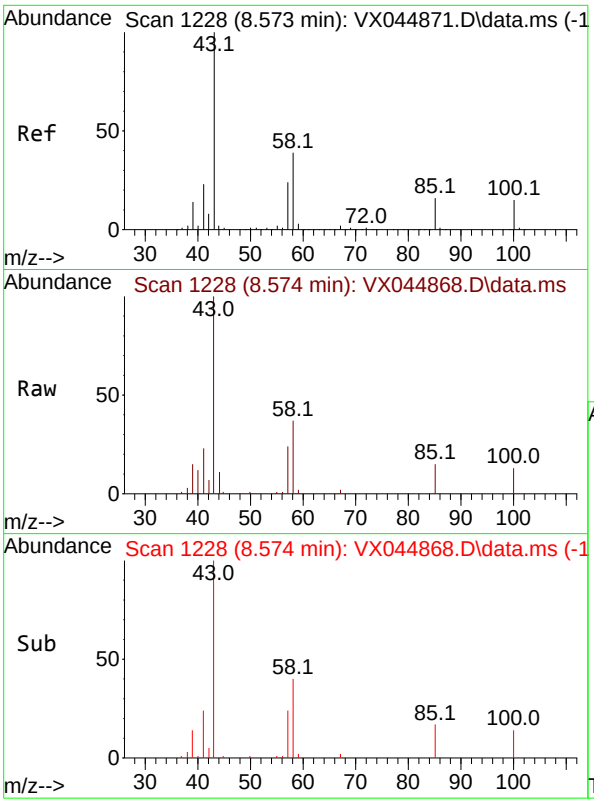


#50
Toluene-d8
Concen: 0.991 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 98 Resp: 6195

Ion	Ratio	Lower	Upper
98	100		
100	70.7	52.7	79.1



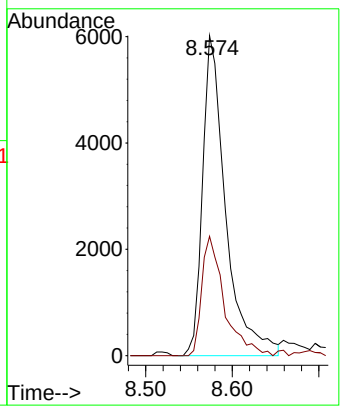


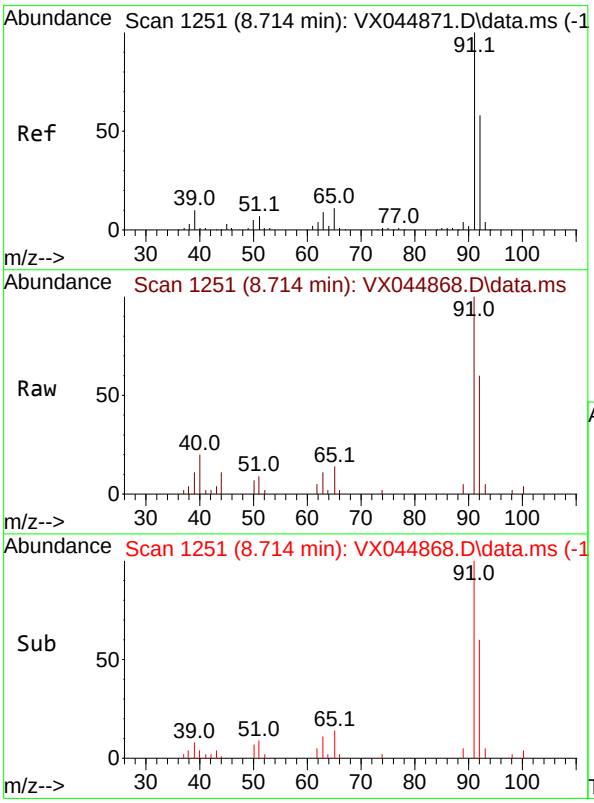
#51
4-Methyl-2-Pentanone
Concen: 4.290 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 11169

Ion	Ratio	Lower	Upper
43	100		
58	36.3	30.8	46.2

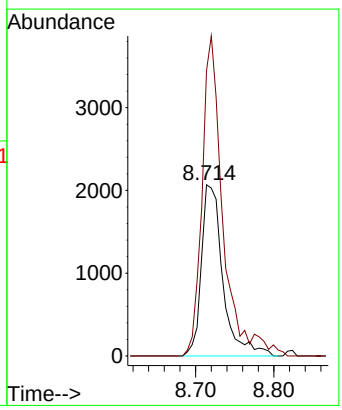


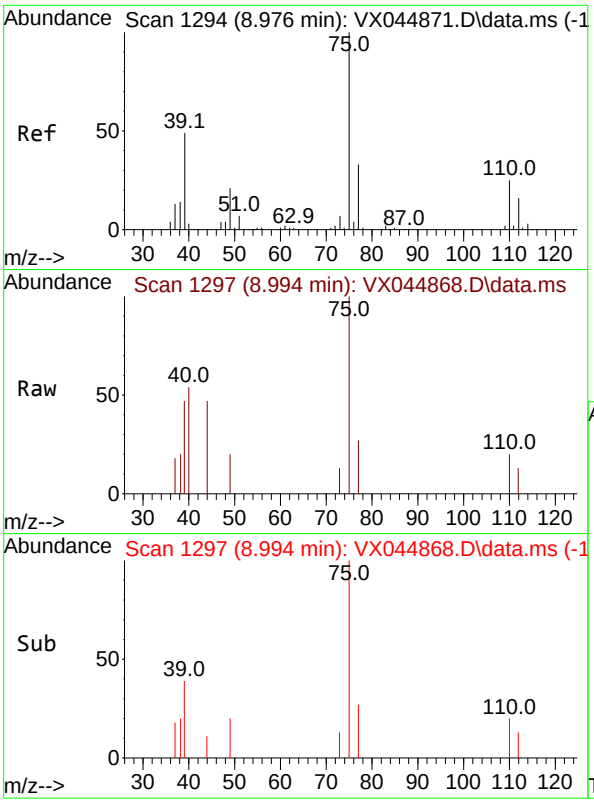


#52
Toluene
Concen: 0.889 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 92 Resp: 3943

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.4	206.2



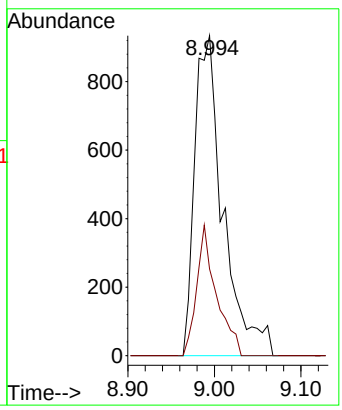


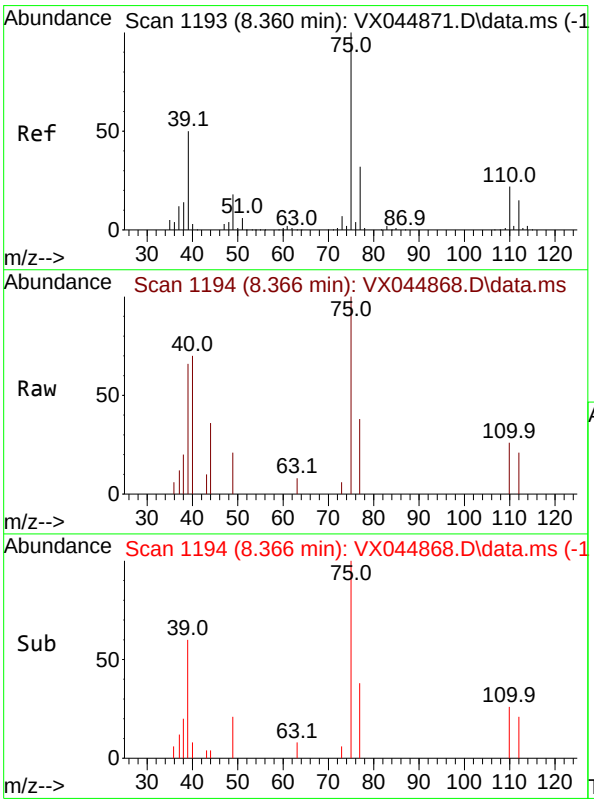
#53
t-1,3-Dichloropropene
Concen: 0.842 ug/l
RT: 8.994 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 2119

Ion	Ratio	Lower	Upper
75	100		
77	27.1	26.0	39.0

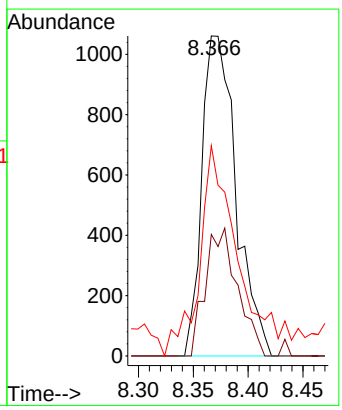


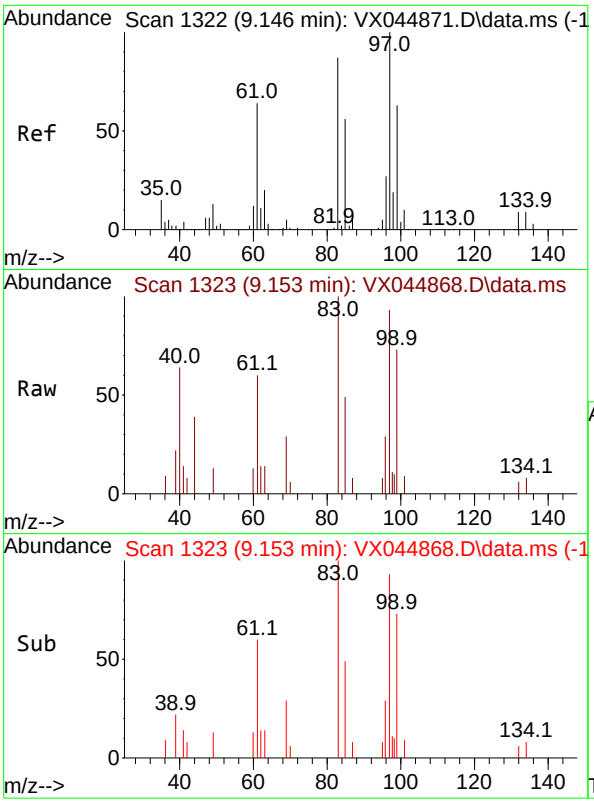


#54
cis-1,3-Dichloropropene
Concen: 0.820 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2300

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



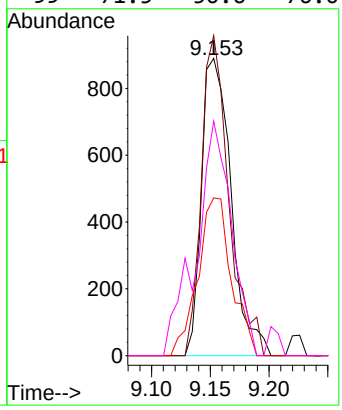


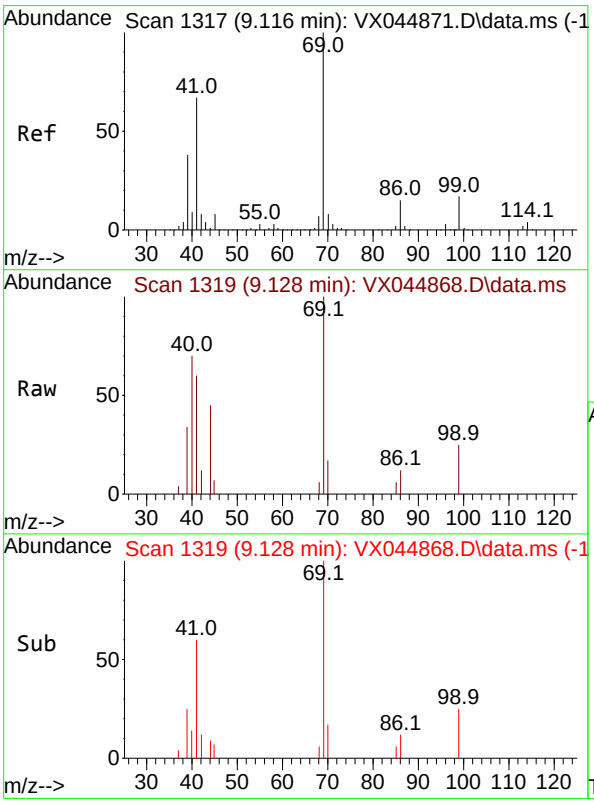
#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1558

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

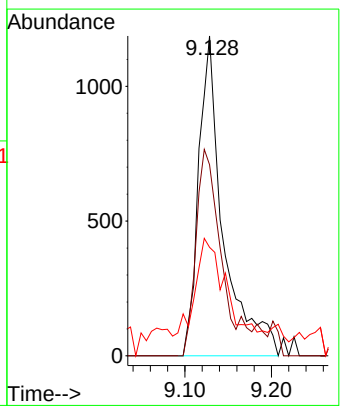


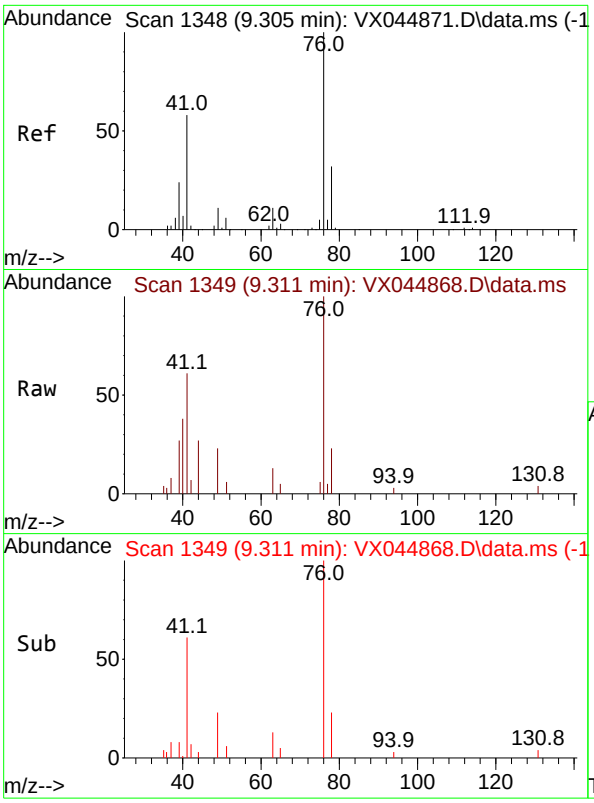


#56
Ethyl methacrylate
Concen: 0.852 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 69 Resp: 2346

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



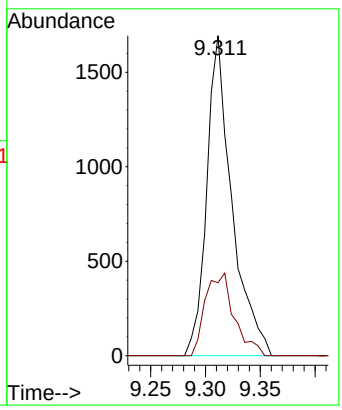


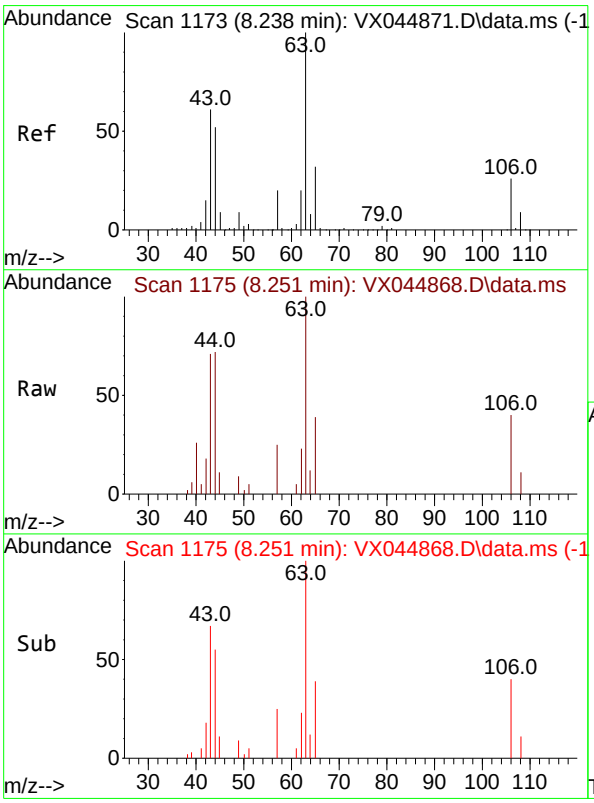
#57
1,3-Dichloropropane
Concen: 0.905 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2699

Ion	Ratio	Lower	Upper
76	100		
78	29.6	25.8	38.8

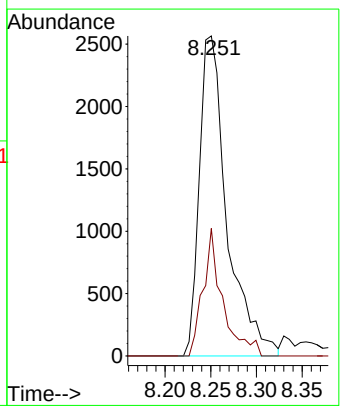


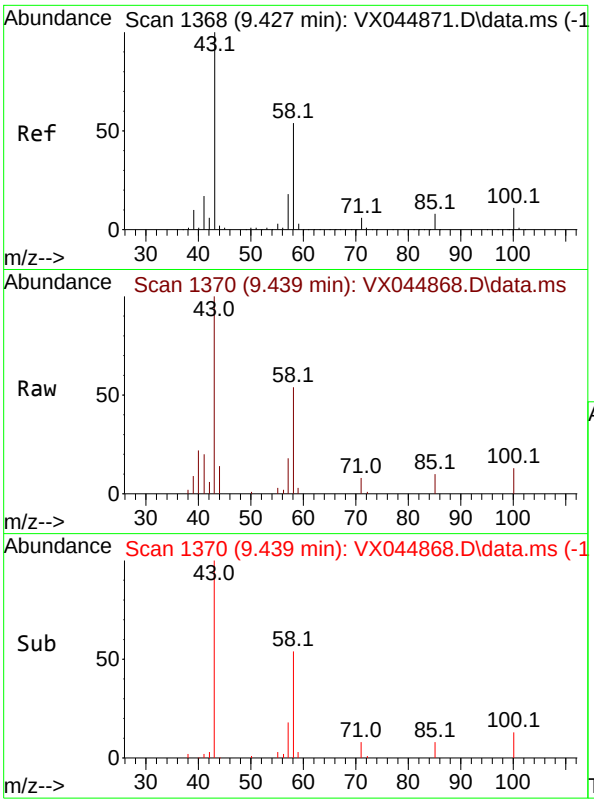


#58
2-Chloroethyl Vinyl ether
Concen: 3.996 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 63 Resp: 5401

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.3	31.9



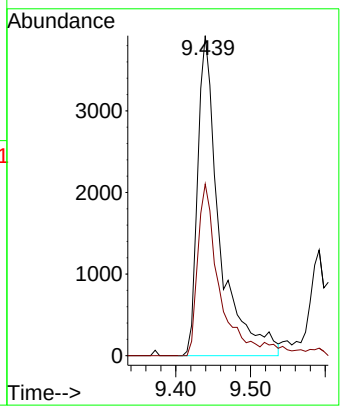


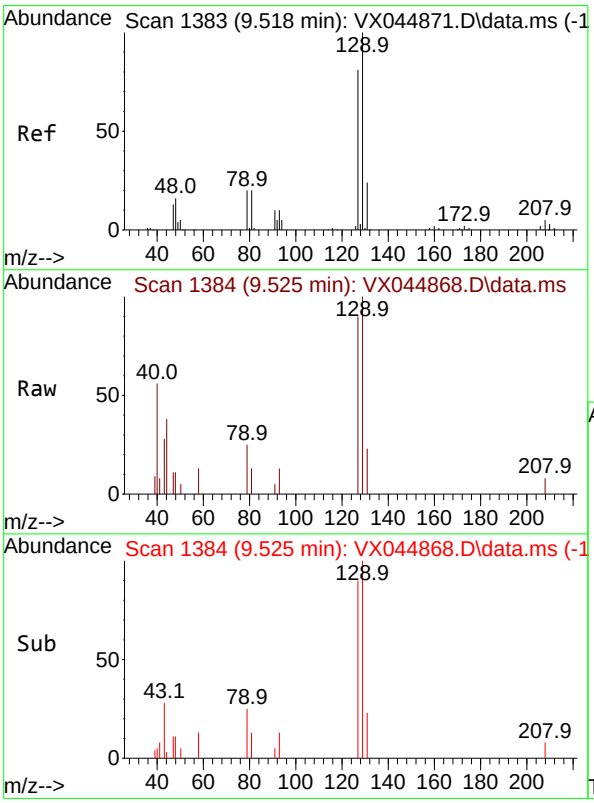
#59
2-Hexanone
Concen: 4.240 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7952

Ion	Ratio	Lower	Upper
43	100		
58	51.3	27.5	82.4

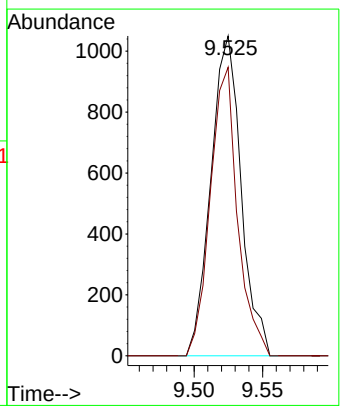


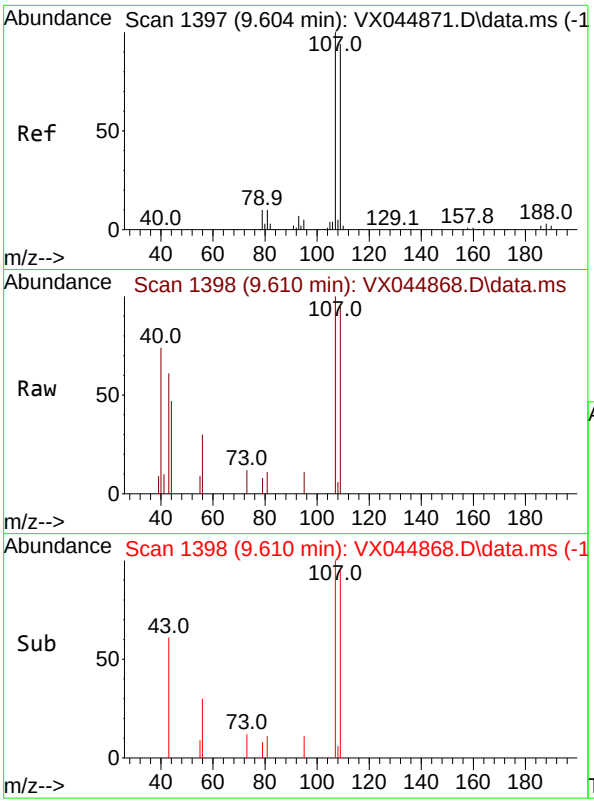


#60
Dibromochloromethane
Concen: 0.885 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:129 Resp: 1613

Ion	Ratio	Lower	Upper
129	100		
127	81.3	39.1	117.3



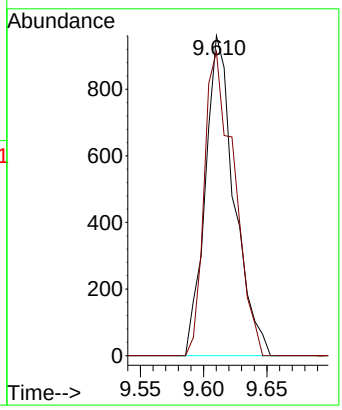


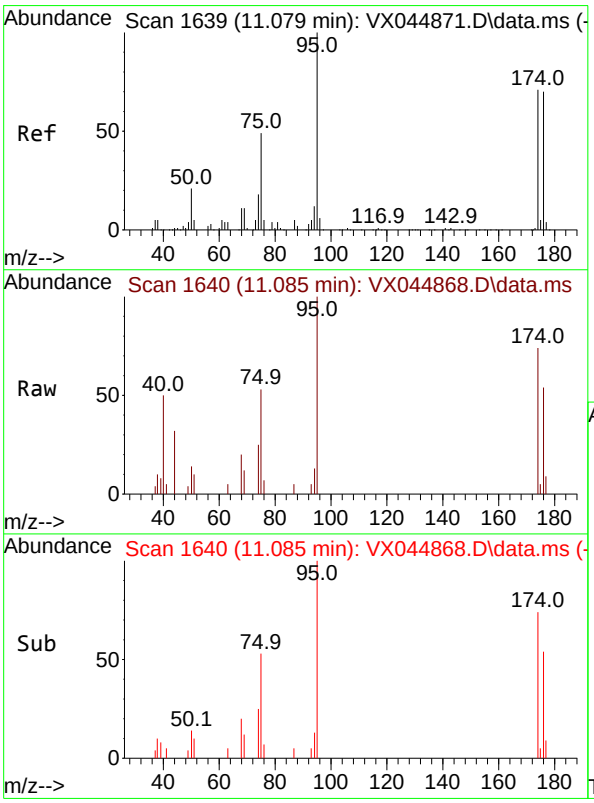
#61
1,2-Dibromoethane
Concen: 0.888 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1534

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.9	113.9

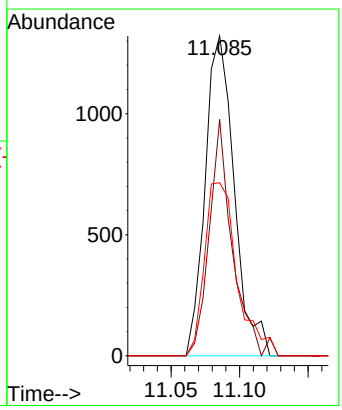


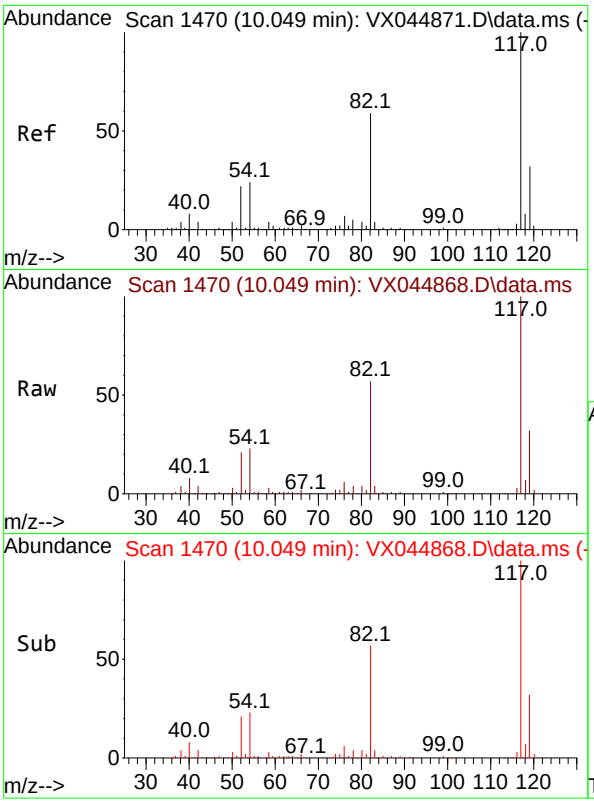


#62
4-Bromofluorobenzene
Concen: 0.926 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 95 Resp: 1950

Ion	Ratio	Lower	Upper
95	100		
174	58.8	0.0	142.6
176	60.5	0.0	141.6



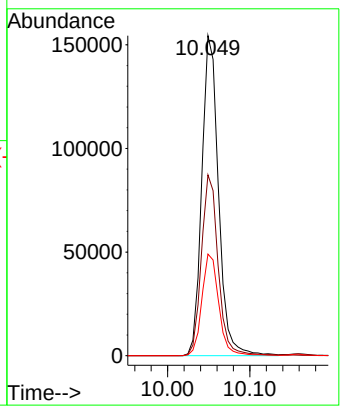


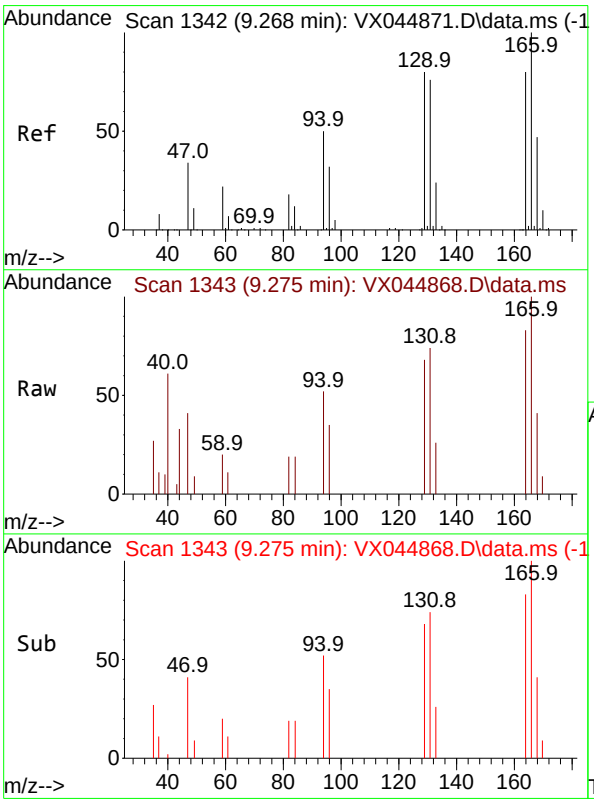
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 218570

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

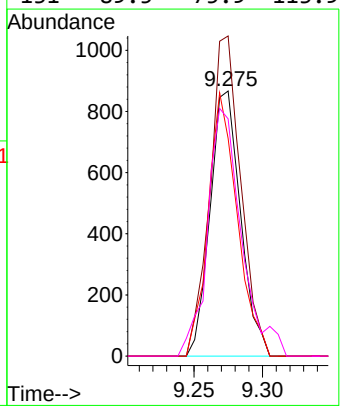


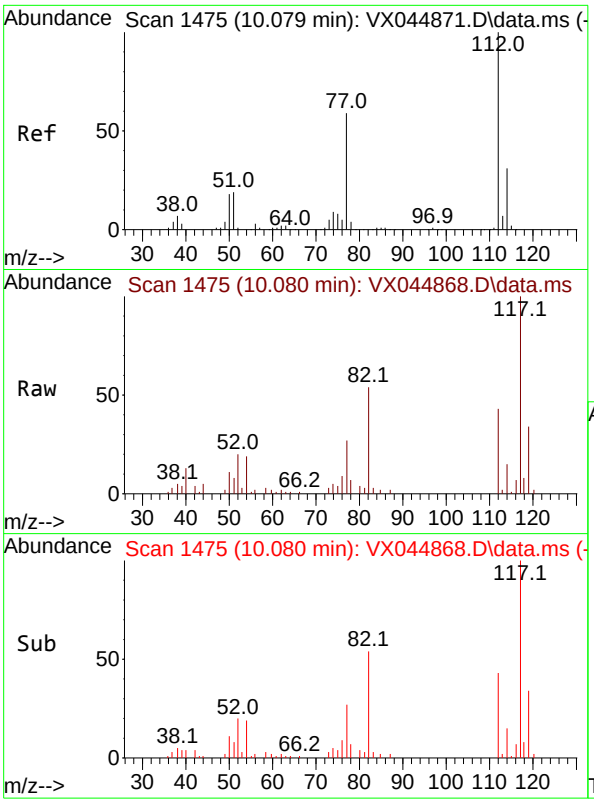


#64
Tetrachloroethene
Concen: 0.971 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:164 Resp: 1339

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



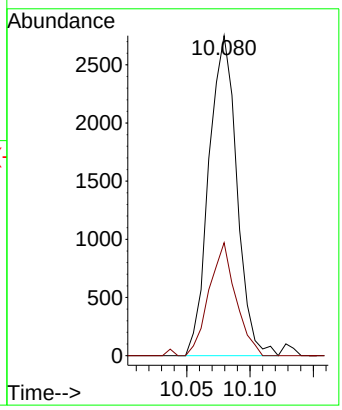


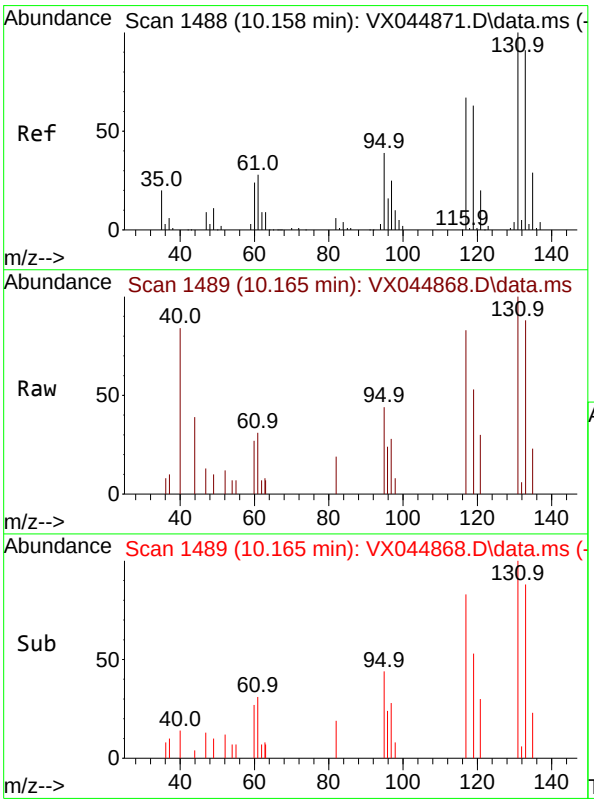
#65
Chlorobenzene
Concen: 0.902 ug/l
RT: 10.080 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 4234

Ion	Ratio	Lower	Upper
112	100		
114	35.3	25.0	37.6

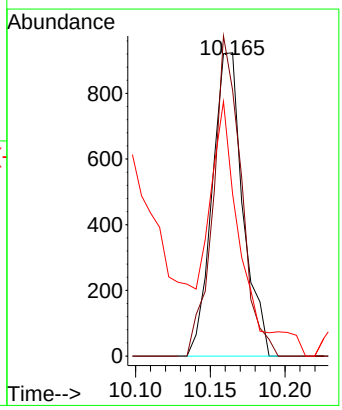


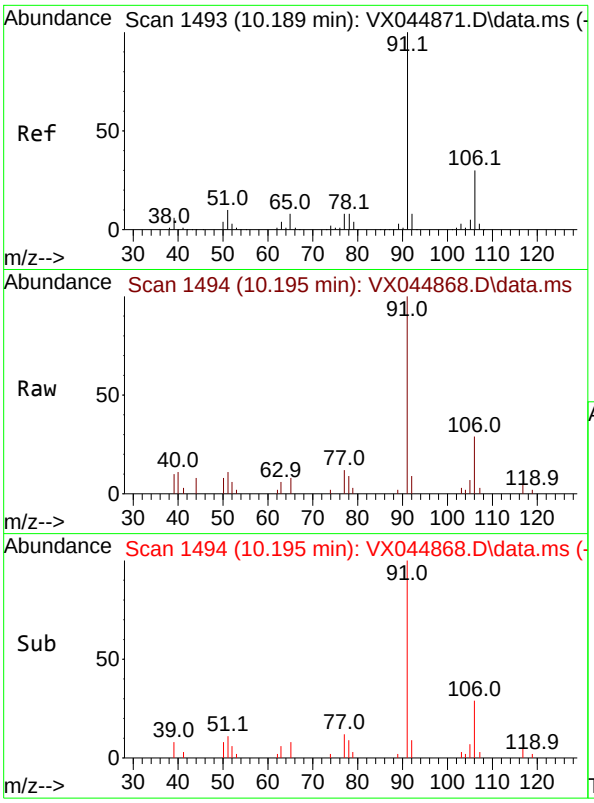


#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:131 Resp: 1320

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



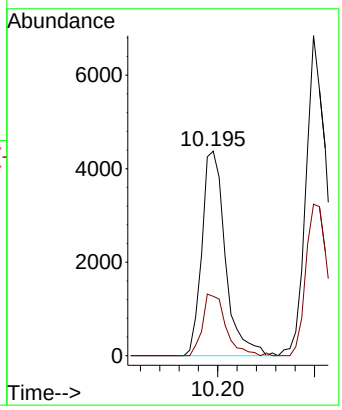


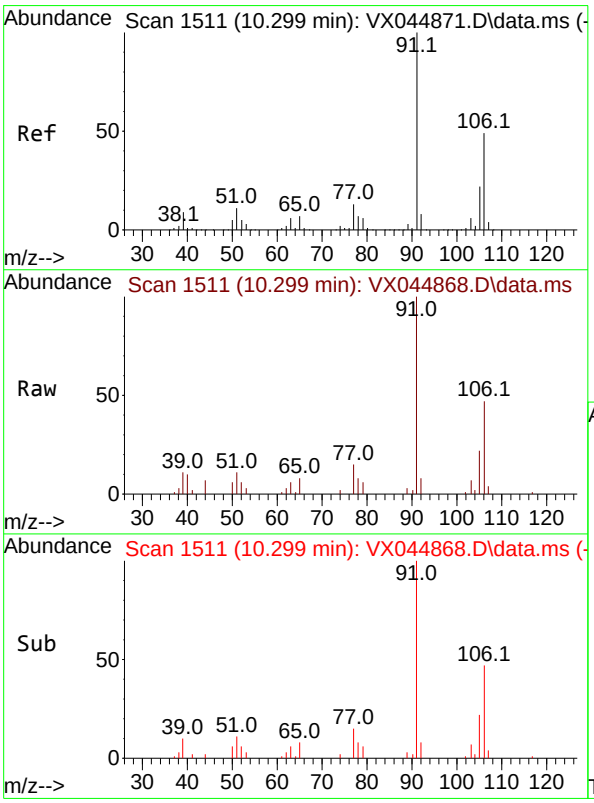
#67
Ethyl Benzene
Concen: 0.892 ug/l
RT: 10.195 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 7388

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.9	35.9

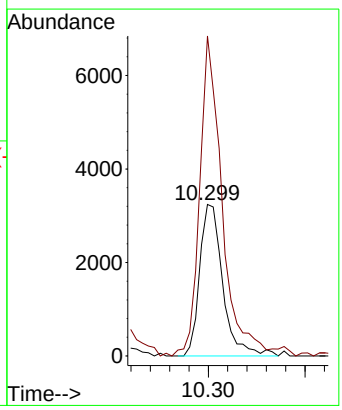


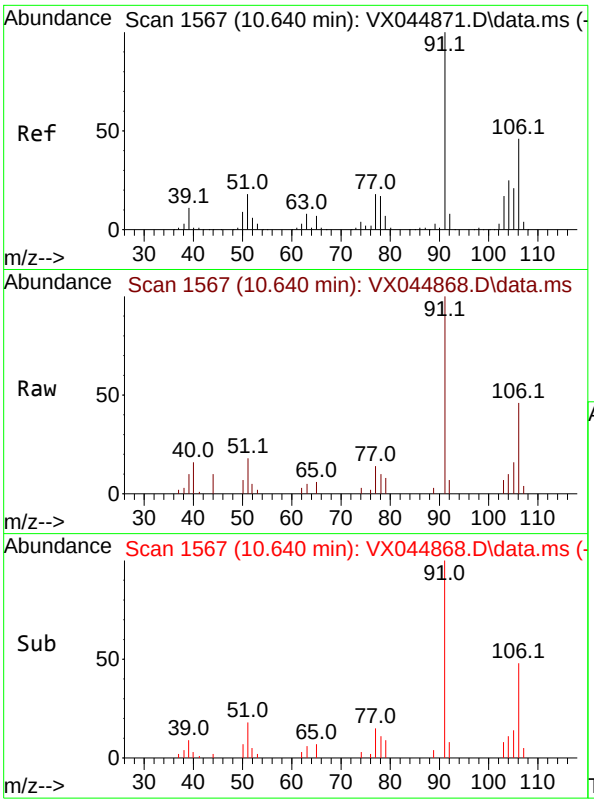


#68
m/p-Xylenes
Concen: 1.763 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:106 Resp: 5387

Ion	Ratio	Lower	Upper
106	100		
91	204.7	164.3	246.5



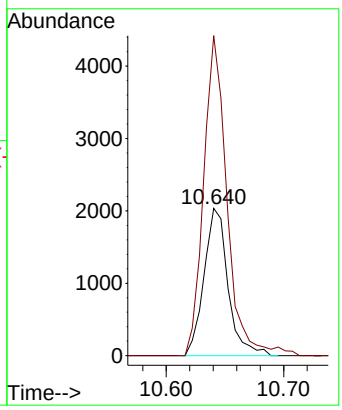


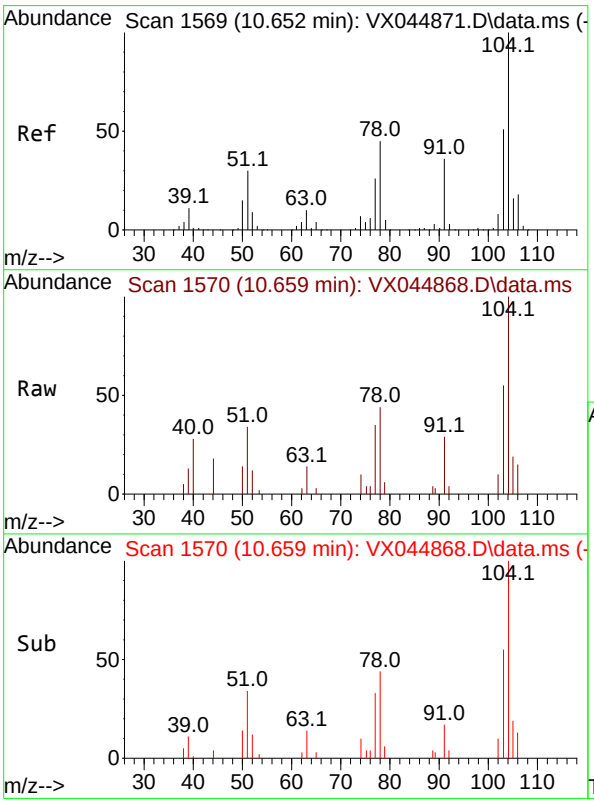
#69
o-Xylene
Concen: 0.942 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2889

Ion	Ratio	Lower	Upper
106	100		
91	211.5	108.5	325.5

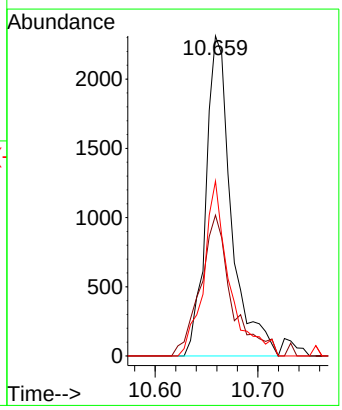


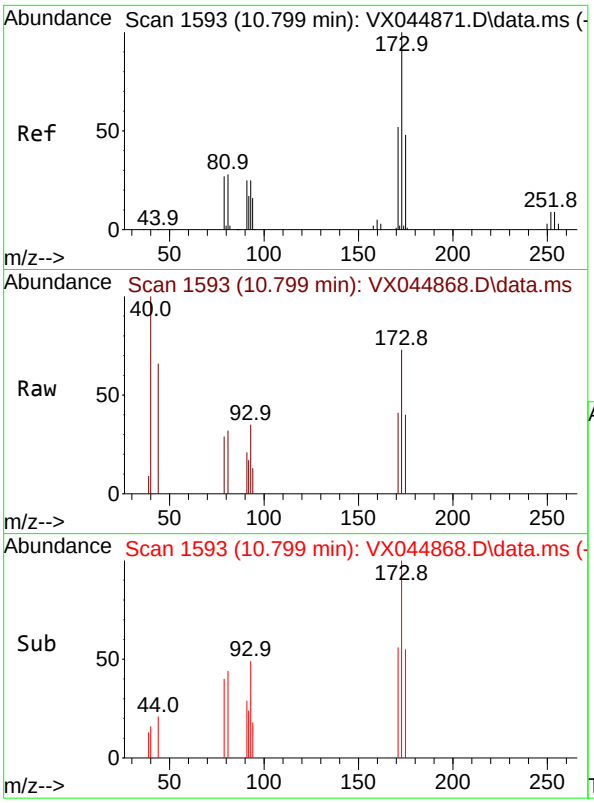


#70
Styrene
Concen: 0.804 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:104 Resp: 3974

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



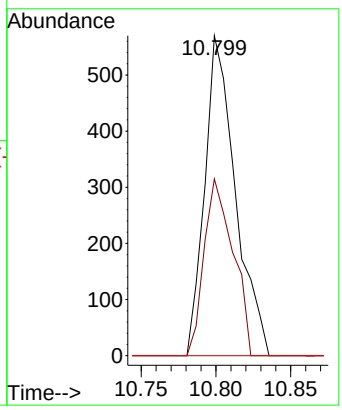


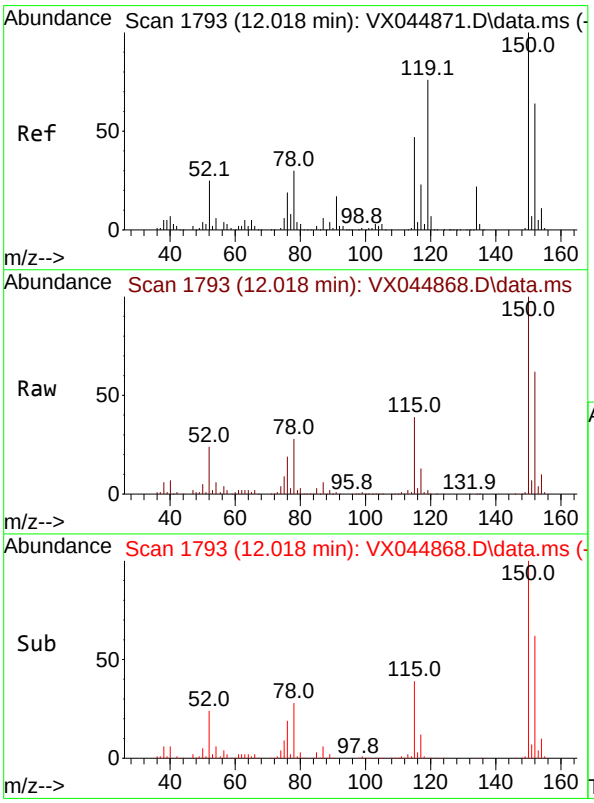
#71
Bromoform
Concen: 0.721 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 813

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

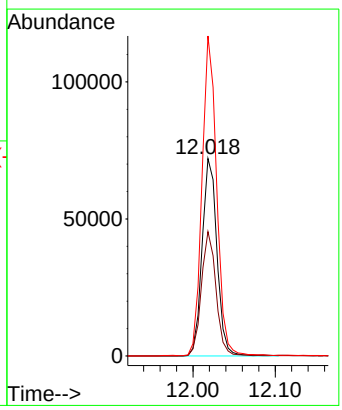


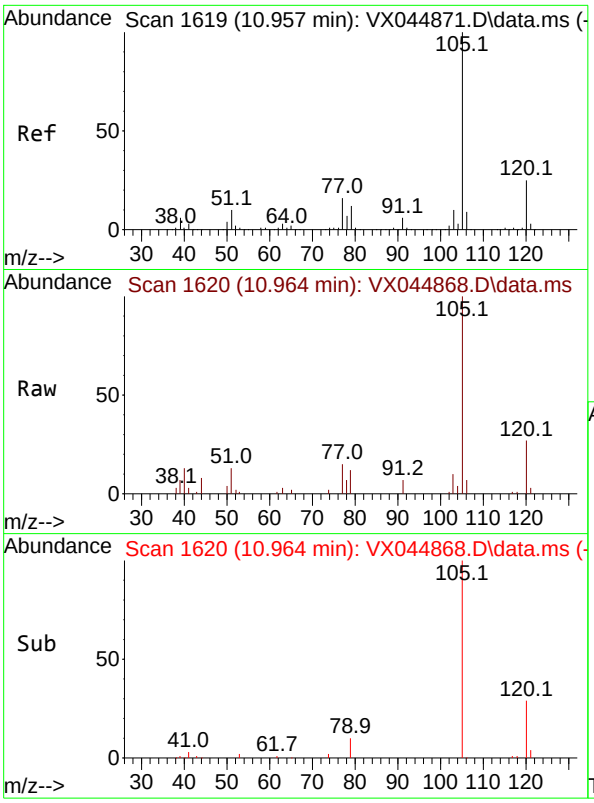


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:152 Resp: 90733

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



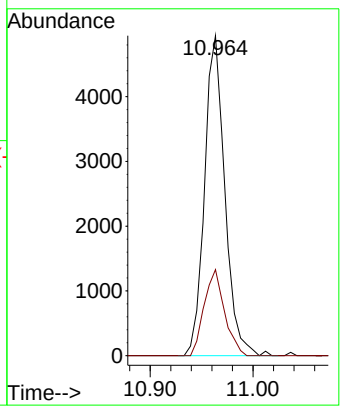


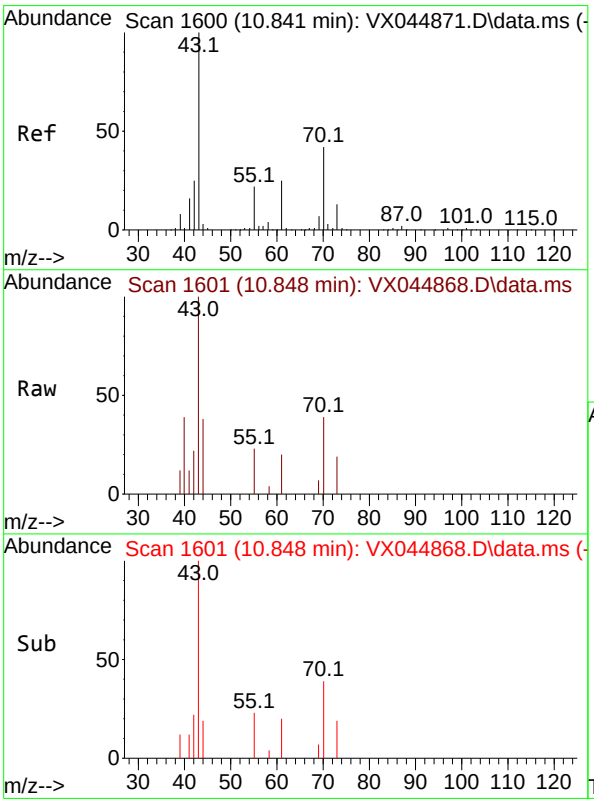
#73
Isopropylbenzene
Concen: 0.928 ug/l
RT: 10.964 min Scan# 1(
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6778

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.2	39.5

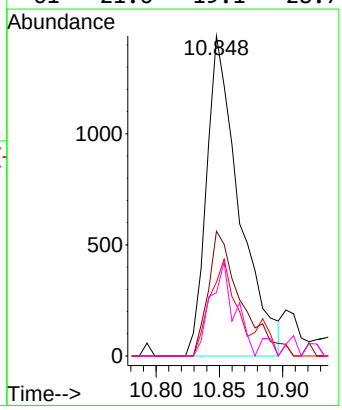


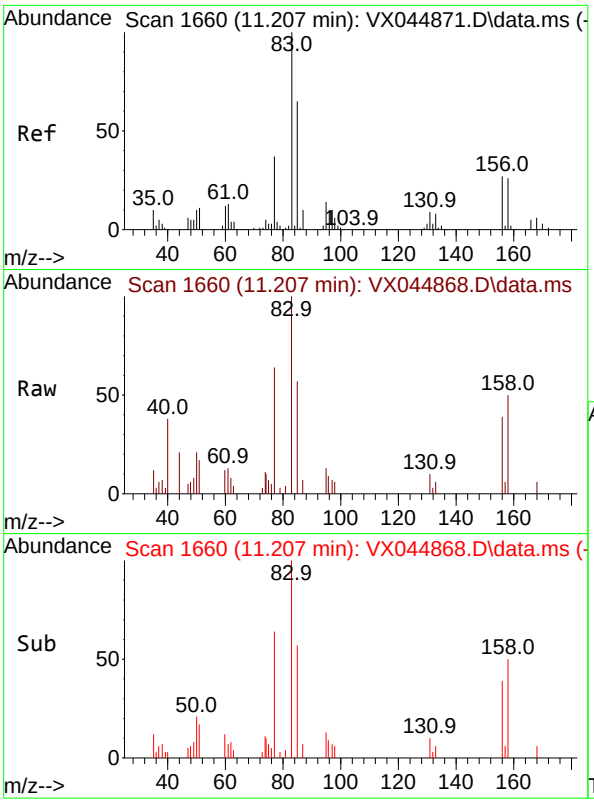


#74
N-amyl acetate
Concen: 0.785 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2596

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



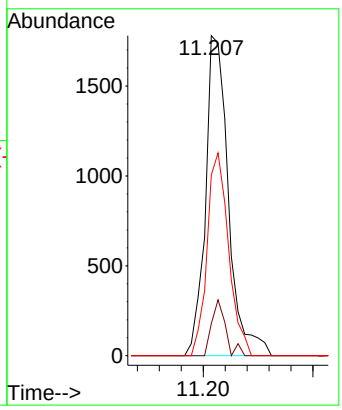


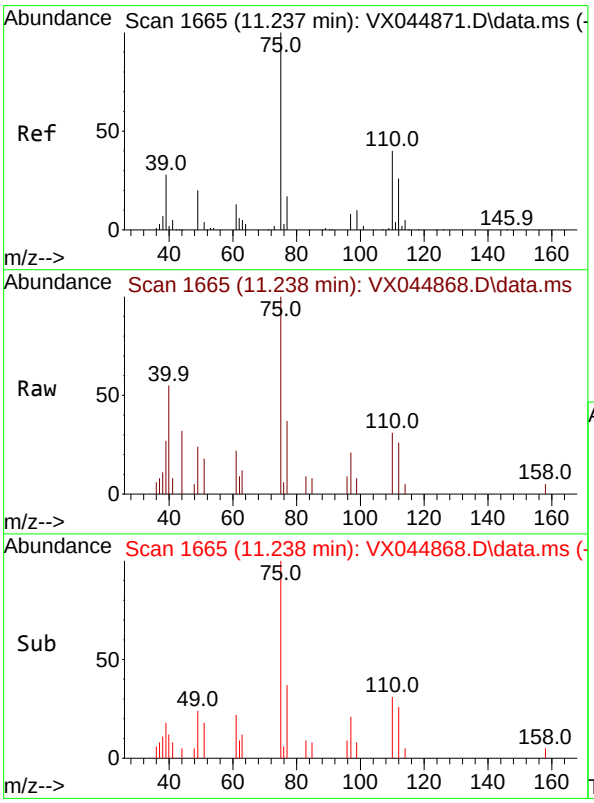
#75
1,1,2,2-Tetrachloroethane
Concen: 1.033 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2594

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

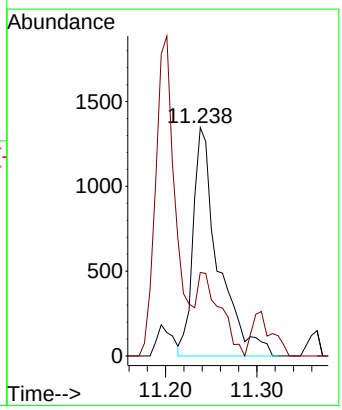


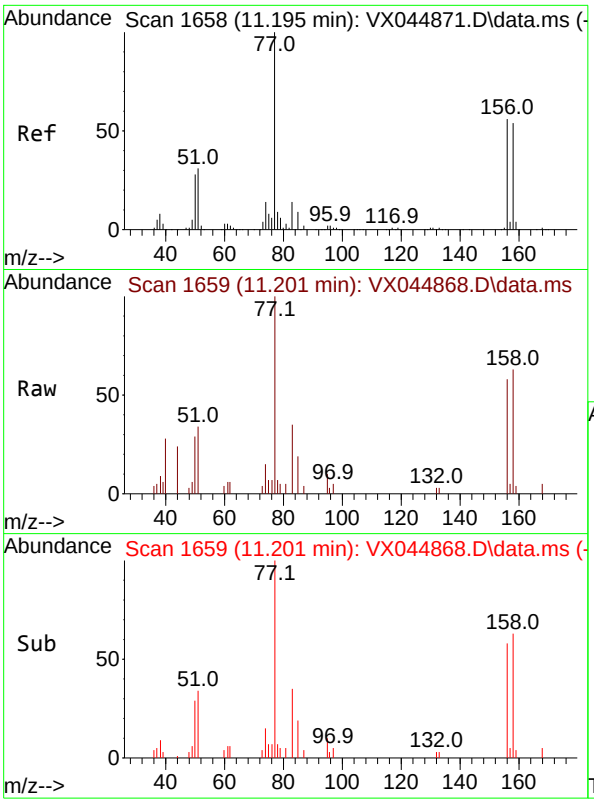


#76
1,2,3-Trichloropropane
Concen: 1.276 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2567

Ion	Ratio	Lower	Upper
75	100		
77	32.1	21.9	65.7



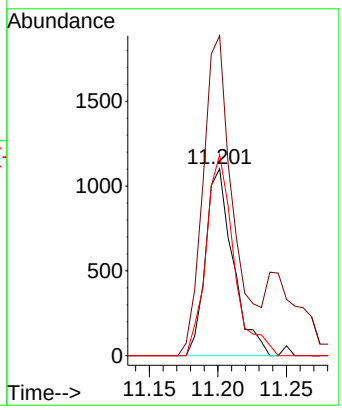


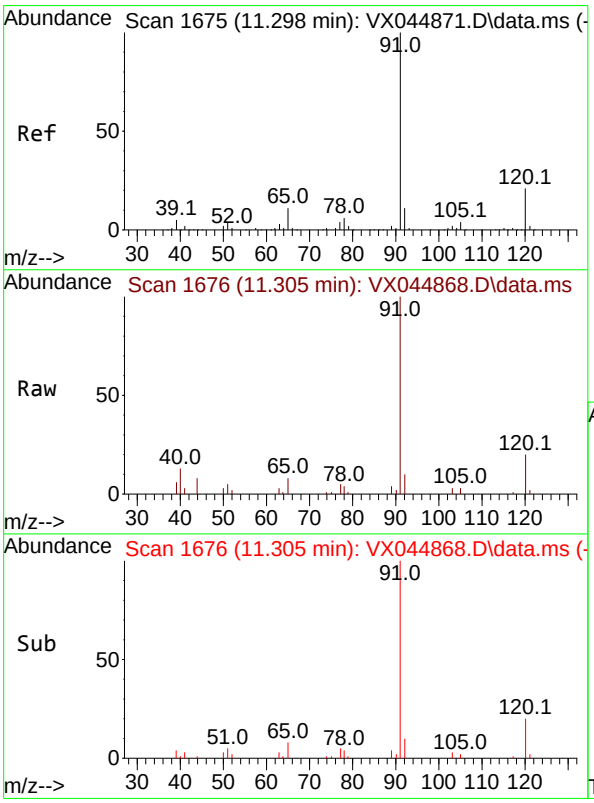
#77
Bromobenzene
Concen: 0.928 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1537

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

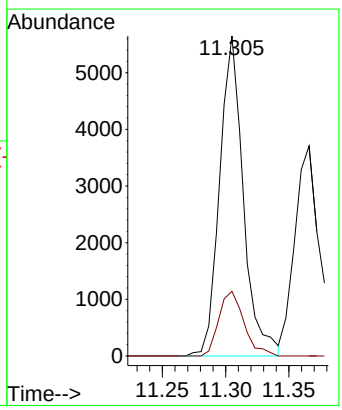


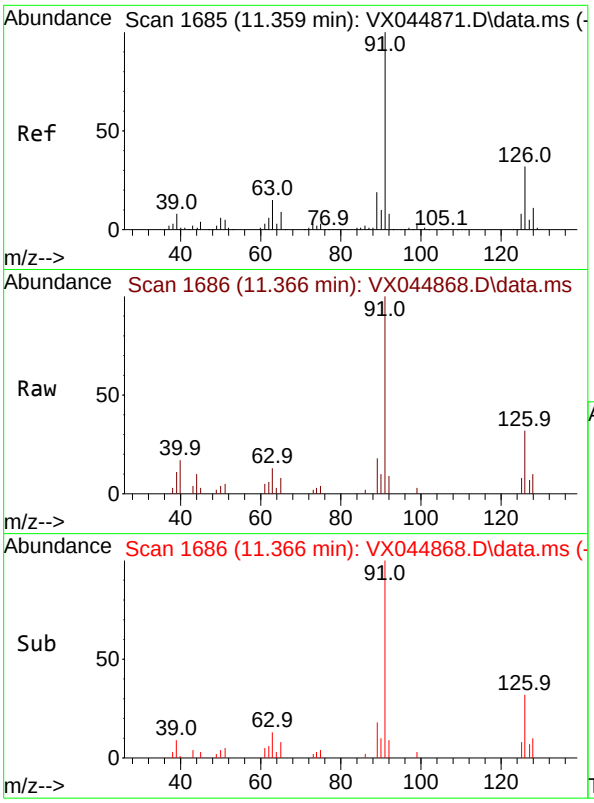


#78
n-propylbenzene
Concen: 0.871 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 7347

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.3



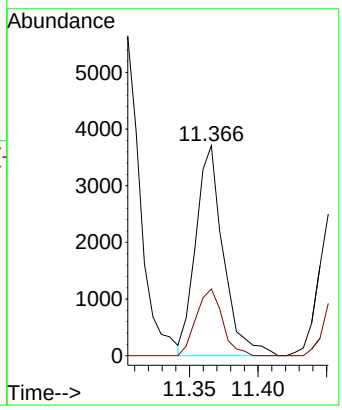


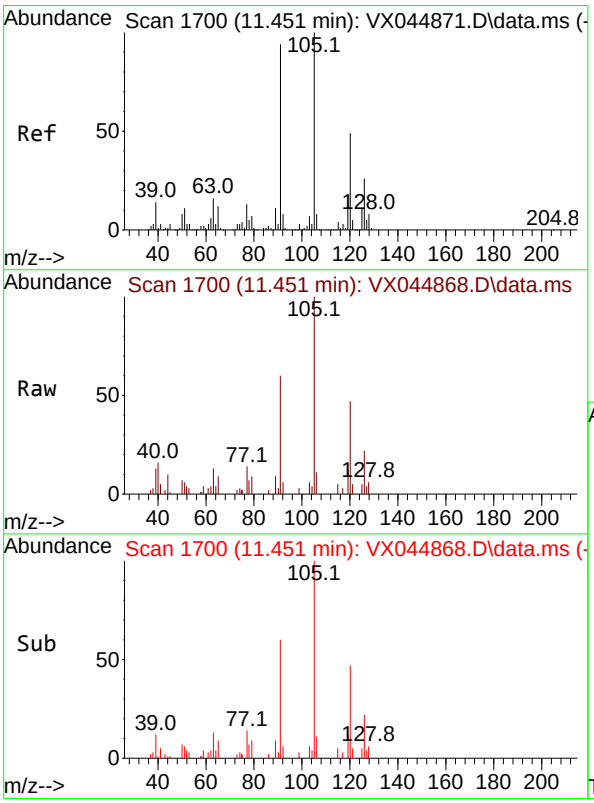
#79
2-Chlorotoluene
Concen: 1.001 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5188

Ion	Ratio	Lower	Upper
91	100		
126	30.1	16.2	48.6

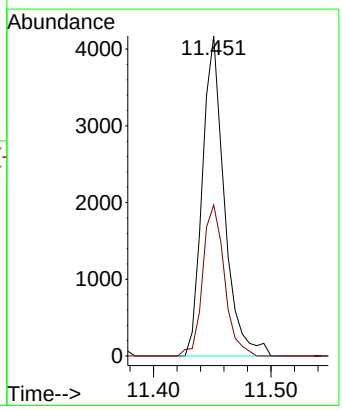


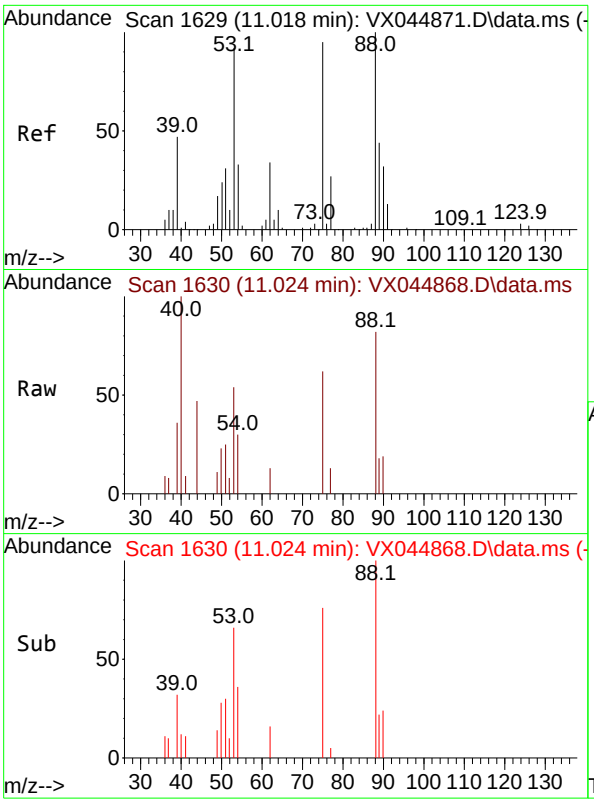


#80
1,3,5-Trimethylbenzene
Concen: 0.913 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:105 Resp: 5410

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.0	72.0



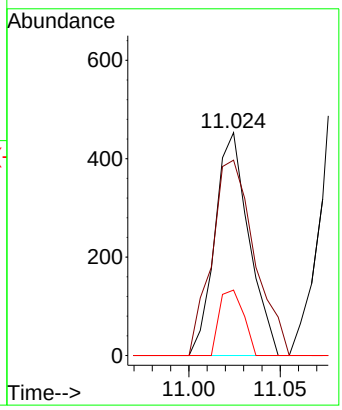


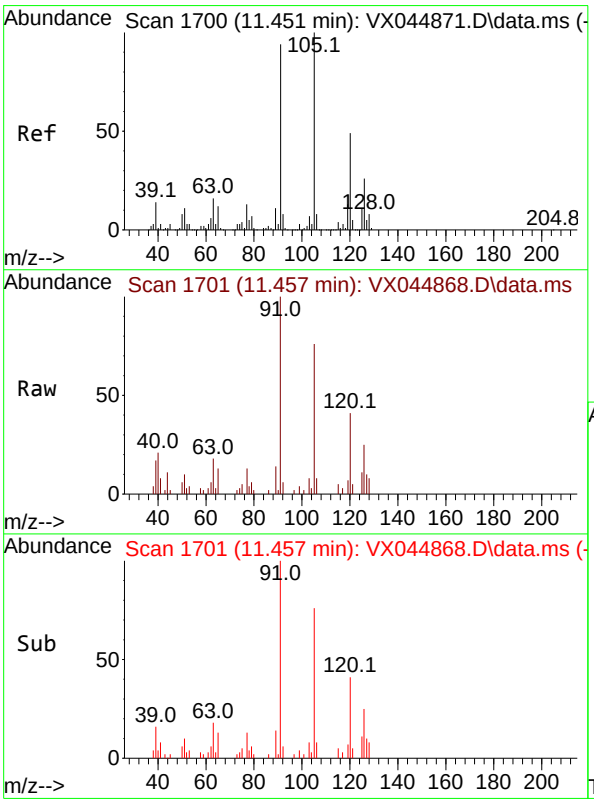
#81
trans-1,4-Dichloro-2-butene
Concen: 0.751 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 587

Ion	Ratio	Lower	Upper
75	100		
53	110.1	78.0	117.0
89	21.0	36.6	54.8#

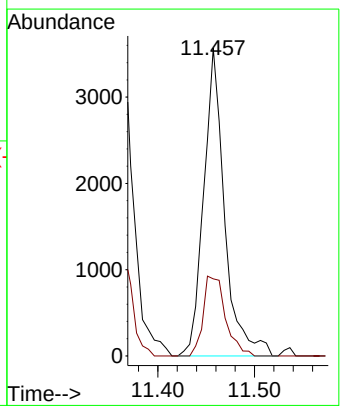


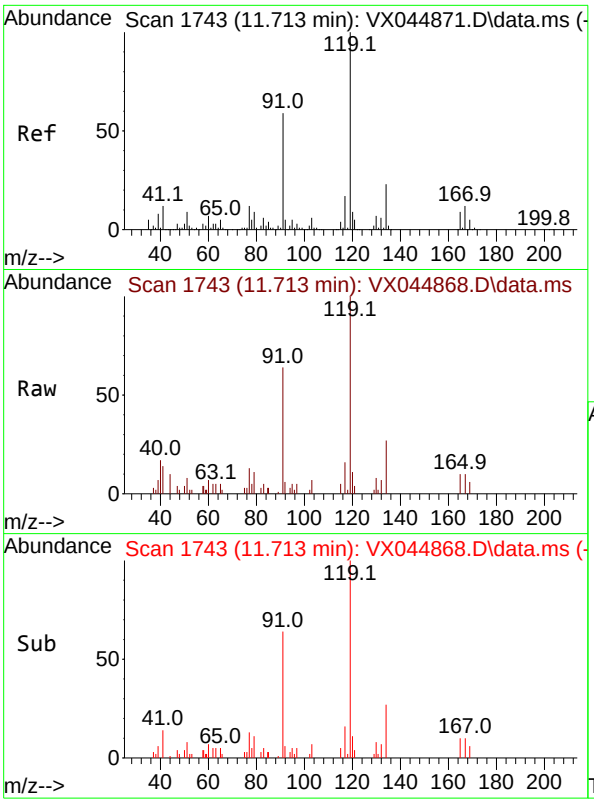


#82
4-Chlorotoluene
Concen: 0.936 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 5367

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.2	42.6



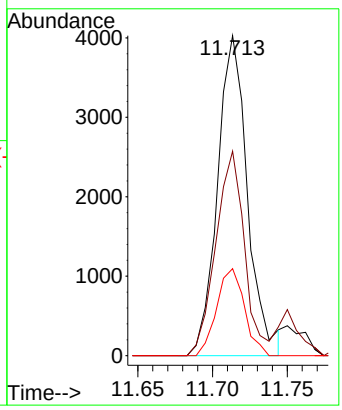


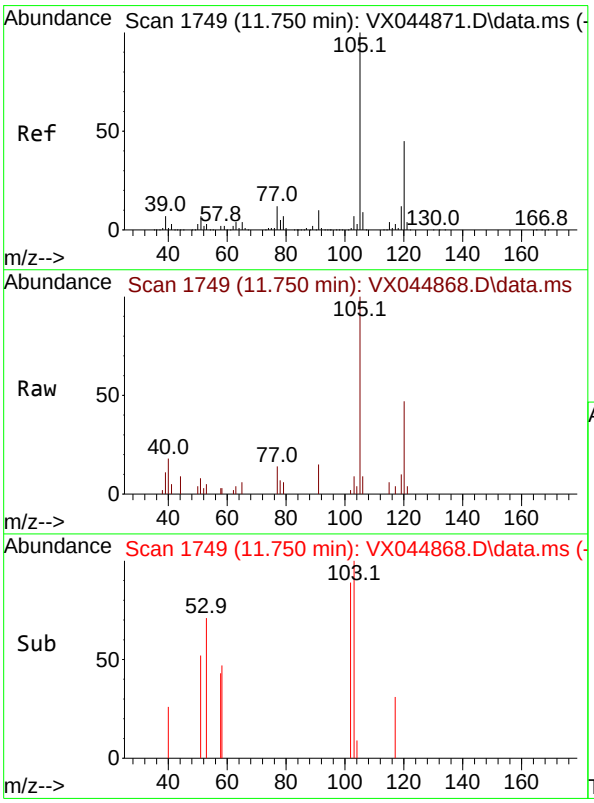
#83
tert-Butylbenzene
Concen: 0.937 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 5620

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

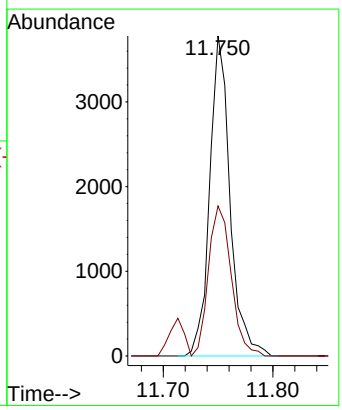


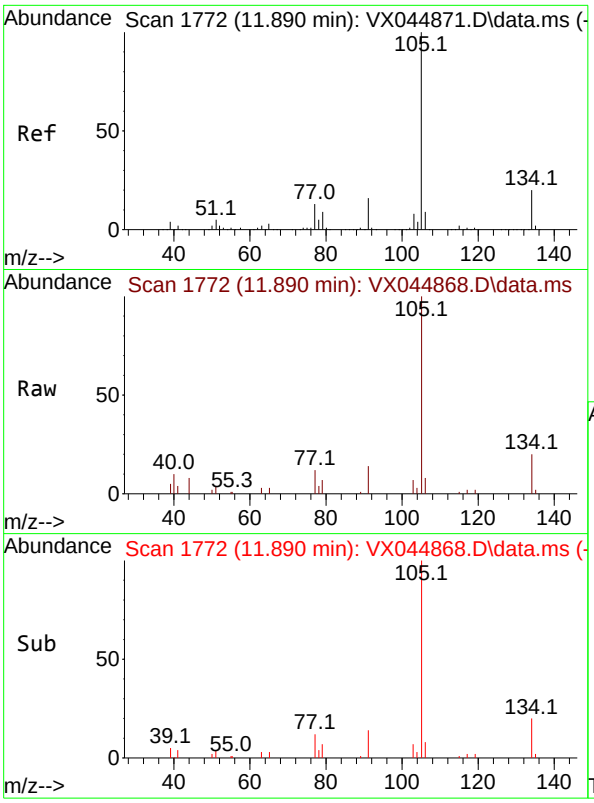


#84
1,2,4-Trimethylbenzene
Concen: 0.833 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:105 Resp: 4876

Ion	Ratio	Lower	Upper
105	100		
120	52.4	22.4	67.0



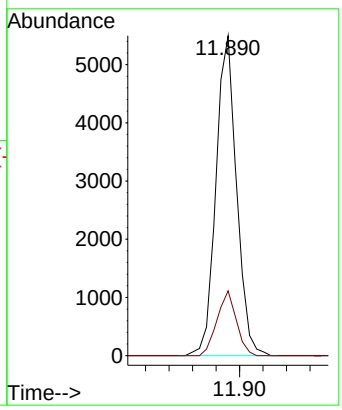


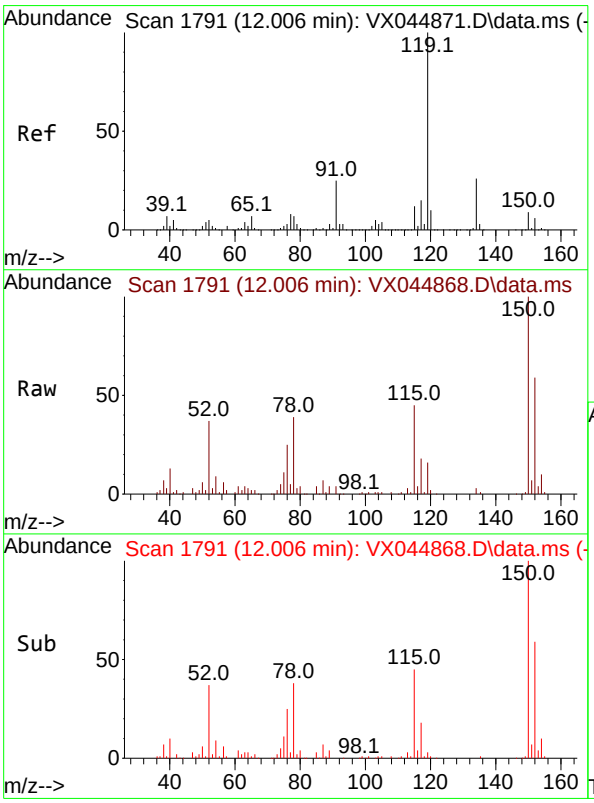
#85
sec-Butylbenzene
Concen: 0.902 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6700

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.3

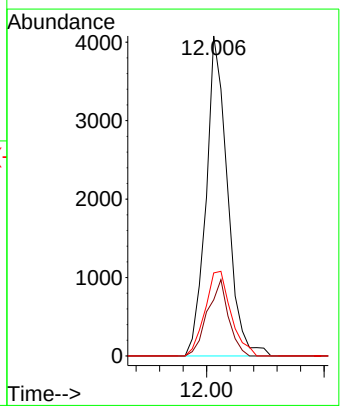


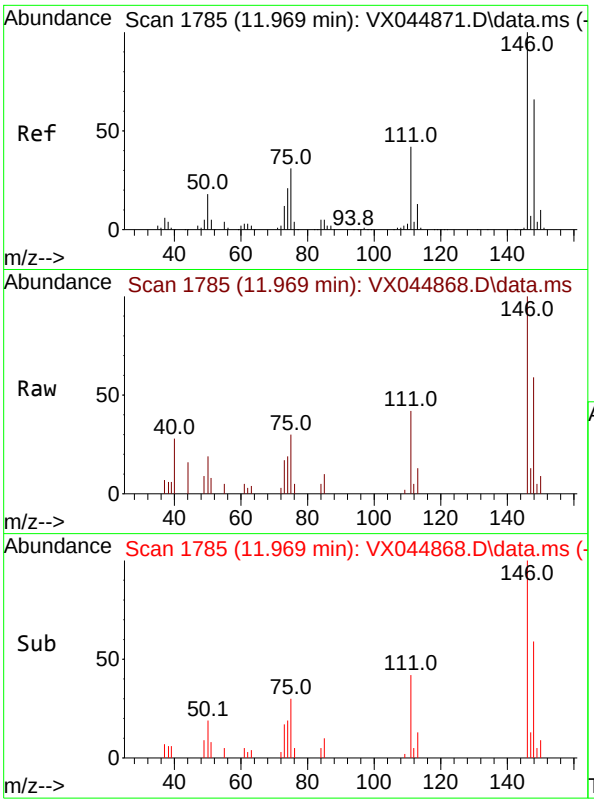


#86
p-Isopropyltoluene
Concen: 0.864 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:119 Resp: 5161

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



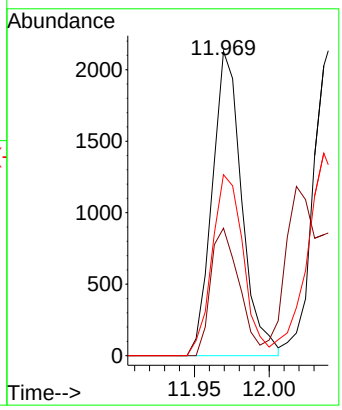


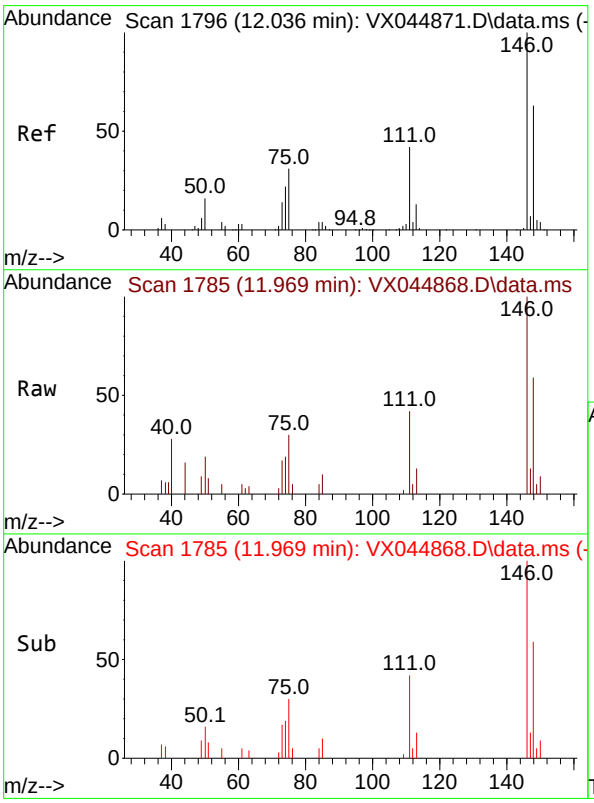
#87
1,3-Dichlorobenzene
Concen: 0.963 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2933

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

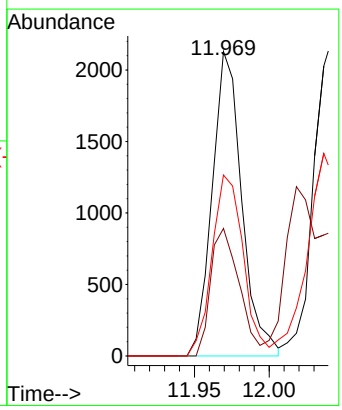


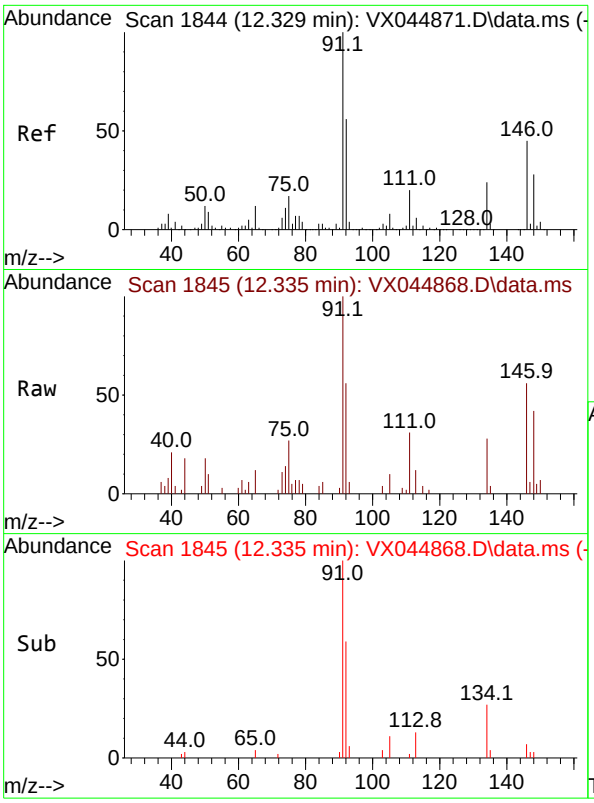


#88
1,4-Dichlorobenzene
Concen: 0.952 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:146 Resp: 2933

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	62.8	32.0	96.0



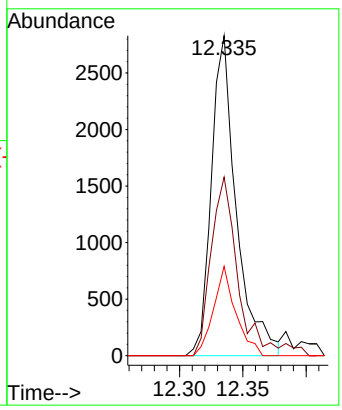


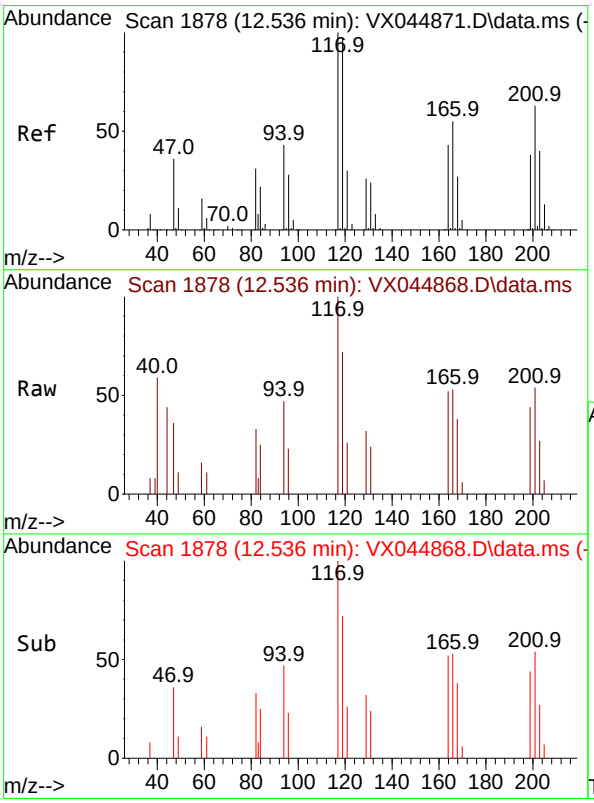
#89
n-Butylbenzene
Concen: 0.734 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3880

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

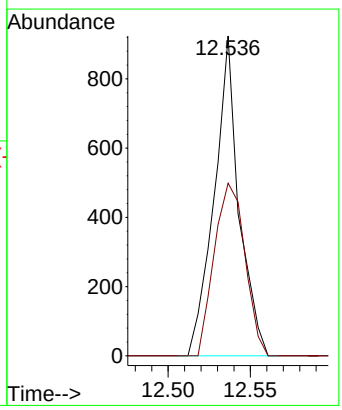


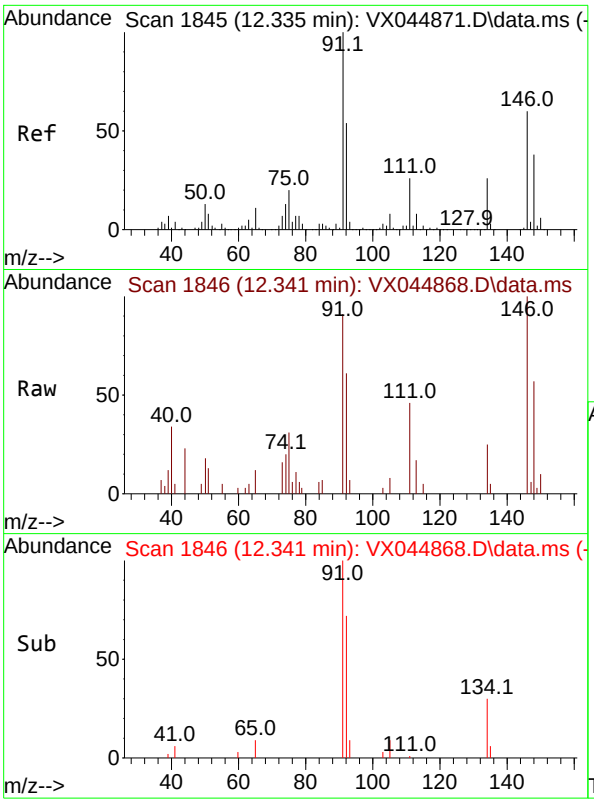


#90
Hexachloroethane
Concen: 0.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:117 Resp: 968

Ion	Ratio	Lower	Upper
117	100		
201	66.8	32.5	97.5



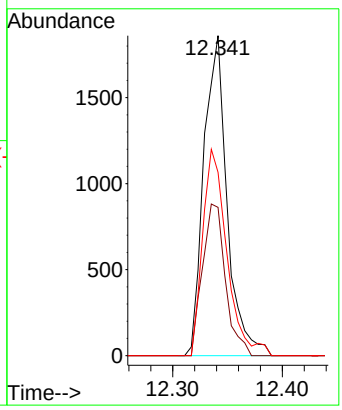


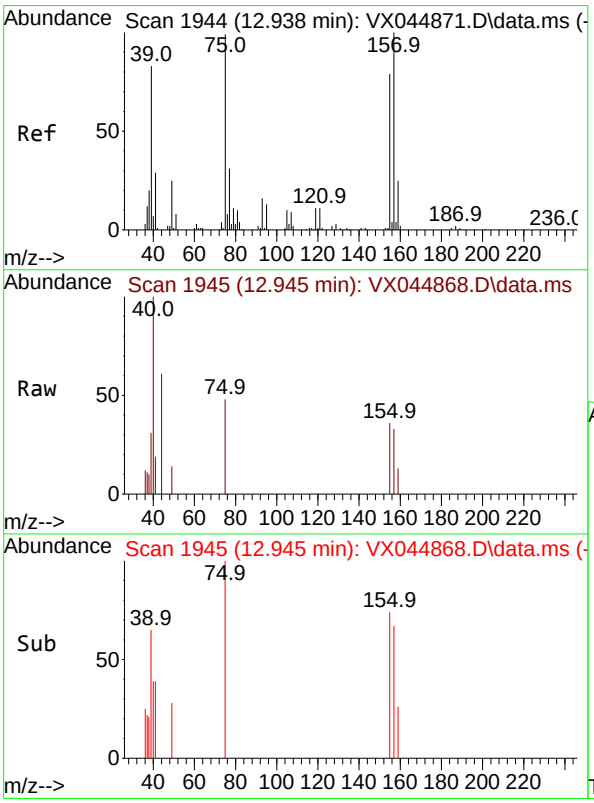
#91
1,2-Dichlorobenzene
Concen: 0.917 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2744

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

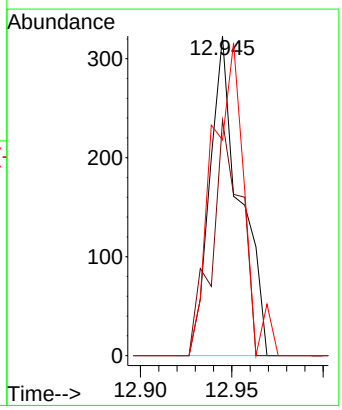


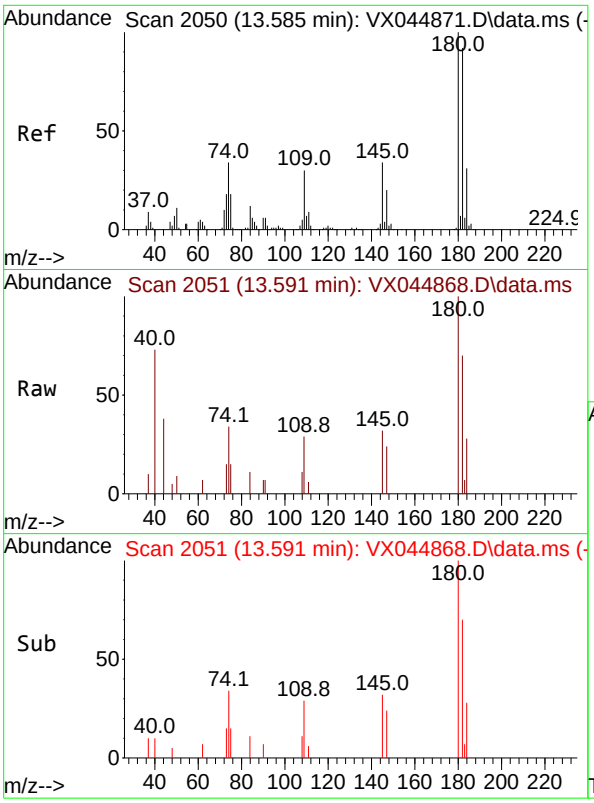


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.801 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 367

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



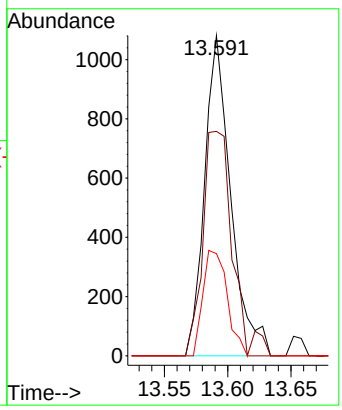


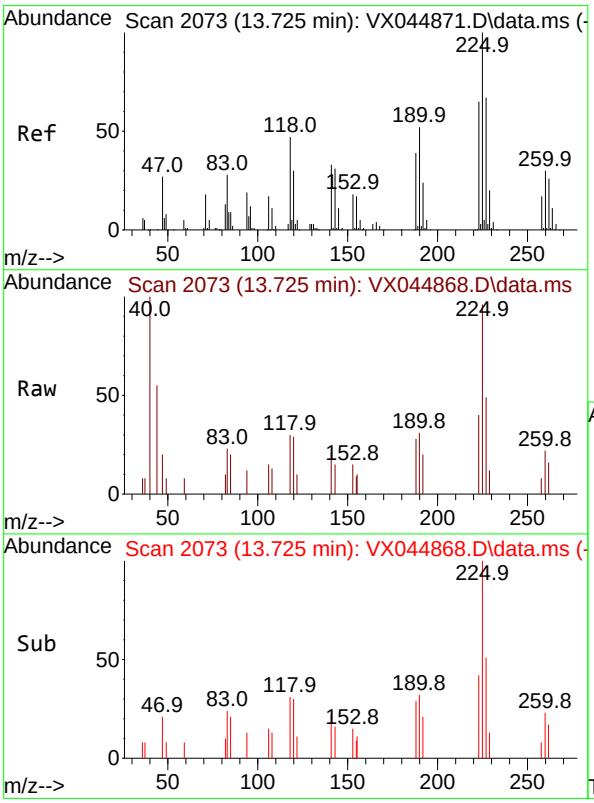
#93
1,2,4-Trichlorobenzene
Concen: 0.861 ug/l
RT: 13.591 min Scan# 2(
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 1560

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

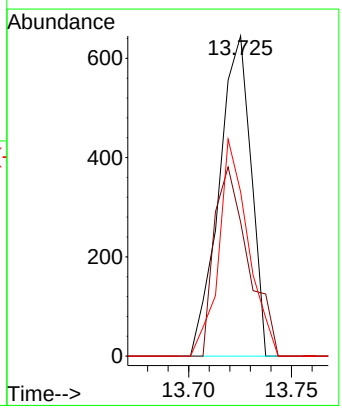


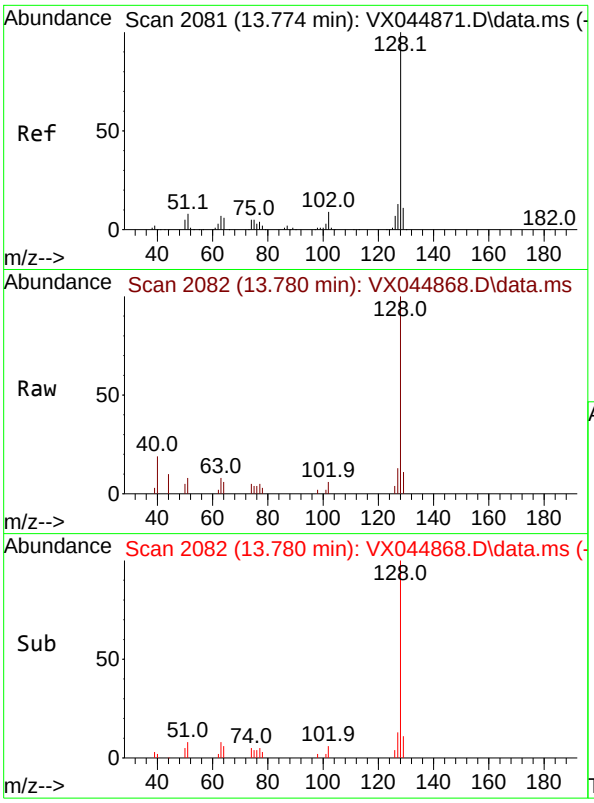


#94
Hexachlorobutadiene
Concen: 0.966 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:225 Resp: 695

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



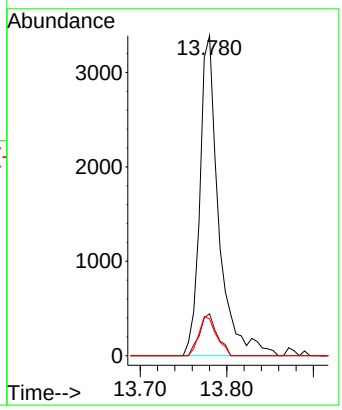


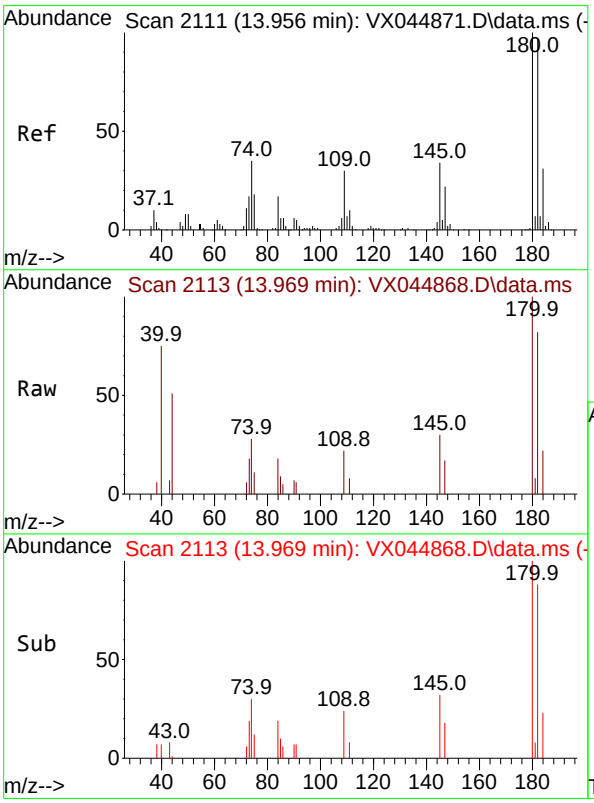
#95
Naphthalene
Concen: 0.783 ug/l
RT: 13.780 min Scan# 2(
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 5125

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

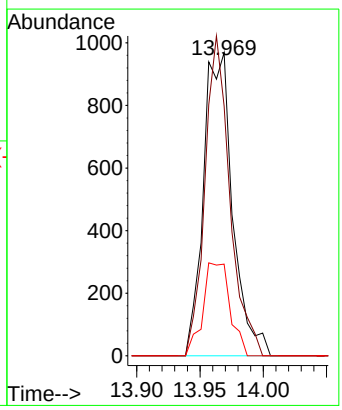




#96
1,2,3-Trichlorobenzene
Concen: 0.853 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:180 Resp: 1557

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



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 11 01:59:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	136105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	10397	5.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.440%#			
35) Dibromofluoromethane	5.385	113	8482	5.150	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.300%#			
50) Toluene-d8	8.647	98	31381	5.039	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.080%#			
62) 4-Bromofluorobenzene	11.079	95	10229	4.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.740%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	9109	4.772	ug/l	94
3) Chloromethane	1.301	50	11711	5.041	ug/l	97
4) Vinyl Chloride	1.374	62	11509	5.113	ug/l	94
5) Bromomethane	1.593	94	3371	5.005	ug/l	89
6) Chloroethane	1.660	64	4436	5.565	ug/l	99
7) Trichlorofluoromethane	1.868	101	14506	5.096	ug/l	100
8) Diethyl Ether	2.136	74	5062	4.904	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	8805	5.120	ug/l	98
10) Methyl Iodide	2.447	142	10233	4.591	ug/l	99
11) Tert butyl alcohol	2.983	59	10044	27.175	ug/l	100
12) 1,1-Dichloroethene	2.307	96	8692	4.955	ug/l	95
13) Acrolein	2.239	56	9750	25.567	ug/l	98
14) Allyl chloride	2.660	41	15649	4.936	ug/l	98
15) Acrylonitrile	3.062	53	24101	24.422	ug/l	98
16) Acetone	2.386	43	19877	24.817	ug/l	99
17) Carbon Disulfide	2.502	76	23568	4.899	ug/l	98
18) Methyl Acetate	2.703	43	12257	4.850	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	28100	5.034	ug/l	99
20) Methylene Chloride	2.782	84	9757	4.973	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	8470	4.906	ug/l	94
22) Diisopropyl ether	3.757	45	29768	4.963	ug/l #	80
23) Vinyl Acetate	3.721	43	119108	24.358	ug/l	98
24) 1,1-Dichloroethane	3.605	63	17113	5.099	ug/l	98
25) 2-Butanone	4.568	43	32121	24.698	ug/l	98
26) 2,2-Dichloropropane	4.459	77	13365	5.022	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	10662	5.141	ug/l	95
28) Bromochloromethane	4.898	49	7881	4.886	ug/l #	96
29) Tetrahydrofuran	5.013	42	21097	24.429	ug/l	98
30) Chloroform	5.087	83	16449	5.054	ug/l	98
31) Cyclohexane	5.464	56	15705	5.076	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	13658	4.947	ug/l	98
36) 1,1-Dichloropropene	5.684	75	11835	4.981	ug/l	98
37) Ethyl Acetate	4.721	43	13530	5.119	ug/l	99
38) Carbon Tetrachloride	5.672	117	11797	5.066	ug/l	97
39) Methylcyclohexane	7.373	83	14472	4.711	ug/l	96
40) Benzene	6.038	78	37687	5.079	ug/l	99

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 11 01:59:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	6648	4.699 ug/l	96
42) 1,2-Dichloroethane	6.086	62	11789	4.985 ug/l	100
43) Isopropyl Acetate	6.342	43	19803	4.640 ug/l	99
44) Trichloroethene	7.123	130	8614	5.079 ug/l	95
45) 1,2-Dichloropropane	7.428	63	8976	4.863 ug/l	98
46) Dibromomethane	7.586	93	6210	4.851 ug/l	95
47) Bromodichloromethane	7.818	83	12173	4.911 ug/l	94
48) Methyl methacrylate	7.702	41	9298	4.620 ug/l	98
49) 1,4-Dioxane	7.678	88	4365	101.099 ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	65064	25.076 ug/l	100
52) Toluene	8.720	92	22090	4.999 ug/l	96
53) t-1,3-Dichloropropene	8.976	75	11413	4.550 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	12943	4.628 ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	8662	5.099 ug/l	98
56) Ethyl methacrylate	9.116	69	12351	4.502 ug/l	96
57) 1,3-Dichloropropane	9.305	76	14839	4.993 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	31498	23.382 ug/l	99
59) 2-Hexanone	9.433	43	45538	24.359 ug/l	99
60) Dibromochloromethane	9.519	129	8668	4.771 ug/l	99
61) 1,2-Dibromoethane	9.610	107	8353	4.852 ug/l	96
64) Tetrachloroethene	9.269	164	6803	4.934 ug/l	95
65) Chlorobenzene	10.079	112	23903	5.090 ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	7380	4.883 ug/l	97
67) Ethyl Benzene	10.189	91	40945	4.941 ug/l	97
68) m/p-Xylenes	10.299	106	30627	10.019 ug/l	100
69) o-Xylene	10.640	106	15761	5.139 ug/l	98
70) Styrene	10.653	104	24576	4.973 ug/l	99
71) Bromoform	10.799	173	5391	4.779 ug/l #	97
73) Isopropylbenzene	10.957	105	38315	4.983 ug/l	100
74) N-amyl acetate	10.842	43	16653	4.786 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	13394	5.069 ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	13757	6.498 ug/l	87
77) Bromobenzene	11.195	156	8789	5.042 ug/l	97
78) n-propylbenzene	11.305	91	43923	4.949 ug/l	99
79) 2-Chlorotoluene	11.360	91	27311	5.007 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	31761	5.090 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	3303	4.013 ug/l	87
82) 4-Chlorotoluene	11.451	91	30138	4.994 ug/l	99
83) tert-Butylbenzene	11.713	119	31992	5.068 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	31053	5.042 ug/l	98
85) sec-Butylbenzene	11.890	105	38437	4.917 ug/l	98
86) p-Isopropyltoluene	12.006	119	30835	4.905 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	15935	4.971 ug/l	95
88) 1,4-Dichlorobenzene	12.036	146	16347	5.043 ug/l	95
89) n-Butylbenzene	12.329	91	25747	4.630 ug/l	97
90) Hexachloroethane	12.536	117	5620	4.775 ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	16362	5.193 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2254	4.674 ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	8923	4.680 ug/l	99
94) Hexachlorobutadiene	13.719	225	3595	4.750 ug/l	99
95) Naphthalene	13.774	128	32776	4.756 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	9093	4.733 ug/l	98

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 11 01:59:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

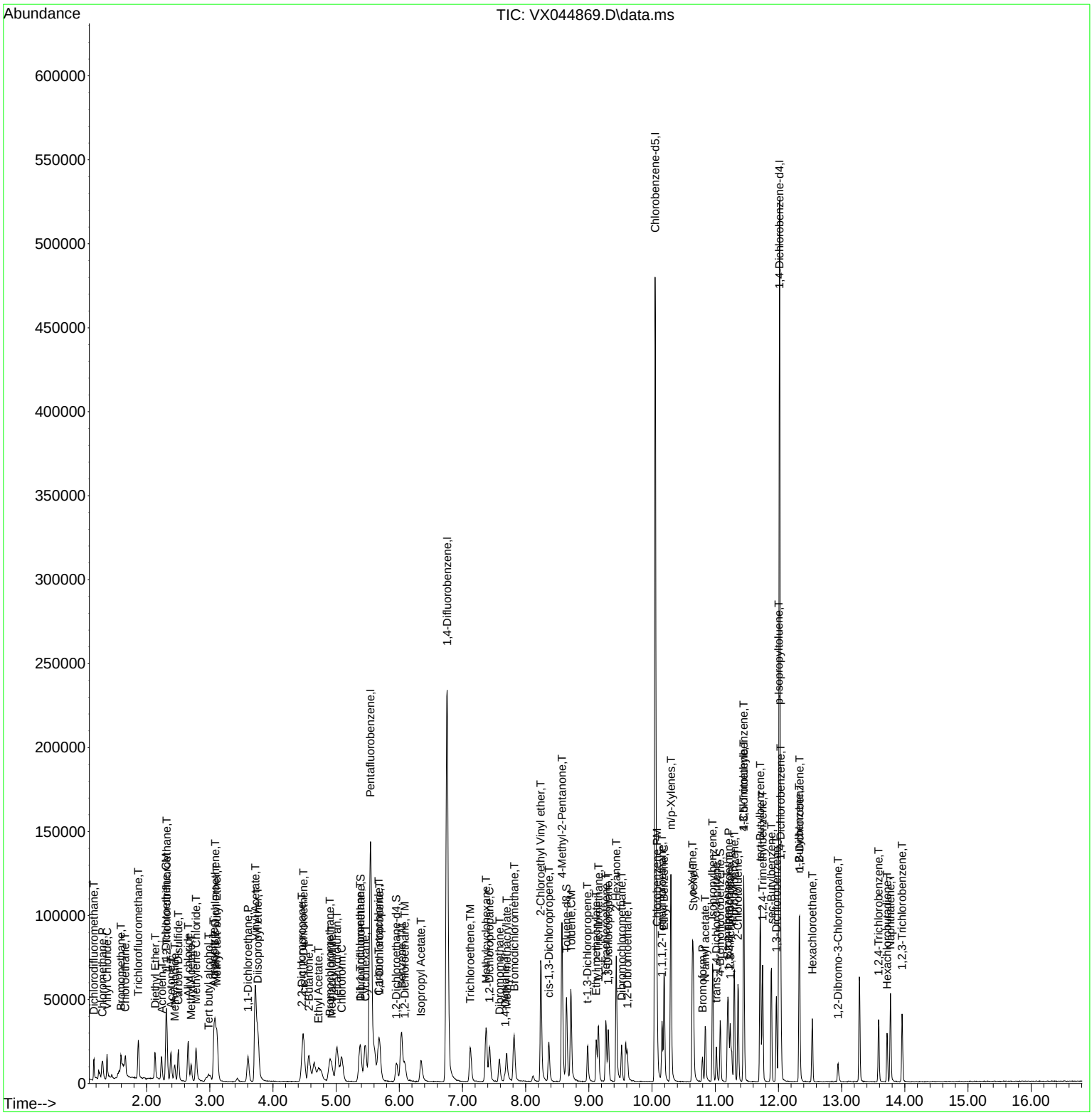
(#) = qualifier out of range (m) = manual integration (+) = signals summed

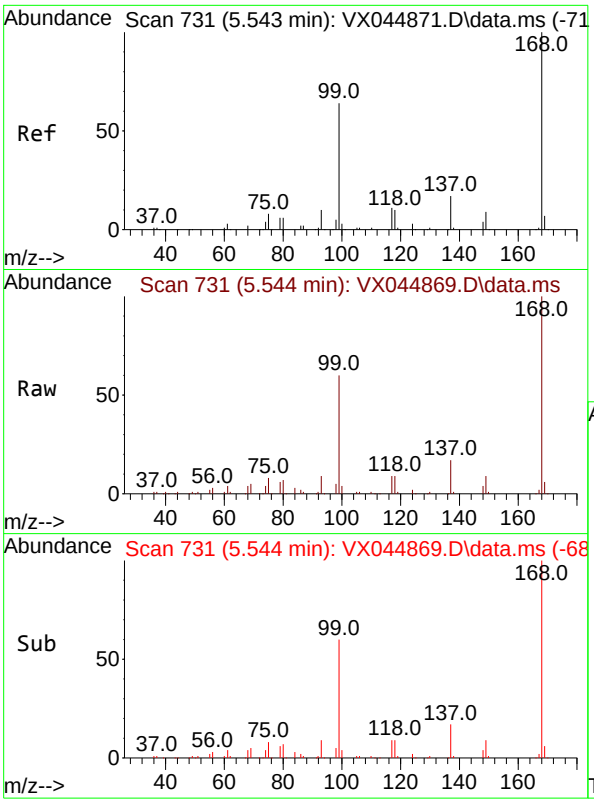
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 11 01:59:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration



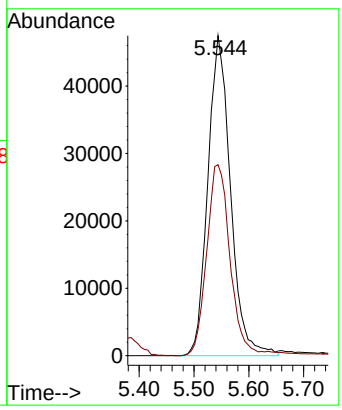


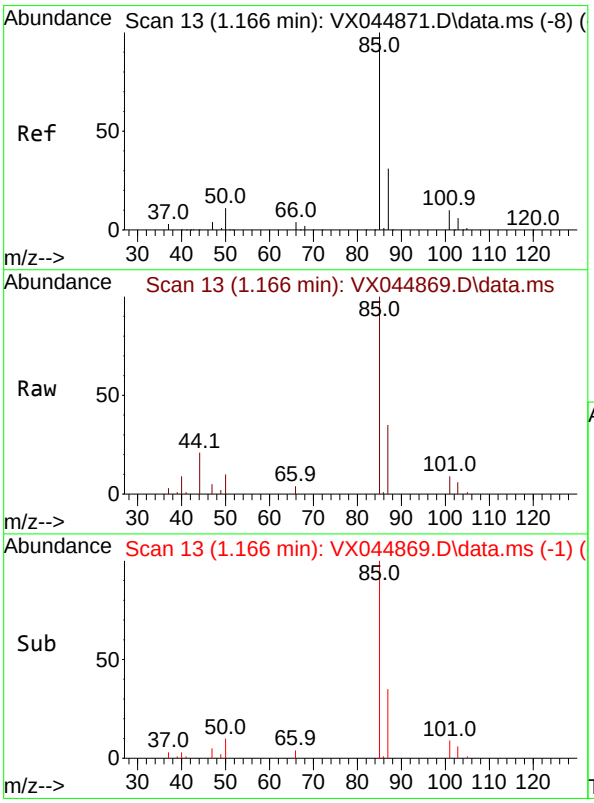
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 136105

Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.2	76.8

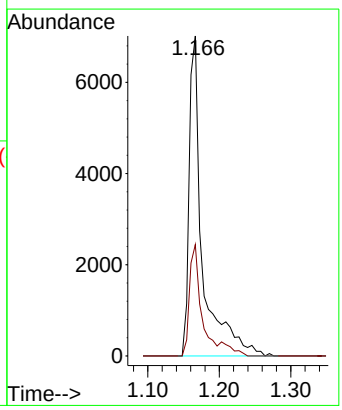


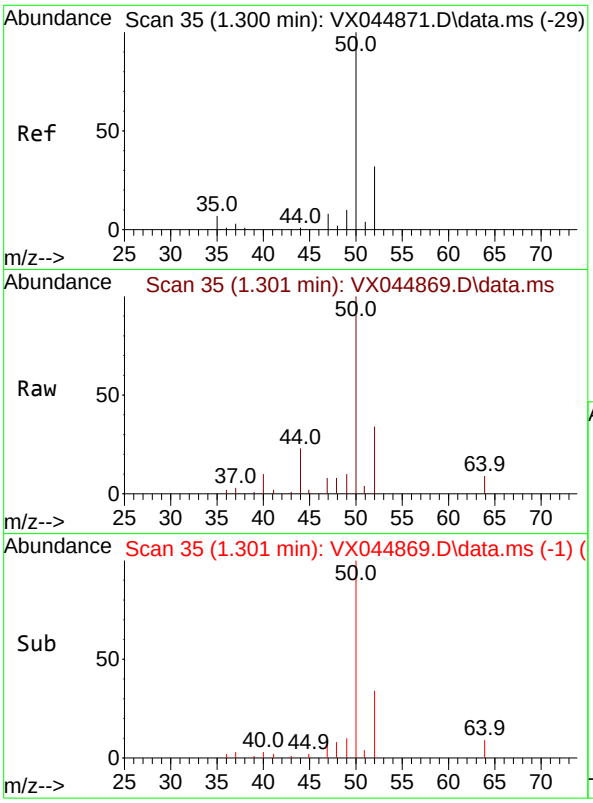


#2
Dichlorodifluoromethane
Concen: 4.772 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 85 Resp: 9109

Ion	Ratio	Lower	Upper
85	100		
87	34.8	15.8	47.3



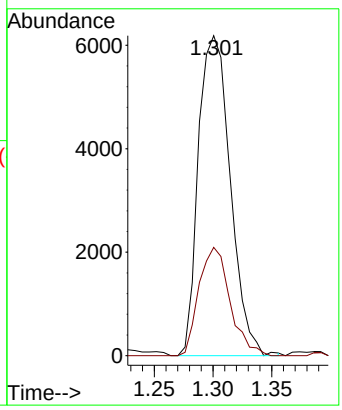


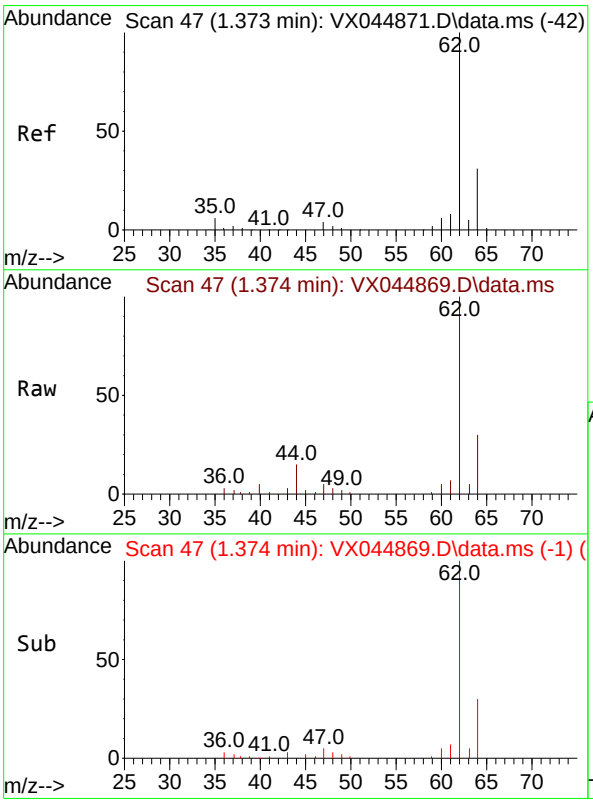
#3
Chloromethane
Concen: 5.041 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 11711

Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.9	38.9

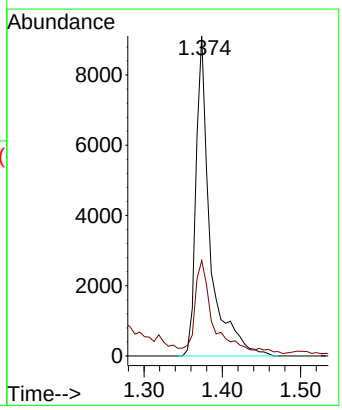


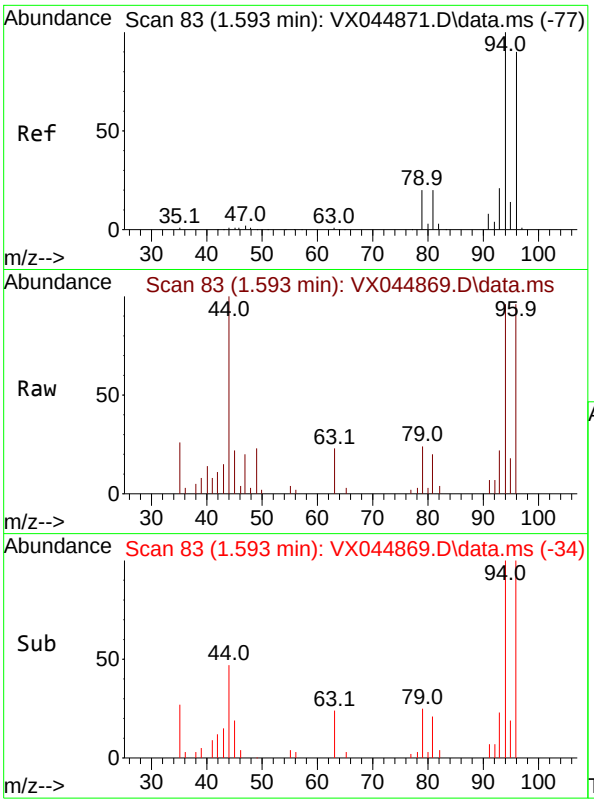


#4
Vinyl Chloride
Concen: 5.113 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11509

Ion	Ratio	Lower	Upper
62	100		
64	28.4	25.4	38.0



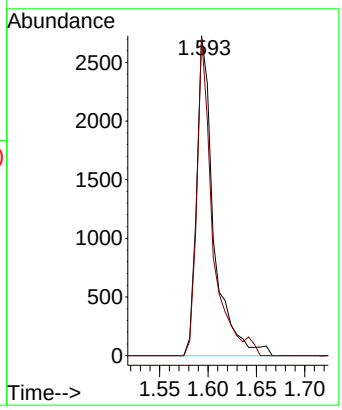


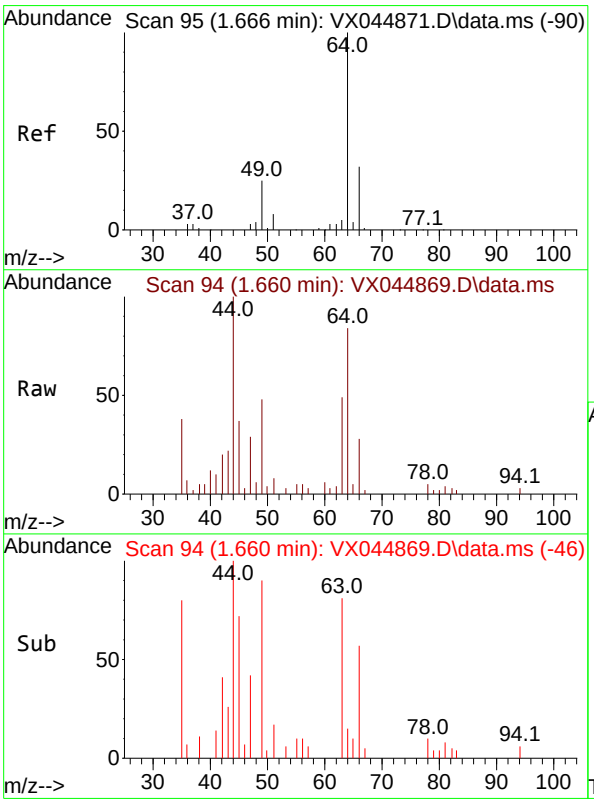
#5
Bromomethane
Concen: 5.005 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3371

Ion	Ratio	Lower	Upper
94	100		
96	100.2	71.6	107.4

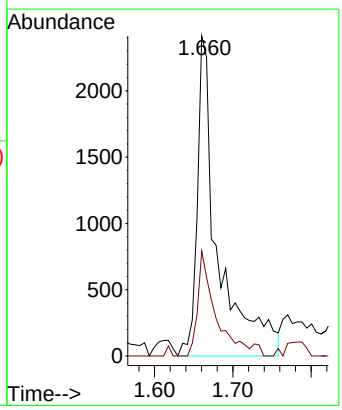


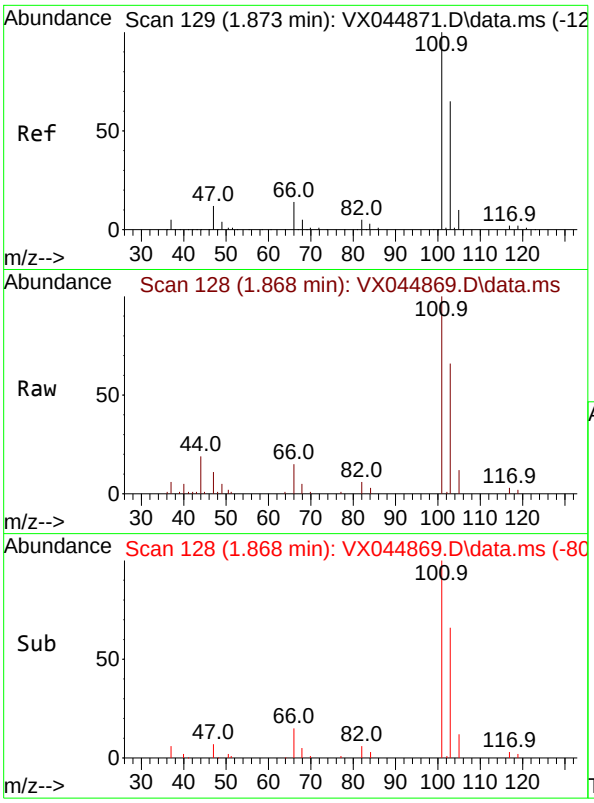


#6
Chloroethane
Concen: 5.565 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 64 Resp: 4436

Ion	Ratio	Lower	Upper
64	100		
66	32.8	25.9	38.9



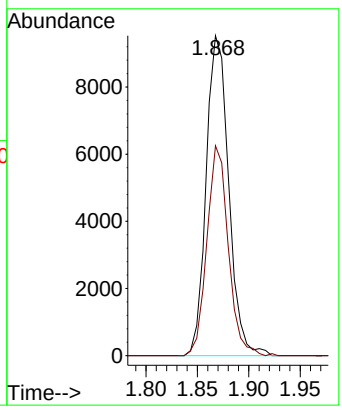


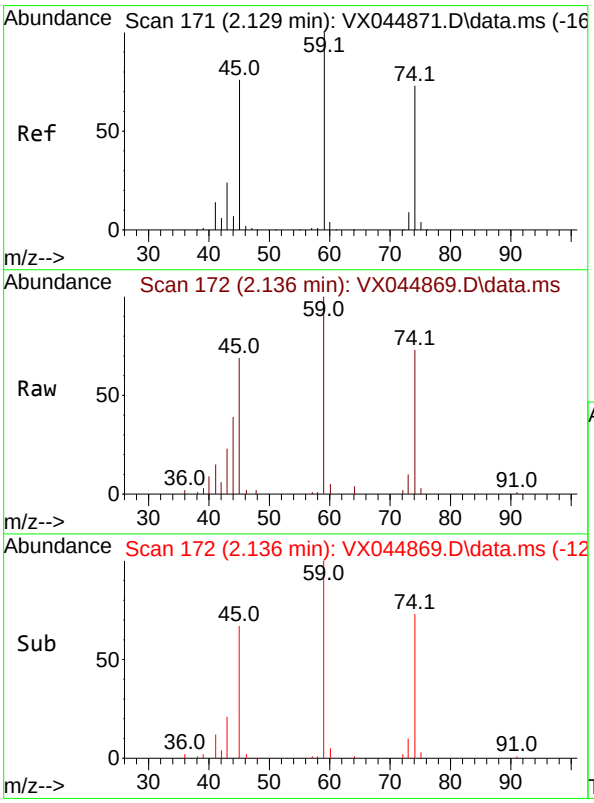
#7
Trichlorofluoromethane
Concen: 5.096 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 14506

Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.4	78.6

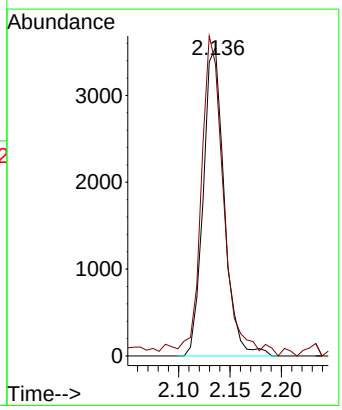


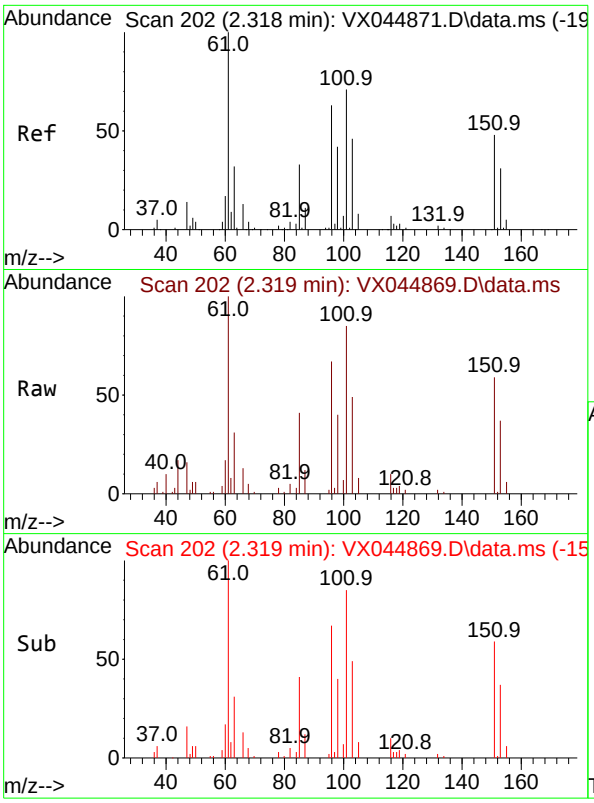


#8
Diethyl Ether
Concen: 4.904 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 74 Resp: 5062

Ion	Ratio	Lower	Upper
74	100		
45	112.2	51.1	153.4



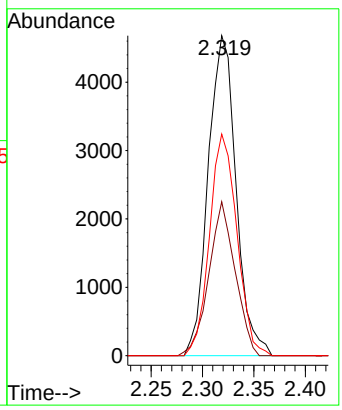


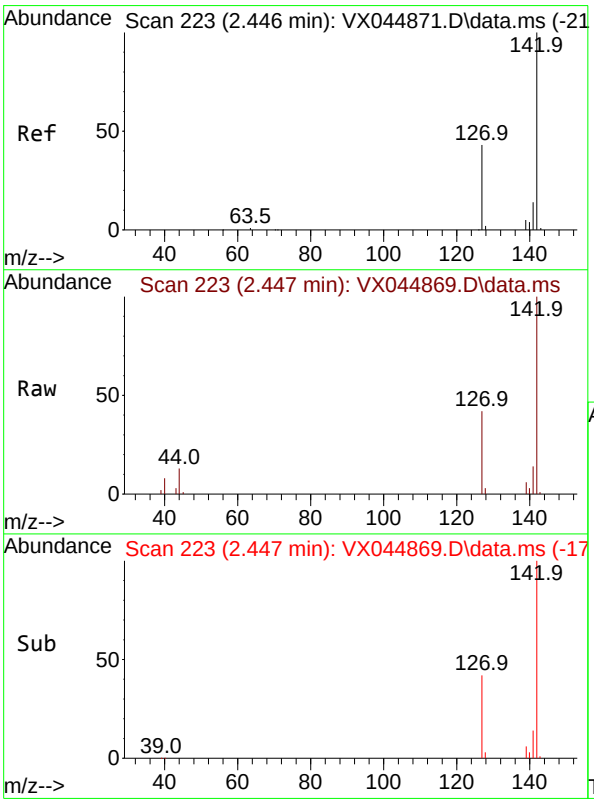
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.120 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 8805

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

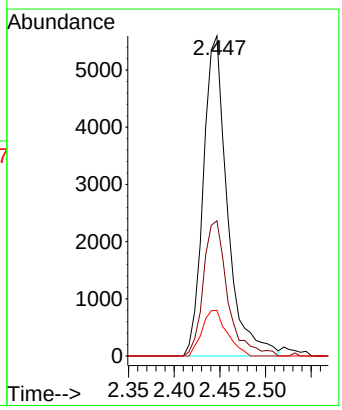


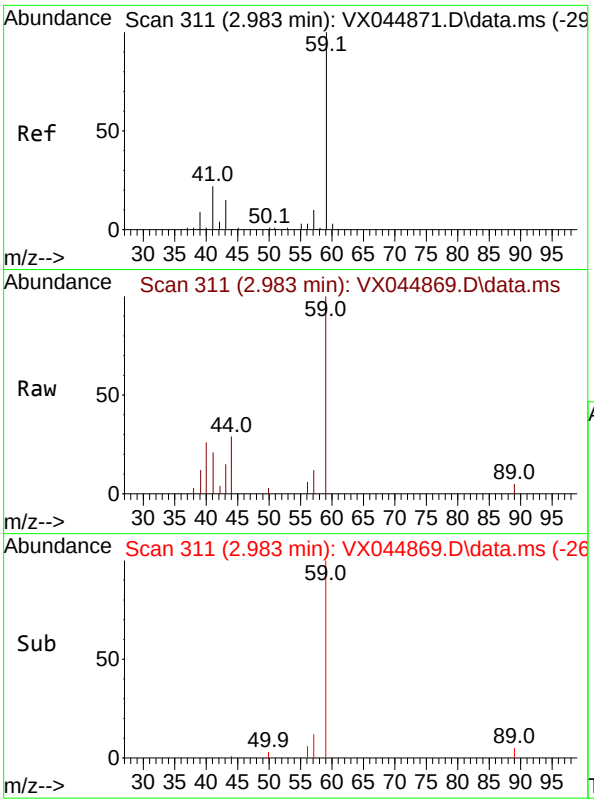


#10
Methyl Iodide
Concen: 4.591 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:142 Resp: 10233

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



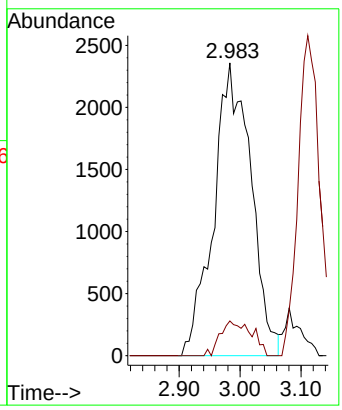


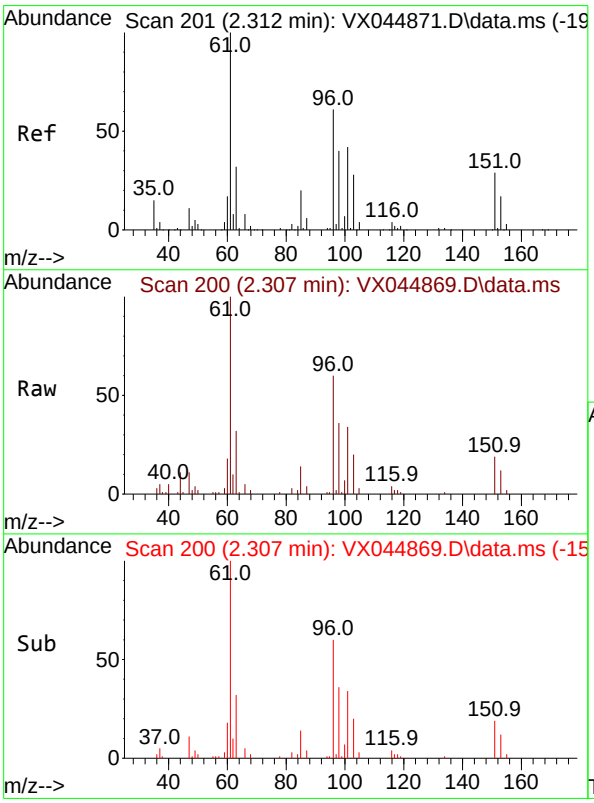
#11
Tert butyl alcohol
Concen: 27.175 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 10044

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

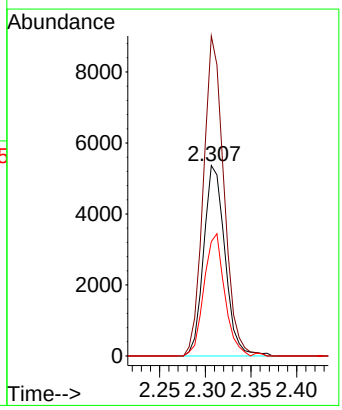


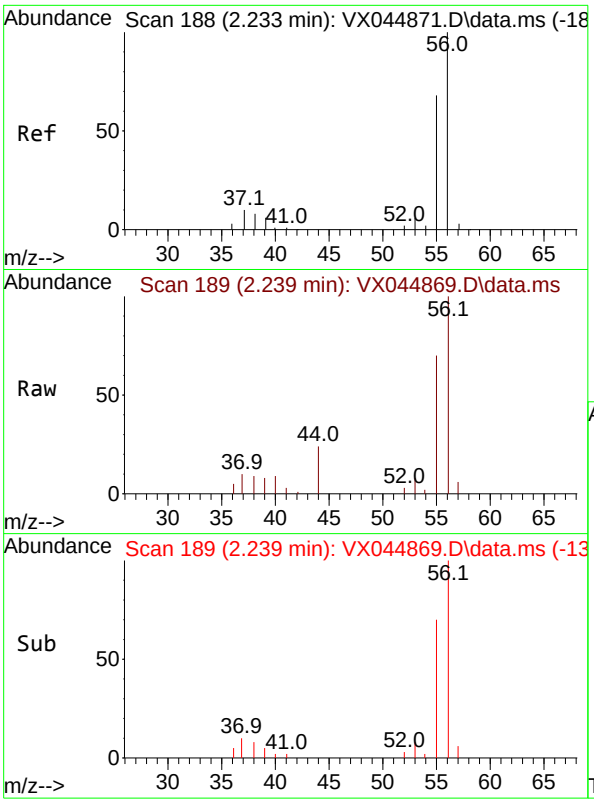


#12
1,1-Dichloroethene
Concen: 4.955 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 96 Resp: 8692

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



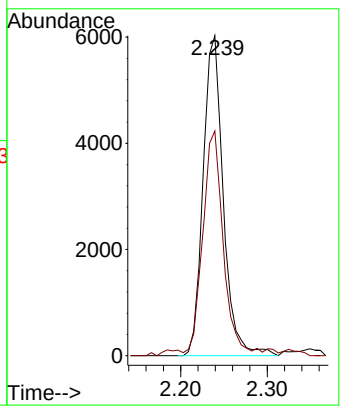


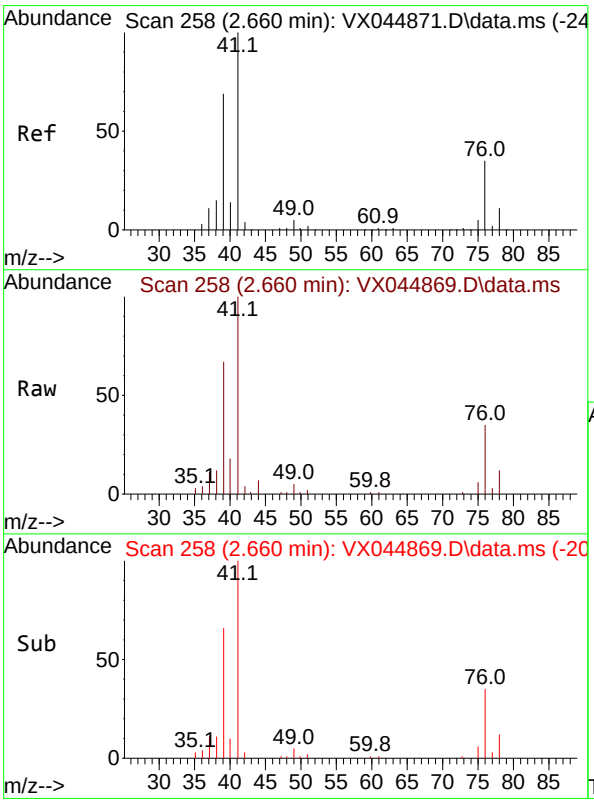
#13
Acrolein
Concen: 25.567 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 9750

Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.7	83.5

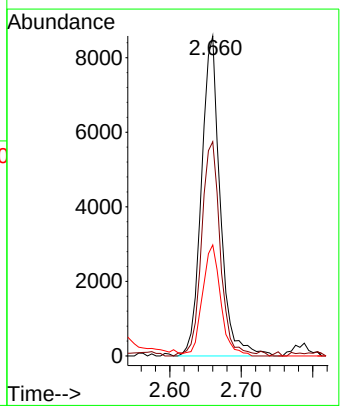


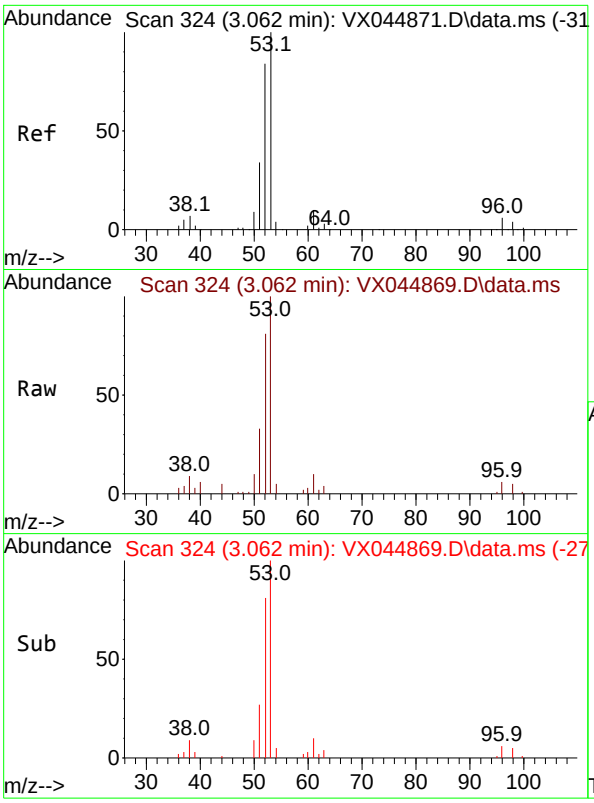


#14
Allyl chloride
Concen: 4.936 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 15649

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



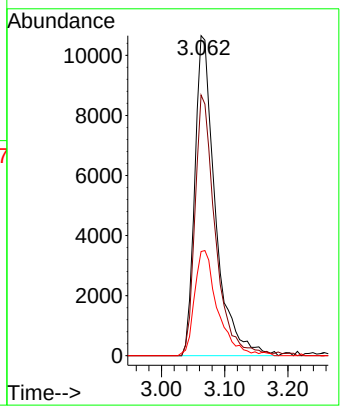


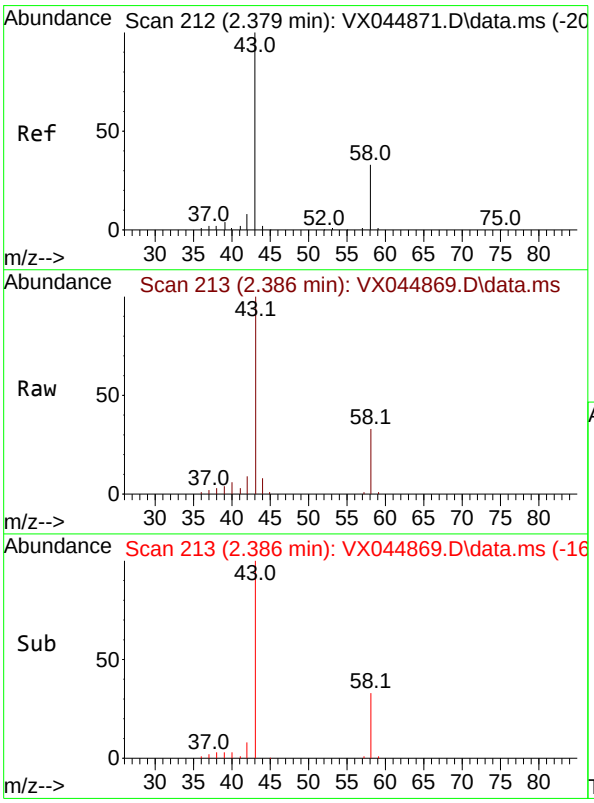
#15
Acrylonitrile
Concen: 24.422 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 24101

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

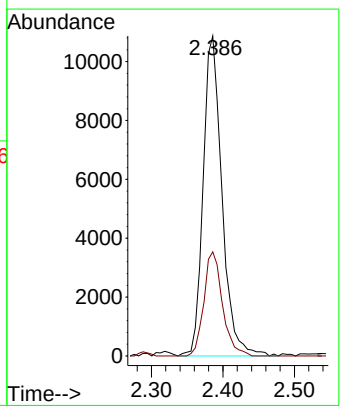


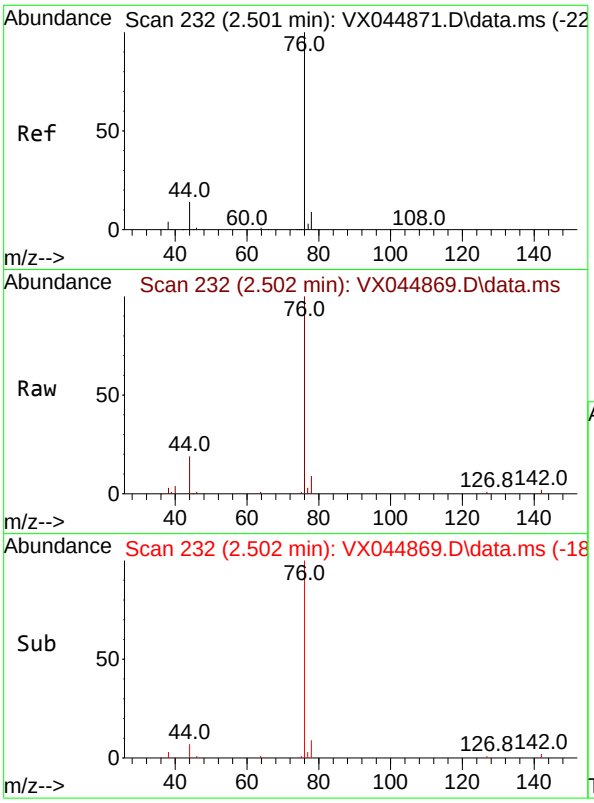


#16
Acetone
Concen: 24.817 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 19877

Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7



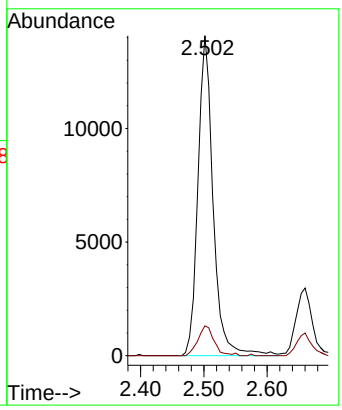


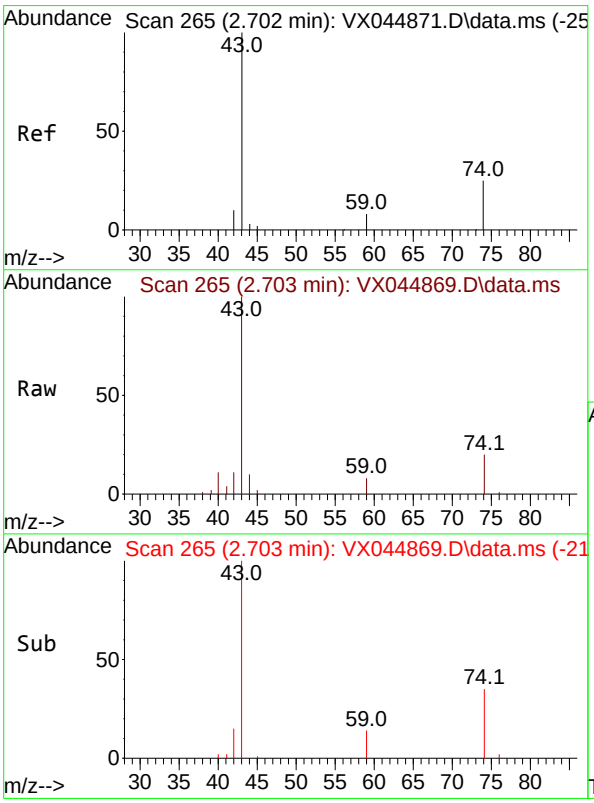
#17
Carbon Disulfide
Concen: 4.899 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 23568

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

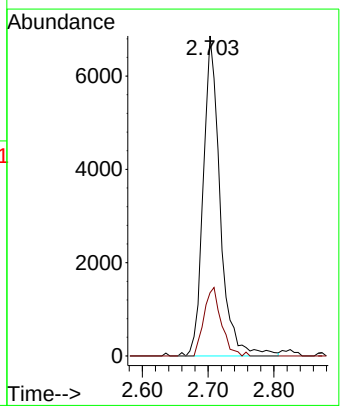


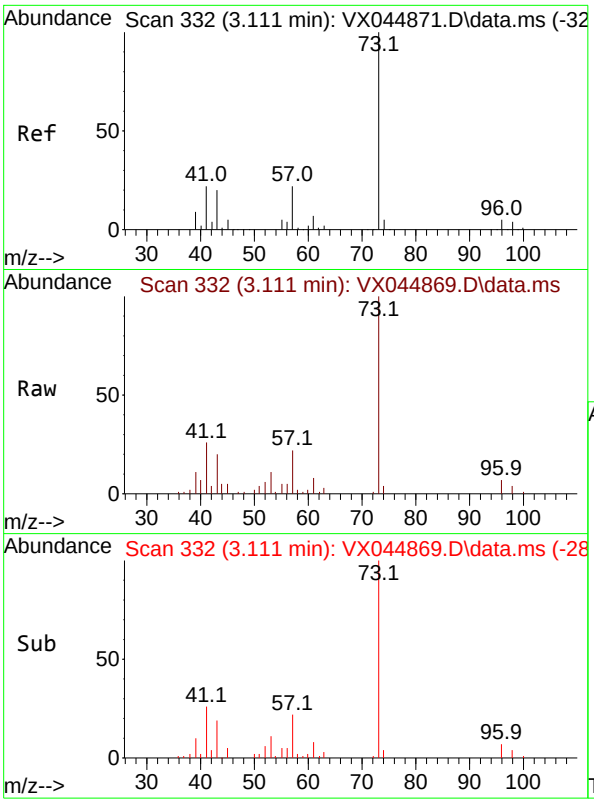


#18
Methyl Acetate
Concen: 4.850 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 12257

Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.9	28.3



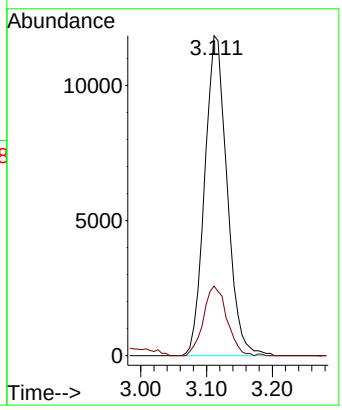


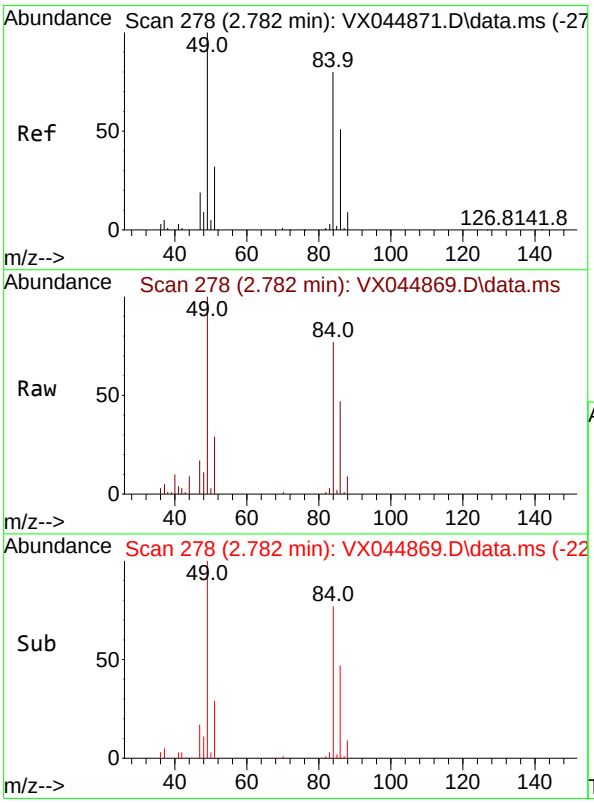
#19
Methyl tert-butyl Ether
Concen: 5.034 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 28100

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.9	26.9

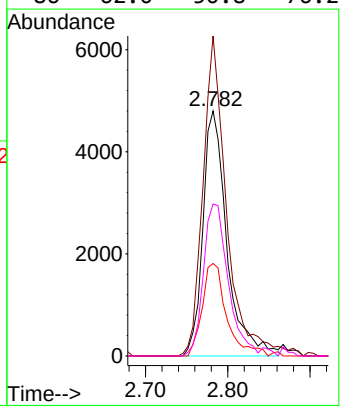


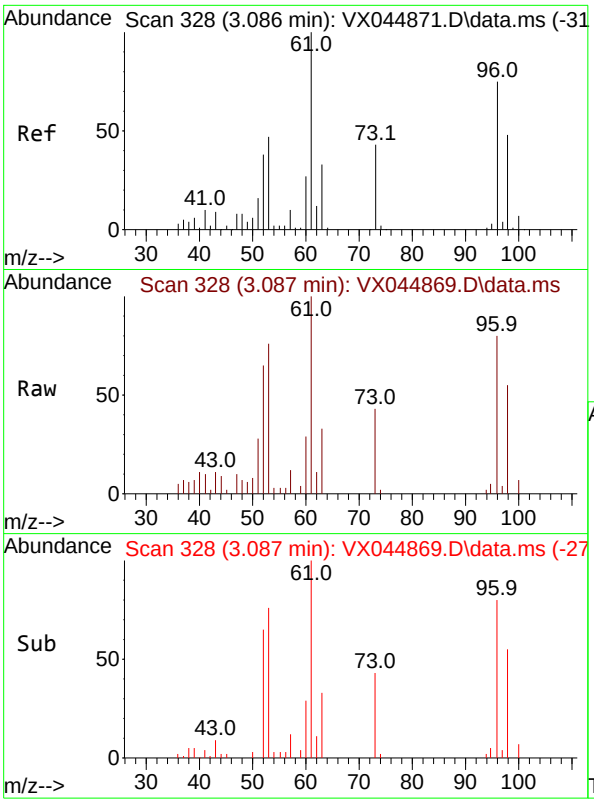


#20
Methylene Chloride
Concen: 4.973 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 84 Resp: 9757

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



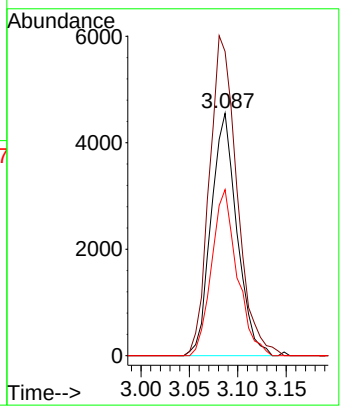


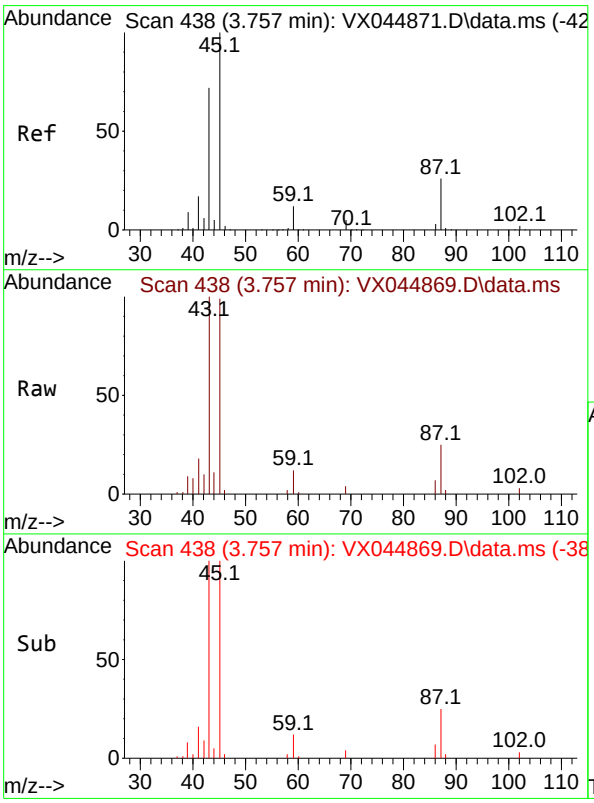
#21
trans-1,2-Dichloroethene
Concen: 4.906 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 8470

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

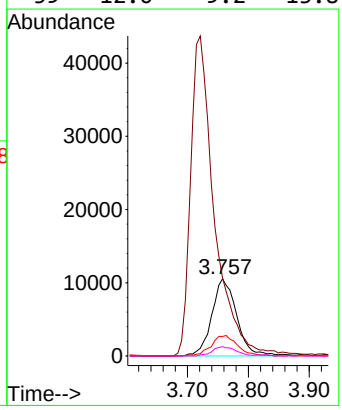


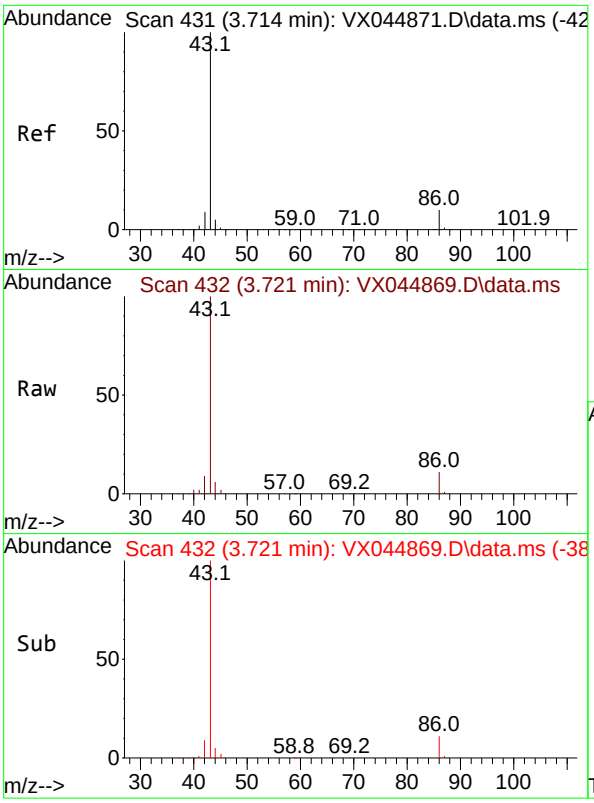


#22
Diisopropyl ether
Concen: 4.963 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 45 Resp: 29768

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



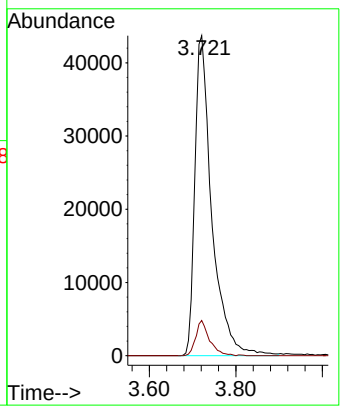


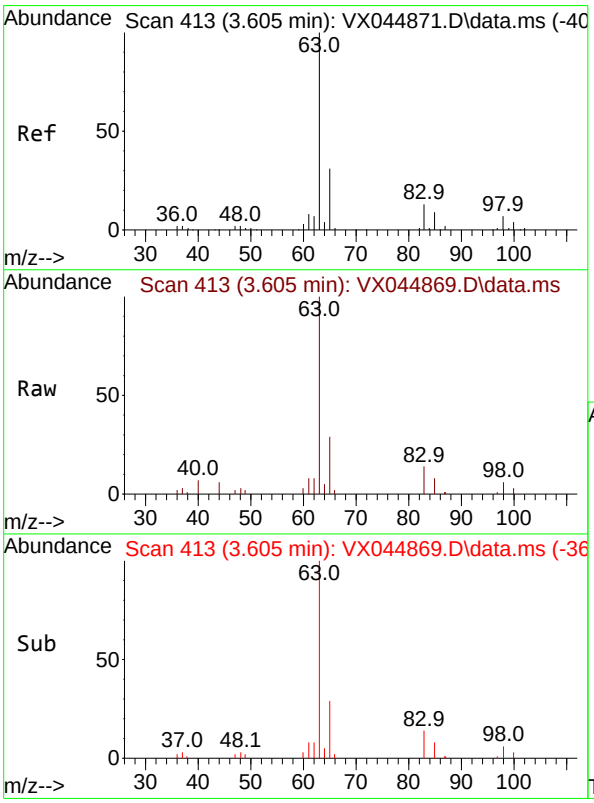
#23
Vinyl Acetate
Concen: 24.358 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 119108

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.3	12.5

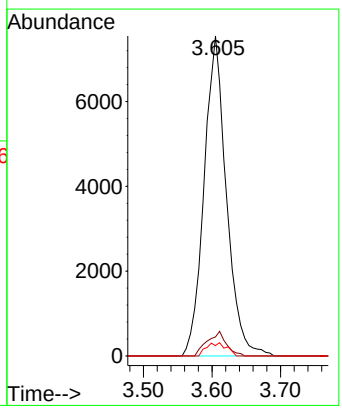


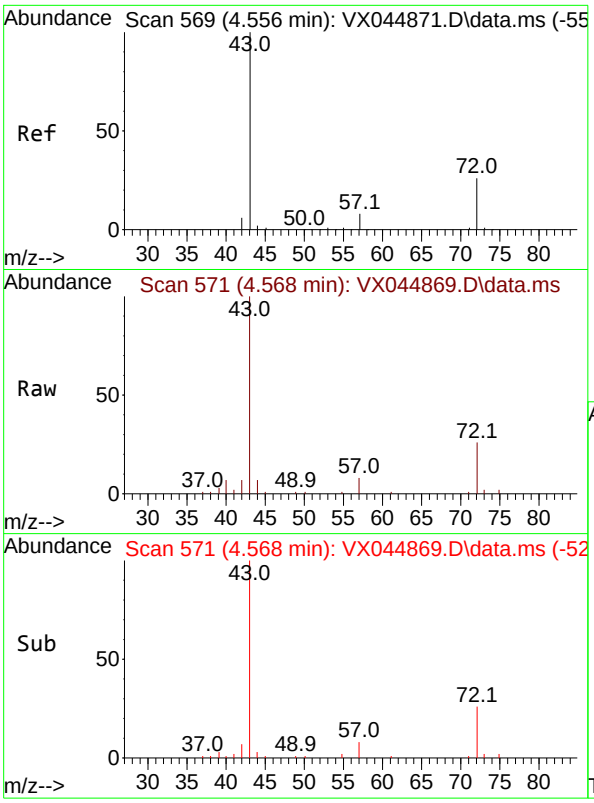


#24
1,1-Dichloroethane
Concen: 5.099 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 17113

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



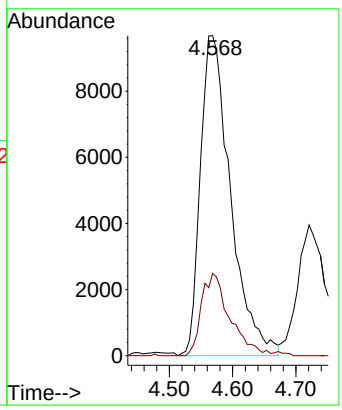


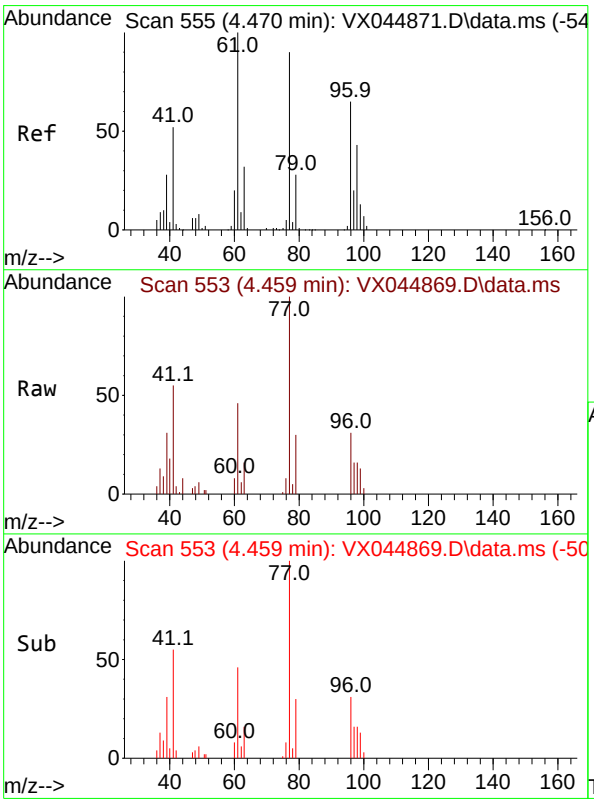
#25
2-Butanone
Concen: 24.698 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 32121

Ion	Ratio	Lower	Upper
43	100		
72	25.7	21.2	31.8

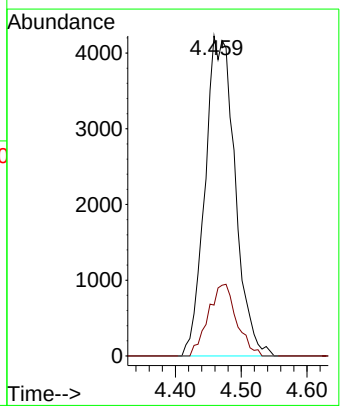


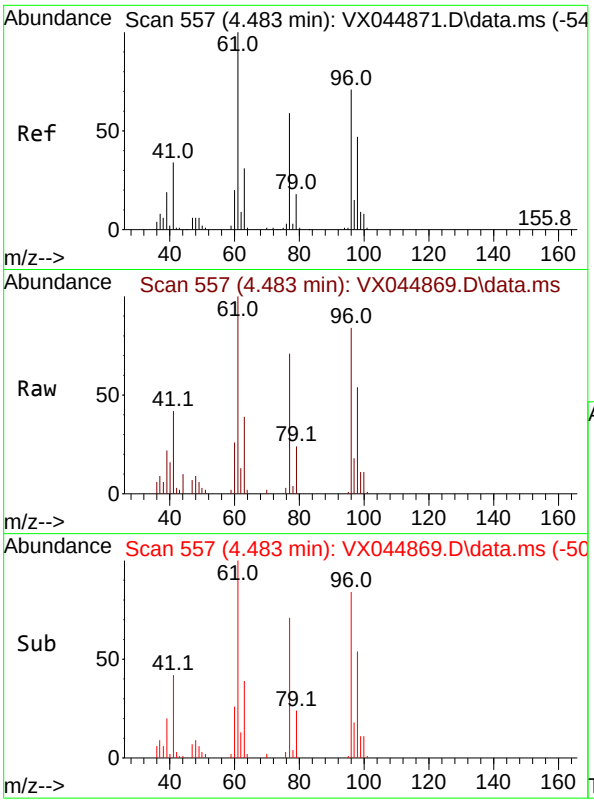


#26
2,2-Dichloropropane
Concen: 5.022 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.012 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 77 Resp: 13365

Ion	Ratio	Lower	Upper
77	100		
97	21.2	11.8	35.3



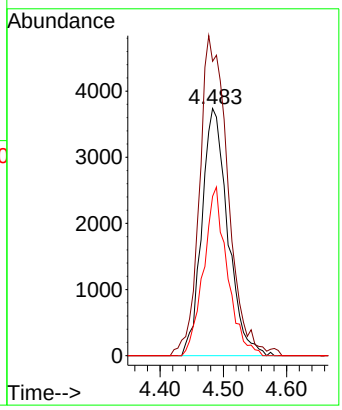


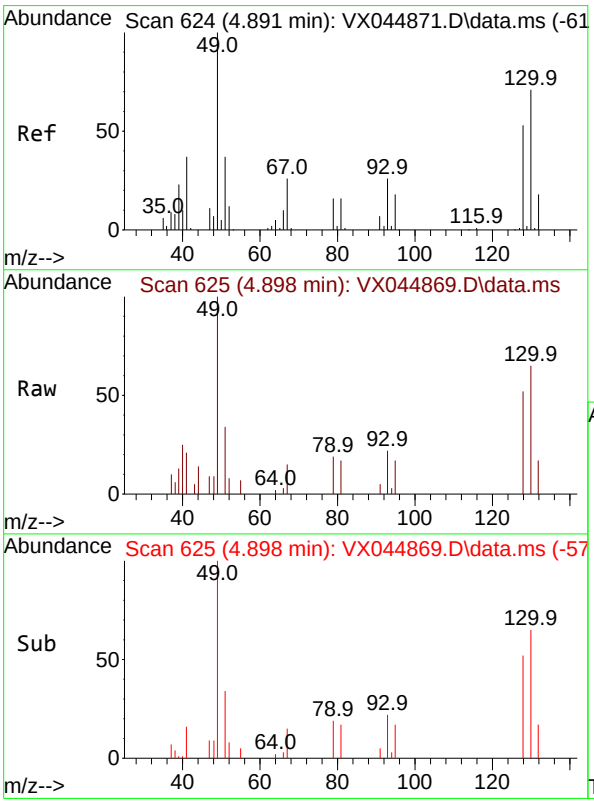
#27
cis-1,2-Dichloroethene
Concen: 5.141 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10662

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

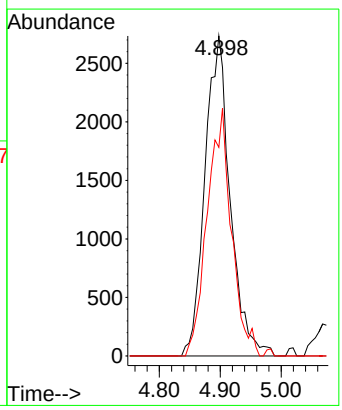


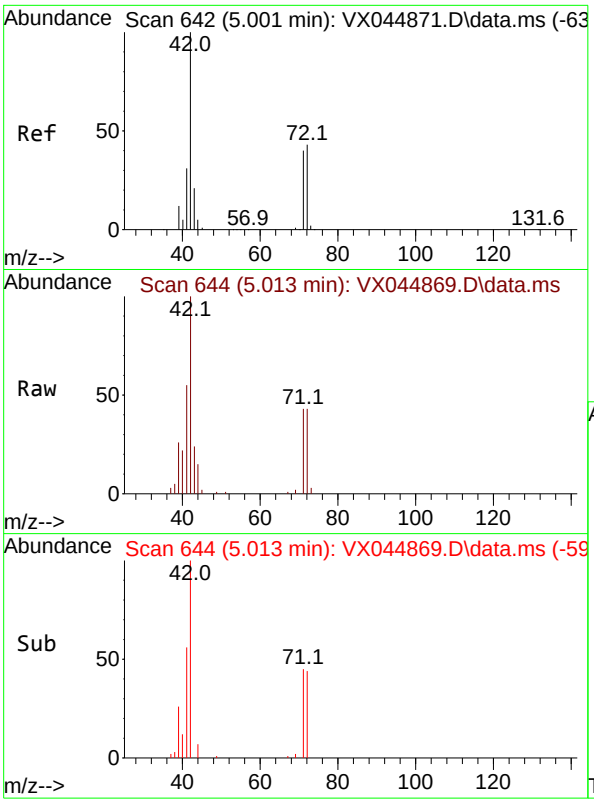


#28
Bromochloromethane
Concen: 4.886 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 49 Resp: 7881

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



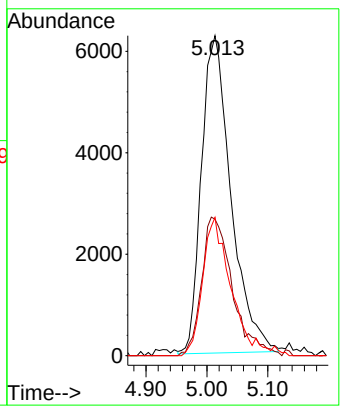


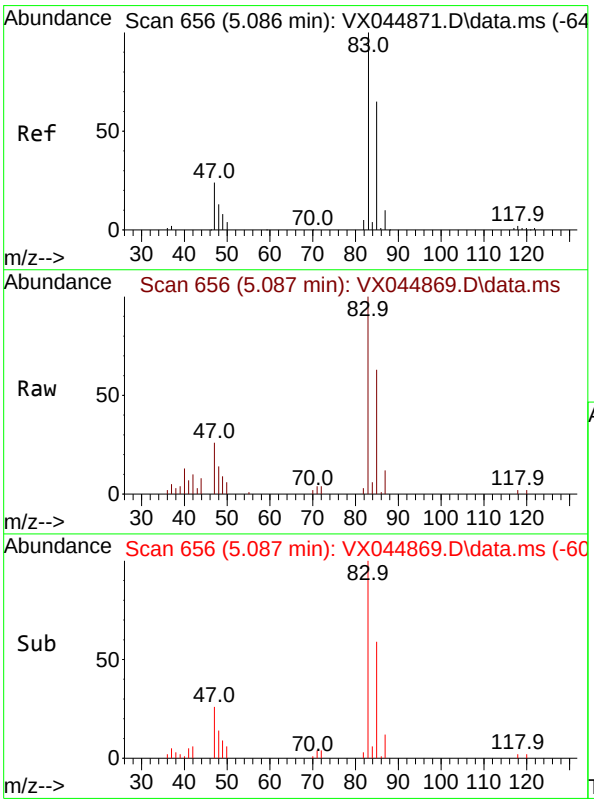
#29
Tetrahydrofuran
Concen: 24.429 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 21097

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

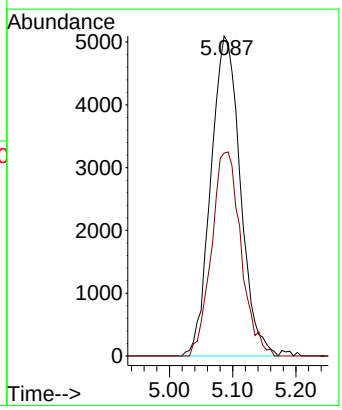


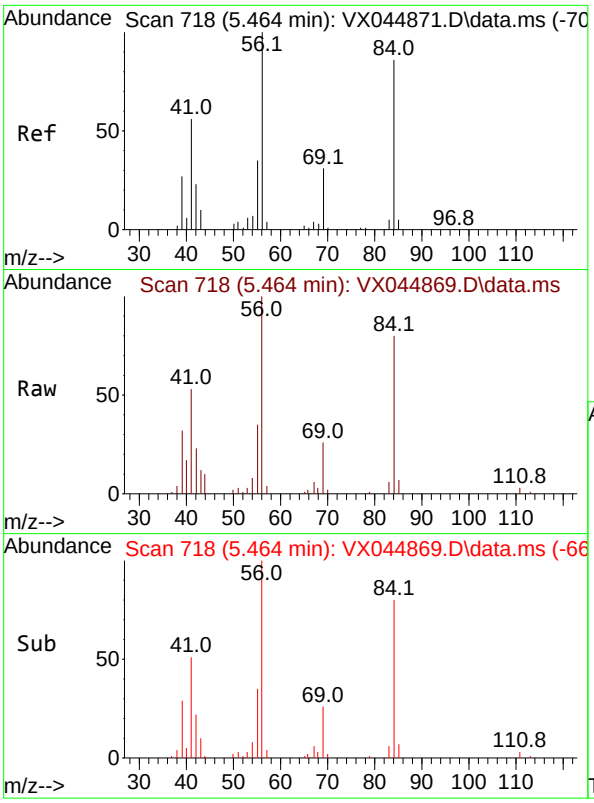


#30
Chloroform
Concen: 5.054 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 83 Resp: 16449

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.1	78.1



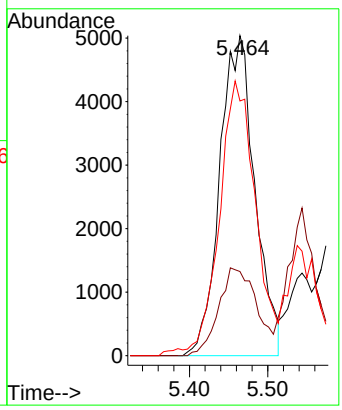


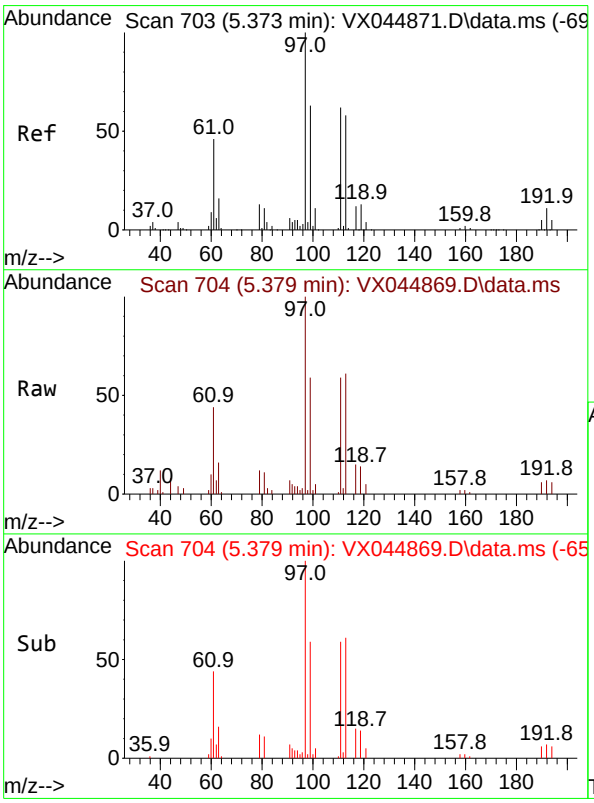
#31
Cyclohexane
Concen: 5.076 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 15705

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

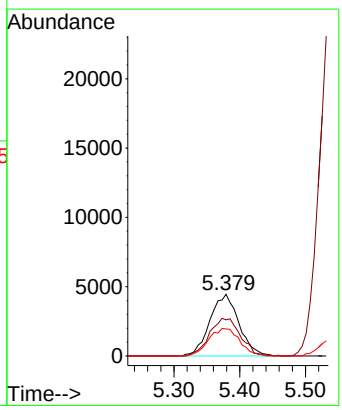


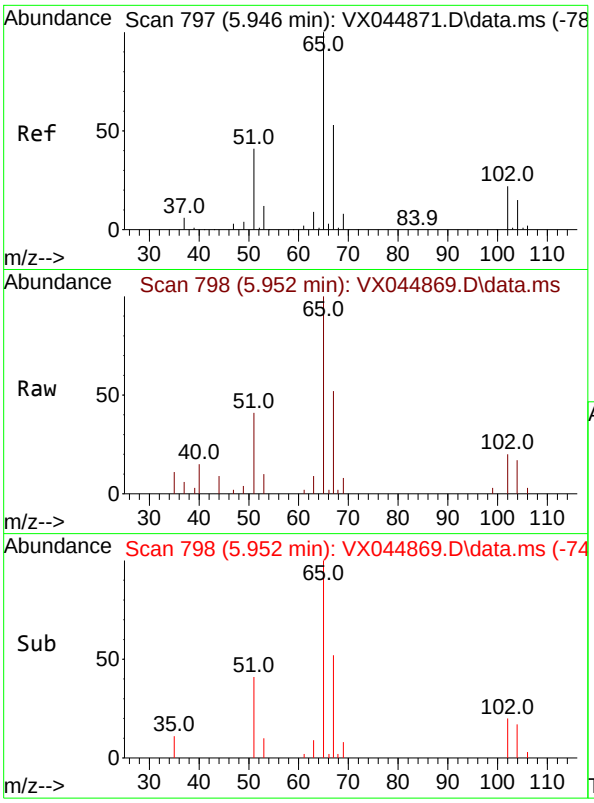


#32
1,1,1-Trichloroethane
Concen: 4.947 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 97 Resp: 13658

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



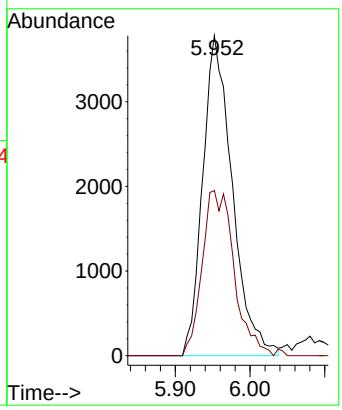


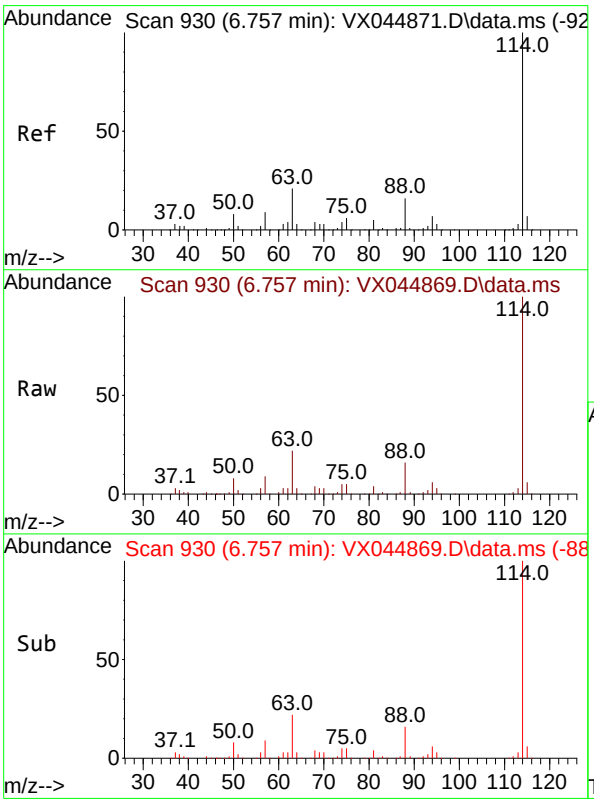
#33
1,2-Dichloroethane-d4
Concen: 5.219 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 10397

Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	108.2

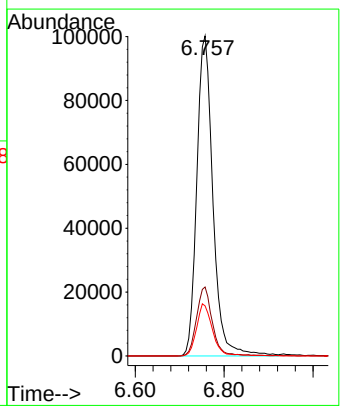


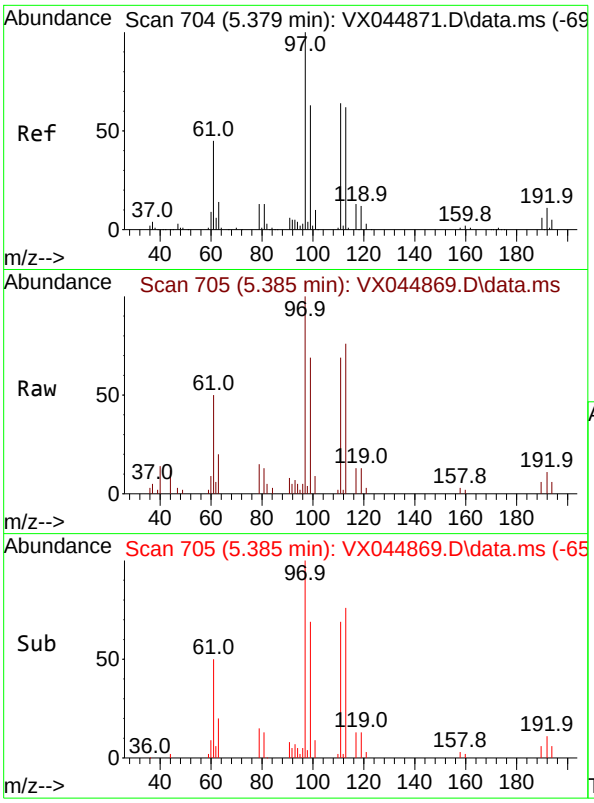


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:114 Resp: 253314

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



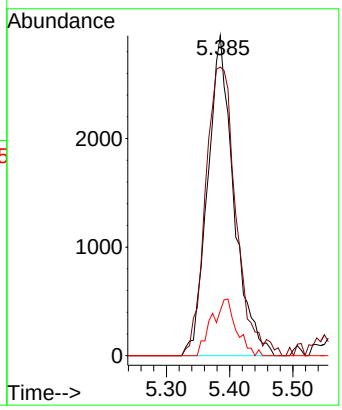


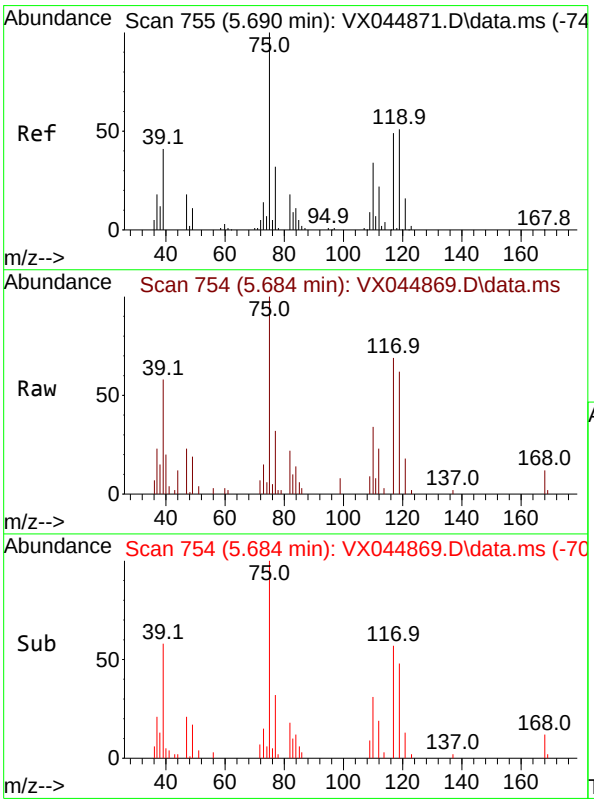
#35
Dibromofluoromethane
Concen: 5.150 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 8482

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

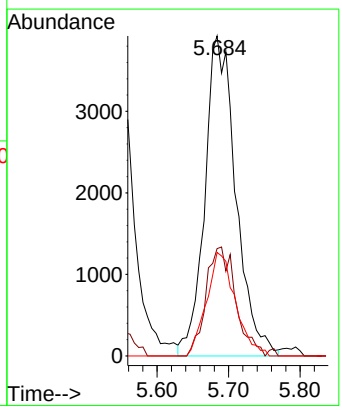


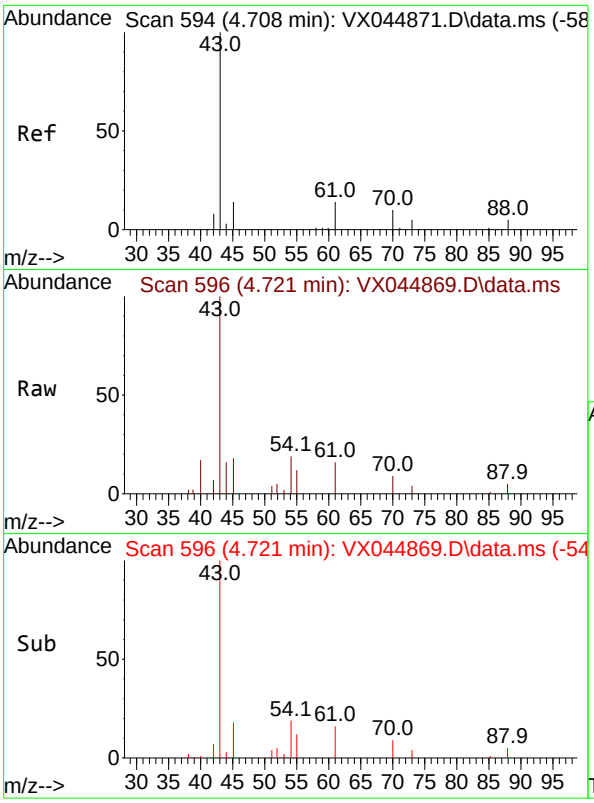


#36
1,1-Dichloropropene
Concen: 4.981 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 11835

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



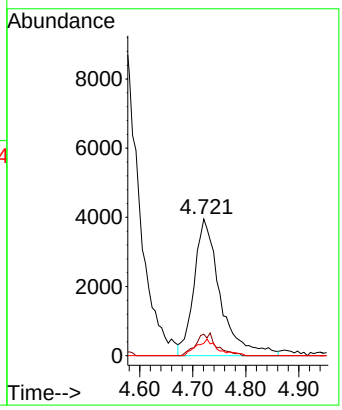


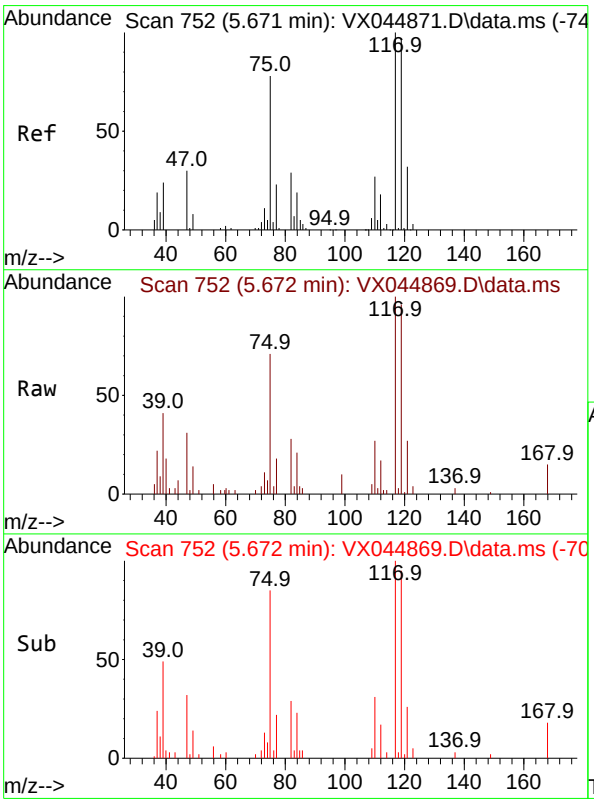
#37
Ethyl Acetate
Concen: 5.119 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13530

Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	9.8	8.2	12.2

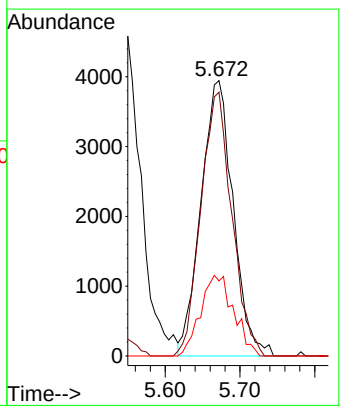


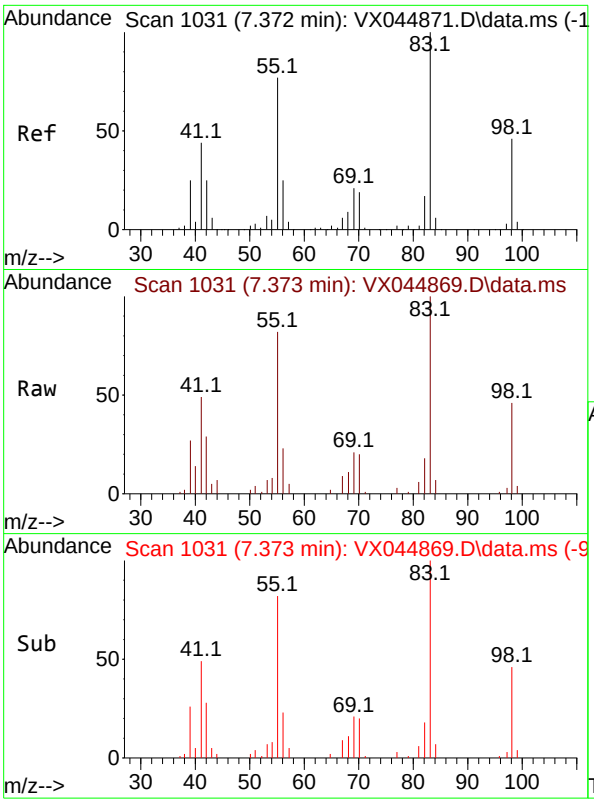


#38
Carbon Tetrachloride
Concen: 5.066 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:117 Resp: 11797

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.5	116.3
121	27.2	25.6	38.4



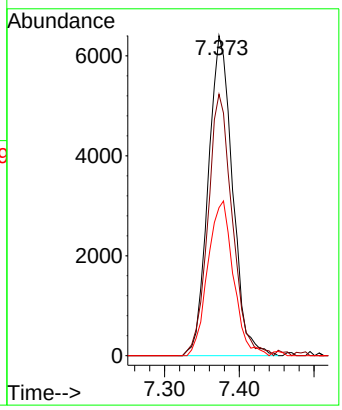


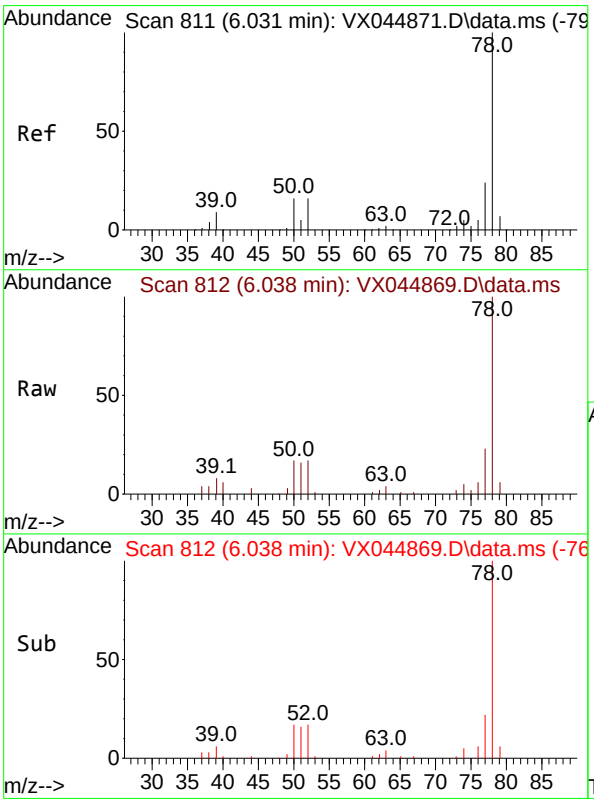
#39
Methylcyclohexane
Concen: 4.711 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 14472

Ion	Ratio	Lower	Upper
83	100		
55	81.7	61.3	91.9
98	46.3	37.0	55.6

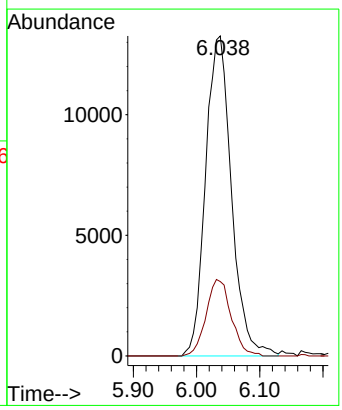


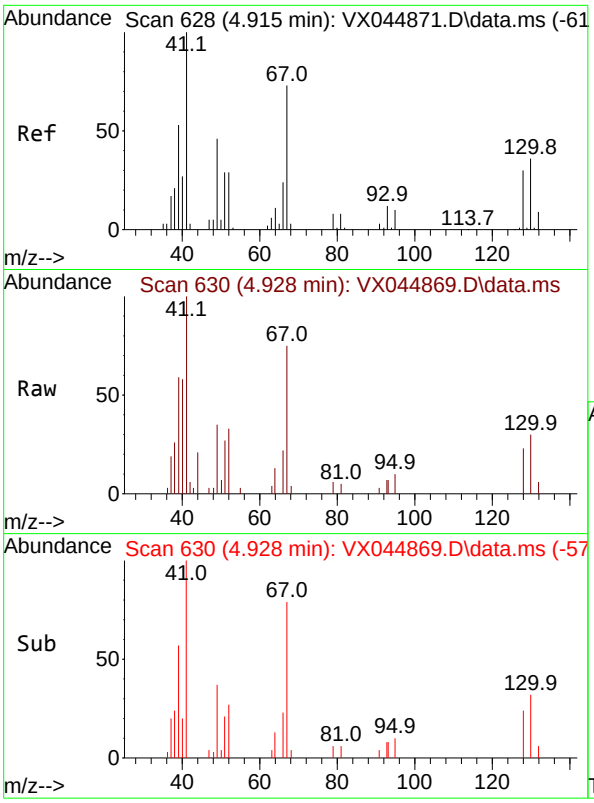


#40
Benzene
Concen: 5.079 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 78 Resp: 37687

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6



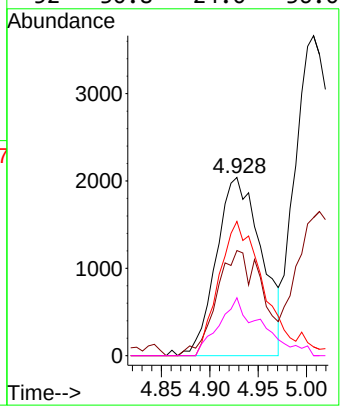


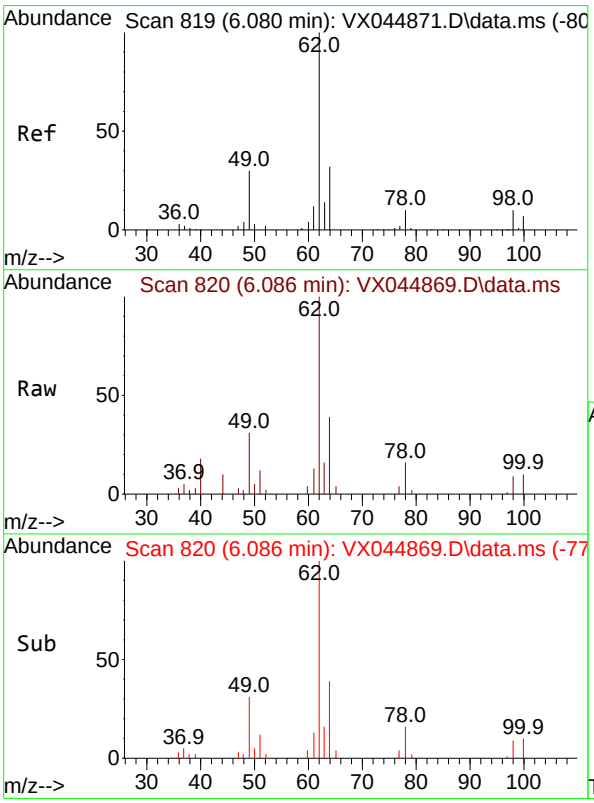
#41
Methacrylonitrile
Concen: 4.699 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 6648

Ion	Ratio	Lower	Upper
41	100		
39	59.4	43.1	64.7
67	72.7	57.0	85.6
52	30.8	24.0	36.0

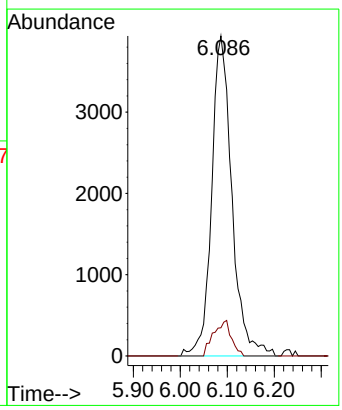


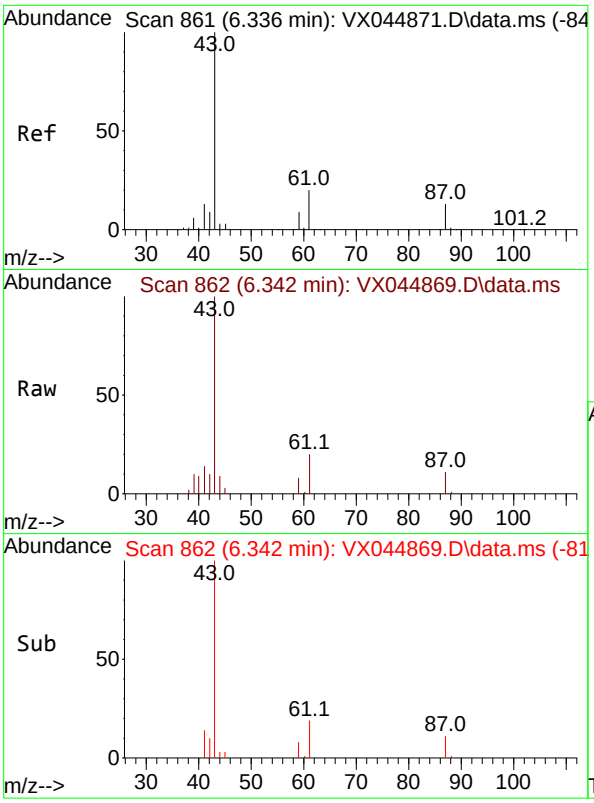


#42
1,2-Dichloroethane
Concen: 4.985 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11789

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4



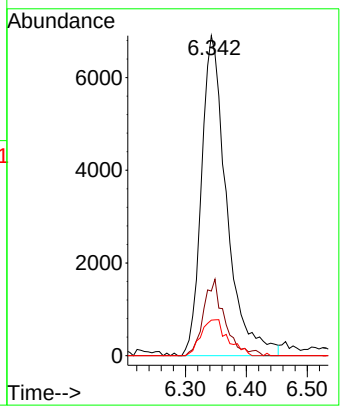


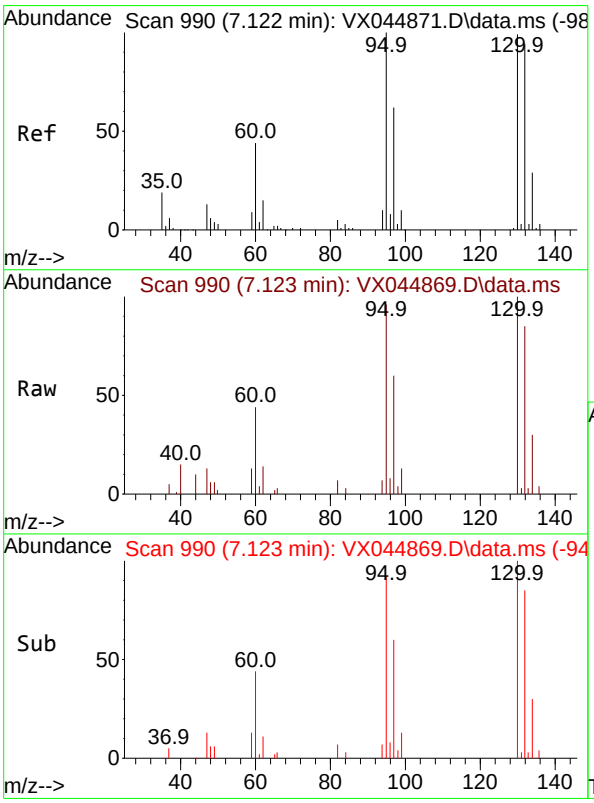
#43
Isopropyl Acetate
Concen: 4.640 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19803

Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.8
87	11.9	10.0	15.0

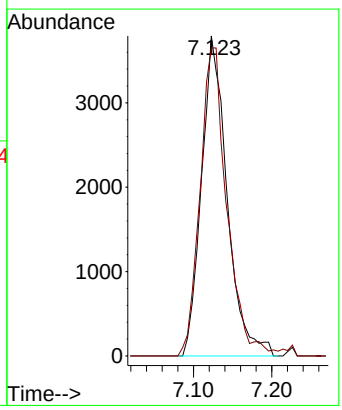


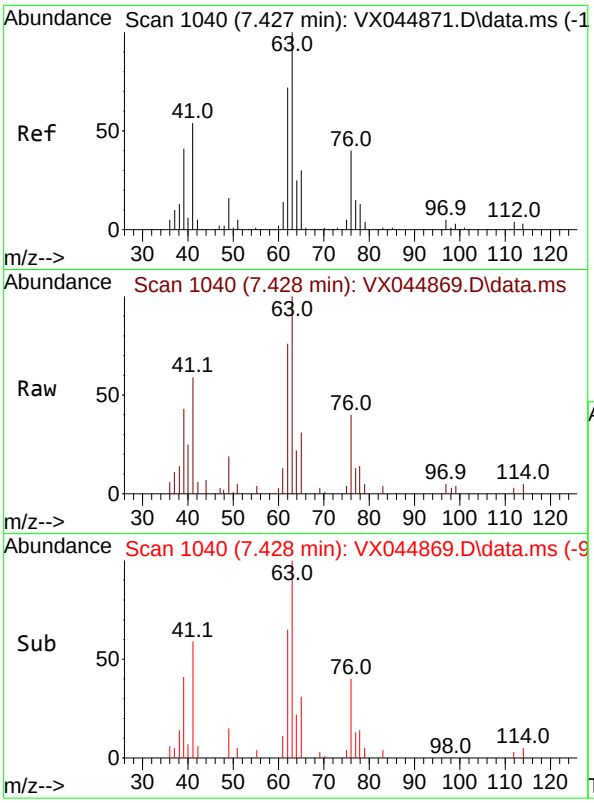


#44
Trichloroethene
Concen: 5.079 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:130 Resp: 8614

Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.4



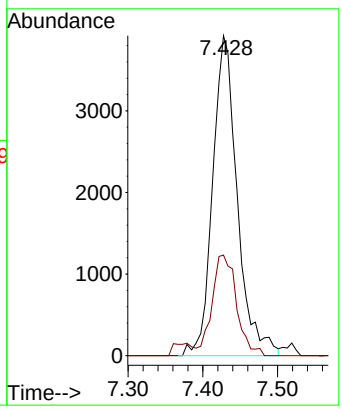


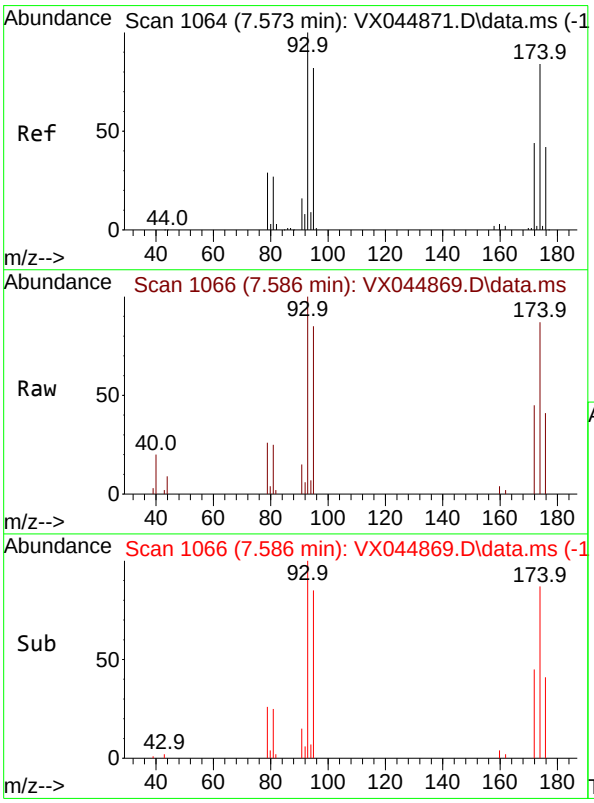
#45
1,2-Dichloropropane
Concen: 4.863 ug/l
RT: 7.428 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 8976

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.4

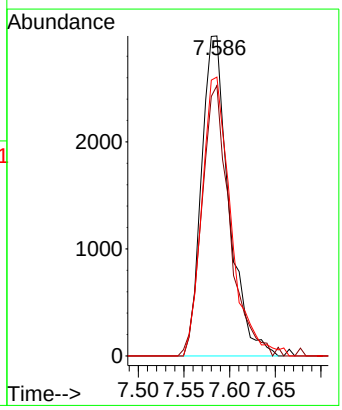


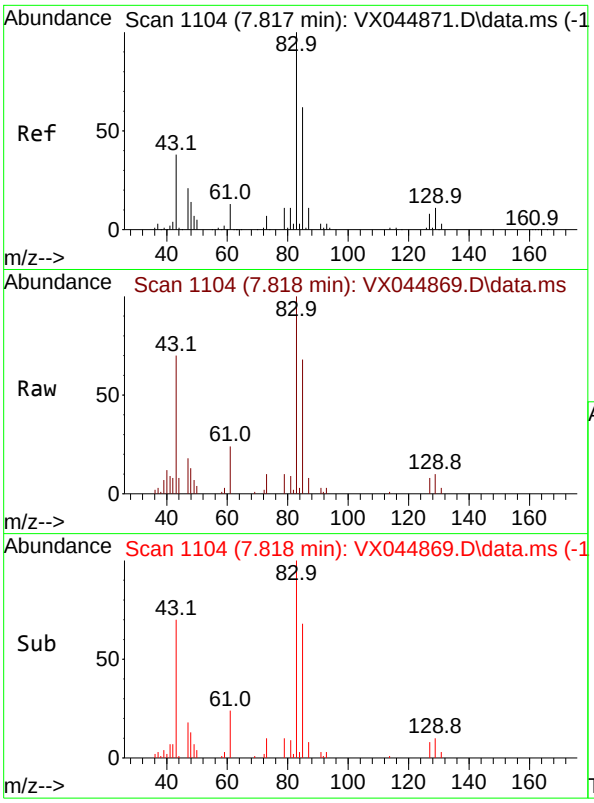


#46
Dibromomethane
Concen: 4.851 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 93 Resp: 6210

Ion	Ratio	Lower	Upper
93	100		
95	86.4	66.2	99.4
174	92.2	69.9	104.9



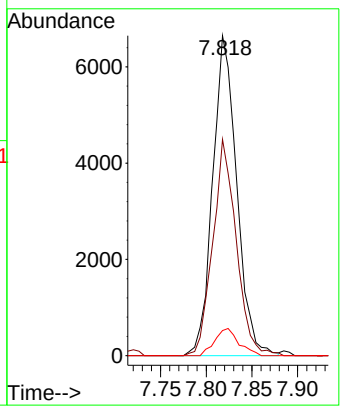


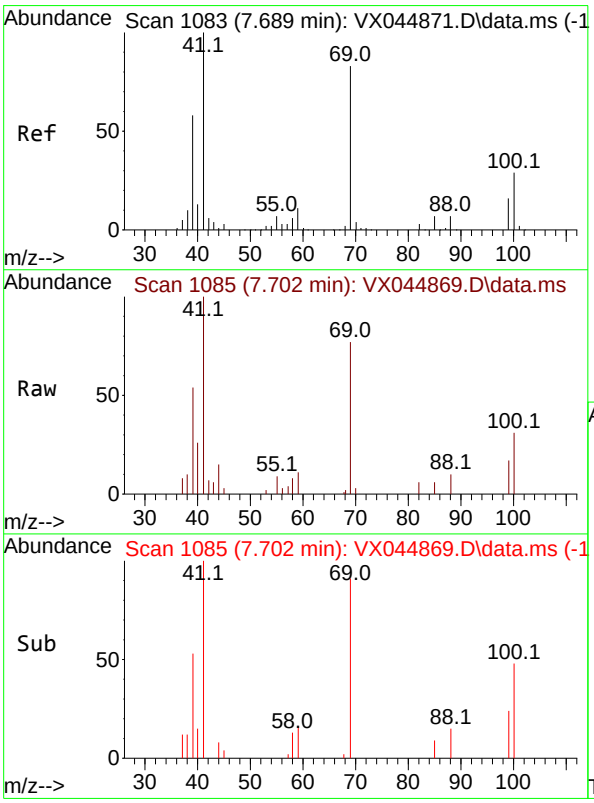
#47
Bromodichloromethane
Concen: 4.911 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 12173

Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.0	75.0
127	7.8	6.4	9.6

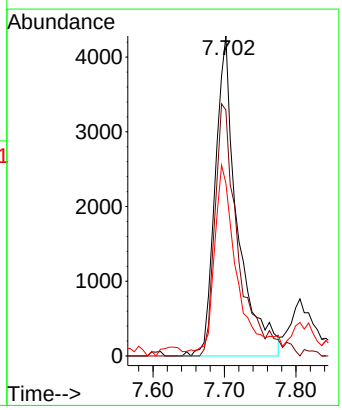


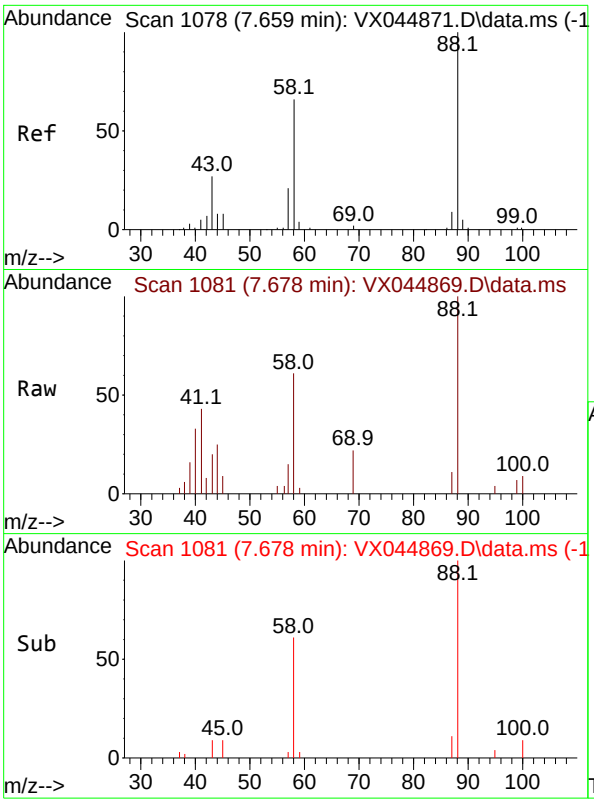


#48
Methyl methacrylate
Concen: 4.620 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 9298

Ion	Ratio	Lower	Upper
41	100		
69	83.0	65.8	98.8
39	54.6	46.4	69.6



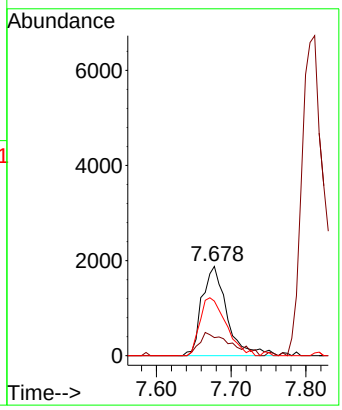


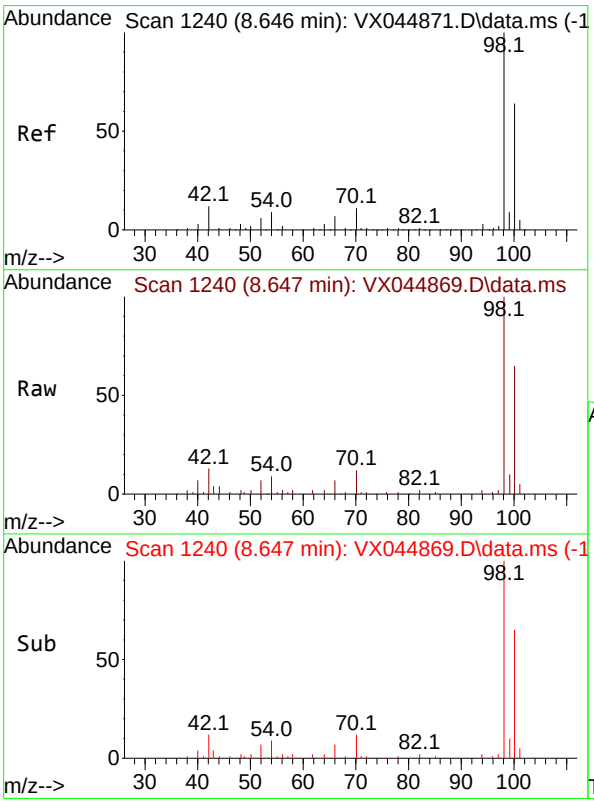
#49
1,4-Dioxane
Concen: 101.099 ug/l
RT: 7.678 min Scan# 1(
Delta R.T. 0.019 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 4365

Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.6	39.8
58	67.9	55.9	83.9

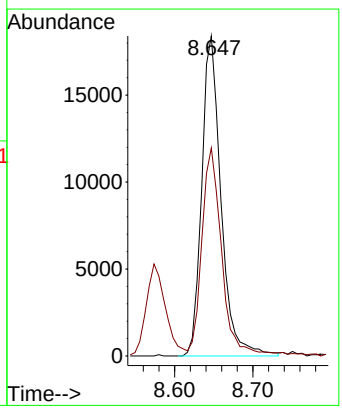


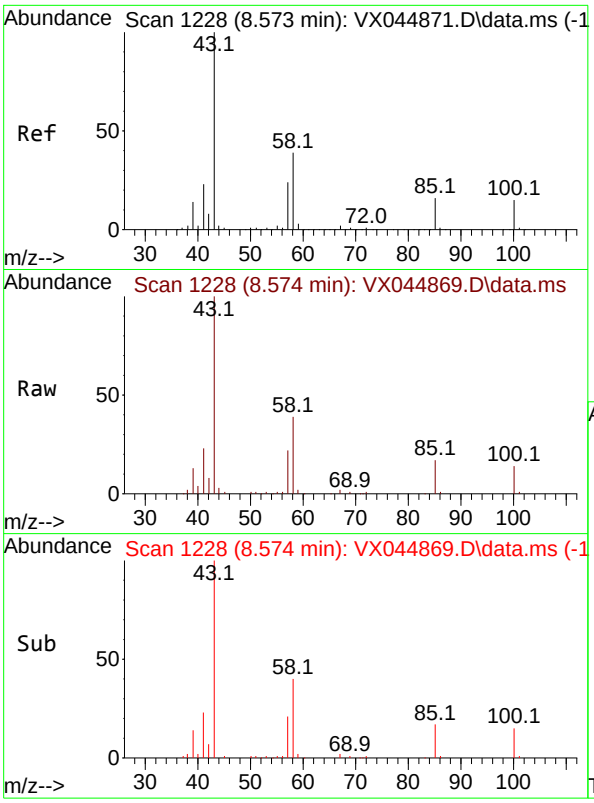


#50
Toluene-d8
Concen: 5.039 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 98 Resp: 31381

Ion	Ratio	Lower	Upper
98	100		
100	67.8	52.7	79.1



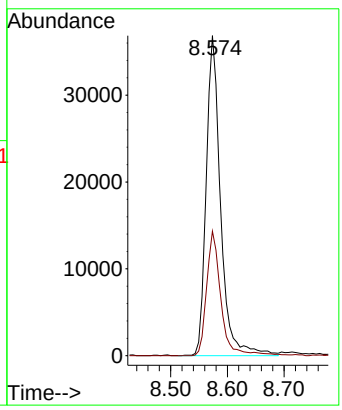


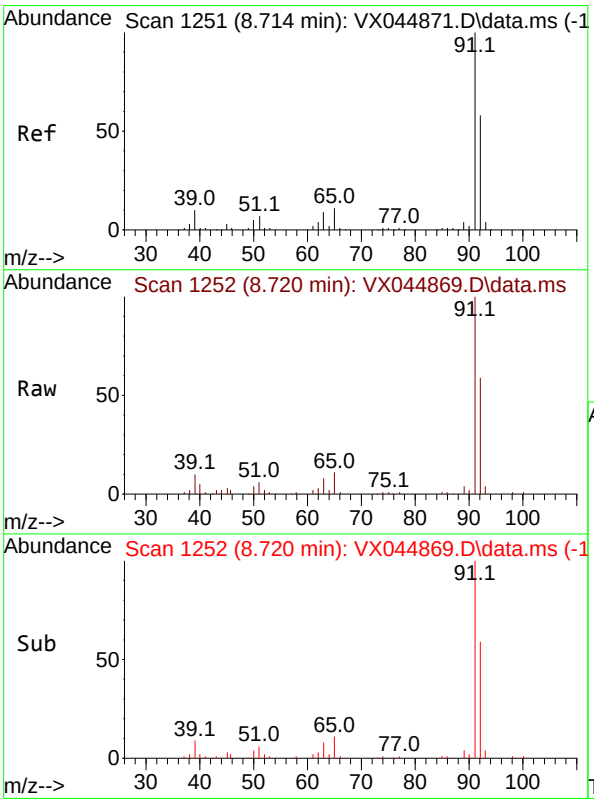
#51
4-Methyl-2-Pentanone
Concen: 25.076 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 65064

Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.8	46.2

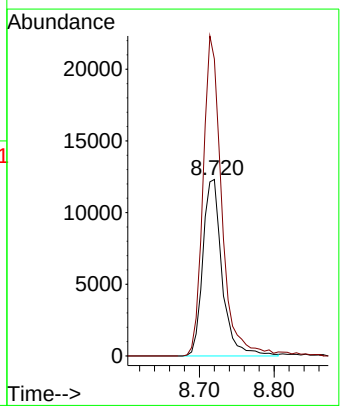


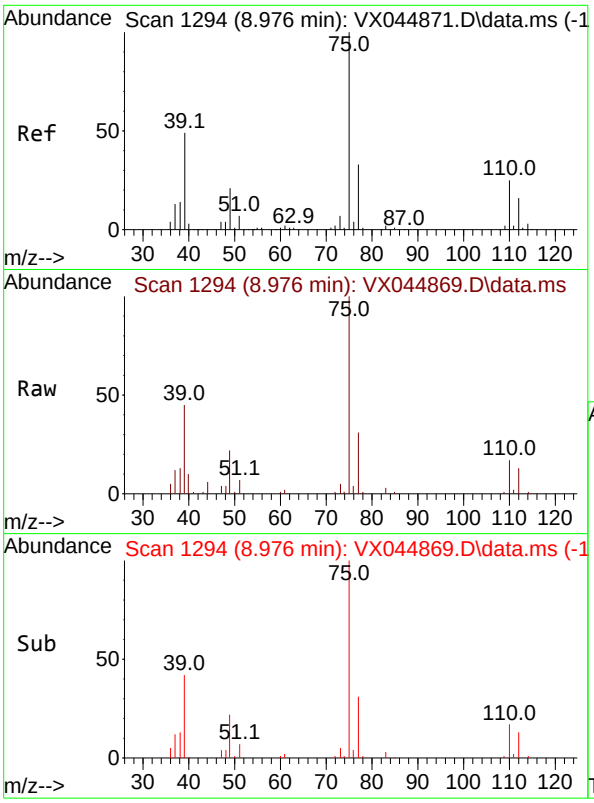


#52
Toluene
Concen: 4.999 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 92 Resp: 22090

Ion	Ratio	Lower	Upper
92	100		
91	177.1	137.4	206.2



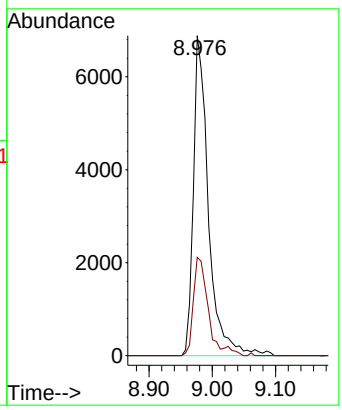


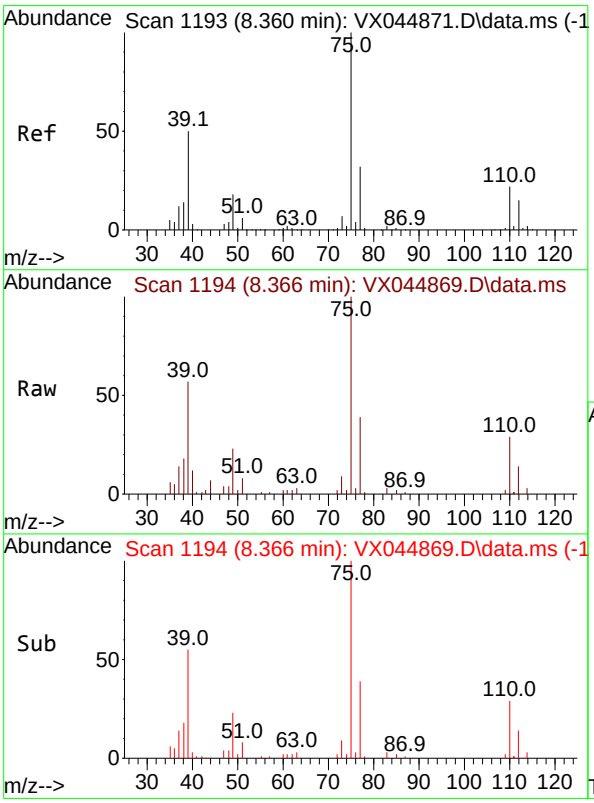
#53
t-1,3-Dichloropropene
Concen: 4.550 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 11413

Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.0	39.0

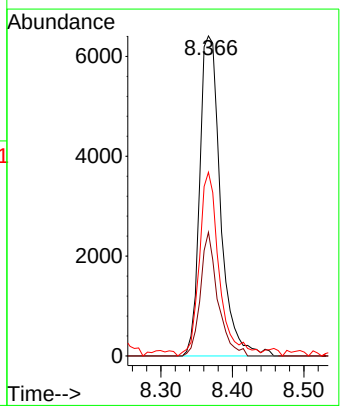


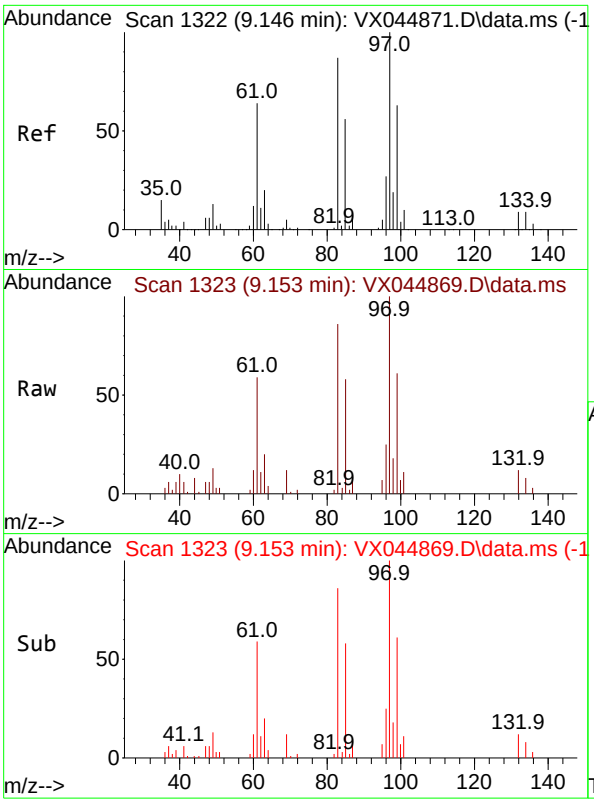


#54
cis-1,3-Dichloropropene
Concen: 4.628 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 12943

Ion	Ratio	Lower	Upper
75	100		
77	38.7	25.3	37.9#
39	57.4	40.0	60.0



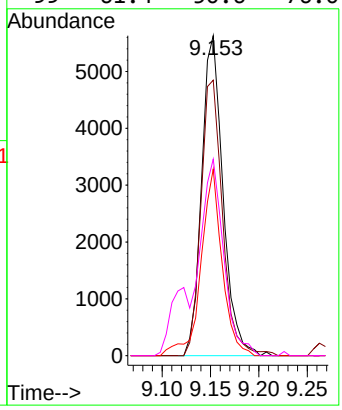


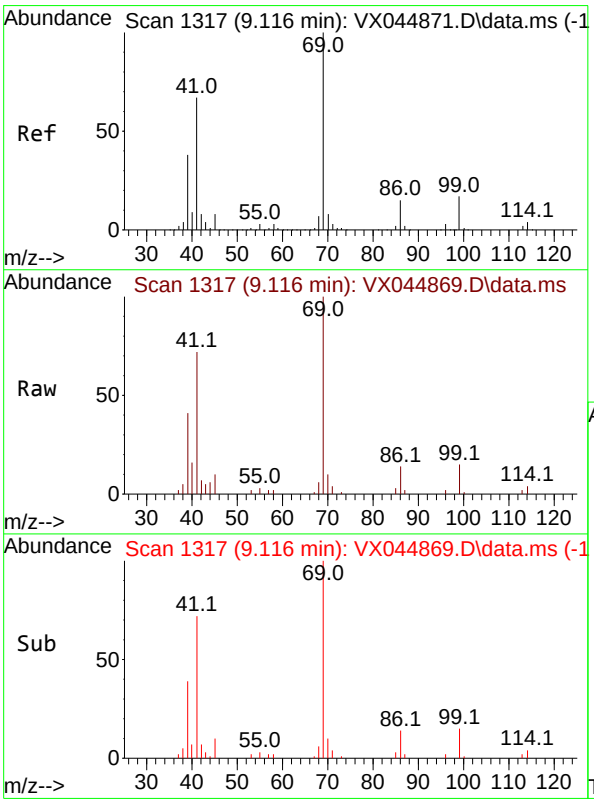
#55
1,1,2-Trichloroethane
Concen: 5.099 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 8662

Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.8	104.6
85	58.3	44.8	67.2
99	61.4	50.6	76.0

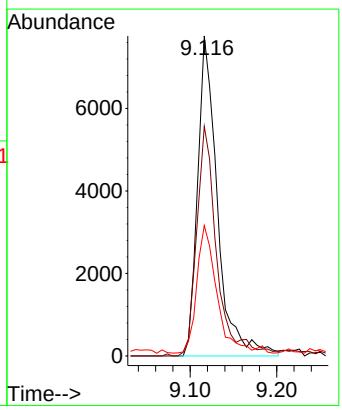


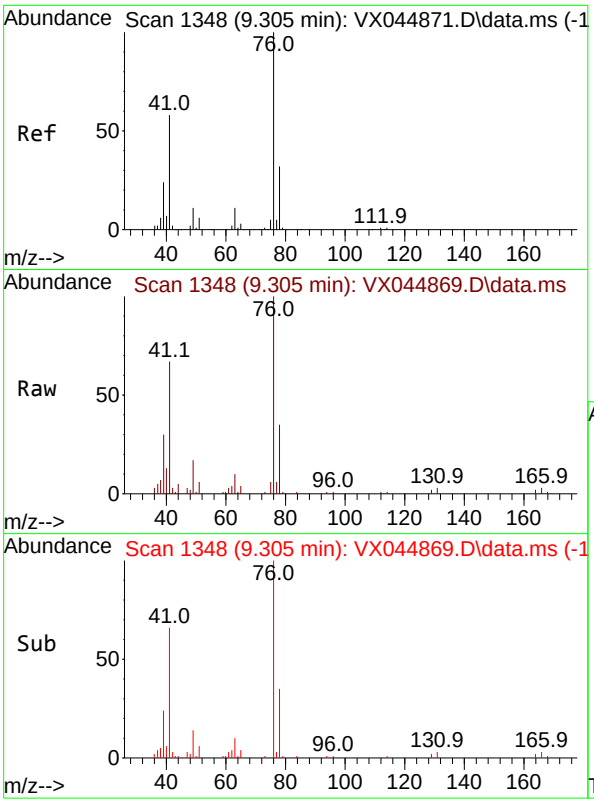


#56
Ethyl methacrylate
Concen: 4.502 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 69 Resp: 12351

Ion	Ratio	Lower	Upper
69	100		
41	73.0	55.2	82.8
39	39.5	30.8	46.2



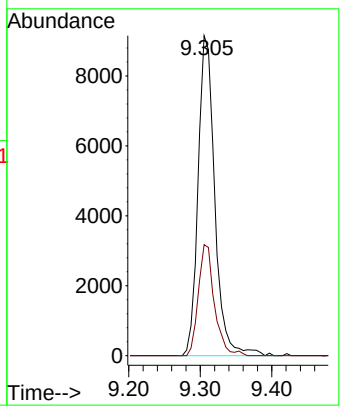


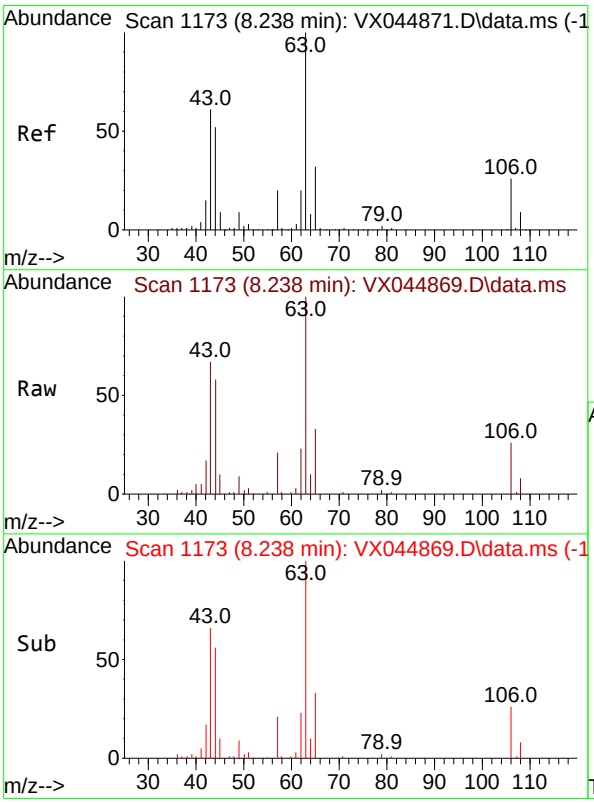
#57
1,3-Dichloropropane
Concen: 4.993 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 14839

Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.8	38.8

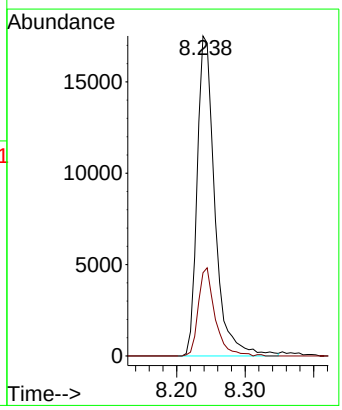


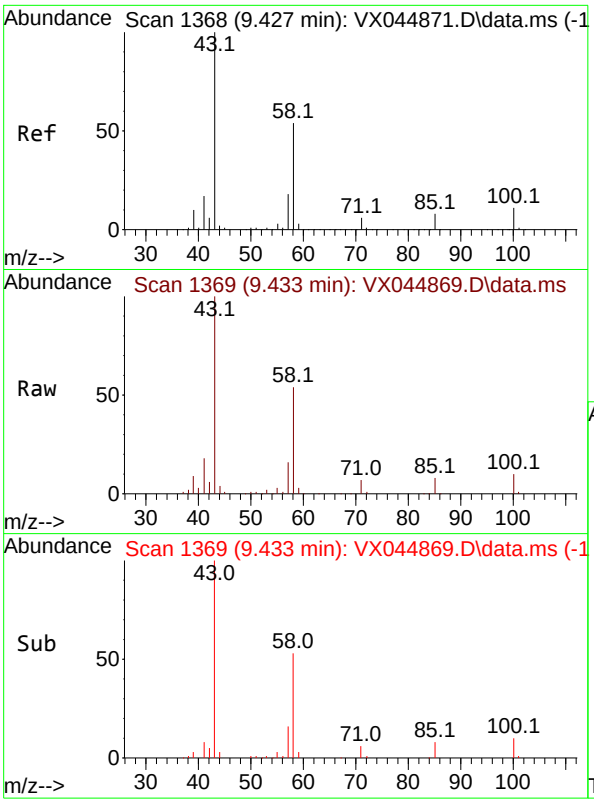


#58
2-Chloroethyl Vinyl ether
Concen: 23.382 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 31498

Ion	Ratio	Lower	Upper
63	100		
106	25.8	21.3	31.9



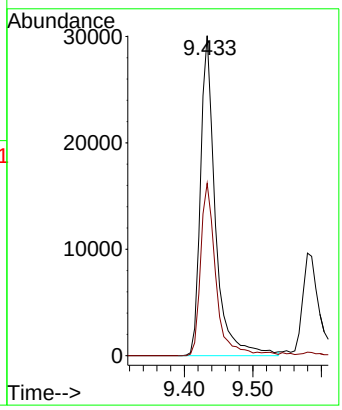


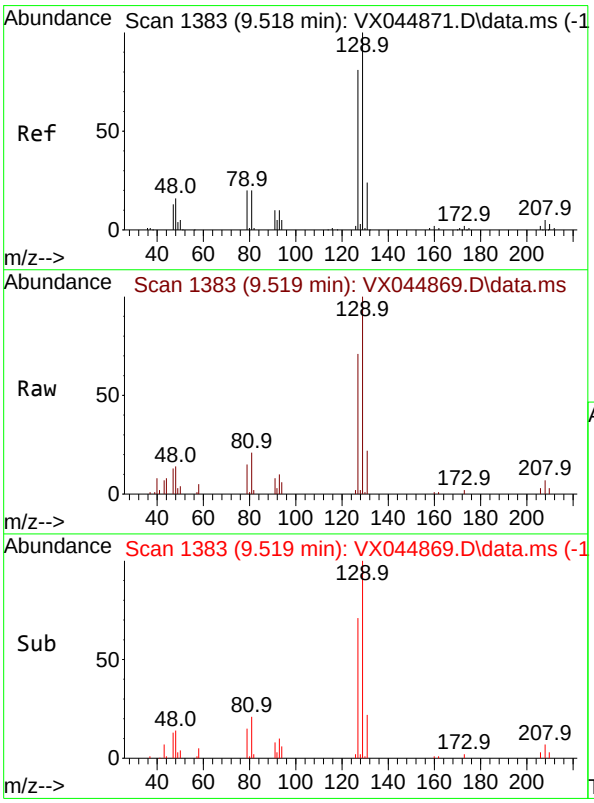
#59
2-Hexanone
Concen: 24.359 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 45538

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.5	82.4

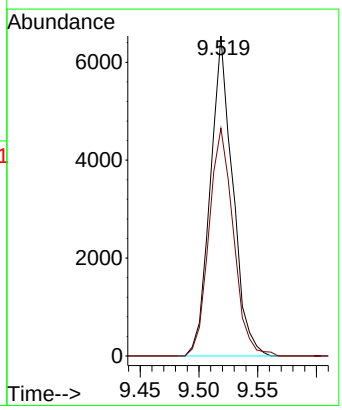


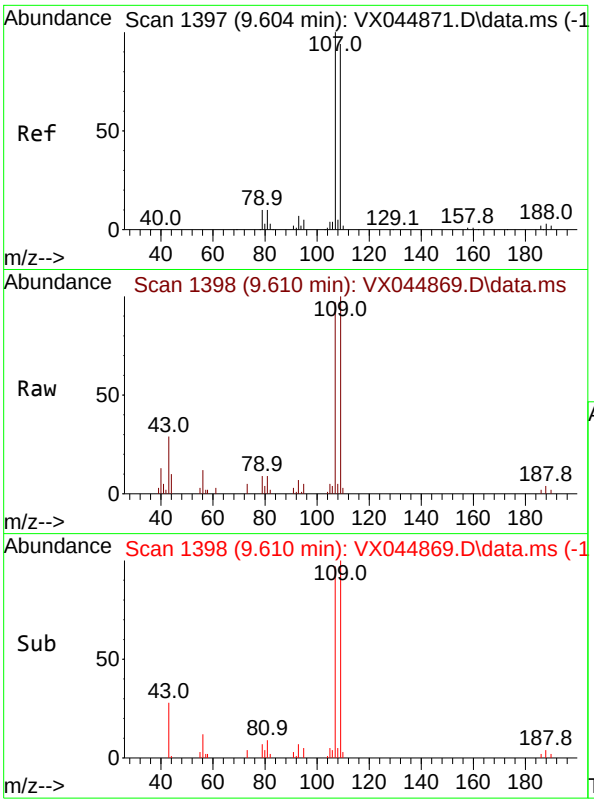


#60
Dibromochloromethane
Concen: 4.771 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:129 Resp: 8668

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.3



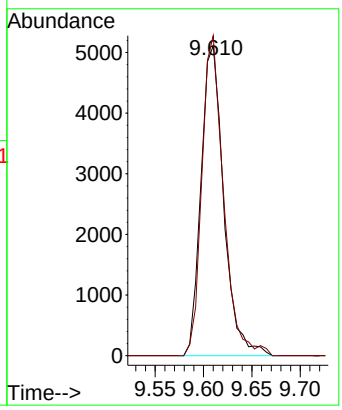


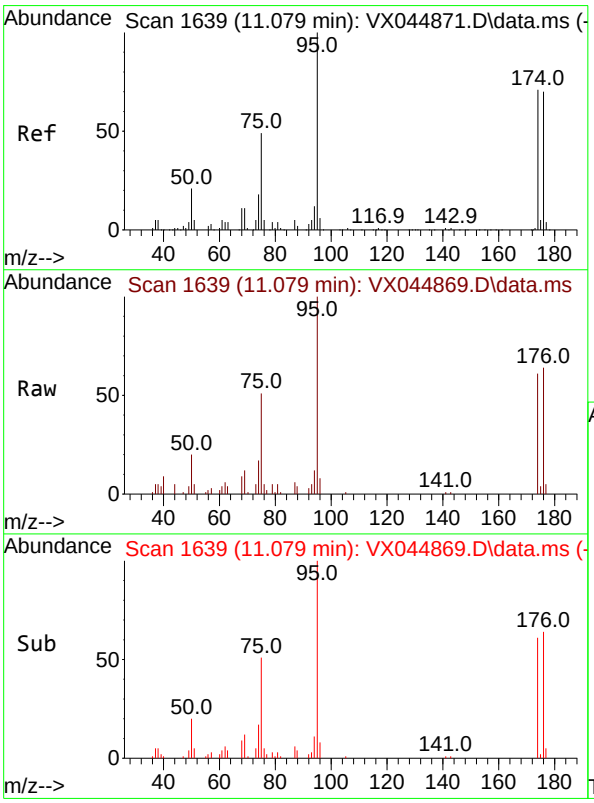
#61
1,2-Dibromoethane
Concen: 4.852 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 8353

Ion	Ratio	Lower	Upper
107	100		
109	98.8	75.9	113.9

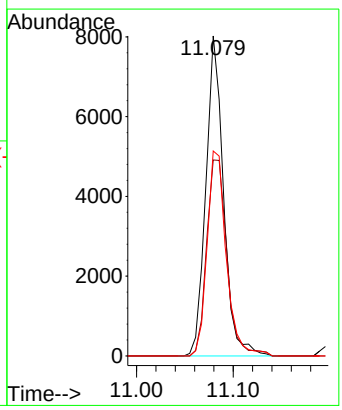


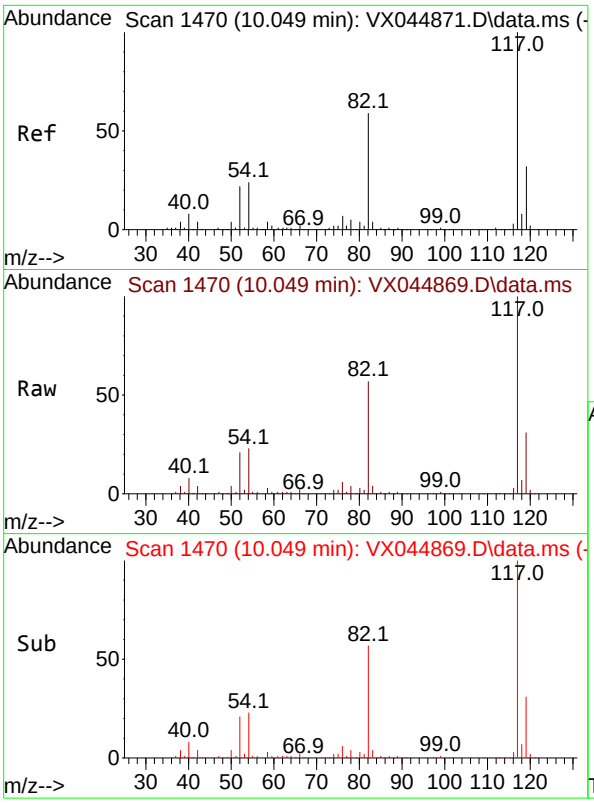


#62
4-Bromofluorobenzene
Concen: 4.872 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 95 Resp: 10229

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	142.6
176	69.3	0.0	141.6



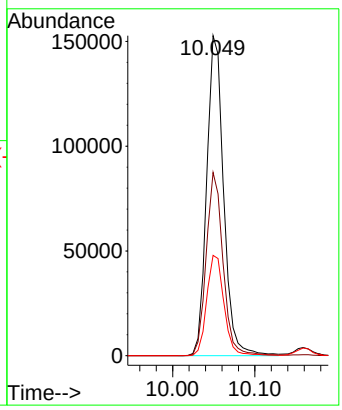


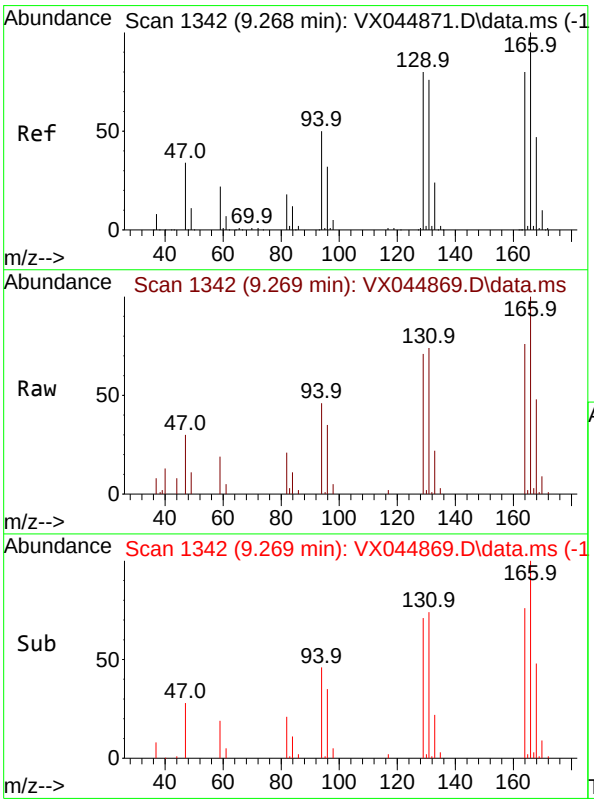
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 218625

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.5	71.3
119	31.4	25.4	38.0

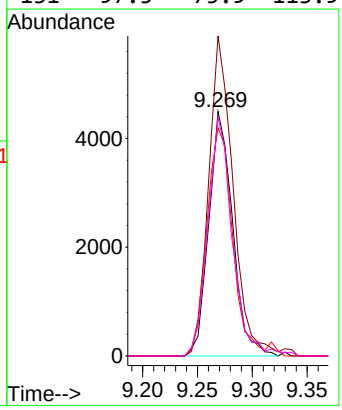


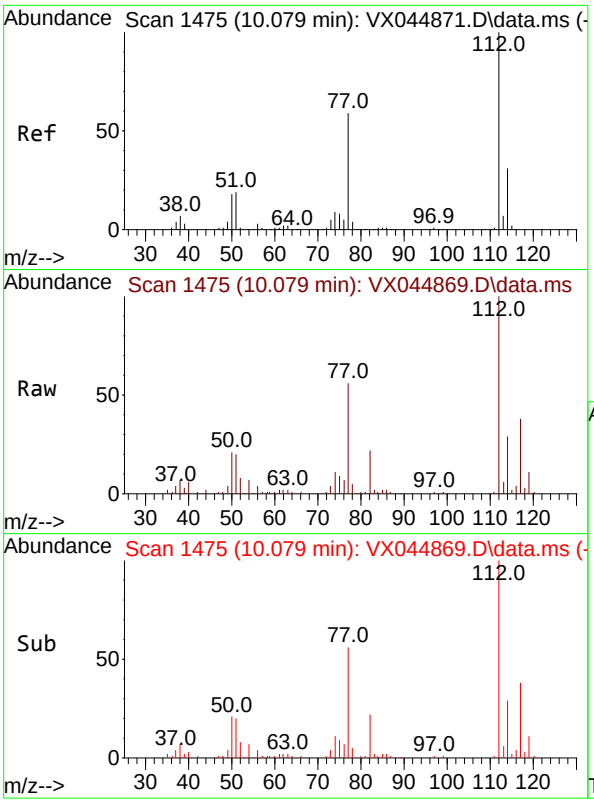


#64
Tetrachloroethene
Concen: 4.934 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:164 Resp: 6803

Ion	Ratio	Lower	Upper
164	100		
166	130.9	100.4	150.6
129	93.4	79.9	119.9
131	97.5	75.9	113.9



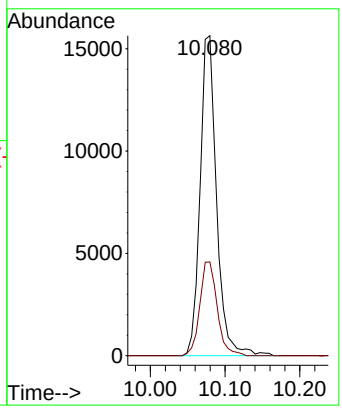


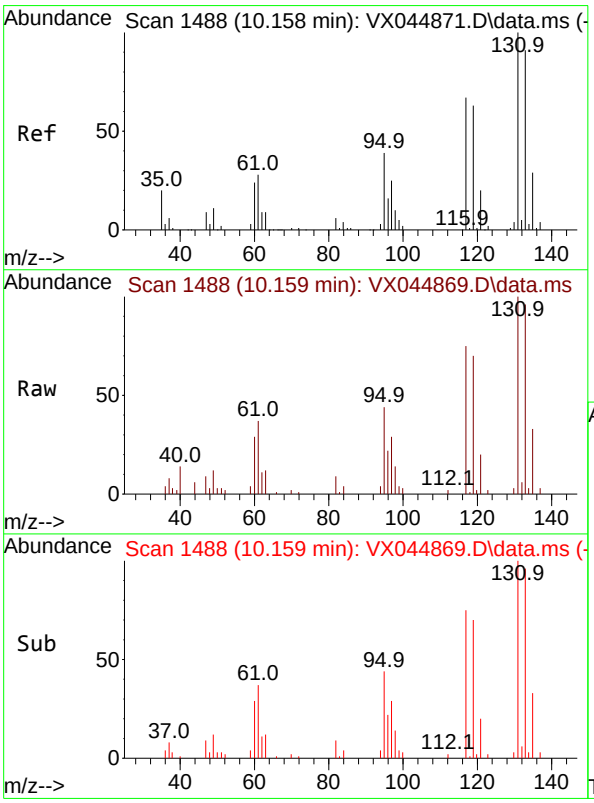
#65
Chlorobenzene
Concen: 5.090 ug/l
RT: 10.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 23903

Ion	Ratio	Lower	Upper
112	100		
114	29.3	25.0	37.6

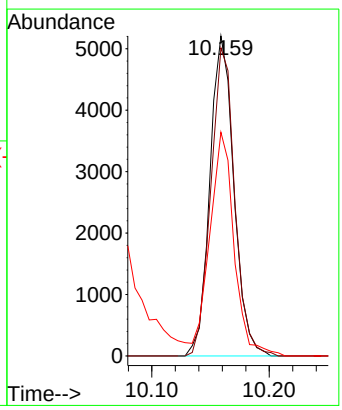


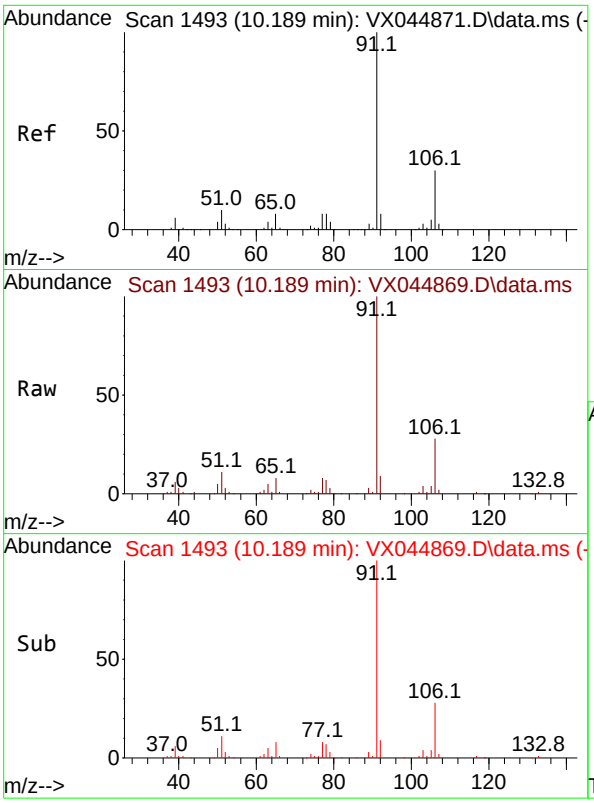


#66
1,1,1,2-Tetrachloroethane
Concen: 4.883 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:131 Resp: 7380

Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.1	141.3
119	70.5	33.6	100.6



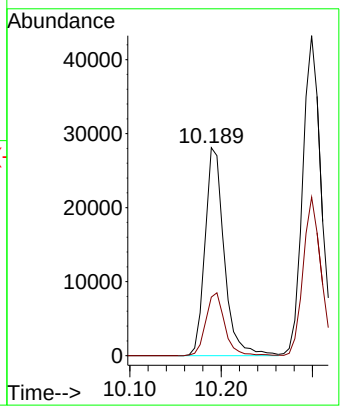


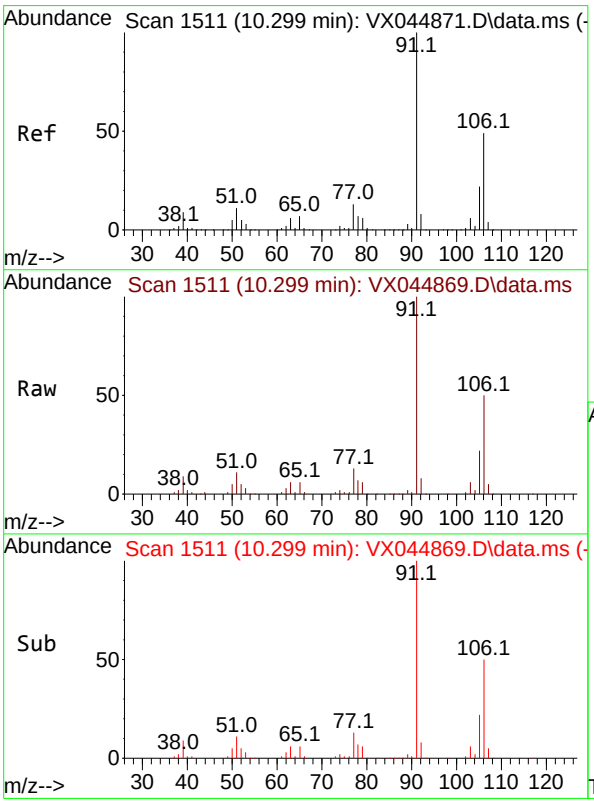
#67
Ethyl Benzene
Concen: 4.941 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 40945

Ion	Ratio	Lower	Upper
91	100		
106	28.1	23.9	35.9

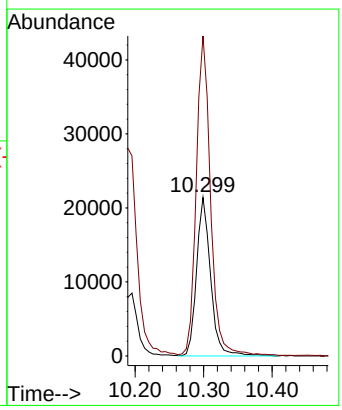


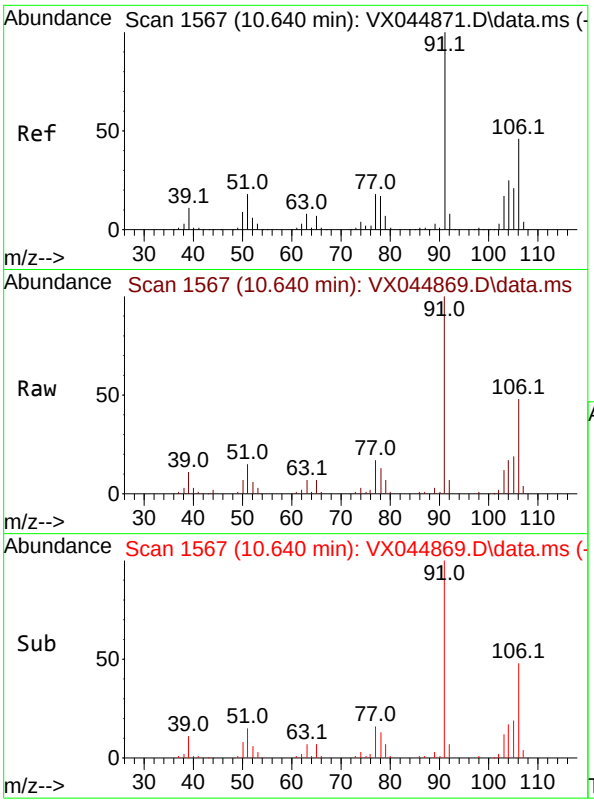


#68
m/p-Xylenes
Concen: 10.019 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:106 Resp: 30627

Ion	Ratio	Lower	Upper
106	100		
91	204.6	164.3	246.5



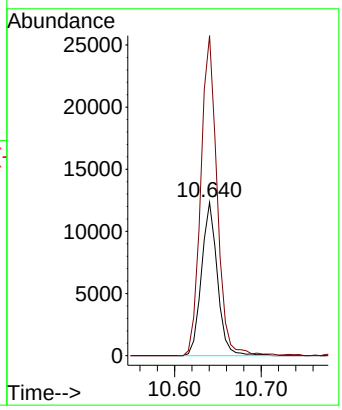


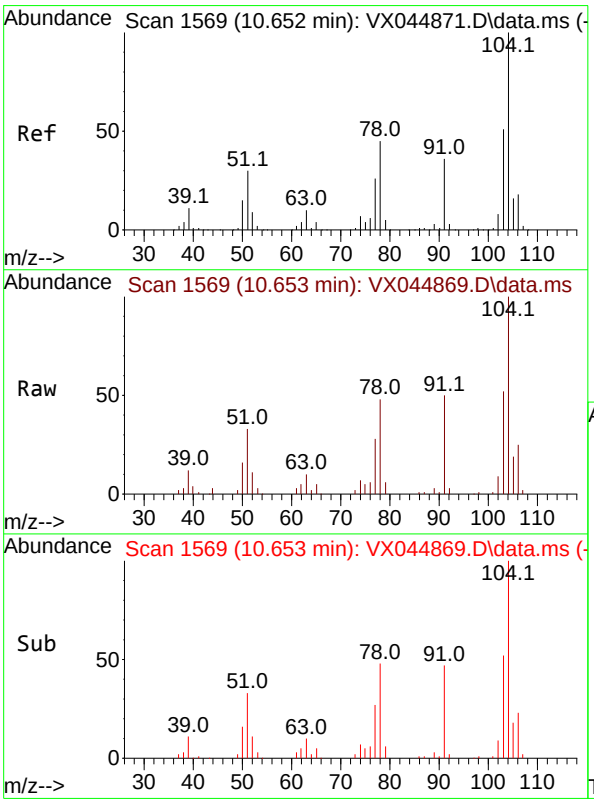
#69
o-Xylene
Concen: 5.139 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 15761

Ion	Ratio	Lower	Upper
106	100		
91	213.9	108.5	325.5

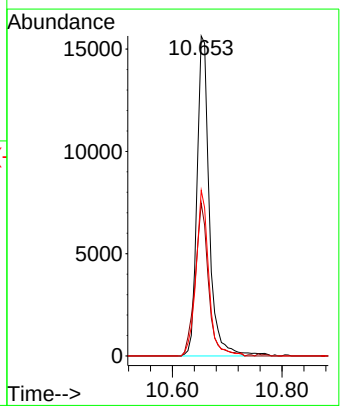


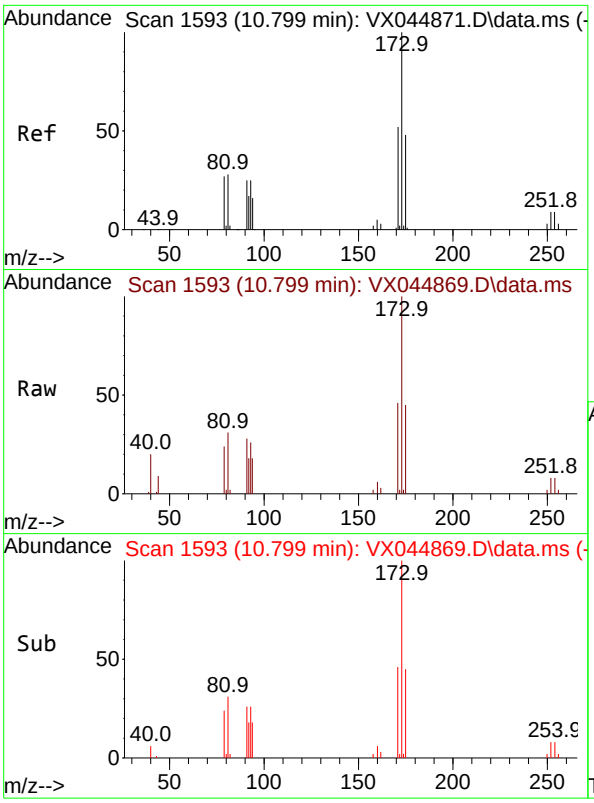


#70
Styrene
Concen: 4.973 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:104 Resp: 24576

Ion	Ratio	Lower	Upper
104	100		
78	51.3	40.5	60.7
103	53.4	43.6	65.4



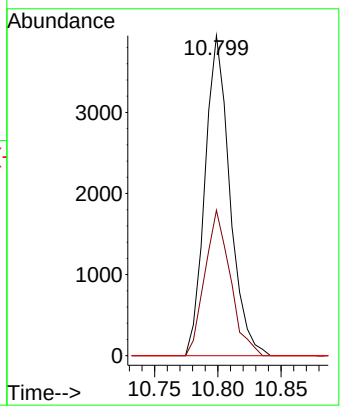


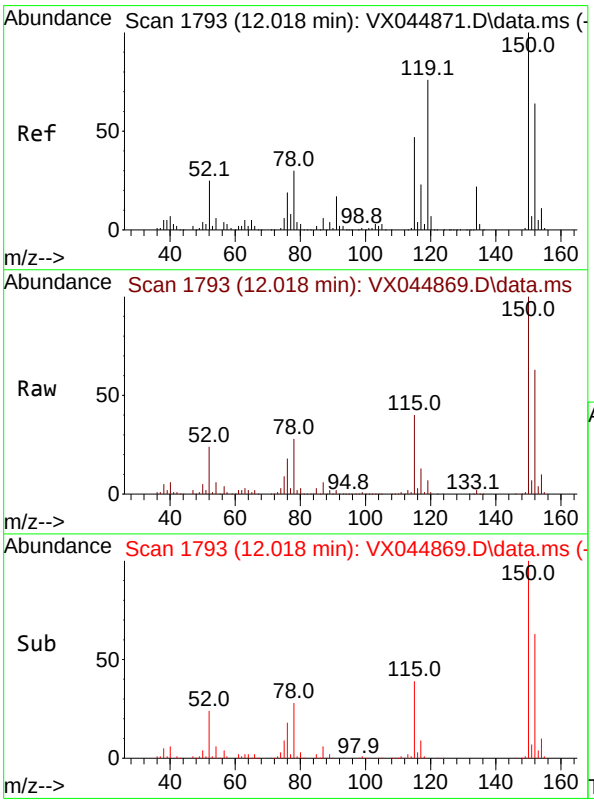
#71
Bromoform
Concen: 4.779 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 5391

Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.3	72.8
254	0.0	0.0	0.0

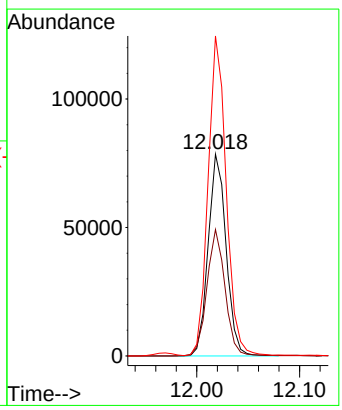


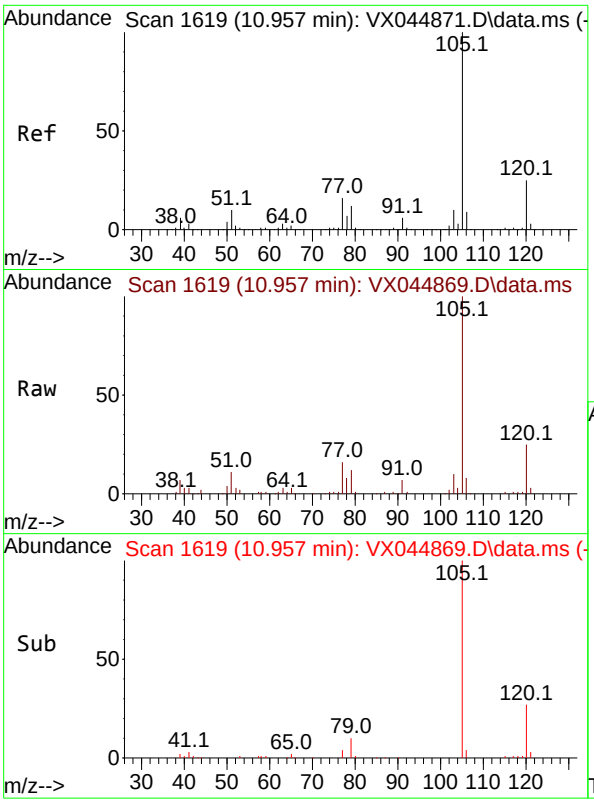


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:152 Resp: 95494

Ion	Ratio	Lower	Upper
152	100		
115	63.3	43.4	130.1
150	159.0	0.0	350.4



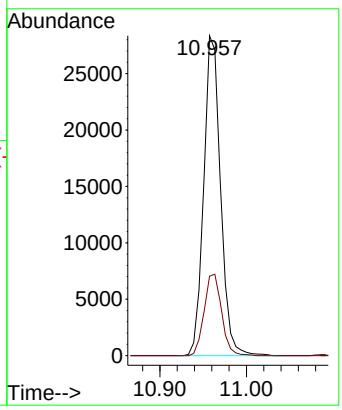


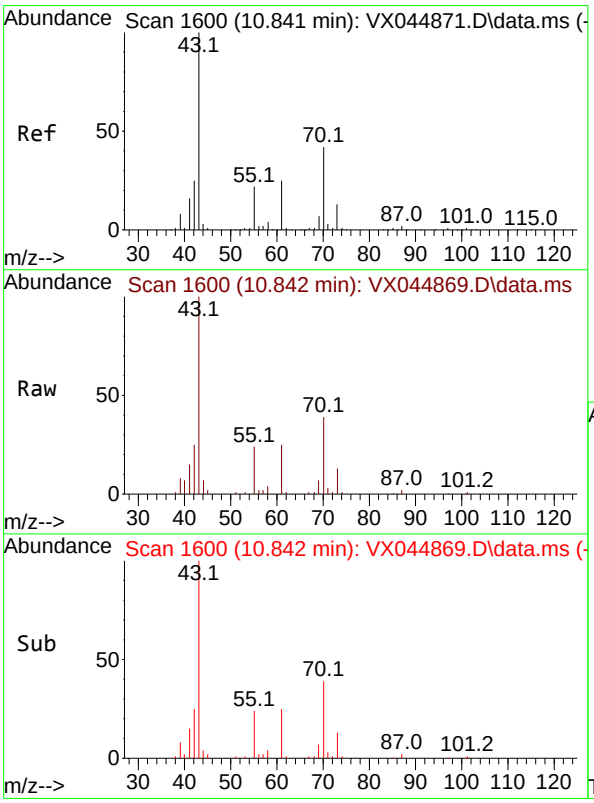
#73
Isopropylbenzene
Concen: 4.983 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 38315

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5

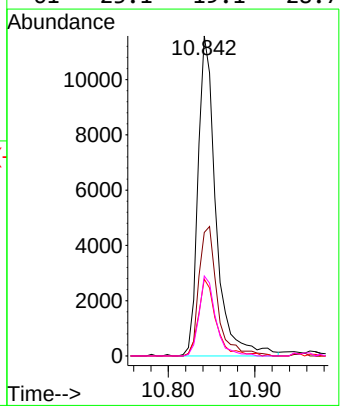


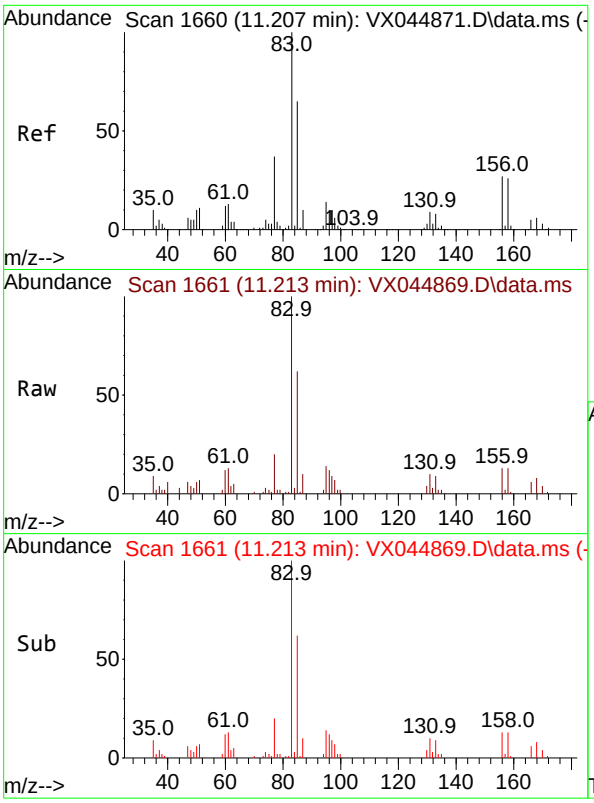


#74
N-amyl acetate
Concen: 4.786 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 16653

Ion	Ratio	Lower	Upper
43	100		
70	41.5	33.7	50.5
55	23.5	18.6	27.8
61	23.1	19.1	28.7



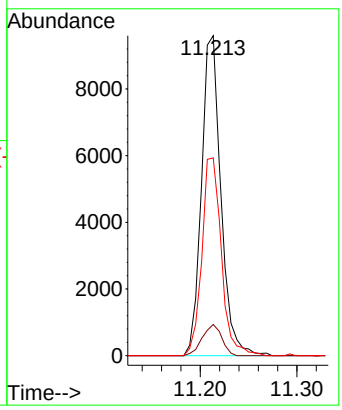


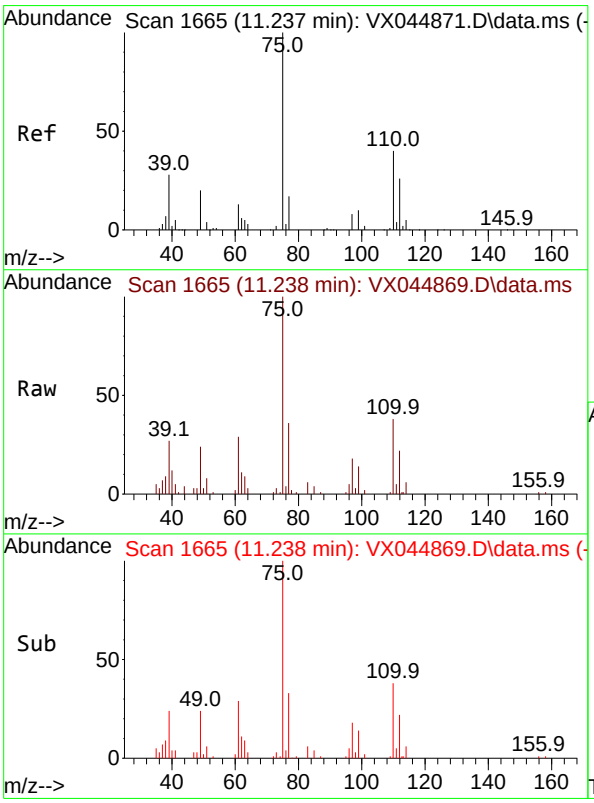
#75
1,1,2,2-Tetrachloroethane
Concen: 5.069 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13394

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.5
85	62.1	32.3	96.8

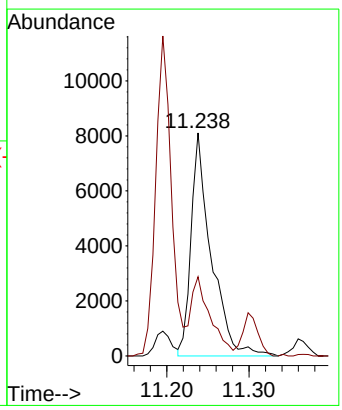


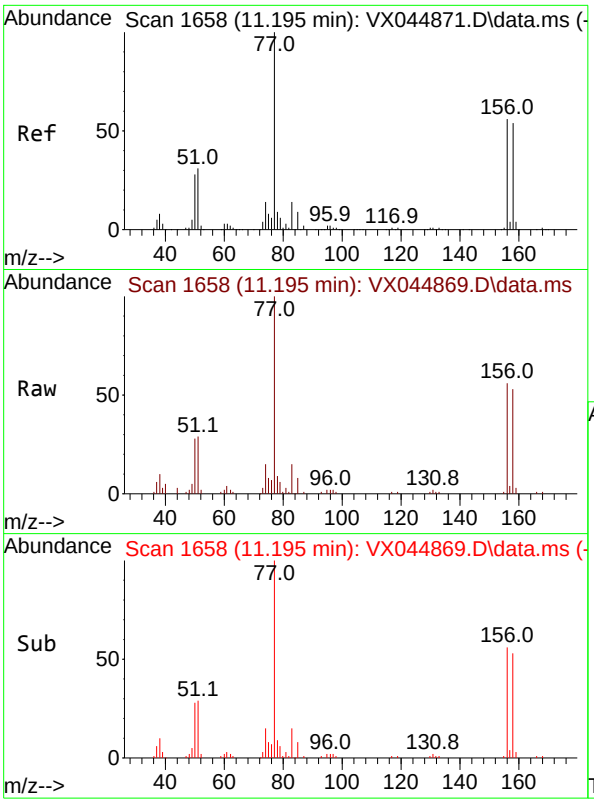


#76
1,2,3-Trichloropropane
Concen: 6.498 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 13757

Ion	Ratio	Lower	Upper
75	100		
77	35.3	21.9	65.7



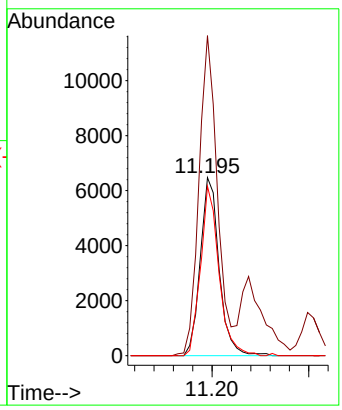


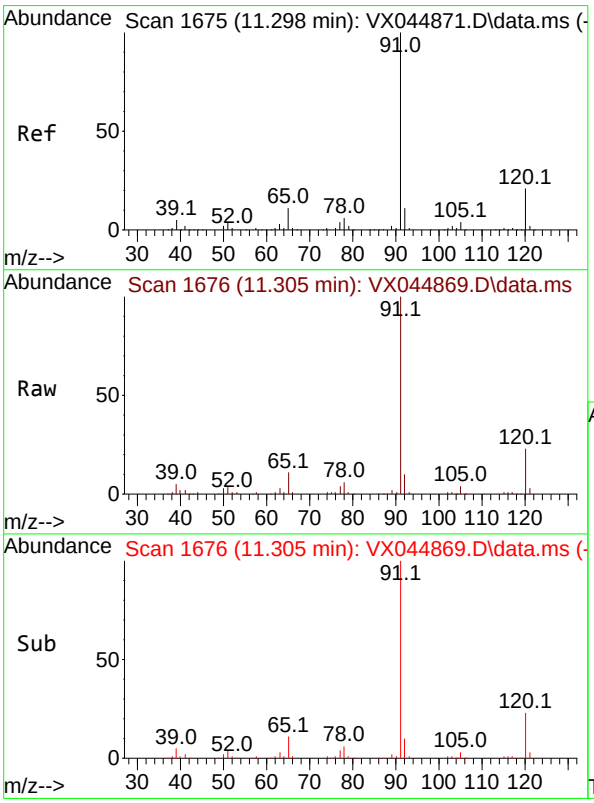
#77
Bromobenzene
Concen: 5.042 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 8789

Ion	Ratio	Lower	Upper
156	100		
77	174.1	88.4	265.3
158	92.9	48.4	145.2

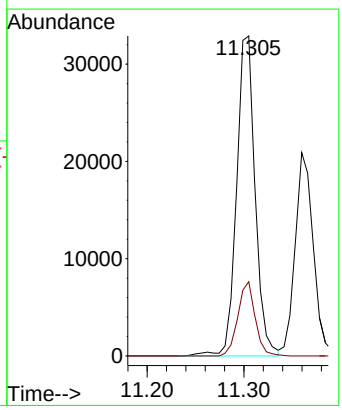


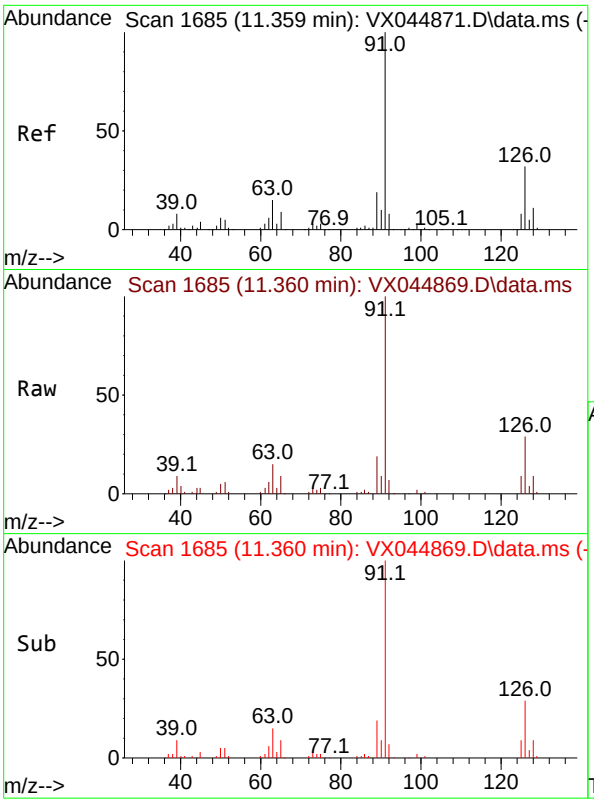


#78
n-propylbenzene
Concen: 4.949 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 43923

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.1	33.3



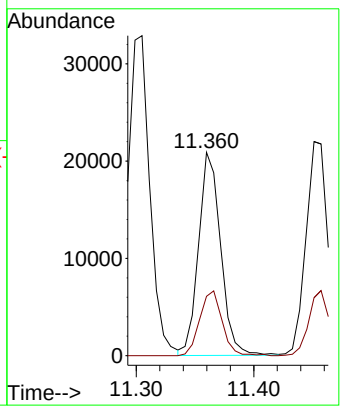


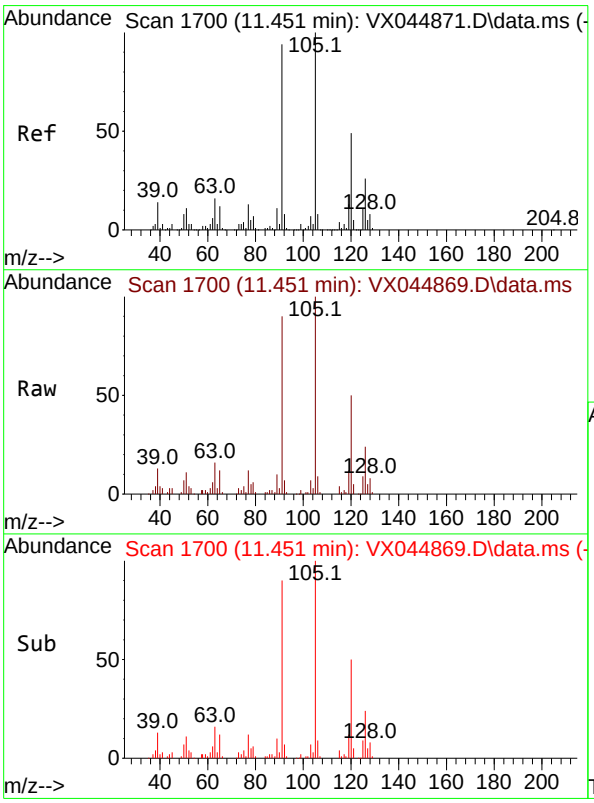
#79
2-Chlorotoluene
Concen: 5.007 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 27311

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6

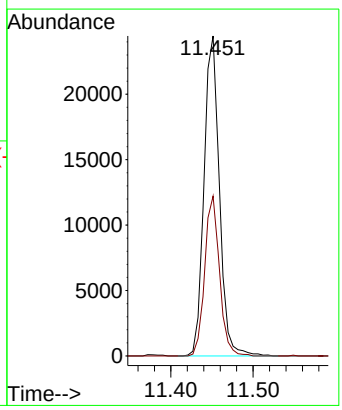


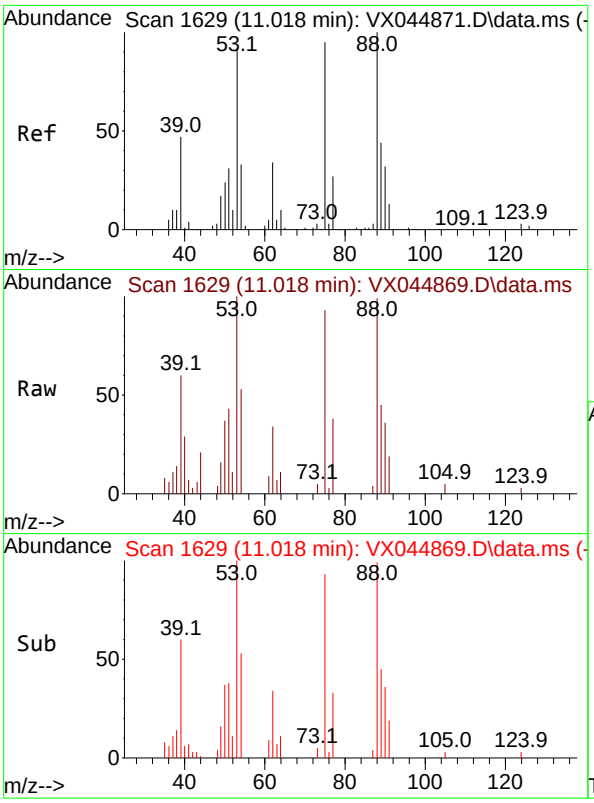


#80
1,3,5-Trimethylbenzene
Concen: 5.090 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:105 Resp: 31761

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.0	72.0



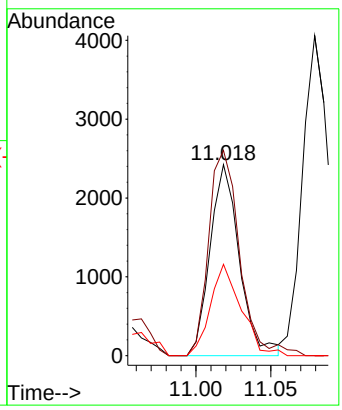


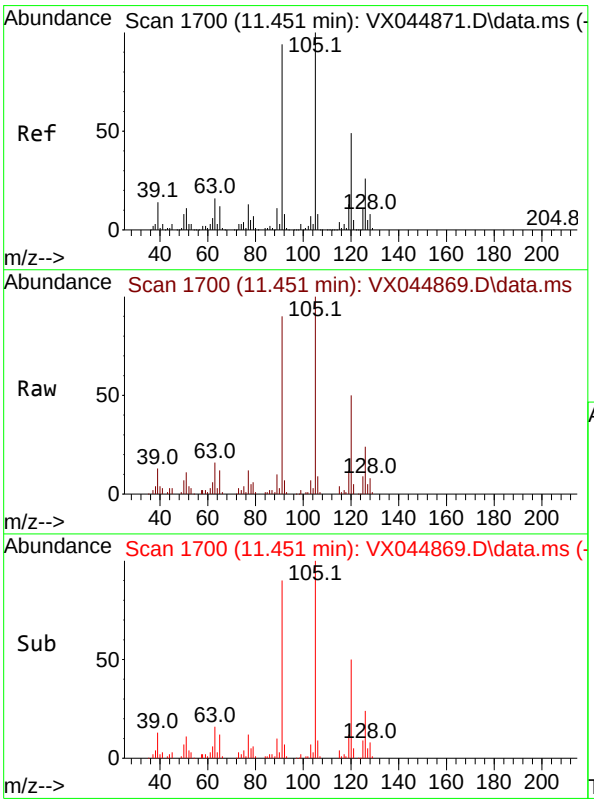
#81
trans-1,4-Dichloro-2-butene
Concen: 4.013 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 3303

Ion	Ratio	Lower	Upper
75	100		
53	113.7	78.0	117.0
89	50.2	36.6	54.8

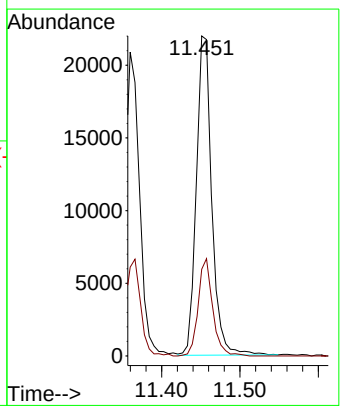


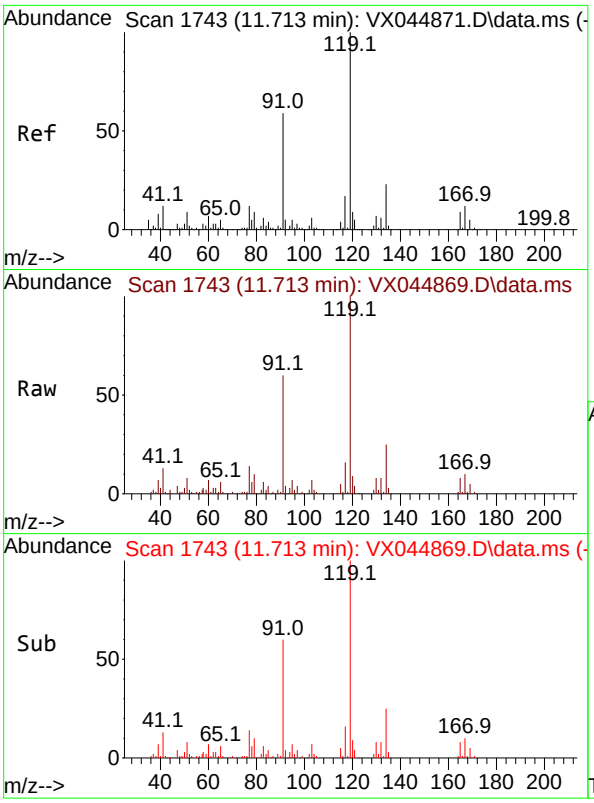


#82
4-Chlorotoluene
Concen: 4.994 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 30138

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6



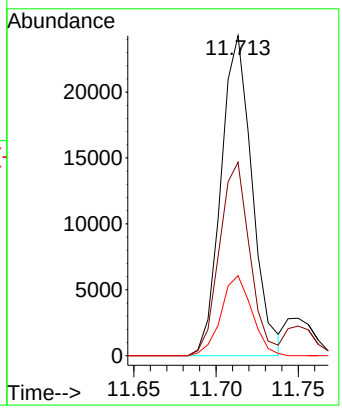


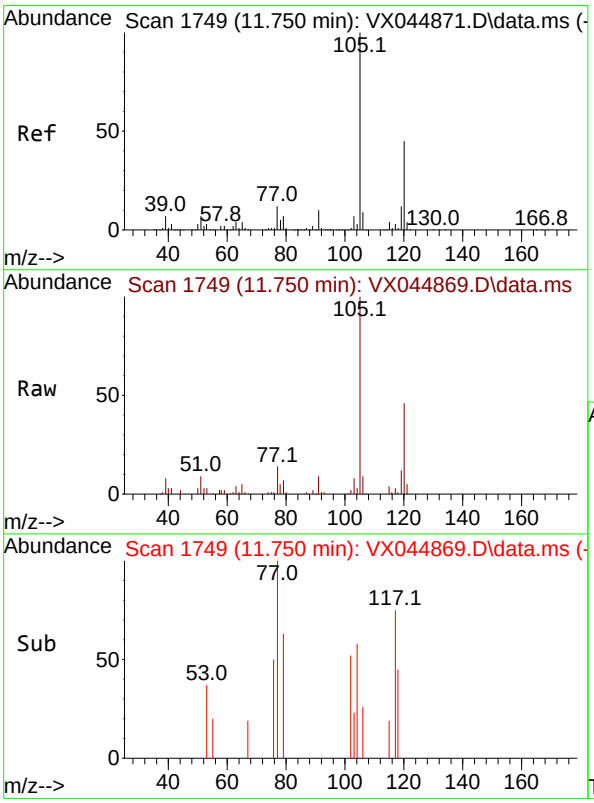
#83
tert-Butylbenzene
Concen: 5.068 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 31992

Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.1	87.4
134	24.7	11.5	34.5

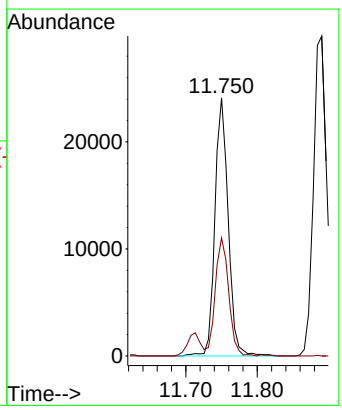


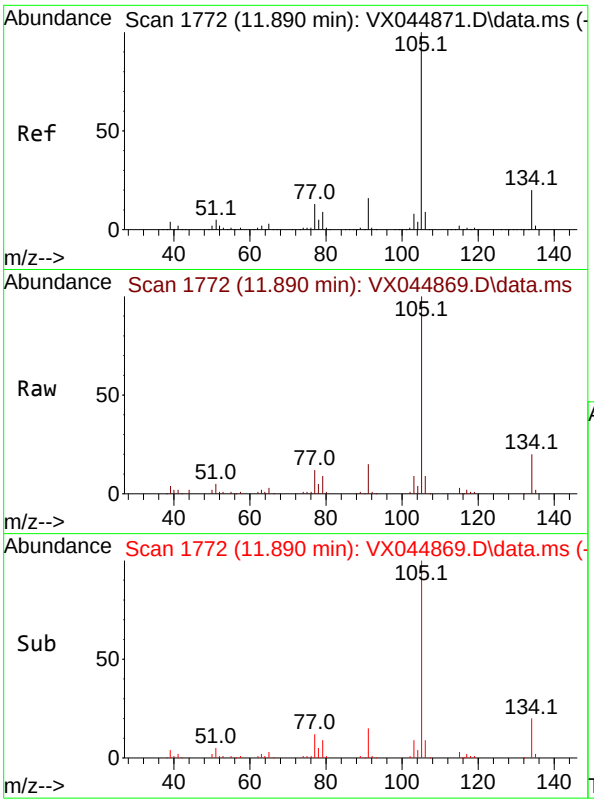


#84
1,2,4-Trimethylbenzene
Concen: 5.042 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:105 Resp: 31053

Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.4	67.0



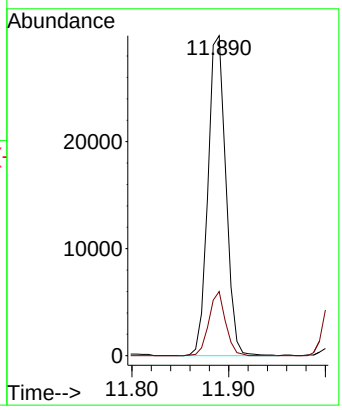


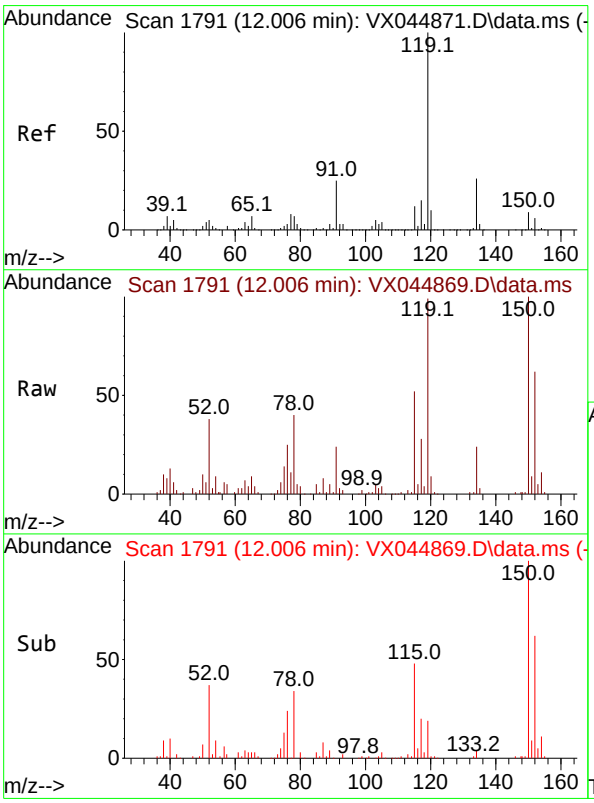
#85
sec-Butylbenzene
Concen: 4.917 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 38437

Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.8	29.3

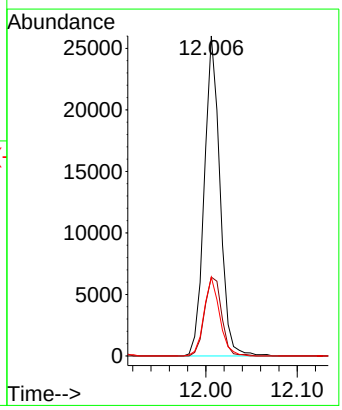


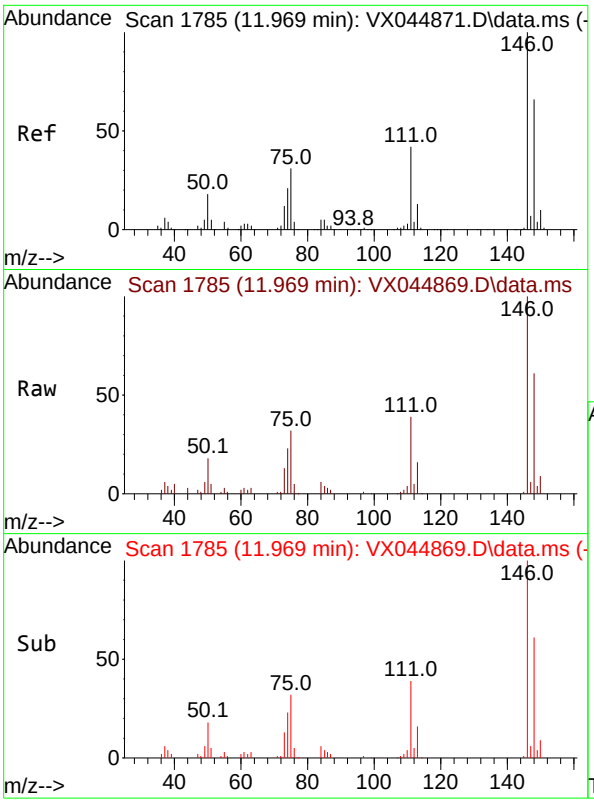


#86
p-Isopropyltoluene
Concen: 4.905 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:119 Resp: 30835

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.0	38.9
91	24.6	12.1	36.3



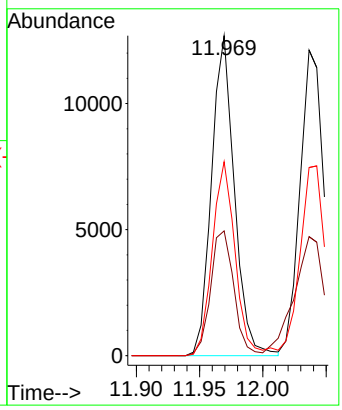


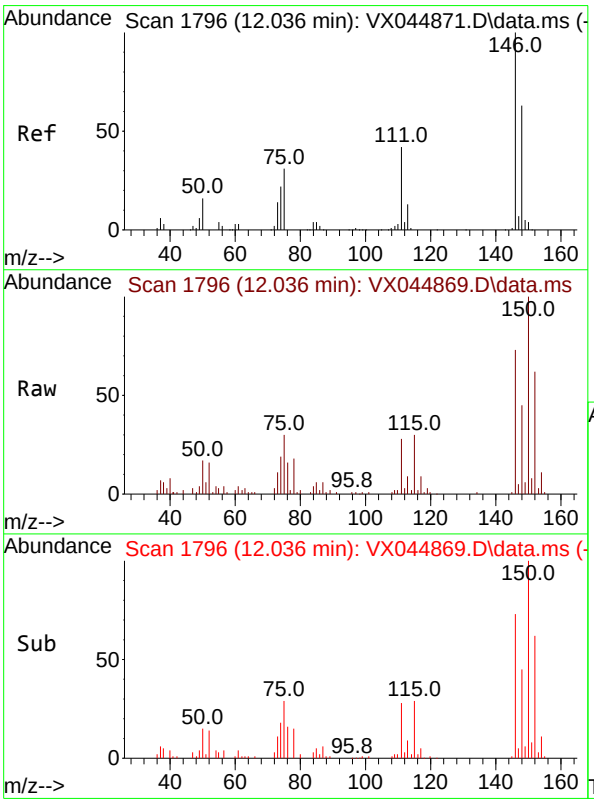
#87
1,3-Dichlorobenzene
Concen: 4.971 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 15935

Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.2	63.6
148	60.0	32.5	97.5

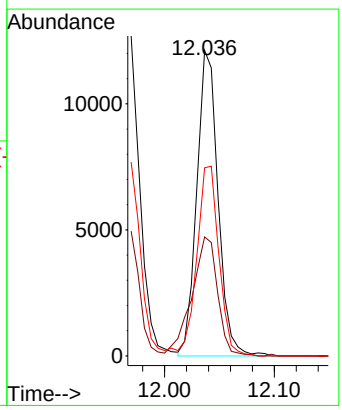


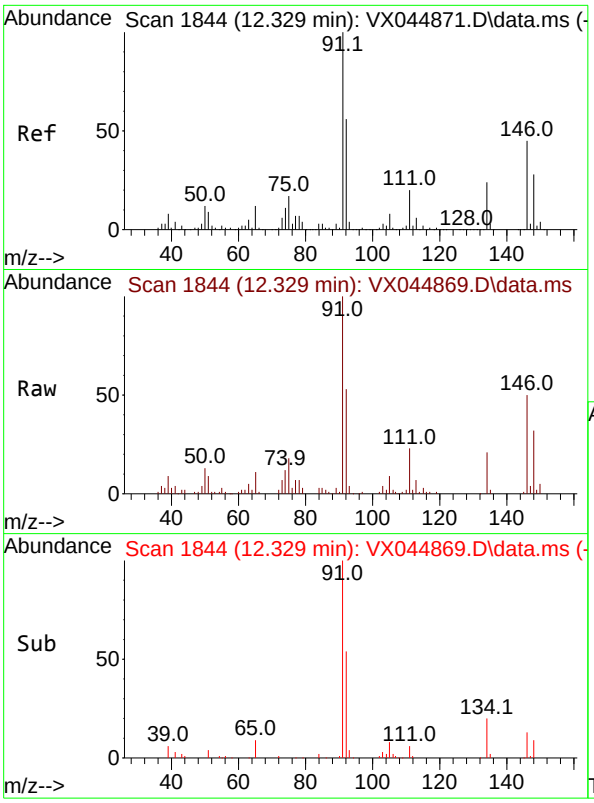


#88
1,4-Dichlorobenzene
Concen: 5.043 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:146 Resp: 16347

Ion	Ratio	Lower	Upper
146	100		
111	47.4	20.4	61.3
148	65.3	32.0	96.0



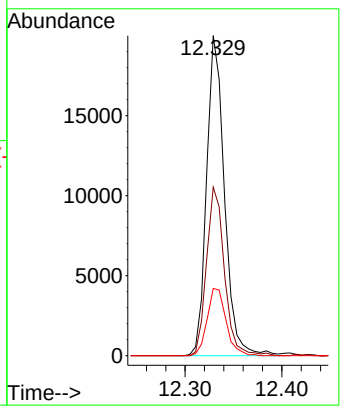


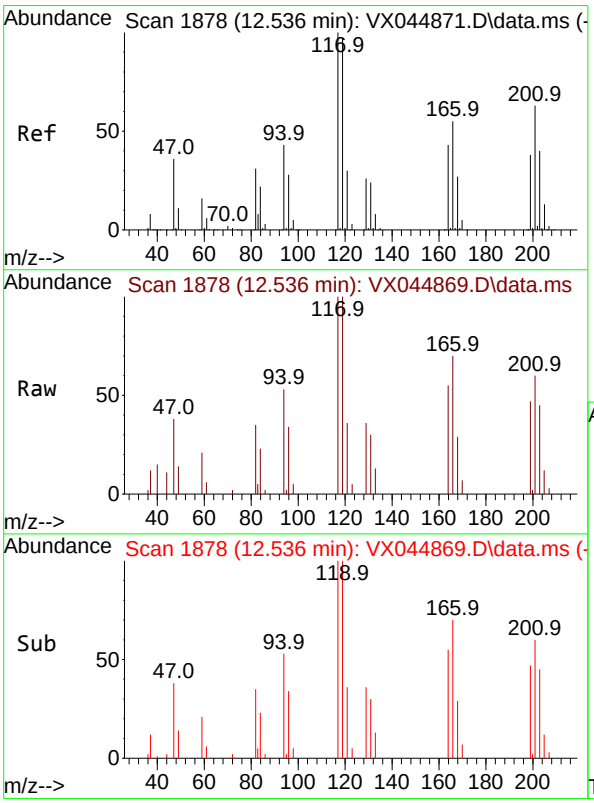
#89
n-Butylbenzene
Concen: 4.630 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 25747

Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.2	81.6
134	22.3	12.1	36.3

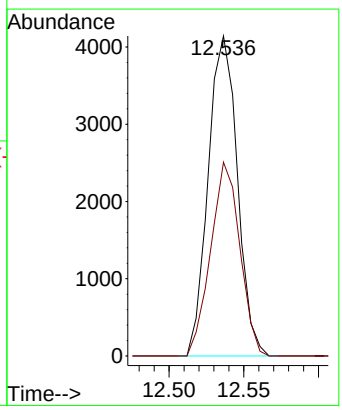


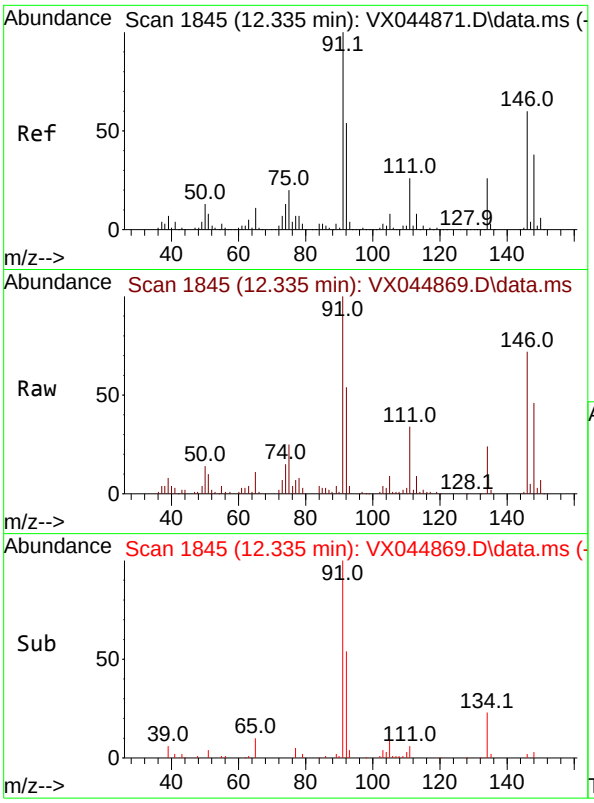


#90
Hexachloroethane
Concen: 4.775 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:117 Resp: 5620

Ion	Ratio	Lower	Upper
117	100		
201	60.6	32.5	97.5



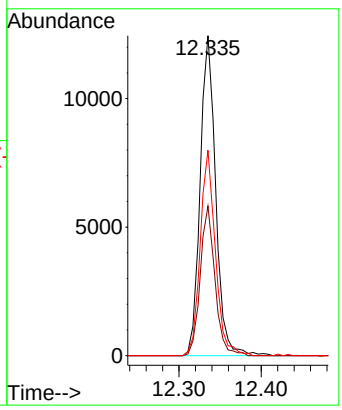


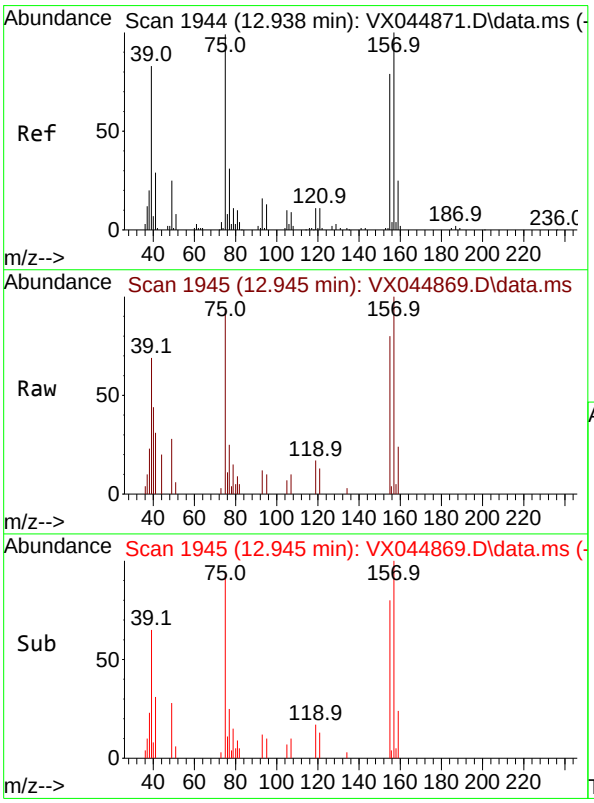
#91
1,2-Dichlorobenzene
Concen: 5.193 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 16362

Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.8	65.4
148	62.7	31.9	95.9

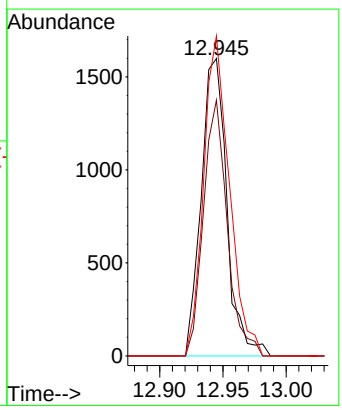


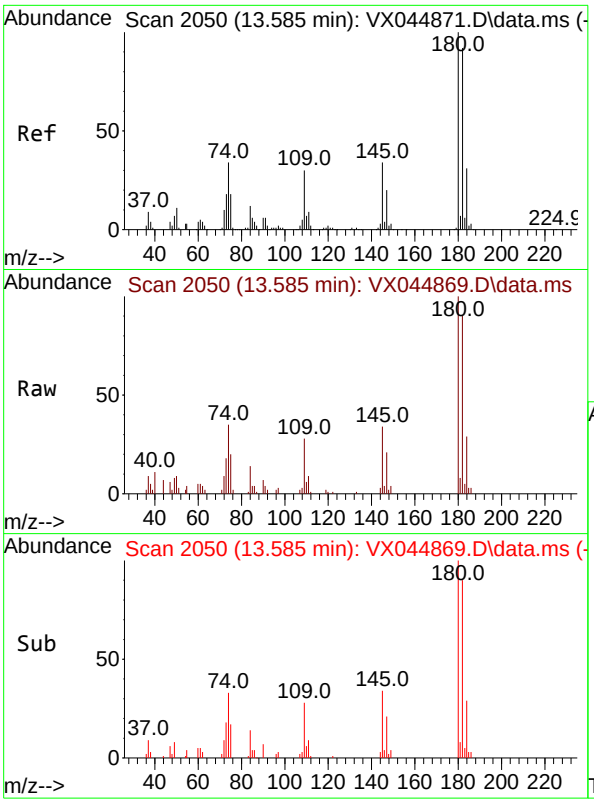


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.674 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 2254

Ion	Ratio	Lower	Upper
75	100		
155	80.0	40.5	121.4
157	108.1	51.4	154.3



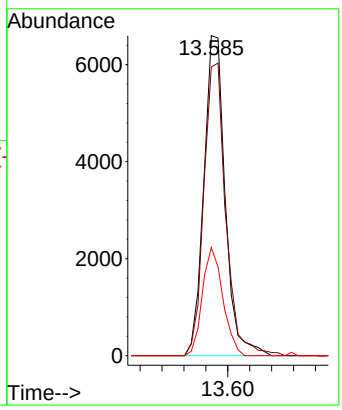


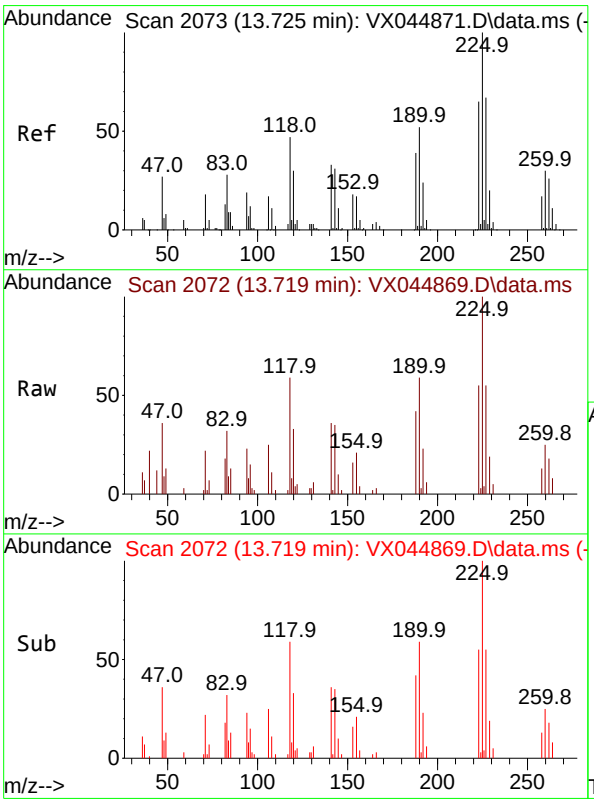
#93
1,2,4-Trichlorobenzene
Concen: 4.680 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 8923

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.6	142.8
145	32.3	16.4	49.1

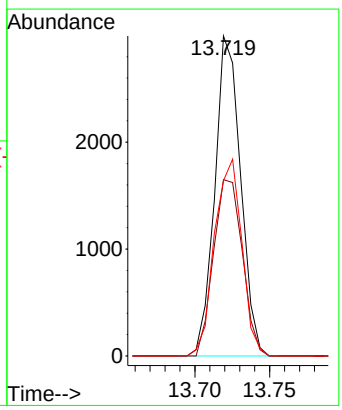


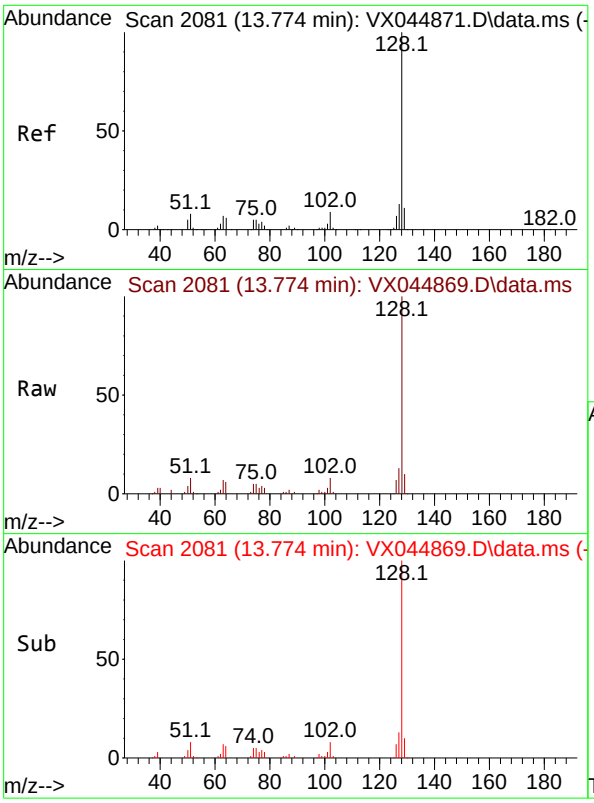


#94
Hexachlorobutadiene
Concen: 4.750 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:225 Resp: 3595

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.2
227	65.1	32.3	96.8



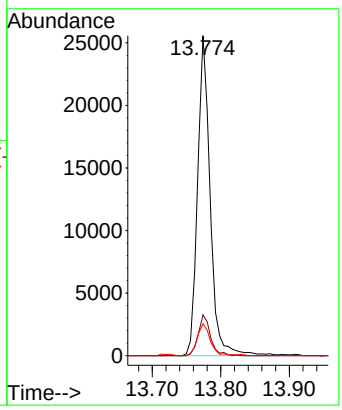


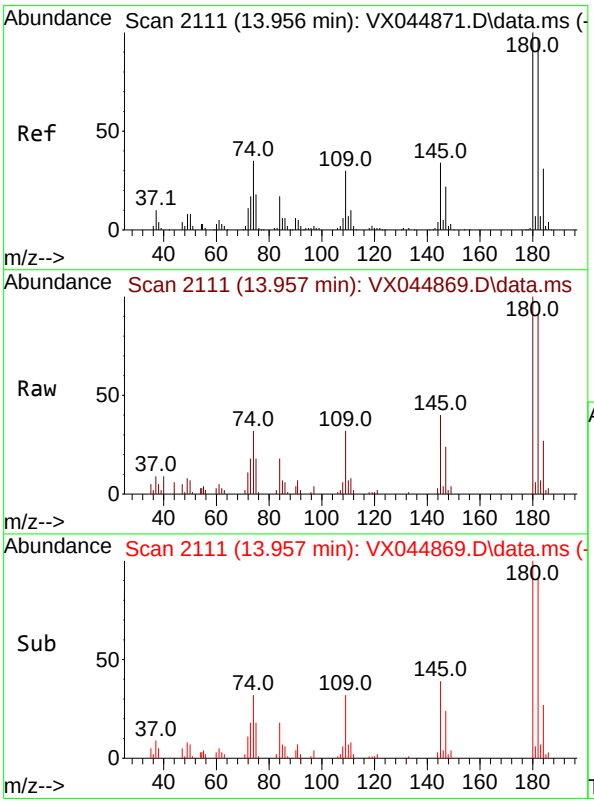
#95
Naphthalene
Concen: 4.756 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 32776

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.3	8.9	13.3

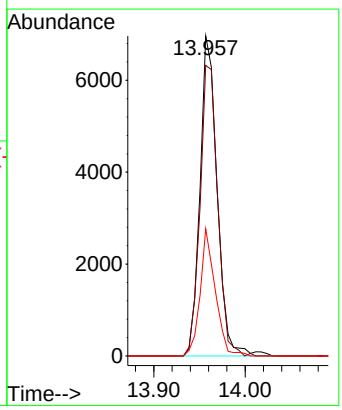




#96
1,2,3-Trichlorobenzene
Concen: 4.733 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:180 Resp: 9093

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.6
145	35.0	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	207667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	37195	19.616	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 39.240%#			
35) Dibromofluoromethane	5.379	113	30170	19.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 39.580%#			
50) Toluene-d8	8.647	98	117127	20.321	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 40.640%#			
62) 4-Bromofluorobenzene	11.079	95	38475	19.800	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 39.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	37123	20.434	ug/l	98
3) Chloromethane	1.301	50	44666	20.200	ug/l	95
4) Vinyl Chloride	1.374	62	43901	20.494	ug/l	99
5) Bromomethane	1.593	94	13057	20.369	ug/l	99
6) Chloroethane	1.660	64	14523	16.522	ug/l	94
7) Trichlorofluoromethane	1.868	101	56805	20.969	ug/l	98
8) Diethyl Ether	2.130	74	20699	21.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34593	21.135	ug/l	99
10) Methyl Iodide	2.441	142	44749	21.096	ug/l	99
11) Tert butyl alcohol	2.989	59	35834	101.870	ug/l	100
12) 1,1-Dichloroethene	2.307	96	34270	20.526	ug/l	99
13) Acrolein	2.233	56	33914	93.445	ug/l	99
14) Allyl chloride	2.654	41	61485	20.377	ug/l	98
15) Acrylonitrile	3.063	53	98518	104.896	ug/l	98
16) Acetone	2.380	43	77078	101.119	ug/l	98
17) Carbon Disulfide	2.502	76	92552	20.216	ug/l	99
18) Methyl Acetate	2.703	43	47970	19.943	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	110377	20.779	ug/l	98
20) Methylene Chloride	2.782	84	38390	20.562	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	34064	20.730	ug/l	92
22) Diisopropyl ether	3.757	45	120300	21.074	ug/l	93
23) Vinyl Acetate	3.715	43	490239	105.341	ug/l	99
24) 1,1-Dichloroethane	3.599	63	66942	20.958	ug/l	99
25) 2-Butanone	4.556	43	130481	105.417	ug/l	96
26) 2,2-Dichloropropane	4.471	77	51803	20.451	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42096	21.328	ug/l	97
28) Bromochloromethane	4.885	49	31474	20.504	ug/l	99
29) Tetrahydrofuran	5.001	42	86875	105.700	ug/l	99
30) Chloroform	5.087	83	65721	21.217	ug/l	98
31) Cyclohexane	5.458	56	60814	20.653	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54450	20.724	ug/l	100
36) 1,1-Dichloropropene	5.684	75	45991	20.913	ug/l	99
37) Ethyl Acetate	4.715	43	51242	20.949	ug/l	99
38) Carbon Tetrachloride	5.666	117	44802	20.790	ug/l	99
39) Methylcyclohexane	7.373	83	62505	21.985	ug/l	98
40) Benzene	6.031	78	147912	21.540	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	27347	20.887 ug/l	94
42) 1,2-Dichloroethane	6.086	62	47095	21.519 ug/l	100
43) Isopropyl Acetate	6.336	43	84306	21.343 ug/l	99
44) Trichloroethene	7.123	130	34390	21.910 ug/l	96
45) 1,2-Dichloropropane	7.428	63	36510	21.371 ug/l	99
46) Dibromomethane	7.574	93	25300	21.354 ug/l	99
47) Bromodichloromethane	7.818	83	48202	21.012 ug/l	97
48) Methyl methacrylate	7.690	41	39747	21.341 ug/l	100
49) 1,4-Dioxane	7.665	88	17153	429.262 ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	263394	109.684 ug/l	99
52) Toluene	8.714	92	89726	21.940 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	48613	20.940 ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	55026	21.259 ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	33930	21.582 ug/l	98
56) Ethyl methacrylate	9.116	69	54674	21.533 ug/l	99
57) 1,3-Dichloropropane	9.305	76	60079	21.841 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	133072	106.736 ug/l	100
59) 2-Hexanone	9.427	43	190449	110.072 ug/l	98
60) Dibromochloromethane	9.519	129	35706	21.237 ug/l	99
61) 1,2-Dibromoethane	9.604	107	34463	21.628 ug/l	100
64) Tetrachloroethene	9.269	164	28519	21.776 ug/l	97
65) Chlorobenzene	10.073	112	94695	21.230 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30344	21.136 ug/l	99
67) Ethyl Benzene	10.189	91	167865	21.327 ug/l	100
68) m/p-Xylenes	10.299	106	125271	43.144 ug/l	99
69) o-Xylene	10.640	106	62087	21.310 ug/l	97
70) Styrene	10.653	104	103740	22.101 ug/l	98
71) Bromoform	10.799	173	22592	21.086 ug/l #	99
73) Isopropylbenzene	10.957	105	160147	21.597 ug/l	99
74) N-amyl acetate	10.842	43	70542	21.023 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52967	20.787 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	55632	27.246 ug/l	83
77) Bromobenzene	11.195	156	36021	21.426 ug/l	97
78) n-propylbenzene	11.299	91	183212	21.406 ug/l	99
79) 2-Chlorotoluene	11.360	91	111782	21.250 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	130526	21.691 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	15375	19.370 ug/l	96
82) 4-Chlorotoluene	11.451	91	122303	21.016 ug/l	100
83) tert-Butylbenzene	11.713	119	130358	21.414 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	130211	21.924 ug/l	100
85) sec-Butylbenzene	11.890	105	162875	21.607 ug/l	100
86) p-Isopropyltoluene	12.006	119	130643	21.551 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	64141	20.747 ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	64889	20.758 ug/l	98
89) n-Butylbenzene	12.329	91	113705	21.202 ug/l	100
90) Hexachloroethane	12.536	117	23153	20.398 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	64940	21.373 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9873	21.230 ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	37308	20.292 ug/l	99
94) Hexachlorobutadiene	13.725	225	15312	20.979 ug/l	96
95) Naphthalene	13.774	128	142902	21.502 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	38389	20.722 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

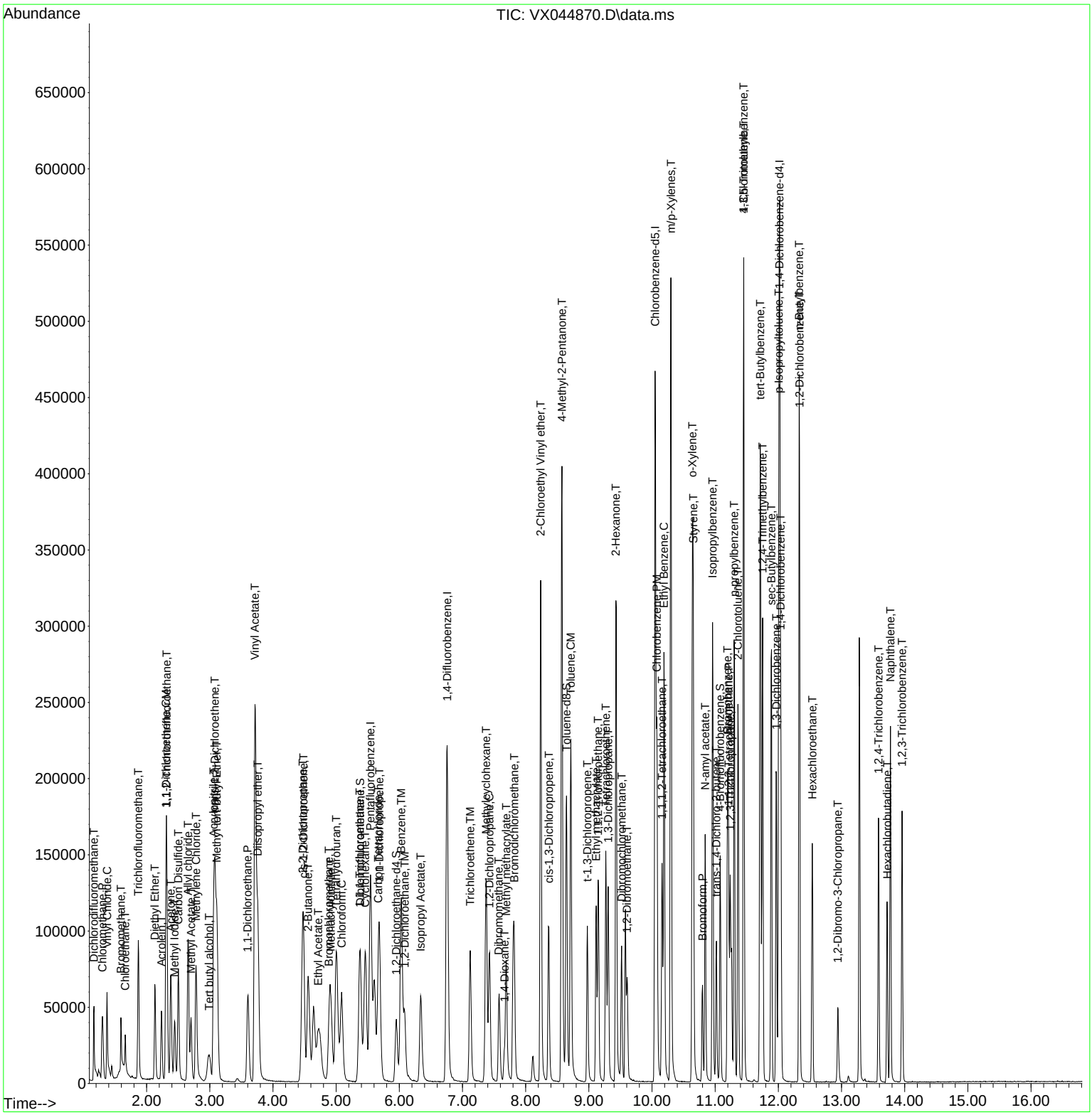
(#) = qualifier out of range (m) = manual integration (+) = signals summed

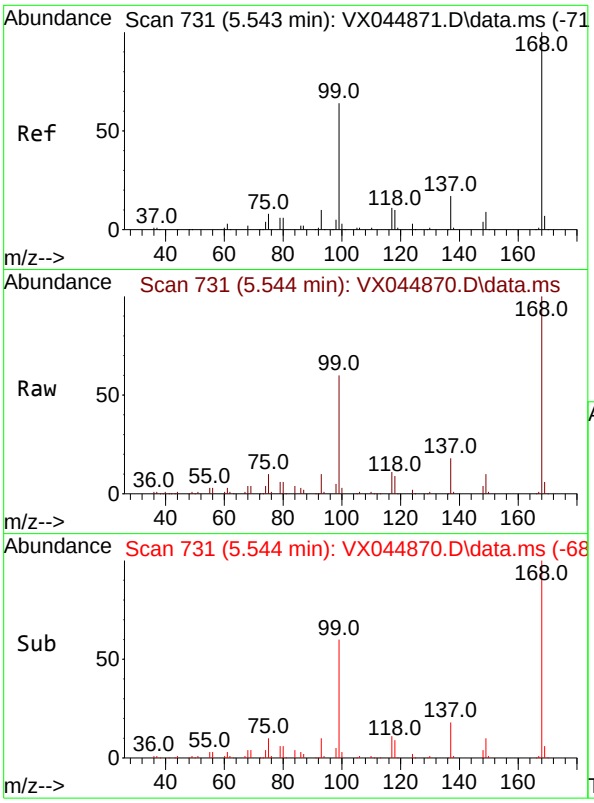
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration



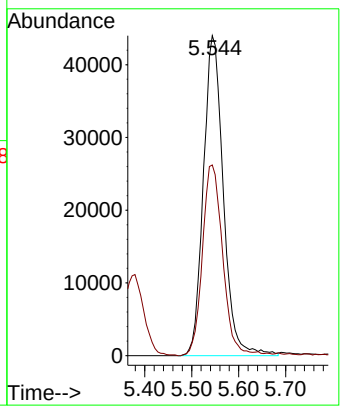


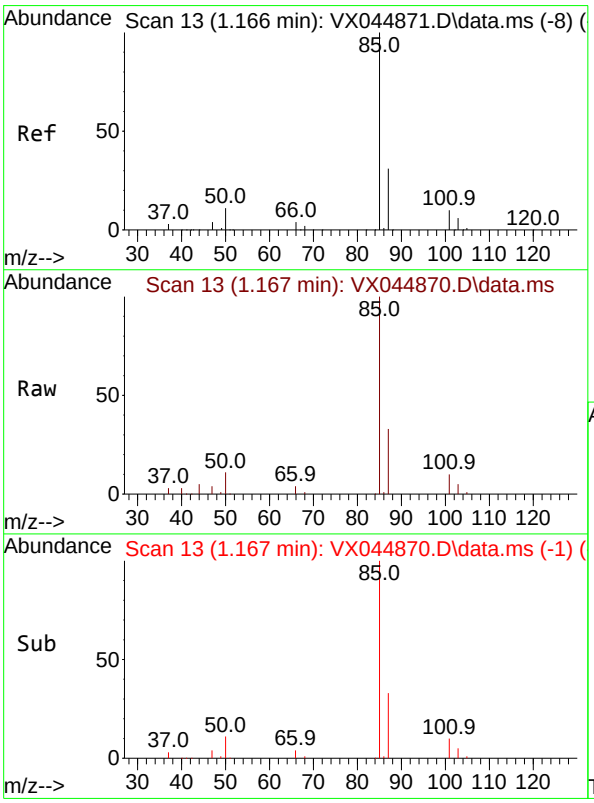
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 129532

Ion	Ratio	Lower	Upper
168	100		
99	59.6	51.2	76.8

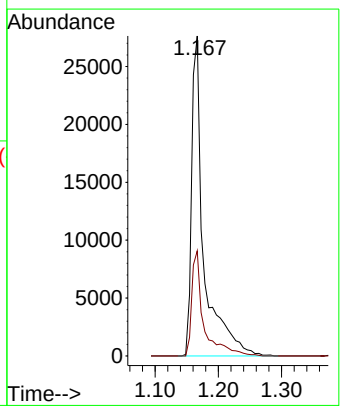


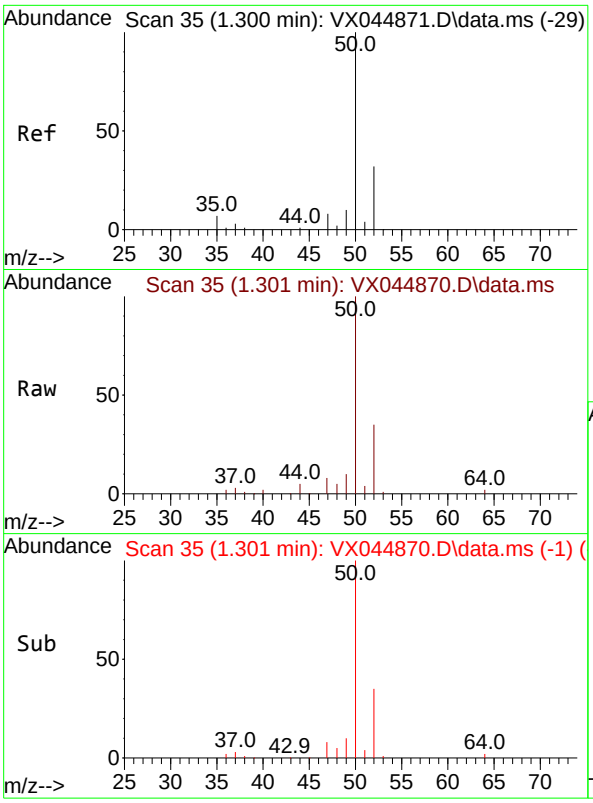


#2
Dichlorodifluoromethane
Concen: 20.434 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 85 Resp: 37123

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.8	47.3



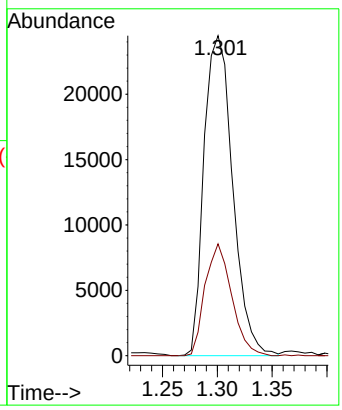


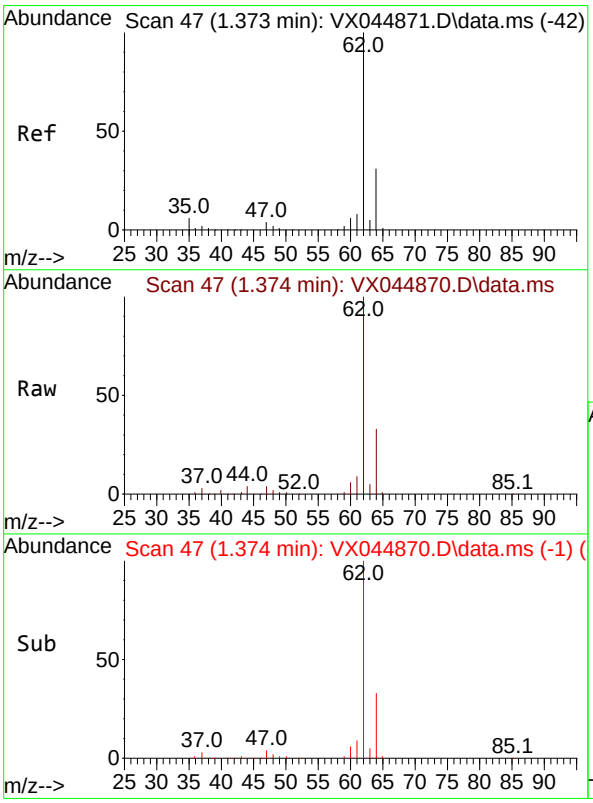
#3
Chloromethane
Concen: 20.200 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 44666

Ion	Ratio	Lower	Upper
50	100		
52	35.0	25.9	38.9

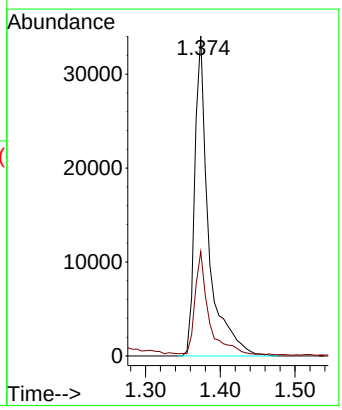


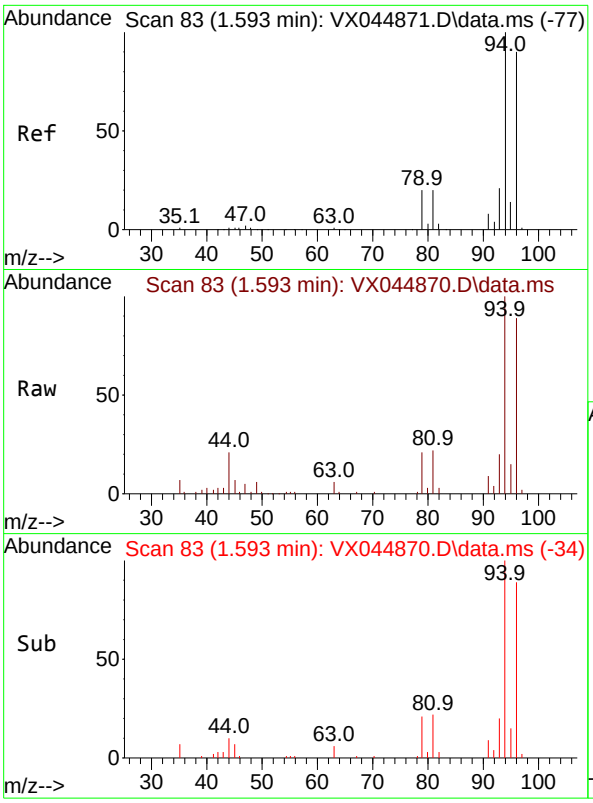


#4
Vinyl Chloride
Concen: 20.494 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 43901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.4	38.0



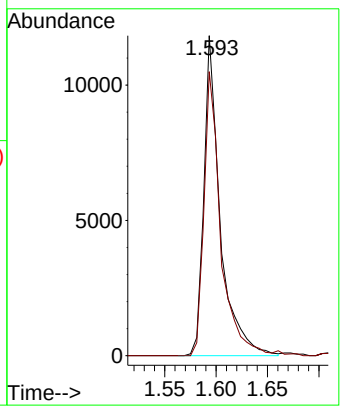


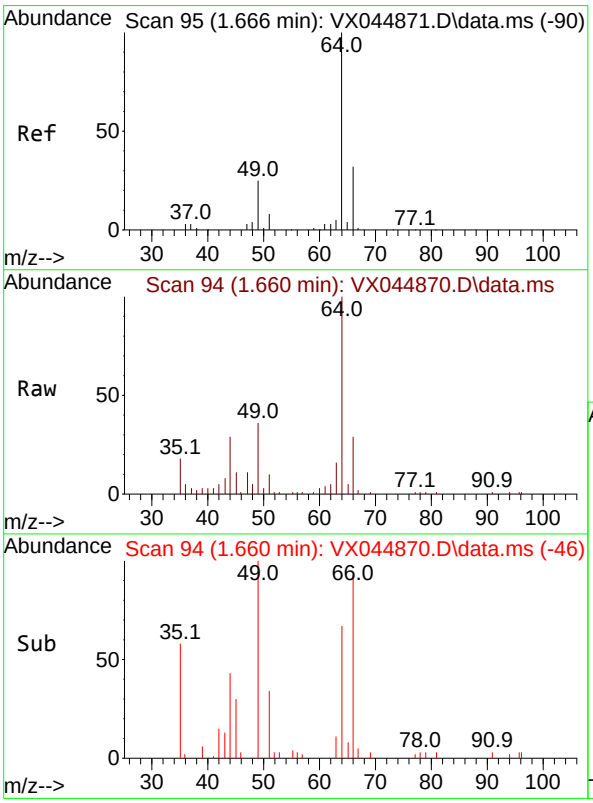
#5
Bromomethane
Concen: 20.369 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 13057

Ion	Ratio	Lower	Upper
94	100		
96	88.8	71.6	107.4

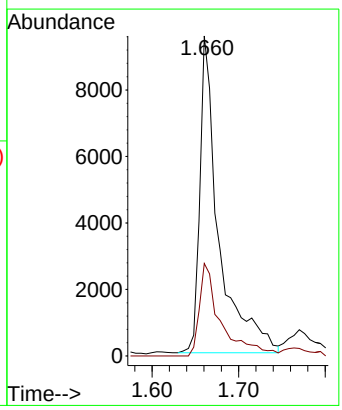


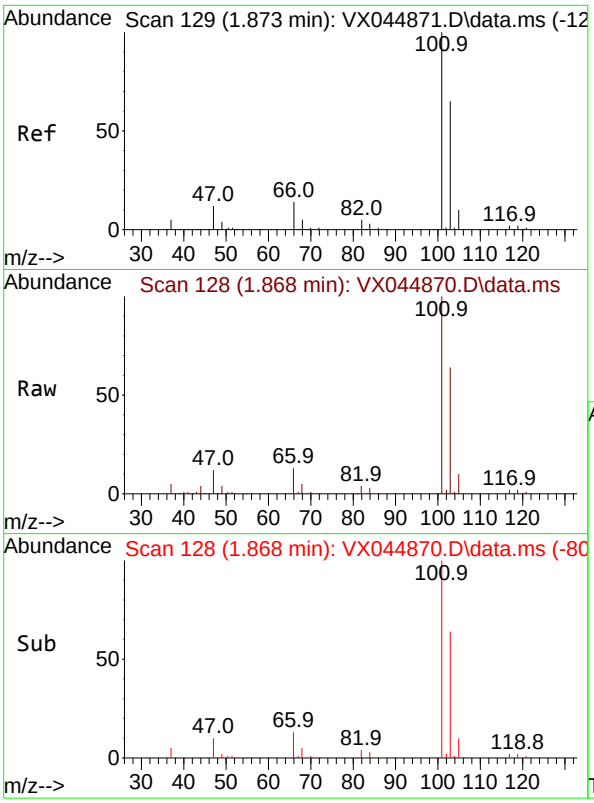


#6
Chloroethane
Concen: 16.522 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 64 Resp: 14523

Ion	Ratio	Lower	Upper
64	100		
66	29.2	25.9	38.9



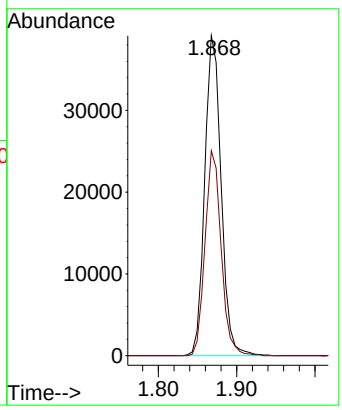


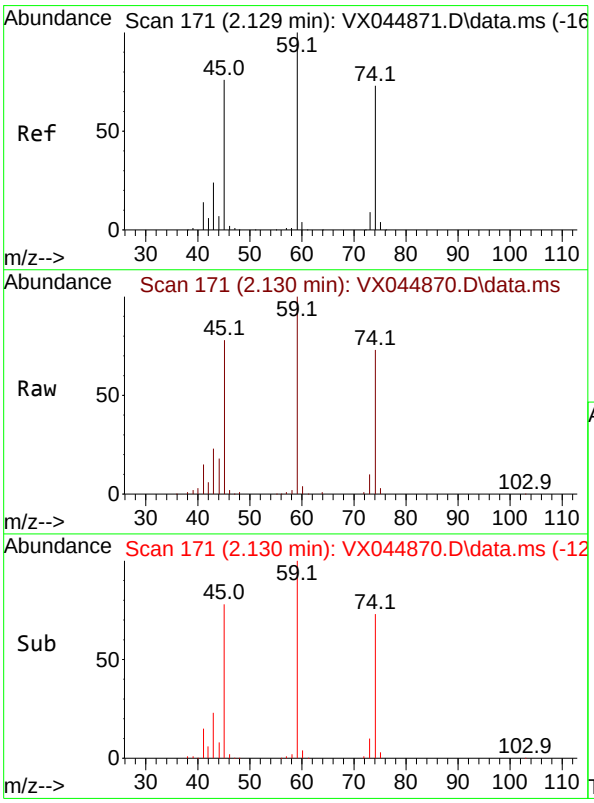
#7
Trichlorofluoromethane
Concen: 20.969 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 56805

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.4	78.6

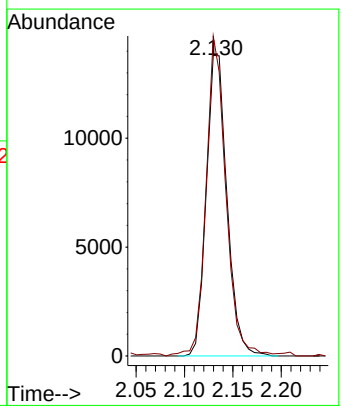


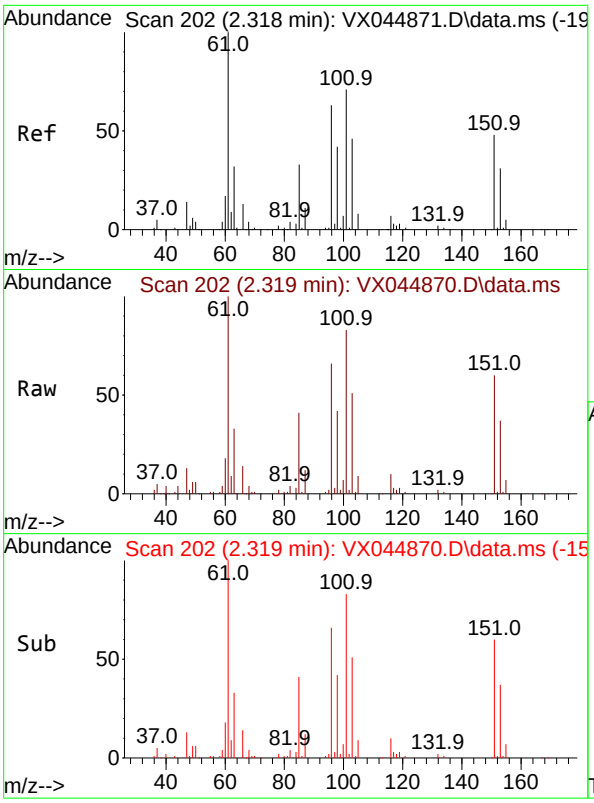


#8
Diethyl Ether
Concen: 21.069 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 74 Resp: 20699

Ion	Ratio	Lower	Upper
74	100		
45	101.2	51.1	153.4



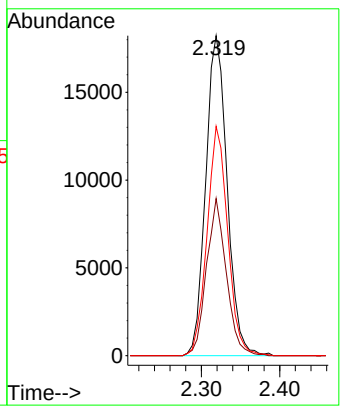


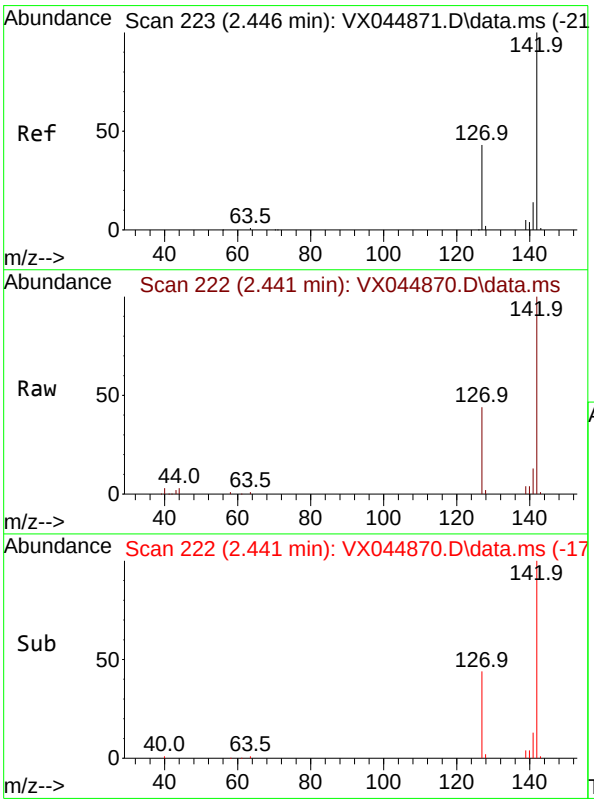
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.135 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 34593

Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.7	53.5
151	69.4	56.0	84.0

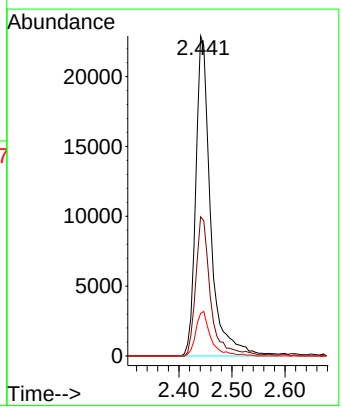


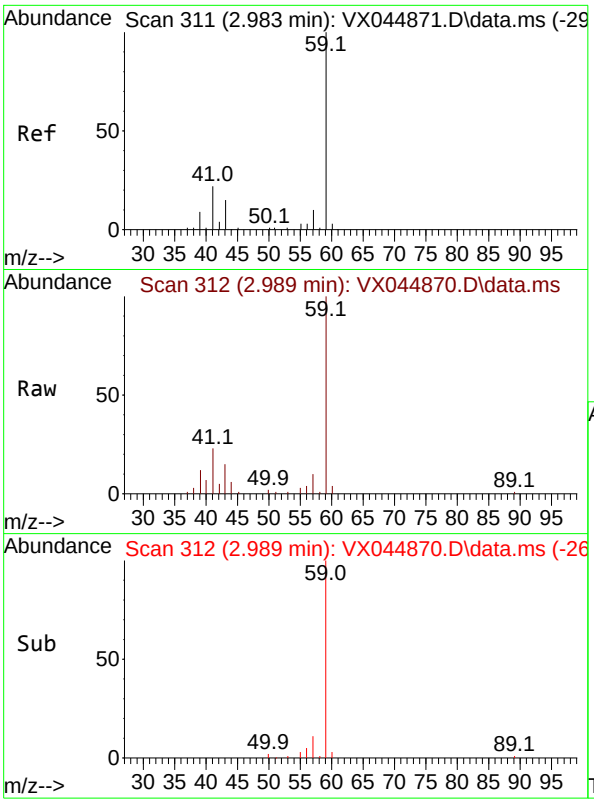


#10
Methyl Iodide
Concen: 21.096 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:142 Resp: 44749

Ion	Ratio	Lower	Upper
142	100		
127	43.4	34.3	51.5
141	14.0	11.4	17.2



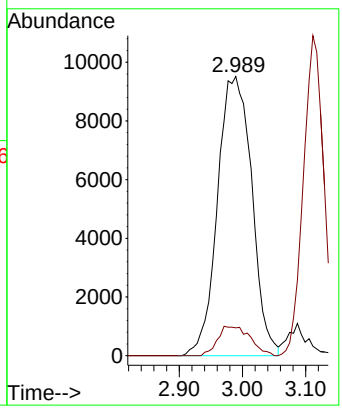


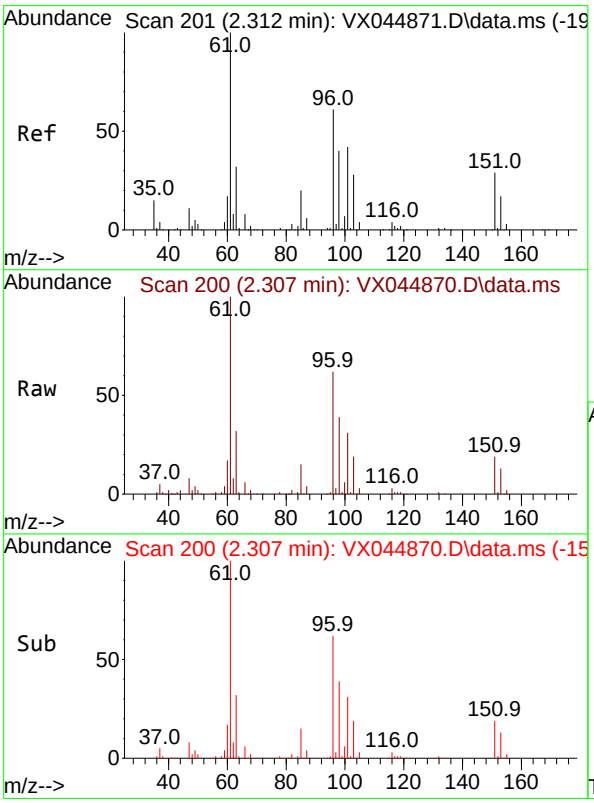
#11
Tert butyl alcohol
Concen: 101.870 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 35834

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

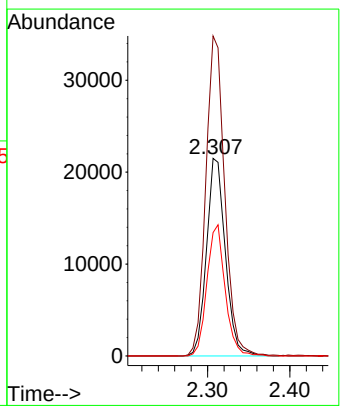


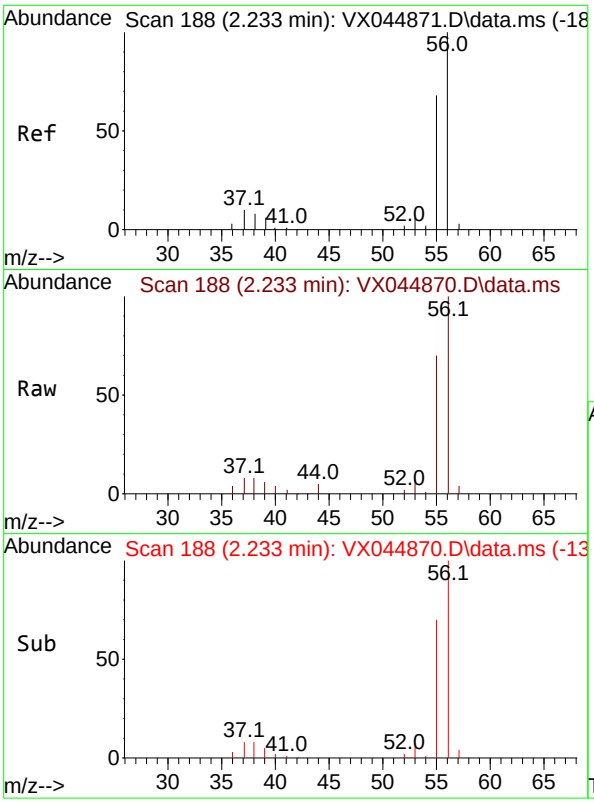


#12
1,1-Dichloroethene
Concen: 20.526 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 96 Resp: 34270

Ion	Ratio	Lower	Upper
96	100		
61	161.9	130.2	195.4
98	62.4	52.2	78.4



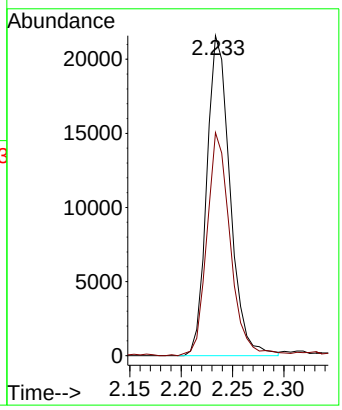


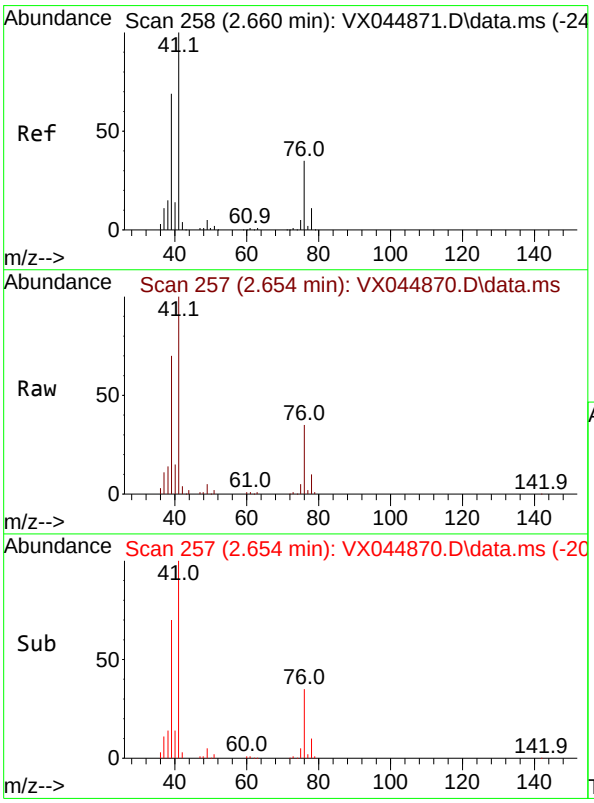
#13
Acrolein
Concen: 93.445 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 33914

Ion	Ratio	Lower	Upper
56	100		
55	70.1	55.7	83.5

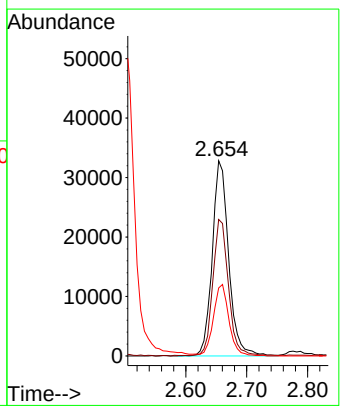


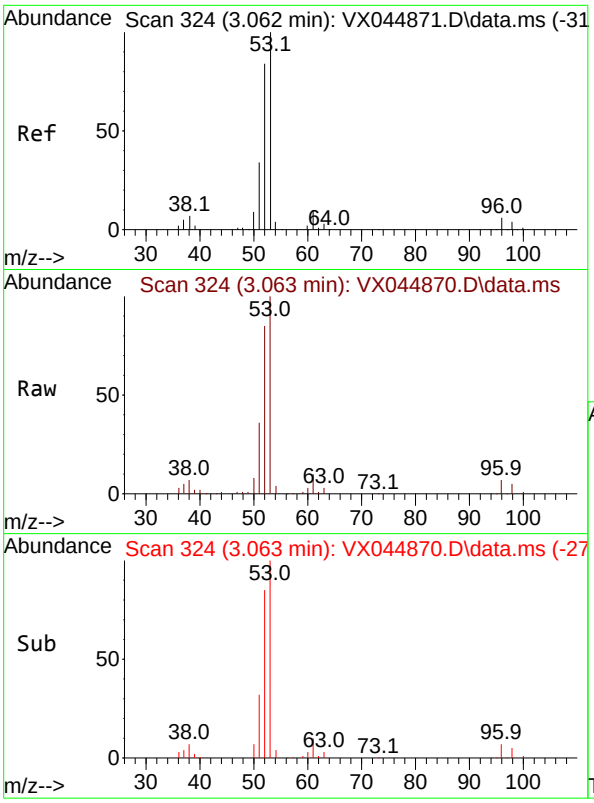


#14
Allyl chloride
Concen: 20.377 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 61485

Ion	Ratio	Lower	Upper
41	100		
39	65.8	51.4	77.2
76	34.9	27.0	40.4



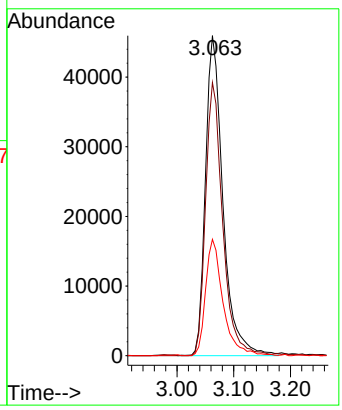


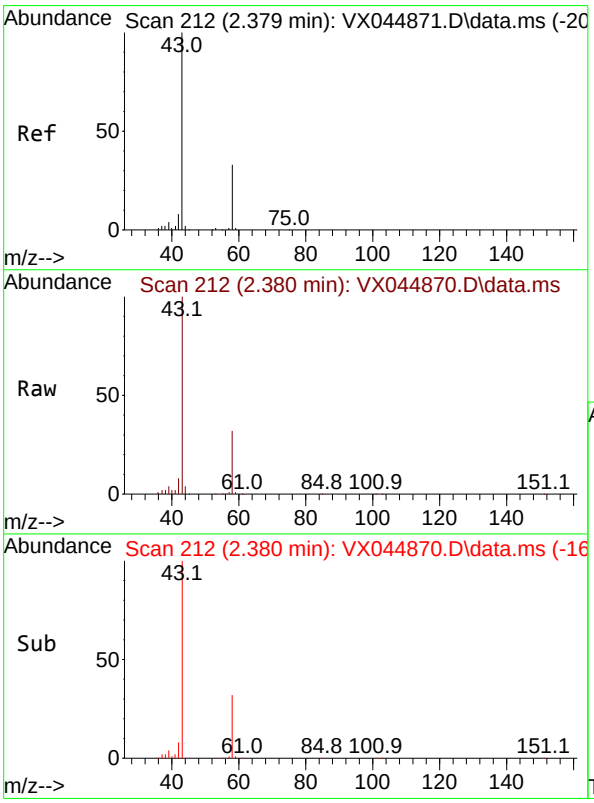
#15
Acrylonitrile
Concen: 104.896 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 98518

Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.0	97.6
51	36.3	28.0	42.0

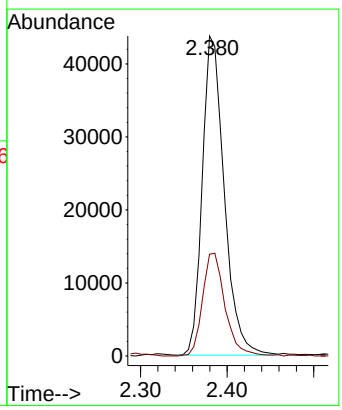


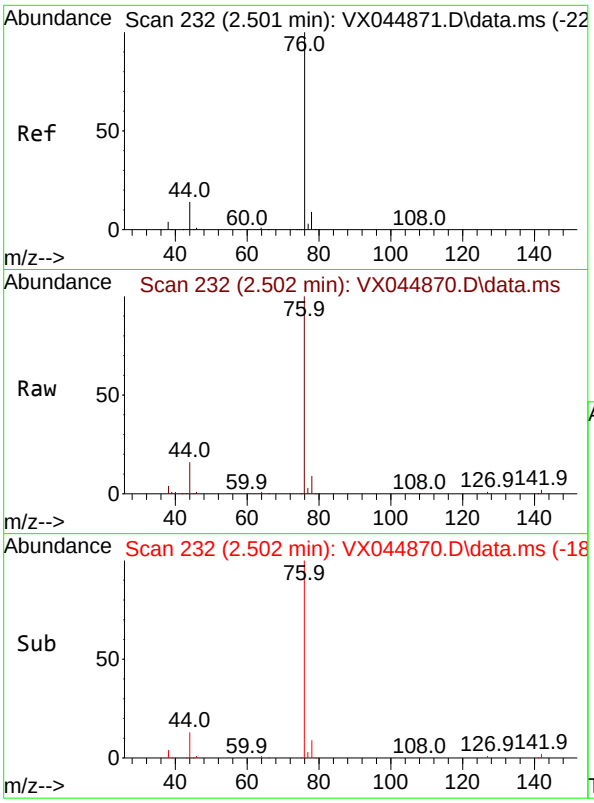


#16
Acetone
Concen: 101.119 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 77078

Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.5	39.7



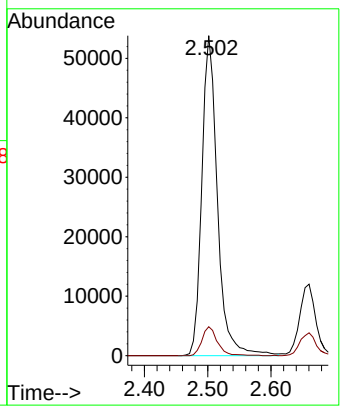


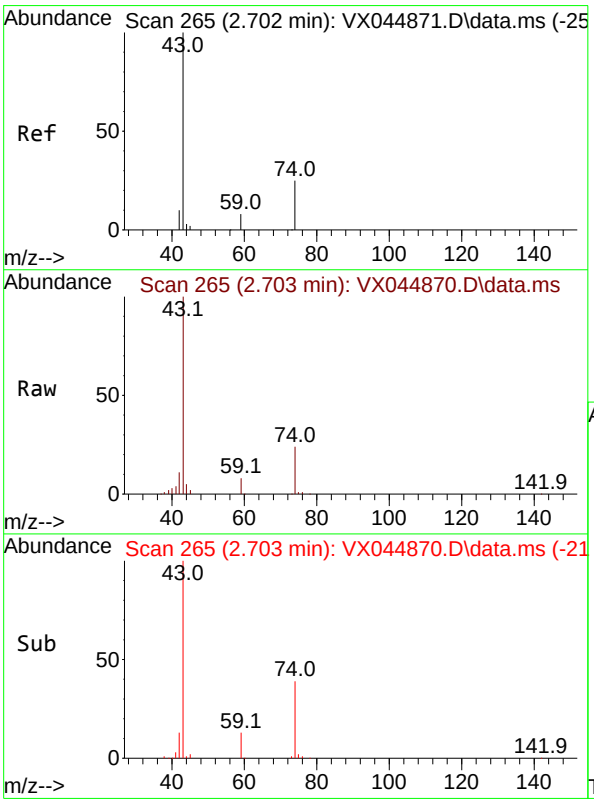
#17
Carbon Disulfide
Concen: 20.216 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 92552

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

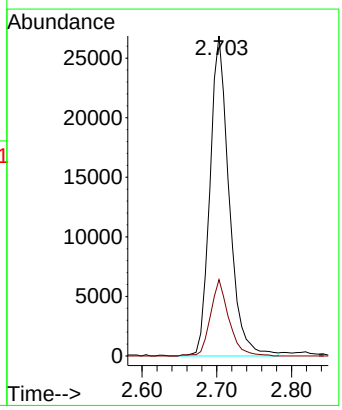


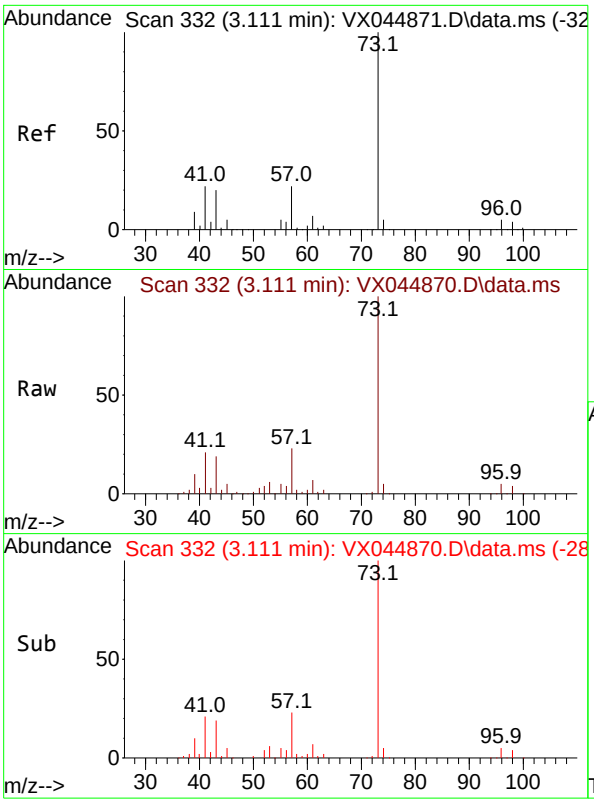


#18
Methyl Acetate
Concen: 19.943 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 47970

Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.9	28.3



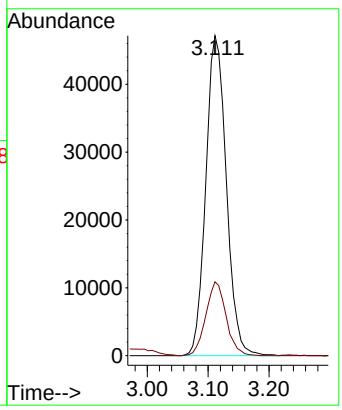


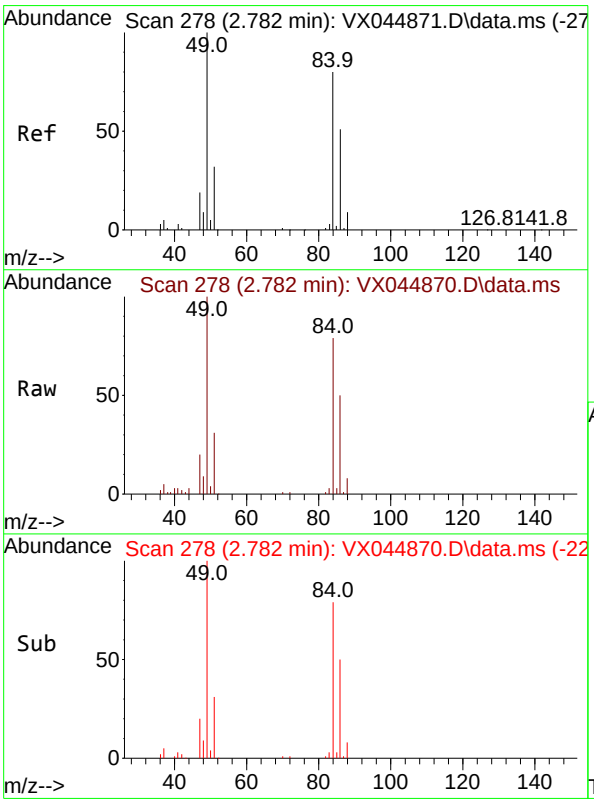
#19
Methyl tert-butyl Ether
Concen: 20.779 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 110377

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.9	26.9

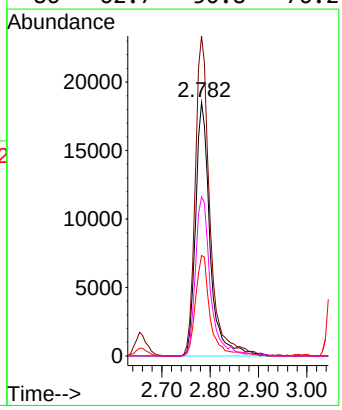


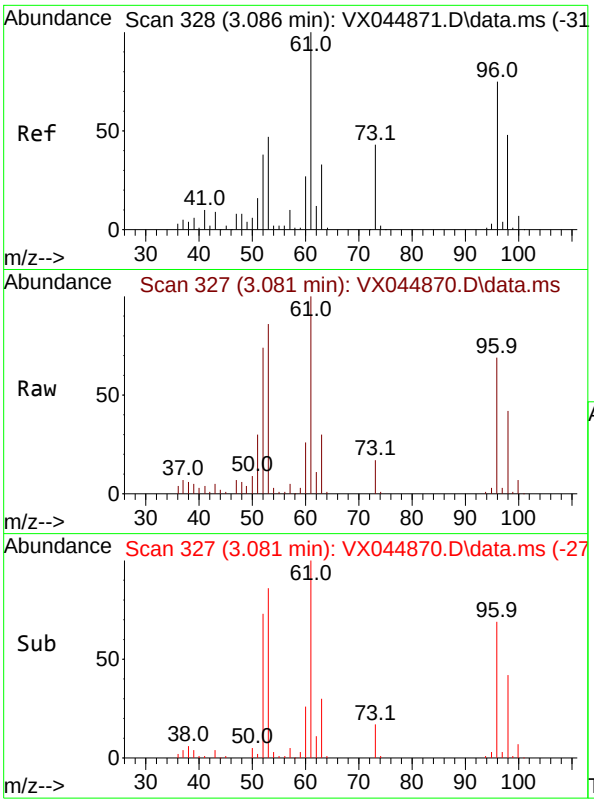


#20
Methylene Chloride
Concen: 20.562 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 84 Resp: 38390

Ion	Ratio	Lower	Upper
84	100		
49	126.2	100.1	150.1
51	39.6	31.7	47.5
86	62.7	50.8	76.2



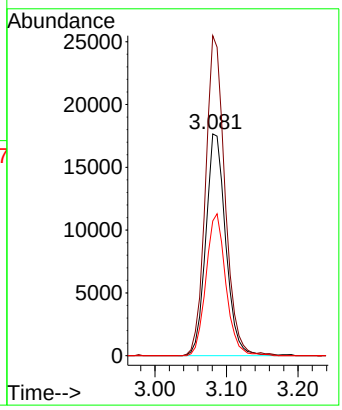


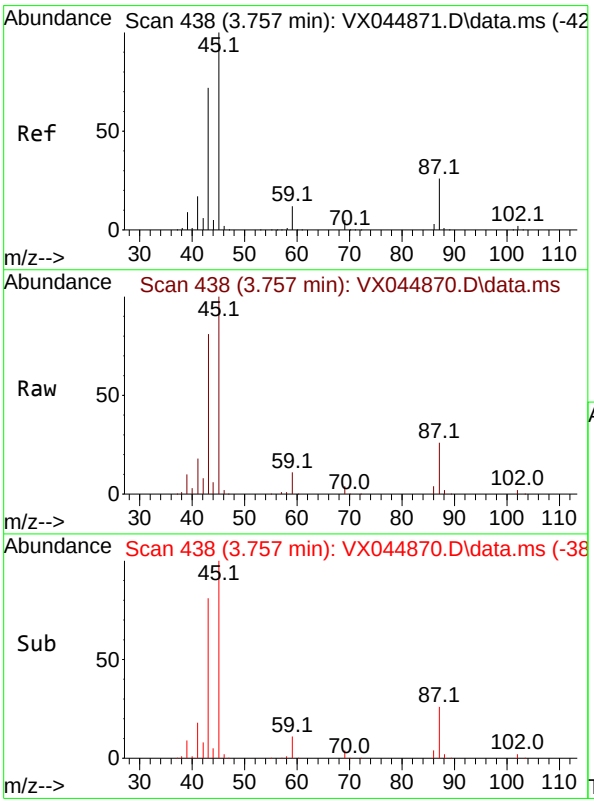
#21
trans-1,2-Dichloroethene
Concen: 20.730 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 34064

Ion	Ratio	Lower	Upper
96	100		
61	144.3	106.0	159.0
98	60.8	50.6	76.0

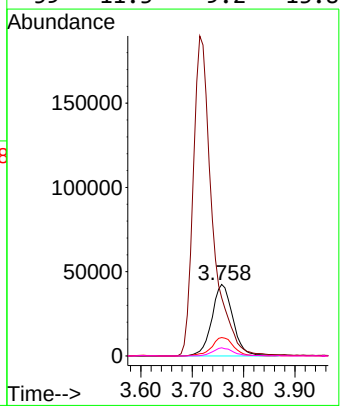


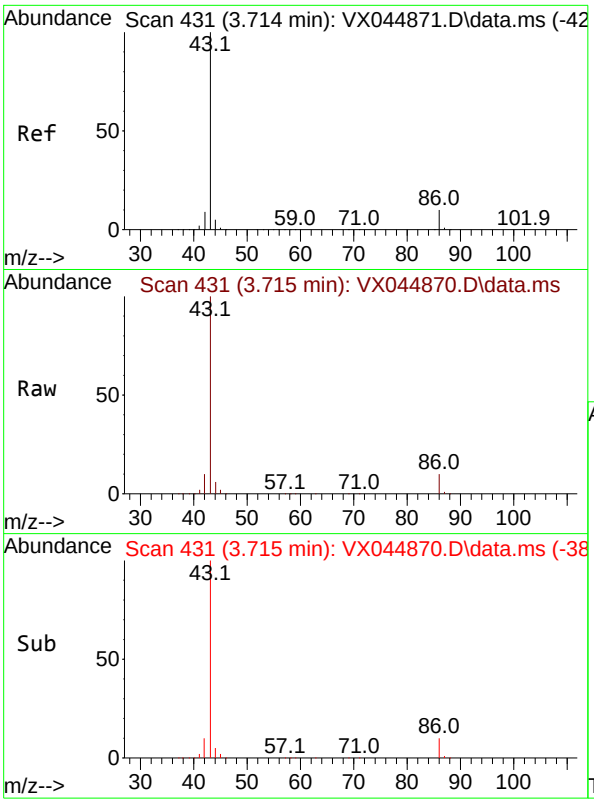


#22
Diisopropyl ether
Concen: 21.074 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 45 Resp: 120300

Ion	Ratio	Lower	Upper
45	100		
43	80.8	58.0	87.0
87	25.8	20.7	31.1
59	11.3	9.2	13.8



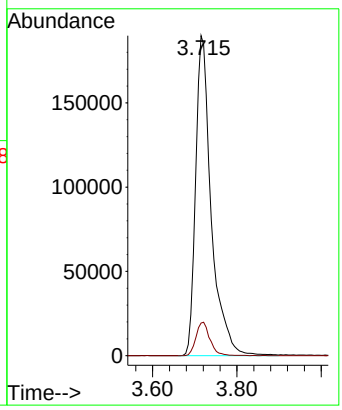


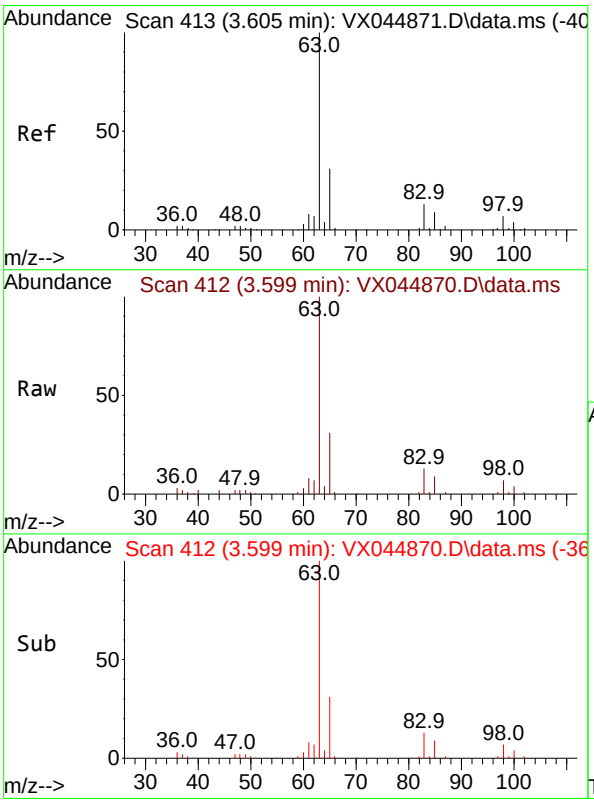
#23
Vinyl Acetate
Concen: 105.341 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 490239

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.3	12.5

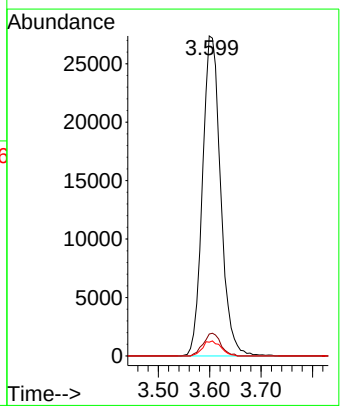


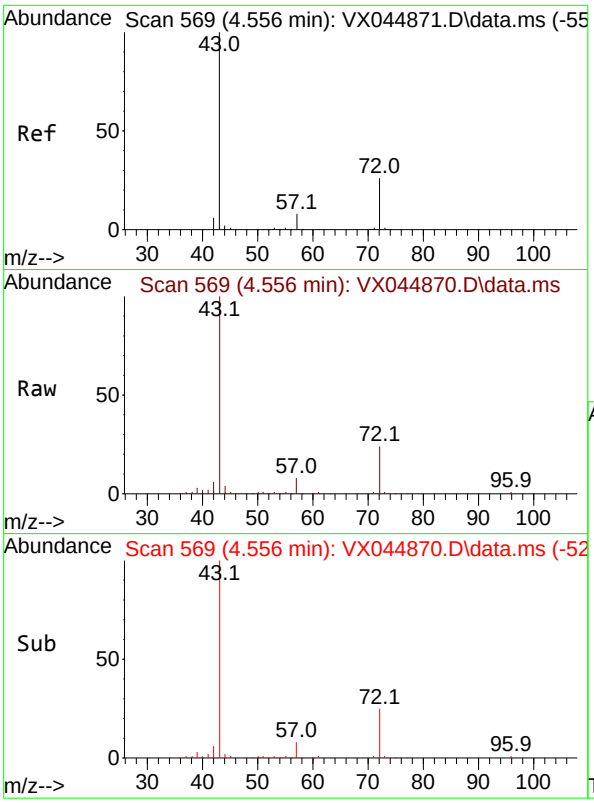


#24
1,1-Dichloroethane
Concen: 20.958 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 63 Resp: 66942

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.9
100	4.3	2.1	6.5



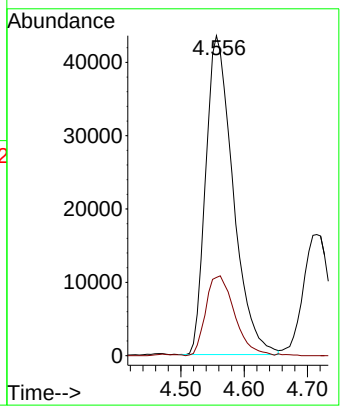


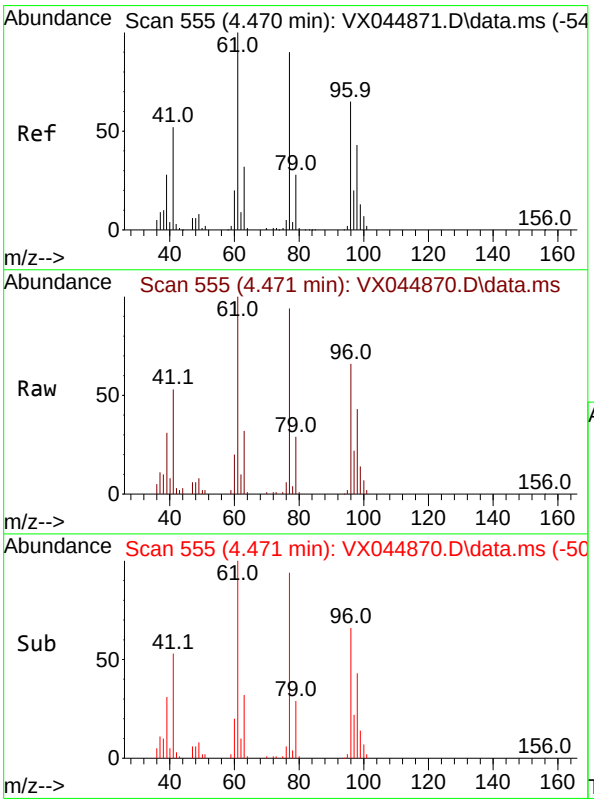
#25
2-Butanone
Concen: 105.417 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 130481

Ion	Ratio	Lower	Upper
43	100		
72	24.2	21.2	31.8

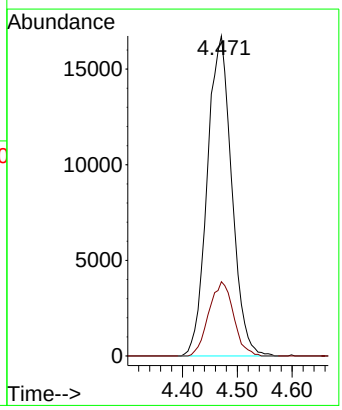


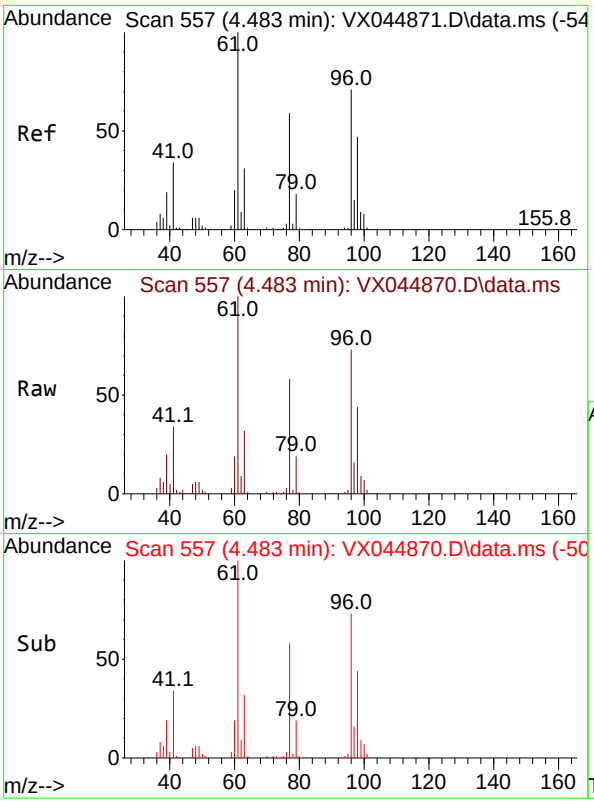


#26
2,2-Dichloropropane
Concen: 20.451 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 77 Resp: 51803

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.8	35.3



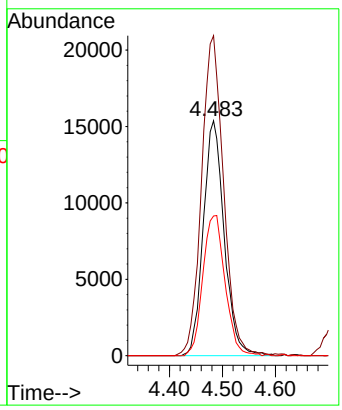


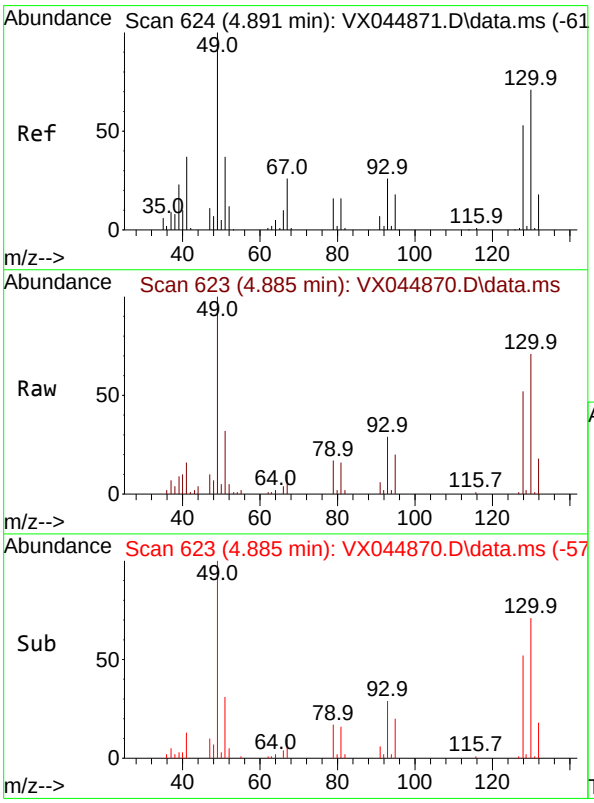
#27
cis-1,2-Dichloroethene
Concen: 21.328 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 42096

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	294.0
98	63.4	0.0	131.2

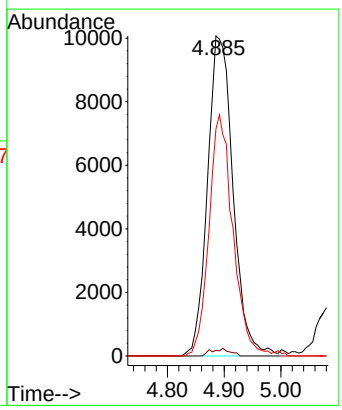


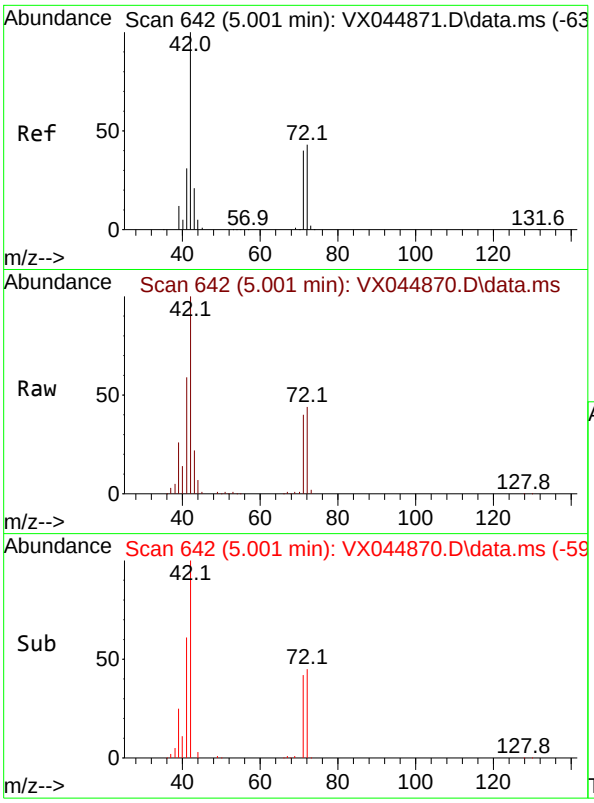


#28
Bromochloromethane
Concen: 20.504 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 49 Resp: 31474

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	70.3	56.7	85.1



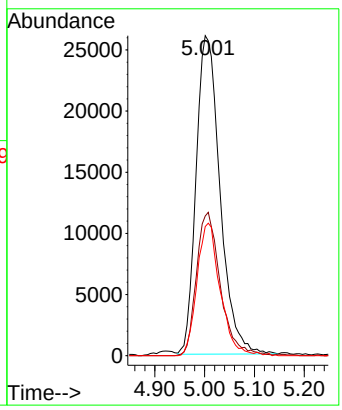


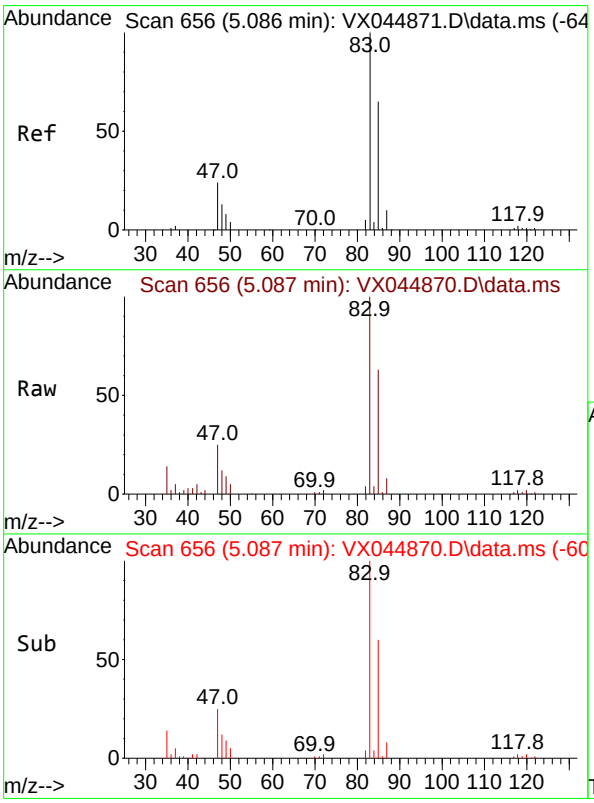
#29
Tetrahydrofuran
Concen: 105.700 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 86875

Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.0	52.4
71	40.4	32.6	48.8

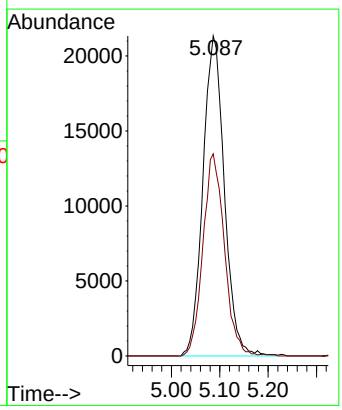


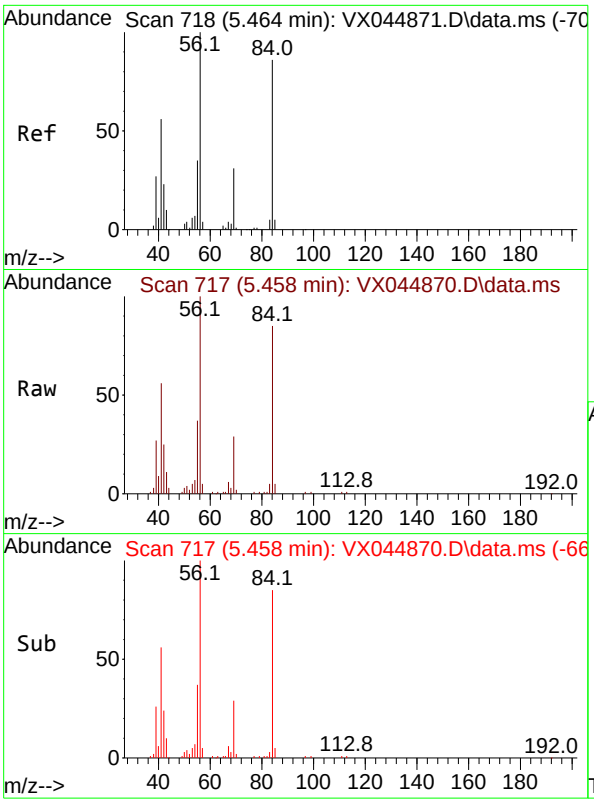


#30
Chloroform
Concen: 21.217 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 83 Resp: 65721

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.1	78.1



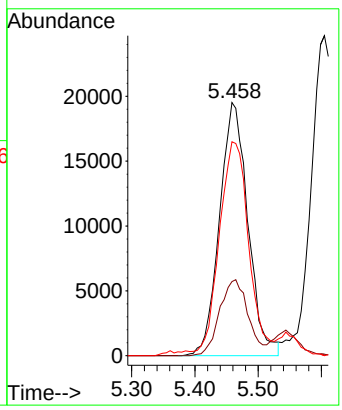


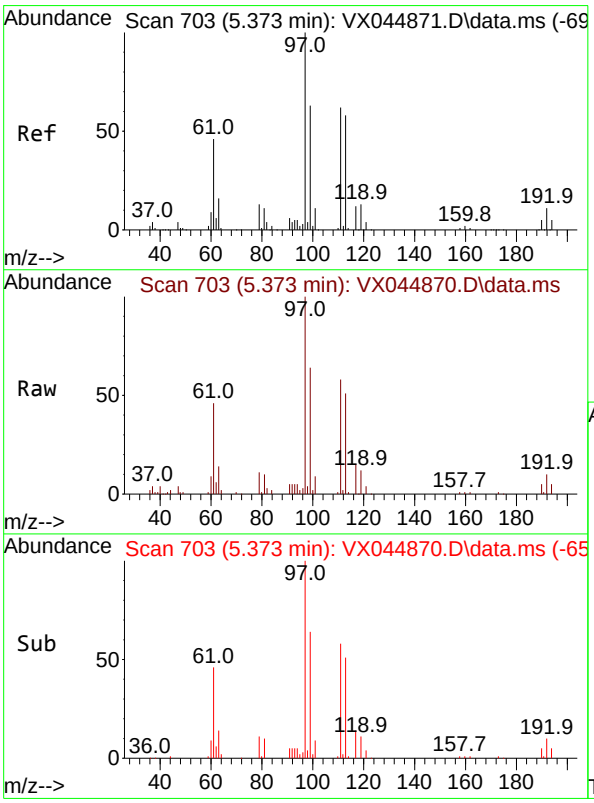
#31
Cyclohexane
Concen: 20.653 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 60814

Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.4	36.6
84	83.1	69.0	103.6

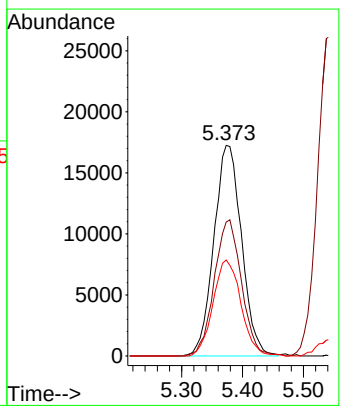


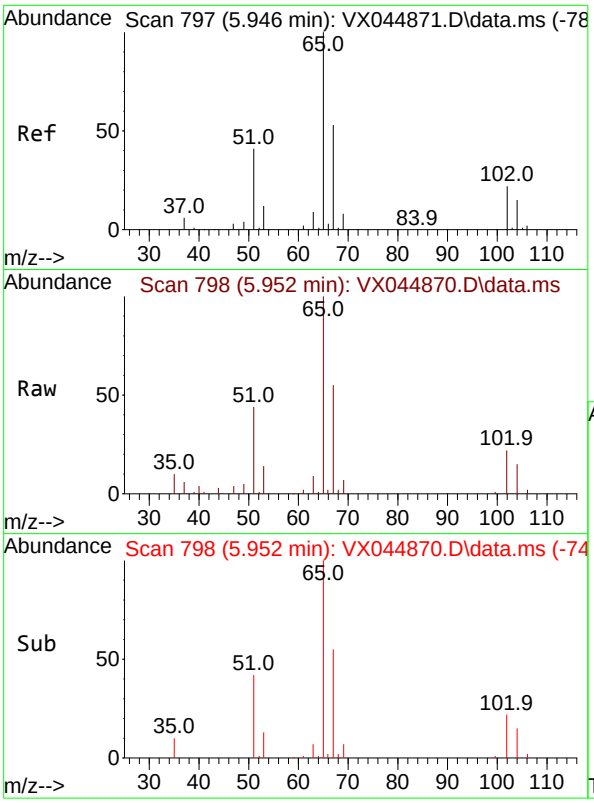


#32
1,1,1-Trichloroethane
Concen: 20.724 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 97 Resp: 54450

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	45.9	36.6	55.0



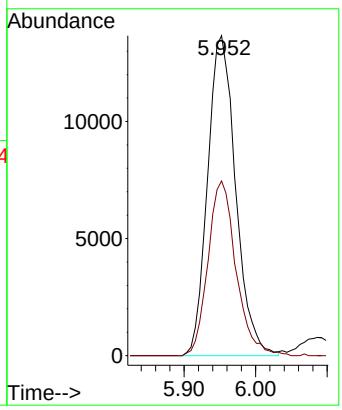


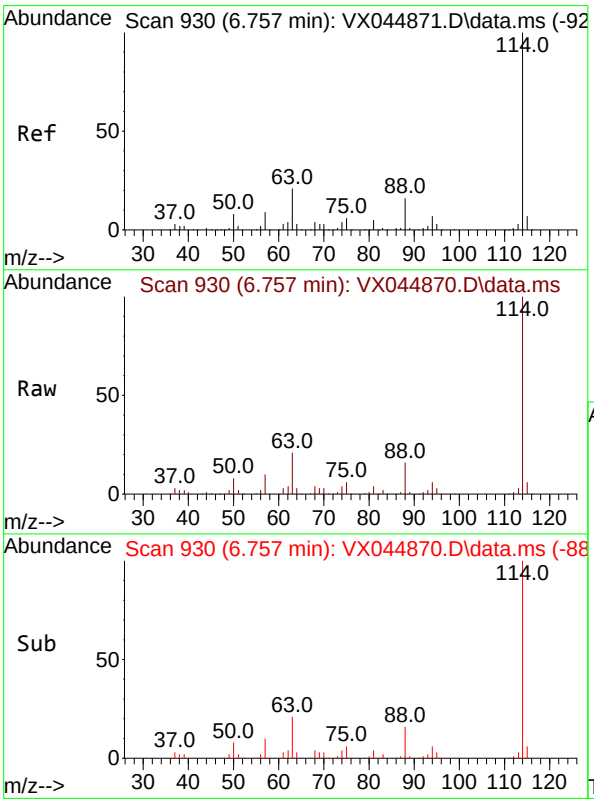
#33
1,2-Dichloroethane-d4
Concen: 19.616 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 37195

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	108.2

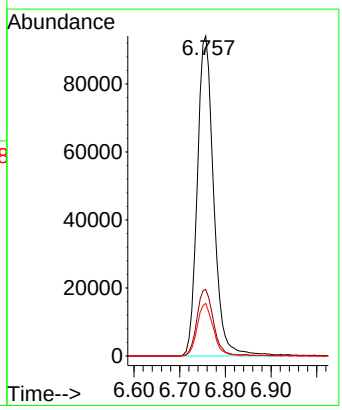


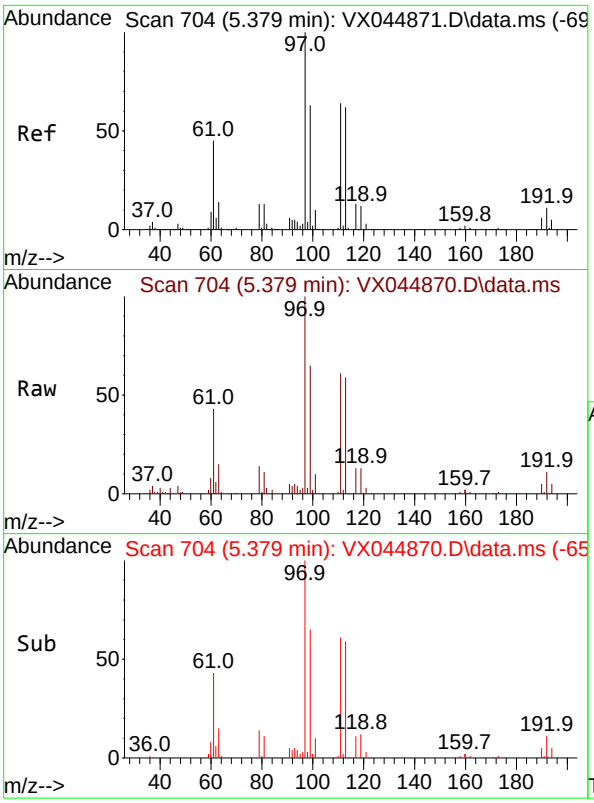


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:114 Resp: 234445

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.4
88	16.4	0.0	31.4



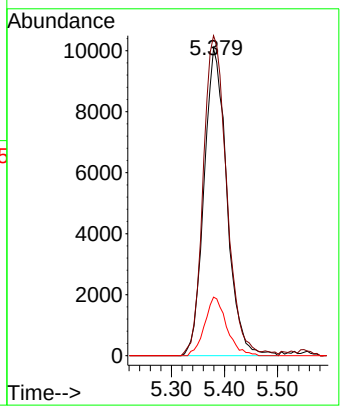


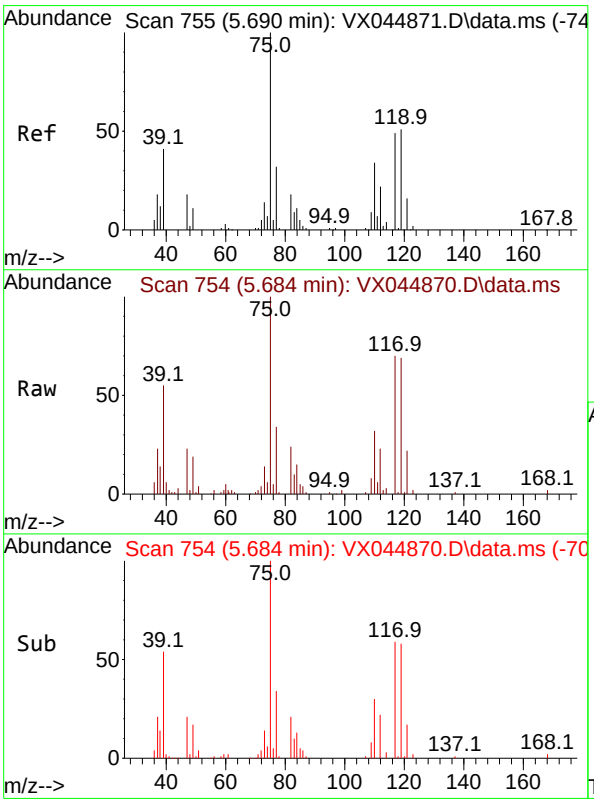
#35
Dibromofluoromethane
Concen: 19.793 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 30170

Ion	Ratio	Lower	Upper
113	100		
111	106.3	83.5	125.3
192	18.3	14.4	21.6

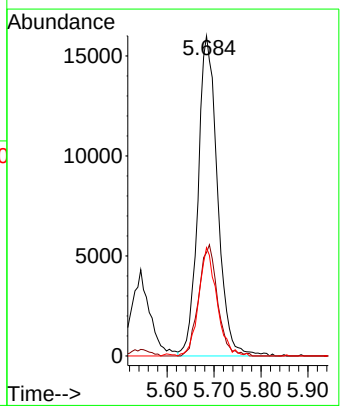


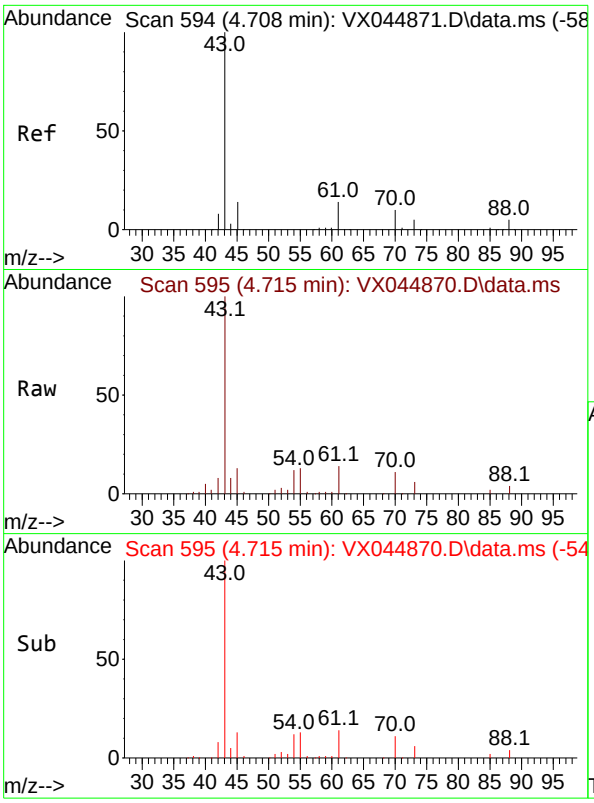


#36
1,1-Dichloropropene
Concen: 20.913 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 45991

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.2	51.6
77	31.7	24.6	37.0



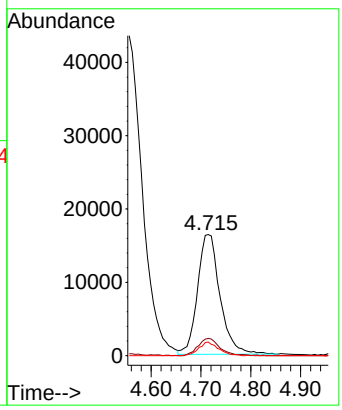


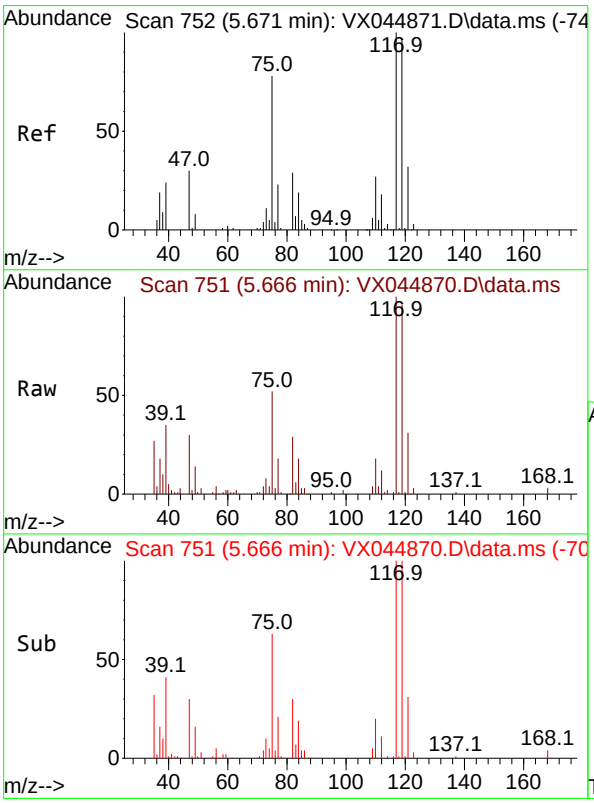
#37
Ethyl Acetate
Concen: 20.949 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 51242

Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	9.9	8.2	12.2

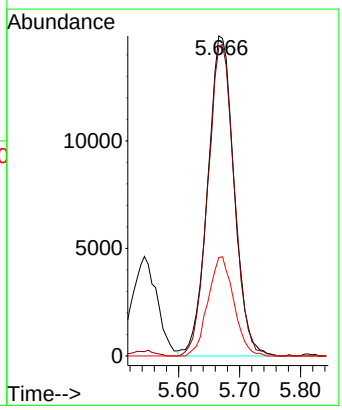


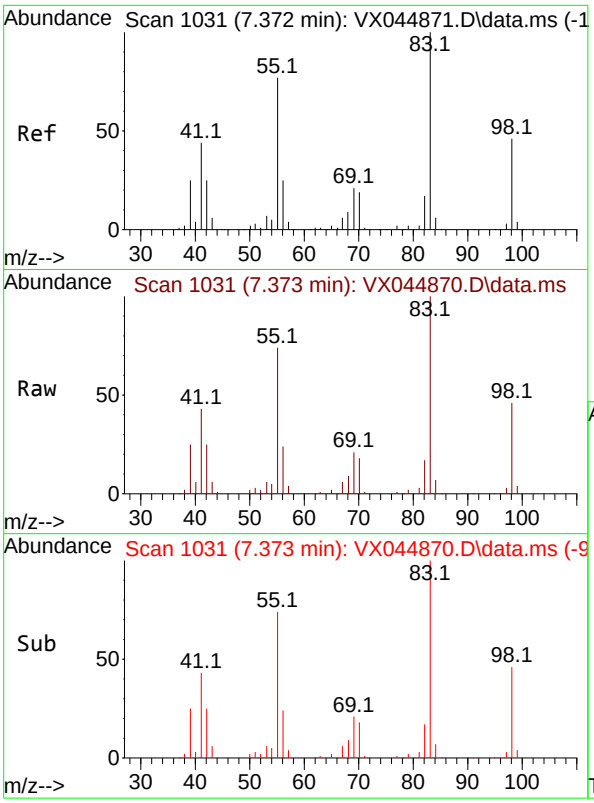


#38
Carbon Tetrachloride
Concen: 20.790 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:117 Resp: 44802

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.5	116.3
121	30.8	25.6	38.4



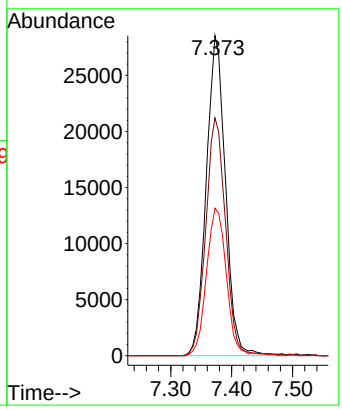


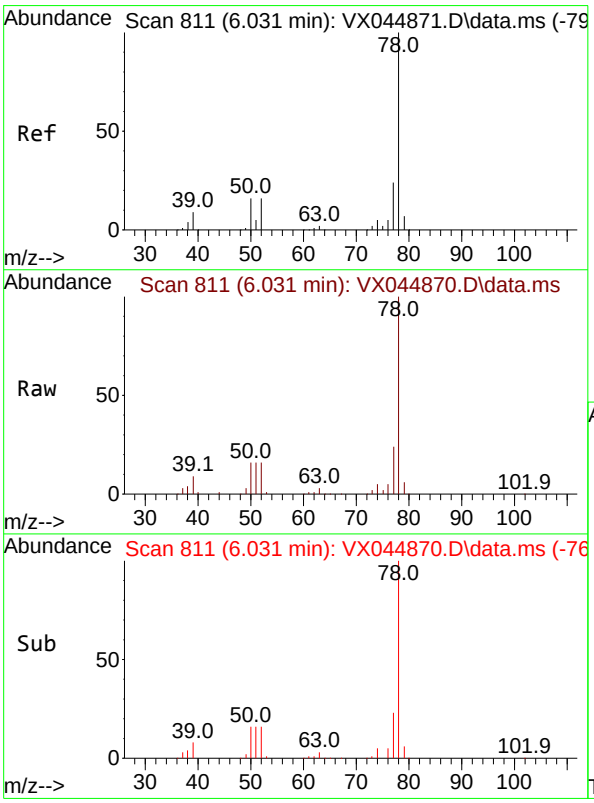
#39
Methylcyclohexane
Concen: 21.985 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 62505

Ion	Ratio	Lower	Upper
83	100		
55	74.3	61.3	91.9
98	46.1	37.0	55.6

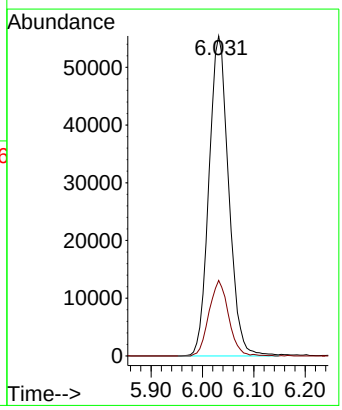


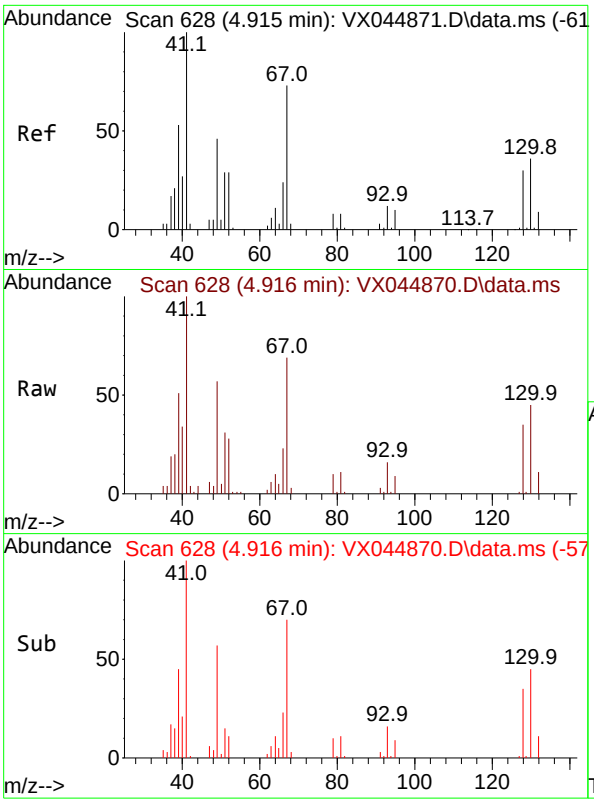


#40
Benzene
Concen: 21.540 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 78 Resp: 147912

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6



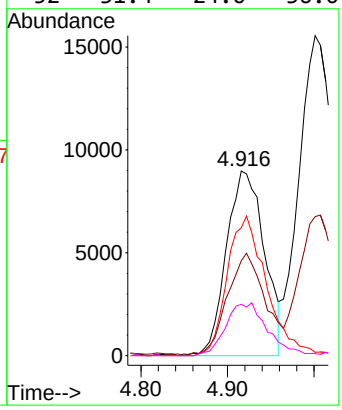


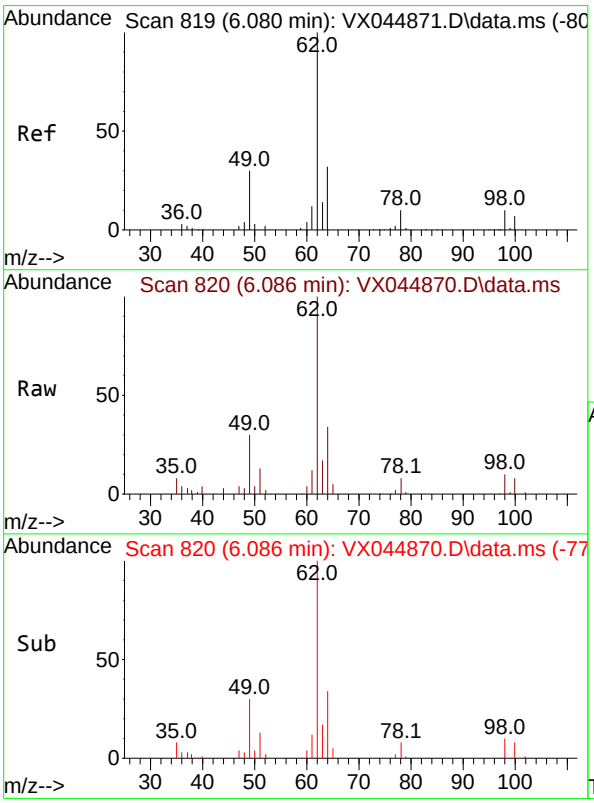
#41
Methacrylonitrile
Concen: 20.887 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 27347

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.1	64.7
67	78.6	57.0	85.6
52	31.4	24.0	36.0

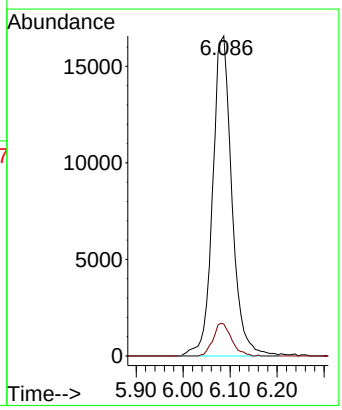


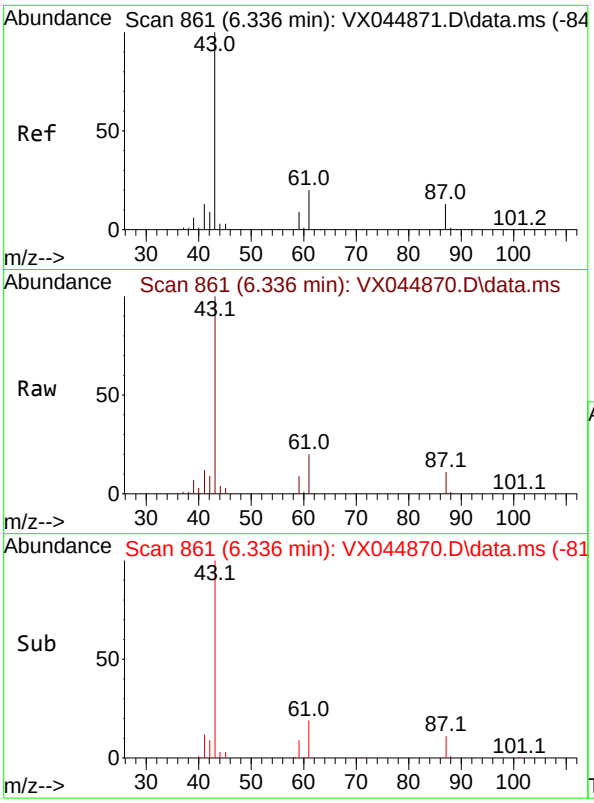


#42
1,2-Dichloroethane
Concen: 21.519 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 47095

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4



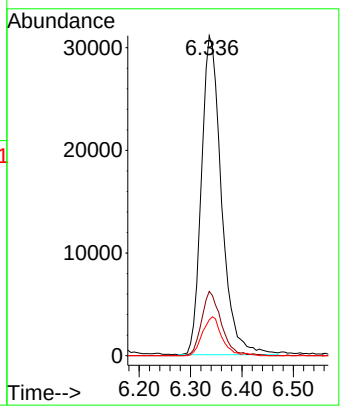


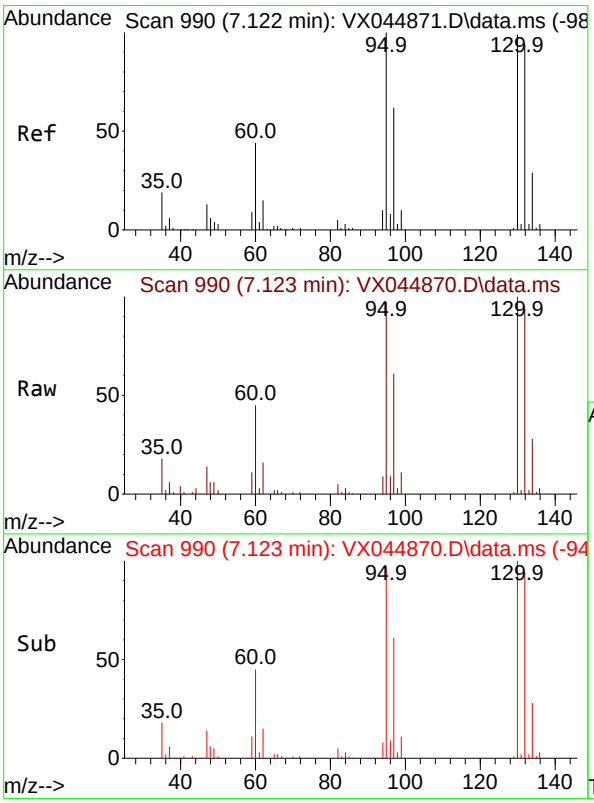
#43
Isopropyl Acetate
Concen: 21.343 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 84306

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.8
87	11.6	10.0	15.0

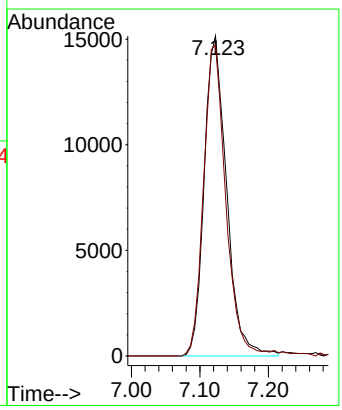


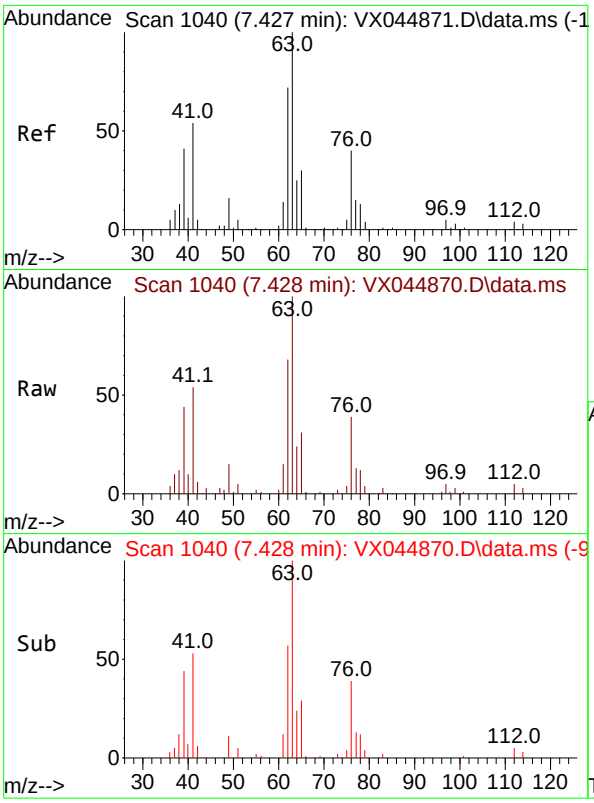


#44
Trichloroethene
Concen: 21.910 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:130 Resp: 34390

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	202.4



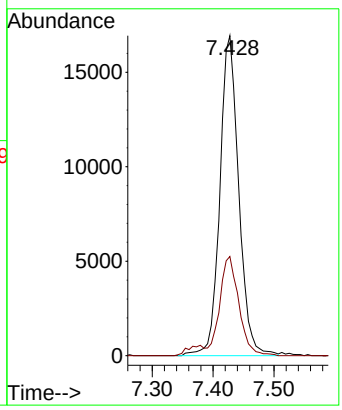


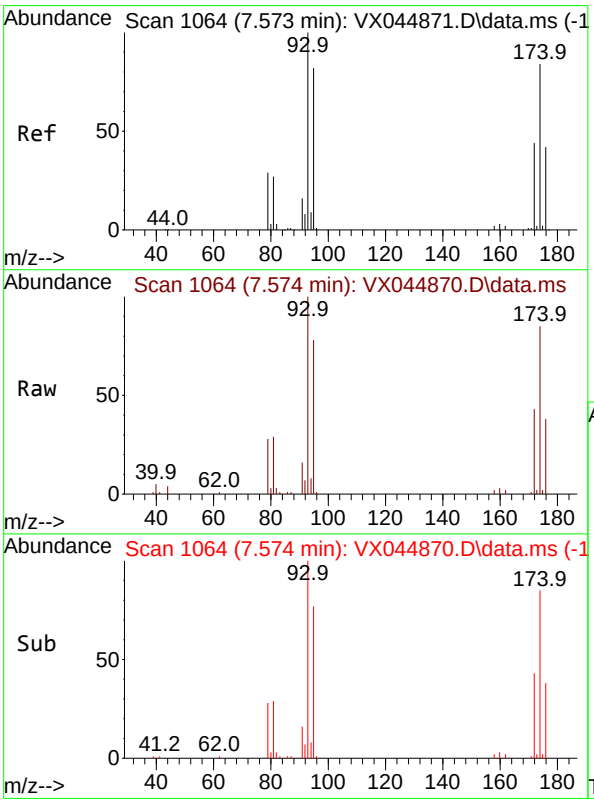
#45
1,2-Dichloropropane
Concen: 21.371 ug/l
RT: 7.428 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 36510

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.2	36.4

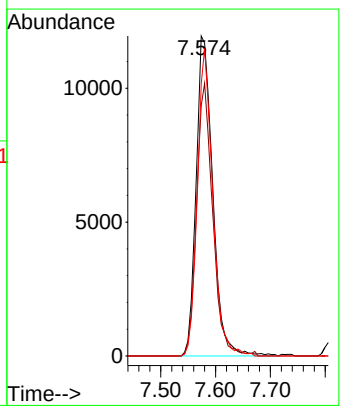


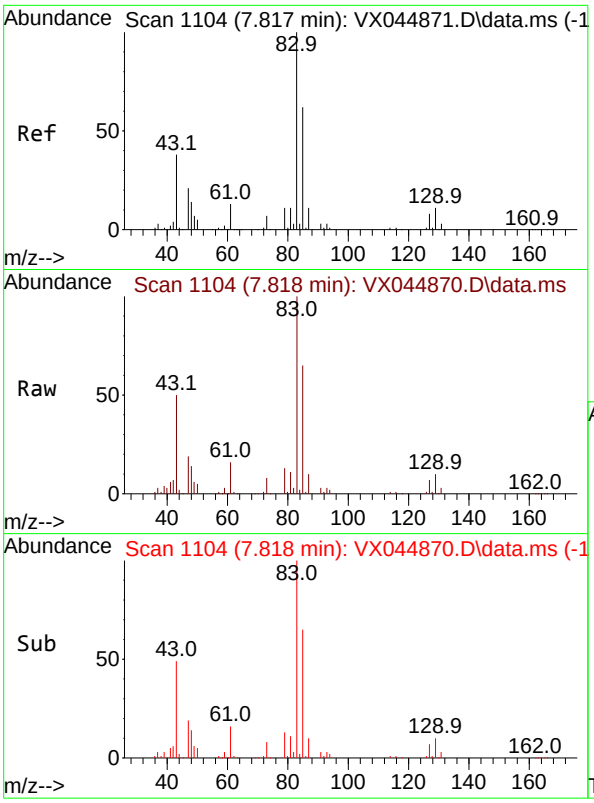


#46
Dibromomethane
Concen: 21.354 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 93 Resp: 25300

Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.2	99.4
174	88.6	69.9	104.9



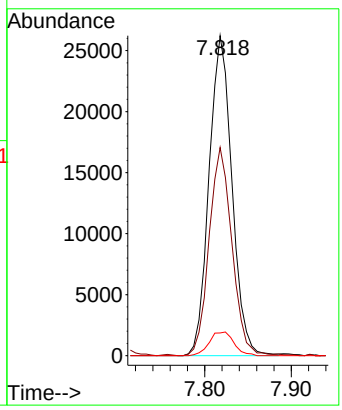


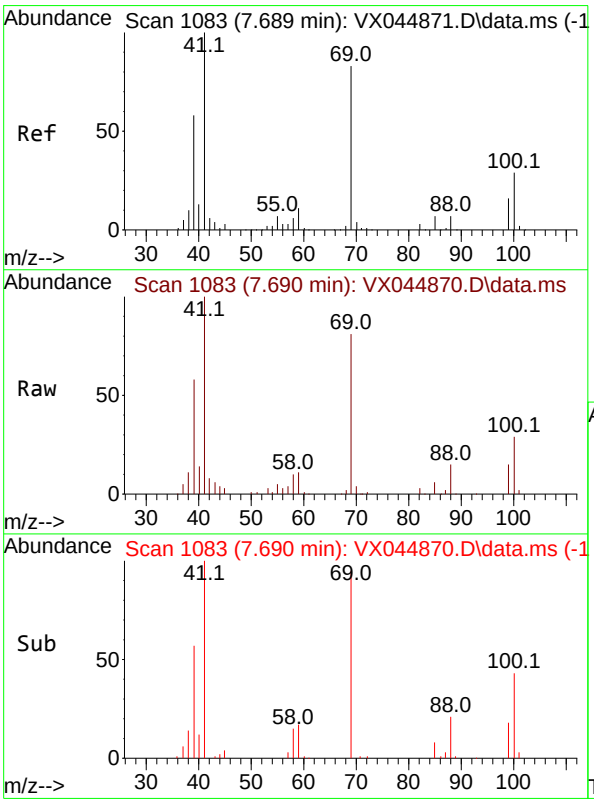
#47
Bromodichloromethane
Concen: 21.012 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 48202

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.0	75.0
127	7.1	6.4	9.6

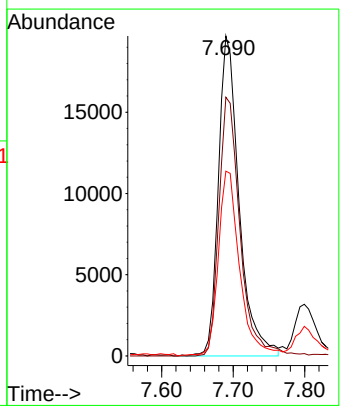


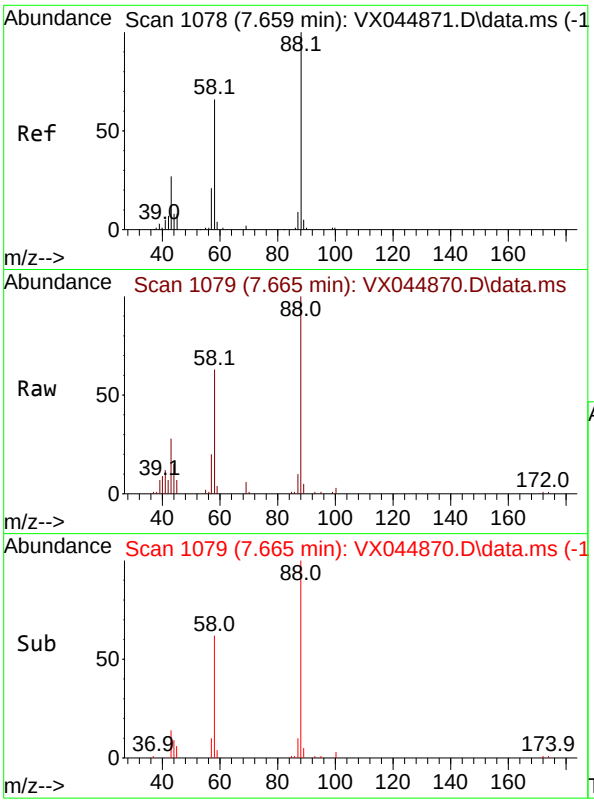


#48
Methyl methacrylate
Concen: 21.341 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 39747

Ion	Ratio	Lower	Upper
41	100		
69	82.5	65.8	98.8
39	58.2	46.4	69.6



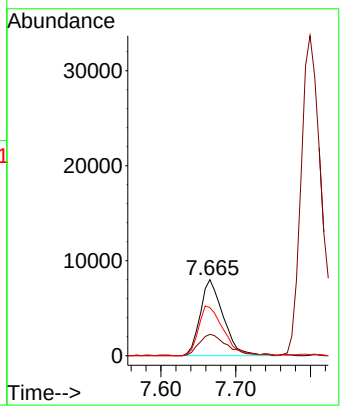


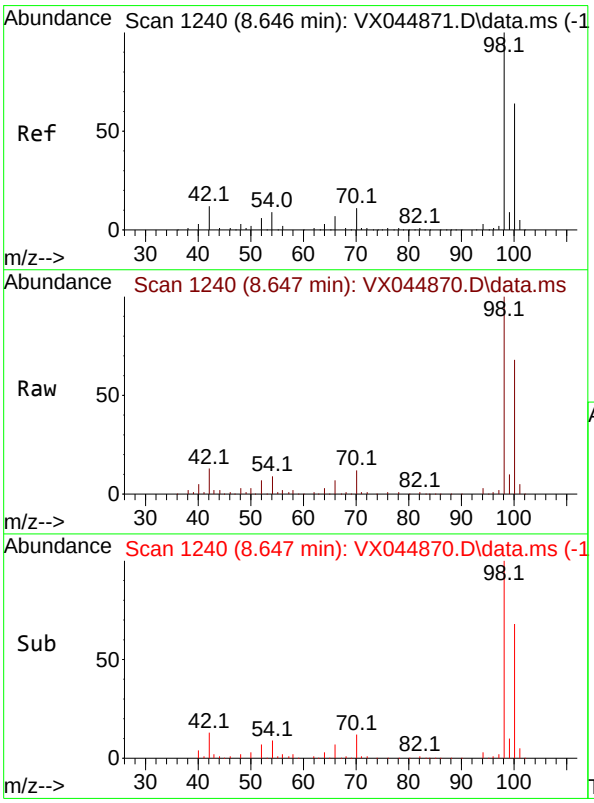
#49
1,4-Dioxane
Concen: 429.262 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 17153

Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.6	39.8
58	69.3	55.9	83.9

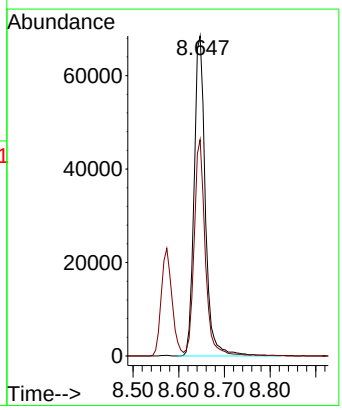


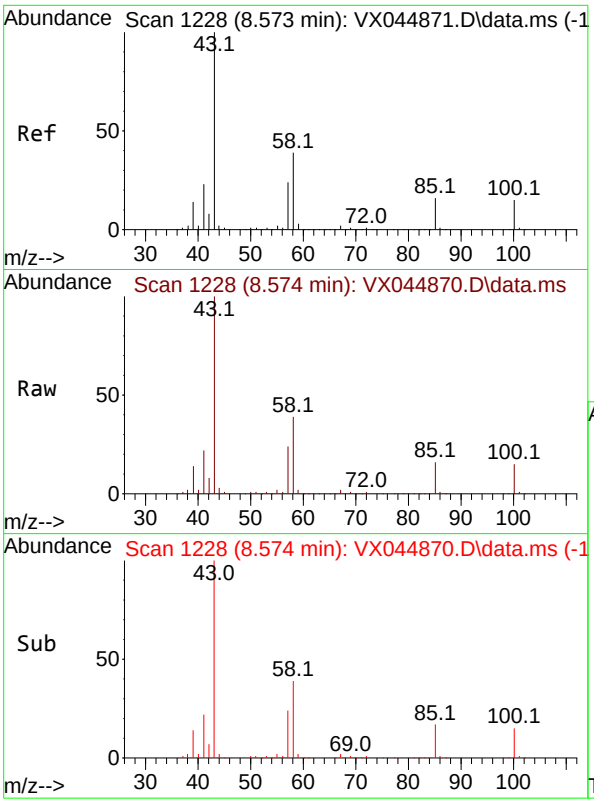


#50
Toluene-d8
Concen: 20.321 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 98 Resp: 117127

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1



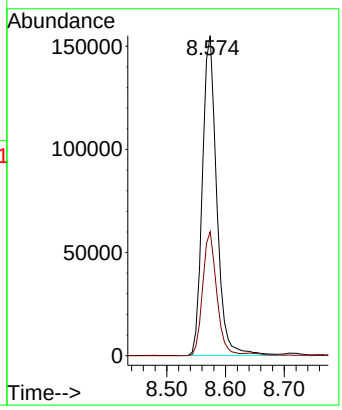


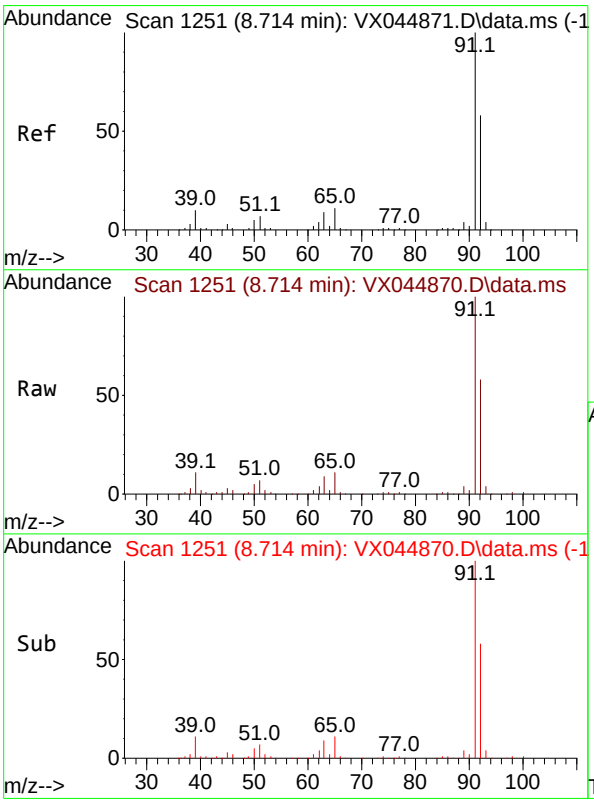
#51
4-Methyl-2-Pentanone
Concen: 109.684 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 263394

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.8	46.2

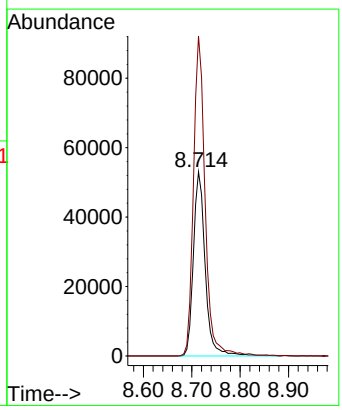


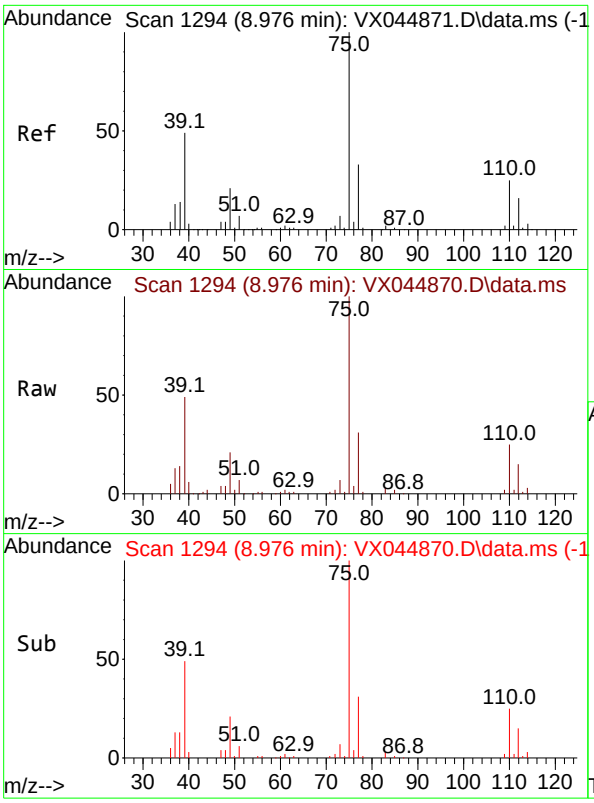


#52
Toluene
Concen: 21.940 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 92 Resp: 89726

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.4	206.2



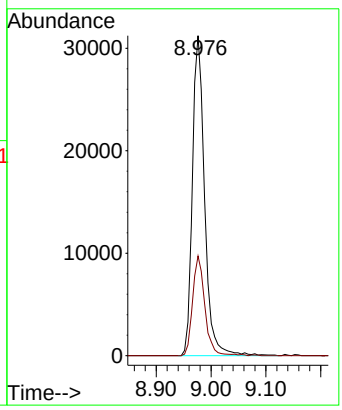


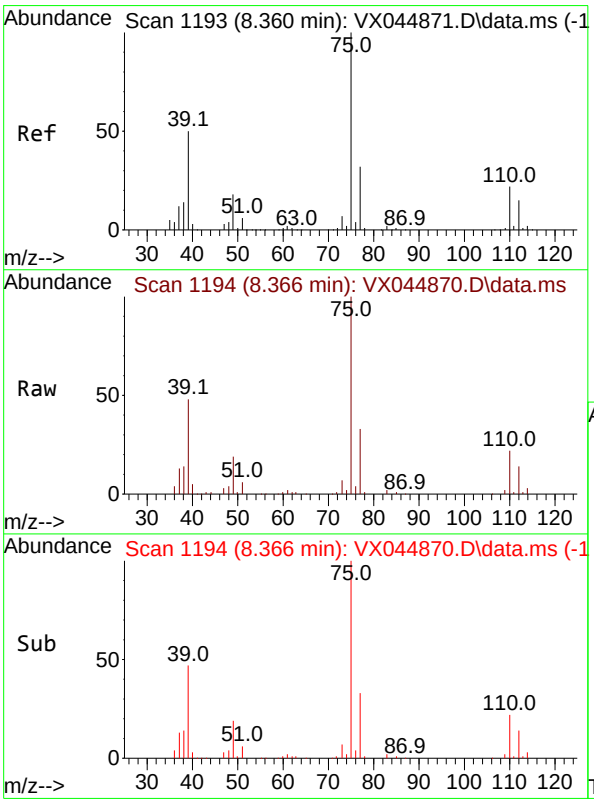
#53
t-1,3-Dichloropropene
Concen: 20.940 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 48613

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0

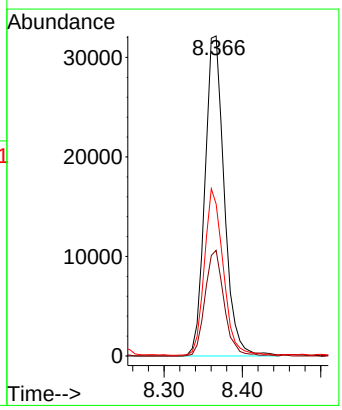


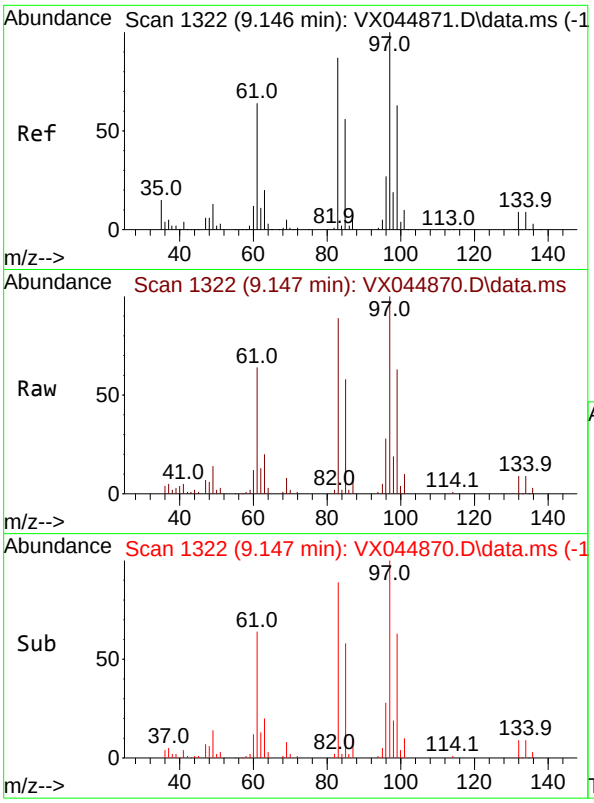


#54
cis-1,3-Dichloropropene
Concen: 21.259 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 55026

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9
39	47.3	40.0	60.0



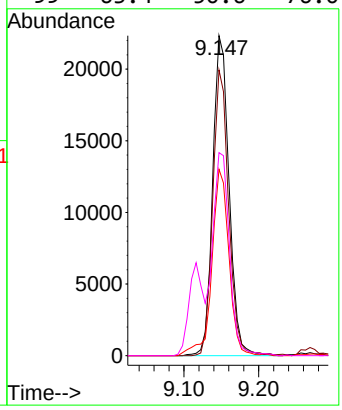


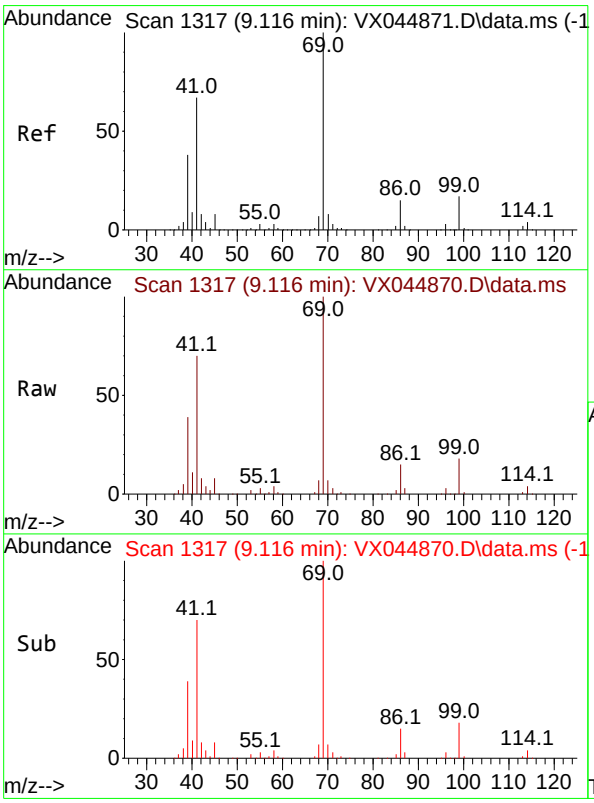
#55
1,1,2-Trichloroethane
Concen: 21.582 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 33930

Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.8	104.6
85	58.3	44.8	67.2
99	63.4	50.6	76.0

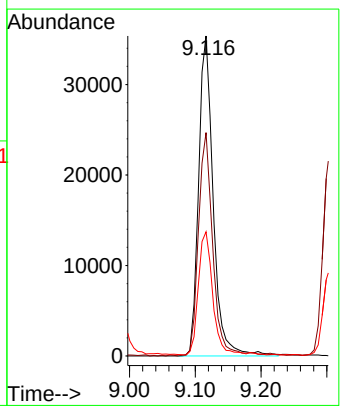


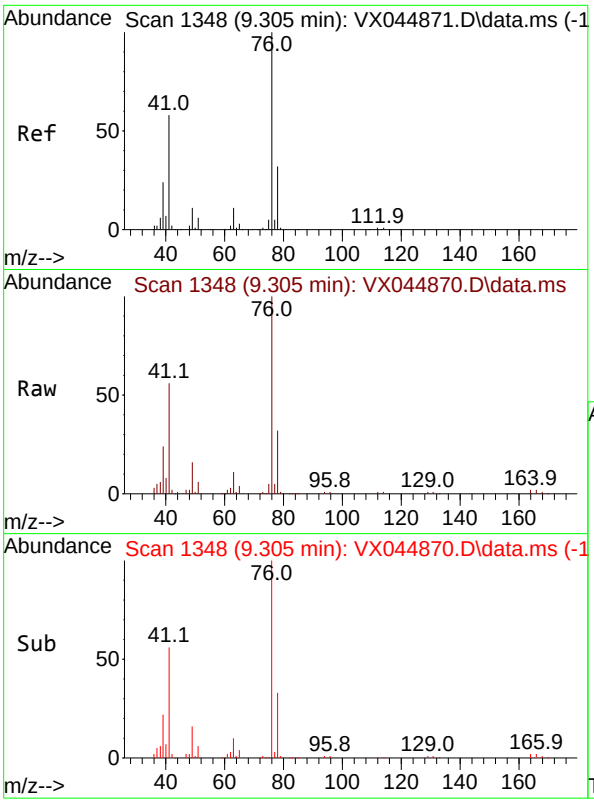


#56
Ethyl methacrylate
Concen: 21.533 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 69 Resp: 54674

Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.2	82.8
39	37.4	30.8	46.2



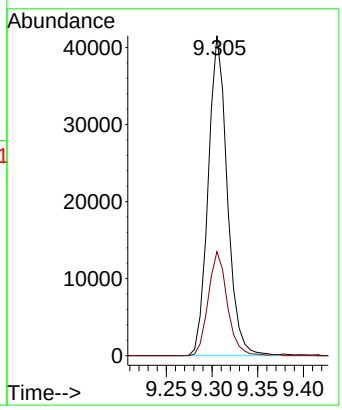


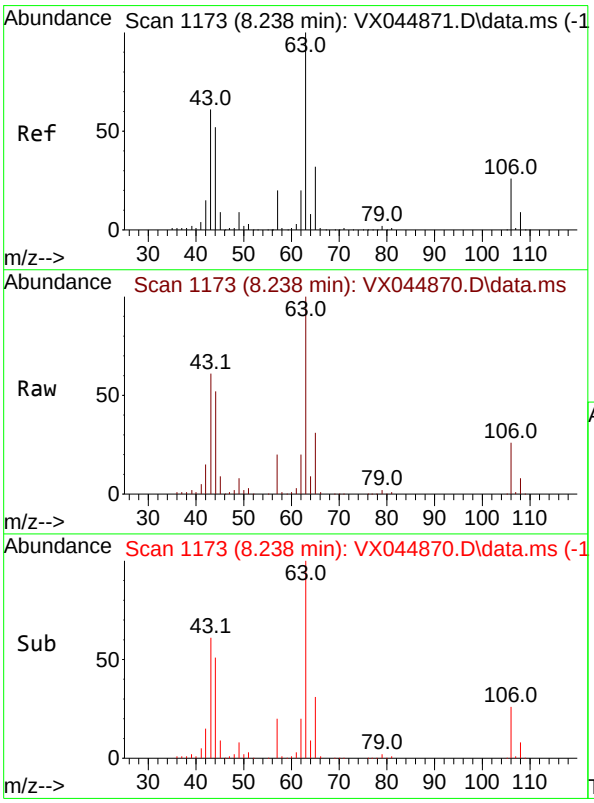
#57
1,3-Dichloropropane
Concen: 21.841 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 60079

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

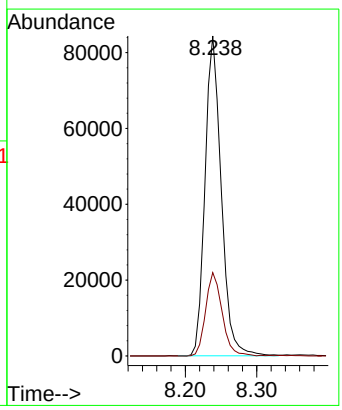


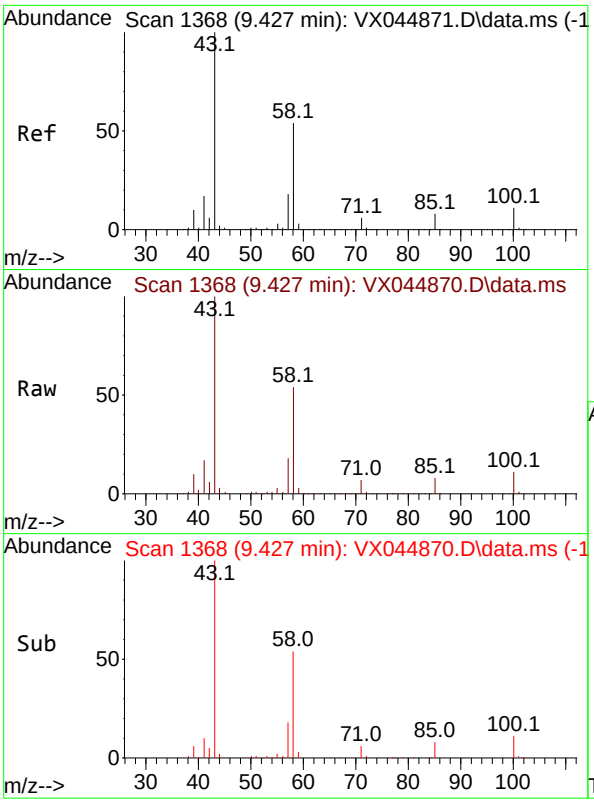


#58
2-Chloroethyl Vinyl ether
Concen: 106.736 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 63 Resp: 133072

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9



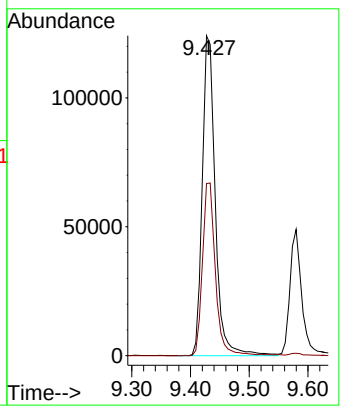


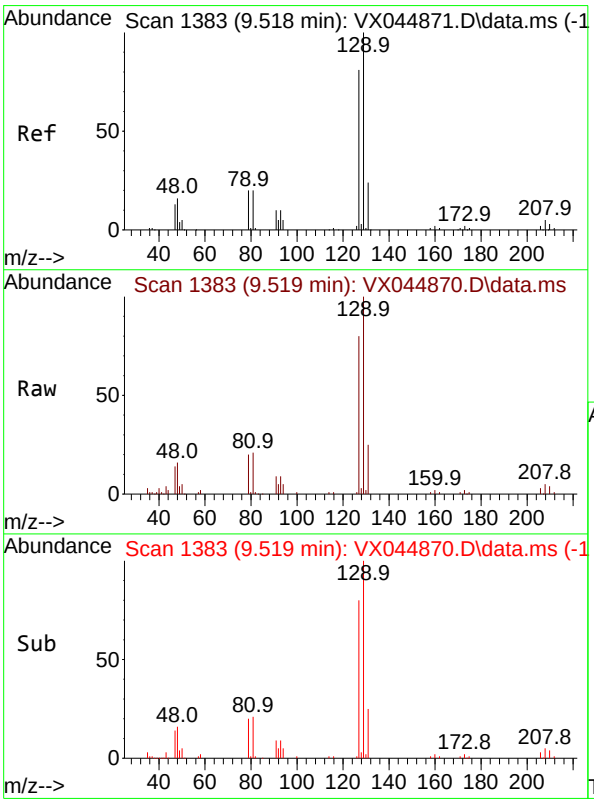
#59
2-Hexanone
Concen: 110.072 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 190449

Ion	Ratio	Lower	Upper
43	100		
58	53.5	27.5	82.4

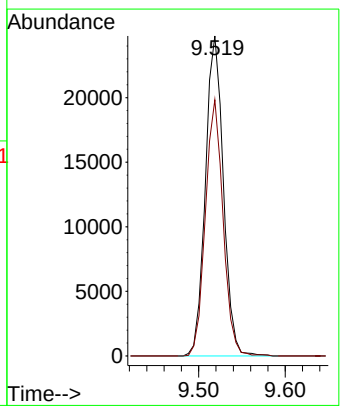


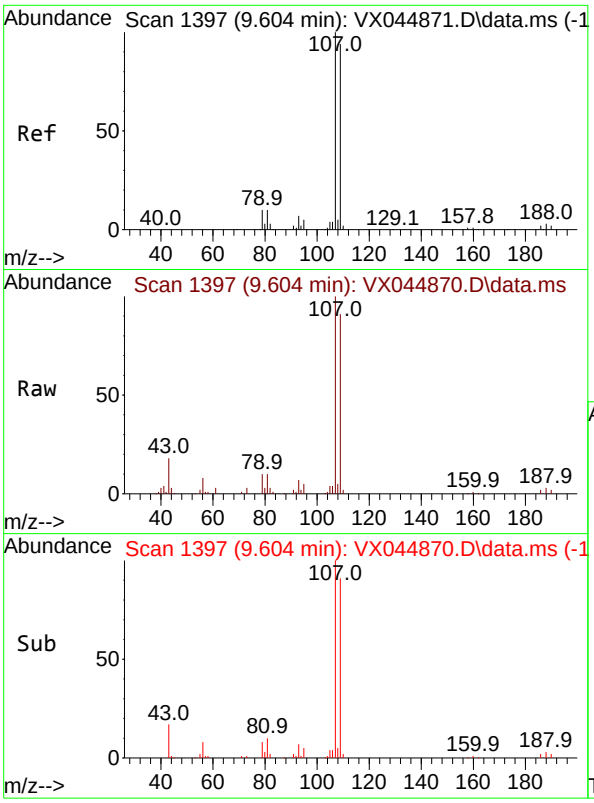


#60
Dibromochloromethane
Concen: 21.237 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:129 Resp: 35706

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.3



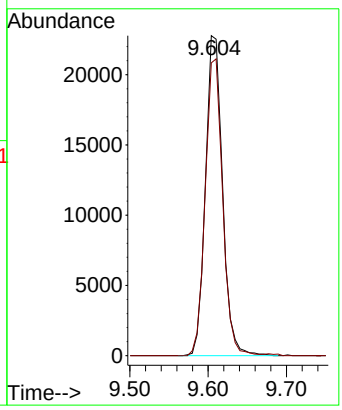


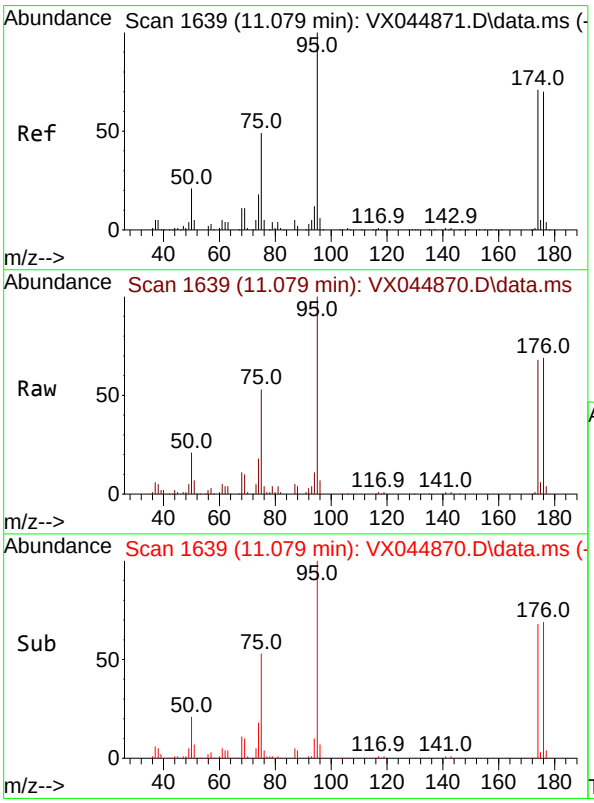
#61
1,2-Dibromoethane
Concen: 21.628 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 34463

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.9	113.9

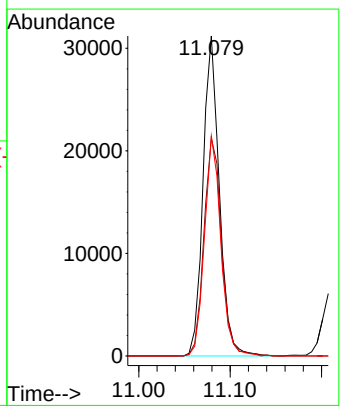


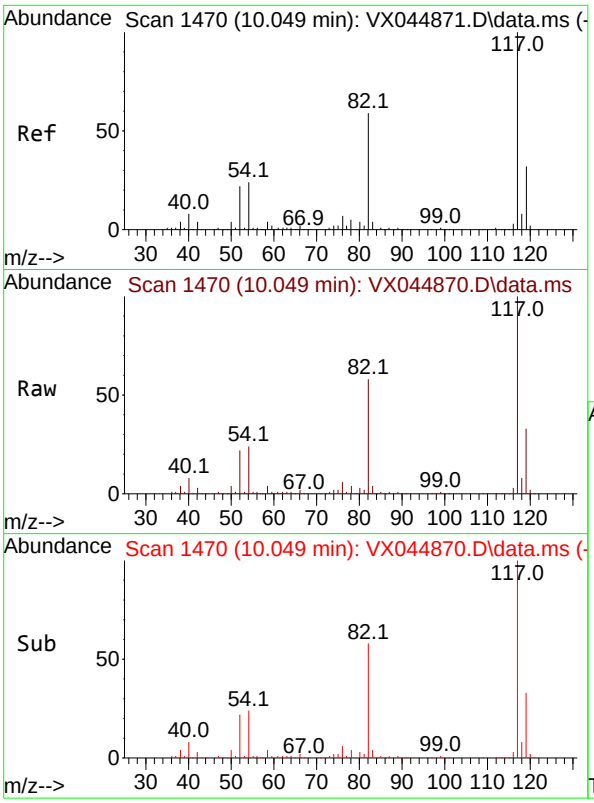


#62
4-Bromofluorobenzene
Concen: 19.800 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 95 Resp: 38475

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	142.6
176	69.0	0.0	141.6



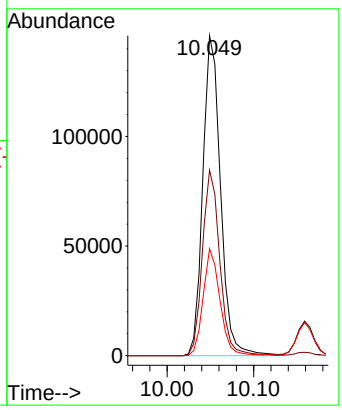


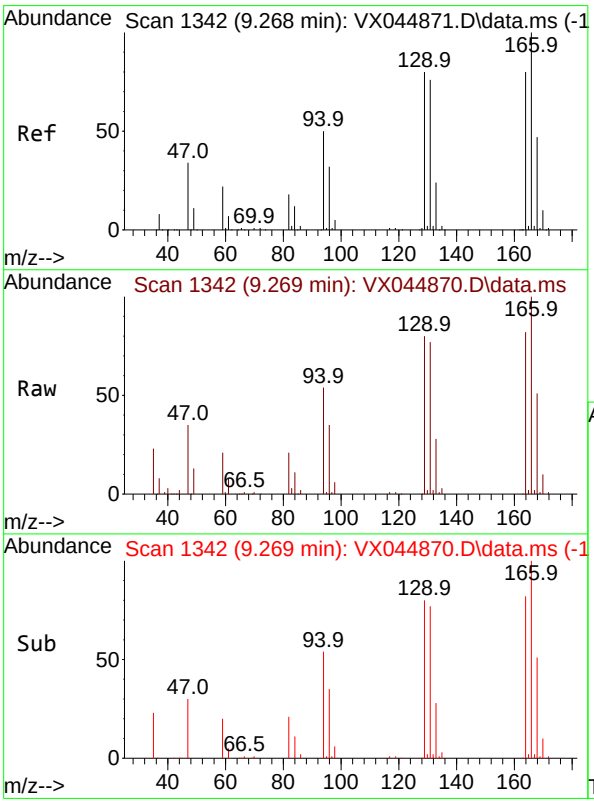
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 207667

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.5	71.3
119	33.4	25.4	38.0

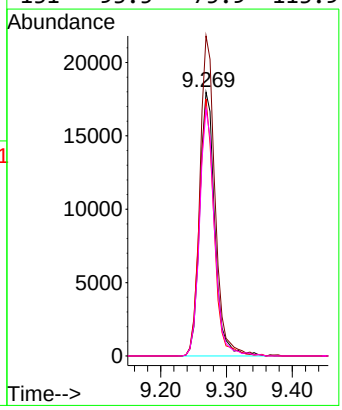


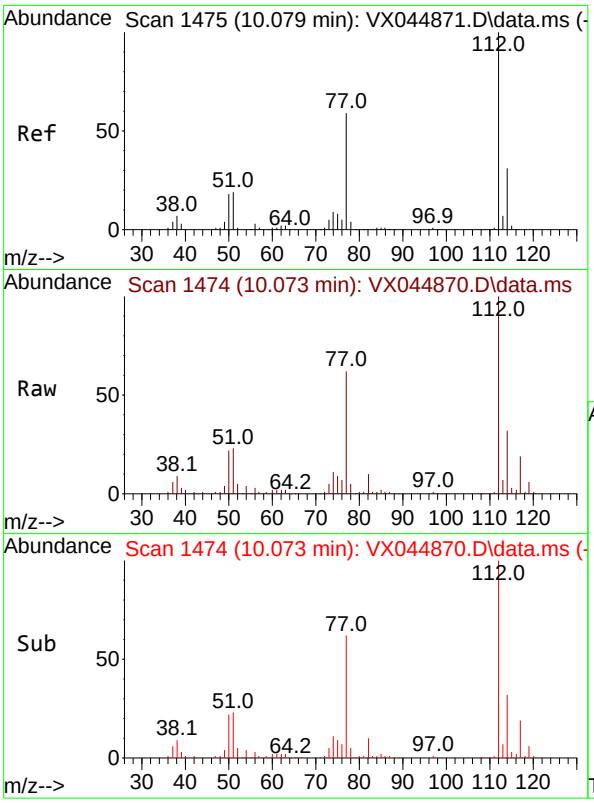


#64
Tetrachloroethene
Concen: 21.776 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:164 Resp: 28519

Ion	Ratio	Lower	Upper
164	100		
166	121.4	100.4	150.6
129	97.6	79.9	119.9
131	93.5	75.9	113.9



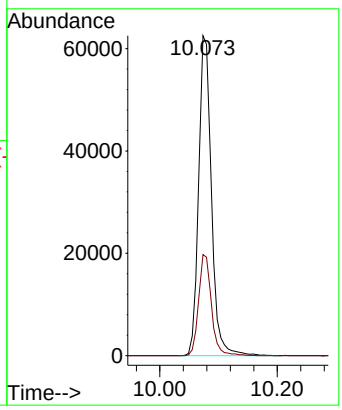


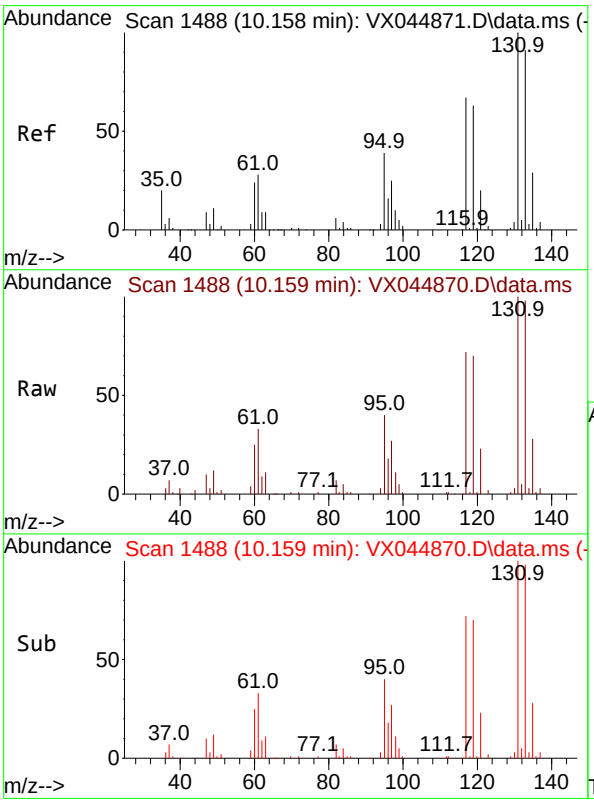
#65
Chlorobenzene
Concen: 21.230 ug/l
RT: 10.073 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 94695

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.6

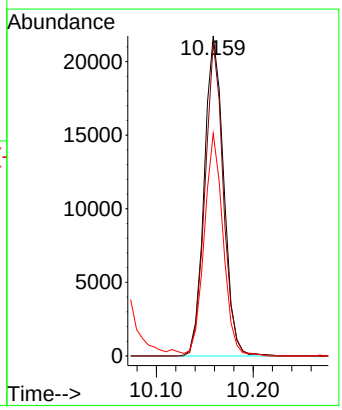


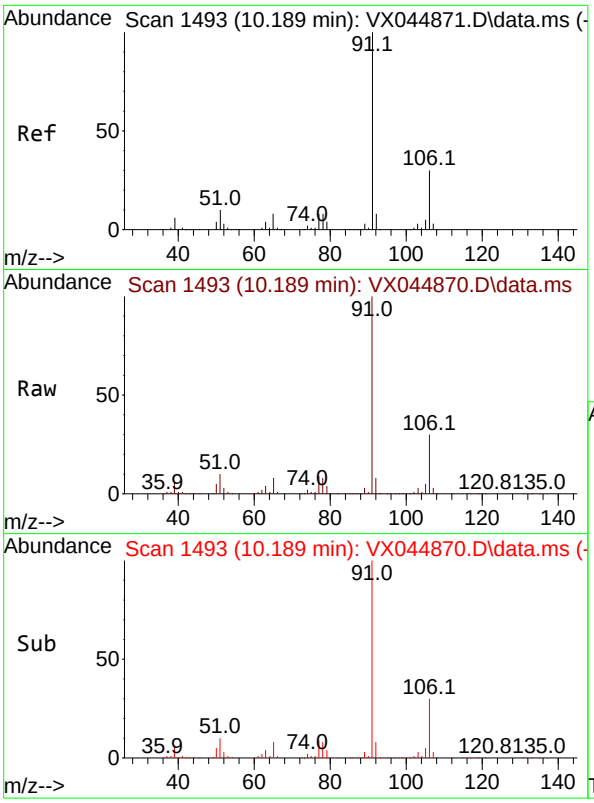


#66
1,1,1,2-Tetrachloroethane
Concen: 21.136 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:131 Resp: 30344

Ion	Ratio	Lower	Upper
131	100		
133	92.9	47.1	141.3
119	67.4	33.6	100.6



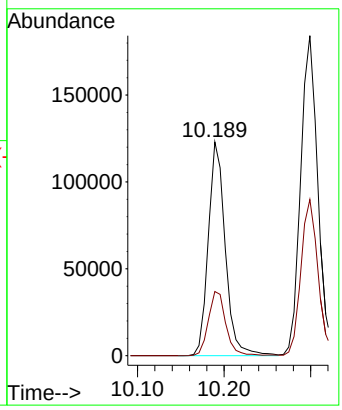


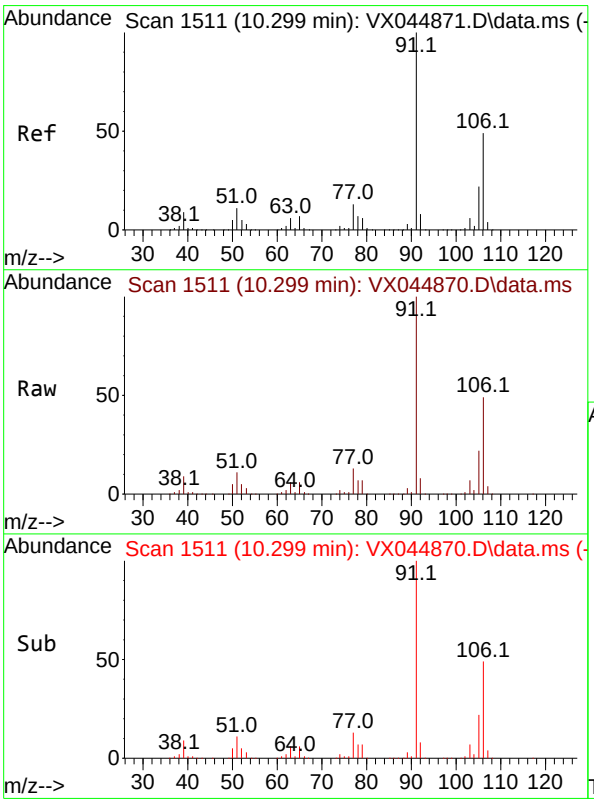
#67
Ethyl Benzene
Concen: 21.327 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 167865

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

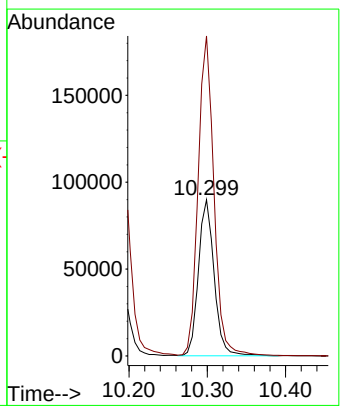


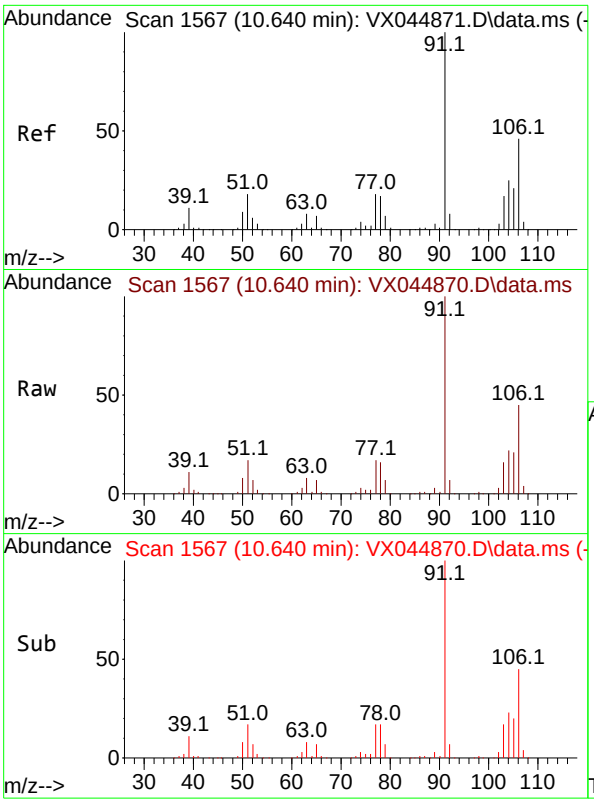


#68
m/p-Xylenes
Concen: 43.144 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:106 Resp: 125271

Ion	Ratio	Lower	Upper
106	100		
91	206.3	164.3	246.5



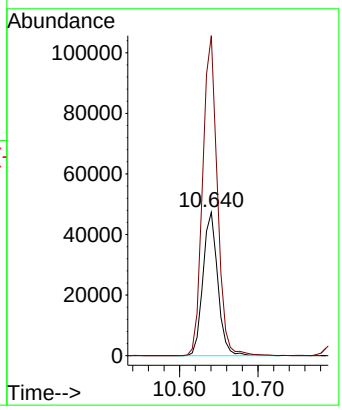


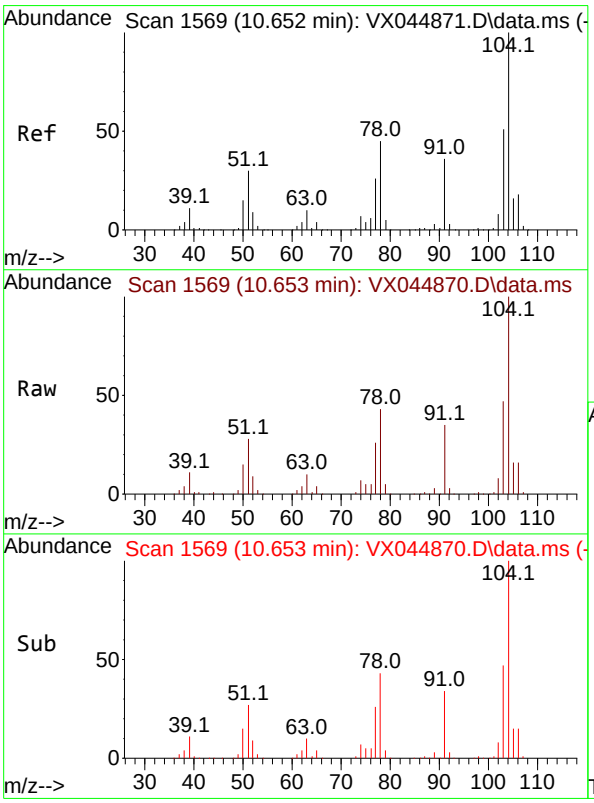
#69
o-Xylene
Concen: 21.310 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 62087

Ion	Ratio	Lower	Upper
106	100		
91	221.5	108.5	325.5

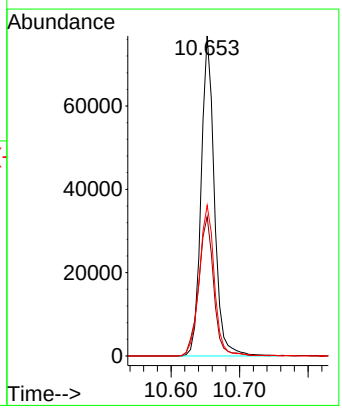


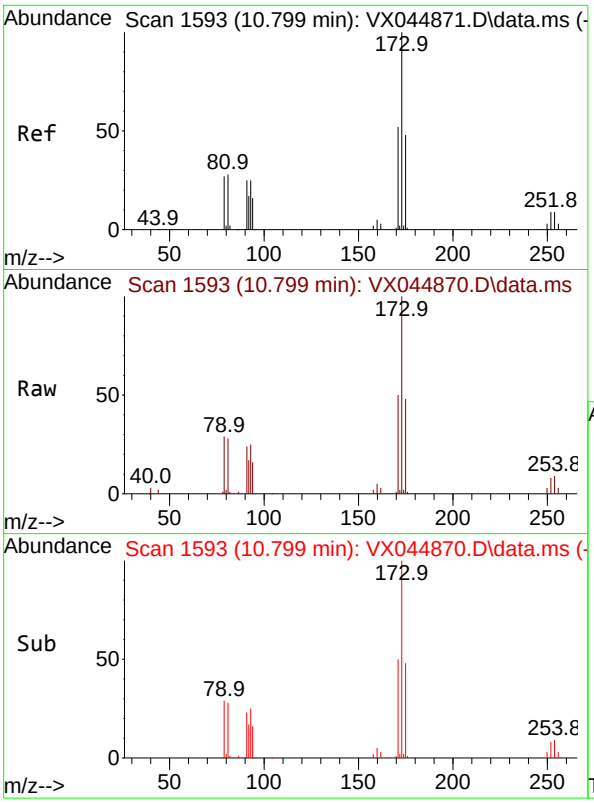


#70
Styrene
Concen: 22.101 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:104 Resp: 103740

Ion	Ratio	Lower	Upper
104	100		
78	49.2	40.5	60.7
103	53.5	43.6	65.4



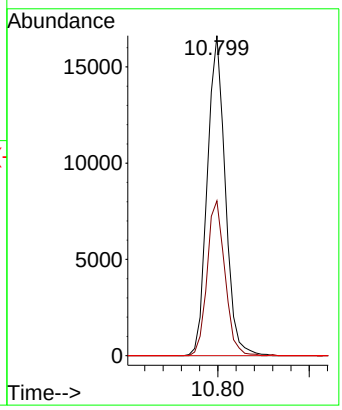


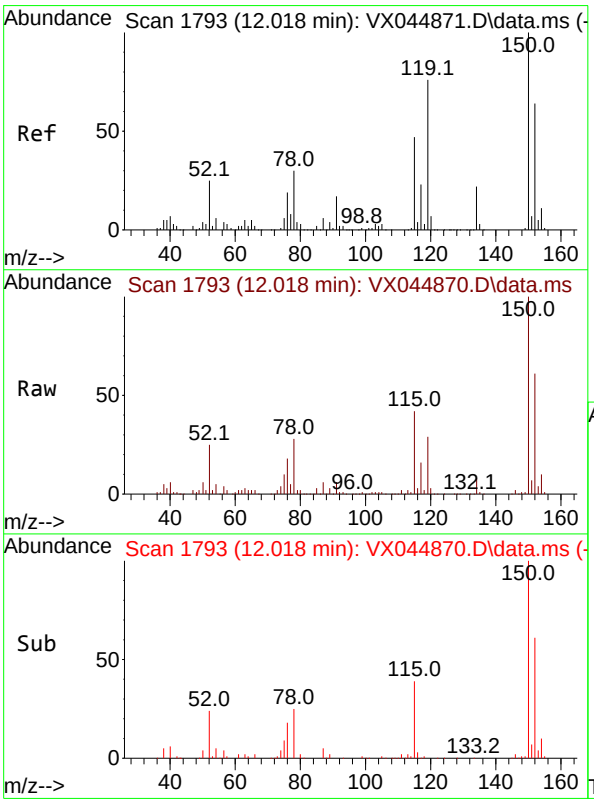
#71
Bromoform
Concen: 21.086 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 22592

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.8
254	0.0	0.0	0.0

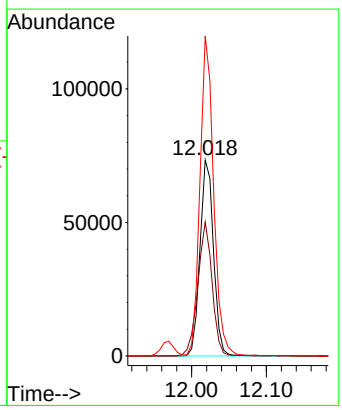


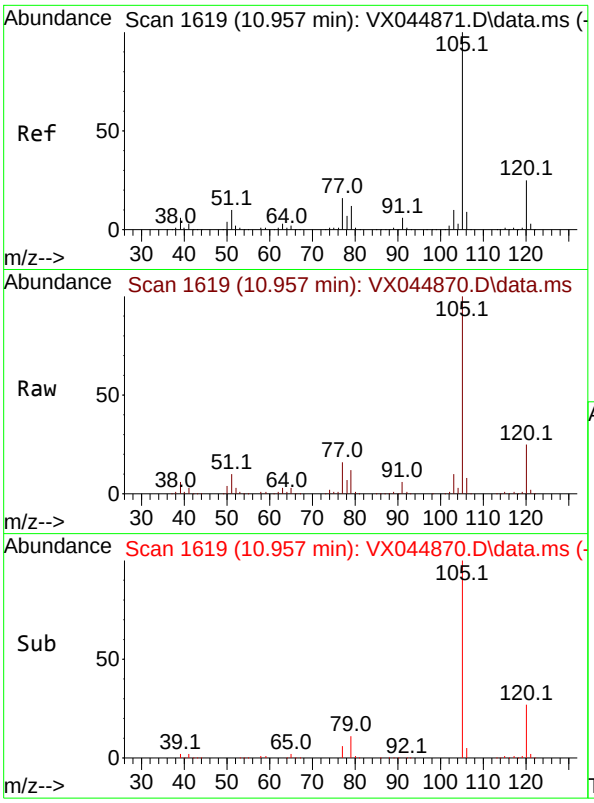


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:152 Resp: 92093

Ion	Ratio	Lower	Upper
152	100		
115	72.4	43.4	130.1
150	164.8	0.0	350.4



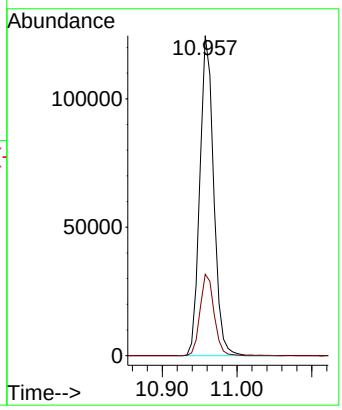


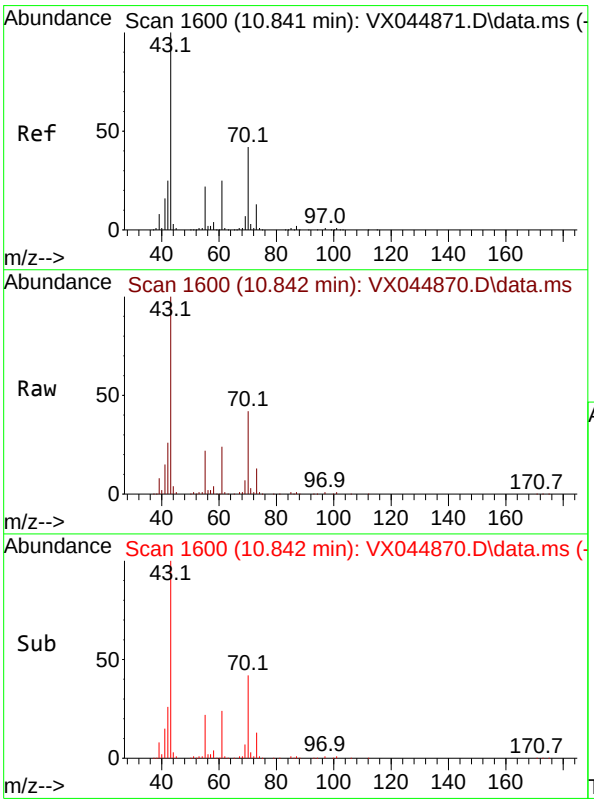
#73
Isopropylbenzene
Concen: 21.597 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 160147

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.2	39.5

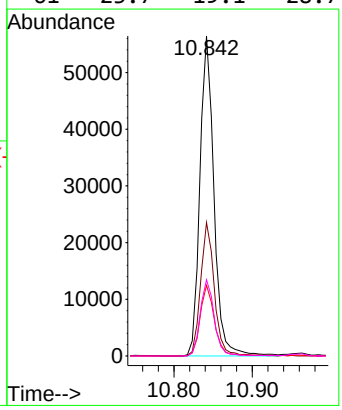


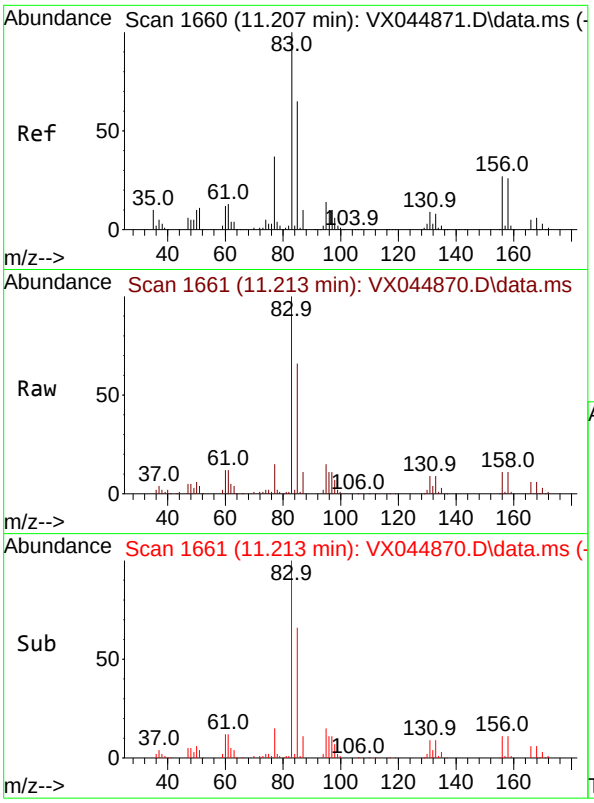


#74
N-amyl acetate
Concen: 21.023 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 70542

Ion	Ratio	Lower	Upper
43	100		
70	40.7	33.7	50.5
55	22.4	18.6	27.8
61	23.7	19.1	28.7



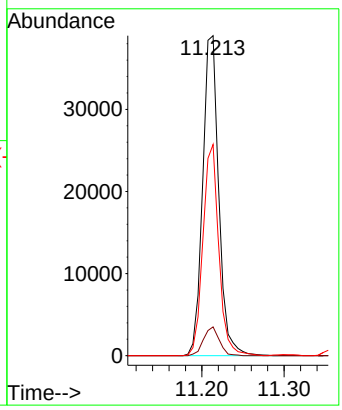


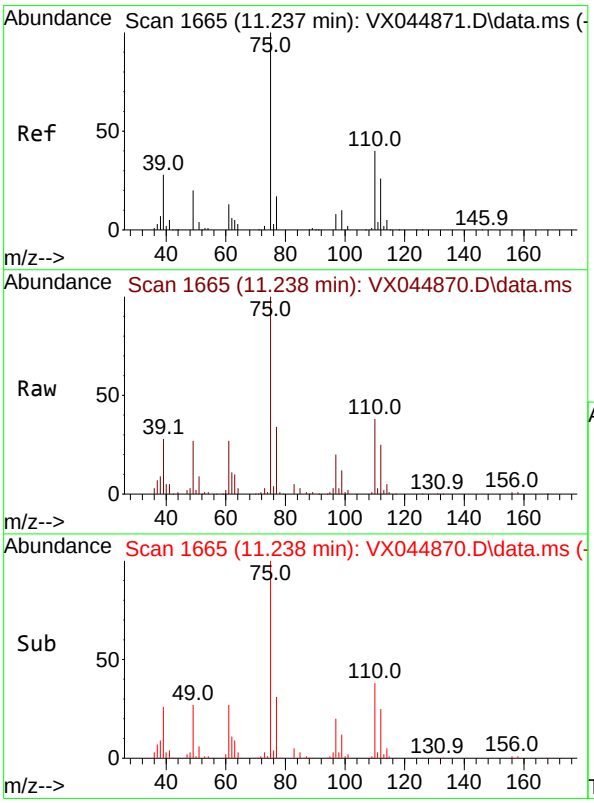
#75
1,1,2,2-Tetrachloroethane
Concen: 20.787 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 52967

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.5	13.5
85	65.1	32.3	96.8

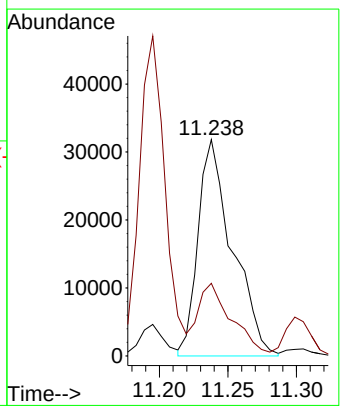


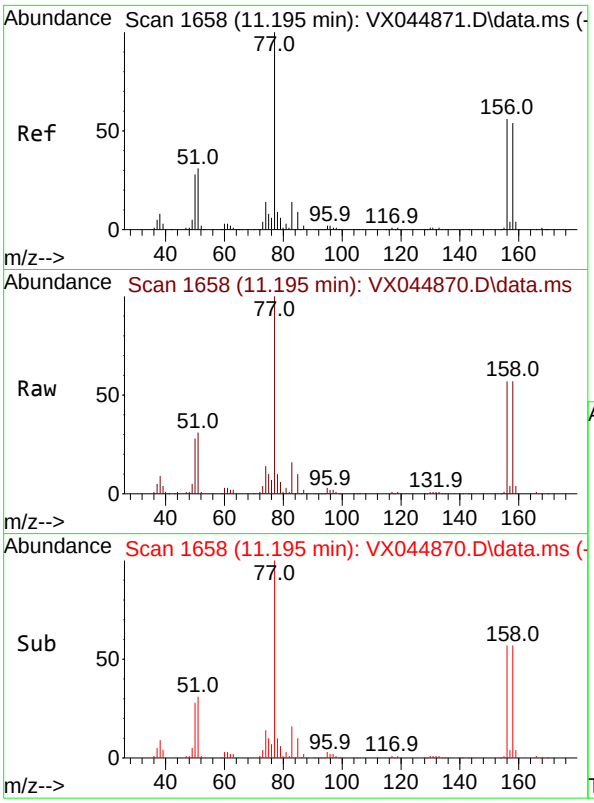


#76
1,2,3-Trichloropropane
Concen: 27.246 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 55632

Ion	Ratio	Lower	Upper
75	100		
77	33.0	21.9	65.7



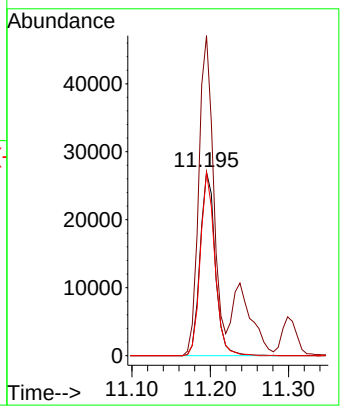


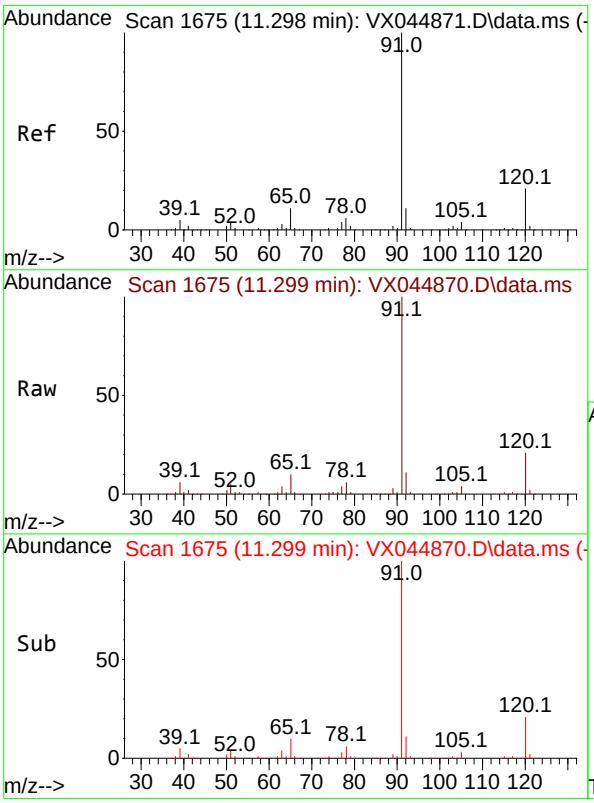
#77
Bromobenzene
Concen: 21.426 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 36021

Ion	Ratio	Lower	Upper
156	100		
77	171.1	88.4	265.3
158	96.8	48.4	145.2

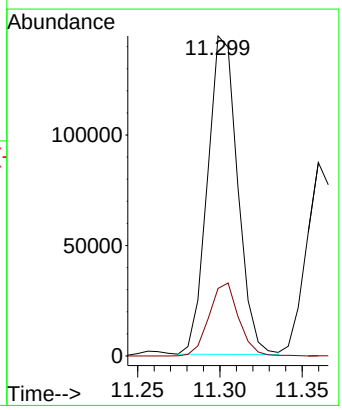


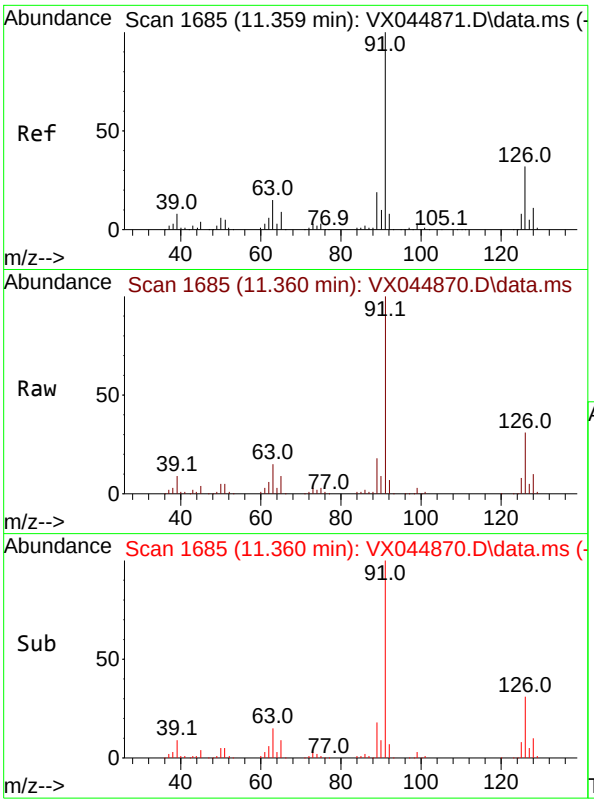


#78
n-propylbenzene
Concen: 21.406 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 183212

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.3



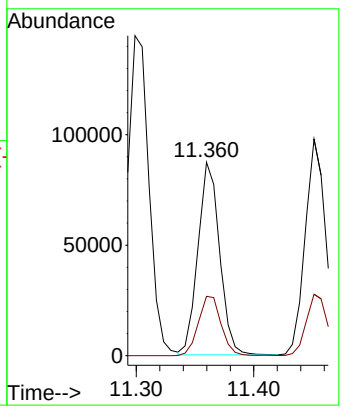


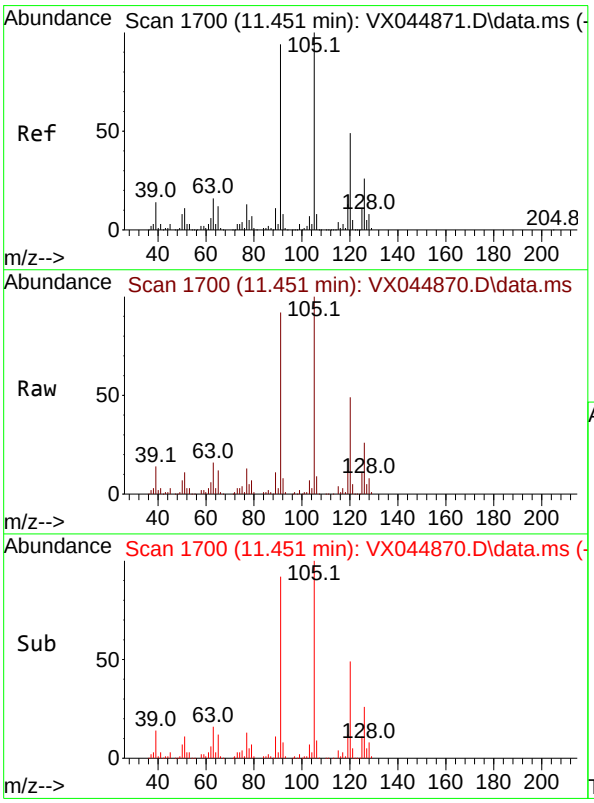
#79
2-Chlorotoluene
Concen: 21.250 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 111782

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.6

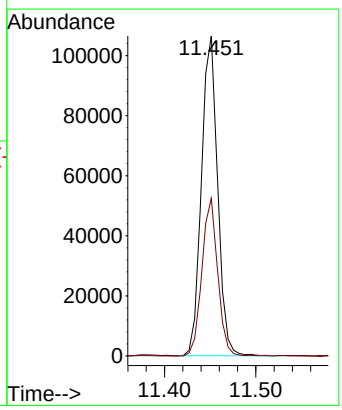


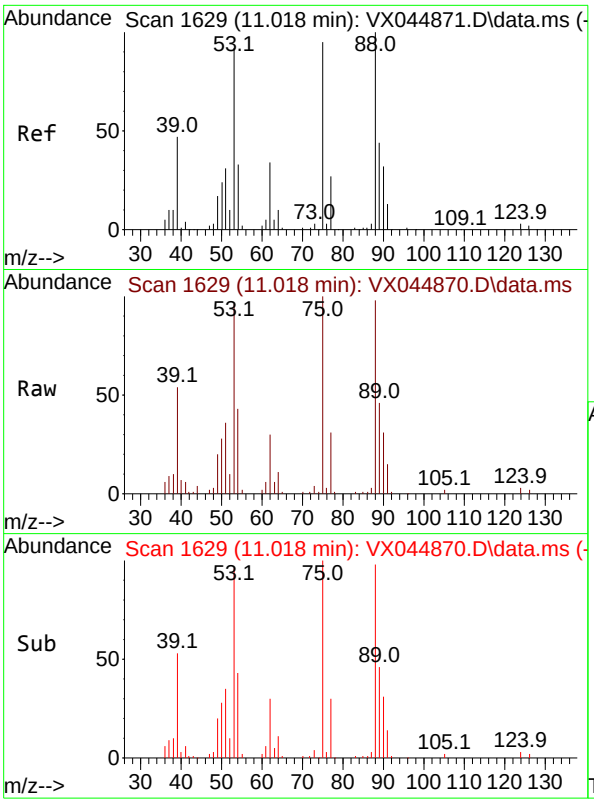


#80
1,3,5-Trimethylbenzene
Concen: 21.691 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:105 Resp: 130526

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.0	72.0



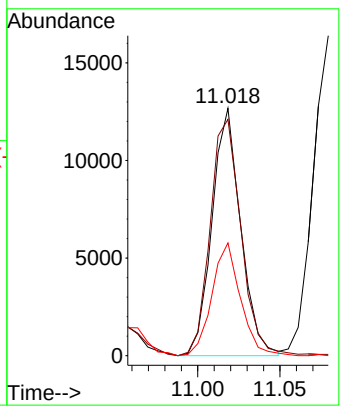


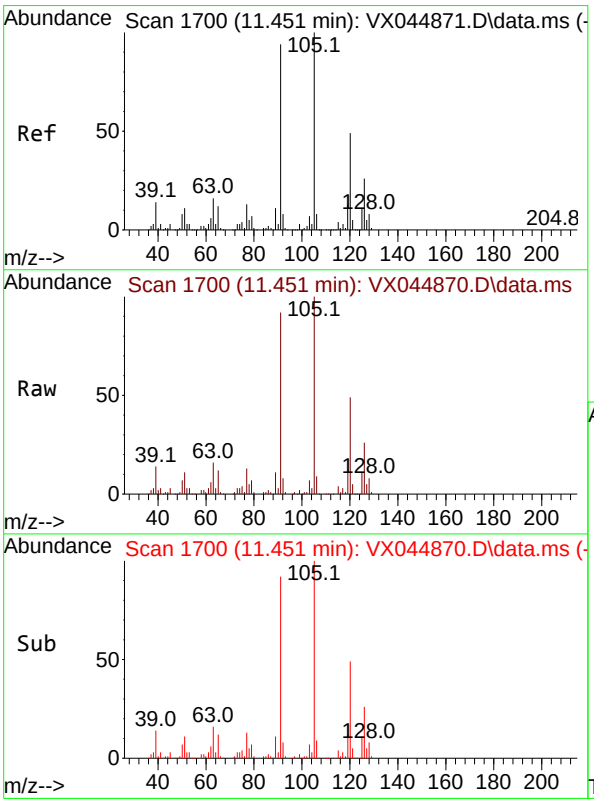
#81
trans-1,4-Dichloro-2-butene
Concen: 19.370 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 15375

Ion	Ratio	Lower	Upper
75	100		
53	103.3	78.0	117.0
89	45.3	36.6	54.8

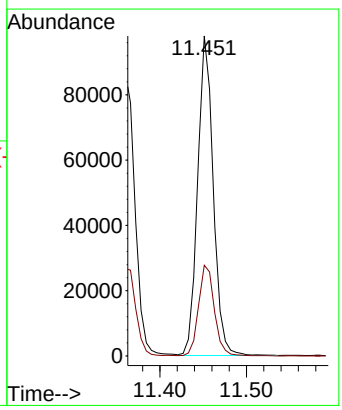


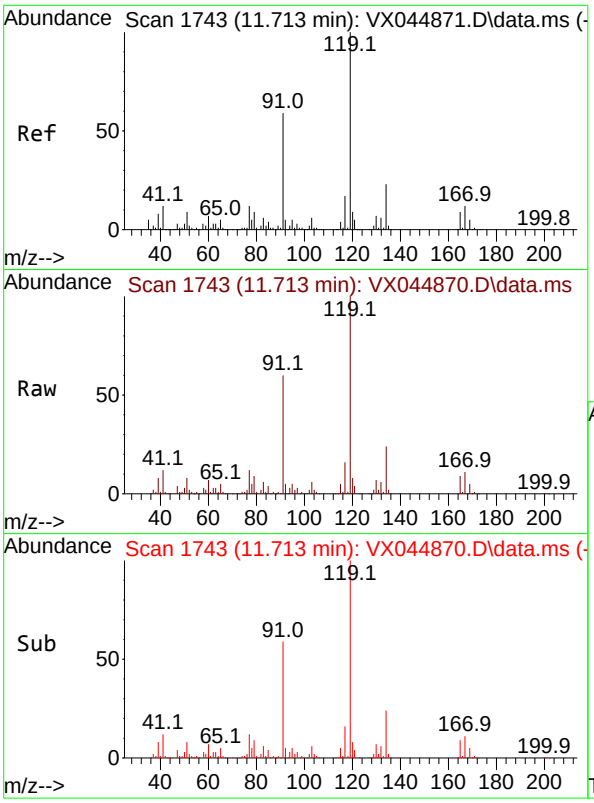


#82
4-Chlorotoluene
Concen: 21.016 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 122303

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



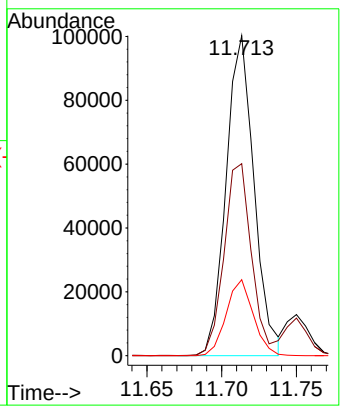


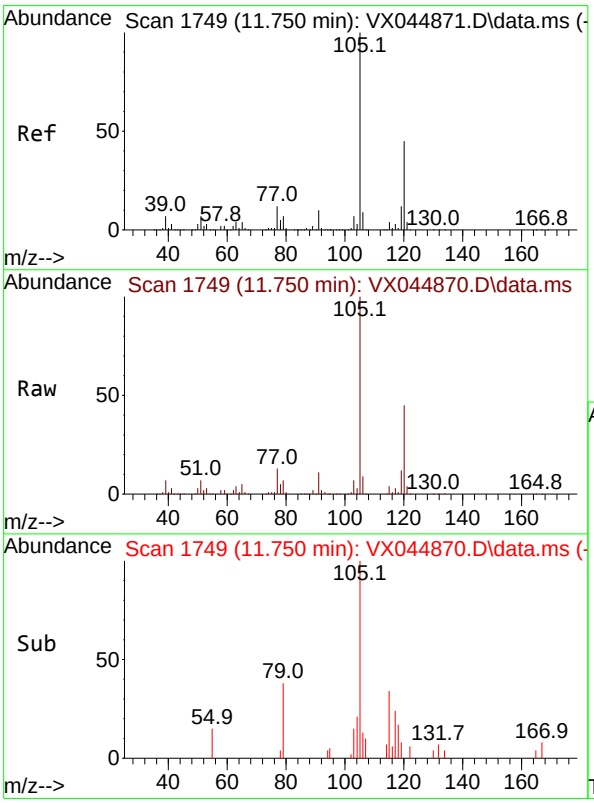
#83
tert-Butylbenzene
Concen: 21.414 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 130358

Ion	Ratio	Lower	Upper
119	100		
91	58.6	29.1	87.4
134	23.1	11.5	34.5

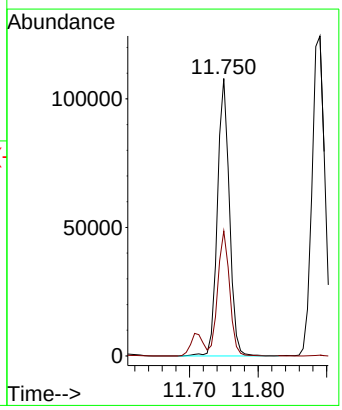


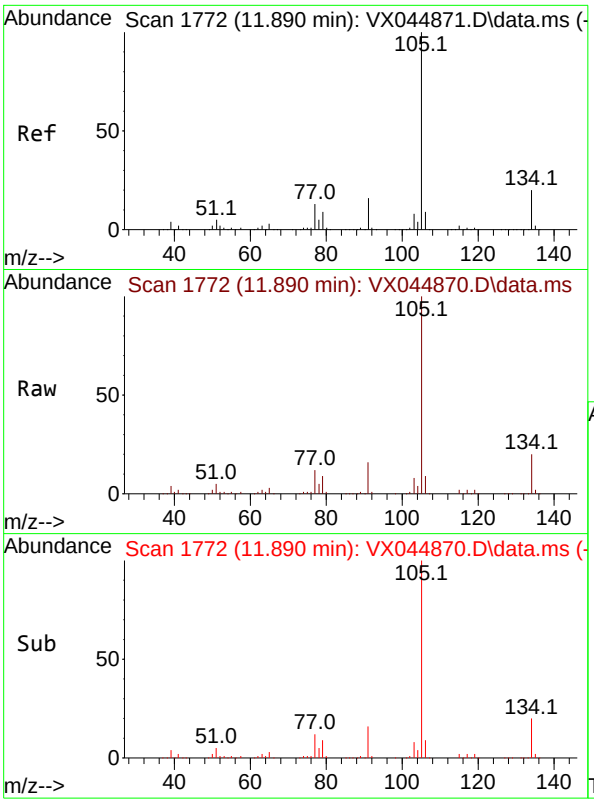


#84
1,2,4-Trimethylbenzene
Concen: 21.924 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:105 Resp: 130211

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.0



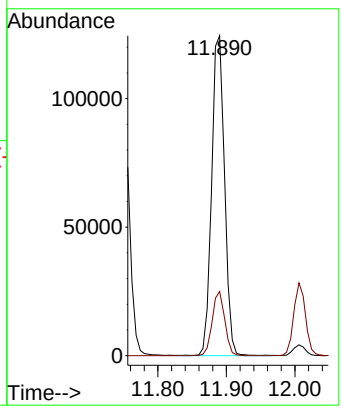


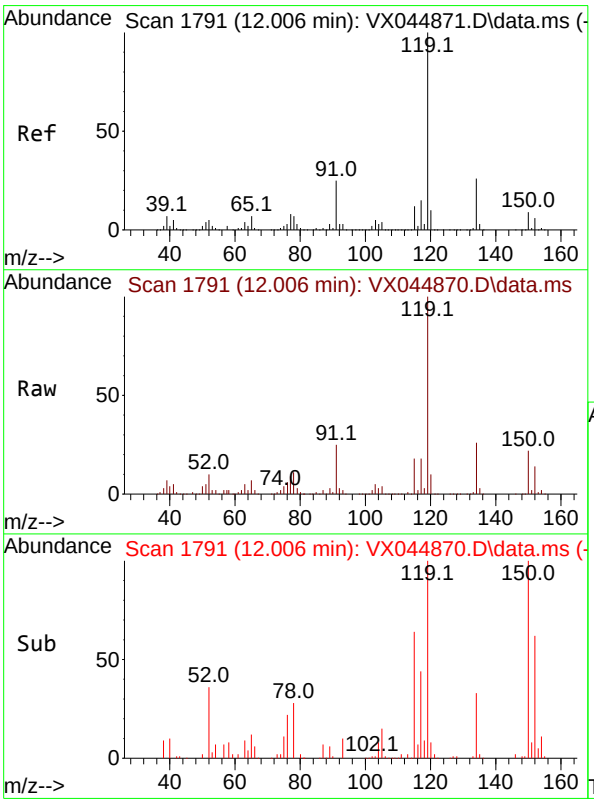
#85
sec-Butylbenzene
Concen: 21.607 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 162875

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

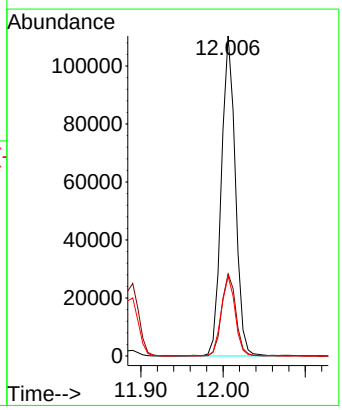


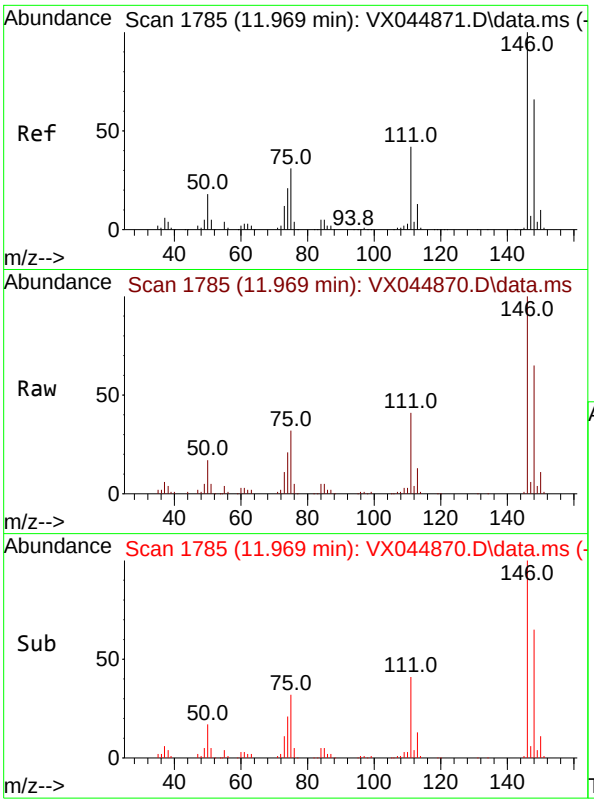


#86
p-Isopropyltoluene
Concen: 21.551 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:119 Resp: 130643

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.7	12.1	36.3



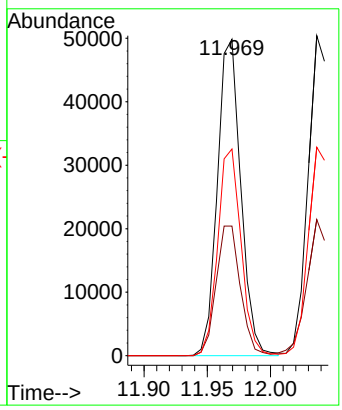


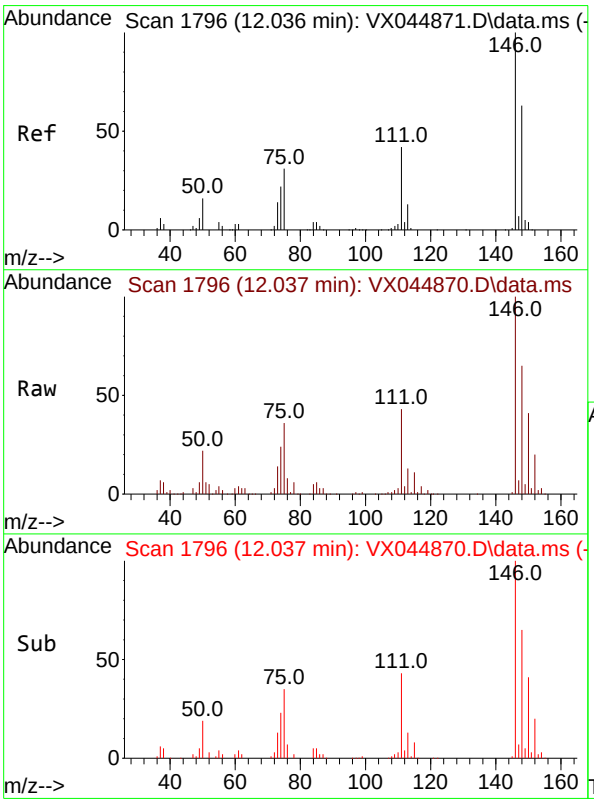
#87
1,3-Dichlorobenzene
Concen: 20.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 64141

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	65.2	32.5	97.5

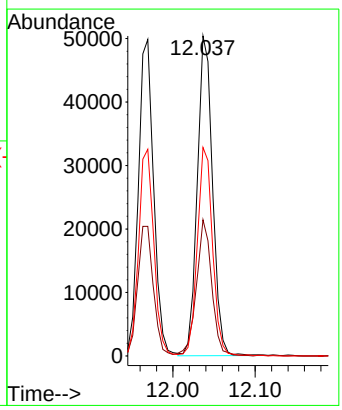


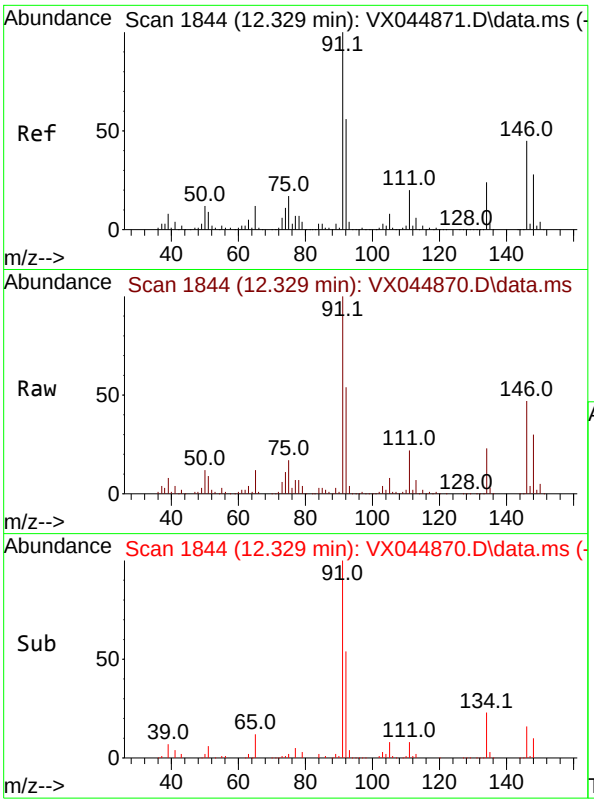


#88
1,4-Dichlorobenzene
Concen: 20.758 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:146 Resp: 64889

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.4	61.3
148	65.3	32.0	96.0



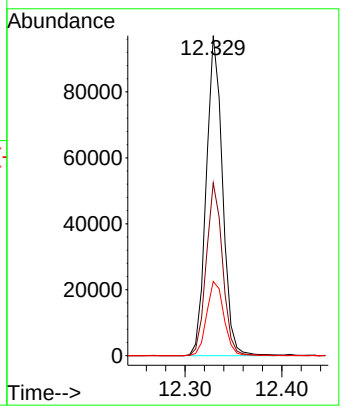


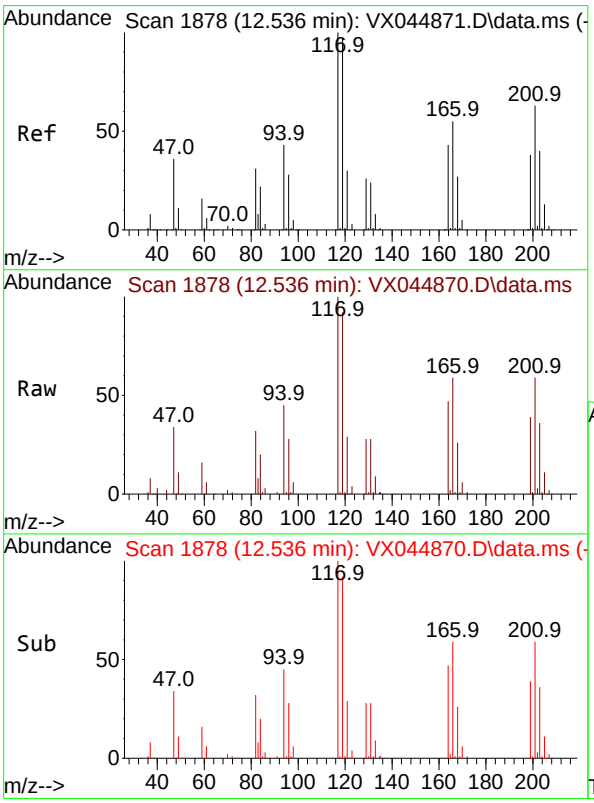
#89
n-Butylbenzene
Concen: 21.202 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 113705

Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.6
134	24.7	12.1	36.3

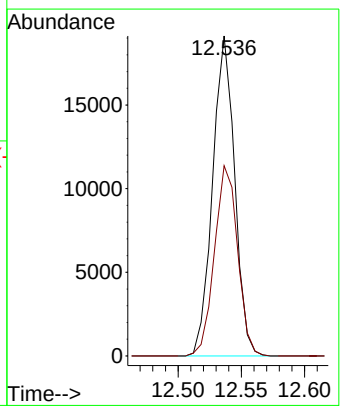


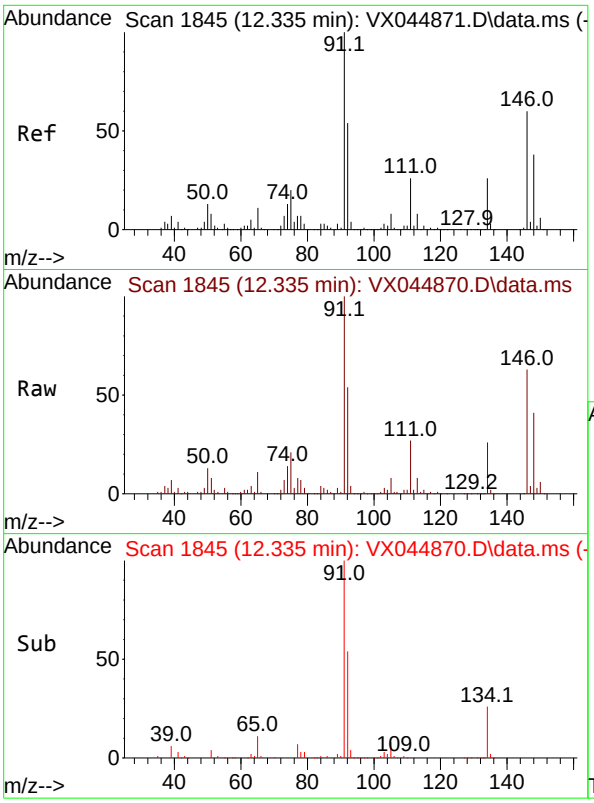


#90
Hexachloroethane
Concen: 20.398 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:117 Resp: 23153

Ion	Ratio	Lower	Upper
117	100		
201	62.4	32.5	97.5



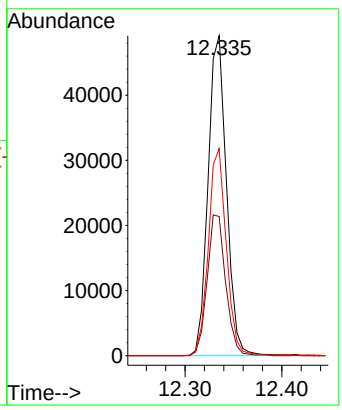


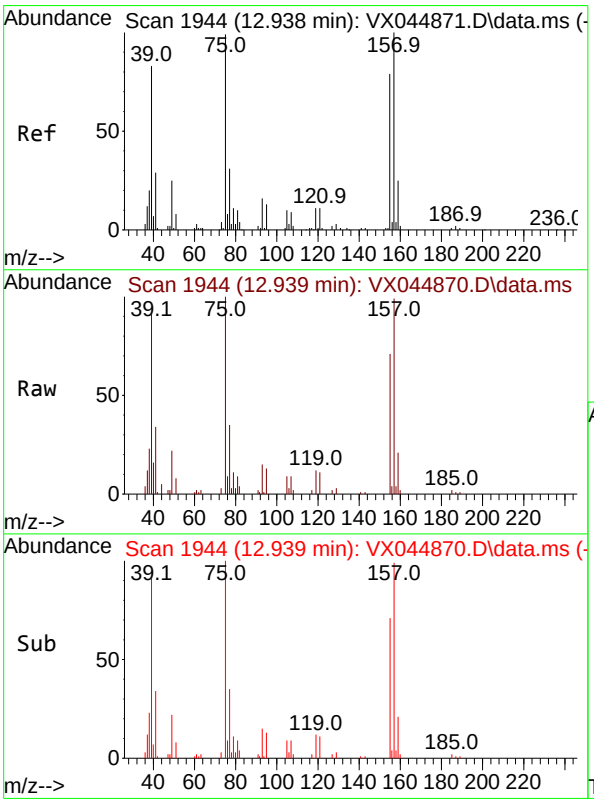
#91
1,2-Dichlorobenzene
Concen: 21.373 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 64940

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.4
148	63.3	31.9	95.9

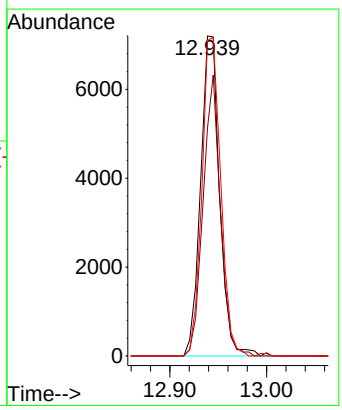


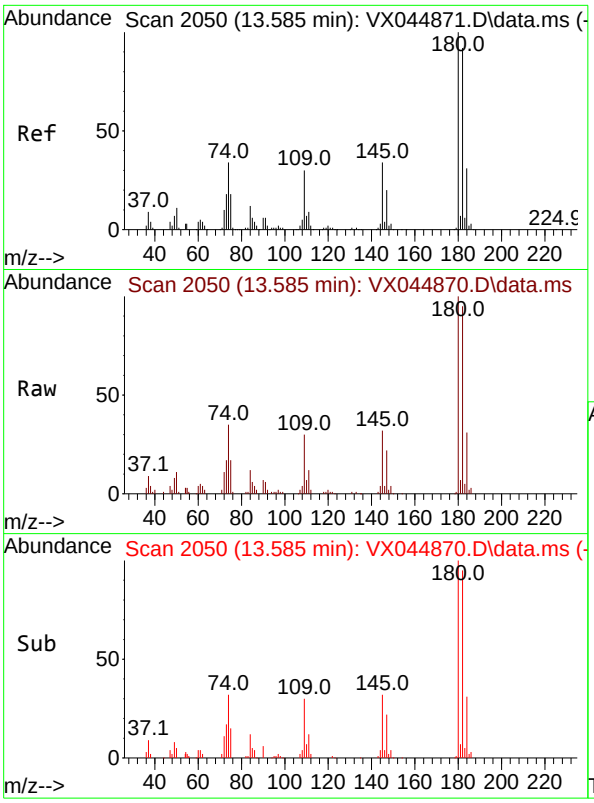


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.230 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 9873

Ion	Ratio	Lower	Upper
75	100		
155	79.8	40.5	121.4
157	98.3	51.4	154.3



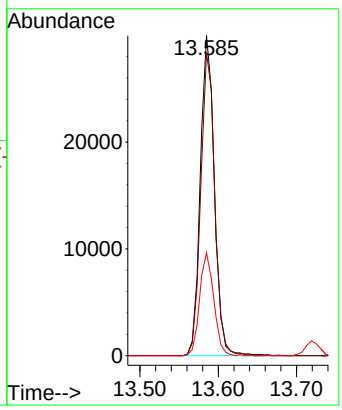


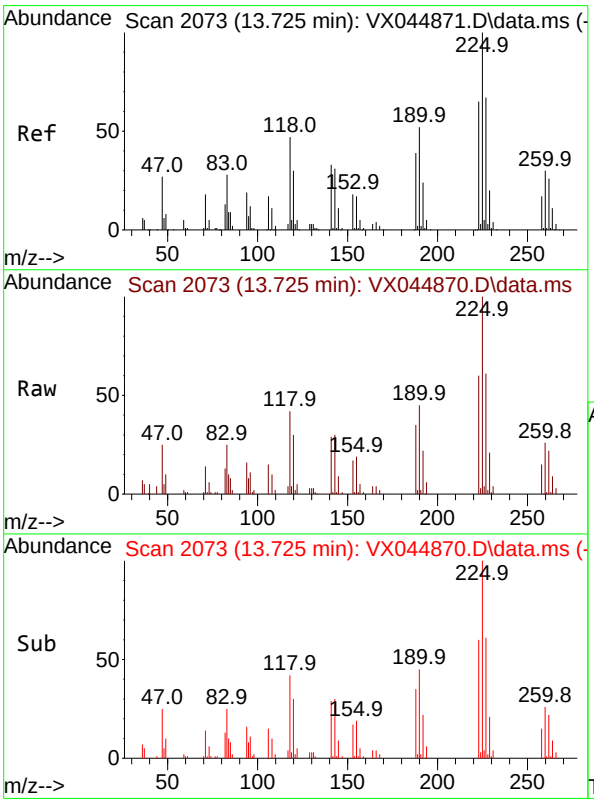
#93
1,2,4-Trichlorobenzene
Concen: 20.292 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 37308

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.6	142.8
145	32.4	16.4	49.1

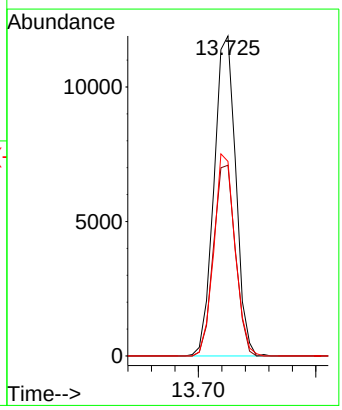


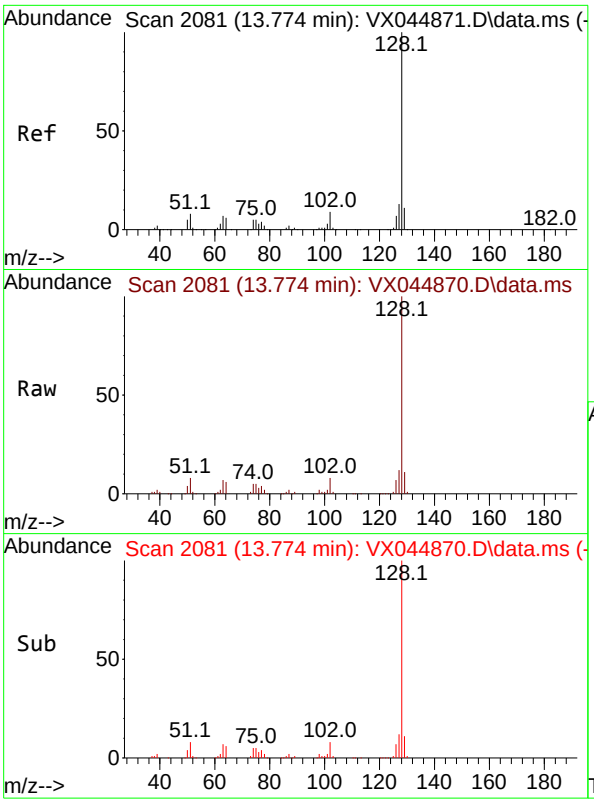


#94
Hexachlorobutadiene
Concen: 20.979 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:225 Resp: 15312

Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.4	94.2
227	61.4	32.3	96.8



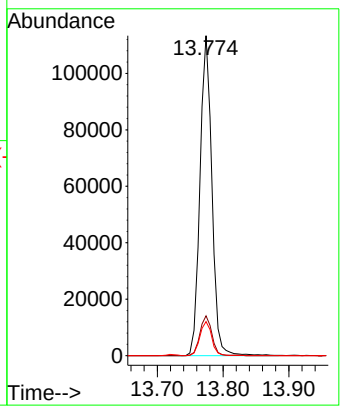


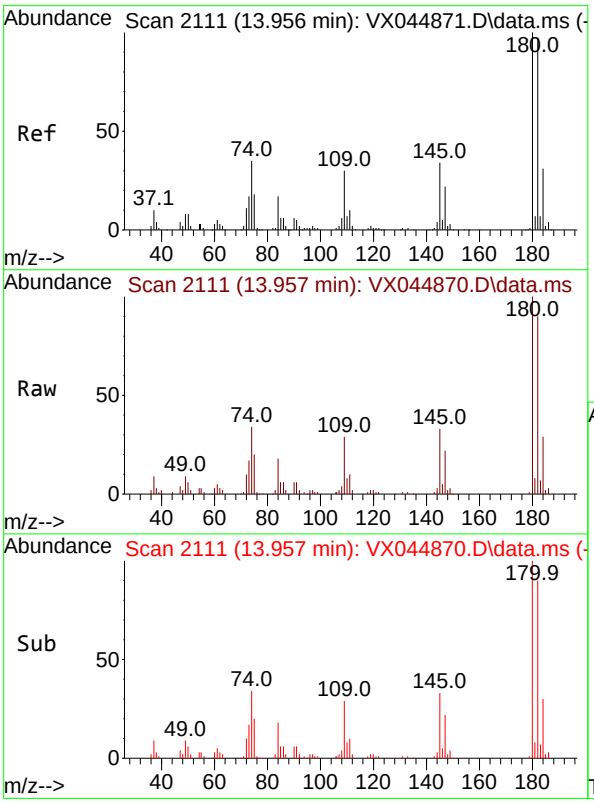
#95
Naphthalene
Concen: 21.502 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 142902

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.6	8.9	13.3

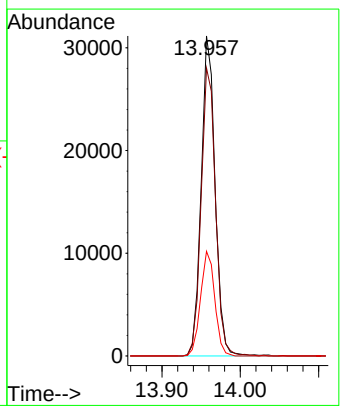




#96
1,2,3-Trichlorobenzene
Concen: 20.722 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:180 Resp: 38389

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.6
145	33.5	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	127984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	204751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	92593	49.424	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.840%			
35) Dibromofluoromethane	5.379	113	74906	49.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	8.646	98	289575	50.392	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	11.079	95	100798	52.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	89581	49.905	ug/l	100
3) Chloromethane	1.300	50	107836	49.359	ug/l	100
4) Vinyl Chloride	1.373	62	103354	48.832	ug/l	100
5) Bromomethane	1.593	94	31886	50.345	ug/l	100
6) Chloroethane	1.666	64	43657	55.583	ug/l	100
7) Trichlorofluoromethane	1.873	101	131729	49.215	ug/l	100
8) Diethyl Ether	2.129	74	48023	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	80068	49.511	ug/l	100
10) Methyl Iodide	2.446	142	108383	51.712	ug/l	100
11) Tert butyl alcohol	2.983	59	87254	251.049	ug/l	100
12) 1,1-Dichloroethene	2.312	96	80672	48.904	ug/l	100
13) Acrolein	2.233	56	90518	252.426	ug/l	100
14) Allyl chloride	2.660	41	148044	49.658	ug/l	100
15) Acrylonitrile	3.062	53	242268	261.074	ug/l	100
16) Acetone	2.379	43	187739	249.274	ug/l	100
17) Carbon Disulfide	2.501	76	225511	49.853	ug/l	100
18) Methyl Acetate	2.702	43	121039	50.928	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	261852	49.890	ug/l	100
20) Methylene Chloride	2.782	84	90038	48.808	ug/l	100
21) trans-1,2-Dichloroethene	3.086	96	81950	50.475	ug/l	100
22) Diisopropyl ether	3.757	45	287347	50.946	ug/l	100
23) Vinyl Acetate	3.714	43	1190152	258.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	157003	49.749	ug/l	100
25) 2-Butanone	4.556	43	323510	264.528	ug/l	100
26) 2,2-Dichloropropane	4.470	77	121901	48.707	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	96965	49.721	ug/l	100
28) Bromochloromethane	4.891	49	74707	49.258	ug/l	100
29) Tetrahydrofuran	5.001	42	210414	259.105	ug/l	100
30) Chloroform	5.086	83	149581	48.874	ug/l	100
31) Cyclohexane	5.464	56	143500	49.322	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	128561	49.523	ug/l	100
36) 1,1-Dichloropropene	5.690	75	108206	49.353	ug/l	100
37) Ethyl Acetate	4.708	43	123238	50.535	ug/l	100
38) Carbon Tetrachloride	5.671	117	105873	49.277	ug/l	100
39) Methylcyclohexane	7.372	83	145338	51.274	ug/l	100
40) Benzene	6.031	78	343557	50.182	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.915	41	70572	54.065 ug/l	100
42) 1,2-Dichloroethane	6.080	62	110347	50.573 ug/l	100
43) Isopropyl Acetate	6.336	43	204703	51.981 ug/l	100
44) Trichloroethene	7.122	130	78274	50.020 ug/l	100
45) 1,2-Dichloropropane	7.427	63	85733	50.335 ug/l	100
46) Dibromomethane	7.573	93	59625	50.479 ug/l	100
47) Bromodichloromethane	7.817	83	116892	51.108 ug/l	100
48) Methyl methacrylate	7.689	41	98519	53.057 ug/l	100
49) 1,4-Dioxane	7.659	88	42094	1056.618 ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	647283	270.364 ug/l	100
52) Toluene	8.714	92	210007	51.507 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	120125	51.902 ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	134763	52.223 ug/l	100
55) 1,1,2-Trichloroethane	9.146	97	79741	50.876 ug/l	100
56) Ethyl methacrylate	9.116	69	134975	53.319 ug/l	100
57) 1,3-Dichloropropane	9.305	76	141335	51.537 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	336412	270.652 ug/l	100
59) 2-Hexanone	9.427	43	472301	273.800 ug/l	100
60) Dibromochloromethane	9.518	129	87240	52.045 ug/l	100
61) 1,2-Dibromoethane	9.604	107	81915	51.564 ug/l	100
64) Tetrachloroethene	9.268	164	63537	49.206 ug/l	100
65) Chlorobenzene	10.079	112	224306	51.005 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	72478	51.203 ug/l	100
67) Ethyl Benzene	10.189	91	396269	51.061 ug/l	100
68) m/p-Xylenes	10.299	106	296507	103.573 ug/l	100
69) o-Xylene	10.640	106	144802	50.409 ug/l	100
70) Styrene	10.652	104	245518	53.051 ug/l	100
71) Bromoform	10.799	173	57417	54.352 ug/l #	100
73) Isopropylbenzene	10.957	105	374776	50.239 ug/l	100
74) N-amyl acetate	10.841	43	176174	52.189 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	126542	49.364 ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	136881	66.637 ug/l	83
77) Bromobenzene	11.195	156	84448	49.931 ug/l	100
78) n-propylbenzene	11.298	91	437572	50.818 ug/l	100
79) 2-Chlorotoluene	11.359	91	263269	49.749 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	307465	50.789 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	40487	50.701 ug/l	100
82) 4-Chlorotoluene	11.451	91	295844	50.531 ug/l	100
83) tert-Butylbenzene	11.713	119	306830	50.102 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	311205	52.085 ug/l	100
85) sec-Butylbenzene	11.890	105	384155	50.657 ug/l	100
86) p-Isopropyltoluene	12.006	119	315226	51.689 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	155575	50.021 ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	156162	49.657 ug/l	100
89) n-Butylbenzene	12.329	91	287649	53.315 ug/l	100
90) Hexachloroethane	12.536	117	56951	49.874 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	154364	50.500 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23924	51.135 ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	93863	50.747 ug/l	100
94) Hexachlorobutadiene	13.725	225	35481	48.321 ug/l	100
95) Naphthalene	13.774	128	347645	51.995 ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	95510	51.245 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

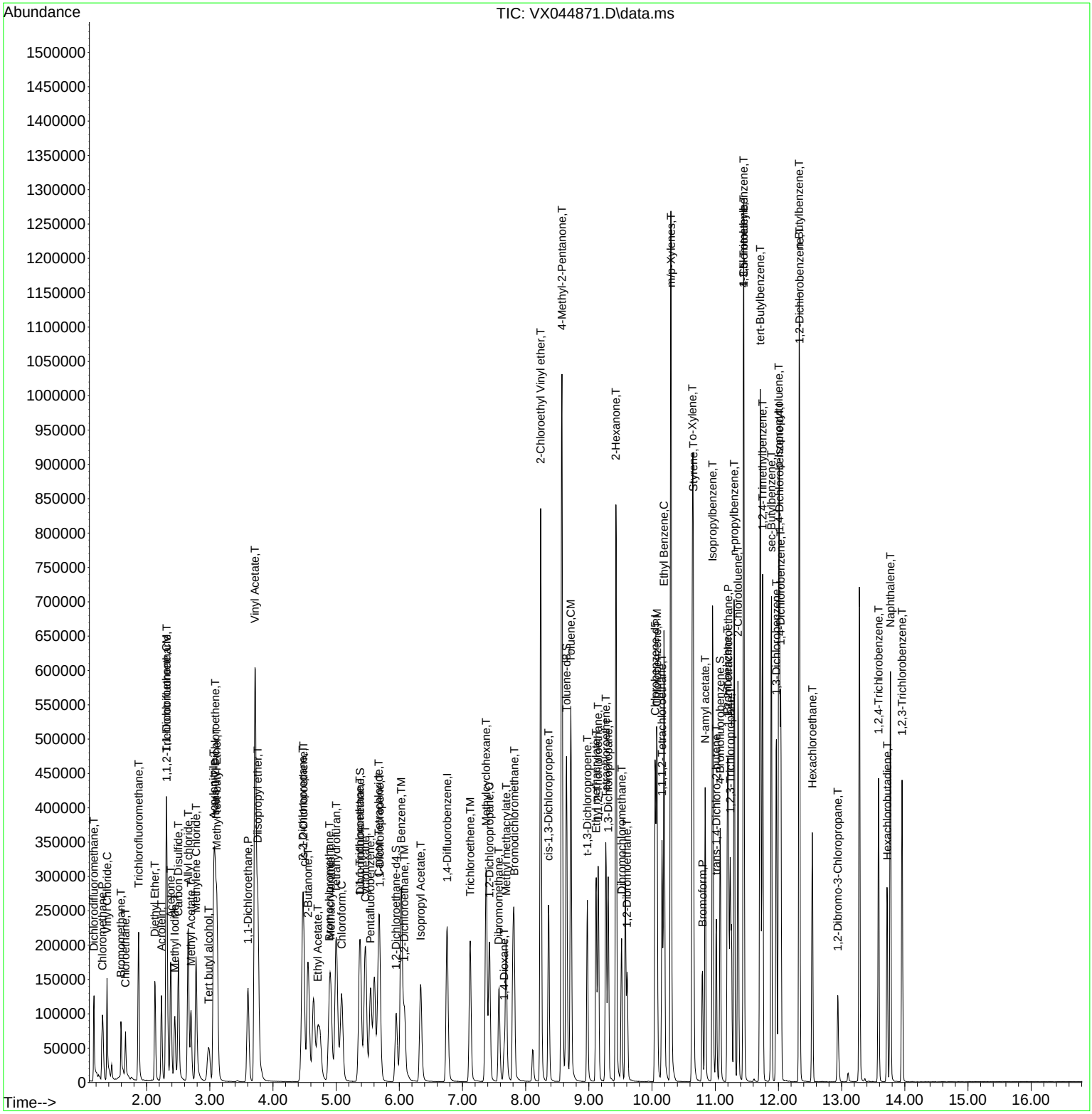
(#) = qualifier out of range (m) = manual integration (+) = signals summed

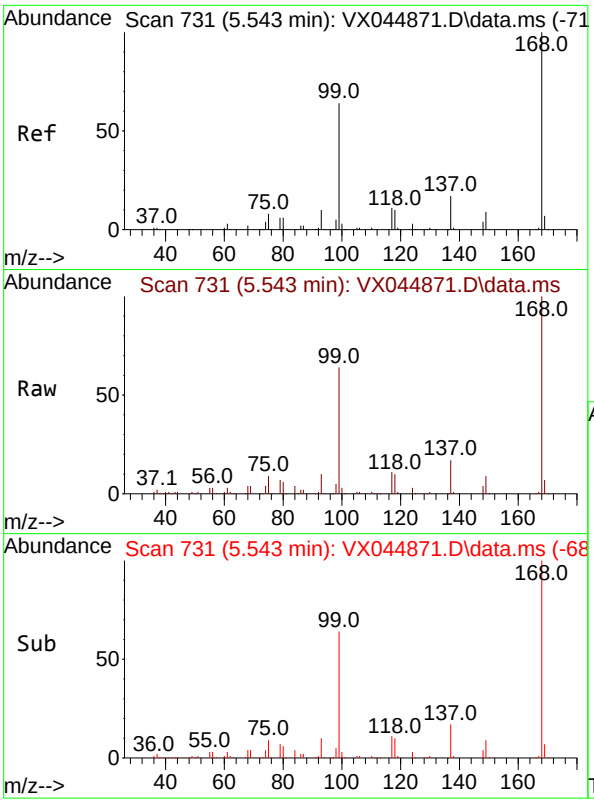
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration



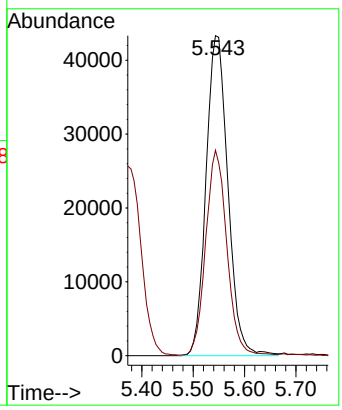


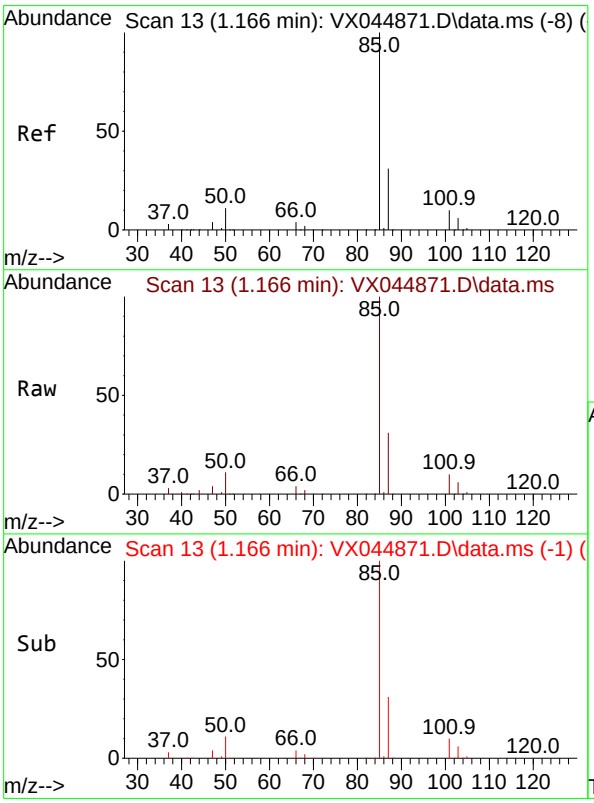
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 127984

Ion	Ratio	Lower	Upper
168	100		
99	64.0	51.2	76.8

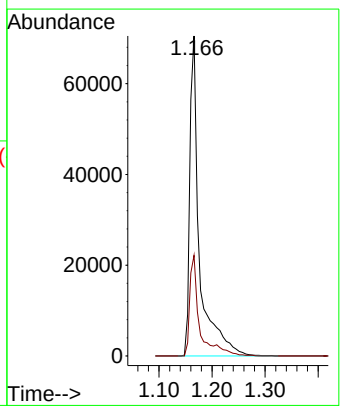


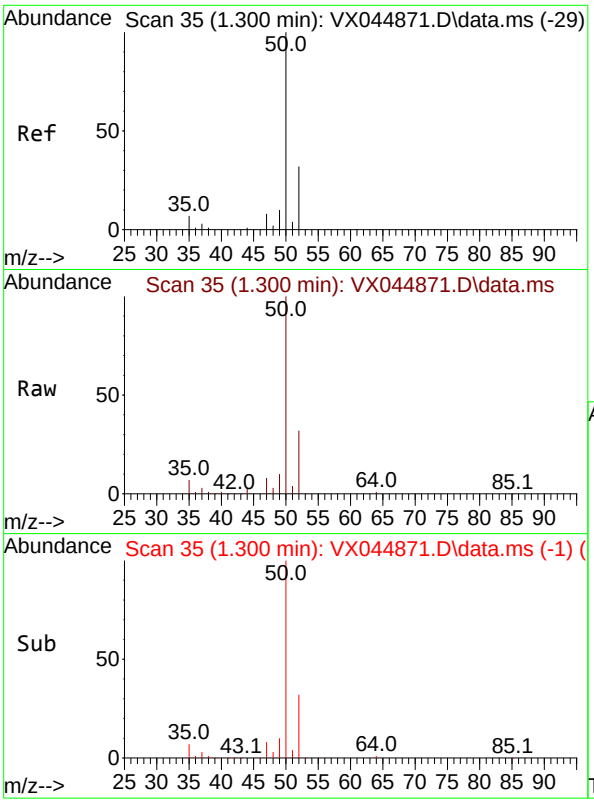


#2
Dichlorodifluoromethane
Concen: 49.905 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 85 Resp: 89581

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



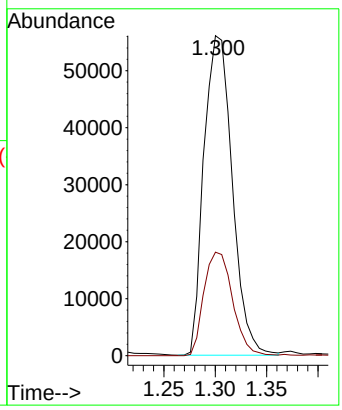


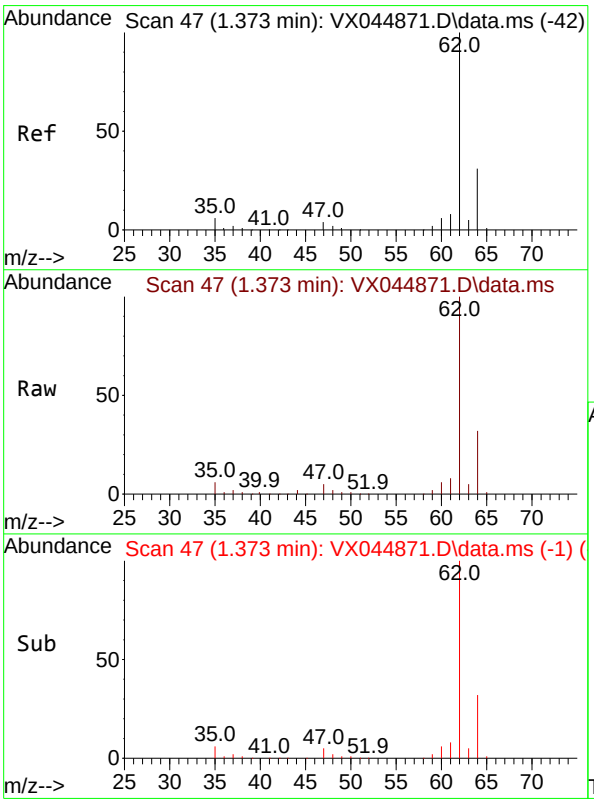
#3
Chloromethane
Concen: 49.359 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 107836

Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9

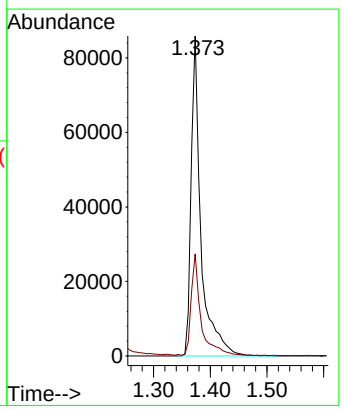


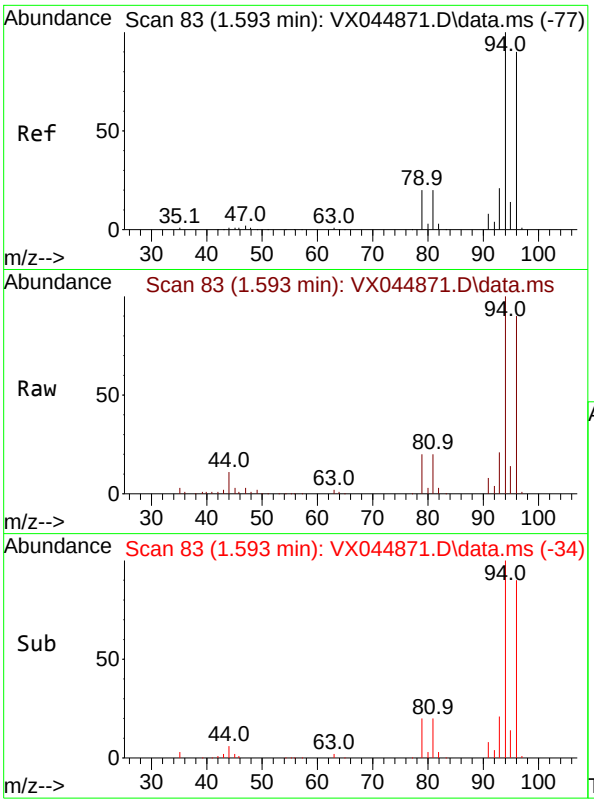


#4
Vinyl Chloride
Concen: 48.832 ug/l
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 103354

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0



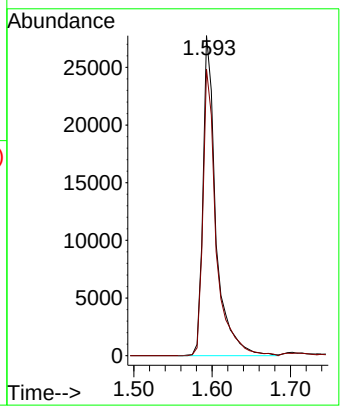


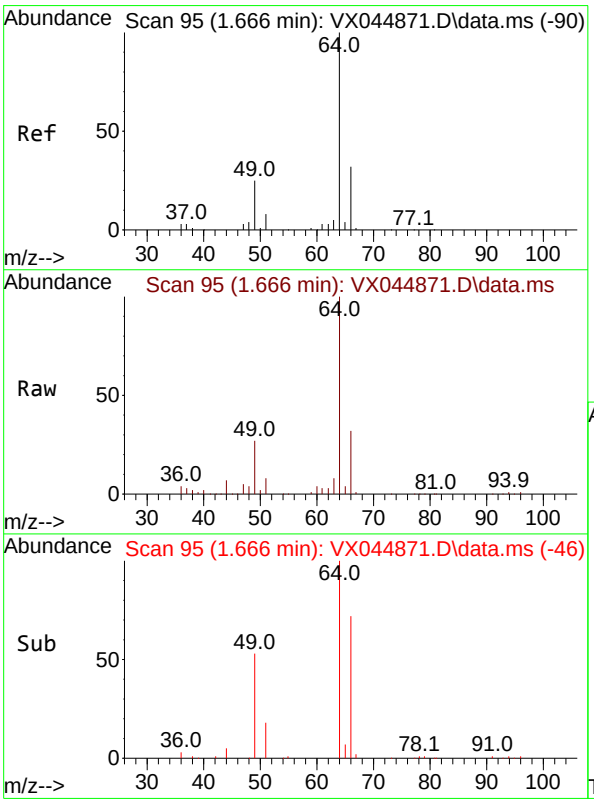
#5
Bromomethane
Concen: 50.345 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 31886

Ion	Ratio	Lower	Upper
94	100		
96	89.5	71.6	107.4

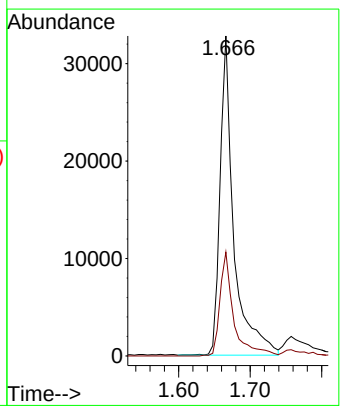


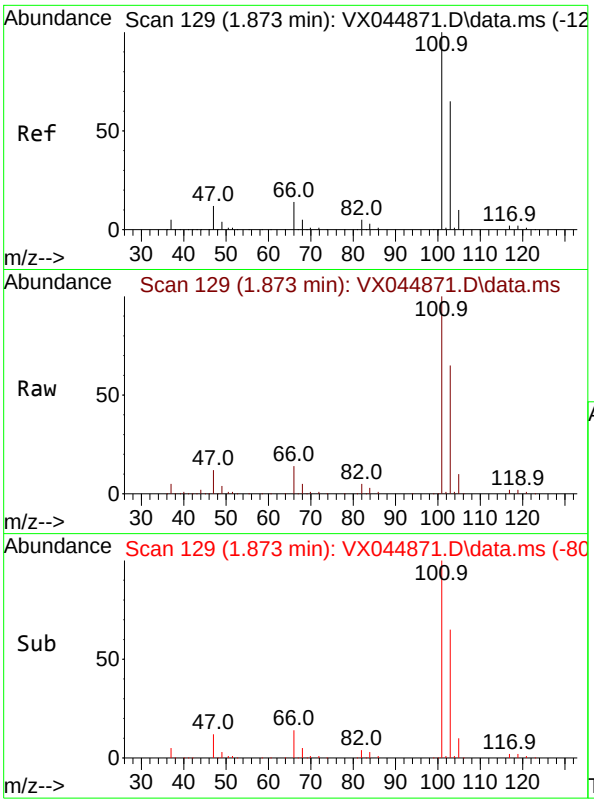


#6
Chloroethane
Concen: 55.583 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 64 Resp: 43657

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.9	38.9



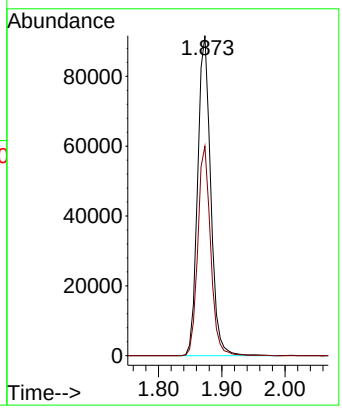


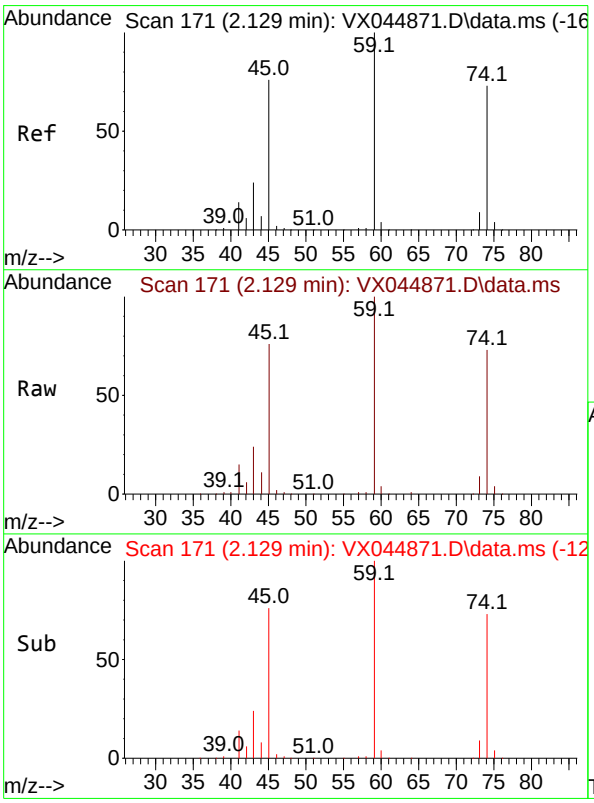
#7
Trichlorofluoromethane
Concen: 49.215 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 131729

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.4	78.6

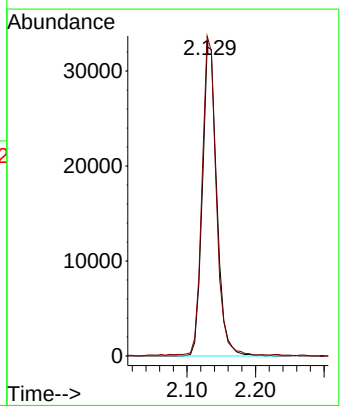


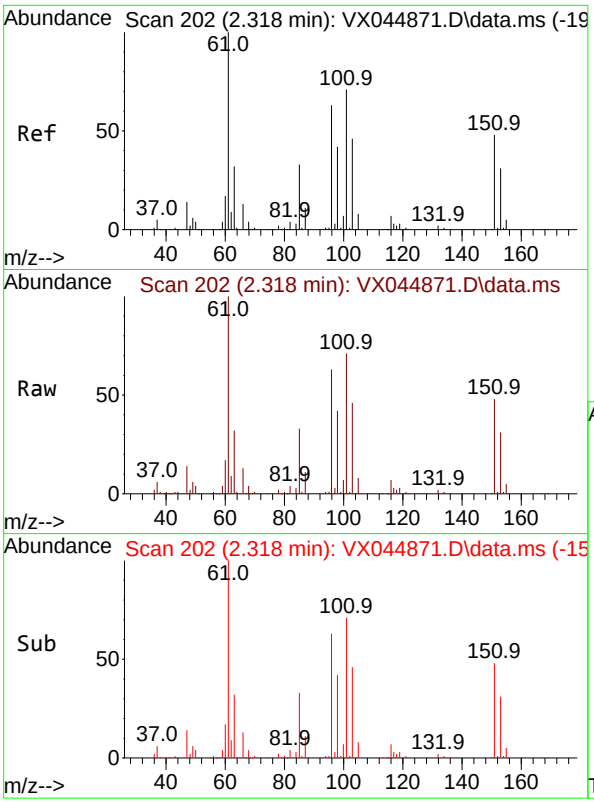


#8
Diethyl Ether
Concen: 49.473 ug/l
RT: 2.129 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 74 Resp: 48023

Ion	Ratio	Lower	Upper
74	100		
45	102.3	51.1	153.4



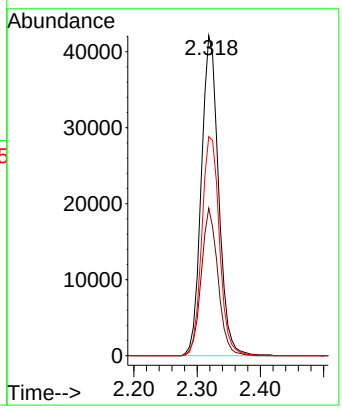


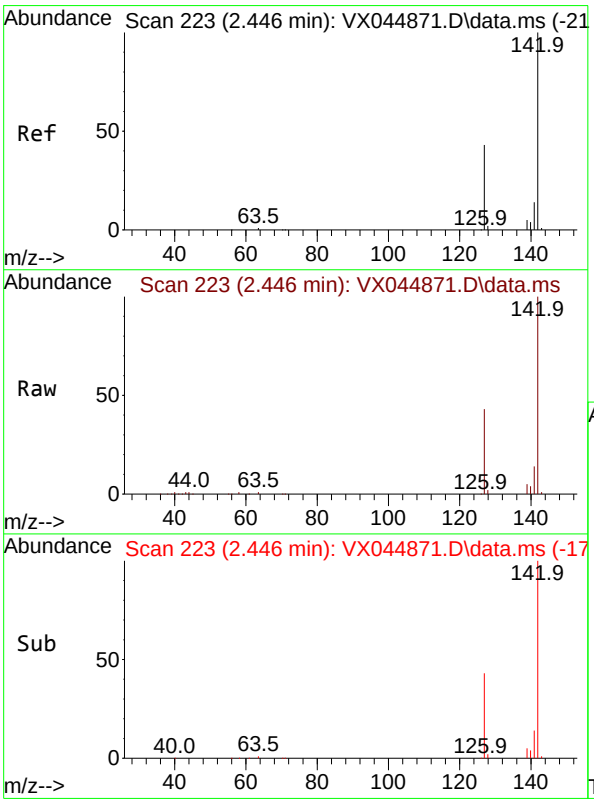
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.511 ug/l
RT: 2.318 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 80068

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.7	53.5
151	70.0	56.0	84.0

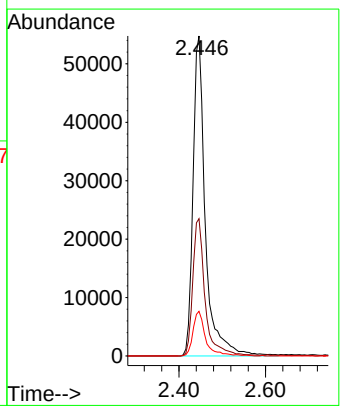


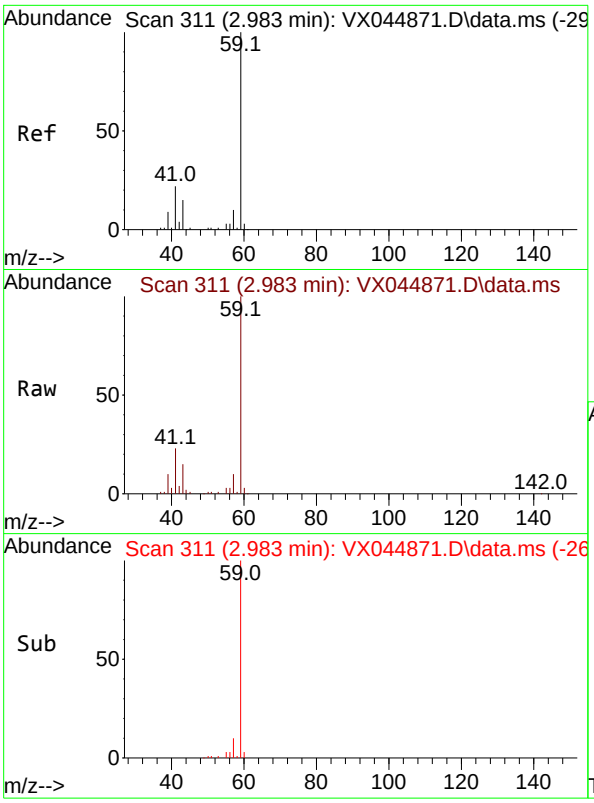


#10
Methyl Iodide
Concen: 51.712 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:142 Resp: 108383

Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.3	51.5
141	14.3	11.4	17.2



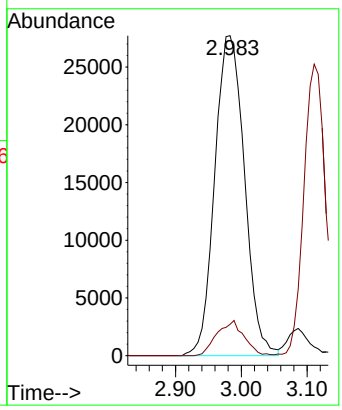


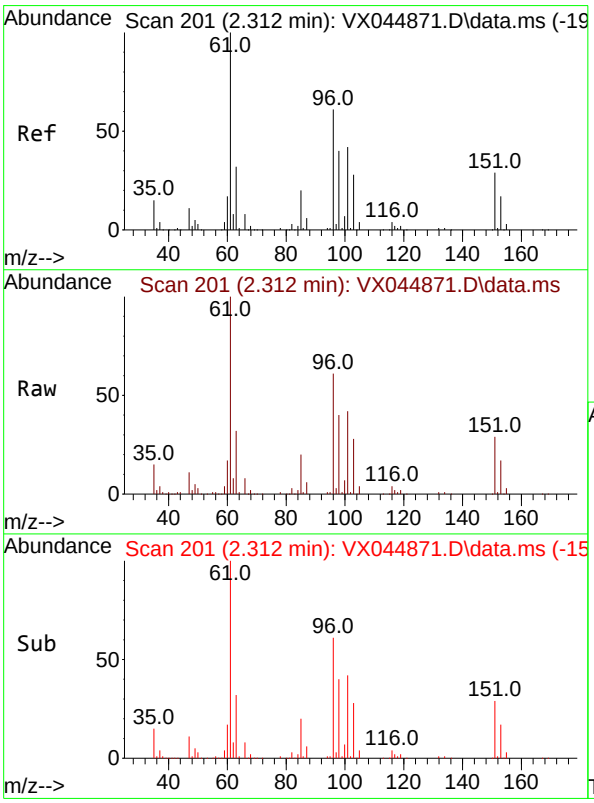
#11
Tert butyl alcohol
Concen: 251.049 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 87254

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

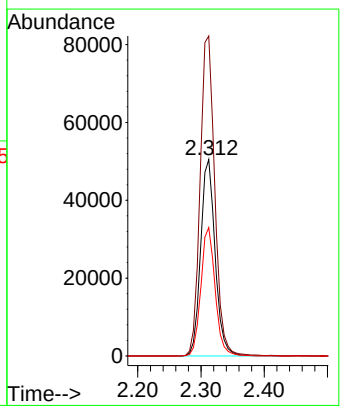


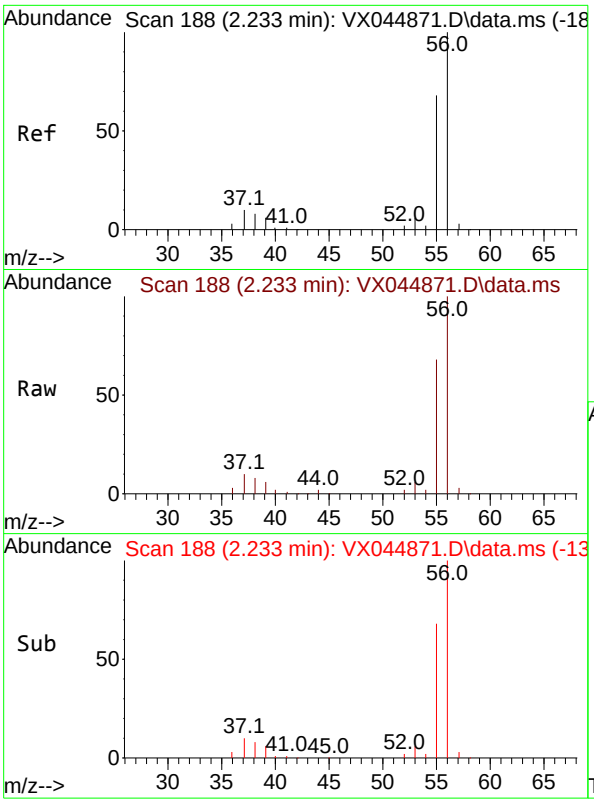


#12
1,1-Dichloroethene
Concen: 48.904 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 96 Resp: 80672

Ion	Ratio	Lower	Upper
96	100		
61	162.8	130.2	195.4
98	65.3	52.2	78.4



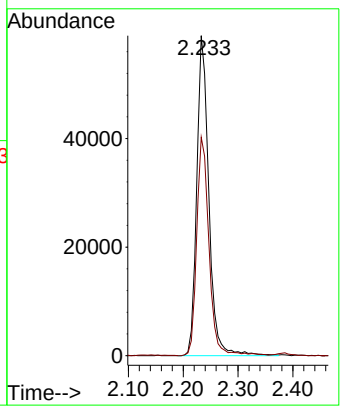


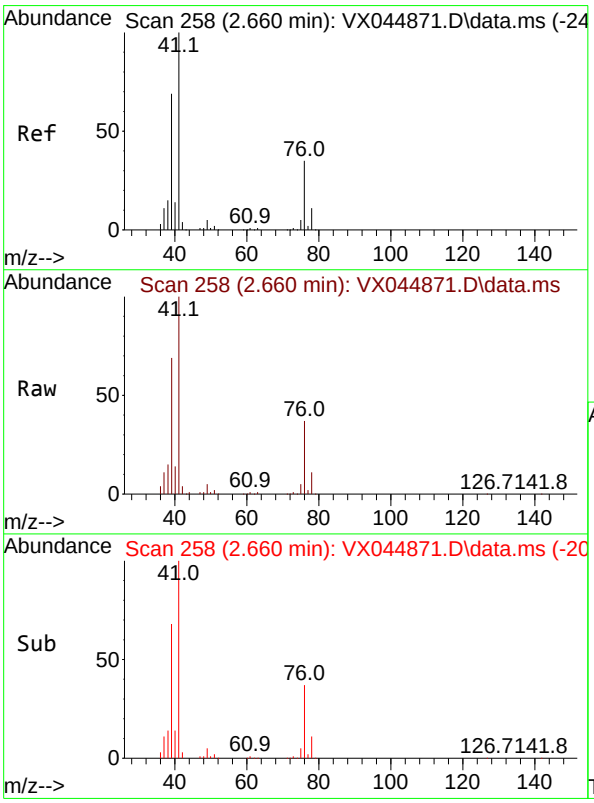
#13
Acrolein
Concen: 252.426 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 90518

Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.7	83.5

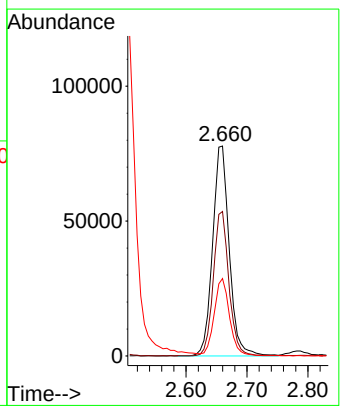


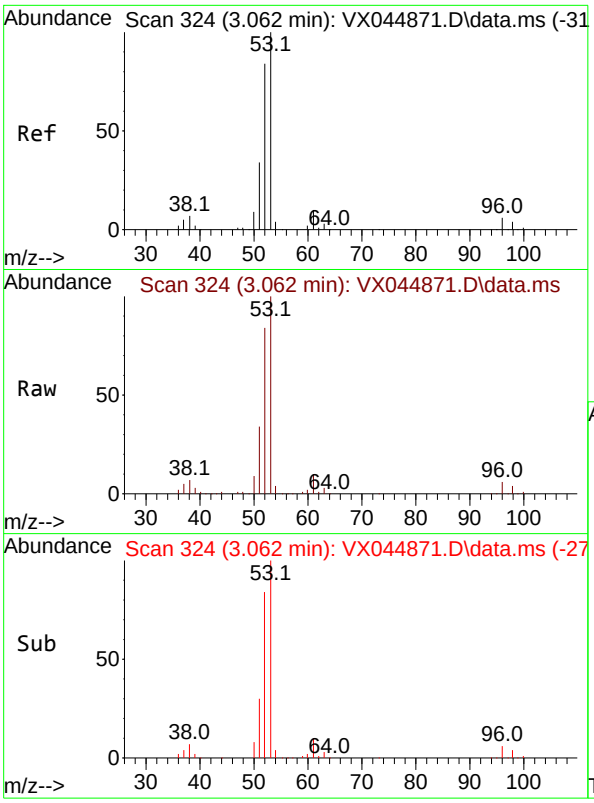


#14
Allyl chloride
Concen: 49.658 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 148044

Ion	Ratio	Lower	Upper
41	100		
39	64.3	51.4	77.2
76	33.7	27.0	40.4



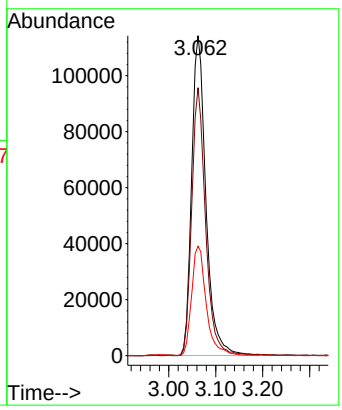


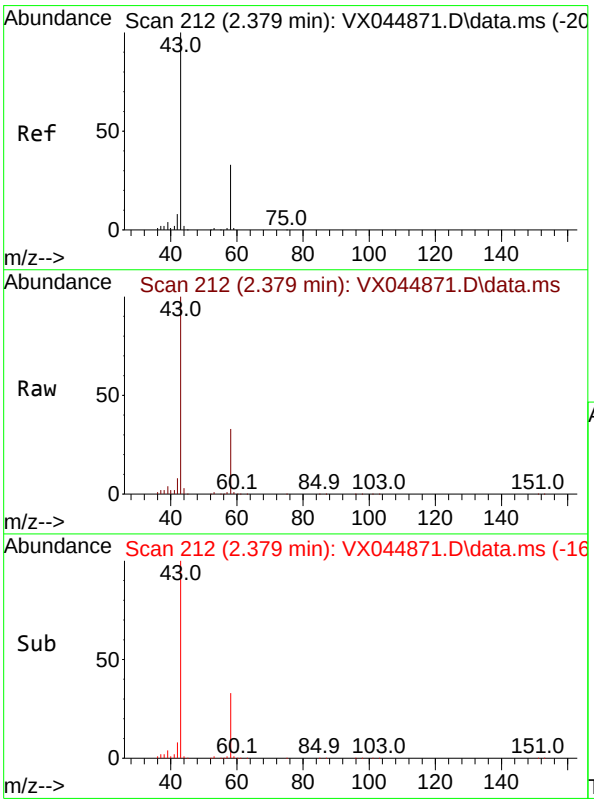
#15
Acrylonitrile
Concen: 261.074 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 242268

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	35.0	28.0	42.0

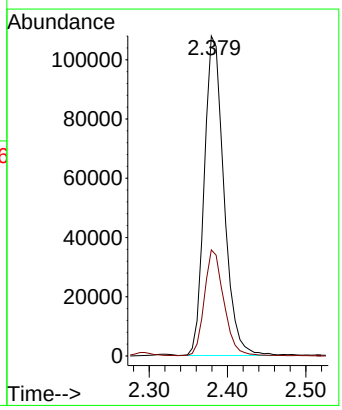


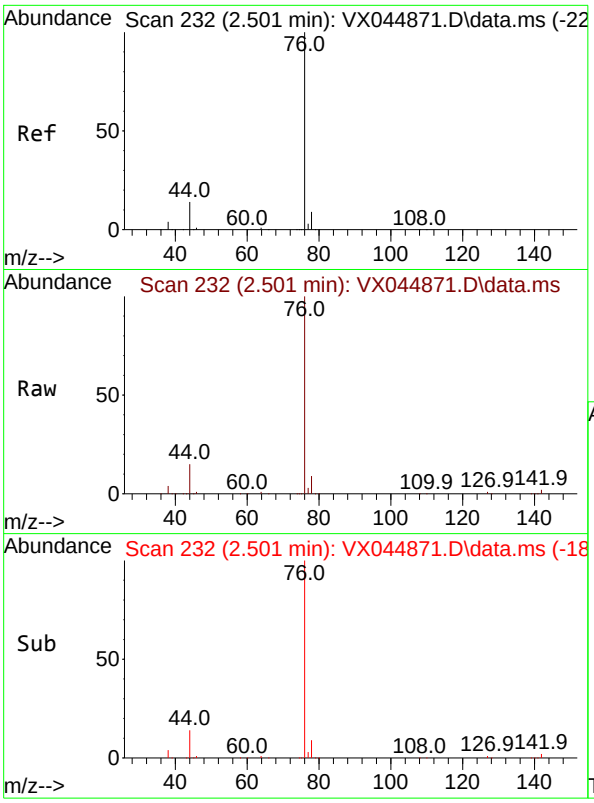


#16
Acetone
Concen: 249.274 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 187739

Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.5	39.7



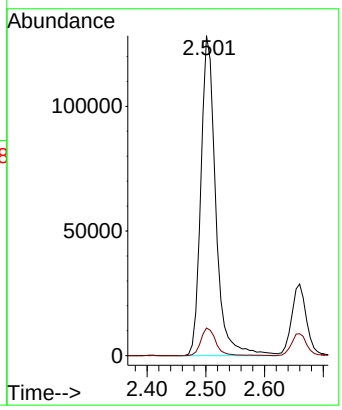


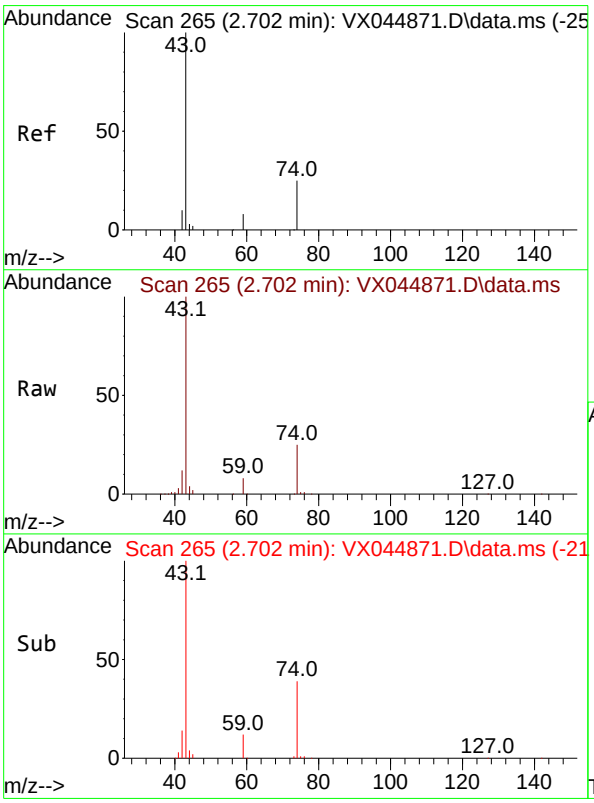
#17
Carbon Disulfide
Concen: 49.853 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 225511

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

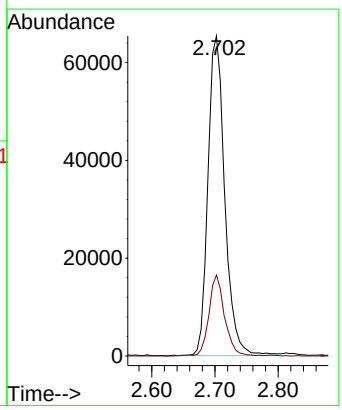


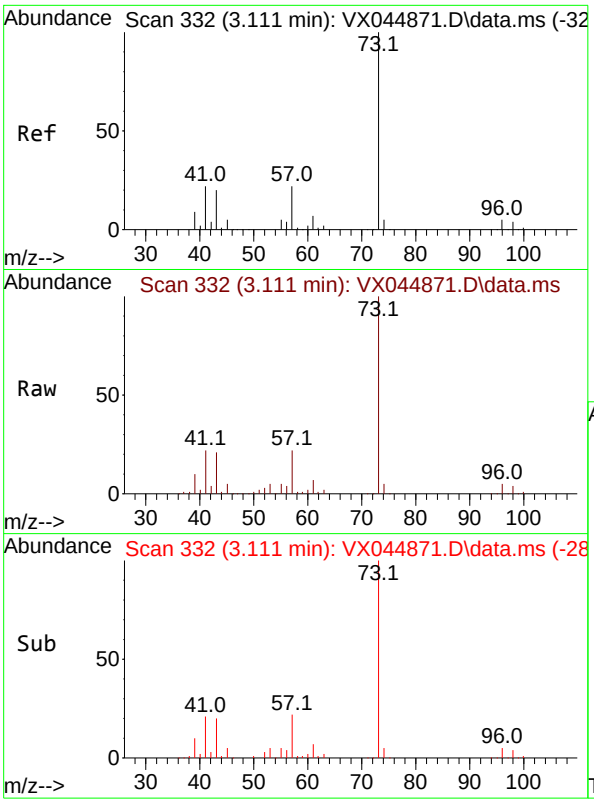


#18
Methyl Acetate
Concen: 50.928 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 121039

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.9	28.3



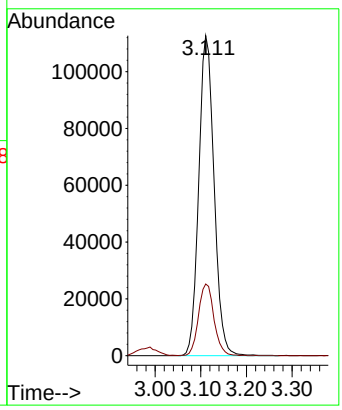


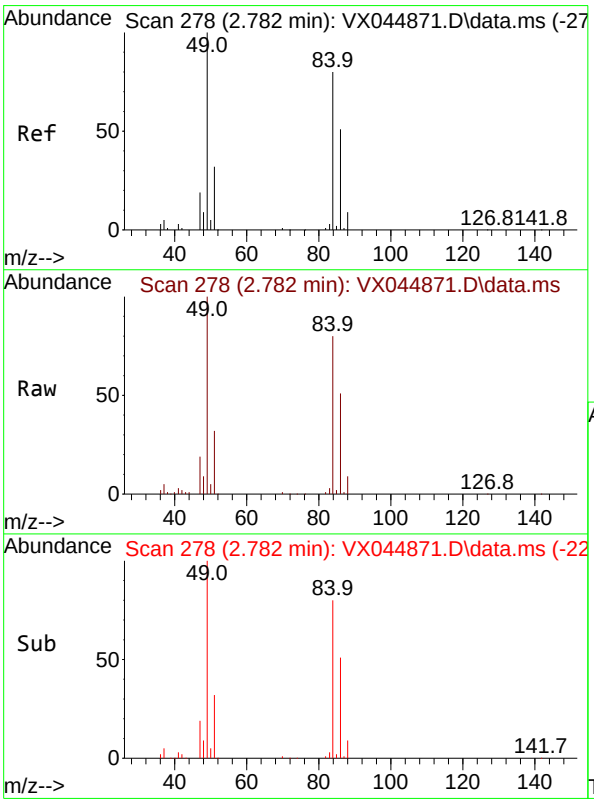
#19
Methyl tert-butyl Ether
Concen: 49.890 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 261852

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9

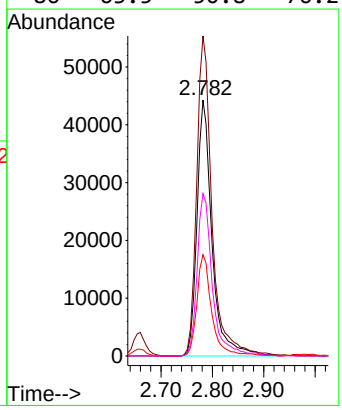


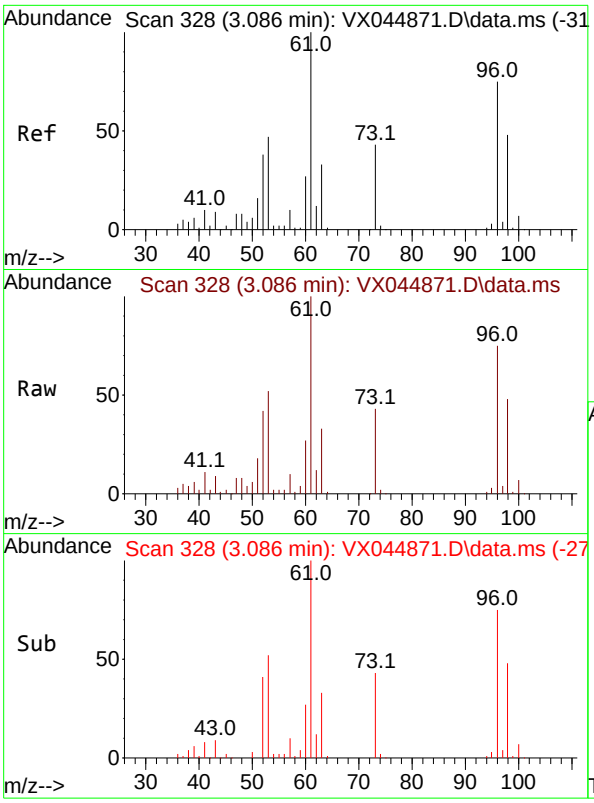


#20
Methylene Chloride
Concen: 48.808 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 84 Resp: 90038

Ion	Ratio	Lower	Upper
84	100		
49	125.1	100.1	150.1
51	39.6	31.7	47.5
86	63.5	50.8	76.2



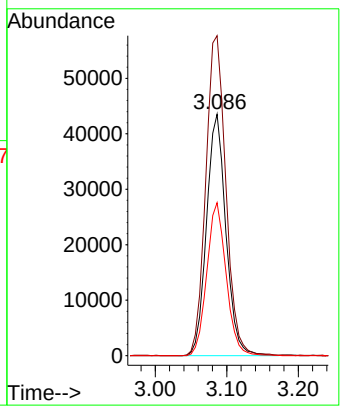


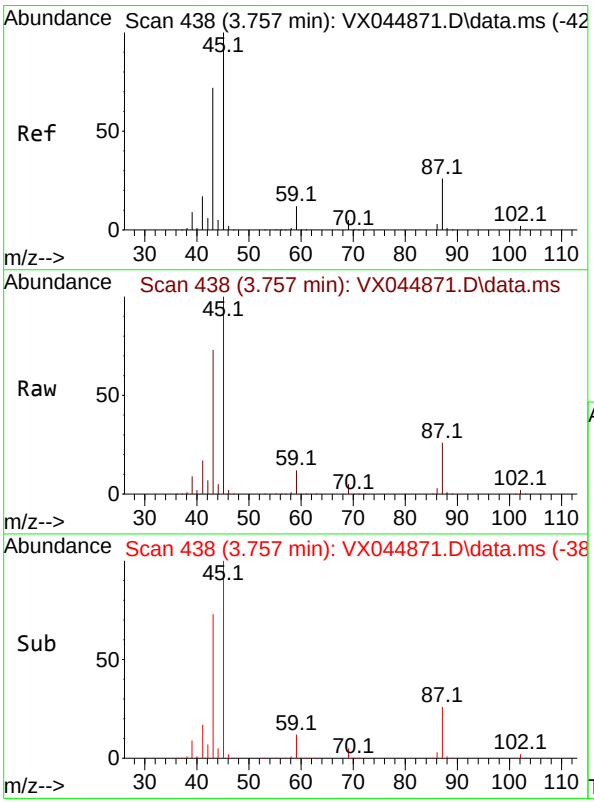
#21
trans-1,2-Dichloroethene
Concen: 50.475 ug/l
RT: 3.086 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 81950

Ion	Ratio	Lower	Upper
96	100		
61	132.5	106.0	159.0
98	63.3	50.6	76.0

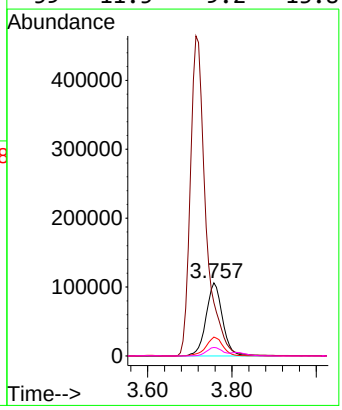


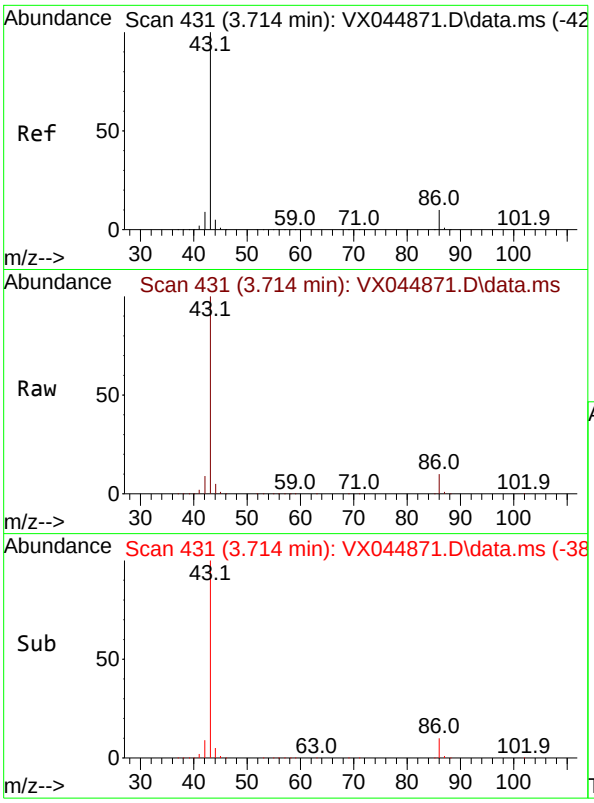


#22
Diisopropyl ether
Concen: 50.946 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 45 Resp: 287347

Ion	Ratio	Lower	Upper
45	100		
43	72.5	58.0	87.0
87	25.9	20.7	31.1
59	11.5	9.2	13.8



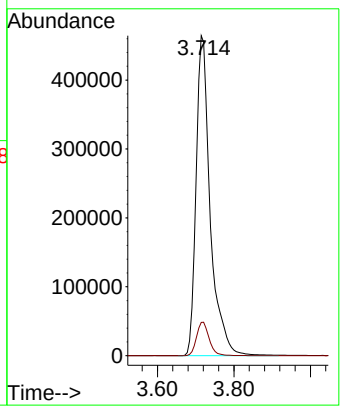


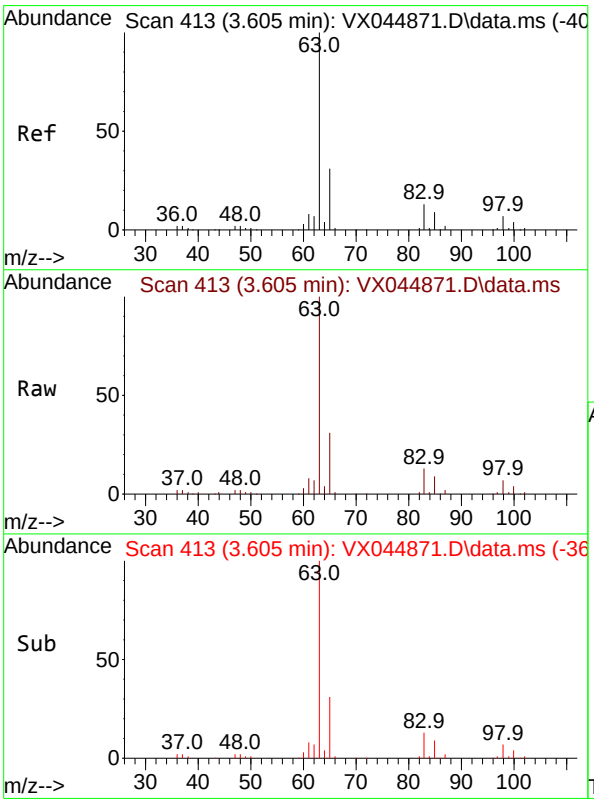
#23
Vinyl Acetate
Concen: 258.830 ug/l
RT: 3.714 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1190152

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

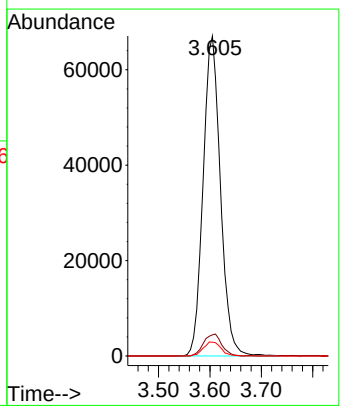


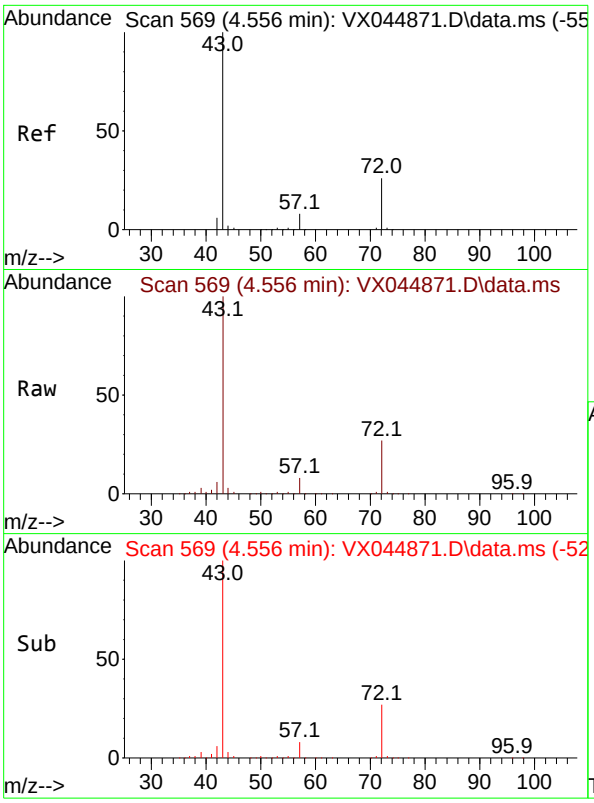


#24
1,1-Dichloroethane
Concen: 49.749 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 157003

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	4.3	2.1	6.5



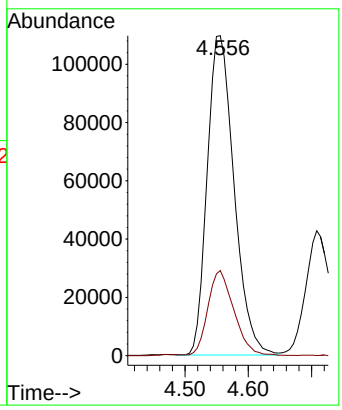


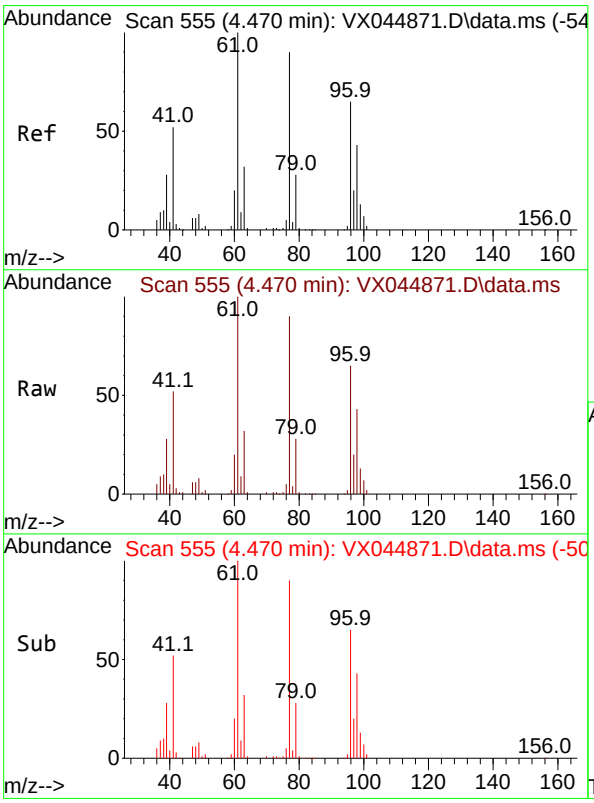
#25
2-Butanone
Concen: 264.528 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 323510

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.2	31.8

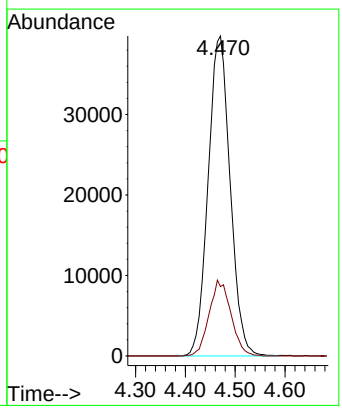


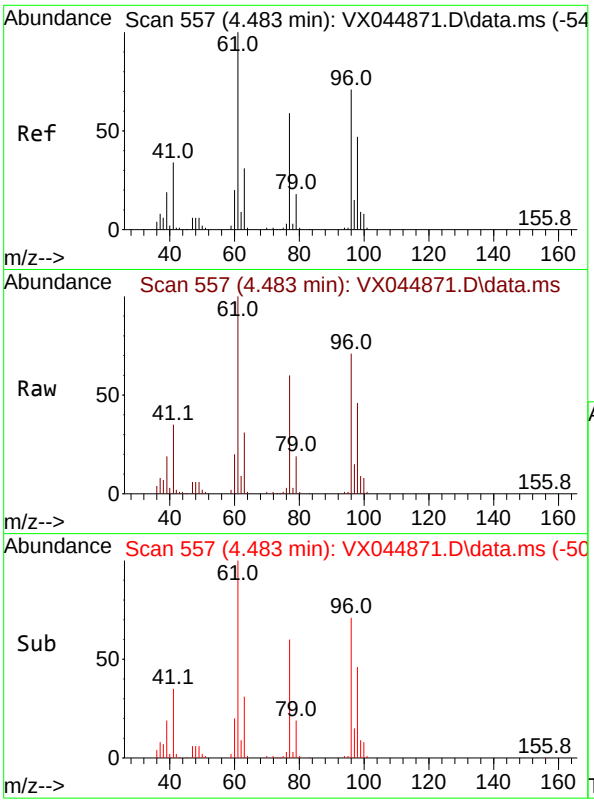


#26
2,2-Dichloropropane
Concen: 48.707 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 77 Resp: 121901

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.8	35.3



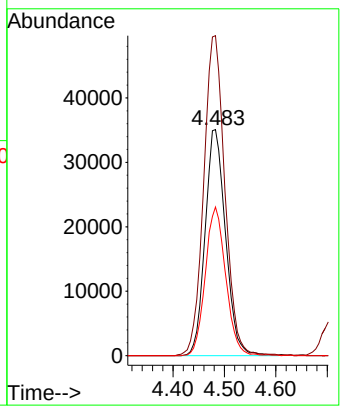


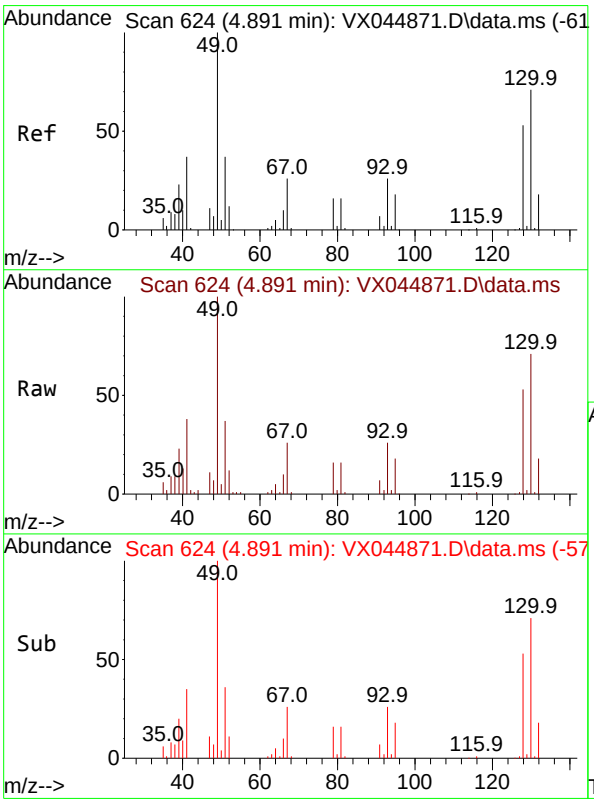
#27
cis-1,2-Dichloroethene
Concen: 49.721 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 96965

Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	294.0
98	65.6	0.0	131.2

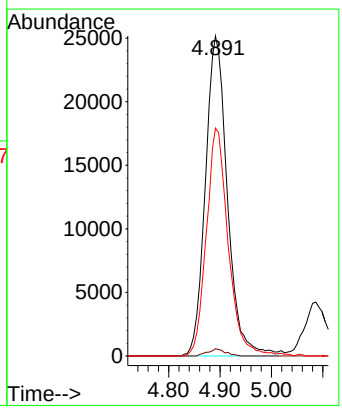


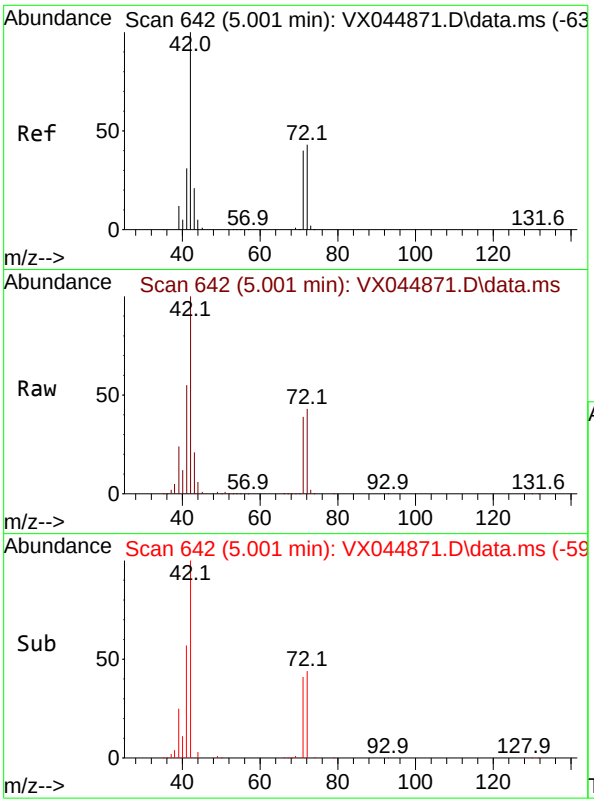


#28
Bromochloromethane
Concen: 49.258 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 49 Resp: 74707

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	70.9	56.7	85.1



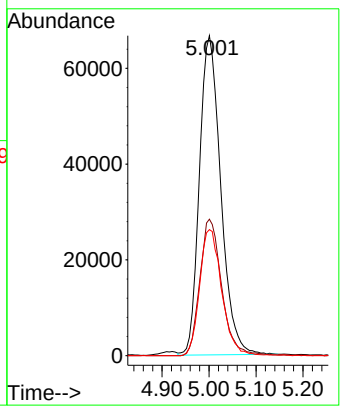


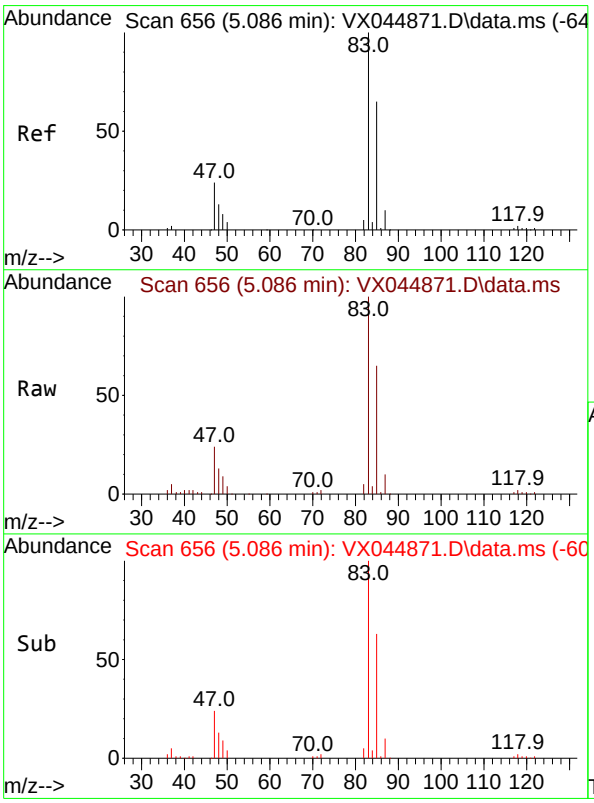
#29
Tetrahydrofuran
Concen: 259.105 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 210414

Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	40.7	32.6	48.8

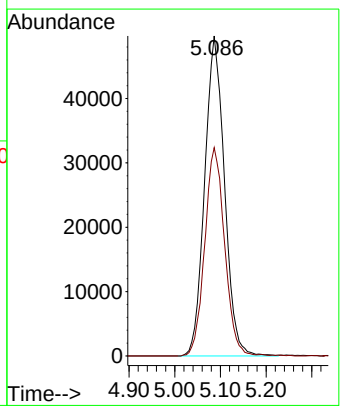


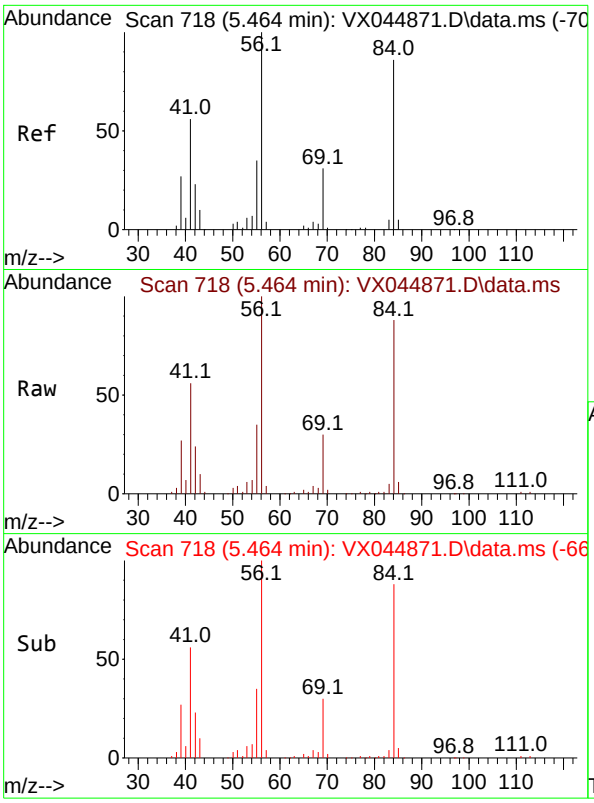


#30
Chloroform
Concen: 48.874 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 83 Resp: 149581

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1



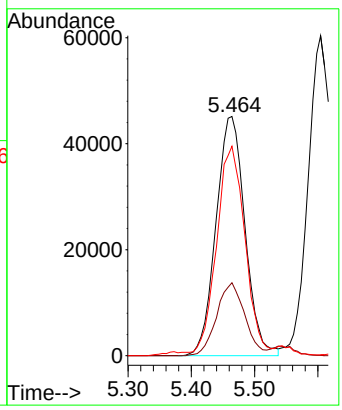


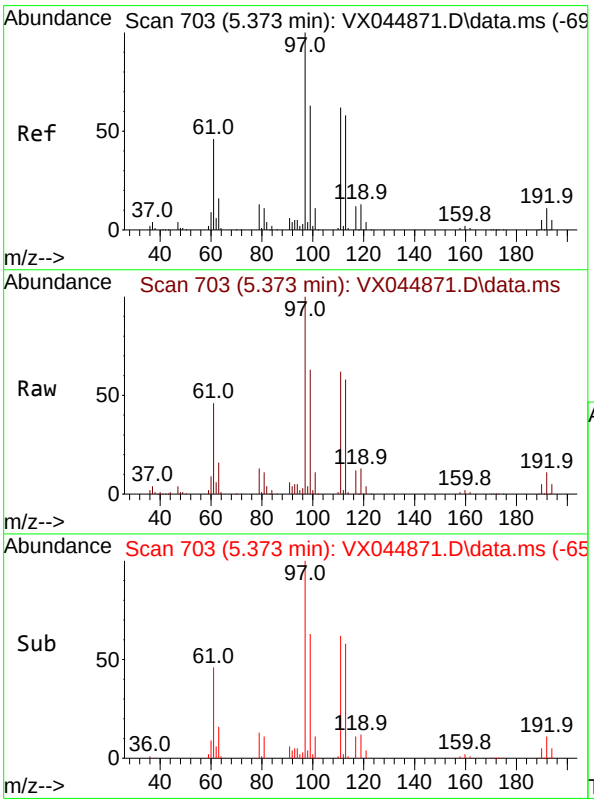
#31
Cyclohexane
Concen: 49.322 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 143500

Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	86.3	69.0	103.6

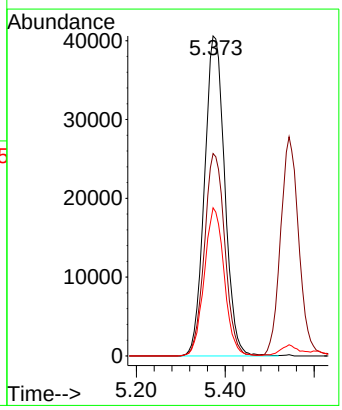


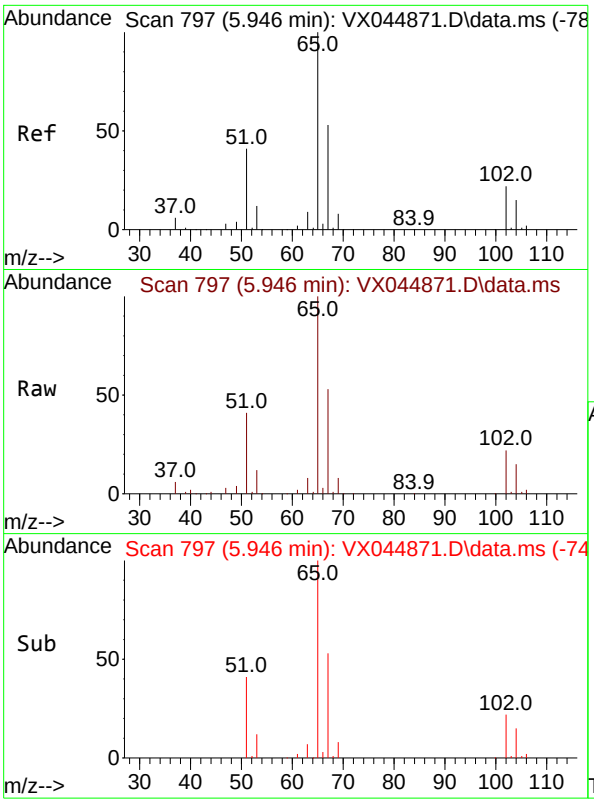


#32
1,1,1-Trichloroethane
Concen: 49.523 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 97 Resp: 128561

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.8	36.6	55.0



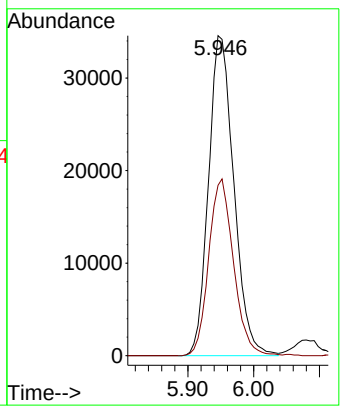


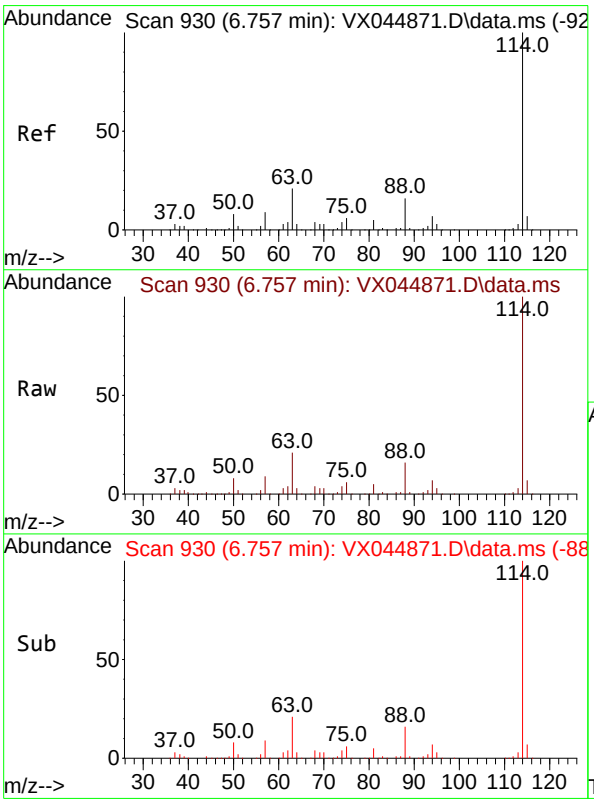
#33
1,2-Dichloroethane-d4
Concen: 49.424 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 92593

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	108.2

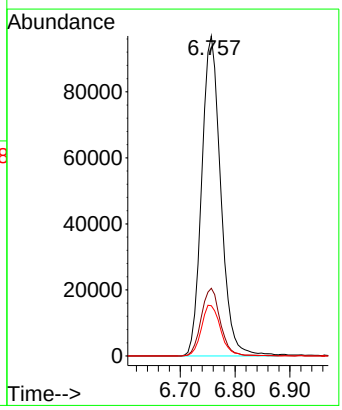


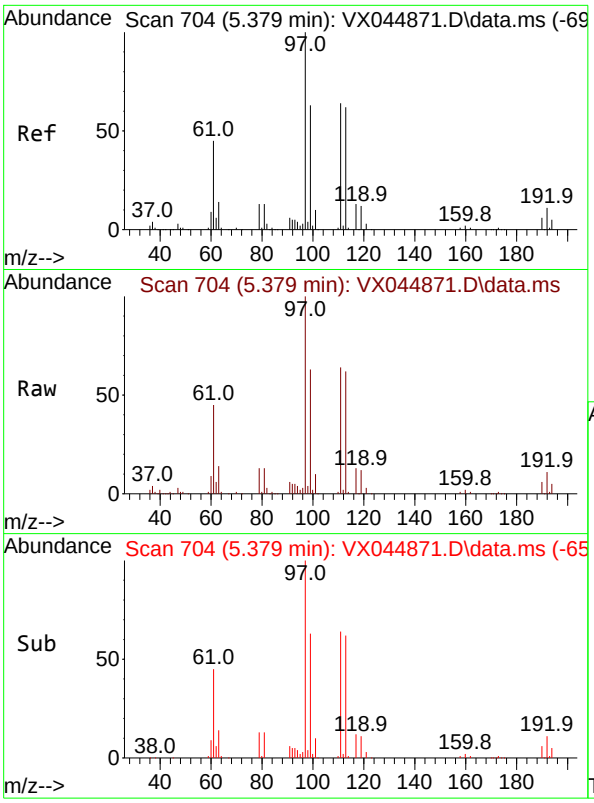


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:114 Resp: 233736

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	15.7	0.0	31.4



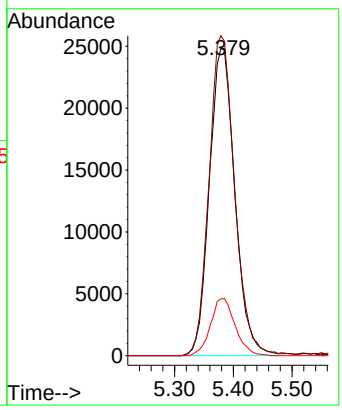


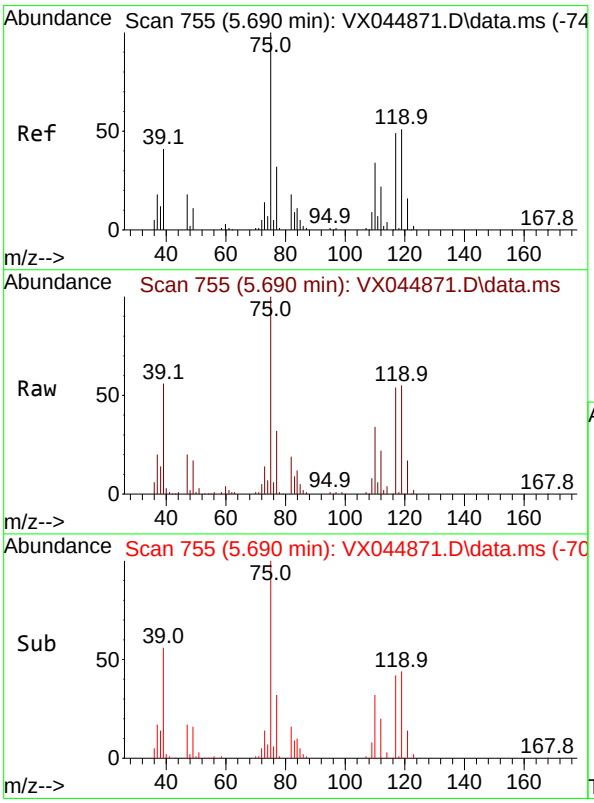
#35
Dibromofluoromethane
Concen: 49.291 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 74906

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	18.0	14.4	21.6

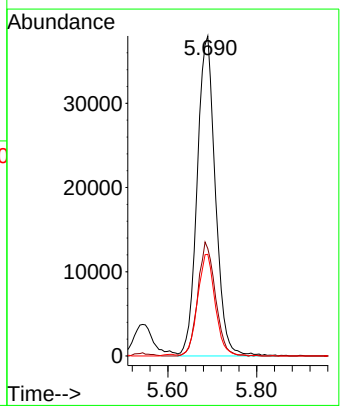


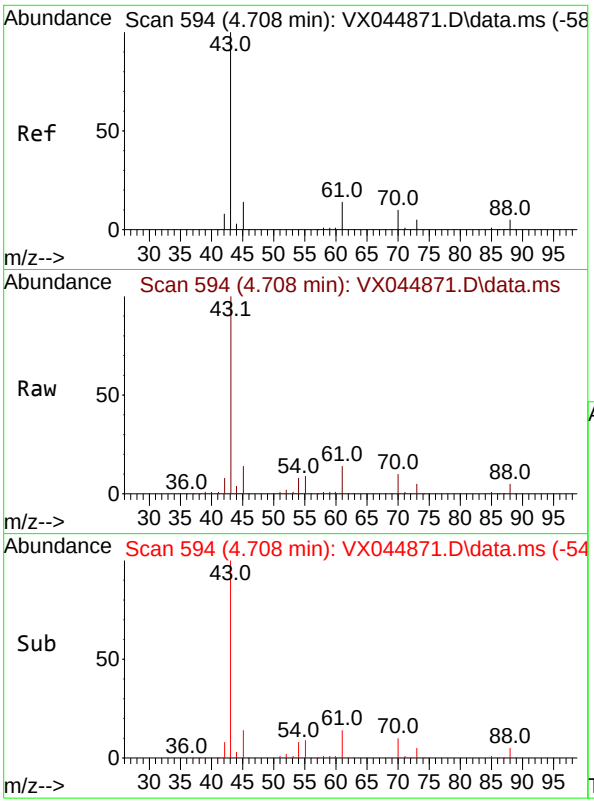


#36
1,1-Dichloropropene
Concen: 49.353 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 108206

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.8	24.6	37.0



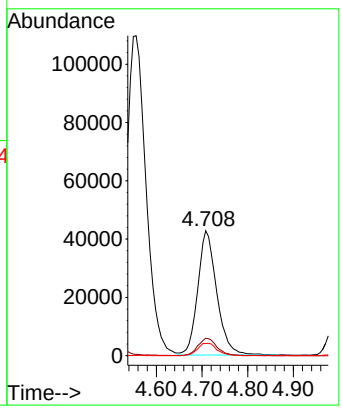


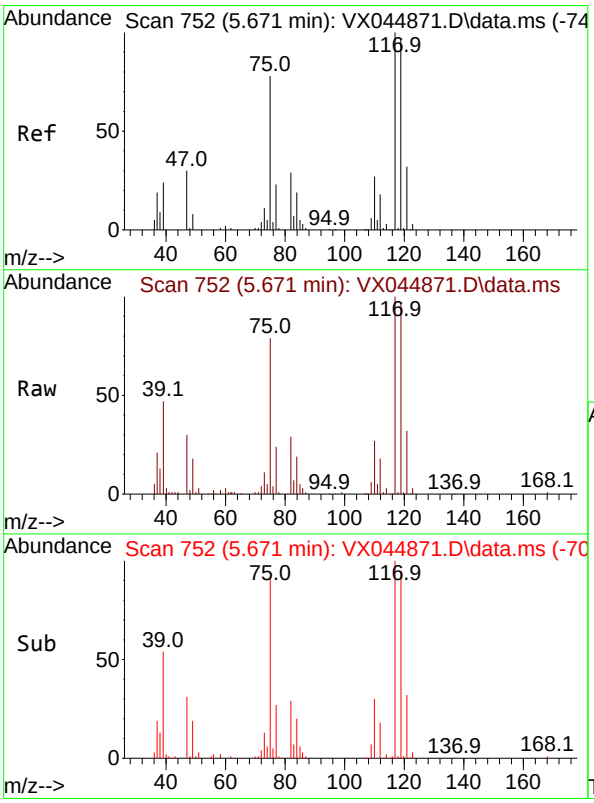
#37
Ethyl Acetate
Concen: 50.535 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 123238

Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.2	8.2	12.2

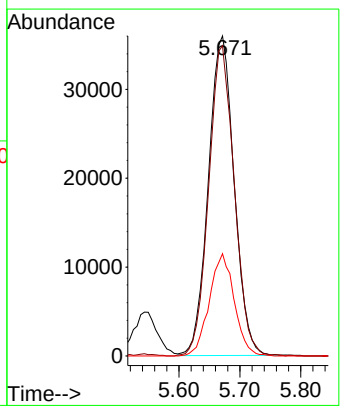


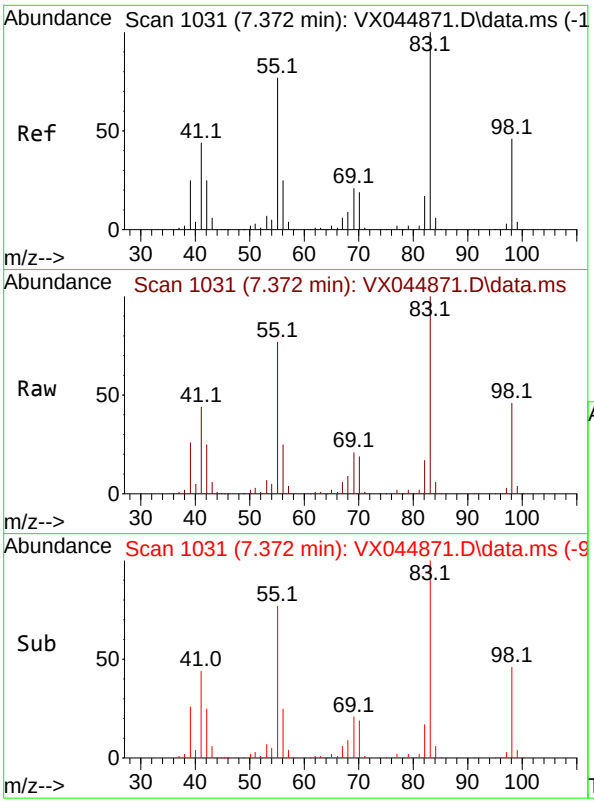


#38
Carbon Tetrachloride
Concen: 49.277 ug/l
RT: 5.671 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:117 Resp: 105873

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
121	32.0	25.6	38.4



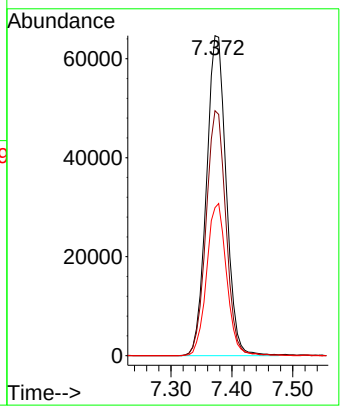


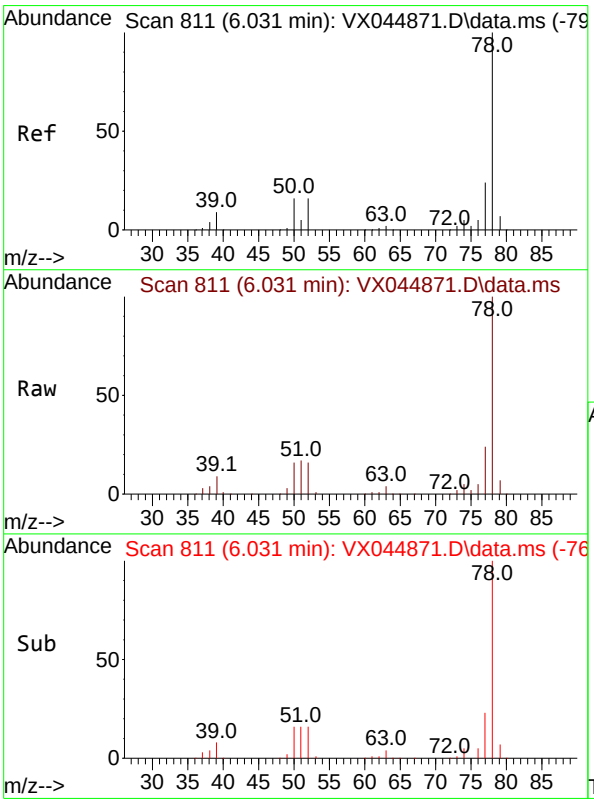
#39
Methylcyclohexane
Concen: 51.274 ug/l
RT: 7.372 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 145338

Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	46.3	37.0	55.6

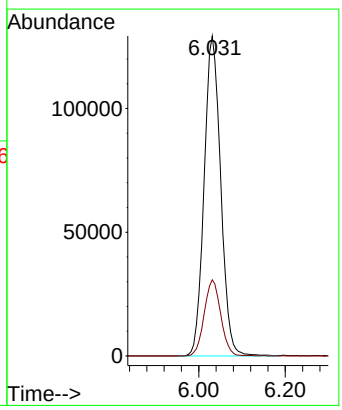


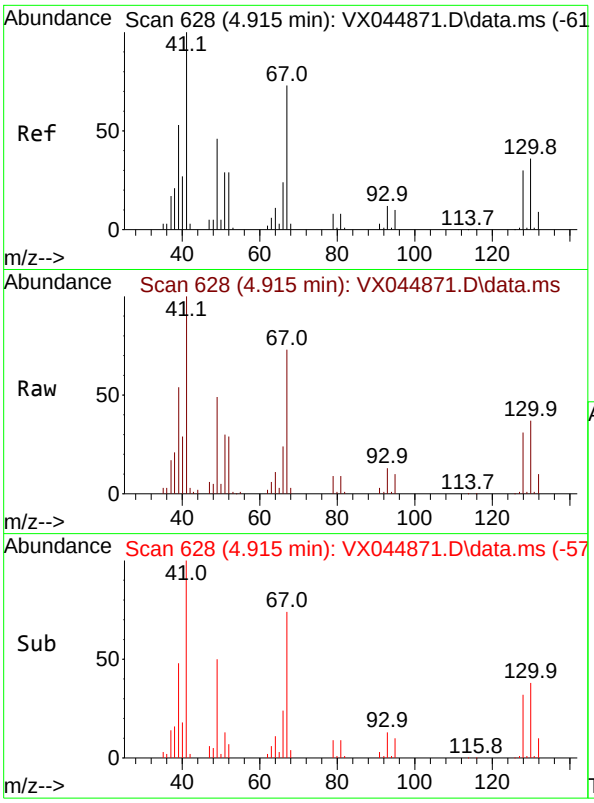


#40
Benzene
Concen: 50.182 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 78 Resp: 343557

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6



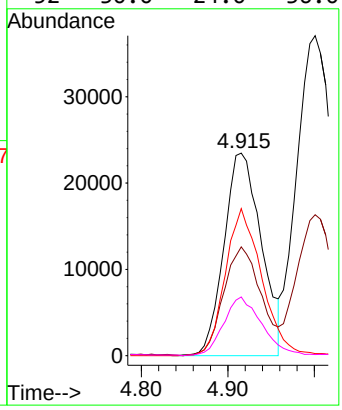


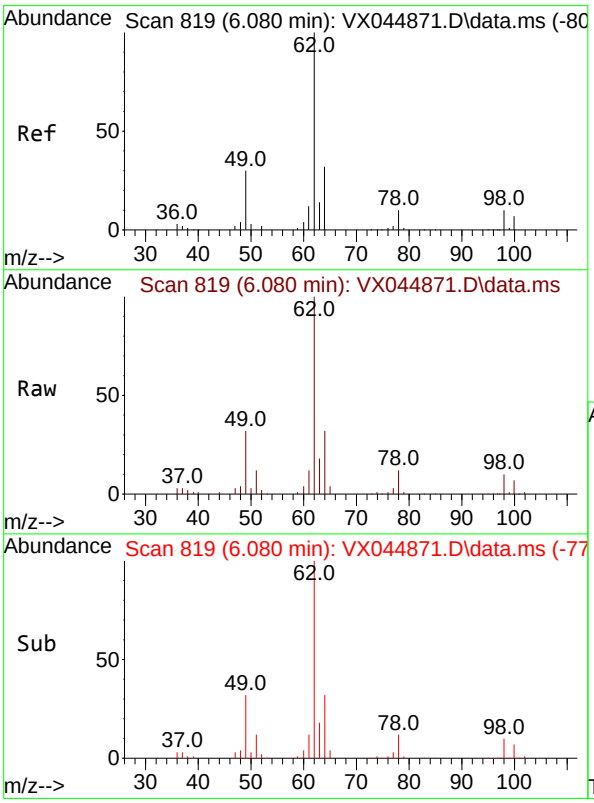
#41
Methacrylonitrile
Concen: 54.065 ug/l
RT: 4.915 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 70572

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	71.3	57.0	85.6
52	30.0	24.0	36.0

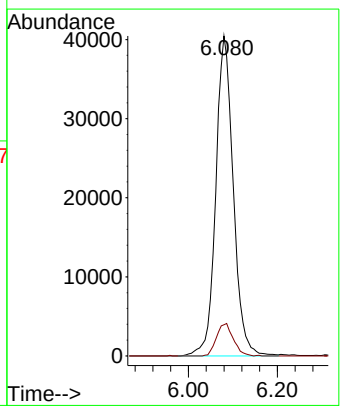


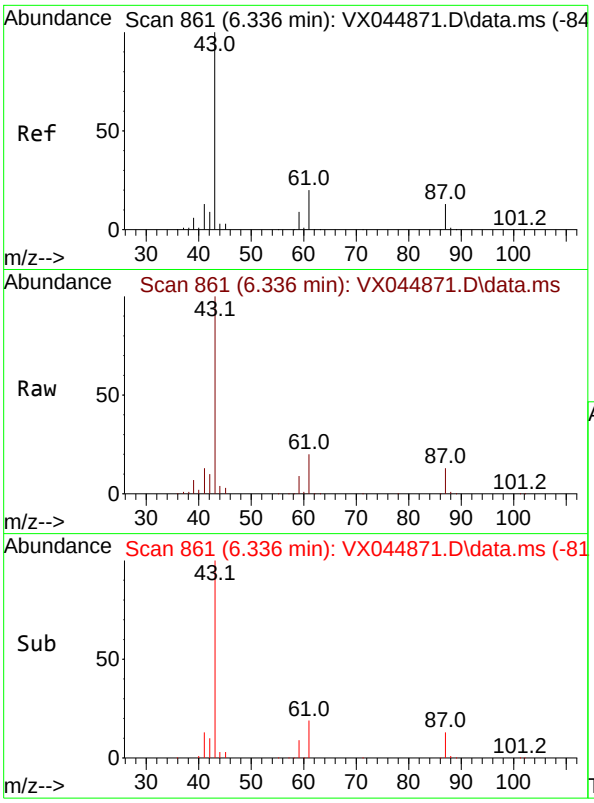


#42
1,2-Dichloroethane
Concen: 50.573 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 110347

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4



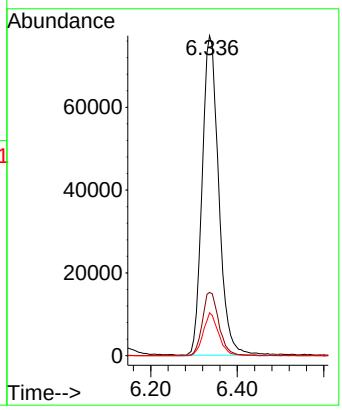


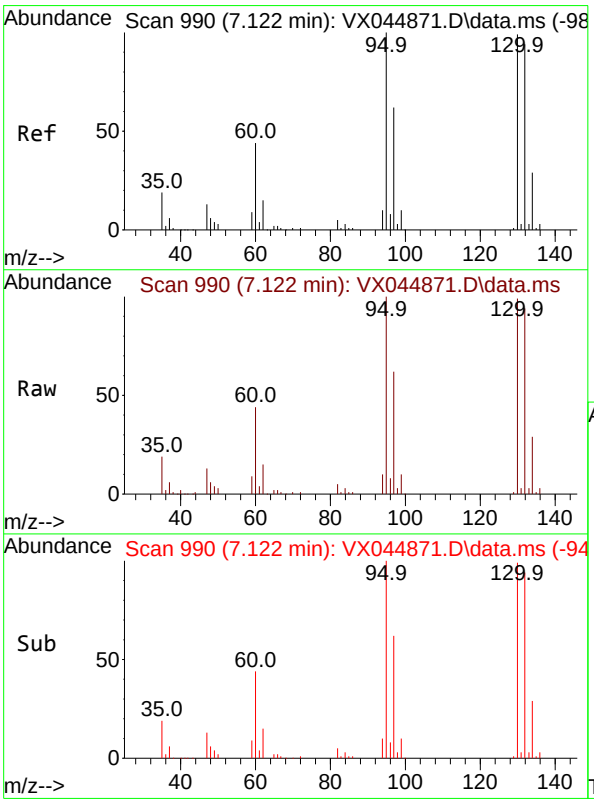
#43
Isopropyl Acetate
Concen: 51.981 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 204703

Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.8
87	12.5	10.0	15.0

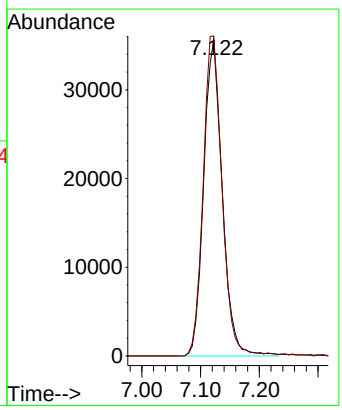


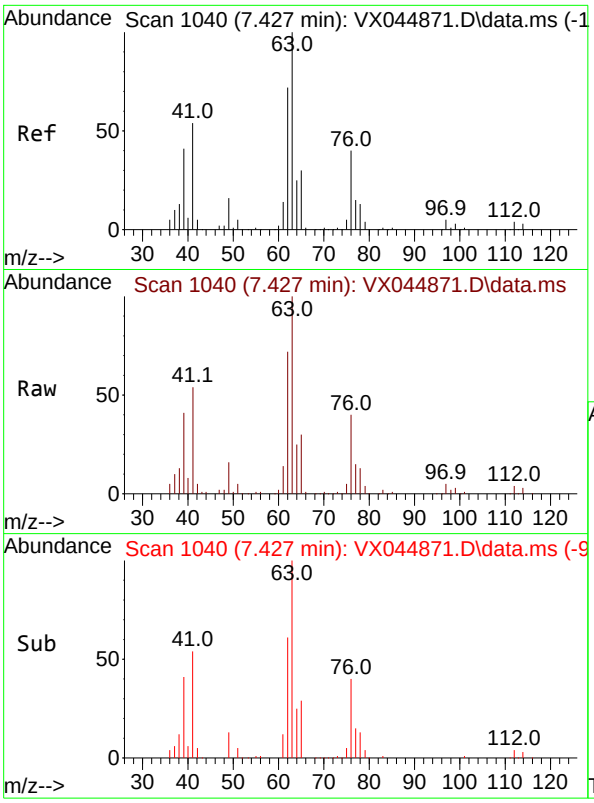


#44
Trichloroethene
Concen: 50.020 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:130 Resp: 78274

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	202.4



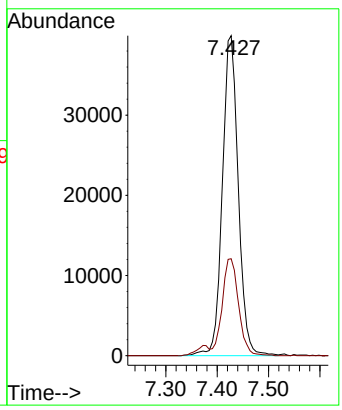


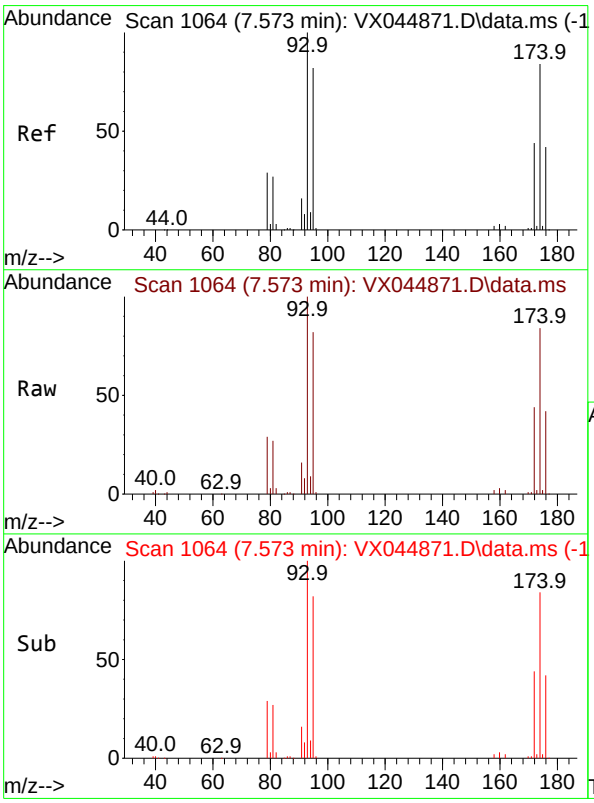
#45
1,2-Dichloropropane
Concen: 50.335 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 85733

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.4

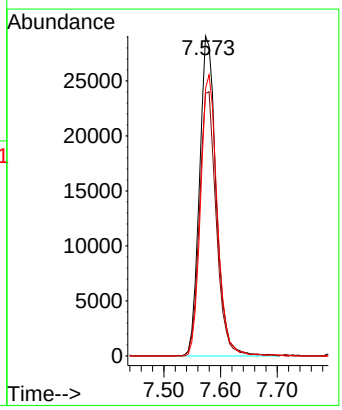


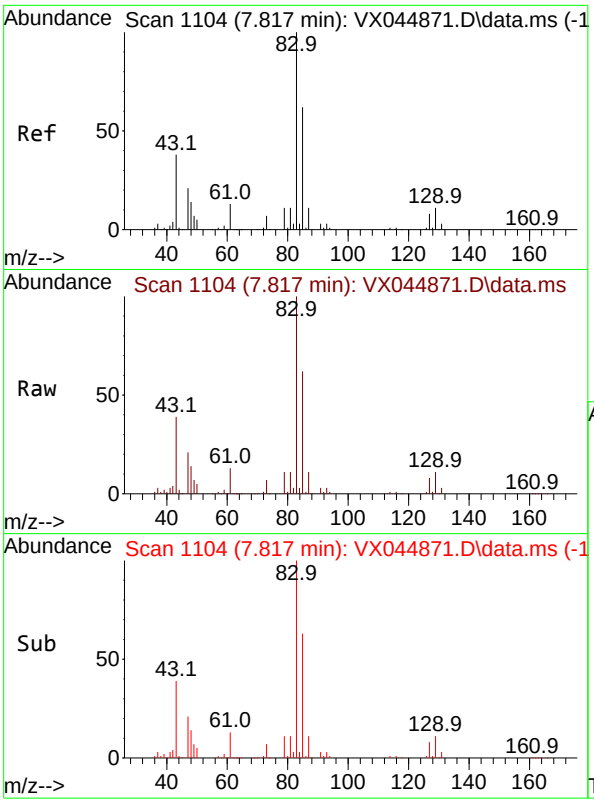


#46
Dibromomethane
Concen: 50.479 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 93 Resp: 59625

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	87.4	69.9	104.9



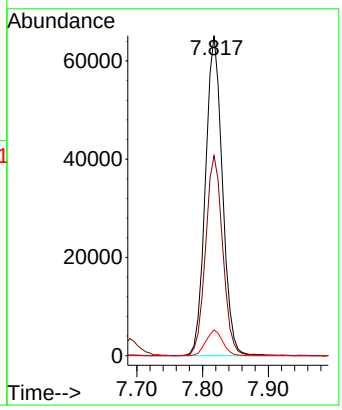


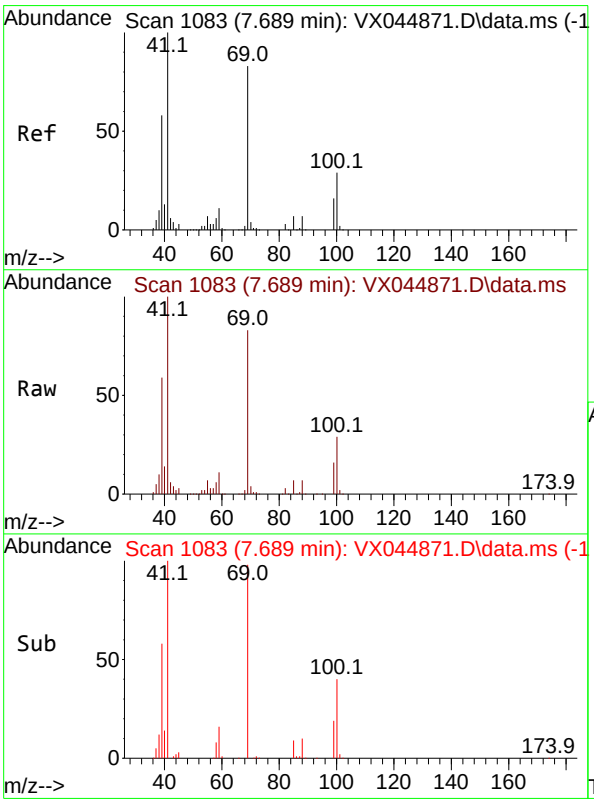
#47
Bromodichloromethane
Concen: 51.108 ug/l
RT: 7.817 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 116892

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.0	75.0
127	8.0	6.4	9.6

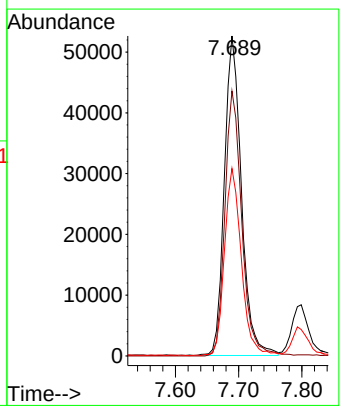


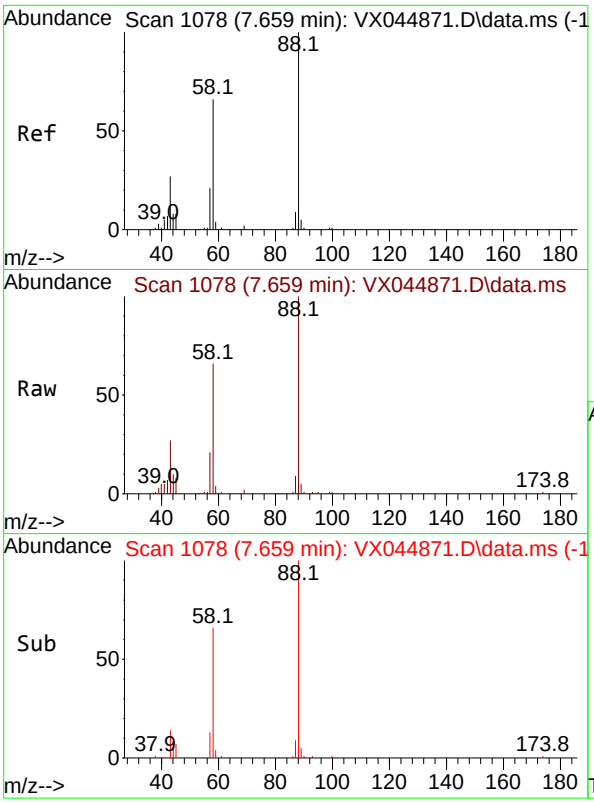


#48
Methyl methacrylate
Concen: 53.057 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 98519

Ion	Ratio	Lower	Upper
41	100		
69	82.3	65.8	98.8
39	58.0	46.4	69.6



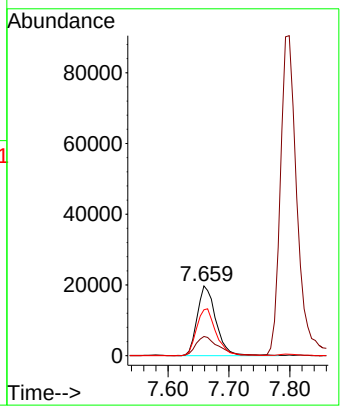


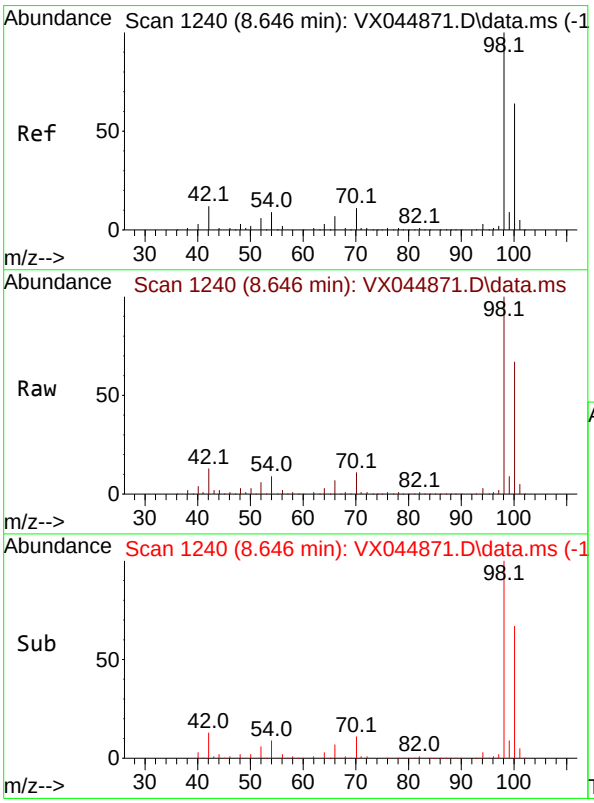
#49
1,4-Dioxane
Concen: 1056.618 ug/l
RT: 7.659 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 42094

Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	39.8
58	69.9	55.9	83.9

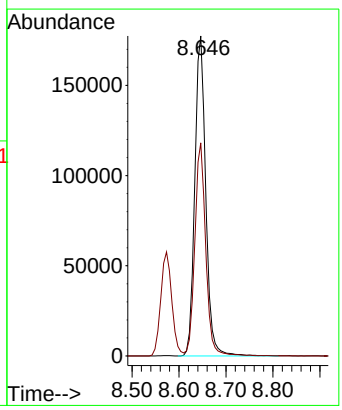


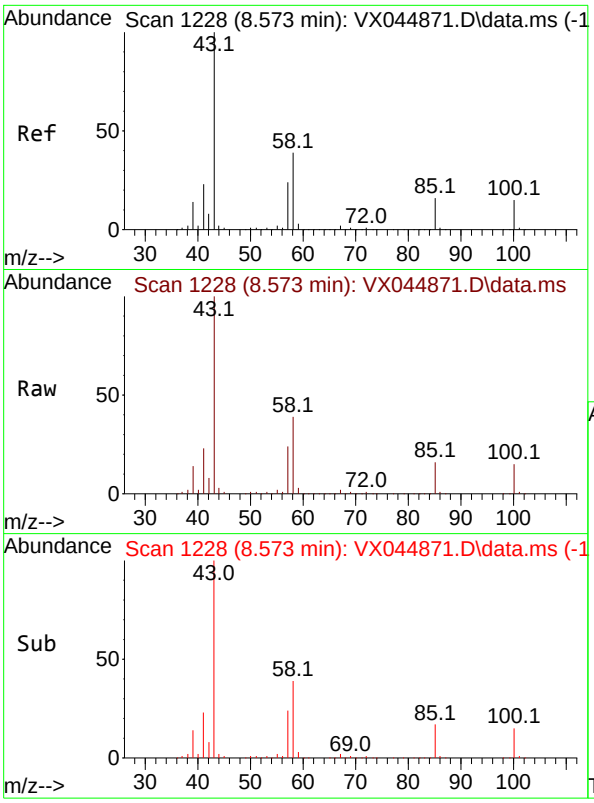


#50
Toluene-d8
Concen: 50.392 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 98 Resp: 289575

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1



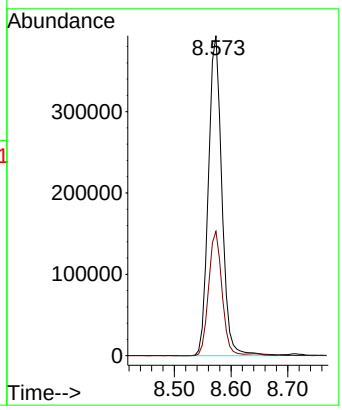


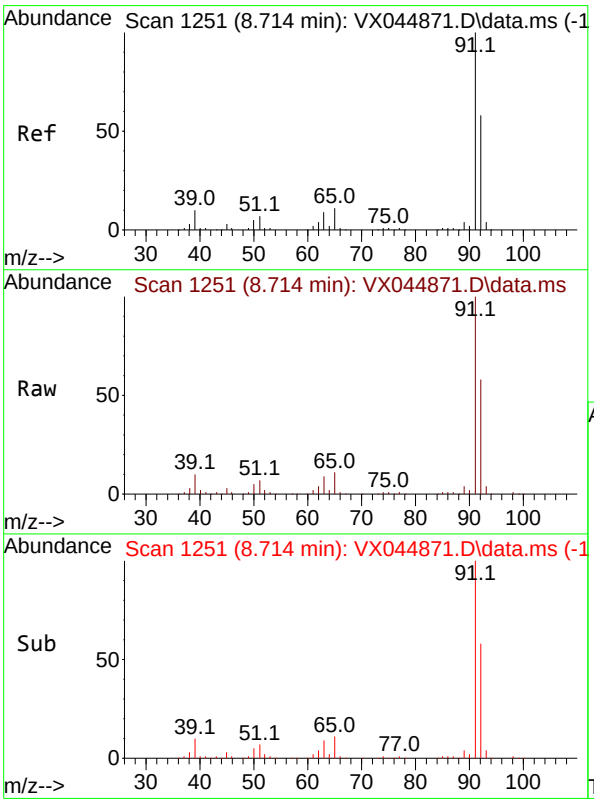
#51
4-Methyl-2-Pentanone
Concen: 270.364 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 647283

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.8	46.2

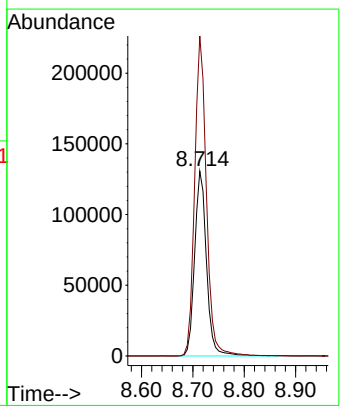


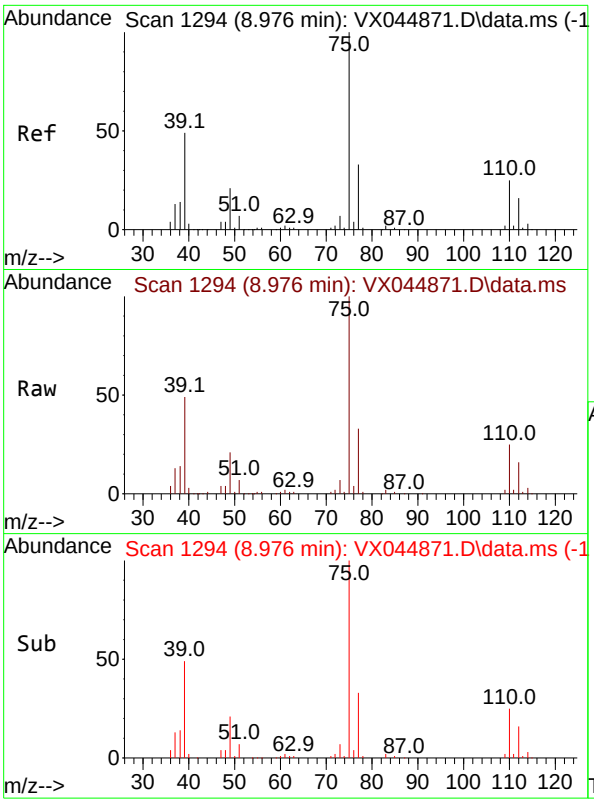


#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 92 Resp: 210007

Ion	Ratio	Lower	Upper
92	100		
91	171.8	137.4	206.2



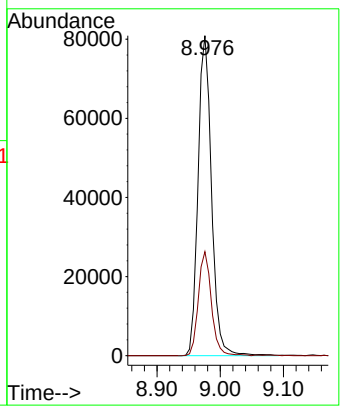


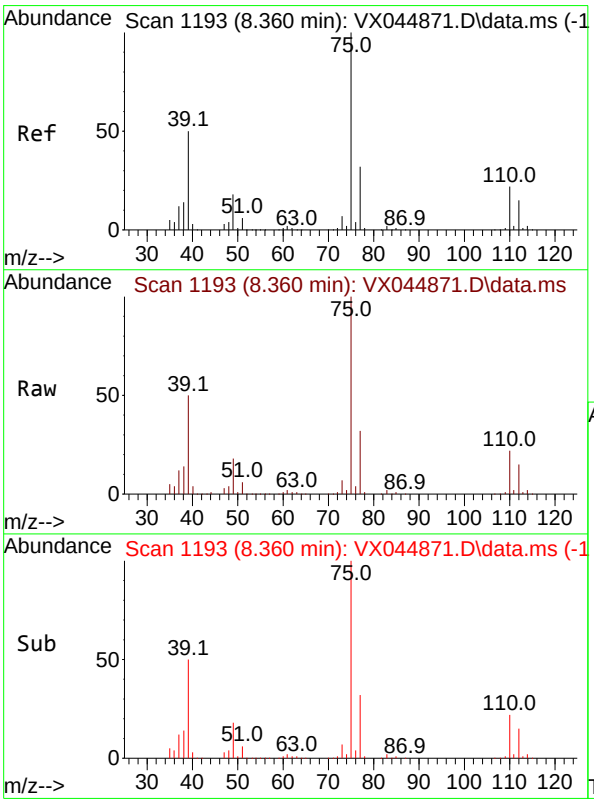
#53
t-1,3-Dichloropropene
Concen: 51.902 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 120125

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.0	39.0

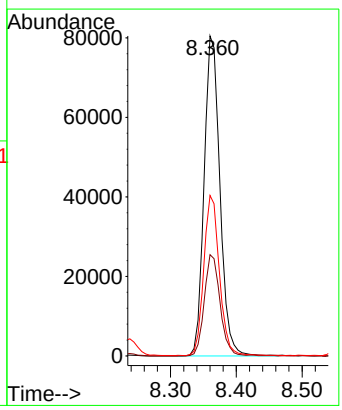


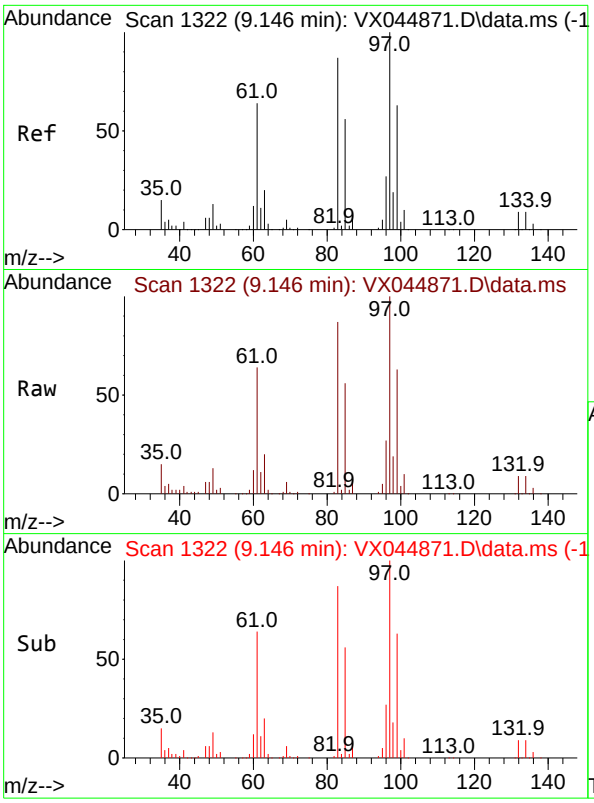


#54
cis-1,3-Dichloropropene
Concen: 52.223 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 134763

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	50.0	40.0	60.0



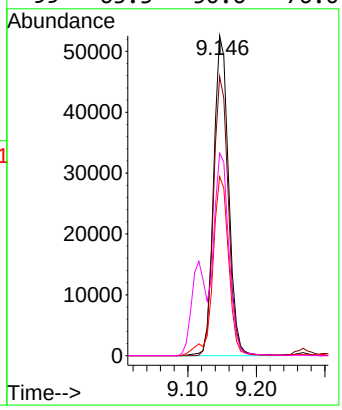


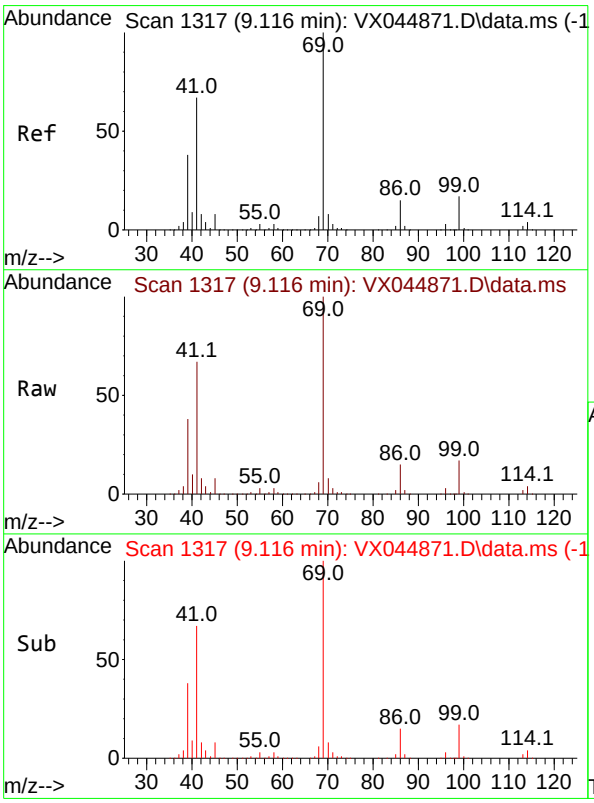
#55
1,1,2-Trichloroethane
Concen: 50.876 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 79741

Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.8	104.6
85	56.0	44.8	67.2
99	63.3	50.6	76.0

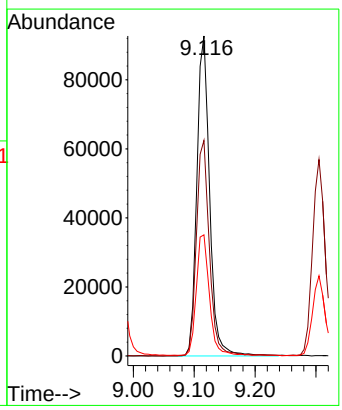


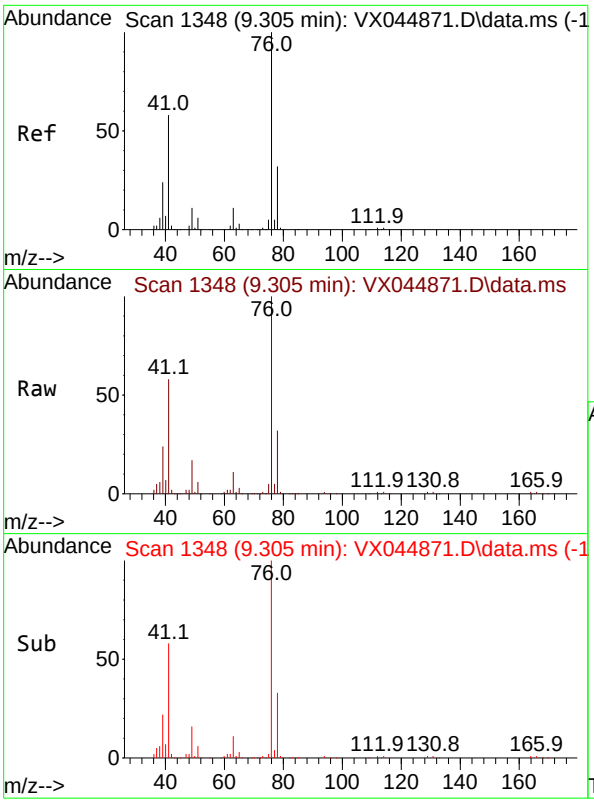


#56
Ethyl methacrylate
Concen: 53.319 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 69 Resp: 134975

Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.2	82.8
39	38.5	30.8	46.2



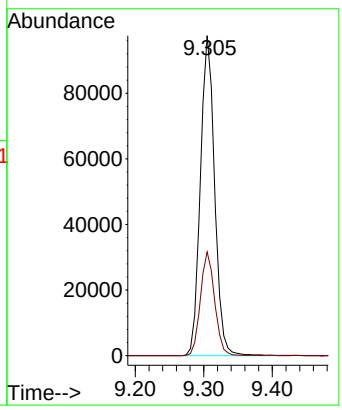


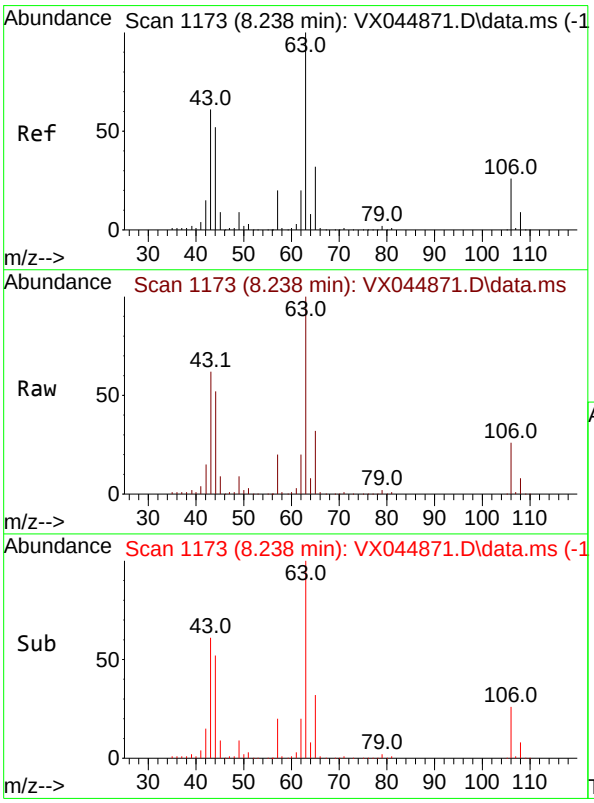
#57
1,3-Dichloropropane
Concen: 51.537 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 141335

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

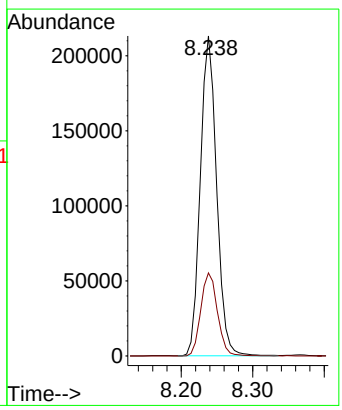


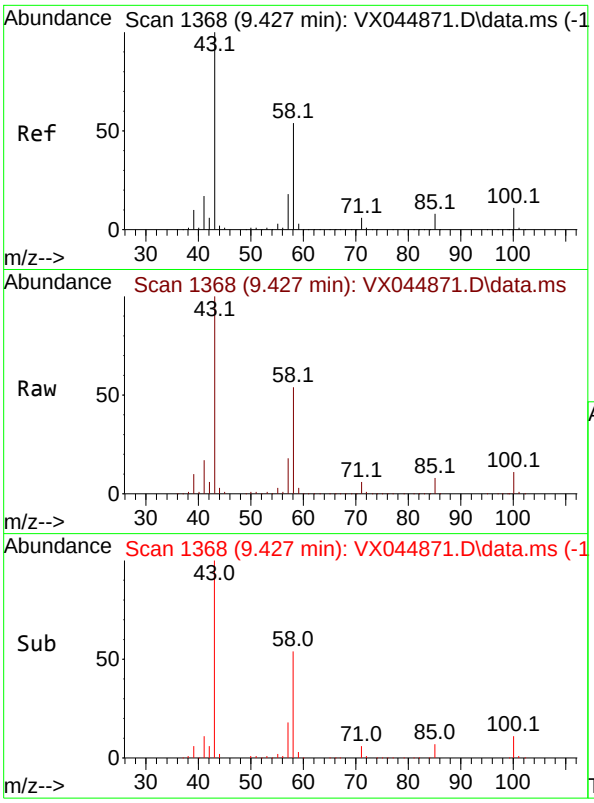


#58
2-Chloroethyl Vinyl ether
Concen: 270.652 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 336412

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9



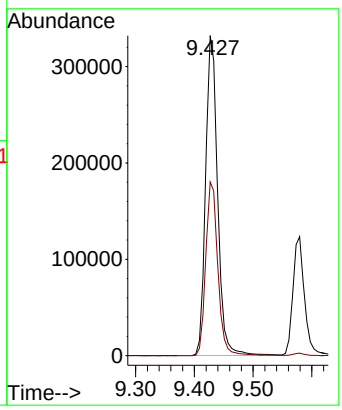


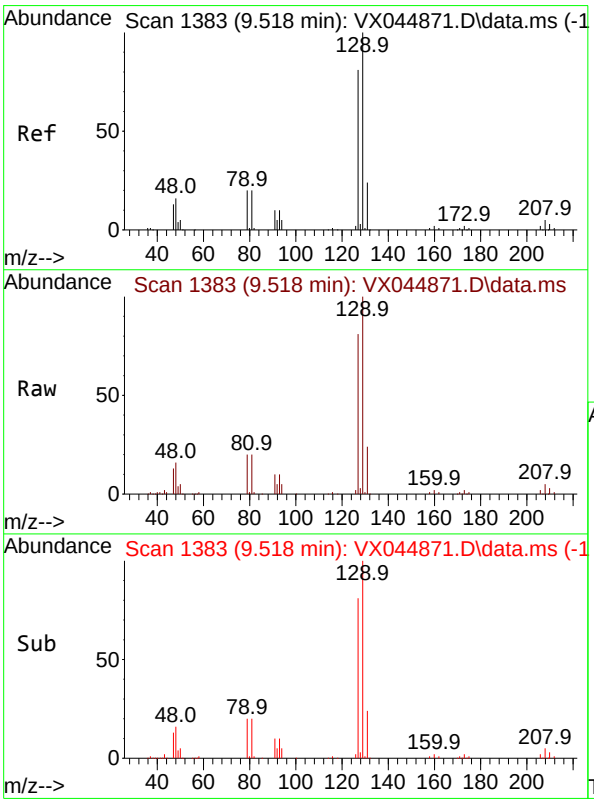
#59
2-Hexanone
Concen: 273.800 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 472301

Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.5	82.4

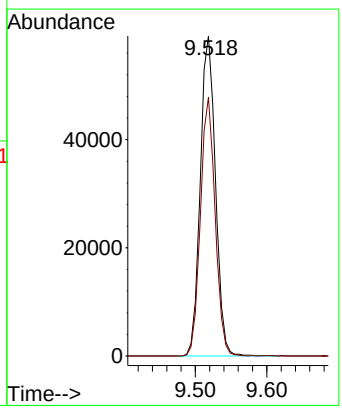


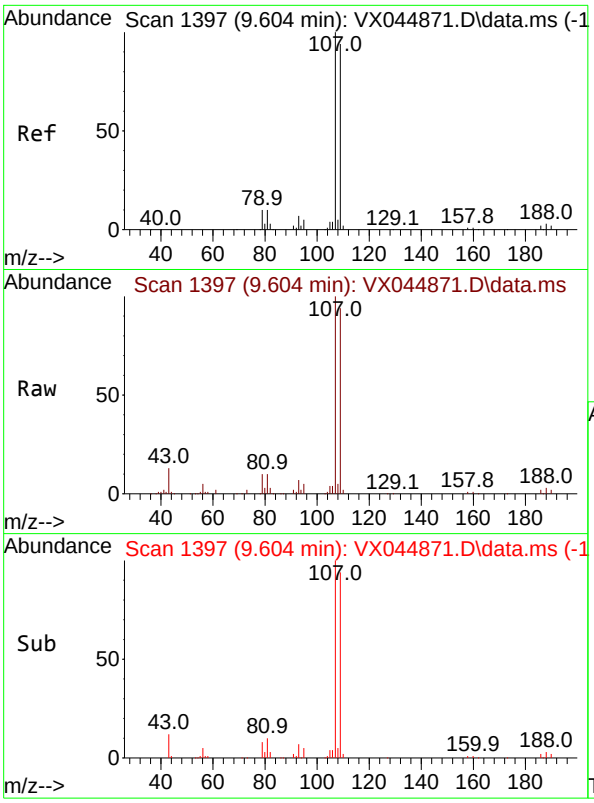


#60
Dibromochloromethane
Concen: 52.045 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:129 Resp: 87240

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3



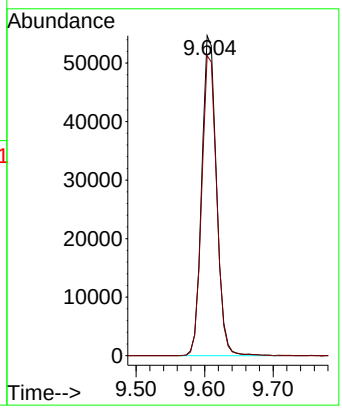


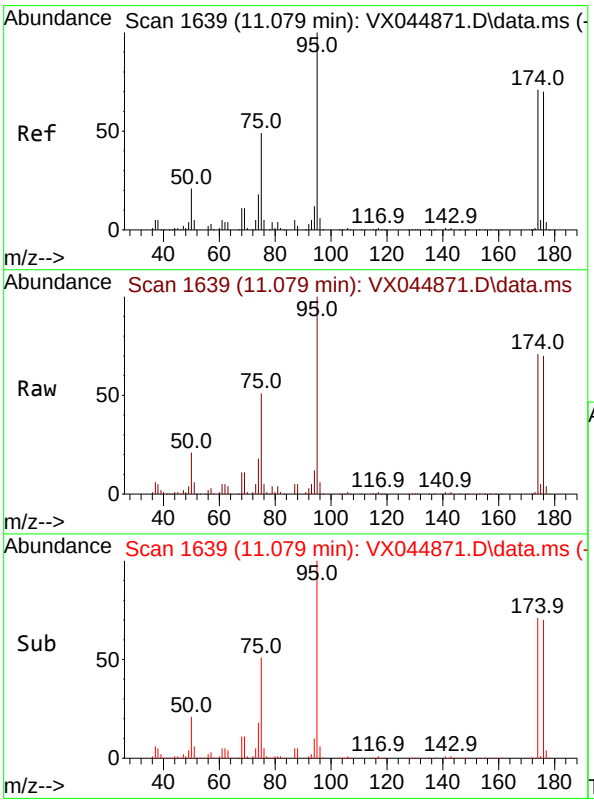
#61
1,2-Dibromoethane
Concen: 51.564 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 81915

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

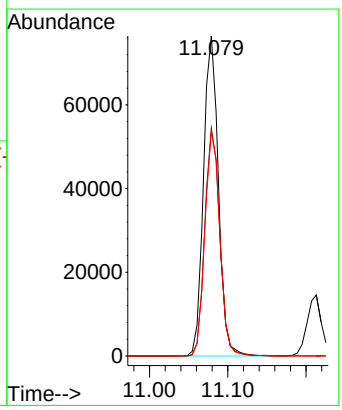


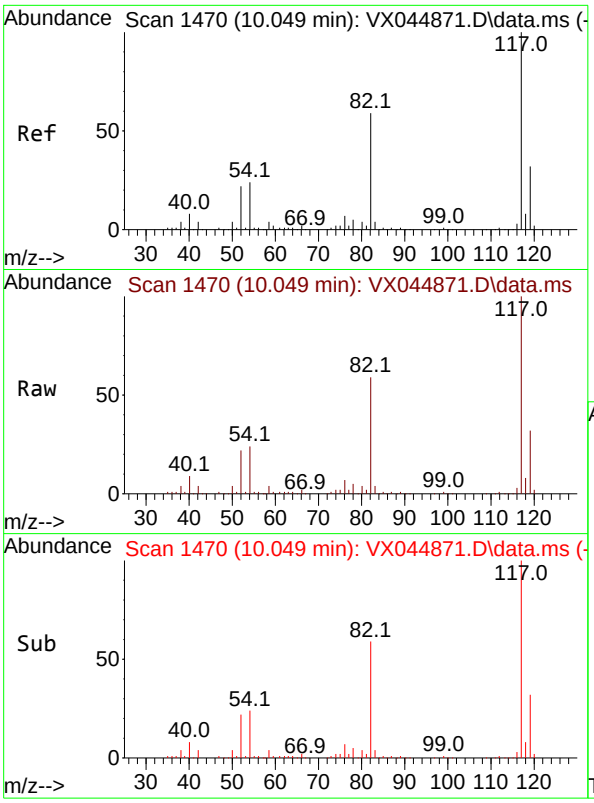


#62
4-Bromofluorobenzene
Concen: 52.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 95 Resp: 100798

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	142.6
176	70.8	0.0	141.6



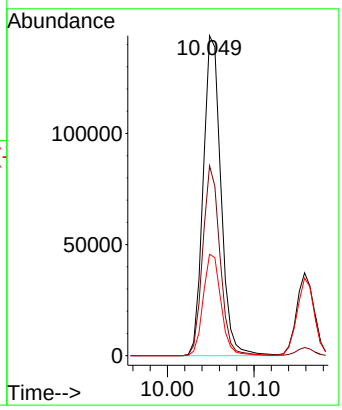


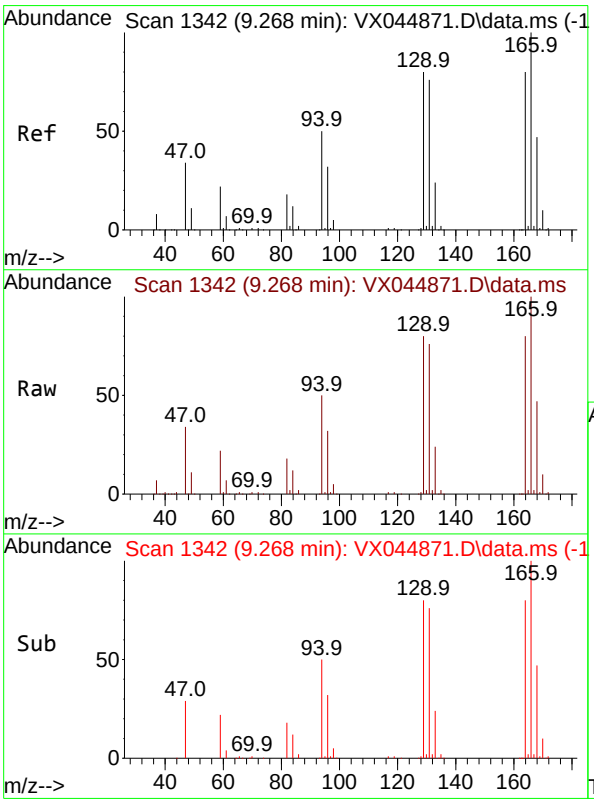
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 204751

Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.5	71.3
119	31.7	25.4	38.0

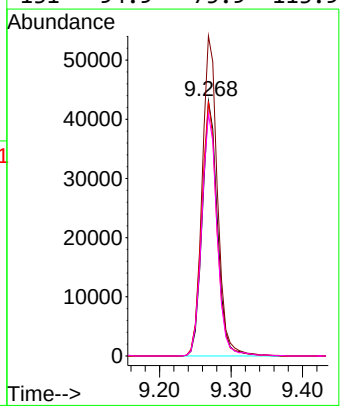


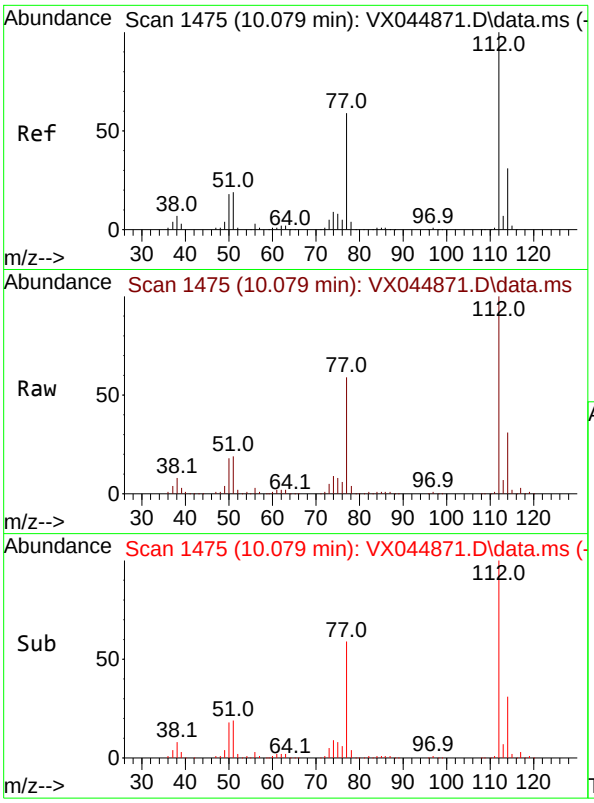


#64
Tetrachloroethene
Concen: 49.206 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:164 Resp: 63537

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	99.9	79.9	119.9
131	94.9	75.9	113.9



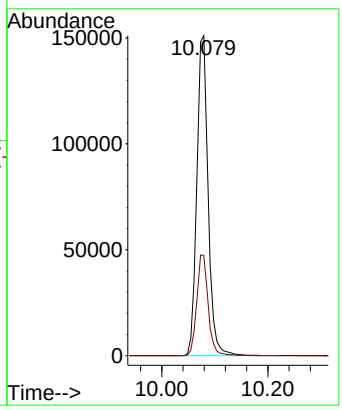


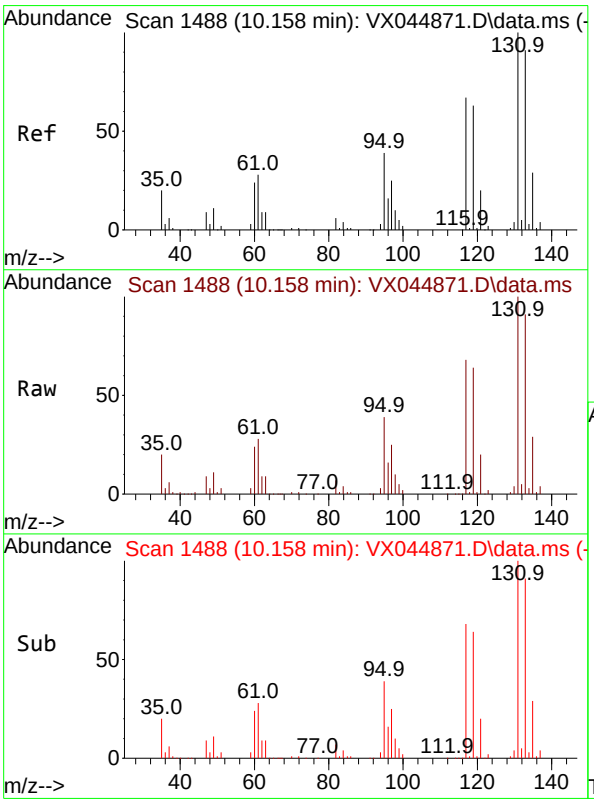
#65
Chlorobenzene
Concen: 51.005 ug/l
RT: 10.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 224306

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

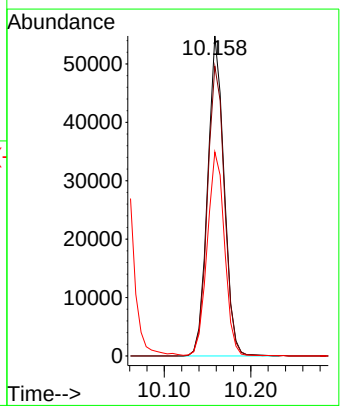


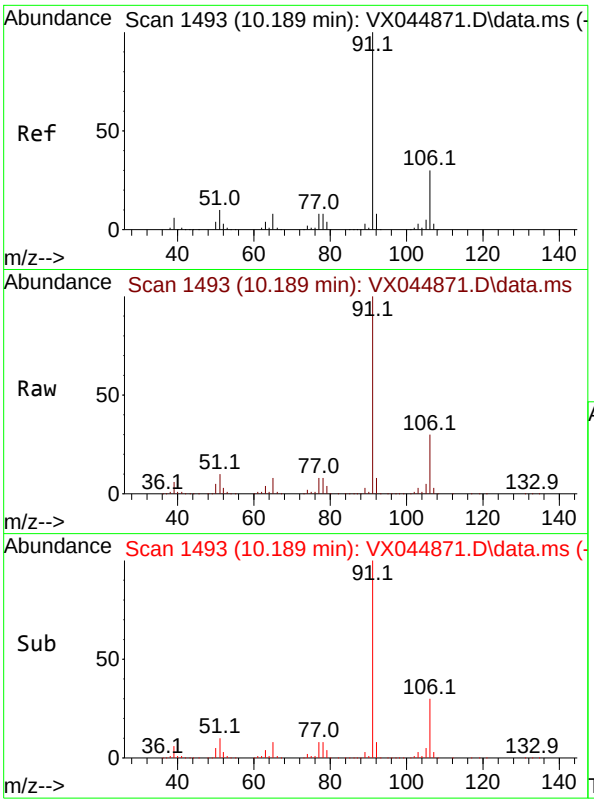


#66
1,1,1,2-Tetrachloroethane
Concen: 51.203 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:131 Resp: 72478

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.1	141.3
119	67.1	33.6	100.6



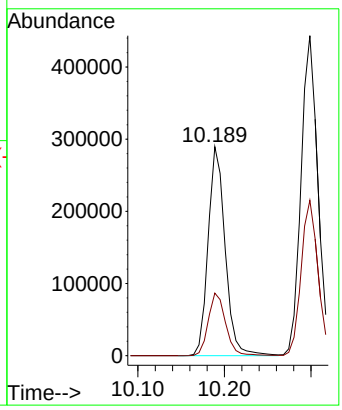


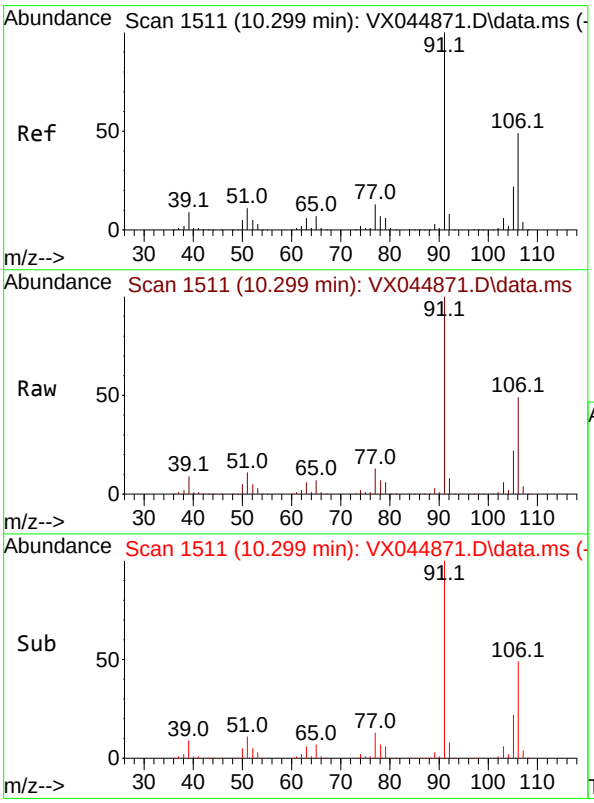
#67
Ethyl Benzene
Concen: 51.061 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 396269

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

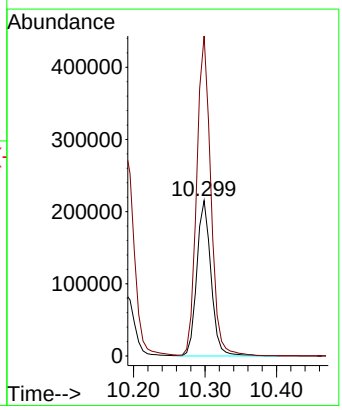


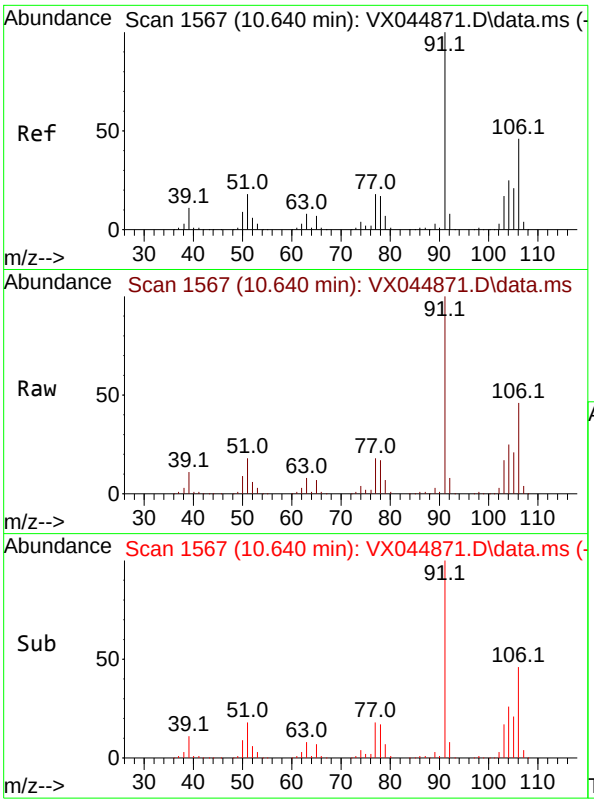


#68
m/p-Xylenes
Concen: 103.573 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:106 Resp: 296507

Ion	Ratio	Lower	Upper
106	100		
91	205.4	164.3	246.5



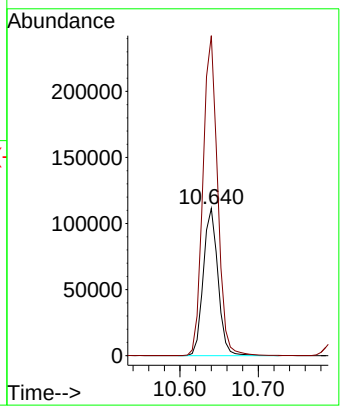


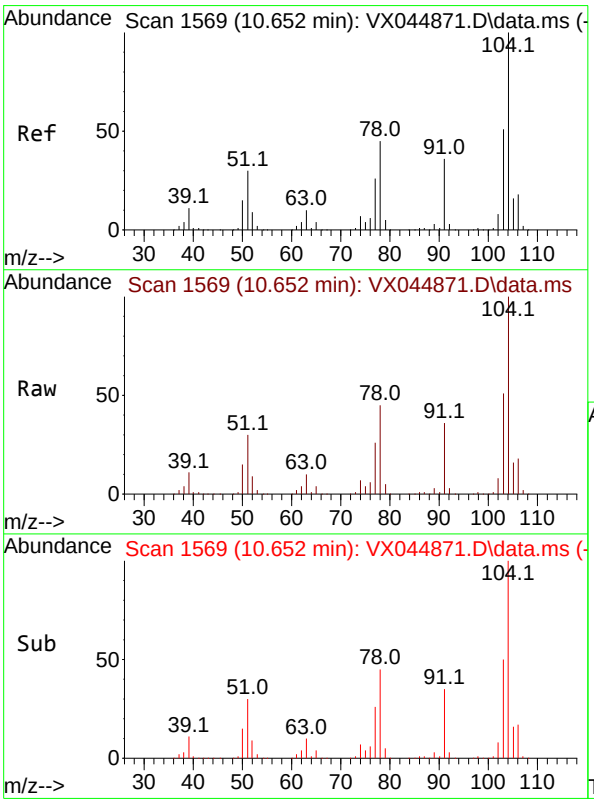
#69
o-Xylene
Concen: 50.409 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 144802

Ion	Ratio	Lower	Upper
106	100		
91	217.0	108.5	325.5

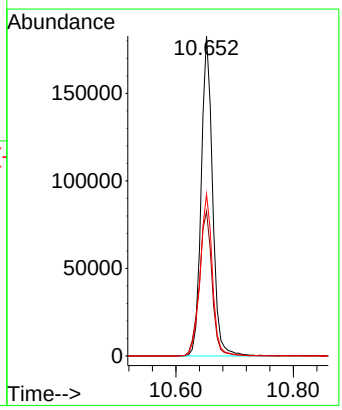


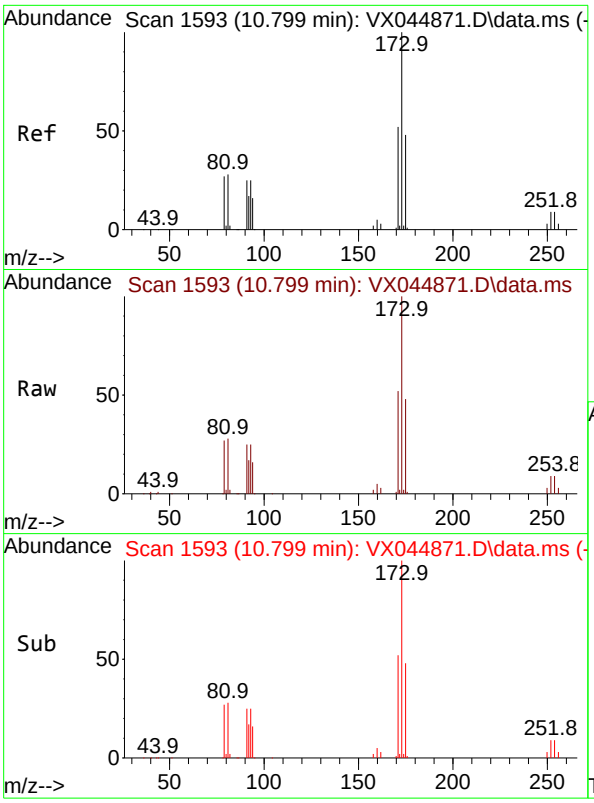


#70
Styrene
Concen: 53.051 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:104 Resp: 245518

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.5	60.7
103	54.5	43.6	65.4



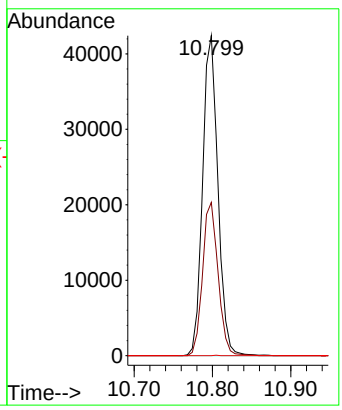


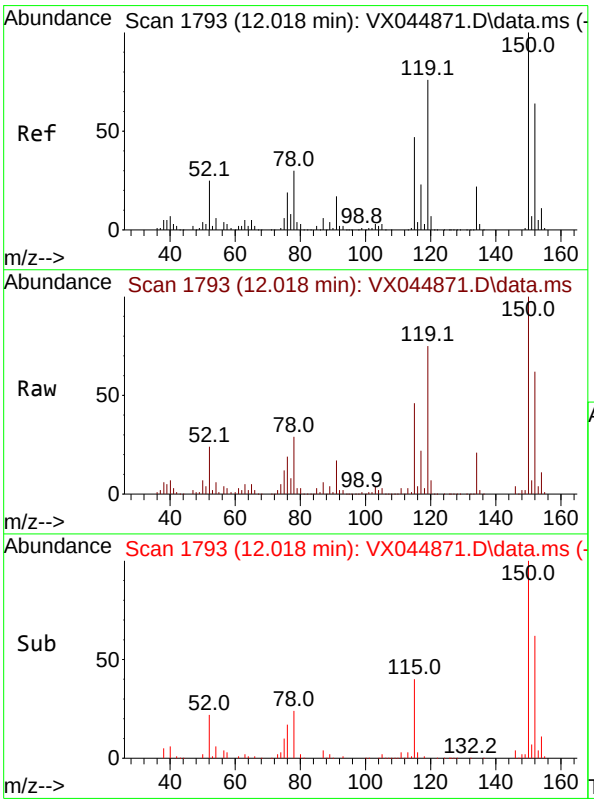
#71
Bromoform
Concen: 54.352 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 57417

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0#

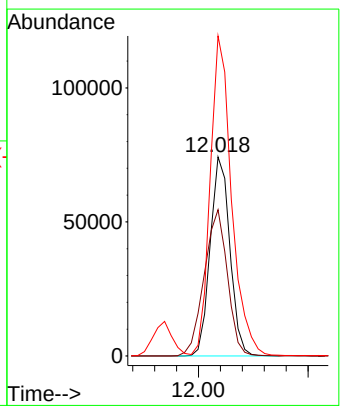


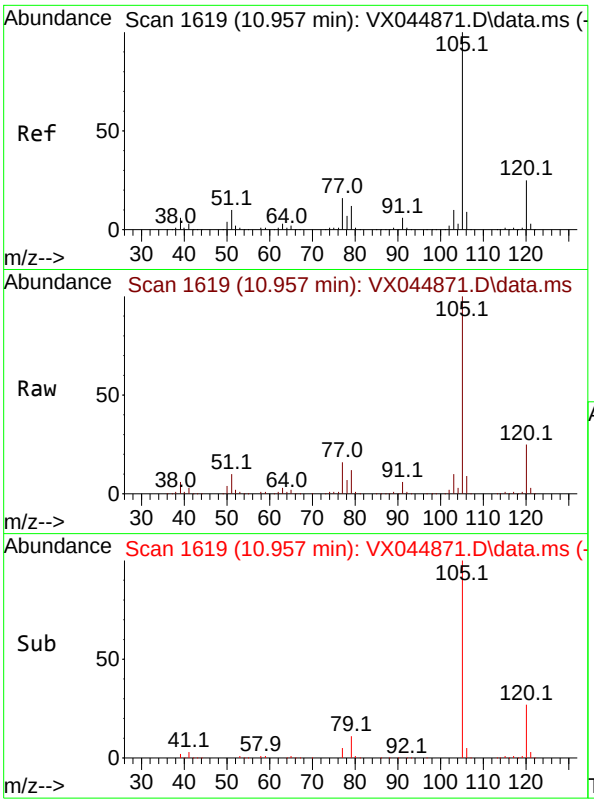


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:152 Resp: 92648

Ion	Ratio	Lower	Upper
152	100		
115	86.7	43.4	130.1
150	175.2	0.0	350.4



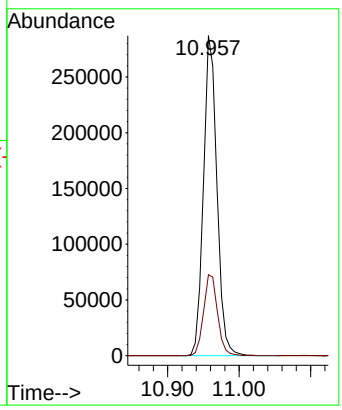


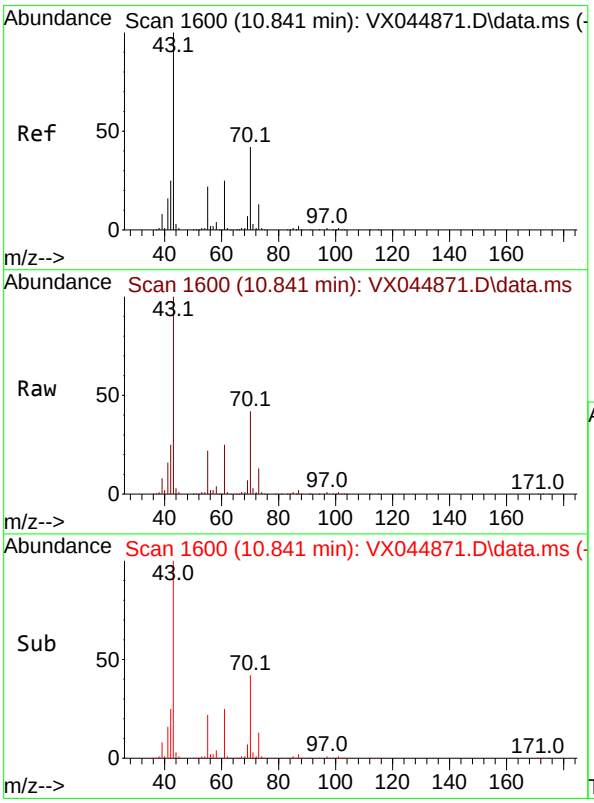
#73
Isopropylbenzene
Concen: 50.239 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 374776

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

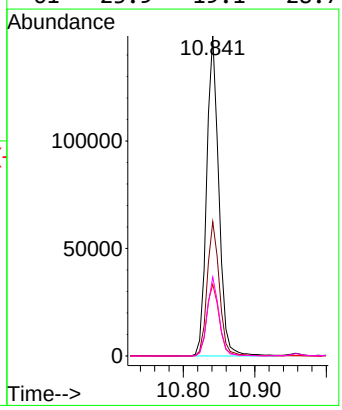


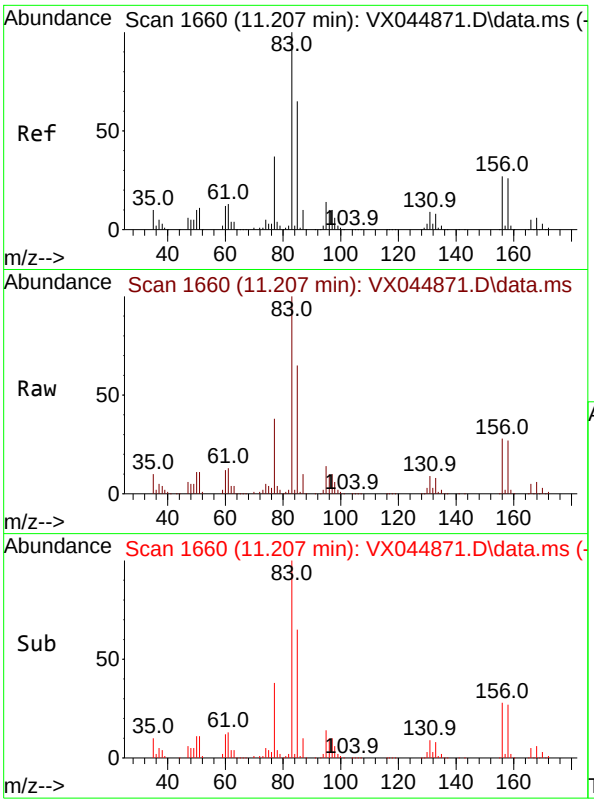


#74
N-amyl acetate
Concen: 52.189 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 176174

Ion	Ratio	Lower	Upper
43	100		
70	42.1	33.7	50.5
55	23.2	18.6	27.8
61	23.9	19.1	28.7



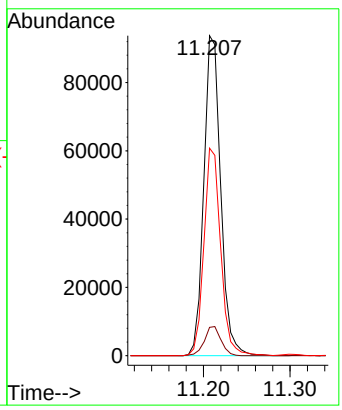


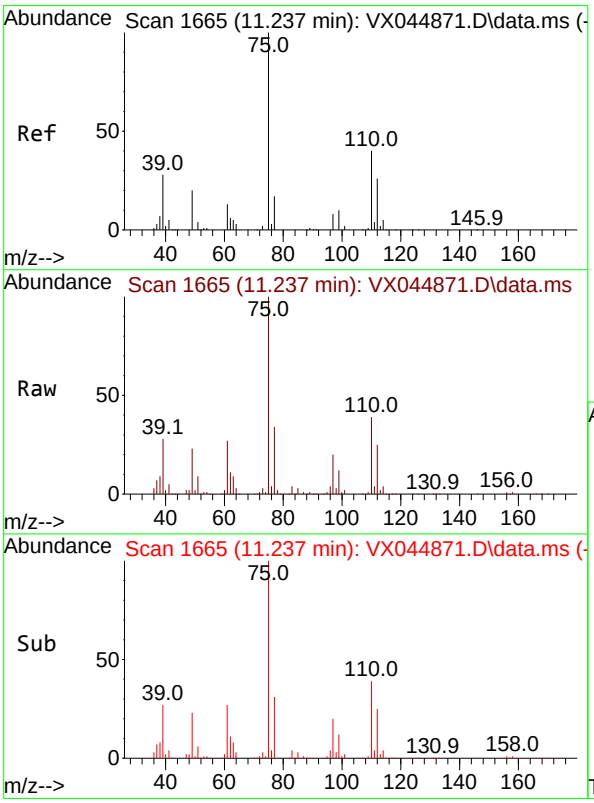
#75
1,1,2,2-Tetrachloroethane
Concen: 49.364 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 126542

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.5
85	64.5	32.3	96.8

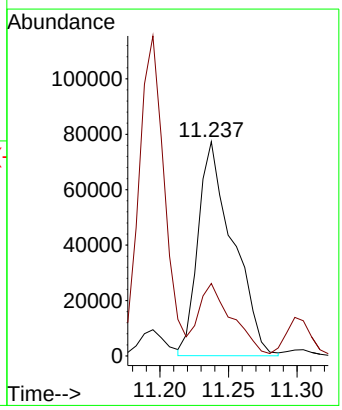


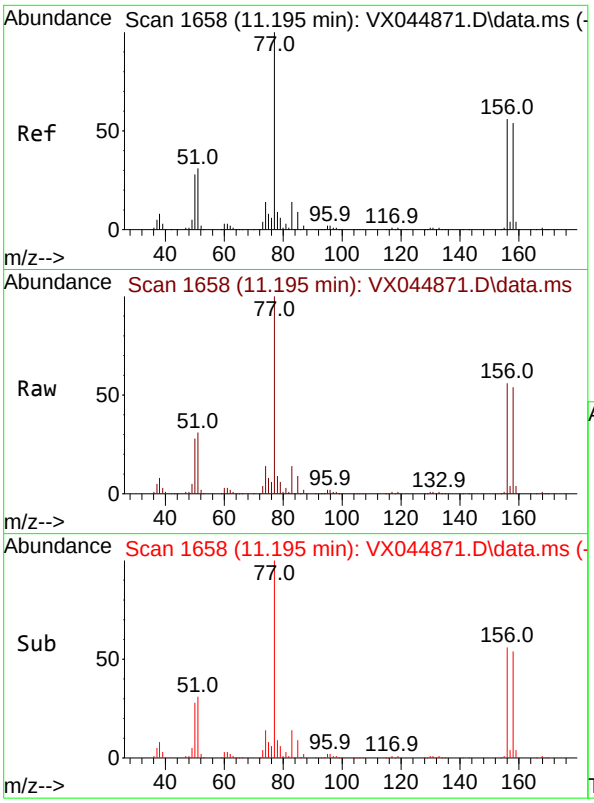


#76
1,2,3-Trichloropropane
Concen: 66.637 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 136881

Ion	Ratio	Lower	Upper
75	100		
77	32.8	21.9	65.7



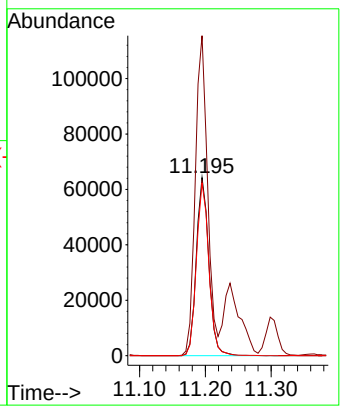


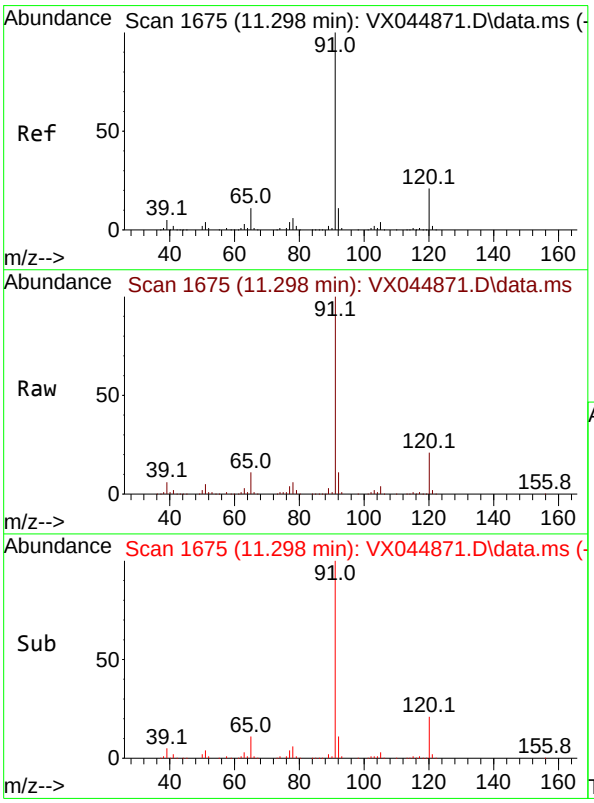
#77
Bromobenzene
Concen: 49.931 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 84448

Ion	Ratio	Lower	Upper
156	100		
77	176.9	88.4	265.3
158	96.8	48.4	145.2

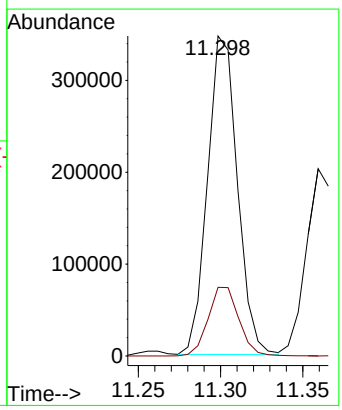


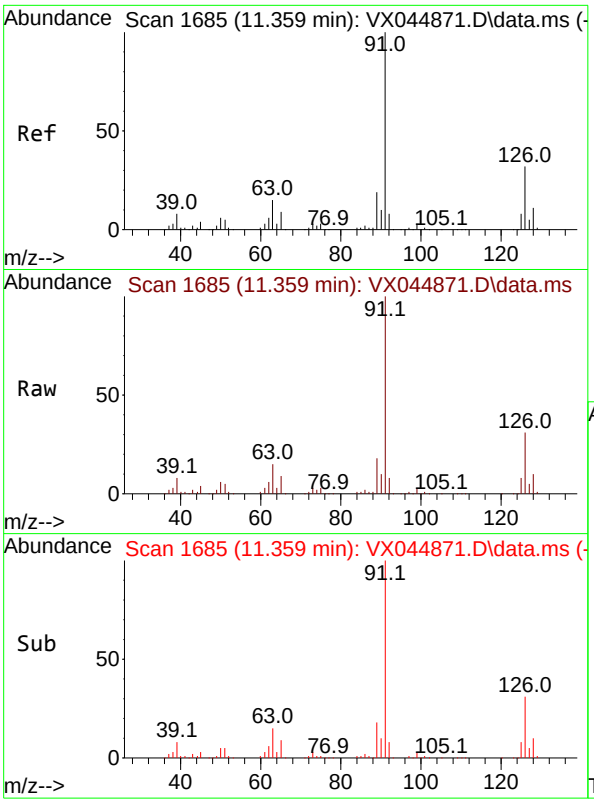


#78
n-propylbenzene
Concen: 50.818 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 437572

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3



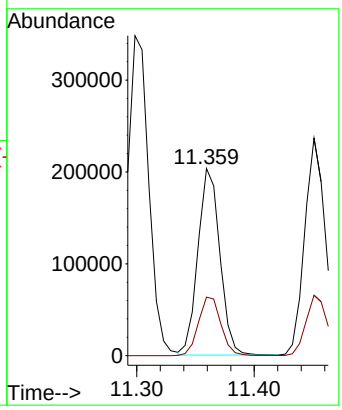


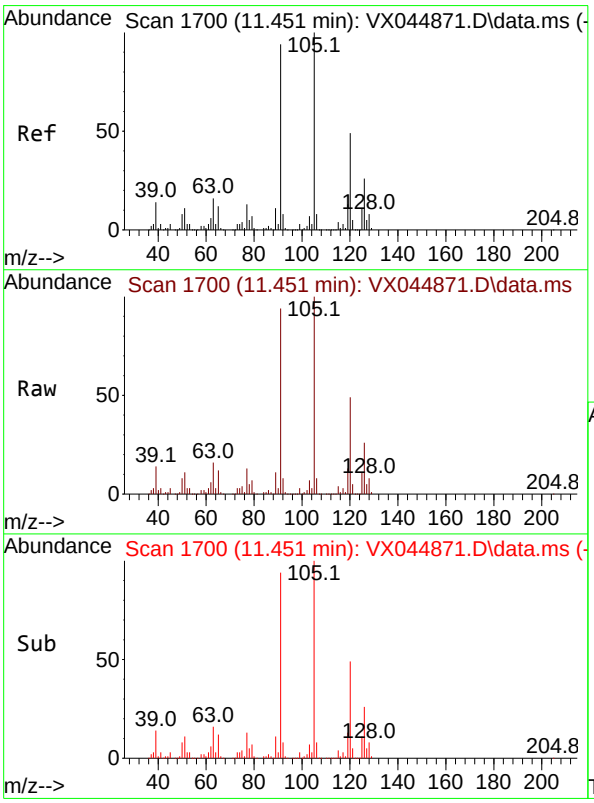
#79
2-Chlorotoluene
Concen: 49.749 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 263269

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6

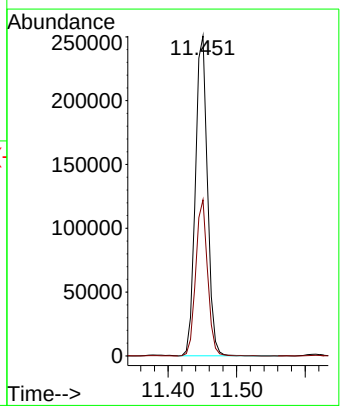


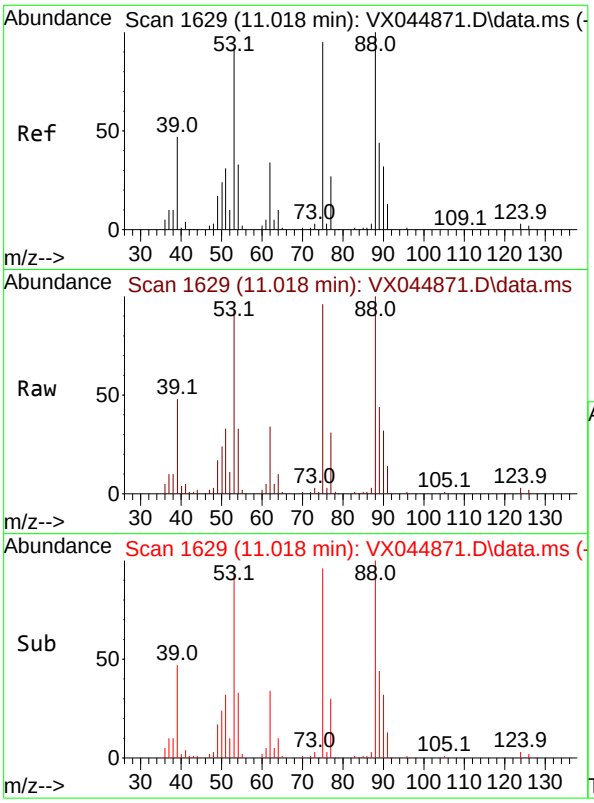


#80
1,3,5-Trimethylbenzene
Concen: 50.789 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 307465

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0



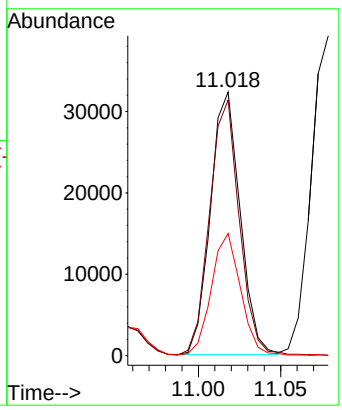


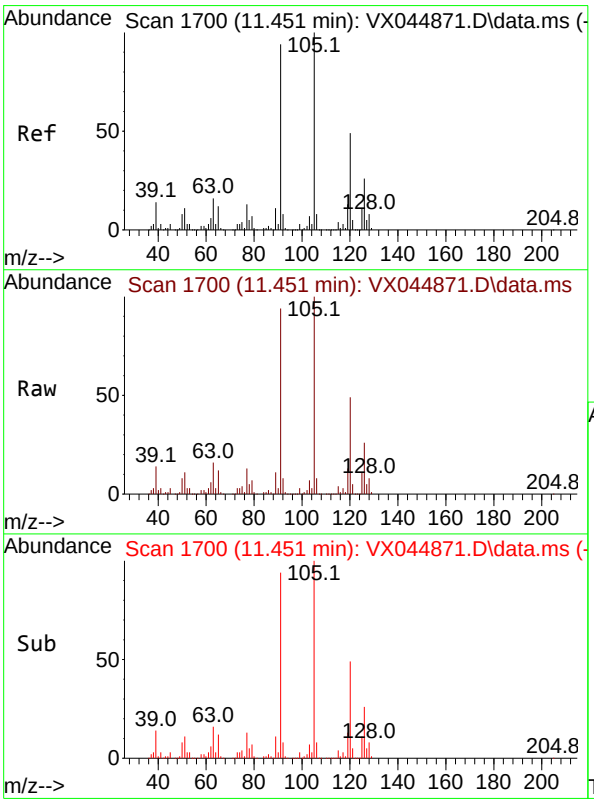
#81
trans-1,4-Dichloro-2-butene
Concen: 50.701 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 40487

Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.0	117.0
89	45.7	36.6	54.8

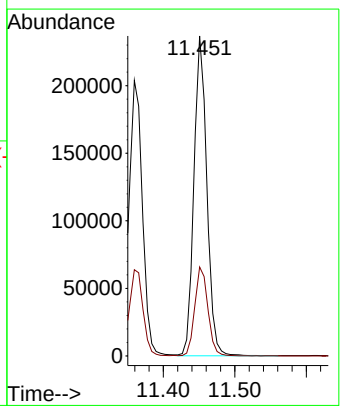


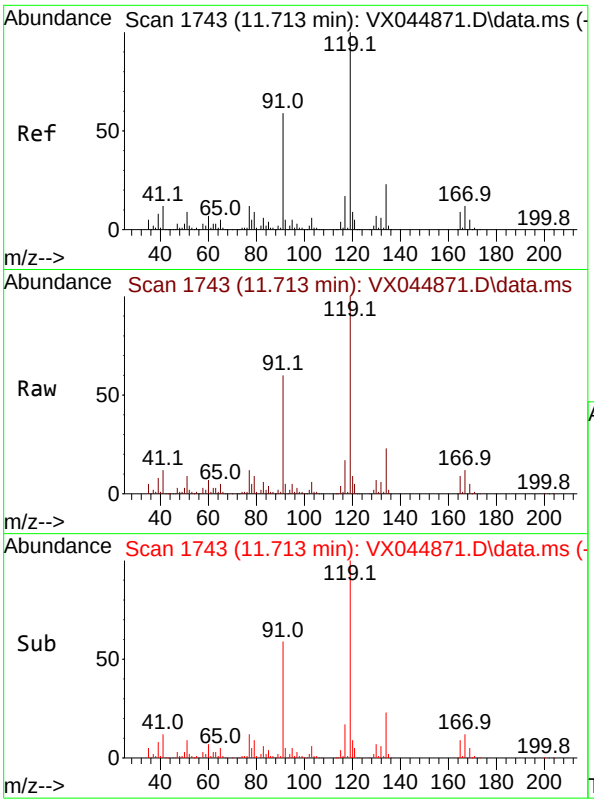


#82
4-Chlorotoluene
Concen: 50.531 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 295844

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



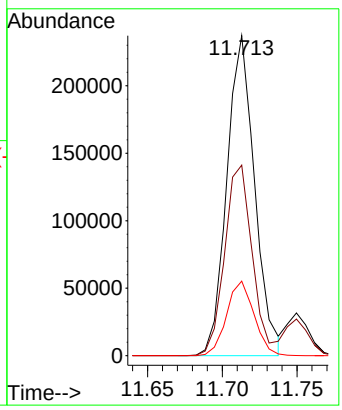


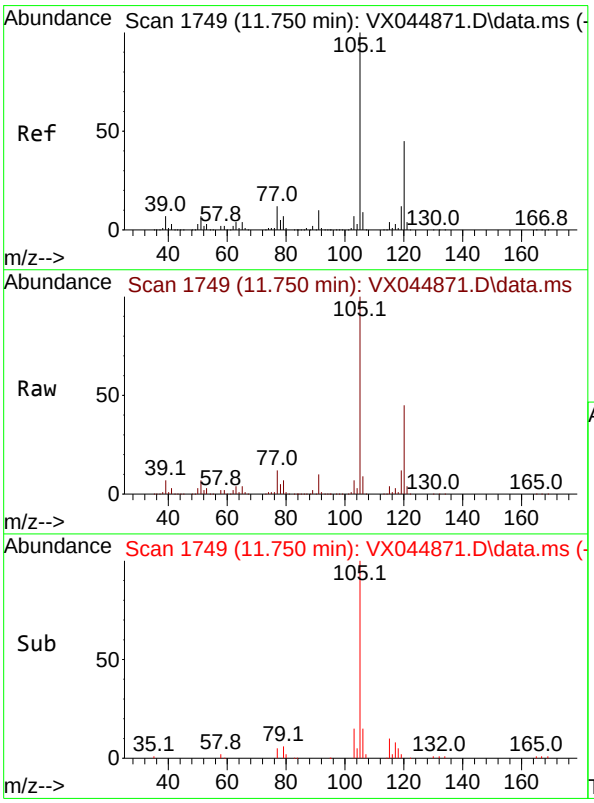
#83
tert-Butylbenzene
Concen: 50.102 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 306830

Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.1	87.4
134	23.0	11.5	34.5

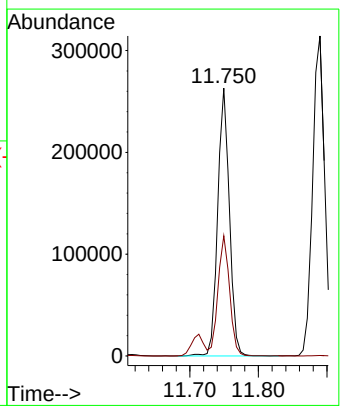


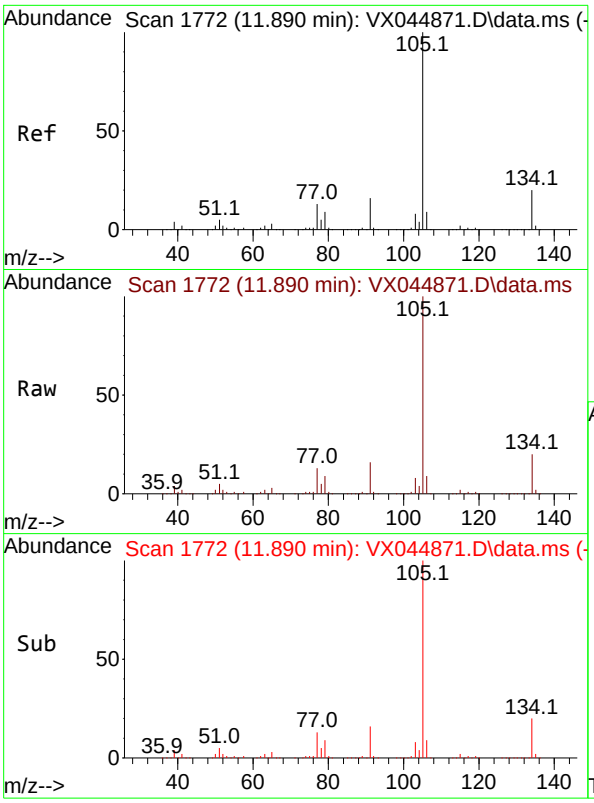


#84
1,2,4-Trimethylbenzene
Concen: 52.085 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 311205

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.0



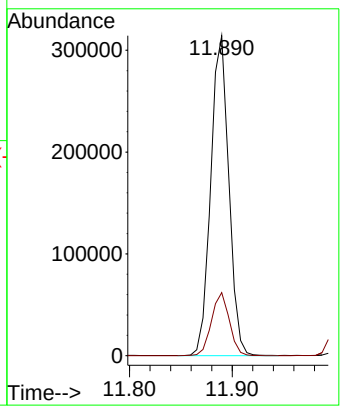


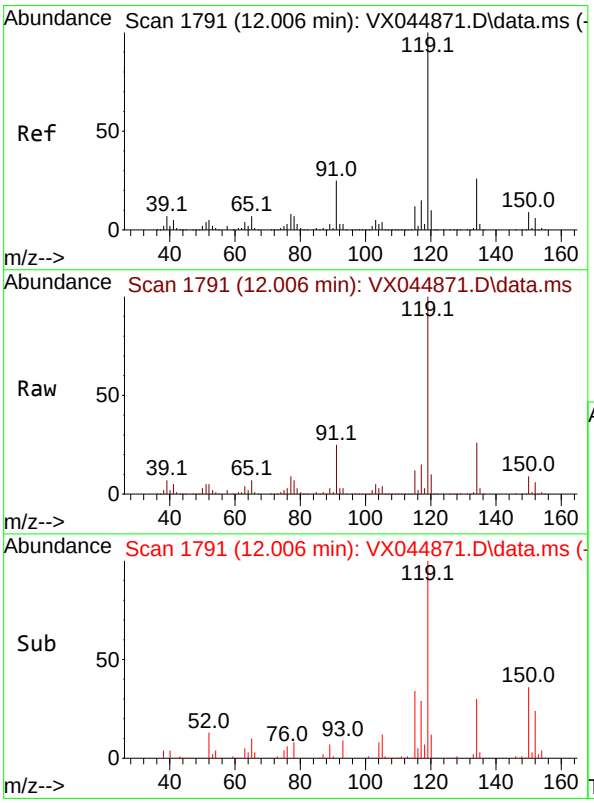
#85
sec-Butylbenzene
Concen: 50.657 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 384155

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

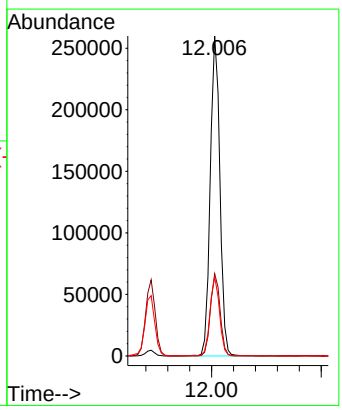


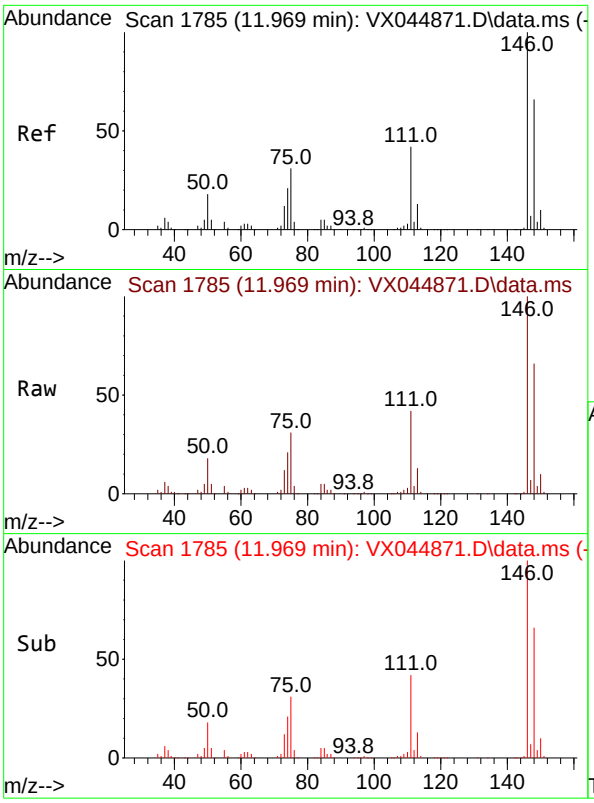


#86
p-Isopropyltoluene
Concen: 51.689 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:119 Resp: 315226

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.2	12.1	36.3



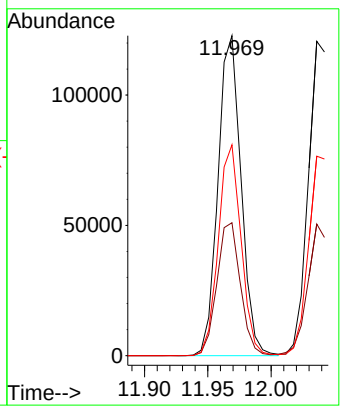


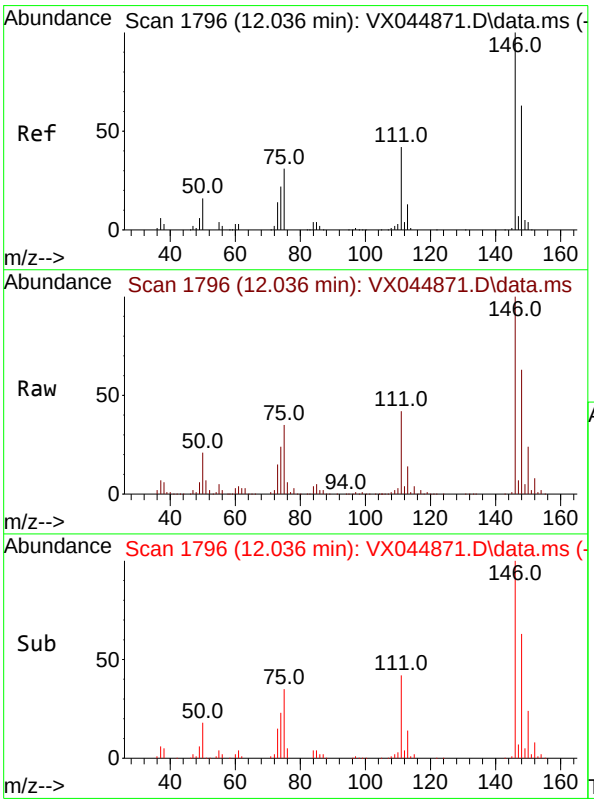
#87
1,3-Dichlorobenzene
Concen: 50.021 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 155575

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	65.0	32.5	97.5

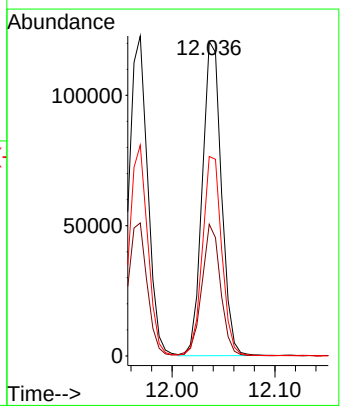


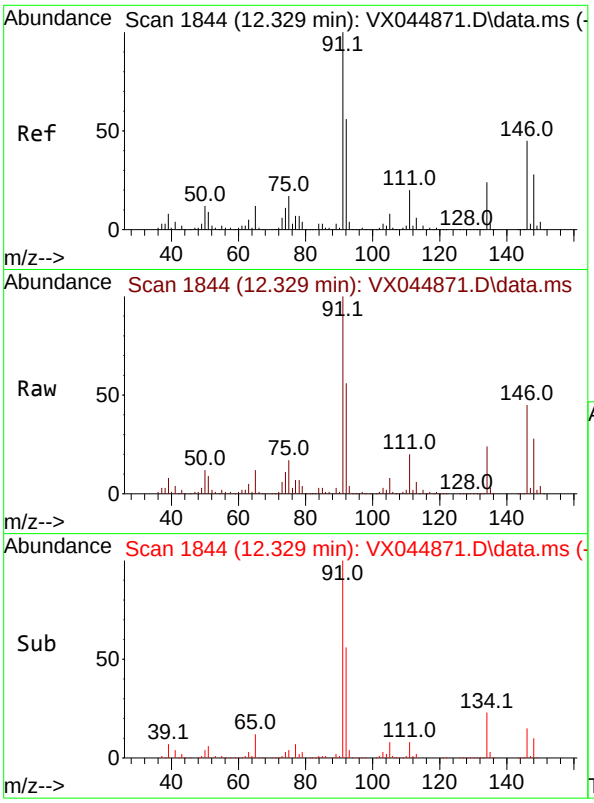


#88
1,4-Dichlorobenzene
Concen: 49.657 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 156162

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	64.0	32.0	96.0



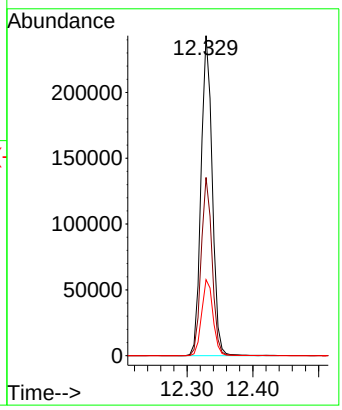


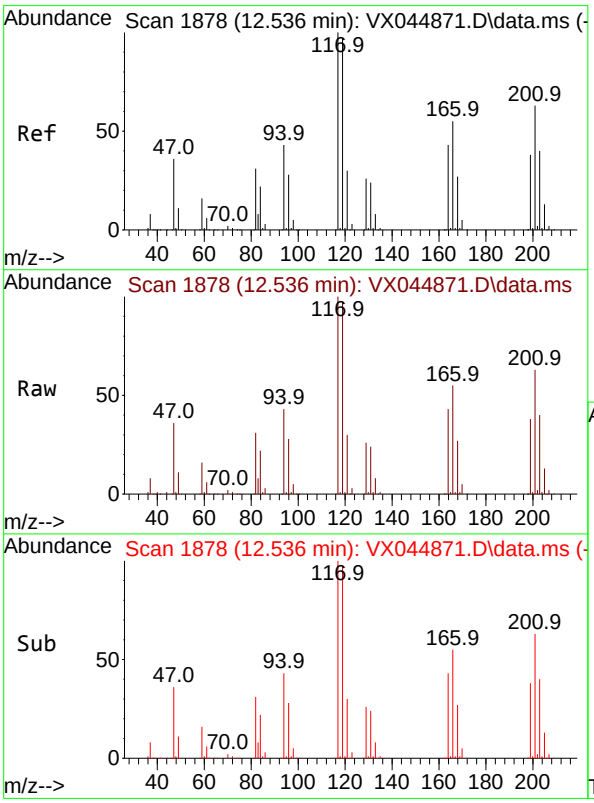
#89
n-Butylbenzene
Concen: 53.315 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 287649

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.6
134	24.2	12.1	36.3

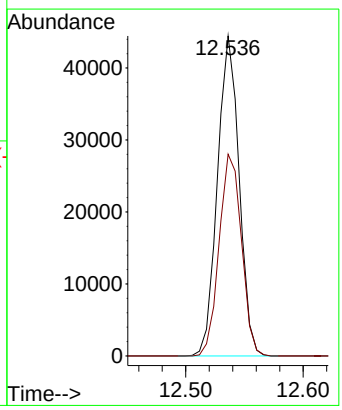


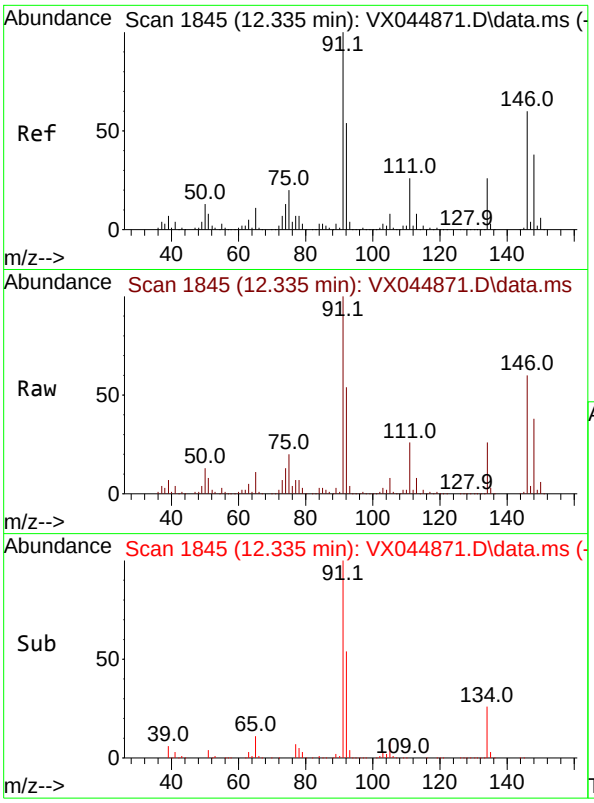


#90
Hexachloroethane
Concen: 49.874 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:117 Resp: 56951

Ion	Ratio	Lower	Upper
117	100		
201	65.0	32.5	97.5



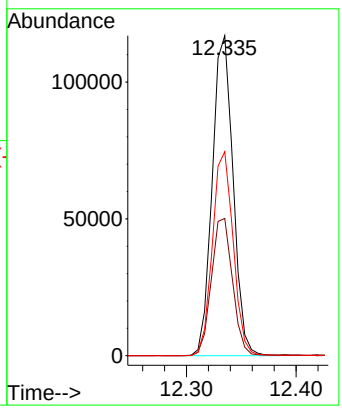


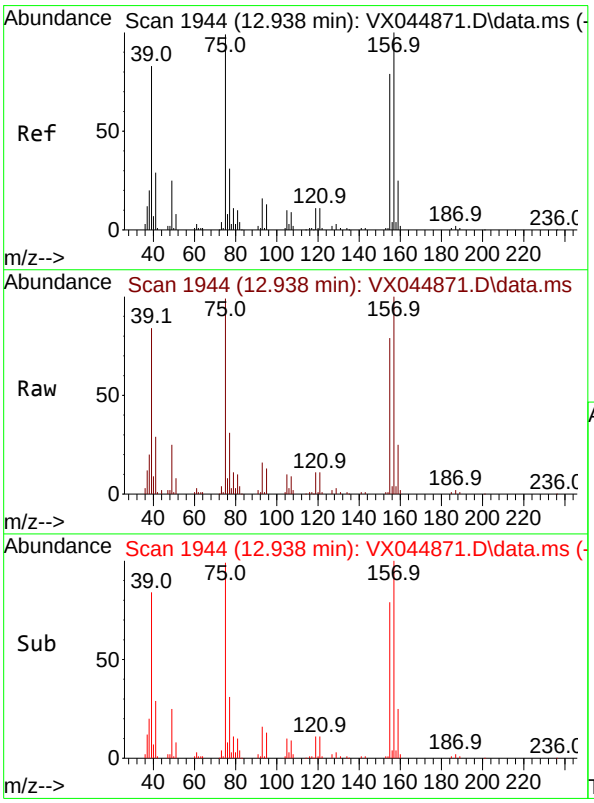
#91
1,2-Dichlorobenzene
Concen: 50.500 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 154364

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	63.9	31.9	95.9

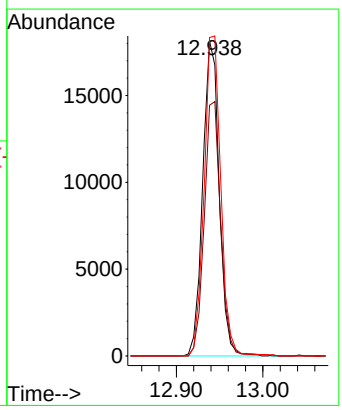


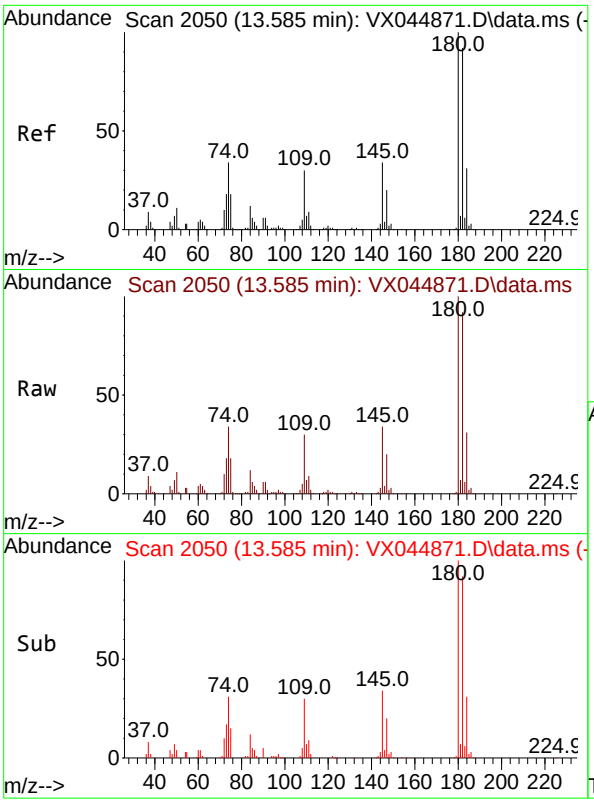


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.135 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 23924

Ion	Ratio	Lower	Upper
75	100		
155	80.9	40.5	121.4
157	102.9	51.4	154.3



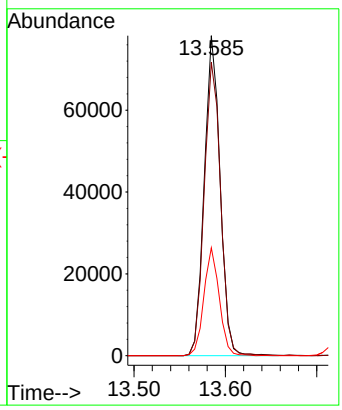


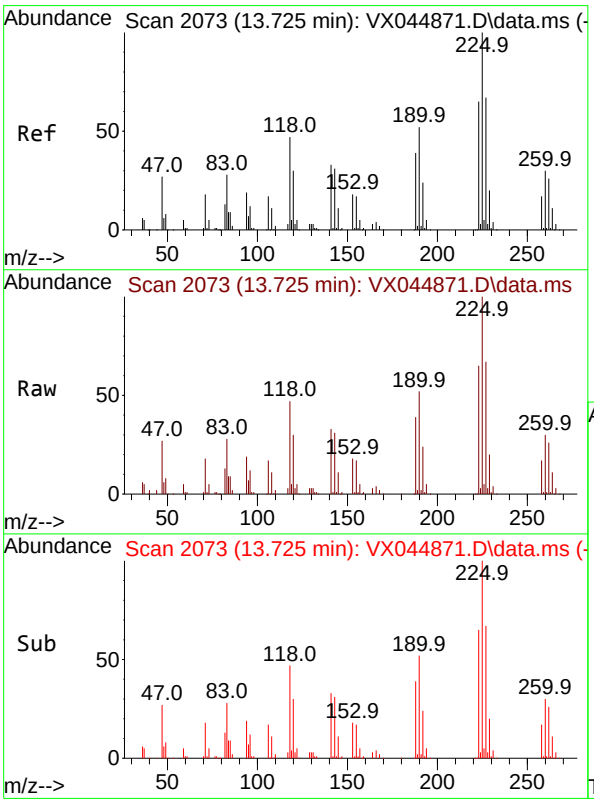
#93
1,2,4-Trichlorobenzene
Concen: 50.747 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 93863

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	32.7	16.4	49.1

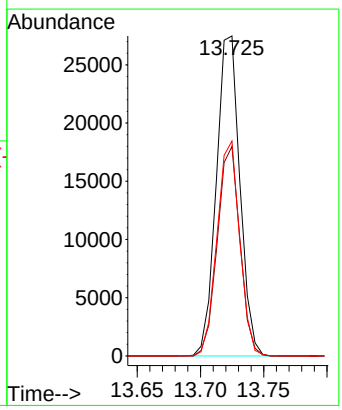


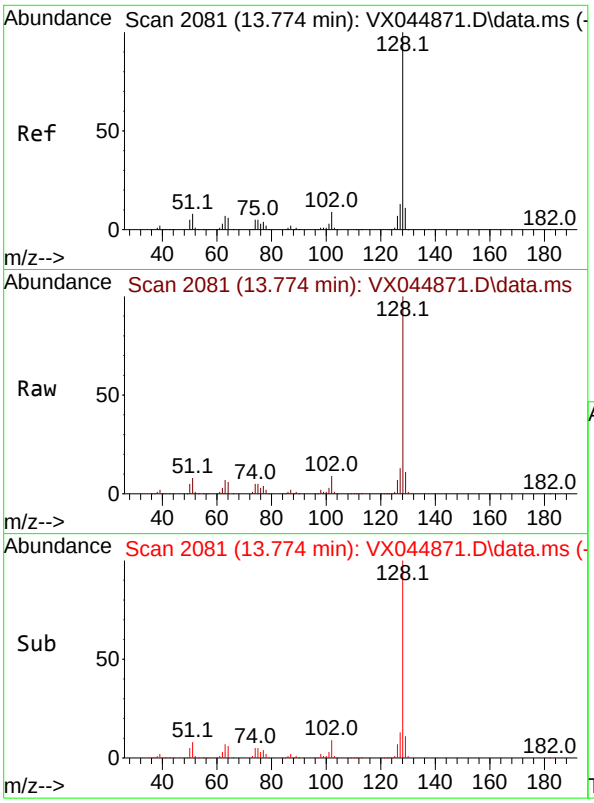


#94
Hexachlorobutadiene
Concen: 48.321 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:225 Resp: 35481

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	64.5	32.3	96.8



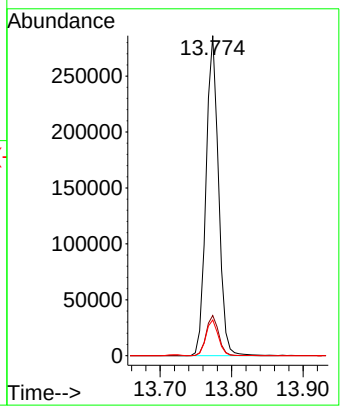


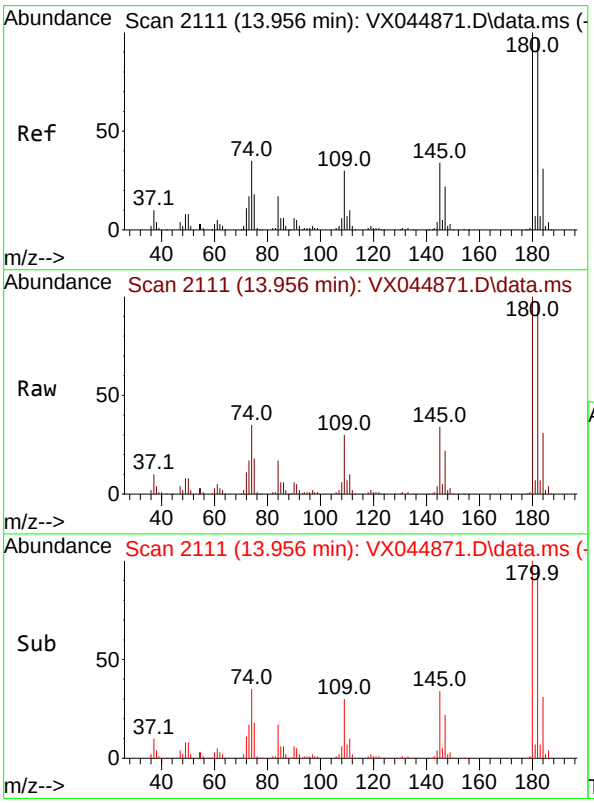
#95
Naphthalene
Concen: 51.995 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 347645

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.1	8.9	13.3

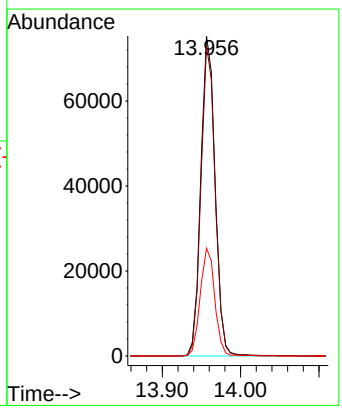




#96
1,2,3-Trichlorobenzene
Concen: 51.245 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:180 Resp: 95510

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	34.2	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	236372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	183093	96.580	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 193.160%#			
35) Dibromofluoromethane	5.373	113	151228	98.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 196.800%#			
50) Toluene-d8	8.647	98	570976	98.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 196.500%#			
62) 4-Bromofluorobenzene	11.079	95	196066	100.079	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.160%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	182788	100.632	ug/l	99
3) Chloromethane	1.301	50	208416	94.275	ug/l	99
4) Vinyl Chloride	1.374	62	209017	97.593	ug/l	100
5) Bromomethane	1.593	94	62797	97.984	ug/l	97
6) Chloroethane	1.660	64	64581	100.253	ug/l	98
7) Trichlorofluoromethane	1.868	101	262354	96.865	ug/l	99
8) Diethyl Ether	2.130	74	95914	97.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	163414	99.860	ug/l	100
10) Methyl Iodide	2.441	142	212118	100.016	ug/l	99
11) Tert butyl alcohol	3.002	59	165263	469.903	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	163593	98.004	ug/l	98
13) Acrolein	2.233	56	180570	497.628	ug/l	99
14) Allyl chloride	2.654	41	297526	98.624	ug/l	98
15) Acrylonitrile	3.063	53	466855	497.173	ug/l	99
16) Acetone	2.386	43	369720	485.125	ug/l	99
17) Carbon Disulfide	2.502	76	463308	101.216	ug/l	99
18) Methyl Acetate	2.703	43	238689	99.249	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	521003	98.098	ug/l	100
20) Methylene Chloride	2.782	84	180120	96.490	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	164067	99.864	ug/l	95
22) Diisopropyl ether	3.758	45	565927	99.157	ug/l	95
23) Vinyl Acetate	3.715	43	2387200	513.051	ug/l	100
24) 1,1-Dichloroethane	3.599	63	313164	98.064	ug/l	99
25) 2-Butanone	4.550	43	617283	498.801	ug/l	98
26) 2,2-Dichloropropane	4.465	77	248324	98.053	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	196381	99.513	ug/l	99
28) Bromochloromethane	4.885	49	148137	96.524	ug/l	100
29) Tetrahydrofuran	4.995	42	405208	493.104	ug/l	100
30) Chloroform	5.087	83	298690	96.445	ug/l	99
31) Cyclohexane	5.458	56	286830	97.426	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	254941	97.050	ug/l	100
36) 1,1-Dichloropropene	5.684	75	216005	97.422	ug/l	100
37) Ethyl Acetate	4.709	43	244164	99.005	ug/l	99
38) Carbon Tetrachloride	5.666	117	210381	96.828	ug/l	97
39) Methylcyclohexane	7.373	83	299703	104.554	ug/l	98
40) Benzene	6.025	78	675556	97.576	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.910	41	135629	102.745 ug/l	99
42) 1,2-Dichloroethane	6.080	62	218174	98.875 ug/l	100
43) Isopropyl Acetate	6.336	43	405489	101.818 ug/l	100
44) Trichloroethene	7.117	130	156832	99.103 ug/l	96
45) 1,2-Dichloropropane	7.422	63	170337	98.893 ug/l	97
46) Dibromomethane	7.574	93	119149	99.747 ug/l	100
47) Bromodichloromethane	7.818	83	236506	102.254 ug/l	97
48) Methyl methacrylate	7.690	41	195892	104.321 ug/l	100
49) 1,4-Dioxane	7.659	88	77816	1931.508 ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1196887	494.353 ug/l	100
52) Toluene	8.714	92	409318	99.270 ug/l	99
53) t-1,3-Dichloropropene	8.970	75	249725	106.694 ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	277371	106.287 ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	156629	98.817 ug/l	100
56) Ethyl methacrylate	9.116	69	268693	104.958 ug/l	99
57) 1,3-Dichloropropane	9.305	76	273845	98.742 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	664198	528.405 ug/l	100
59) 2-Hexanone	9.427	43	871904	499.819 ug/l	99
60) Dibromochloromethane	9.519	129	173848	102.557 ug/l	100
61) 1,2-Dibromoethane	9.604	107	162982	101.451 ug/l	98
64) Tetrachloroethene	9.269	164	125294	97.447 ug/l	100
65) Chlorobenzene	10.073	112	436565	99.694 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	144793	102.728 ug/l	100
67) Ethyl Benzene	10.189	91	784184	101.477 ug/l	100
68) m/p-Xylenes	10.299	106	575559	201.907 ug/l	99
69) o-Xylene	10.640	106	281830	98.530 ug/l	100
70) Styrene	10.653	104	473403	102.728 ug/l	99
71) Bromoform	10.799	173	112371	106.827 ug/l #	99
73) Isopropylbenzene	10.957	105	719923	97.854 ug/l	99
74) N-amyl acetate	10.842	43	345193	103.687 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	238529	94.351 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	265118	130.869 ug/l	82
77) Bromobenzene	11.195	156	163845	98.230 ug/l	100
78) n-propylbenzene	11.299	91	858793	101.132 ug/l	100
79) 2-Chlorotoluene	11.360	91	497149	95.257 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	584885	97.966 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	83483	106.006 ug/l	98
82) 4-Chlorotoluene	11.451	91	569510	98.634 ug/l	100
83) tert-Butylbenzene	11.713	119	591396	97.917 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	588385	99.851 ug/l	99
85) sec-Butylbenzene	11.890	105	749534	100.219 ug/l	99
86) p-Isopropyltoluene	12.006	119	607577	101.019 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	303851	99.061 ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	303417	97.830 ug/l	99
89) n-Butylbenzene	12.329	91	583634	109.686 ug/l	100
90) Hexachloroethane	12.536	117	117533	104.365 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	293151	97.244 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47745	103.477 ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	193214	105.921 ug/l	99
94) Hexachlorobutadiene	13.725	225	74605	103.024 ug/l	99
95) Naphthalene	13.774	128	689104	104.505 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	190534	103.659 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

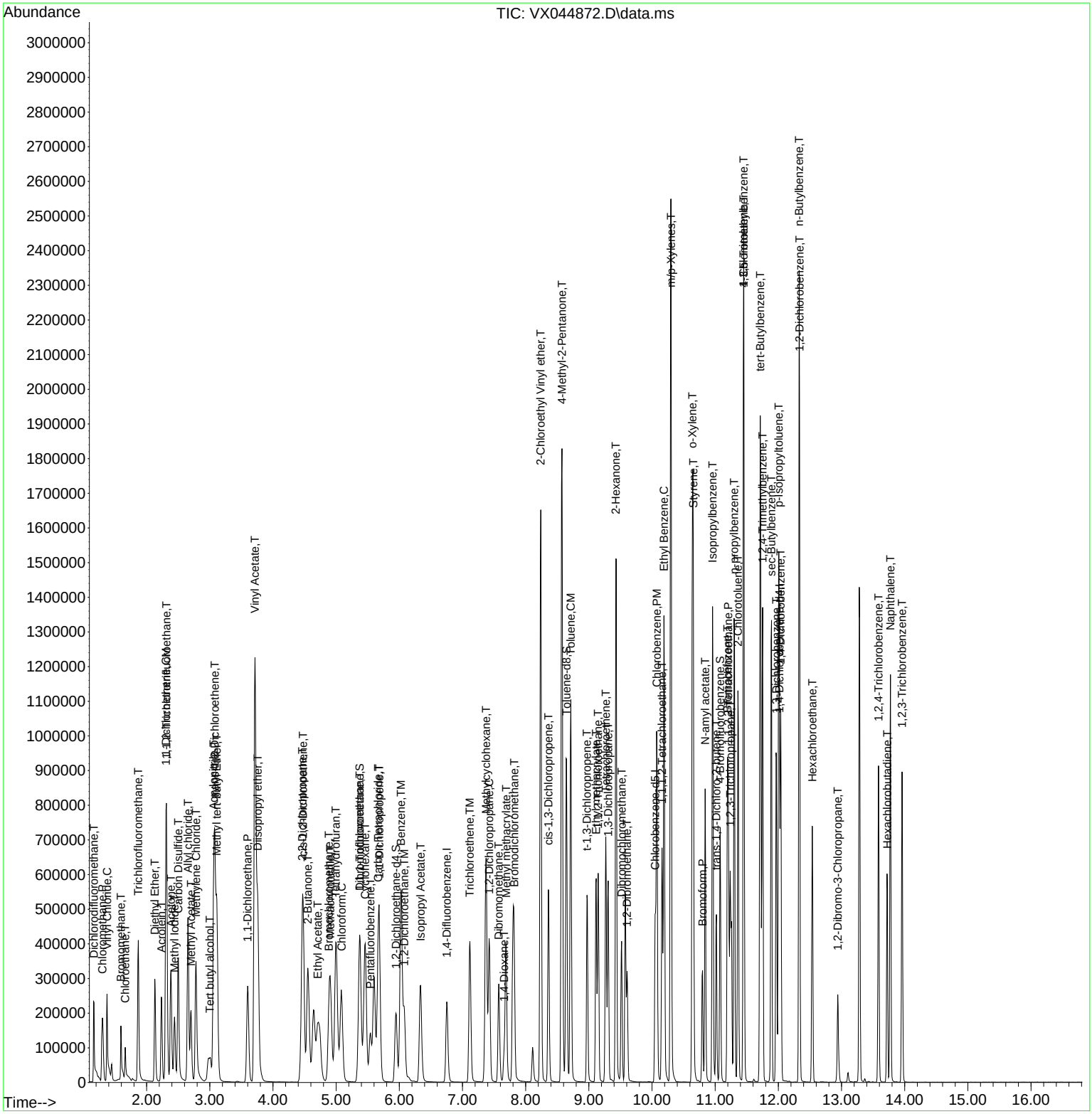
(#) = qualifier out of range (m) = manual integration (+) = signals summed

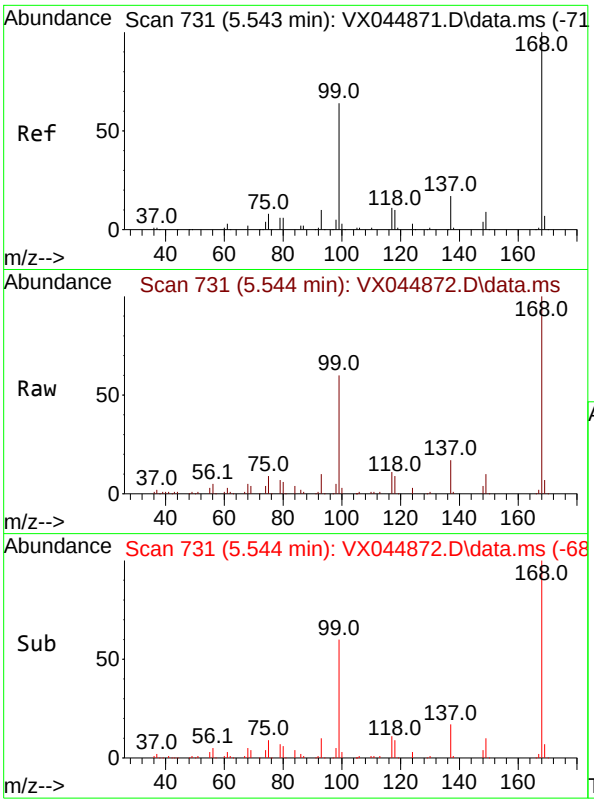
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration



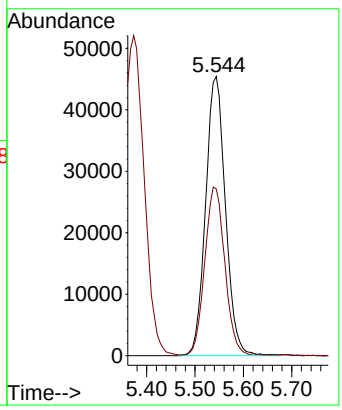


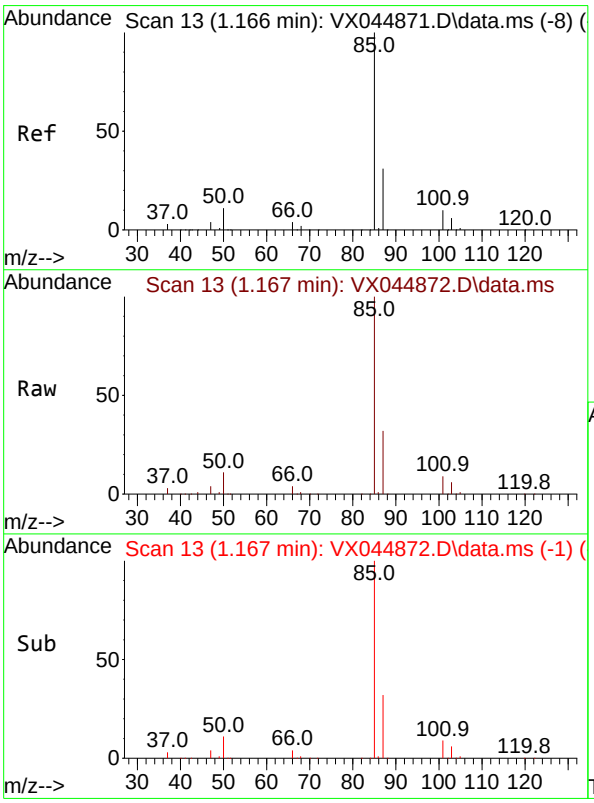
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 129508

Ion	Ratio	Lower	Upper
168	100		
99	59.4	51.2	76.8

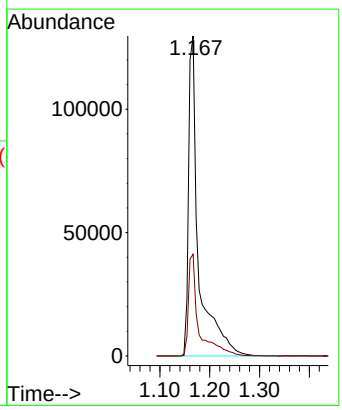


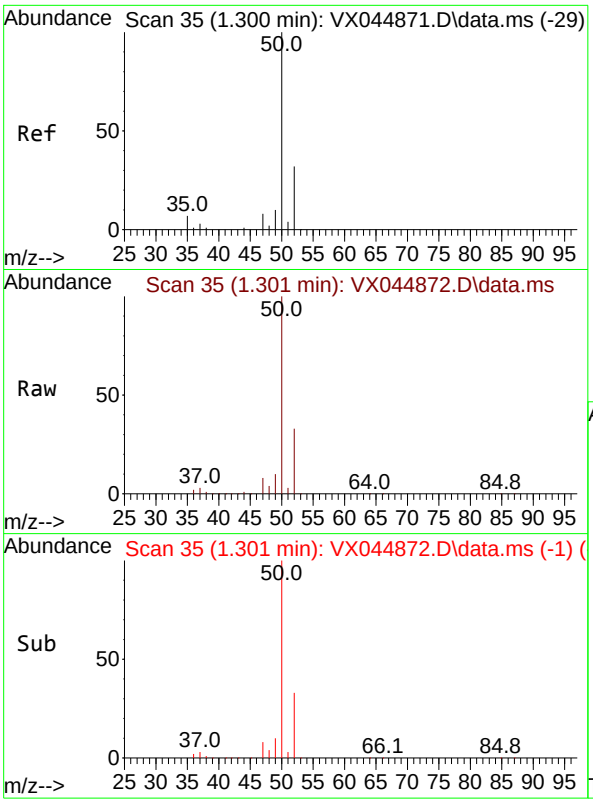


#2
Dichlorodifluoromethane
Concen: 100.632 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 85 Resp: 182788

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3



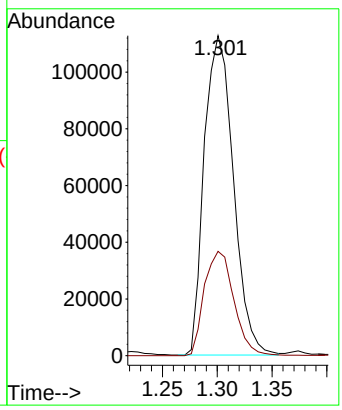


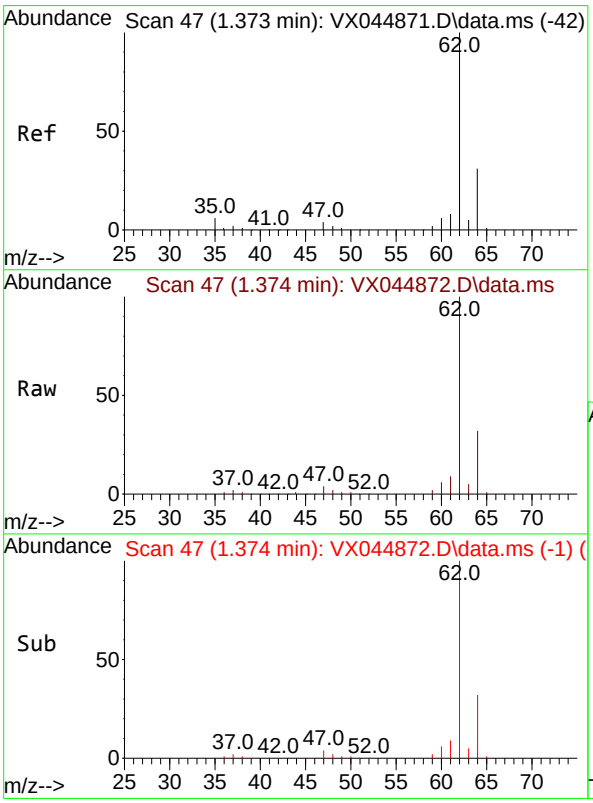
#3
Chloromethane
Concen: 94.275 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 208416

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.9	38.9

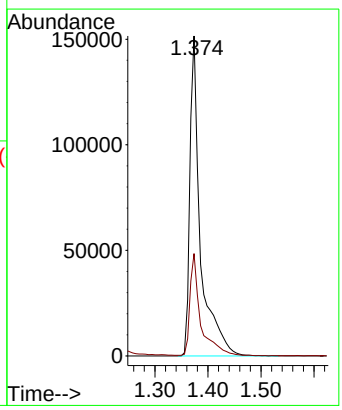


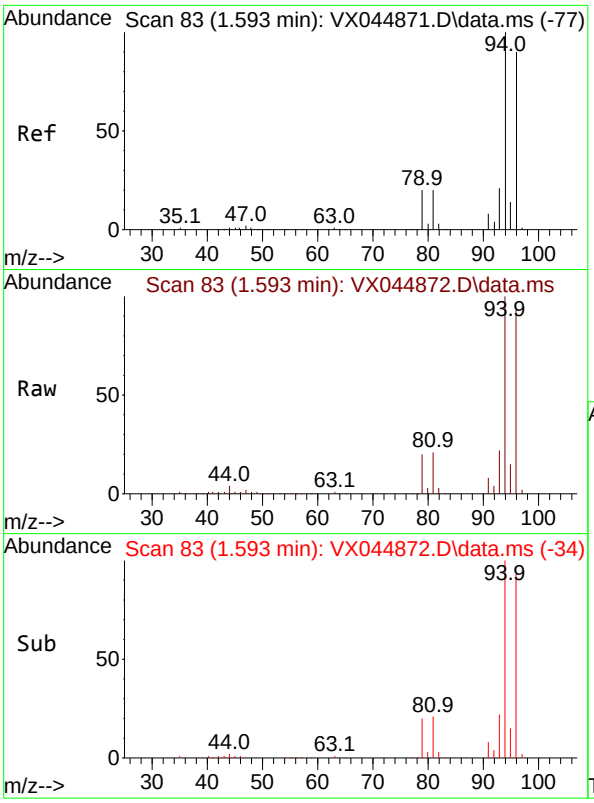


#4
Vinyl Chloride
Concen: 97.593 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 209017

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.4	38.0



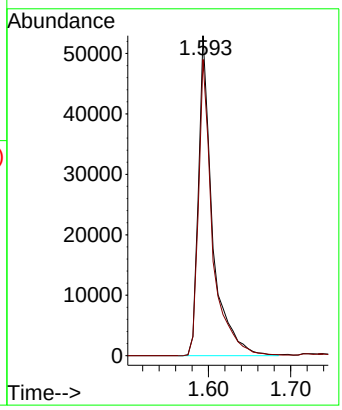


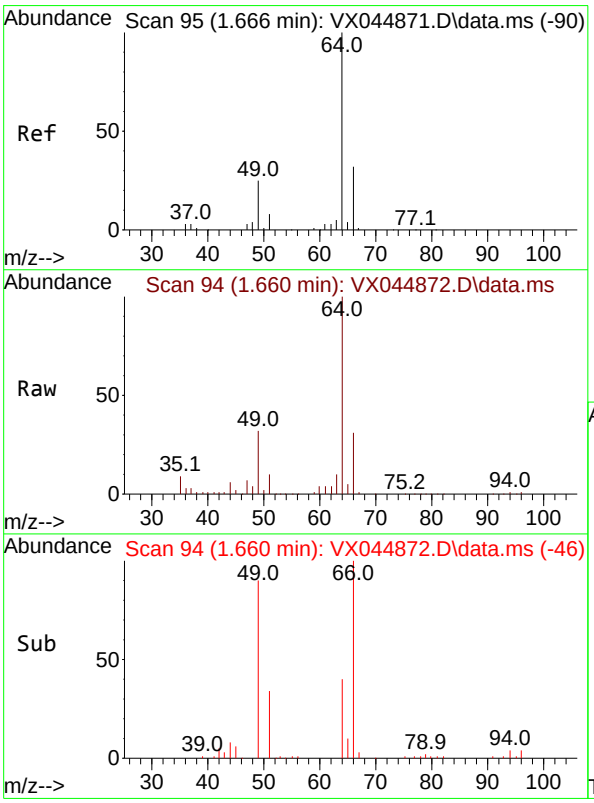
#5
Bromomethane
Concen: 97.984 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 62797

Ion	Ratio	Lower	Upper
94	100		
96	92.6	71.6	107.4

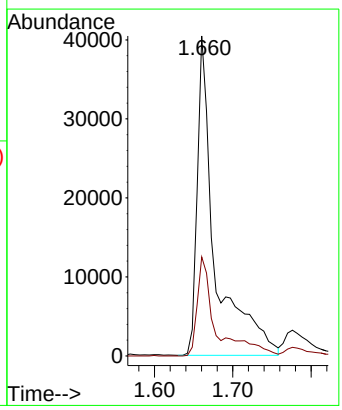


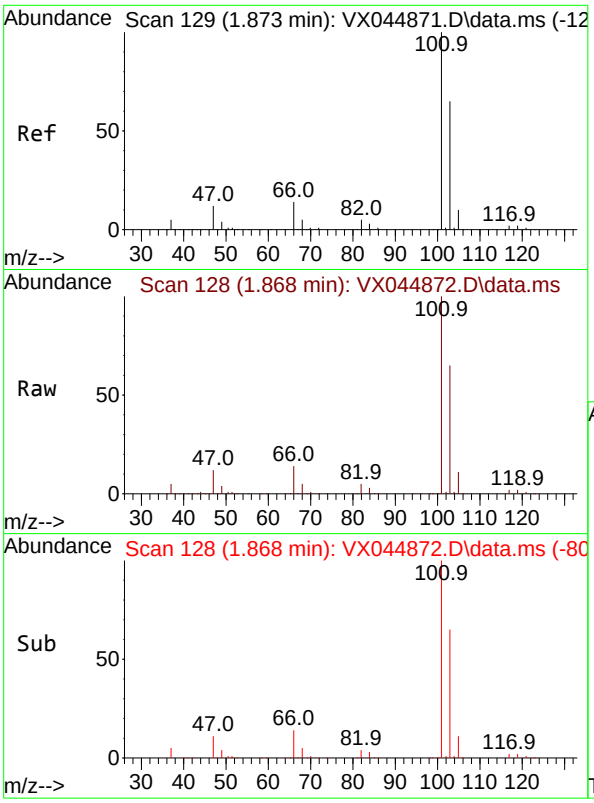


#6
Chloroethane
Concen: 100.253 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 64 Resp: 64581

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.9	38.9



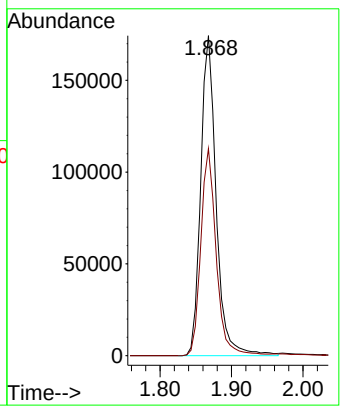


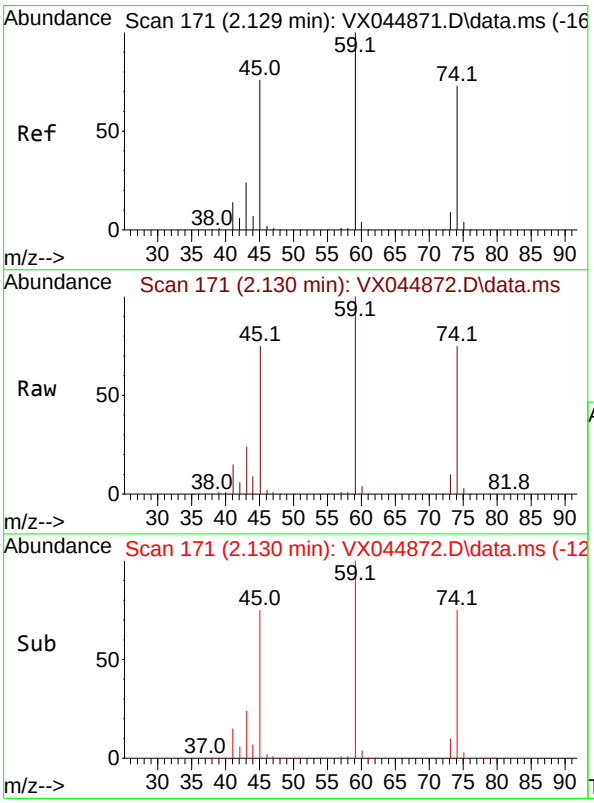
#7
Trichlorofluoromethane
Concen: 96.865 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 262354

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.4	78.6

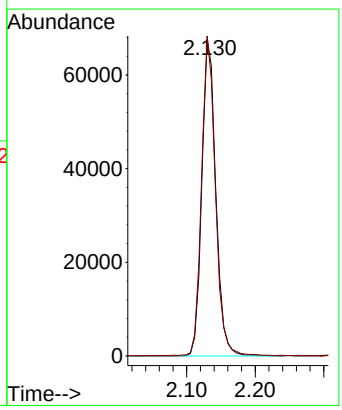


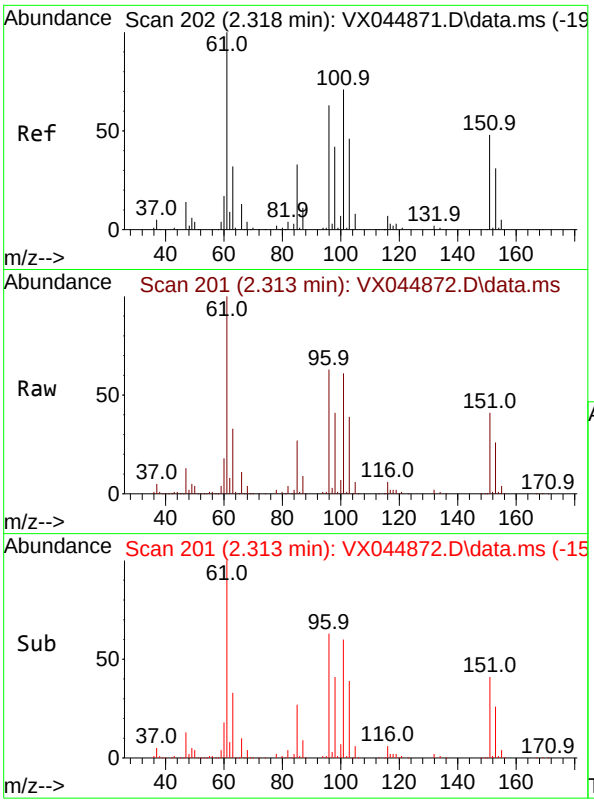


#8
Diethyl Ether
Concen: 97.647 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 74 Resp: 95914

Ion	Ratio	Lower	Upper
74	100		
45	99.5	51.1	153.4



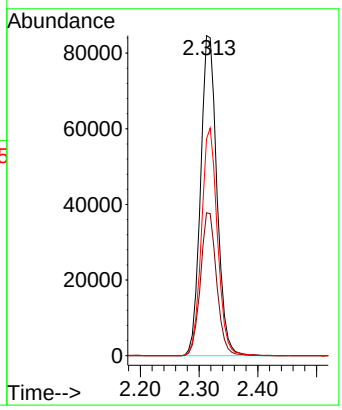


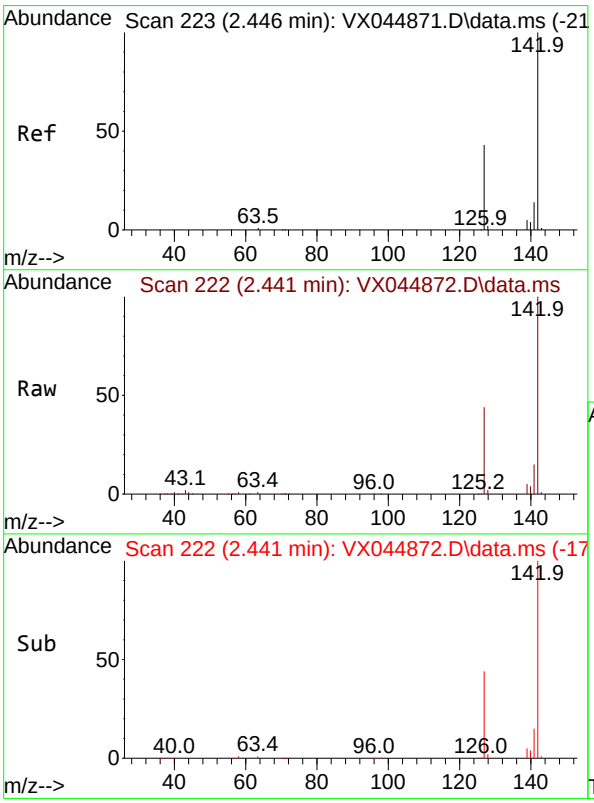
#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.860 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 163414

Ion	Ratio	Lower	Upper
101	100		
85	44.3	35.7	53.5
151	69.8	56.0	84.0

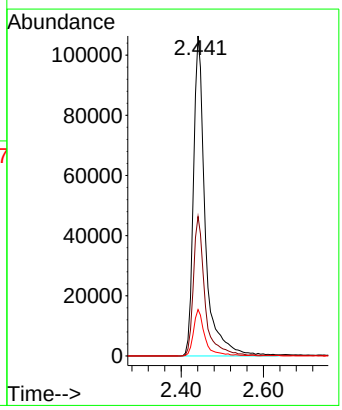


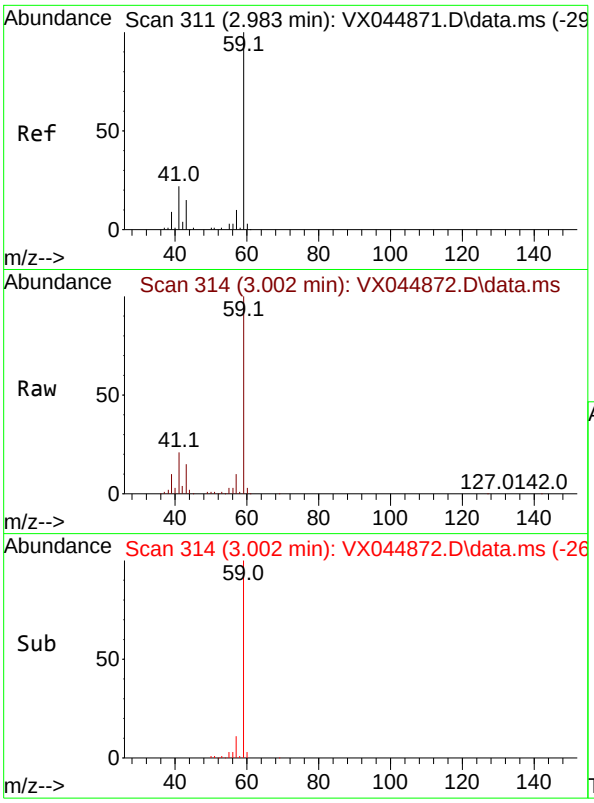


#10
Methyl Iodide
Concen: 100.016 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:142 Resp: 212118

Ion	Ratio	Lower	Upper
142	100		
127	42.5	34.3	51.5
141	14.1	11.4	17.2



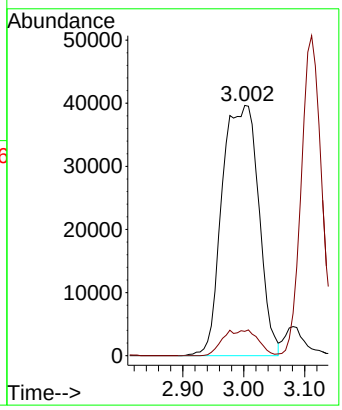


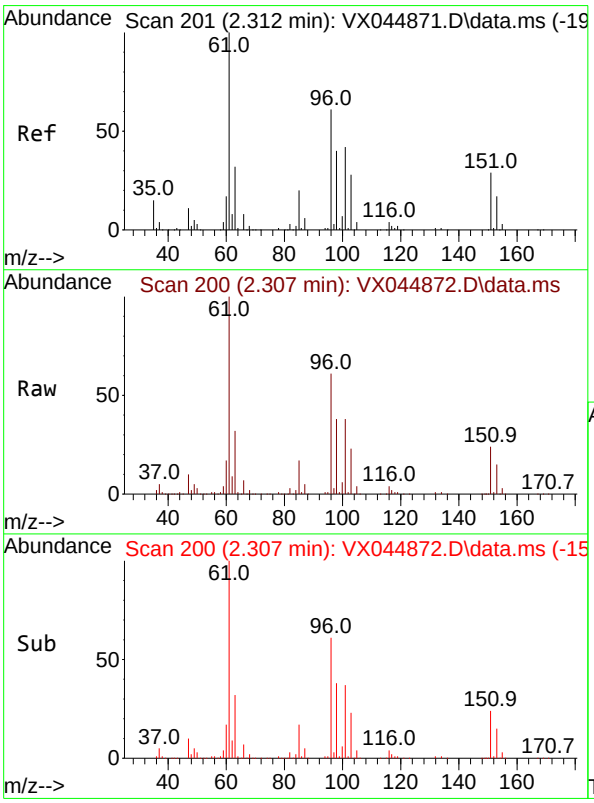
#11
Tert butyl alcohol
Concen: 469.903 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.019 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 165263

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#

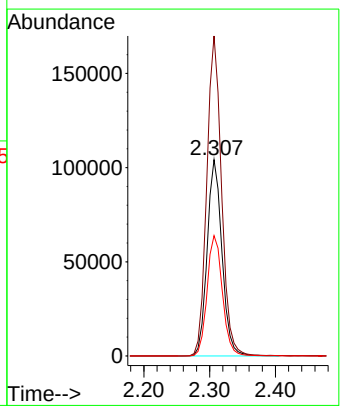


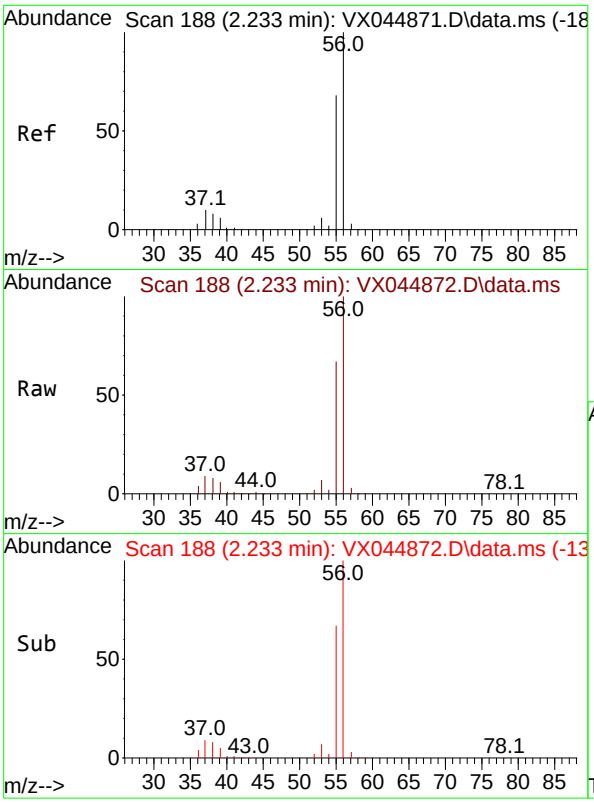


#12
1,1-Dichloroethene
Concen: 98.004 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 96 Resp: 163593

Ion	Ratio	Lower	Upper
96	100		
61	162.9	130.2	195.4
98	61.3	52.2	78.4



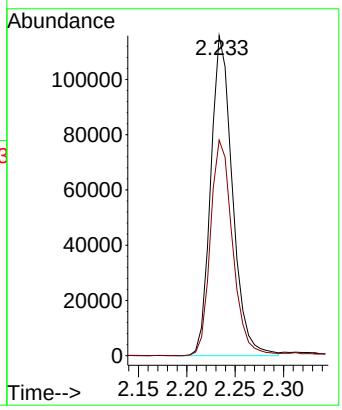


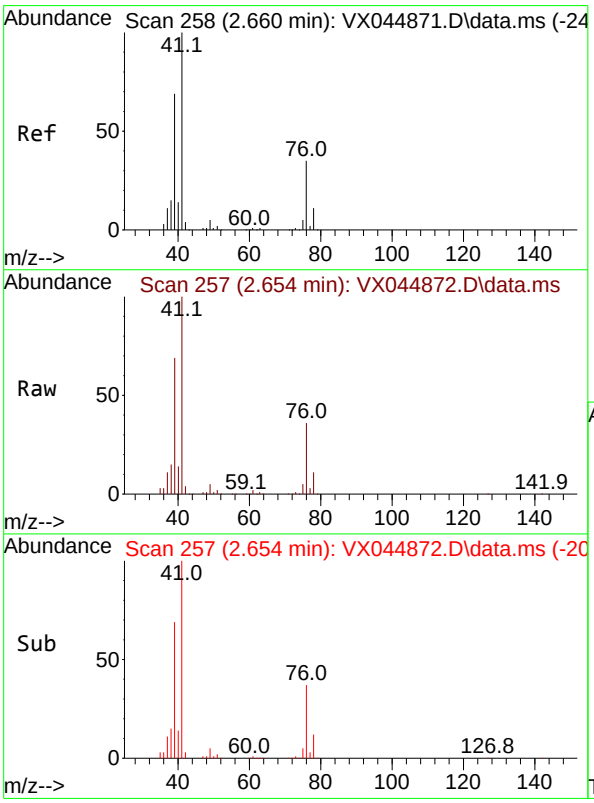
#13
Acrolein
Concen: 497.628 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 180570

Ion	Ratio	Lower	Upper
56	100		
55	68.9	55.7	83.5

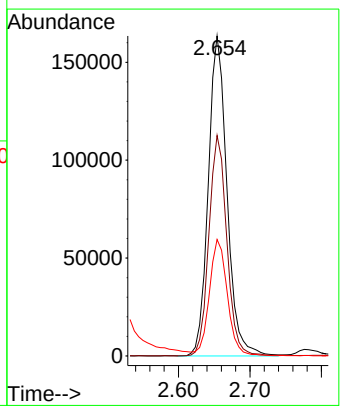


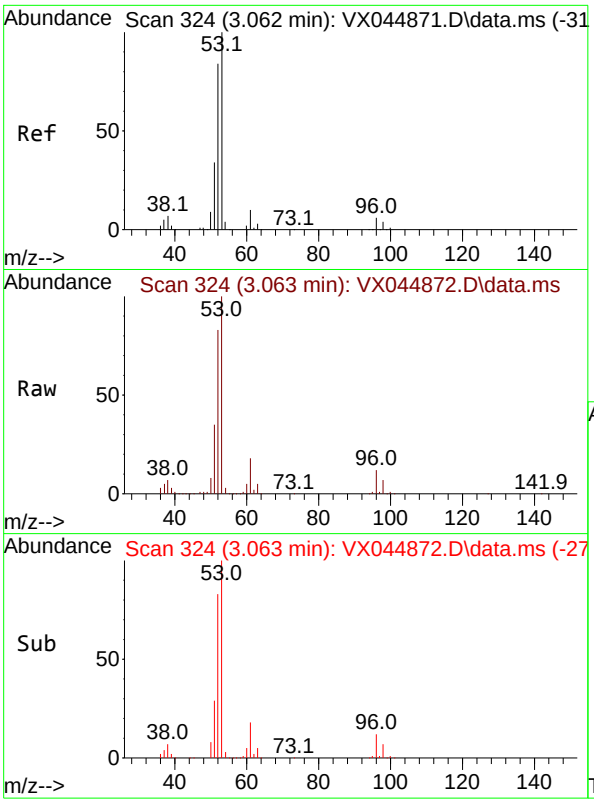


#14
Allyl chloride
Concen: 98.624 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 297526

Ion	Ratio	Lower	Upper
41	100		
39	65.6	51.4	77.2
76	34.9	27.0	40.4



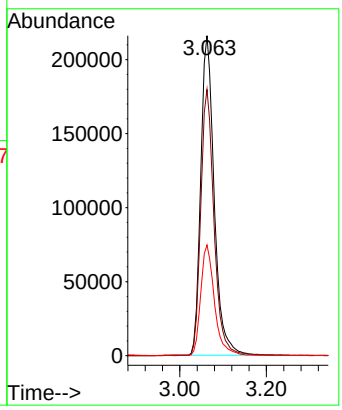


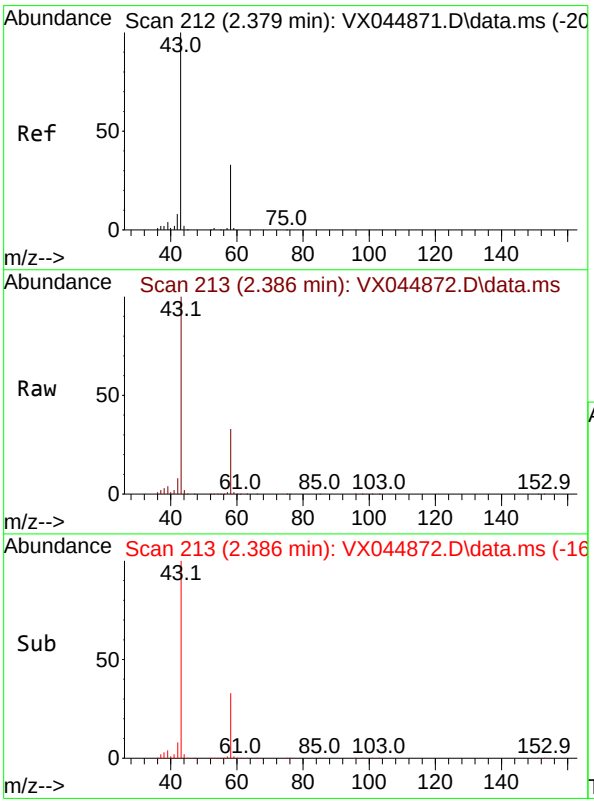
#15
Acrylonitrile
Concen: 497.173 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 466855

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.0	97.6
51	34.9	28.0	42.0

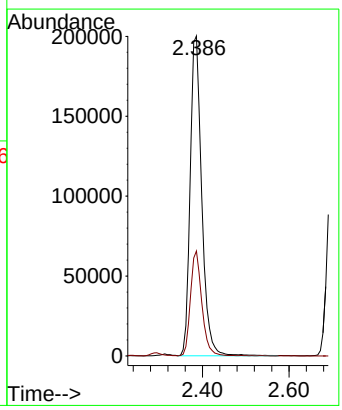


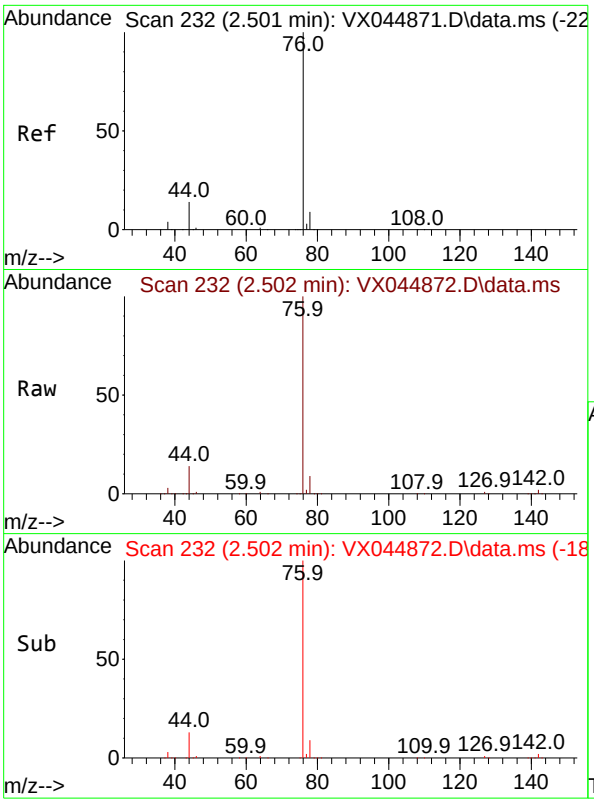


#16
Acetone
Concen: 485.125 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 369720

Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.5	39.7



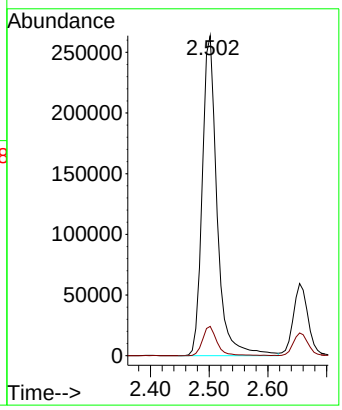


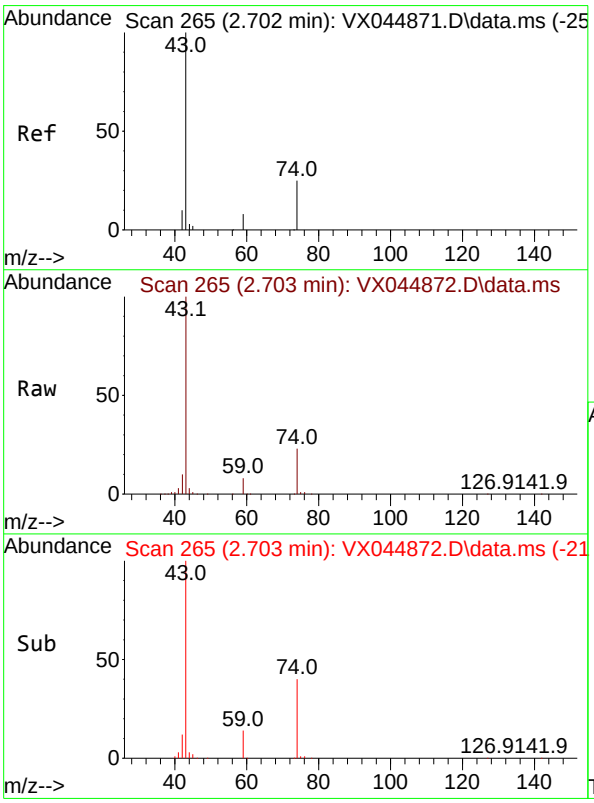
#17
Carbon Disulfide
Concen: 101.216 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 463308

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

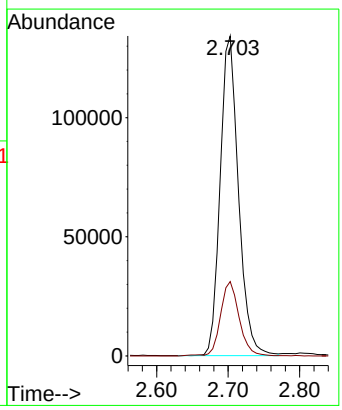


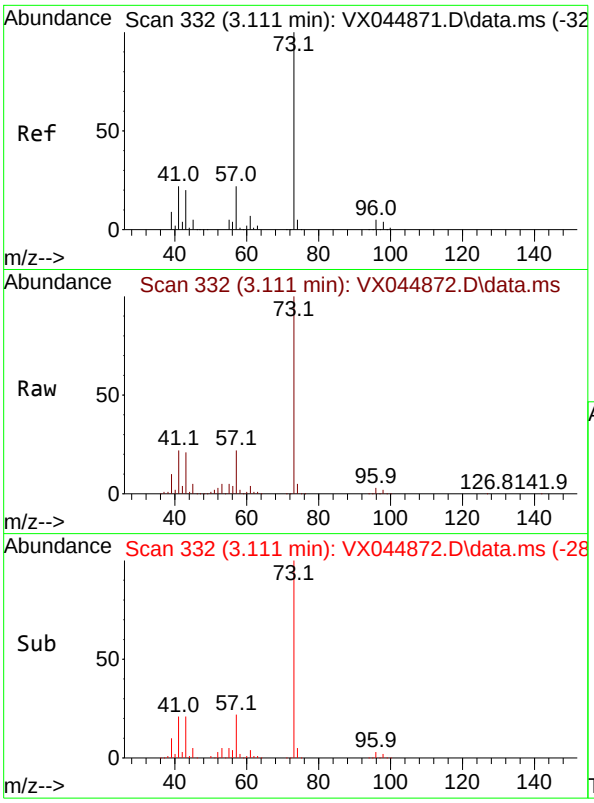


#18
Methyl Acetate
Concen: 99.249 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 238689

Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3



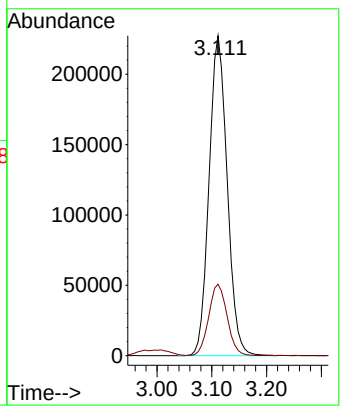


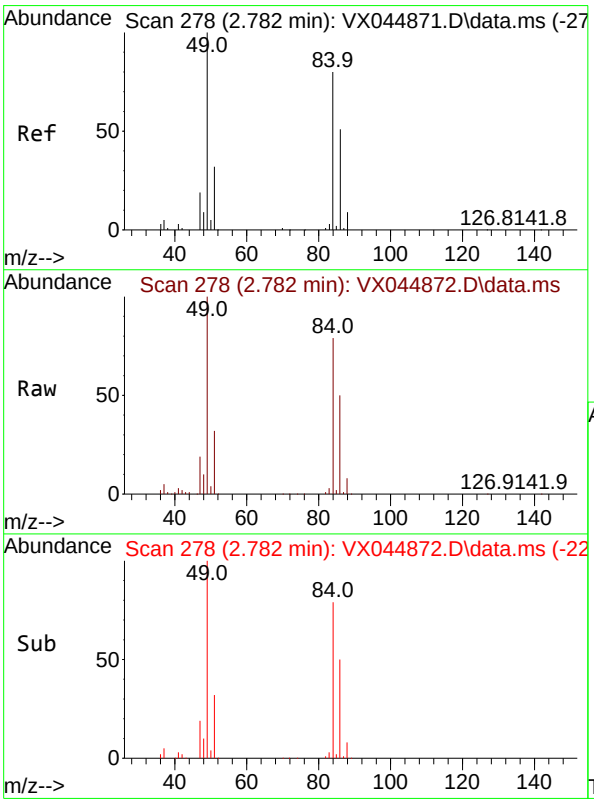
#19
Methyl tert-butyl Ether
Concen: 98.098 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 521003

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9

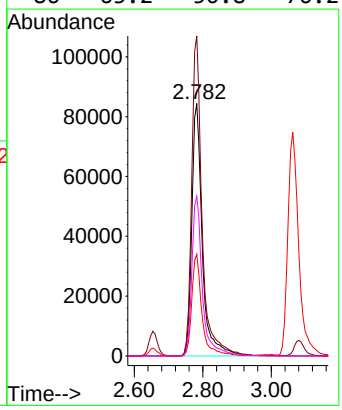


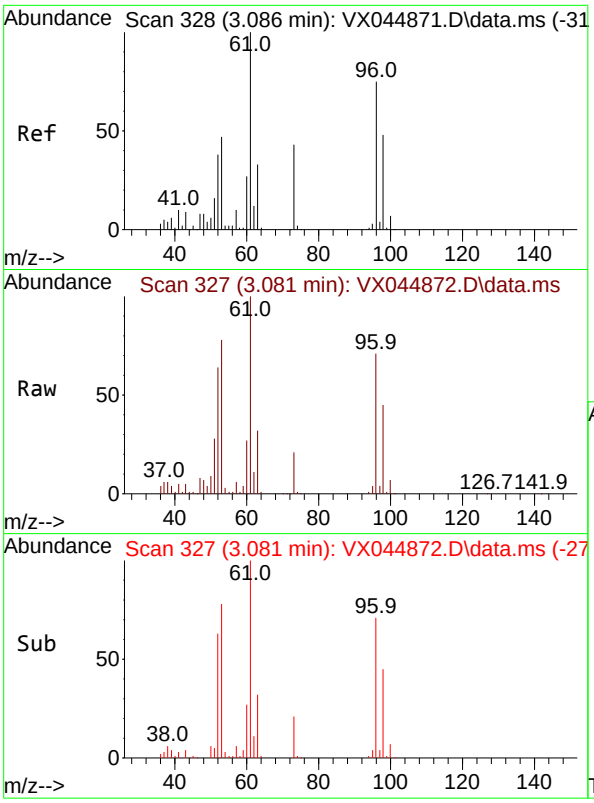


#20
Methylene Chloride
Concen: 96.490 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 84 Resp: 180120

Ion	Ratio	Lower	Upper
84	100		
49	126.7	100.1	150.1
51	40.3	31.7	47.5
86	63.2	50.8	76.2



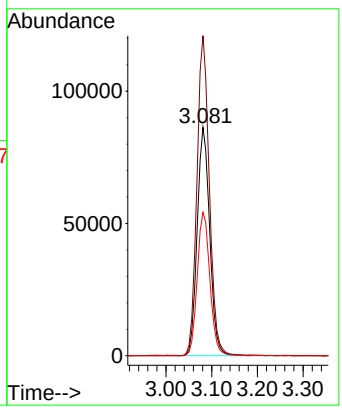


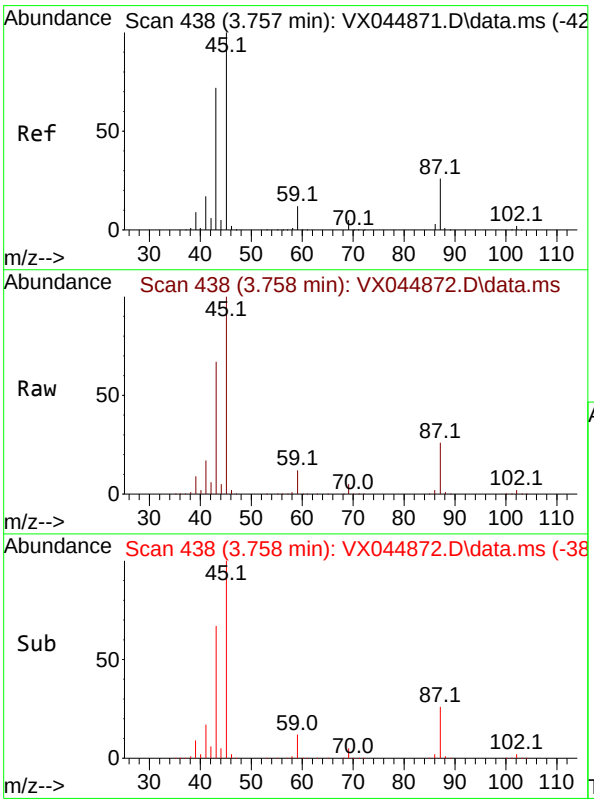
#21
trans-1,2-Dichloroethene
Concen: 99.864 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 164067

Ion	Ratio	Lower	Upper
96	100		
61	140.2	106.0	159.0
98	62.8	50.6	76.0

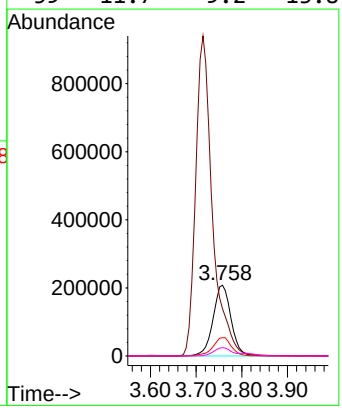


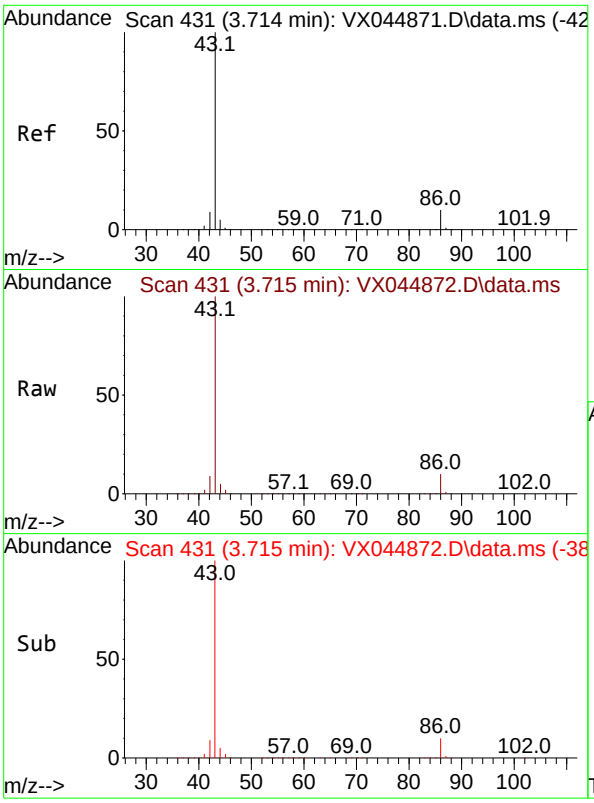


#22
Diisopropyl ether
Concen: 99.157 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 45 Resp: 565927

Ion	Ratio	Lower	Upper
45	100		
43	66.7	58.0	87.0
87	25.7	20.7	31.1
59	11.7	9.2	13.8



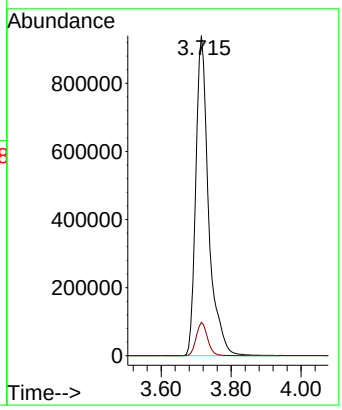


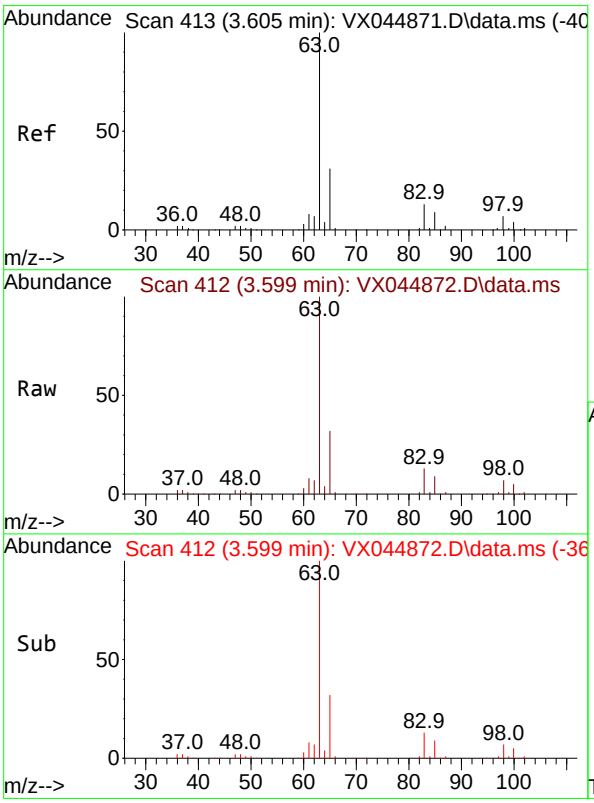
#23
Vinyl Acetate
Concen: 513.051 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2387200

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

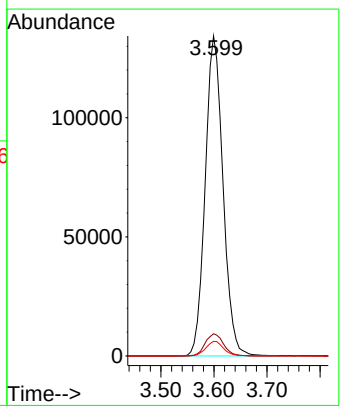


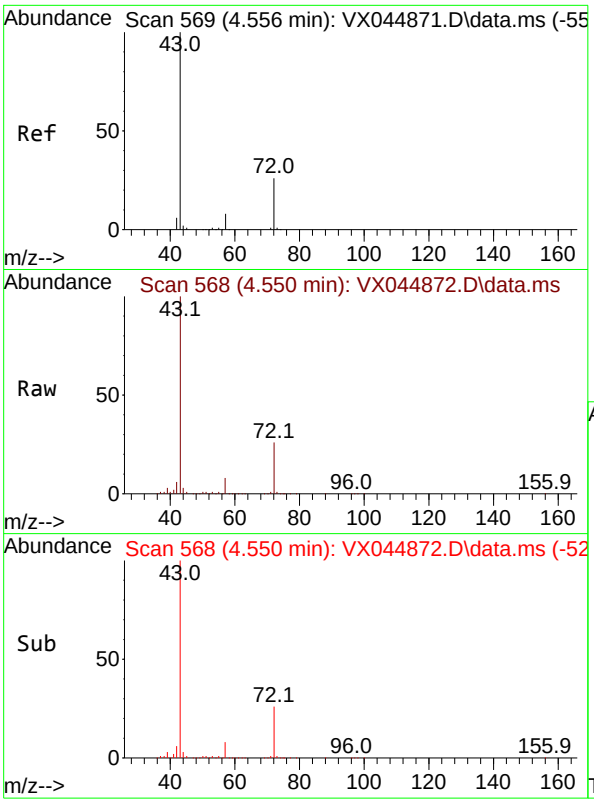


#24
1,1-Dichloroethane
Concen: 98.064 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 313164

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.9
100	4.5	2.1	6.5



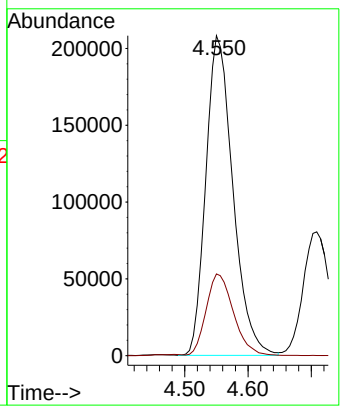


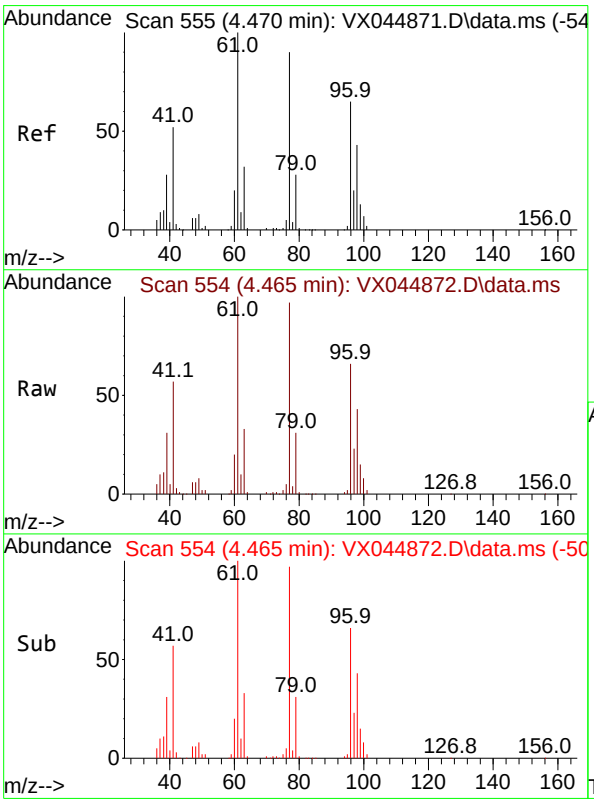
#25
2-Butanone
Concen: 498.801 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 617283

Ion	Ratio	Lower	Upper
43	100		
72	25.4	21.2	31.8

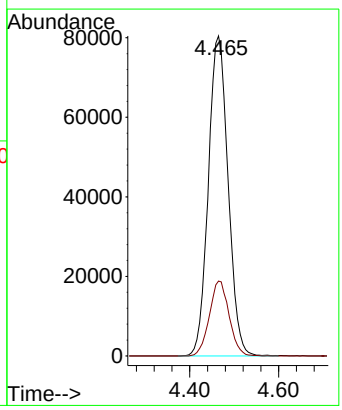


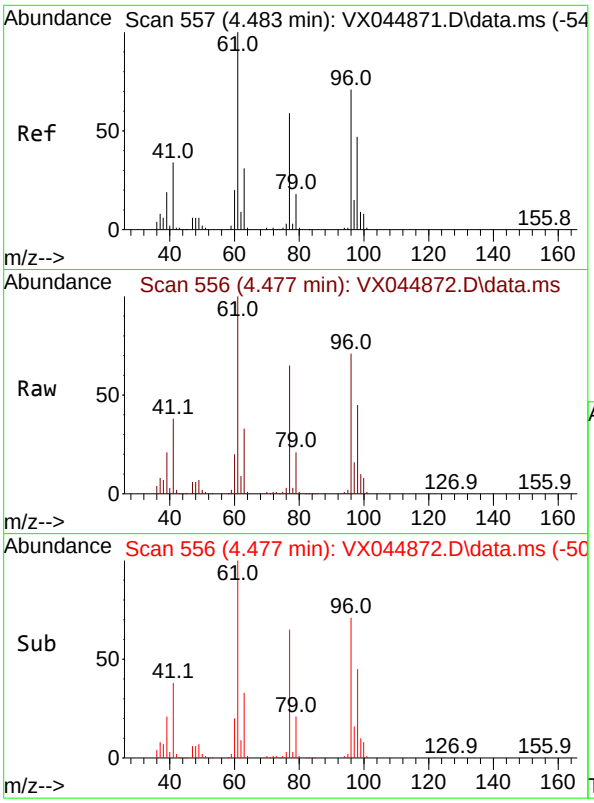


#26
2,2-Dichloropropane
Concen: 98.053 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 77 Resp: 248324

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.8	35.3



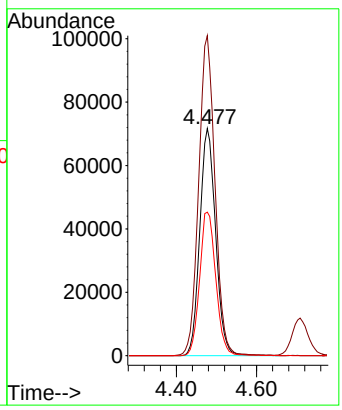


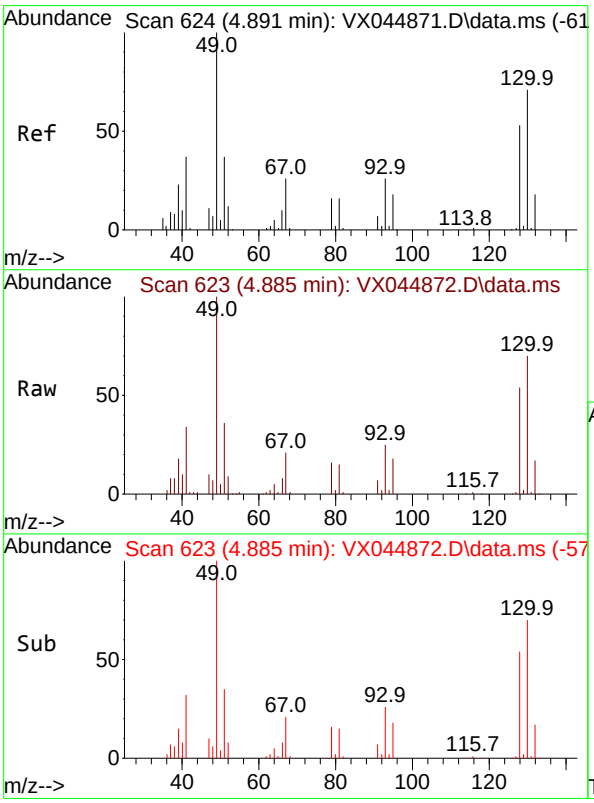
#27
cis-1,2-Dichloroethene
Concen: 99.513 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 196381

Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	294.0
98	64.6	0.0	131.2

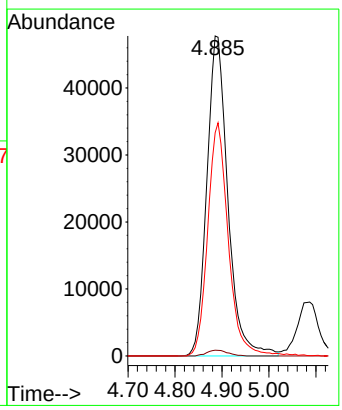


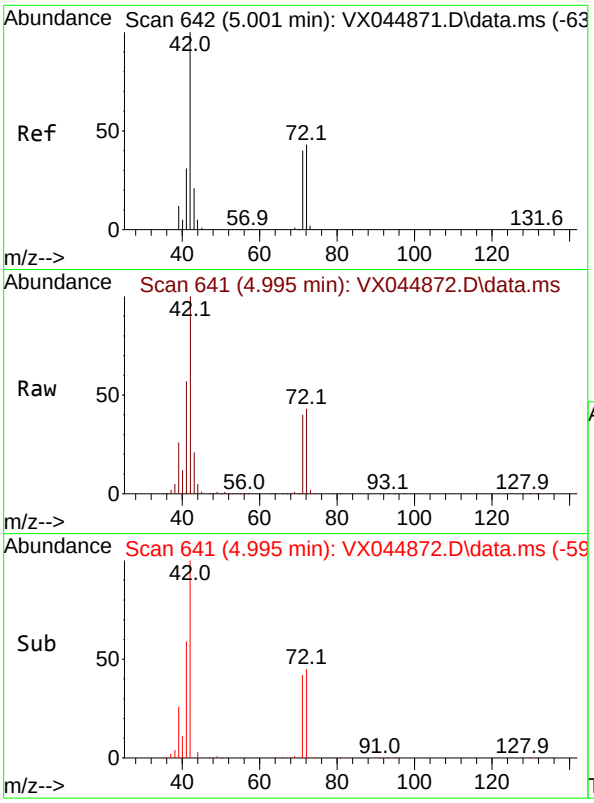


#28
Bromochloromethane
Concen: 96.524 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 49 Resp: 148137

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	71.1	56.7	85.1



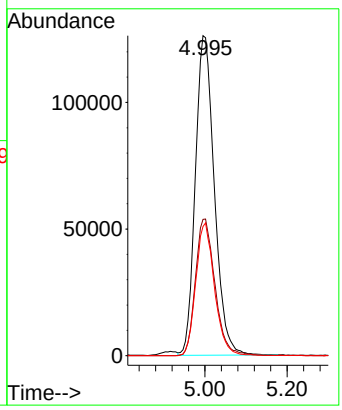


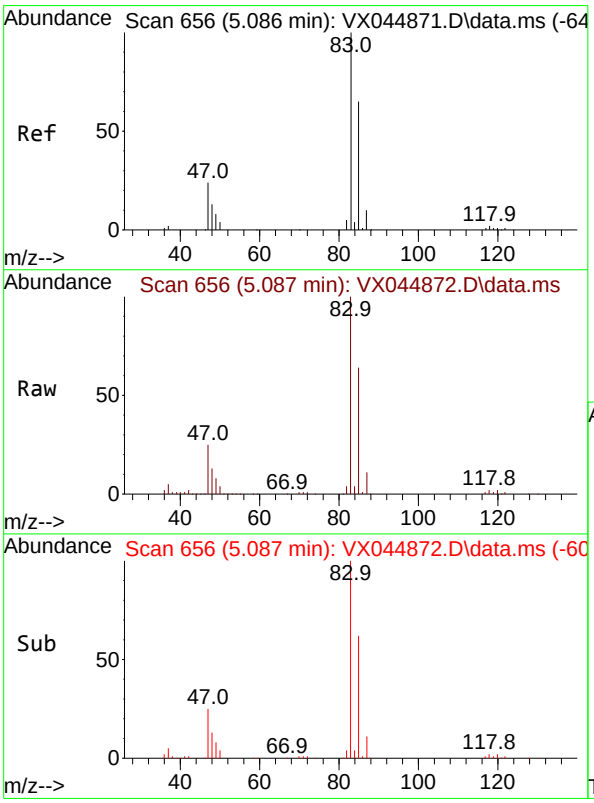
#29
Tetrahydrofuran
Concen: 493.104 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 405208

Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.0	52.4
71	40.8	32.6	48.8

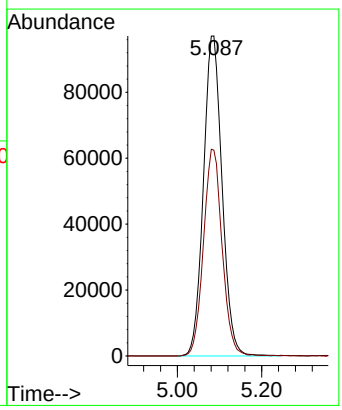


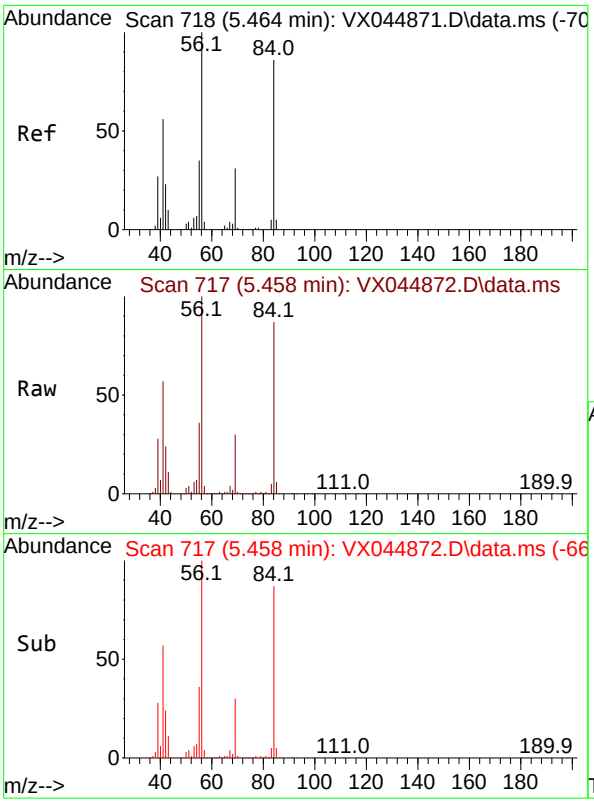


#30
Chloroform
Concen: 96.445 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 83 Resp: 298690

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1



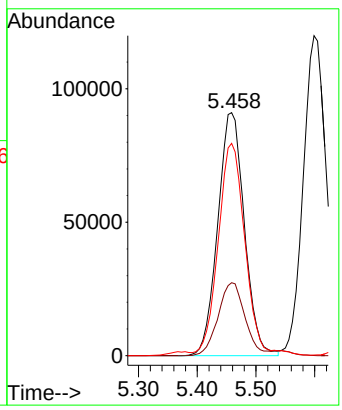


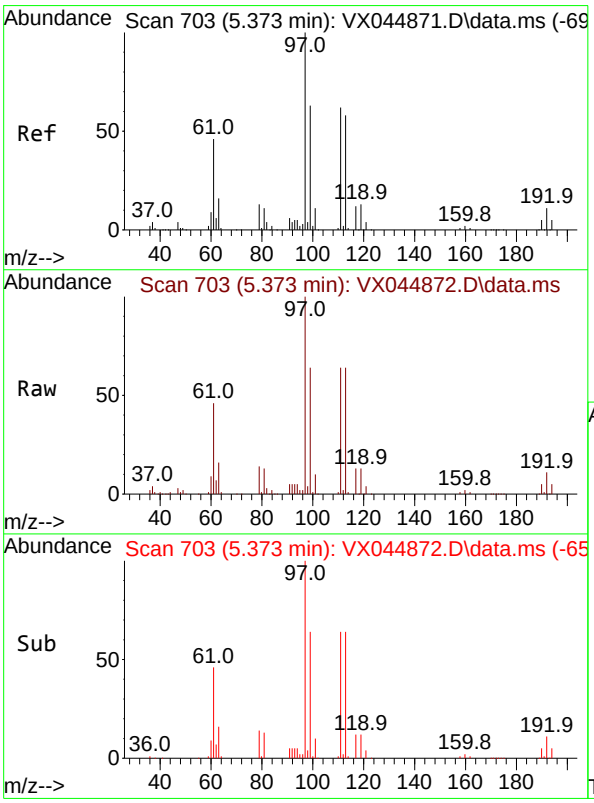
#31
Cyclohexane
Concen: 97.426 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 286830

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.4	36.6
84	85.7	69.0	103.6

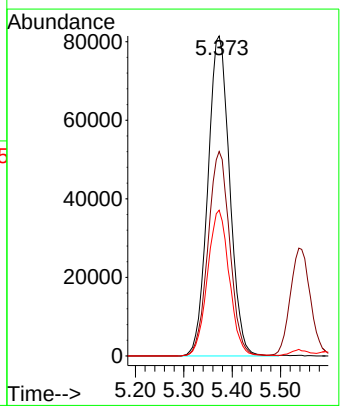


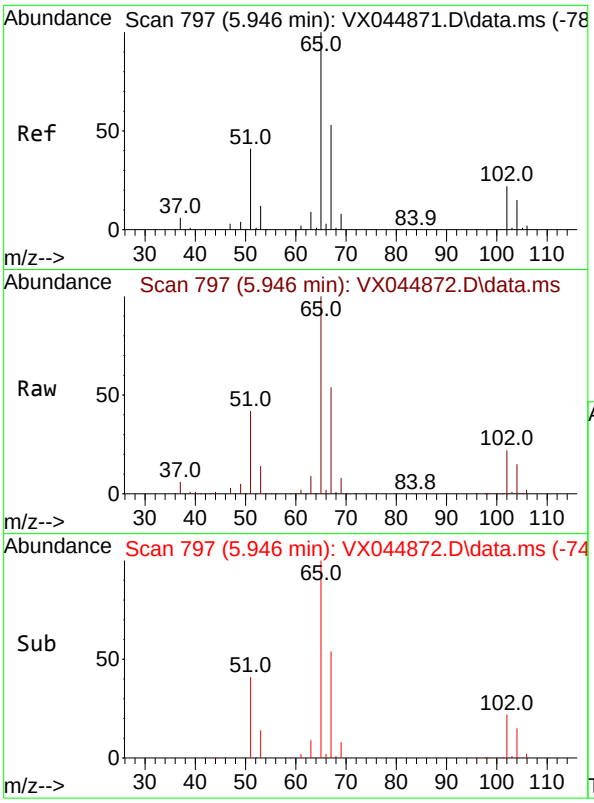


#32
1,1,1-Trichloroethane
Concen: 97.050 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 97 Resp: 254941

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.8	36.6	55.0



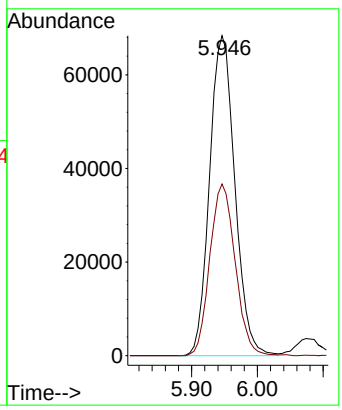


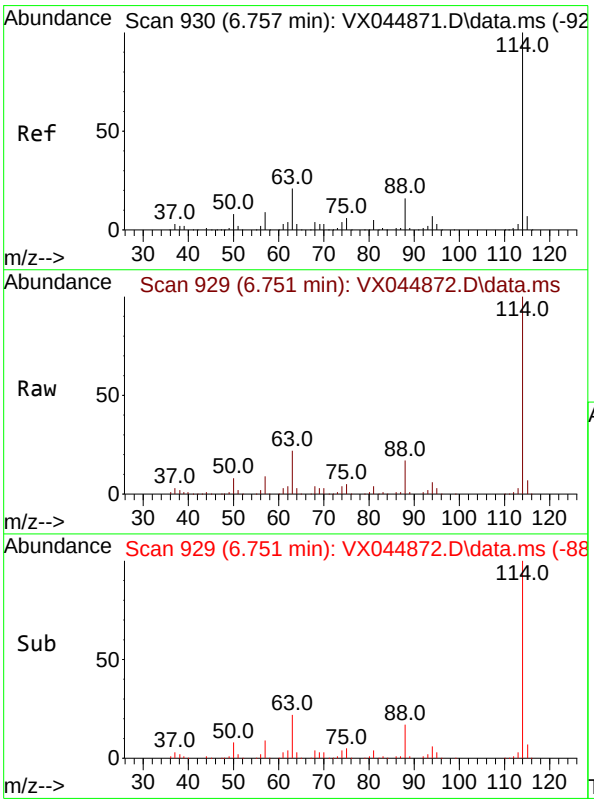
#33
1,2-Dichloroethane-d4
Concen: 96.580 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 183093

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	108.2

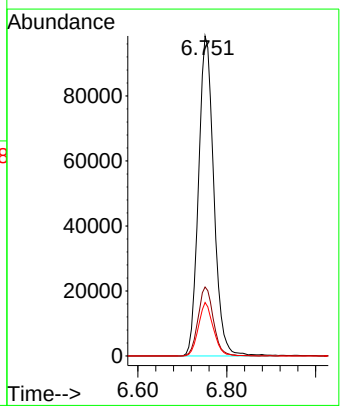


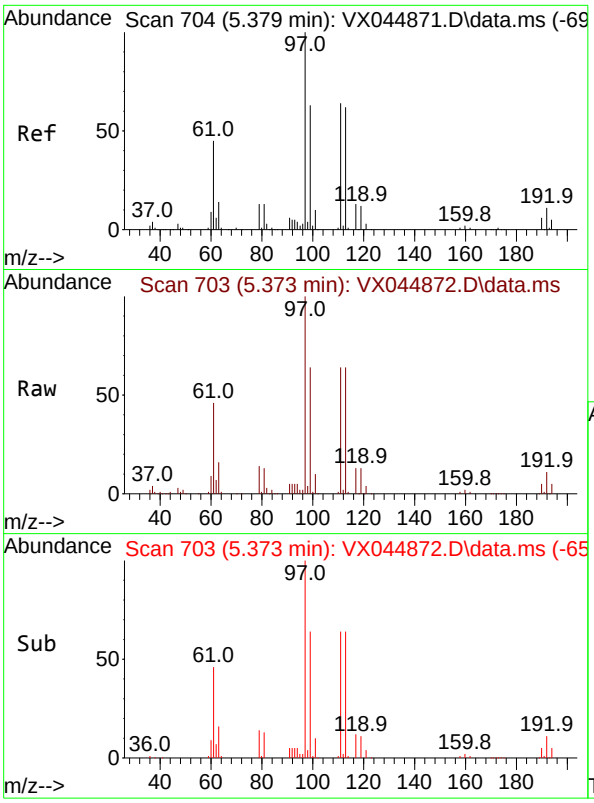


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:114 Resp: 236372

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.4
88	16.7	0.0	31.4



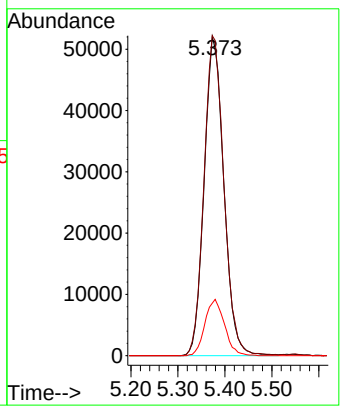


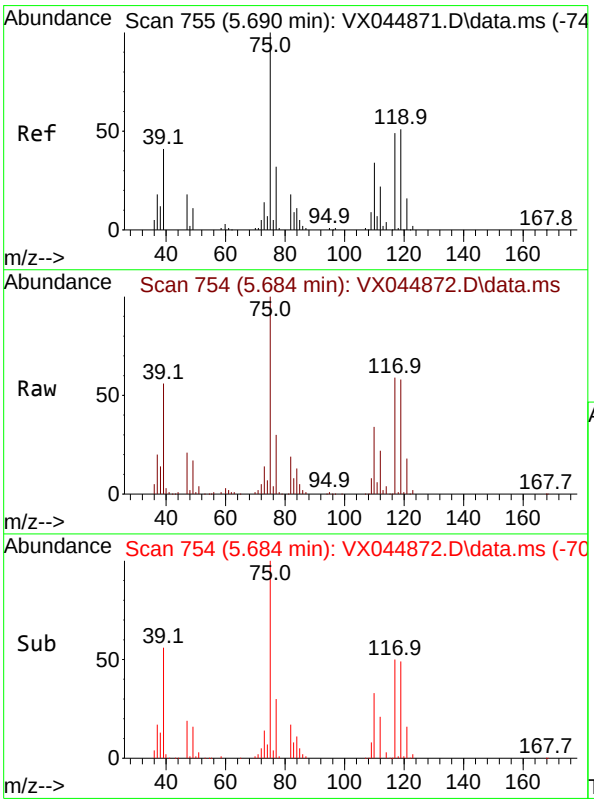
#35
Dibromofluoromethane
Concen: 98.404 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 151228

Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.5	125.3
192	17.6	14.4	21.6

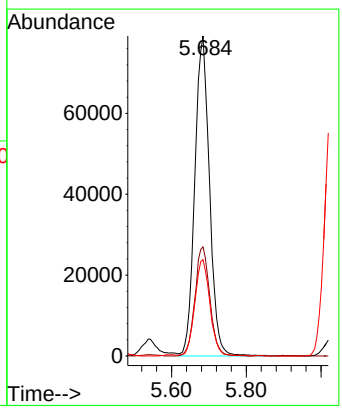


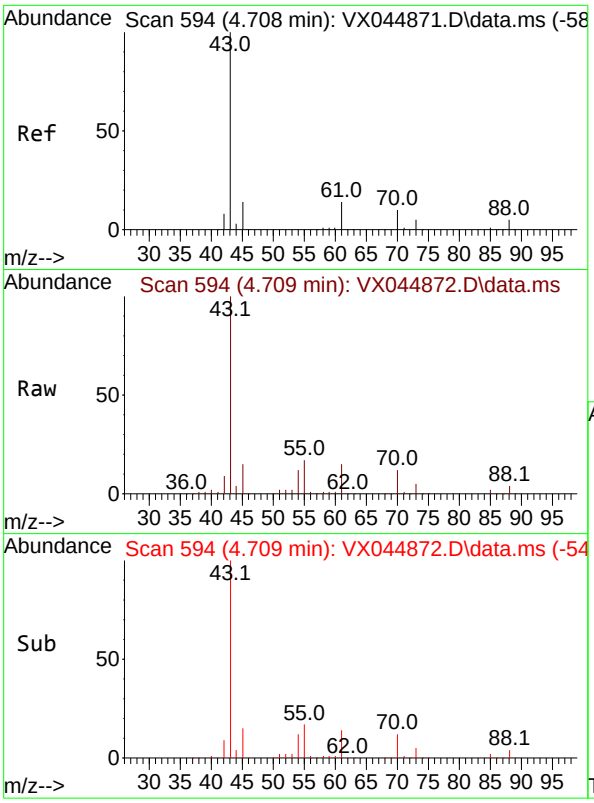


#36
1,1-Dichloropropene
Concen: 97.422 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 216005

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.9	24.6	37.0



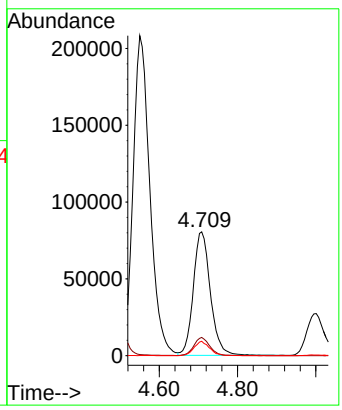


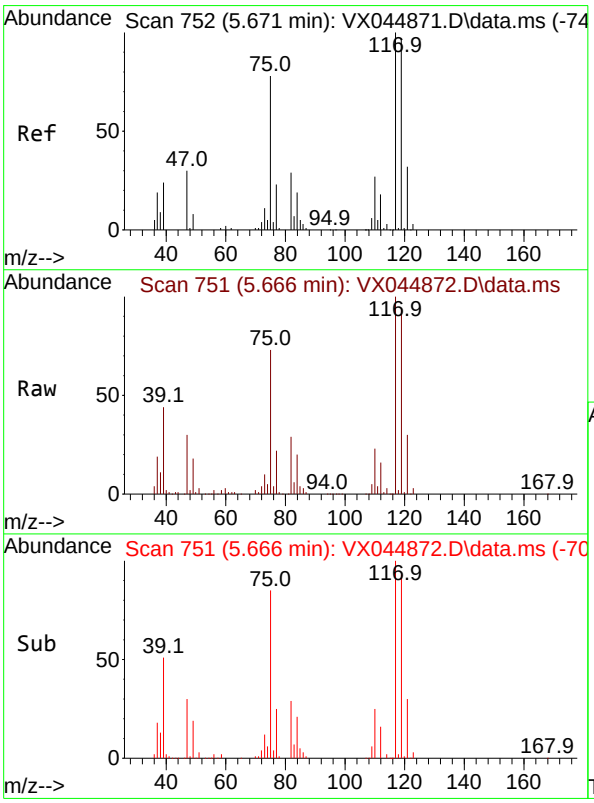
#37
Ethyl Acetate
Concen: 99.005 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 244164

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.6	8.2	12.2

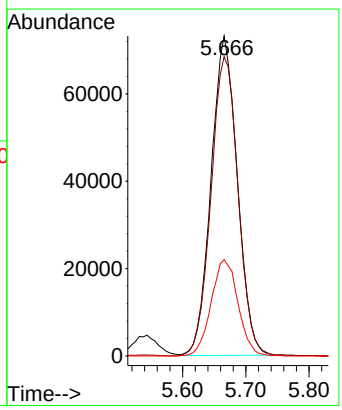


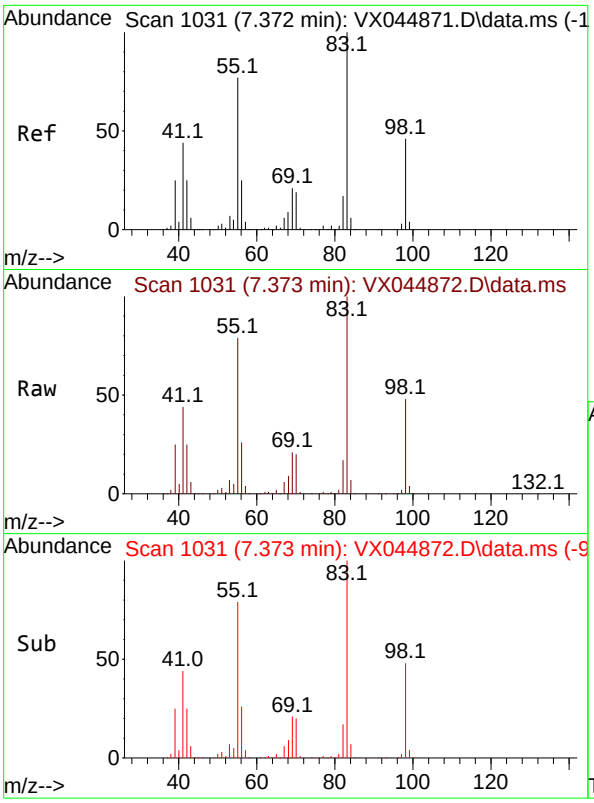


#38
Carbon Tetrachloride
Concen: 96.828 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:117 Resp: 210381

Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.5	116.3
121	30.2	25.6	38.4



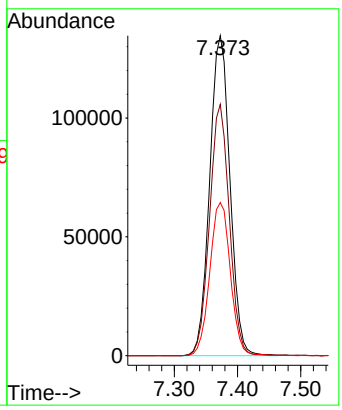


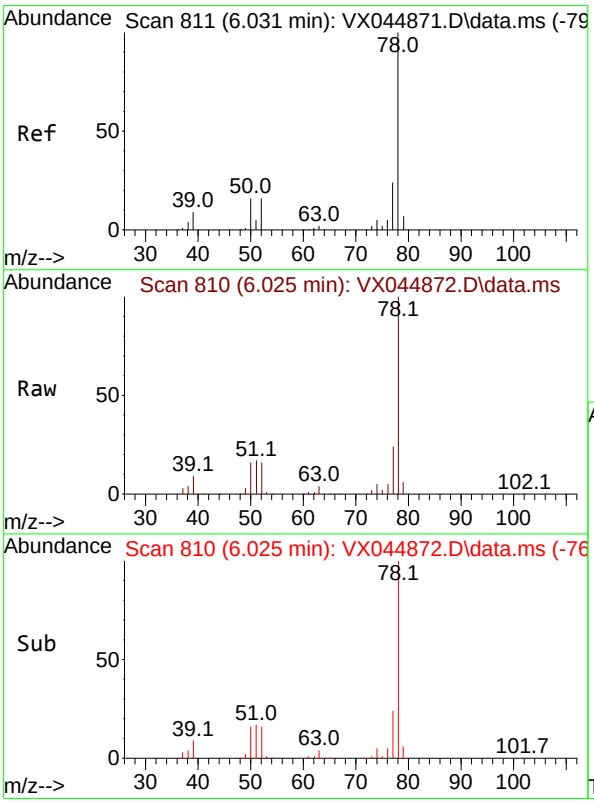
#39
Methylcyclohexane
Concen: 104.554 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 299703

Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.3	91.9
98	47.8	37.0	55.6

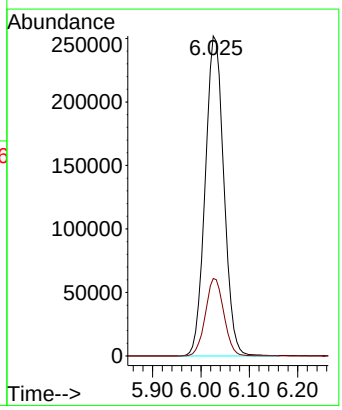


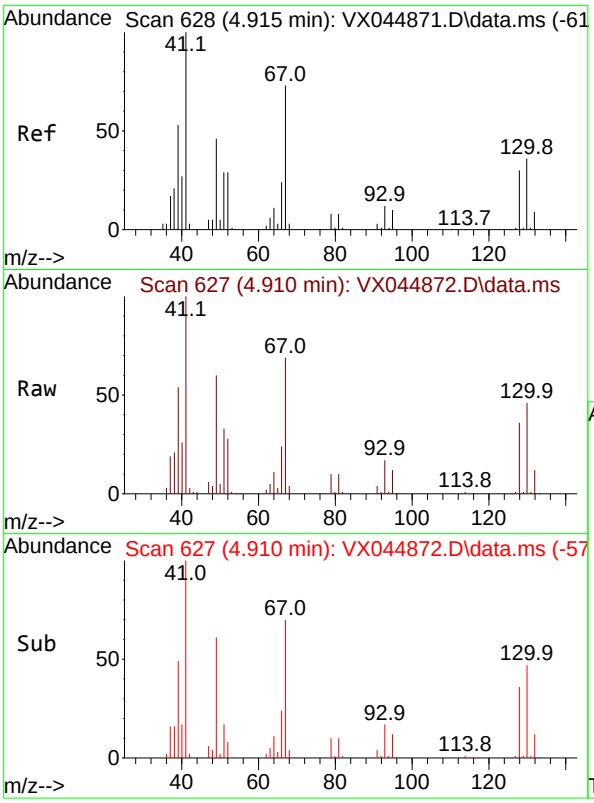


#40
Benzene
Concen: 97.576 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 78 Resp: 675556

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6



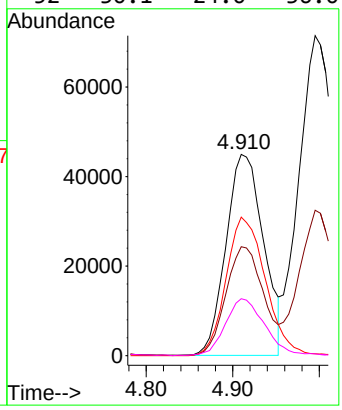


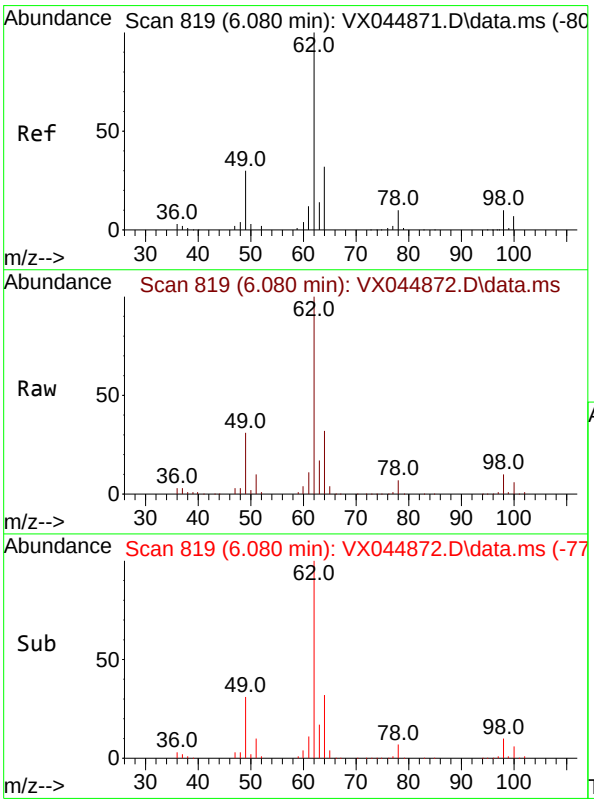
#41
Methacrylonitrile
Concen: 102.745 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 135629

Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	72.4	57.0	85.6
52	30.1	24.0	36.0

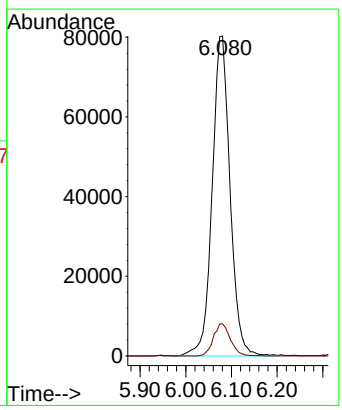


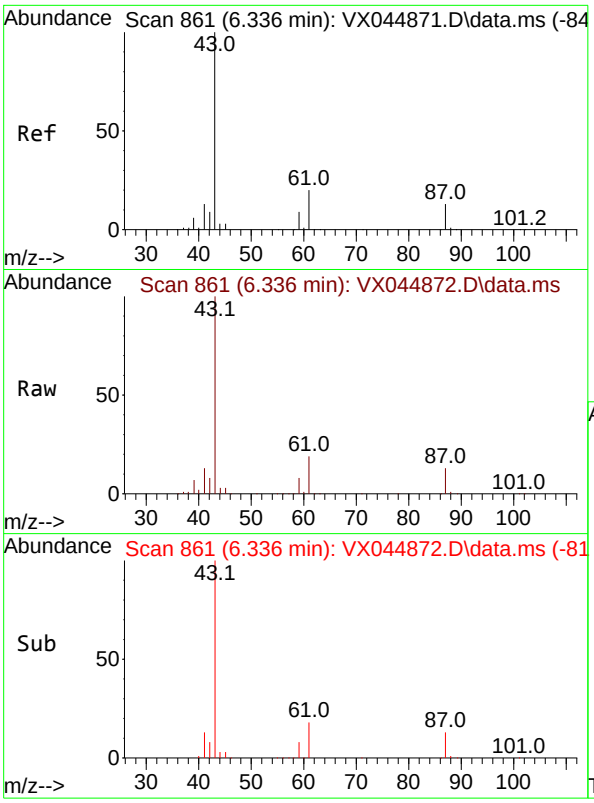


#42
1,2-Dichloroethane
Concen: 98.875 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 218174

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4



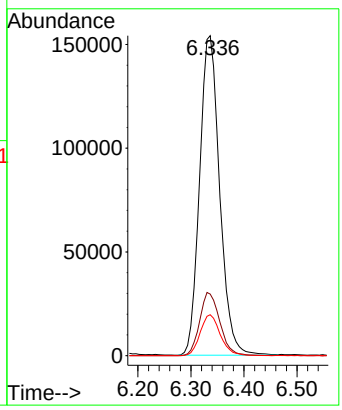


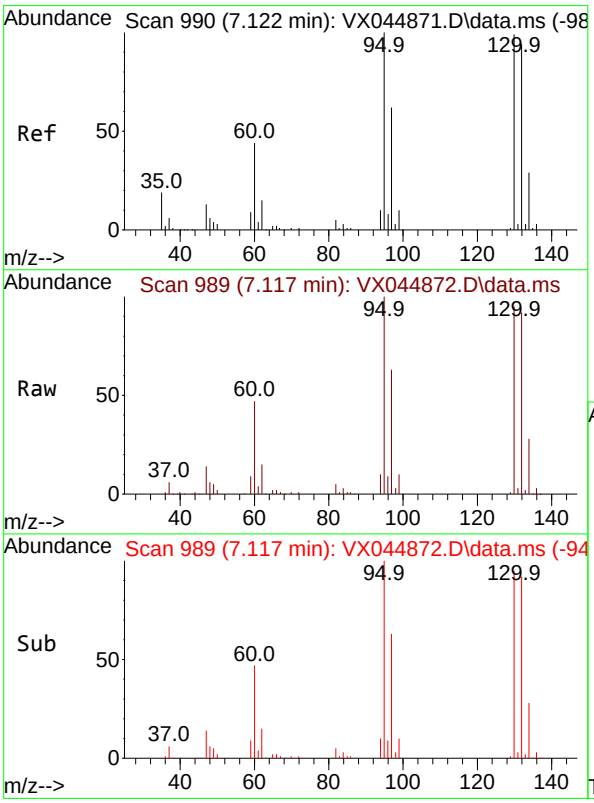
#43
Isopropyl Acetate
Concen: 101.818 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 405489

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.8
87	12.8	10.0	15.0

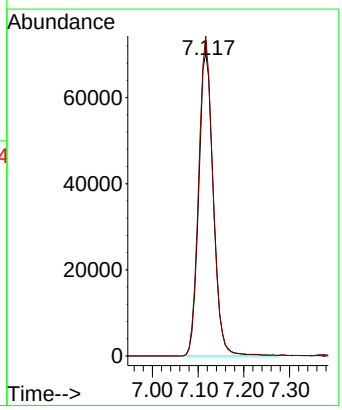


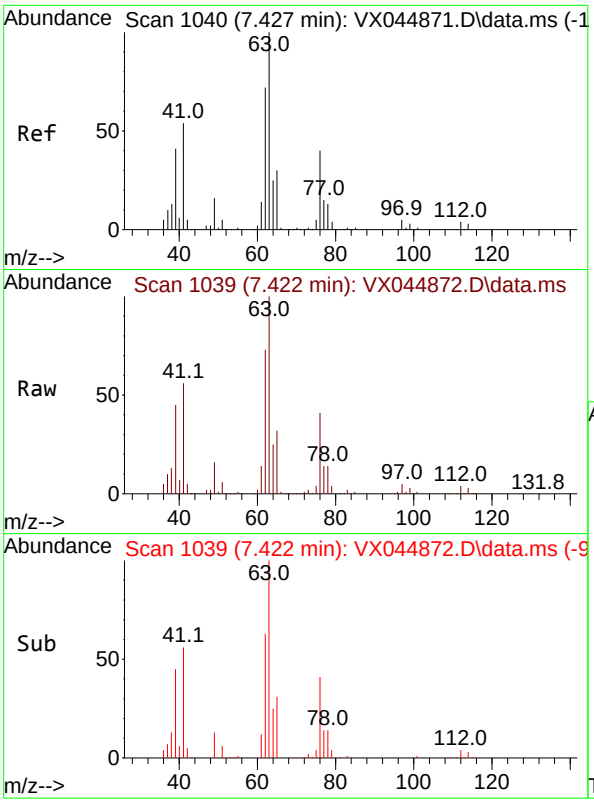


#44
Trichloroethene
Concen: 99.103 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:130 Resp: 156832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	202.4



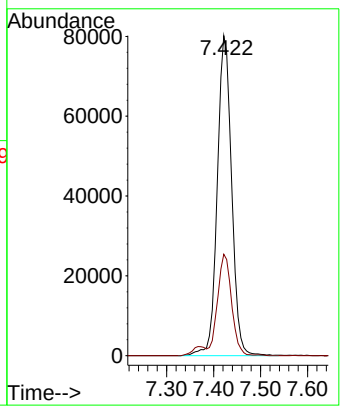


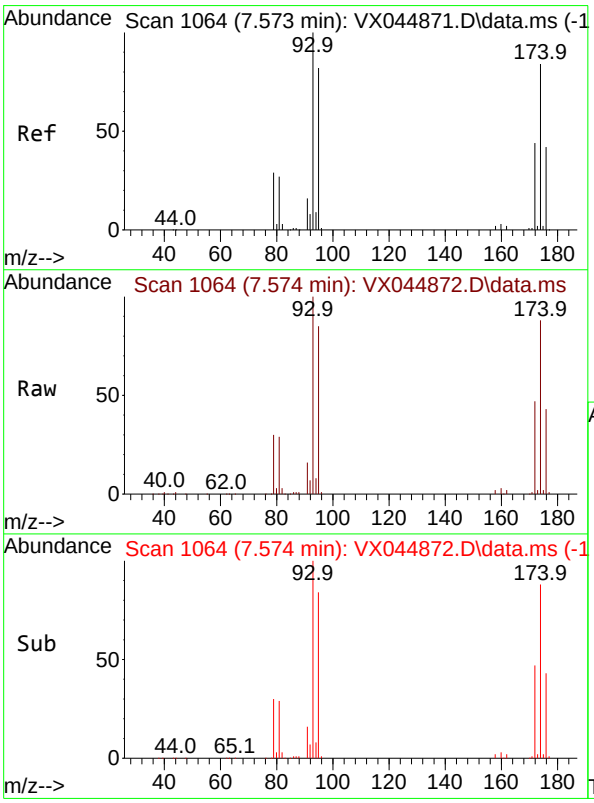
#45
1,2-Dichloropropane
Concen: 98.893 ug/l
RT: 7.422 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 170337

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.2	36.4

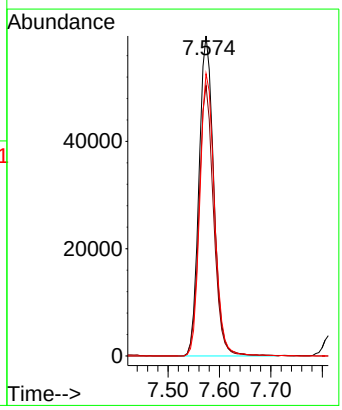


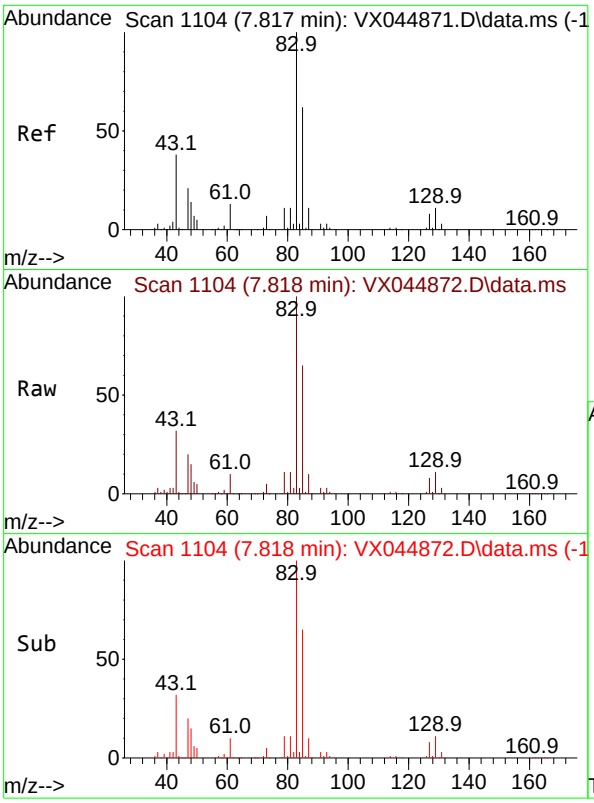


#46
Dibromomethane
Concen: 99.747 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 93 Resp: 119149

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.2	99.4
174	88.1	69.9	104.9



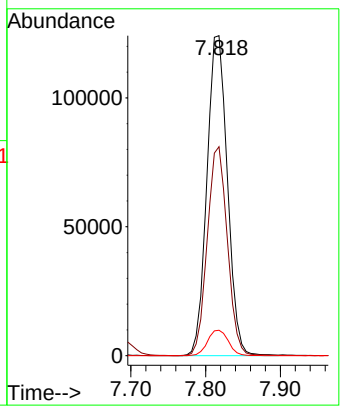


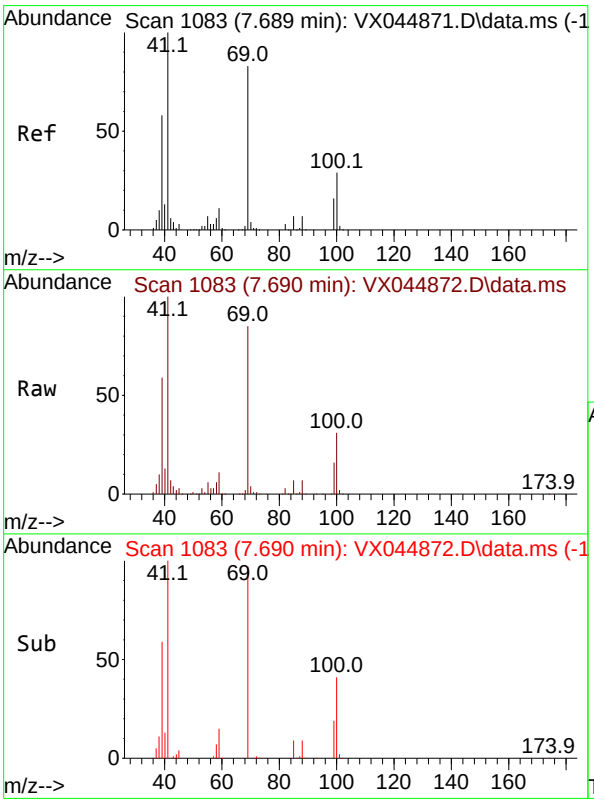
#47
Bromodichloromethane
Concen: 102.254 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 236506

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.0	75.0
127	8.0	6.4	9.6

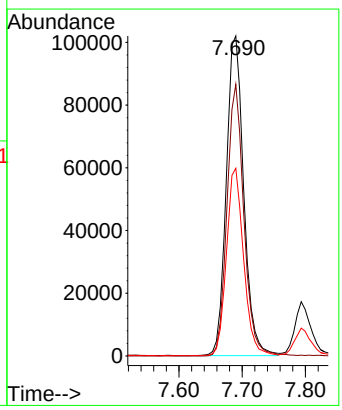


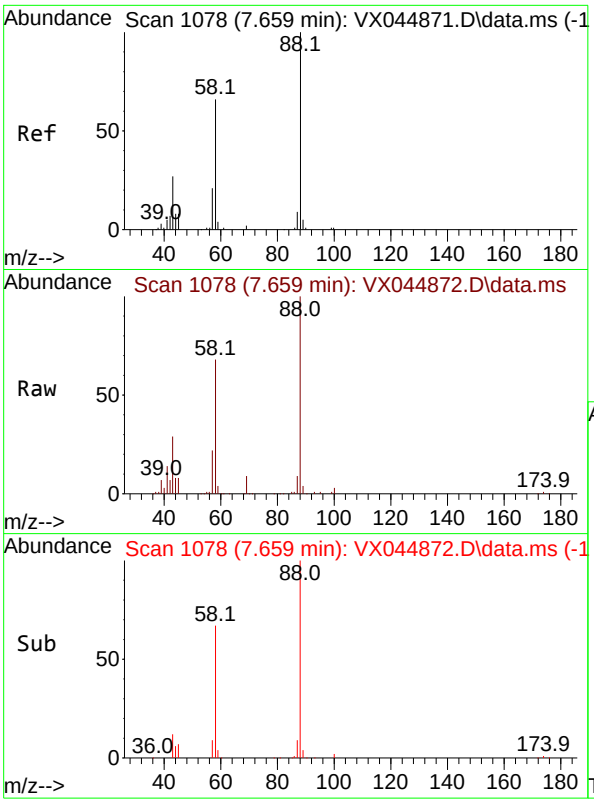


#48
Methyl methacrylate
Concen: 104.321 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 195892

Ion	Ratio	Lower	Upper
41	100		
69	82.1	65.8	98.8
39	57.3	46.4	69.6



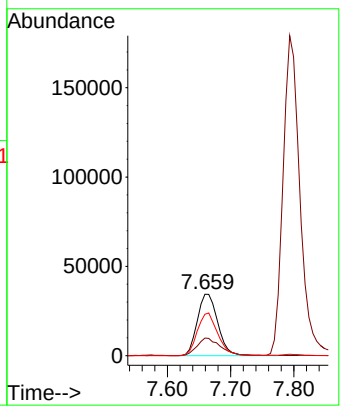


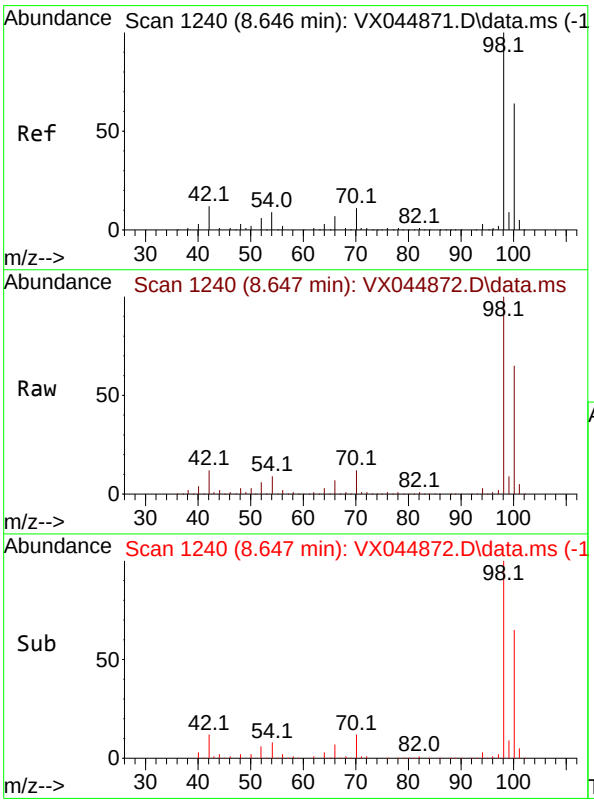
#49
1,4-Dioxane
Concen: 1931.508 ug/l
RT: 7.659 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 77816

Ion	Ratio	Lower	Upper
88	100		
43	31.8	26.6	39.8
58	68.9	55.9	83.9

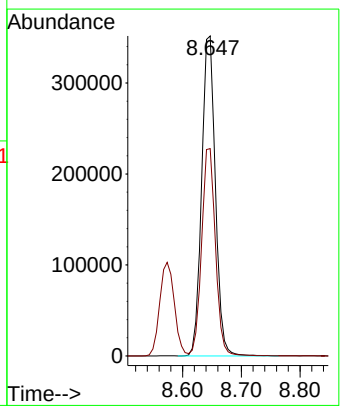


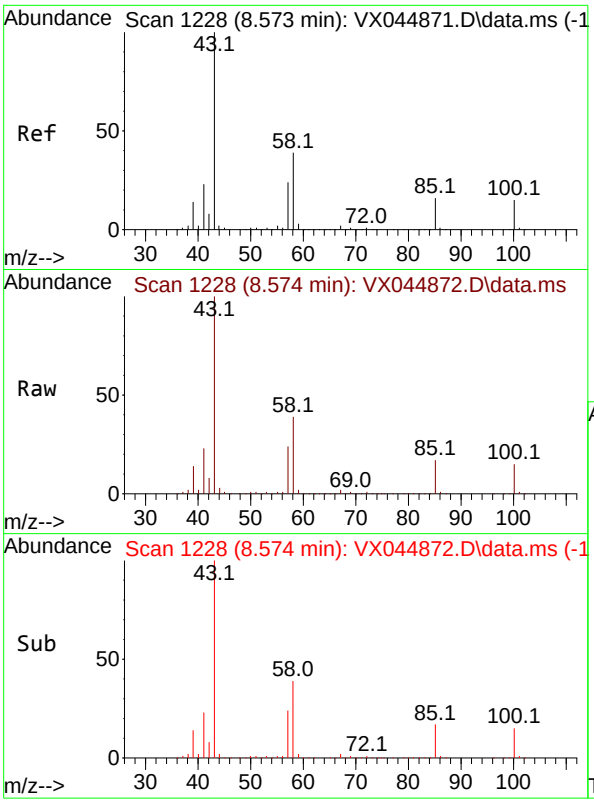


#50
Toluene-d8
Concen: 98.253 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 98 Resp: 570976

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1



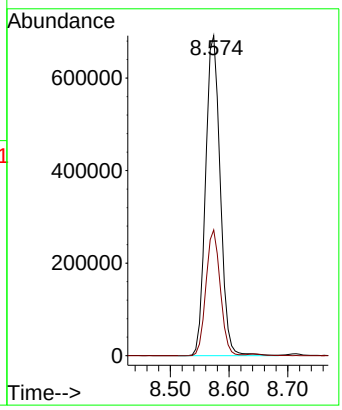


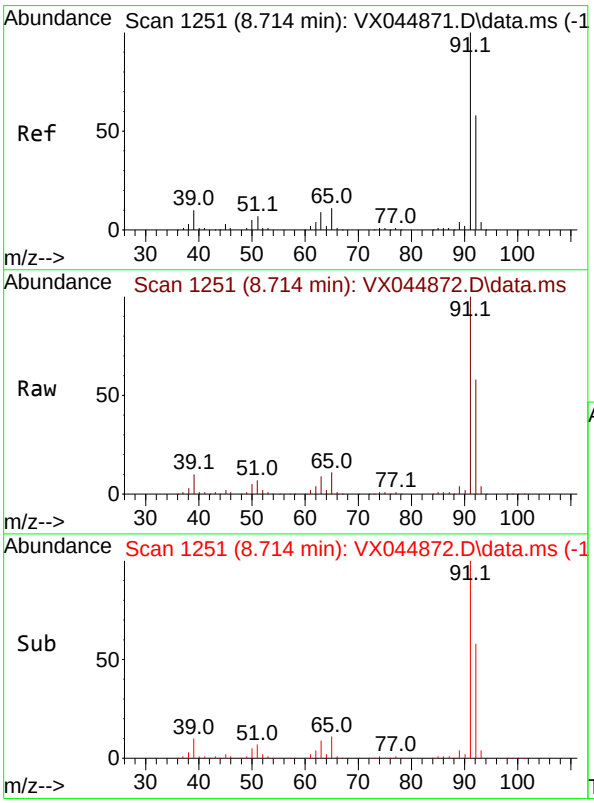
#51
4-Methyl-2-Pentanone
Concen: 494.353 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1196887

Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.8	46.2

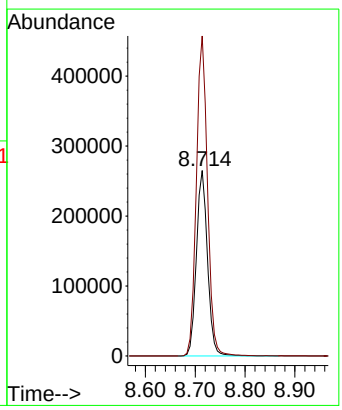


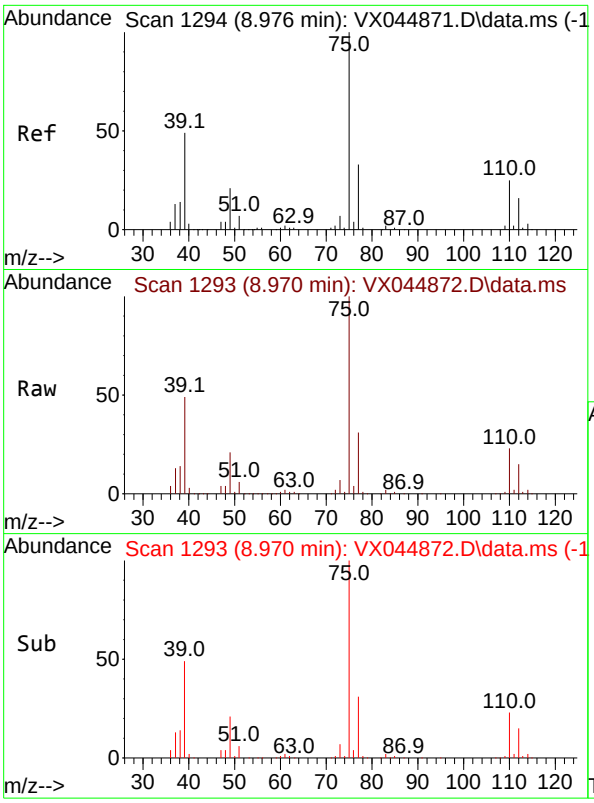


#52
Toluene
Concen: 99.270 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 92 Resp: 409318

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.4	206.2



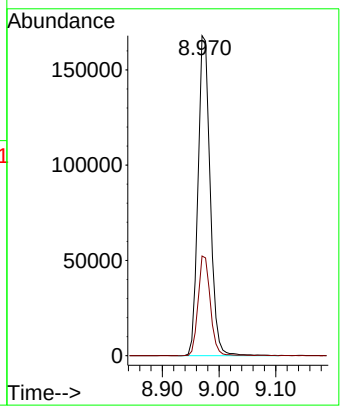


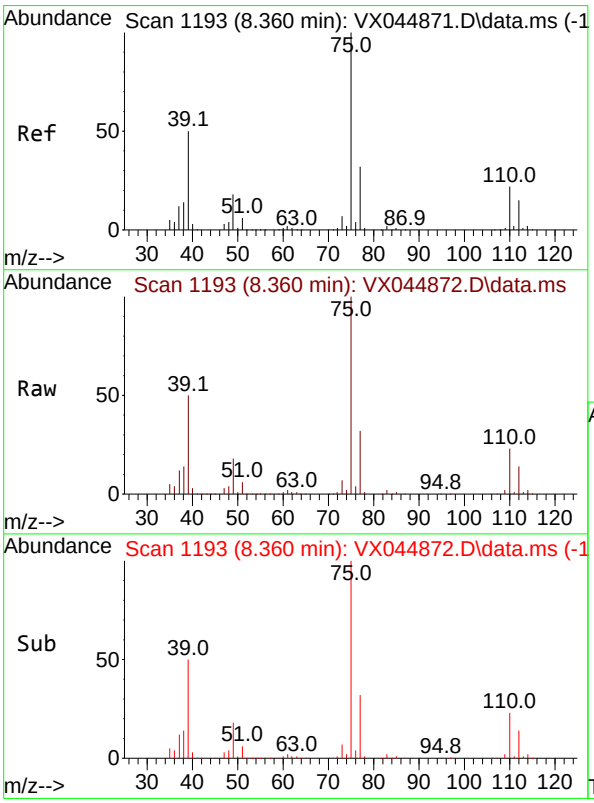
#53
t-1,3-Dichloropropene
Concen: 106.694 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 249725

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0

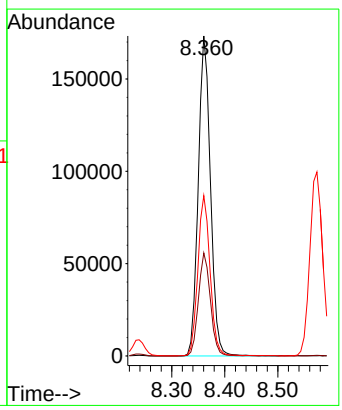


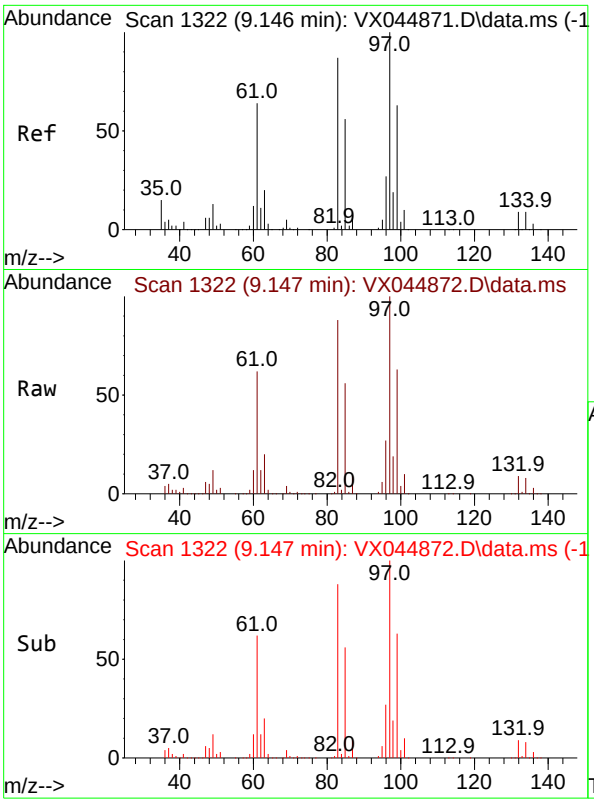


#54
cis-1,3-Dichloropropene
Concen: 106.287 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 277371

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.3	37.9
39	50.1	40.0	60.0



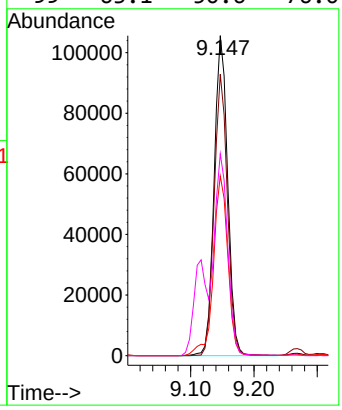


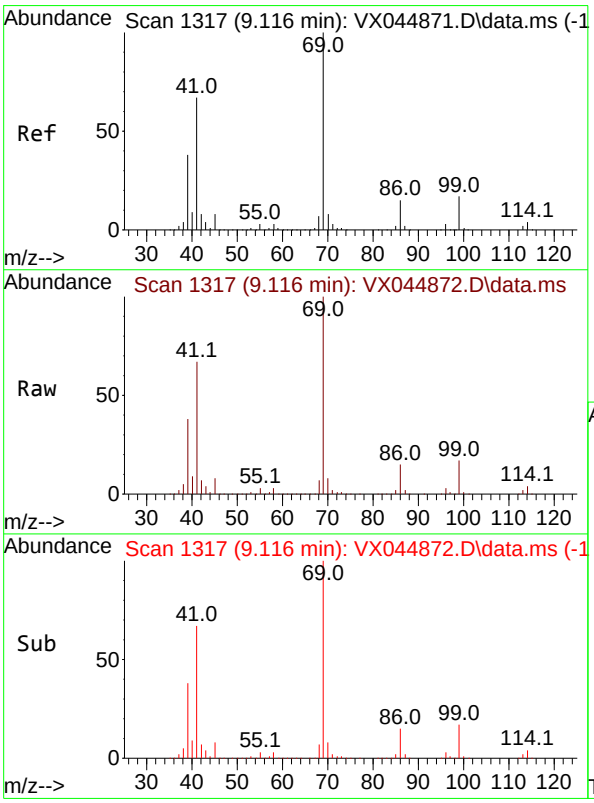
#55
1,1,2-Trichloroethane
Concen: 98.817 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 156629

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.8	104.6
85	56.2	44.8	67.2
99	63.1	50.6	76.0

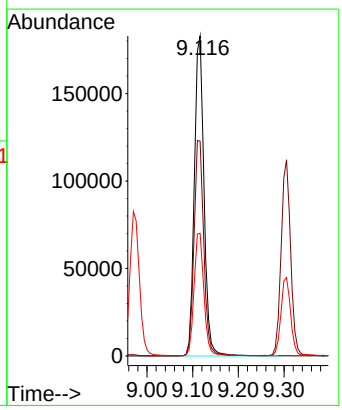


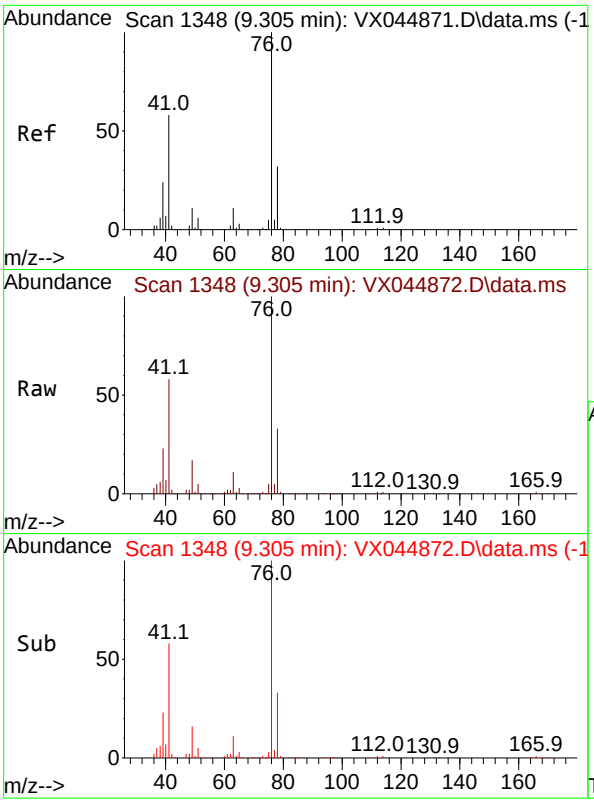


#56
Ethyl methacrylate
Concen: 104.958 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 69 Resp: 268693

Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.2	82.8
39	39.2	30.8	46.2



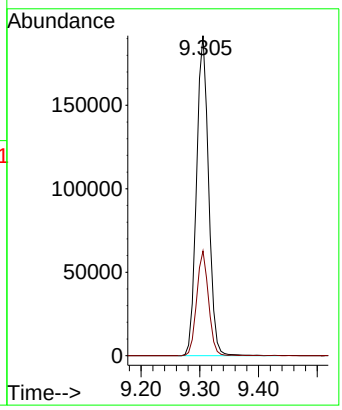


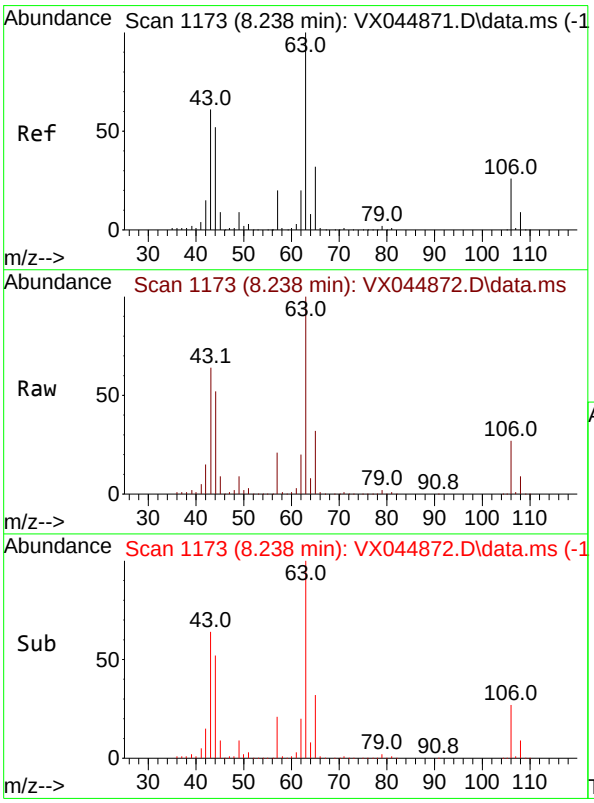
#57
1,3-Dichloropropane
Concen: 98.742 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 273845

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

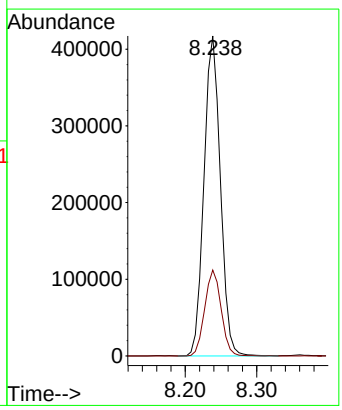


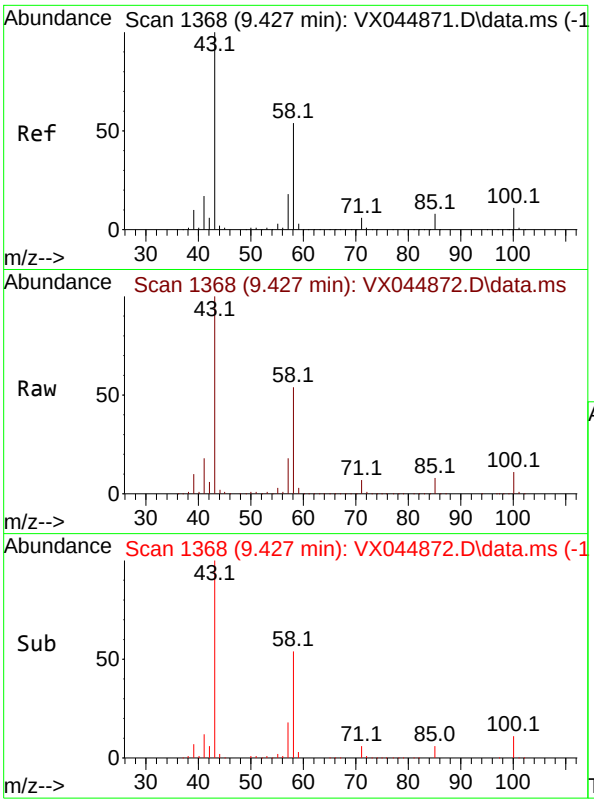


#58
2-Chloroethyl Vinyl ether
Concen: 528.405 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 664198

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.3	31.9



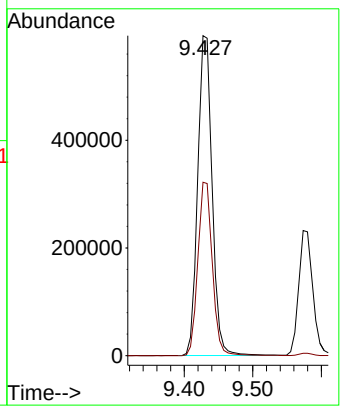


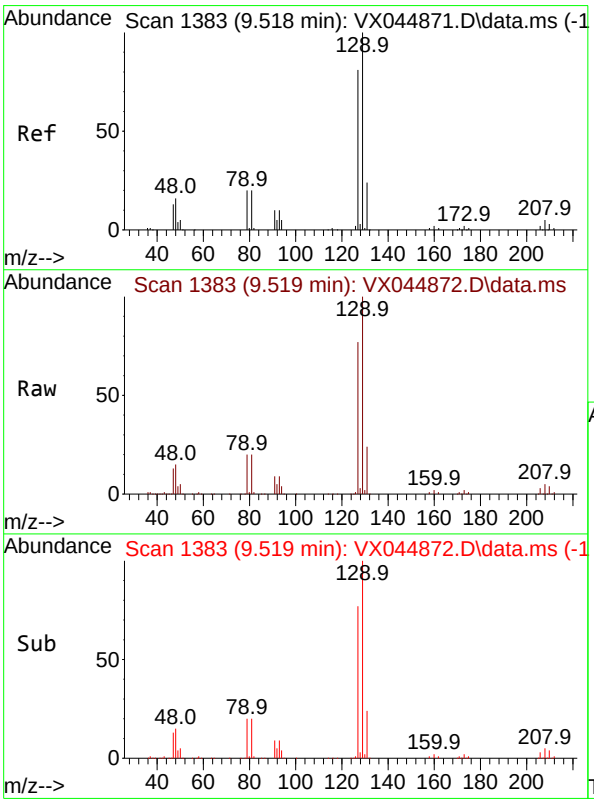
#59
2-Hexanone
Concen: 499.819 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 871904

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.5	82.4

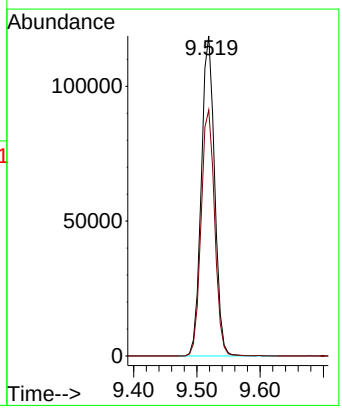


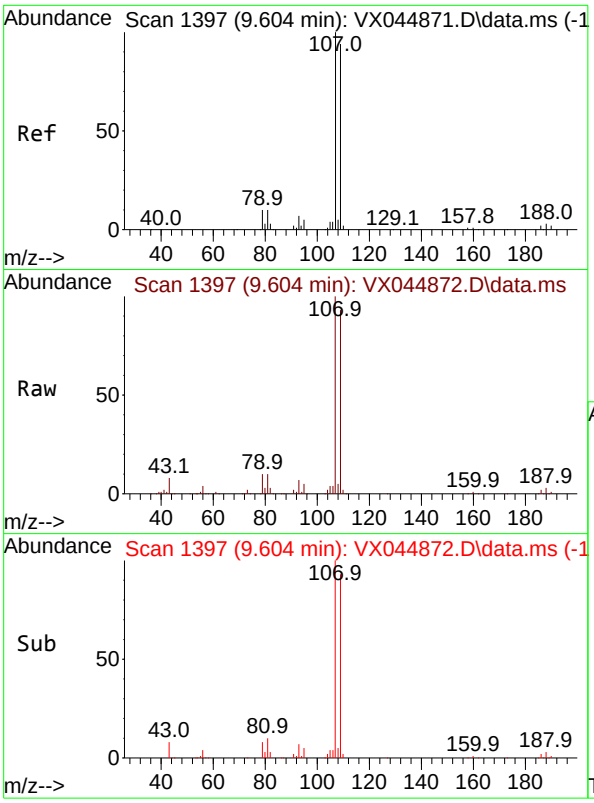


#60
Dibromochloromethane
Concen: 102.557 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:129 Resp: 173848

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.3



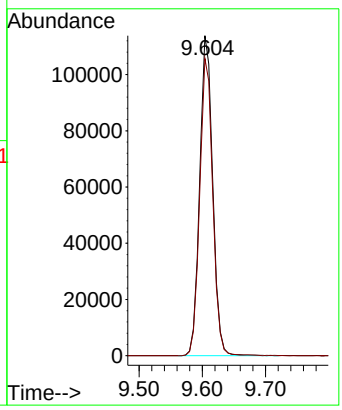


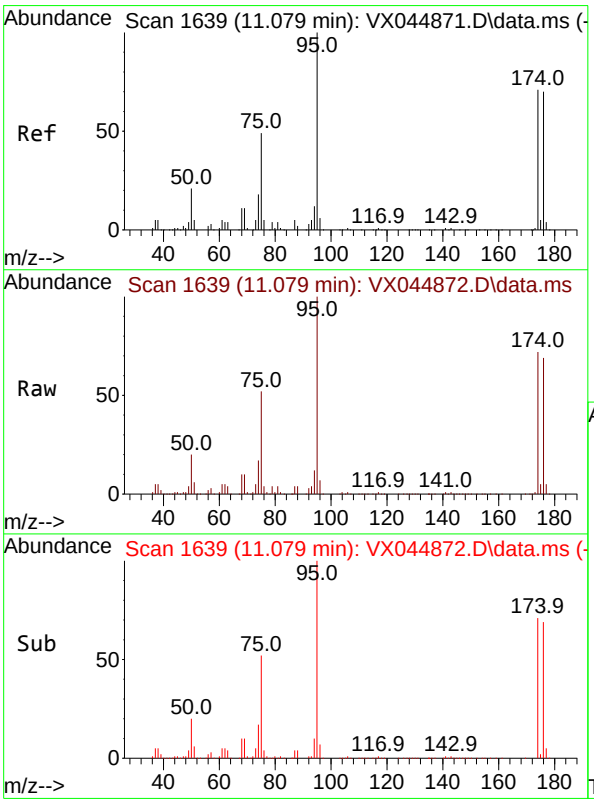
#61
1,2-Dibromoethane
Concen: 101.451 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 162982

Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.9	113.9

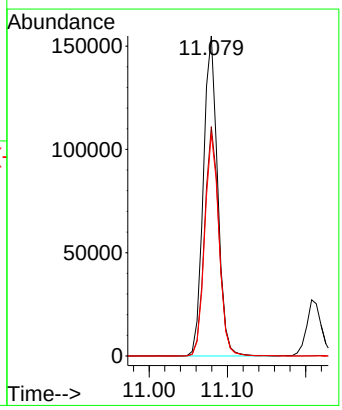


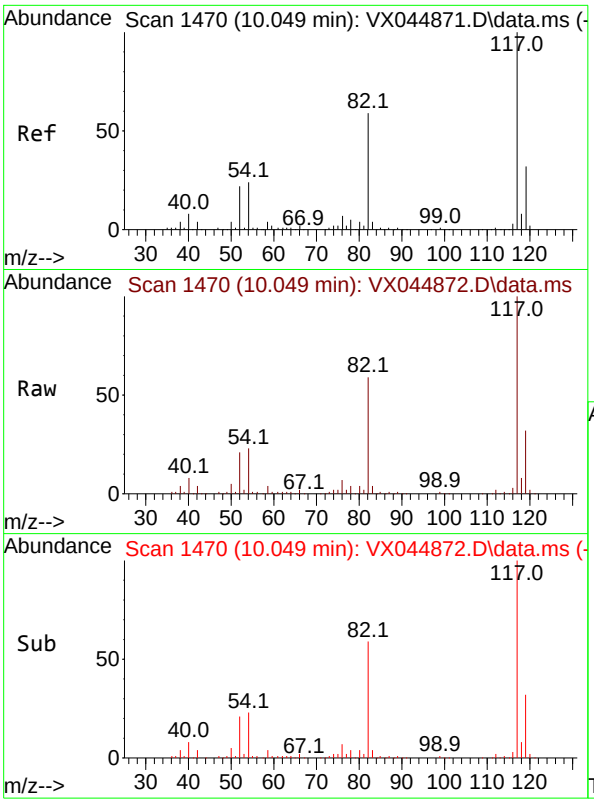


#62
4-Bromofluorobenzene
Concen: 100.079 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 95 Resp: 196066

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	142.6
176	68.8	0.0	141.6



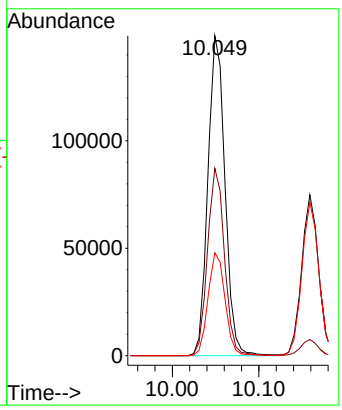


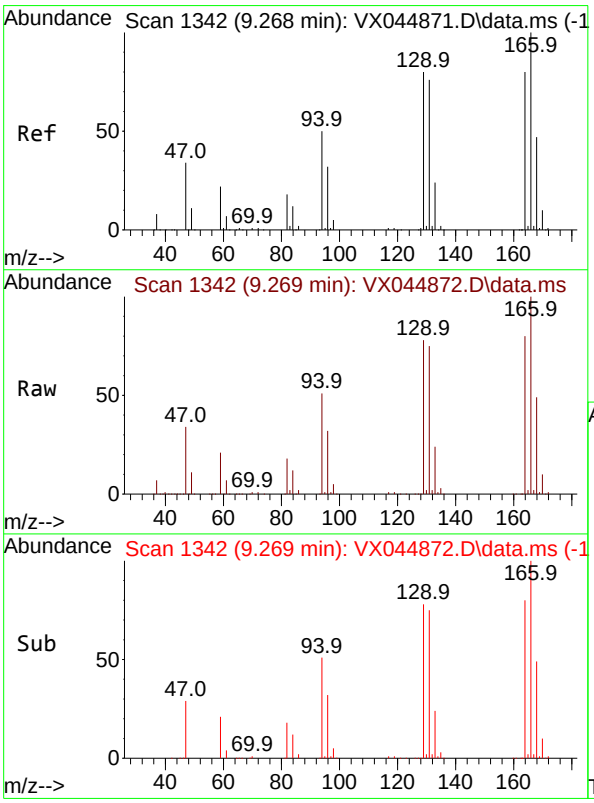
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 203881

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.5	71.3
119	32.2	25.4	38.0

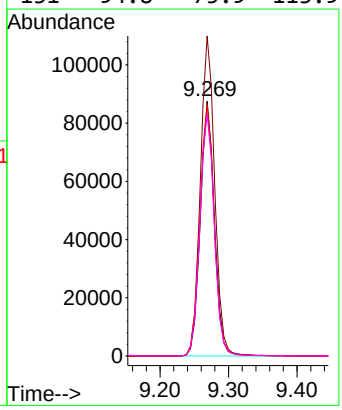


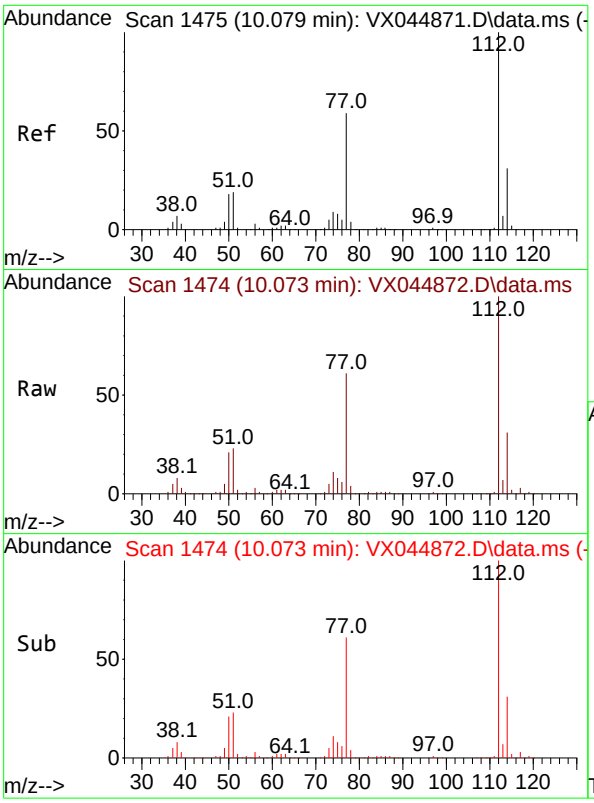


#64
Tetrachloroethene
Concen: 97.447 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:164 Resp: 125294

Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.4	150.6
129	98.6	79.9	119.9
131	94.8	75.9	113.9



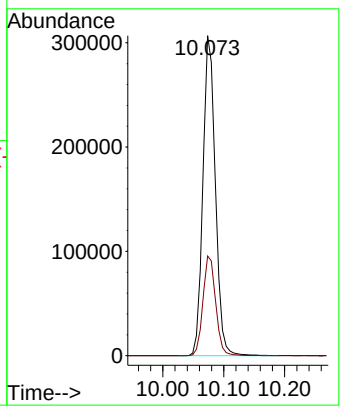


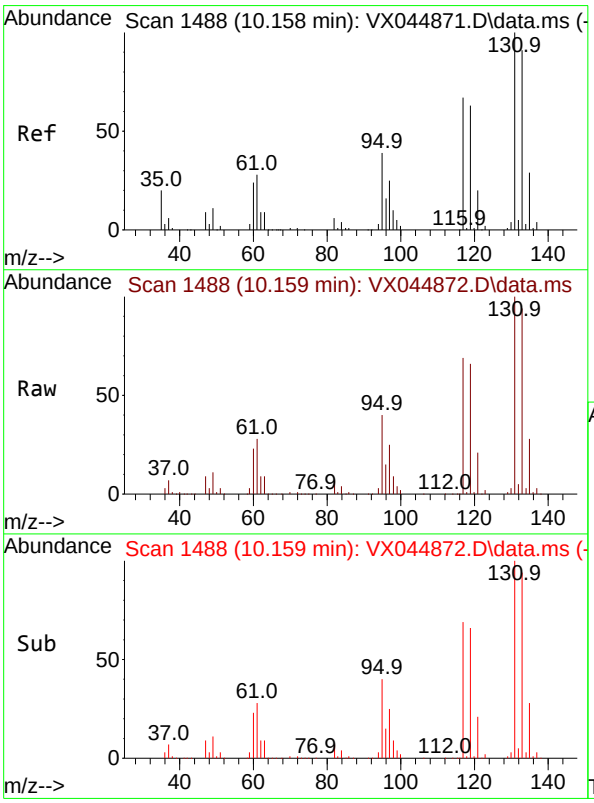
#65
Chlorobenzene
Concen: 99.694 ug/l
RT: 10.073 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 436565

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.0	37.6

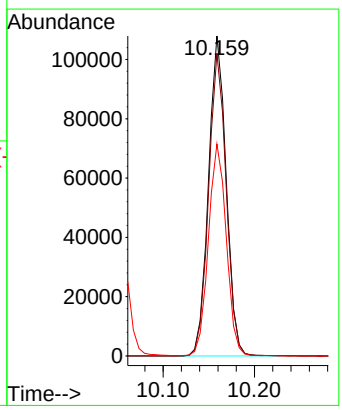


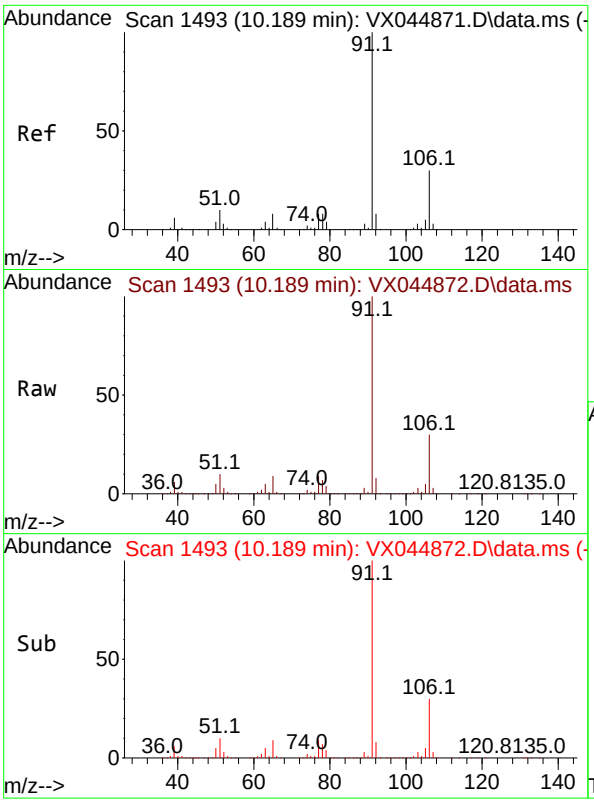


#66
1,1,1,2-Tetrachloroethane
Concen: 102.728 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:131 Resp: 144793

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.1	141.3
119	67.2	33.6	100.6



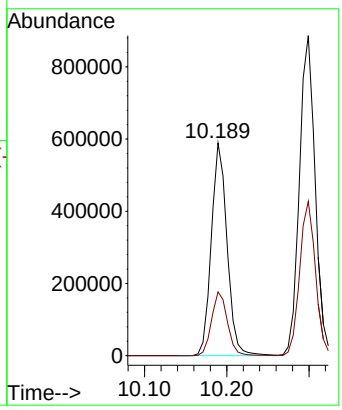


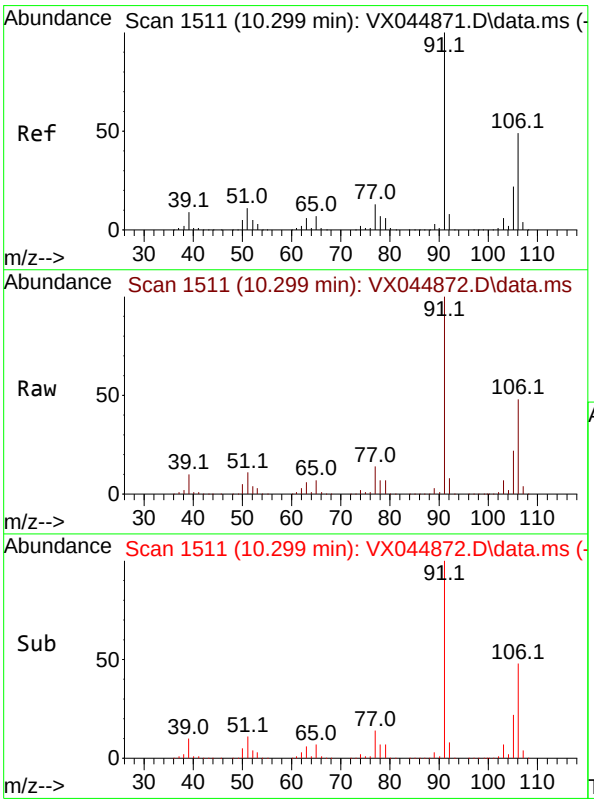
#67
Ethyl Benzene
Concen: 101.477 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 784184

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

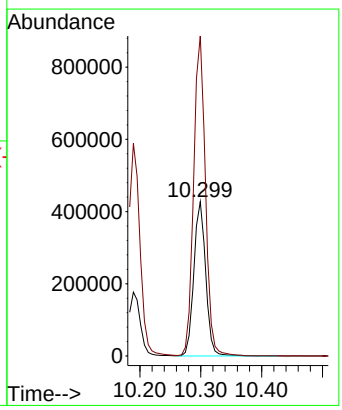


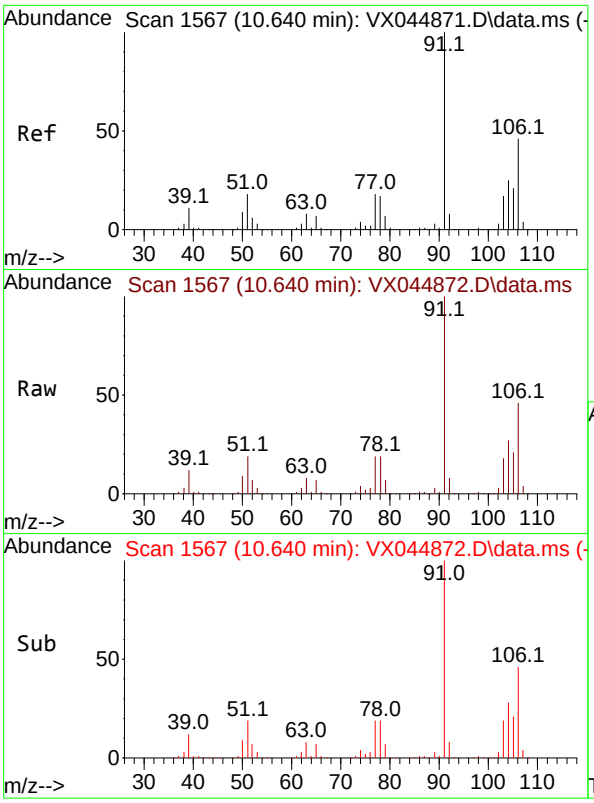


#68
m/p-Xylenes
Concen: 201.907 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:106 Resp: 575559

Ion	Ratio	Lower	Upper
106	100		
91	207.1	164.3	246.5



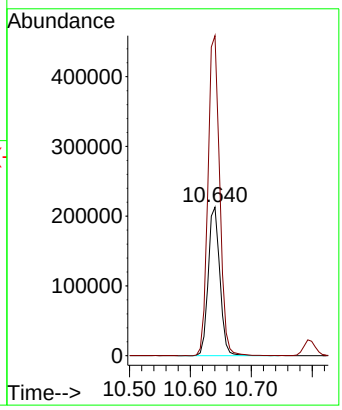


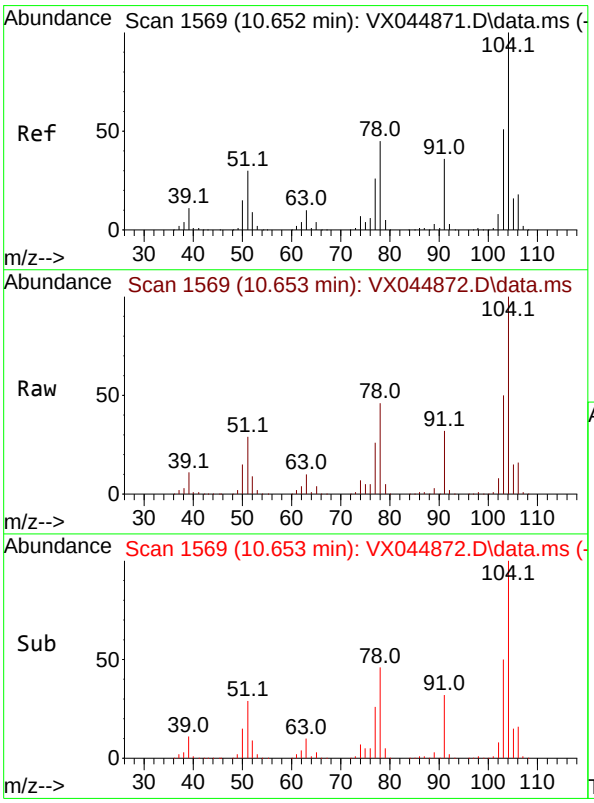
#69
o-Xylene
Concen: 98.530 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 281830

Ion	Ratio	Lower	Upper
106	100		
91	217.3	108.5	325.5

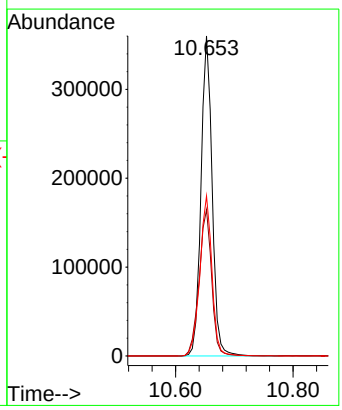


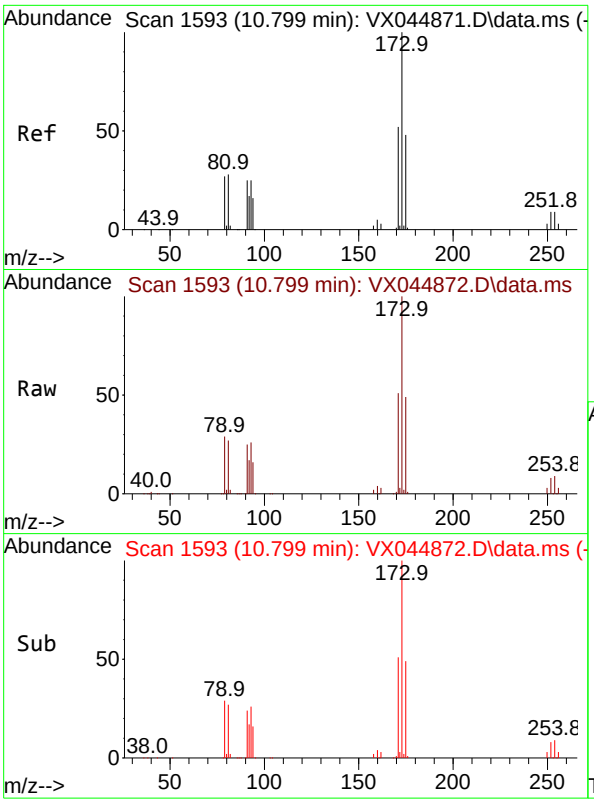


#70
Styrene
Concen: 102.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:104 Resp: 473403

Ion	Ratio	Lower	Upper
104	100		
78	51.5	40.5	60.7
103	54.5	43.6	65.4



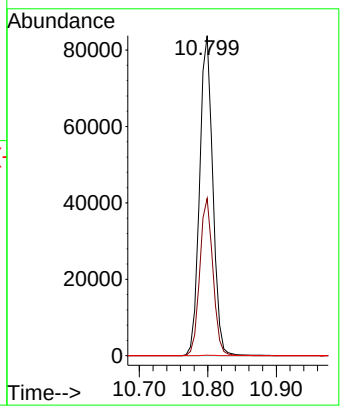


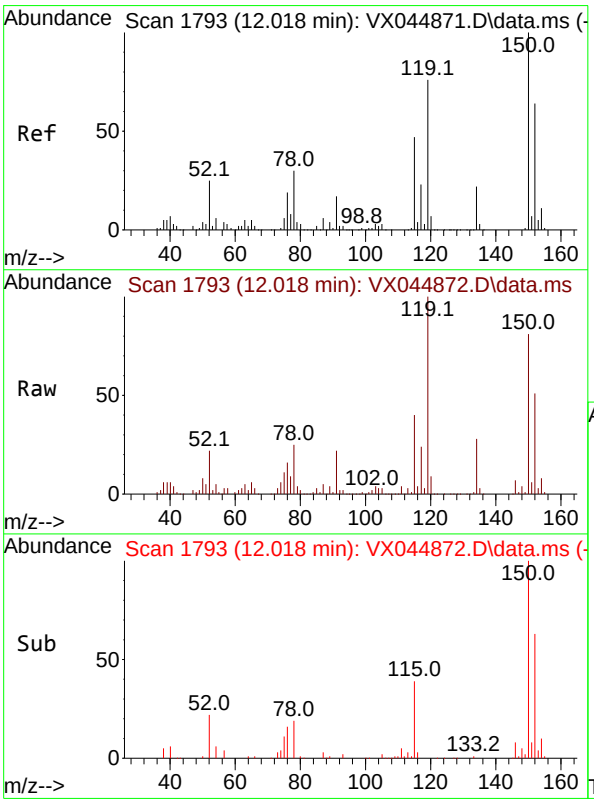
#71
Bromoform
Concen: 106.827 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 112371

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.1	0.0	0.0#

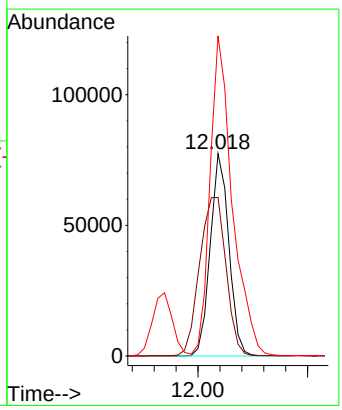


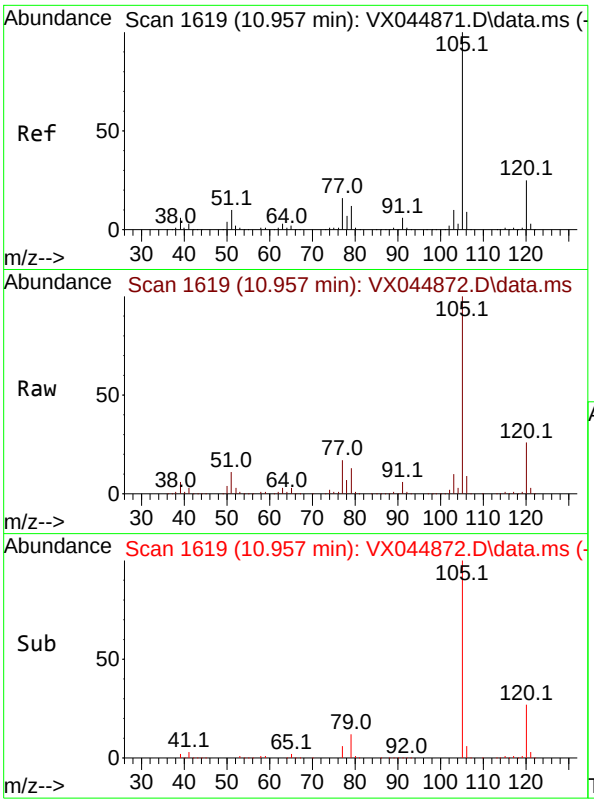


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:152 Resp: 91371

Ion	Ratio	Lower	Upper
152	100		
115	111.2	43.4	130.1
150	189.1	0.0	350.4



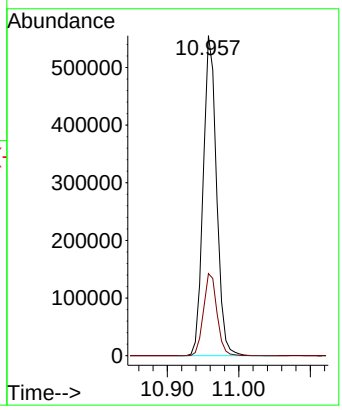


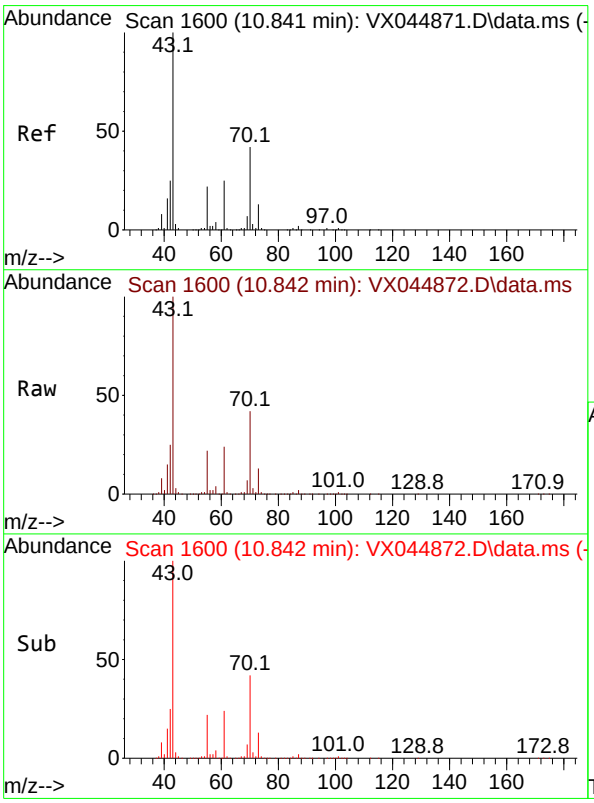
#73
Isopropylbenzene
Concen: 97.854 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 719923

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

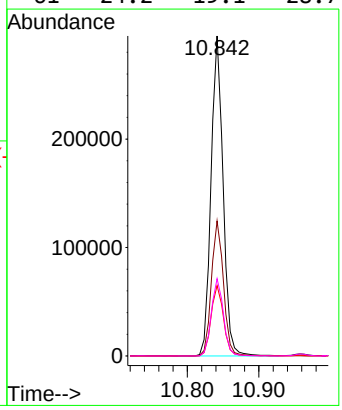


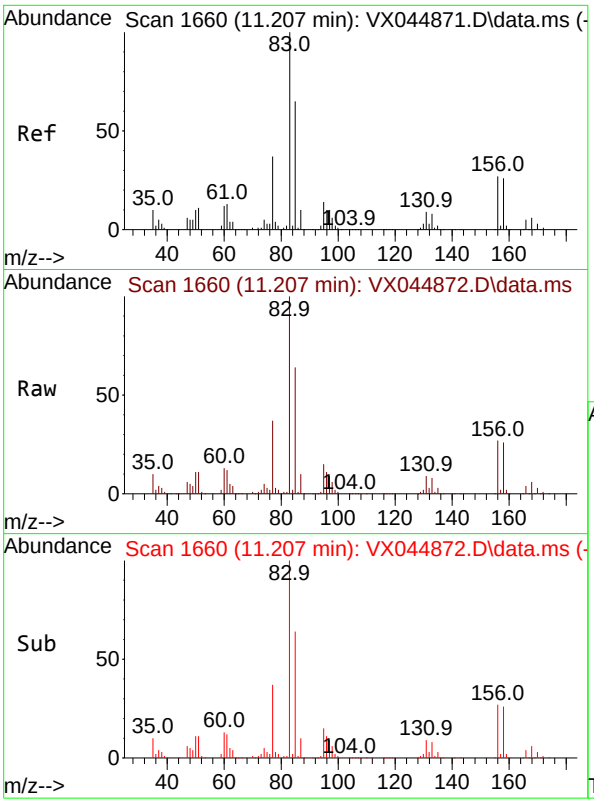


#74
N-amyl acetate
Concen: 103.687 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 345193

Ion	Ratio	Lower	Upper
43	100		
70	42.4	33.7	50.5
55	22.6	18.6	27.8
61	24.2	19.1	28.7



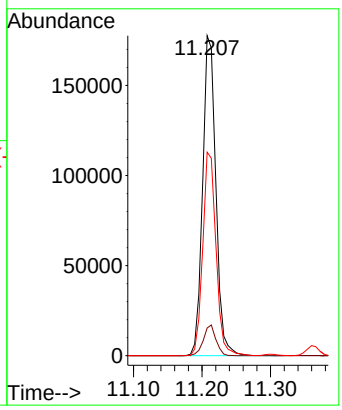


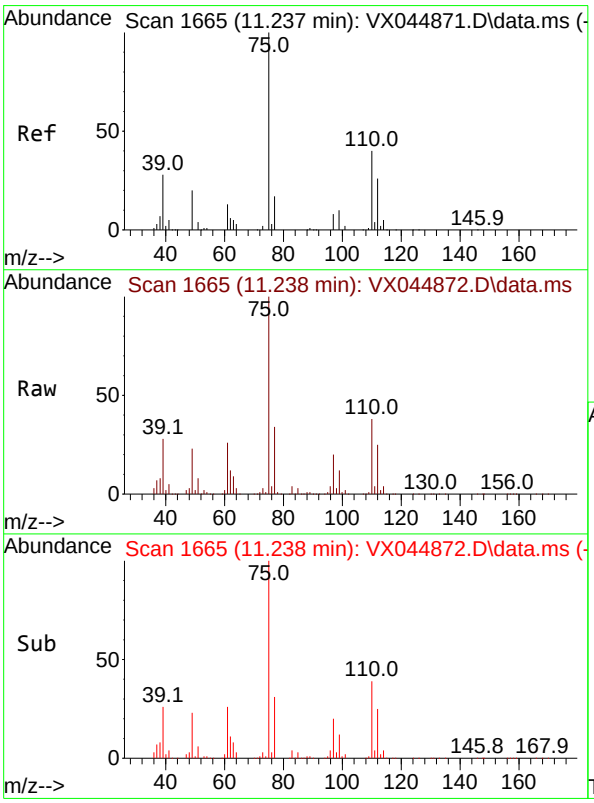
#75
1,1,2,2-Tetrachloroethane
Concen: 94.351 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 238529

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.5
85	63.9	32.3	96.8

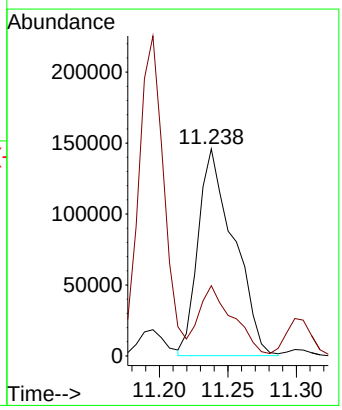


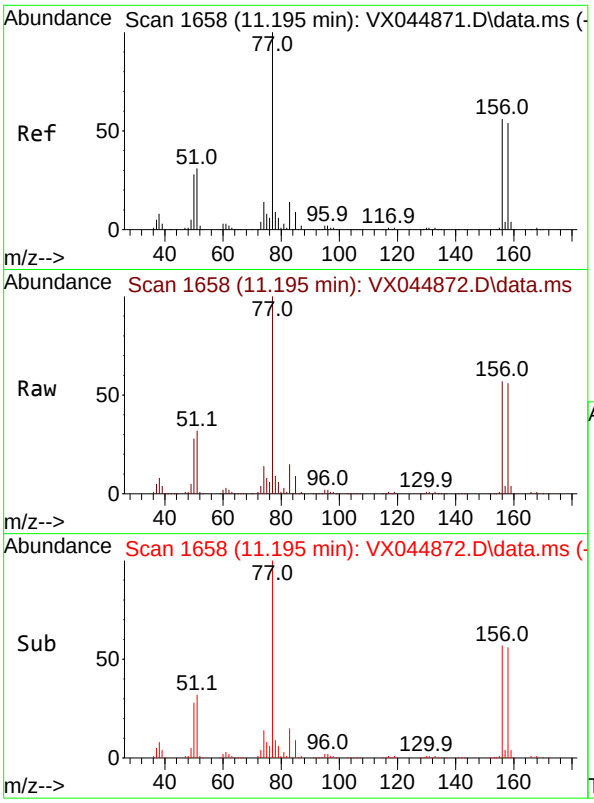


#76
1,2,3-Trichloropropane
Concen: 130.869 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 265118

Ion	Ratio	Lower	Upper
75	100		
77	32.5	21.9	65.7



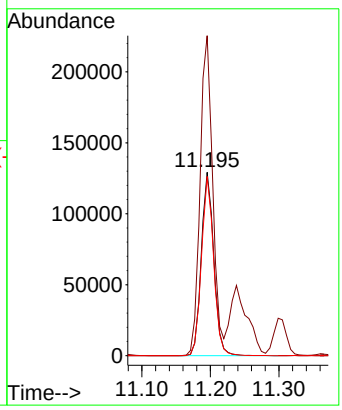


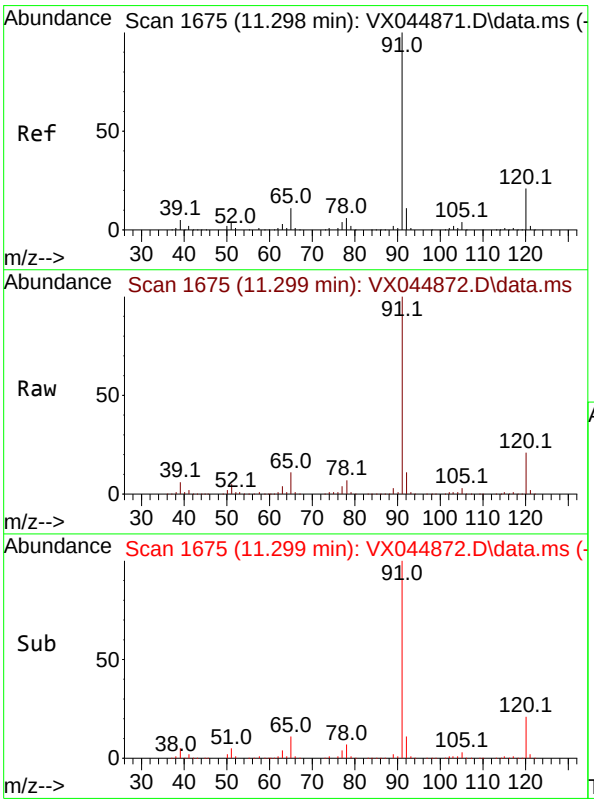
#77
Bromobenzene
Concen: 98.230 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 163845

Ion	Ratio	Lower	Upper
156	100		
77	176.7	88.4	265.3
158	95.7	48.4	145.2

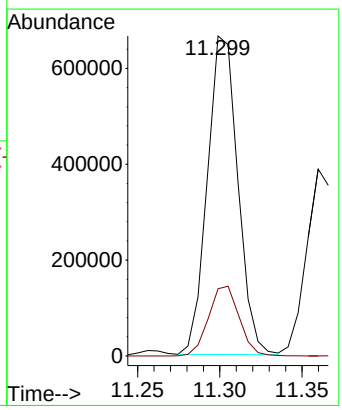


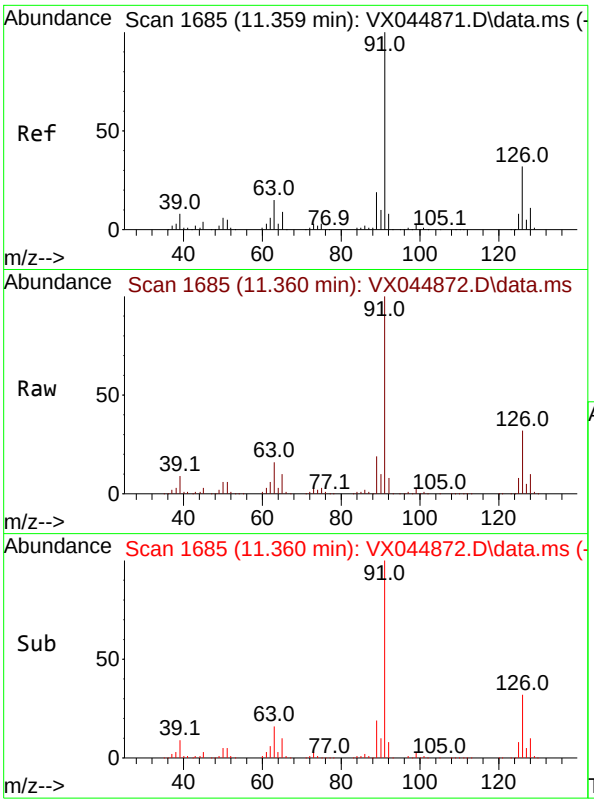


#78
n-propylbenzene
Concen: 101.132 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 858793

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3



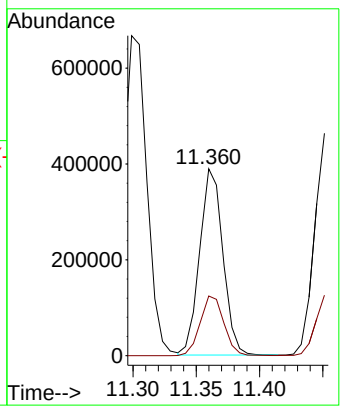


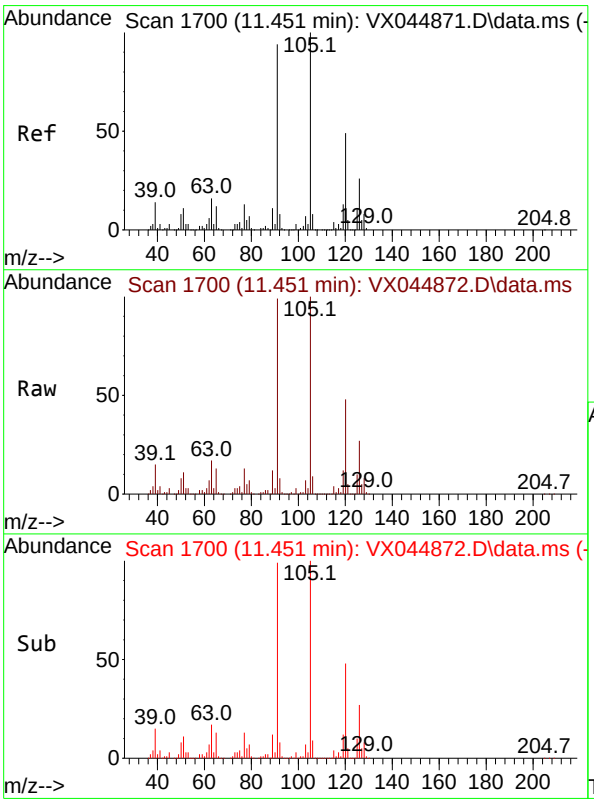
#79
2-Chlorotoluene
Concen: 95.257 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 497149

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6

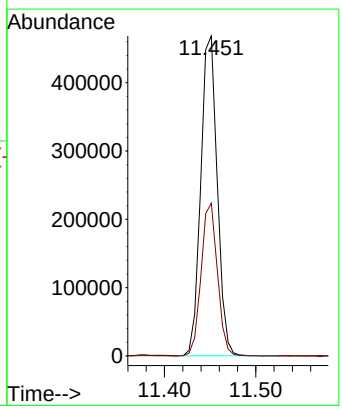


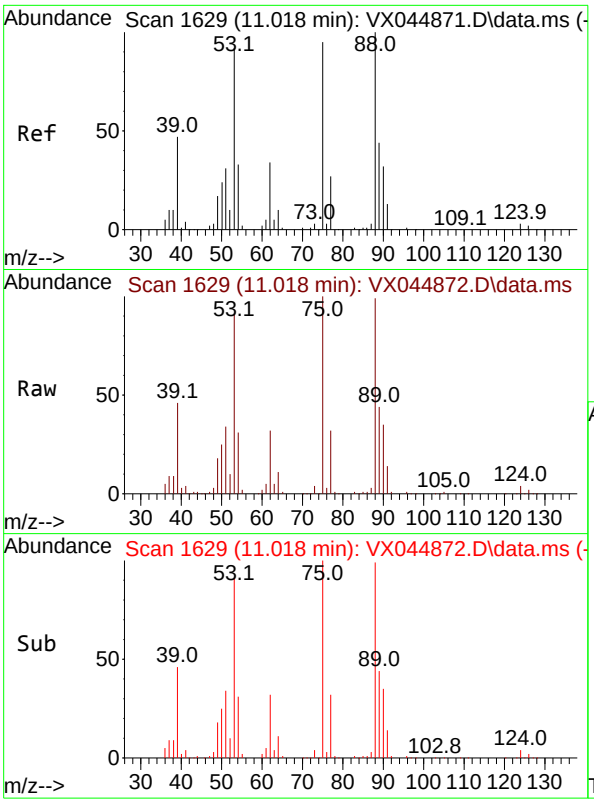


#80
1,3,5-Trimethylbenzene
Concen: 97.966 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 584885

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.0	72.0



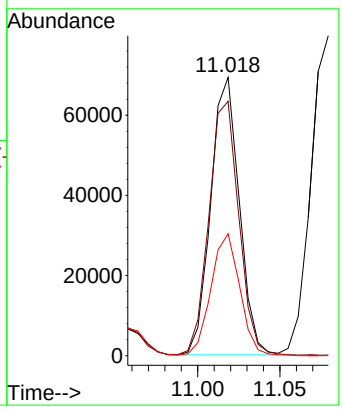


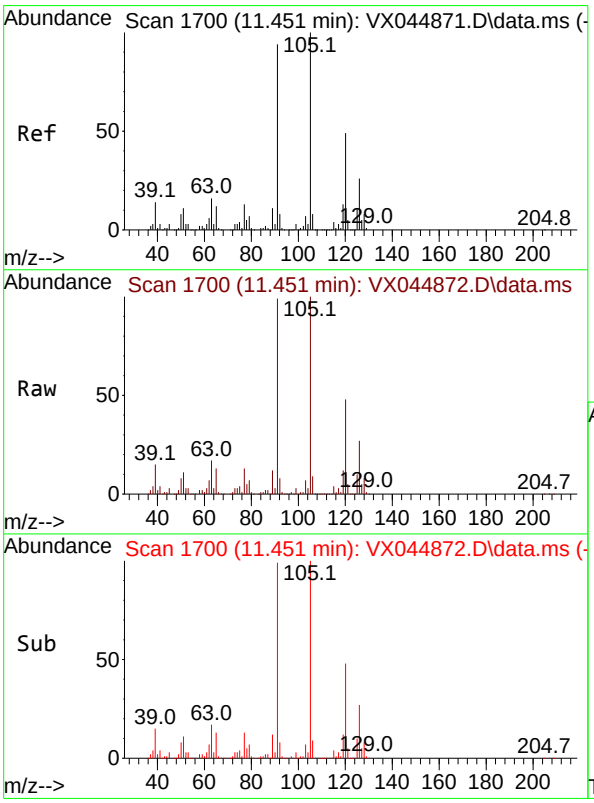
#81
trans-1,4-Dichloro-2-butene
Concen: 106.006 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 83483

Ion	Ratio	Lower	Upper
75	100		
53	95.9	78.0	117.0
89	44.6	36.6	54.8

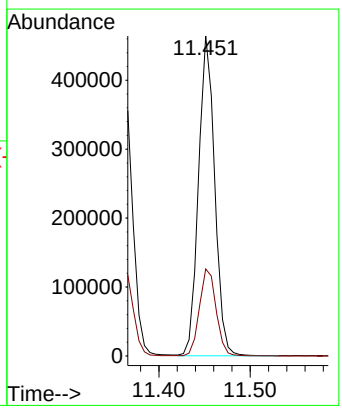


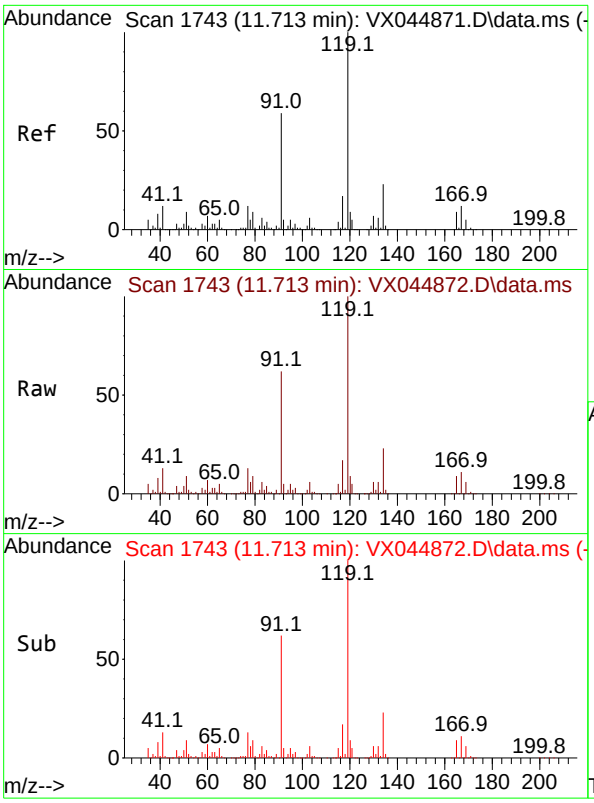


#82
4-Chlorotoluene
Concen: 98.634 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 569510

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.2	42.6



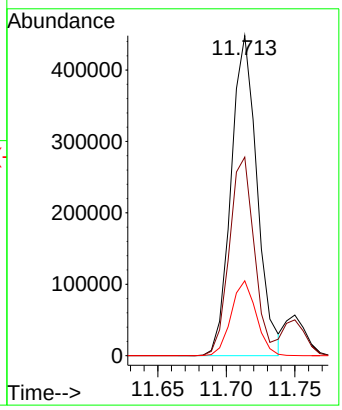


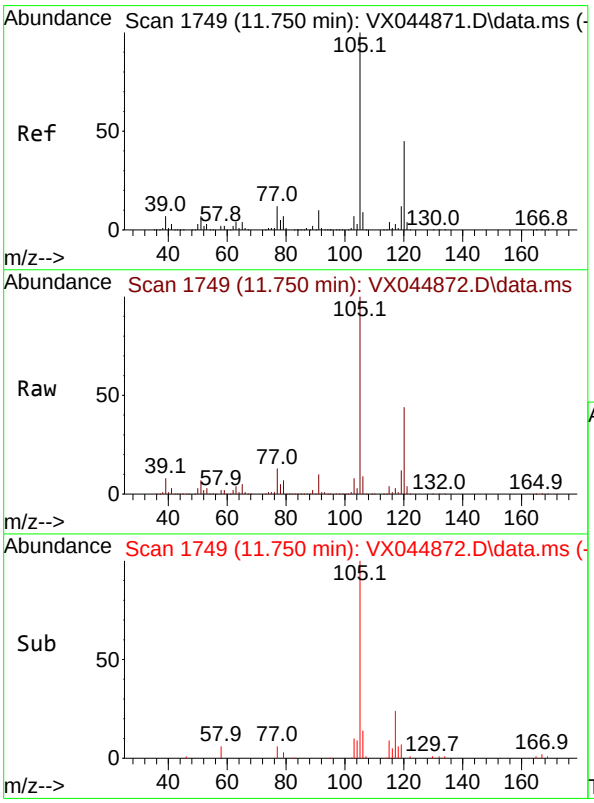
#83
tert-Butylbenzene
Concen: 97.917 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 591396

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.1	87.4
134	22.6	11.5	34.5

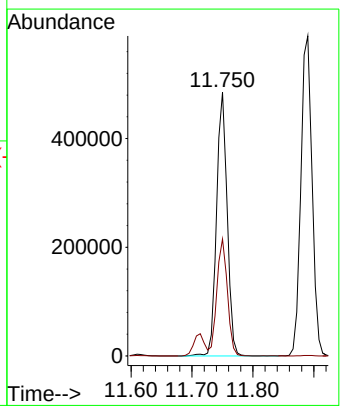


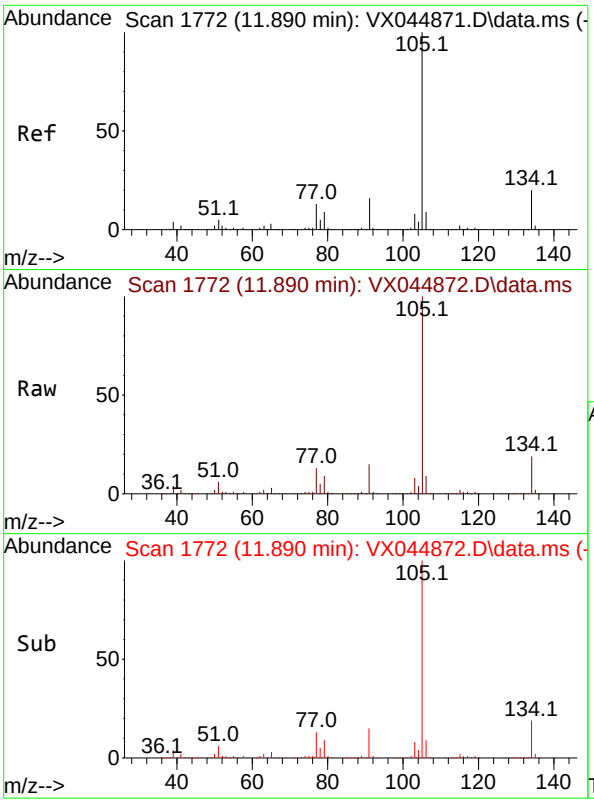


#84
1,2,4-Trimethylbenzene
Concen: 99.851 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 588385

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.4	67.0



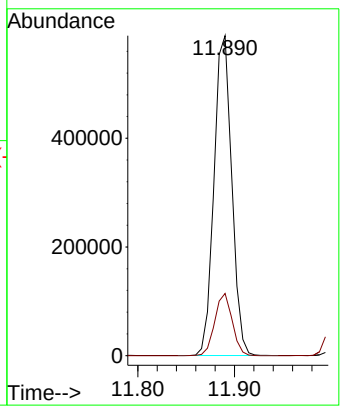


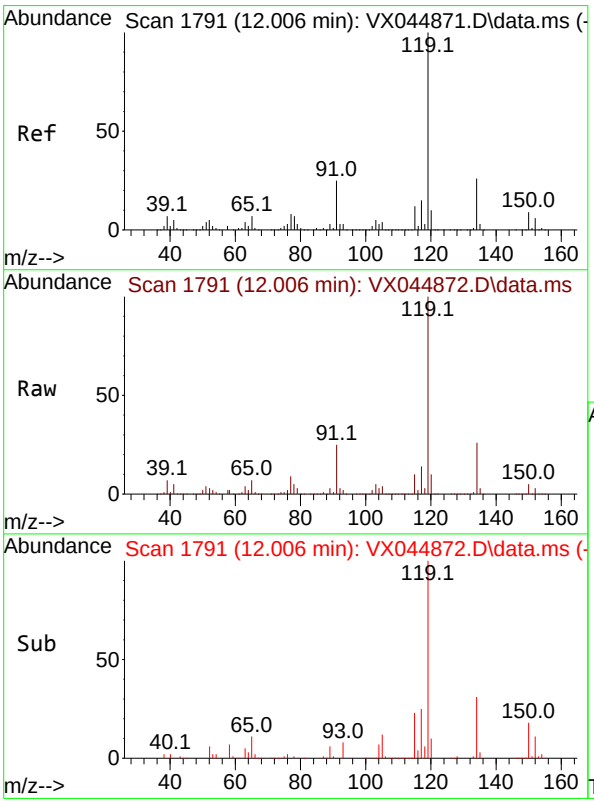
#85
sec-Butylbenzene
Concen: 100.219 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 749534

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.3

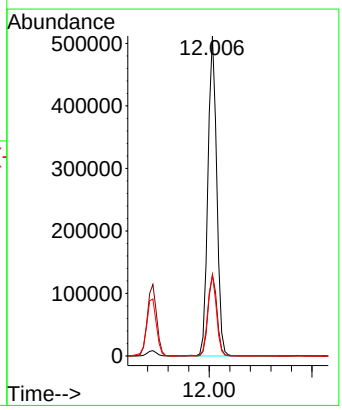


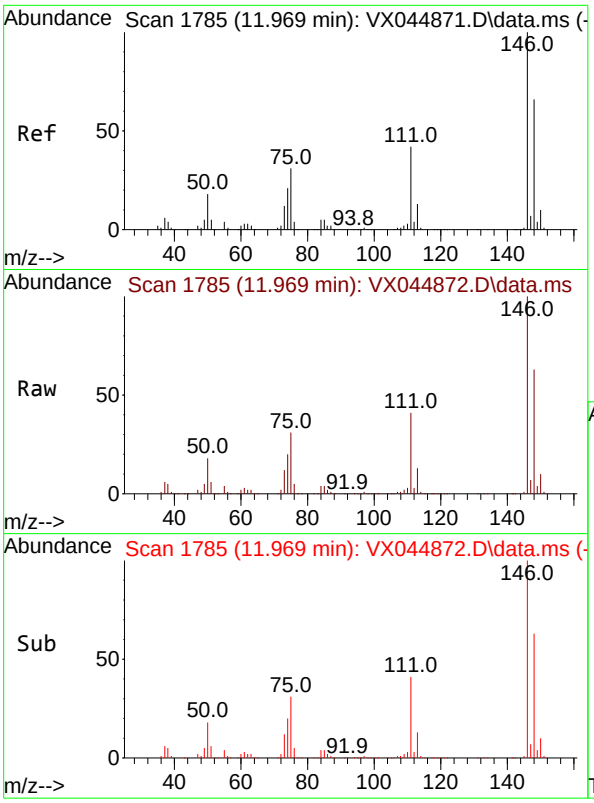


#86
p-Isopropyltoluene
Concen: 101.019 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:119 Resp: 607577

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	25.0	12.1	36.3



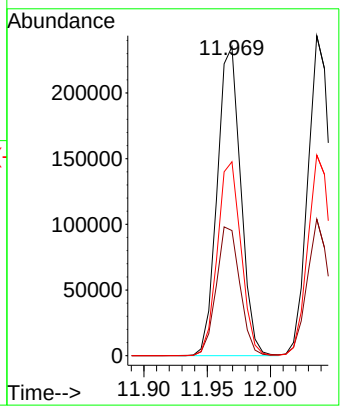


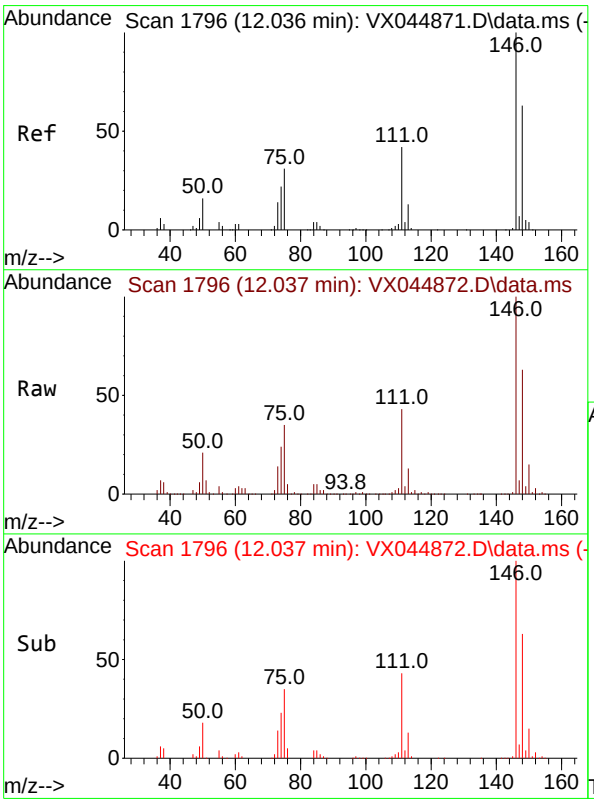
#87
1,3-Dichlorobenzene
Concen: 99.061 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 303851

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	63.1	32.5	97.5

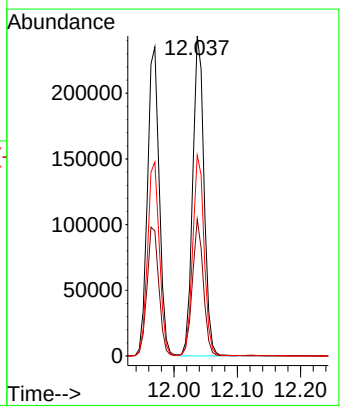


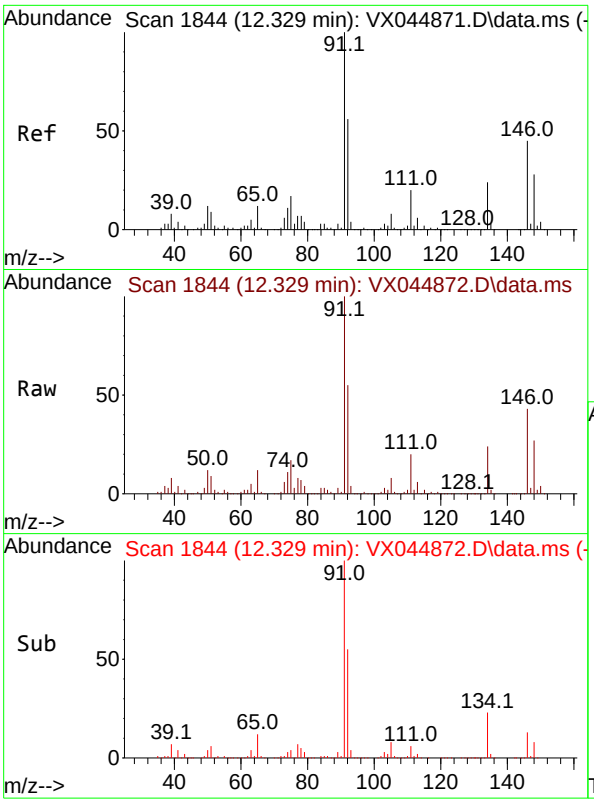


#88
1,4-Dichlorobenzene
Concen: 97.830 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:146 Resp: 303417

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	63.0	32.0	96.0



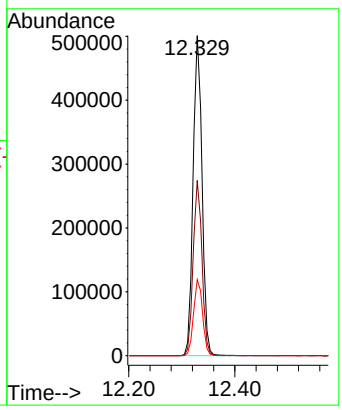


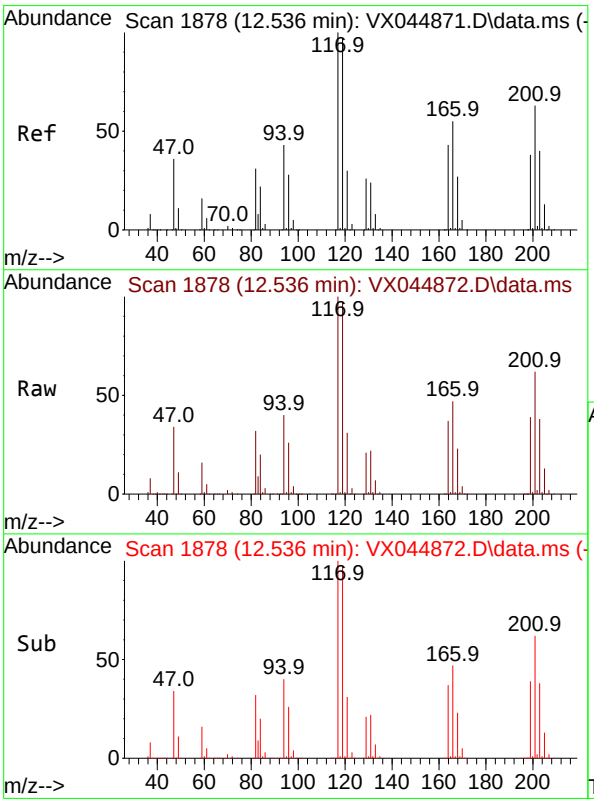
#89
n-Butylbenzene
Concen: 109.686 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 583634

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	24.0	12.1	36.3

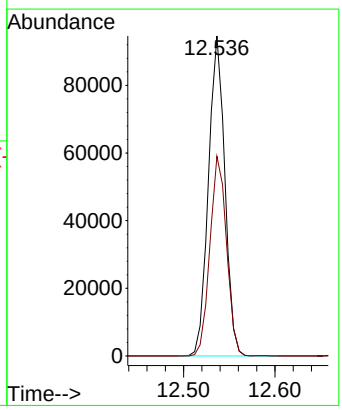


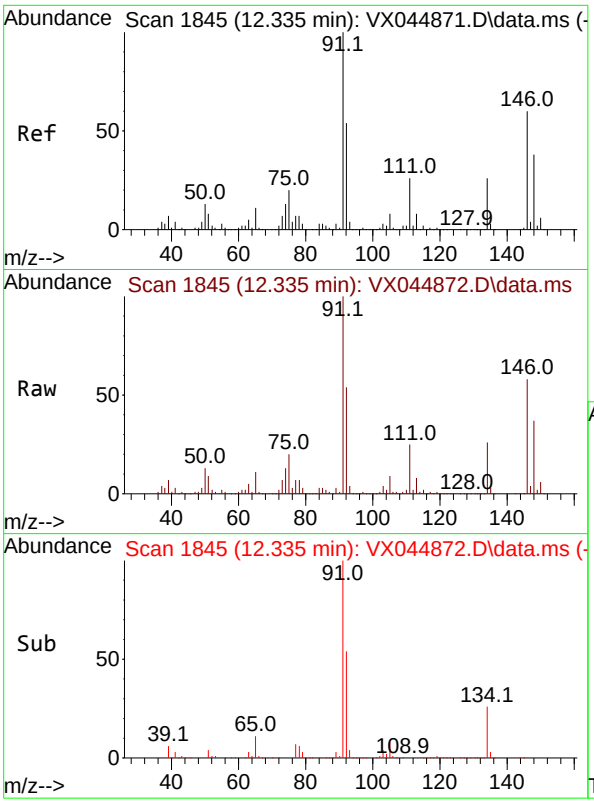


#90
Hexachloroethane
Concen: 104.365 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:117 Resp: 117533

Ion	Ratio	Lower	Upper
117	100		
201	63.4	32.5	97.5



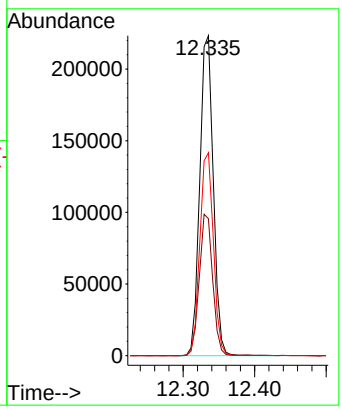


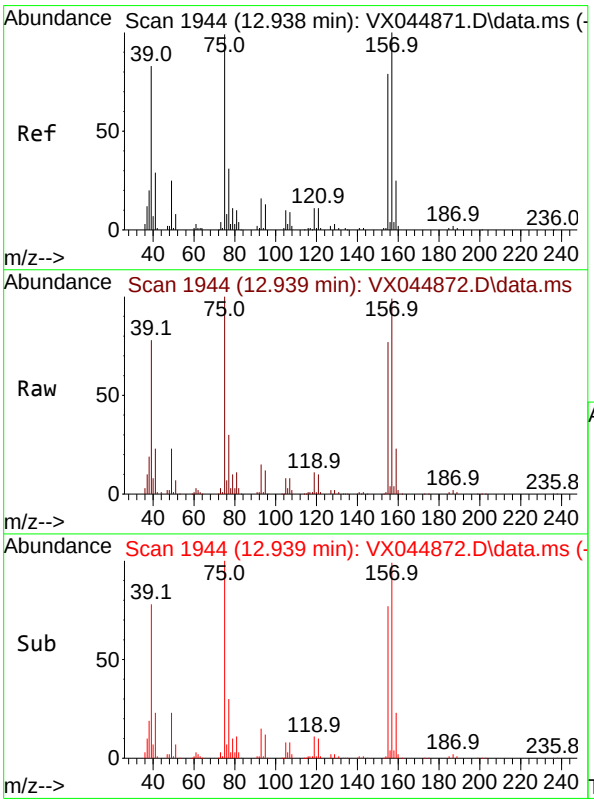
#91
1,2-Dichlorobenzene
Concen: 97.244 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 293151

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.9	31.9	95.9

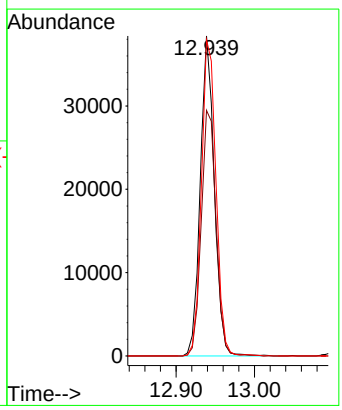


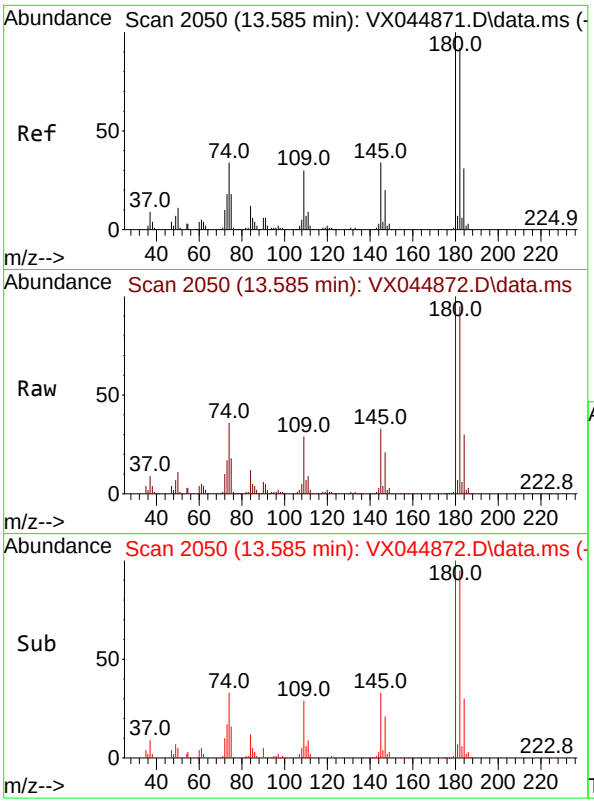


#92
1,2-Dibromo-3-Chloropropane
Concen: 103.477 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 47745

Ion	Ratio	Lower	Upper
75	100		
155	81.0	40.5	121.4
157	102.3	51.4	154.3



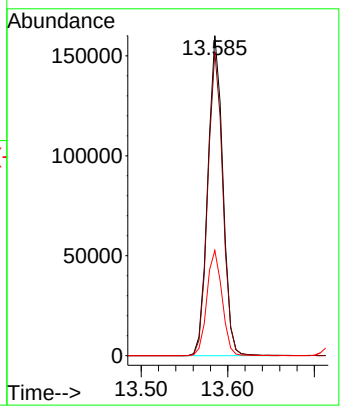


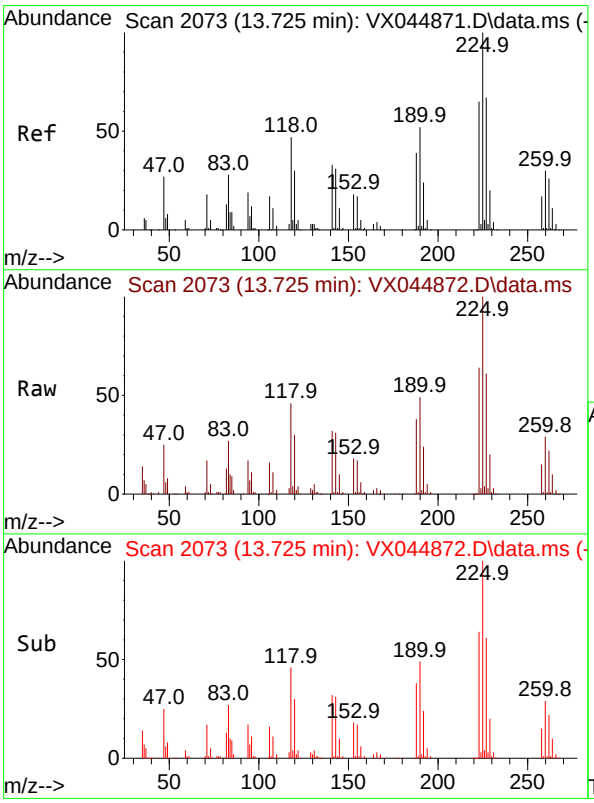
#93
1,2,4-Trichlorobenzene
Concen: 105.921 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 193214

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.8
145	33.2	16.4	49.1

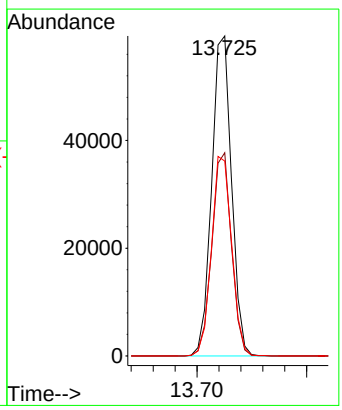


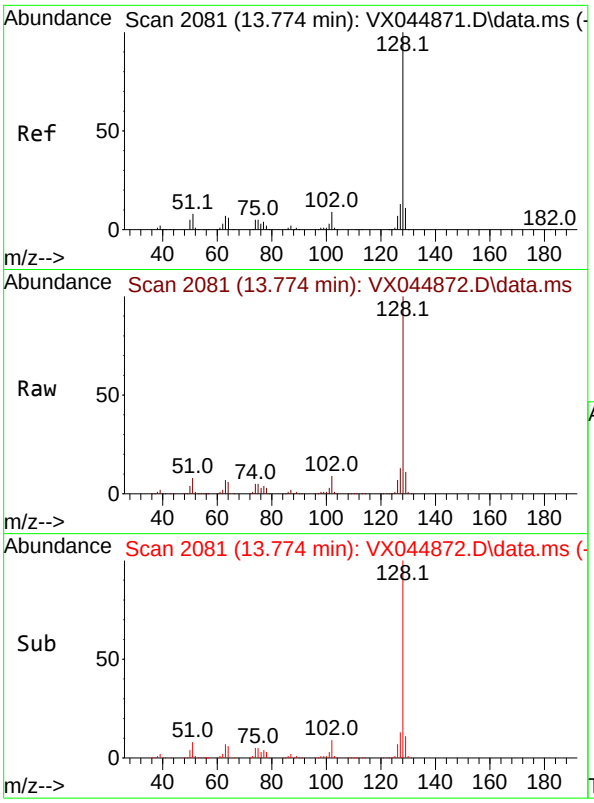


#94
Hexachlorobutadiene
Concen: 103.024 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:225 Resp: 74605

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.2
227	63.5	32.3	96.8



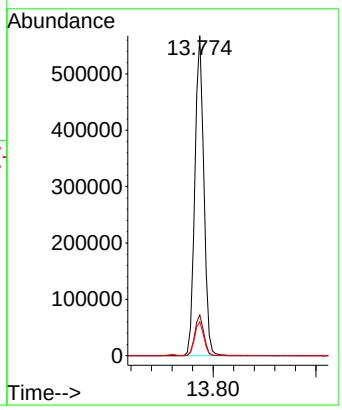


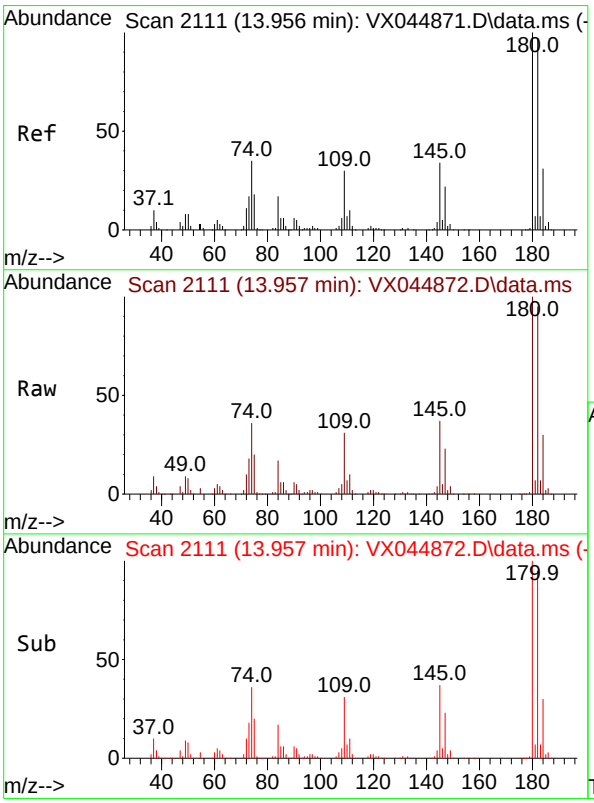
#95
Naphthalene
Concen: 104.505 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 689104

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.7	8.9	13.3

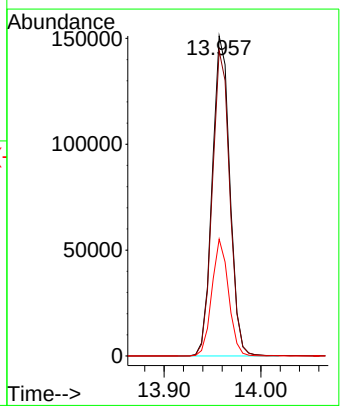




#96
1,2,3-Trichlorobenzene
Concen: 103.659 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:180 Resp: 190534

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.6
145	34.6	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.544	168	125253	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232597	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196663	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84836	50.000 ug/l	# 0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.946	65	280853	153.180 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 306.360%#		
35) Dibromofluoromethane	5.379	113	229218	151.572 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 303.140%#		
50) Toluene-d8	8.647	98	845632	147.877 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.760%#		
62) 4-Bromofluorobenzene	11.079	95	287486	149.124 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 298.240%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	260576	148.330 ug/l	96
3) Chloromethane	1.307	50	297968	139.361 ug/l	100
4) Vinyl Chloride	1.374	62	305986	147.723 ug/l	99
5) Bromomethane	1.593	94	92399	149.071 ug/l	96
6) Chloroethane	1.660	64	67889	130.289 ug/l	97
7) Trichlorofluoromethane	1.867	101	378664	144.558 ug/l	99
8) Diethyl Ether	2.136	74	140428	147.822 ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	239215	151.147 ug/l	100
10) Methyl Iodide	2.441	142	305390	148.887 ug/l	100
11) Tert butyl alcohol	3.020	59	242430	712.734 ug/l	100
12) 1,1-Dichloroethene	2.306	96	246987	152.989 ug/l	99
13) Acrolein	2.239	56	273178	778.418 ug/l	100
14) Allyl chloride	2.654	41	438493	150.289 ug/l	97
15) Acrylonitrile	3.068	53	684234	753.423 ug/l	99
16) Acetone	2.386	43	547939	743.398 ug/l	99
17) Carbon Disulfide	2.502	76	693558	156.665 ug/l	100
18) Methyl Acetate	2.703	43	373877	160.743 ug/l	100
19) Methyl tert-butyl Ether	3.117	73	792810	154.347 ug/l	100
20) Methylene Chloride	2.782	84	270575	149.871 ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	242082	152.356 ug/l	93
22) Diisopropyl ether	3.757	45	839126	152.020 ug/l	98
23) Vinyl Acetate	3.721	43	3555031	789.993 ug/l	100
24) 1,1-Dichloroethane	3.605	63	472424	152.959 ug/l	99
25) 2-Butanone	4.556	43	914741	764.276 ug/l	98
26) 2,2-Dichloropropane	4.471	77	382167	156.029 ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	292864	153.446 ug/l	99
28) Bromochloromethane	4.891	49	217387	146.458 ug/l	98
29) Tetrahydrofuran	5.001	42	596045	749.977 ug/l	99
30) Chloroform	5.086	83	453809	151.509 ug/l	99
31) Cyclohexane	5.458	56	423464	148.722 ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	386162	151.996 ug/l	99
36) 1,1-Dichloropropene	5.684	75	324182	148.585 ug/l	100
37) Ethyl Acetate	4.715	43	368763	151.956 ug/l	99
38) Carbon Tetrachloride	5.672	117	320536	149.921 ug/l	98
39) Methylcyclohexane	7.373	83	443218	157.130 ug/l	99
40) Benzene	6.031	78	1014129	148.856 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	206155	158.707 ug/l	100
42) 1,2-Dichloroethane	6.080	62	336520	154.984 ug/l	99
43) Isopropyl Acetate	6.336	43	617516	157.575 ug/l	99
44) Trichloroethene	7.117	130	239030	153.496 ug/l	99
45) 1,2-Dichloropropane	7.427	63	259454	153.076 ug/l	100
46) Dibromomethane	7.574	93	179689	152.870 ug/l	99
47) Bromodichloromethane	7.818	83	357623	157.128 ug/l	98
48) Methyl methacrylate	7.690	41	297931	161.236 ug/l	99
49) 1,4-Dioxane	7.665	88	106175	2678.192 ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1736538	728.887 ug/l	100
52) Toluene	8.714	92	603113	148.645 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	378639	164.398 ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	417724	162.667 ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	229548	147.172 ug/l	98
56) Ethyl methacrylate	9.116	69	398535	158.205 ug/l	99
57) 1,3-Dichloropropane	9.305	76	403665	147.915 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	982120	794.010 ug/l	100
59) 2-Hexanone	9.433	43	1264470	736.622 ug/l	99
60) Dibromochloromethane	9.519	129	258320	154.862 ug/l	99
61) 1,2-Dibromoethane	9.604	107	240539	152.157 ug/l	99
64) Tetrachloroethene	9.269	164	184990	149.155 ug/l	96
65) Chlorobenzene	10.073	112	634550	150.224 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	212441	156.255 ug/l	99
67) Ethyl Benzene	10.189	91	1137842	152.647 ug/l	100
68) m/p-Xylenes	10.299	106	818971	297.841 ug/l	98
69) o-Xylene	10.640	106	401928	145.674 ug/l	99
70) Styrene	10.653	104	671843	151.140 ug/l	98
71) Bromoform	10.799	173	169481	167.033 ug/l #	98
73) Isopropylbenzene	10.957	105	1037402	151.869 ug/l	99
74) N-amyl acetate	10.841	43	521962	168.861 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	346013	147.409 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	392008	208.411 ug/l	82
77) Bromobenzene	11.195	156	234957	151.715 ug/l	99
78) n-propylbenzene	11.305	91	1231079	156.140 ug/l	99
79) 2-Chlorotoluene	11.360	91	717766	148.123 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	822707	148.415 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	126660	173.221 ug/l	98
82) 4-Chlorotoluene	11.451	91	818099	152.602 ug/l	99
83) tert-Butylbenzene	11.713	119	838979	149.610 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	838584	153.274 ug/l	99
85) sec-Butylbenzene	11.890	105	1061101	152.806 ug/l	100
86) p-Isopropyltoluene	12.006	119	865491	154.987 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	433384	152.175 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	432987	150.362 ug/l	100
89) n-Butylbenzene	12.329	91	827359	167.469 ug/l	100
90) Hexachloroethane	12.536	117	175414	167.760 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	417167	149.042 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	73593	171.783 ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	283004	167.095 ug/l	98
94) Hexachlorobutadiene	13.725	225	104674	155.682 ug/l	97
95) Naphthalene	13.774	128	1015801	165.916 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	282289	165.408 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

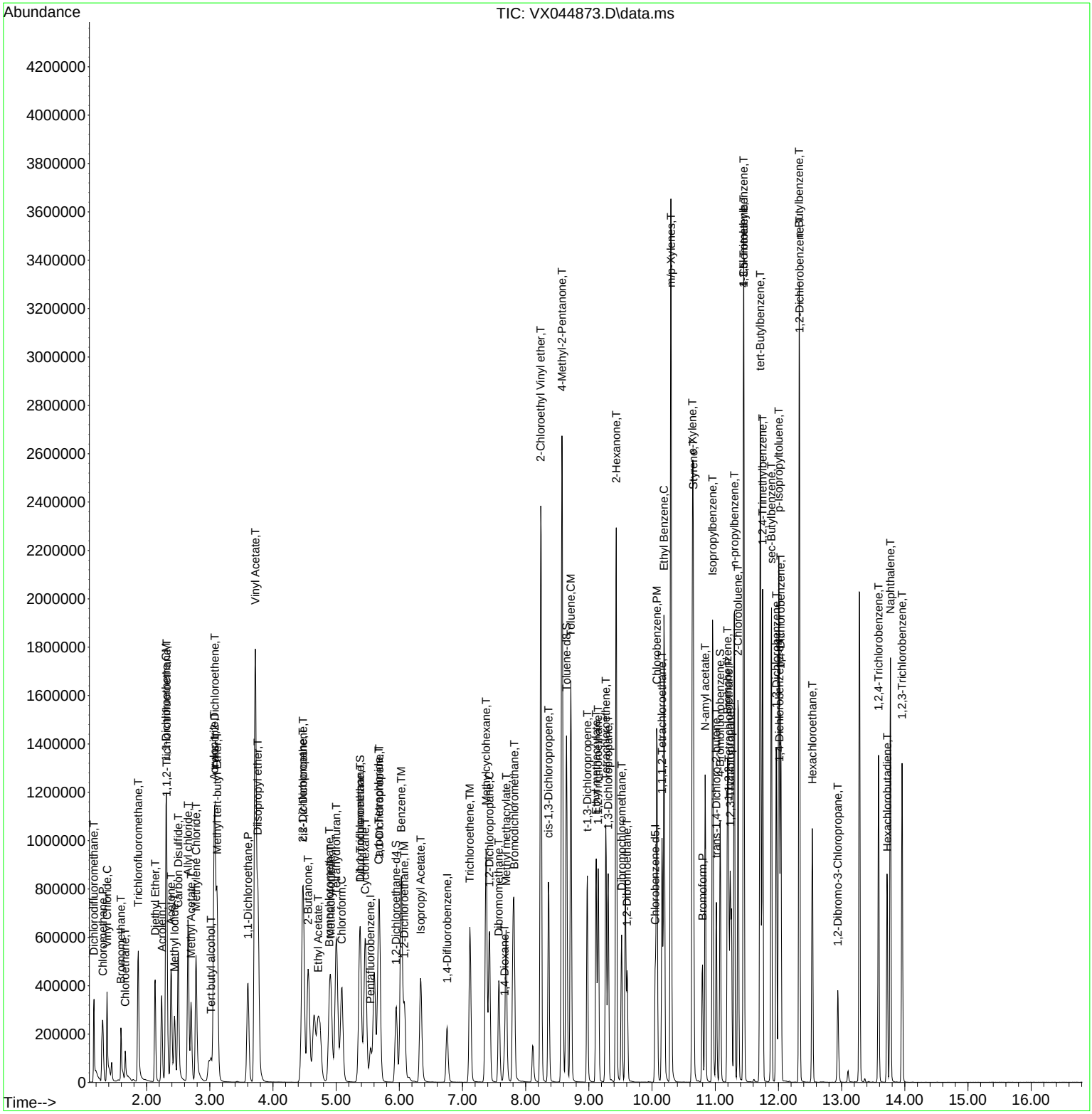
(#) = qualifier out of range (m) = manual integration (+) = signals summed

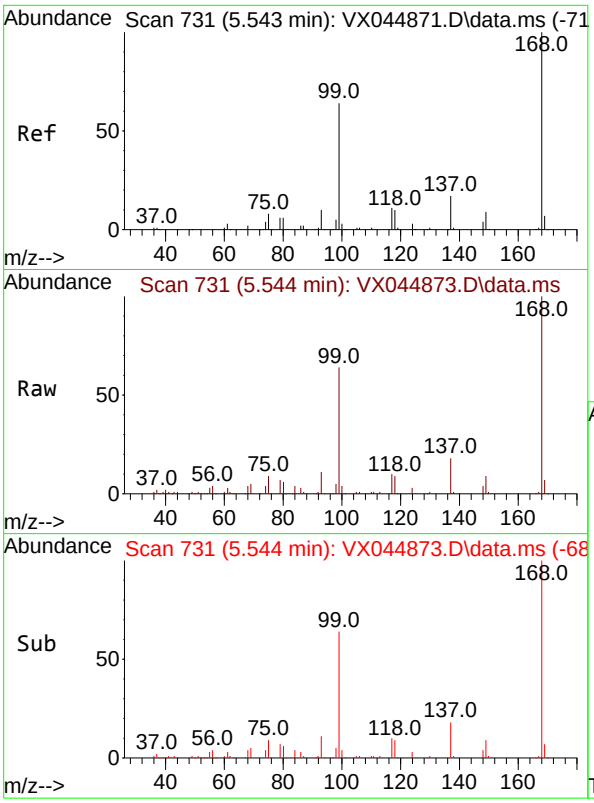
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration



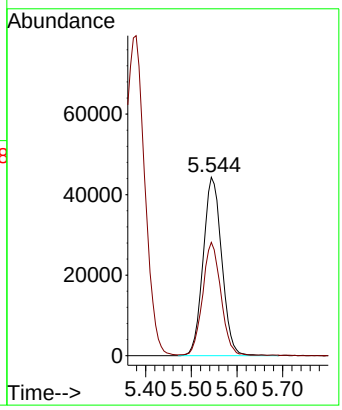


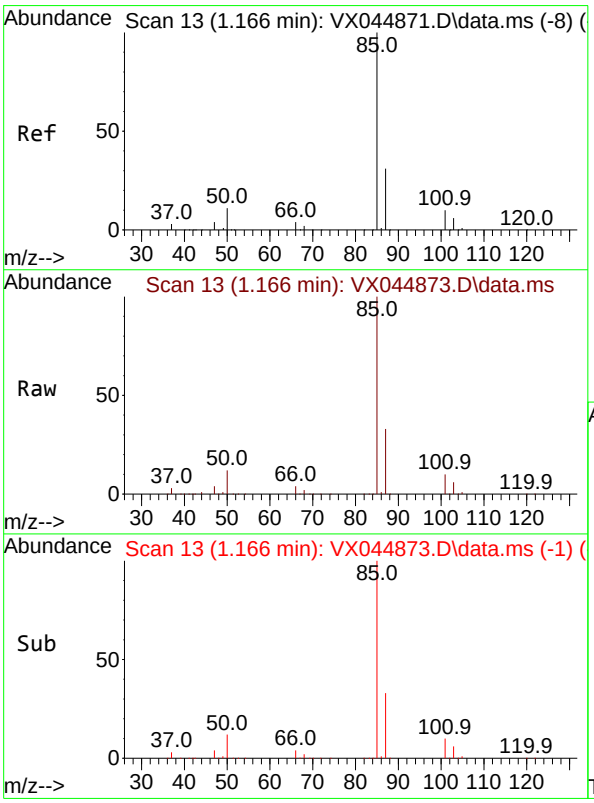
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 125253

Ion	Ratio	Lower	Upper
168	100		
99	63.2	51.2	76.8

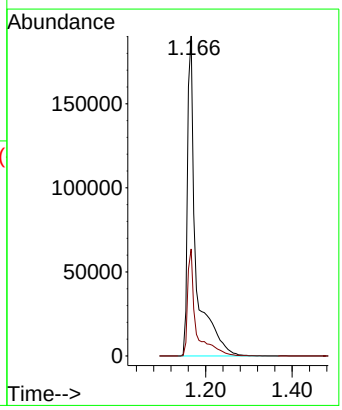


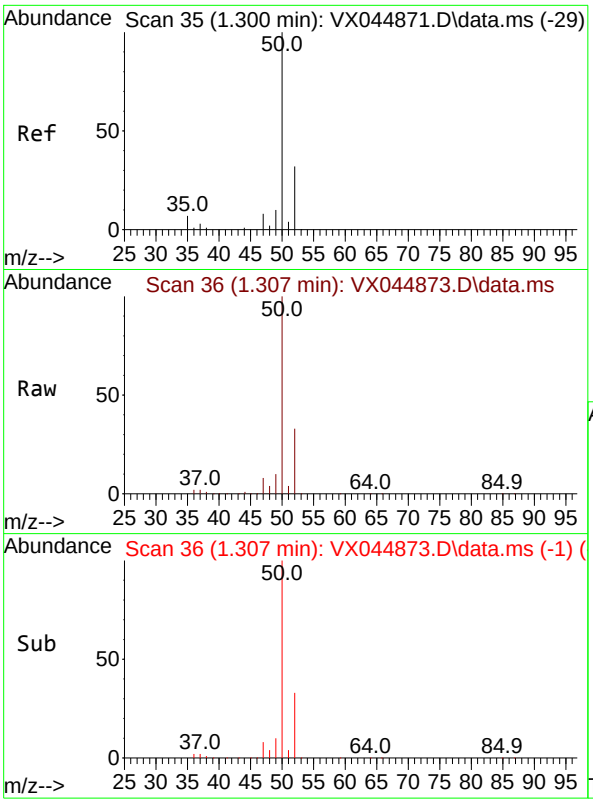


#2
Dichlorodifluoromethane
Concen: 148.330 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 85 Resp: 260576

Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.8	47.3



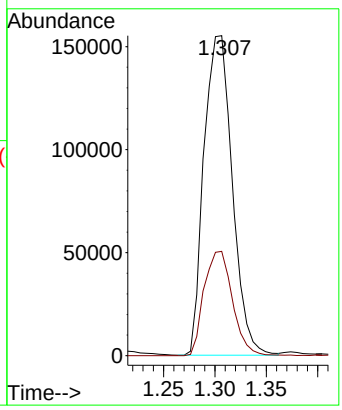


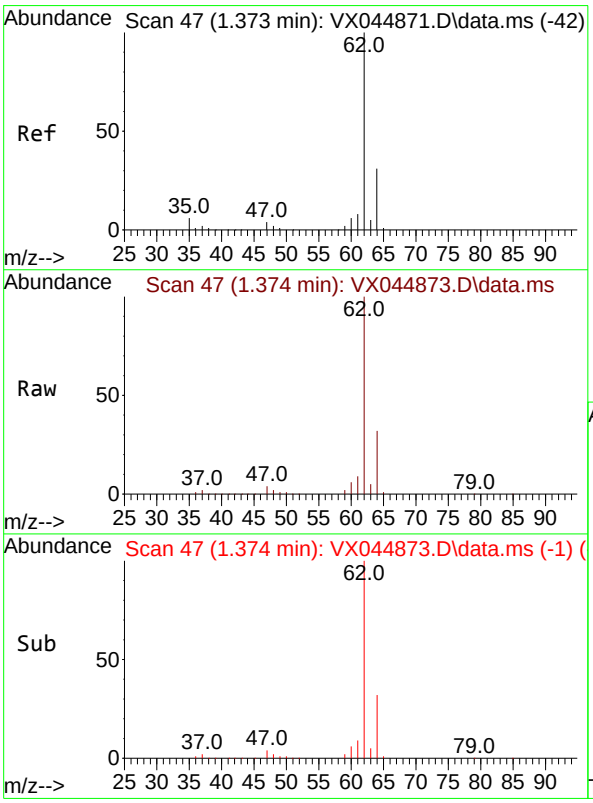
#3
Chloromethane
Concen: 139.361 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 297968

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.9	38.9

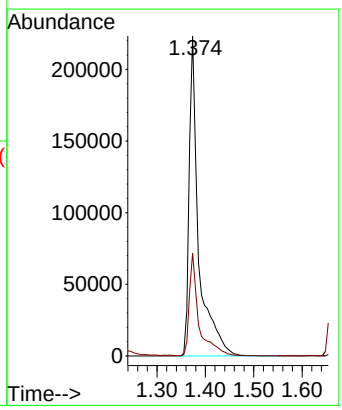


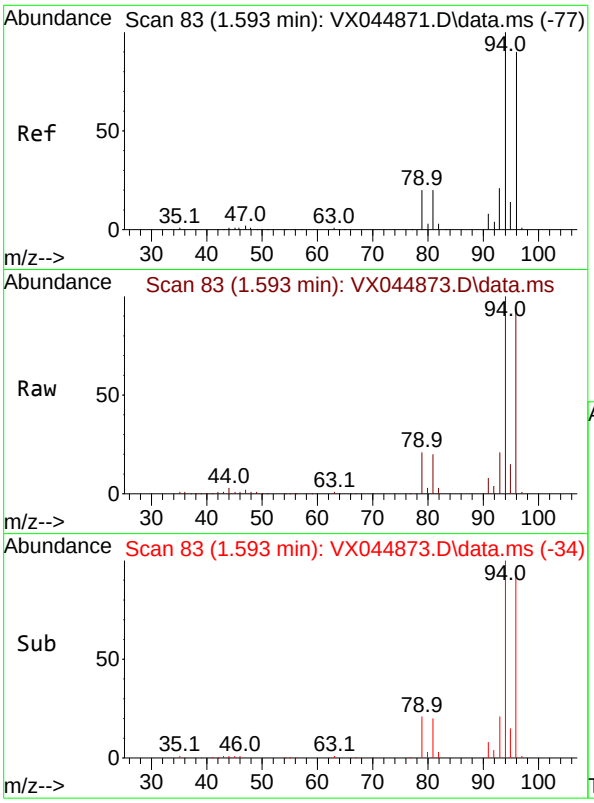


#4
Vinyl Chloride
Concen: 147.723 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 305986

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.4	38.0



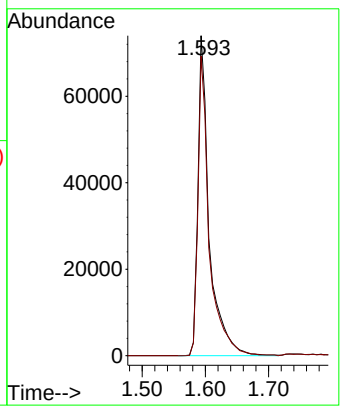


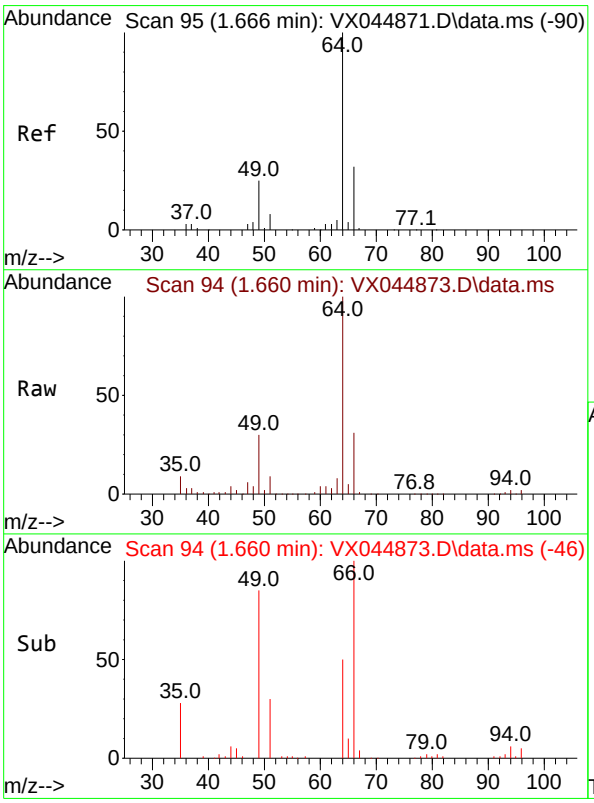
#5
Bromomethane
Concen: 149.071 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 92399

Ion	Ratio	Lower	Upper
94	100		
96	93.6	71.6	107.4

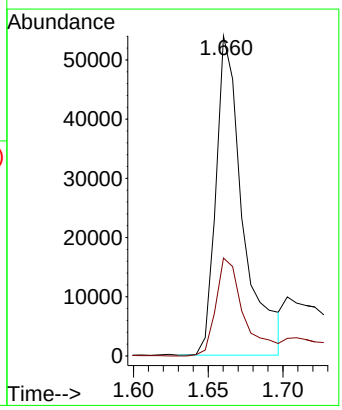


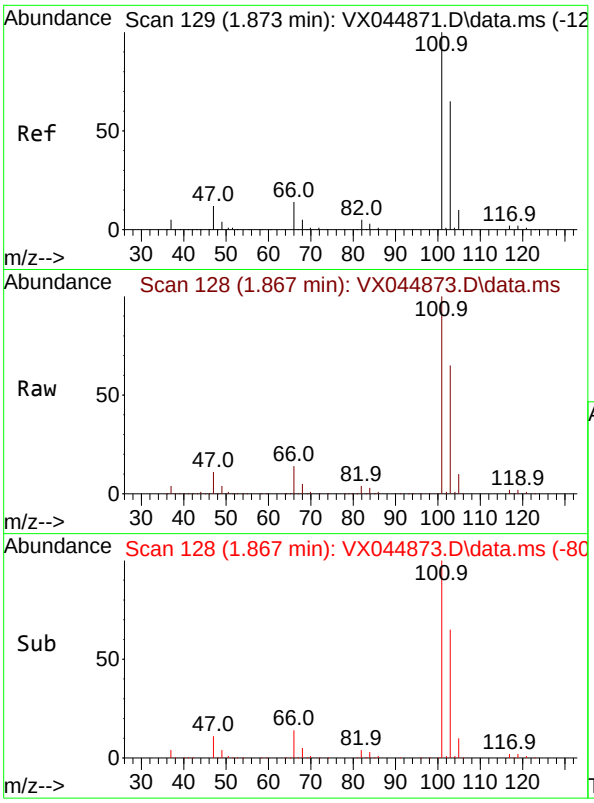


#6
Chloroethane
Concen: 130.289 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 64 Resp: 67889

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.9	38.9



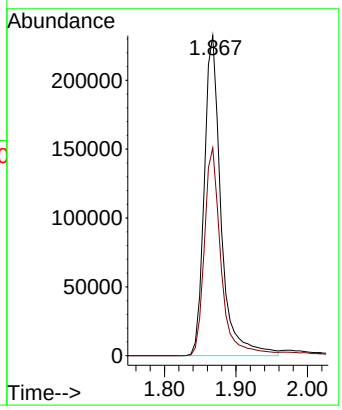


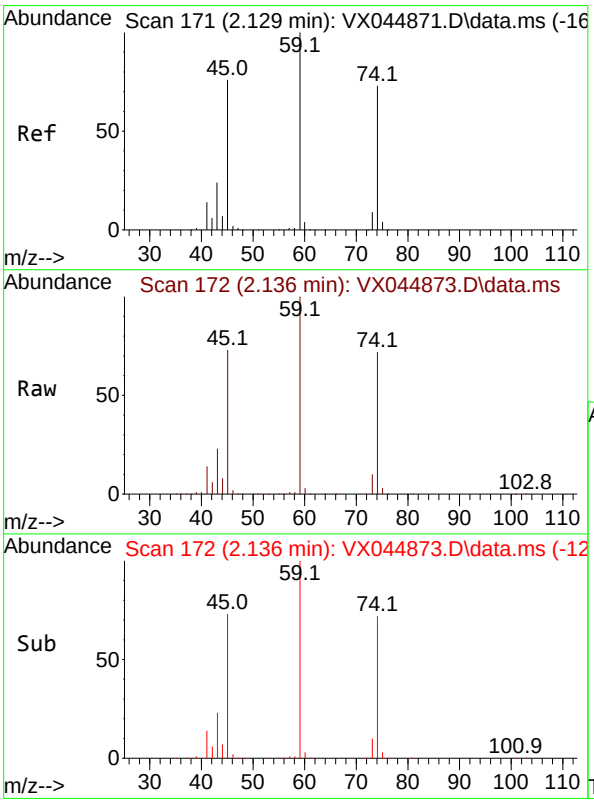
#7
Trichlorofluoromethane
Concen: 144.558 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 378664

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.4	78.6

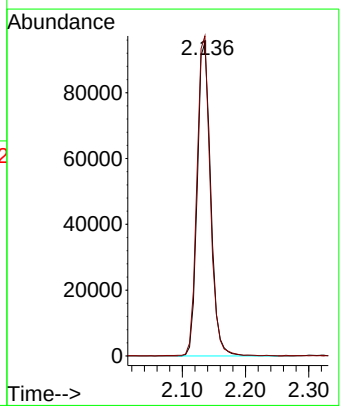


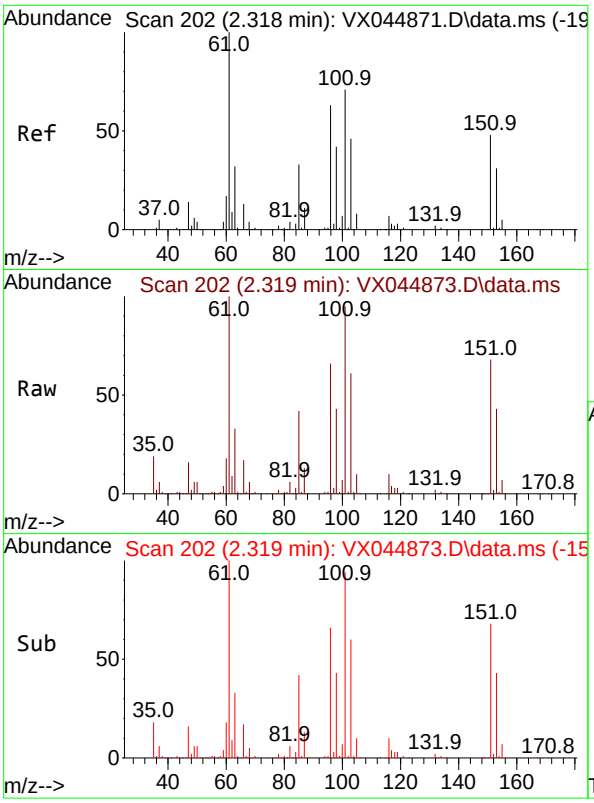


#8
Diethyl Ether
Concen: 147.822 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 74 Resp: 140428

Ion	Ratio	Lower	Upper
74	100		
45	102.1	51.1	153.4



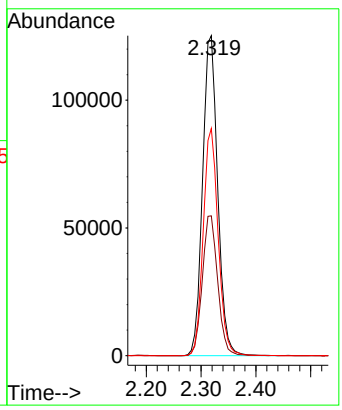


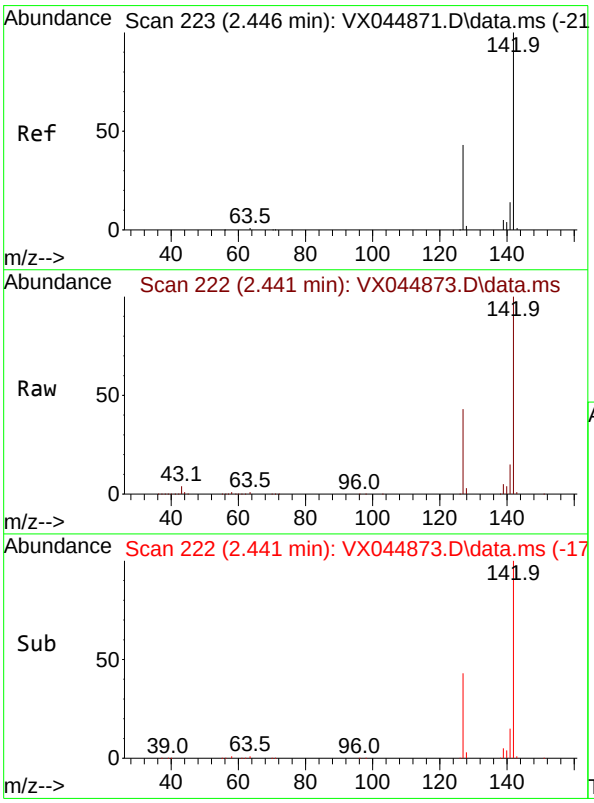
#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.147 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 239215

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.7	53.5
151	70.2	56.0	84.0

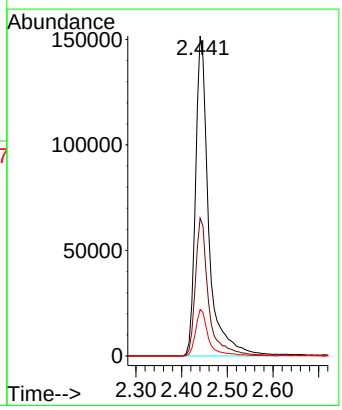


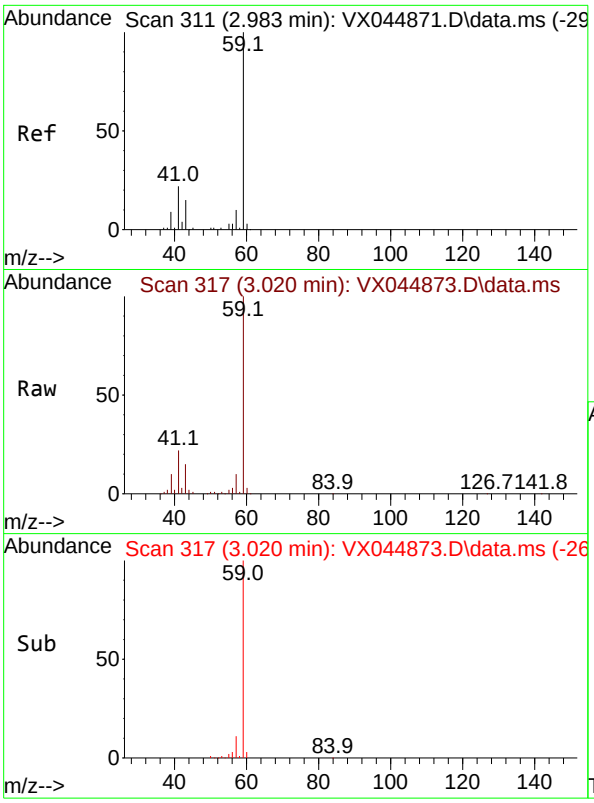


#10
Methyl Iodide
Concen: 148.887 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:142 Resp: 305390

Ion	Ratio	Lower	Upper
142	100		
127	43.1	34.3	51.5
141	14.4	11.4	17.2



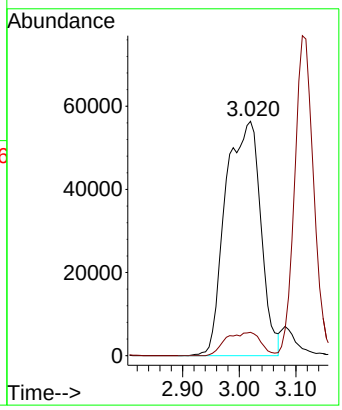


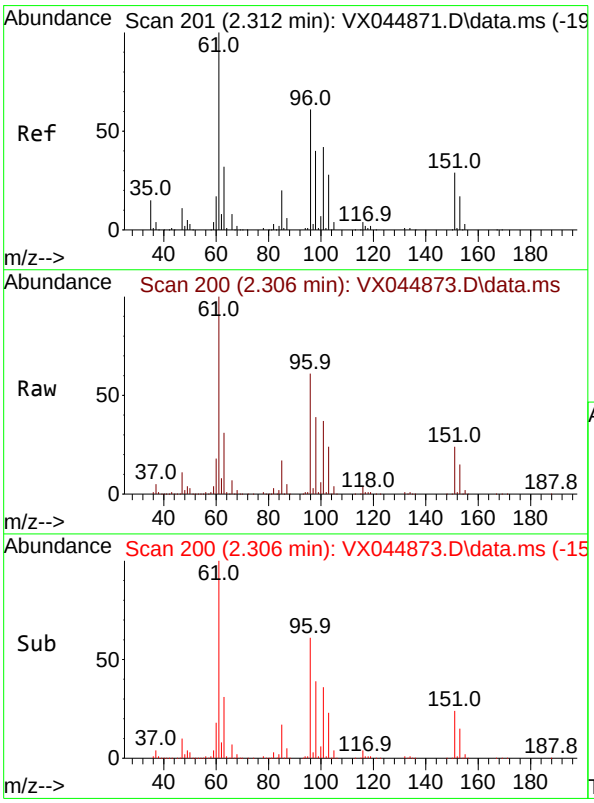
#11
Tert butyl alcohol
Concen: 712.734 ug/l
RT: 3.020 min Scan# 3
Delta R.T. 0.037 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 242430

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

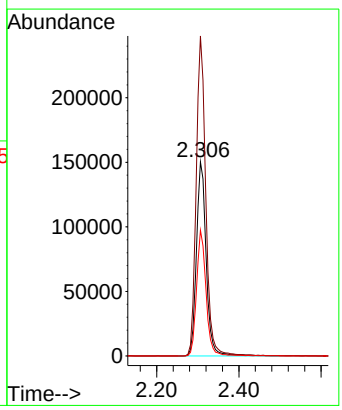


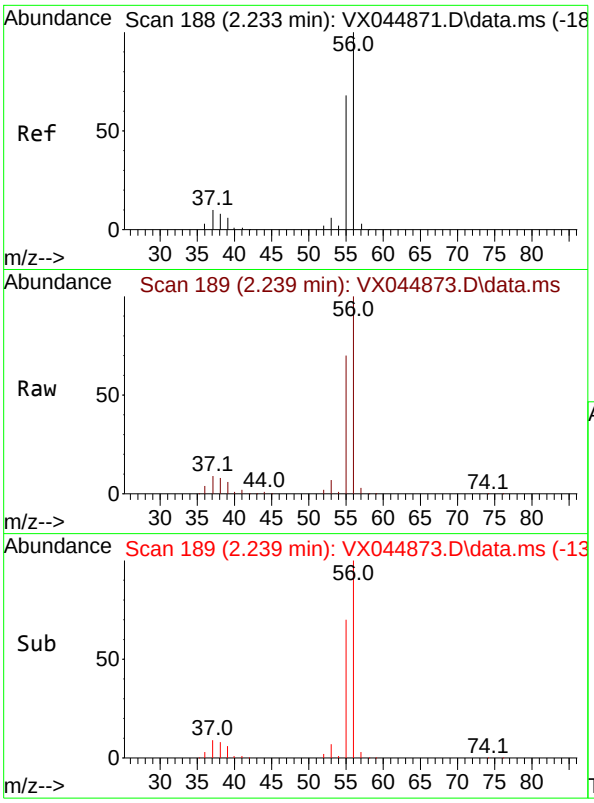


#12
1,1-Dichloroethene
Concen: 152.989 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 96 Resp: 246987

Ion	Ratio	Lower	Upper
96	100		
61	164.9	130.2	195.4
98	64.8	52.2	78.4



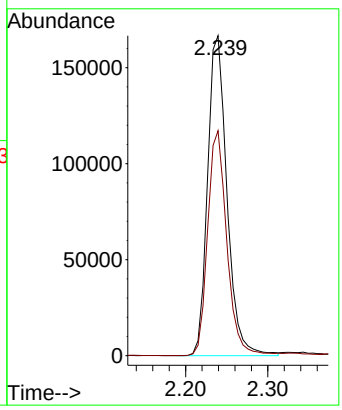


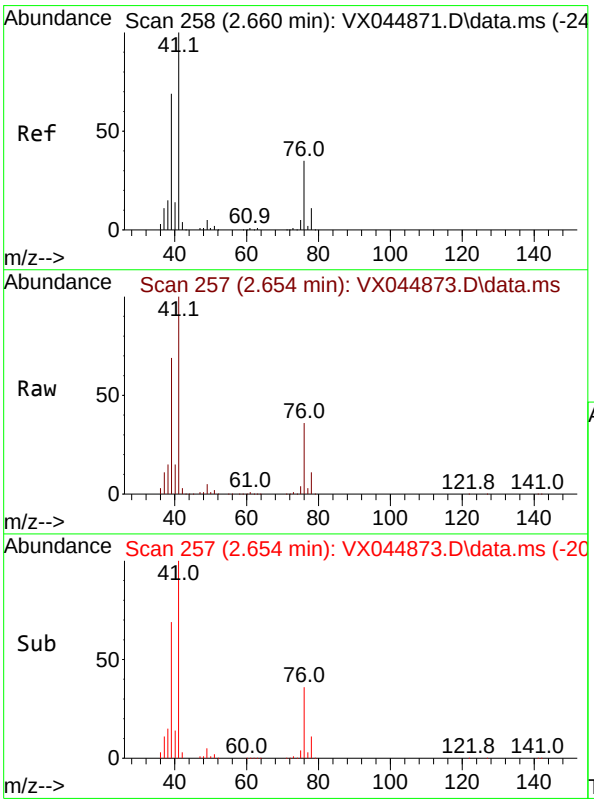
#13
Acrolein
Concen: 778.418 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 273178

Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.7	83.5

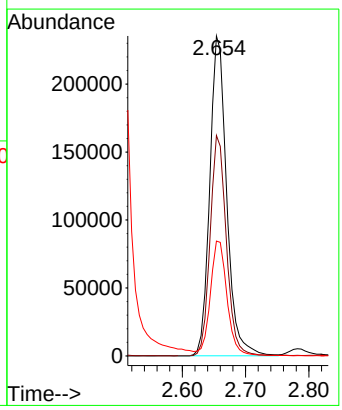


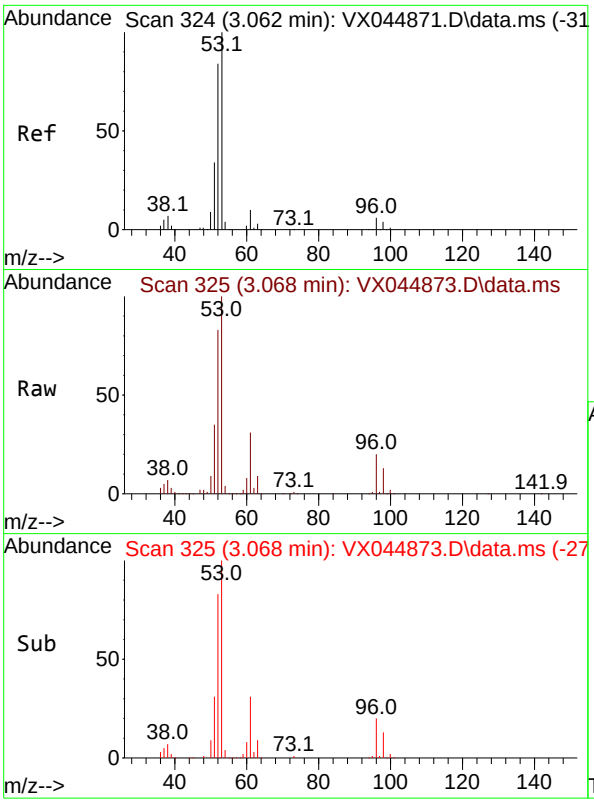


#14
Allyl chloride
Concen: 150.289 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 438493

Ion	Ratio	Lower	Upper
41	100		
39	66.1	51.4	77.2
76	35.7	27.0	40.4



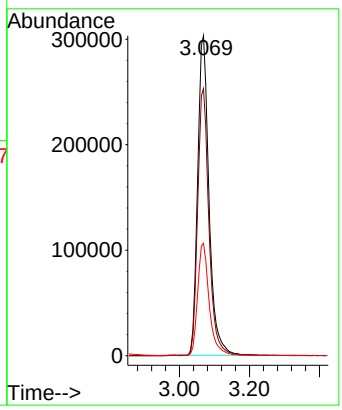


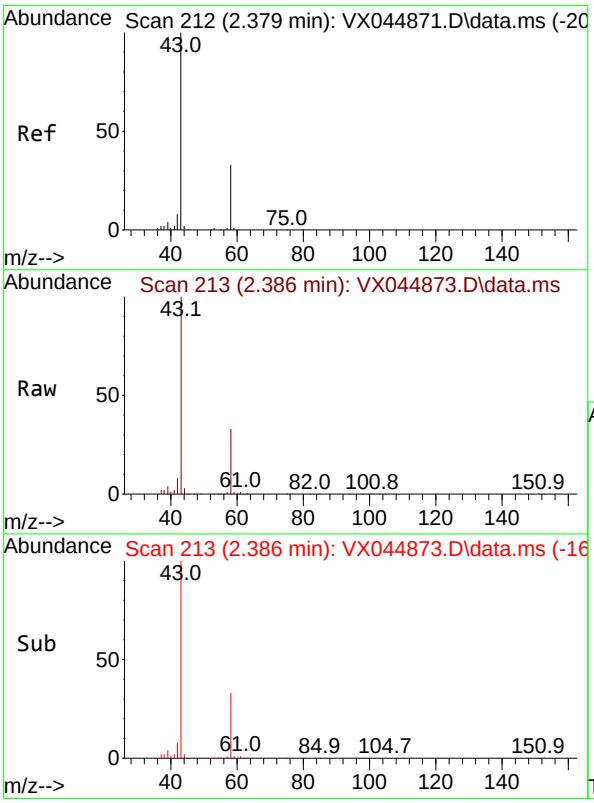
#15
Acrylonitrile
Concen: 753.423 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 684234

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.0	97.6
51	35.2	28.0	42.0

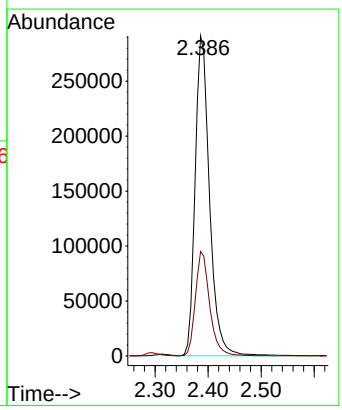


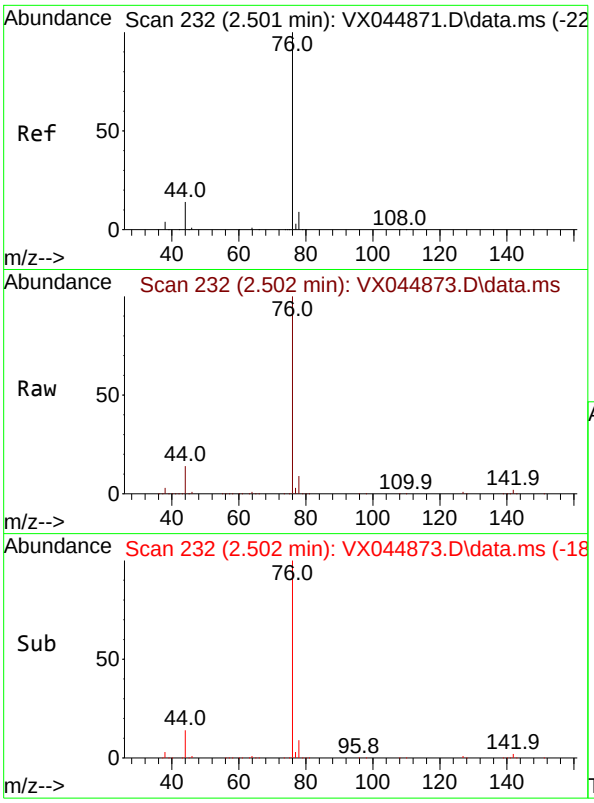


#16
Acetone
Concen: 743.398 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 547939

Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7



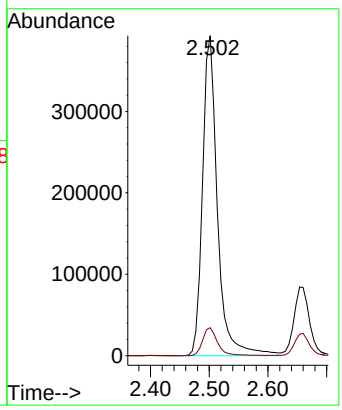


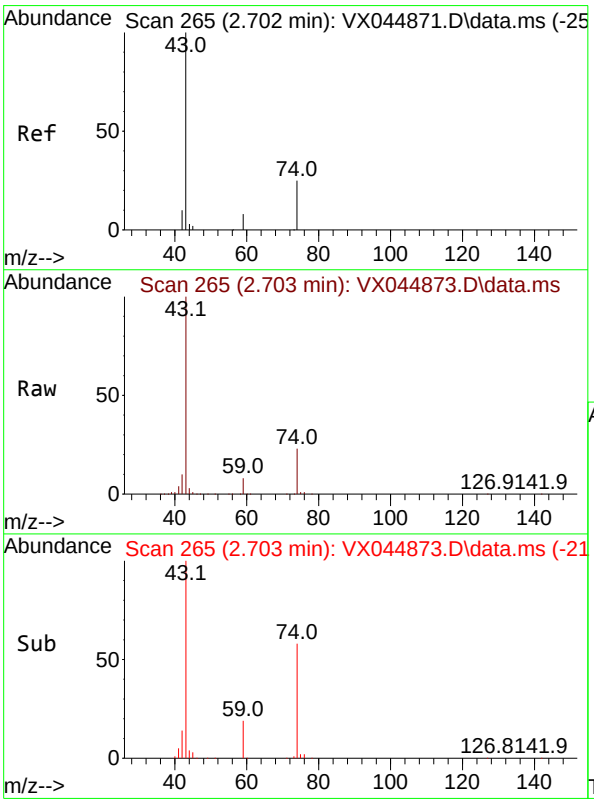
#17
Carbon Disulfide
Concen: 156.665 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 693558

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

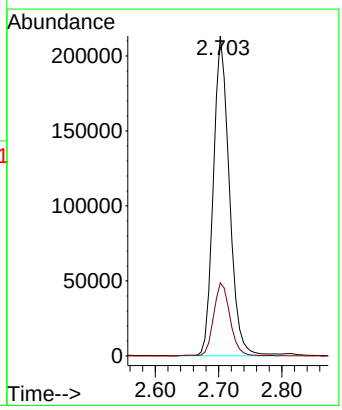


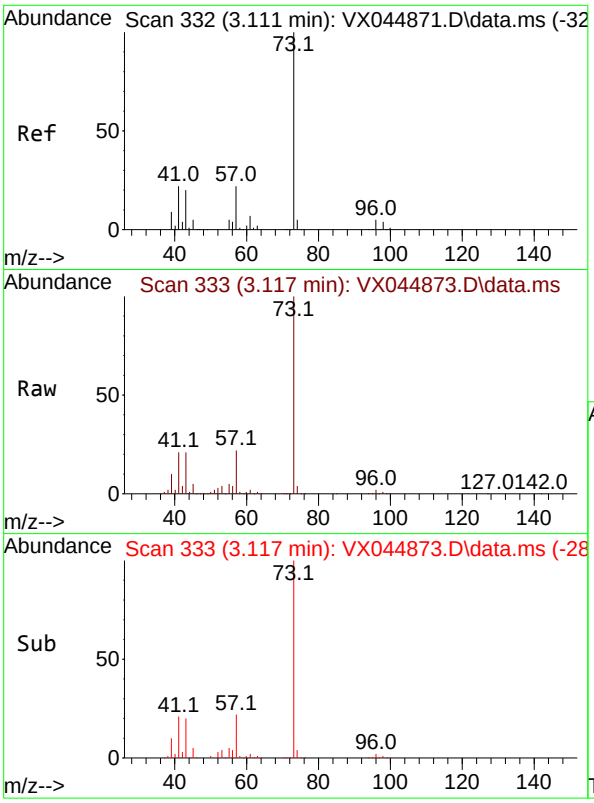


#18
Methyl Acetate
Concen: 160.743 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 373877

Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3



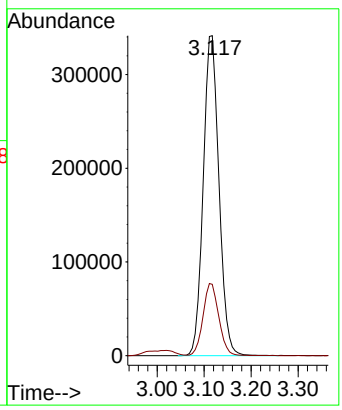


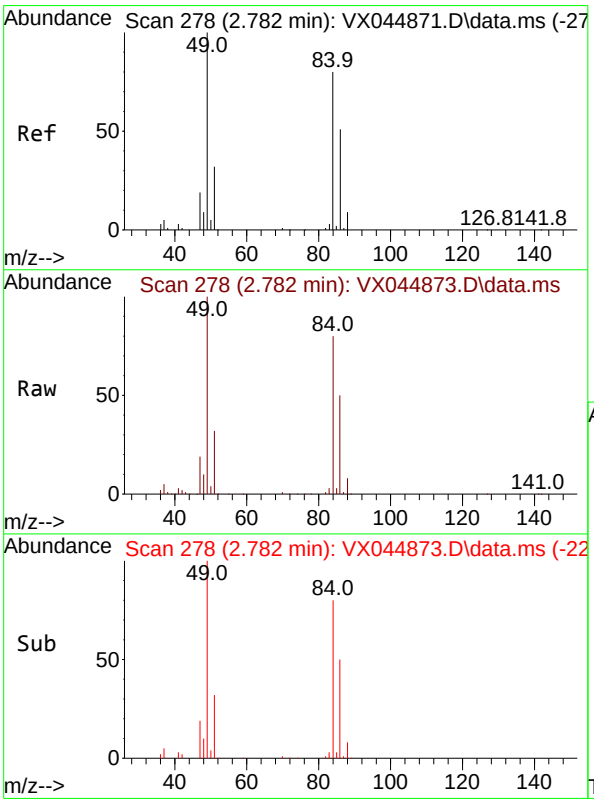
#19
Methyl tert-butyl Ether
Concen: 154.347 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 792810

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9

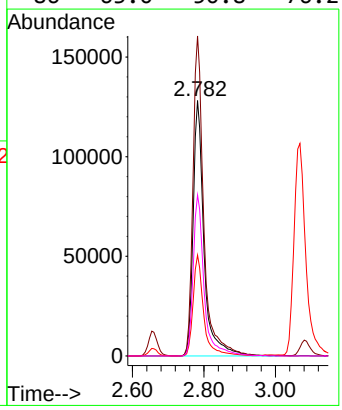


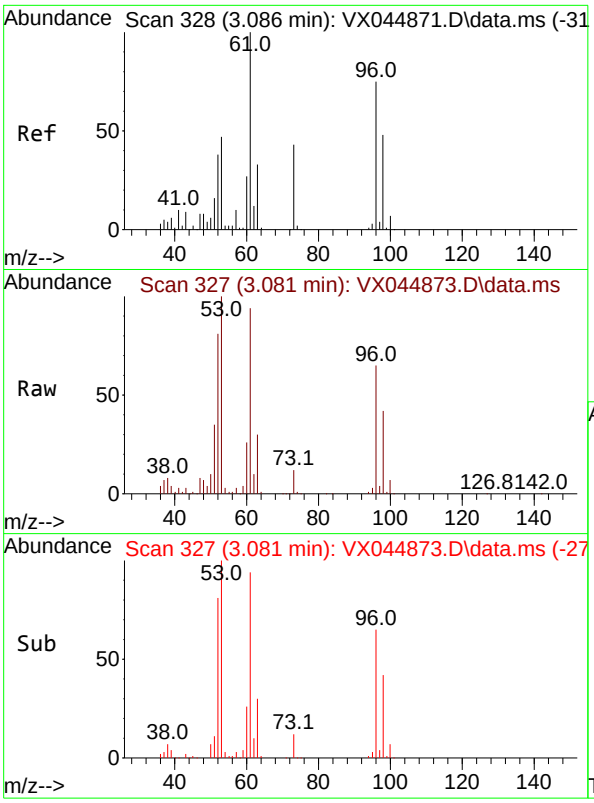


#20
Methylene Chloride
Concen: 149.871 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 84 Resp: 270575

Ion	Ratio	Lower	Upper
84	100		
49	125.2	100.1	150.1
51	39.5	31.7	47.5
86	63.0	50.8	76.2



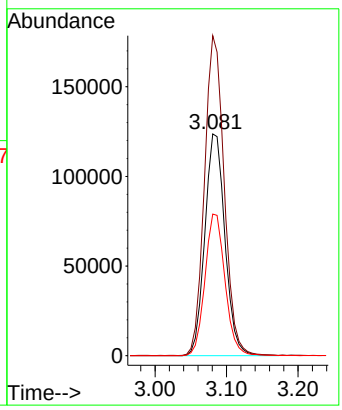


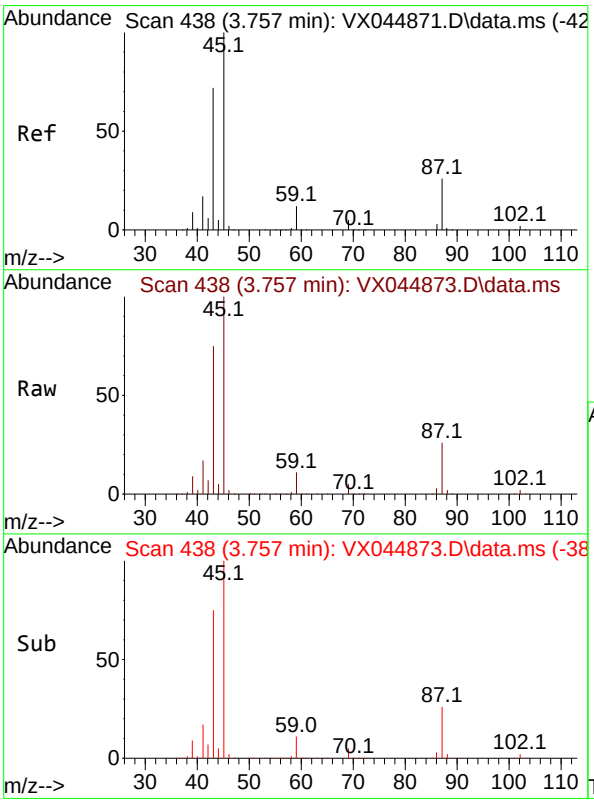
#21
trans-1,2-Dichloroethene
Concen: 152.356 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 242082

Ion	Ratio	Lower	Upper
96	100		
61	144.2	106.0	159.0
98	63.9	50.6	76.0

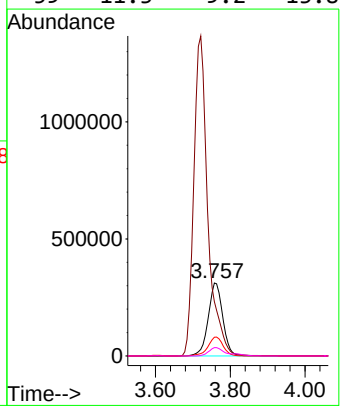


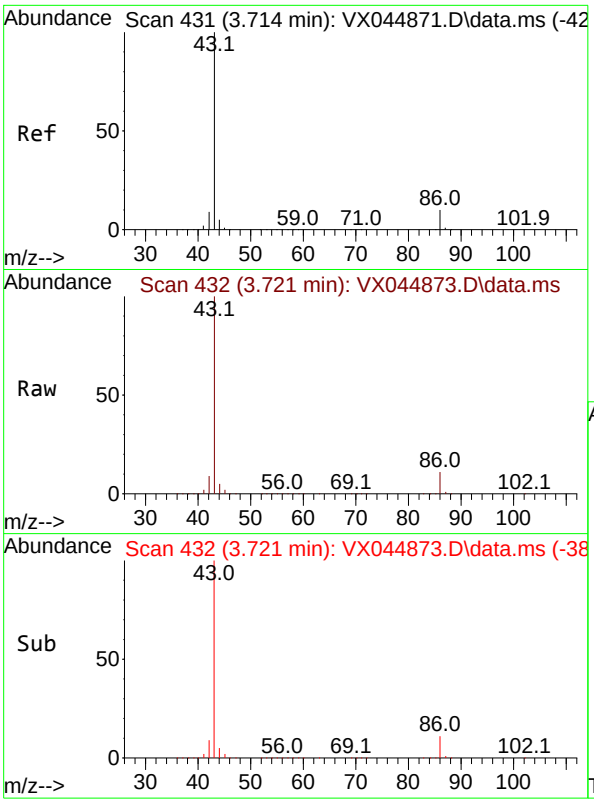


#22
Diisopropyl ether
Concen: 152.020 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 45 Resp: 839126

Ion	Ratio	Lower	Upper
45	100		
43	74.6	58.0	87.0
87	25.8	20.7	31.1
59	11.3	9.2	13.8



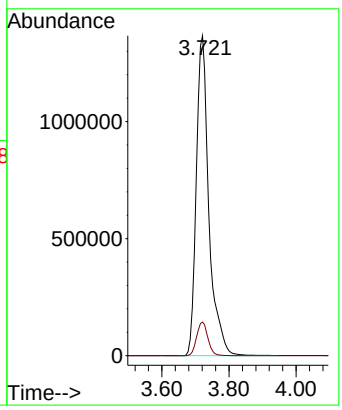


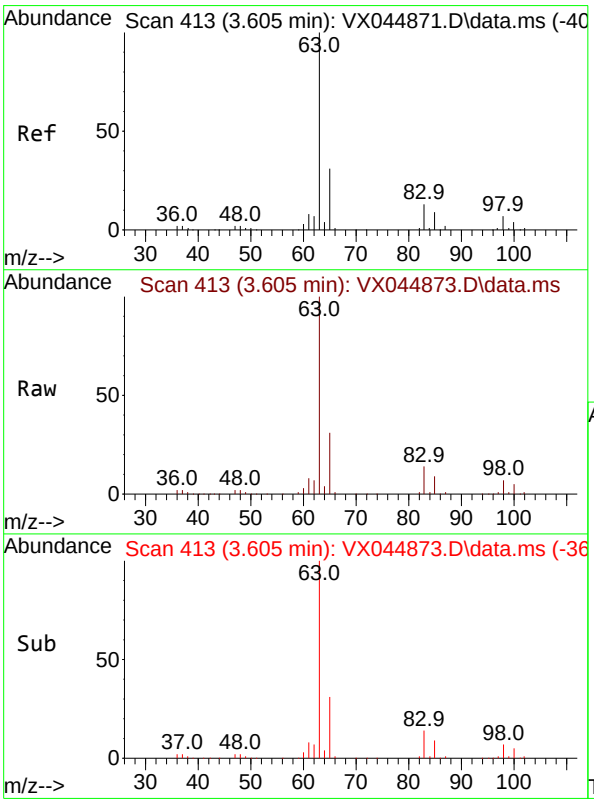
#23
Vinyl Acetate
Concen: 789.993 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3555031

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.3	12.5

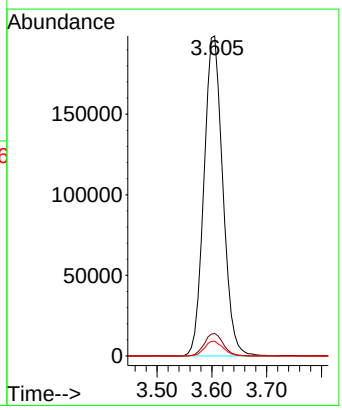


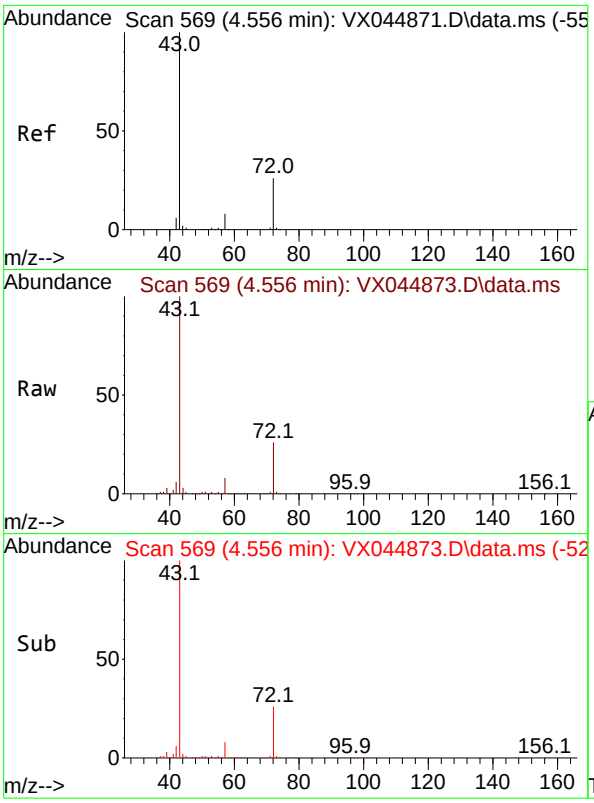


#24
1,1-Dichloroethane
Concen: 152.959 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 472424

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.9
100	4.6	2.1	6.5



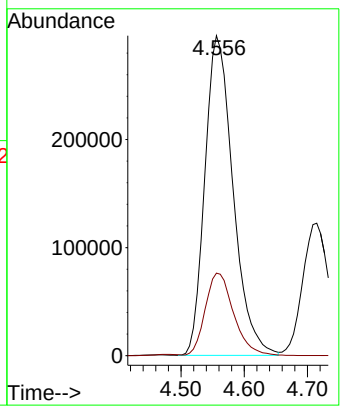


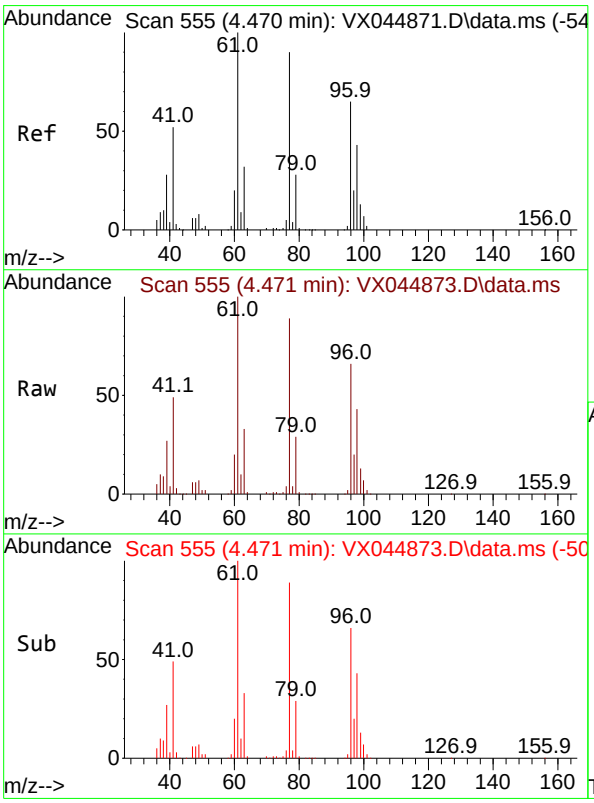
#25
2-Butanone
Concen: 764.276 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 914741

Ion	Ratio	Lower	Upper
43	100		
72	25.6	21.2	31.8

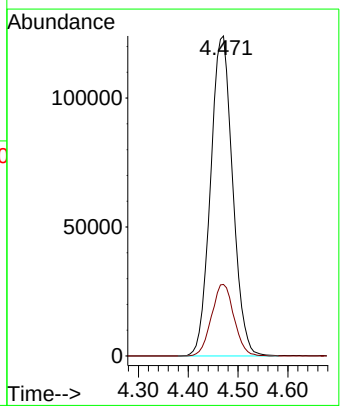


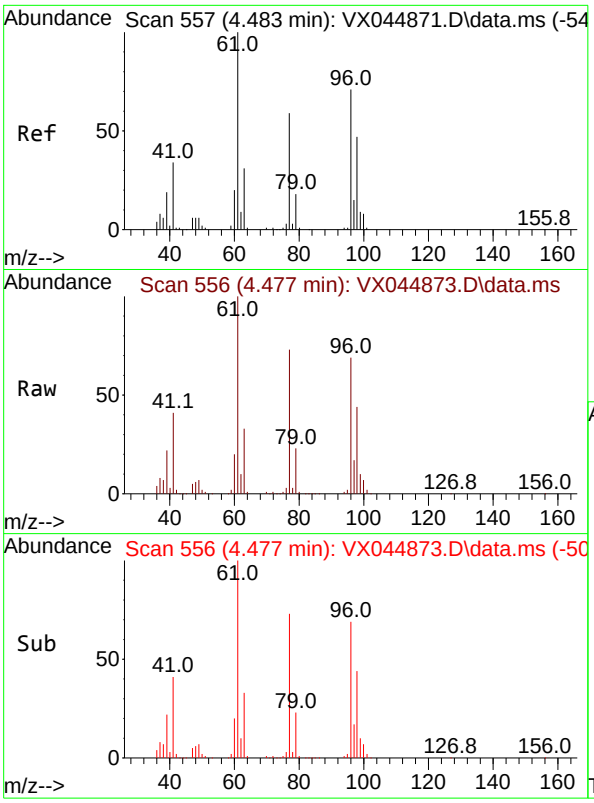


#26
2,2-Dichloropropane
Concen: 156.029 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 77 Resp: 382167

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.8	35.3



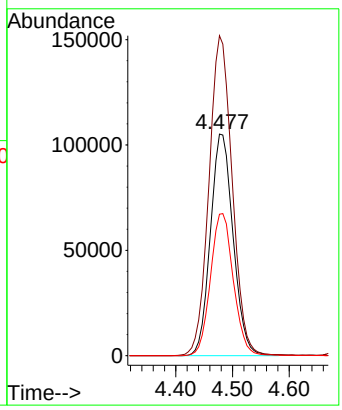


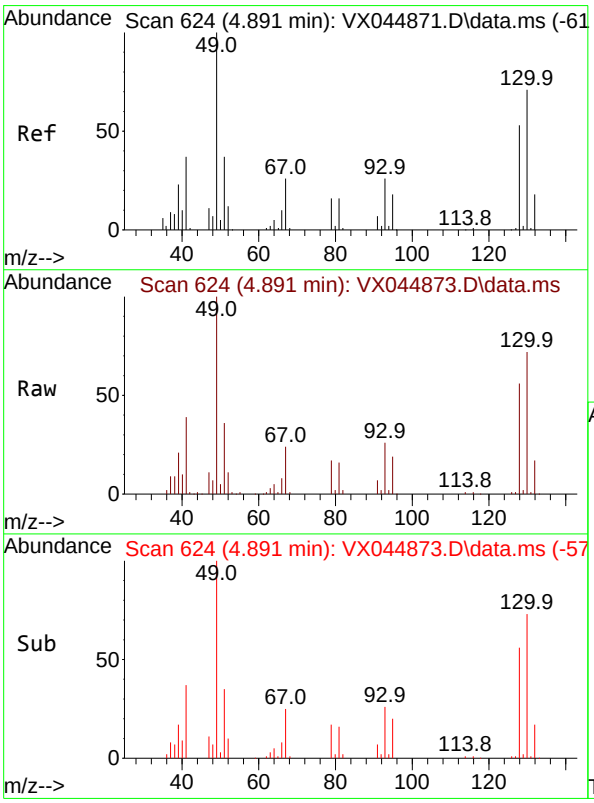
#27
cis-1,2-Dichloroethene
Concen: 153.446 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 292864

Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	294.0
98	64.6	0.0	131.2

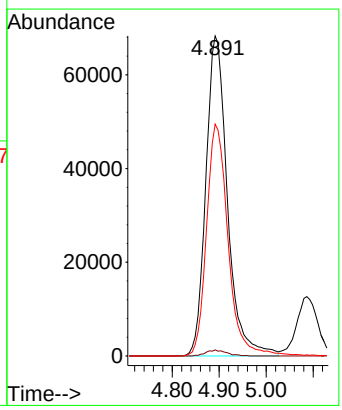


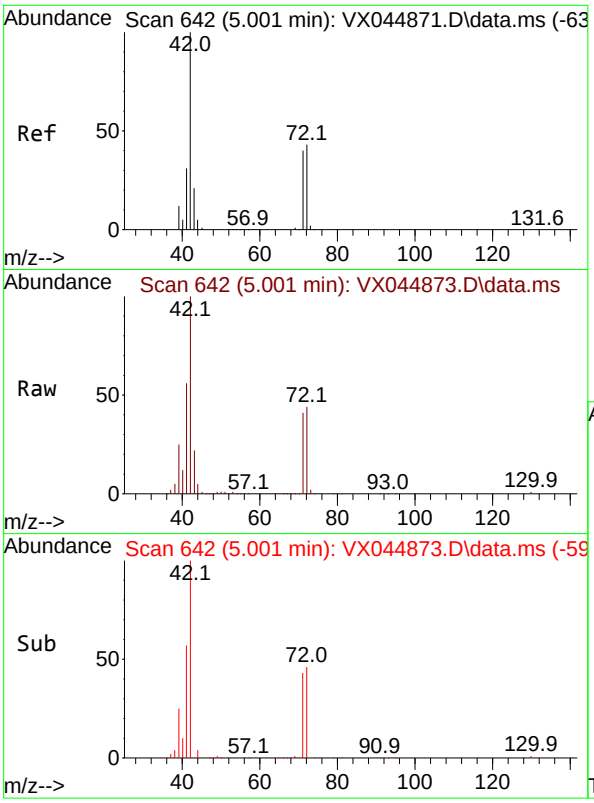


#28
Bromochloromethane
Concen: 146.458 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 49 Resp: 217387

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	72.6	56.7	85.1



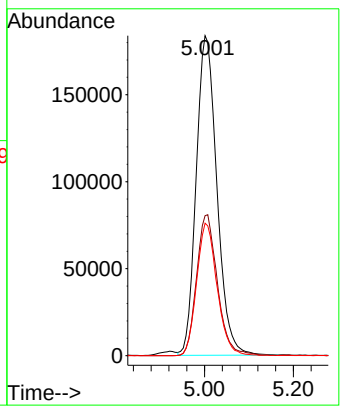


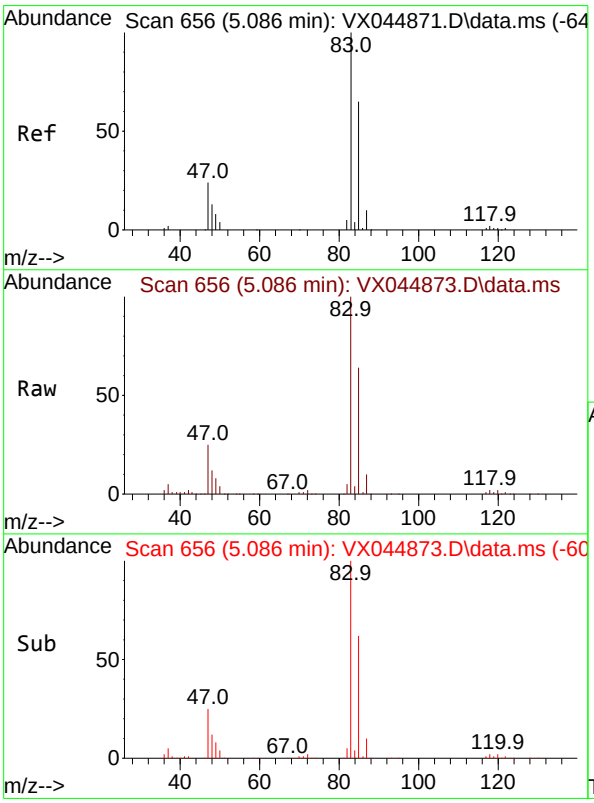
#29
Tetrahydrofuran
Concen: 749.977 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 596045

Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.0	52.4
71	41.0	32.6	48.8

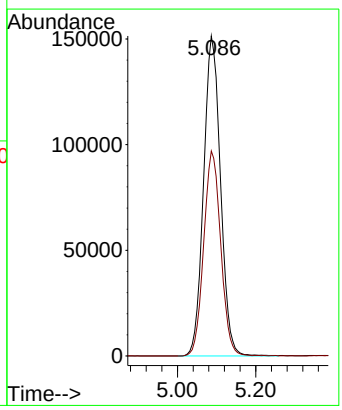


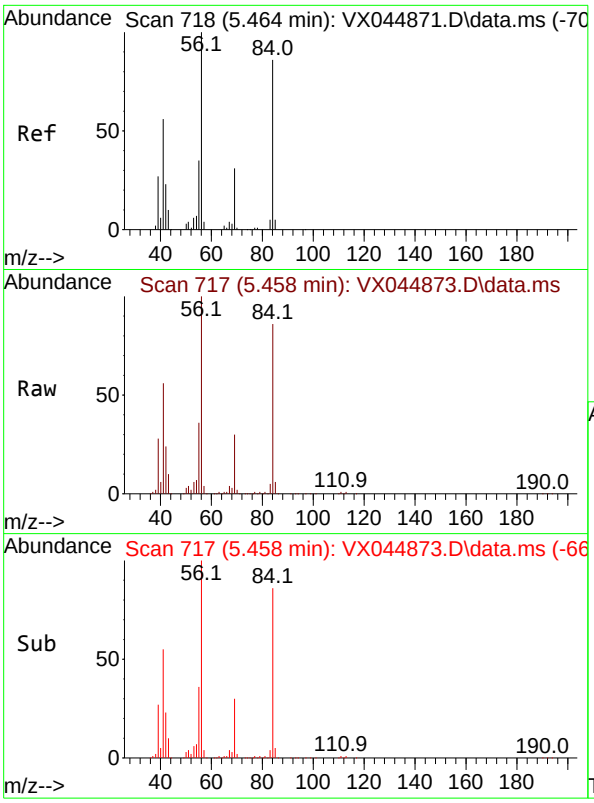


#30
Chloroform
Concen: 151.509 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 83 Resp: 453809

Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.1	78.1



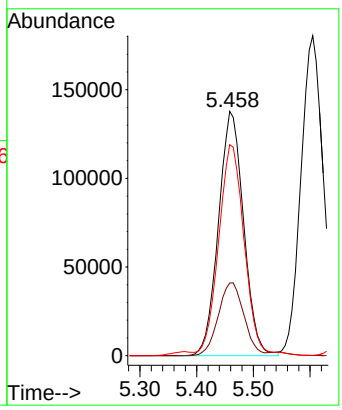


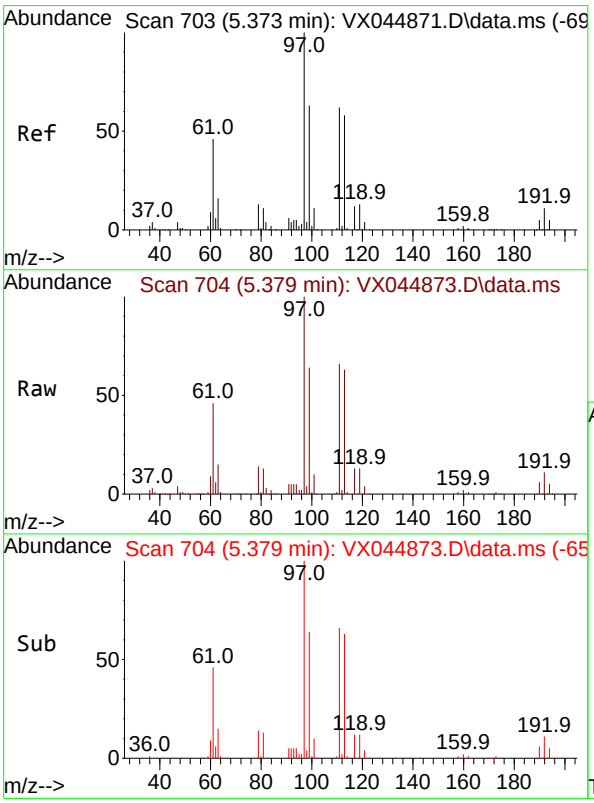
#31
Cyclohexane
Concen: 148.722 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 423464

Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.4	36.6
84	85.0	69.0	103.6

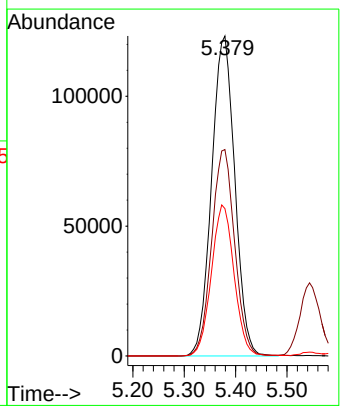


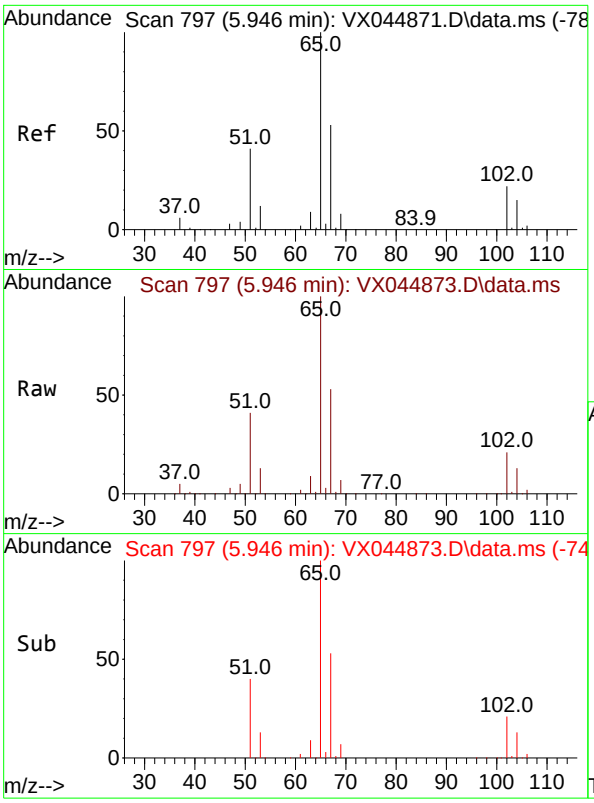


#32
1,1,1-Trichloroethane
Concen: 151.996 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 97 Resp: 386162

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	46.4	36.6	55.0



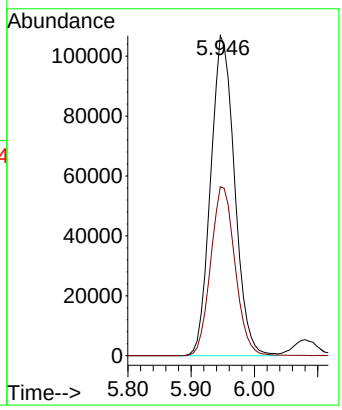


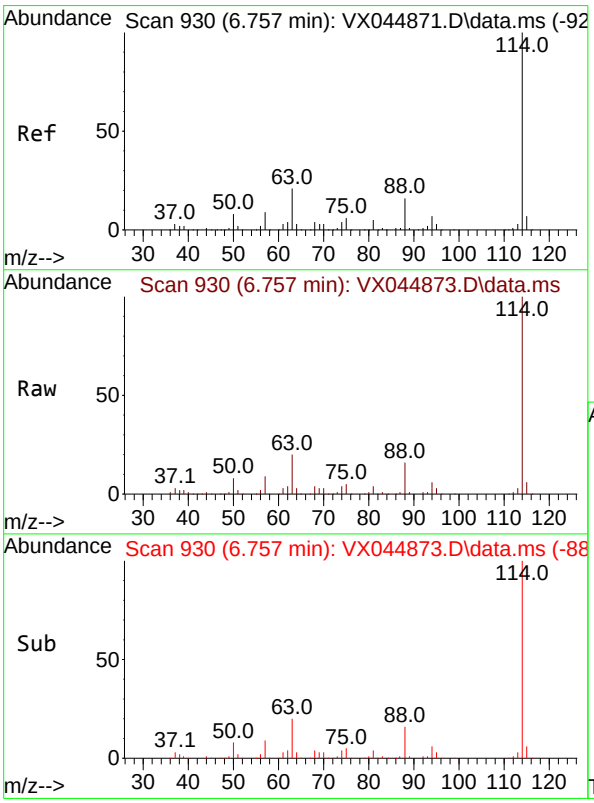
#33
1,2-Dichloroethane-d4
Concen: 153.180 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 280853

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.2

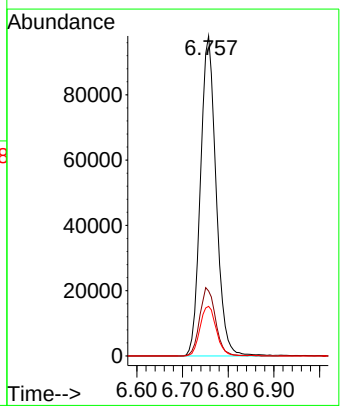


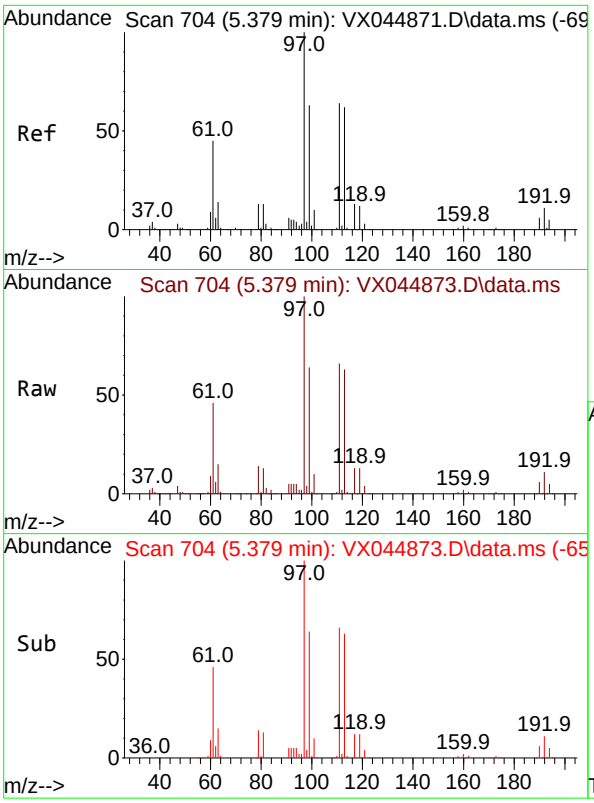


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:114 Resp: 232597

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.4
88	15.5	0.0	31.4



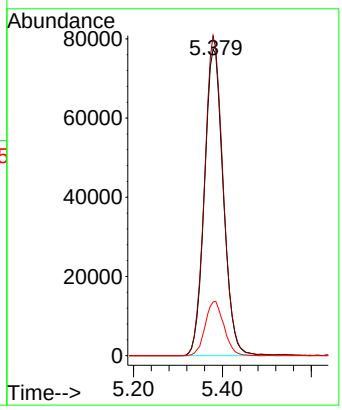


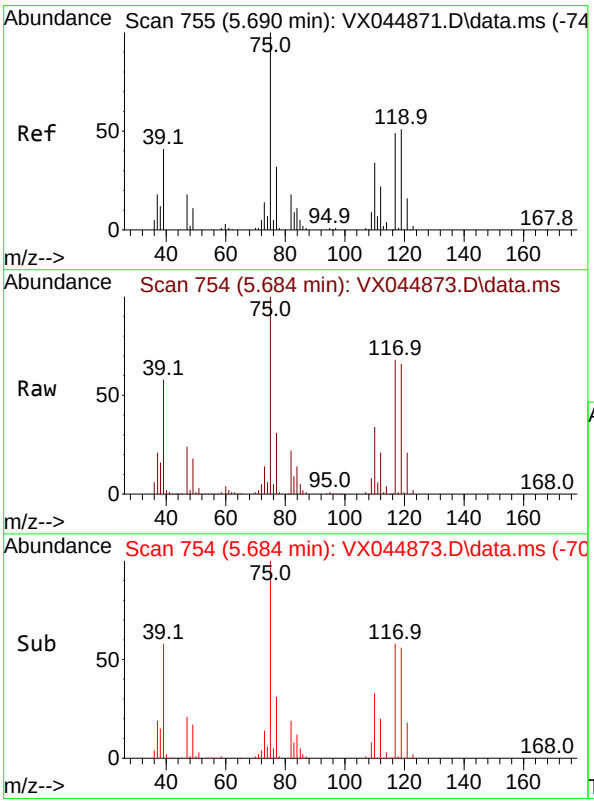
#35
Dibromofluoromethane
Concen: 151.572 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 229218

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.5	125.3
192	17.6	14.4	21.6

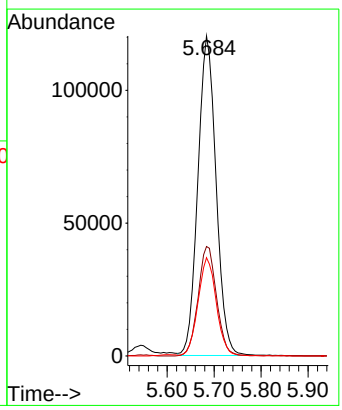


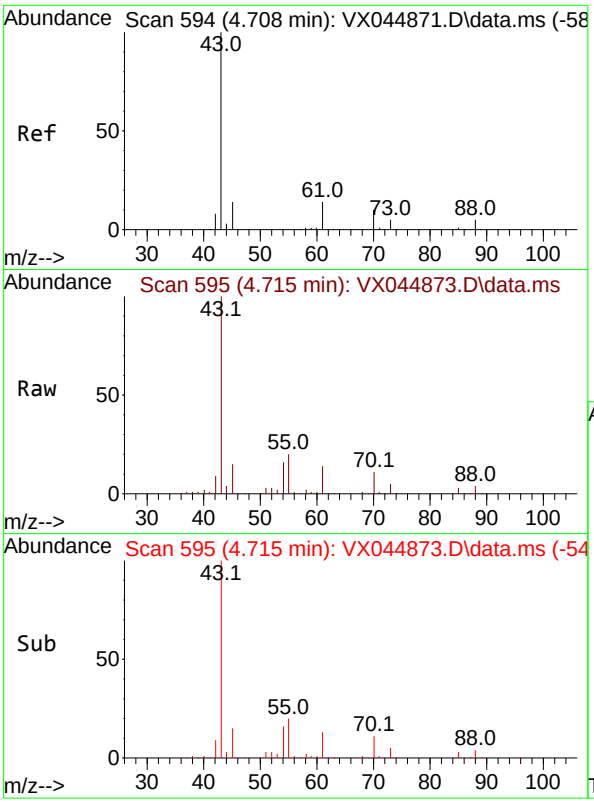


#36
1,1-Dichloropropene
Concen: 148.585 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 324182

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.2	51.6
77	30.9	24.6	37.0



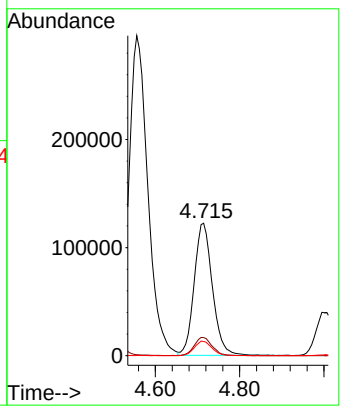


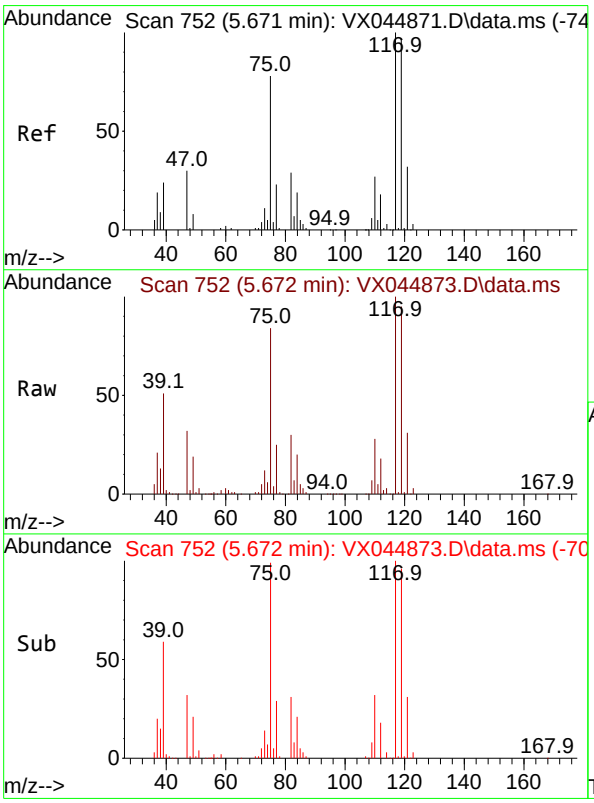
#37
Ethyl Acetate
Concen: 151.956 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 368763

Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	10.6	8.2	12.2

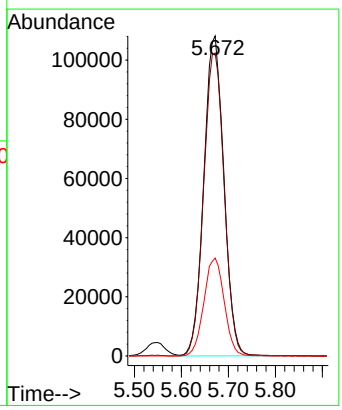


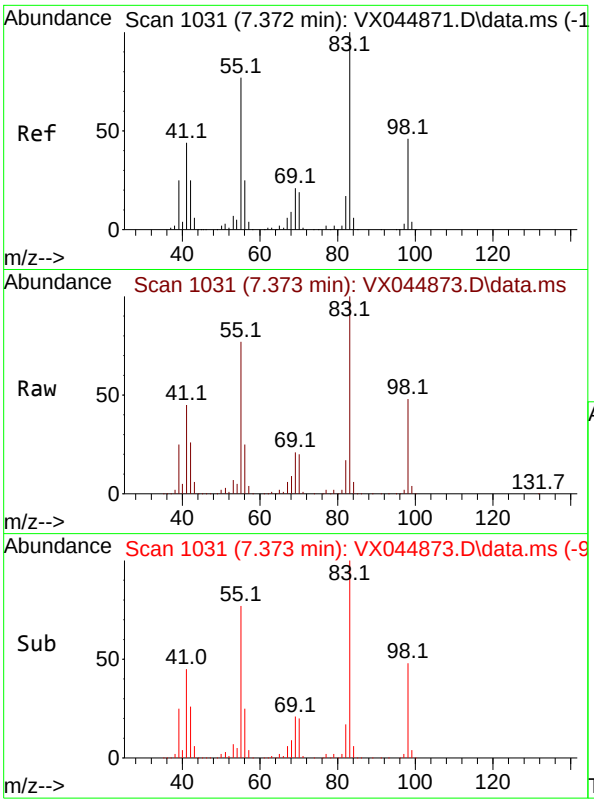


#38
Carbon Tetrachloride
Concen: 149.921 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:117 Resp: 320536

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.5	116.3
121	30.6	25.6	38.4



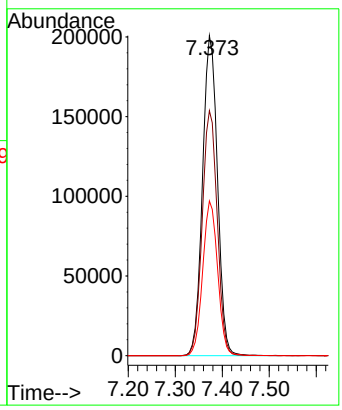


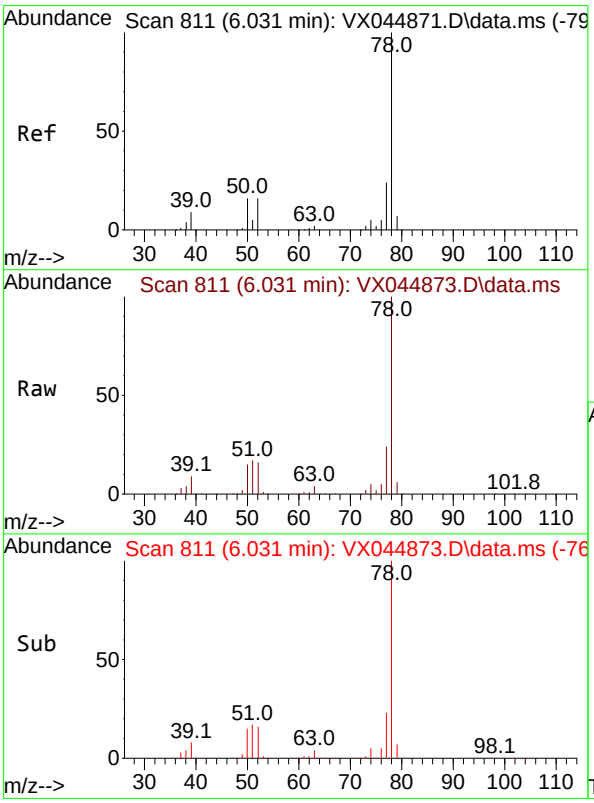
#39
Methylcyclohexane
Concen: 157.130 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 443218

Ion	Ratio	Lower	Upper
83	100		
55	76.5	61.3	91.9
98	48.4	37.0	55.6

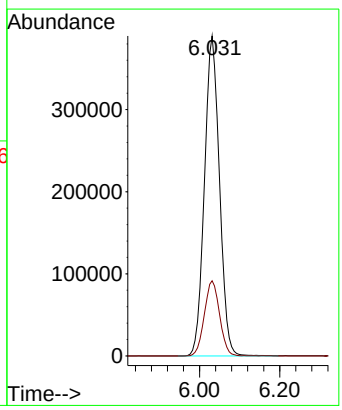


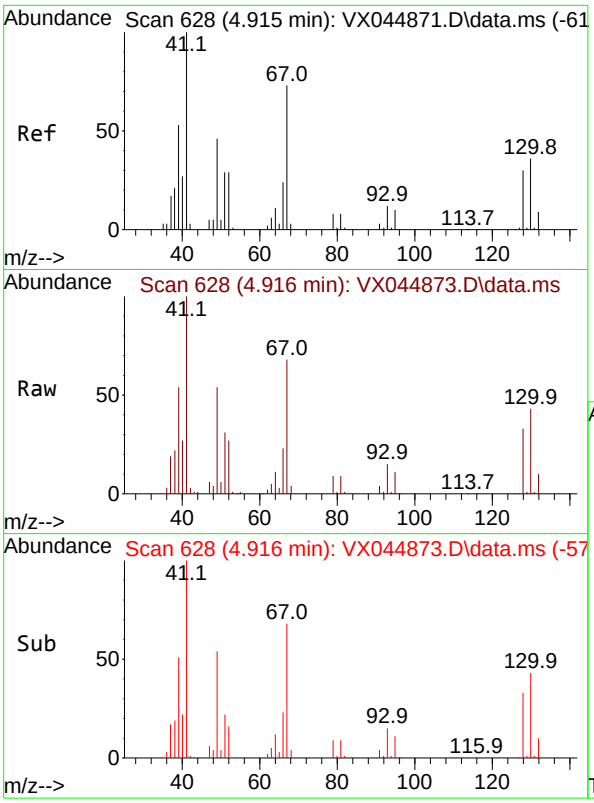


#40
Benzene
Concen: 148.856 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 78 Resp: 1014129

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6



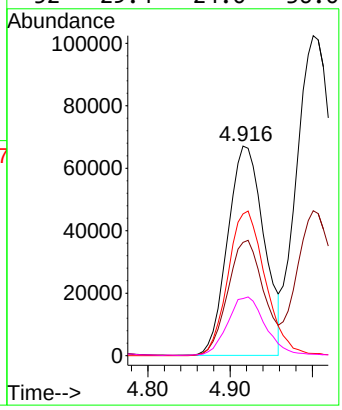


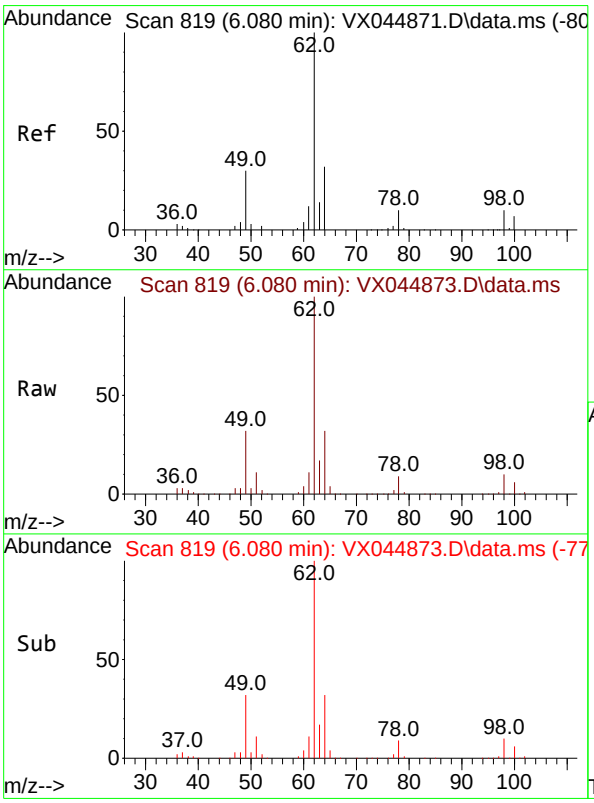
#41
Methacrylonitrile
Concen: 158.707 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 206155

Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.1	64.7
67	71.4	57.0	85.6
52	29.4	24.0	36.0

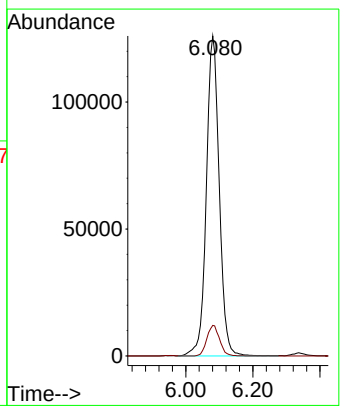


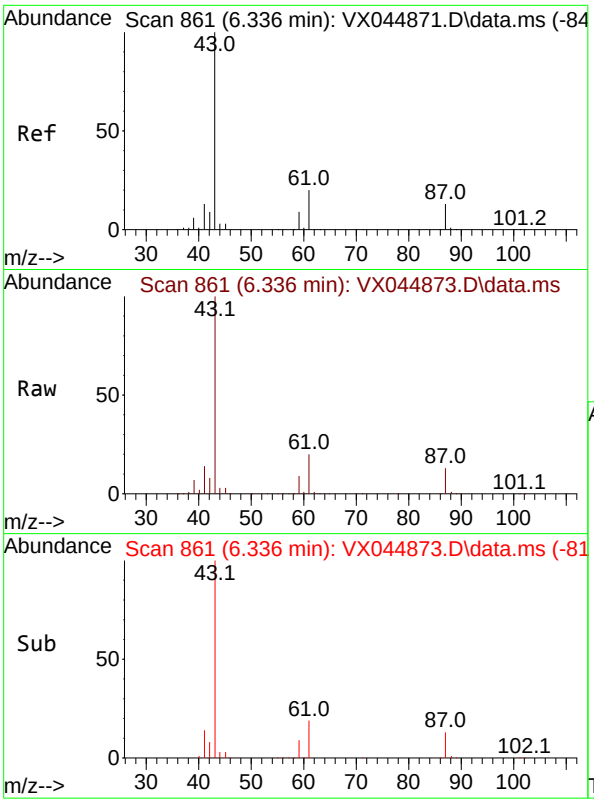


#42
1,2-Dichloroethane
Concen: 154.984 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 336520

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4



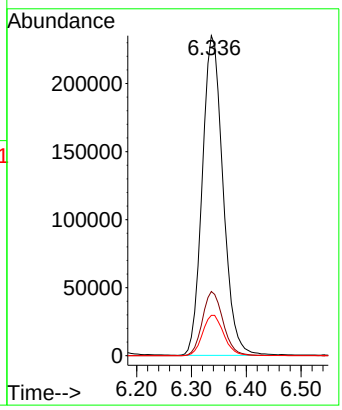


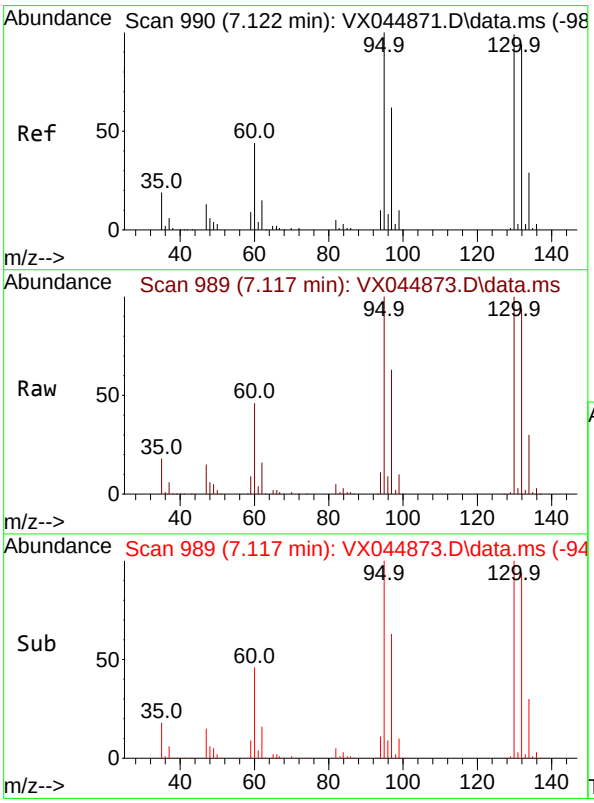
#43
Isopropyl Acetate
Concen: 157.575 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 617516

Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.8	23.8
87	12.9	10.0	15.0

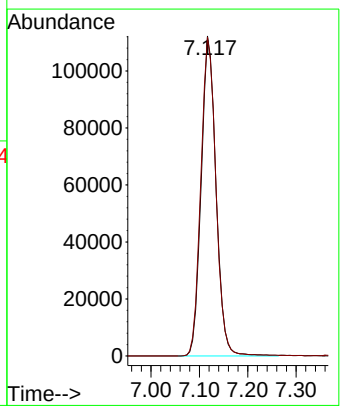


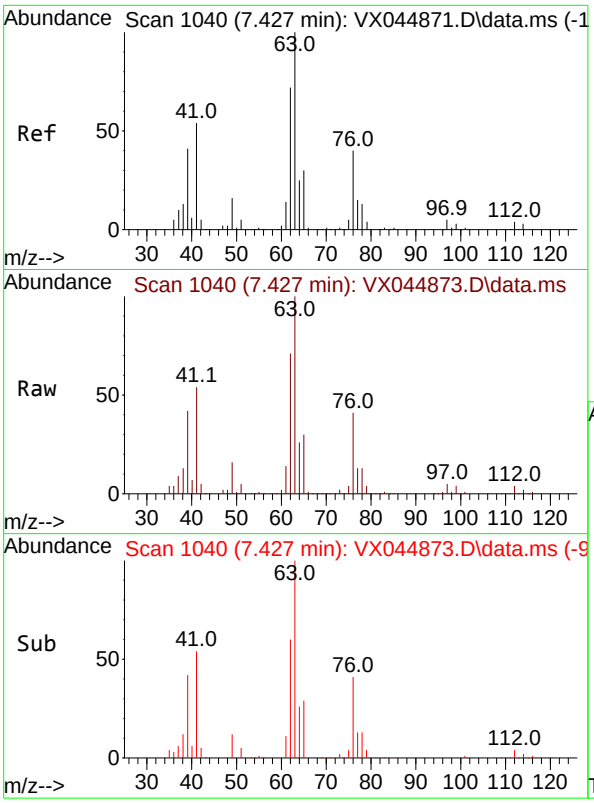


#44
Trichloroethene
Concen: 153.496 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:130 Resp: 239030

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	202.4



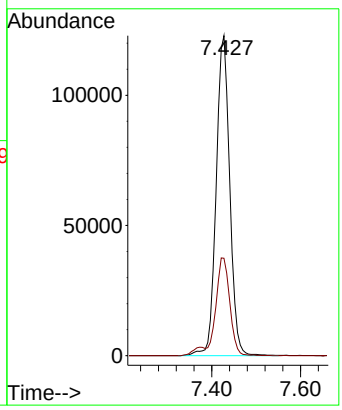


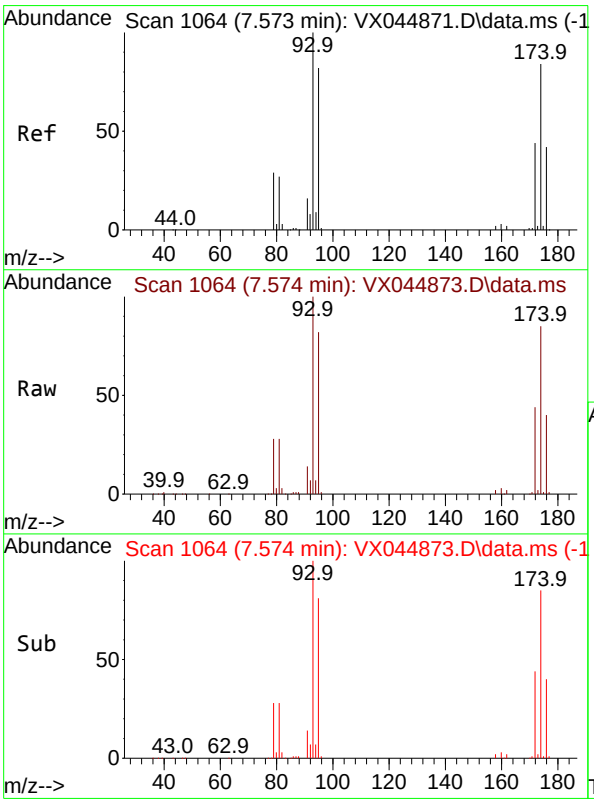
#45
1,2-Dichloropropane
Concen: 153.076 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 259454

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.2	36.4

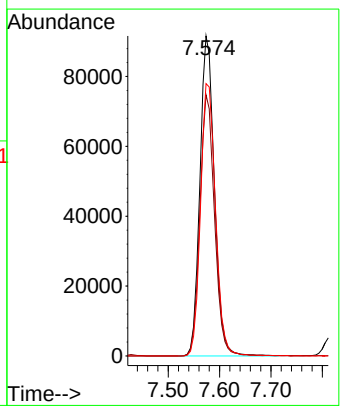


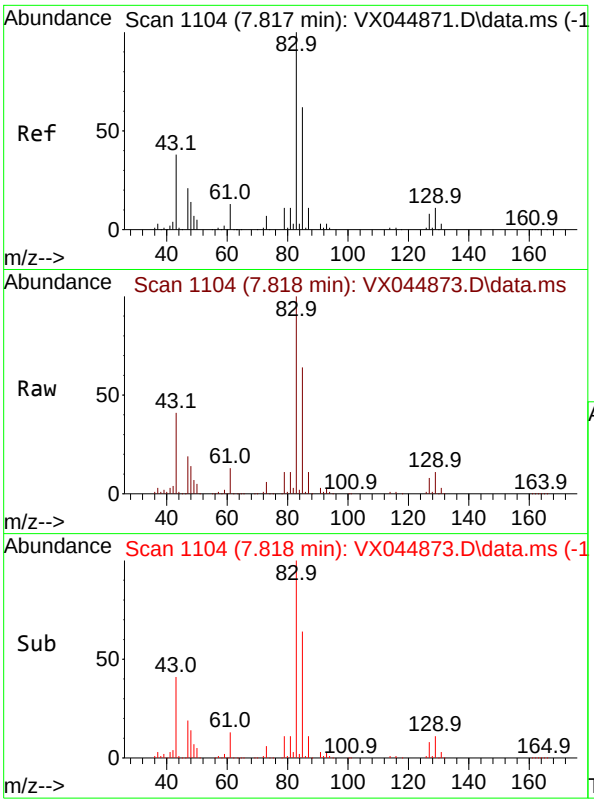


#46
Dibromomethane
Concen: 152.870 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 93 Resp: 179689

Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.2	99.4
174	87.9	69.9	104.9



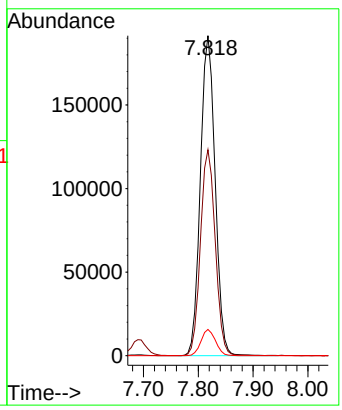


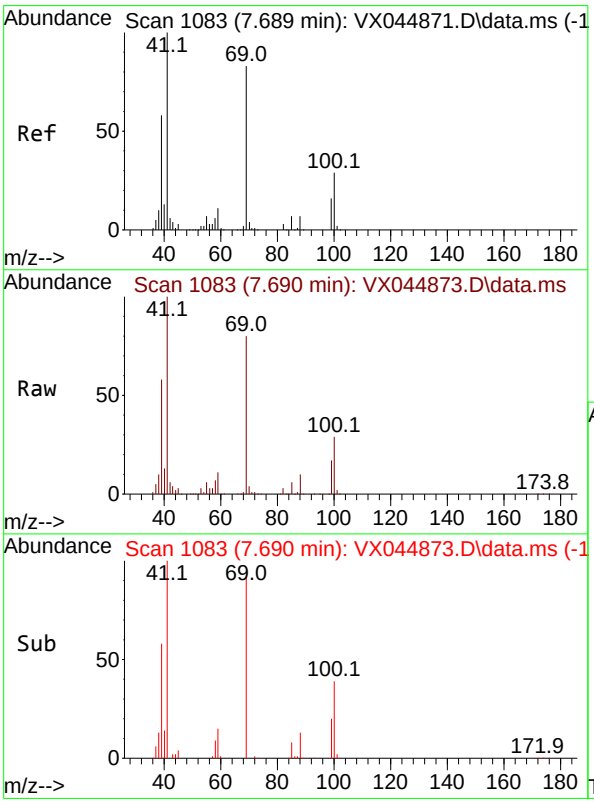
#47
Bromodichloromethane
Concen: 157.128 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 357623

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.0	75.0
127	8.2	6.4	9.6

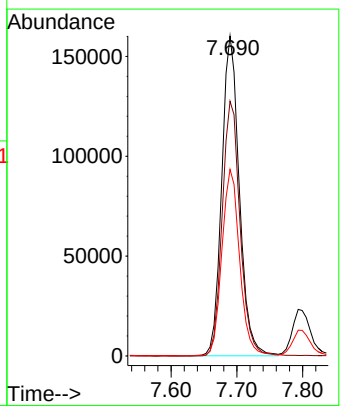


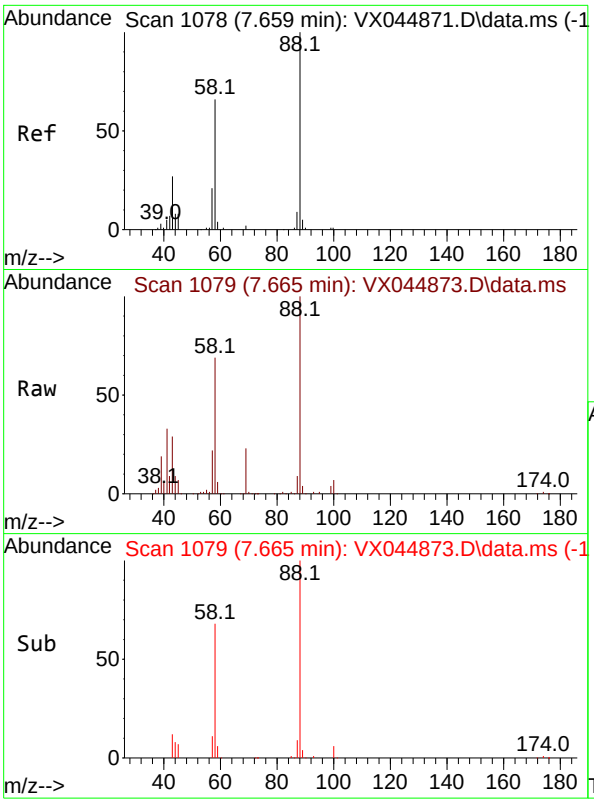


#48
Methyl methacrylate
Concen: 161.236 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 297931

Ion	Ratio	Lower	Upper
41	100		
69	81.4	65.8	98.8
39	58.7	46.4	69.6



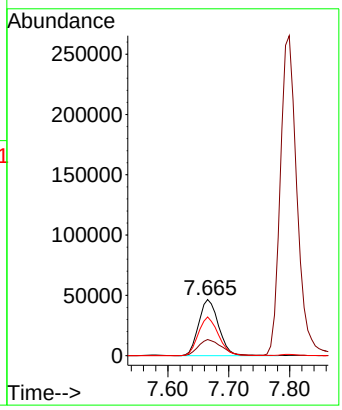


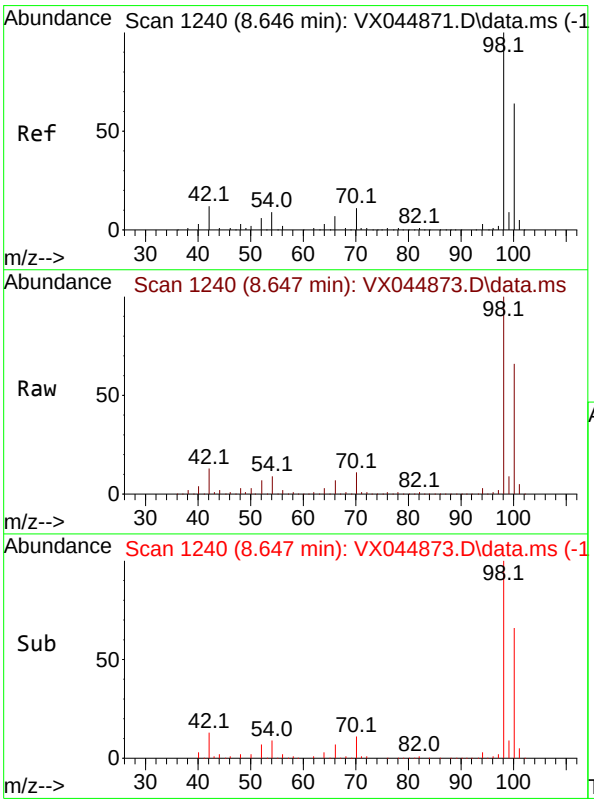
#49
1,4-Dioxane
Concen: 2678.192 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 106175

Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.6	39.8
58	69.4	55.9	83.9

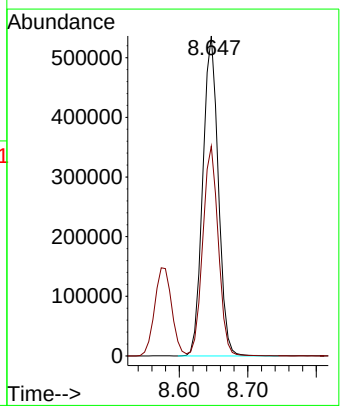


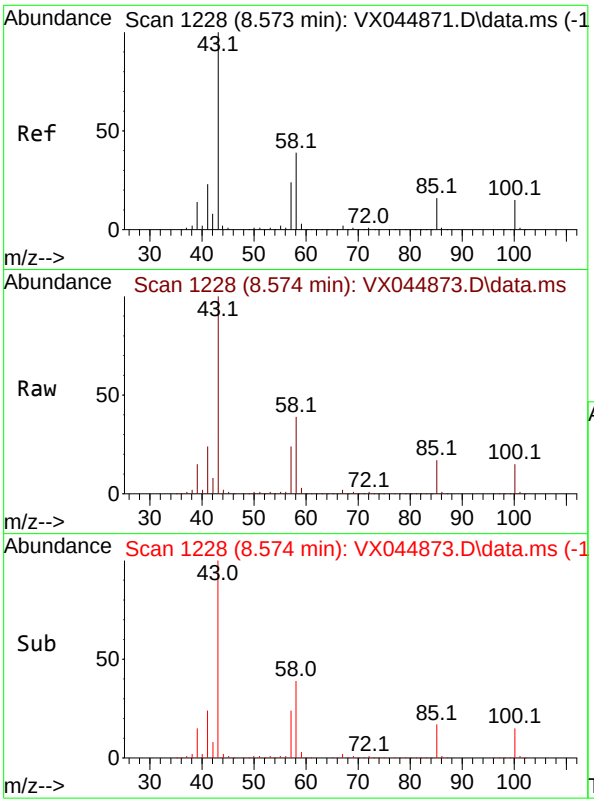


#50
Toluene-d8
Concen: 147.877 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 98 Resp: 845632

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1



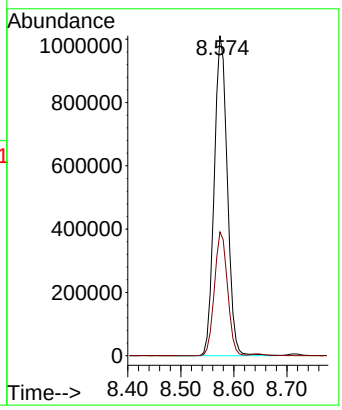


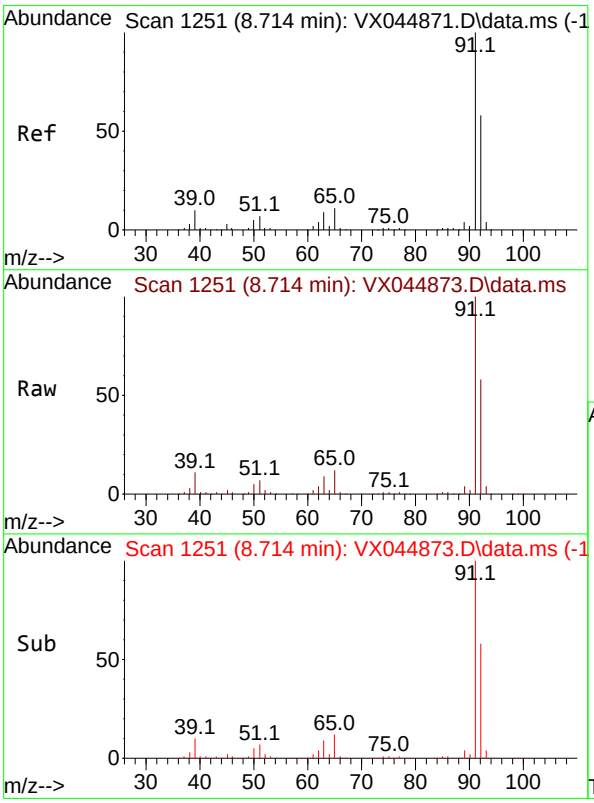
#51
4-Methyl-2-Pentanone
Concen: 728.887 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1736538

Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.8	46.2

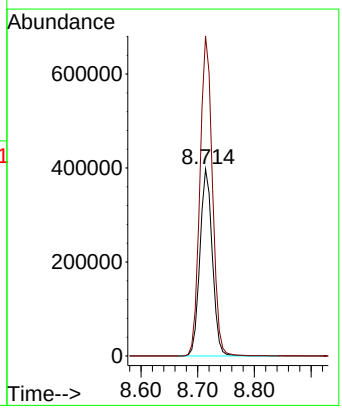


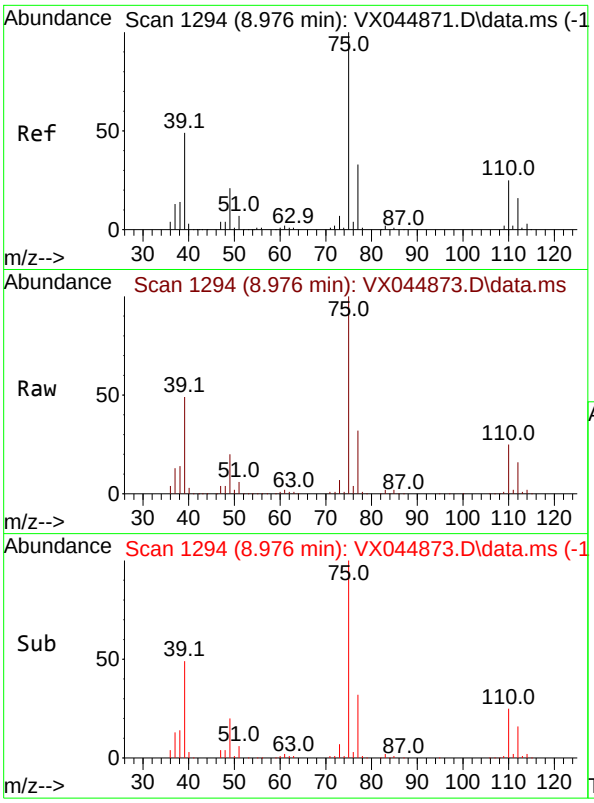


#52
Toluene
Concen: 148.645 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 92 Resp: 603113

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.4	206.2



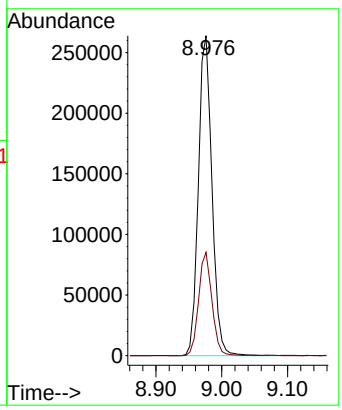


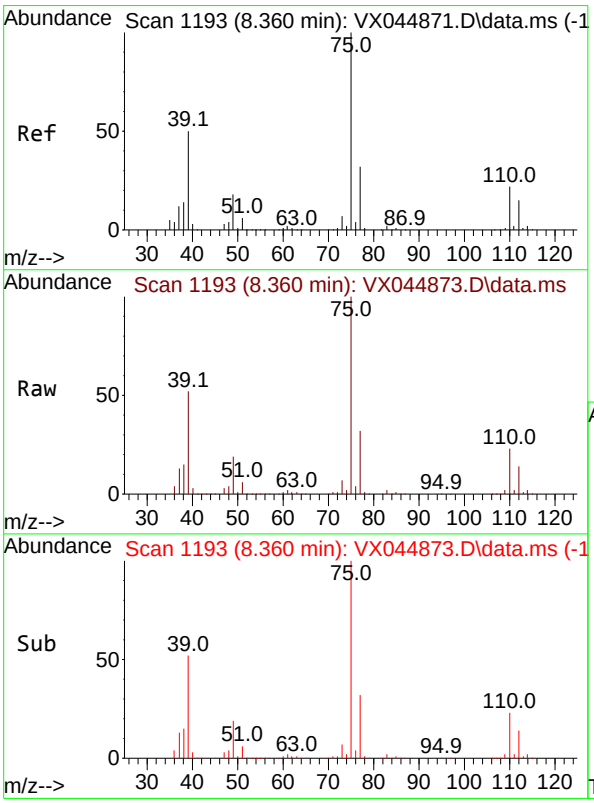
#53
t-1,3-Dichloropropene
Concen: 164.398 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 378639

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.0	39.0

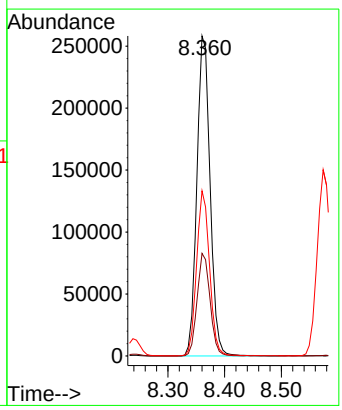


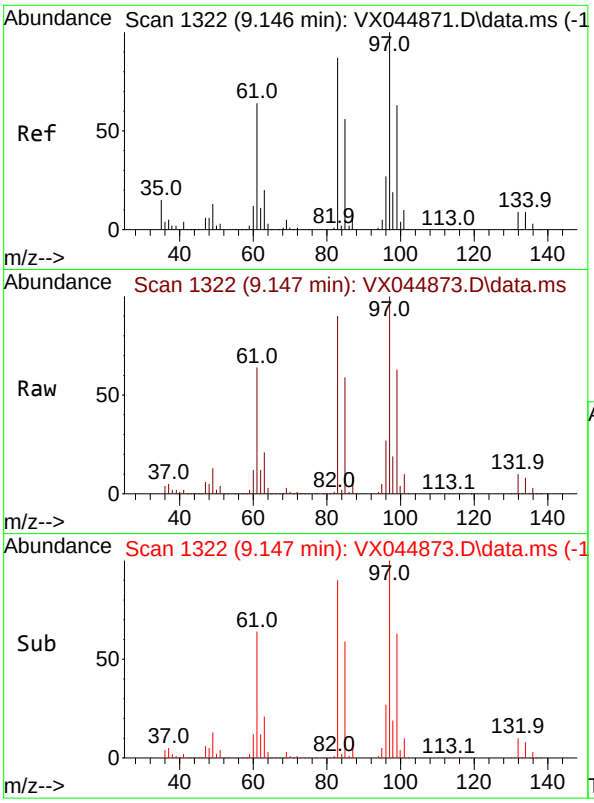


#54
cis-1,3-Dichloropropene
Concen: 162.667 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 417724

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9
39	51.5	40.0	60.0



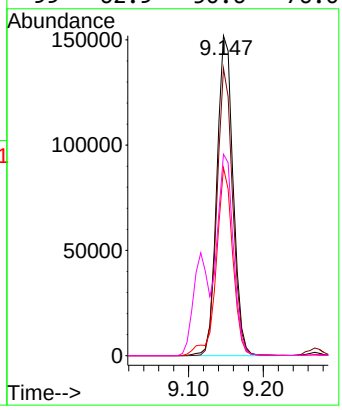


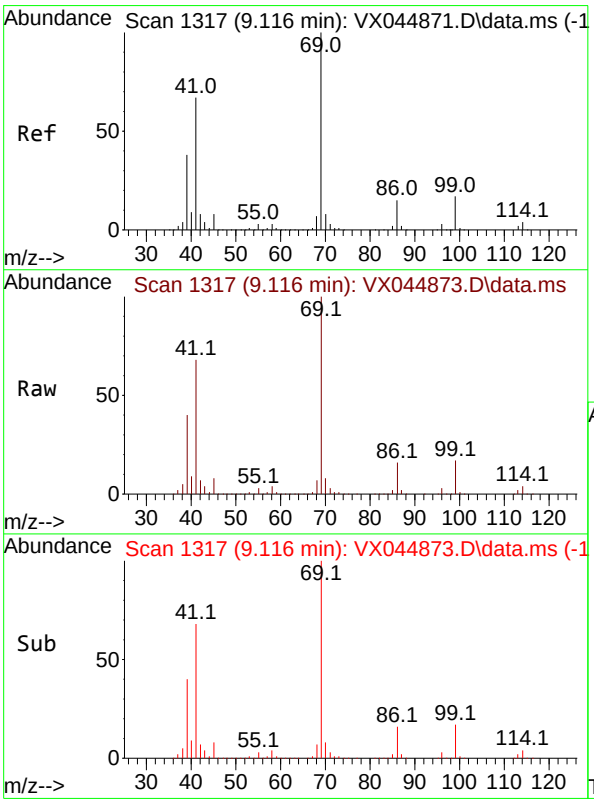
#55
1,1,2-Trichloroethane
Concen: 147.172 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 229548

Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.8	104.6
85	58.7	44.8	67.2
99	62.9	50.6	76.0

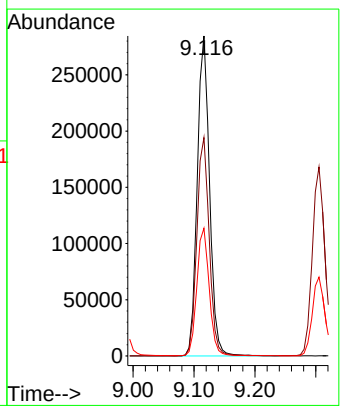


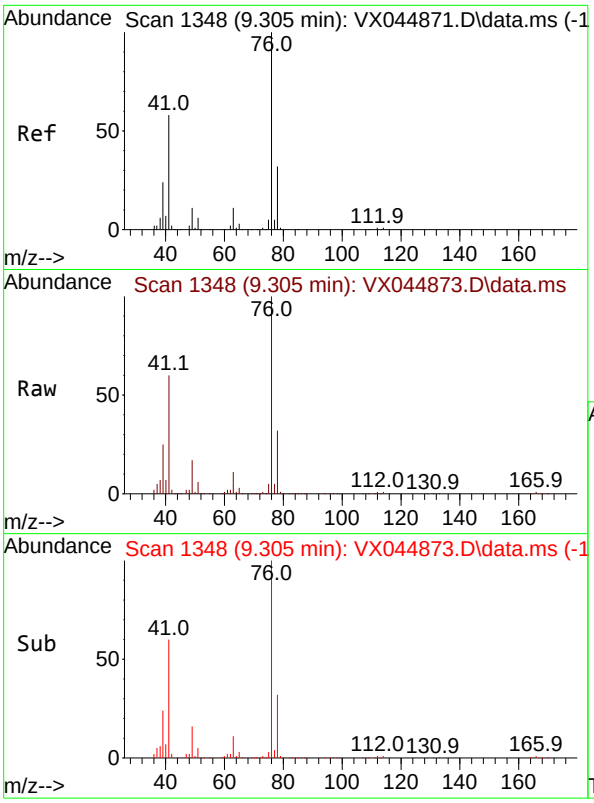


#56
Ethyl methacrylate
Concen: 158.205 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 69 Resp: 398535

Ion	Ratio	Lower	Upper
69	100		
41	68.7	55.2	82.8
39	40.0	30.8	46.2



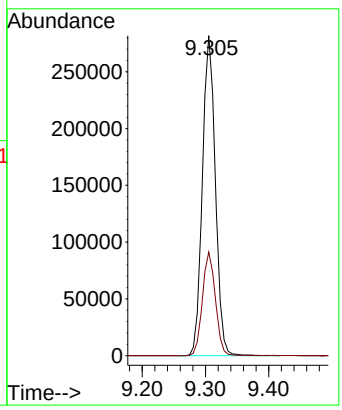


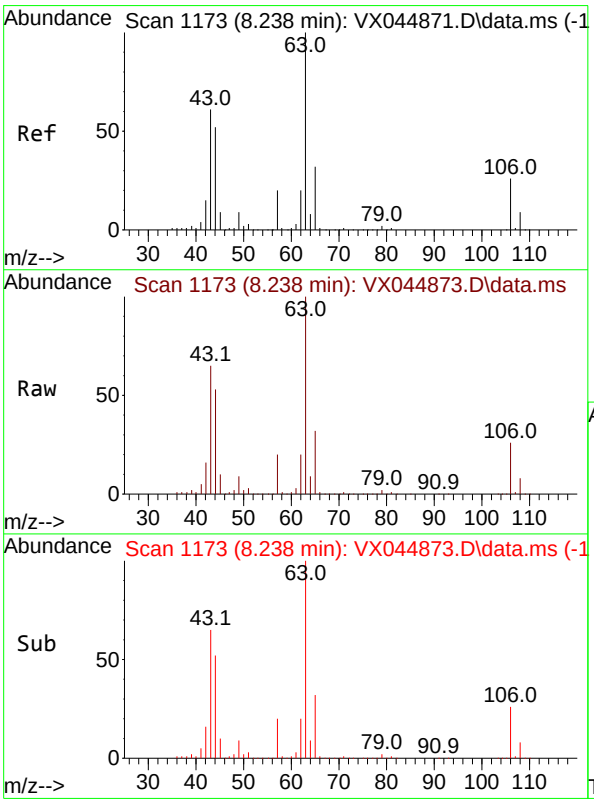
#57
1,3-Dichloropropane
Concen: 147.915 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 403665

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

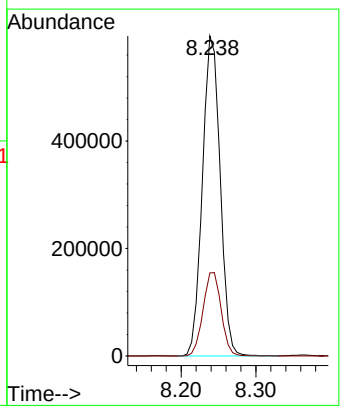


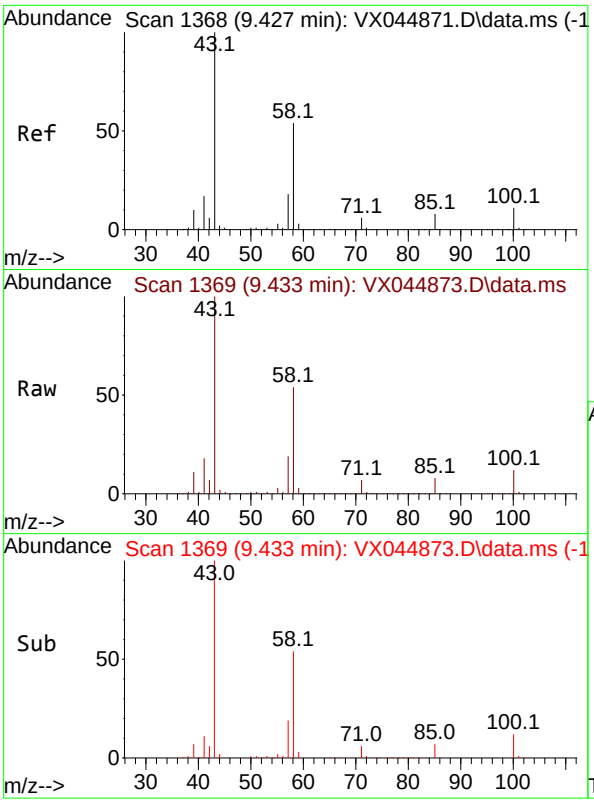


#58
2-Chloroethyl Vinyl ether
Concen: 794.010 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 982120

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9



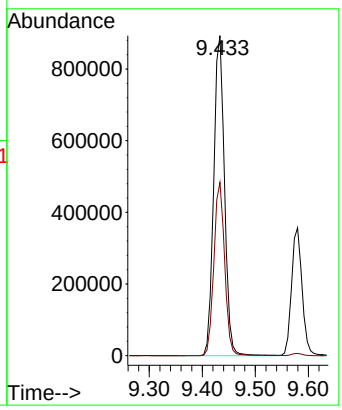


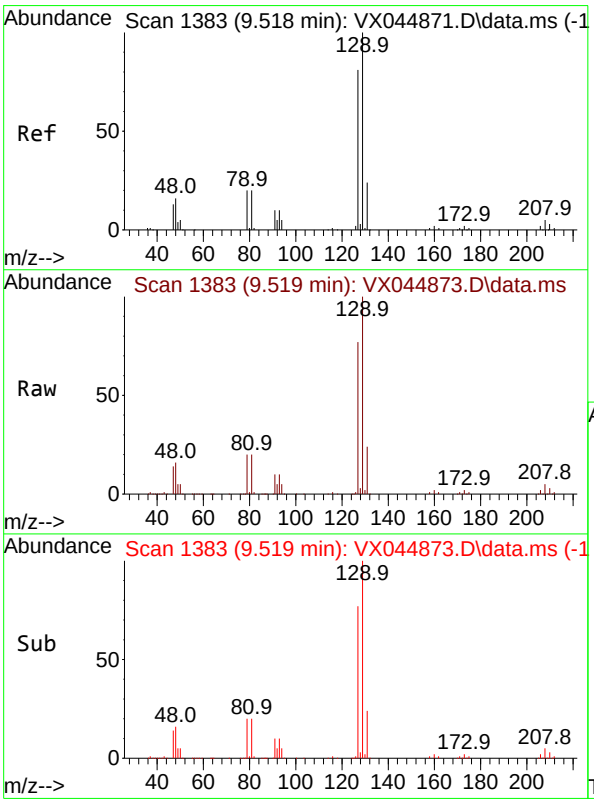
#59
2-Hexanone
Concen: 736.622 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1264470

Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.5	82.4

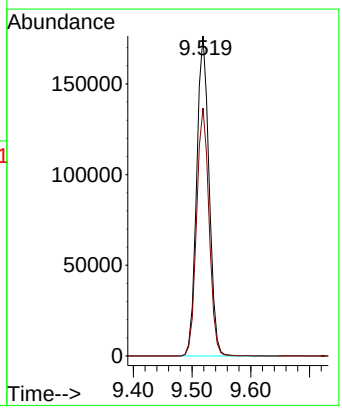


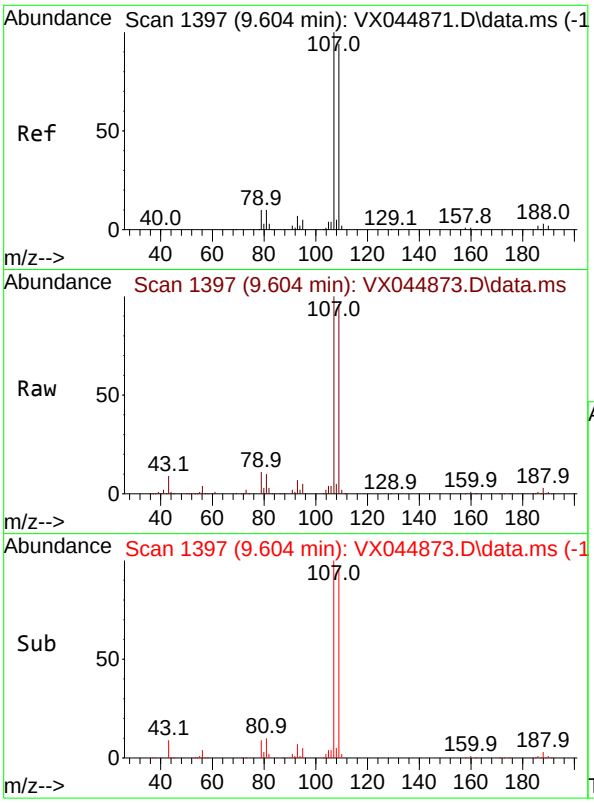


#60
Dibromochloromethane
Concen: 154.862 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:129 Resp: 258320

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.3



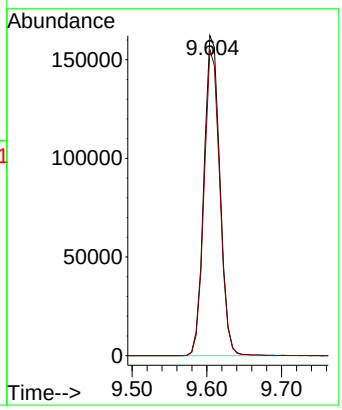


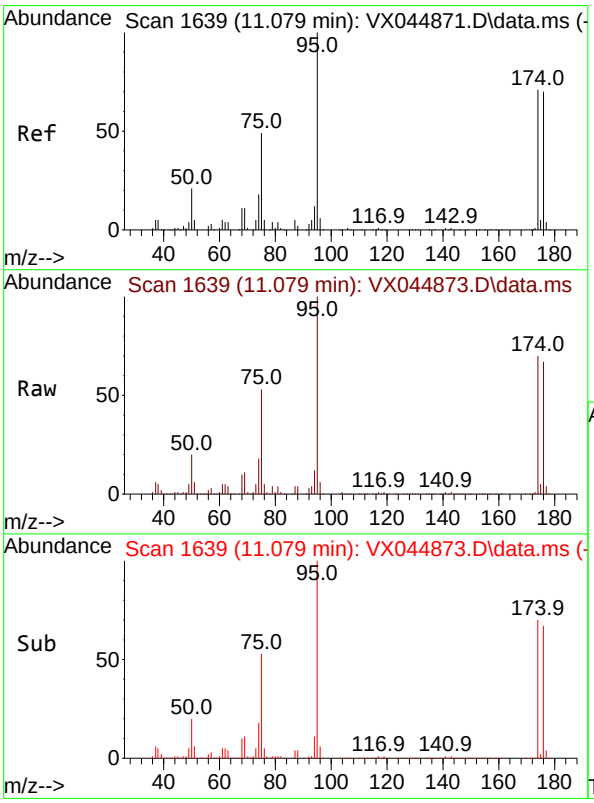
#61
1,2-Dibromoethane
Concen: 152.157 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 240539

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.9	113.9

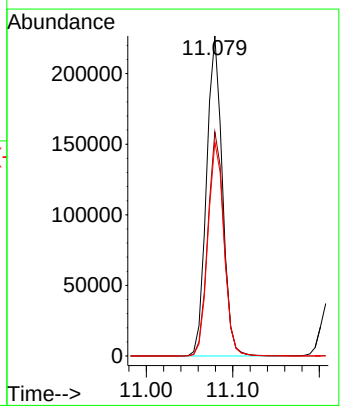


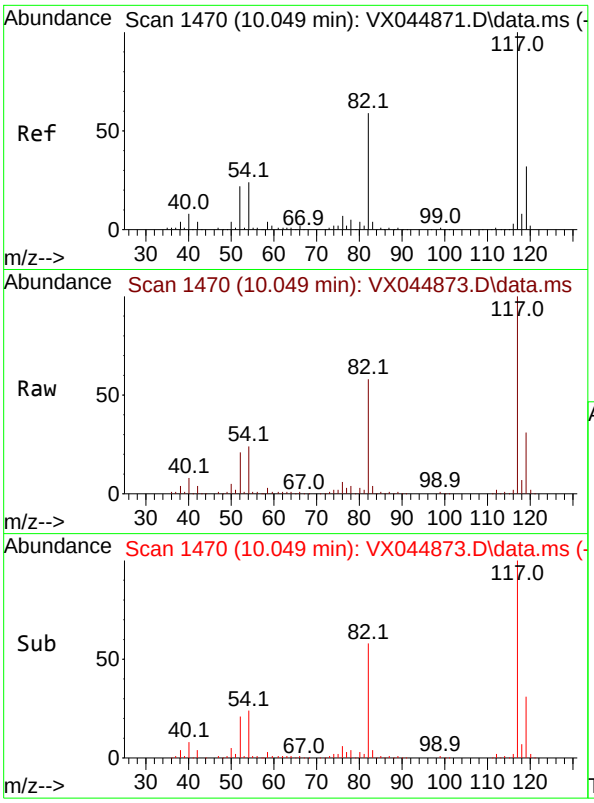


#62
4-Bromofluorobenzene
Concen: 149.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 95 Resp: 287486

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	142.6
176	68.0	0.0	141.6



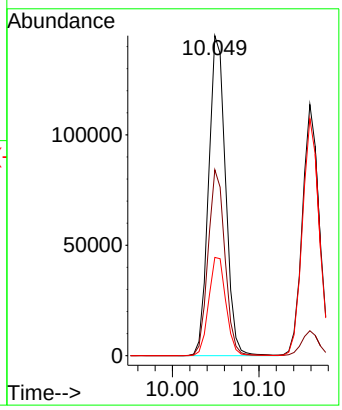


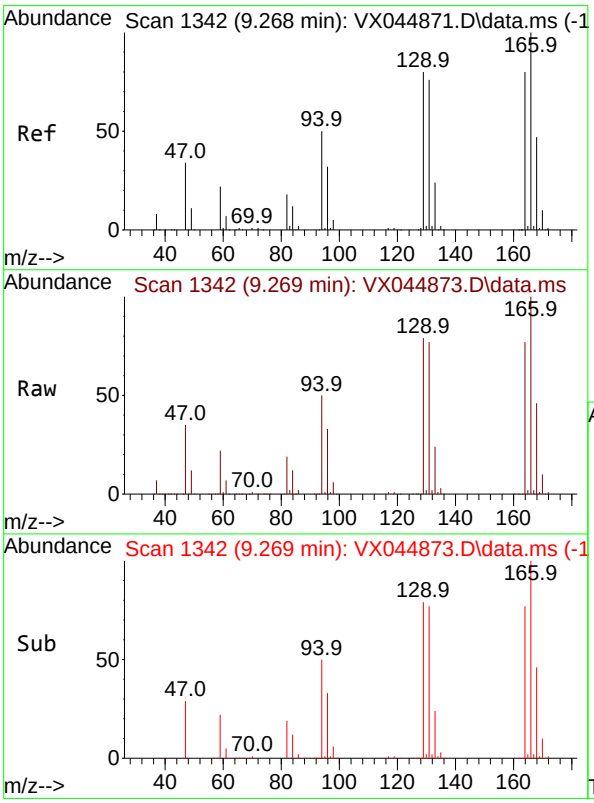
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 196663

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.5	71.3
119	30.7	25.4	38.0

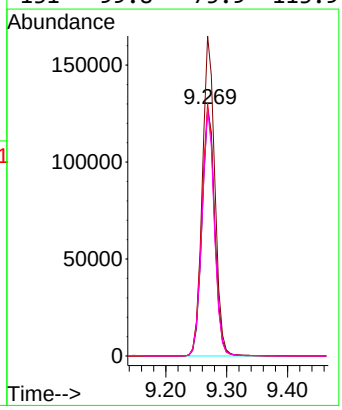


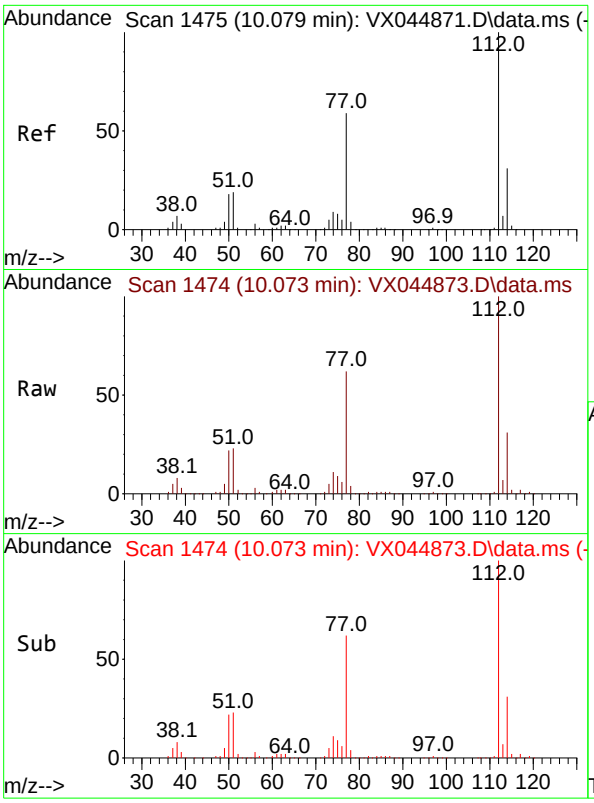


#64
Tetrachloroethene
Concen: 149.155 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:164 Resp: 184990

Ion	Ratio	Lower	Upper
164	100		
166	129.5	100.4	150.6
129	102.3	79.9	119.9
131	99.8	75.9	113.9



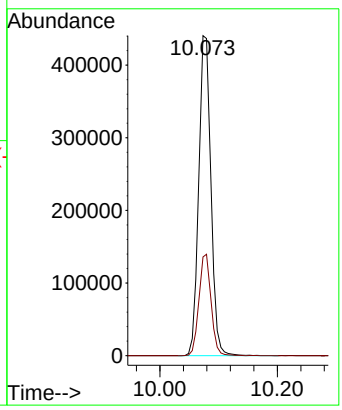


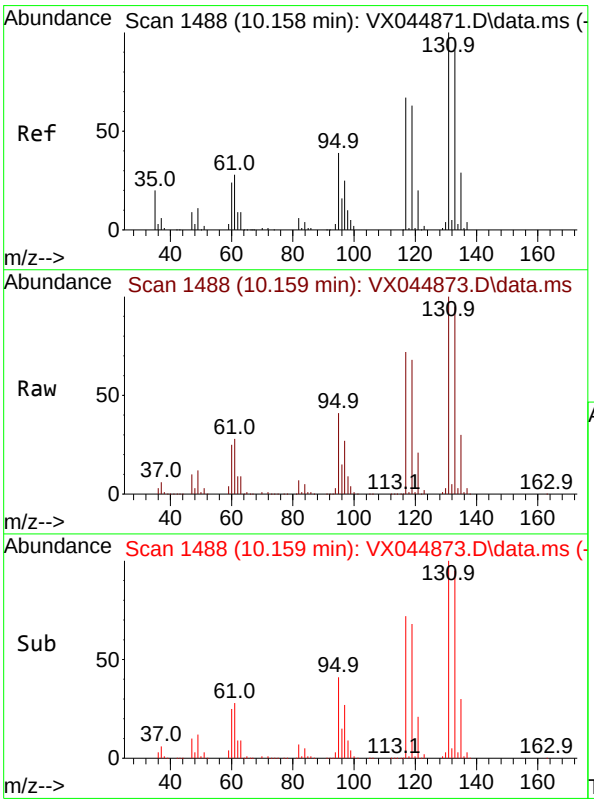
#65
Chlorobenzene
Concen: 150.224 ug/l
RT: 10.073 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 634550

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

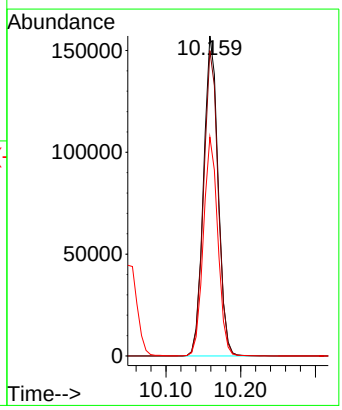


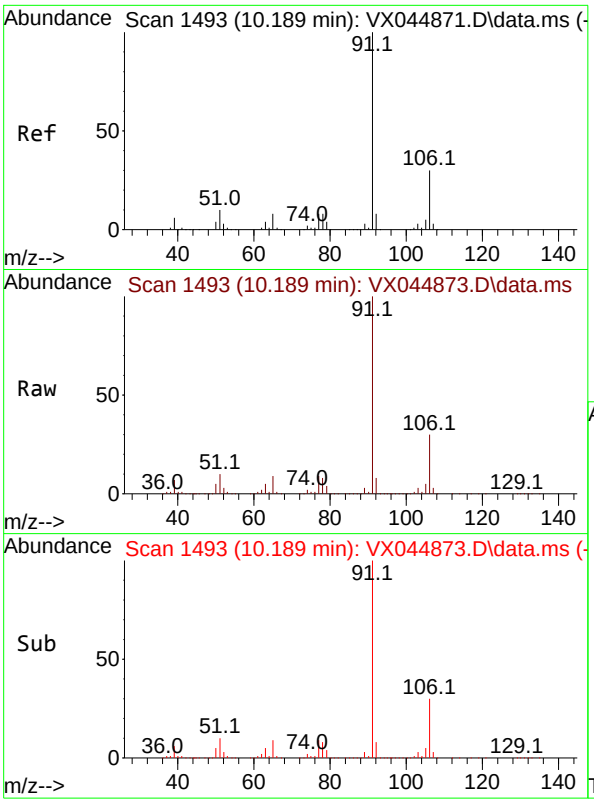


#66
1,1,1,2-Tetrachloroethane
Concen: 156.255 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:131 Resp: 212441

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.1	141.3
119	67.9	33.6	100.6



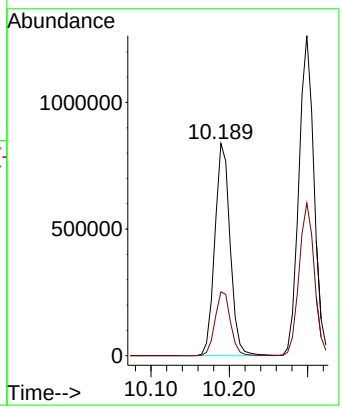


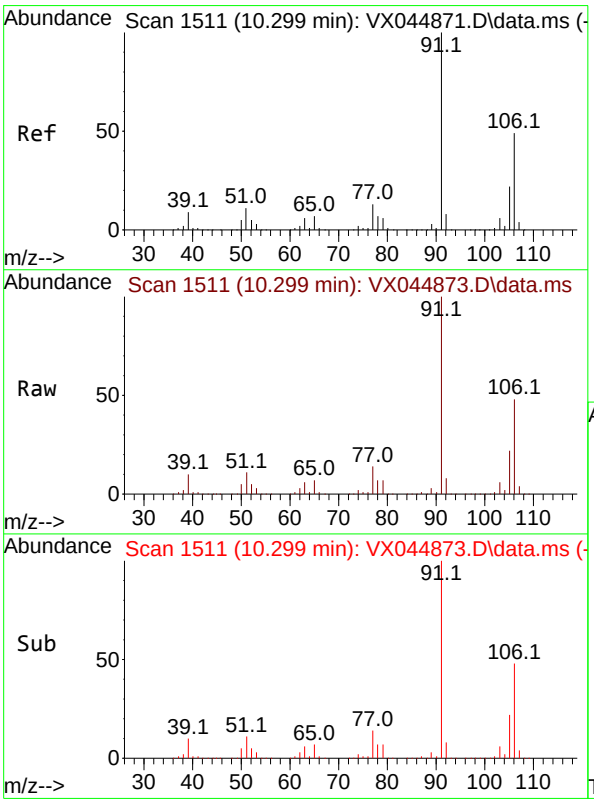
#67
Ethyl Benzene
Concen: 152.647 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1137842

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

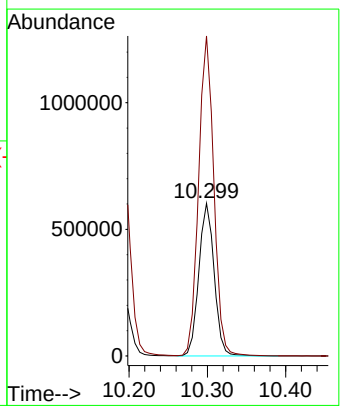


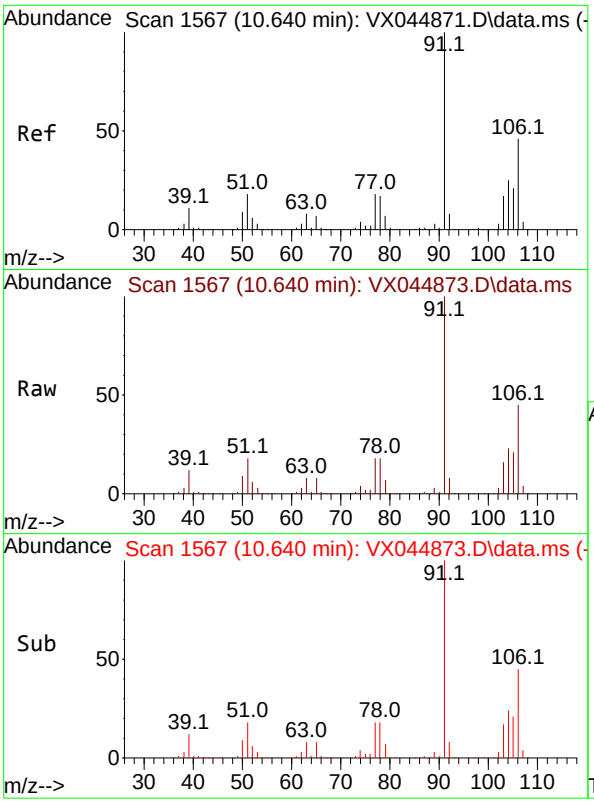


#68
m/p-Xylenes
Concen: 297.841 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:106 Resp: 818971

Ion	Ratio	Lower	Upper
106	100		
91	208.6	164.3	246.5



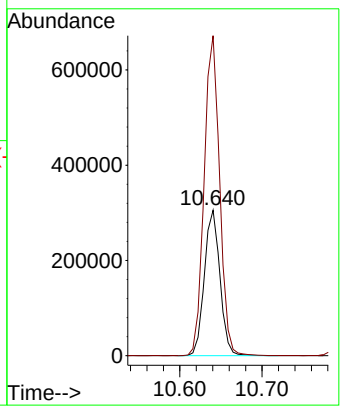


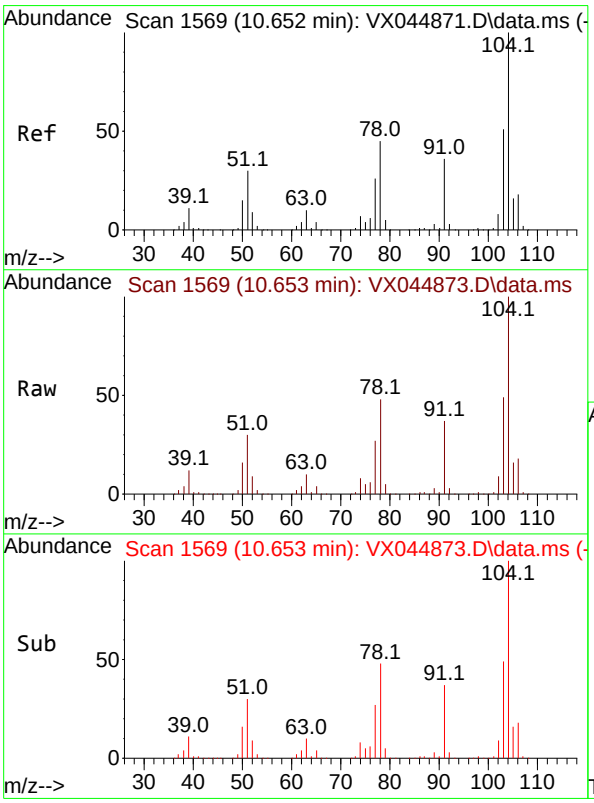
#69
o-Xylene
Concen: 145.674 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 401928

Ion	Ratio	Lower	Upper
106	100		
91	218.9	108.5	325.5

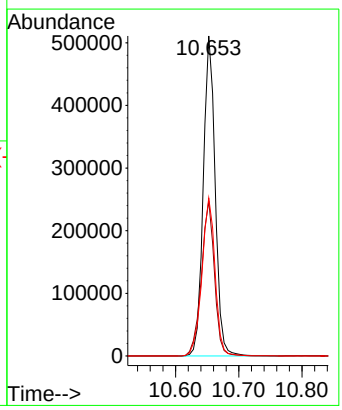


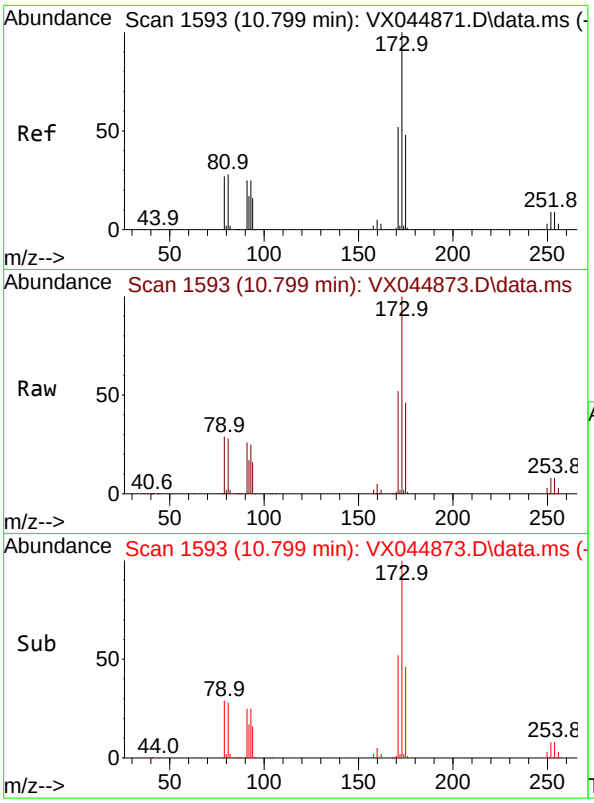


#70
Styrene
Concen: 151.140 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:104 Resp: 671843

Ion	Ratio	Lower	Upper
104	100		
78	53.0	40.5	60.7
103	54.5	43.6	65.4



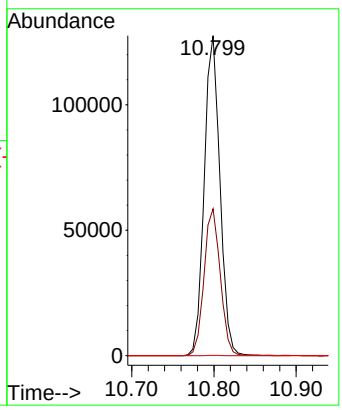


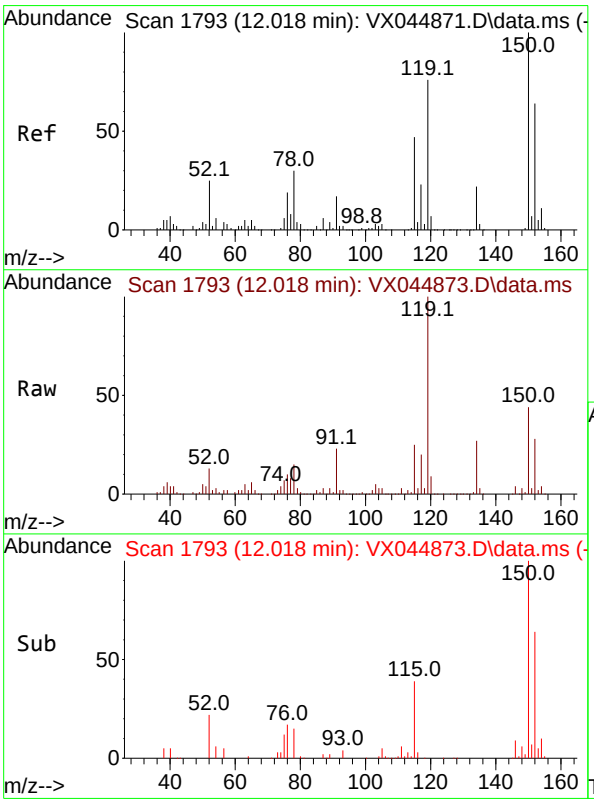
#71
Bromoform
Concen: 167.033 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 169481

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.3	72.8
254	0.1	0.0	0.0#

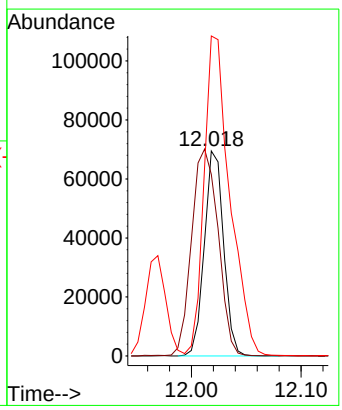


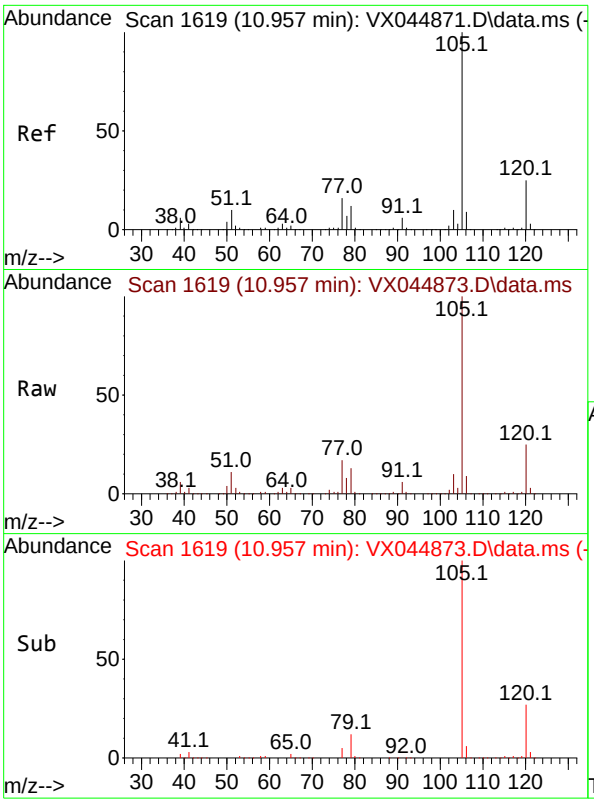


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:152 Resp: 84836

Ion	Ratio	Lower	Upper
152	100		
115	139.2	43.4	130.1#
150	209.6	0.0	350.4



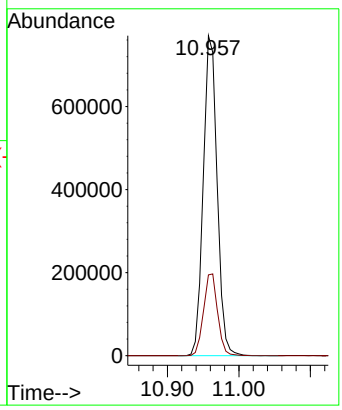


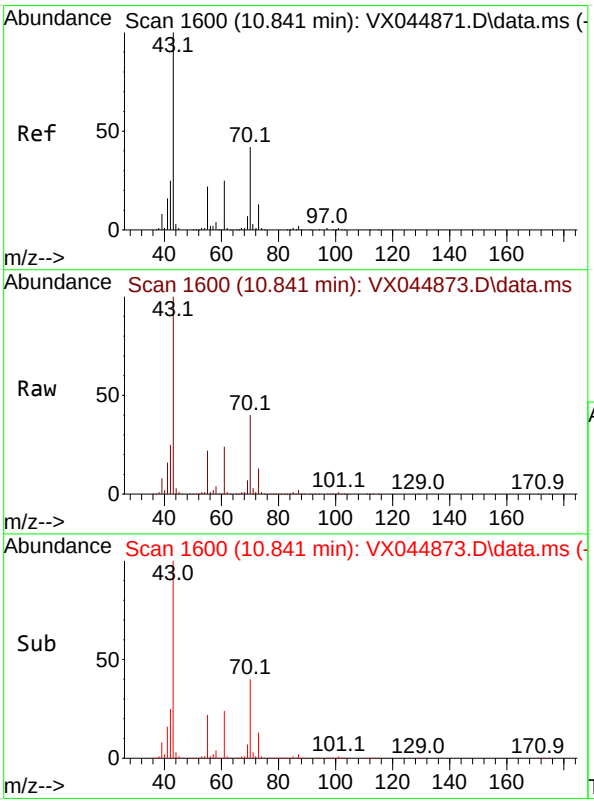
#73
Isopropylbenzene
Concen: 151.869 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1037402

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

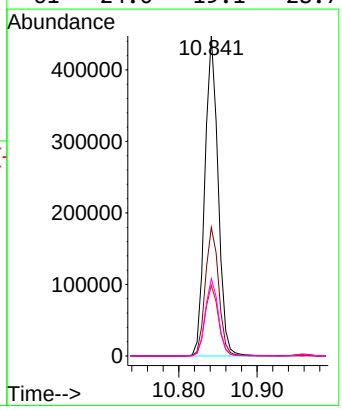


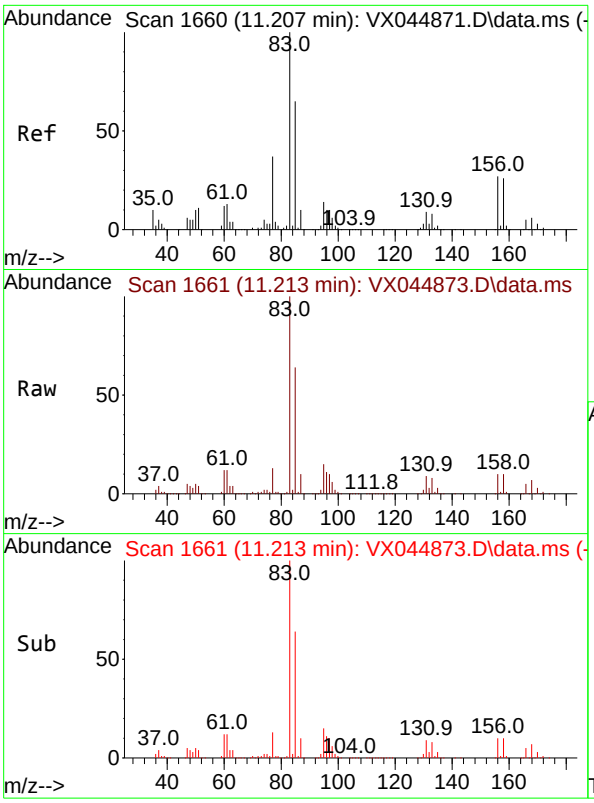


#74
N-amyl acetate
Concen: 168.861 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 521962

Ion	Ratio	Lower	Upper
43	100		
70	41.0	33.7	50.5
55	22.3	18.6	27.8
61	24.0	19.1	28.7



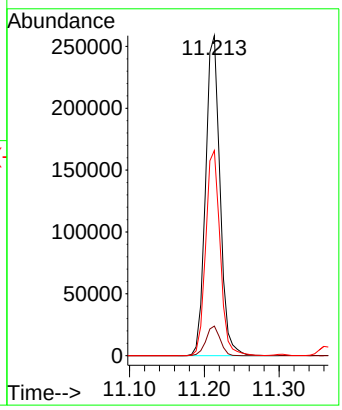


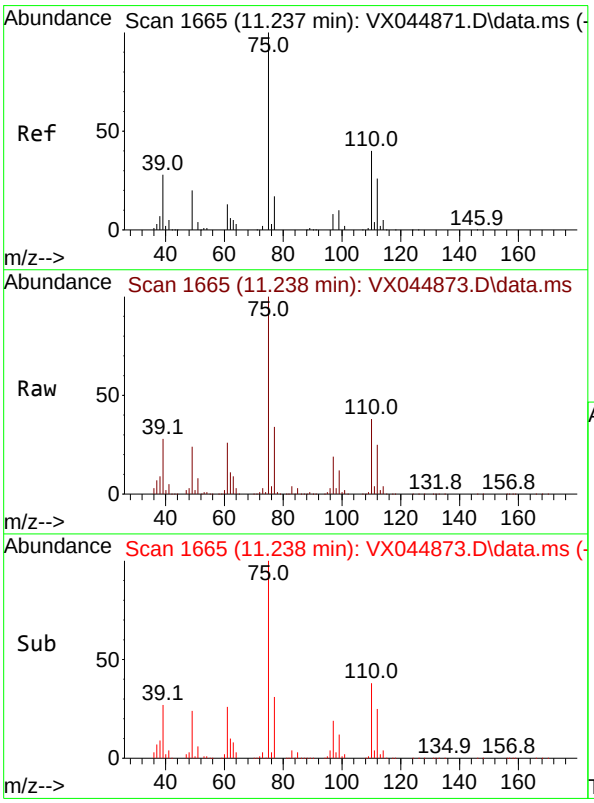
#75
1,1,2,2-Tetrachloroethane
Concen: 147.409 ug/l
RT: 11.213 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 346013

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.5
85	64.3	32.3	96.8

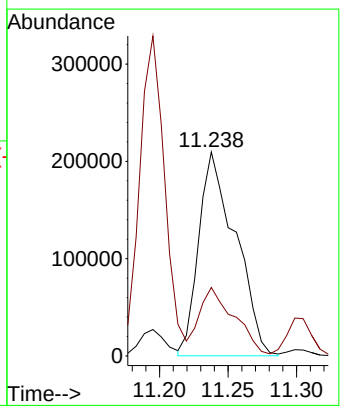


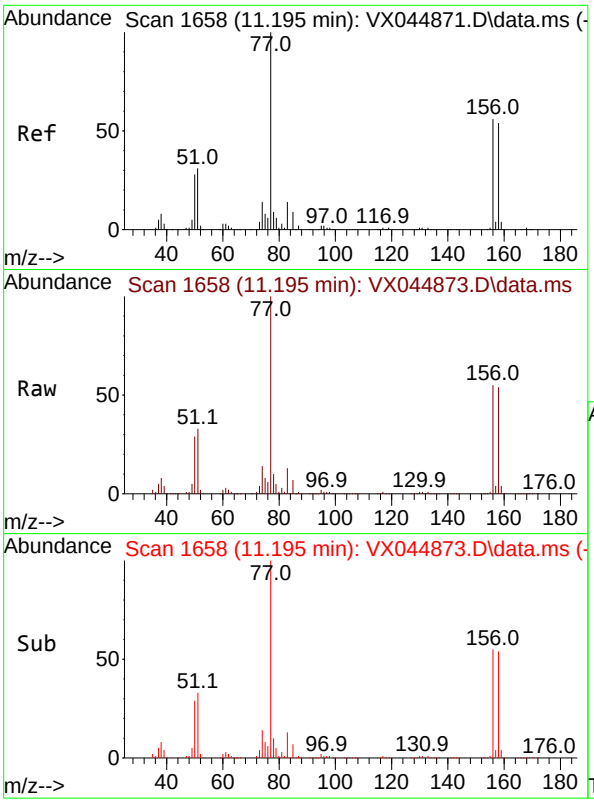


#76
1,2,3-Trichloropropane
Concen: 208.411 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 392008

Ion	Ratio	Lower	Upper
75	100		
77	32.2	21.9	65.7



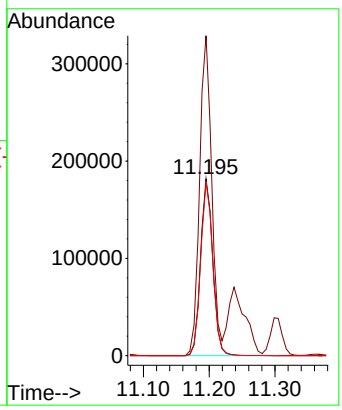


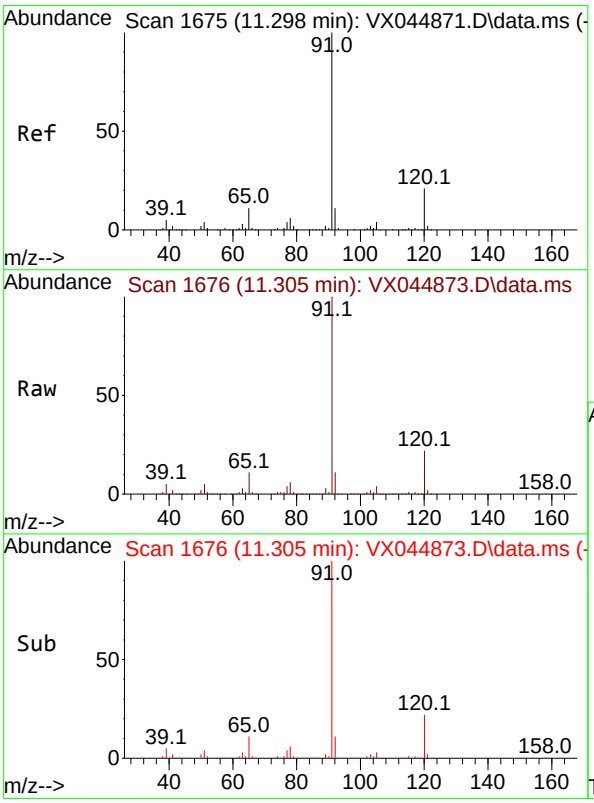
#77
Bromobenzene
Concen: 151.715 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 234957

Ion	Ratio	Lower	Upper
156	100		
77	179.2	88.4	265.3
158	97.1	48.4	145.2

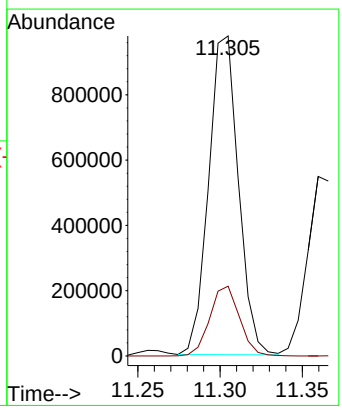


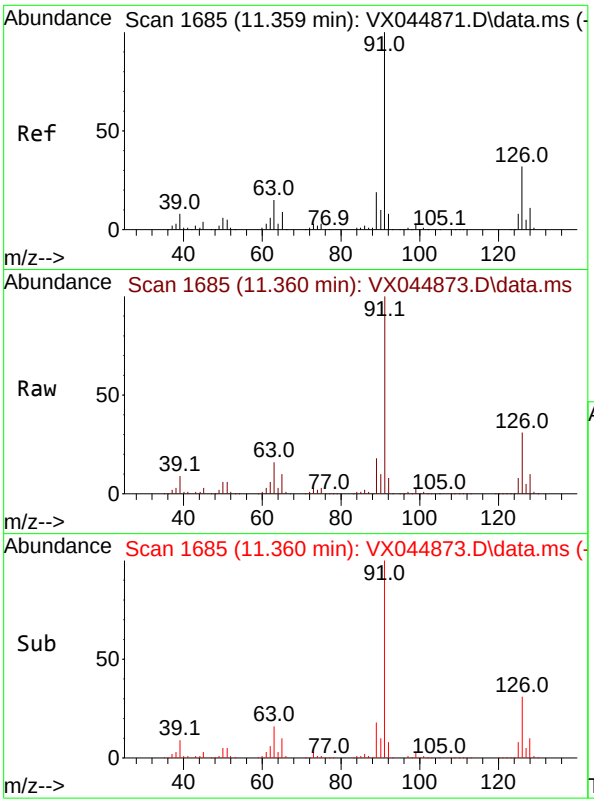


#78
n-propylbenzene
Concen: 156.140 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 1231079

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3



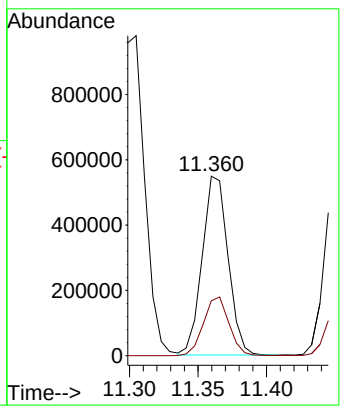


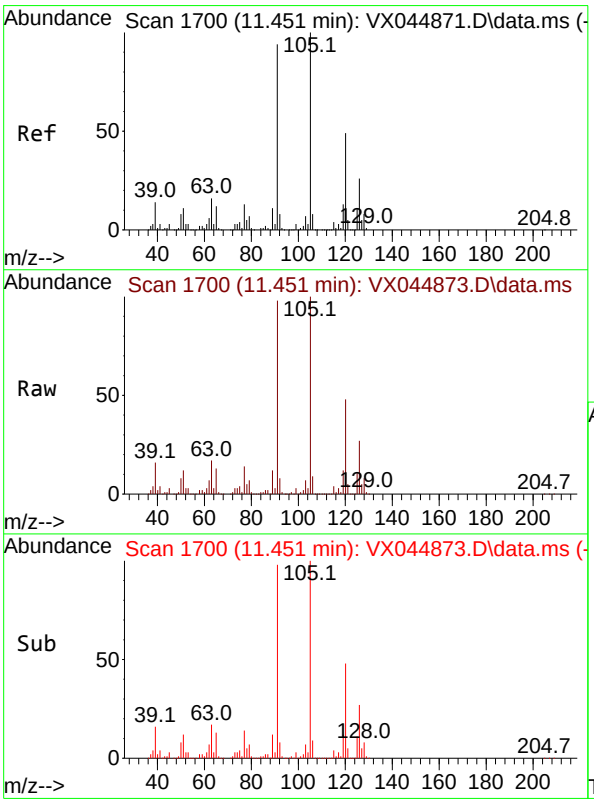
#79
2-Chlorotoluene
Concen: 148.123 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 717766

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.6

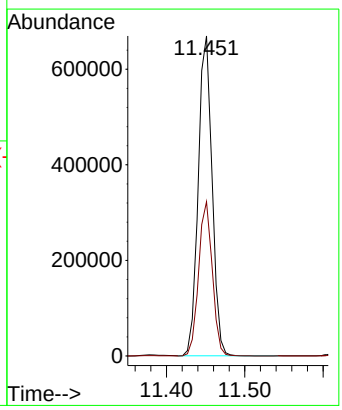


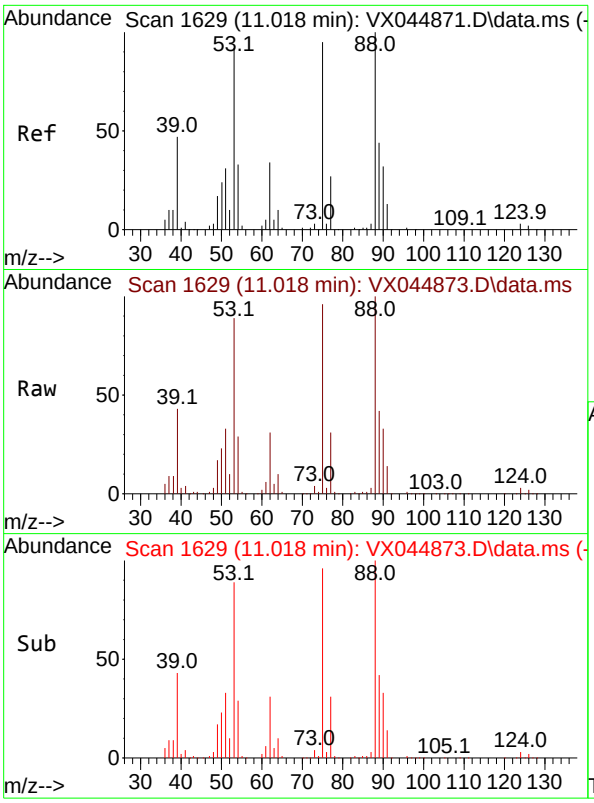


#80
1,3,5-Trimethylbenzene
Concen: 148.415 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 822707

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.0	72.0



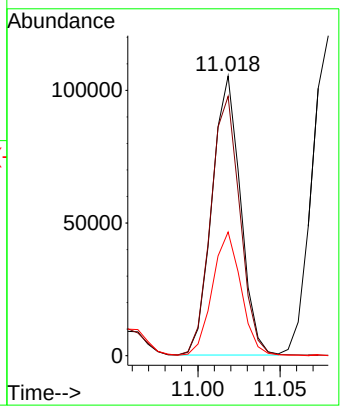


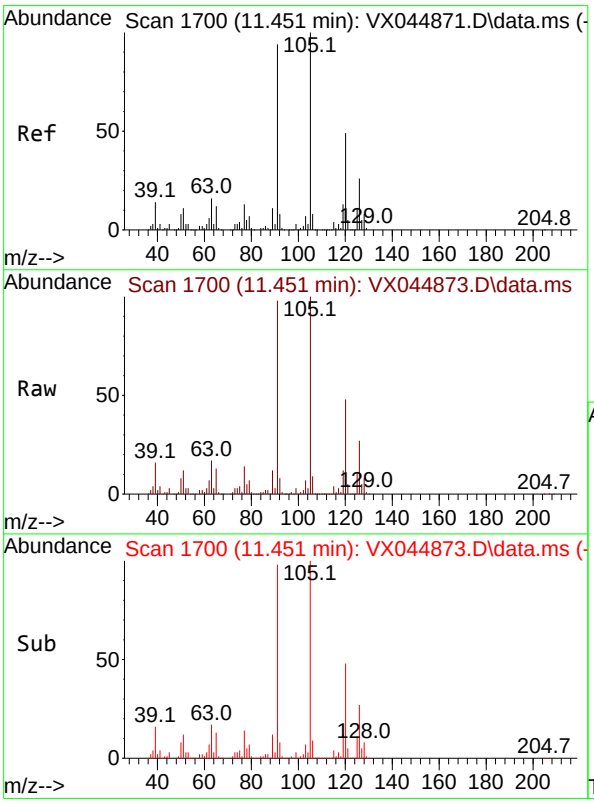
#81
trans-1,4-Dichloro-2-butene
Concen: 173.221 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 126660

Ion	Ratio	Lower	Upper
75	100		
53	95.2	78.0	117.0
89	44.7	36.6	54.8

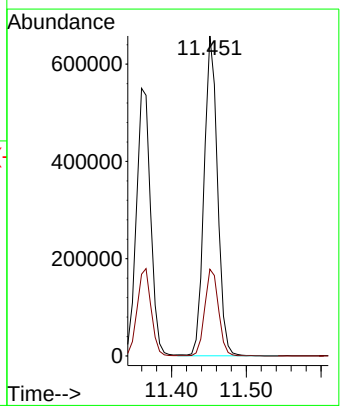


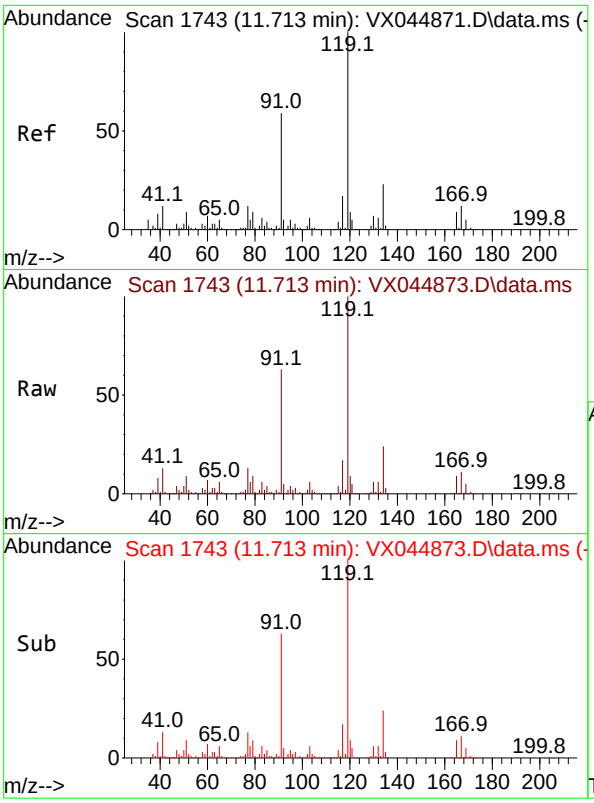


#82
4-Chlorotoluene
Concen: 152.602 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 818099

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.2	42.6



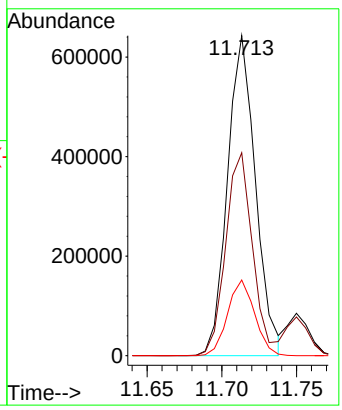


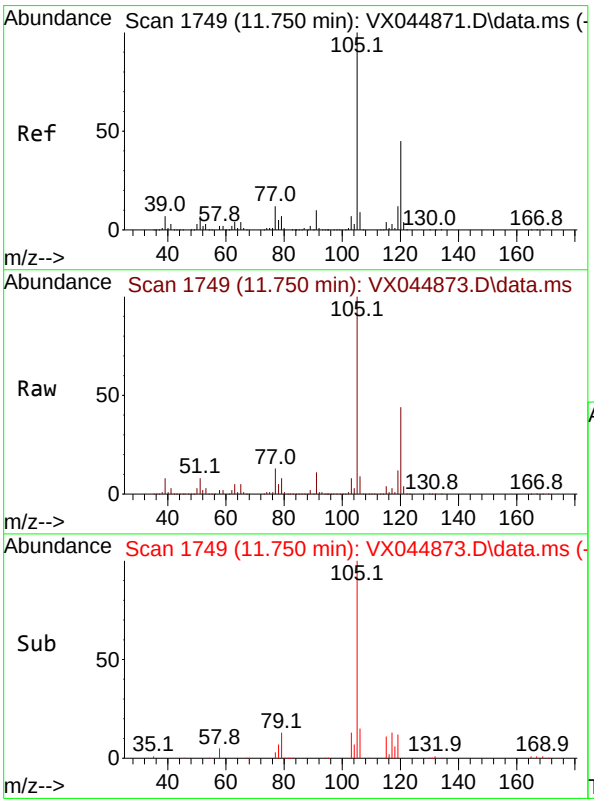
#83
tert-Butylbenzene
Concen: 149.610 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 838979

Ion	Ratio	Lower	Upper
119	100		
91	61.1	29.1	87.4
134	22.9	11.5	34.5

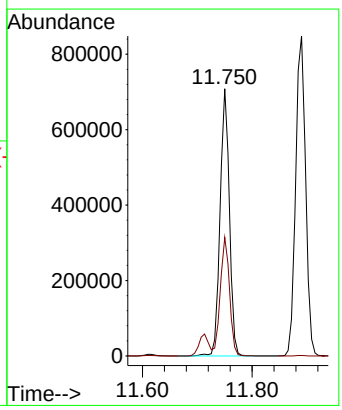


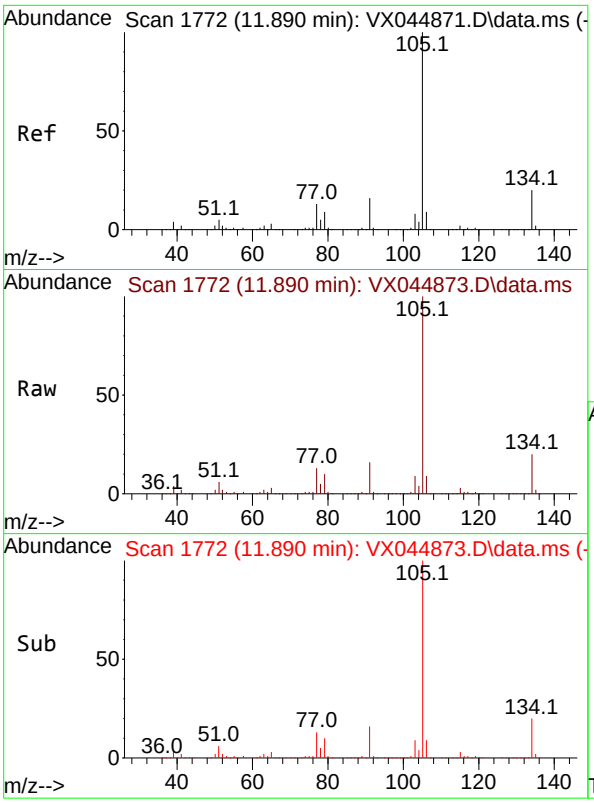


#84
1,2,4-Trimethylbenzene
Concen: 153.274 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 838584

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.4	67.0



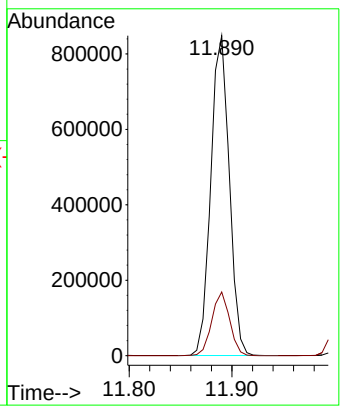


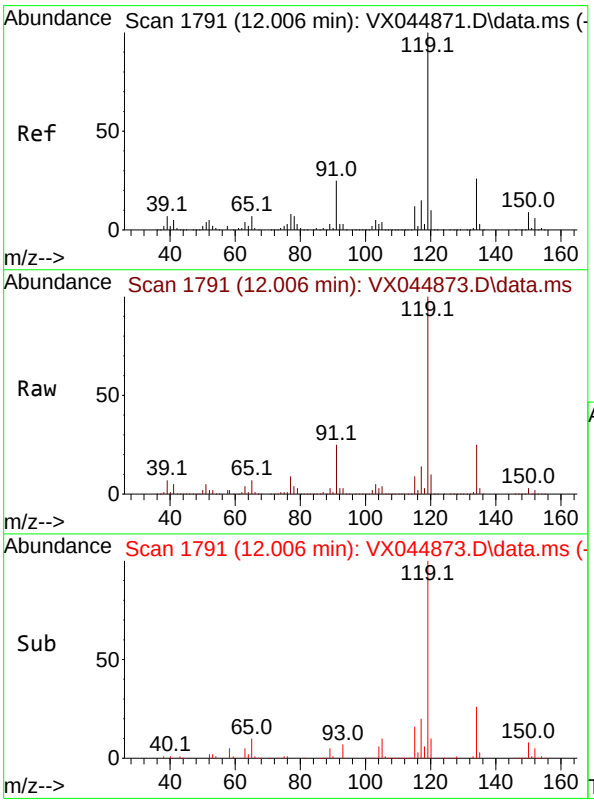
#85
sec-Butylbenzene
Concen: 152.806 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1061101

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.3

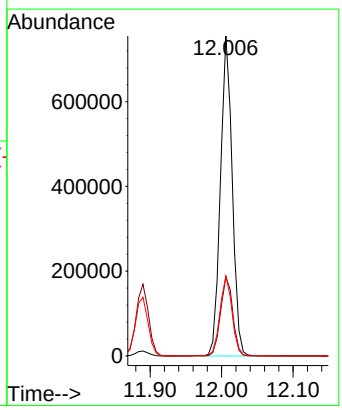


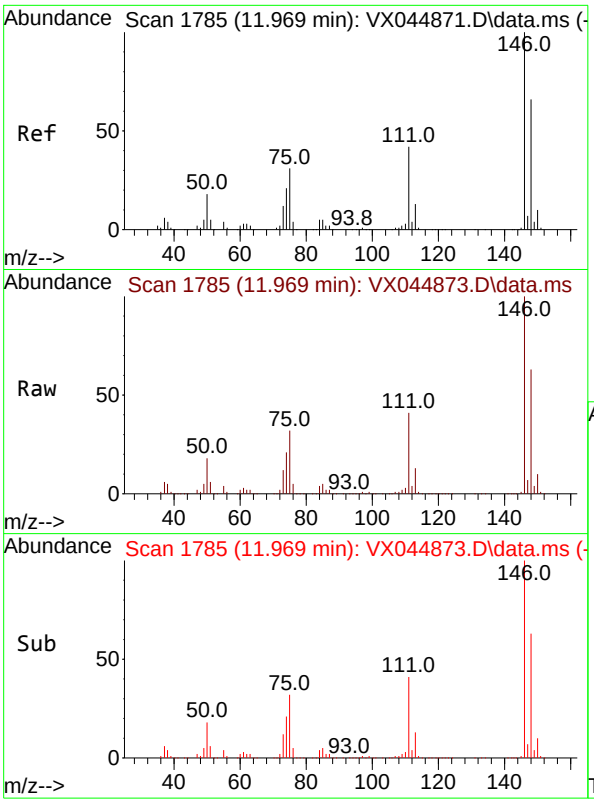


#86
p-Isopropyltoluene
Concen: 154.987 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:119 Resp: 865491

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	25.3	12.1	36.3



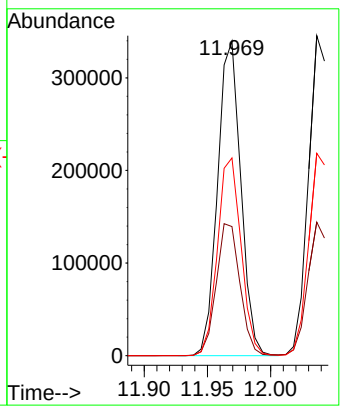


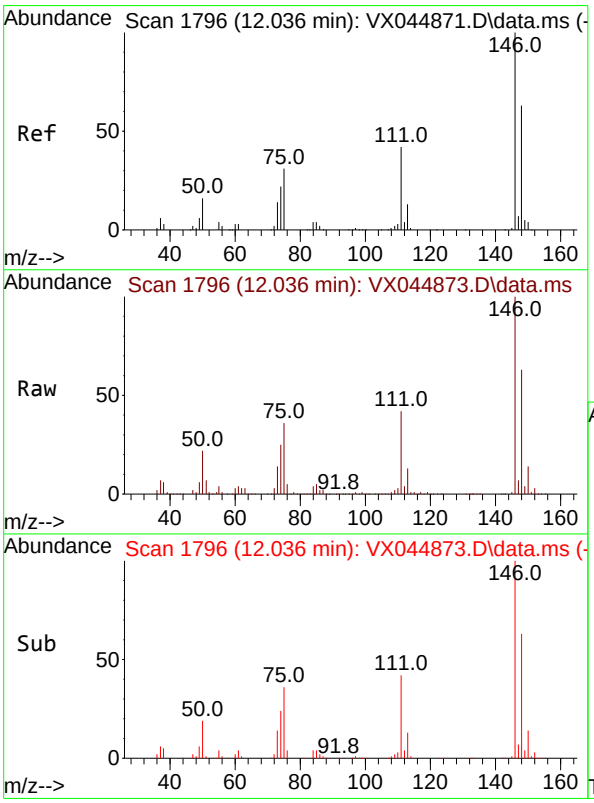
#87
1,3-Dichlorobenzene
Concen: 152.175 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 433384

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	63.9	32.5	97.5

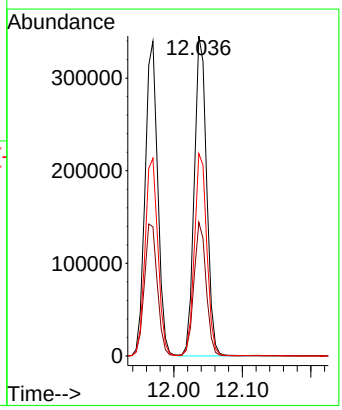


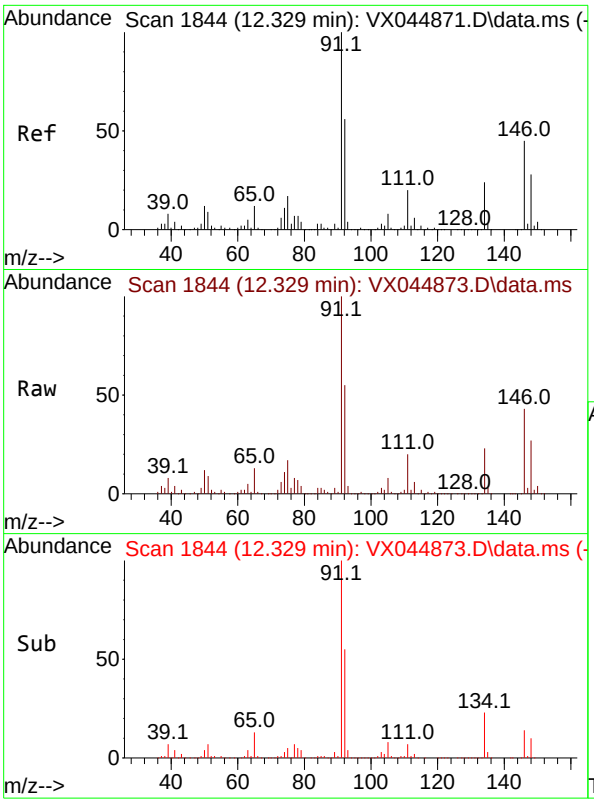


#88
1,4-Dichlorobenzene
Concen: 150.362 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:146 Resp: 432987

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.7	32.0	96.0



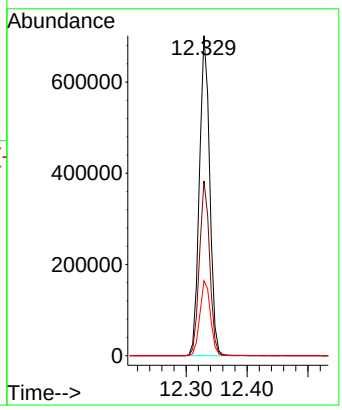


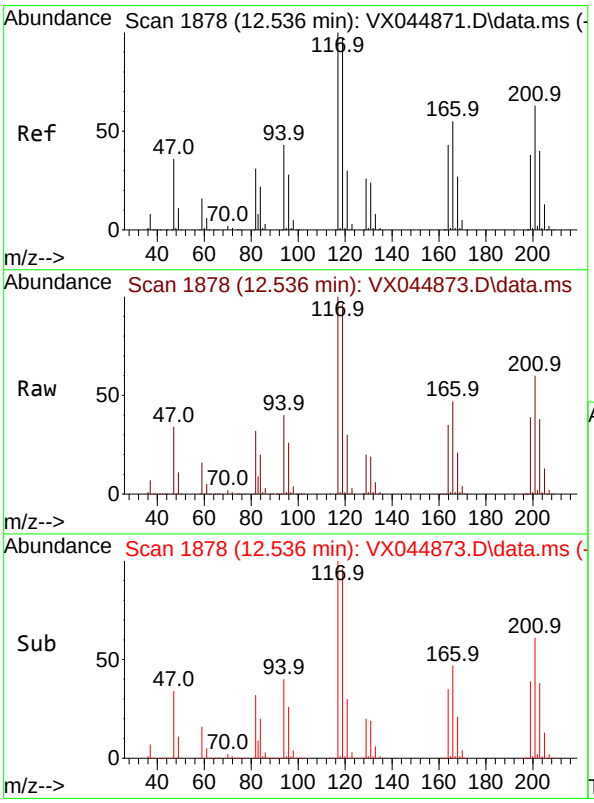
#89
n-Butylbenzene
Concen: 167.469 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 827359

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	24.0	12.1	36.3

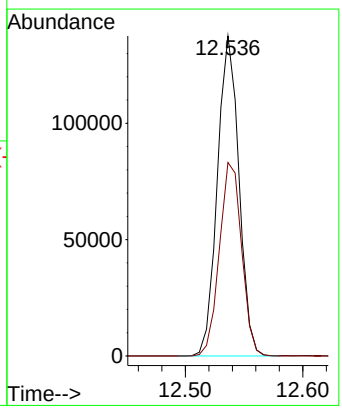


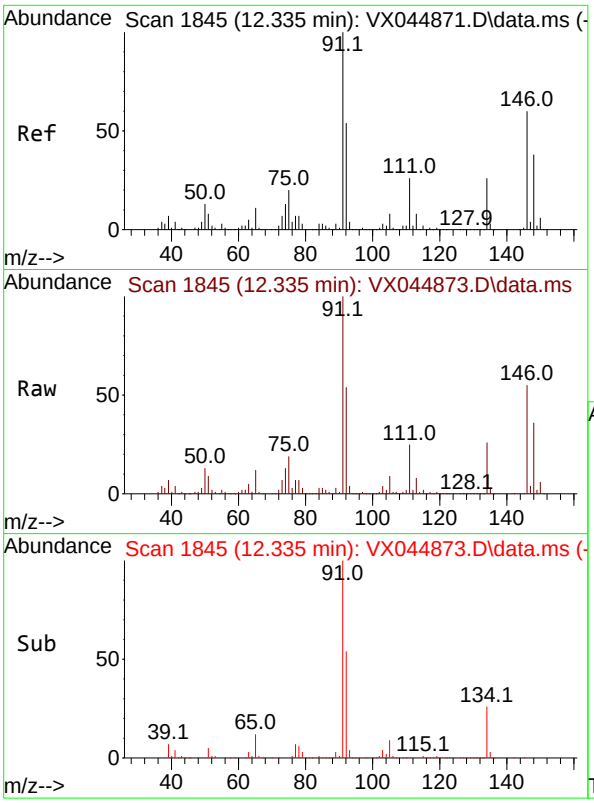


#90
Hexachloroethane
Concen: 167.760 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:117 Resp: 175414

Ion	Ratio	Lower	Upper
117	100		
201	62.4	32.5	97.5



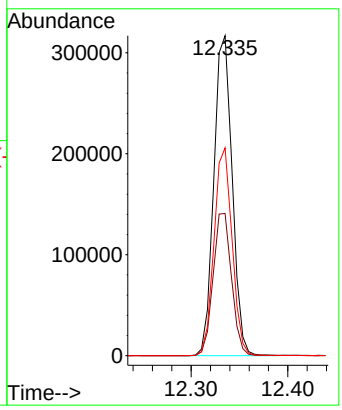


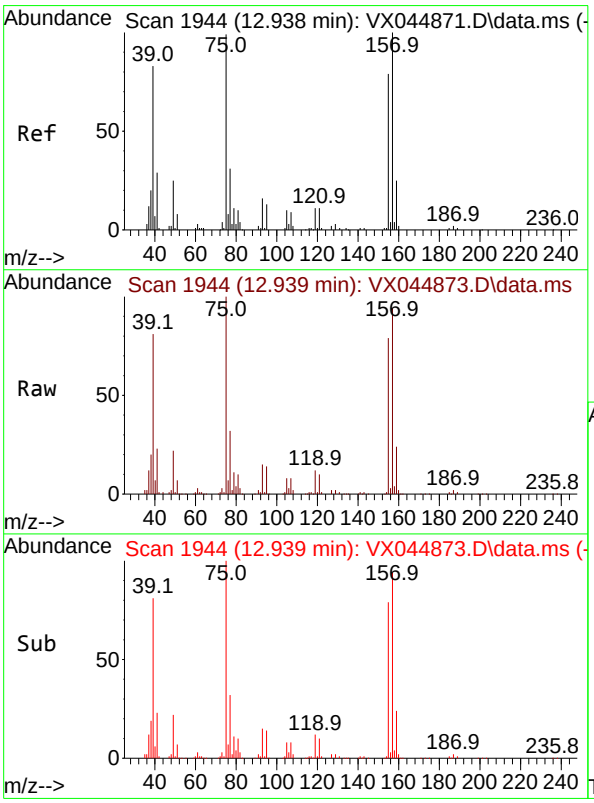
#91
1,2-Dichlorobenzene
Concen: 149.042 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 417167

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.8	65.4
148	64.1	31.9	95.9

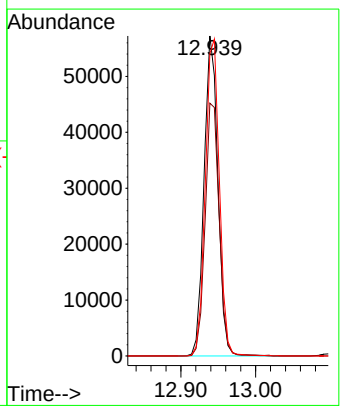


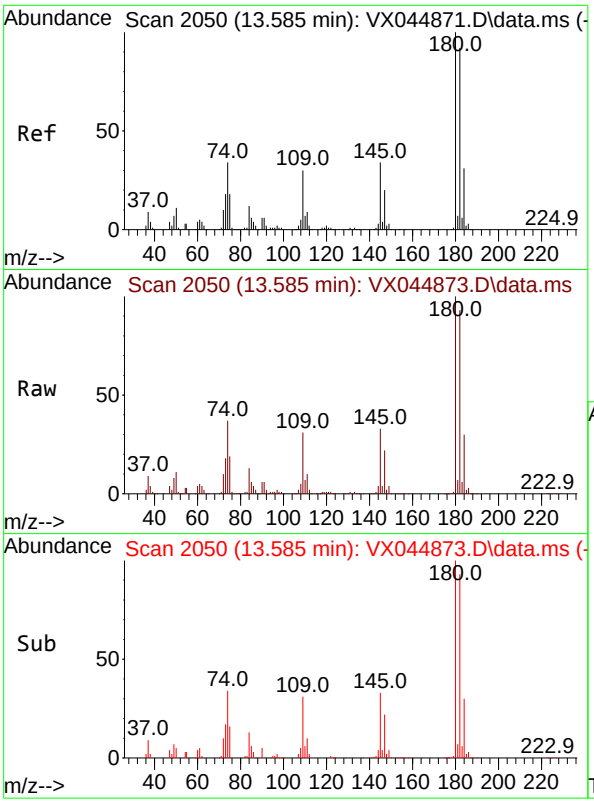


#92
1,2-Dibromo-3-Chloropropane
Concen: 171.783 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 73593

Ion	Ratio	Lower	Upper
75	100		
155	80.1	40.5	121.4
157	100.5	51.4	154.3



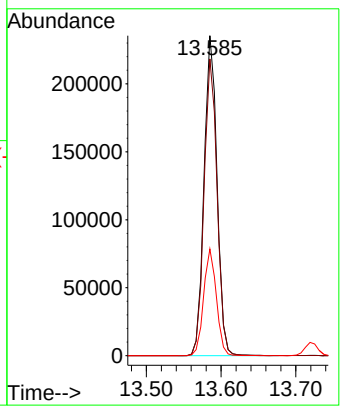


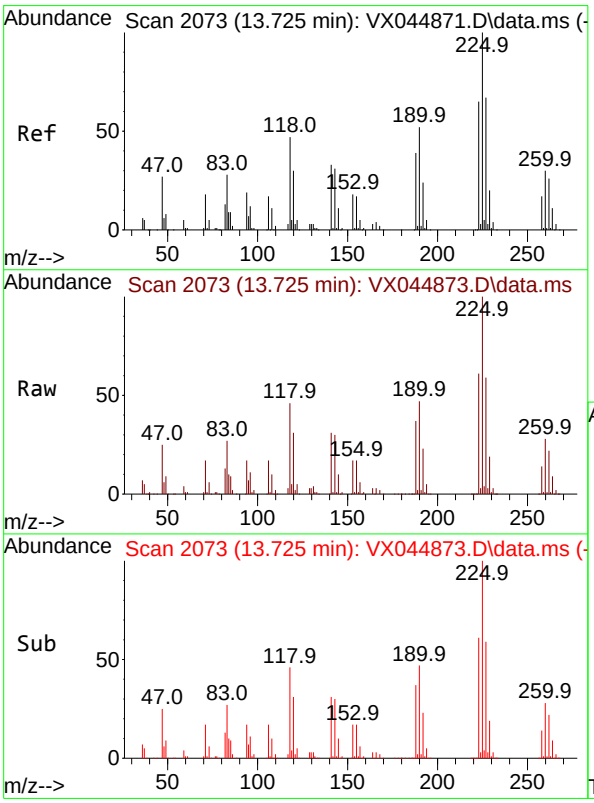
#93
1,2,4-Trichlorobenzene
Concen: 167.095 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 283004

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.6	142.8
145	32.8	16.4	49.1

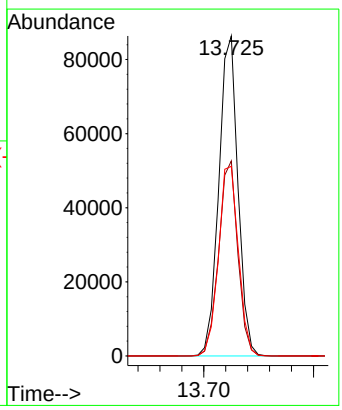


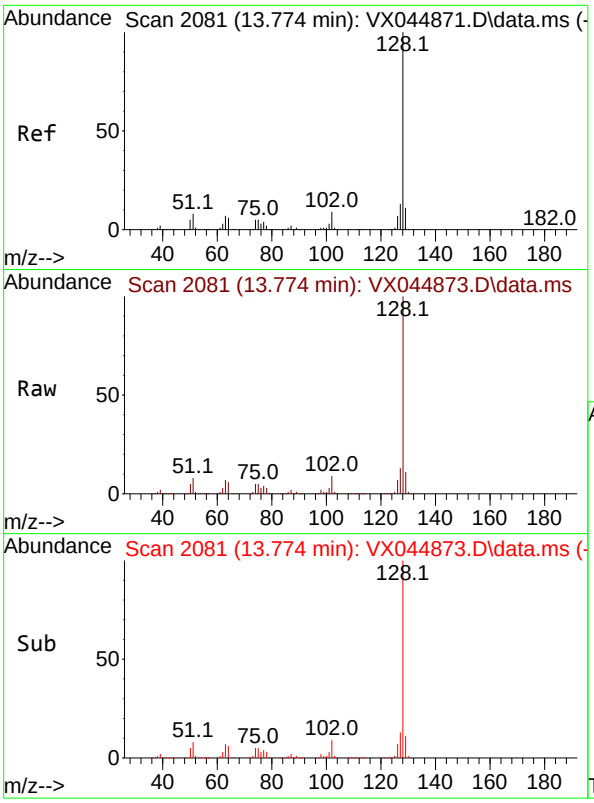


#94
Hexachlorobutadiene
Concen: 155.682 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:225 Resp: 104674

Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.4	94.2
227	61.9	32.3	96.8



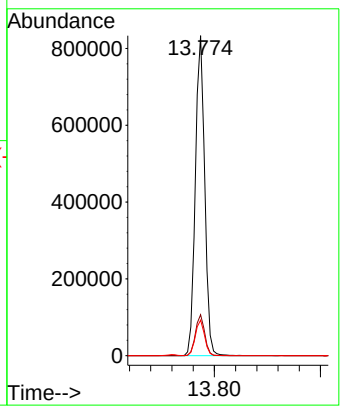


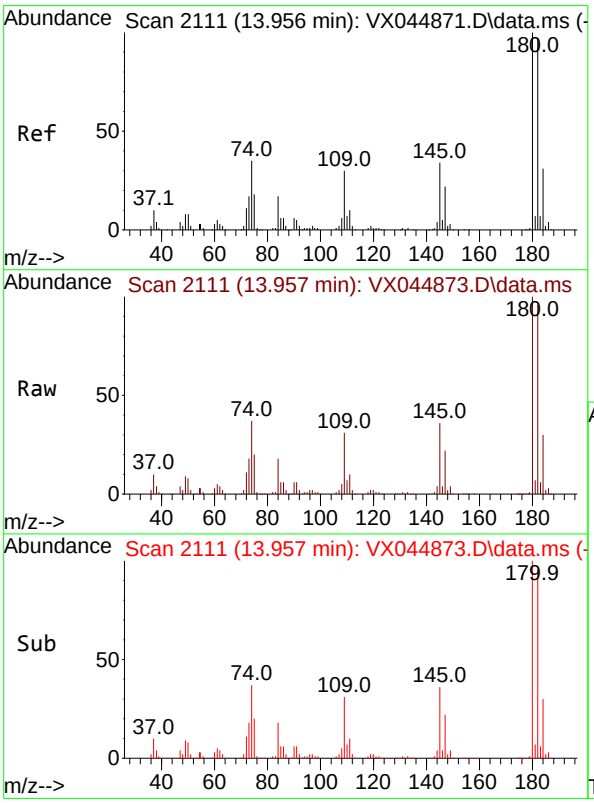
#95
Naphthalene
Concen: 165.916 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1015801

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.0	8.9	13.3

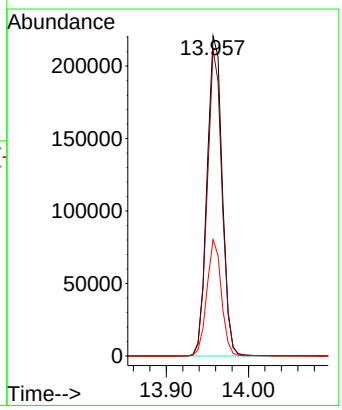




#96
1,2,3-Trichlorobenzene
Concen: 165.408 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:180 Resp: 282289

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.6
145	34.9	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	135936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95635	48.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.120%			
35) Dibromofluoromethane	5.379	113	78360	49.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.647	98	299178	49.649	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.300%			
62) 4-Bromofluorobenzene	11.079	95	105201	51.786	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	93752	49.173	ug/l	99
3) Chloromethane	1.300	50	110431	47.590	ug/l	98
4) Vinyl Chloride	1.374	62	105730	47.033	ug/l	100
5) Bromomethane	1.593	94	31428	46.719	ug/l	97
6) Chloroethane	1.660	64	37913	42.198	ug/l	99
7) Trichlorofluoromethane	1.867	101	138044	48.558	ug/l	97
8) Diethyl Ether	2.130	74	49018	47.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	86892	50.588	ug/l	98
10) Methyl Iodide	2.447	142	111488	50.082	ug/l	100
11) Tert butyl alcohol	2.983	59	92949	251.791	ug/l	100
12) 1,1-Dichloroethene	2.306	96	83987	47.935	ug/l	95
13) Acrolein	2.233	56	91744	240.879	ug/l	98
14) Allyl chloride	2.654	41	155084	48.976	ug/l	99
15) Acrylonitrile	3.062	53	247921	251.537	ug/l	99
16) Acetone	2.379	43	205743	257.198	ug/l	98
17) Carbon Disulfide	2.501	76	237694	49.472	ug/l	100
18) Methyl Acetate	2.703	43	126015	49.920	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	275685	49.453	ug/l	99
20) Methylene Chloride	2.782	84	94006	47.978	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	84720	49.129	ug/l	98
22) Diisopropyl ether	3.757	45	300357	50.138	ug/l	98
23) Vinyl Acetate	3.715	43	1257431	257.465	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165351	49.329	ug/l	99
25) 2-Butanone	4.556	43	335358	258.175	ug/l	97
26) 2,2-Dichloropropane	4.464	77	133670	50.285	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	102518	49.493	ug/l	99
28) Bromochloromethane	4.891	49	72893	45.250	ug/l	99
29) Tetrahydrofuran	5.001	42	218496	253.318	ug/l	100
30) Chloroform	5.086	83	157312	48.393	ug/l	98
31) Cyclohexane	5.458	56	152073	49.211	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	134626	48.825	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111968	48.702	ug/l	99
37) Ethyl Acetate	4.708	43	126071	49.300	ug/l	99
38) Carbon Tetrachloride	5.672	117	110581	49.083	ug/l	97
39) Methylcyclohexane	7.372	83	158289	53.254	ug/l	98
40) Benzene	6.031	78	358365	49.919	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.910	41	73559	53.741 ug/l	99
42) 1,2-Dichloroethane	6.080	62	115339	50.410 ug/l	100
43) Isopropyl Acetate	6.336	43	213901	51.798 ug/l	100
44) Trichloroethene	7.116	130	81911	49.917 ug/l	99
45) 1,2-Dichloropropane	7.427	63	89992	50.387 ug/l	98
46) Dibromomethane	7.580	93	61360	49.540 ug/l	99
47) Bromodichloromethane	7.818	83	122265	50.980 ug/l	99
48) Methyl methacrylate	7.690	41	102900	52.848 ug/l	99
49) 1,4-Dioxane	7.659	88	42658	1021.138 ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	665564	265.112 ug/l	100
52) Toluene	8.714	92	216682	50.680 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	130405	53.731 ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	143379	52.986 ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	83510	50.811 ug/l	100
56) Ethyl methacrylate	9.116	69	143524	54.068 ug/l	99
57) 1,3-Dichloropropane	9.305	76	146236	50.852 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	370622	284.352 ug/l	99
59) 2-Hexanone	9.427	43	488298	269.951 ug/l	99
60) Dibromochloromethane	9.518	129	90826	51.673 ug/l	99
61) 1,2-Dibromoethane	9.604	107	85683	51.436 ug/l	100
64) Tetrachloroethene	9.268	164	66468	49.424 ug/l	98
65) Chlorobenzene	10.079	112	233373	50.952 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	75488	51.205 ug/l	98
67) Ethyl Benzene	10.189	91	415575	51.415 ug/l	99
68) m/p-Xylenes	10.299	106	310925	104.282 ug/l	100
69) o-Xylene	10.640	106	151995	50.804 ug/l	100
70) Styrene	10.652	104	257972	53.521 ug/l	100
71) Bromoform	10.799	173	59409	53.997 ug/l #	100
73) Isopropylbenzene	10.957	105	390246	49.921 ug/l	100
74) N-amyl acetate	10.841	43	186145	52.621 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	129829	48.331 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	143167	66.510 ug/l	83
77) Bromobenzene	11.195	156	88129	49.725 ug/l	100
78) n-propylbenzene	11.299	91	463655	51.386 ug/l	99
79) 2-Chlorotoluene	11.360	91	272091	49.065 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	323251	50.956 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	44070	52.665 ug/l	99
82) 4-Chlorotoluene	11.451	91	312112	50.872 ug/l	100
83) tert-Butylbenzene	11.713	119	321772	50.139 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	323035	51.593 ug/l	100
85) sec-Butylbenzene	11.890	105	410197	51.617 ug/l	100
86) p-Isopropyltoluene	12.006	119	336027	52.581 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	164508	50.475 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	163203	49.526 ug/l	100
89) n-Butylbenzene	12.329	91	311764	55.142 ug/l	100
90) Hexachloroethane	12.536	117	61016	50.990 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	161590	50.447 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25339	51.684 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	102197	52.726 ug/l	99
94) Hexachlorobutadiene	13.719	225	38998	50.683 ug/l	98
95) Naphthalene	13.774	128	371576	53.033 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	100730	51.575 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

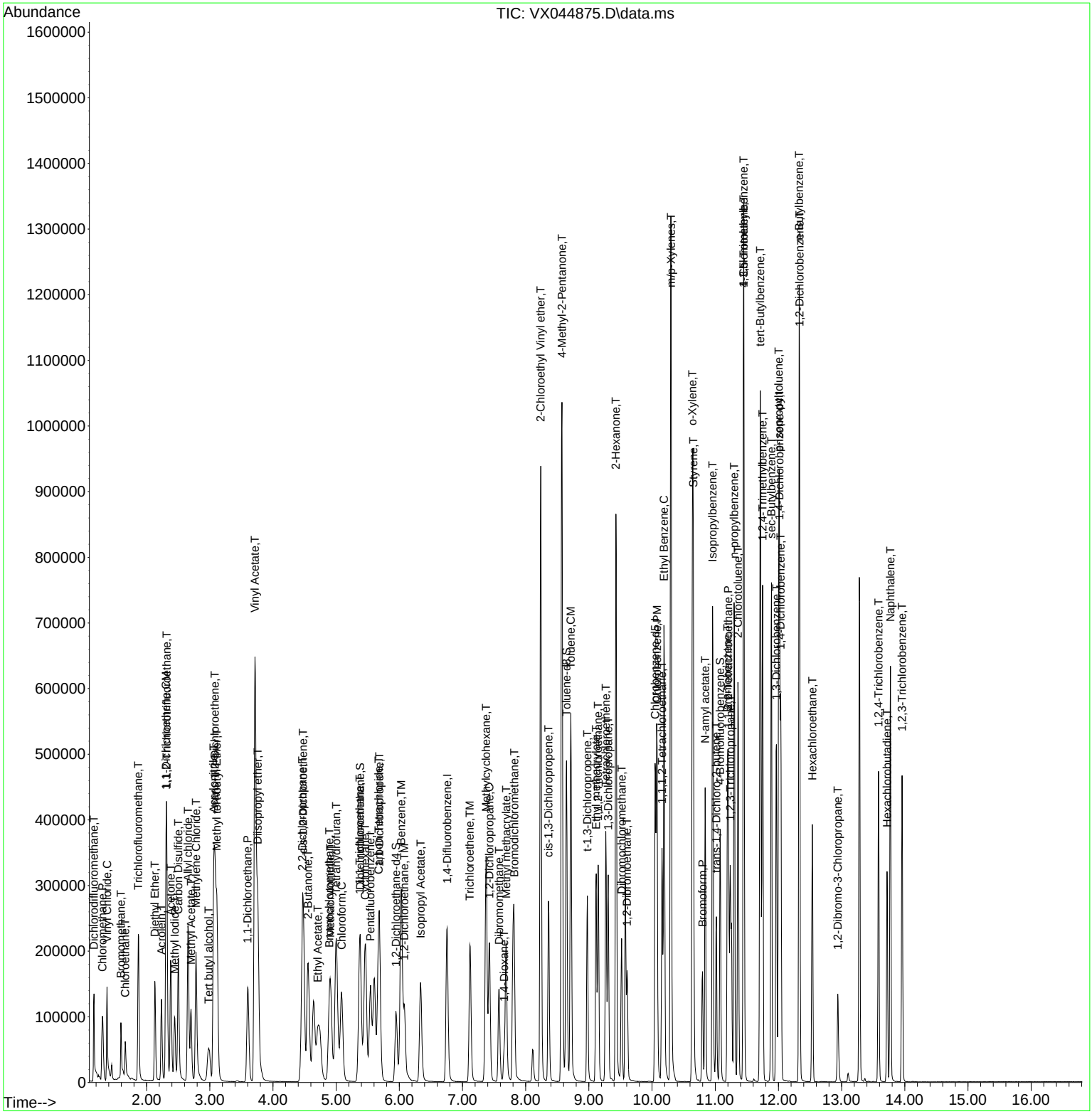
(#) = qualifier out of range (m) = manual integration (+) = signals summed

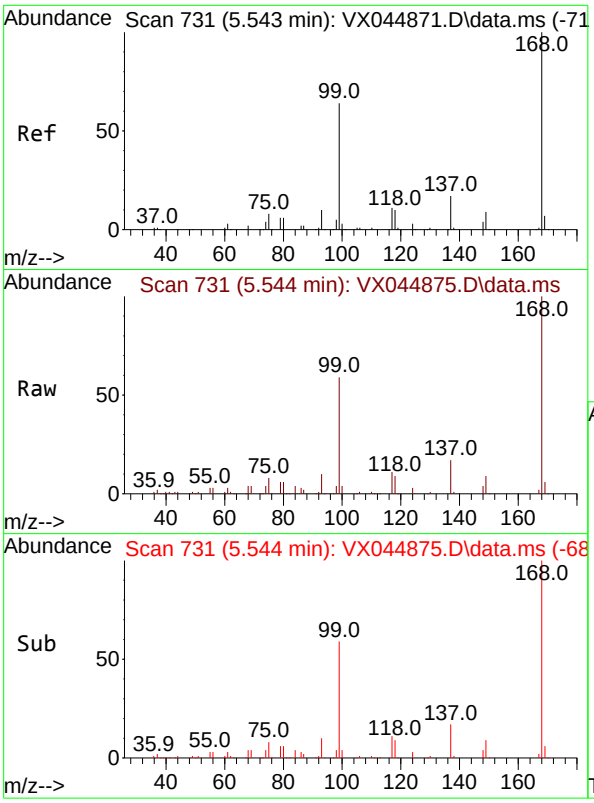
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



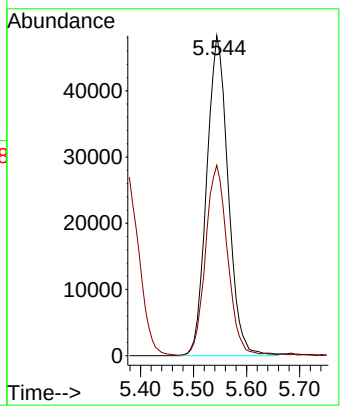


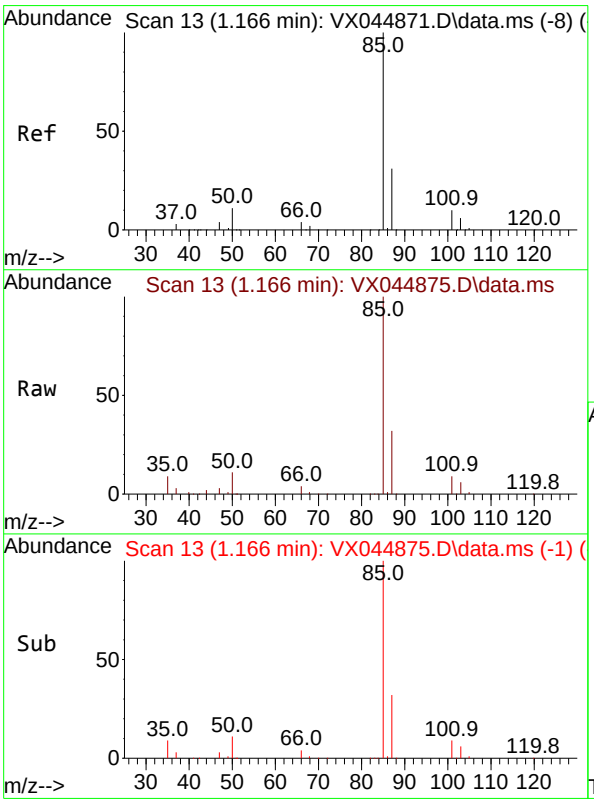
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:168 Resp: 135936

Ion	Ratio	Lower	Upper
168	100		
99	59.3	51.2	76.8

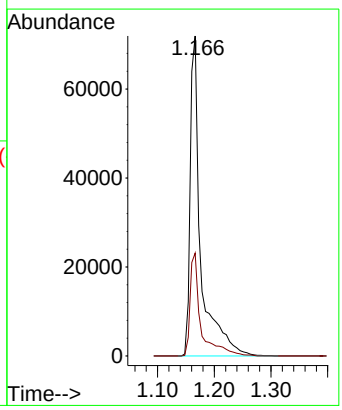


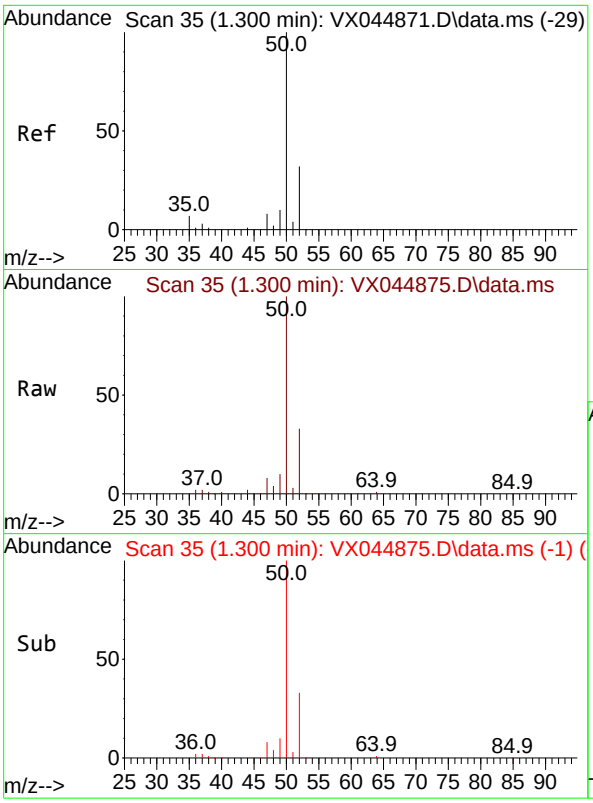


#2
Dichlorodifluoromethane
Concen: 49.173 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 85 Resp: 93752

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3



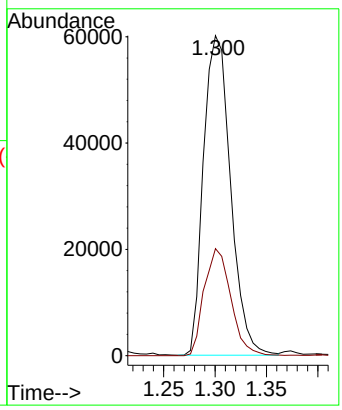


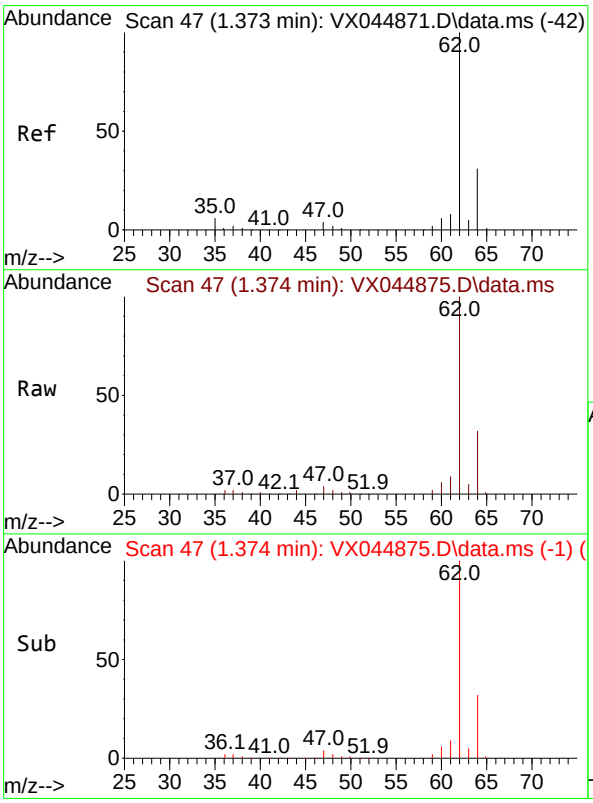
#3
Chloromethane
Concen: 47.590 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 50 Resp: 110431

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.9	38.9

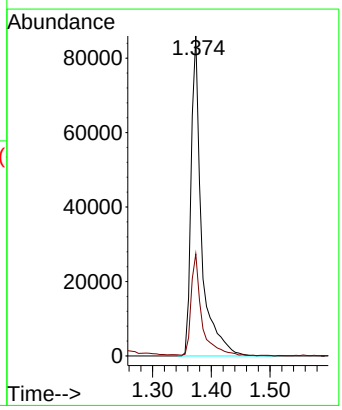


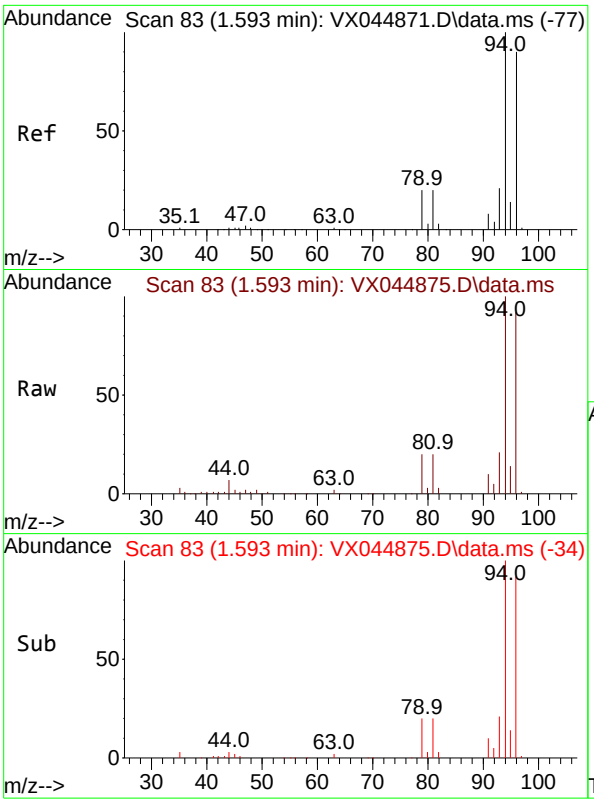


#4
Vinyl Chloride
Concen: 47.033 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 105730

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0



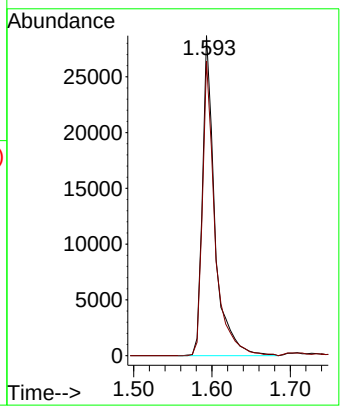


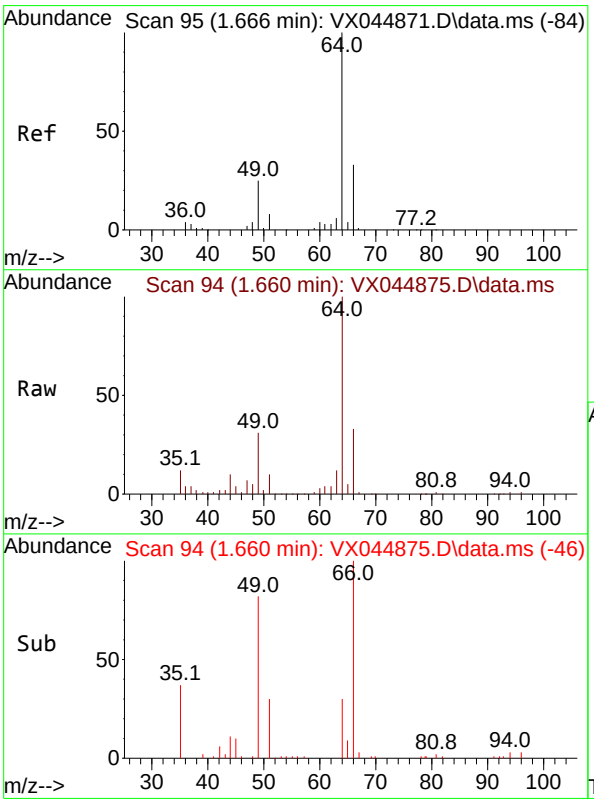
#5
Bromomethane
Concen: 46.719 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 94 Resp: 31428

Ion	Ratio	Lower	Upper
94	100		
96	92.0	71.6	107.4

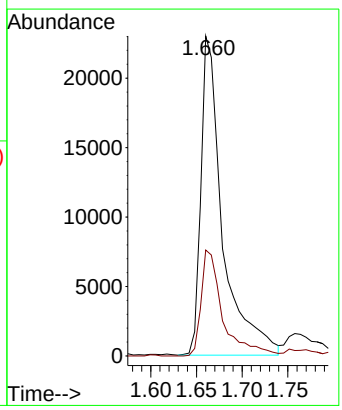


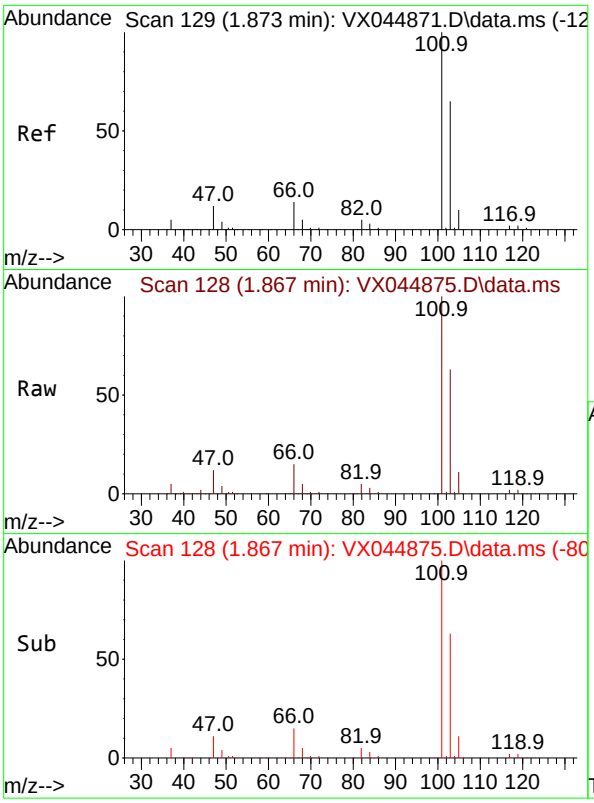


#6
Chloroethane
Concen: 42.198 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 64 Resp: 37913

Ion	Ratio	Lower	Upper
64	100		
66	33.2	25.9	38.9



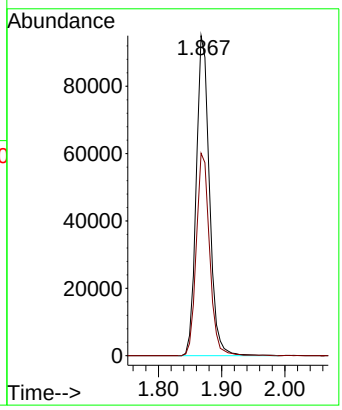


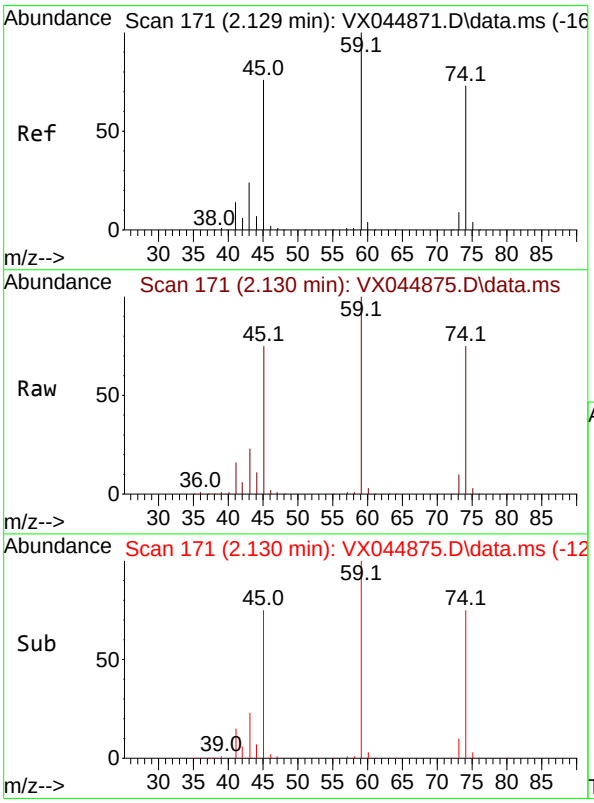
#7
Trichlorofluoromethane
Concen: 48.558 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:101 Resp: 138044

Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.4	78.6

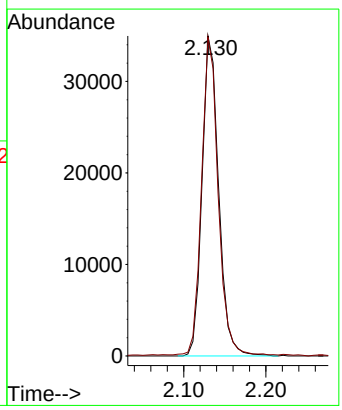


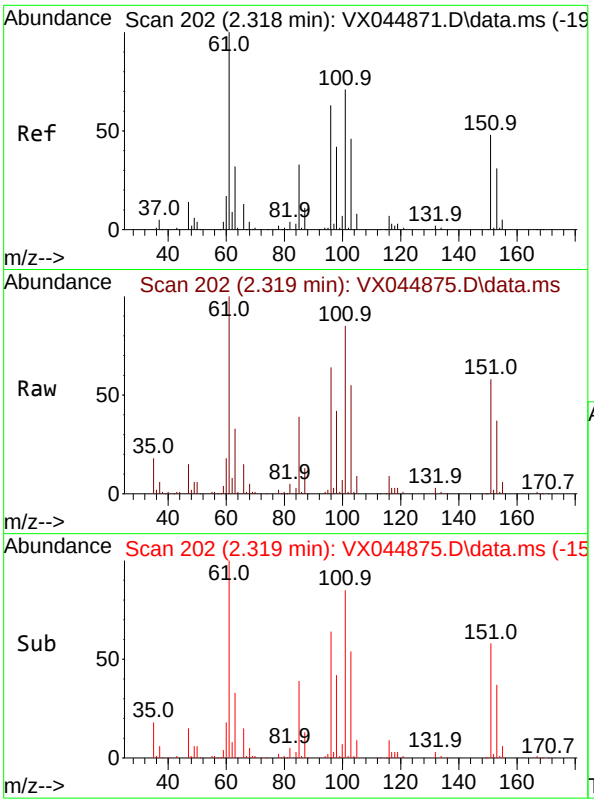


#8
Diethyl Ether
Concen: 47.544 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 74 Resp: 49018

Ion	Ratio	Lower	Upper
74	100		
45	98.9	51.1	153.4



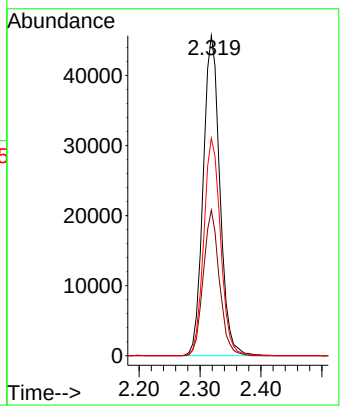


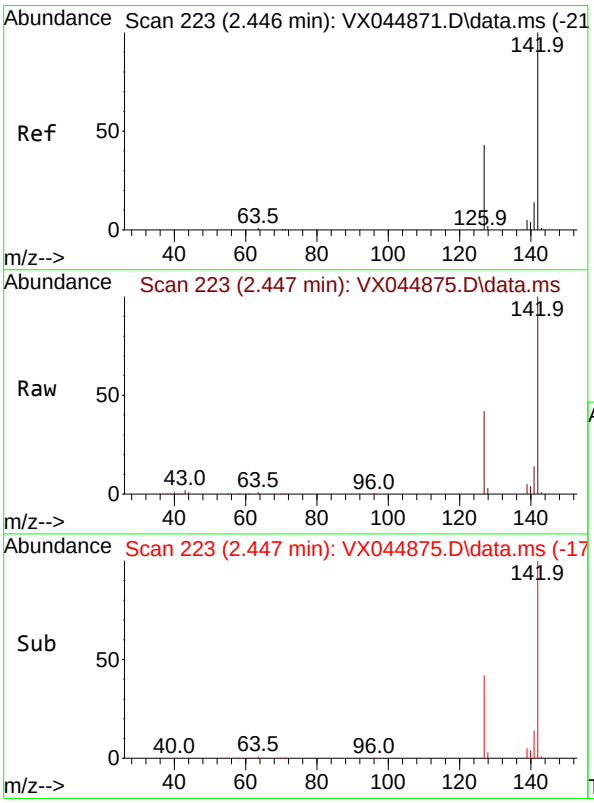
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.588 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:101 Resp: 86892

Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.7	53.5
151	68.4	56.0	84.0

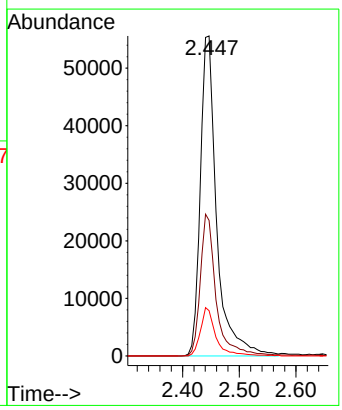


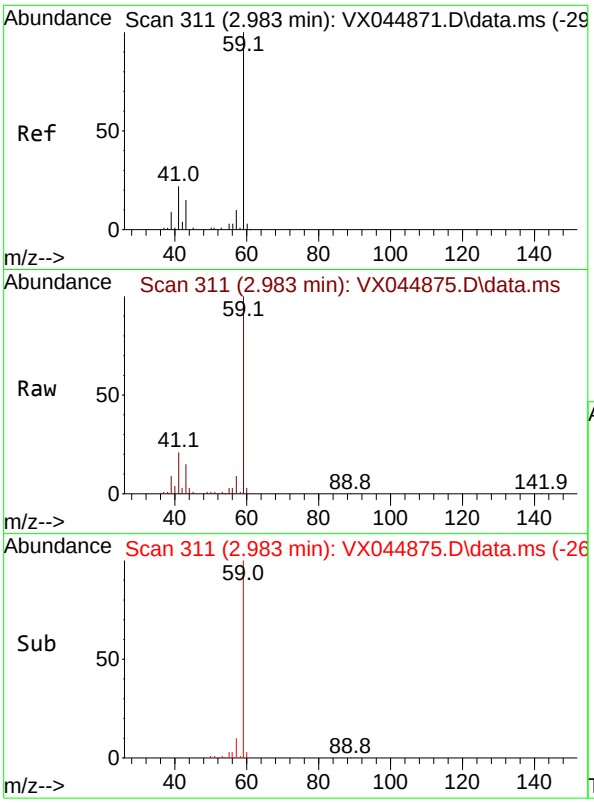


#10
Methyl Iodide
Concen: 50.082 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:142 Resp: 111488

Ion	Ratio	Lower	Upper
142	100		
127	43.1	34.3	51.5
141	14.3	11.4	17.2



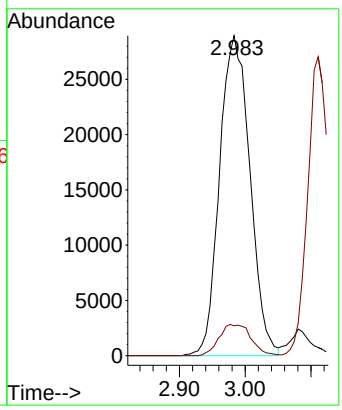


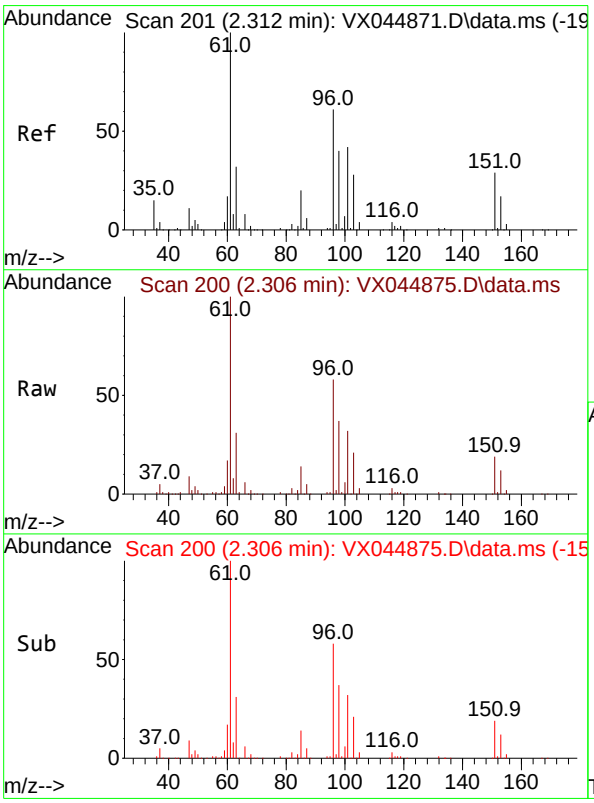
#11
Tert butyl alcohol
Concen: 251.791 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 59 Resp: 92949

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

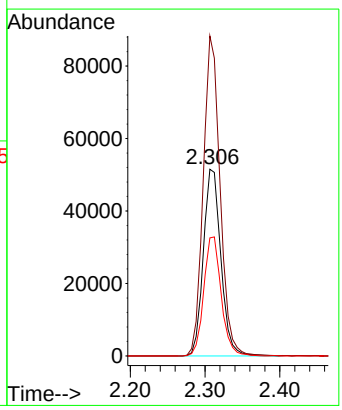


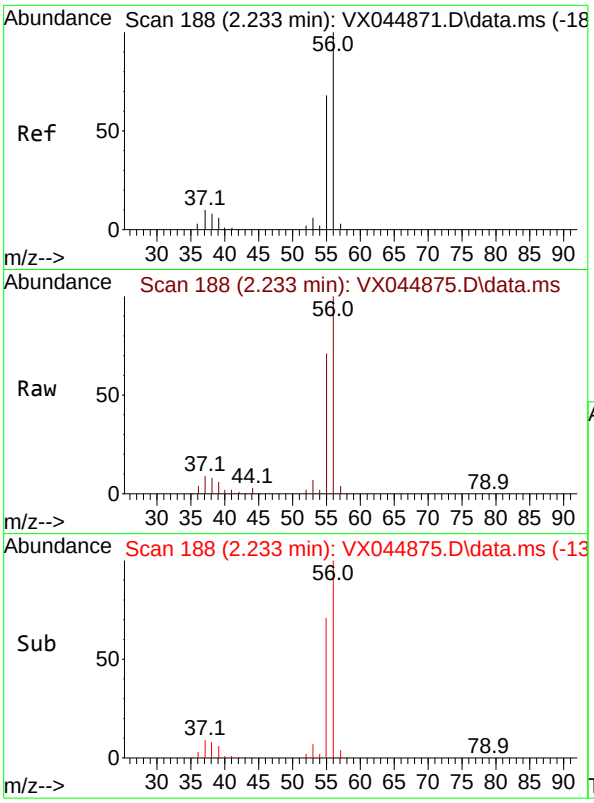


#12
1,1-Dichloroethene
Concen: 47.935 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 96 Resp: 83987

Ion	Ratio	Lower	Upper
96	100		
61	171.4	130.2	195.4
98	63.3	52.2	78.4



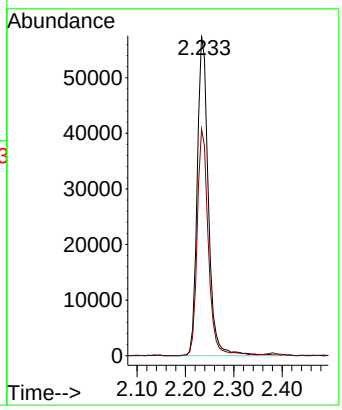


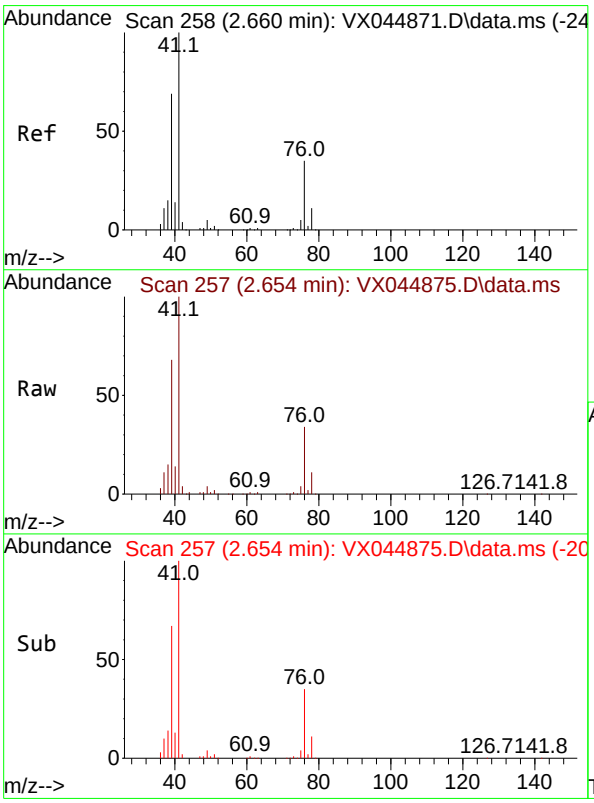
#13
Acrolein
Concen: 240.879 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 56 Resp: 91744

Ion	Ratio	Lower	Upper
56	100		
55	71.0	55.7	83.5

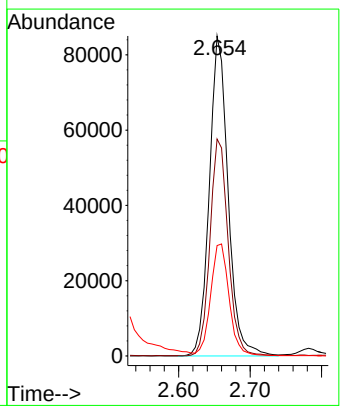


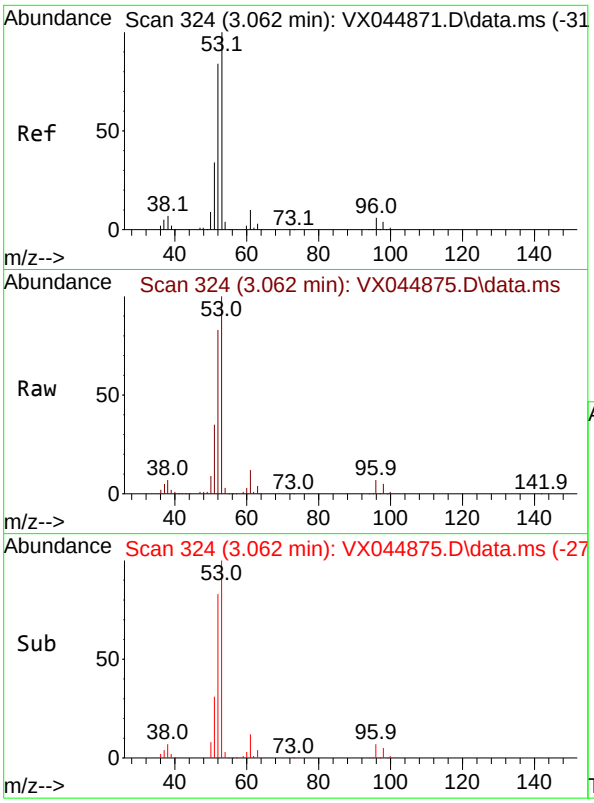


#14
Allyl chloride
Concen: 48.976 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 155084

Ion	Ratio	Lower	Upper
41	100		
39	65.4	51.4	77.2
76	34.2	27.0	40.4



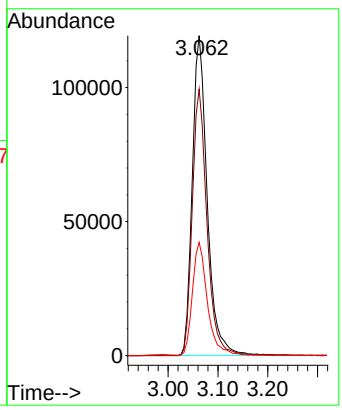


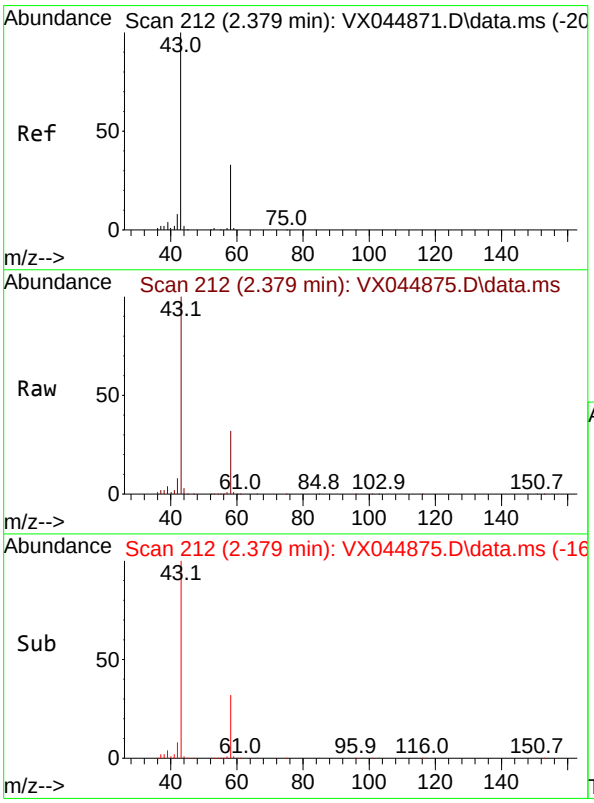
#15
Acrylonitrile
Concen: 251.537 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 53 Resp: 247921

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.7	28.0	42.0

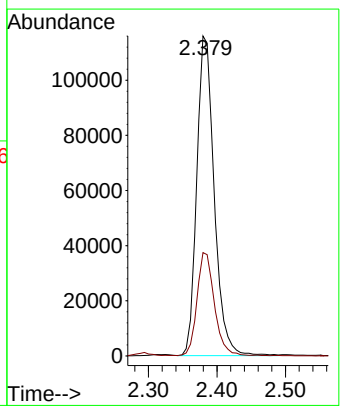


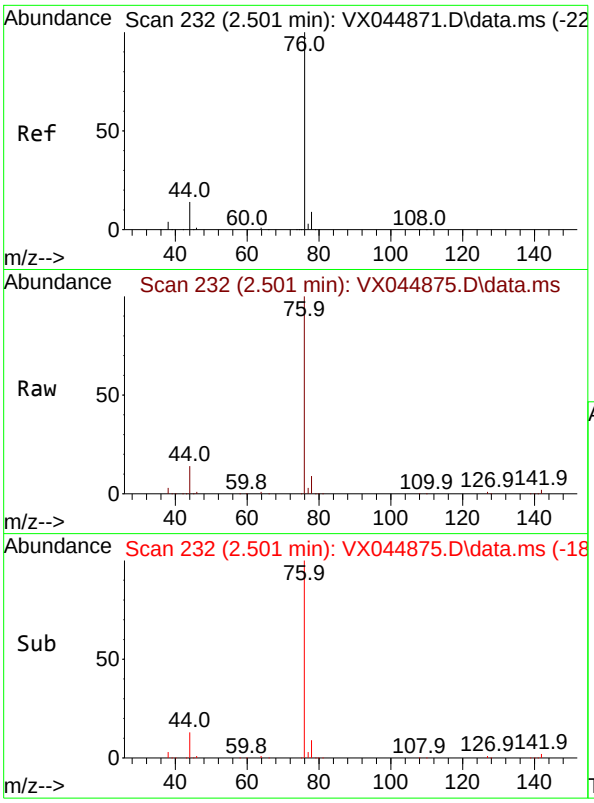


#16
Acetone
Concen: 257.198 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 205743

Ion	Ratio	Lower	Upper
43	100		
58	32.2	26.5	39.7



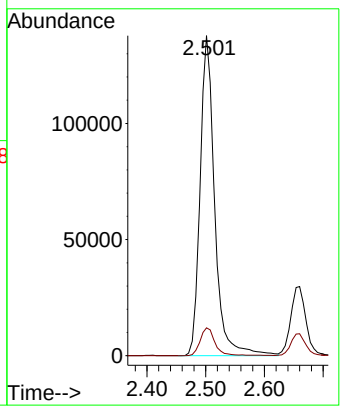


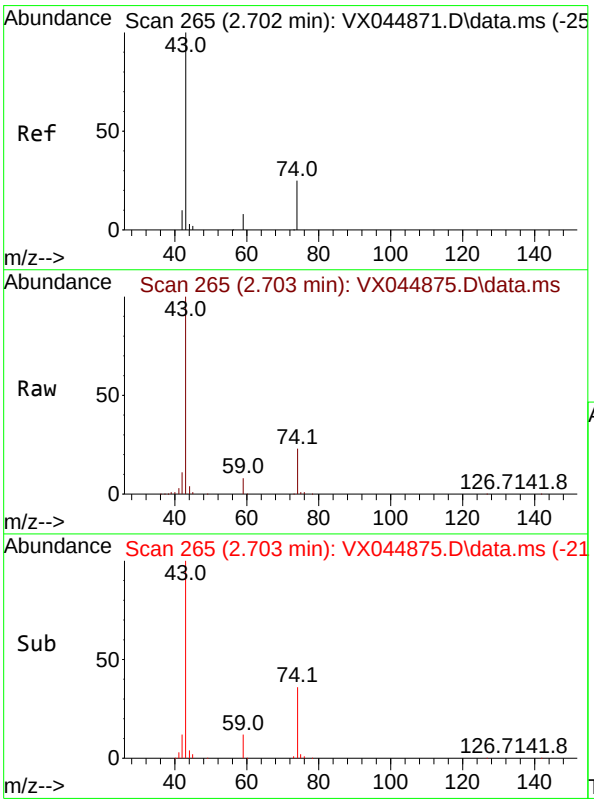
#17
Carbon Disulfide
Concen: 49.472 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 76 Resp: 237694

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

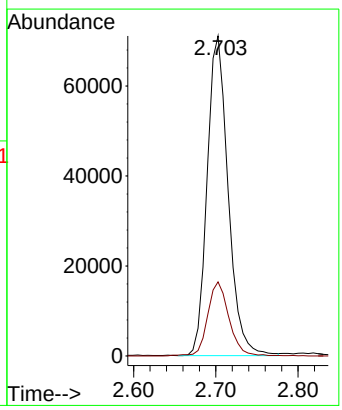


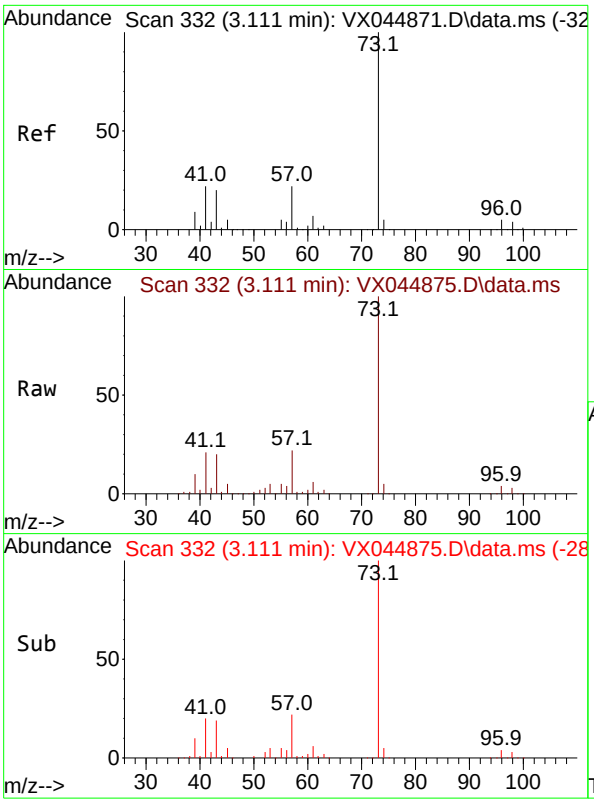


#18
Methyl Acetate
Concen: 49.920 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 126015

Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3



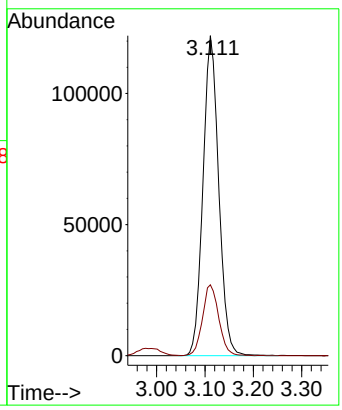


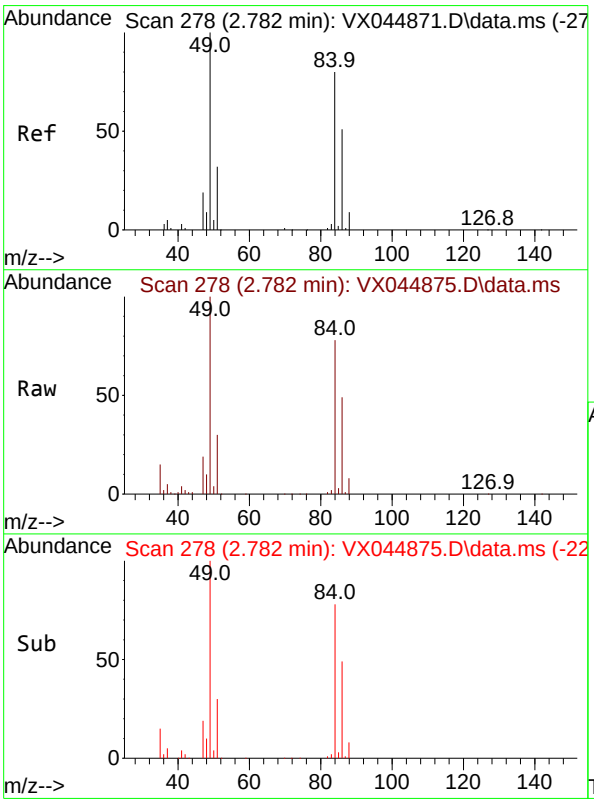
#19
Methyl tert-butyl Ether
Concen: 49.453 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 73 Resp: 275685

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

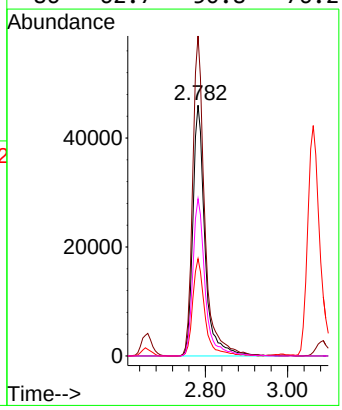


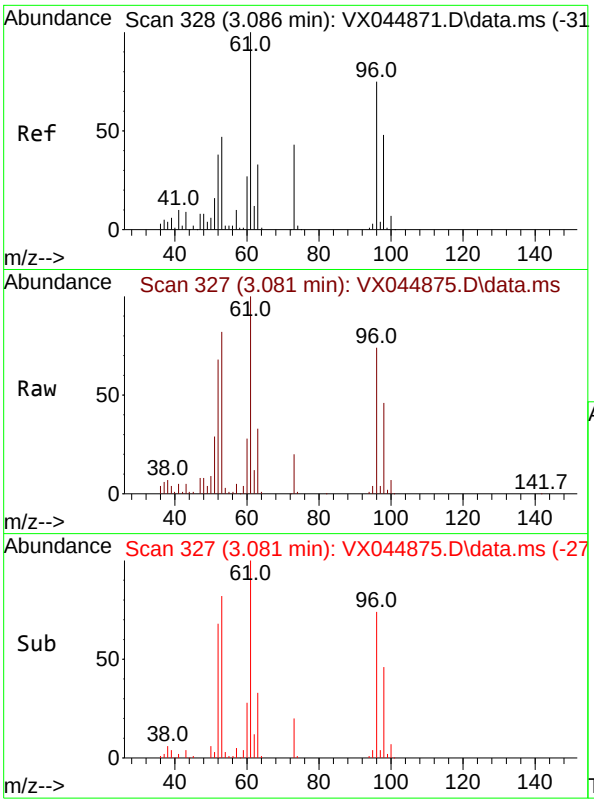


#20
Methylene Chloride
Concen: 47.978 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 84 Resp: 94006

Ion	Ratio	Lower	Upper
84	100		
49	127.6	100.1	150.1
51	38.8	31.7	47.5
86	62.7	50.8	76.2



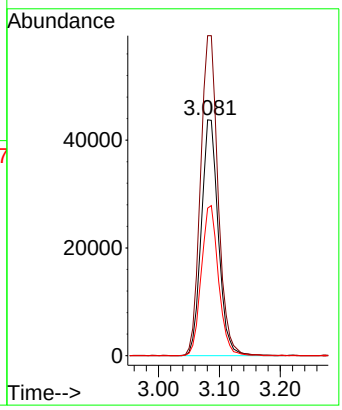


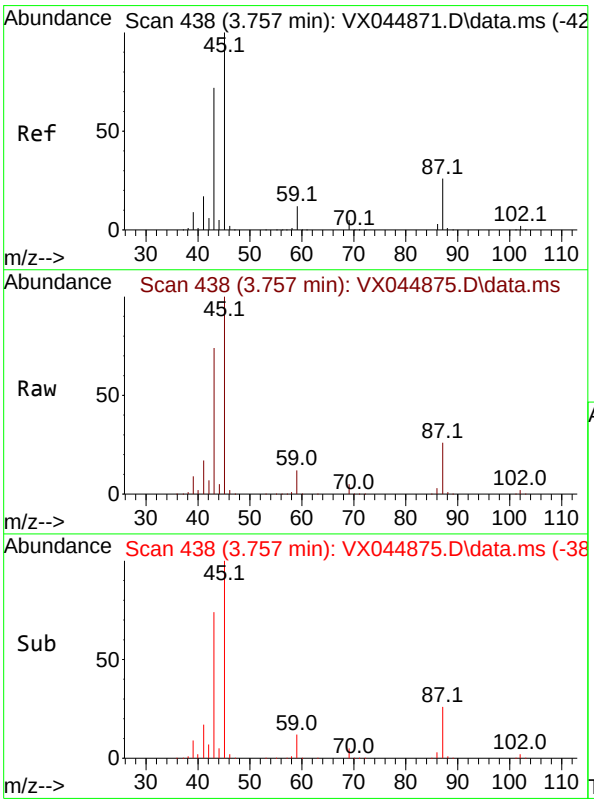
#21
trans-1,2-Dichloroethene
Concen: 49.129 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 96 Resp: 84720

Ion	Ratio	Lower	Upper
96	100		
61	135.7	106.0	159.0
98	62.5	50.6	76.0

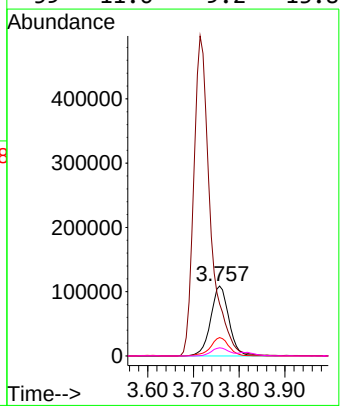


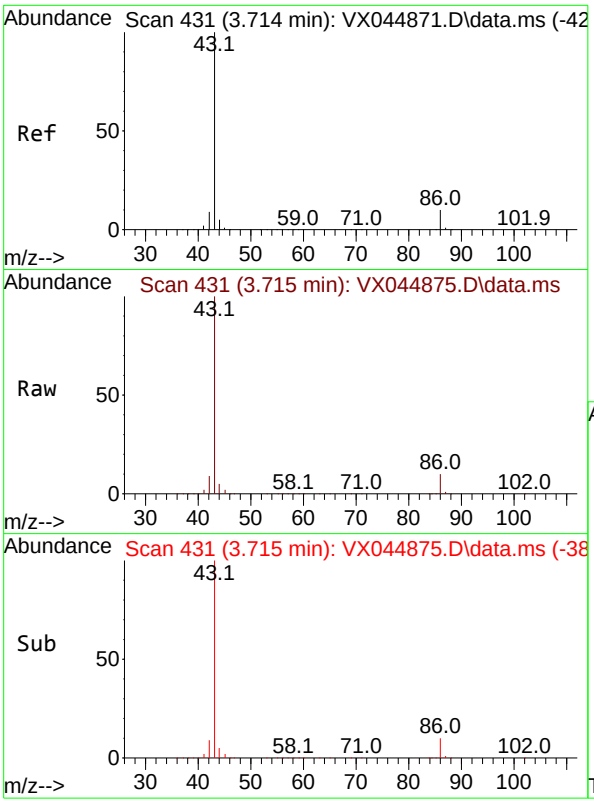


#22
Diisopropyl ether
Concen: 50.138 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 45 Resp: 300357

Ion	Ratio	Lower	Upper
45	100		
43	74.3	58.0	87.0
87	26.4	20.7	31.1
59	11.6	9.2	13.8



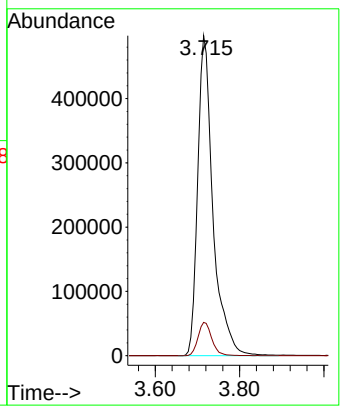


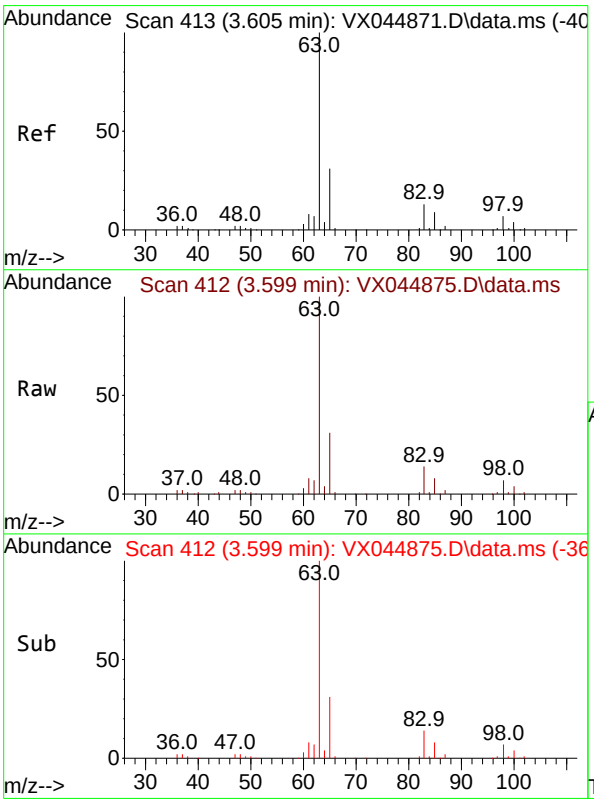
#23
Vinyl Acetate
Concen: 257.465 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 1257431

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

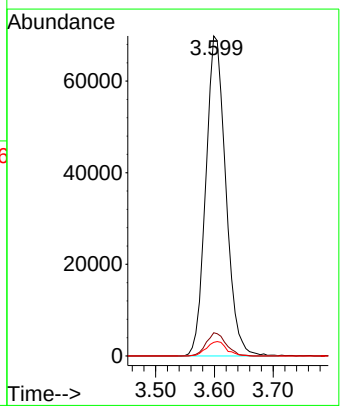


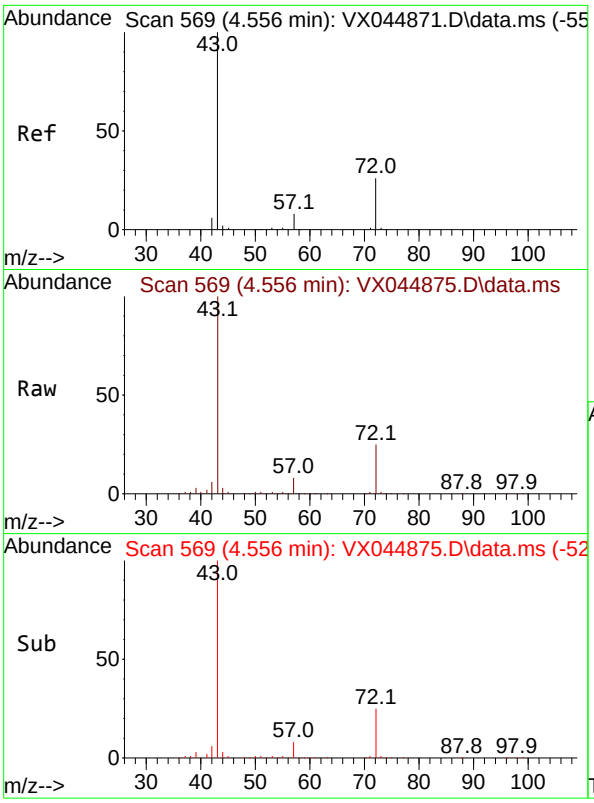


#24
1,1-Dichloroethane
Concen: 49.329 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 165351

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.3	9.9
100	4.2	2.1	6.5



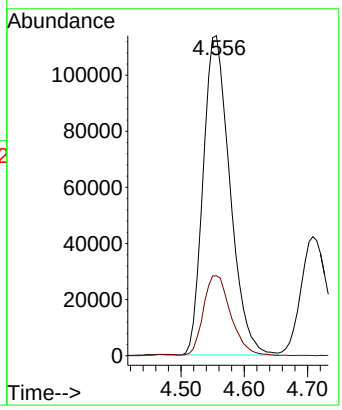


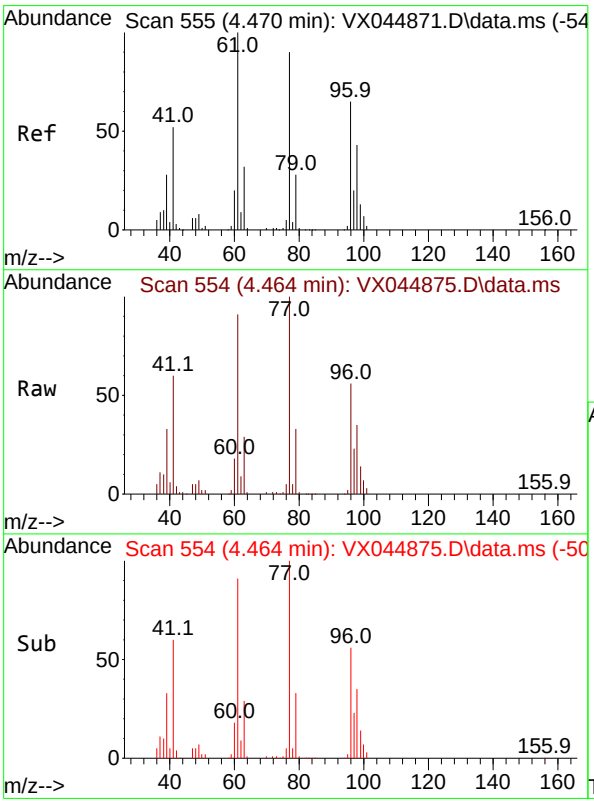
#25
2-Butanone
Concen: 258.175 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 335358

Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.2	31.8

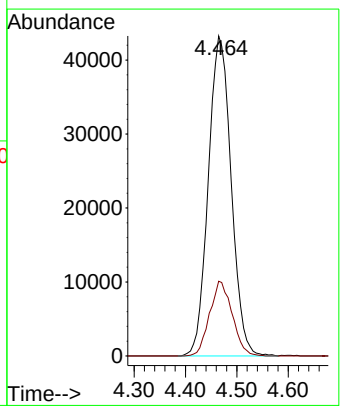


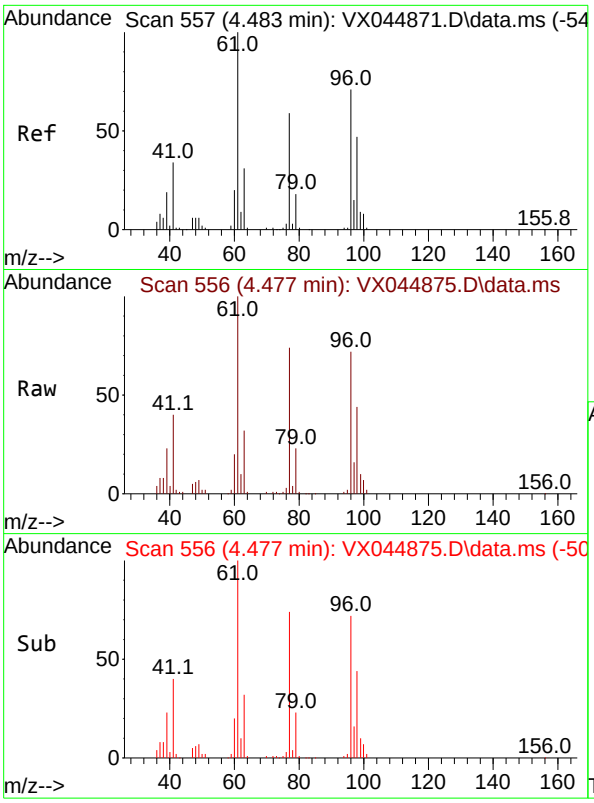


#26
2,2-Dichloropropane
Concen: 50.285 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 77 Resp: 133670

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.8	35.3



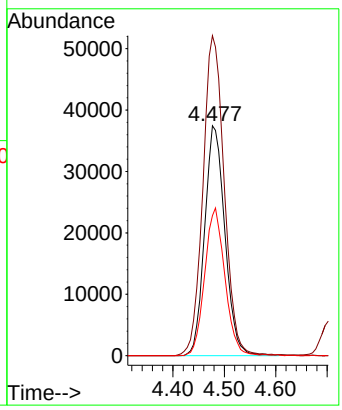


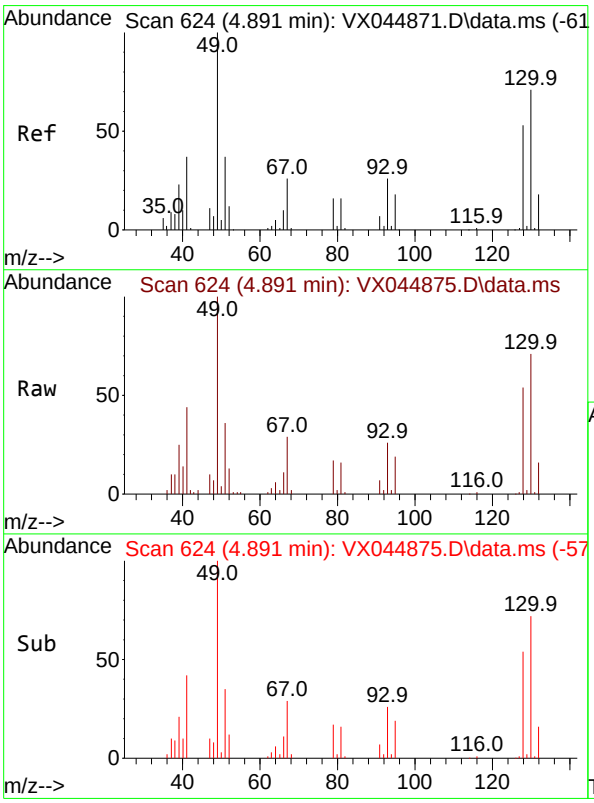
#27
cis-1,2-Dichloroethene
Concen: 49.493 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 96 Resp: 102518

Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	294.0
98	63.9	0.0	131.2

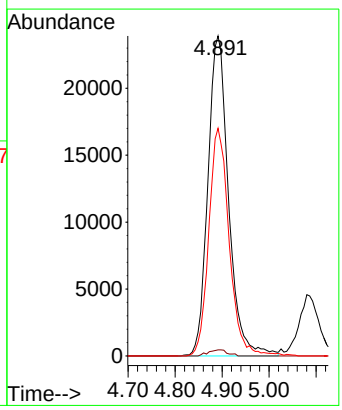


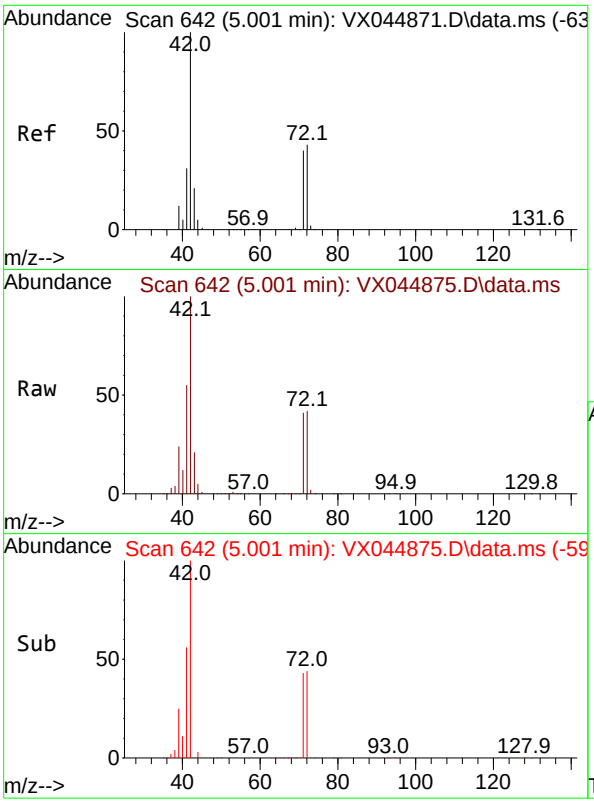


#28
Bromochloromethane
Concen: 45.250 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 49 Resp: 72893

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	70.3	56.7	85.1



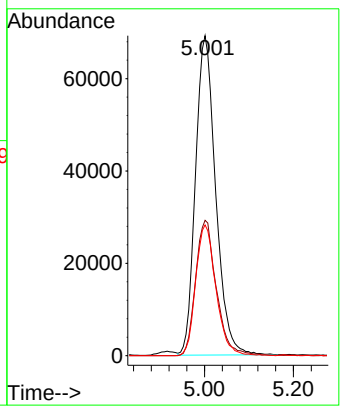


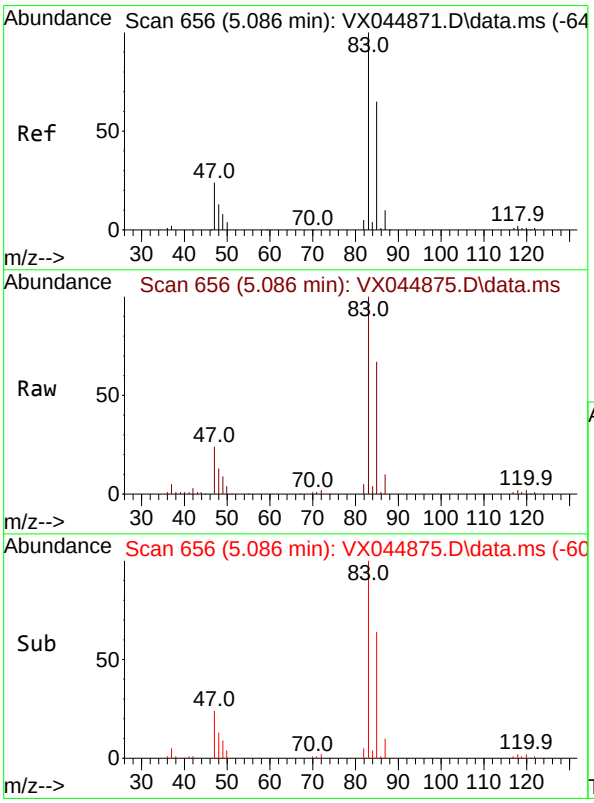
#29
Tetrahydrofuran
Concen: 253.318 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 42 Resp: 218496

Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.0	52.4
71	41.1	32.6	48.8

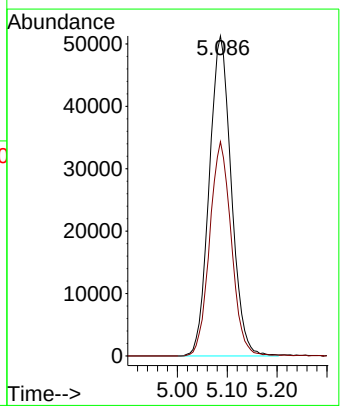


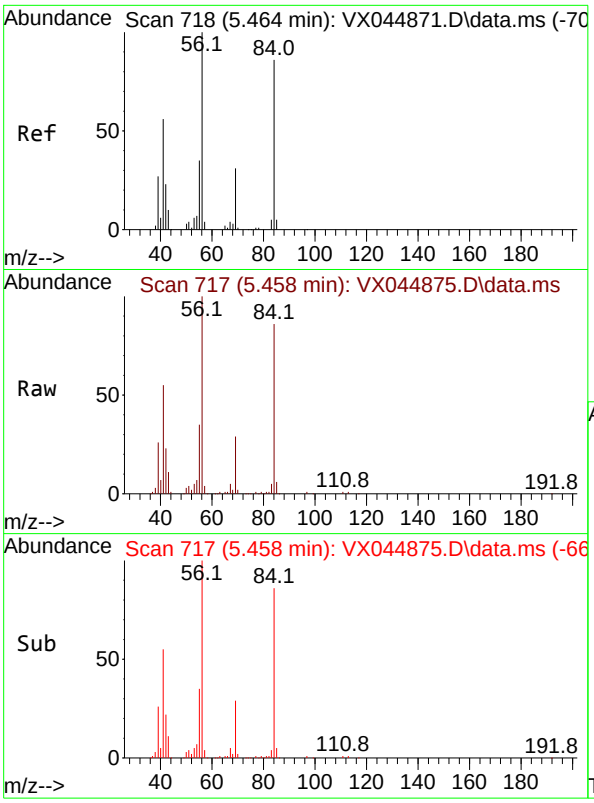


#30
Chloroform
Concen: 48.393 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 83 Resp: 157312

Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.1	78.1



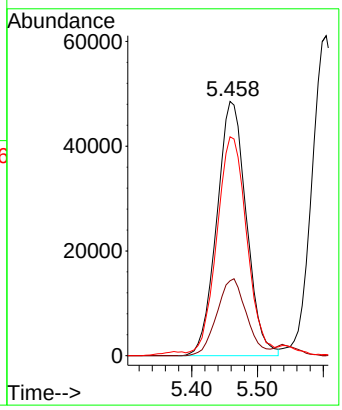


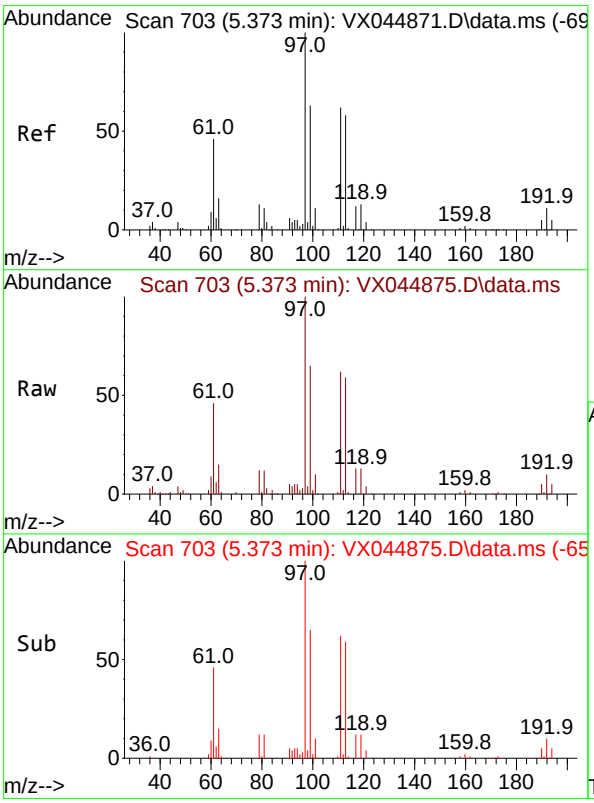
#31
Cyclohexane
Concen: 49.211 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 56 Resp: 152073

Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.4	36.6
84	84.6	69.0	103.6

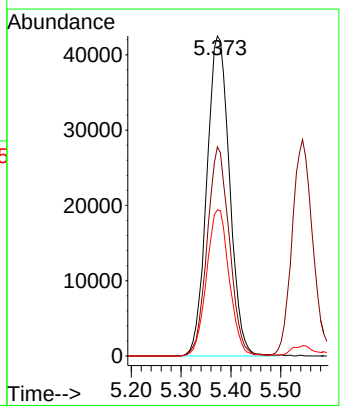


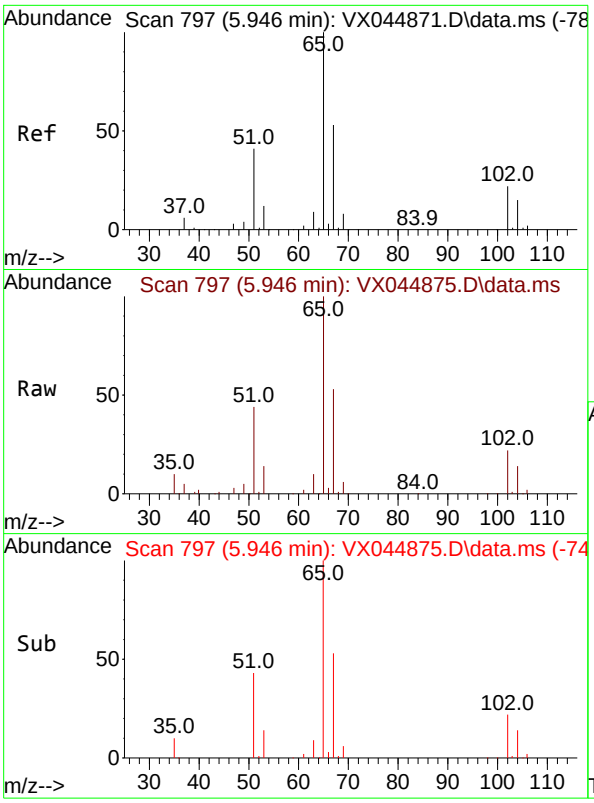


#32
1,1,1-Trichloroethane
Concen: 48.825 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 97 Resp: 134626

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.7	36.6	55.0



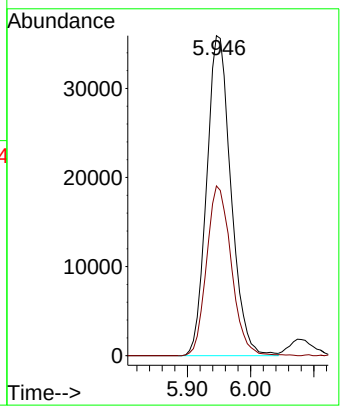


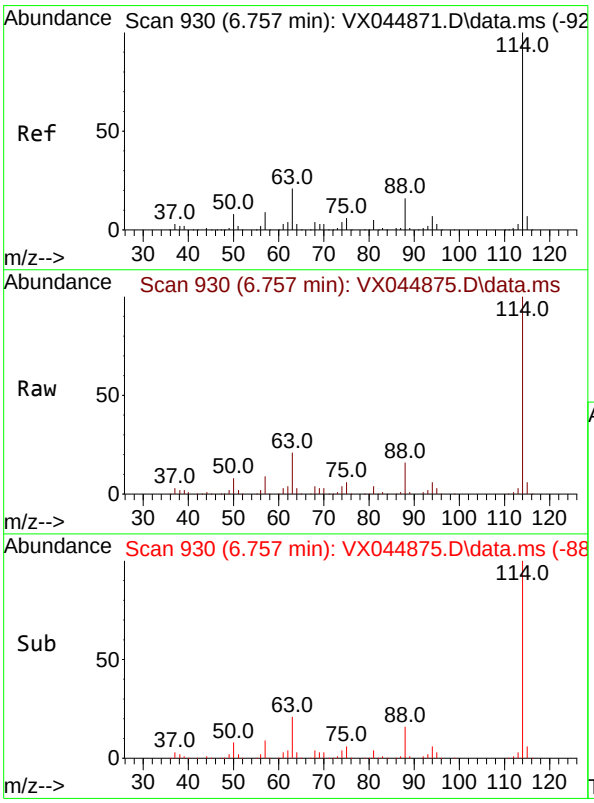
#33
1,2-Dichloroethane-d4
Concen: 48.061 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 65 Resp: 95635

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.2

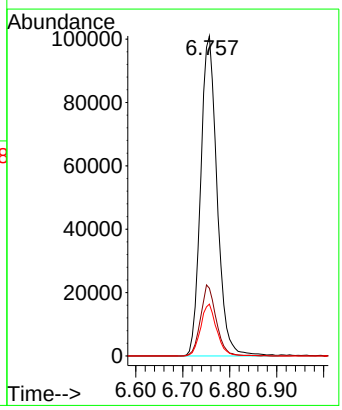


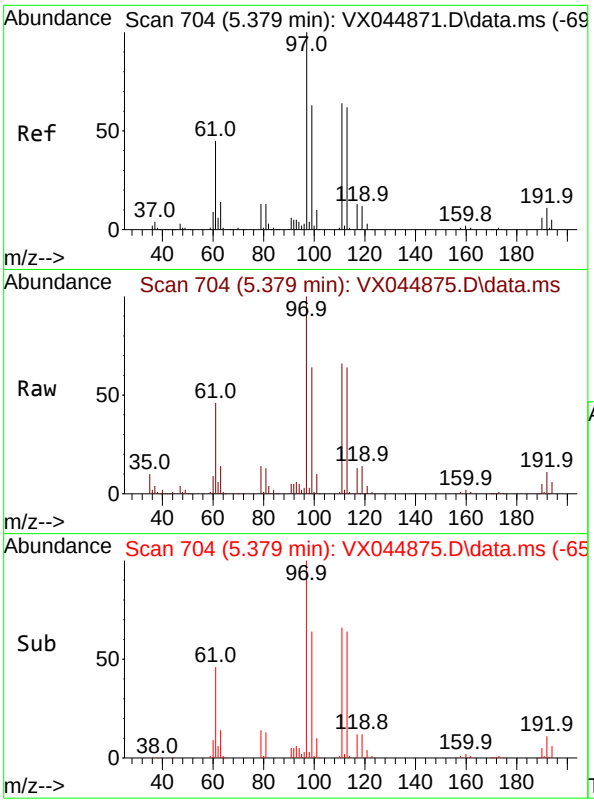


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:114 Resp: 245098

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	16.2	0.0	31.4



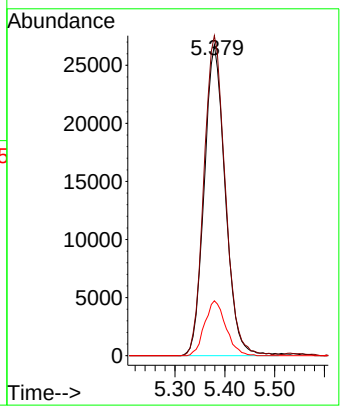


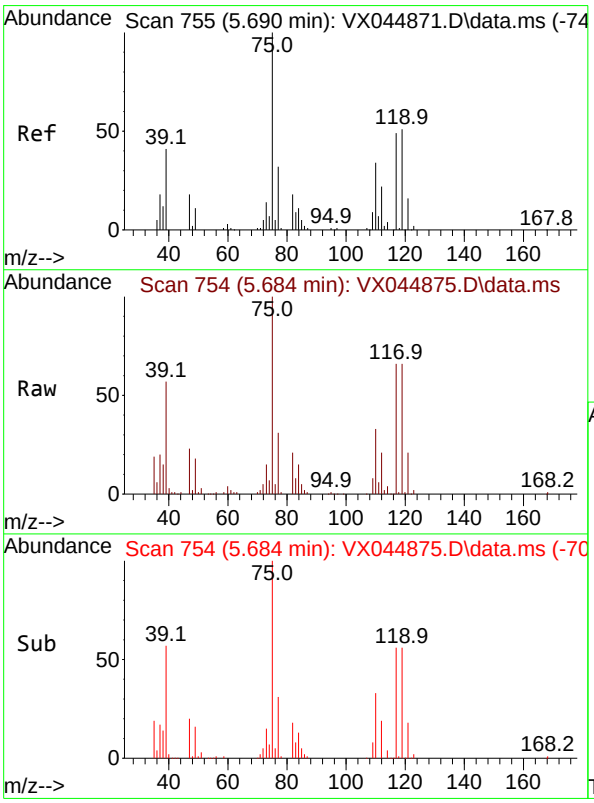
#35
Dibromofluoromethane
Concen: 49.173 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:113 Resp: 78360

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	17.9	14.4	21.6

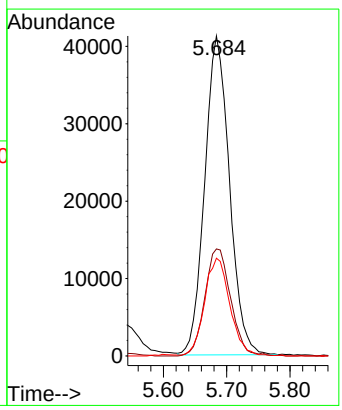


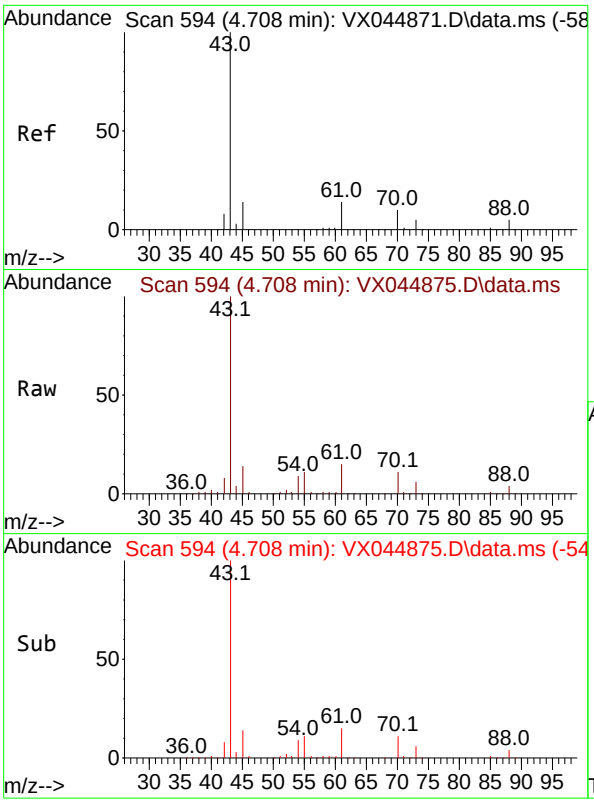


#36
1,1-Dichloropropene
Concen: 48.702 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 111968

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.2	51.6
77	31.6	24.6	37.0



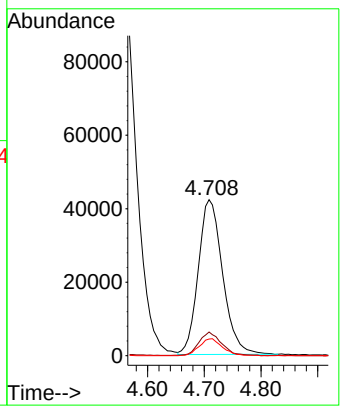


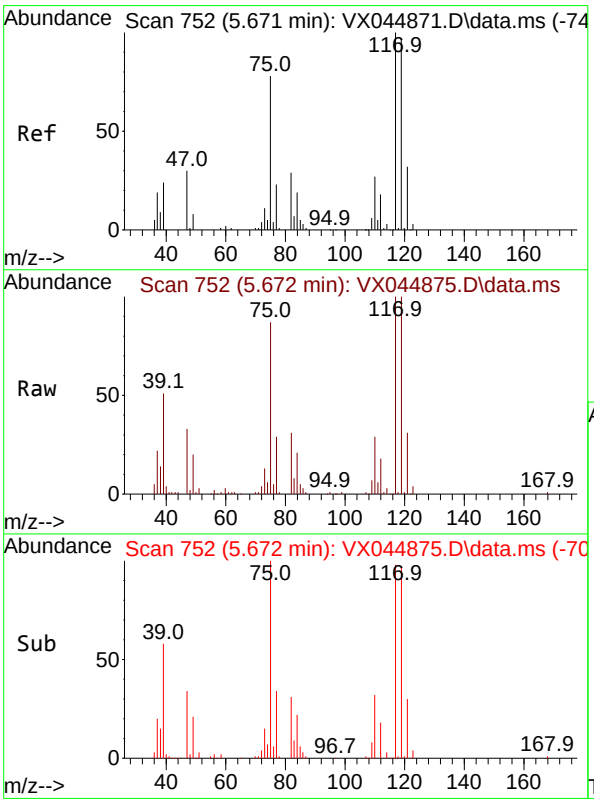
#37
Ethyl Acetate
Concen: 49.300 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 126071

Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.4	8.2	12.2

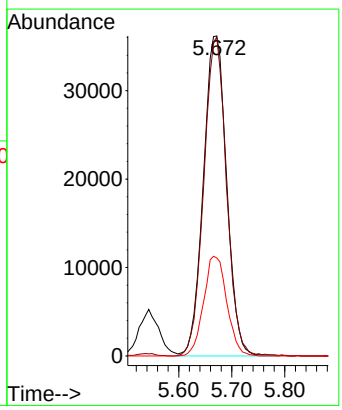


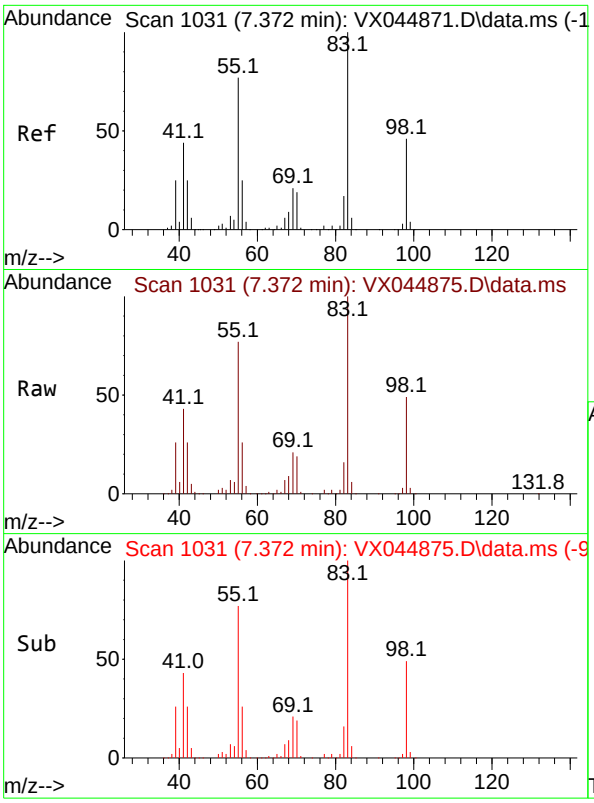


#38
Carbon Tetrachloride
Concen: 49.083 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:117 Resp: 110581

Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.5	116.3
121	30.6	25.6	38.4



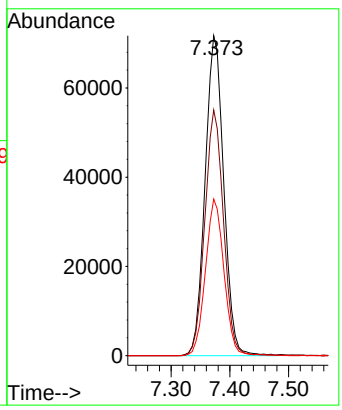


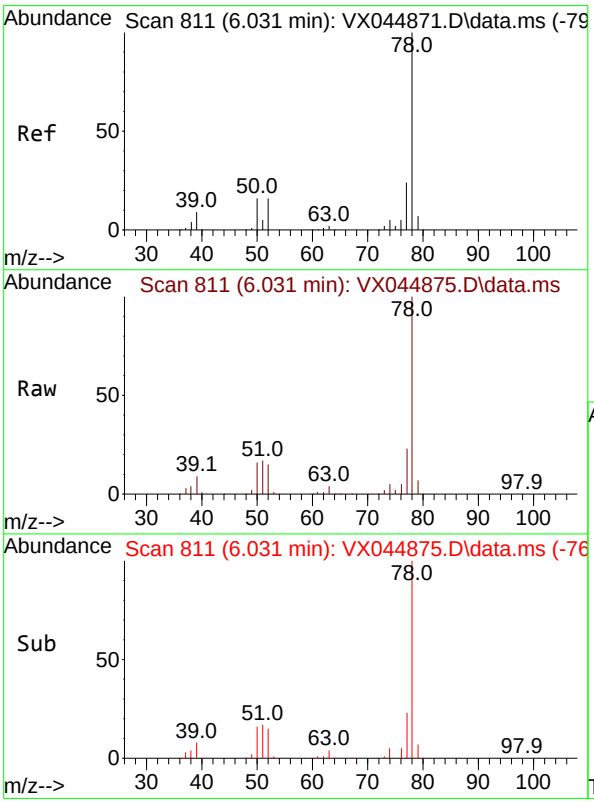
#39
Methylcyclohexane
Concen: 53.254 ug/l
RT: 7.372 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 83 Resp: 158289

Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.3	91.9
98	49.0	37.0	55.6

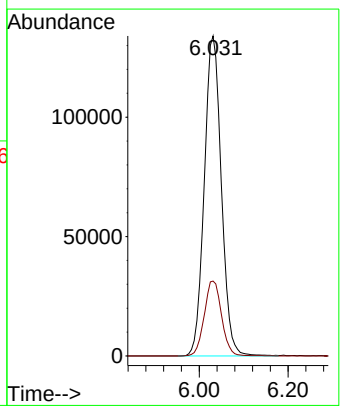


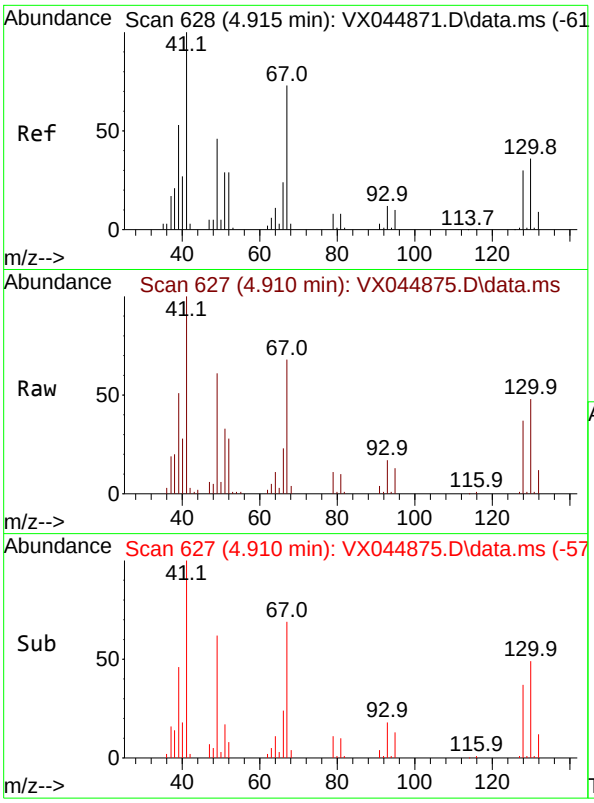


#40
Benzene
Concen: 49.919 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 78 Resp: 358365

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6



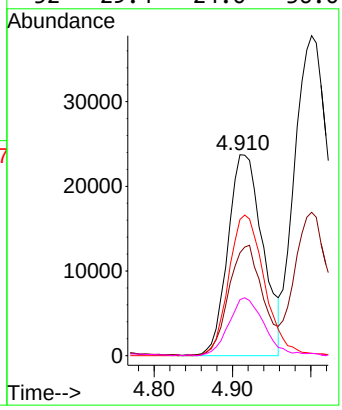


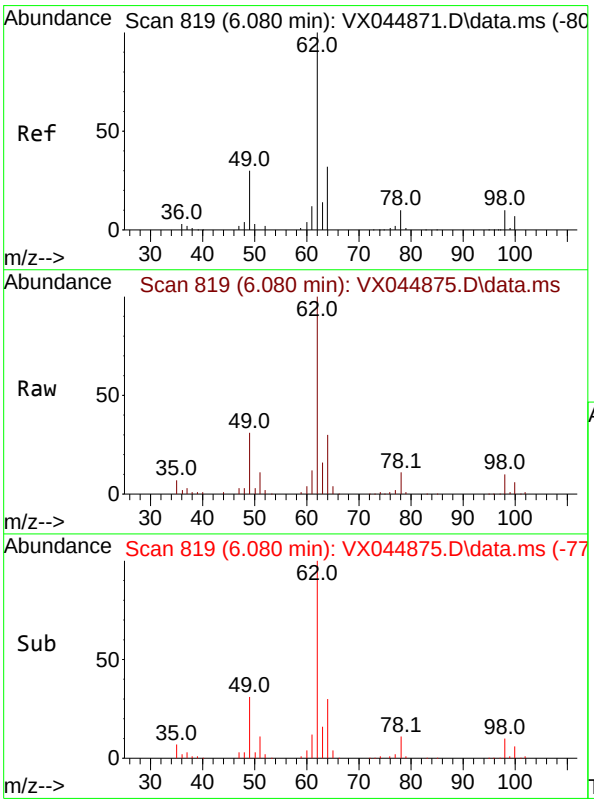
#41
Methacrylonitrile
Concen: 53.741 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 41 Resp: 73559

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.1	64.7
67	71.9	57.0	85.6
52	29.4	24.0	36.0

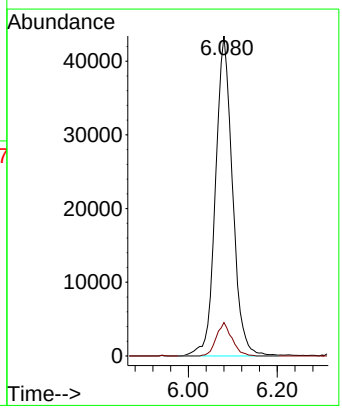


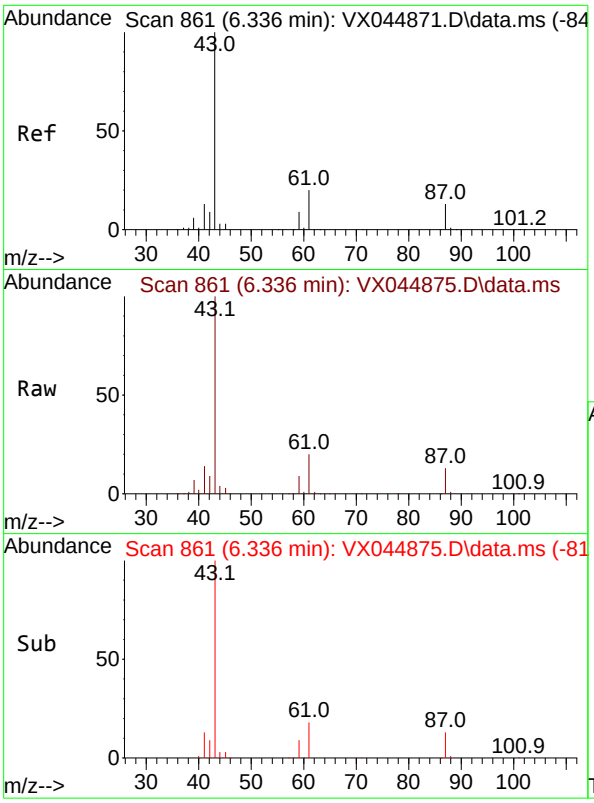


#42
1,2-Dichloroethane
Concen: 50.410 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 115339

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4



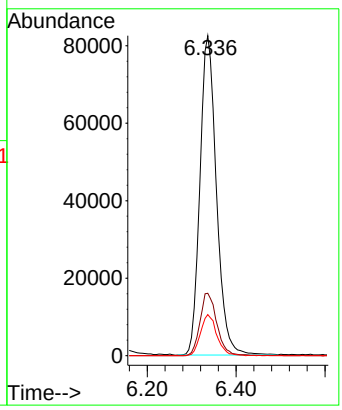


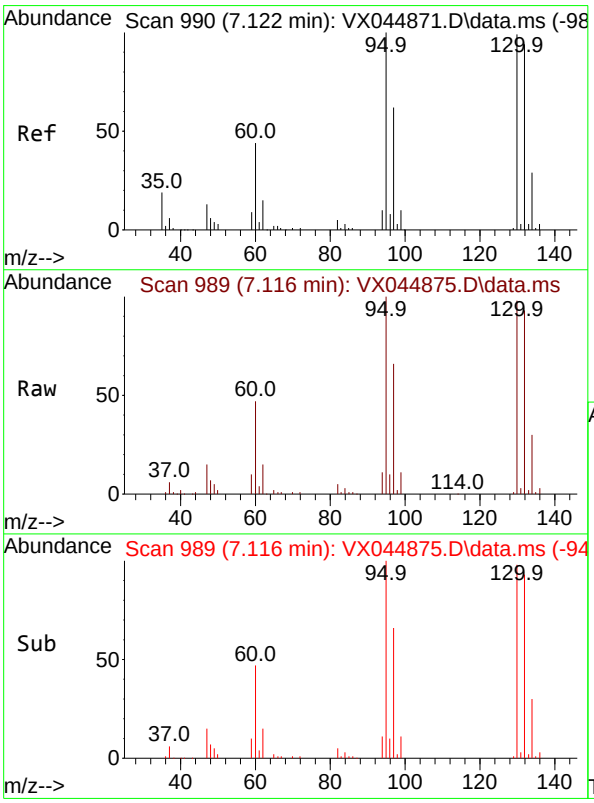
#43
Isopropyl Acetate
Concen: 51.798 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 213901

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.8
87	12.6	10.0	15.0

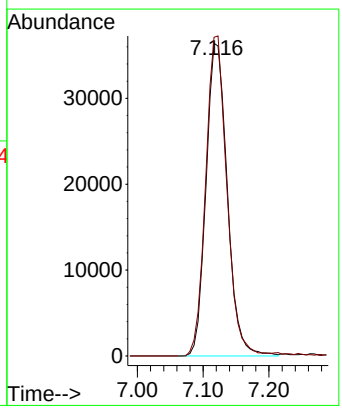


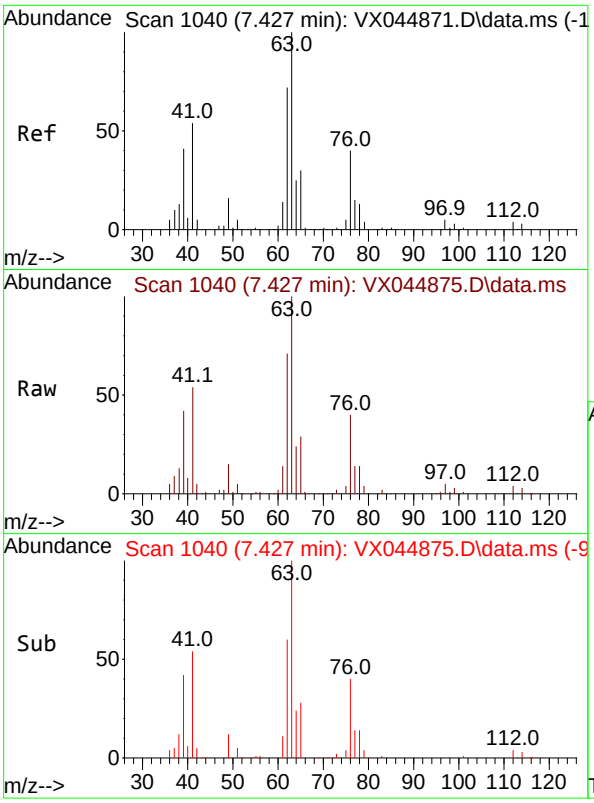


#44
Trichloroethene
Concen: 49.917 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:130 Resp: 81911

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	202.4



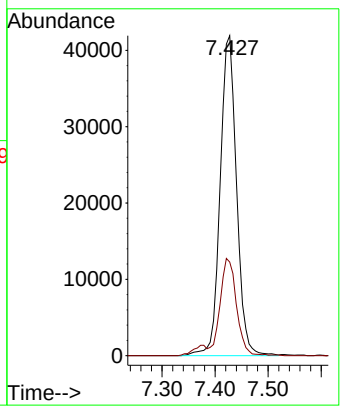


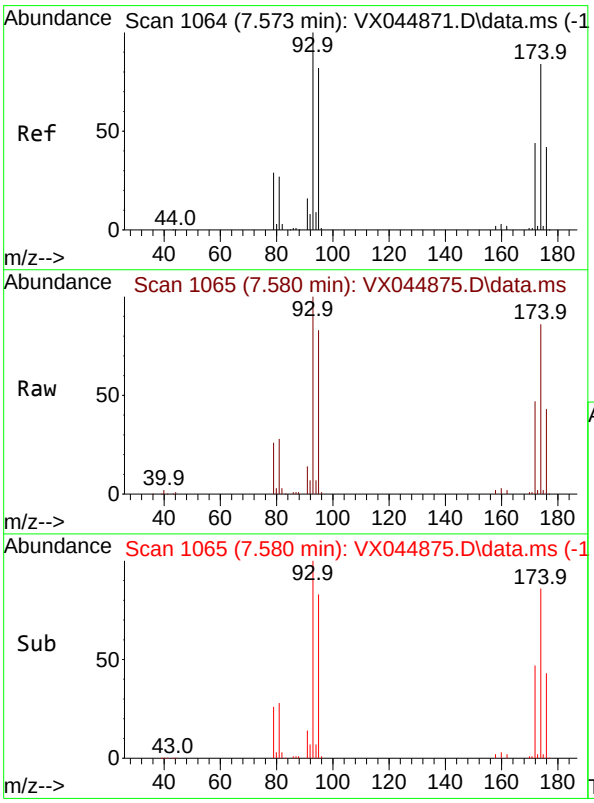
#45
1,2-Dichloropropane
Concen: 50.387 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 63 Resp: 89992

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.2	36.4

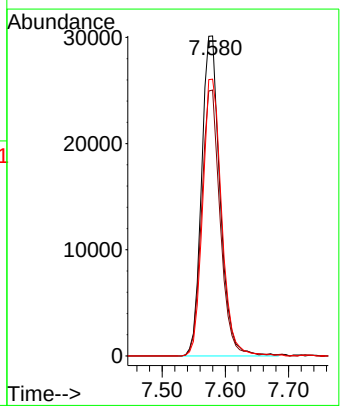


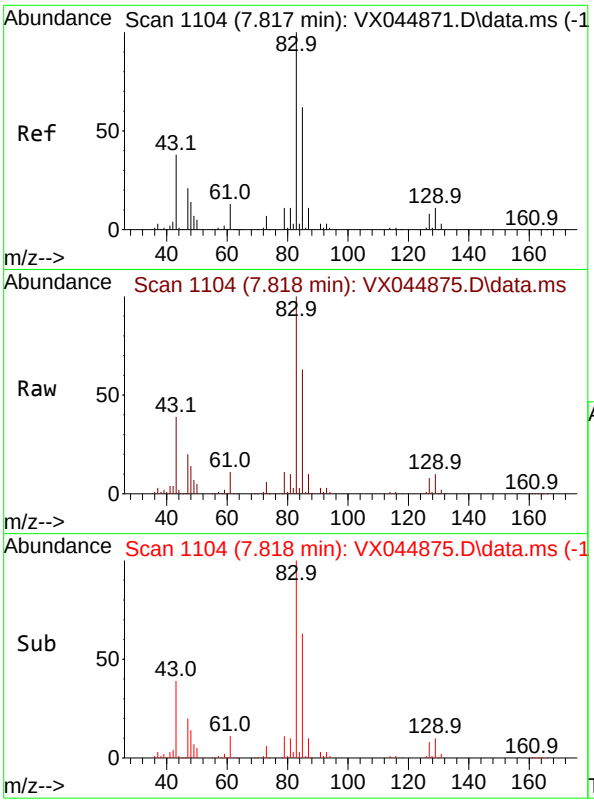


#46
Dibromomethane
Concen: 49.540 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 93 Resp: 61360

Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.2	99.4
174	88.6	69.9	104.9



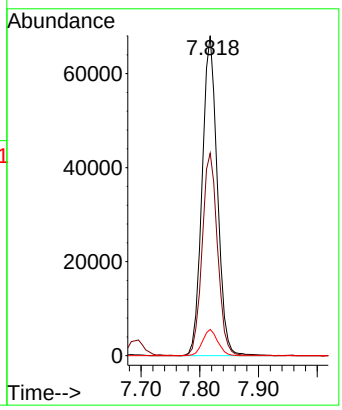


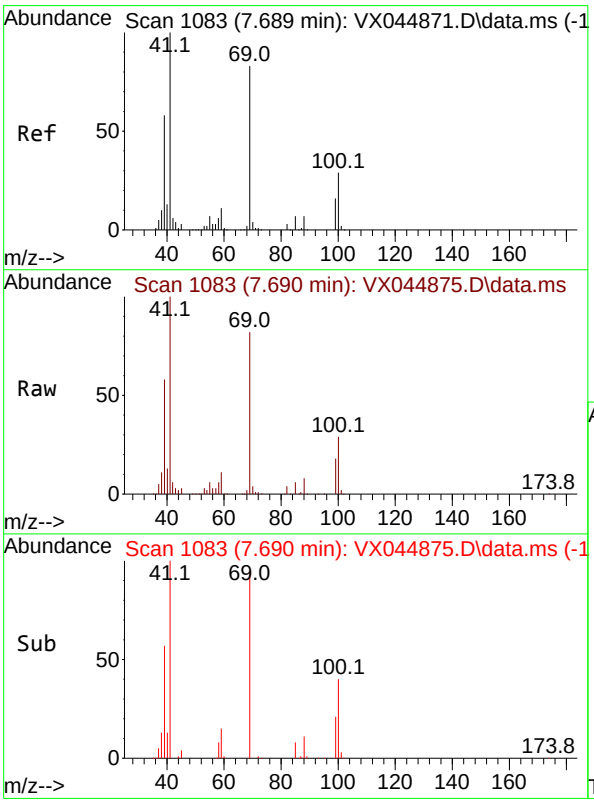
#47
Bromodichloromethane
Concen: 50.980 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 83 Resp: 122265

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.0	75.0
127	8.2	6.4	9.6

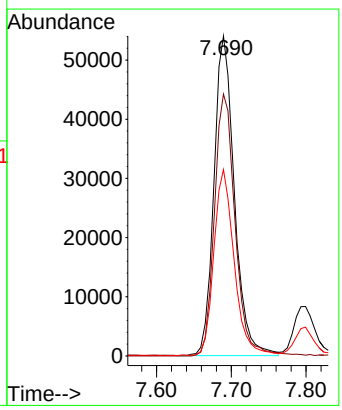


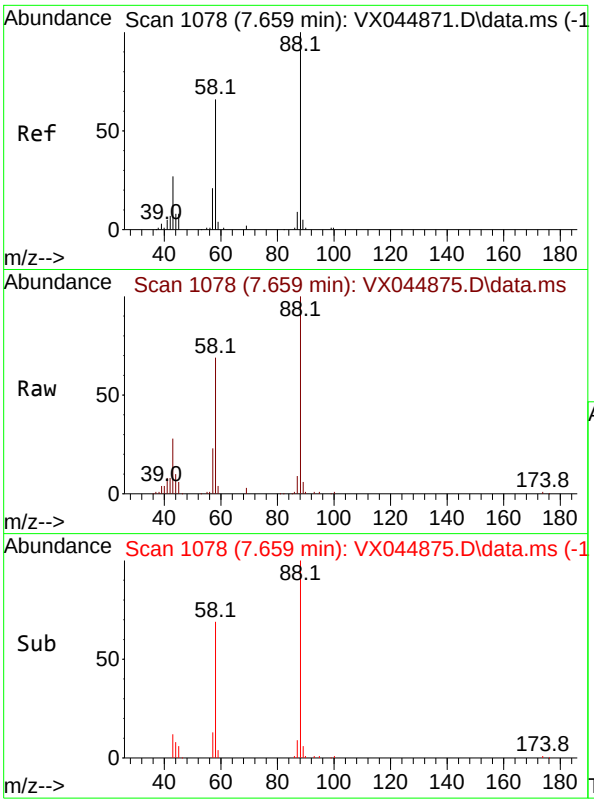


#48
Methyl methacrylate
Concen: 52.848 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 102900

Ion	Ratio	Lower	Upper
41	100		
69	83.2	65.8	98.8
39	57.8	46.4	69.6



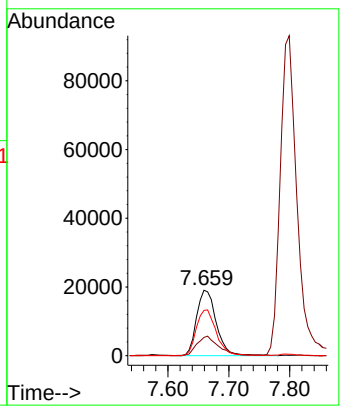


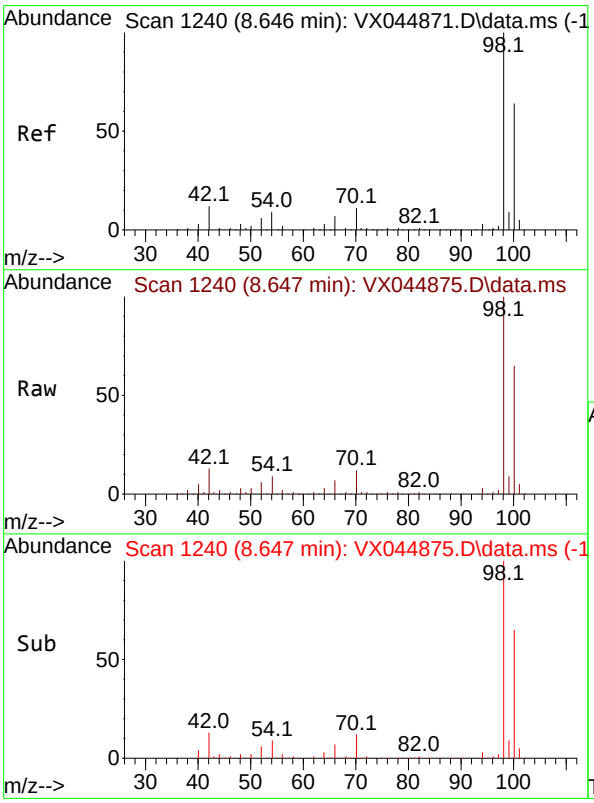
#49
1,4-Dioxane
Concen: 1021.138 ug/l
RT: 7.659 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 88 Resp: 42658

Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.6	39.8
58	71.2	55.9	83.9

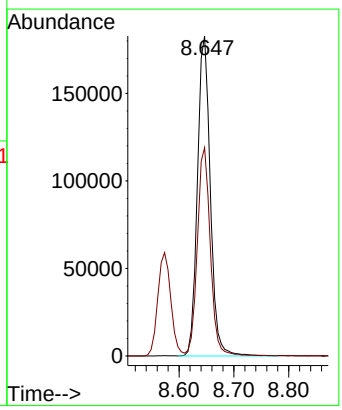


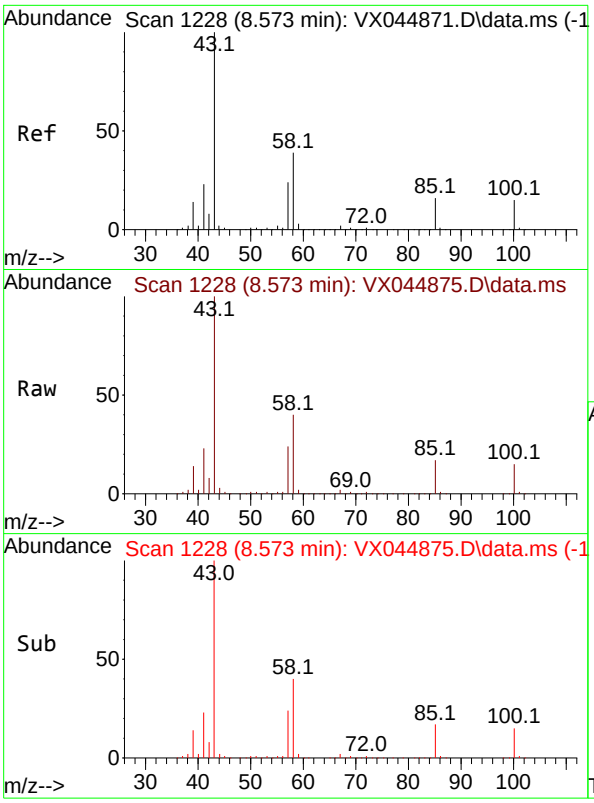


#50
Toluene-d8
Concen: 49.649 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 98 Resp: 299178

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1



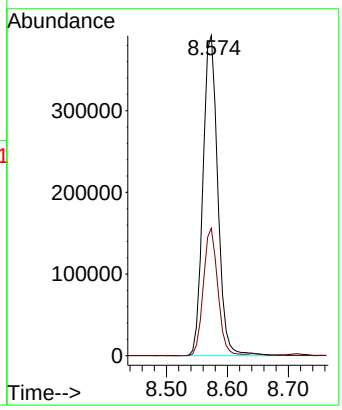


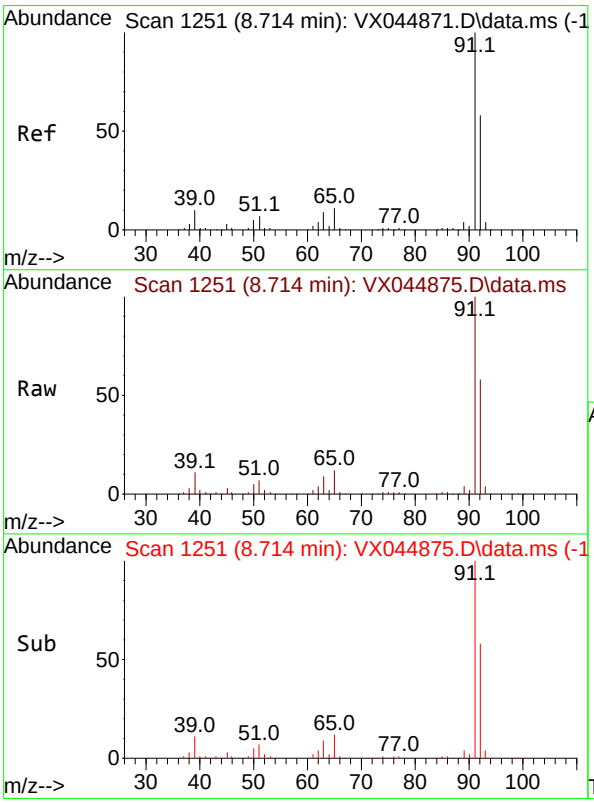
#51
4-Methyl-2-Pentanone
Concen: 265.112 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 665564

Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.8	46.2

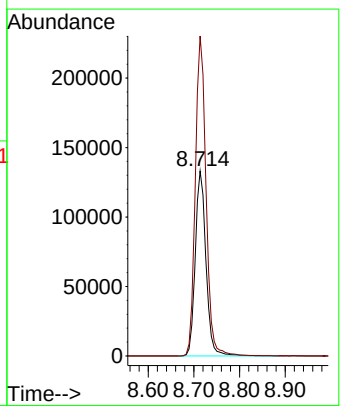


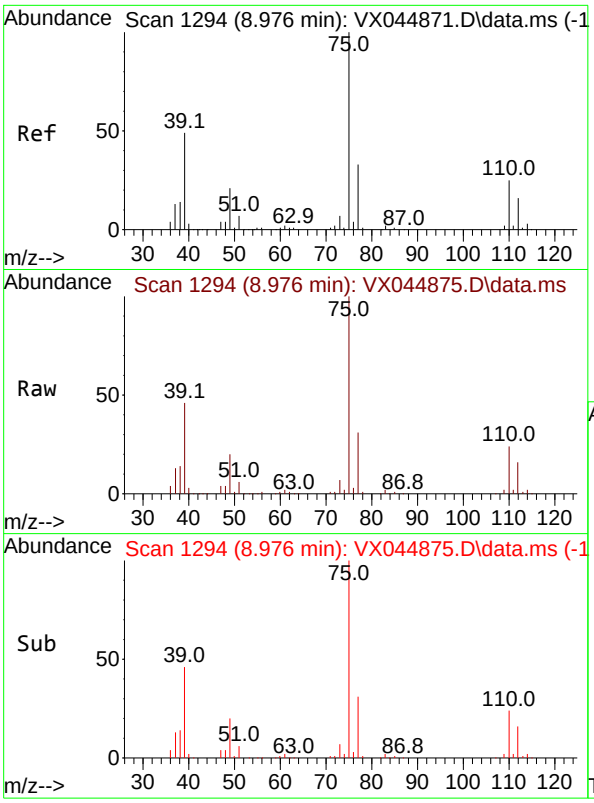


#52
Toluene
Concen: 50.680 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 92 Resp: 216682

Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.4	206.2



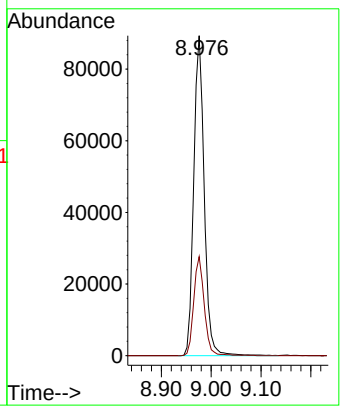


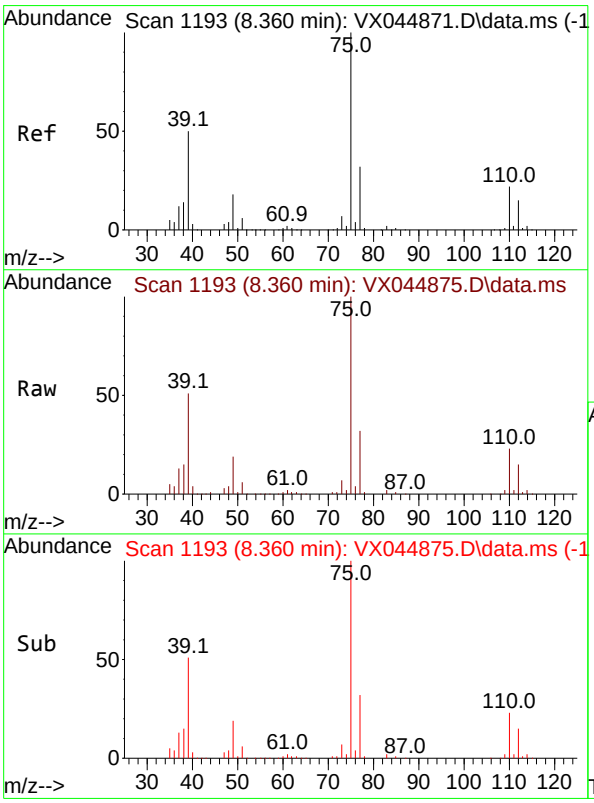
#53
t-1,3-Dichloropropene
Concen: 53.731 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 75 Resp: 130405

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.0	39.0

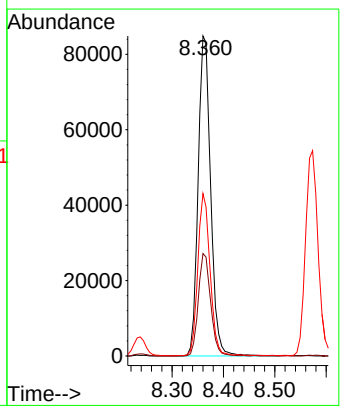


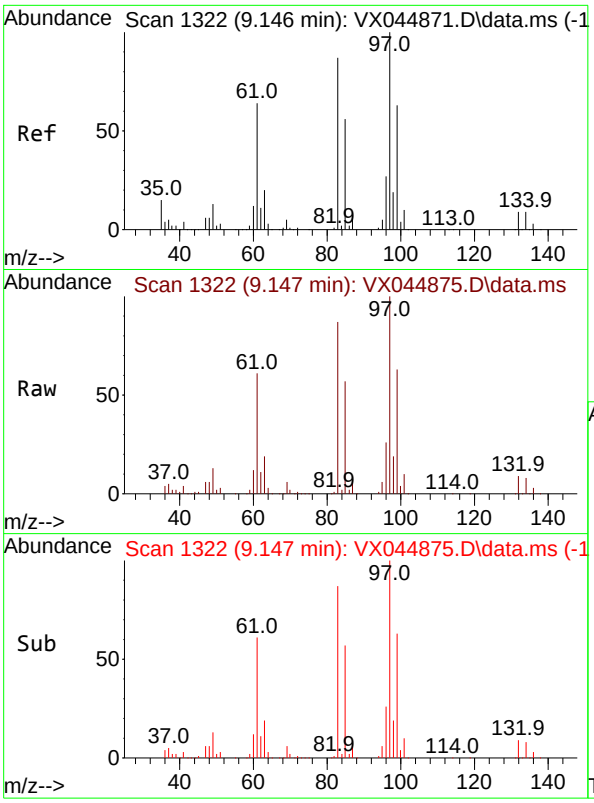


#54
cis-1,3-Dichloropropene
Concen: 52.986 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 143379

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9
39	50.6	40.0	60.0



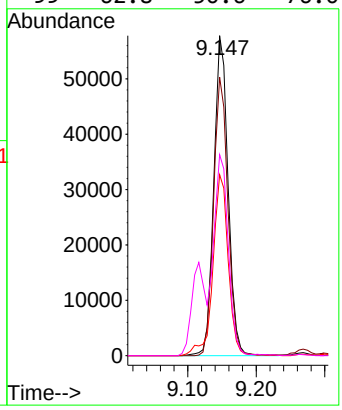


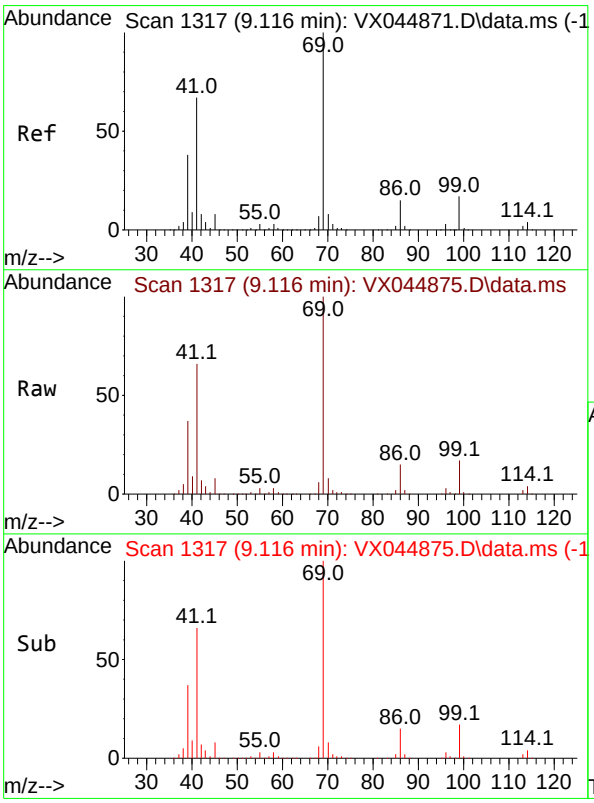
#55
1,1,2-Trichloroethane
Concen: 50.811 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 97 Resp: 83510

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.8	104.6
85	56.6	44.8	67.2
99	62.8	50.6	76.0

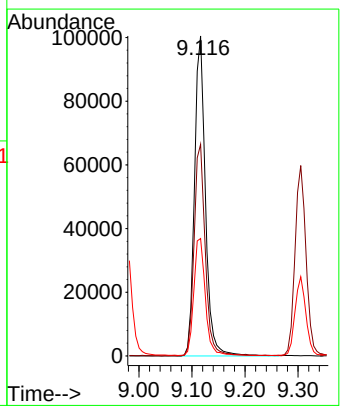


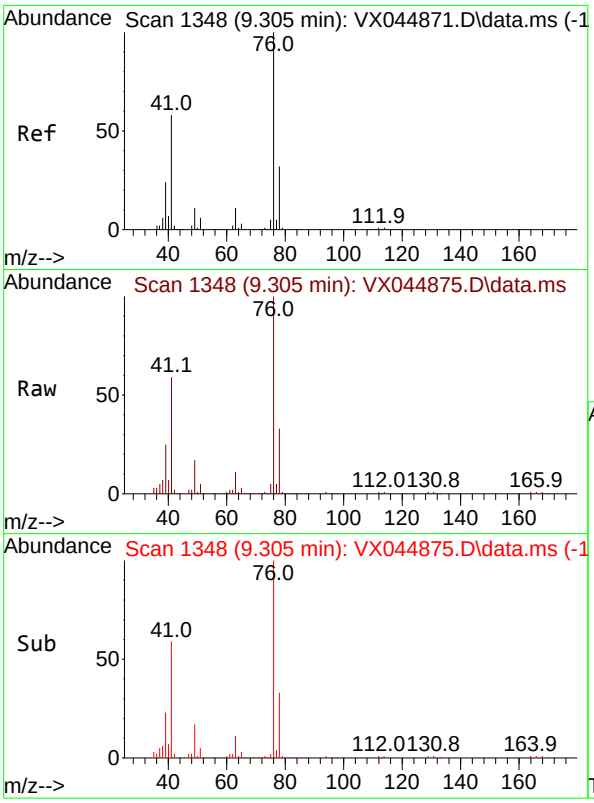


#56
Ethyl methacrylate
Concen: 54.068 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 69 Resp: 143524

Ion	Ratio	Lower	Upper
69	100		
41	67.8	55.2	82.8
39	38.4	30.8	46.2



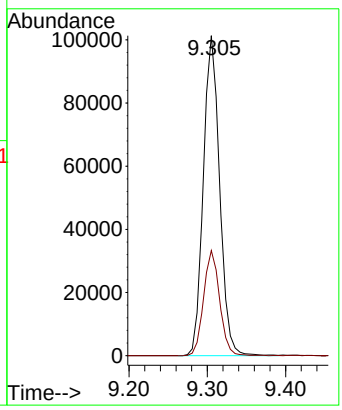


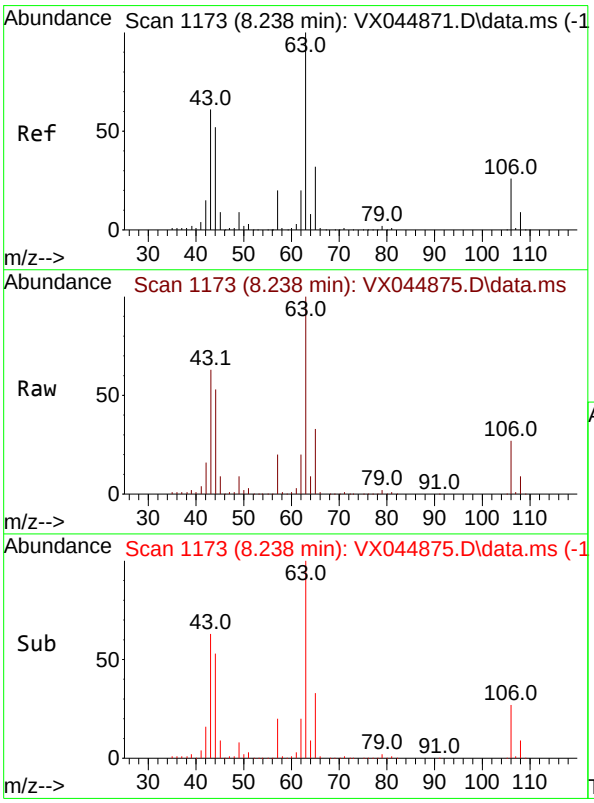
#57
1,3-Dichloropropane
Concen: 50.852 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 76 Resp: 146236

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

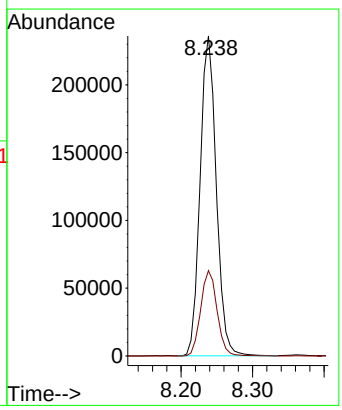


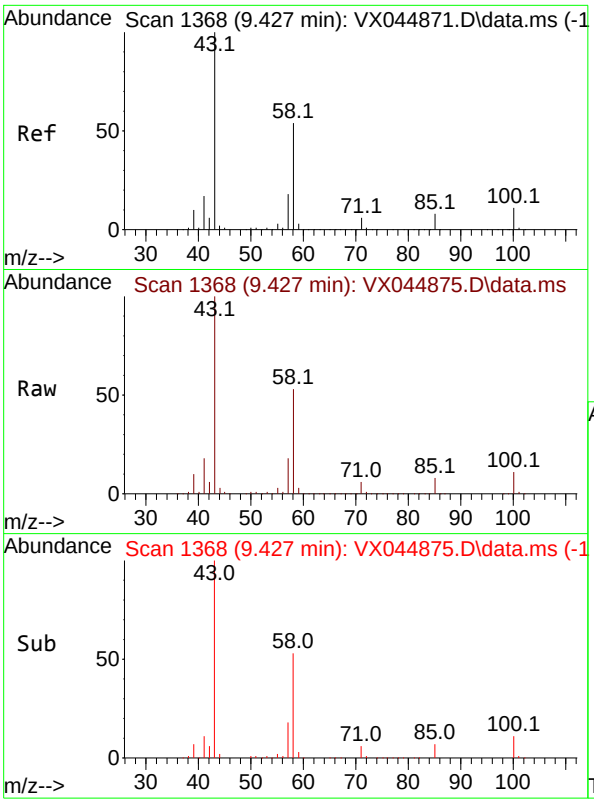


#58
2-Chloroethyl Vinyl ether
Concen: 284.352 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 370622

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.3	31.9



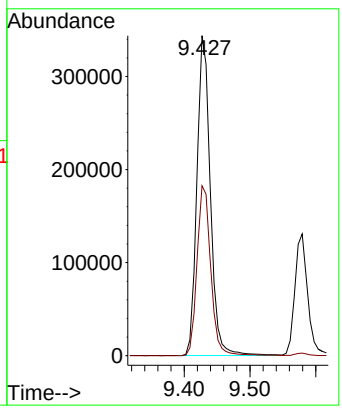


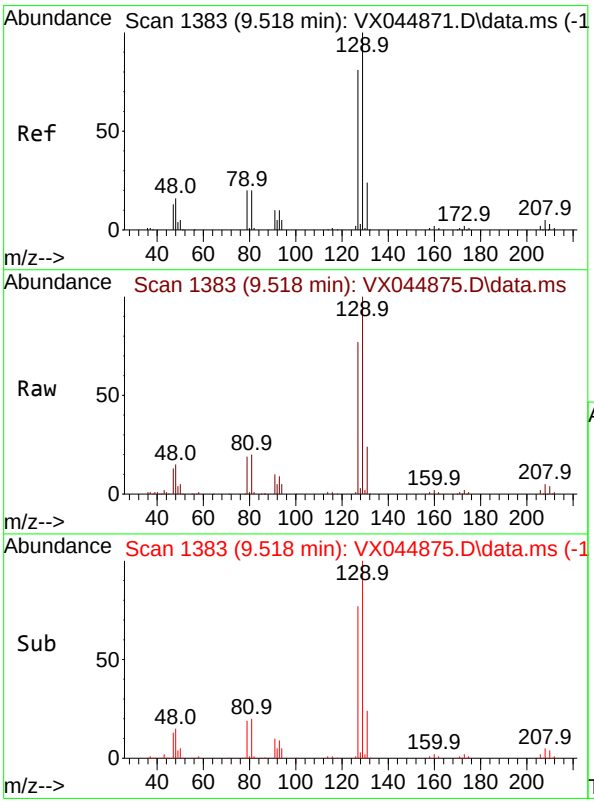
#59
2-Hexanone
Concen: 269.951 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 488298

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.5	82.4

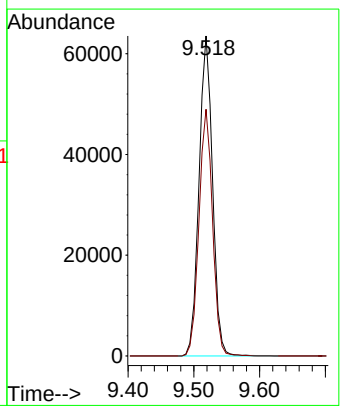


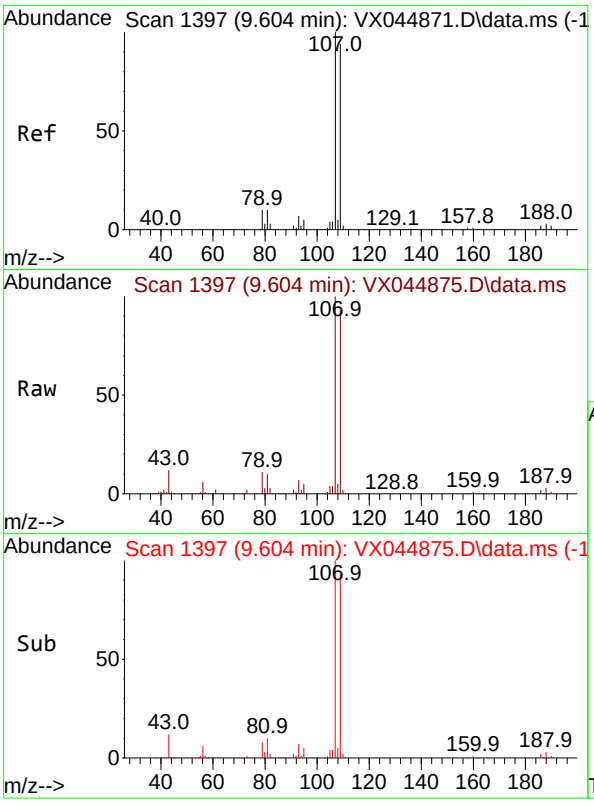


#60
Dibromochloromethane
Concen: 51.673 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:129 Resp: 90826

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.3



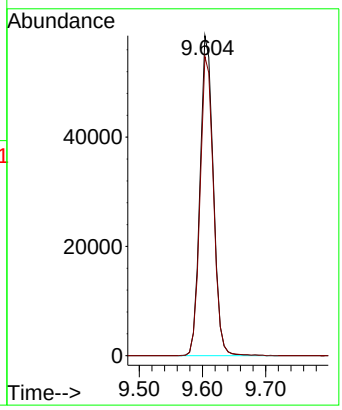


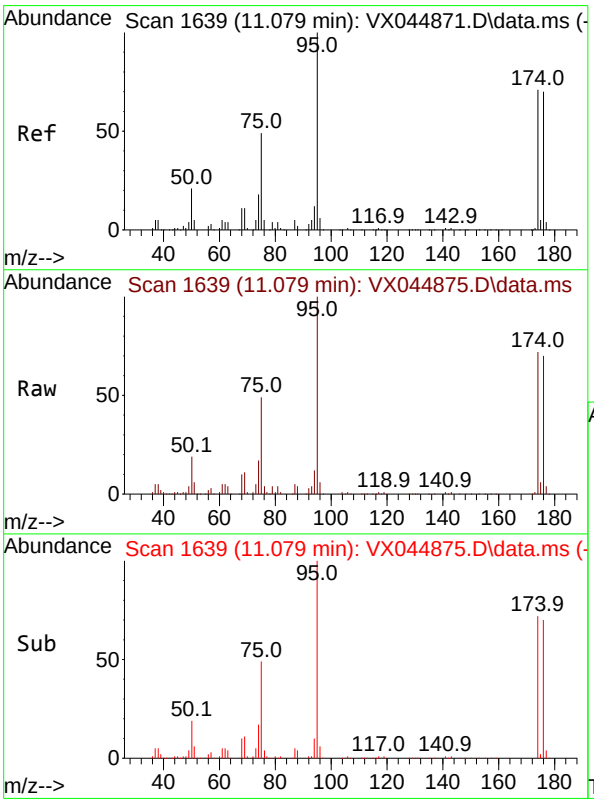
#61
1,2-Dibromoethane
Concen: 51.436 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:107 Resp: 85683

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.9	113.9

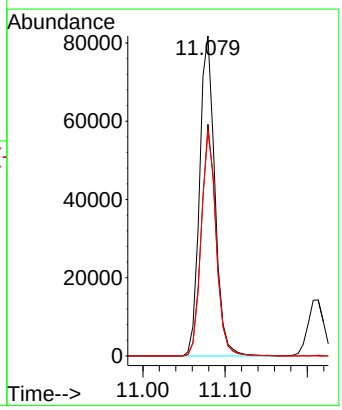


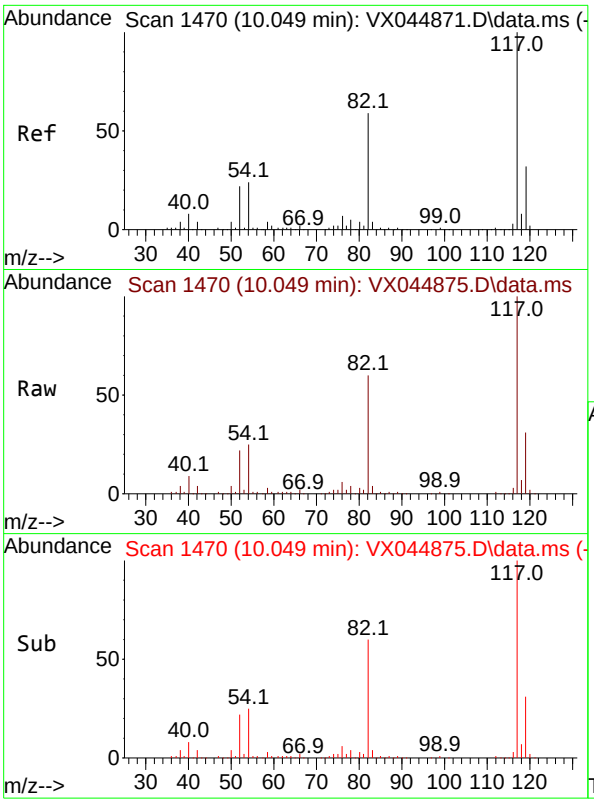


#62
4-Bromofluorobenzene
Concen: 51.786 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 95 Resp: 105201

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	142.6
176	68.9	0.0	141.6



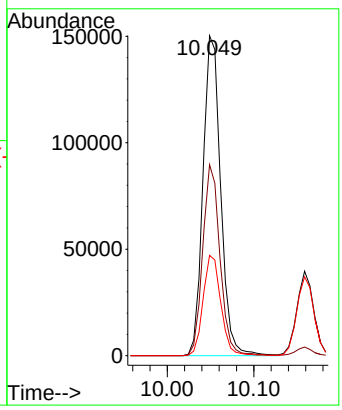


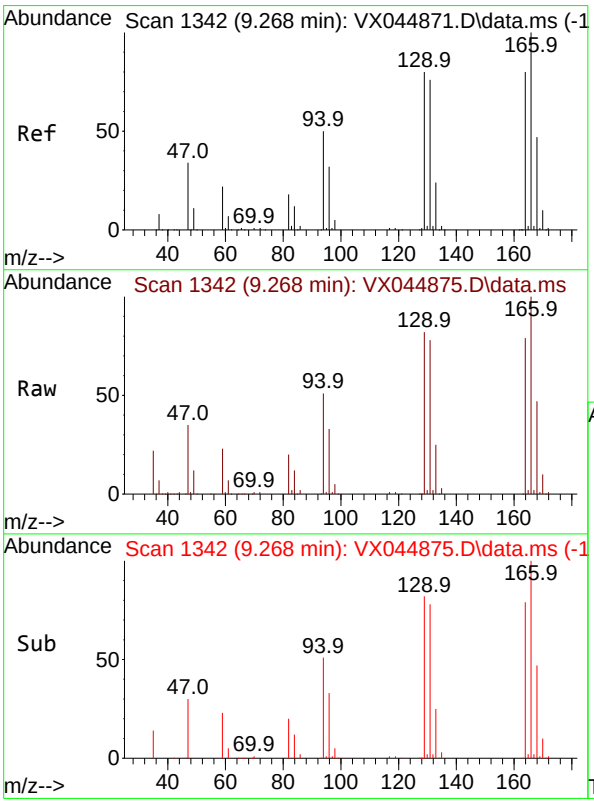
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:117 Resp: 213248

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.5	71.3
119	31.3	25.4	38.0

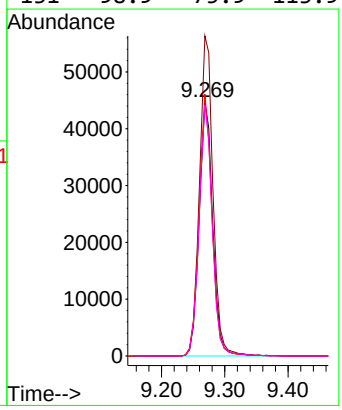


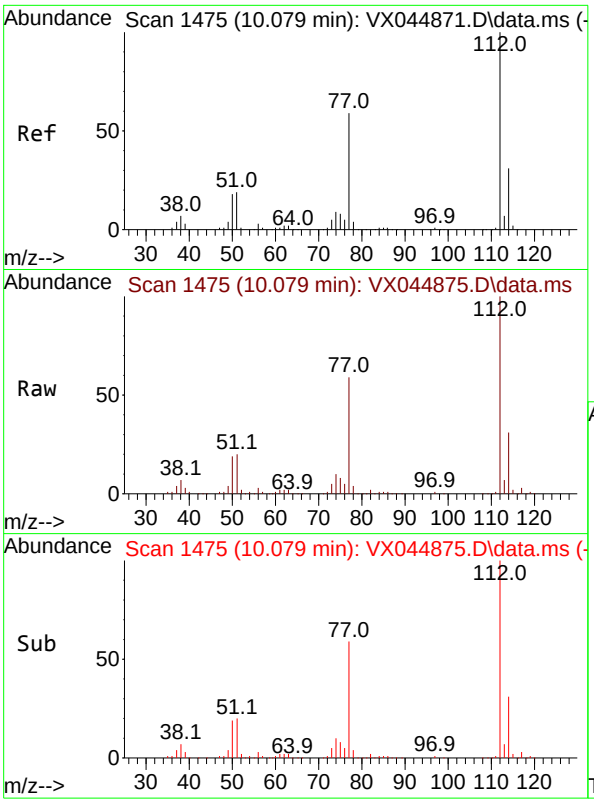


#64
Tetrachloroethene
Concen: 49.424 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:164 Resp: 66468

Ion	Ratio	Lower	Upper
164	100		
166	126.1	100.4	150.6
129	103.1	79.9	119.9
131	98.9	75.9	113.9



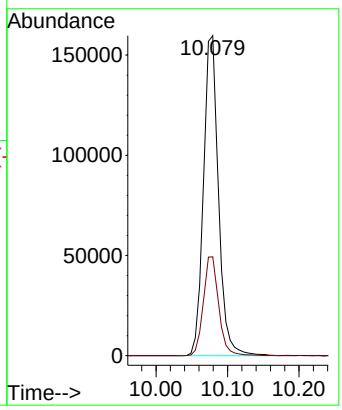


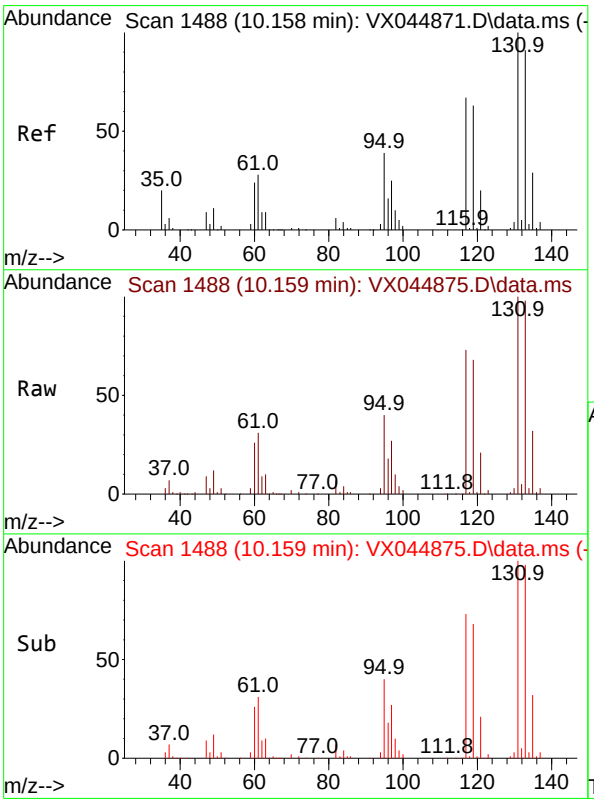
#65
Chlorobenzene
Concen: 50.952 ug/l
RT: 10.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:112 Resp: 233373

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

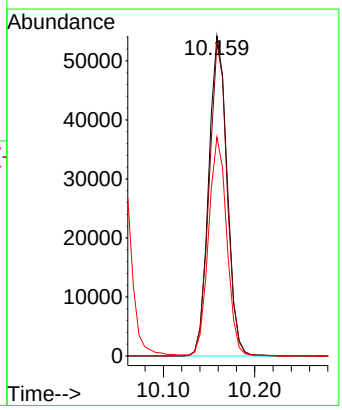


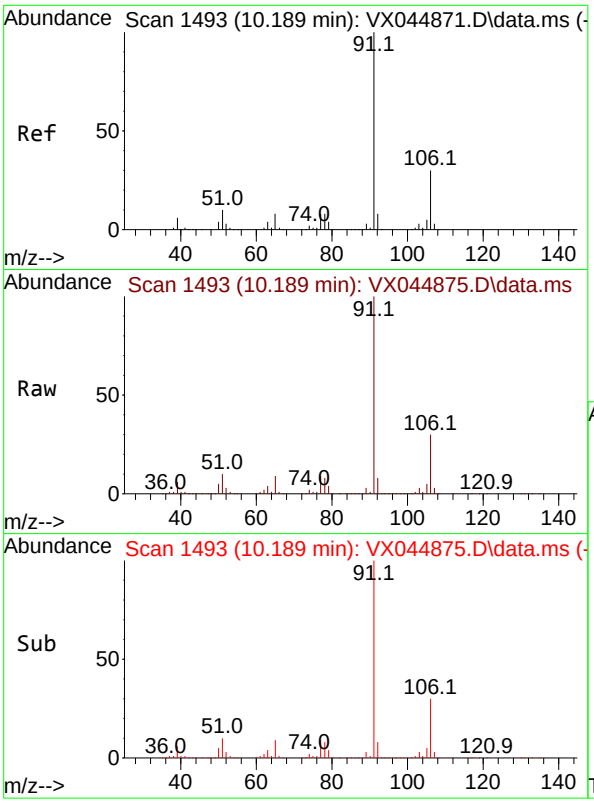


#66
1,1,1,2-Tetrachloroethane
Concen: 51.205 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:131 Resp: 75488

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.1	141.3
119	68.2	33.6	100.6



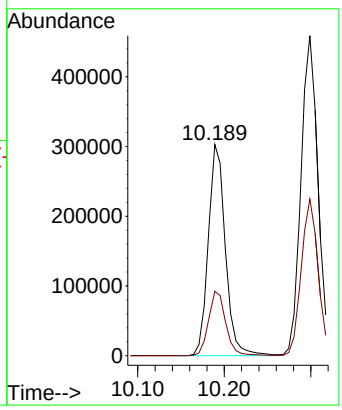


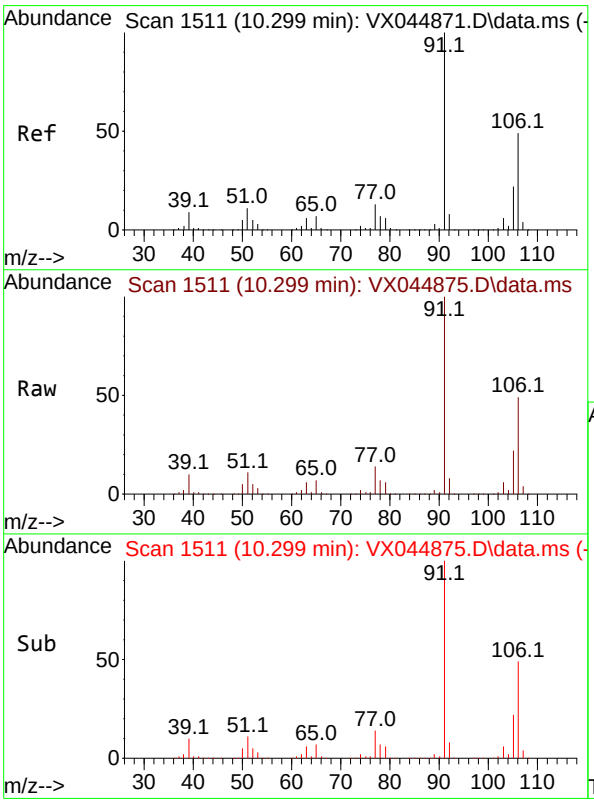
#67
Ethyl Benzene
Concen: 51.415 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 91 Resp: 415575

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

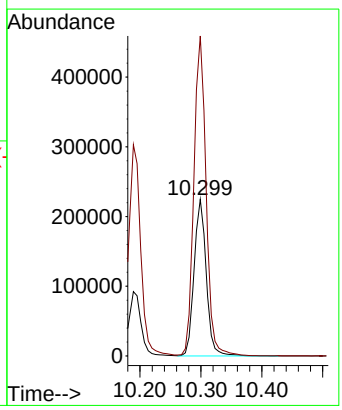


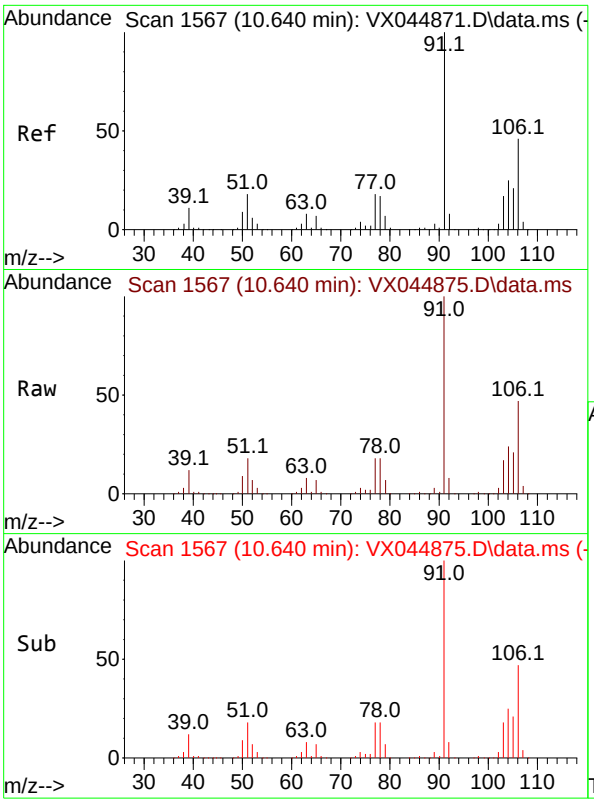


#68
m/p-Xylenes
Concen: 104.282 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:106 Resp: 310925

Ion	Ratio	Lower	Upper
106	100		
91	205.2	164.3	246.5



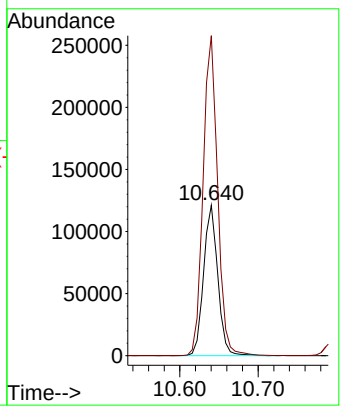


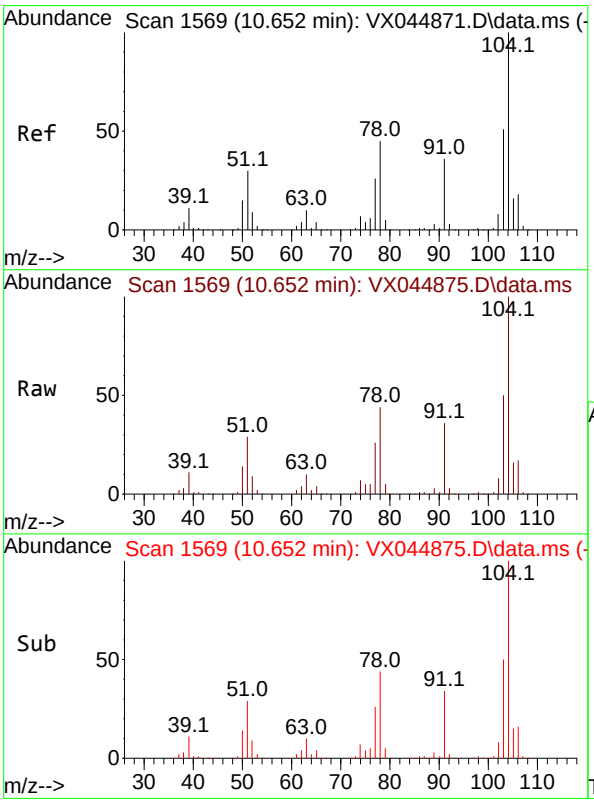
#69
o-Xylene
Concen: 50.804 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:106 Resp: 151995

Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.5	325.5

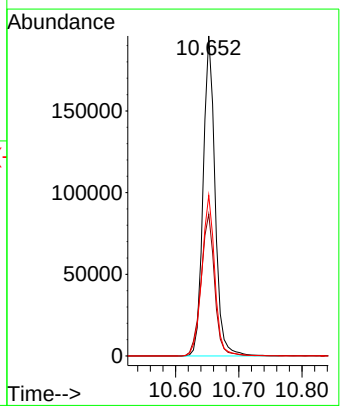


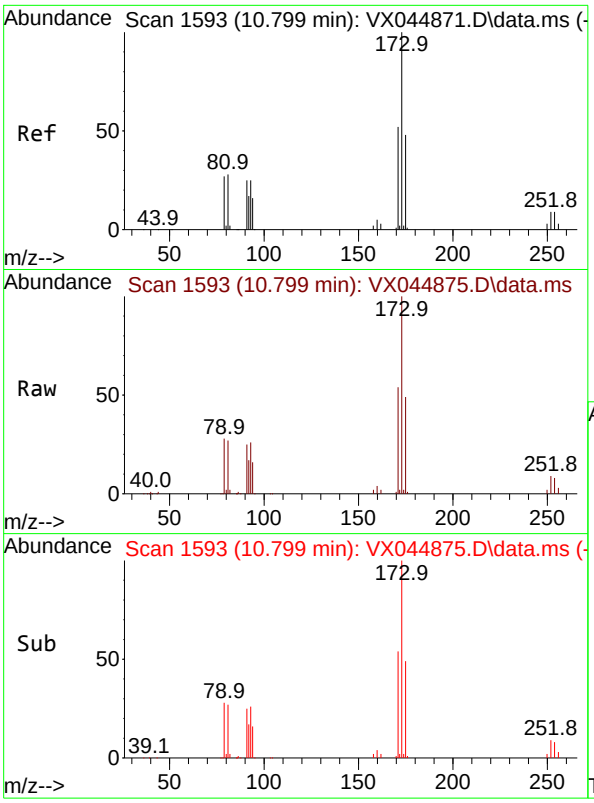


#70
Styrene
Concen: 53.521 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:104 Resp: 257972

Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.5	60.7
103	54.5	43.6	65.4



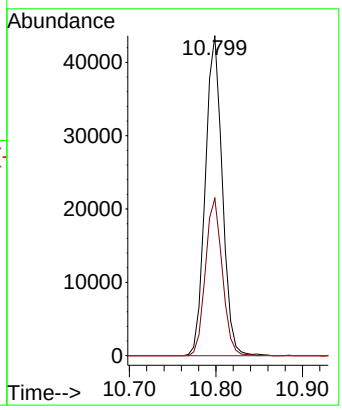


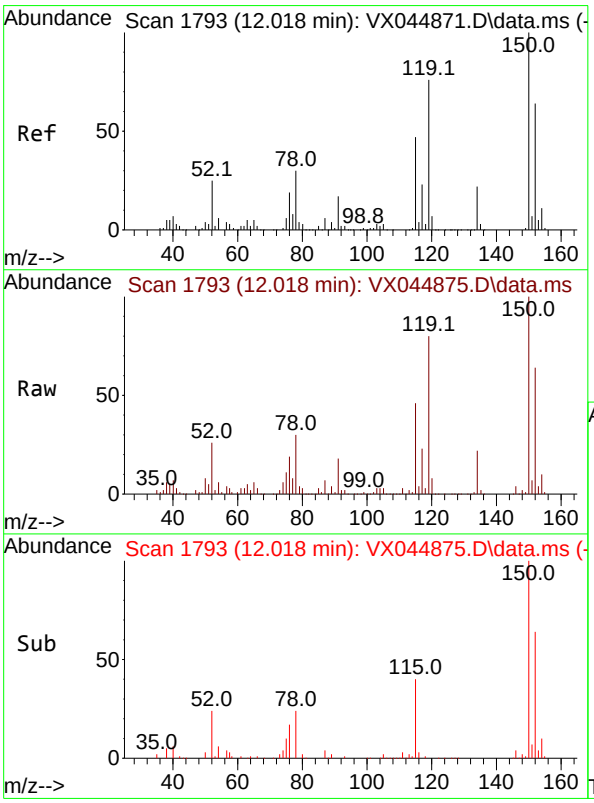
#71
Bromoform
Concen: 53.997 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:173 Resp: 59409

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.0	0.0	0.0

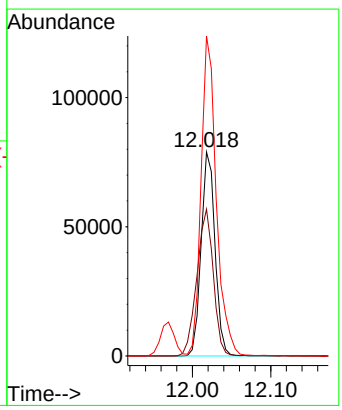


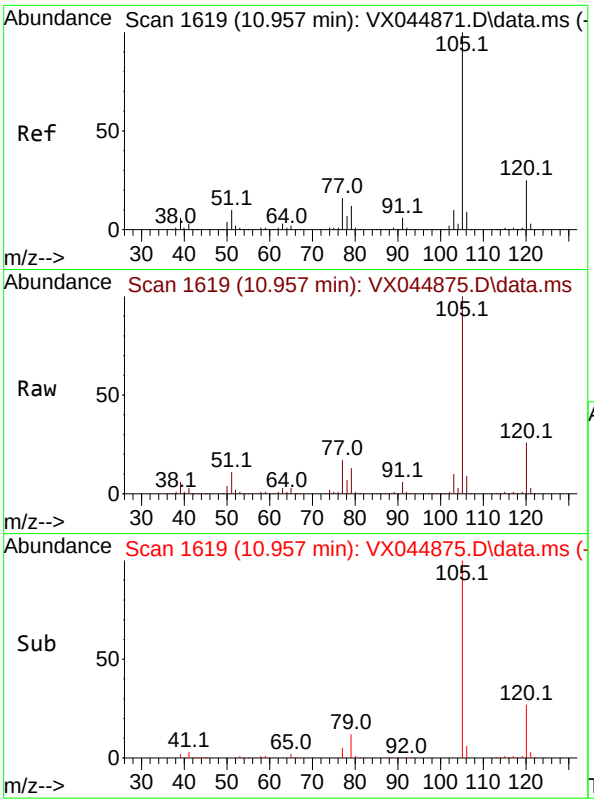


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:152 Resp: 97087

Ion	Ratio	Lower	Upper
152	100		
115	85.5	43.4	130.1
150	171.8	0.0	350.4



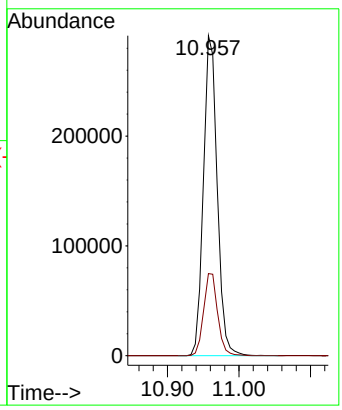


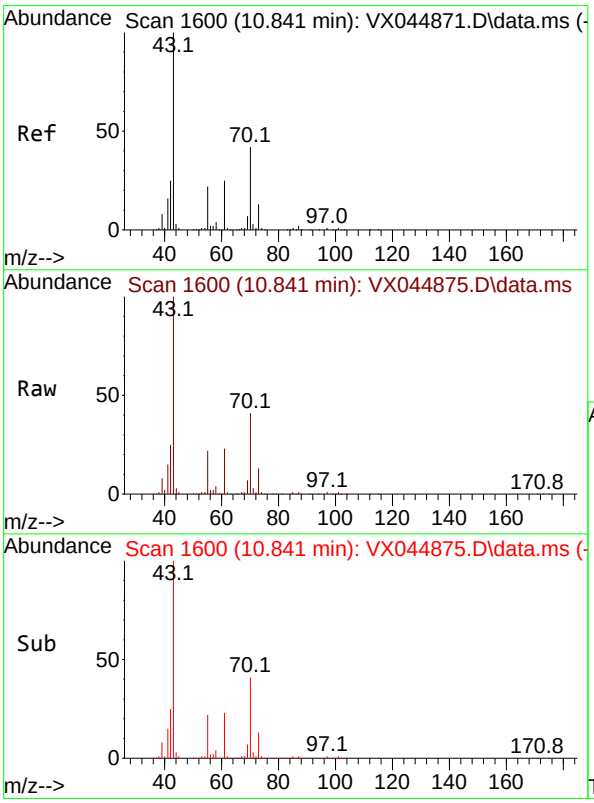
#73
Isopropylbenzene
Concen: 49.921 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:105 Resp: 390246

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5

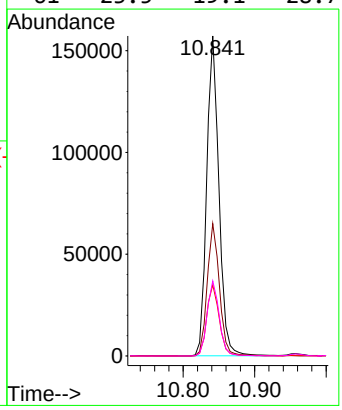


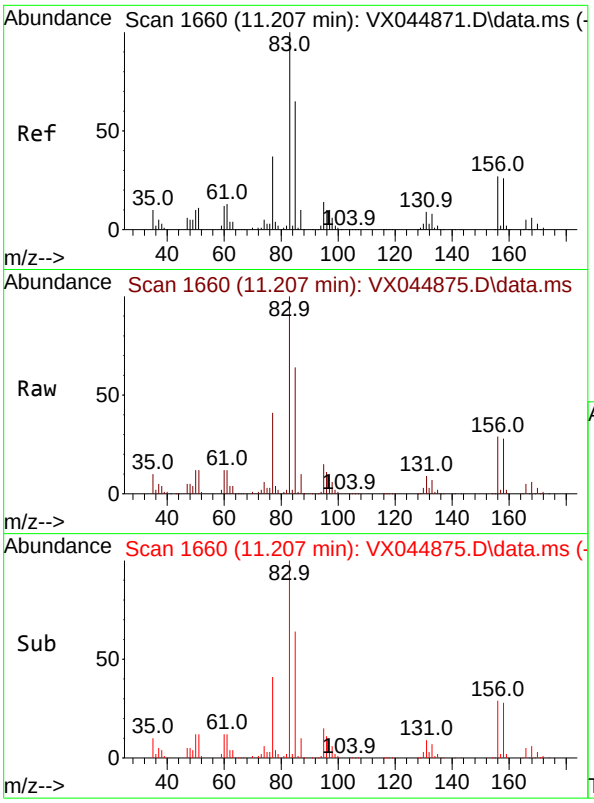


#74
N-amyl acetate
Concen: 52.621 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 186145

Ion	Ratio	Lower	Upper
43	100		
70	41.4	33.7	50.5
55	22.8	18.6	27.8
61	23.5	19.1	28.7



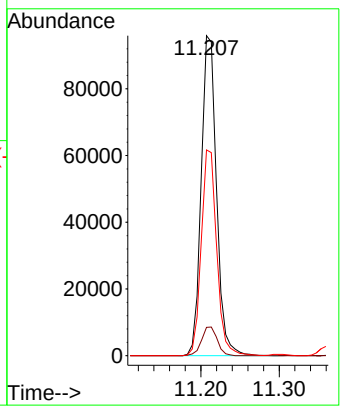


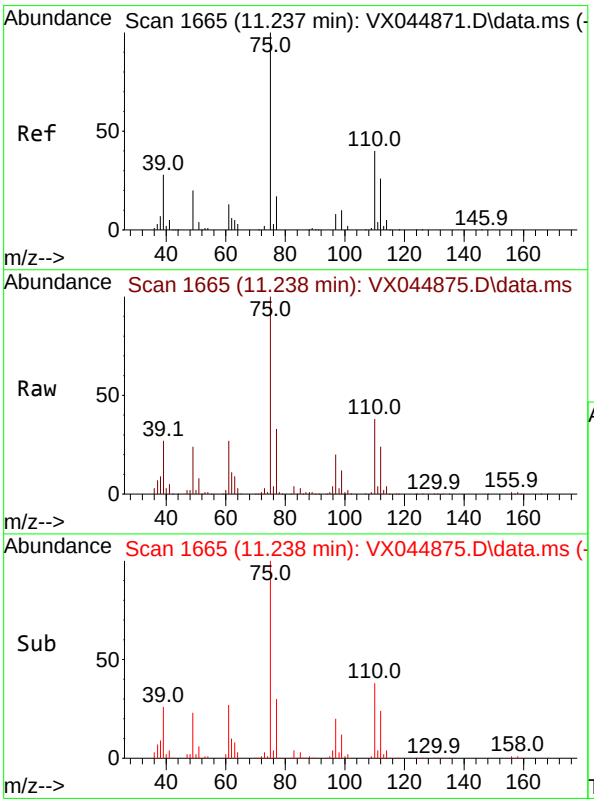
#75
1,1,2,2-Tetrachloroethane
Concen: 48.331 ug/l
RT: 11.207 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 83 Resp: 129829

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.5
85	65.1	32.3	96.8

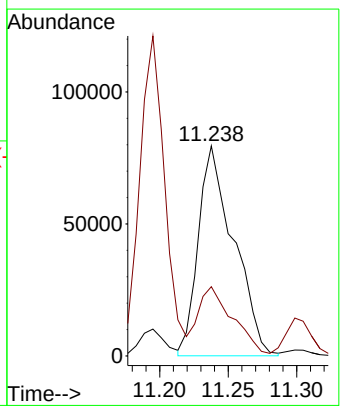


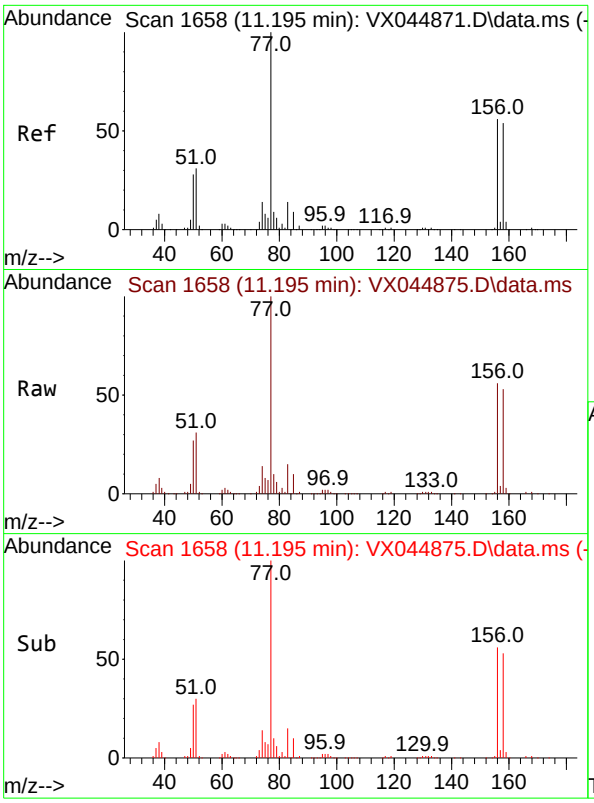


#76
1,2,3-Trichloropropane
Concen: 66.510 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 143167

Ion	Ratio	Lower	Upper
75	100		
77	32.6	21.9	65.7



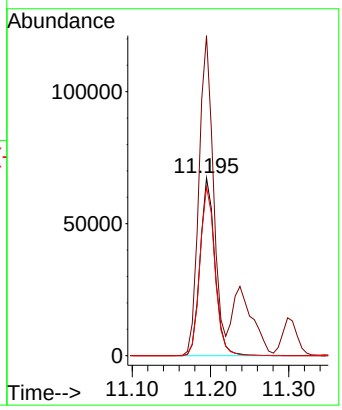


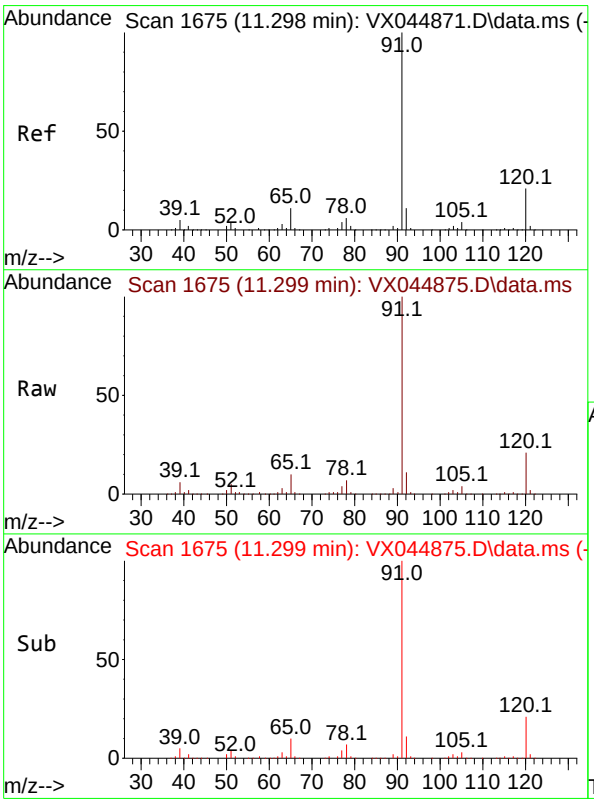
#77
Bromobenzene
Concen: 49.725 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:156 Resp: 88129

Ion	Ratio	Lower	Upper
156	100		
77	176.3	88.4	265.3
158	96.7	48.4	145.2

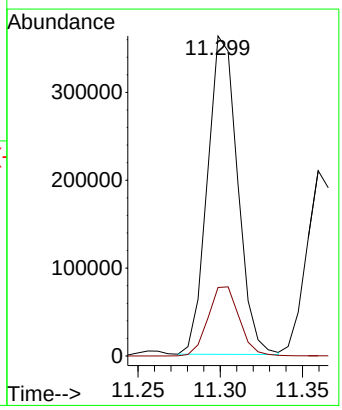


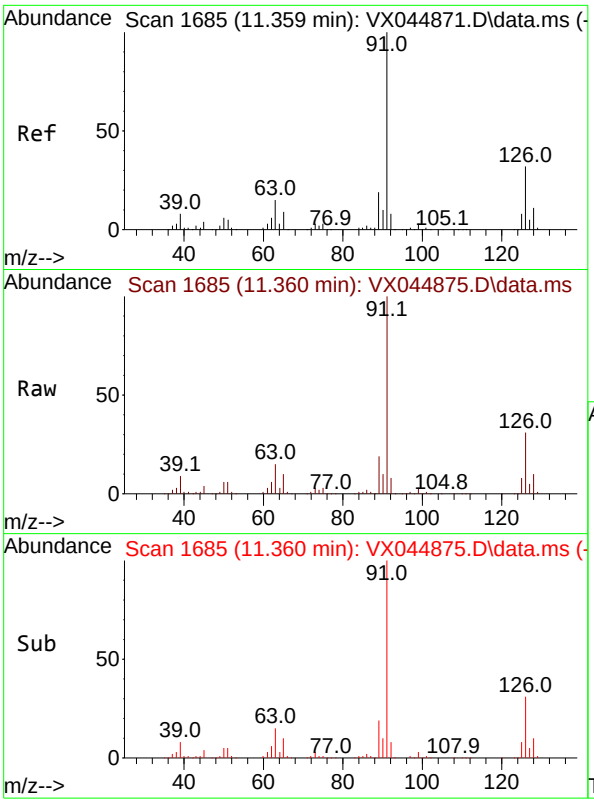


#78
n-propylbenzene
Concen: 51.386 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 463655

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3



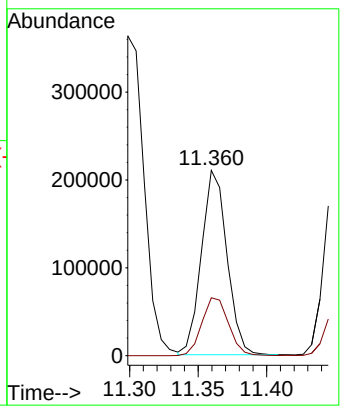


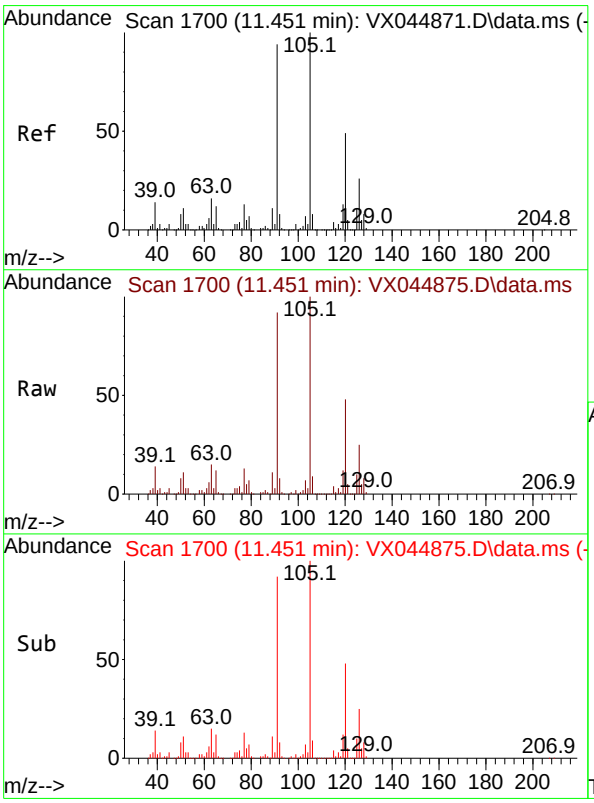
#79
2-Chlorotoluene
Concen: 49.065 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 91 Resp: 272091

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.2	48.6

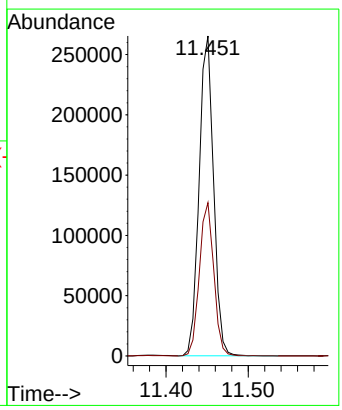


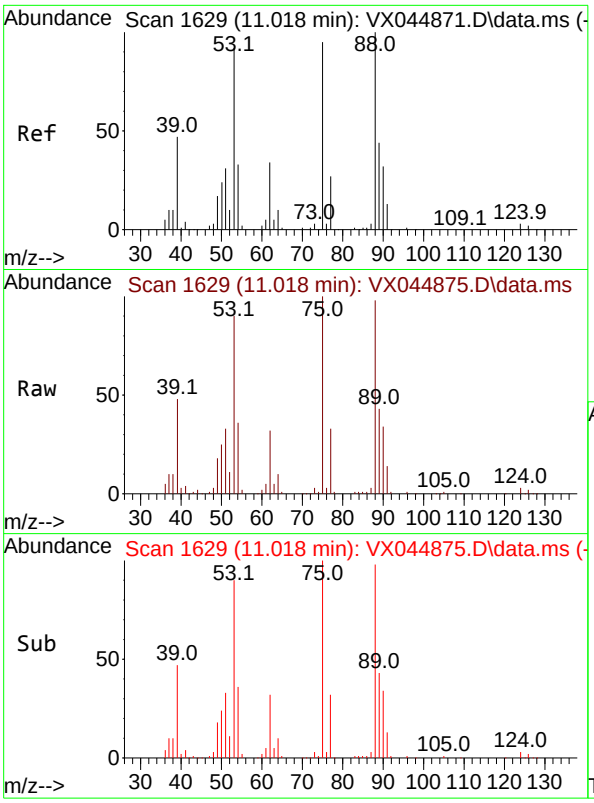


#80
1,3,5-Trimethylbenzene
Concen: 50.956 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 323251

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0



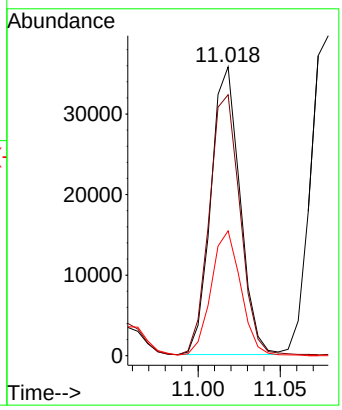


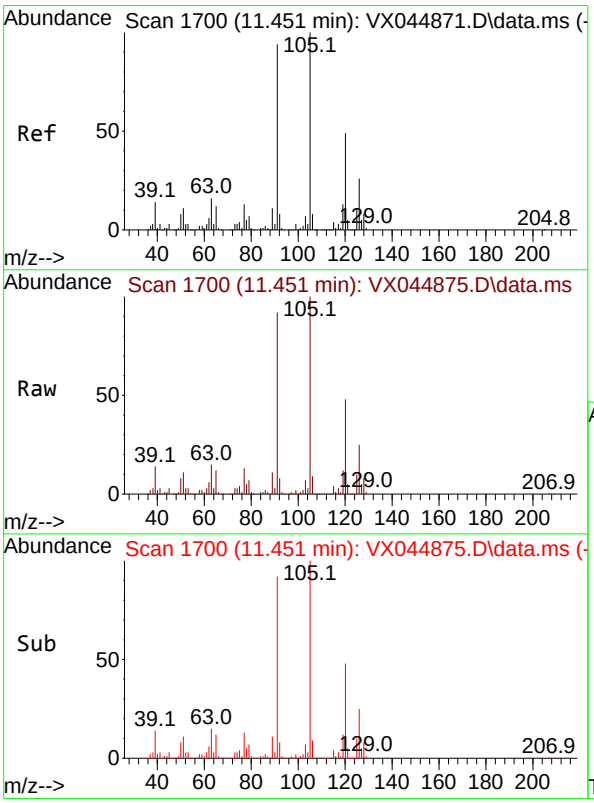
#81
trans-1,4-Dichloro-2-butene
Concen: 52.665 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 75 Resp: 44070

Ion	Ratio	Lower	Upper
75	100		
53	96.9	78.0	117.0
89	44.3	36.6	54.8

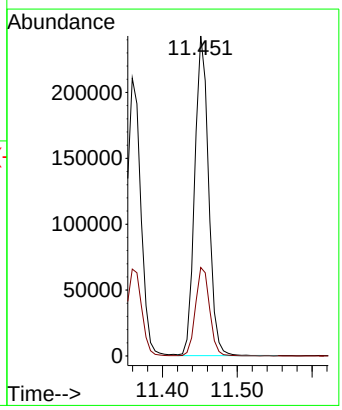


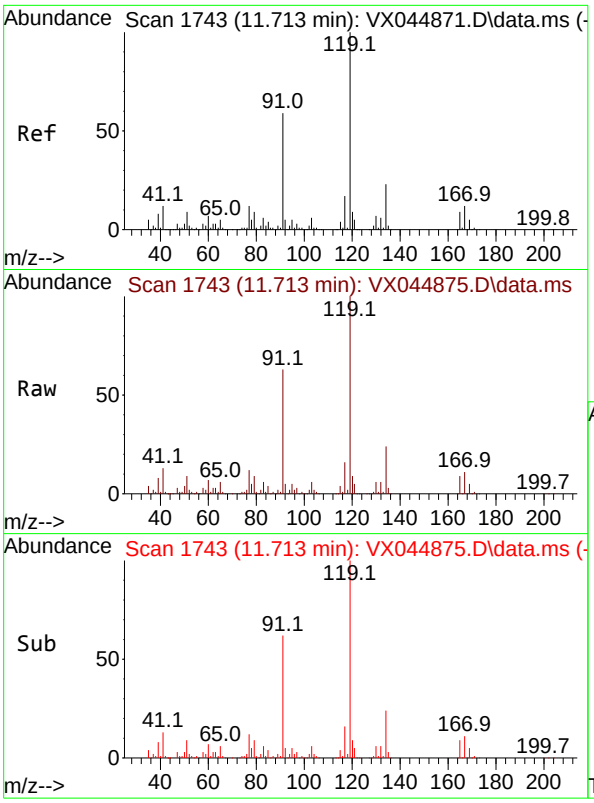


#82
4-Chlorotoluene
Concen: 50.872 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 312112

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.2	42.6



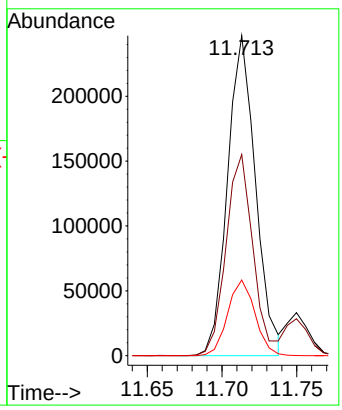


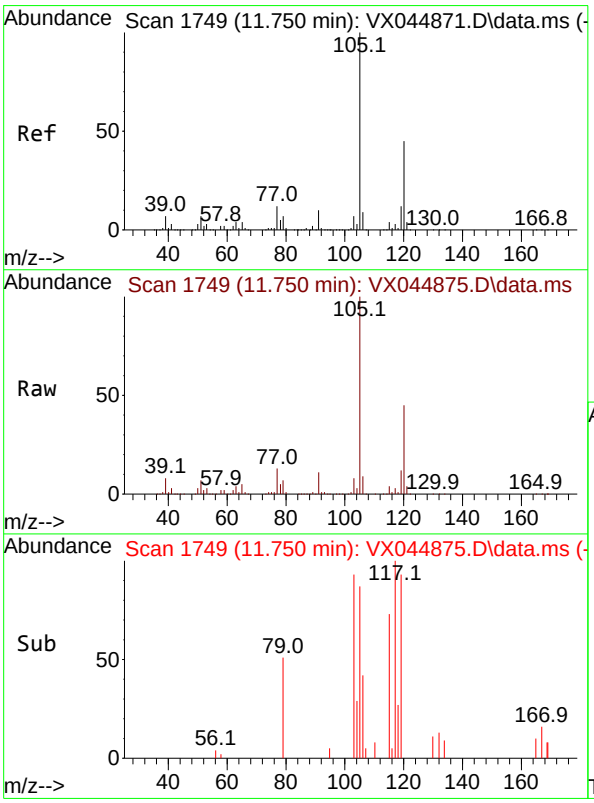
#83
tert-Butylbenzene
Concen: 50.139 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:119 Resp: 321772

Ion	Ratio	Lower	Upper
119	100		
91	60.7	29.1	87.4
134	23.0	11.5	34.5

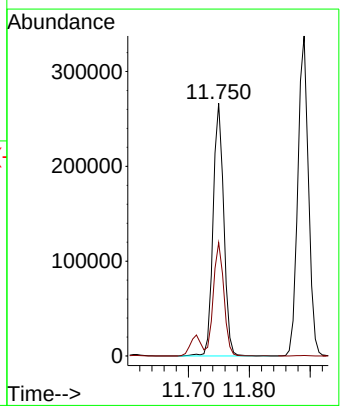


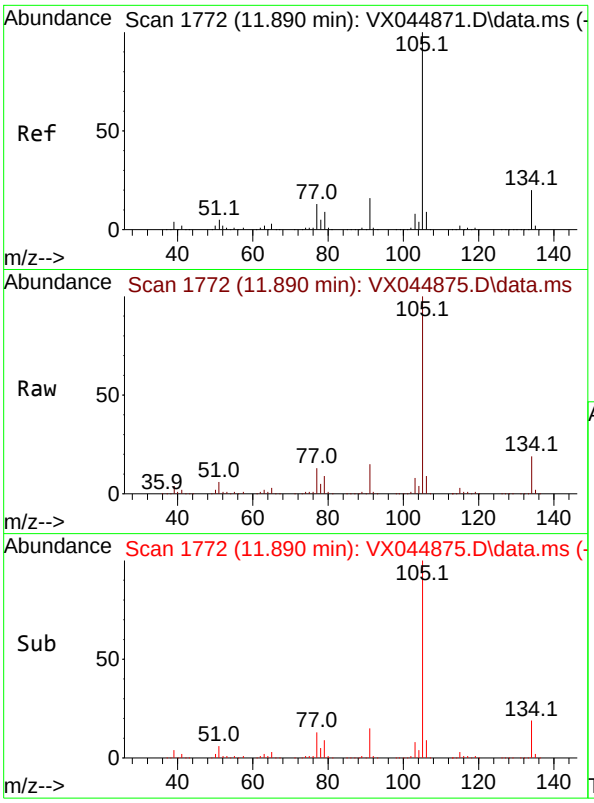


#84
1,2,4-Trimethylbenzene
Concen: 51.593 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 323035

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.0



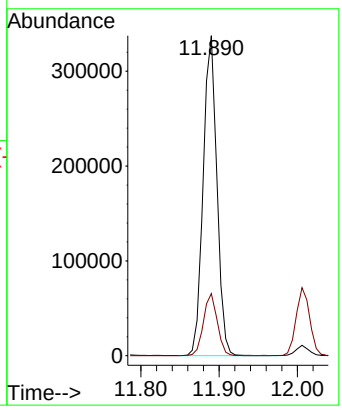


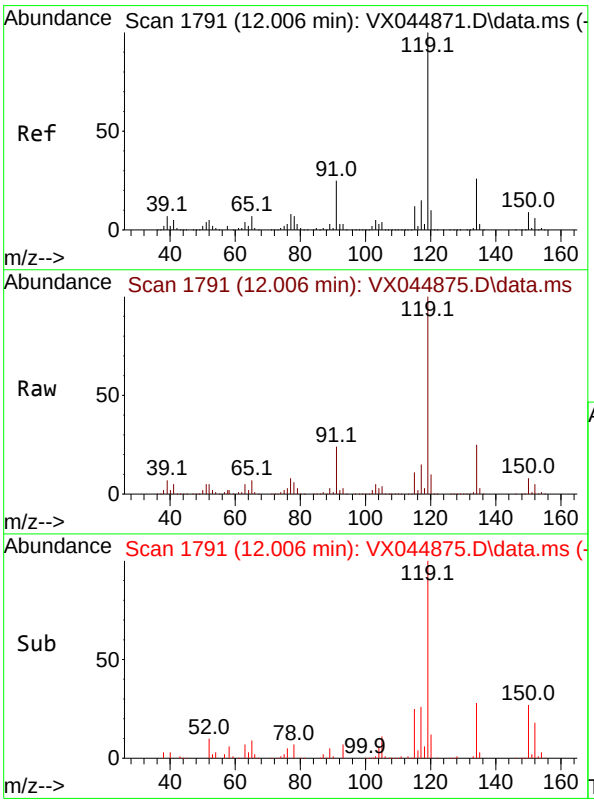
#85
sec-Butylbenzene
Concen: 51.617 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:105 Resp: 410197

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.3

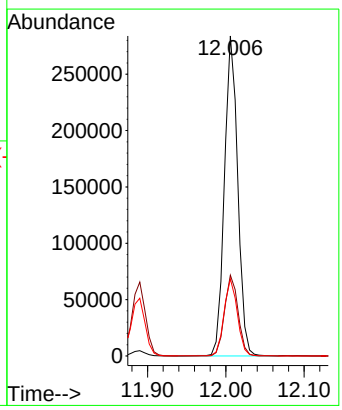


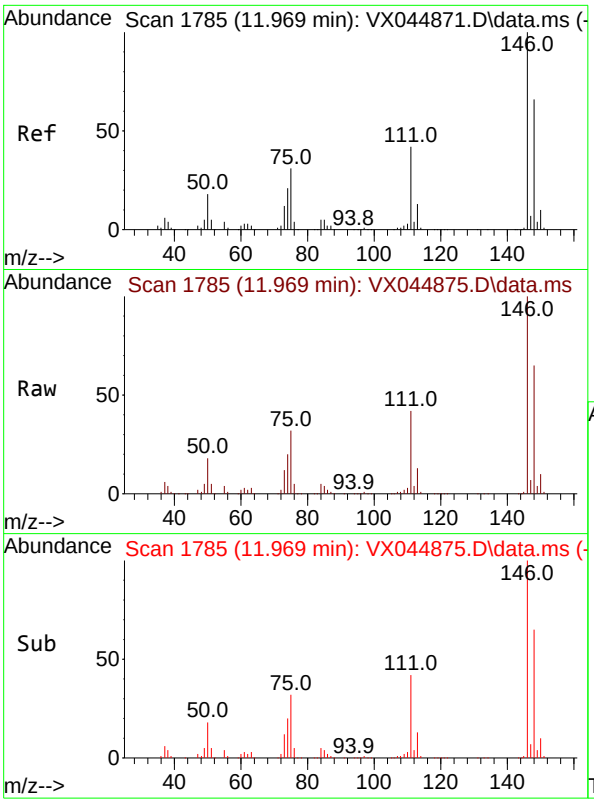


#86
p-Isopropyltoluene
Concen: 52.581 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:119 Resp: 336027

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.0	12.1	36.3



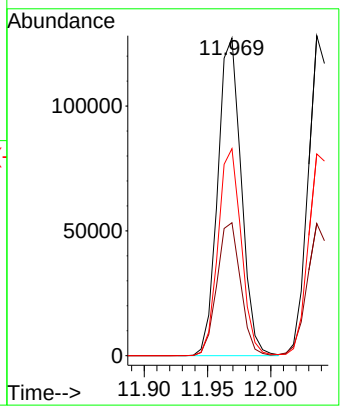


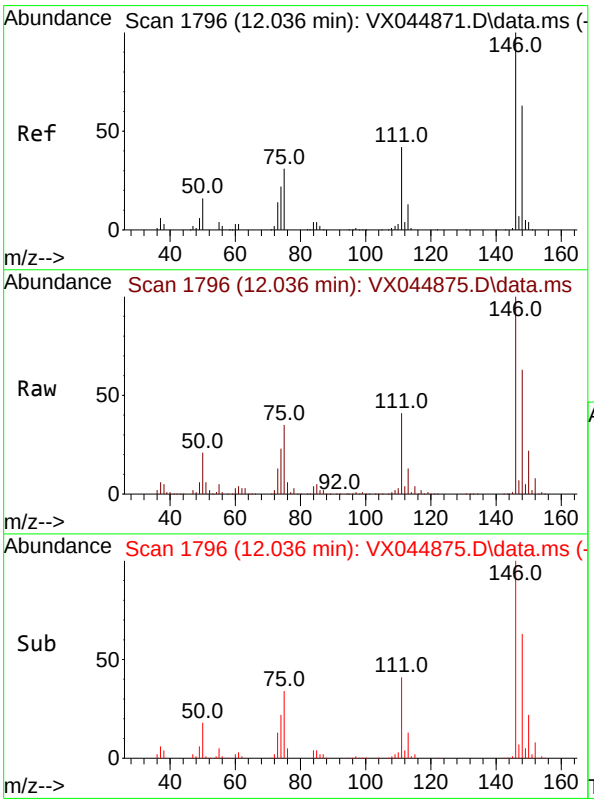
#87
1,3-Dichlorobenzene
Concen: 50.475 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:146 Resp: 164508

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	64.3	32.5	97.5

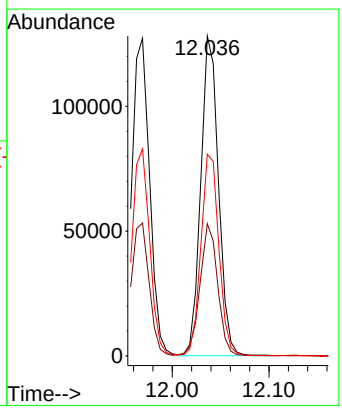


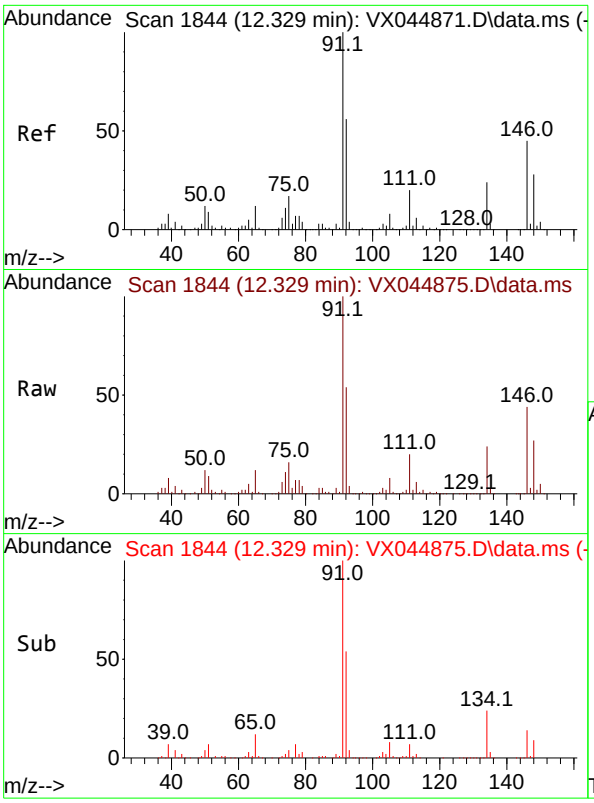


#88
1,4-Dichlorobenzene
Concen: 49.526 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:146 Resp: 163203

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.3
148	64.2	32.0	96.0



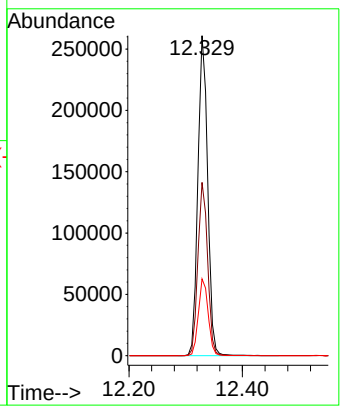


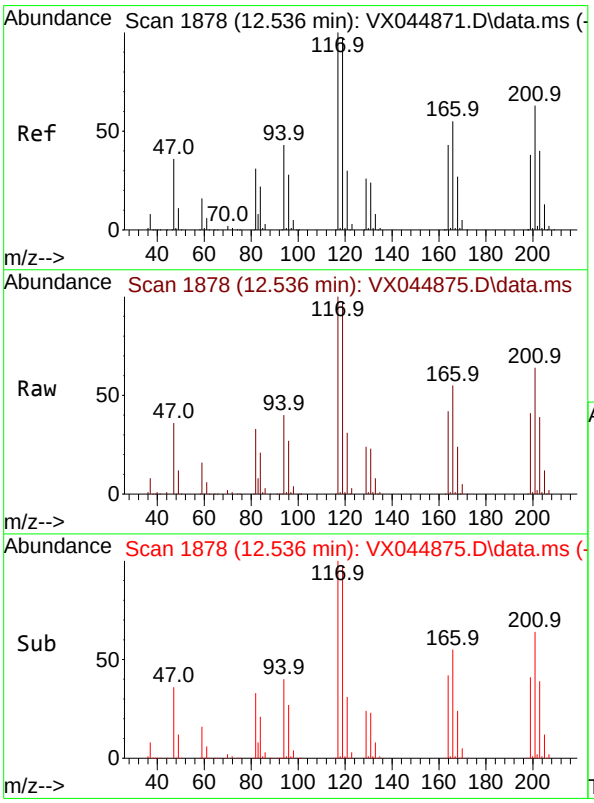
#89
n-Butylbenzene
Concen: 55.142 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 91 Resp: 311764

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.2	81.6
134	24.1	12.1	36.3

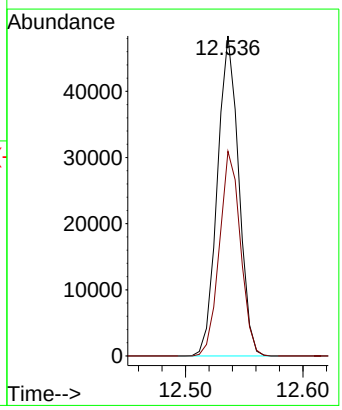


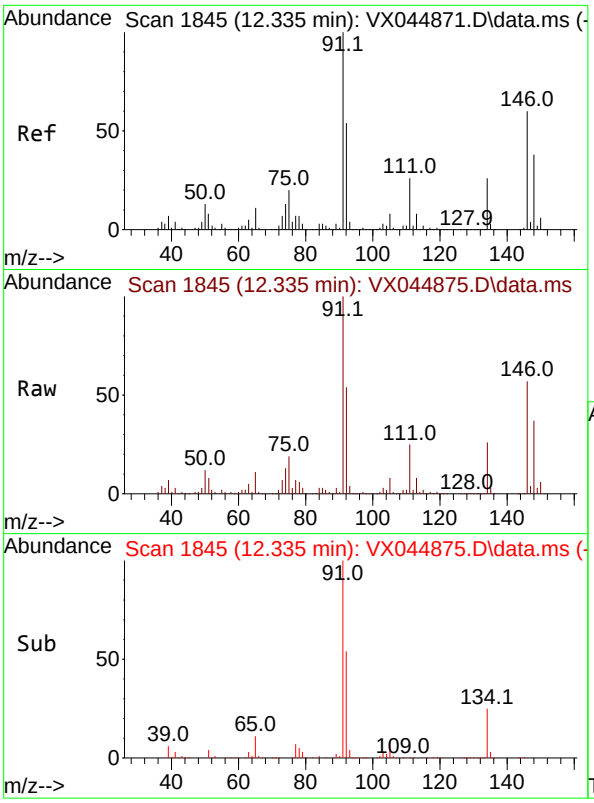


#90
Hexachloroethane
Concen: 50.990 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:117 Resp: 61016

Ion	Ratio	Lower	Upper
117	100		
201	63.1	32.5	97.5



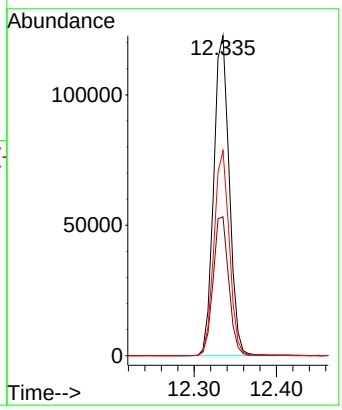


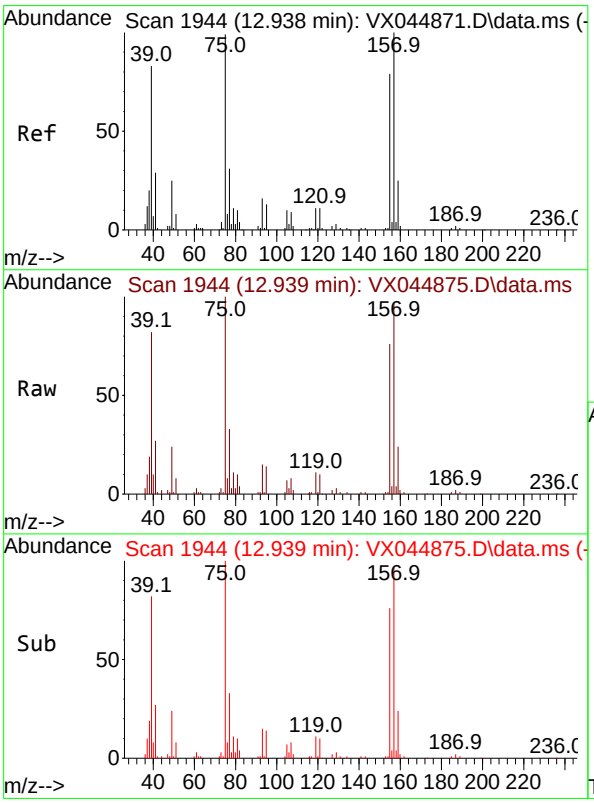
#91
1,2-Dichlorobenzene
Concen: 50.447 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:146 Resp: 161590

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.3	31.9	95.9

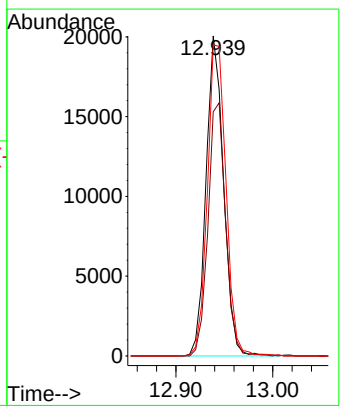


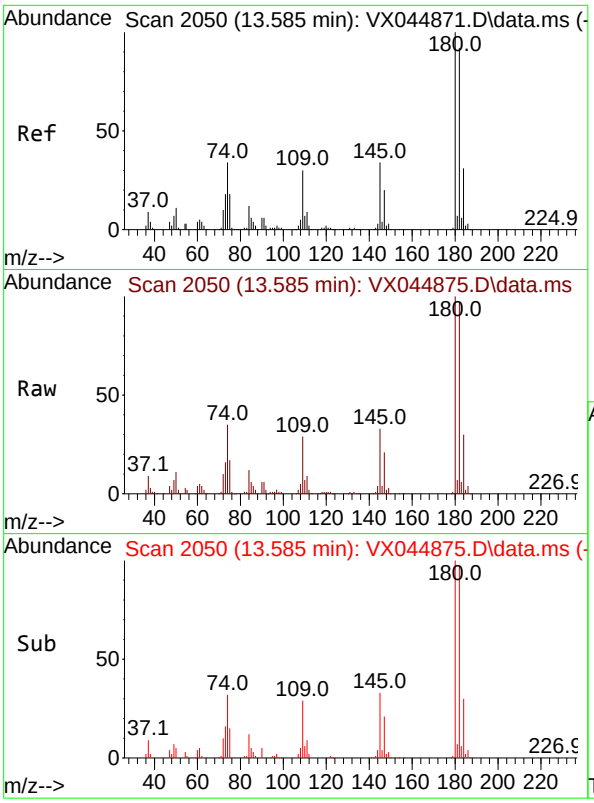


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.684 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 25339

Ion	Ratio	Lower	Upper
75	100		
155	79.5	40.5	121.4
157	103.5	51.4	154.3



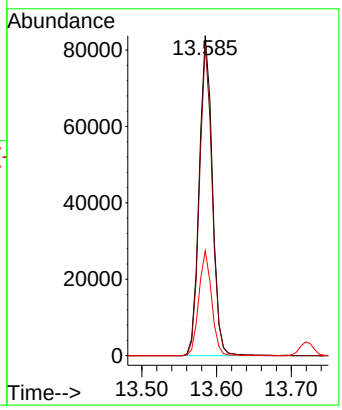


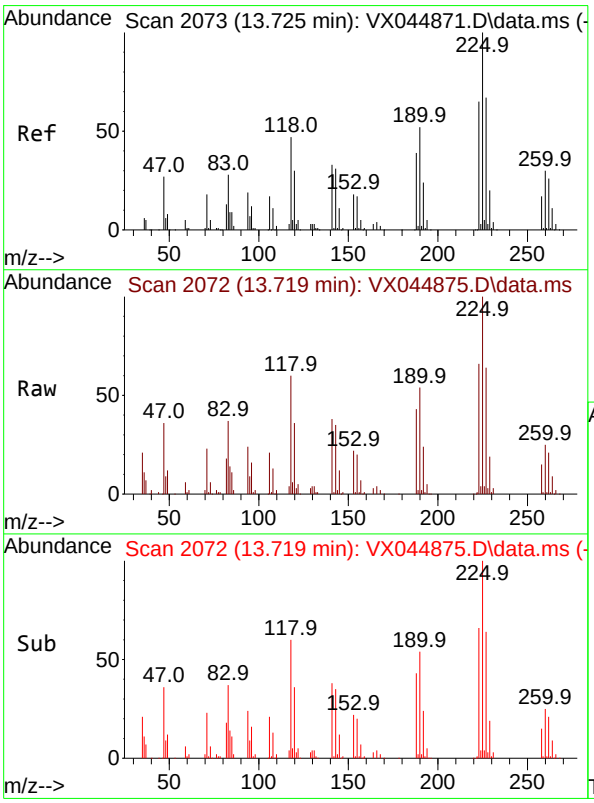
#93
1,2,4-Trichlorobenzene
Concen: 52.726 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:180 Resp: 102197

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.8
145	31.9	16.4	49.1

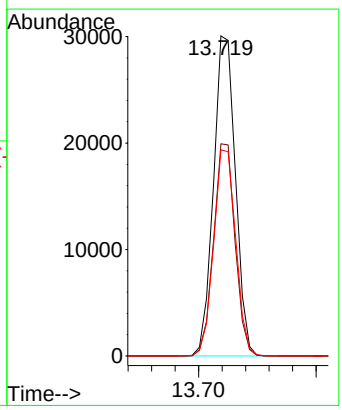


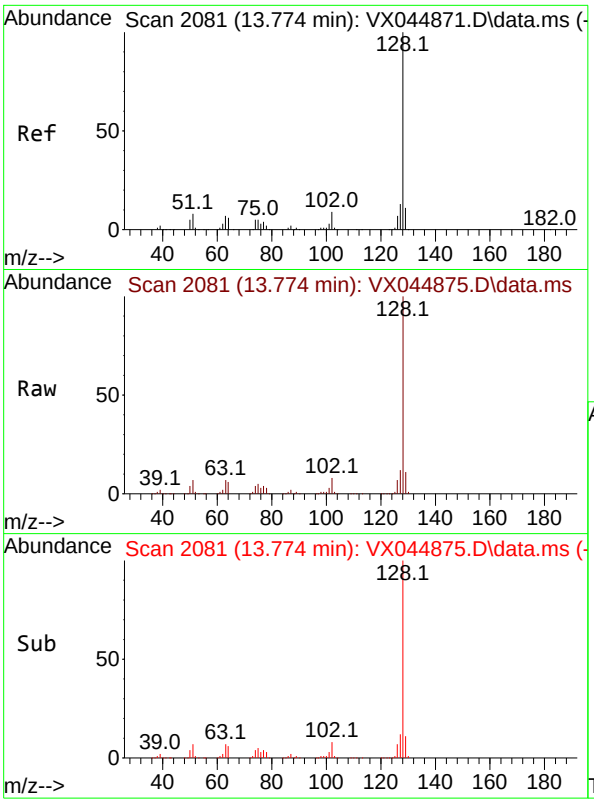


#94
Hexachlorobutadiene
Concen: 50.683 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:225 Resp: 38998

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.4	94.2
227	64.8	32.3	96.8



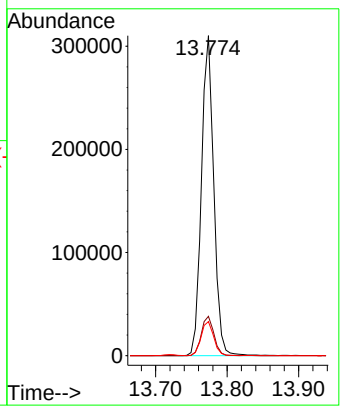


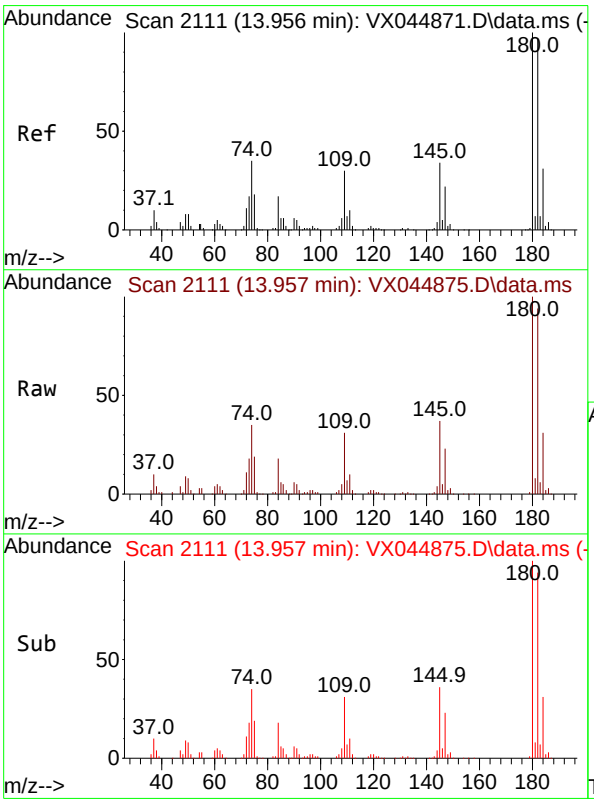
#95
Naphthalene
Concen: 53.033 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:128 Resp: 371576

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.9	13.3

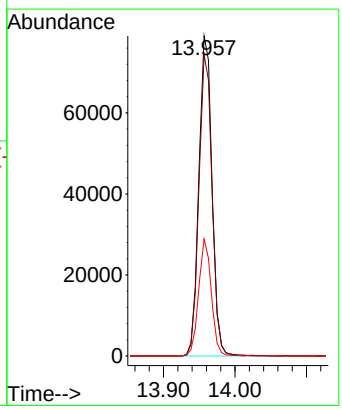




#96
1,2,3-Trichlorobenzene
Concen: 51.575 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:180 Resp: 100730

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.6
145	35.2	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 12 02:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	125474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	221806	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	200705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	89338	48.640	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.280%			
35) Dibromofluoromethane	5.373	113	71680	49.705	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.420%			
50) Toluene-d8	8.641	98	272926	50.049	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.100%			
62) 4-Bromofluorobenzene	11.079	95	94539	51.425	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	83442	47.415	ug/l	96
3) Chloromethane	1.300	50	96511	45.059	ug/l	97
4) Vinyl Chloride	1.374	62	94484	45.534	ug/l	100
5) Bromomethane	1.593	94	30080	48.444	ug/l	96
6) Chloroethane	1.666	64	41236	51.506	ug/l	98
7) Trichlorofluoromethane	1.874	101	125214	47.717	ug/l	99
8) Diethyl Ether	2.130	74	48238	50.688	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	76116	48.009	ug/l	98
10) Methyl Iodide	2.447	142	99655	48.499	ug/l	99
11) Tert butyl alcohol	2.989	59	81125	238.084	ug/l	99
12) 1,1-Dichloroethene	2.312	96	74712	46.197	ug/l	97
13) Acrolein	2.233	56	87432	248.698	ug/l	99
14) Allyl chloride	2.654	41	138850	47.506	ug/l	98
15) Acrylonitrile	3.056	53	218594	240.274	ug/l	99
16) Acetone	2.380	43	173556	235.052	ug/l	98
17) Carbon Disulfide	2.501	76	204689	46.155	ug/l	98
18) Methyl Acetate	2.697	43	111028	47.651	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	251205	48.819	ug/l	100
20) Methylene Chloride	2.782	84	84927	46.958	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	74888	47.048	ug/l	92
22) Diisopropyl ether	3.751	45	275541	49.830	ug/l	93
23) Vinyl Acetate	3.715	43	1147936	254.643	ug/l	100
24) 1,1-Dichloroethane	3.599	63	147936	47.814	ug/l	98
25) 2-Butanone	4.550	43	292704	244.126	ug/l	96
26) 2,2-Dichloropropane	4.465	77	118943	48.476	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	91876	48.054	ug/l	99
28) Bromochloromethane	4.885	49	63054	42.406	ug/l	98
29) Tetrahydrofuran	4.995	42	192811	242.178	ug/l	99
30) Chloroform	5.086	83	143782	47.919	ug/l	100
31) Cyclohexane	5.458	56	135237	47.412	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	121149	47.601	ug/l	98
36) 1,1-Dichloropropene	5.684	75	99764	47.950	ug/l	99
37) Ethyl Acetate	4.708	43	113342	48.977	ug/l	99
38) Carbon Tetrachloride	5.666	117	99680	48.890	ug/l	97
39) Methylcyclohexane	7.373	83	141217	52.500	ug/l	97
40) Benzene	6.025	78	321371	49.466	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 12 02:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	64313	51.920 ug/l	99
42) 1,2-Dichloroethane	6.074	62	106806	51.582 ug/l	100
43) Isopropyl Acetate	6.330	43	192468	51.503 ug/l	99
44) Trichloroethene	7.116	130	74009	49.838 ug/l	98
45) 1,2-Dichloropropane	7.421	63	82208	50.862 ug/l	99
46) Dibromomethane	7.574	93	56698	50.583 ug/l	99
47) Bromodichloromethane	7.811	83	114110	52.576 ug/l	98
48) Methyl methacrylate	7.683	41	91692	52.037 ug/l	99
49) 1,4-Dioxane	7.659	88	38686	1023.303 ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	588239	258.917 ug/l	99
52) Toluene	8.714	92	198031	51.182 ug/l	99
53) t-1,3-Dichloropropene	8.970	75	116558	53.069 ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	129895	53.044 ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	76273	51.281 ug/l	98
56) Ethyl methacrylate	9.110	69	126768	52.771 ug/l	99
57) 1,3-Dichloropropane	9.305	76	133222	51.191 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	361927	306.841 ug/l	99
59) 2-Hexanone	9.427	43	425326	259.830 ug/l	99
60) Dibromochloromethane	9.518	129	83627	52.573 ug/l	100
61) 1,2-Dibromoethane	9.604	107	77591	51.469 ug/l	100
64) Tetrachloroethene	9.269	164	60113	47.492 ug/l	99
65) Chlorobenzene	10.073	112	210623	48.859 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	68219	49.166 ug/l	99
67) Ethyl Benzene	10.189	91	377075	49.568 ug/l	100
68) m/p-Xylenes	10.299	106	280582	99.986 ug/l	99
69) o-Xylene	10.640	106	138735	49.270 ug/l	100
70) Styrene	10.652	104	230163	50.735 ug/l	99
71) Bromoform	10.799	173	53037	51.218 ug/l #	99
73) Isopropylbenzene	10.957	105	354838	49.263 ug/l	99
74) N-amyl acetate	10.841	43	166229	51.000 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	117303	47.393 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	125348	63.199 ug/l	83
77) Bromobenzene	11.195	156	79799	48.866 ug/l	99
78) n-propylbenzene	11.299	91	420391	50.565 ug/l	100
79) 2-Chlorotoluene	11.360	91	243433	47.642 ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	288797	49.408 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	37854	49.096 ug/l	99
82) 4-Chlorotoluene	11.451	91	277142	49.026 ug/l	99
83) tert-Butylbenzene	11.713	119	294574	49.817 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	291318	50.496 ug/l	99
85) sec-Butylbenzene	11.884	105	368710	50.355 ug/l	100
86) p-Isopropyltoluene	12.006	119	301888	51.268 ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	148060	49.304 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	146583	48.277 ug/l	99
89) n-Butylbenzene	12.329	91	278914	53.540 ug/l	100
90) Hexachloroethane	12.536	117	55271	50.129 ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	144478	48.952 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22187	49.115 ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	90876	50.885 ug/l	100
94) Hexachlorobutadiene	13.719	225	35673	50.316 ug/l	99
95) Naphthalene	13.774	128	325482	50.417 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	89533	49.753 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 12 02:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

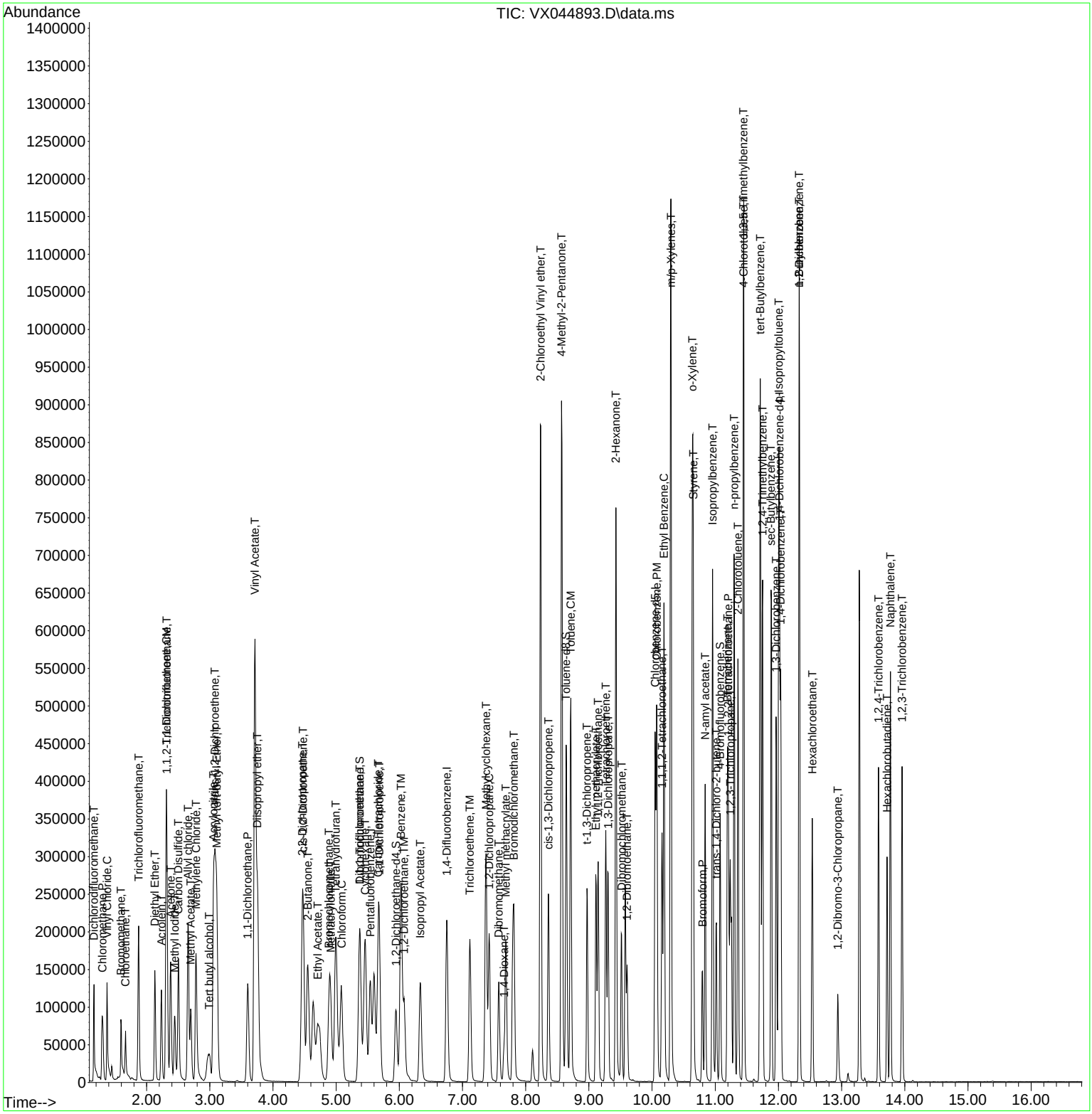
(#) = qualifier out of range (m) = manual integration (+) = signals summed

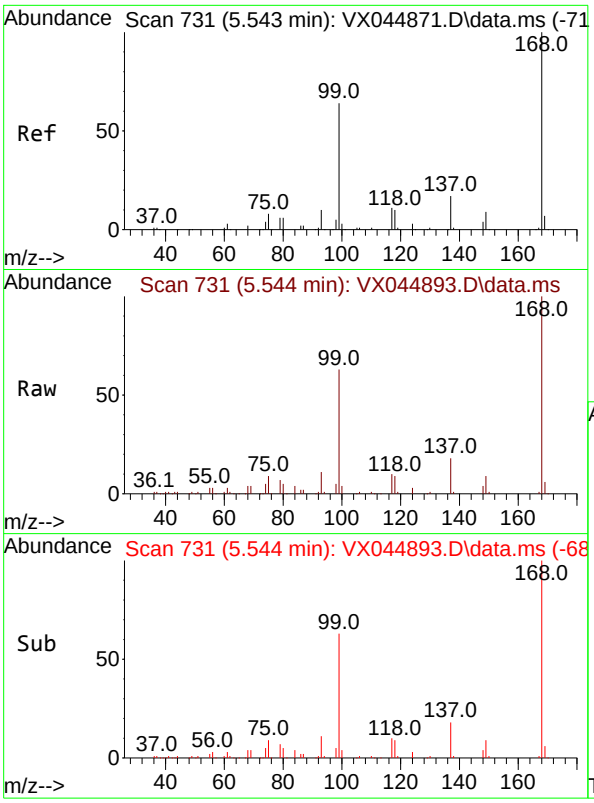
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 12 02:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



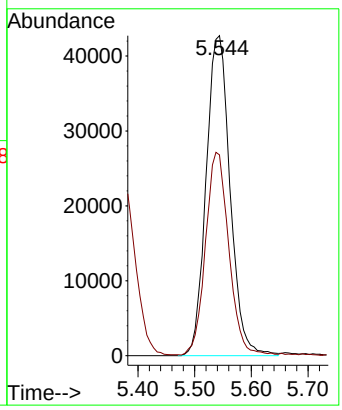


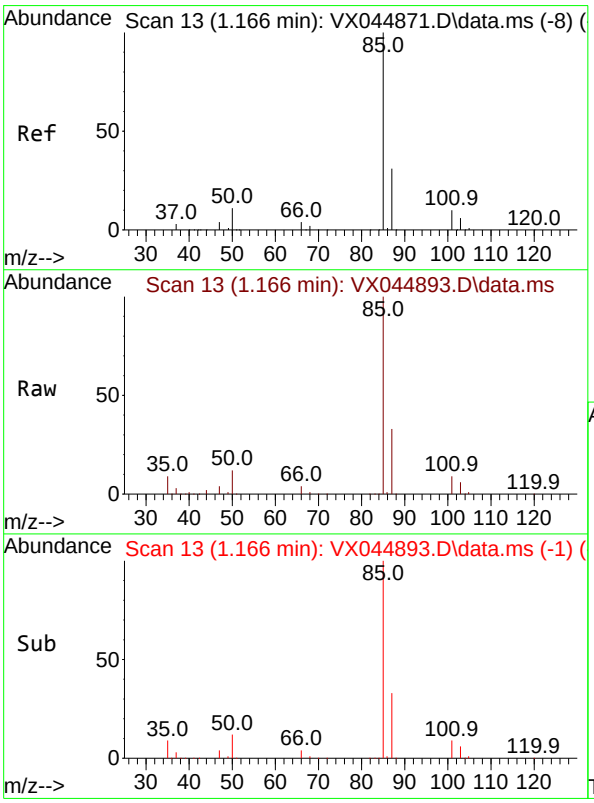
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 125474

Ion	Ratio	Lower	Upper
168	100		
99	62.4	51.2	76.8

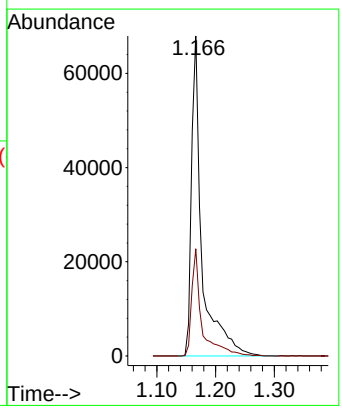


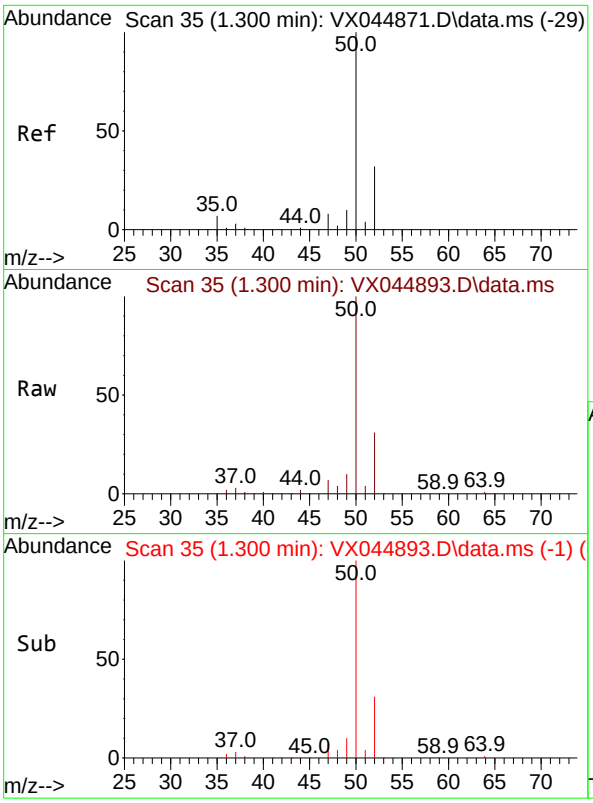


#2
Dichlorodifluoromethane
Concen: 47.415 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 85 Resp: 83442

Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.8	47.3



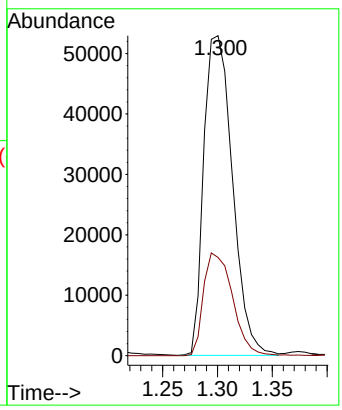


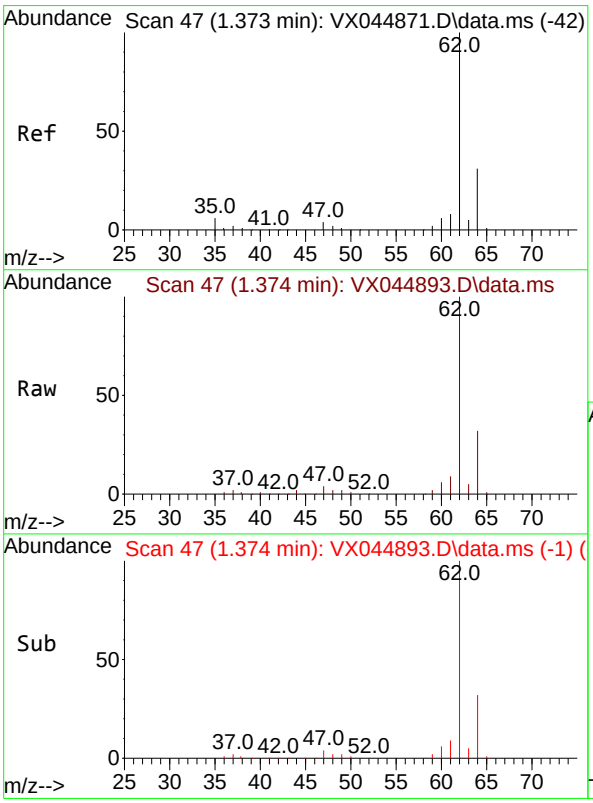
#3
Chloromethane
Concen: 45.059 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 96511

Ion	Ratio	Lower	Upper
50	100		
52	30.7	25.9	38.9

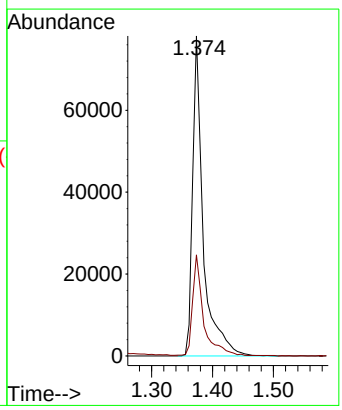


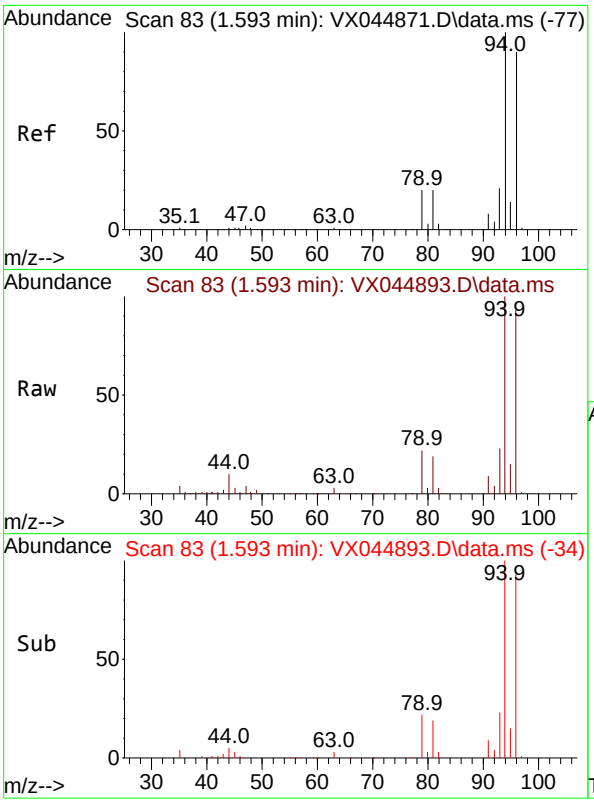


#4
Vinyl Chloride
Concen: 45.534 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 62 Resp: 94484

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.4	38.0



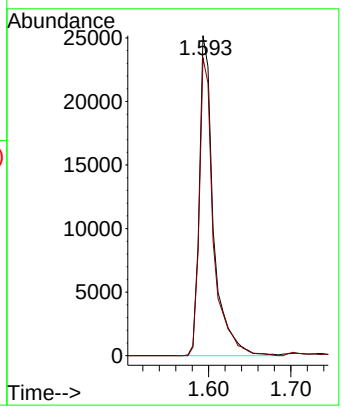


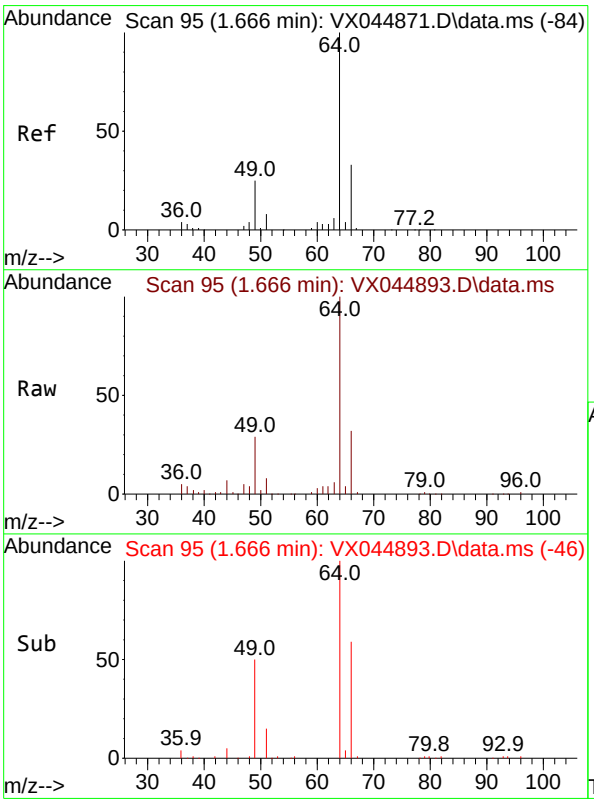
#5
Bromomethane
Concen: 48.444 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 30080

Ion	Ratio	Lower	Upper
94	100		
96	93.0	71.6	107.4

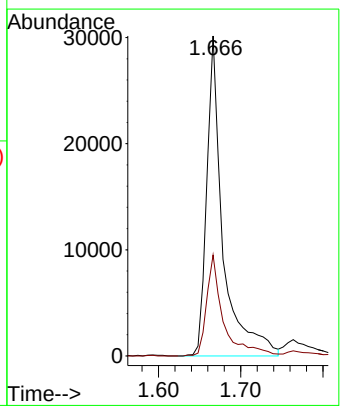


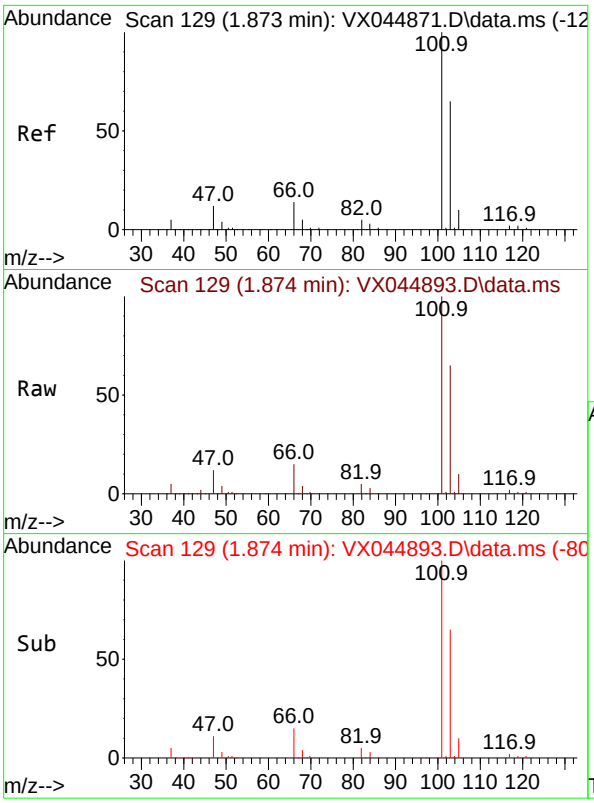


#6
Chloroethane
Concen: 51.506 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 64 Resp: 41236

Ion	Ratio	Lower	Upper
64	100		
66	31.6	25.9	38.9



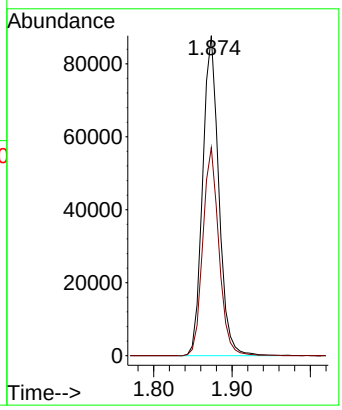


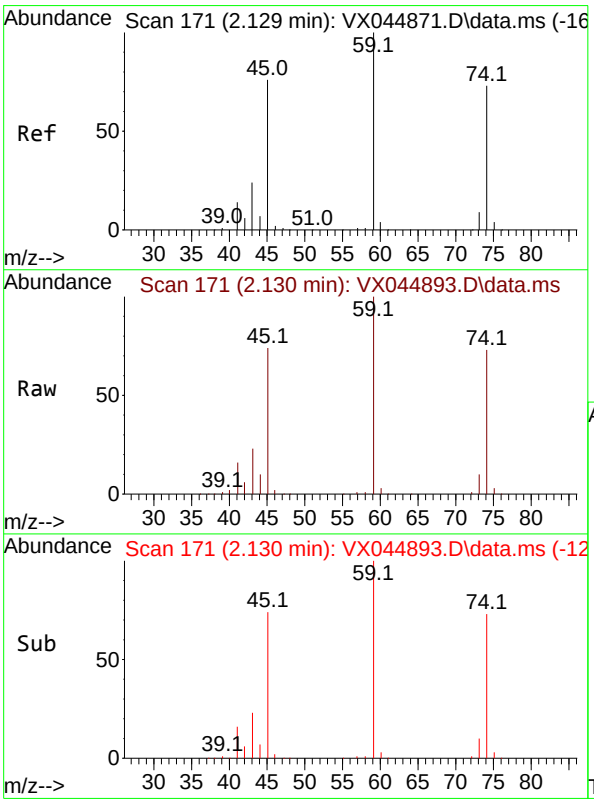
#7
Trichlorofluoromethane
Concen: 47.717 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 125214

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.4	78.6

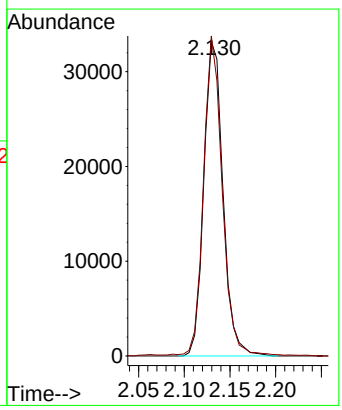


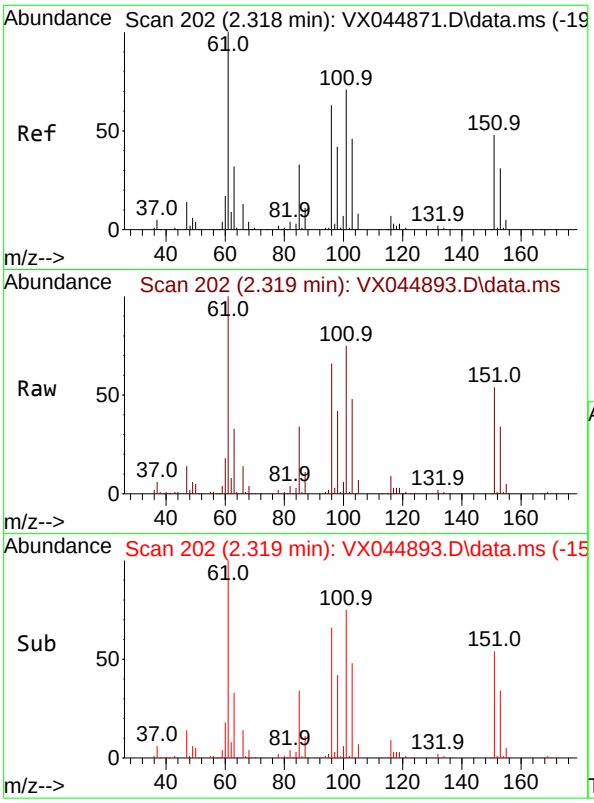


#8
Diethyl Ether
Concen: 50.688 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 74 Resp: 48238

Ion	Ratio	Lower	Upper
74	100		
45	100.0	51.1	153.4



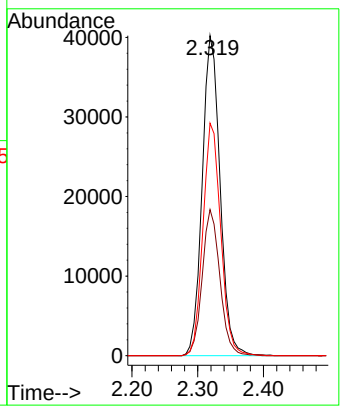


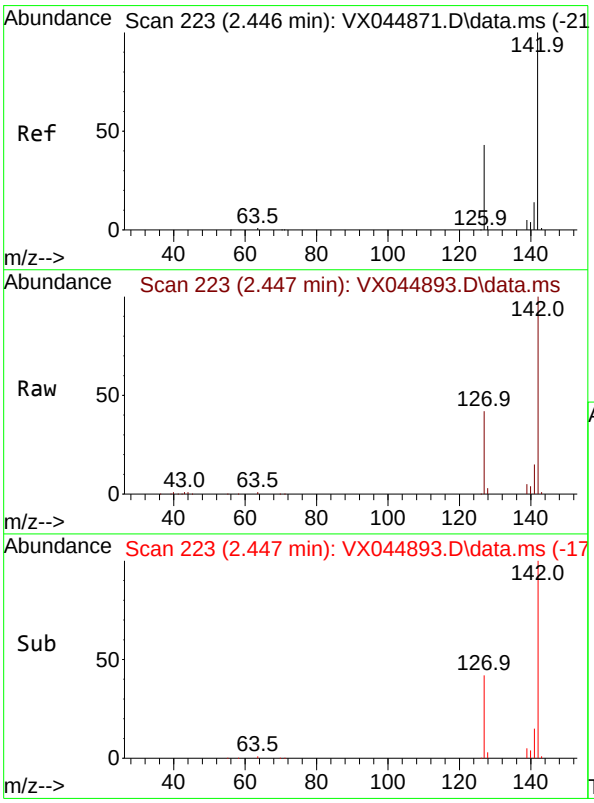
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.009 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 76116

Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.7	53.5
151	72.4	56.0	84.0

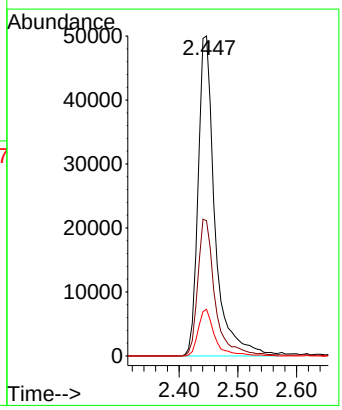


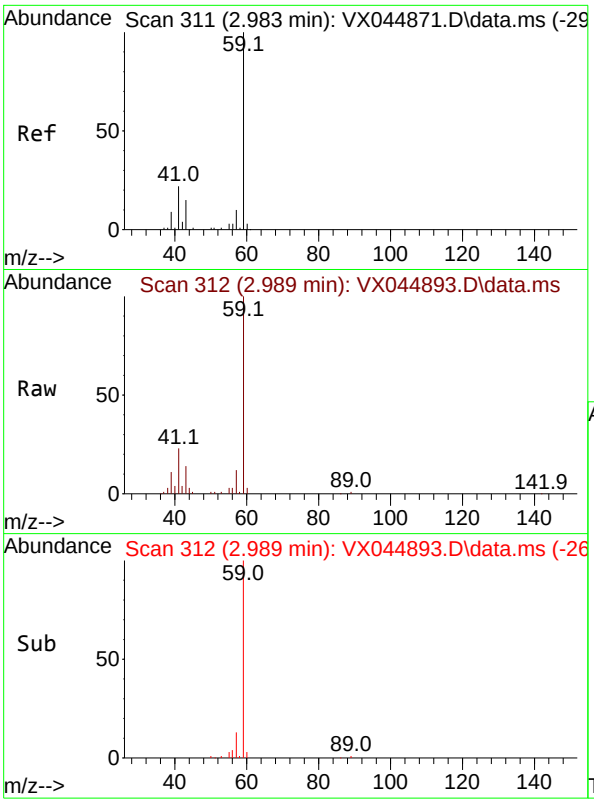


#10
Methyl Iodide
Concen: 48.499 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:142 Resp: 99655

Ion	Ratio	Lower	Upper
142	100		
127	43.9	34.3	51.5
141	14.5	11.4	17.2



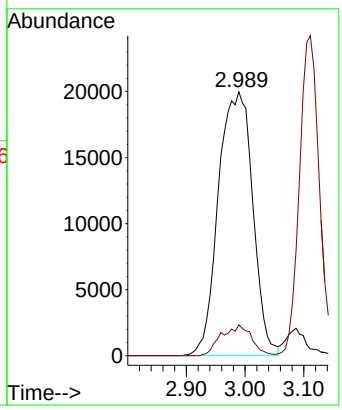


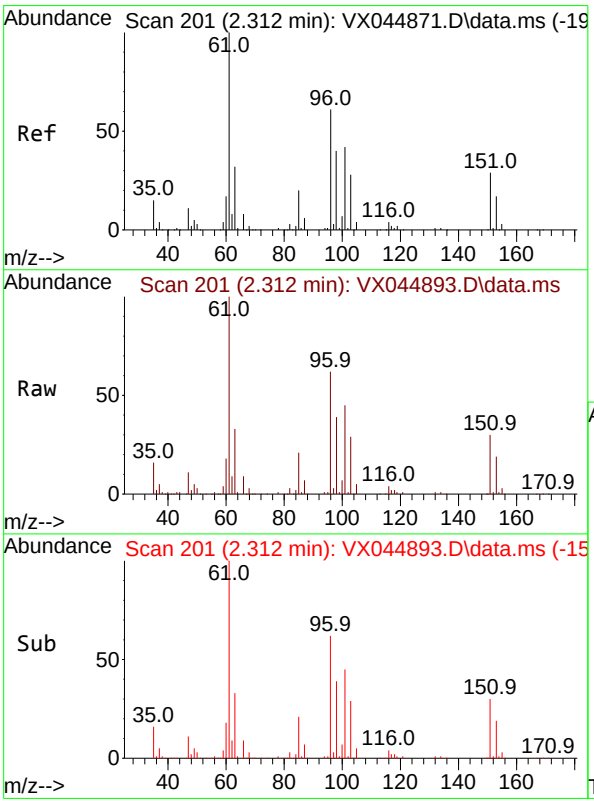
#11
Tert butyl alcohol
Concen: 238.084 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 81125

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

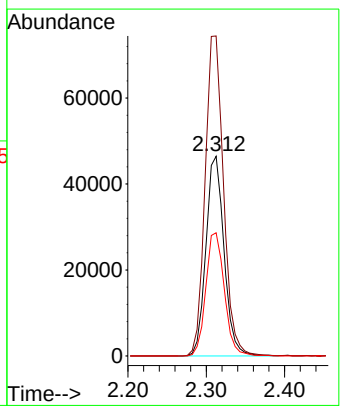


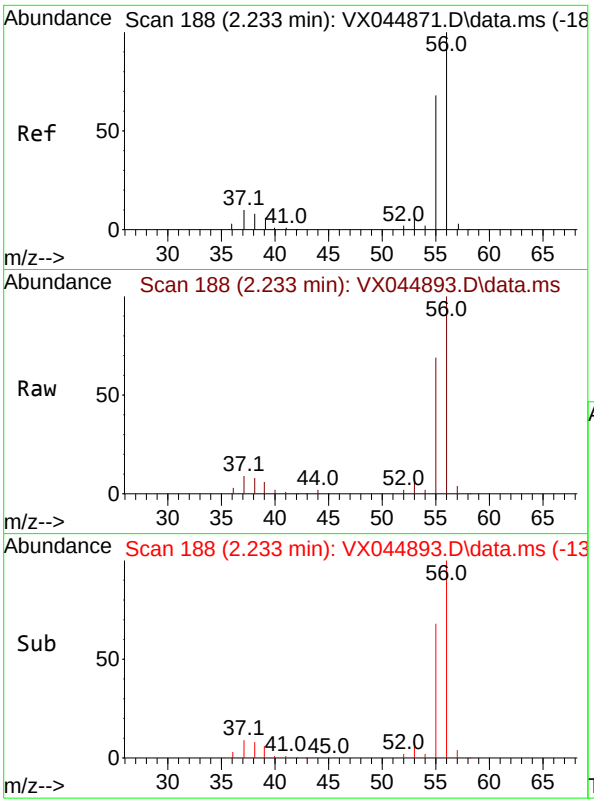


#12
1,1-Dichloroethene
Concen: 46.197 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 96 Resp: 74712

Ion	Ratio	Lower	Upper
96	100		
61	160.2	130.2	195.4
98	61.7	52.2	78.4



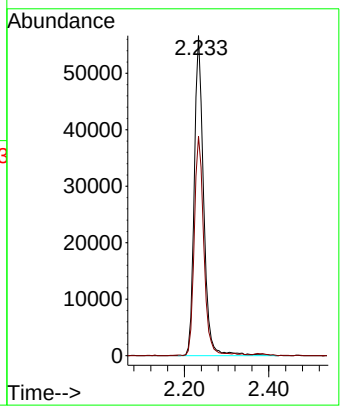


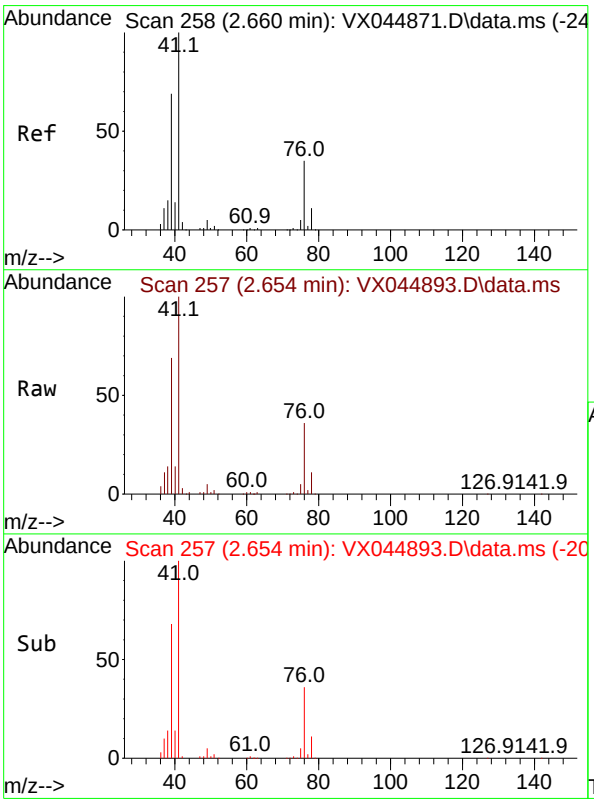
#13
Acrolein
Concen: 248.698 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 87432

Ion	Ratio	Lower	Upper
56	100		
55	70.5	55.7	83.5

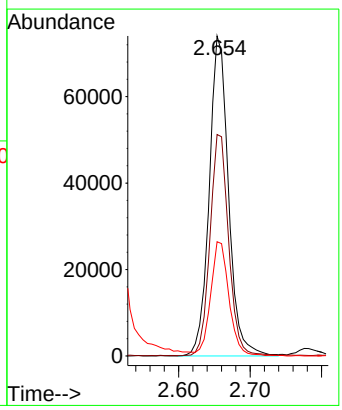


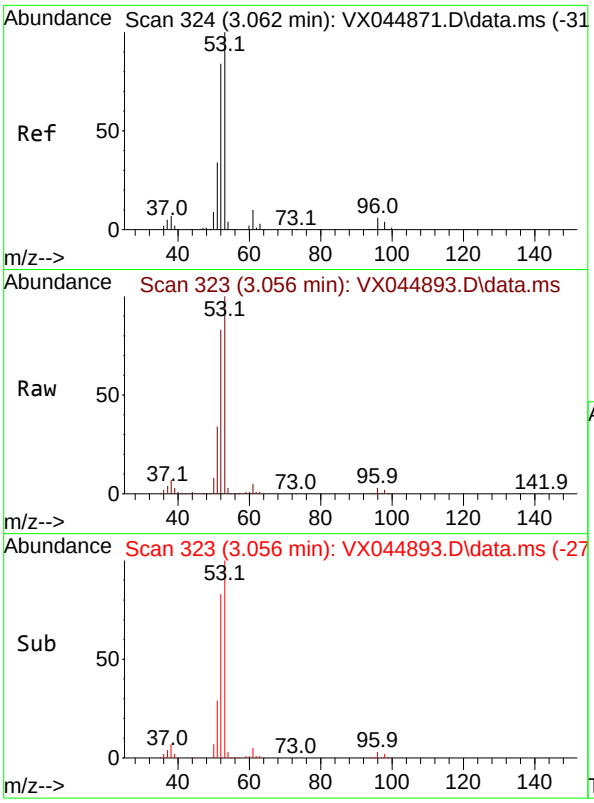


#14
Allyl chloride
Concen: 47.506 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 41 Resp: 138850

Ion	Ratio	Lower	Upper
41	100		
39	66.6	51.4	77.2
76	34.0	27.0	40.4



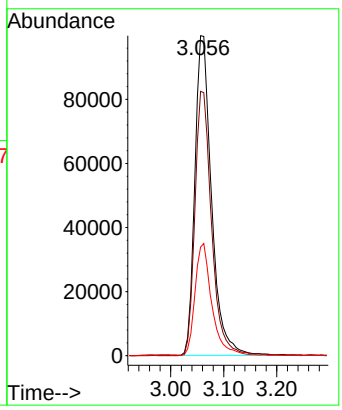


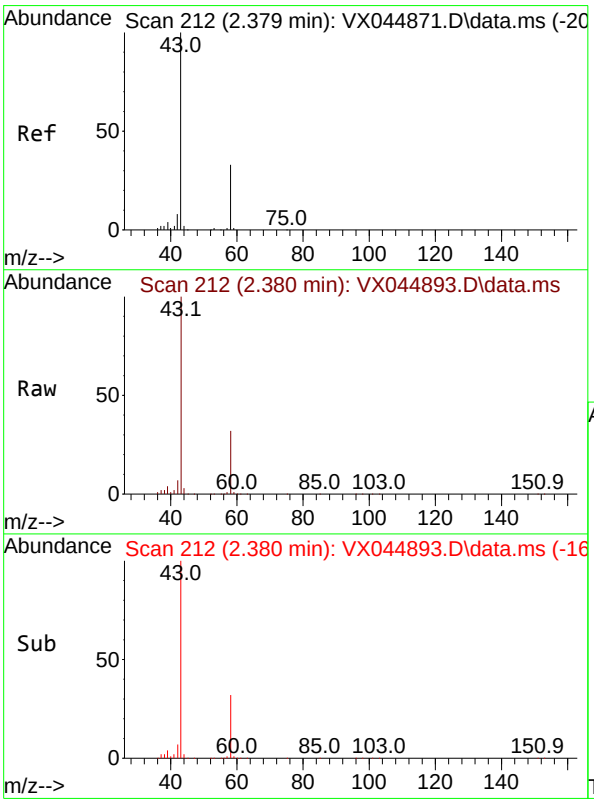
#15
Acrylonitrile
Concen: 240.274 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 218594

Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.0	97.6
51	34.9	28.0	42.0

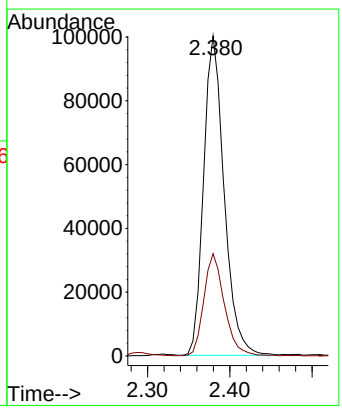


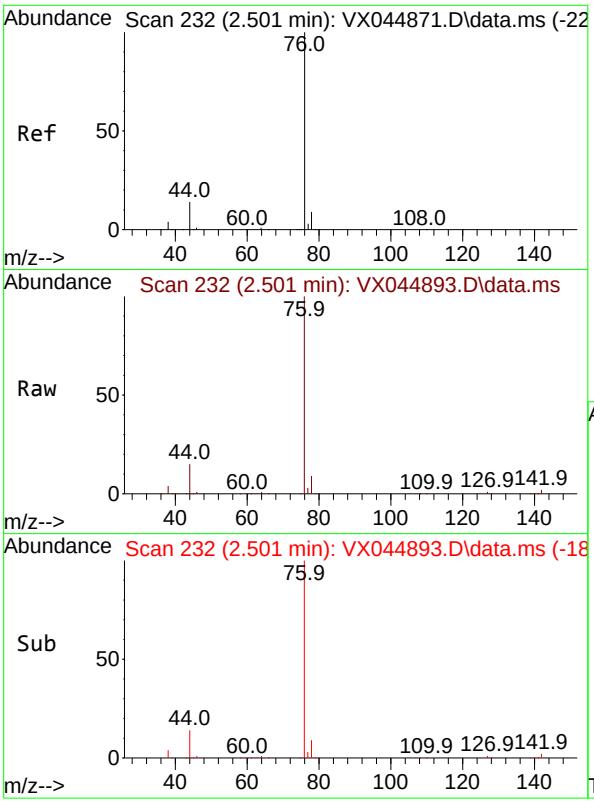


#16
Acetone
Concen: 235.052 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 173556

Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.5	39.7



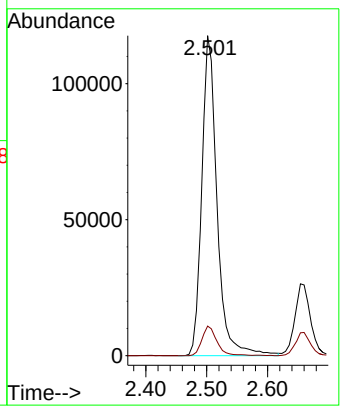


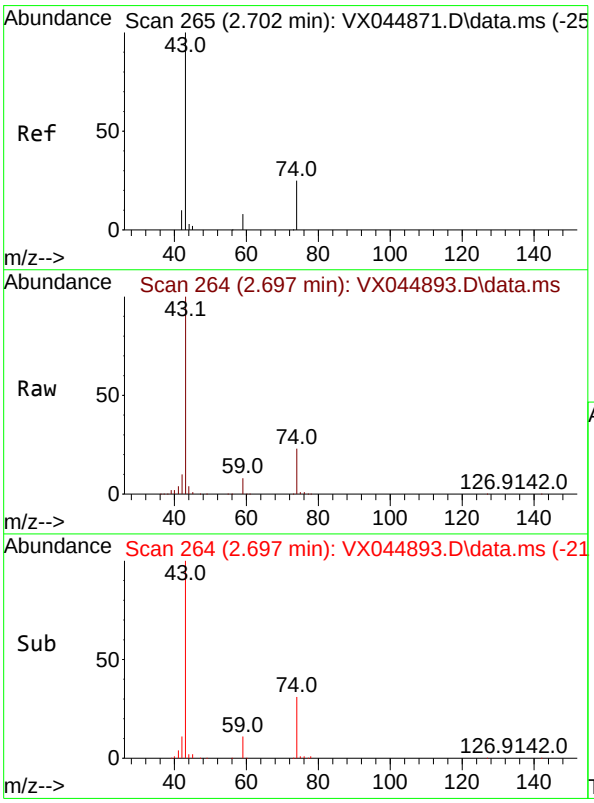
#17
Carbon Disulfide
Concen: 46.155 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 204689

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

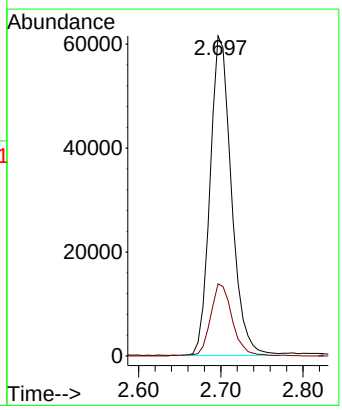


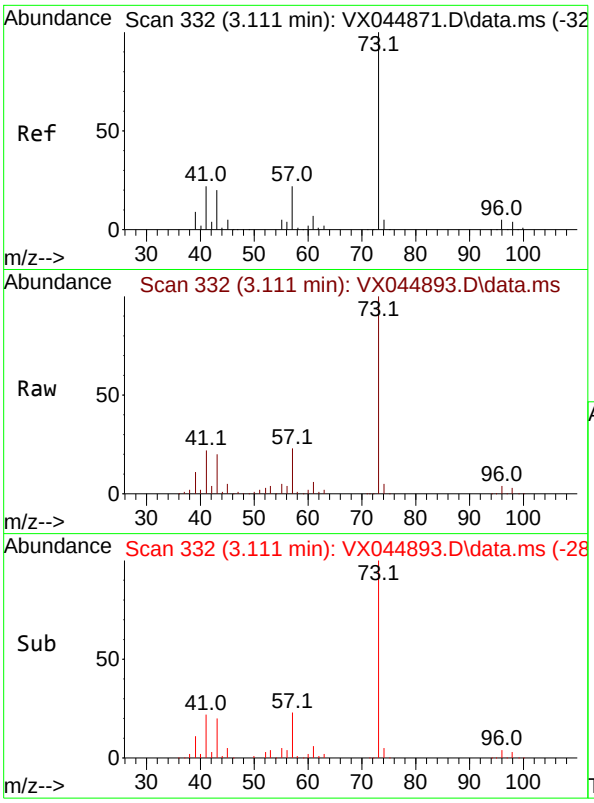


#18
Methyl Acetate
Concen: 47.651 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 111028

Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.9	28.3



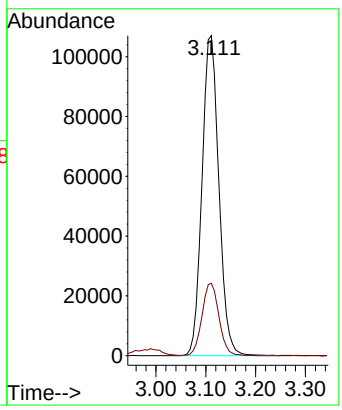


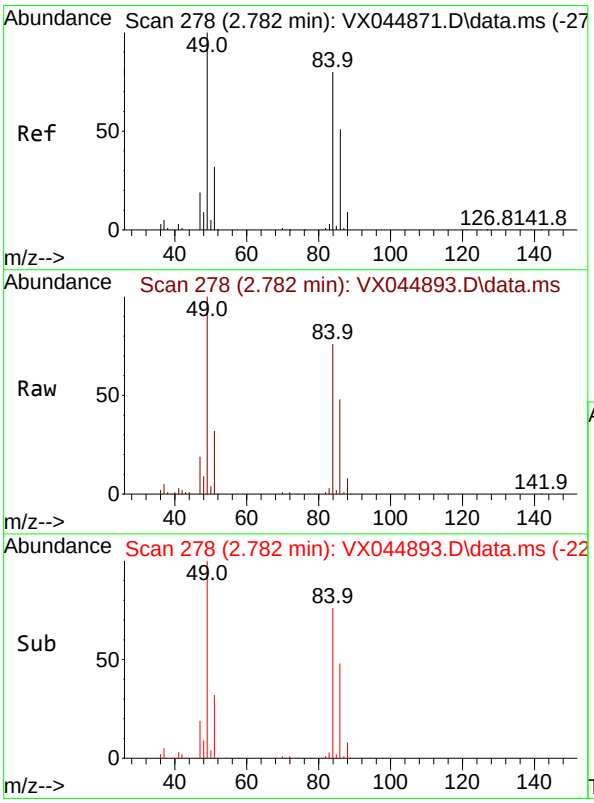
#19
Methyl tert-butyl Ether
Concen: 48.819 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 251205

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.9	26.9

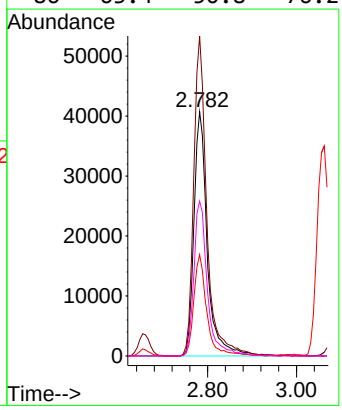


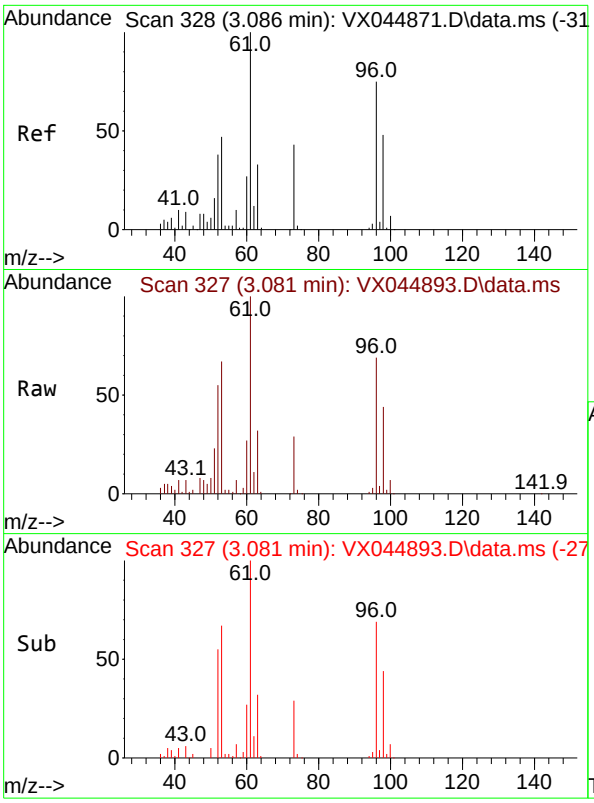


#20
Methylene Chloride
Concen: 46.958 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 84 Resp: 84927

Ion	Ratio	Lower	Upper
84	100		
49	131.1	100.1	150.1
51	41.5	31.7	47.5
86	63.4	50.8	76.2



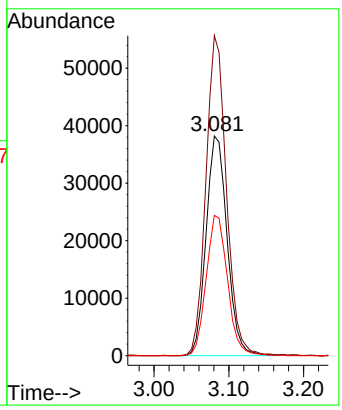


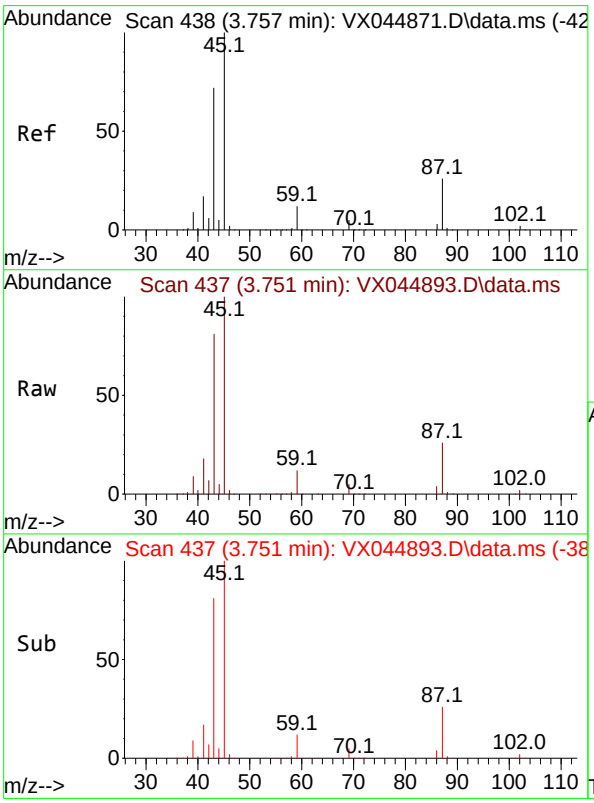
#21
trans-1,2-Dichloroethene
Concen: 47.048 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 74888

Ion	Ratio	Lower	Upper
96	100		
61	145.6	106.0	159.0
98	63.8	50.6	76.0

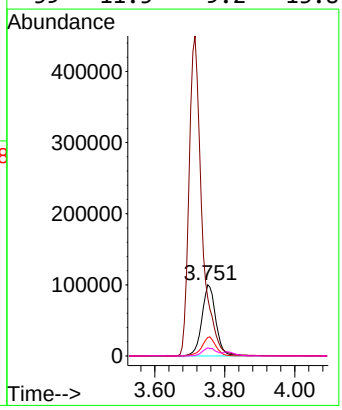


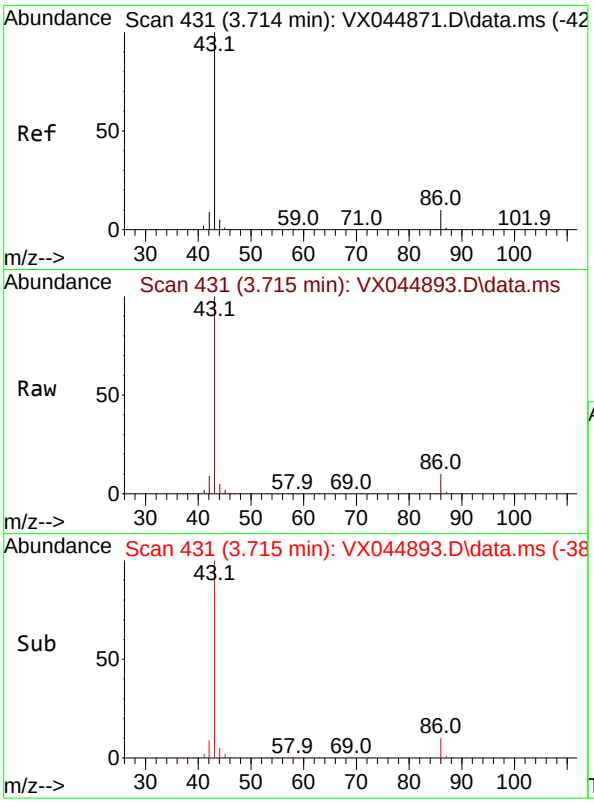


#22
Diisopropyl ether
Concen: 49.830 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 45 Resp: 275541

Ion	Ratio	Lower	Upper
45	100		
43	80.9	58.0	87.0
87	26.0	20.7	31.1
59	11.5	9.2	13.8



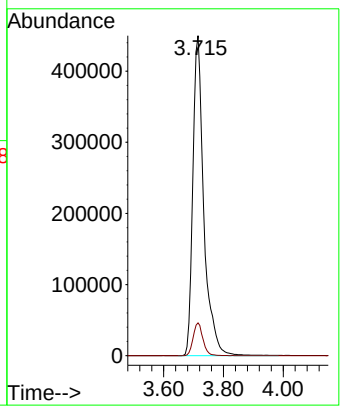


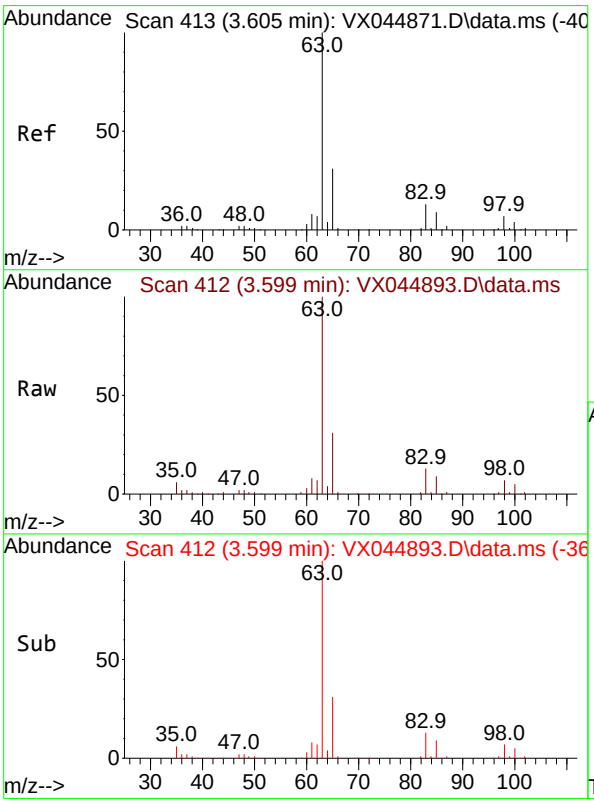
#23
Vinyl Acetate
Concen: 254.643 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1147936

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.3	12.5

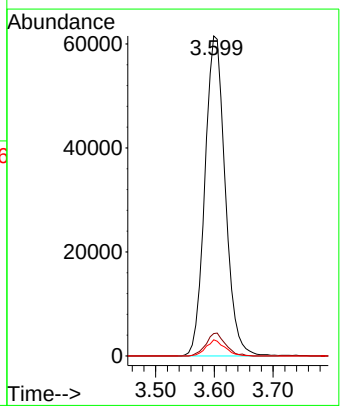


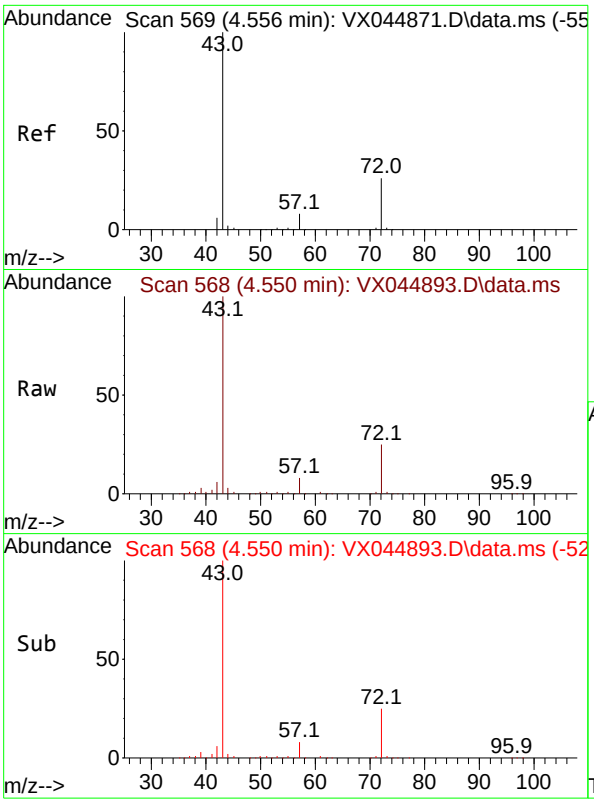


#24
1,1-Dichloroethane
Concen: 47.814 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 63 Resp: 147936

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.9
100	5.0	2.1	6.5



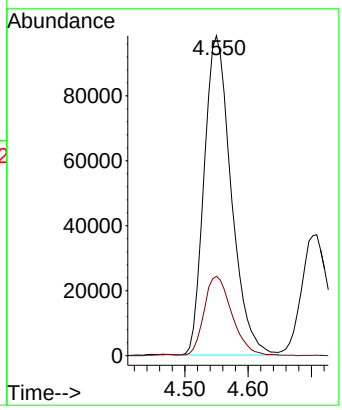


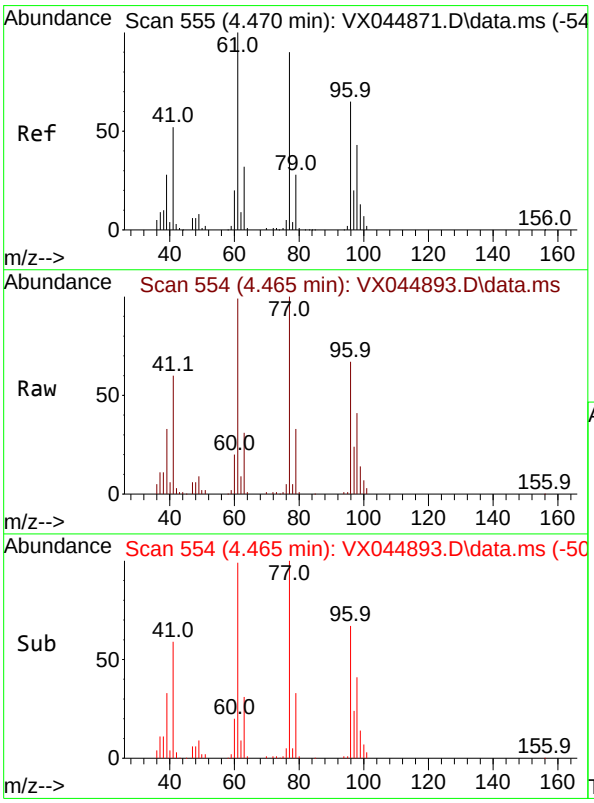
#25
2-Butanone
Concen: 244.126 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 292704

Ion	Ratio	Lower	Upper
43	100		
72	24.6	21.2	31.8

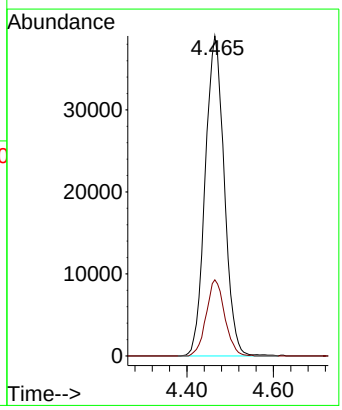


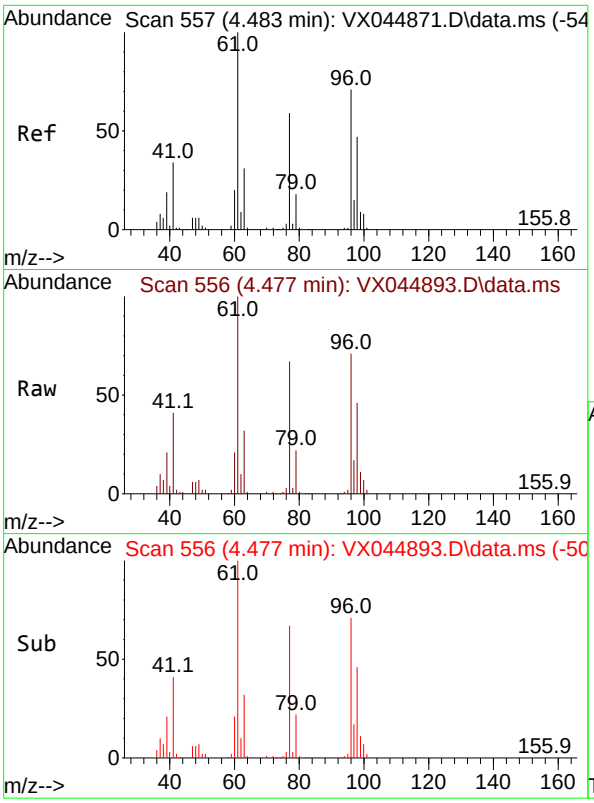


#26
2,2-Dichloropropane
Concen: 48.476 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 77 Resp: 118943

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.8	35.3



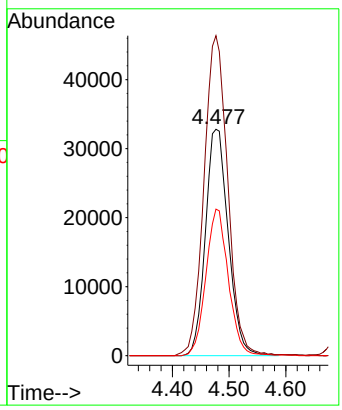


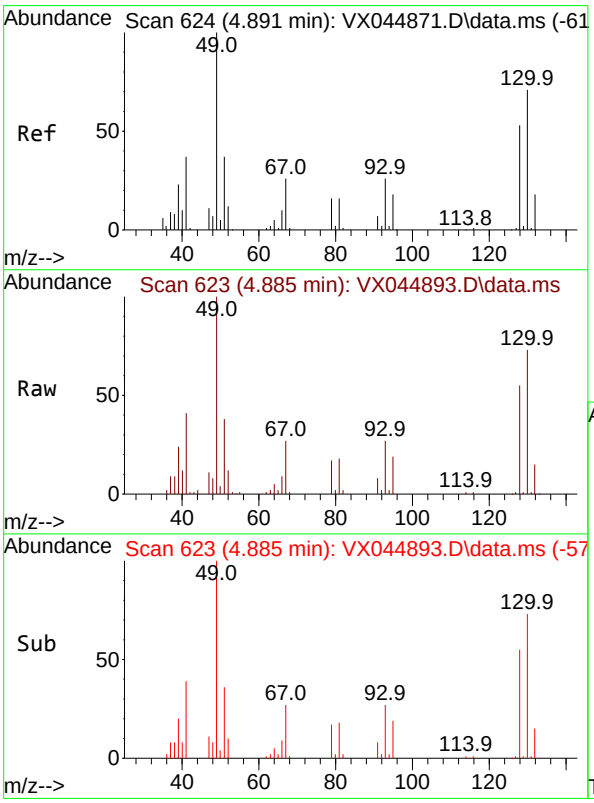
#27
cis-1,2-Dichloroethene
Concen: 48.054 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 91876

Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	294.0
98	63.6	0.0	131.2

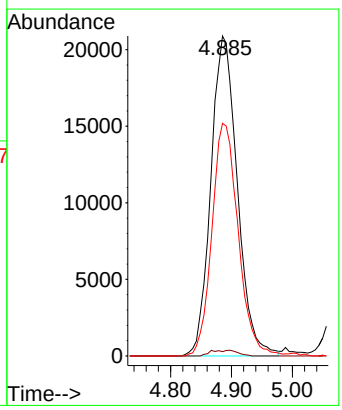


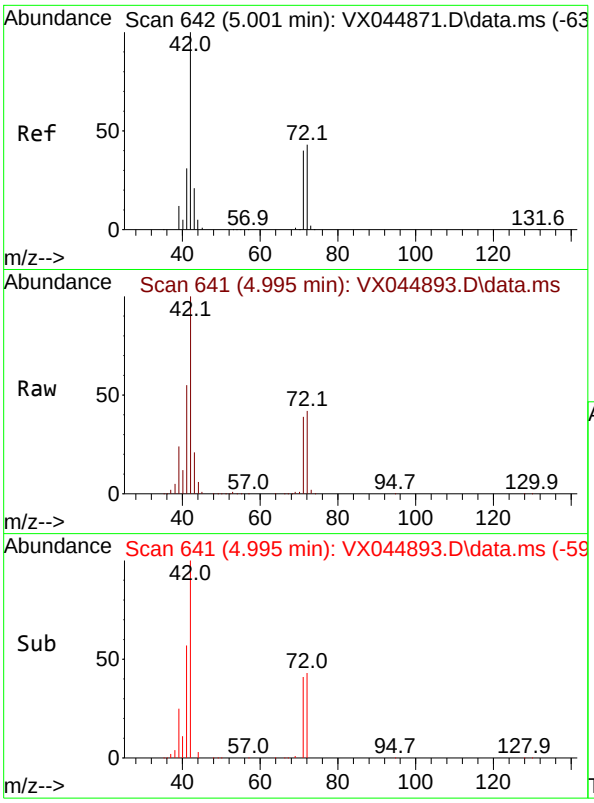


#28
Bromochloromethane
Concen: 42.406 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 49 Resp: 63054

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	72.3	56.7	85.1



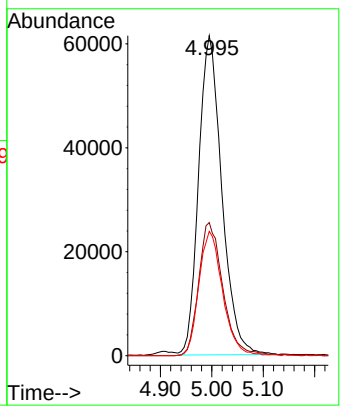


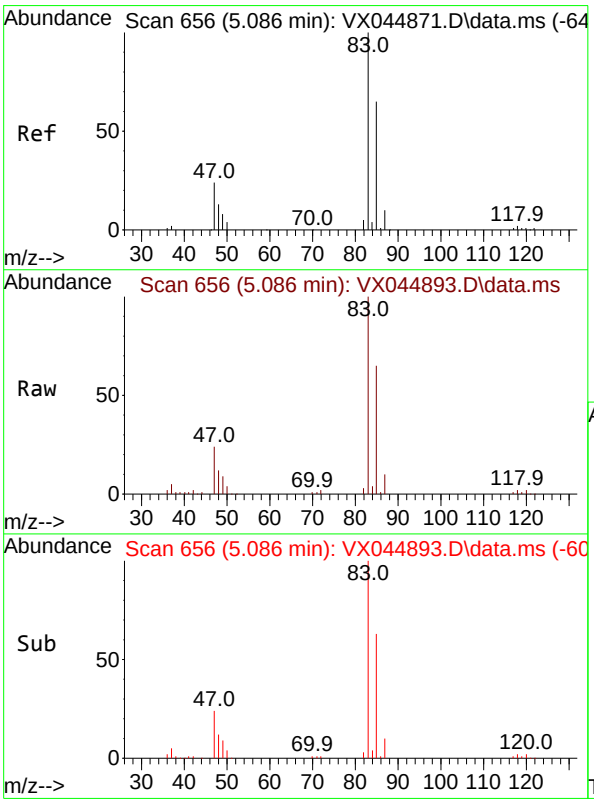
#29
Tetrahydrofuran
Concen: 242.178 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 192811

Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.0	52.4
71	39.6	32.6	48.8

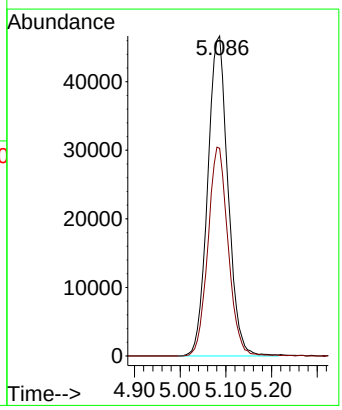


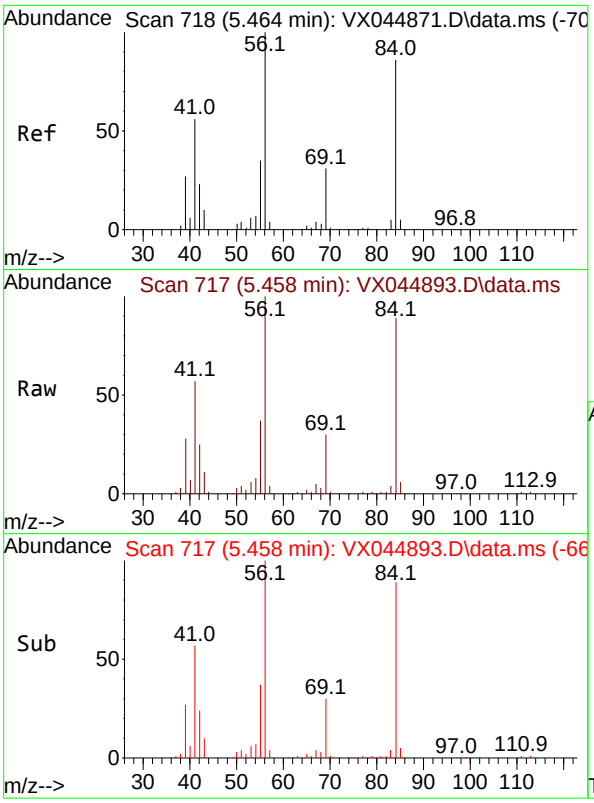


#30
Chloroform
Concen: 47.919 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 83 Resp: 143782

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.1	78.1



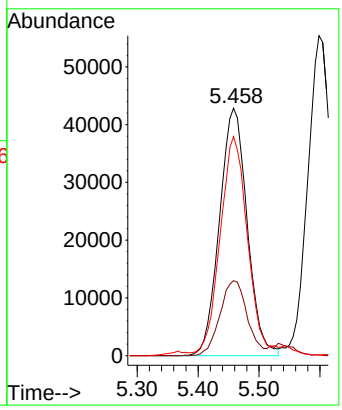


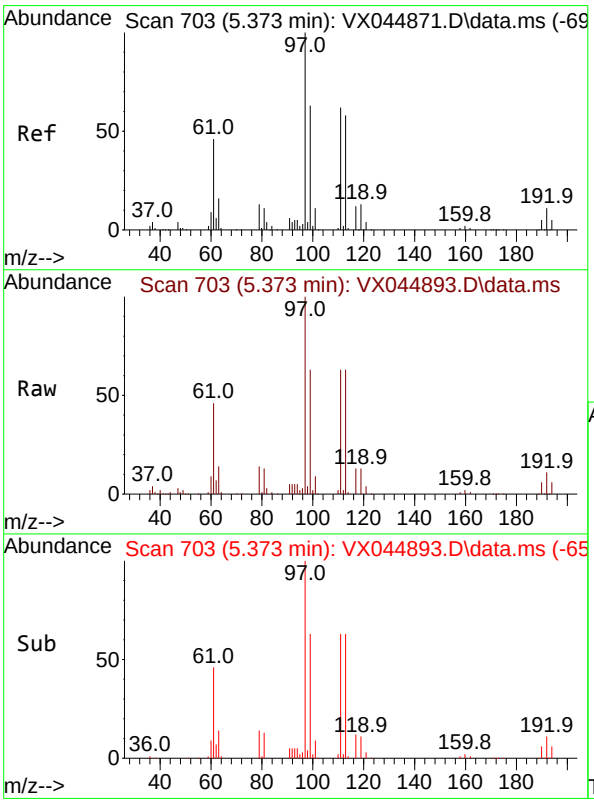
#31
Cyclohexane
Concen: 47.412 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 135237

Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.4	36.6
84	86.7	69.0	103.6

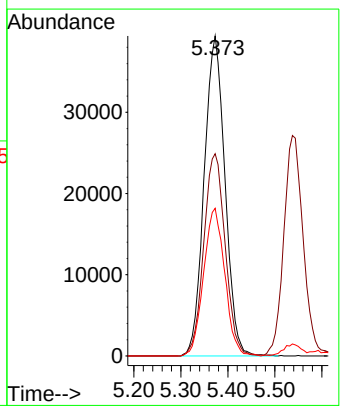


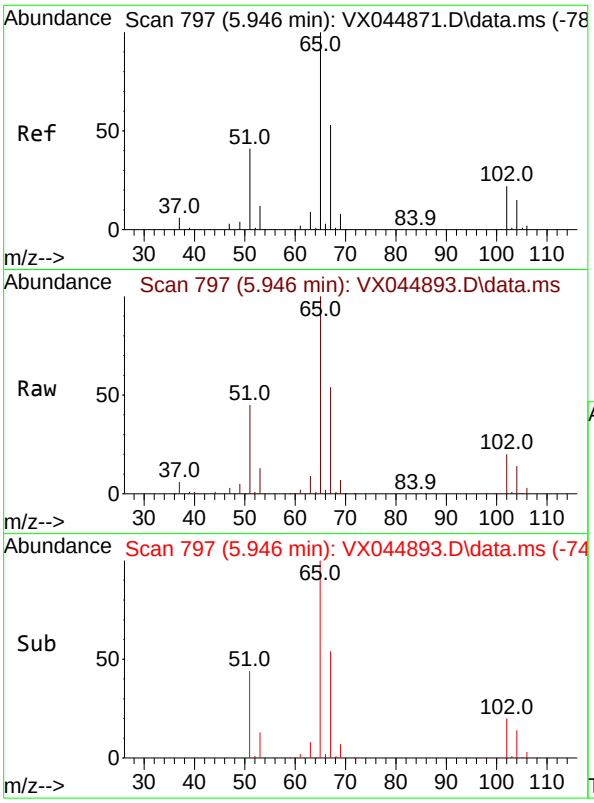


#32
1,1,1-Trichloroethane
Concen: 47.601 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 97 Resp: 121149

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.6
61	46.9	36.6	55.0



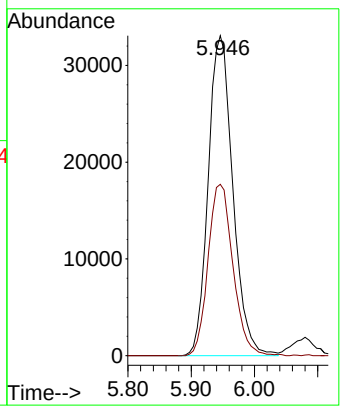


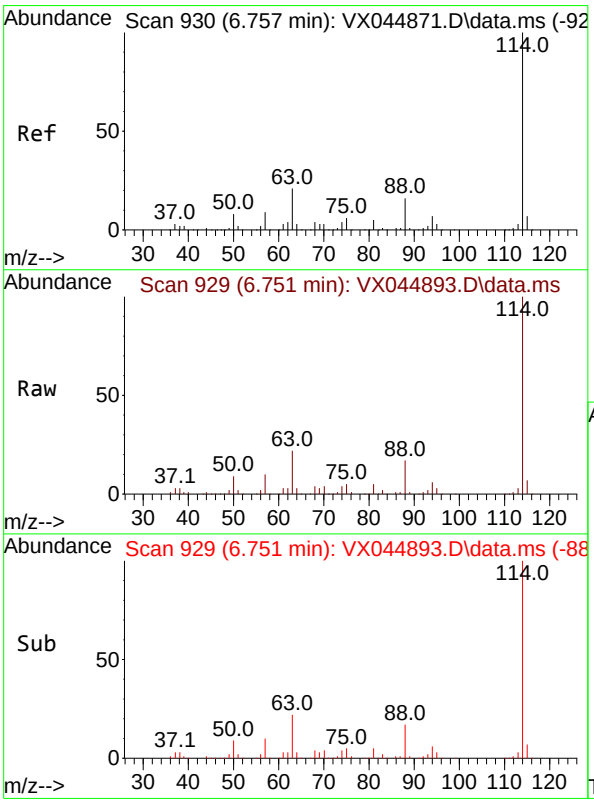
#33
1,2-Dichloroethane-d4
Concen: 48.640 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 89338

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.2

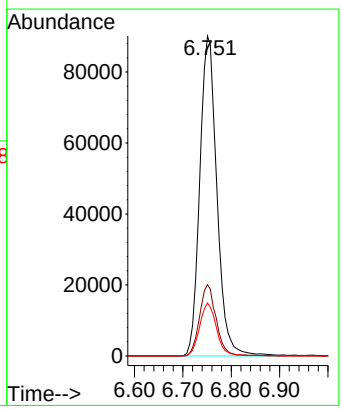


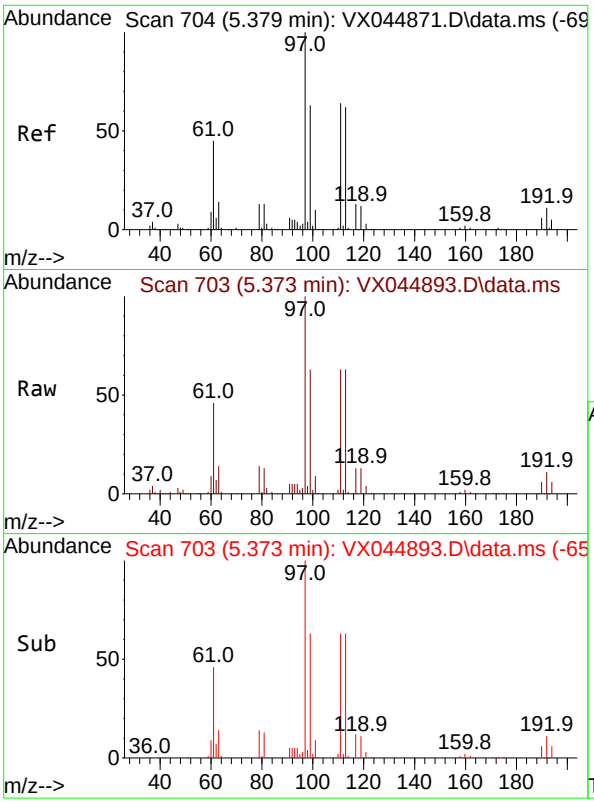


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:114 Resp: 221806

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	42.4
88	16.6	0.0	31.4



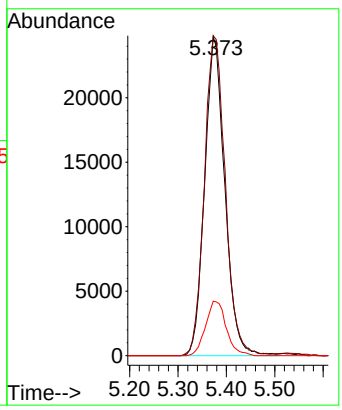


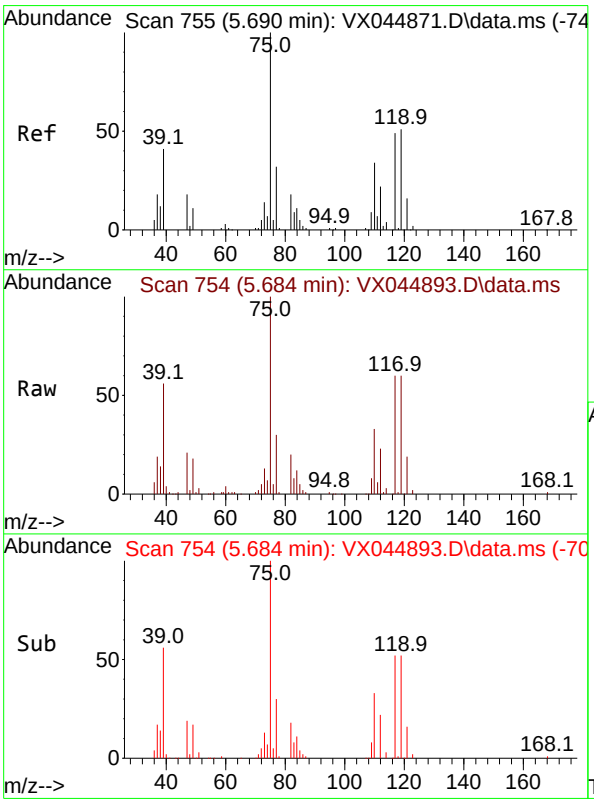
#35
Dibromofluoromethane
Concen: 49.705 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 71680

Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.5	125.3
192	17.6	14.4	21.6

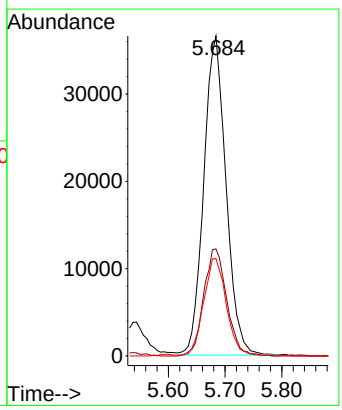


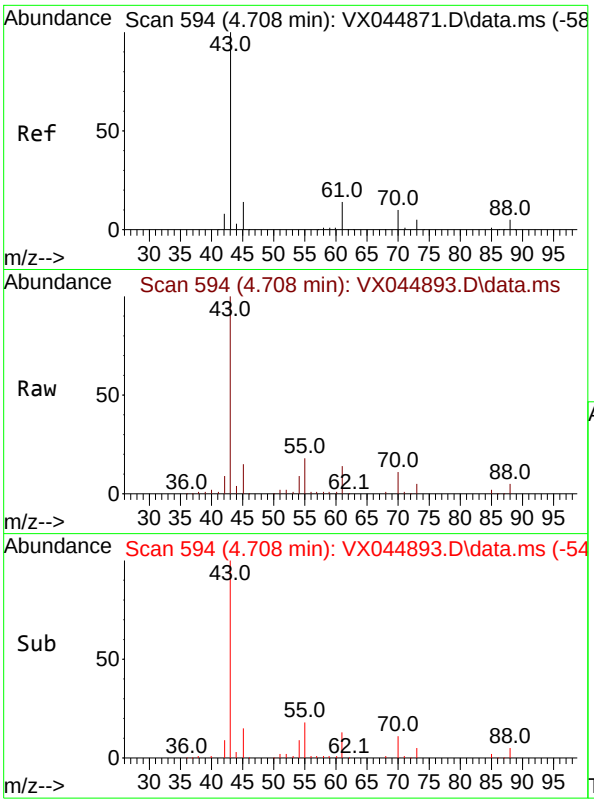


#36
1,1-Dichloropropene
Concen: 47.950 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 75 Resp: 99764

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.2	51.6
77	31.2	24.6	37.0



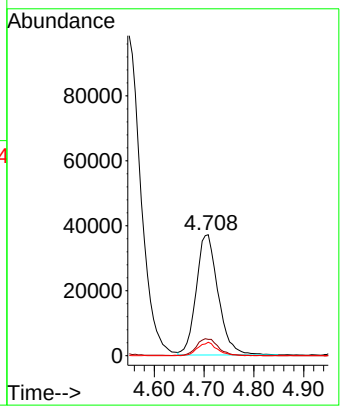


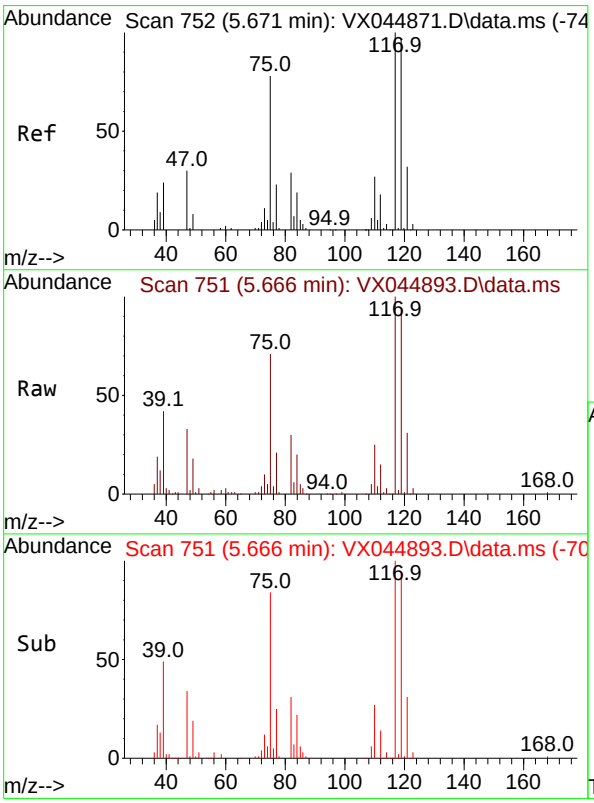
#37
Ethyl Acetate
Concen: 48.977 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 113342

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.0	16.4
70	9.9	8.2	12.2

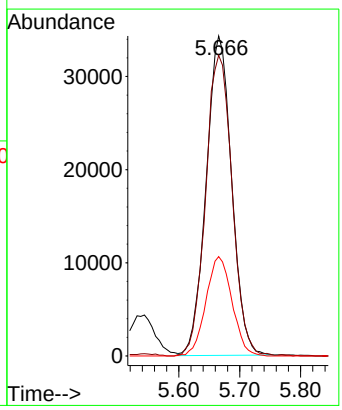


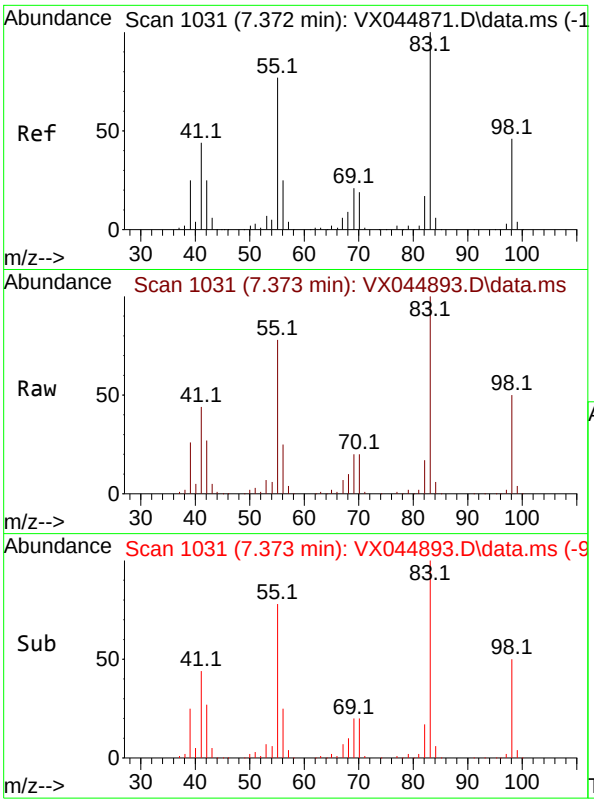


#38
Carbon Tetrachloride
Concen: 48.890 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:117 Resp: 99680

Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.5	116.3
121	31.1	25.6	38.4



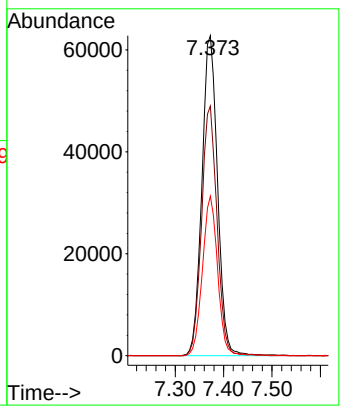


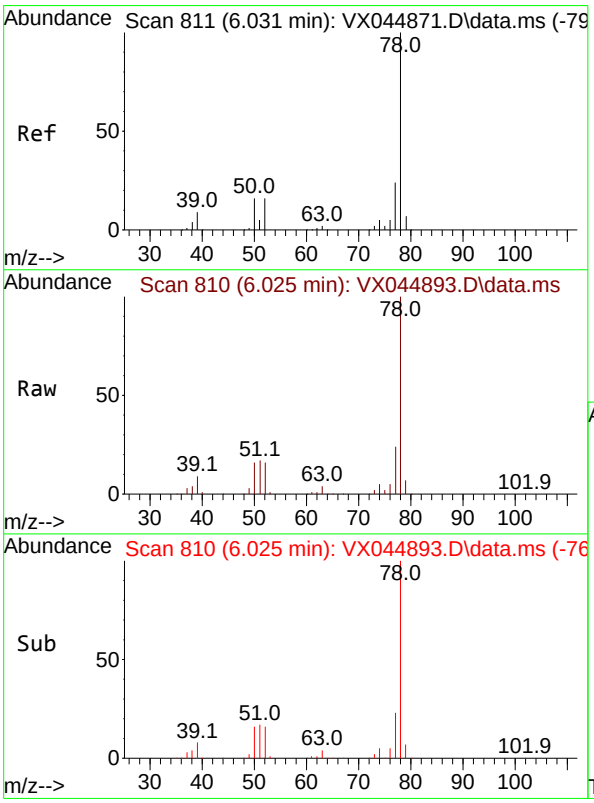
#39
Methylcyclohexane
Concen: 52.500 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 141217

Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.3	91.9
98	49.8	37.0	55.6

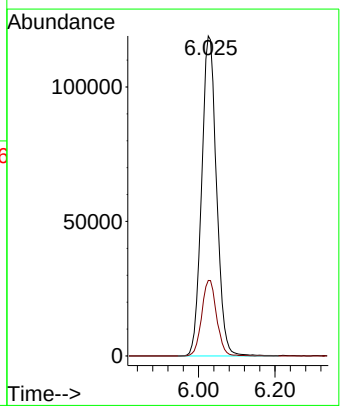


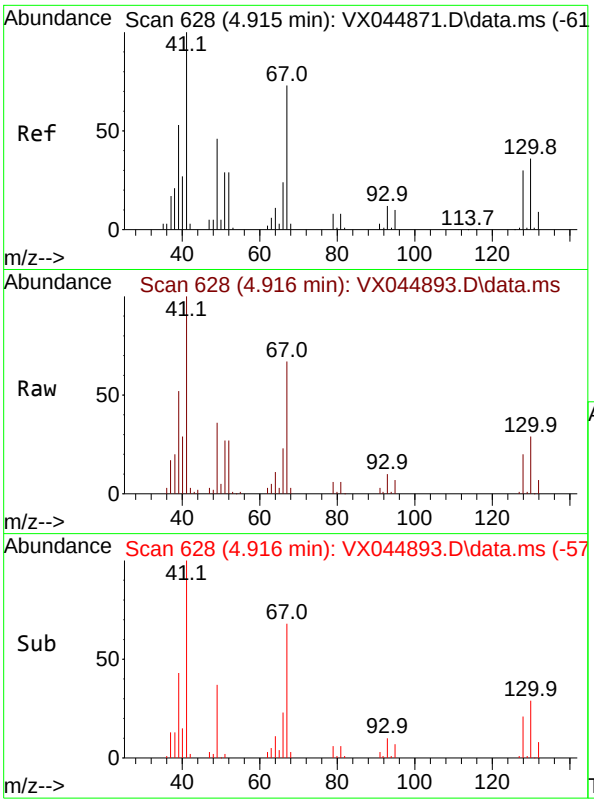


#40
Benzene
Concen: 49.466 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 78 Resp: 321371

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6



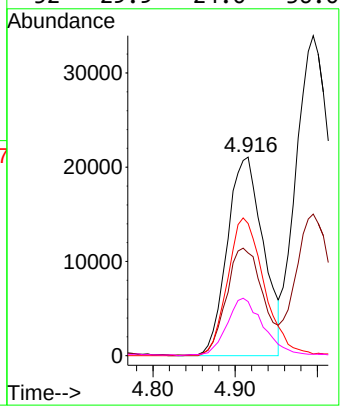


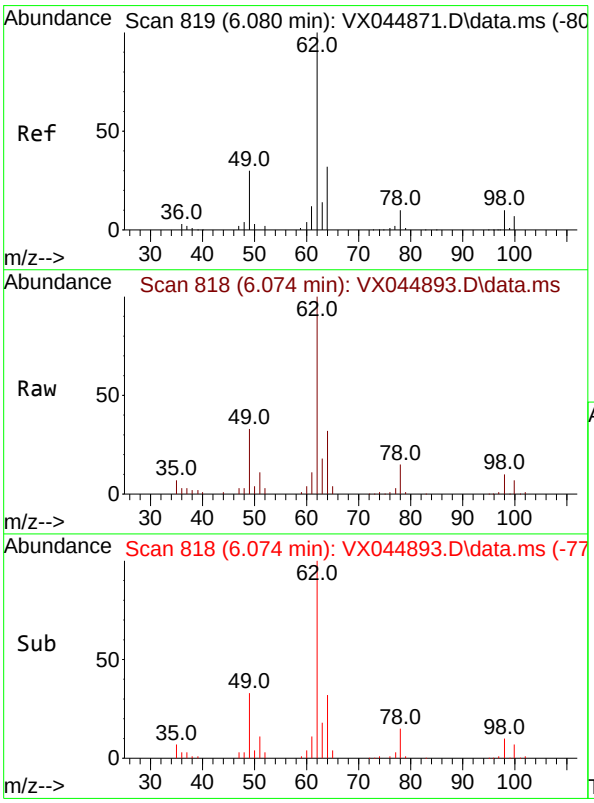
#41
Methacrylonitrile
Concen: 51.920 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 64313

Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.1	64.7
67	70.9	57.0	85.6
52	29.9	24.0	36.0

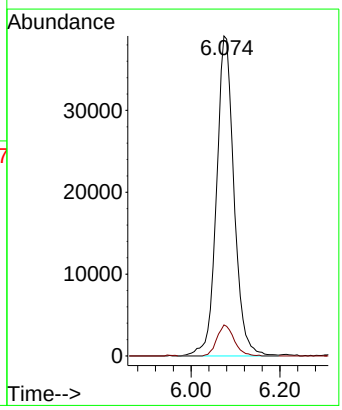


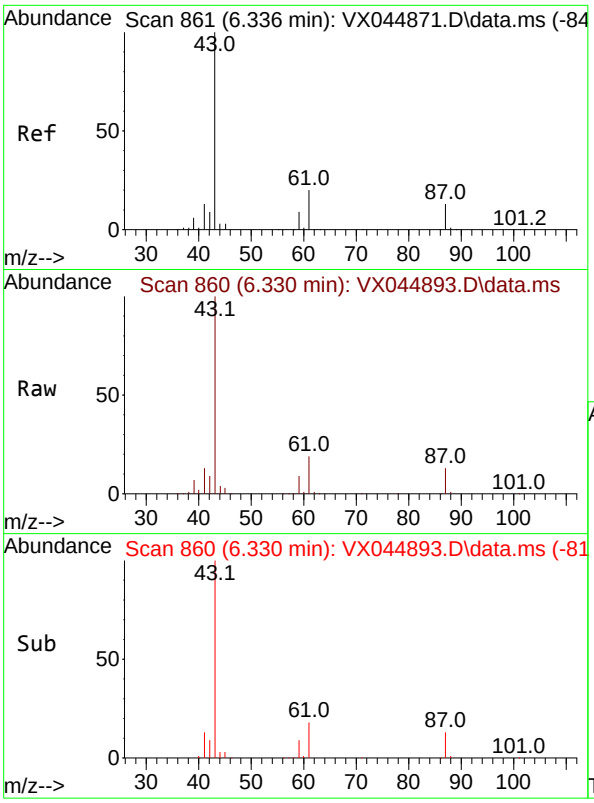


#42
1,2-Dichloroethane
Concen: 51.582 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 62 Resp: 106806

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4



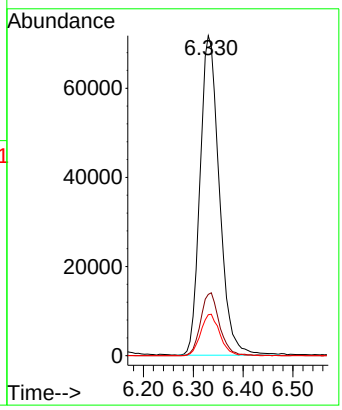


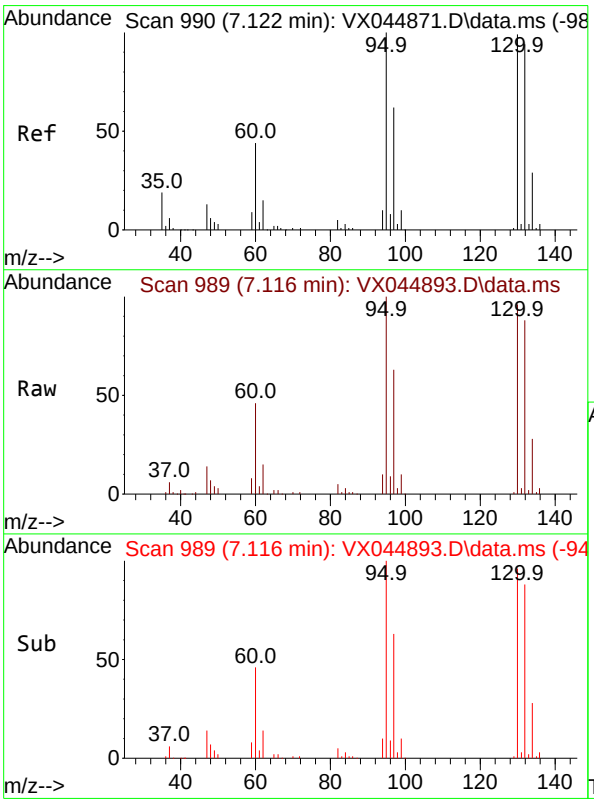
#43
Isopropyl Acetate
Concen: 51.503 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 192468

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.8	23.8
87	12.9	10.0	15.0

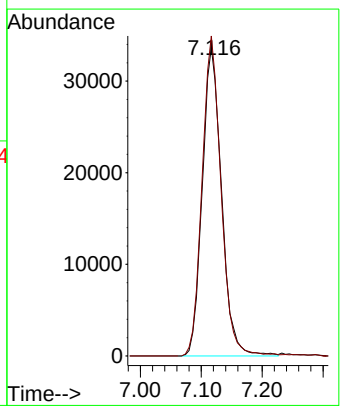


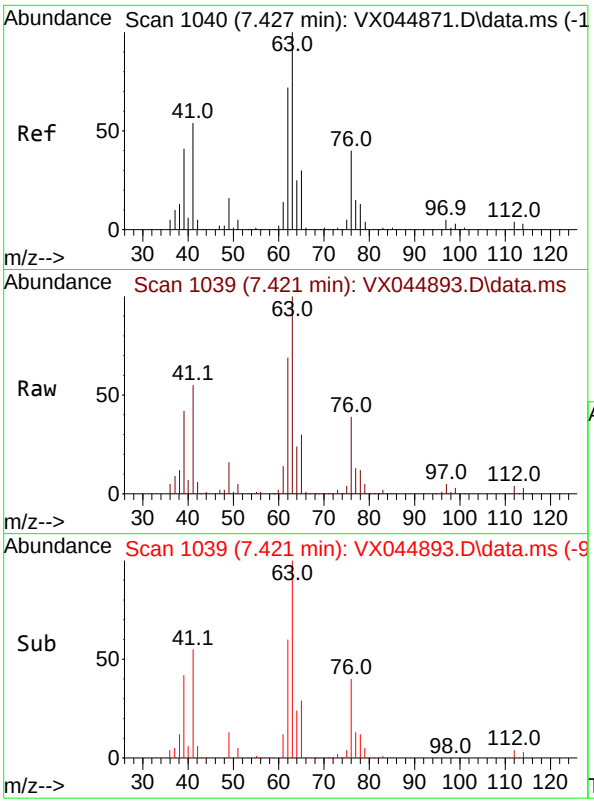


#44
Trichloroethene
Concen: 49.838 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:130 Resp: 74009

Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	202.4



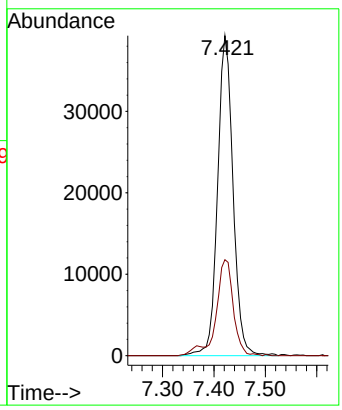


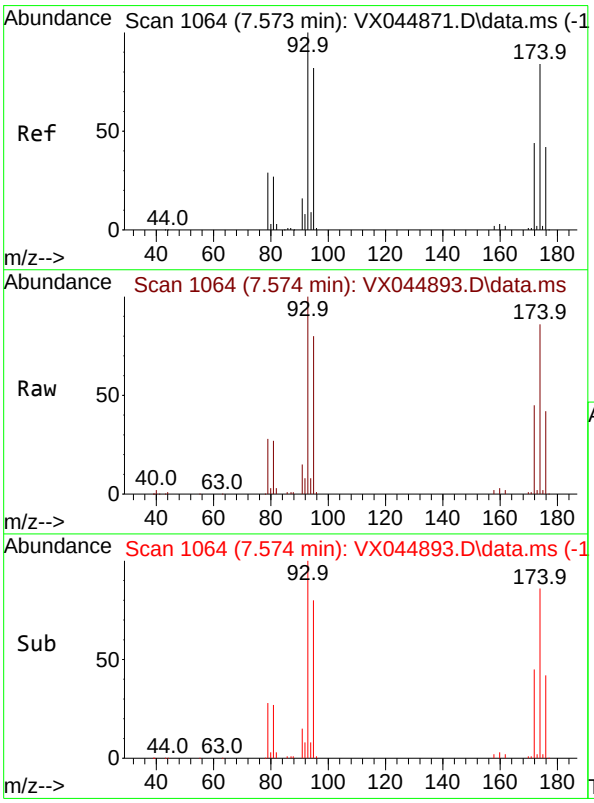
#45
1,2-Dichloropropane
Concen: 50.862 ug/l
RT: 7.421 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 82208

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.2	36.4

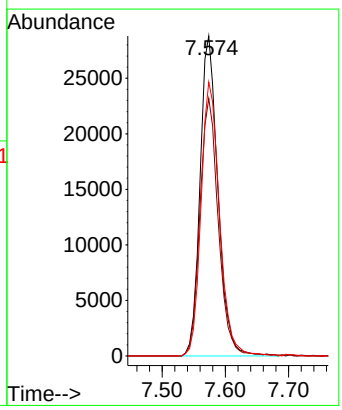


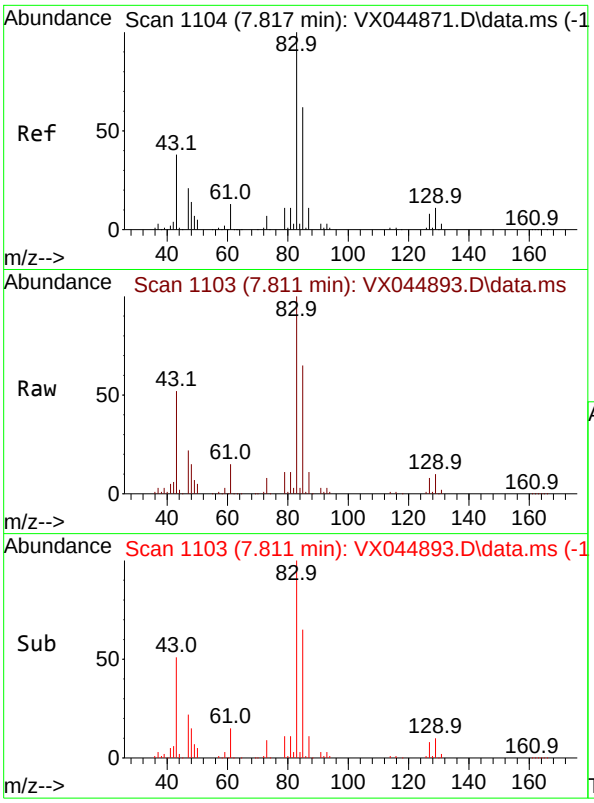


#46
Dibromomethane
Concen: 50.583 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 93 Resp: 56698

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	88.6	69.9	104.9



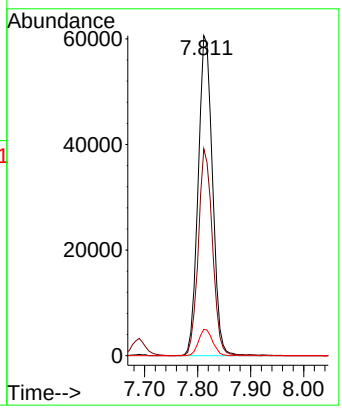


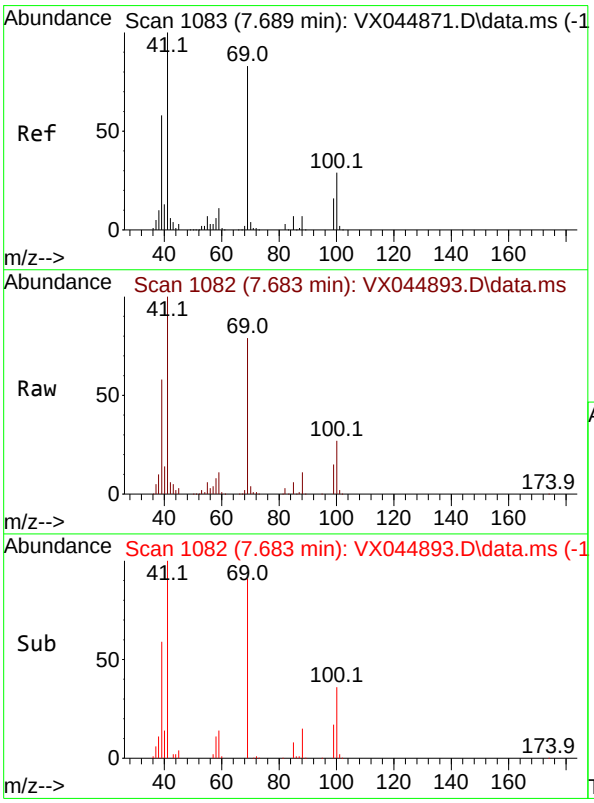
#47
Bromodichloromethane
Concen: 52.576 ug/l
RT: 7.811 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 114110

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.0	75.0
127	8.3	6.4	9.6

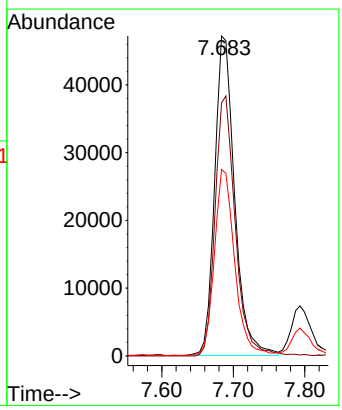


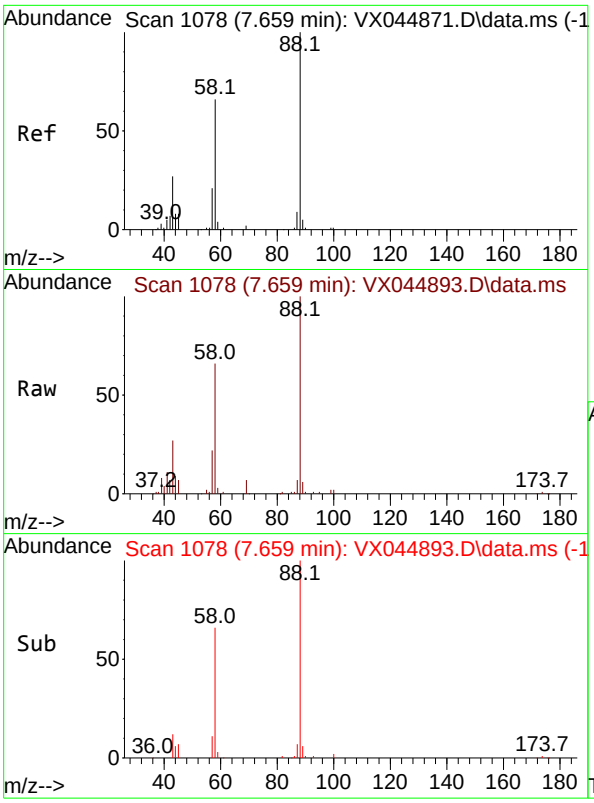


#48
Methyl methacrylate
Concen: 52.037 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 41 Resp: 91692

Ion	Ratio	Lower	Upper
41	100		
69	82.6	65.8	98.8
39	58.8	46.4	69.6



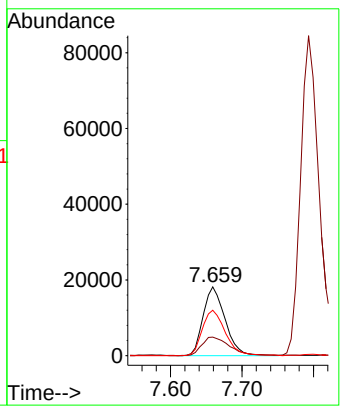


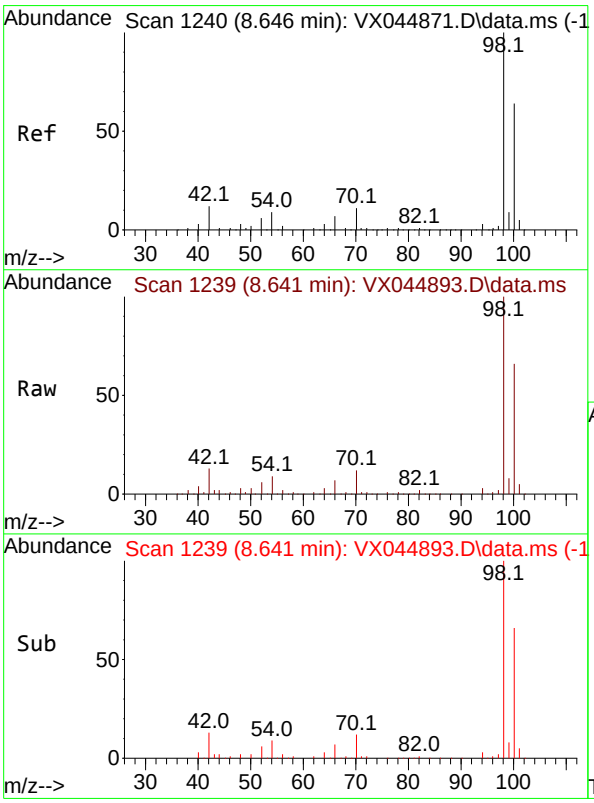
#49
1,4-Dioxane
Concen: 1023.303 ug/l
RT: 7.659 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 38686

Ion	Ratio	Lower	Upper
88	100		
43	34.4	26.6	39.8
58	69.4	55.9	83.9

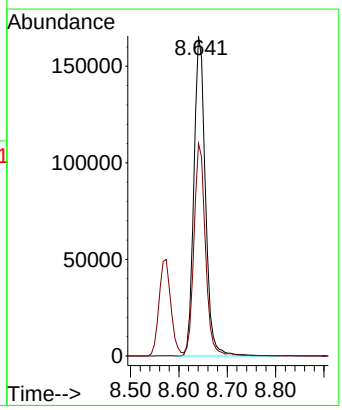


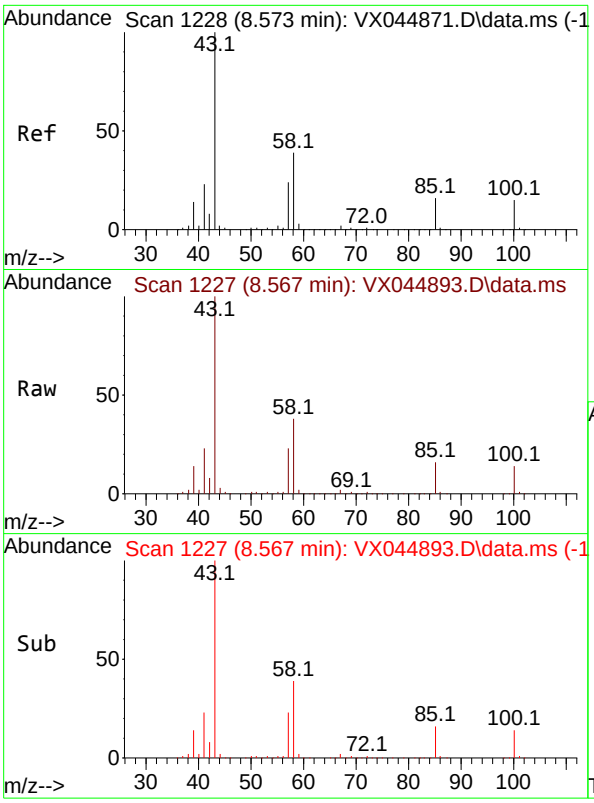


#50
Toluene-d8
Concen: 50.049 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 98 Resp: 272926

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.7	79.1



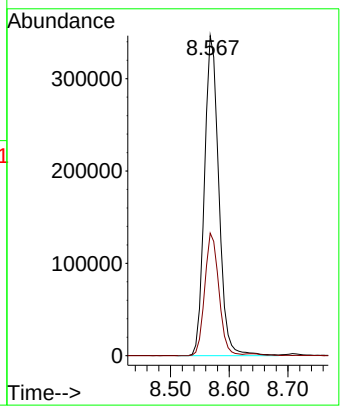


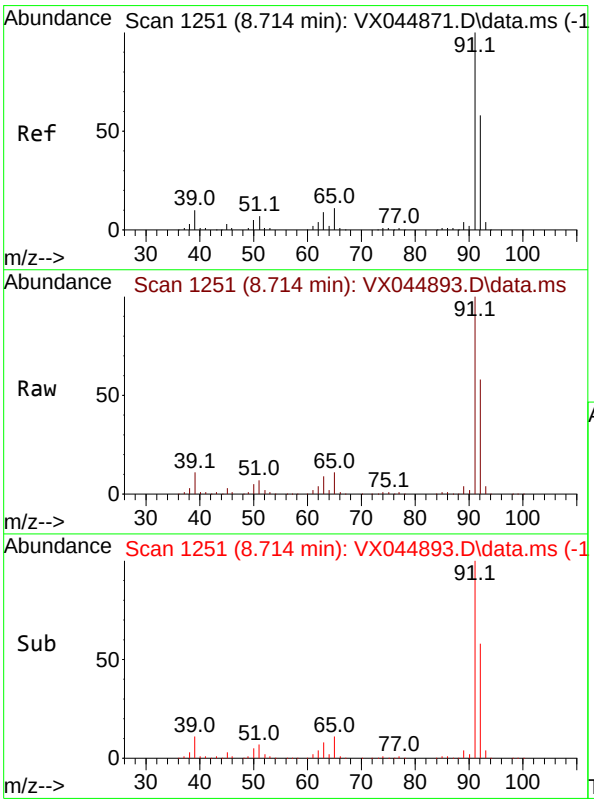
#51
4-Methyl-2-Pentanone
Concen: 258.917 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 588239

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.8	46.2

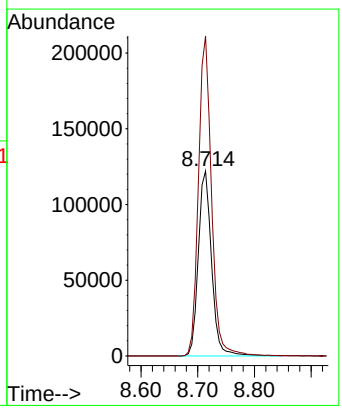


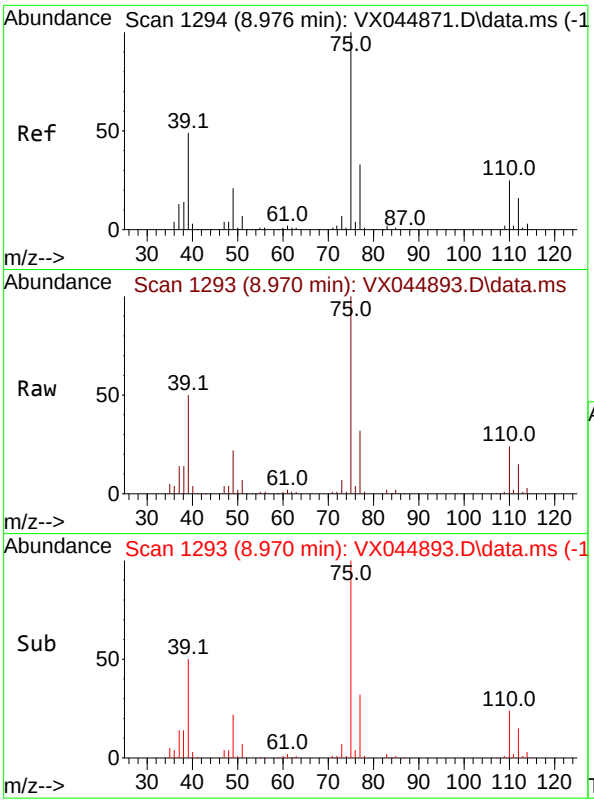


#52
Toluene
Concen: 51.182 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 92 Resp: 198031

Ion	Ratio	Lower	Upper
92	100		
91	170.6	137.4	206.2



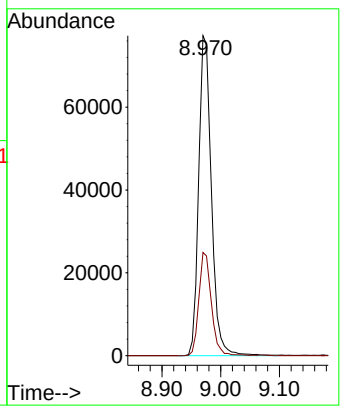


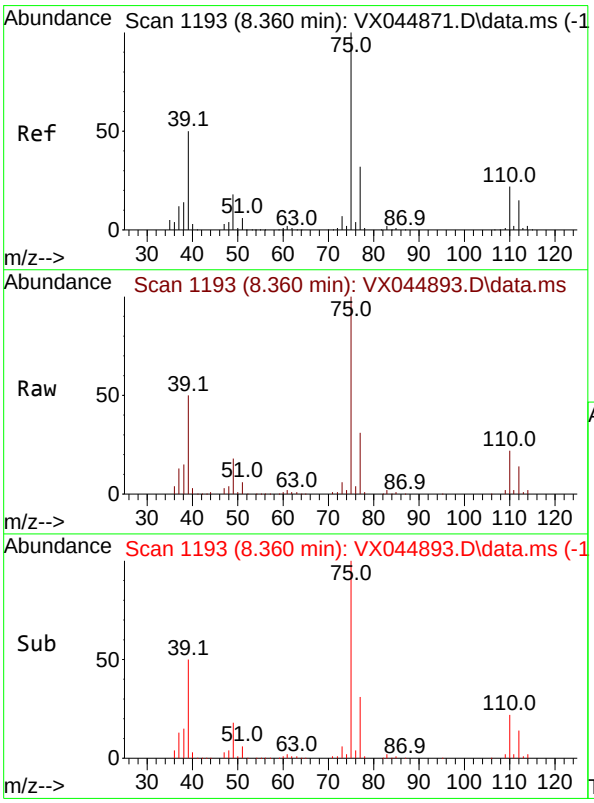
#53
t-1,3-Dichloropropene
Concen: 53.069 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 116558

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.0	39.0

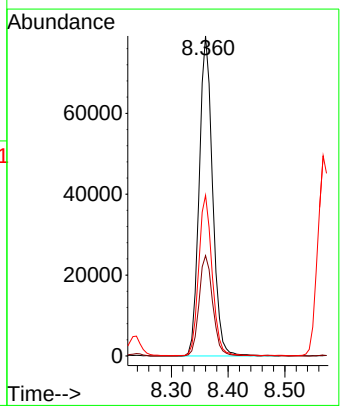


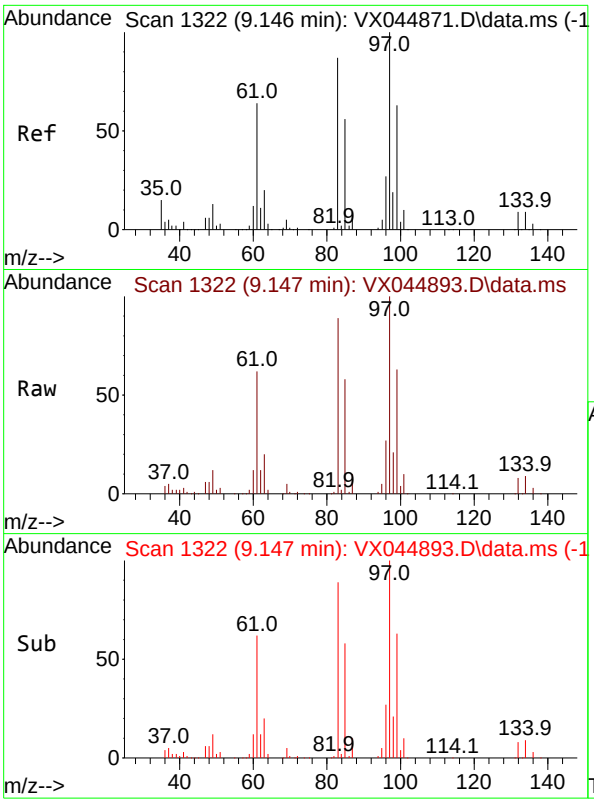


#54
cis-1,3-Dichloropropene
Concen: 53.044 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 75 Resp: 129895

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.3	37.9
39	50.1	40.0	60.0



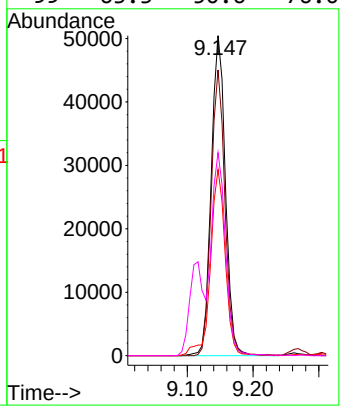


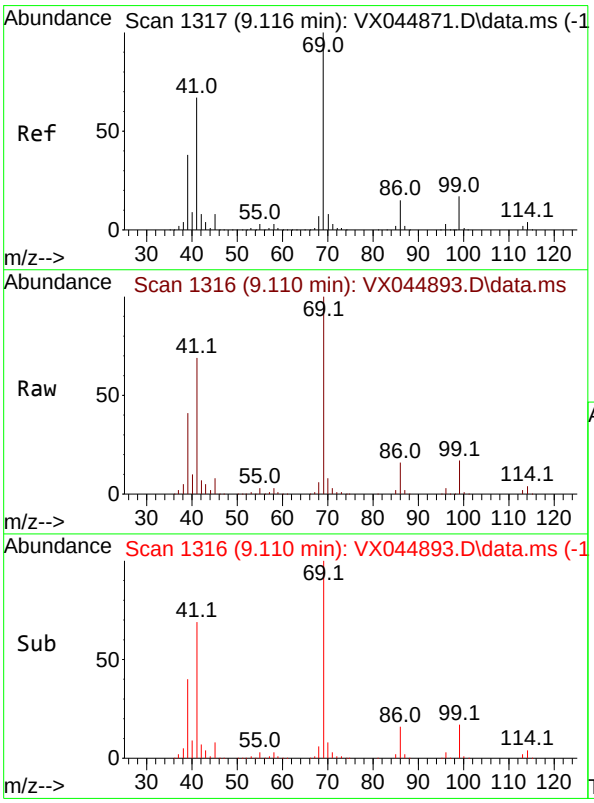
#55
1,1,2-Trichloroethane
Concen: 51.281 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 76273

Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.8	104.6
85	58.2	44.8	67.2
99	63.3	50.6	76.0

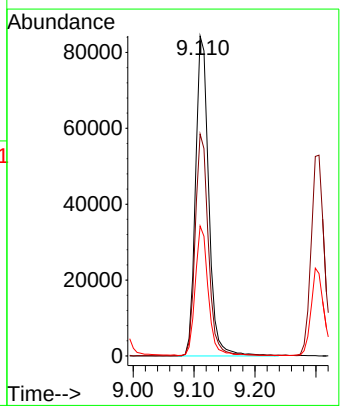


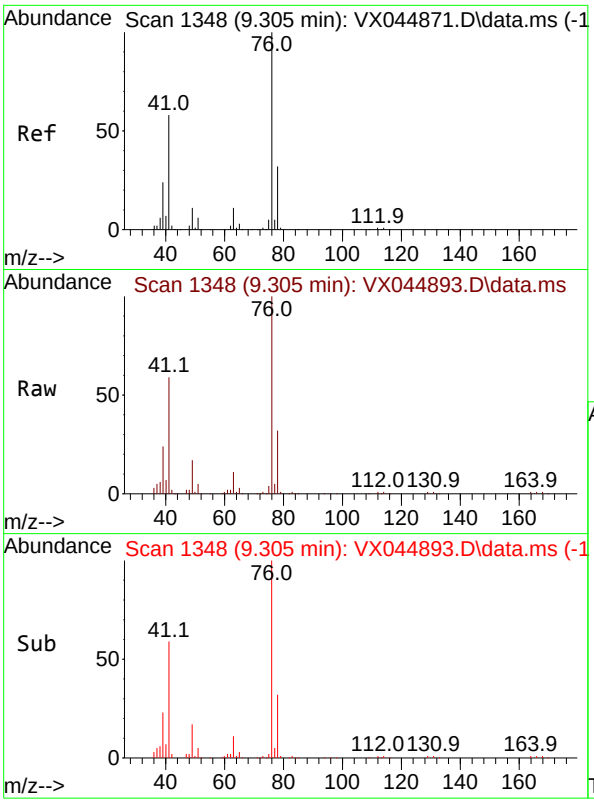


#56
Ethyl methacrylate
Concen: 52.771 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 69 Resp: 126768

Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.2	82.8
39	39.6	30.8	46.2



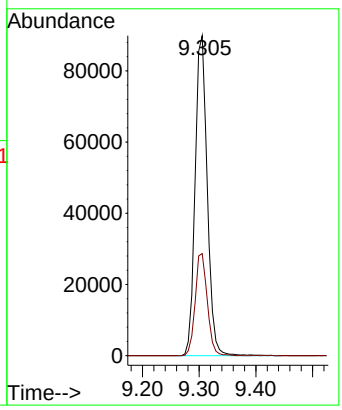


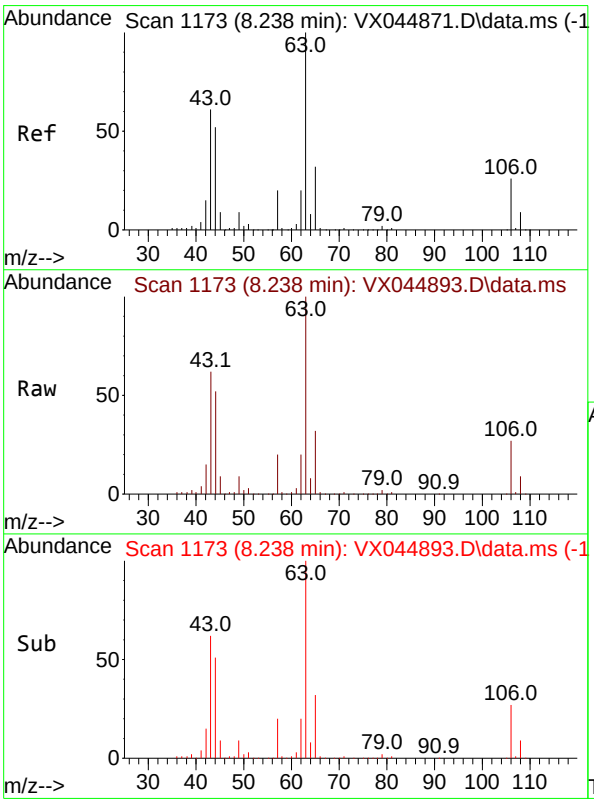
#57
1,3-Dichloropropane
Concen: 51.191 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 133222

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

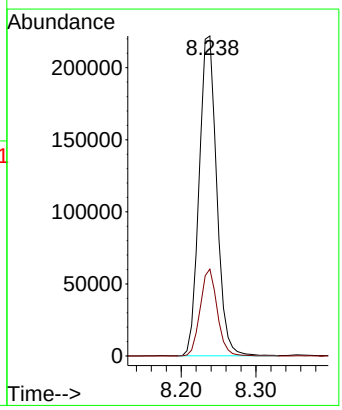


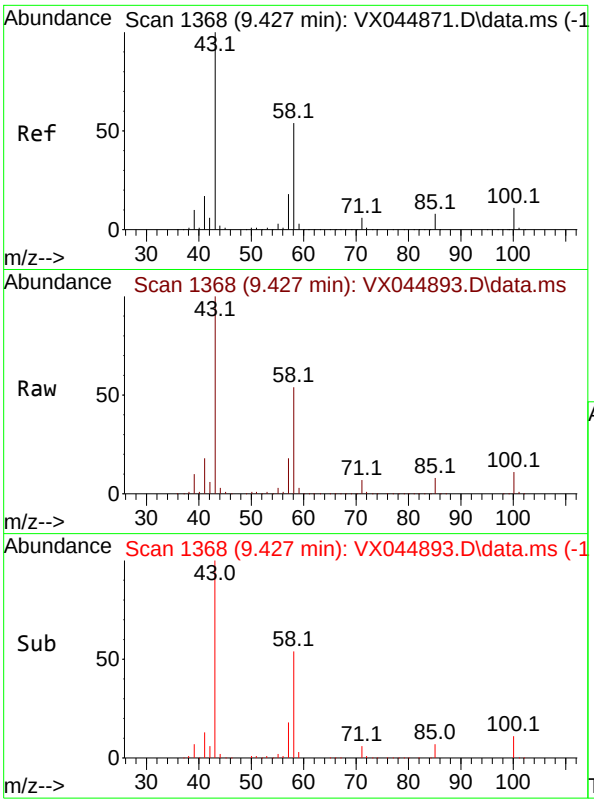


#58
2-Chloroethyl Vinyl ether
Concen: 306.841 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 63 Resp: 361927

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.3	31.9



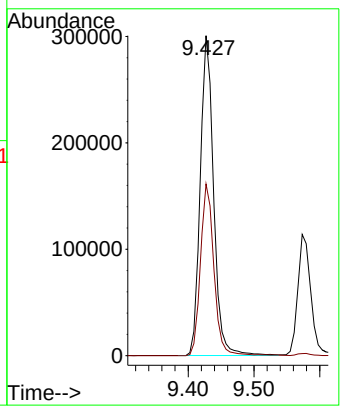


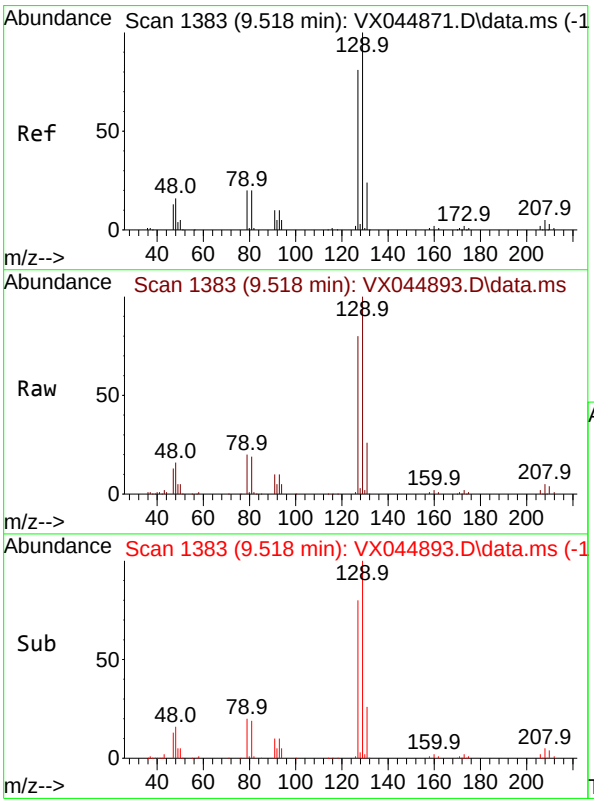
#59
2-Hexanone
Concen: 259.830 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 425326

Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.5	82.4

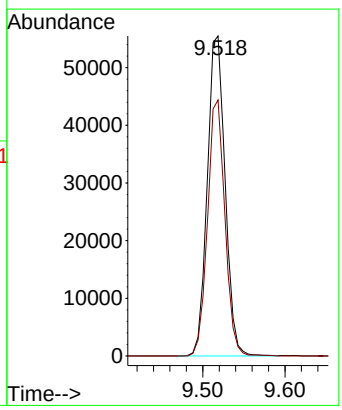


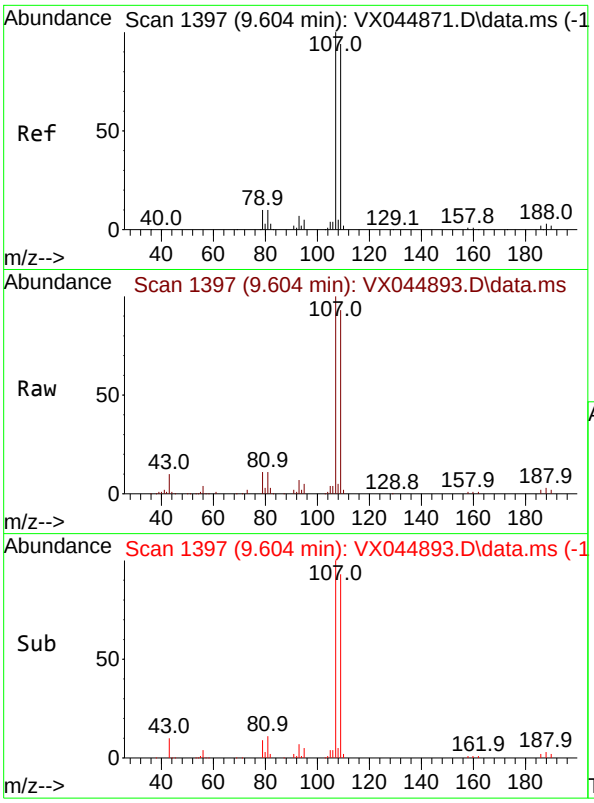


#60
Dibromochloromethane
Concen: 52.573 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:129 Resp: 83627

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.3



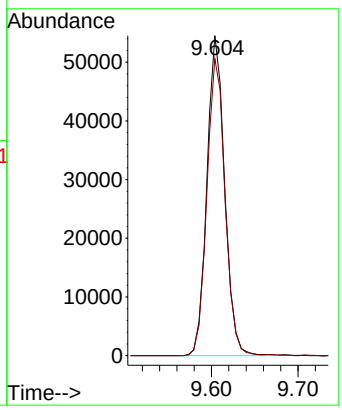


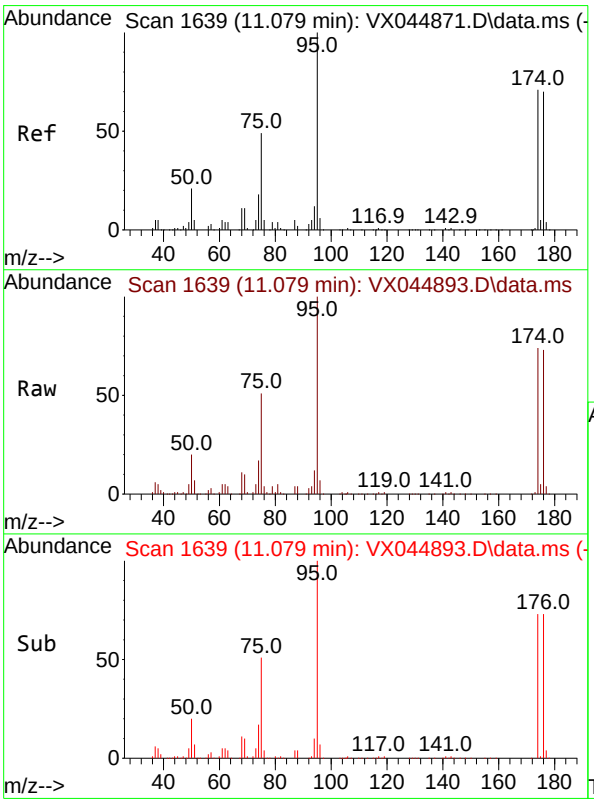
#61
1,2-Dibromoethane
Concen: 51.469 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 77591

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

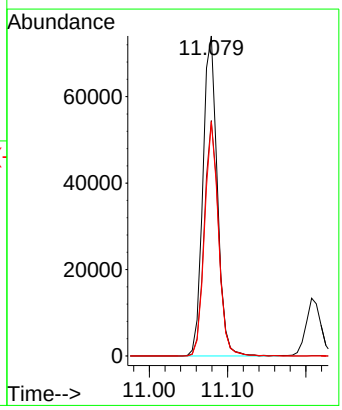


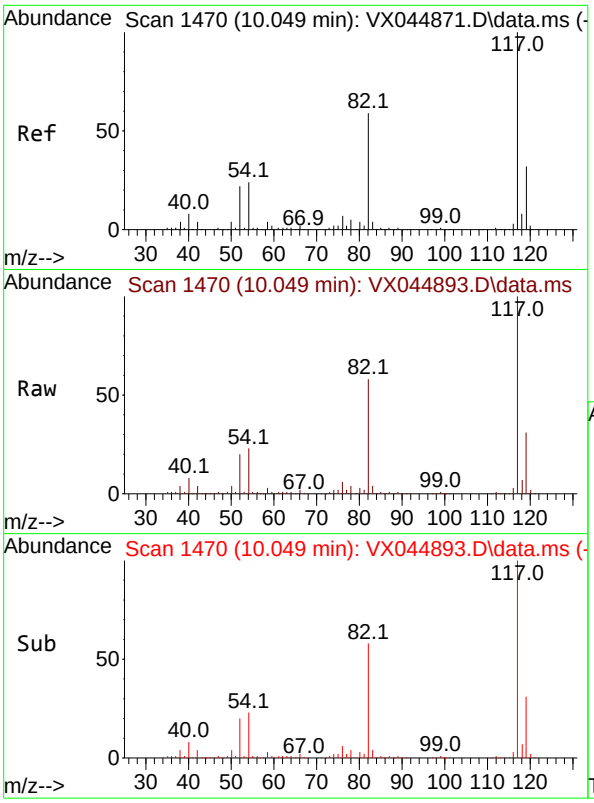


#62
4-Bromofluorobenzene
Concen: 51.425 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 95 Resp: 94539

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	142.6
176	70.1	0.0	141.6



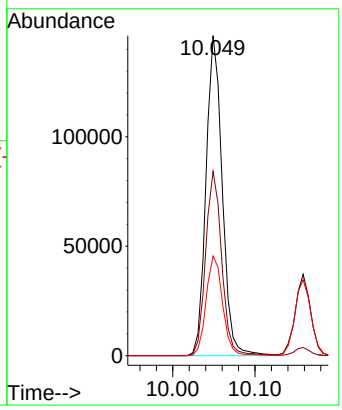


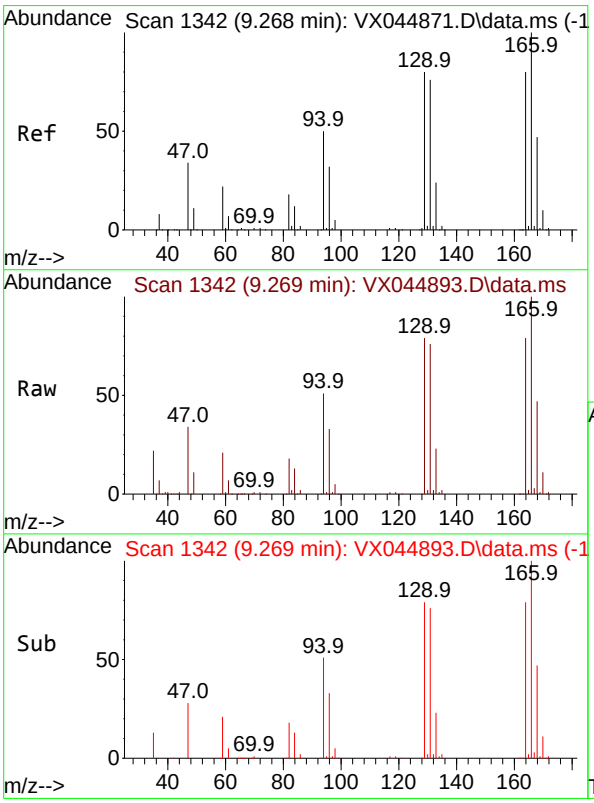
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 200705

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.5	71.3
119	31.1	25.4	38.0

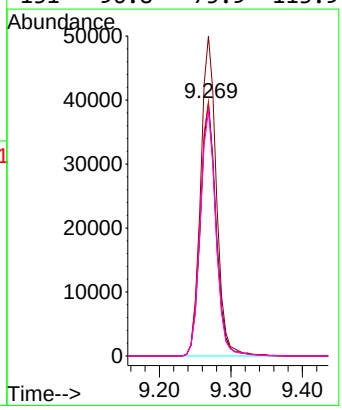


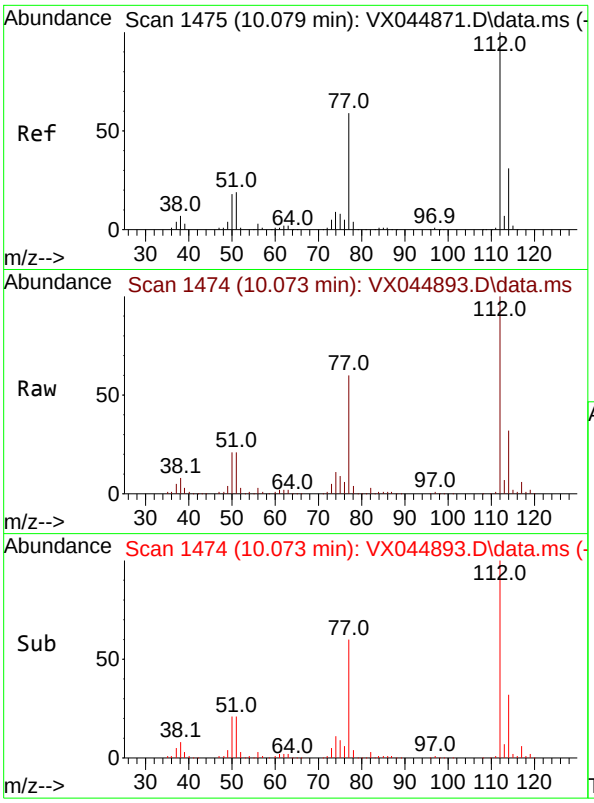


#64
Tetrachloroethene
Concen: 47.492 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:164 Resp: 60113

Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.4	150.6
129	100.3	79.9	119.9
131	96.8	75.9	113.9



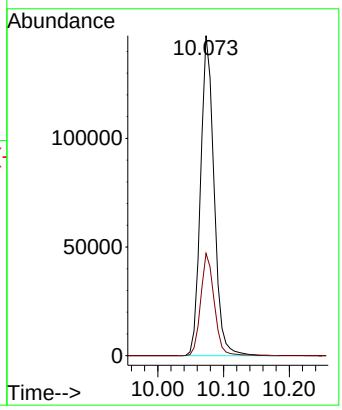


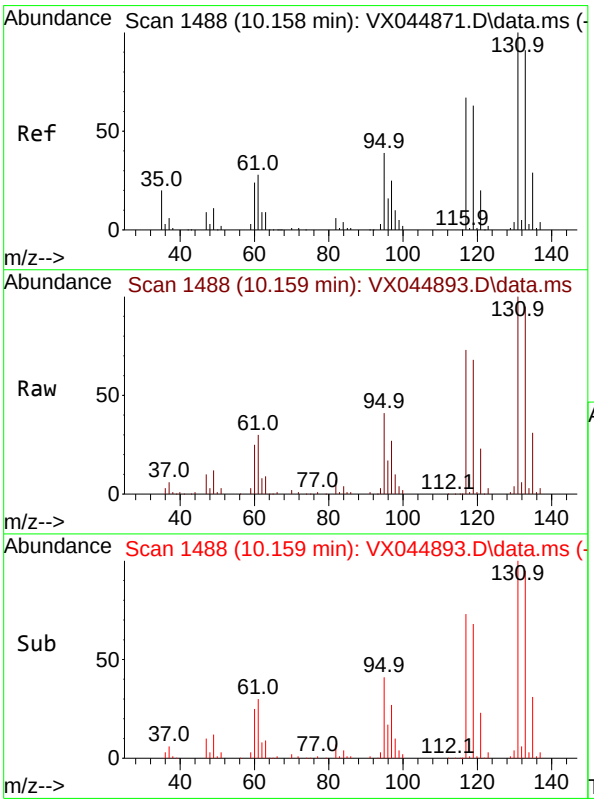
#65
Chlorobenzene
Concen: 48.859 ug/l
RT: 10.073 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 210623

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6

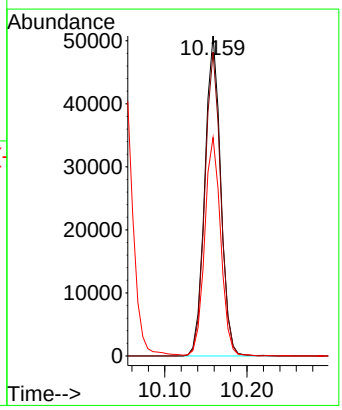


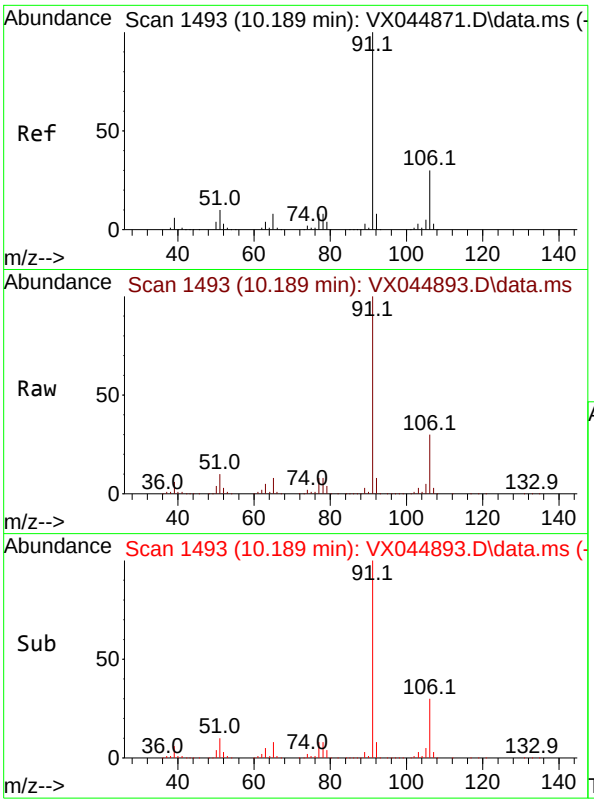


#66
1,1,1,2-Tetrachloroethane
Concen: 49.166 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:131 Resp: 68219

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.1	141.3
119	69.0	33.6	100.6



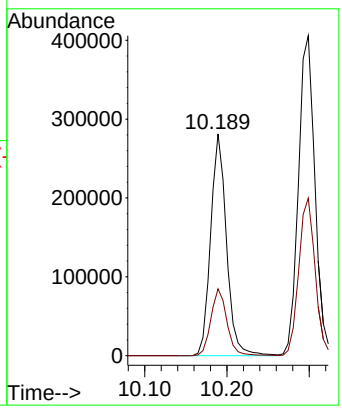


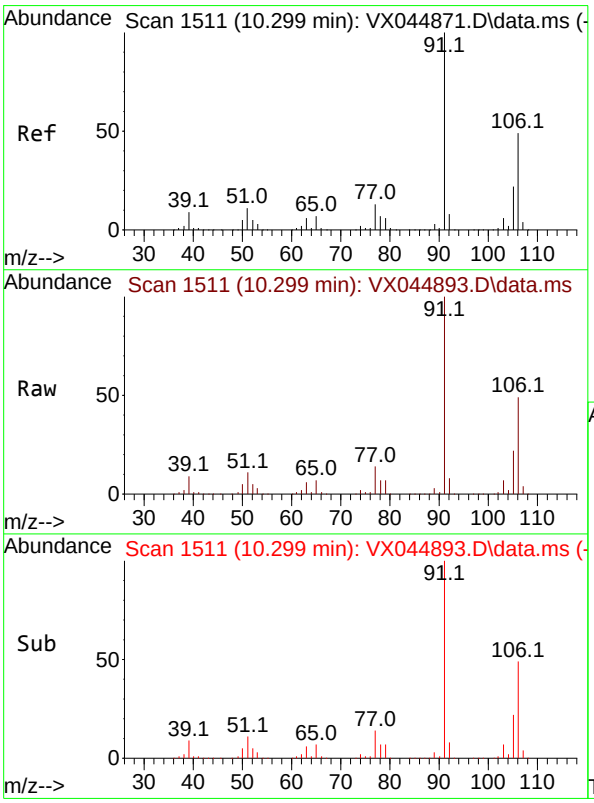
#67
Ethyl Benzene
Concen: 49.568 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 377075

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

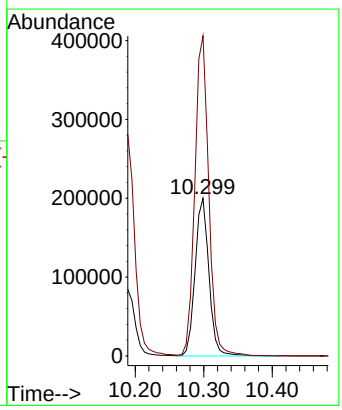


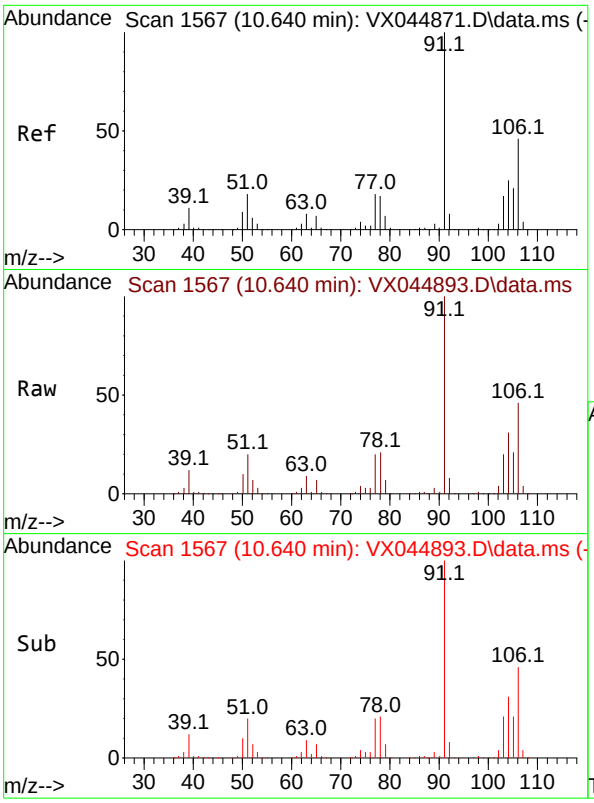


#68
m/p-Xylenes
Concen: 99.986 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:106 Resp: 280582

Ion	Ratio	Lower	Upper
106	100		
91	204.3	164.3	246.5



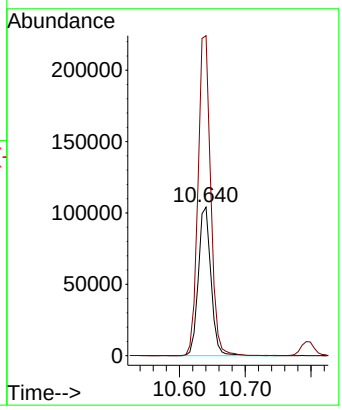


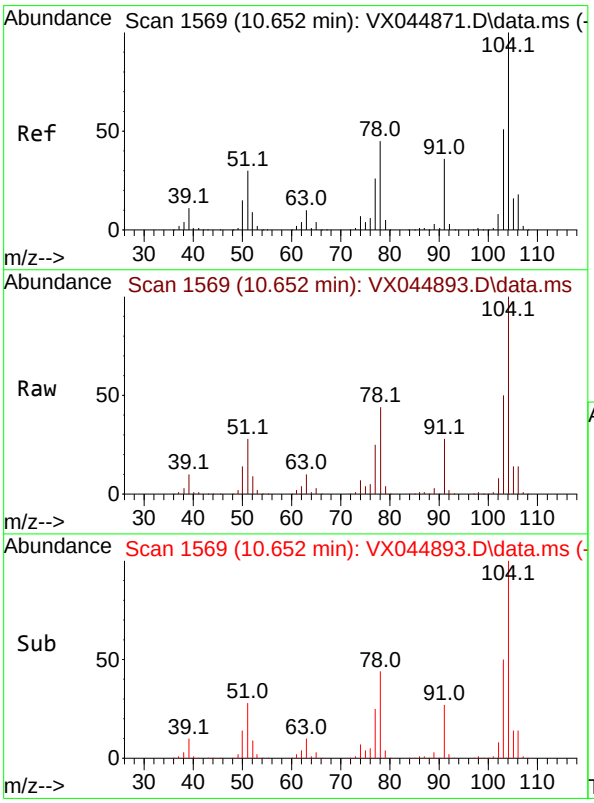
#69
o-Xylene
Concen: 49.270 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 138735

Ion	Ratio	Lower	Upper
106	100		
91	216.9	108.5	325.5

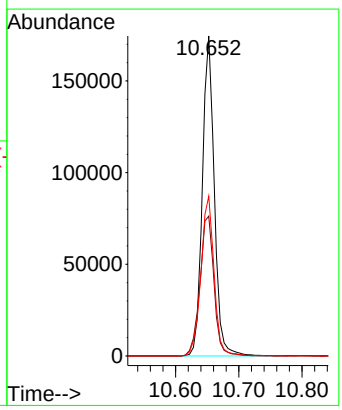


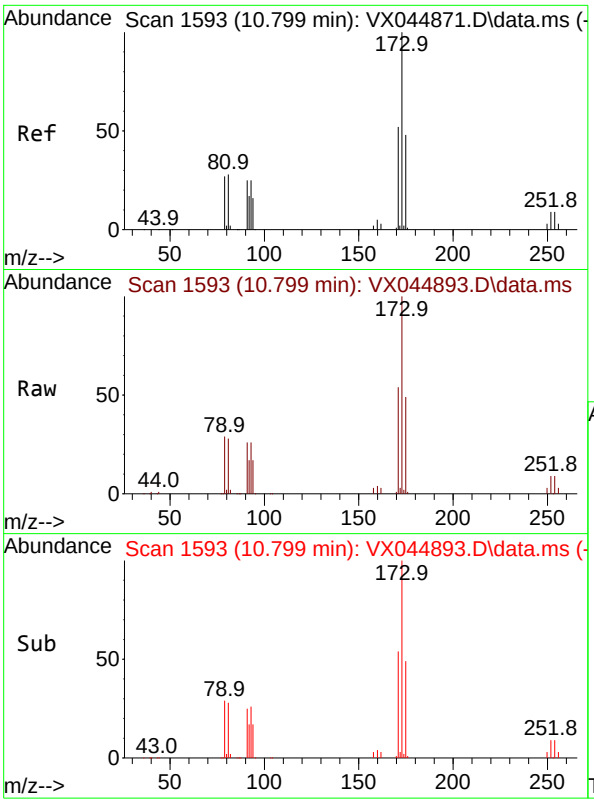


#70
Styrene
Concen: 50.735 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:104 Resp: 230163

Ion	Ratio	Lower	Upper
104	100		
78	51.3	40.5	60.7
103	54.8	43.6	65.4



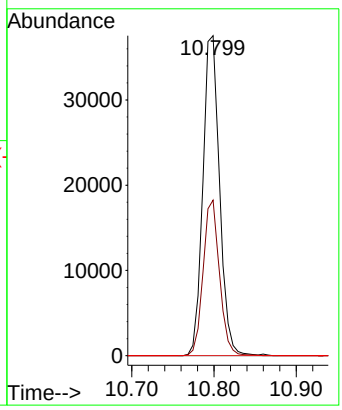


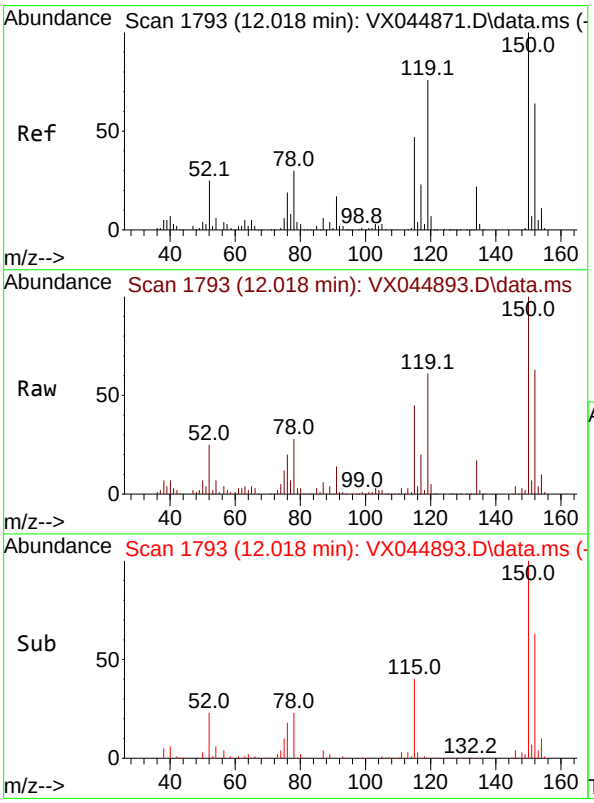
#71
Bromoform
Concen: 51.218 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 53037

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	72.8
254	0.0	0.0	0.0

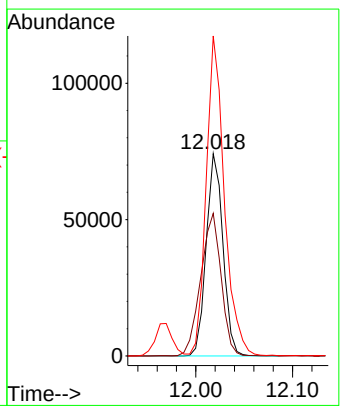


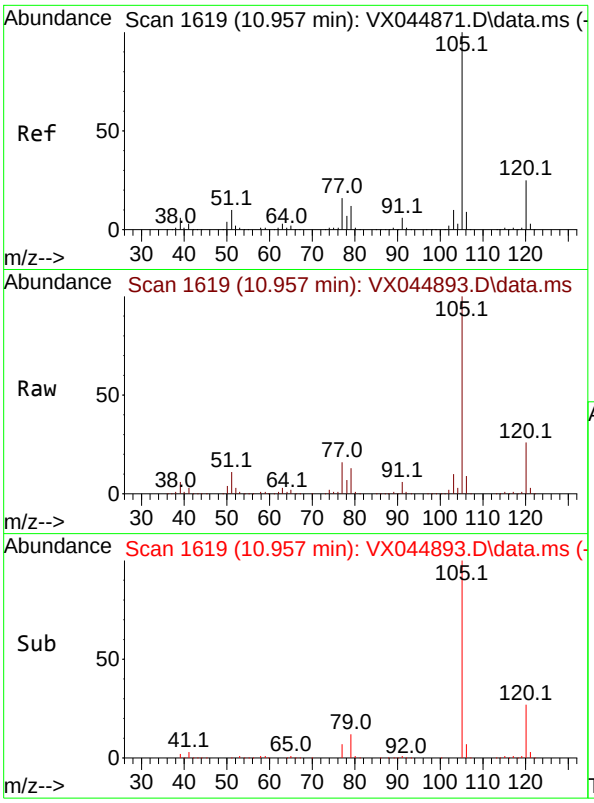


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:152 Resp: 89456

Ion	Ratio	Lower	Upper
152	100		
115	86.1	43.4	130.1
150	170.8	0.0	350.4



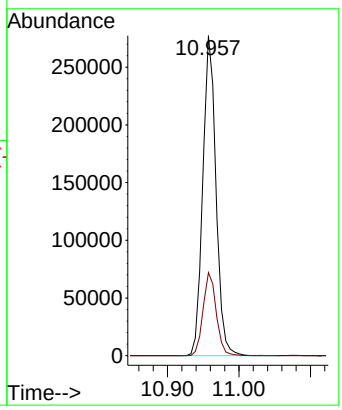


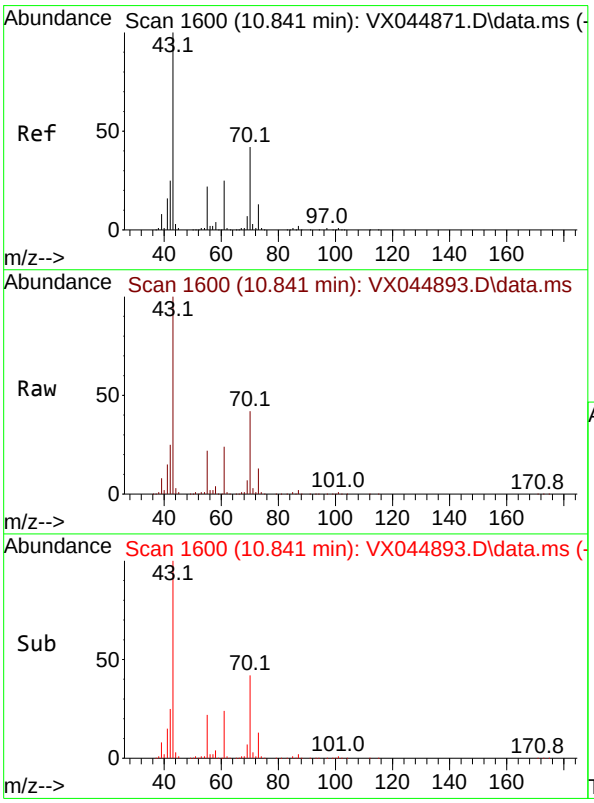
#73
Isopropylbenzene
Concen: 49.263 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 354838

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

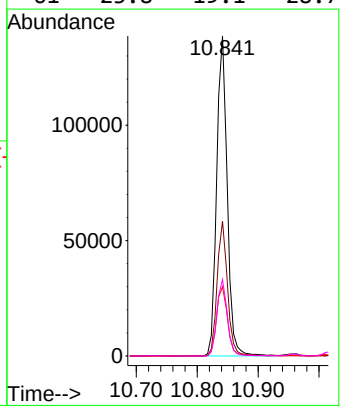


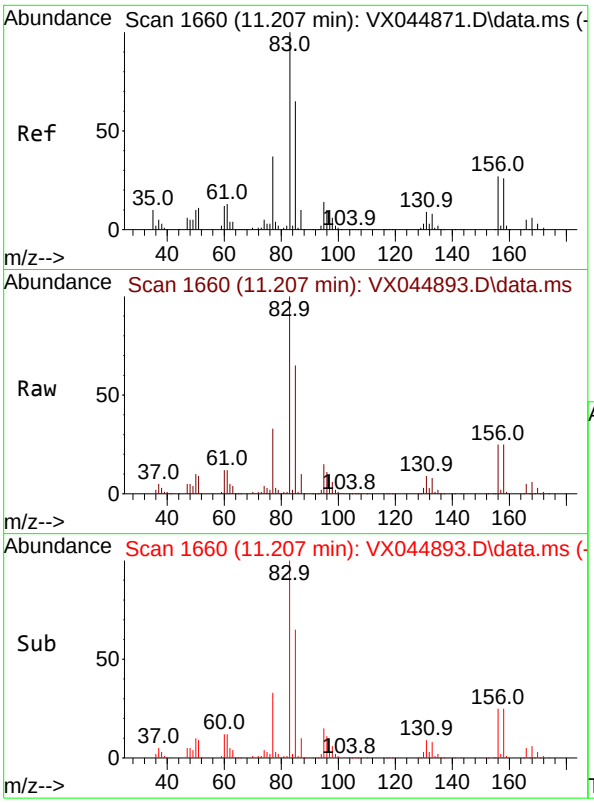


#74
N-amyl acetate
Concen: 51.000 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 166229

Ion	Ratio	Lower	Upper
43	100		
70	41.6	33.7	50.5
55	22.6	18.6	27.8
61	23.8	19.1	28.7



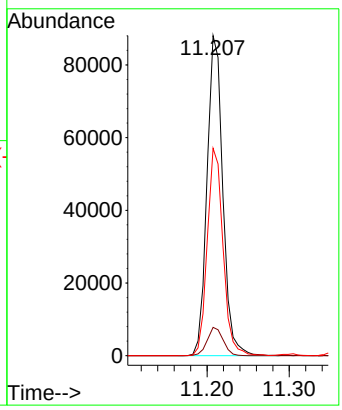


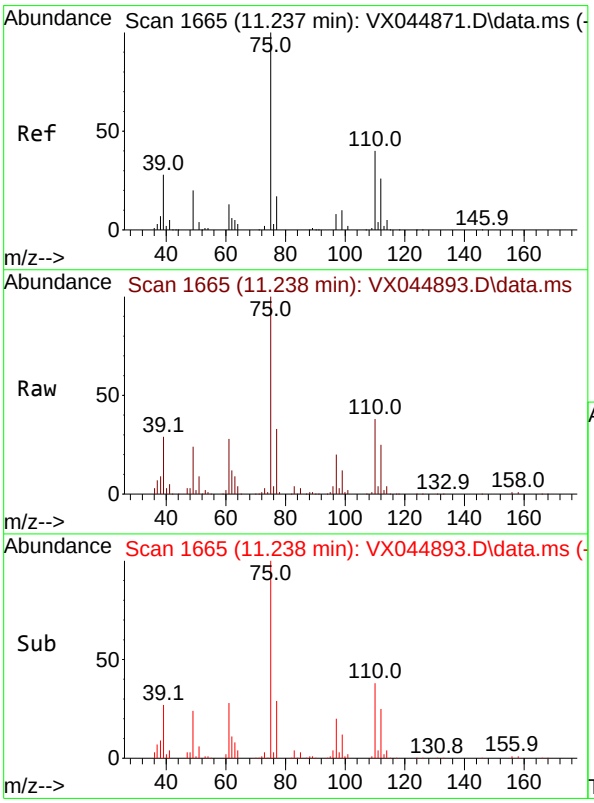
#75
1,1,2,2-Tetrachloroethane
Concen: 47.393 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 117303

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.5
85	64.7	32.3	96.8

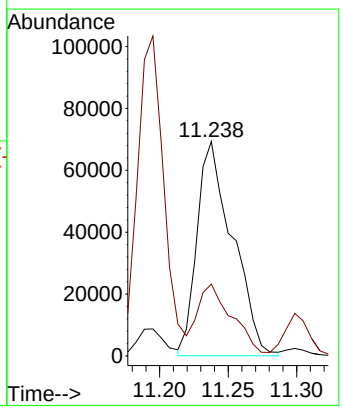


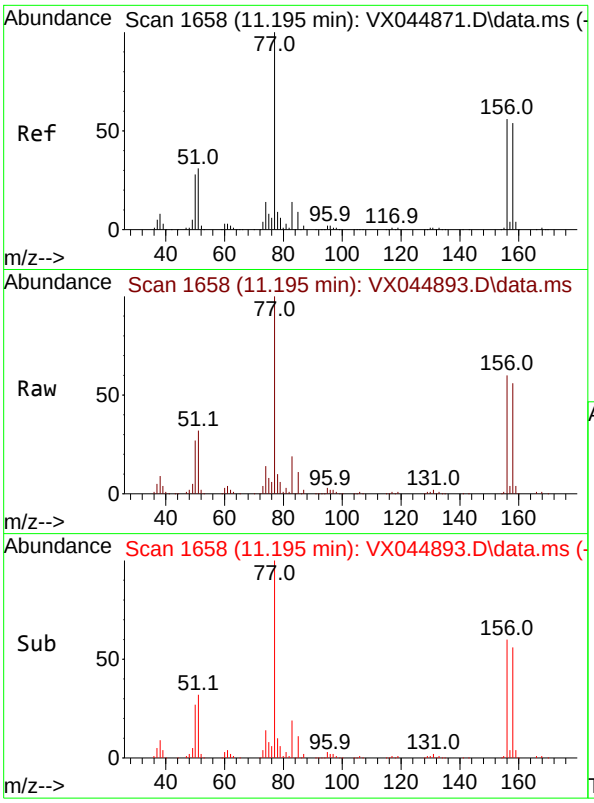


#76
1,2,3-Trichloropropane
Concen: 63.199 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 75 Resp: 125348

Ion	Ratio	Lower	Upper
75	100		
77	32.7	21.9	65.7



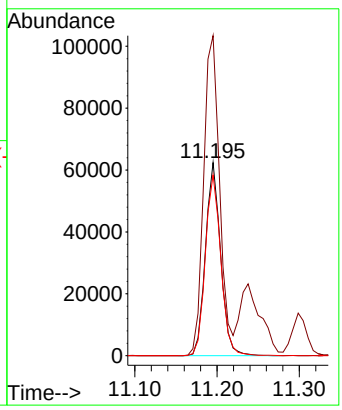


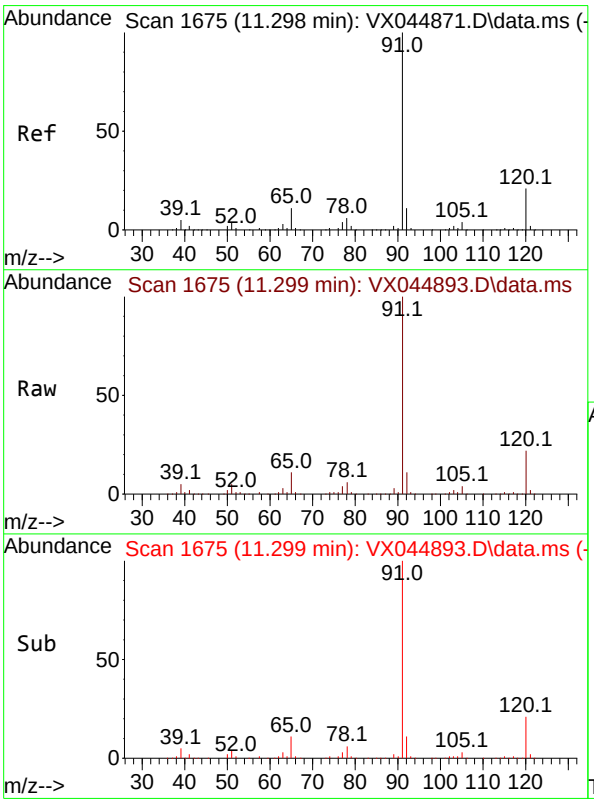
#77
Bromobenzene
Concen: 48.866 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 79799

Ion	Ratio	Lower	Upper
156	100		
77	174.7	88.4	265.3
158	96.0	48.4	145.2

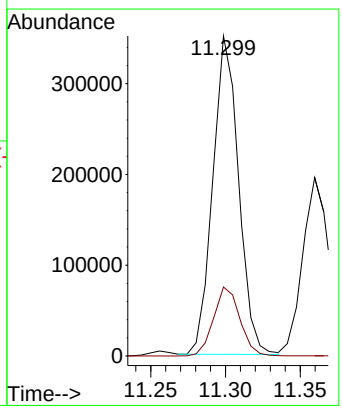


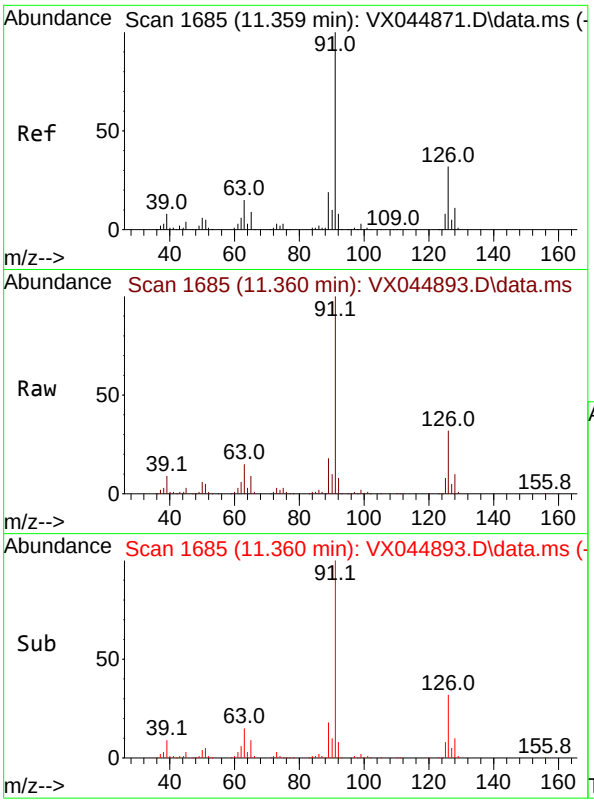


#78
n-propylbenzene
Concen: 50.565 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 91 Resp: 420391

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3



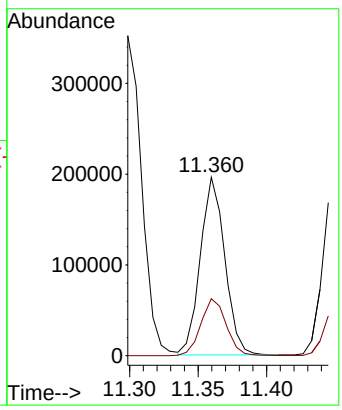


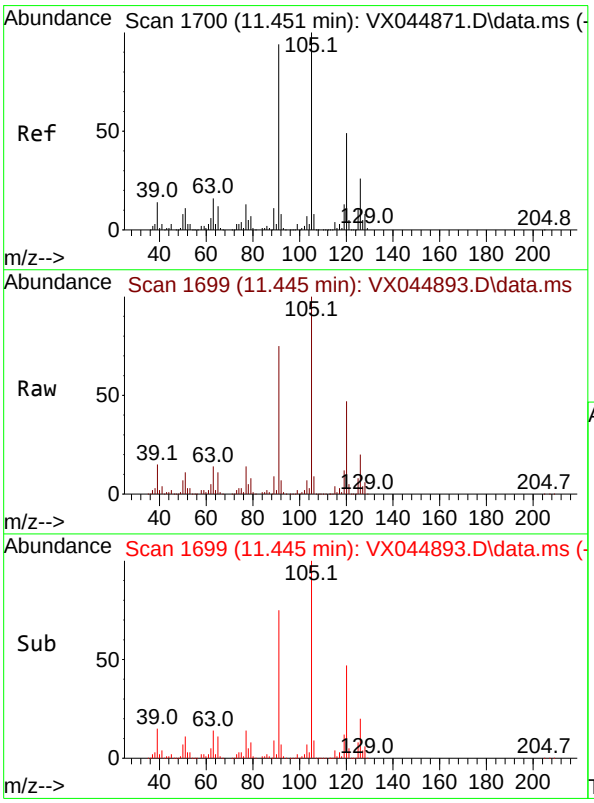
#79
2-Chlorotoluene
Concen: 47.642 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 243433

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.2	48.6

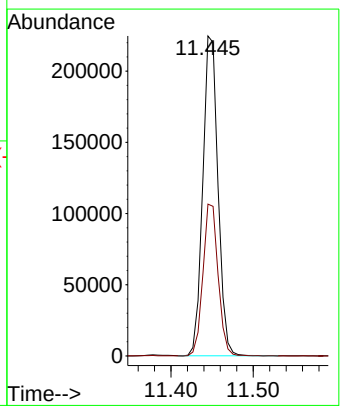


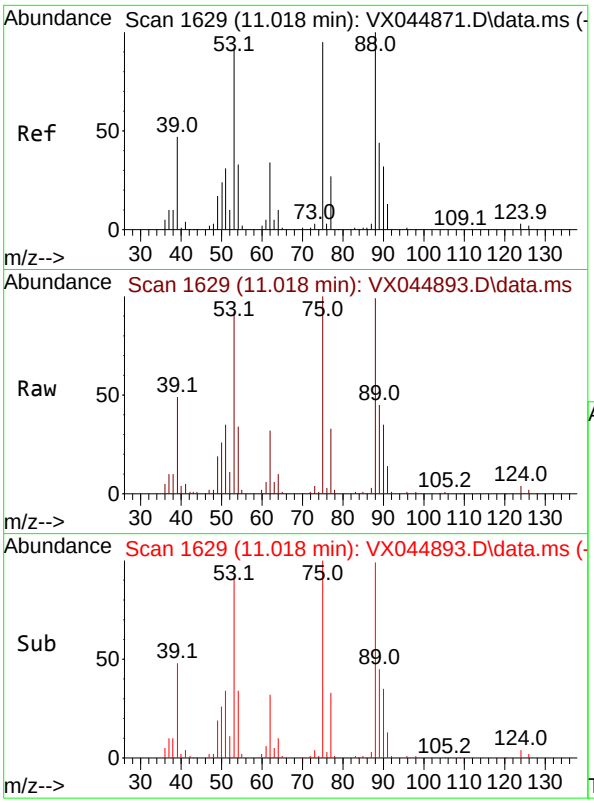


#80
1,3,5-Trimethylbenzene
Concen: 49.408 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:105 Resp: 288797

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.0	72.0



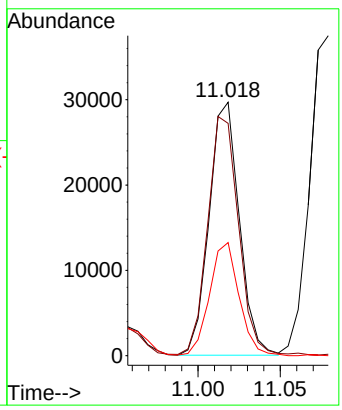


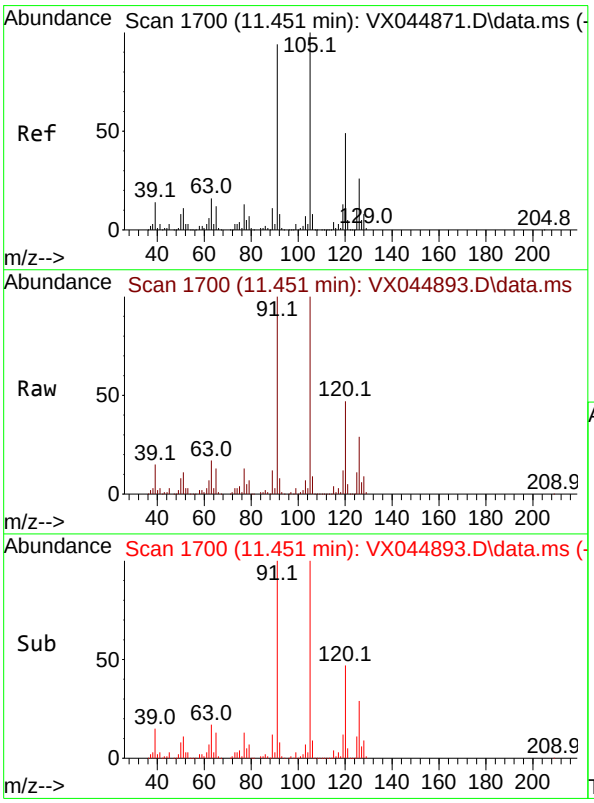
#81
trans-1,4-Dichloro-2-butene
Concen: 49.096 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 37854

Ion	Ratio	Lower	Upper
75	100		
53	96.6	78.0	117.0
89	43.9	36.6	54.8

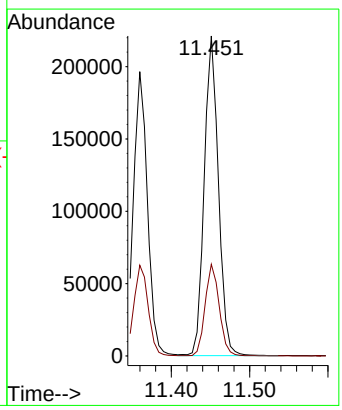


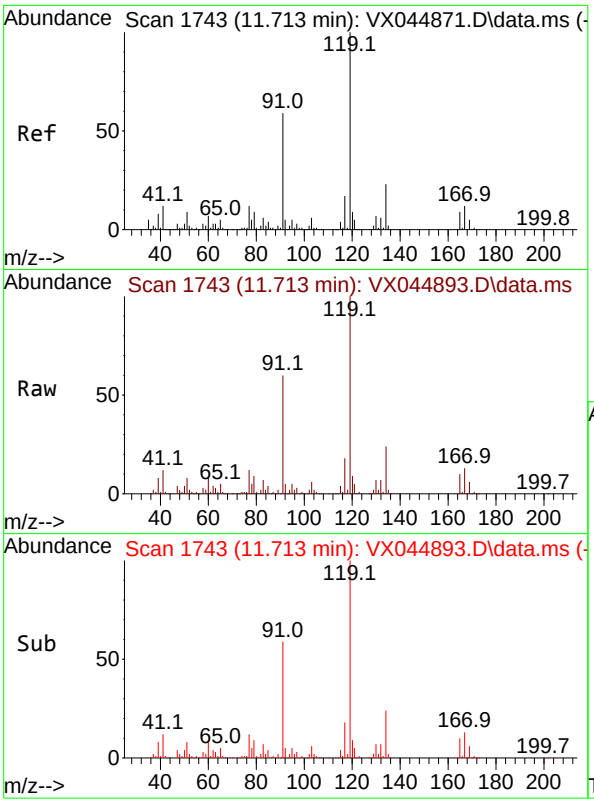


#82
4-Chlorotoluene
Concen: 49.026 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 91 Resp: 277142

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6



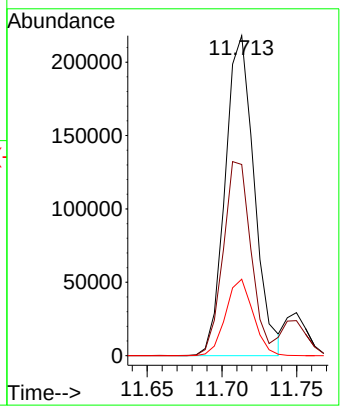


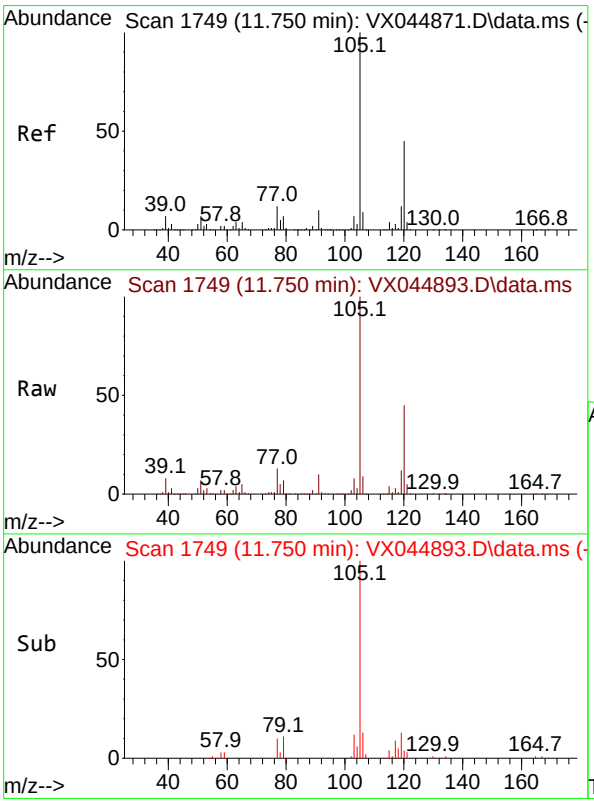
#83
tert-Butylbenzene
Concen: 49.817 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 294574

Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.1	87.4
134	22.7	11.5	34.5

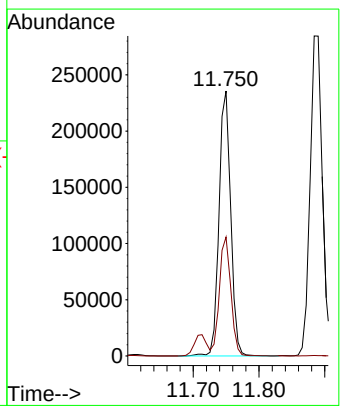


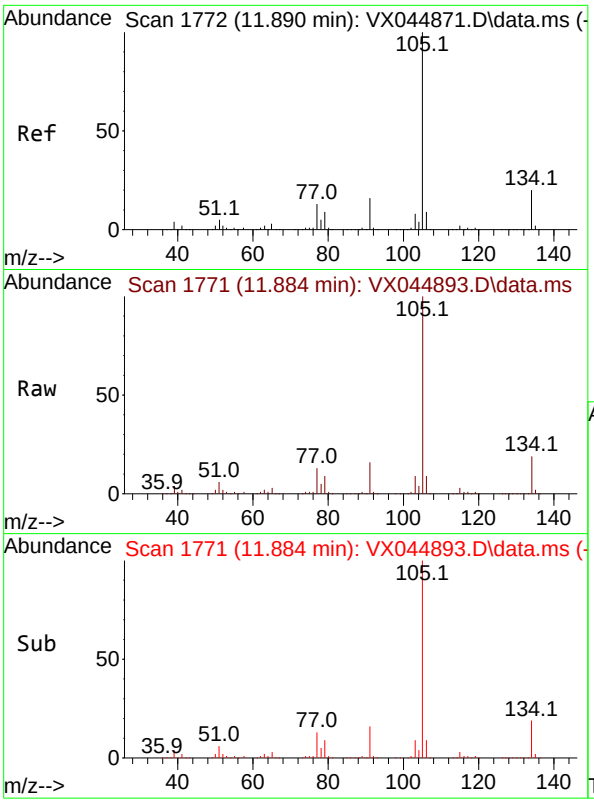


#84
1,2,4-Trimethylbenzene
Concen: 50.496 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:105 Resp: 291318

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.4	67.0



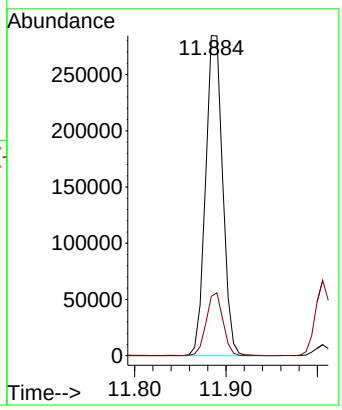


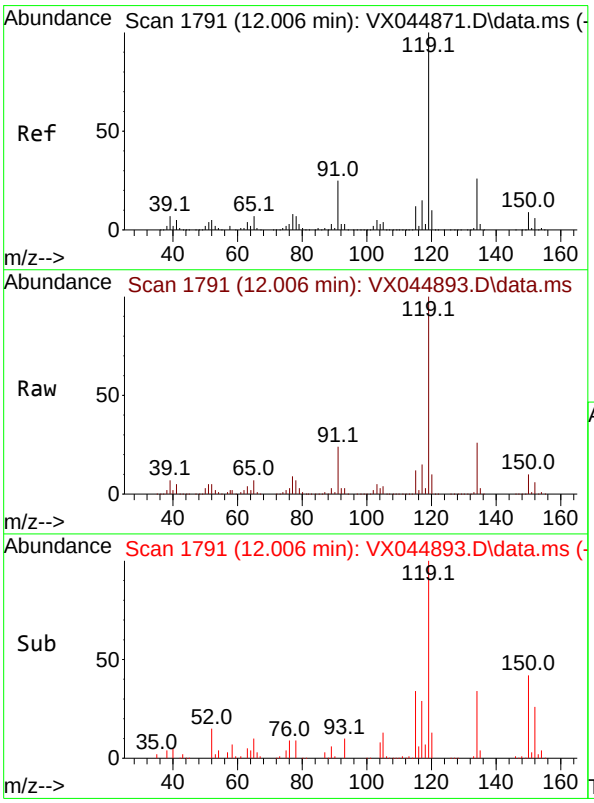
#85
sec-Butylbenzene
Concen: 50.355 ug/l
RT: 11.884 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 368710

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.3

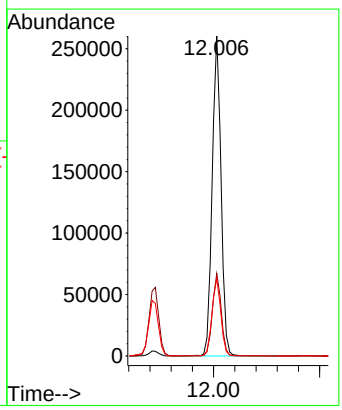


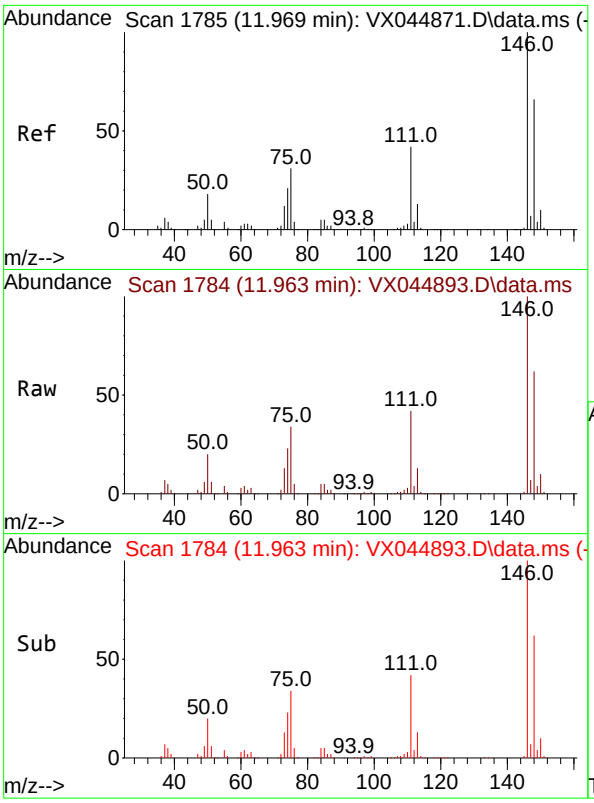


#86
p-Isopropyltoluene
Concen: 51.268 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:119 Resp: 301888

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.1	12.1	36.3



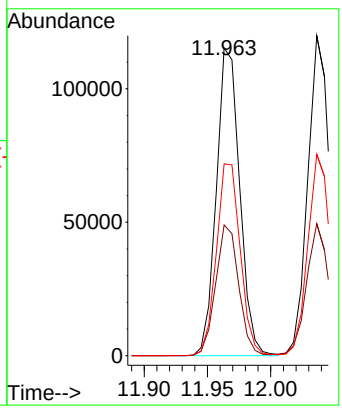


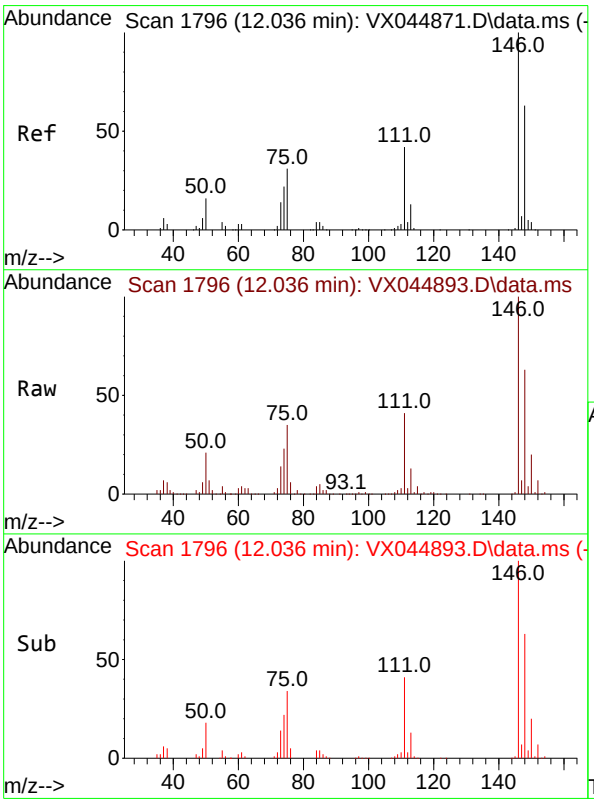
#87
1,3-Dichlorobenzene
Concen: 49.304 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 148060

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	63.7	32.5	97.5

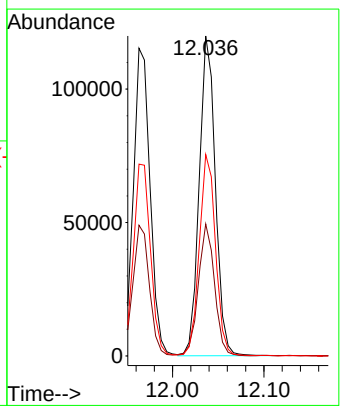


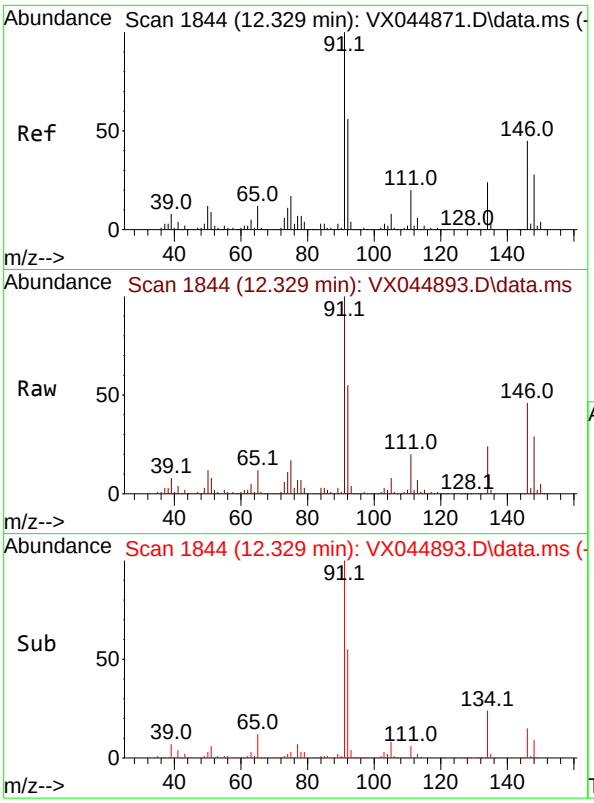


#88
1,4-Dichlorobenzene
Concen: 48.277 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:146 Resp: 146583

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.4	61.3
148	63.3	32.0	96.0



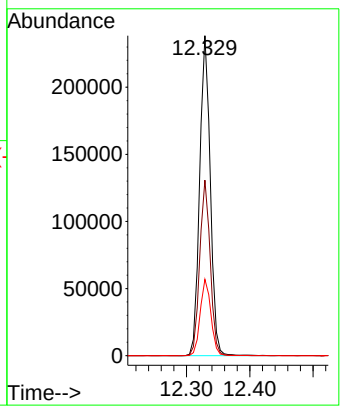


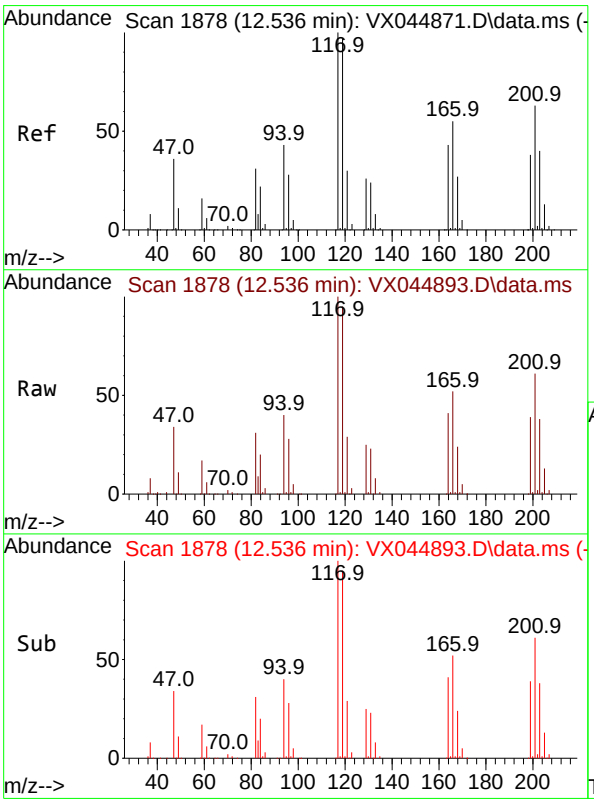
#89
n-Butylbenzene
Concen: 53.540 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 278914

Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.6
134	24.1	12.1	36.3

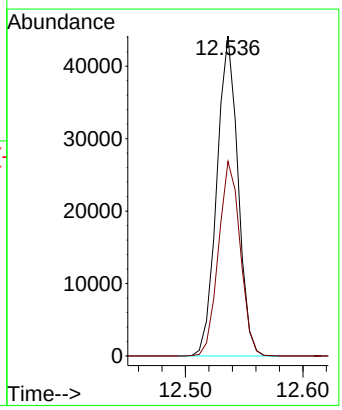


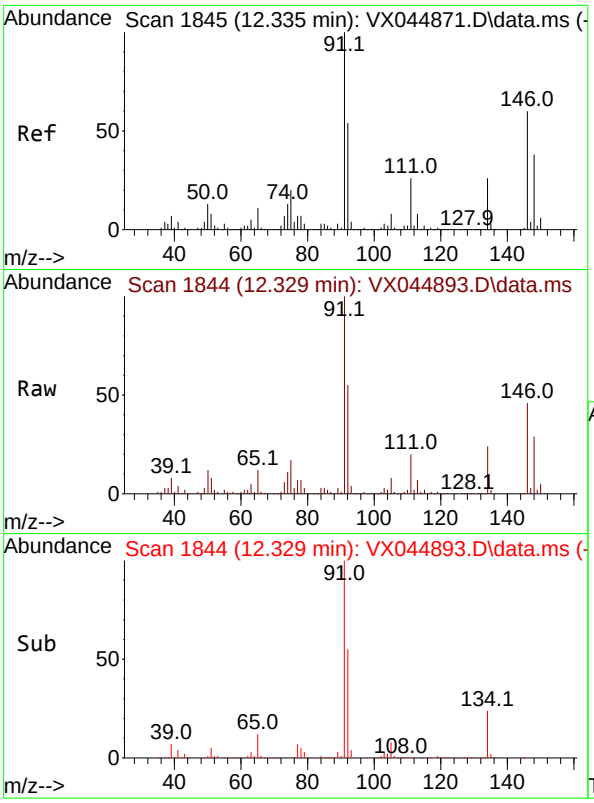


#90
Hexachloroethane
Concen: 50.129 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:117 Resp: 55271

Ion	Ratio	Lower	Upper
117	100		
201	62.5	32.5	97.5



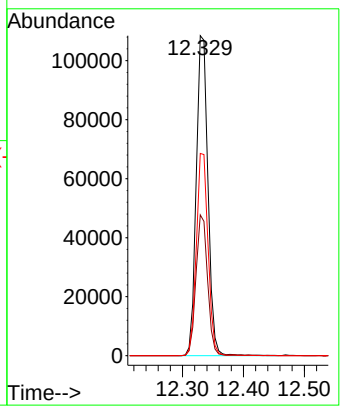


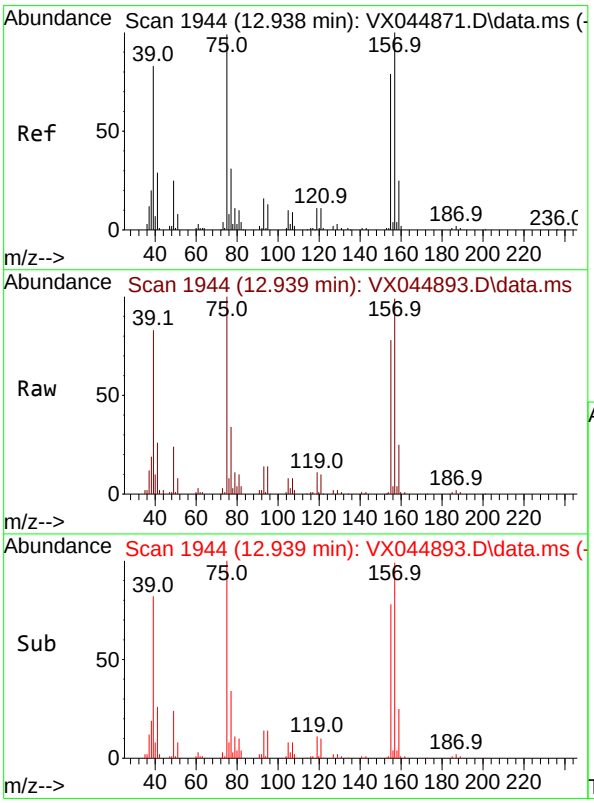
#91
1,2-Dichlorobenzene
Concen: 48.952 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 144478

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	63.1	31.9	95.9

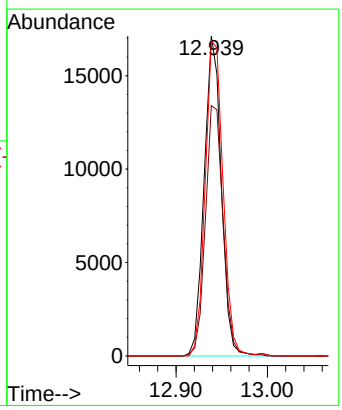


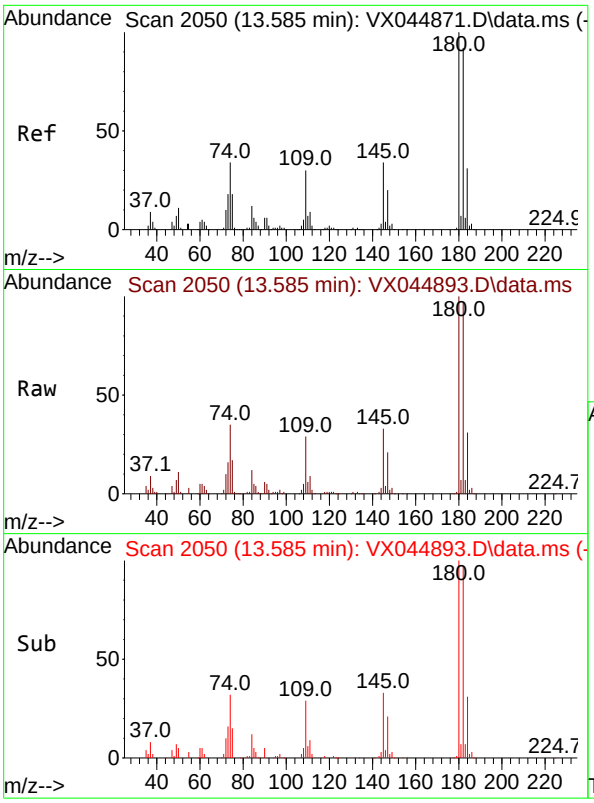


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.115 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 75 Resp: 22187

Ion	Ratio	Lower	Upper
75	100		
155	80.9	40.5	121.4
157	102.7	51.4	154.3



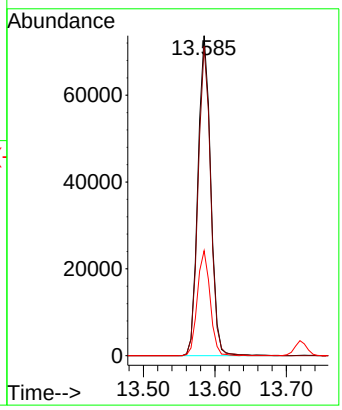


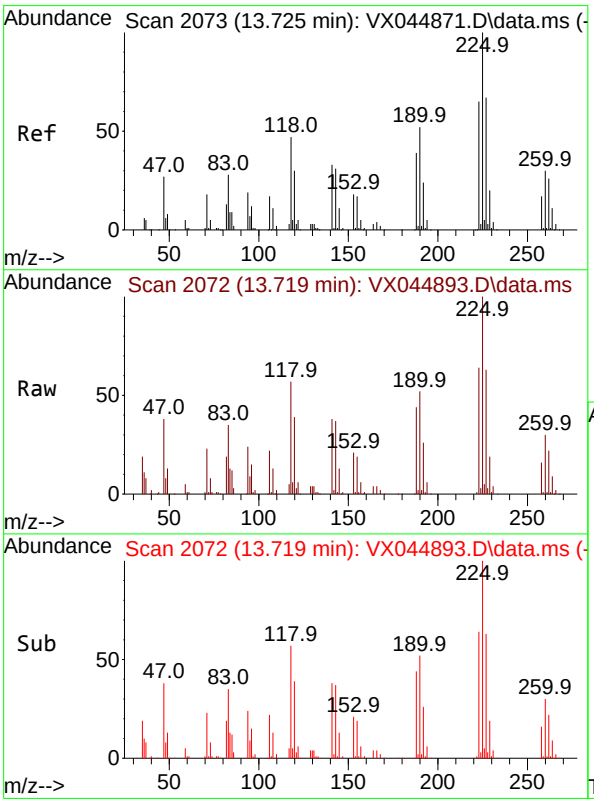
#93
1,2,4-Trichlorobenzene
Concen: 50.885 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 90876

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	32.9	16.4	49.1

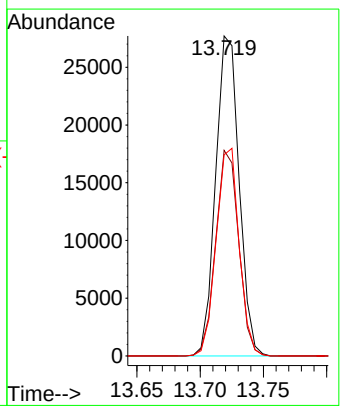


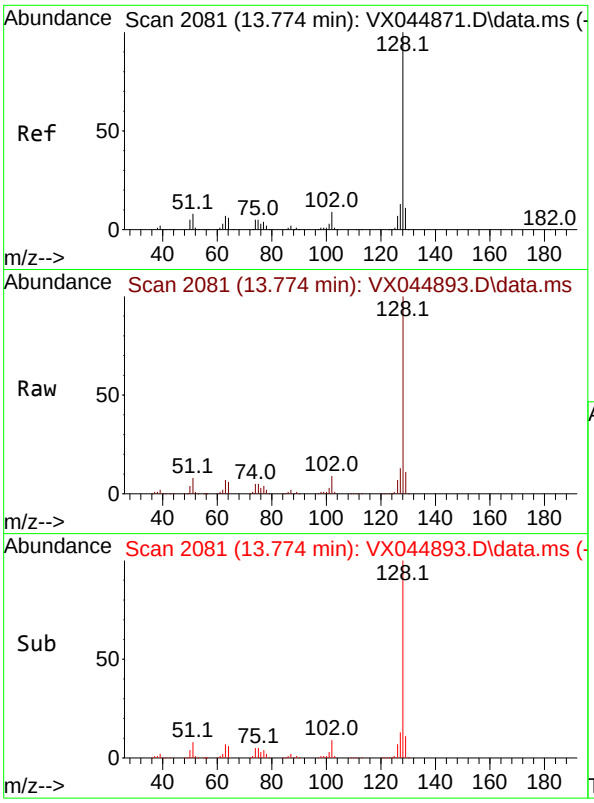


#94
Hexachlorobutadiene
Concen: 50.316 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:225 Resp: 35673

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.2
227	63.5	32.3	96.8



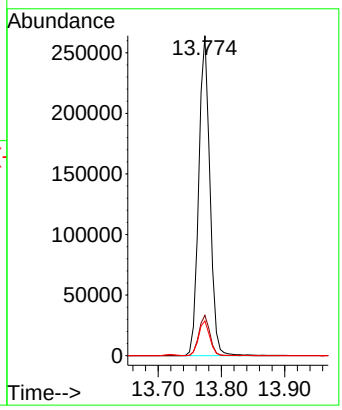


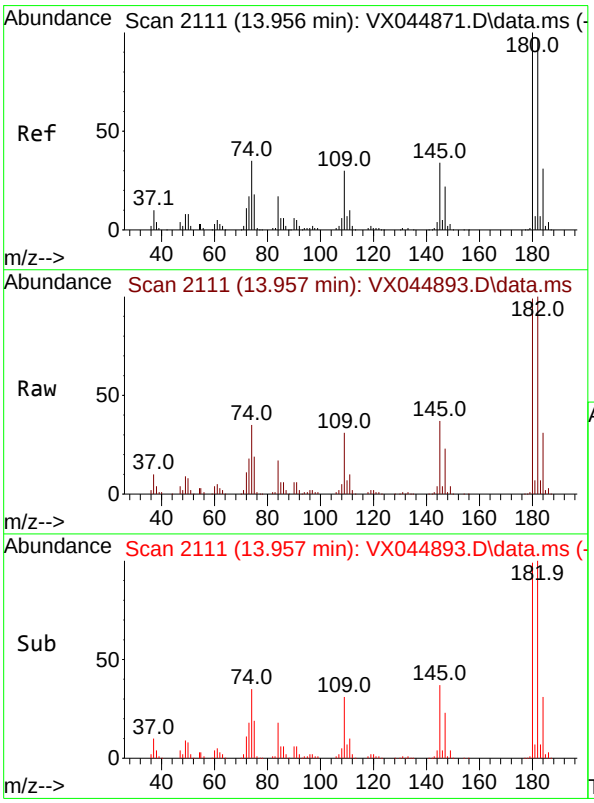
#95
Naphthalene
Concen: 50.417 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 325482

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.9	13.3

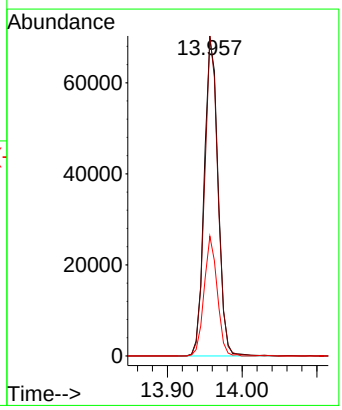




#96
1,2,3-Trichlorobenzene
Concen: 49.753 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:180 Resp: 89533

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.9	143.6
145	35.6	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044896.D
Acq On : 11 Feb 2025 11:23
Operator : JC/MD
Sample : VX0211WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Quant Time: Feb 12 02:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	122388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	213544	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	190238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	87843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	78398	43.760	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 87.520%			
35) Dibromofluoromethane	5.379	113	63156	45.489	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.980%			
50) Toluene-d8	8.647	98	242464	46.183	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.360%			
62) 4-Bromofluorobenzene	11.079	95	83827	47.362	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	32027	18.658	ug/l	97
3) Chloromethane	1.294	50	37256	17.833	ug/l	99
4) Vinyl Chloride	1.374	62	36130	17.851	ug/l	99
5) Bromomethane	1.593	94	11503	18.993	ug/l	99
6) Chloroethane	1.666	64	19246	22.573	ug/l	99
7) Trichlorofluoromethane	1.873	101	46837	18.299	ug/l	97
8) Diethyl Ether	2.130	74	17191	18.520	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	28594	18.490	ug/l	99
10) Methyl Iodide	2.447	142	37251	18.586	ug/l	99
11) Tert butyl alcohol	2.971	59	30779	92.607	ug/l	99
12) 1,1-Dichloroethene	2.312	96	28452	18.036	ug/l	96
13) Acrolein	2.233	56	26717	77.912	ug/l	100
14) Allyl chloride	2.660	41	50787	17.814	ug/l	97
15) Acrylonitrile	3.062	53	79135	89.177	ug/l	99
16) Acetone	2.380	43	63538	88.221	ug/l	99
17) Carbon Disulfide	2.501	76	74275	17.170	ug/l	98
18) Methyl Acetate	2.697	43	40956	18.021	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	89228	17.778	ug/l	100
20) Methylene Chloride	2.782	84	31484	17.847	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	27928	17.988	ug/l	93
22) Diisopropyl ether	3.757	45	100392	18.613	ug/l	95
23) Vinyl Acetate	3.715	43	397646	90.433	ug/l	100
24) 1,1-Dichloroethane	3.605	63	54622	18.099	ug/l	98
25) 2-Butanone	4.556	43	105608	90.302	ug/l	95
26) 2,2-Dichloropropane	4.471	77	43271	18.080	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	34607	18.557	ug/l	97
28) Bromochloromethane	4.891	49	22169	15.285	ug/l	100
29) Tetrahydrofuran	5.001	42	71647	92.261	ug/l	99
30) Chloroform	5.080	83	54058	18.470	ug/l	97
31) Cyclohexane	5.458	56	50621	18.194	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	44956	18.109	ug/l	99
36) 1,1-Dichloropropene	5.684	75	38557	19.249	ug/l	99
37) Ethyl Acetate	4.708	43	39887	17.903	ug/l	98
38) Carbon Tetrachloride	5.665	117	37975	19.346	ug/l	95
39) Methylcyclohexane	7.372	83	52588	20.307	ug/l	98
40) Benzene	6.031	78	120297	19.233	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044896.D
Acq On : 11 Feb 2025 11:23
Operator : JC/MD
Sample : VX0211WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Quant Time: Feb 12 02:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22207	18.621 ug/l	97
42) 1,2-Dichloroethane	6.080	62	39196	19.662 ug/l	98
43) Isopropyl Acetate	6.336	43	67173	18.670 ug/l	99
44) Trichloroethene	7.123	130	27440	19.193 ug/l	97
45) 1,2-Dichloropropane	7.421	63	29707	19.091 ug/l	97
46) Dibromomethane	7.574	93	20763	19.240 ug/l	98
47) Bromodichloromethane	7.818	83	40827	19.539 ug/l	98
48) Methyl methacrylate	7.690	41	31984	18.854 ug/l	99
49) 1,4-Dioxane	7.659	88	15032	413.003 ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	217292	99.343 ug/l	99
52) Toluene	8.714	92	72821	19.549 ug/l	98
53) t-1,3-Dichloropropene	8.976	75	39281	18.577 ug/l	94
54) cis-1,3-Dichloropropene	8.360	75	44977	19.077 ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	28376	19.816 ug/l	97
56) Ethyl methacrylate	9.116	69	44038	19.041 ug/l	99
57) 1,3-Dichloropropane	9.305	76	48722	19.446 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	91789	80.829 ug/l	99
59) 2-Hexanone	9.427	43	160581	101.894 ug/l	98
60) Dibromochloromethane	9.518	129	29042	18.964 ug/l	100
61) 1,2-Dibromoethane	9.610	107	27865	19.199 ug/l	97
64) Tetrachloroethene	9.268	164	22565	18.808 ug/l	98
65) Chlorobenzene	10.079	112	77829	19.048 ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	24758	18.825 ug/l	98
67) Ethyl Benzene	10.189	91	137771	19.107 ug/l	100
68) m/p-Xylenes	10.299	106	103355	38.857 ug/l	100
69) o-Xylene	10.640	106	51211	19.188 ug/l	98
70) Styrene	10.652	104	83008	19.304 ug/l	99
71) Bromoform	10.799	173	18821	19.176 ug/l #	97
73) Isopropylbenzene	10.957	105	129845	18.358 ug/l	100
74) N-amyl acetate	10.841	43	59187	18.492 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	44850	18.453 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	43972	22.577 ug/l	85
77) Bromobenzene	11.195	156	30059	18.745 ug/l	99
78) n-propylbenzene	11.299	91	152366	18.663 ug/l	100
79) 2-Chlorotoluene	11.360	91	92170	18.370 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	107531	18.734 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12359	16.324 ug/l	96
82) 4-Chlorotoluene	11.451	91	102495	18.464 ug/l	100
83) tert-Butylbenzene	11.713	119	108994	18.771 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	108980	19.237 ug/l	100
85) sec-Butylbenzene	11.890	105	137742	19.157 ug/l	99
86) p-Isopropyltoluene	12.006	119	110966	19.191 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	56608	19.196 ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	55645	18.663 ug/l	99
89) n-Butylbenzene	12.329	91	98048	19.167 ug/l	99
90) Hexachloroethane	12.536	117	19308	17.833 ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	56136	19.369 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8224	18.540 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	32400	18.475 ug/l	100
94) Hexachlorobutadiene	13.719	225	13235	19.011 ug/l	97
95) Naphthalene	13.774	128	116851	18.432 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	33208	18.792 ug/l	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044896.D
Acq On : 11 Feb 2025 11:23
Operator : JC/MD
Sample : VX0211WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Quant Time: Feb 12 02:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

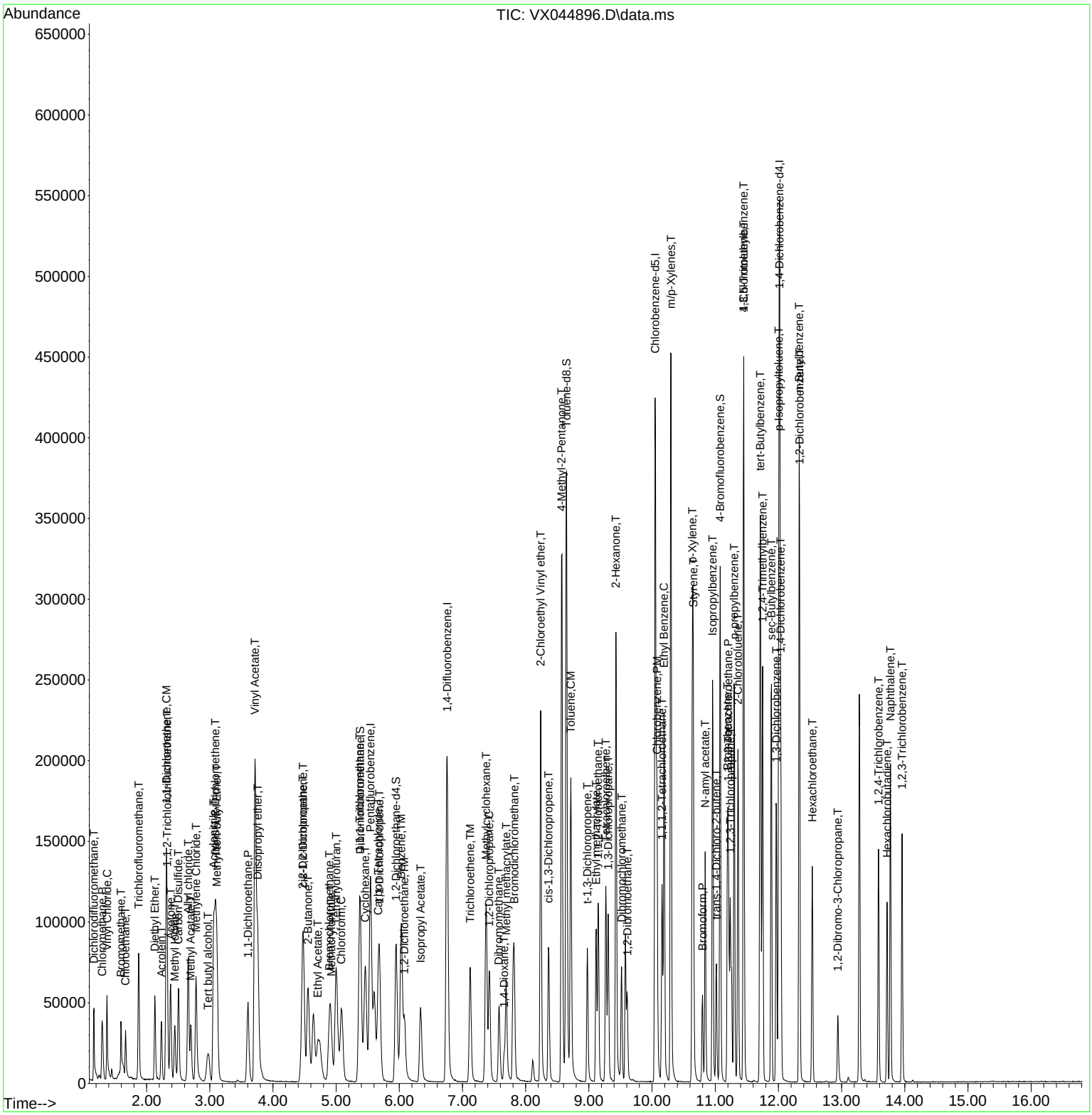
(#) = qualifier out of range (m) = manual integration (+) = signals summed

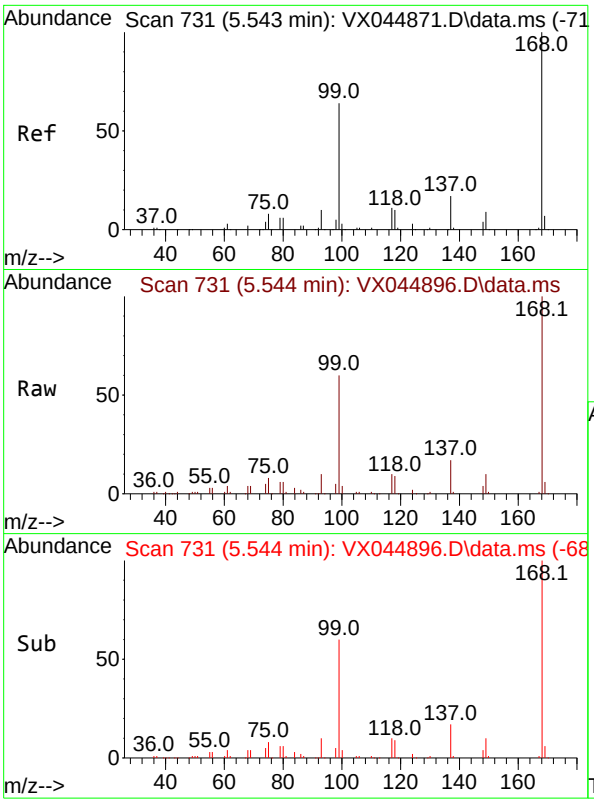
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044896.D
Acq On : 11 Feb 2025 11:23
Operator : JC/MD
Sample : VX0211WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Quant Time: Feb 12 02:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



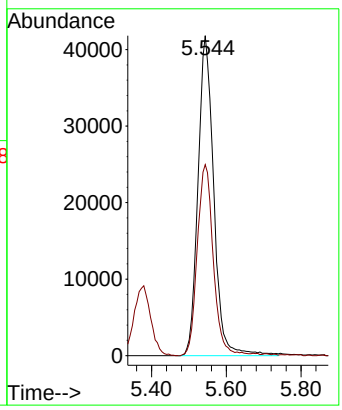


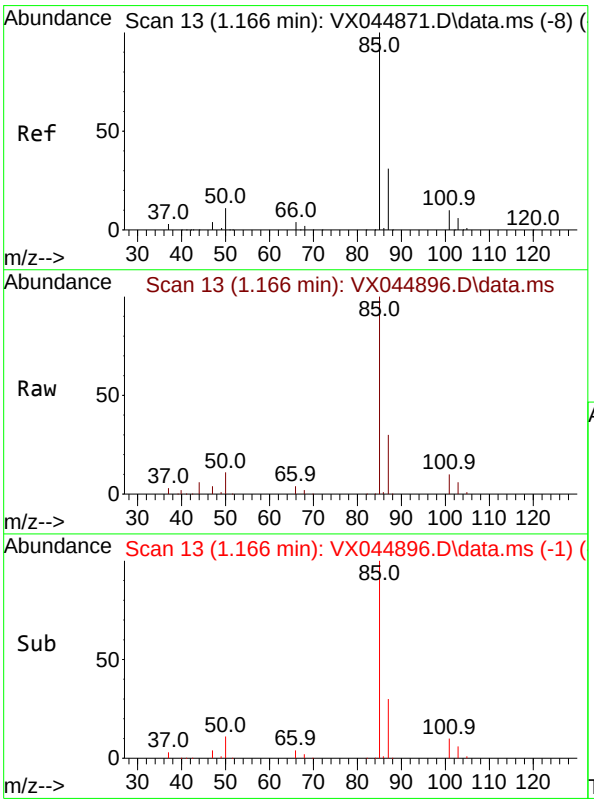
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:168 Resp: 122388

Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.2	76.8

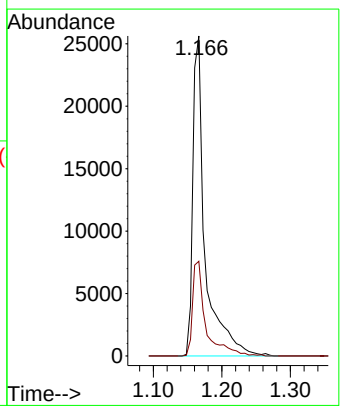


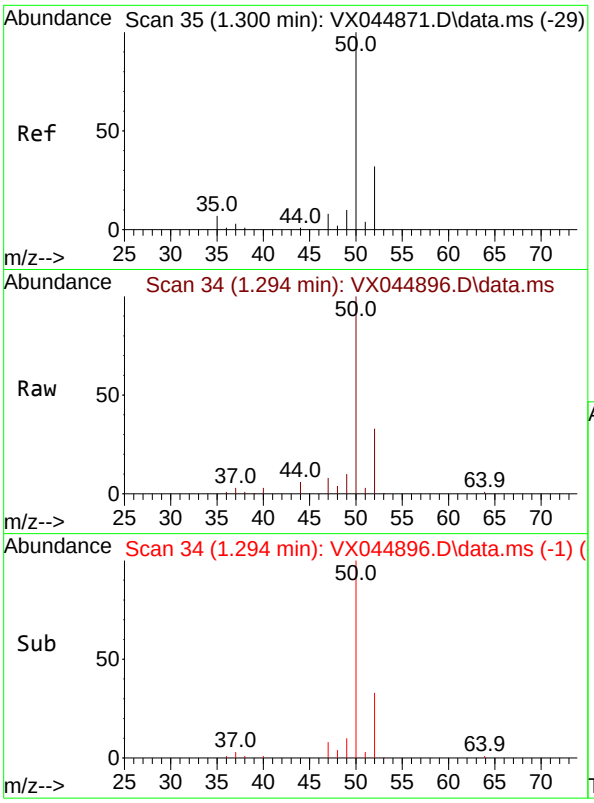


#2
Dichlorodifluoromethane
Concen: 18.658 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 85 Resp: 32027

Ion	Ratio	Lower	Upper
85	100		
87	29.6	15.8	47.3



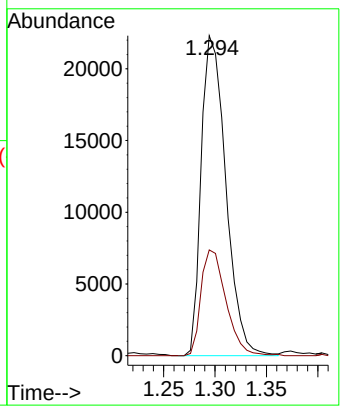


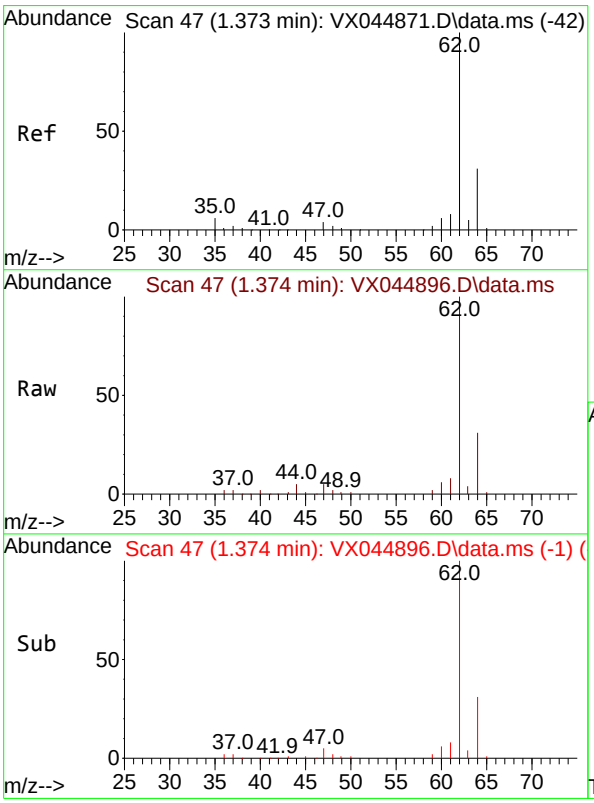
#3
Chloromethane
Concen: 17.833 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 50 Resp: 37256

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.9	38.9

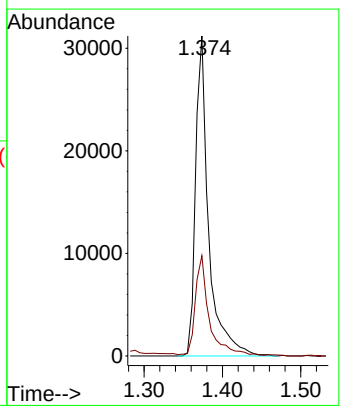


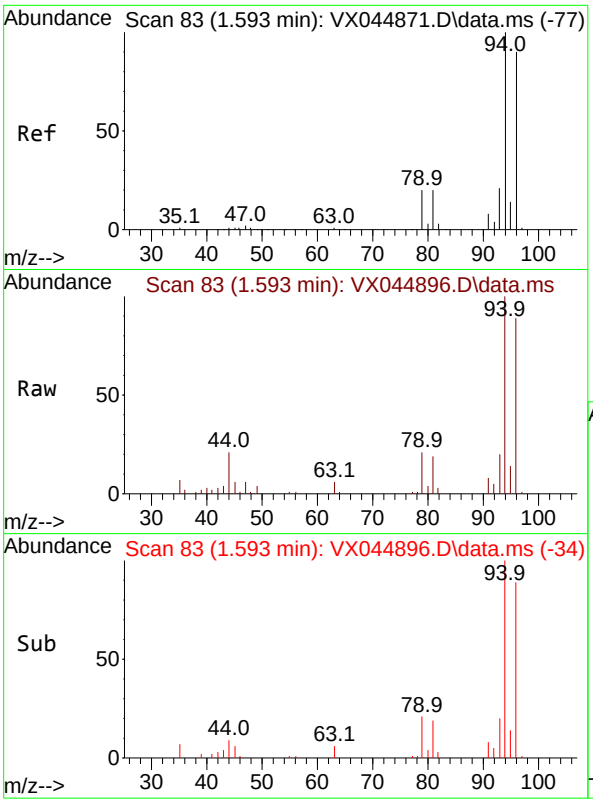


#4
Vinyl Chloride
Concen: 17.851 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 62 Resp: 36130

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.4	38.0



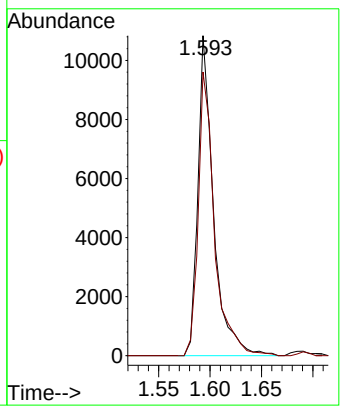


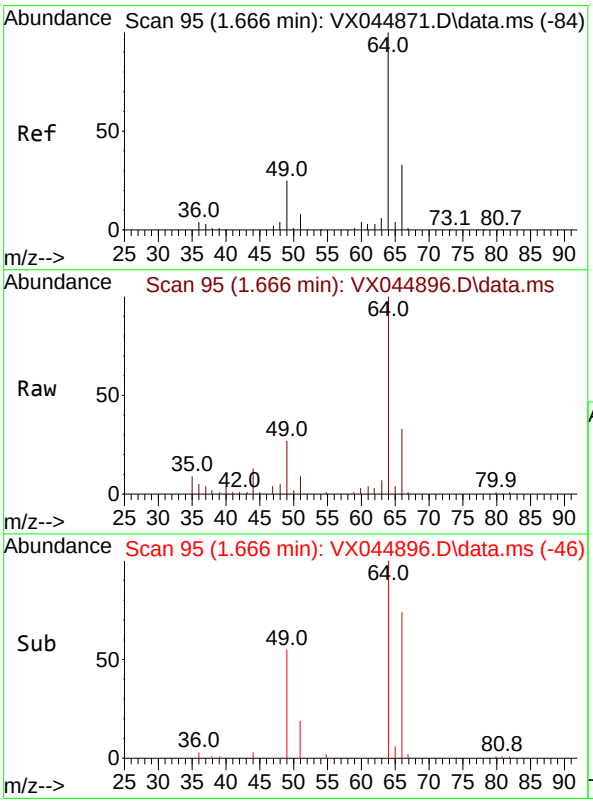
#5
Bromomethane
Concen: 18.993 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 94 Resp: 11503

Ion	Ratio	Lower	Upper
94	100		
96	88.6	71.6	107.4

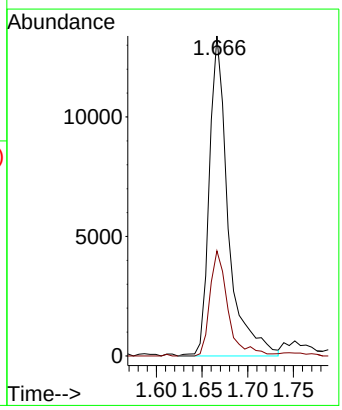


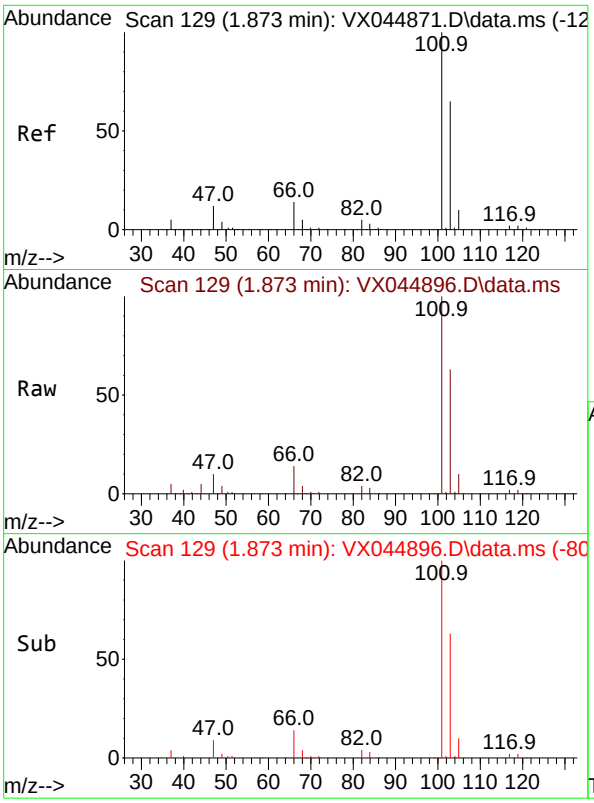


#6
Chloroethane
Concen: 22.573 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 64 Resp: 19246

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.9	38.9



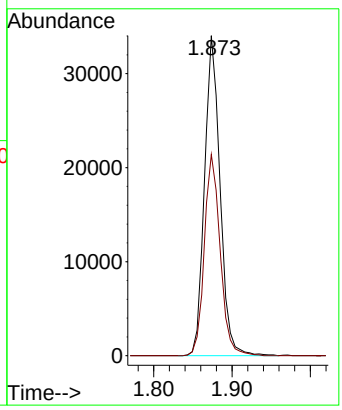


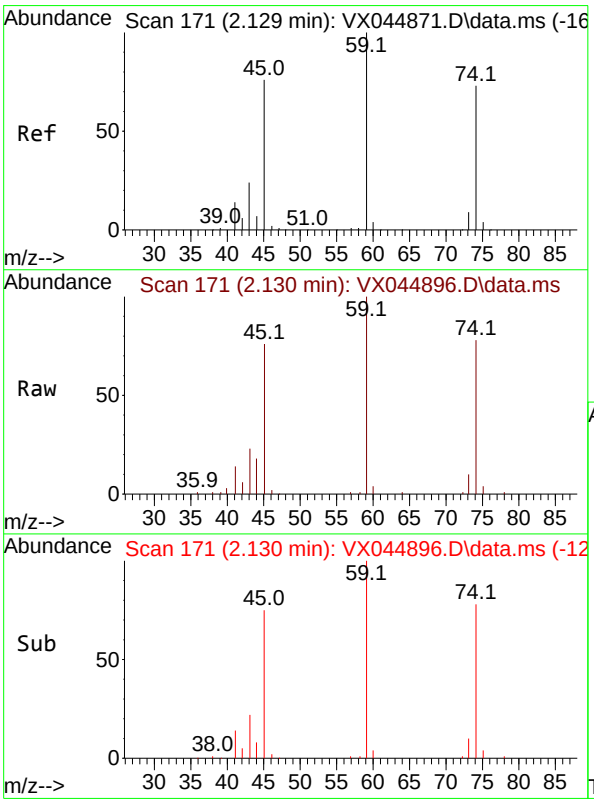
#7
Trichlorofluoromethane
Concen: 18.299 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:101 Resp: 46837

Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.4	78.6

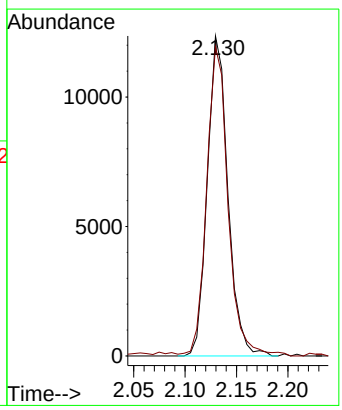


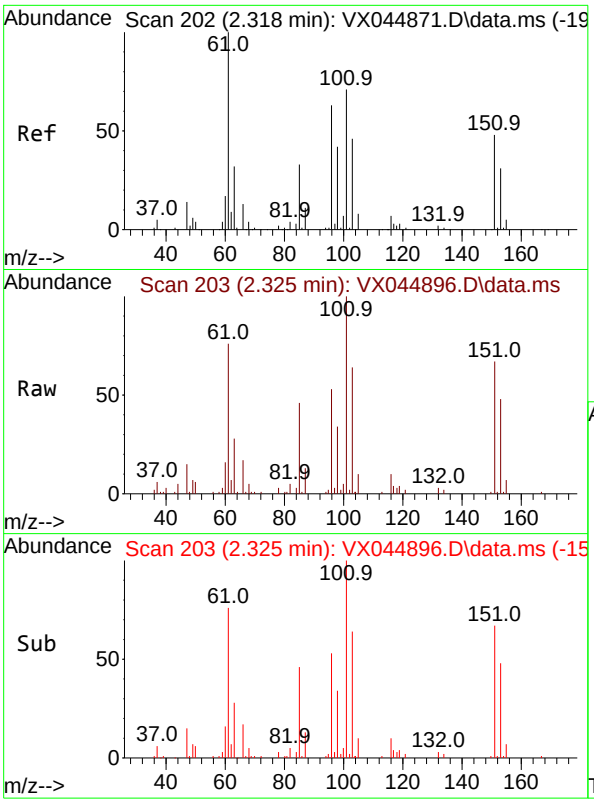


#8
Diethyl Ether
Concen: 18.520 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 74 Resp: 17191

Ion	Ratio	Lower	Upper
74	100		
45	100.5	51.1	153.4



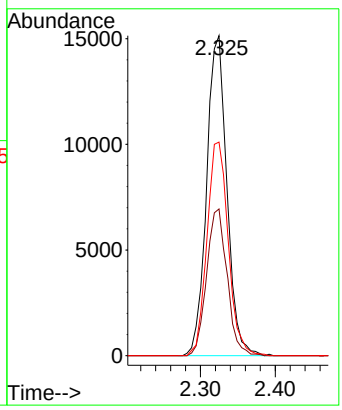


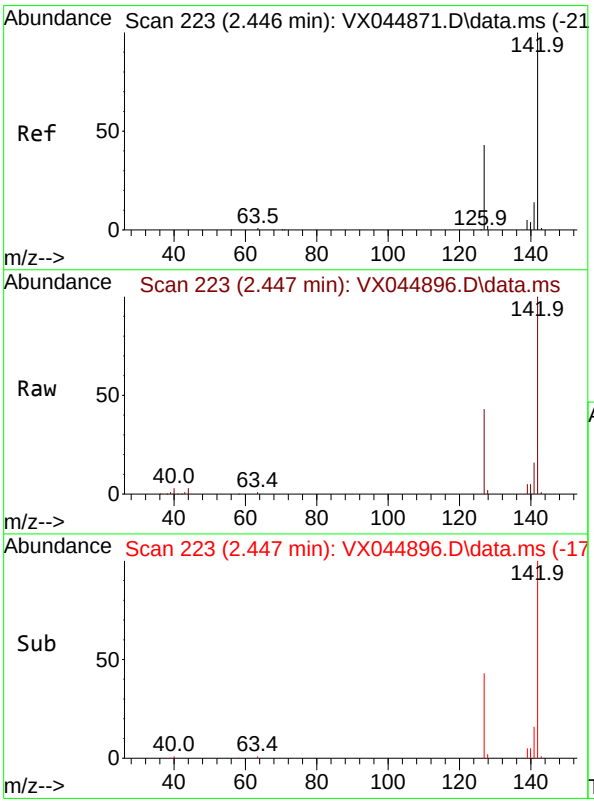
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.490 ug/l
RT: 2.325 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:101 Resp: 28594

Ion	Ratio	Lower	Upper
101	100		
85	46.3	35.7	53.5
151	70.0	56.0	84.0

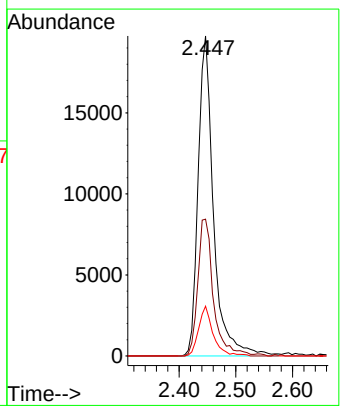


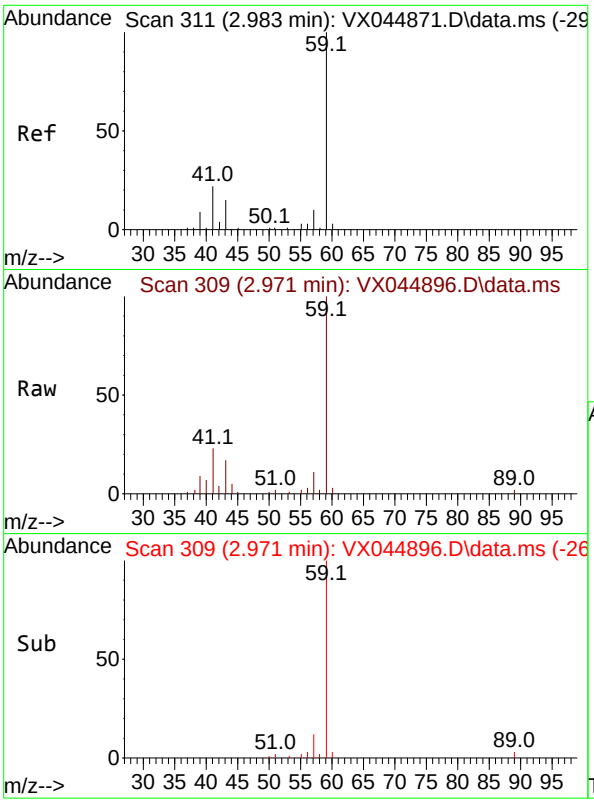


#10
Methyl Iodide
Concen: 18.586 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:142 Resp: 37251

Ion	Ratio	Lower	Upper
142	100		
127	43.2	34.3	51.5
141	14.7	11.4	17.2



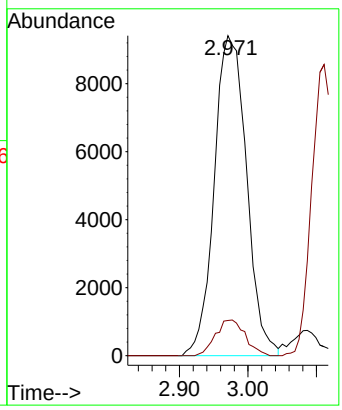


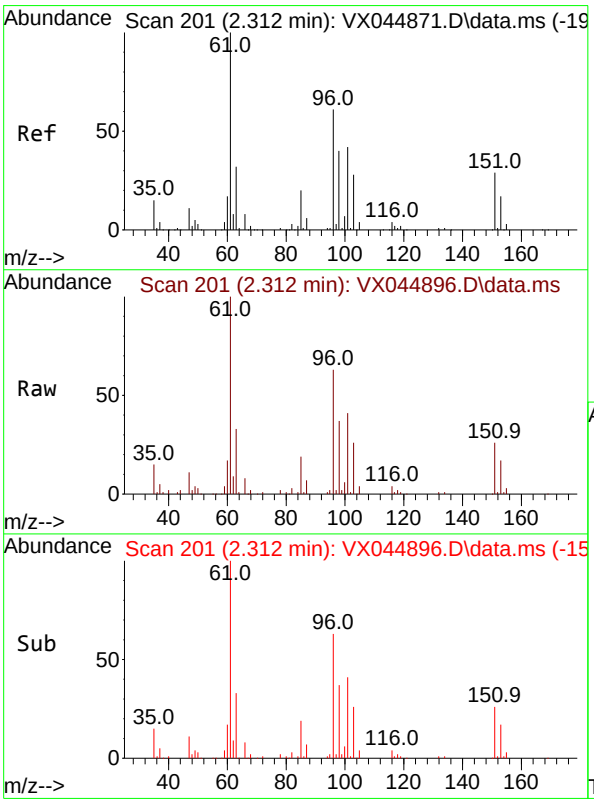
#11
Tert butyl alcohol
Concen: 92.607 ug/l
RT: 2.971 min Scan# 3(
Delta R.T. -0.012 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 59 Resp: 30779

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

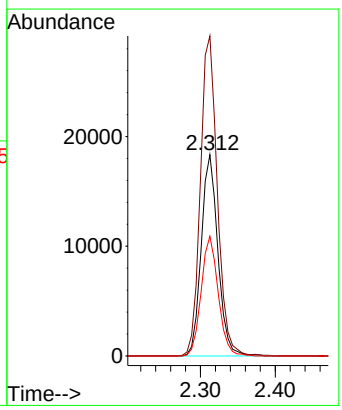


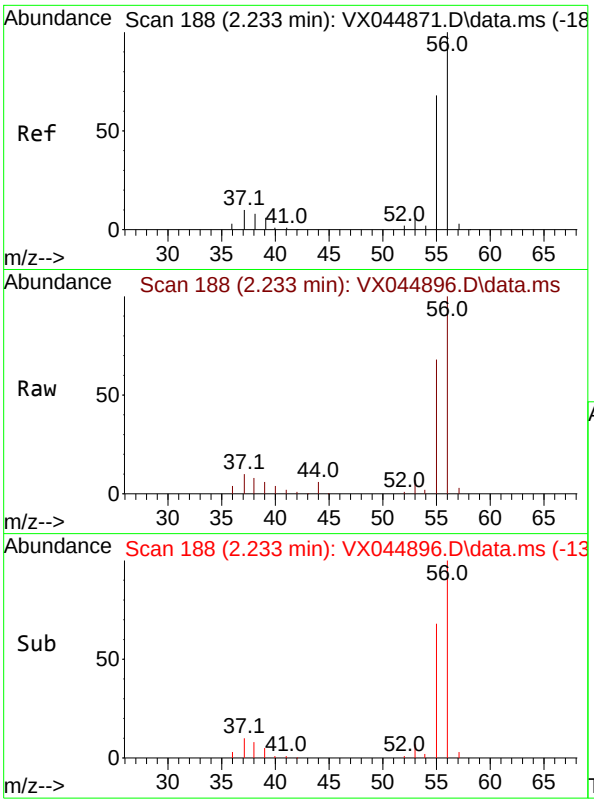


#12
1,1-Dichloroethene
Concen: 18.036 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 96 Resp: 28452

Ion	Ratio	Lower	Upper
96	100		
61	159.0	130.2	195.4
98	59.4	52.2	78.4



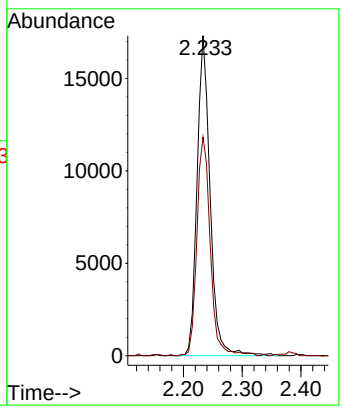


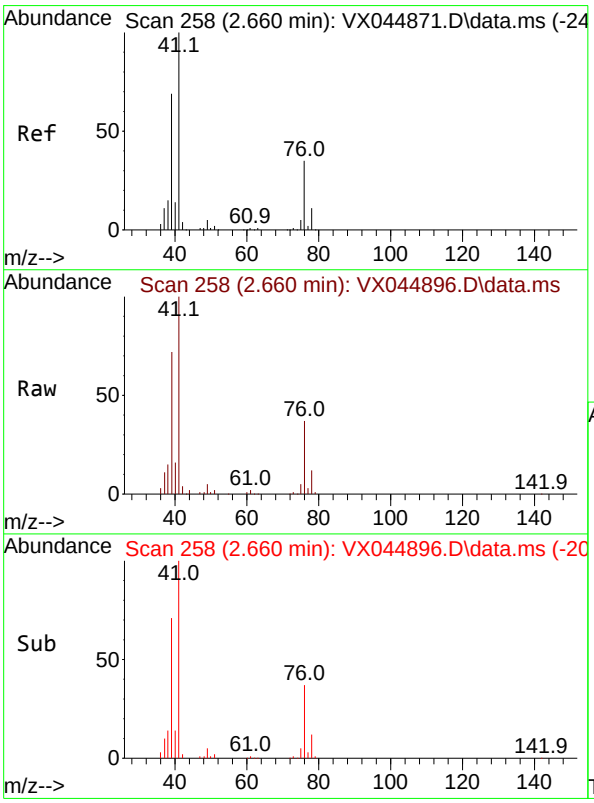
#13
Acrolein
Concen: 77.912 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 56 Resp: 26717

Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.7	83.5

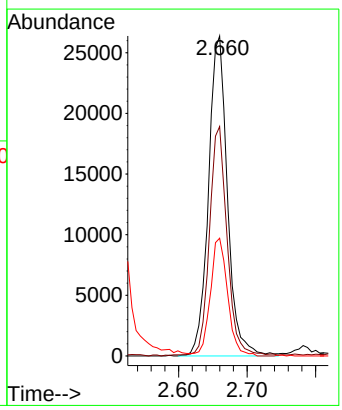


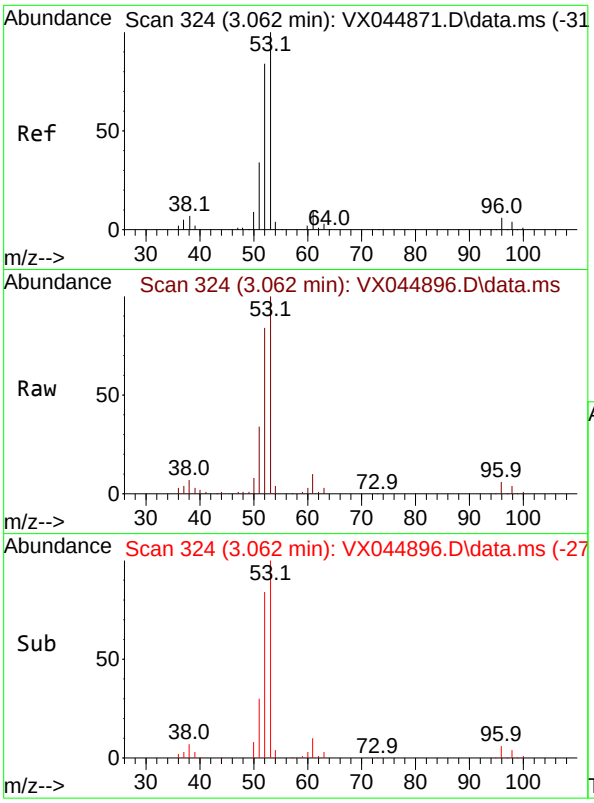


#14
Allyl chloride
Concen: 17.814 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 41 Resp: 50787

Ion	Ratio	Lower	Upper
41	100		
39	67.2	51.4	77.2
76	33.4	27.0	40.4



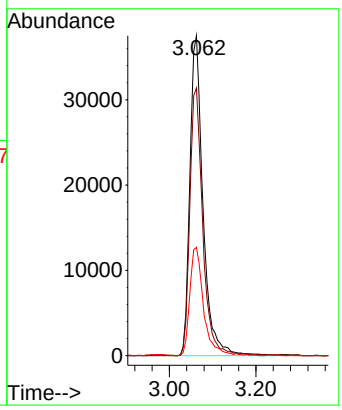


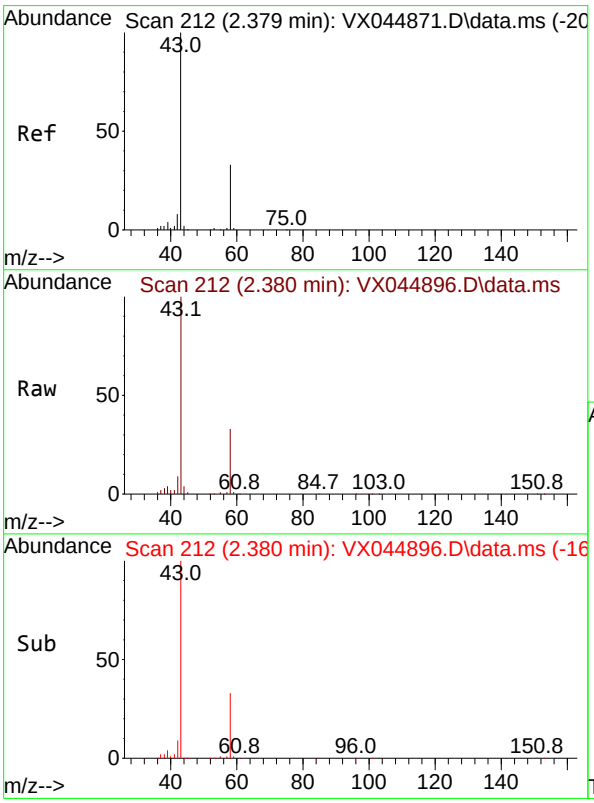
#15
Acrylonitrile
Concen: 89.177 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 53 Resp: 79135

Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.0	97.6
51	35.5	28.0	42.0

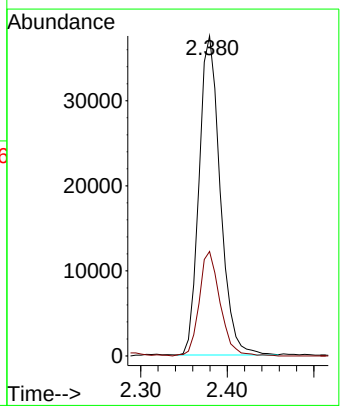


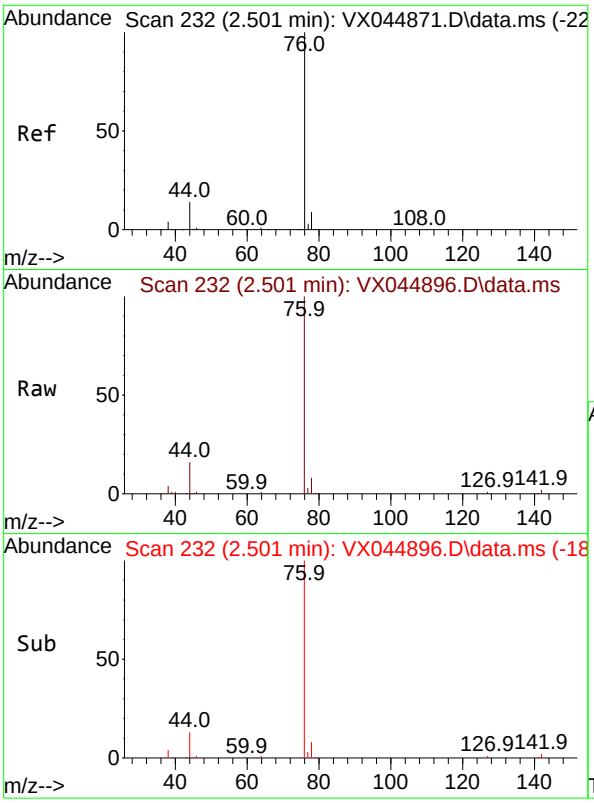


#16
Acetone
Concen: 88.221 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 63538

Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.5	39.7



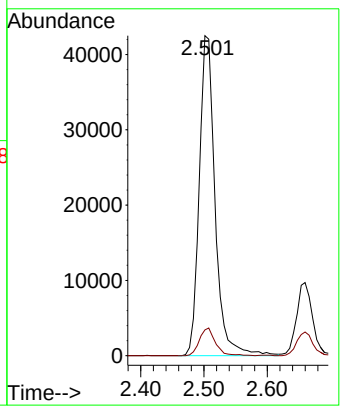


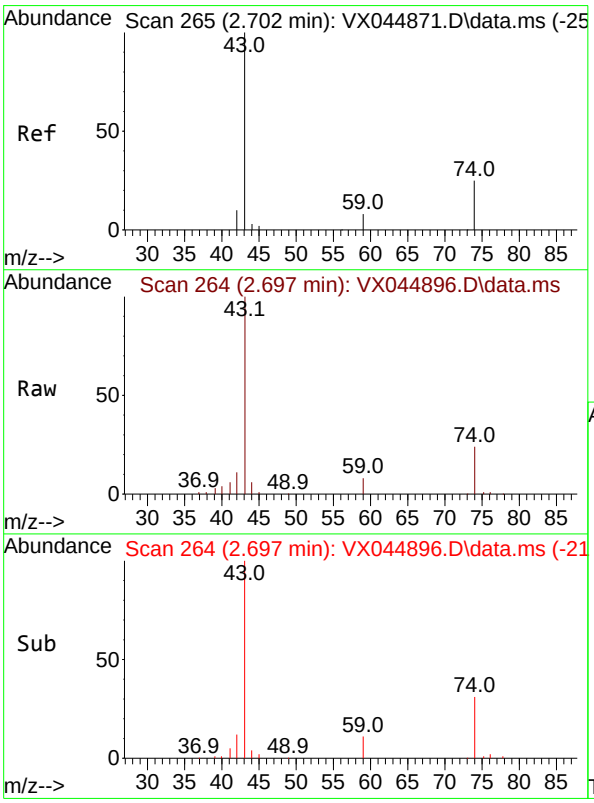
#17
Carbon Disulfide
Concen: 17.170 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 76 Resp: 74275

Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.0	10.4

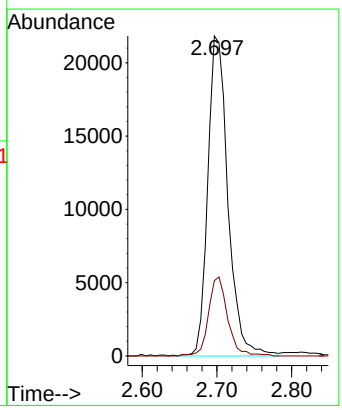


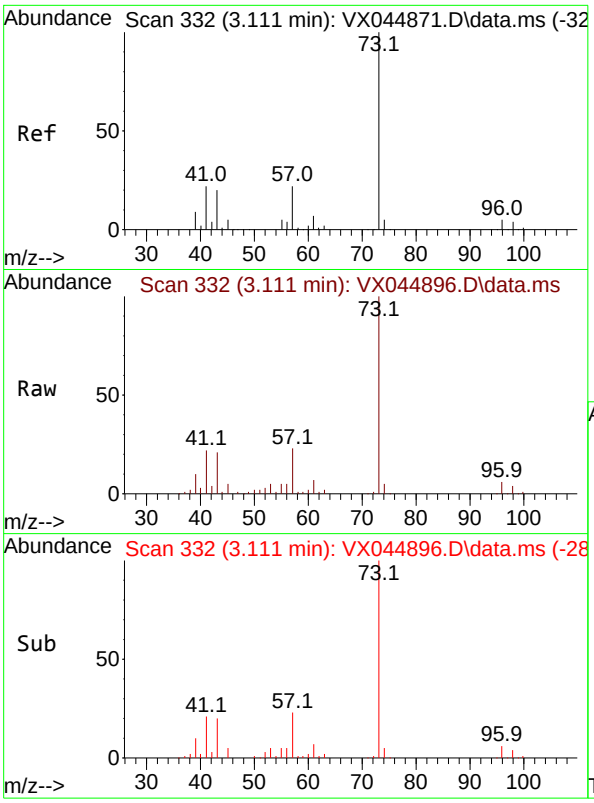


#18
Methyl Acetate
Concen: 18.021 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 40956

Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3



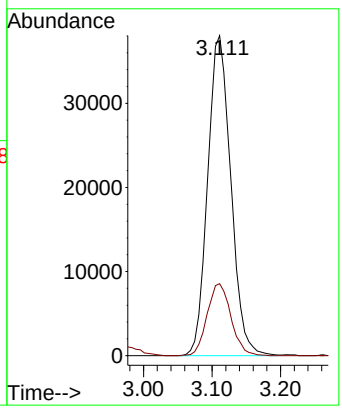


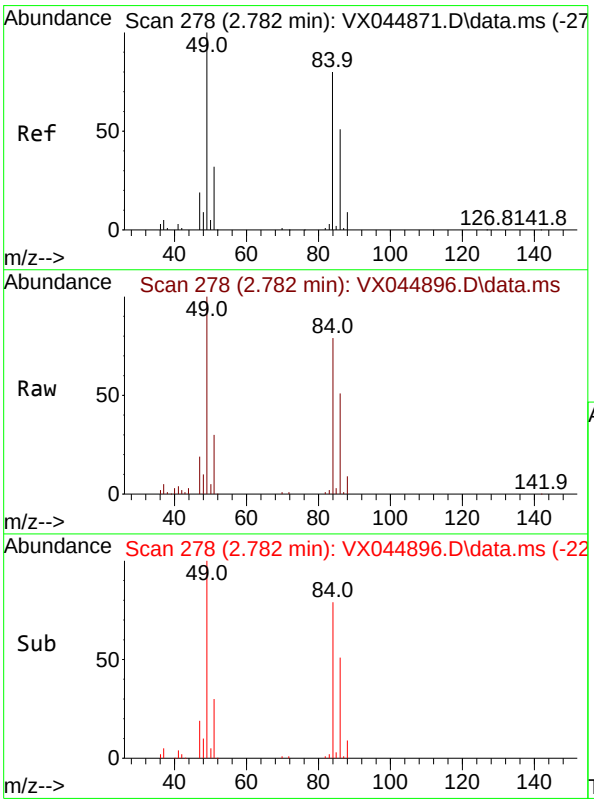
#19
Methyl tert-butyl Ether
Concen: 17.778 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 73 Resp: 89228

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.9	26.9

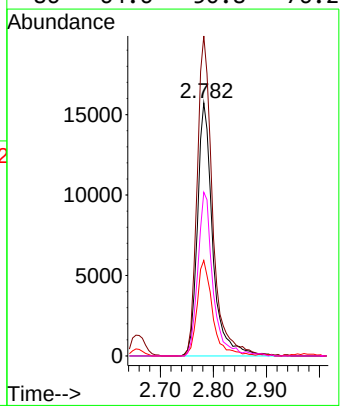


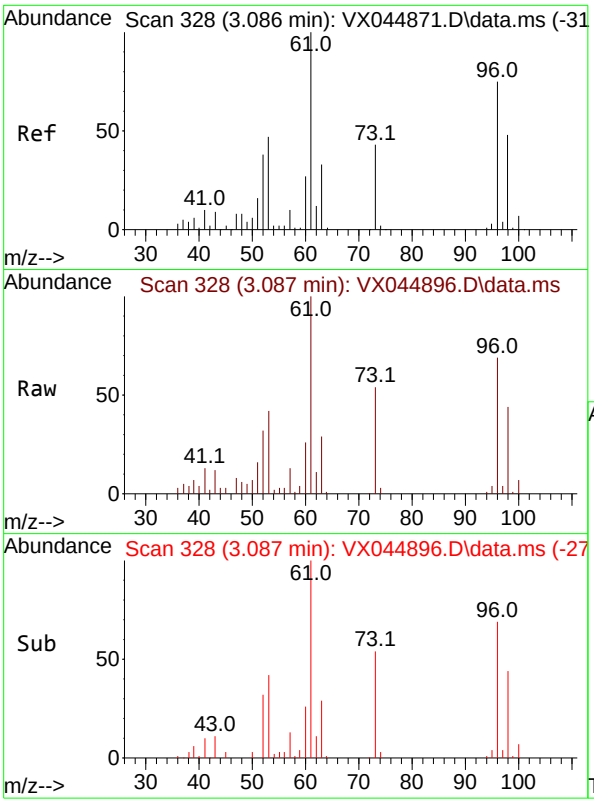


#20
Methylene Chloride
Concen: 17.847 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 84 Resp: 31484

Ion	Ratio	Lower	Upper
84	100		
49	126.4	100.1	150.1
51	37.7	31.7	47.5
86	64.6	50.8	76.2



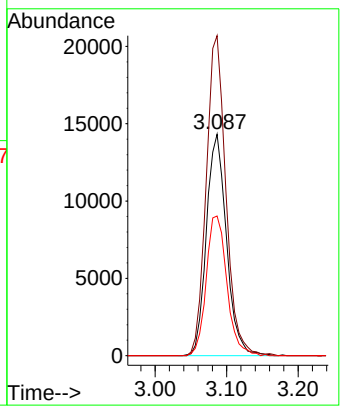


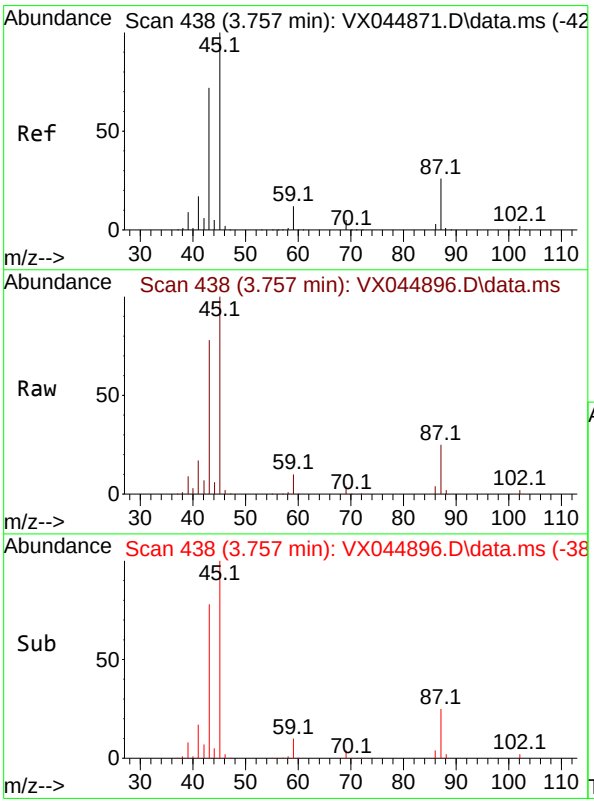
#21
trans-1,2-Dichloroethene
Concen: 17.988 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 96 Resp: 27928

Ion	Ratio	Lower	Upper
96	100		
61	144.5	106.0	159.0
98	63.1	50.6	76.0

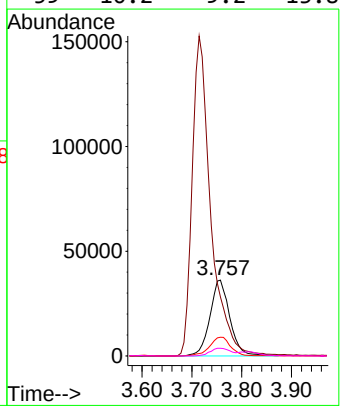


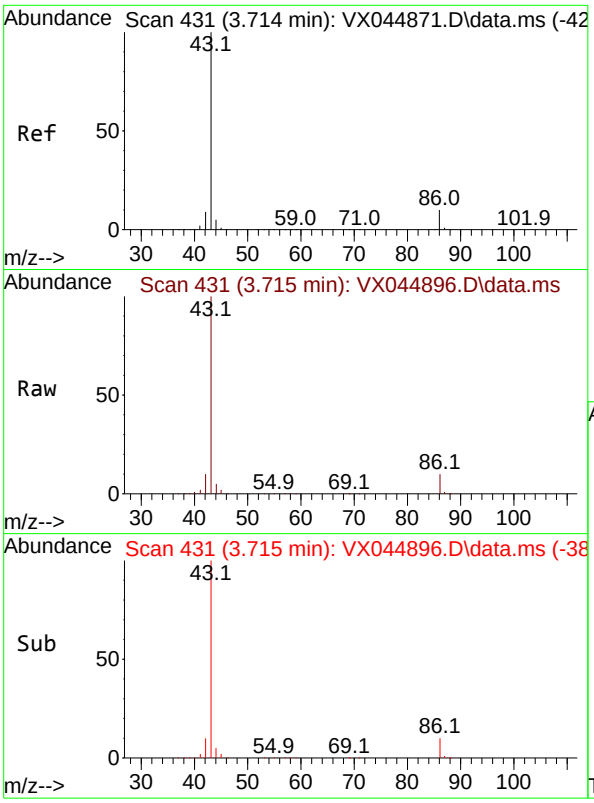


#22
Diisopropyl ether
Concen: 18.613 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 45 Resp: 100392

Ion	Ratio	Lower	Upper
45	100		
43	77.3	58.0	87.0
87	24.7	20.7	31.1
59	10.2	9.2	13.8



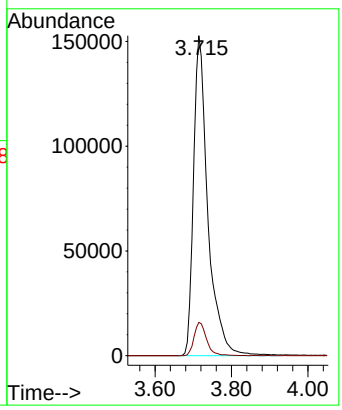


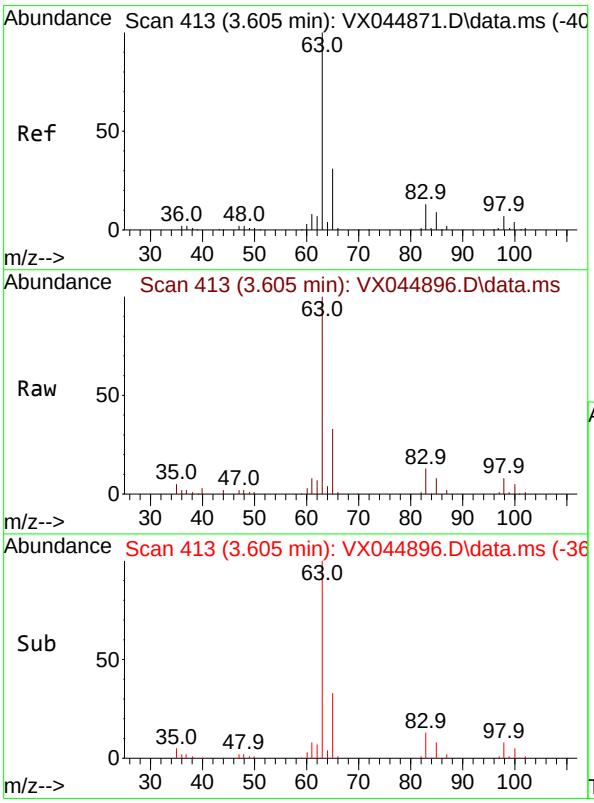
#23
Vinyl Acetate
Concen: 90.433 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 43 Resp: 397646

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.3	12.5

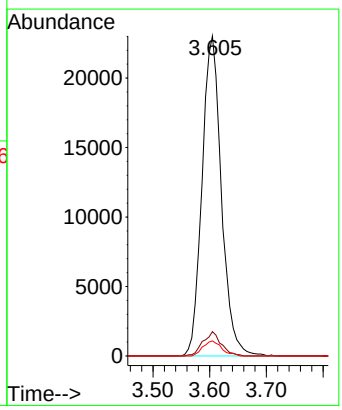


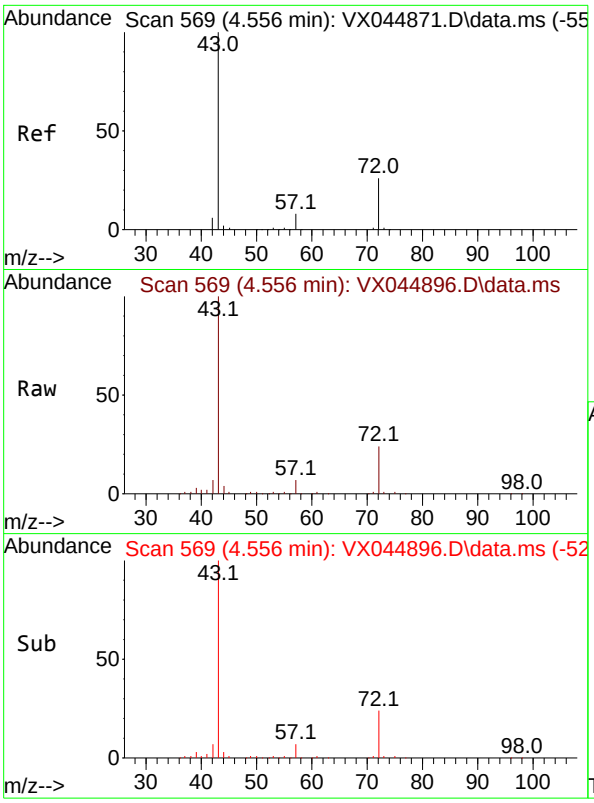


#24
1,1-Dichloroethane
Concen: 18.099 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 63 Resp: 54622

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.3	9.9
100	4.7	2.1	6.5



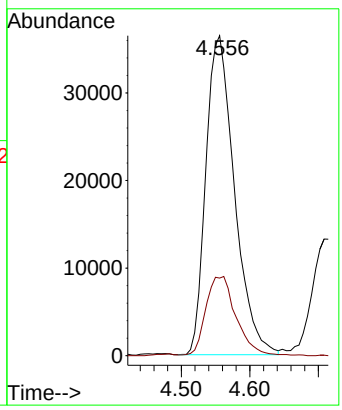


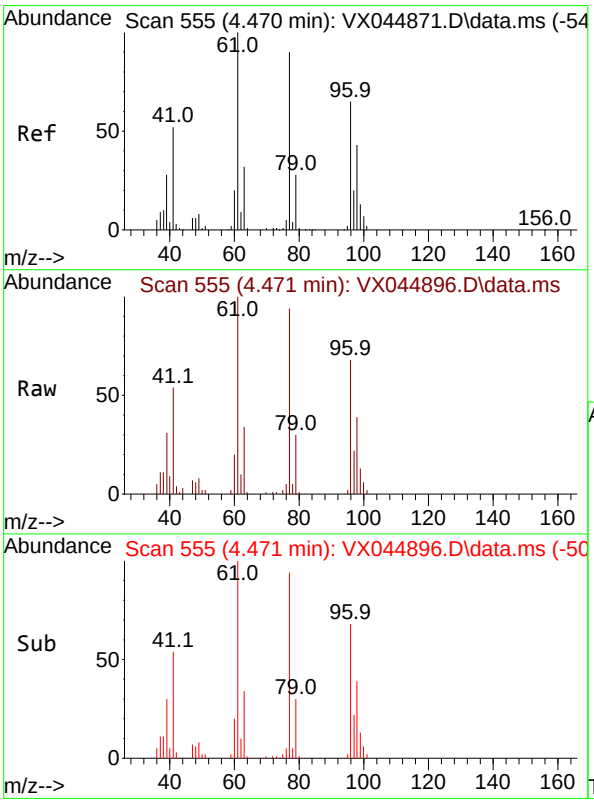
#25
2-Butanone
Concen: 90.302 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 43 Resp: 105608

Ion	Ratio	Lower	Upper
43	100		
72	24.0	21.2	31.8

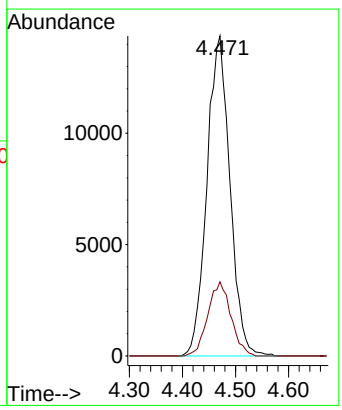


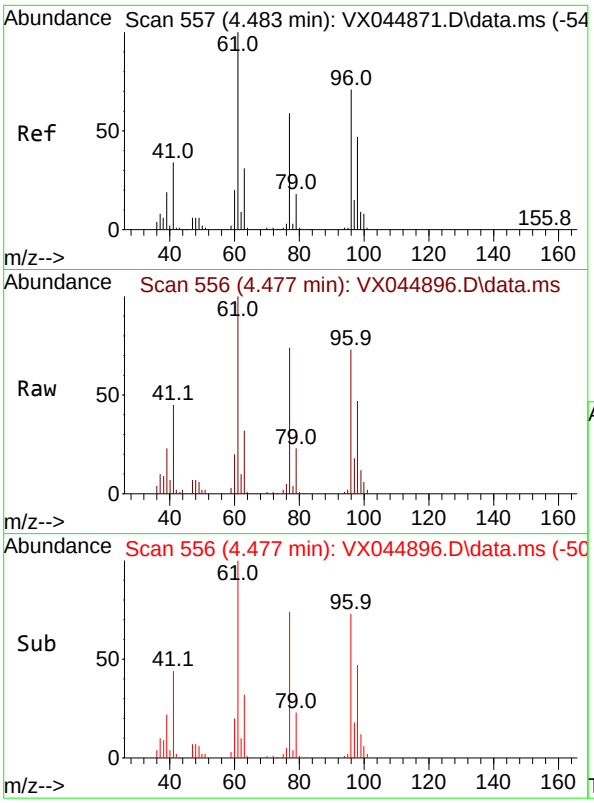


#26
2,2-Dichloropropane
Concen: 18.080 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 77 Resp: 43271

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.8	35.3



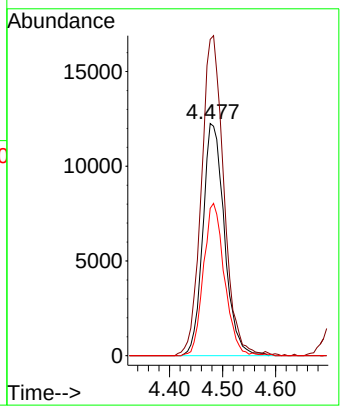


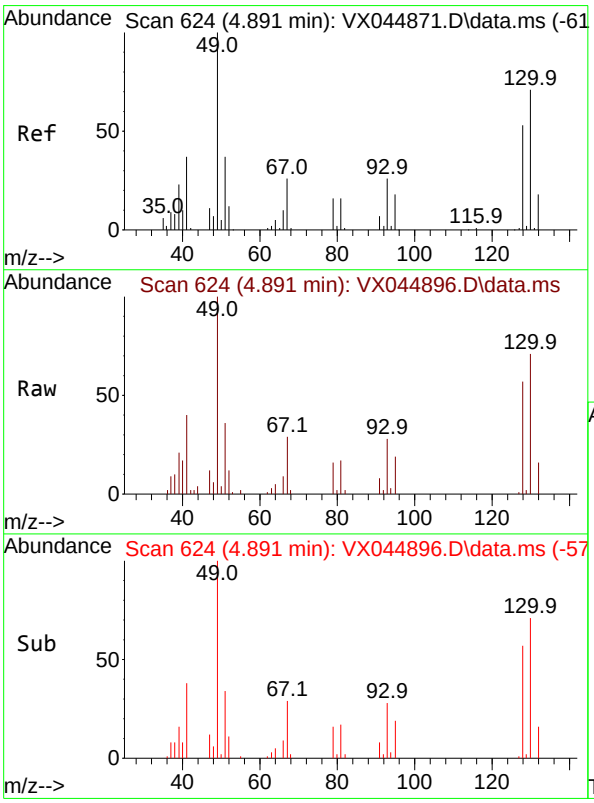
#27
cis-1,2-Dichloroethene
Concen: 18.557 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 96 Resp: 34607

Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	294.0
98	63.9	0.0	131.2

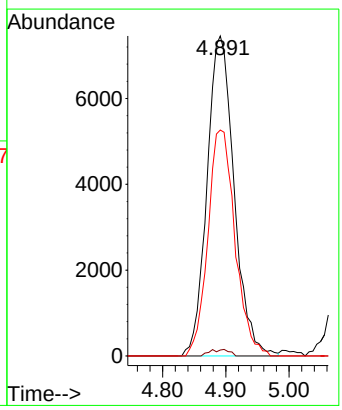


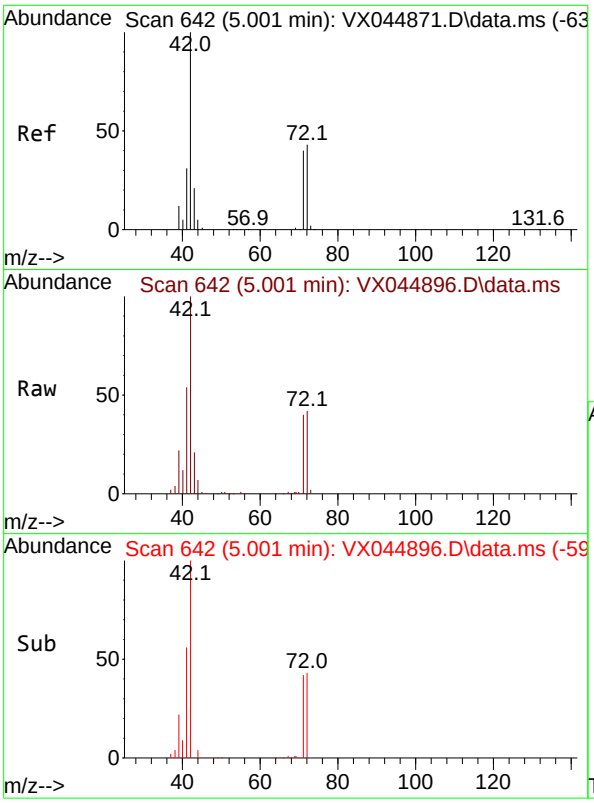


#28
Bromochloromethane
Concen: 15.285 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 49 Resp: 22169

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	70.7	56.7	85.1



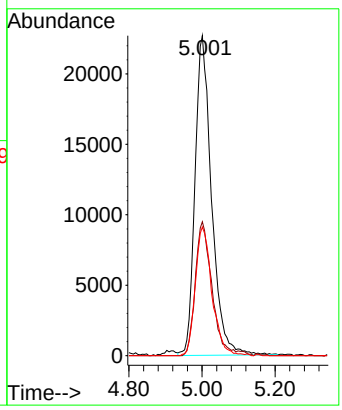


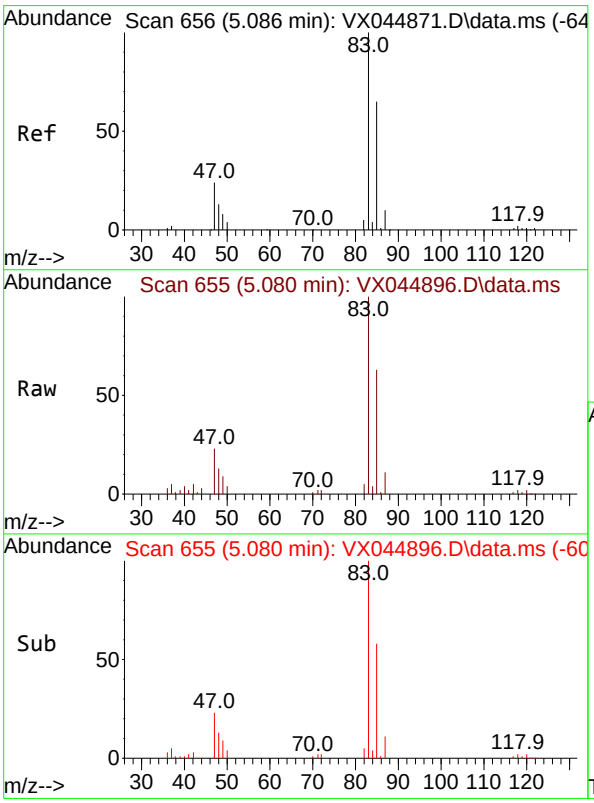
#29
Tetrahydrofuran
Concen: 92.261 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 42 Resp: 71647

Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.0	52.4
71	40.6	32.6	48.8

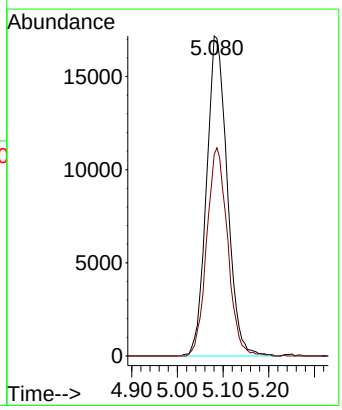


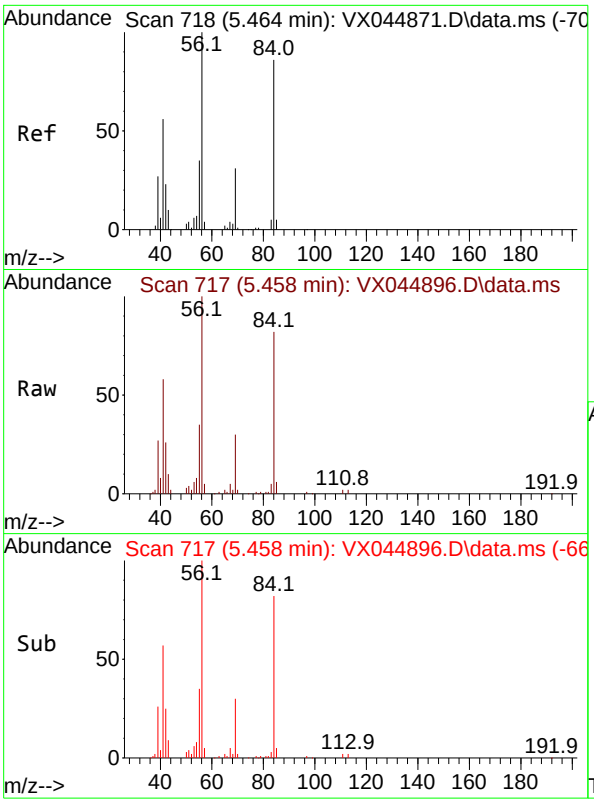


#30
Chloroform
Concen: 18.470 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 83 Resp: 54058

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.1	78.1



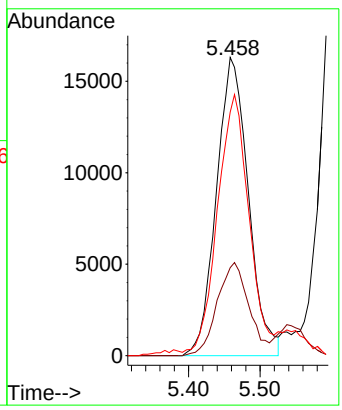


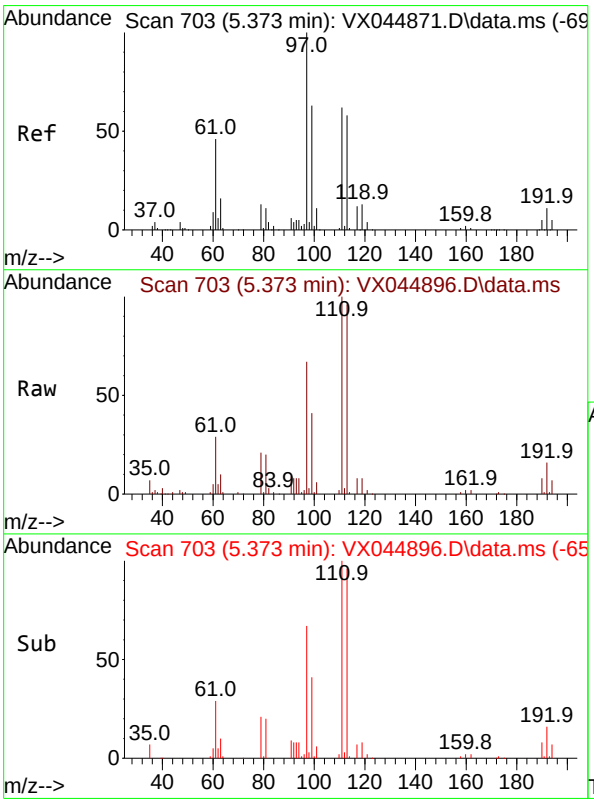
#31
Cyclohexane
Concen: 18.194 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 56 Resp: 50621

Ion	Ratio	Lower	Upper
56	100		
69	29.1	24.4	36.6
84	80.1	69.0	103.6

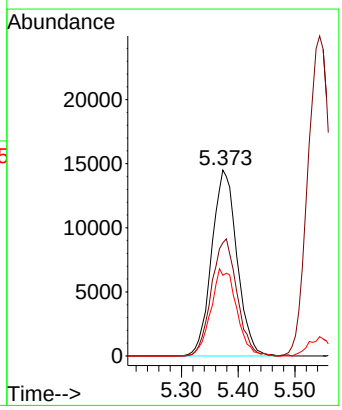


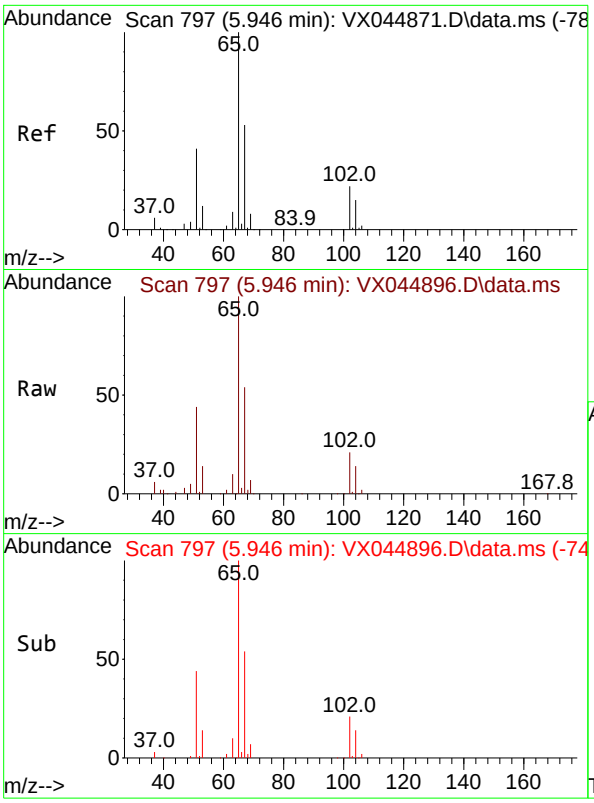


#32
1,1,1-Trichloroethane
Concen: 18.109 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 97 Resp: 44956

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	47.3	36.6	55.0



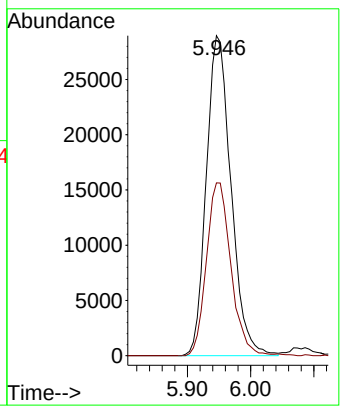


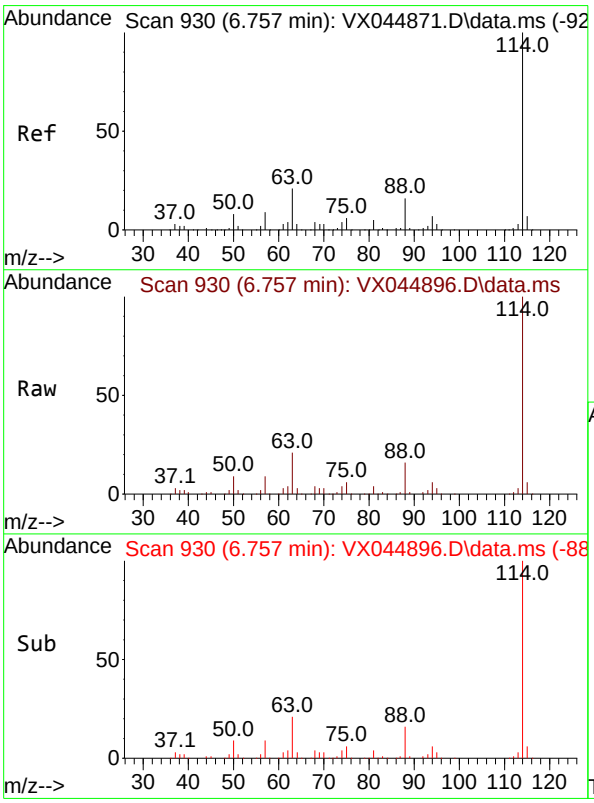
#33
1,2-Dichloroethane-d4
Concen: 43.760 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 65 Resp: 78398

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.2

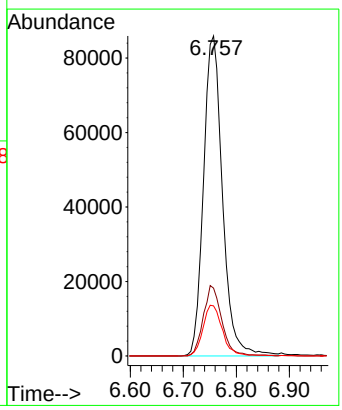


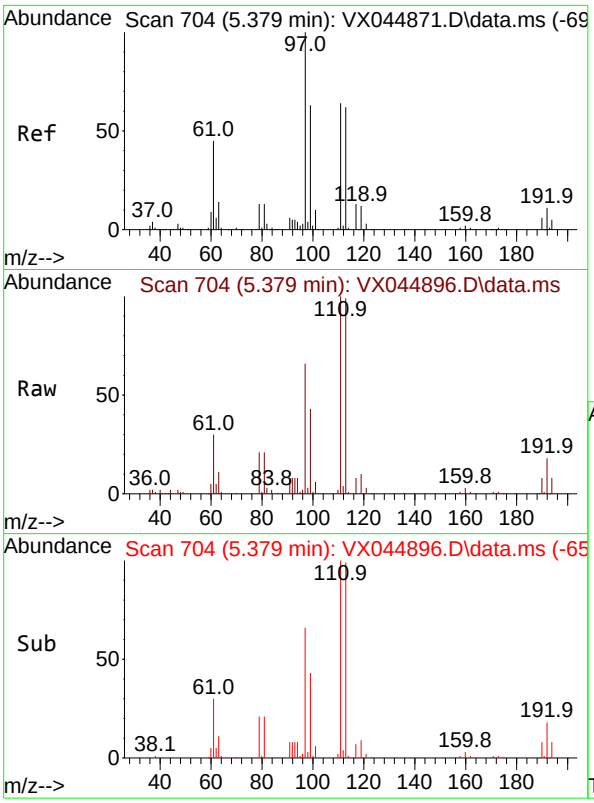


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:114 Resp: 213544

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	15.7	0.0	31.4



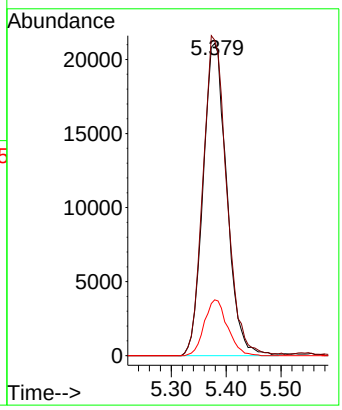


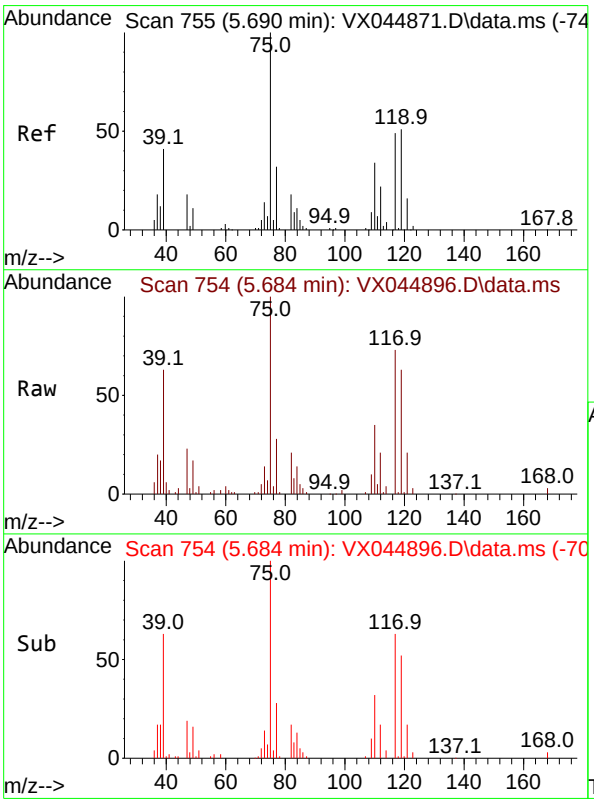
#35
Dibromofluoromethane
Concen: 45.489 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:113 Resp: 63156

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.5	125.3
192	17.5	14.4	21.6

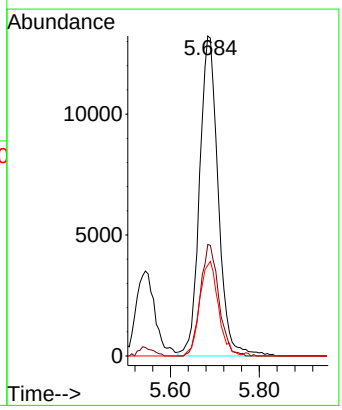


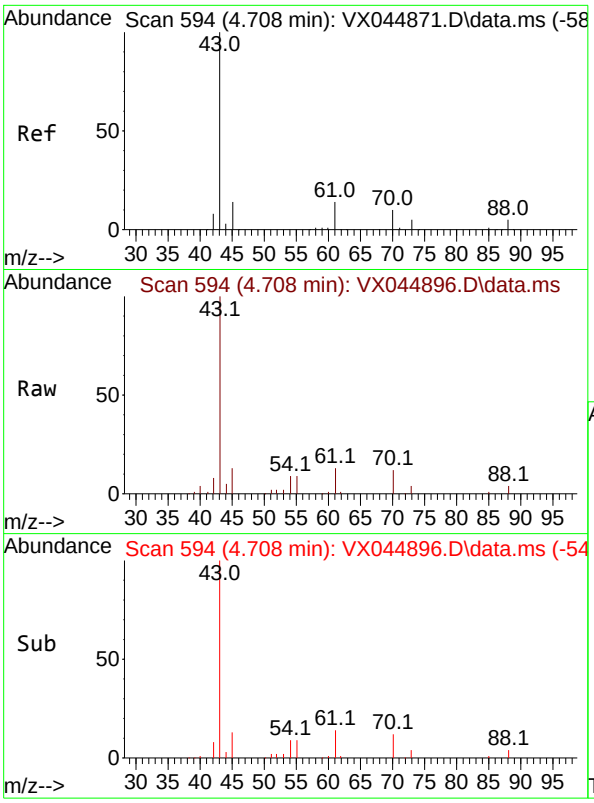


#36
1,1-Dichloropropene
Concen: 19.249 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 75 Resp: 38557

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.2	51.6
77	29.6	24.6	37.0



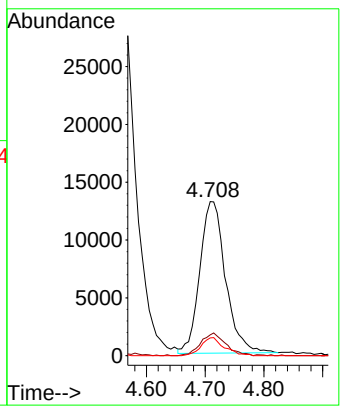


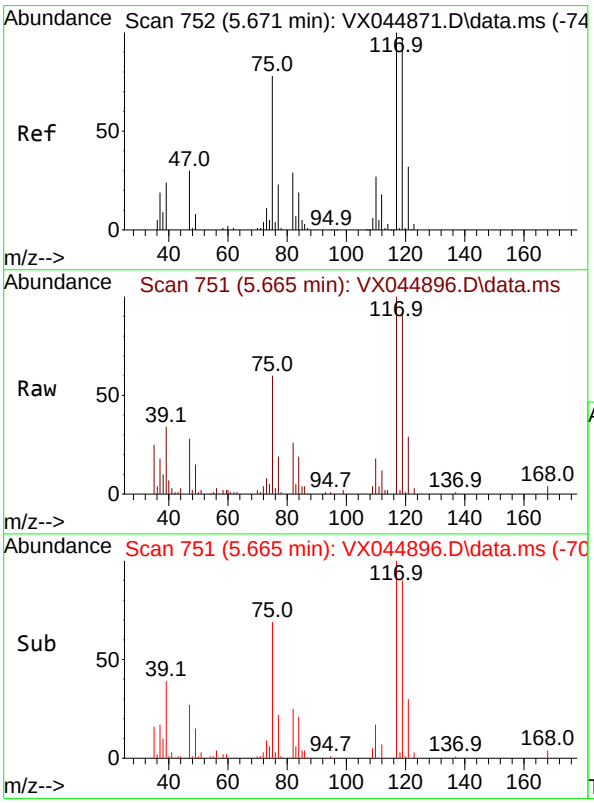
#37
Ethyl Acetate
Concen: 17.903 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 43 Resp: 39887

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.4
70	10.7	8.2	12.2

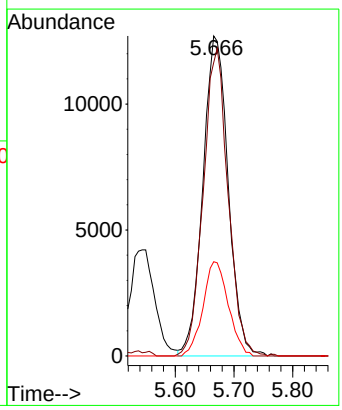


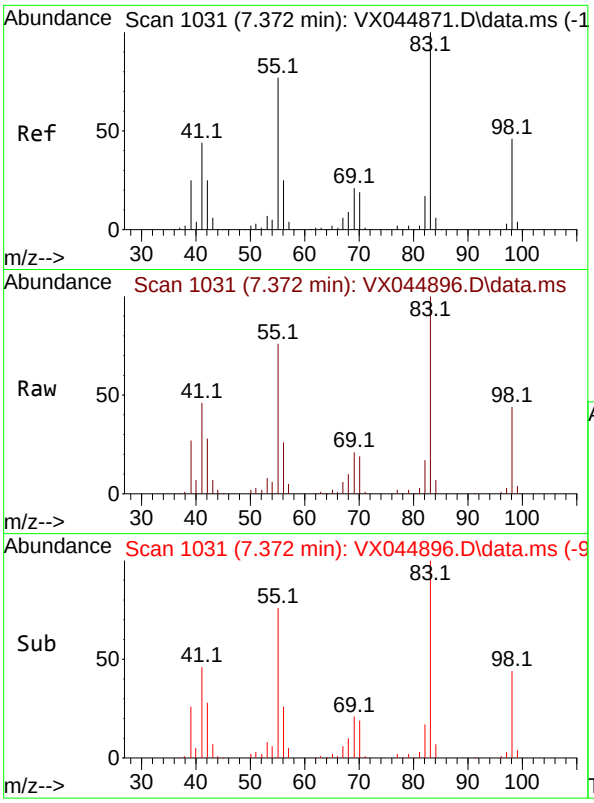


#38
Carbon Tetrachloride
Concen: 19.346 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:117 Resp: 37975

Ion	Ratio	Lower	Upper
117	100		
119	91.7	77.5	116.3
121	29.5	25.6	38.4



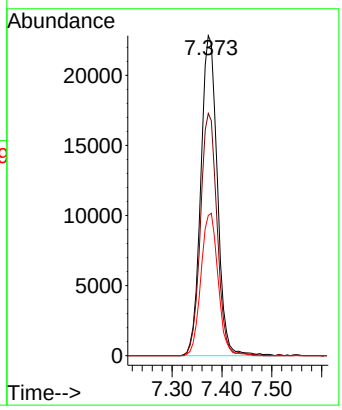


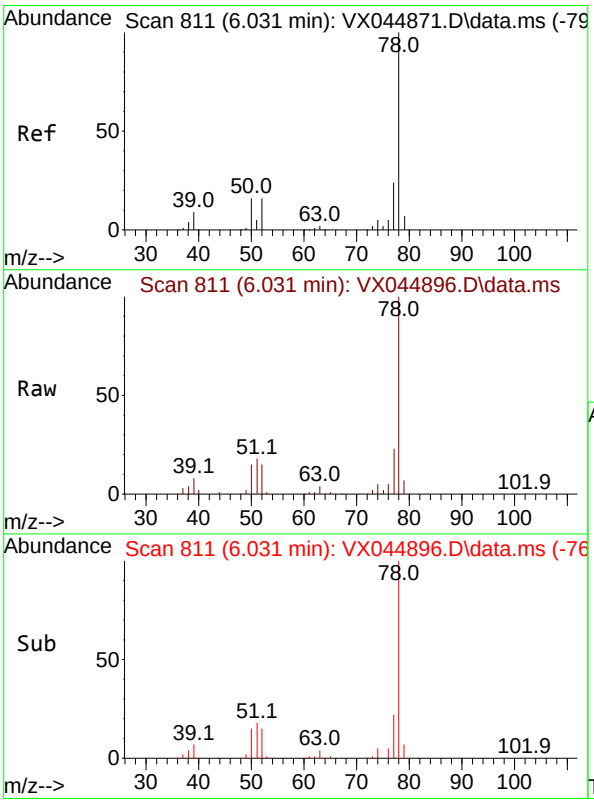
#39
Methylcyclohexane
Concen: 20.307 ug/l
RT: 7.372 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 83 Resp: 52588

Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.3	91.9
98	43.8	37.0	55.6

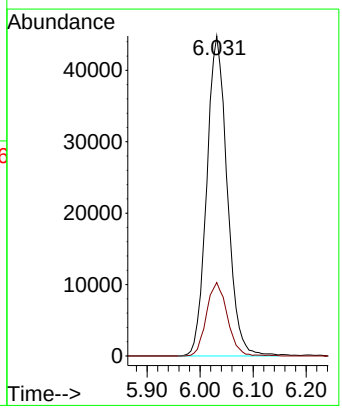


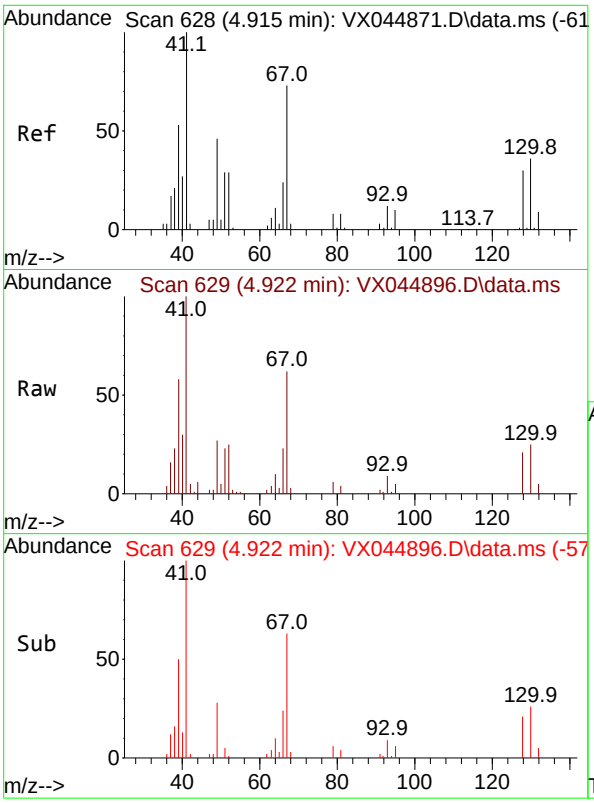


#40
Benzene
Concen: 19.233 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 78 Resp: 120297

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6



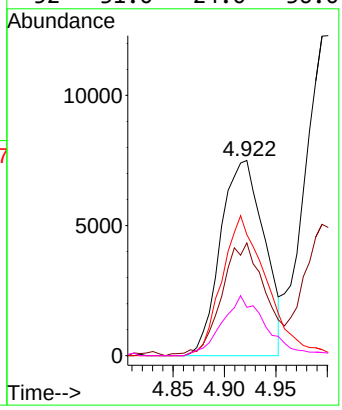


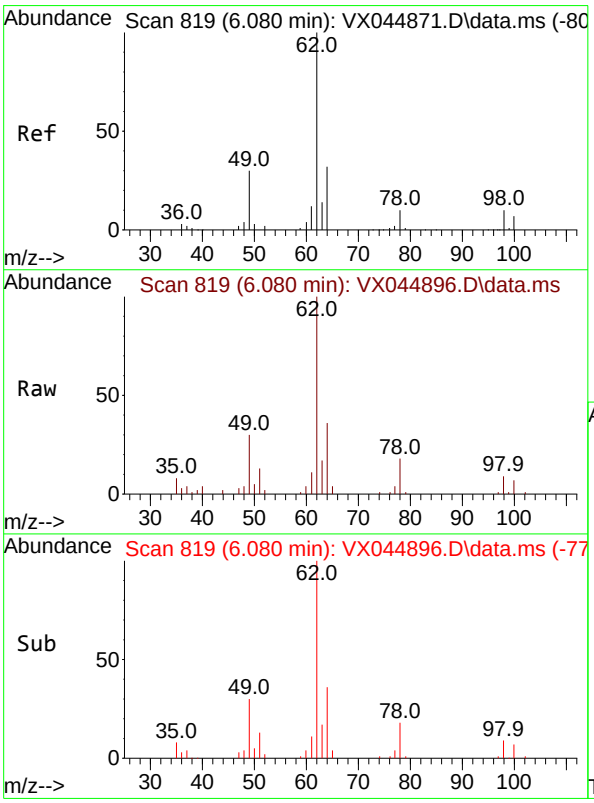
#41
Methacrylonitrile
Concen: 18.621 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 41 Resp: 22207

Ion	Ratio	Lower	Upper
41	100		
39	57.8	43.1	64.7
67	73.5	57.0	85.6
52	31.0	24.0	36.0

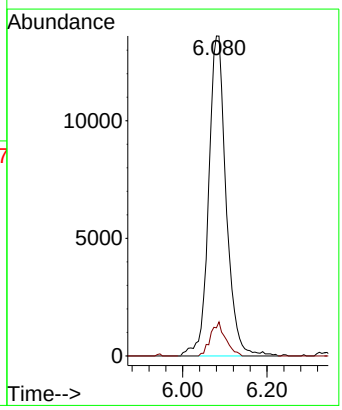


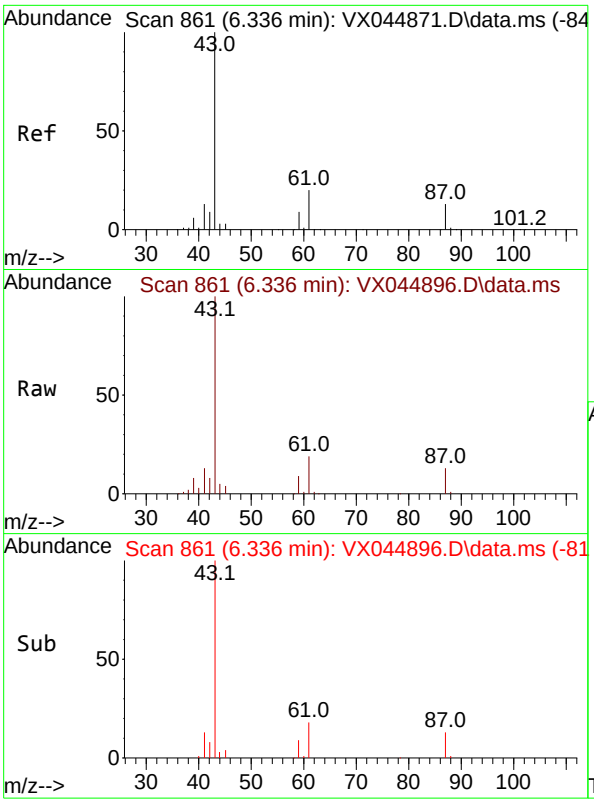


#42
1,2-Dichloroethane
Concen: 19.662 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 62 Resp: 39196

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.4



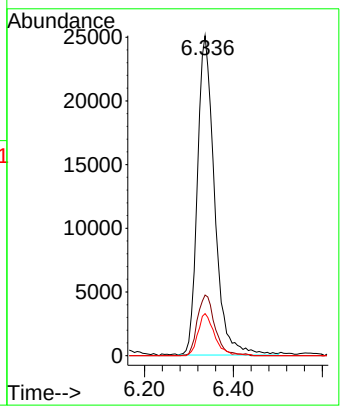


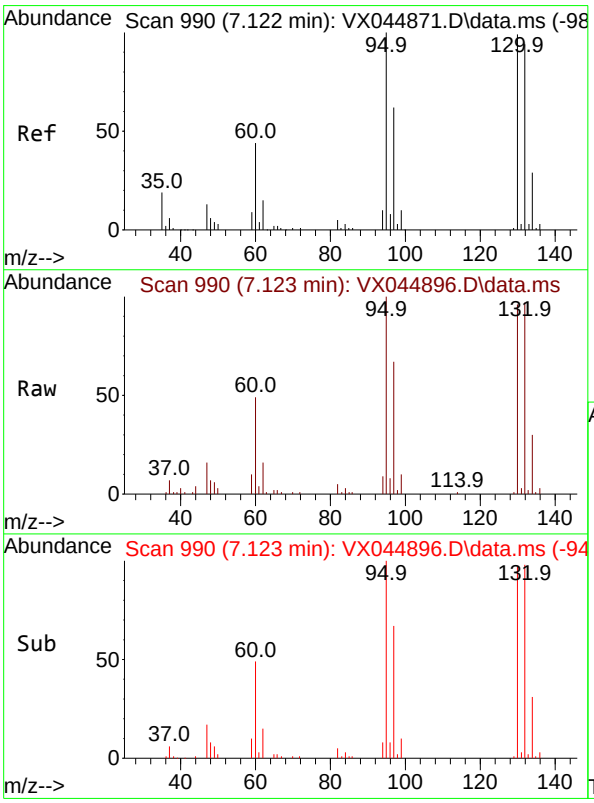
#43
Isopropyl Acetate
Concen: 18.670 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 43 Resp: 67173

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.8
87	12.9	10.0	15.0

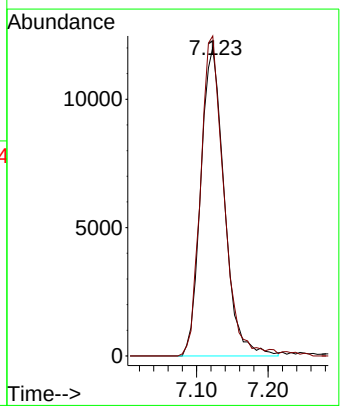


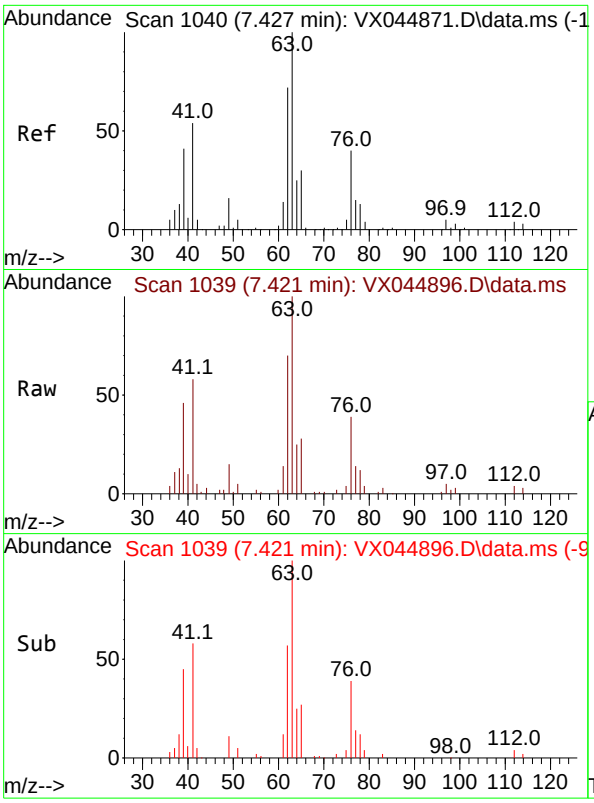


#44
Trichloroethene
Concen: 19.193 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:130 Resp: 27440

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	202.4



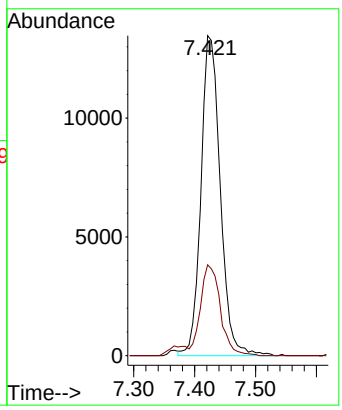


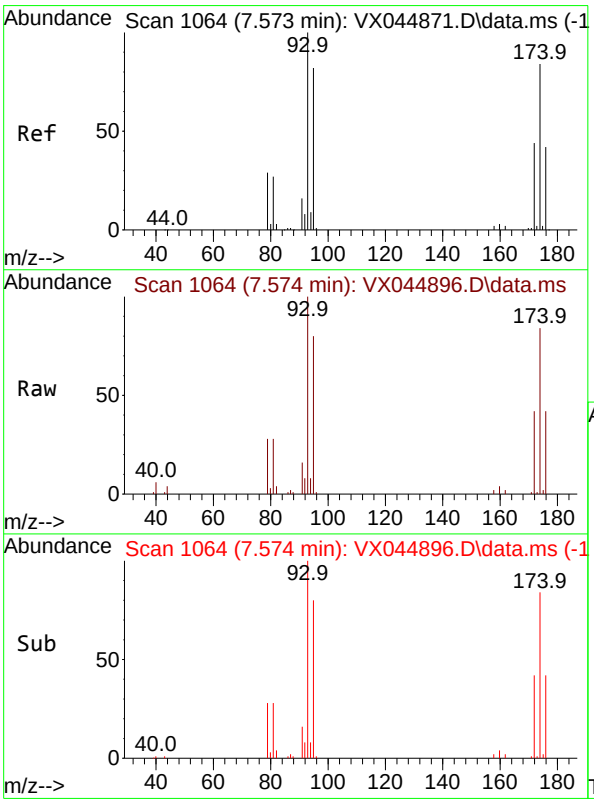
#45
1,2-Dichloropropane
Concen: 19.091 ug/l
RT: 7.421 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 63 Resp: 29707

Ion	Ratio	Lower	Upper
63	100		
65	28.4	24.2	36.4

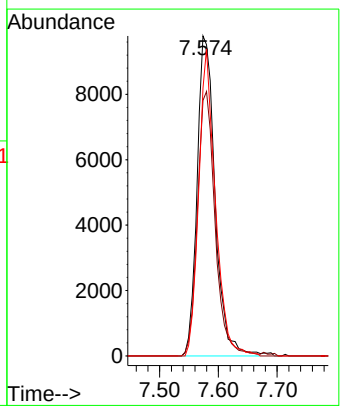


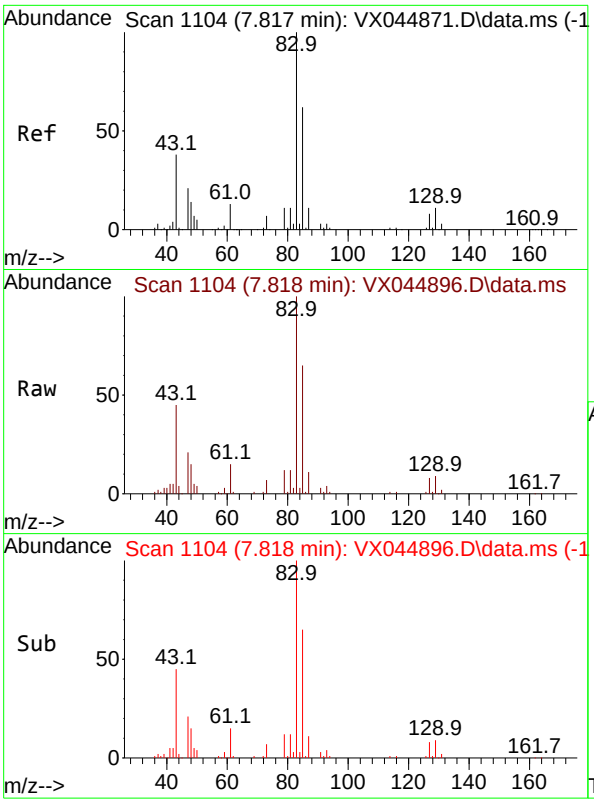


#46
Dibromomethane
Concen: 19.240 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 93 Resp: 20763

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.2	99.4
174	88.8	69.9	104.9



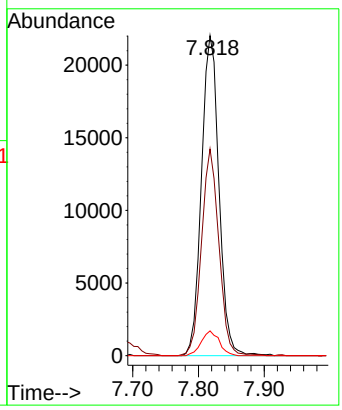


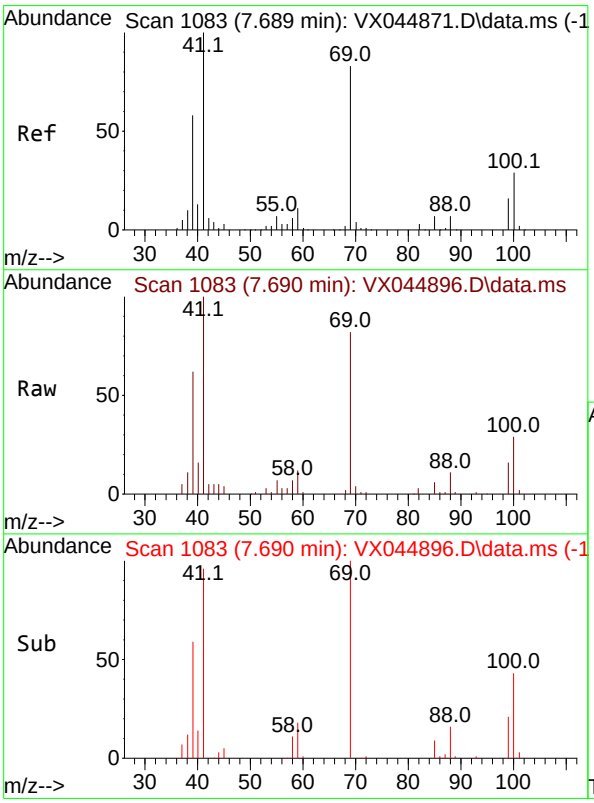
#47
Bromodichloromethane
Concen: 19.539 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 83 Resp: 40827

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.0	75.0
127	7.7	6.4	9.6

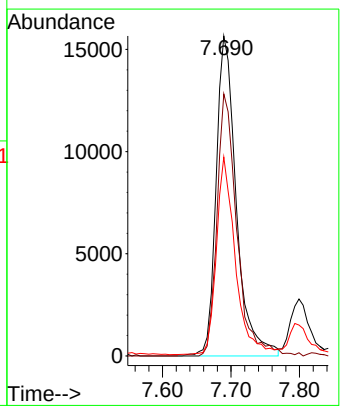


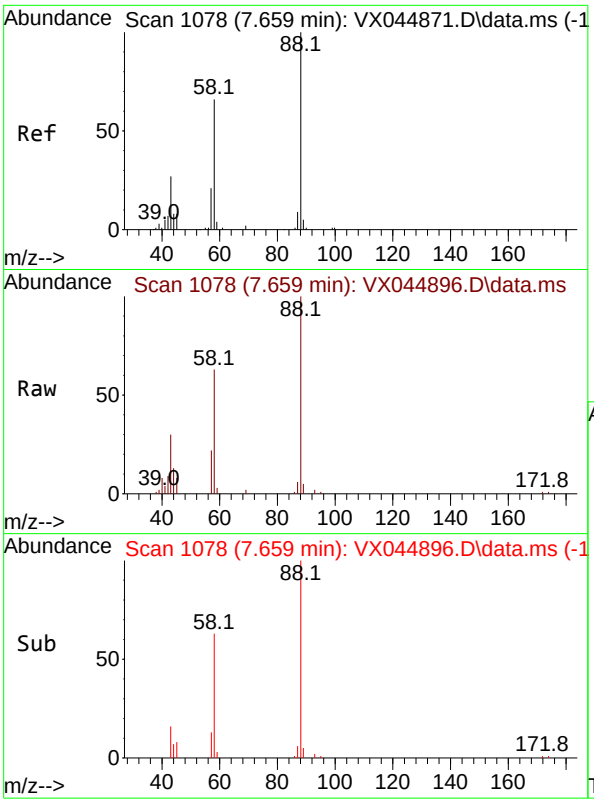


#48
Methyl methacrylate
Concen: 18.854 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 41 Resp: 31984

Ion	Ratio	Lower	Upper
41	100		
69	80.7	65.8	98.8
39	57.5	46.4	69.6



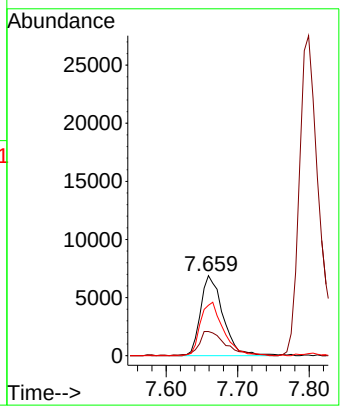


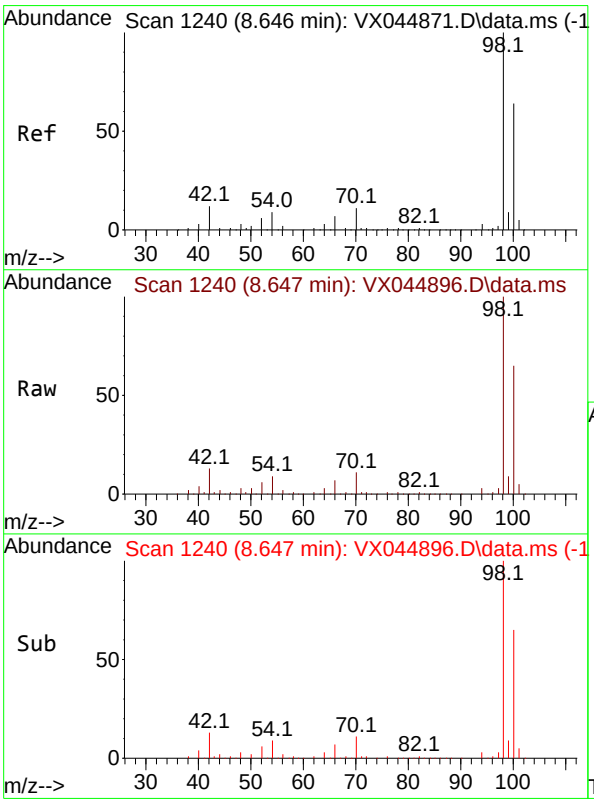
#49
1,4-Dioxane
Concen: 413.003 ug/l
RT: 7.659 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 88 Resp: 15032

Ion	Ratio	Lower	Upper
88	100		
43	36.3	26.6	39.8
58	68.2	55.9	83.9

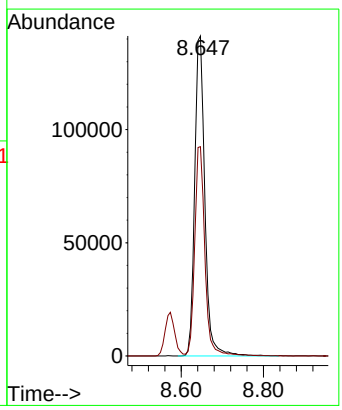


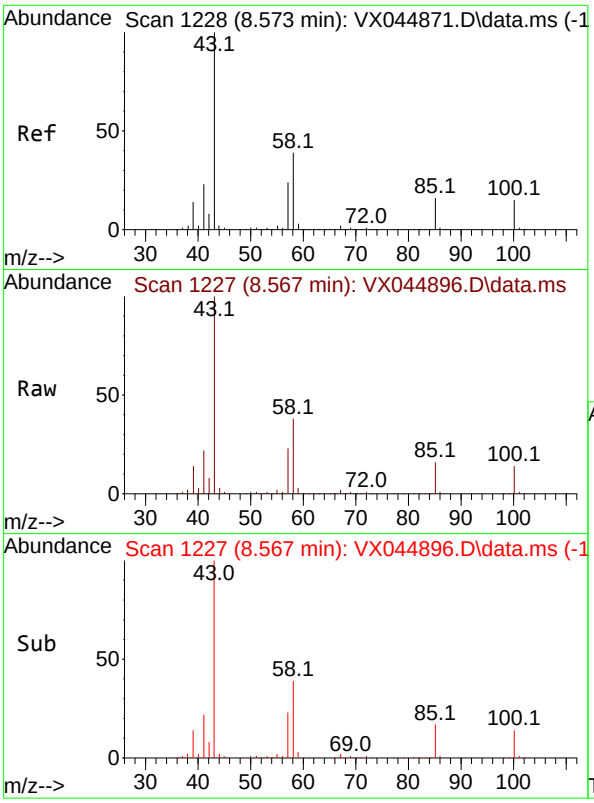


#50
Toluene-d8
Concen: 46.183 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 98 Resp: 242464

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



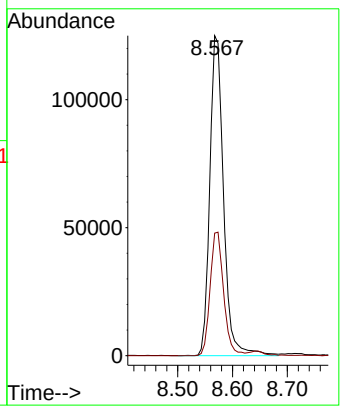


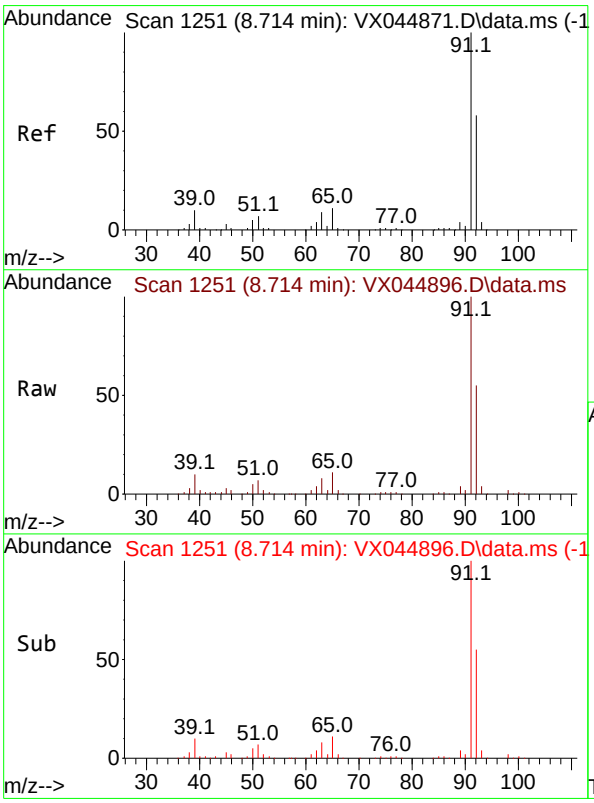
#51
4-Methyl-2-Pentanone
Concen: 99.343 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 43 Resp: 217292

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.8	46.2

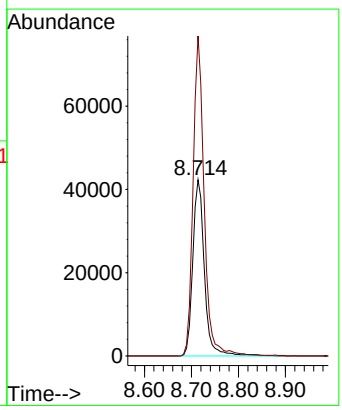


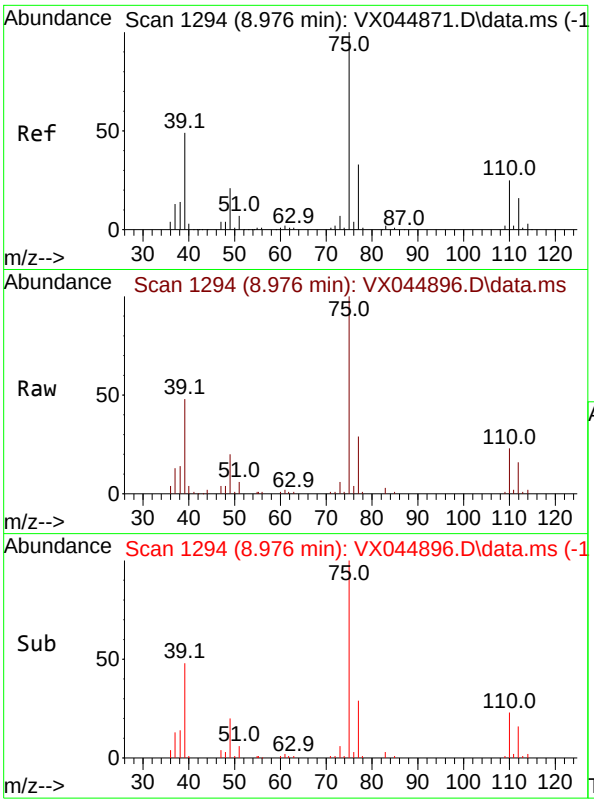


#52
Toluene
Concen: 19.549 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 92 Resp: 72821

Ion	Ratio	Lower	Upper
92	100		
91	174.1	137.4	206.2



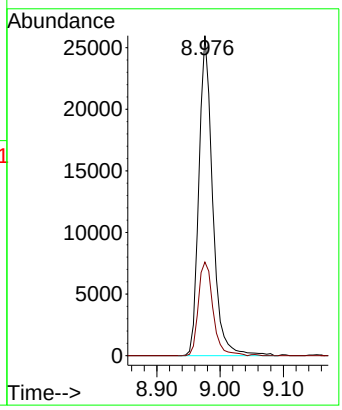


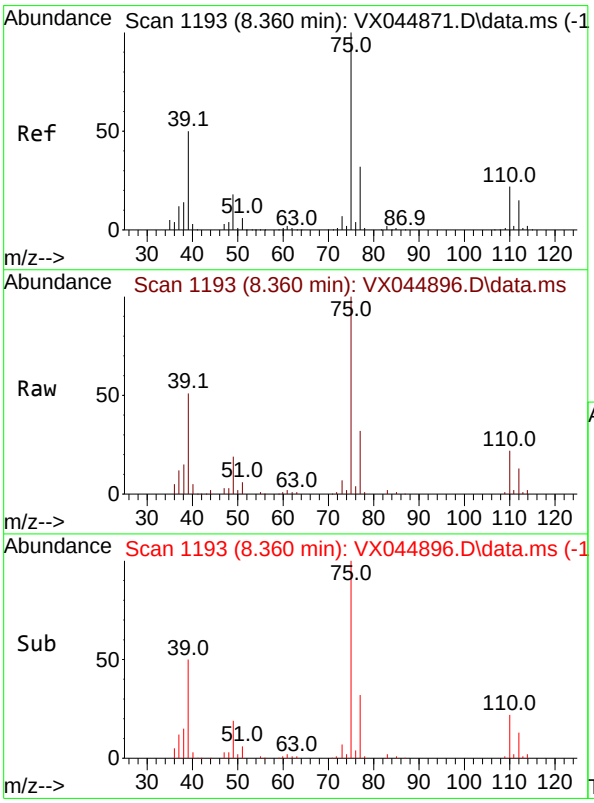
#53
t-1,3-Dichloropropene
Concen: 18.577 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 75 Resp: 39281

Ion	Ratio	Lower	Upper
75	100		
77	29.3	26.0	39.0

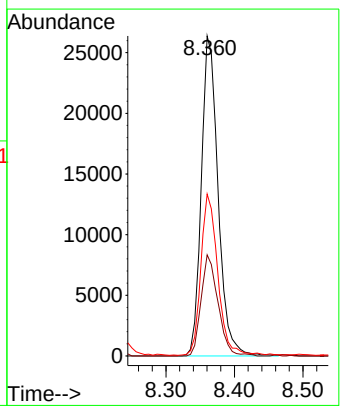


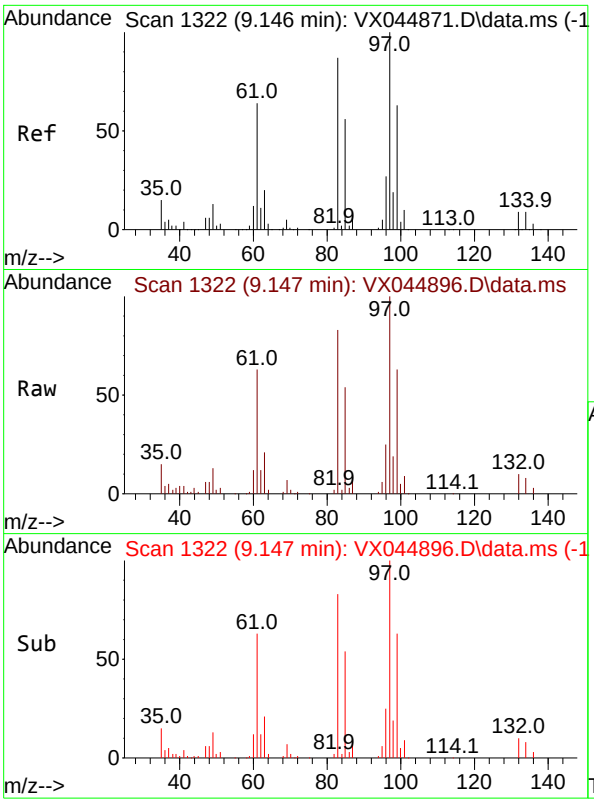


#54
cis-1,3-Dichloropropene
Concen: 19.077 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 75 Resp: 44977

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	50.4	40.0	60.0



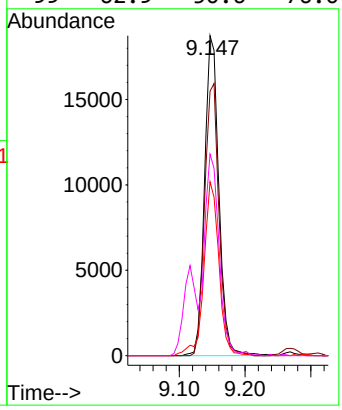


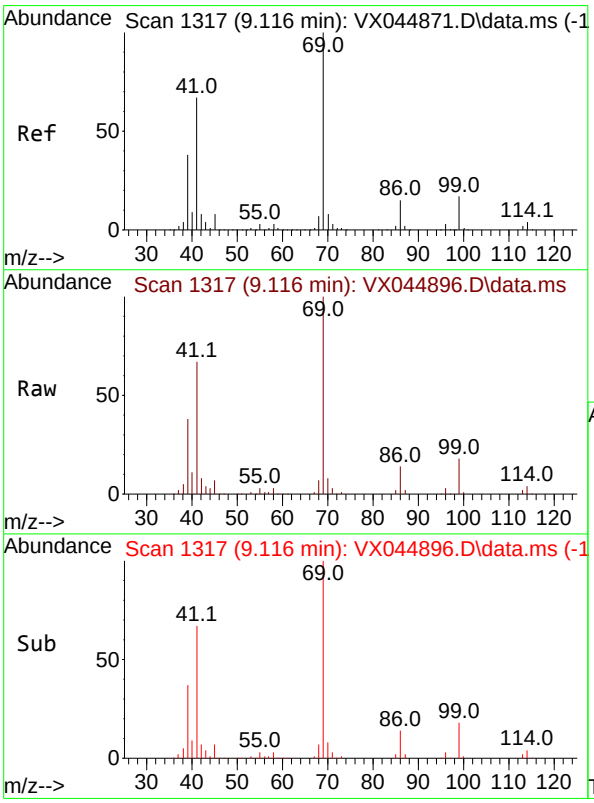
#55
1,1,2-Trichloroethane
Concen: 19.816 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 97 Resp: 28376

Ion	Ratio	Lower	Upper
97	100		
83	82.7	69.8	104.6
85	54.4	44.8	67.2
99	62.9	50.6	76.0

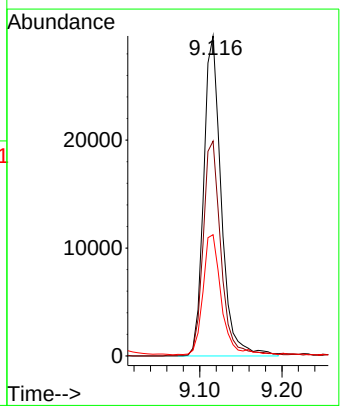


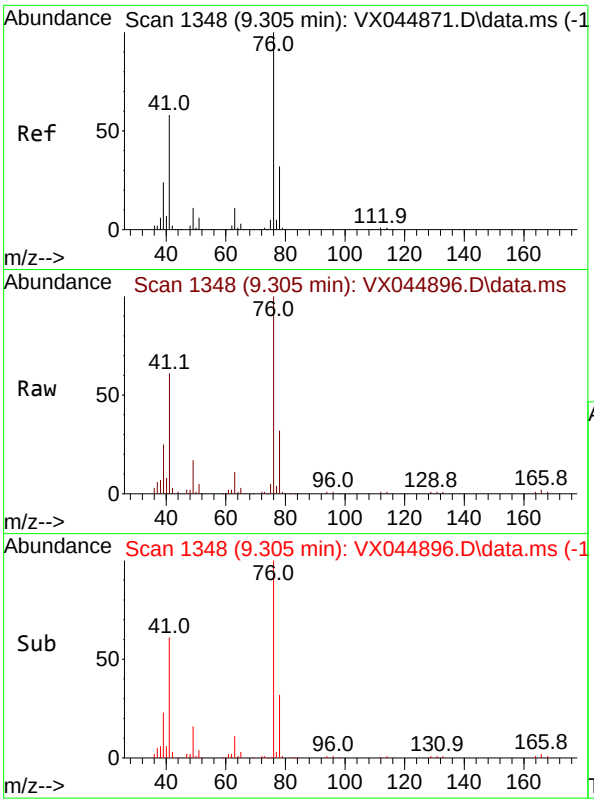


#56
Ethyl methacrylate
Concen: 19.041 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 69 Resp: 44038

Ion	Ratio	Lower	Upper
69	100		
41	68.6	55.2	82.8
39	39.3	30.8	46.2



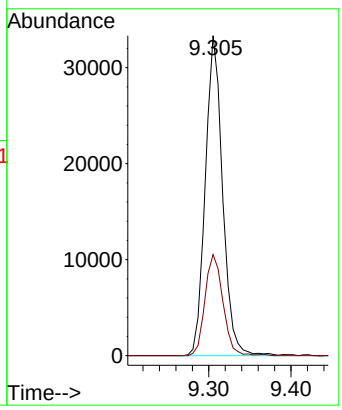


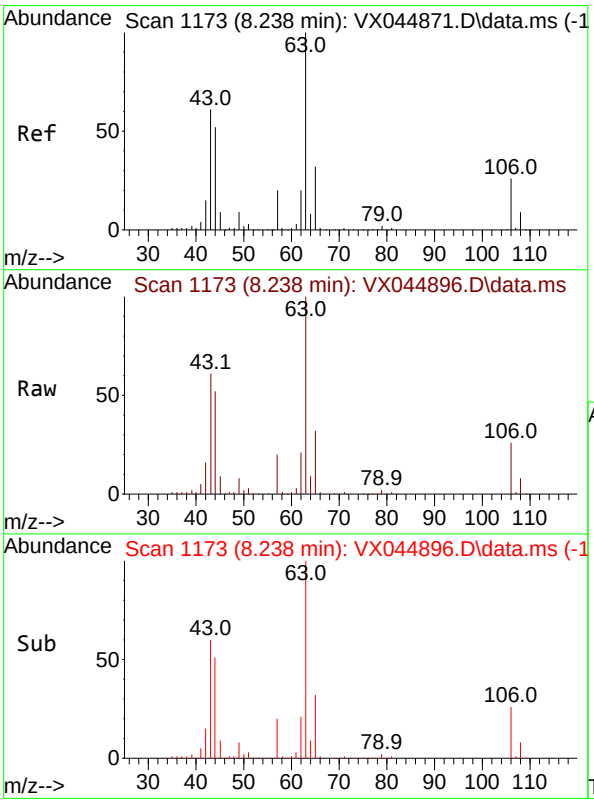
#57
1,3-Dichloropropane
Concen: 19.446 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 76 Resp: 48722

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

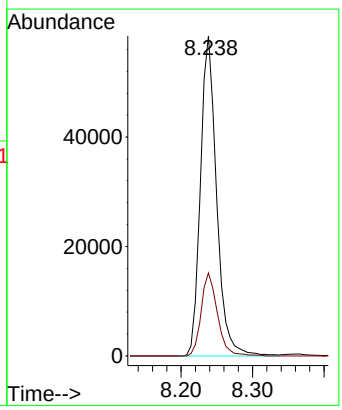


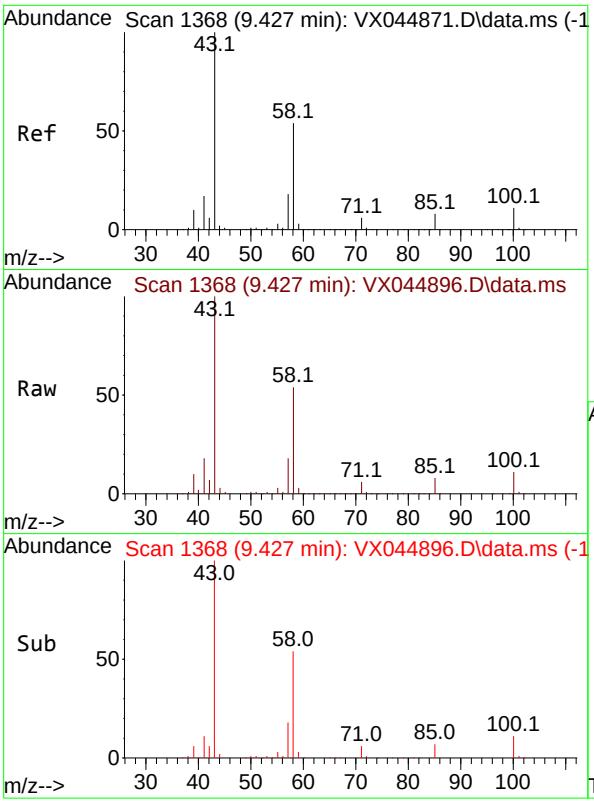


#58
2-Chloroethyl Vinyl ether
Concen: 80.829 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 63 Resp: 91789

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.3	31.9



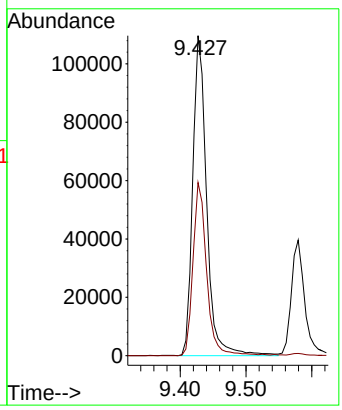


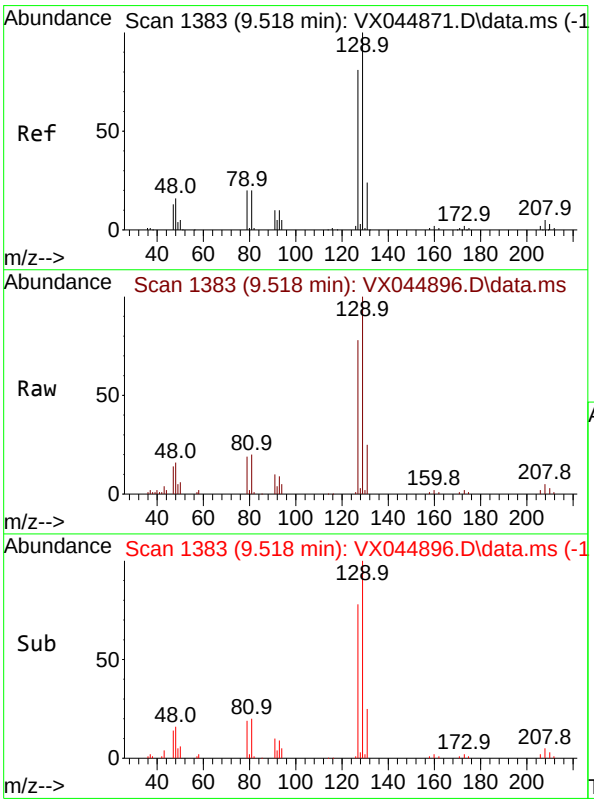
#59
2-Hexanone
Concen: 101.894 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 43 Resp: 160581

Ion	Ratio	Lower	Upper
43	100		
58	53.2	27.5	82.4

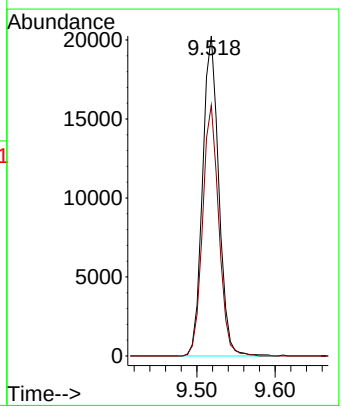


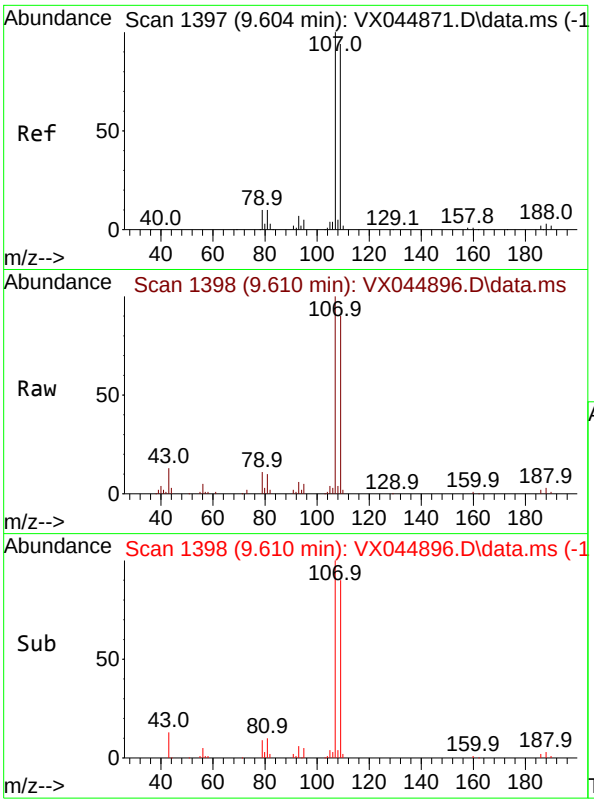


#60
Dibromochloromethane
Concen: 18.964 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:129 Resp: 29042

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3



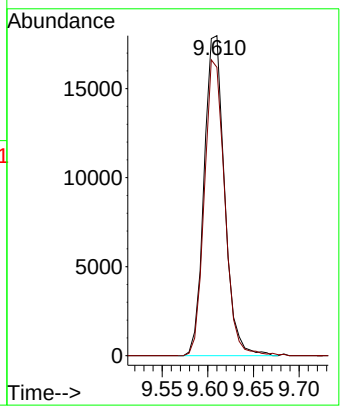


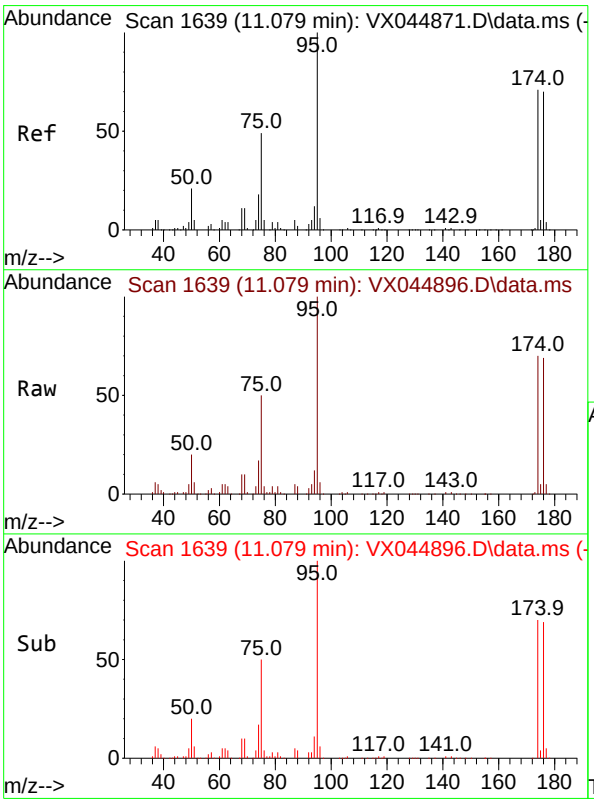
#61
1,2-Dibromoethane
Concen: 19.199 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:107 Resp: 27865

Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.9	113.9

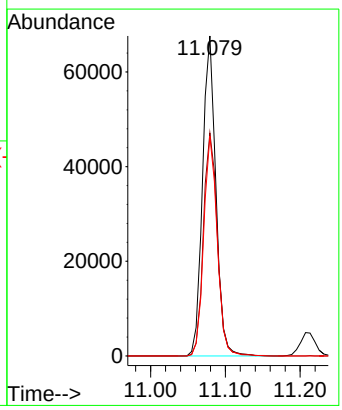


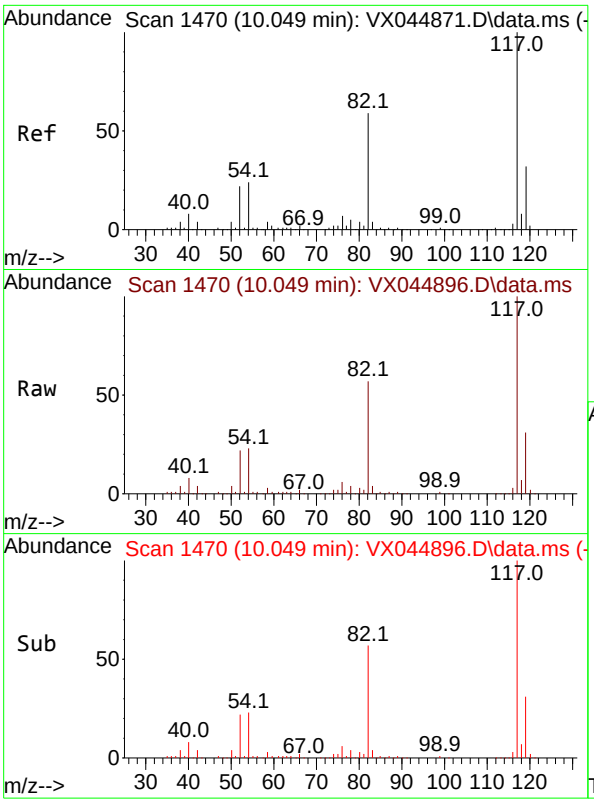


#62
4-Bromofluorobenzene
Concen: 47.362 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 95 Resp: 83827

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	142.6
176	69.4	0.0	141.6



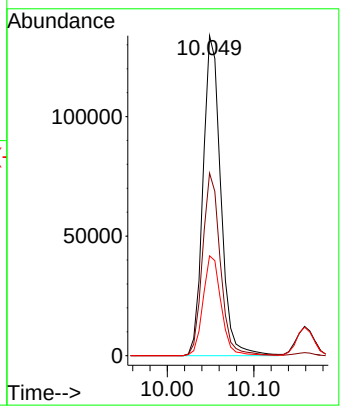


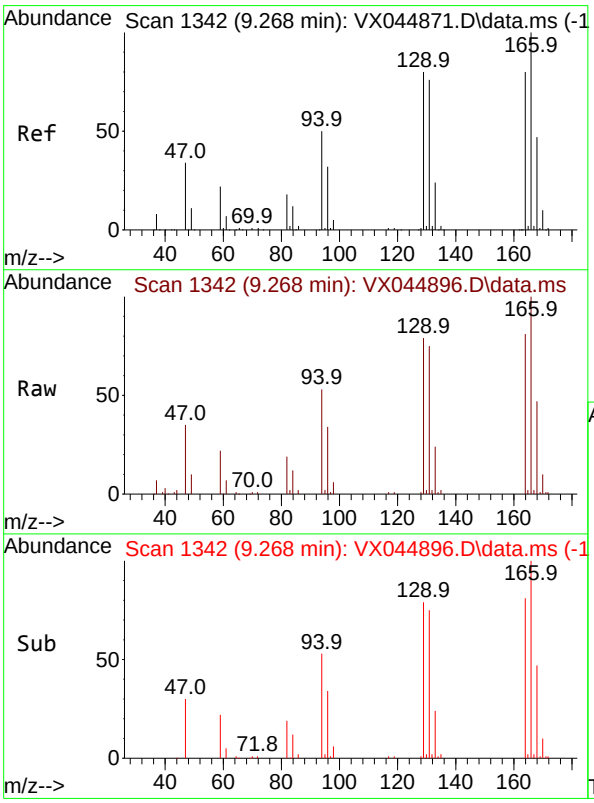
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:117 Resp: 190238

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.5	71.3
119	31.2	25.4	38.0

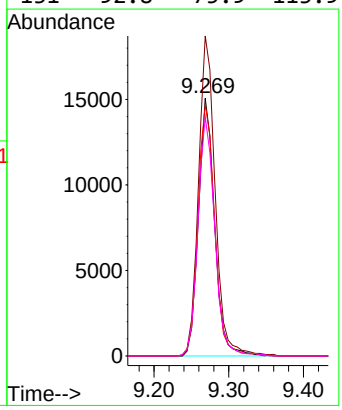


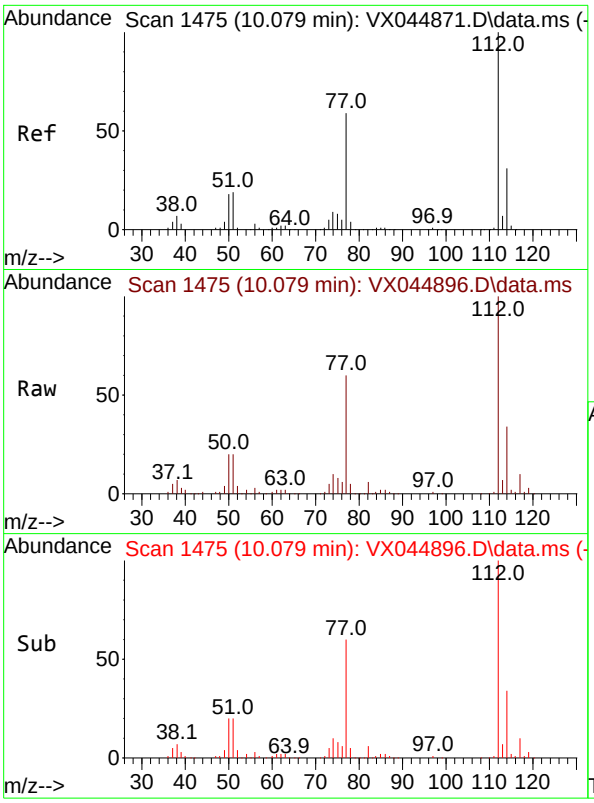


#64
Tetrachloroethene
Concen: 18.808 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:164 Resp: 22565

Ion	Ratio	Lower	Upper
164	100		
166	124.2	100.4	150.6
129	97.5	79.9	119.9
131	92.8	75.9	113.9



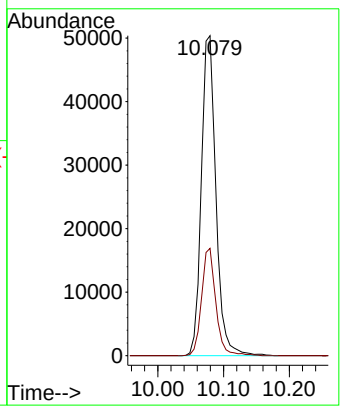


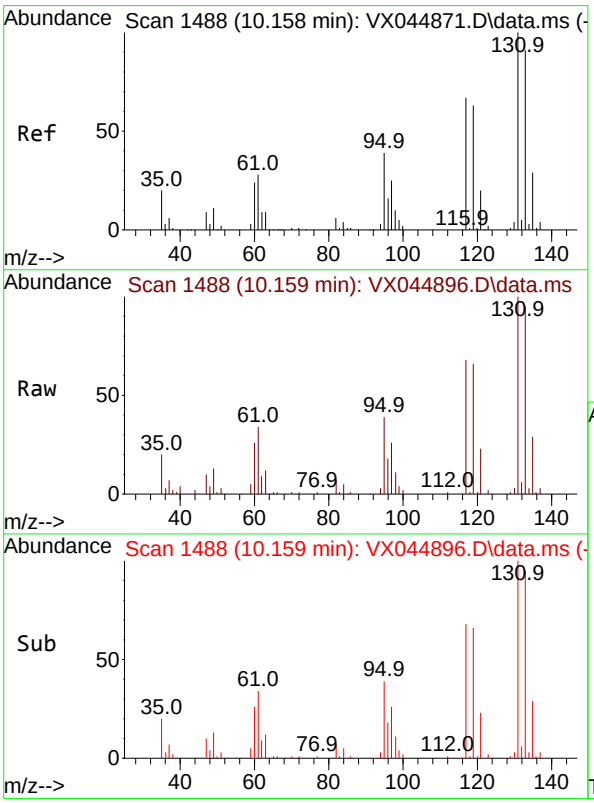
#65
Chlorobenzene
Concen: 19.048 ug/l
RT: 10.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:112 Resp: 77829

Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.0	37.6

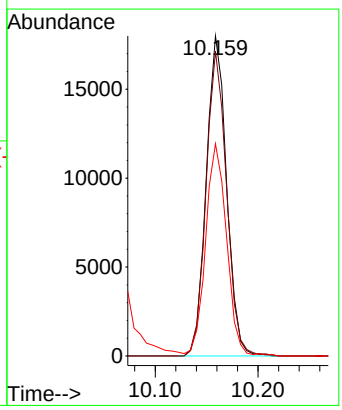


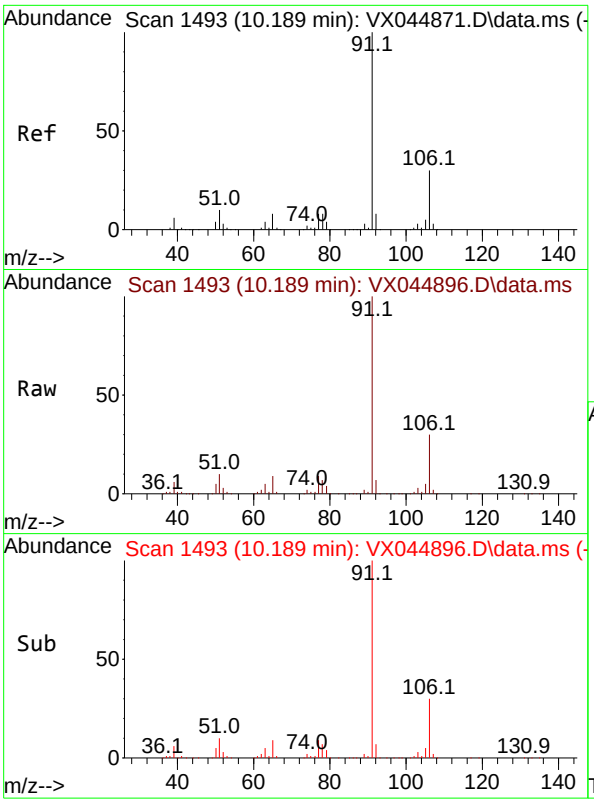


#66
1,1,1,2-Tetrachloroethane
Concen: 18.825 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:131 Resp: 24758

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.1	141.3
119	68.2	33.6	100.6



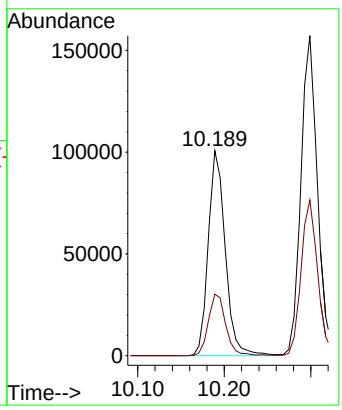


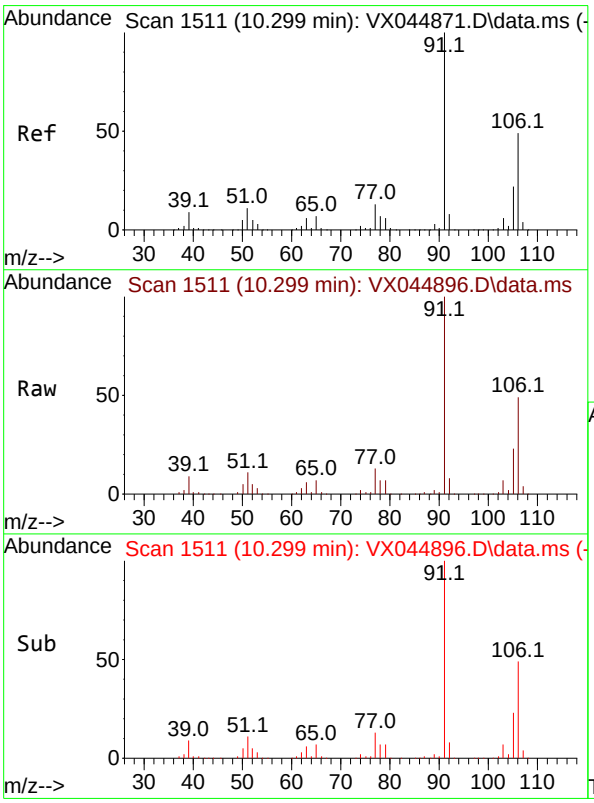
#67
Ethyl Benzene
Concen: 19.107 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 91 Resp: 137771

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

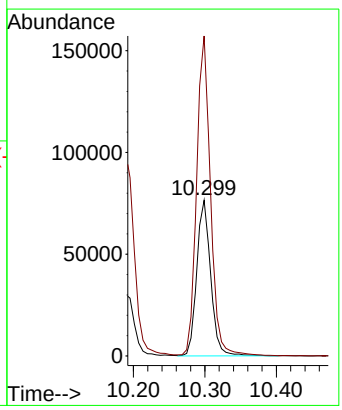


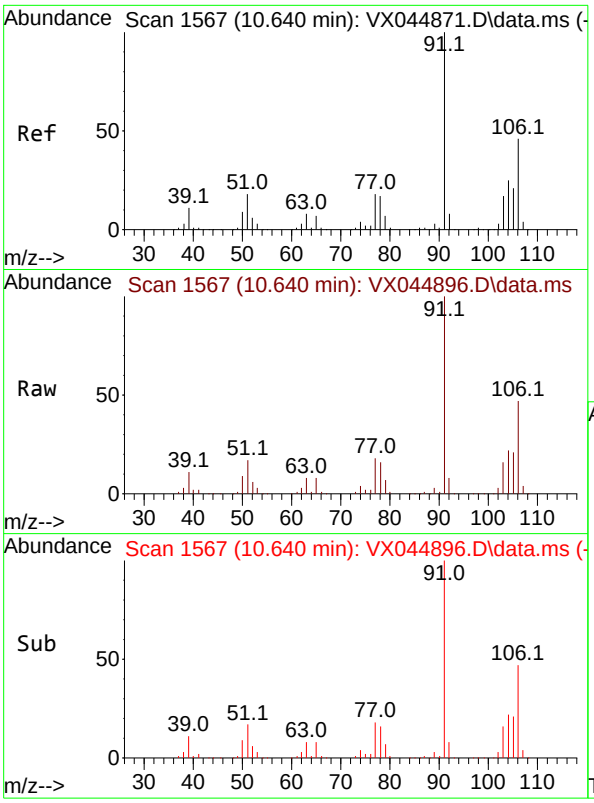


#68
m/p-Xylenes
Concen: 38.857 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:106 Resp: 103355

Ion	Ratio	Lower	Upper
106	100		
91	204.9	164.3	246.5



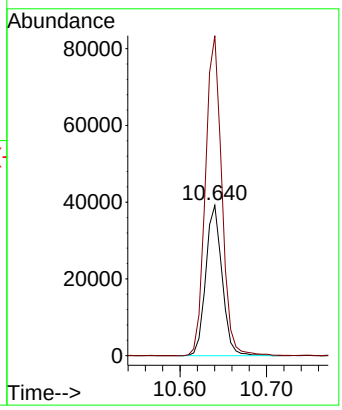


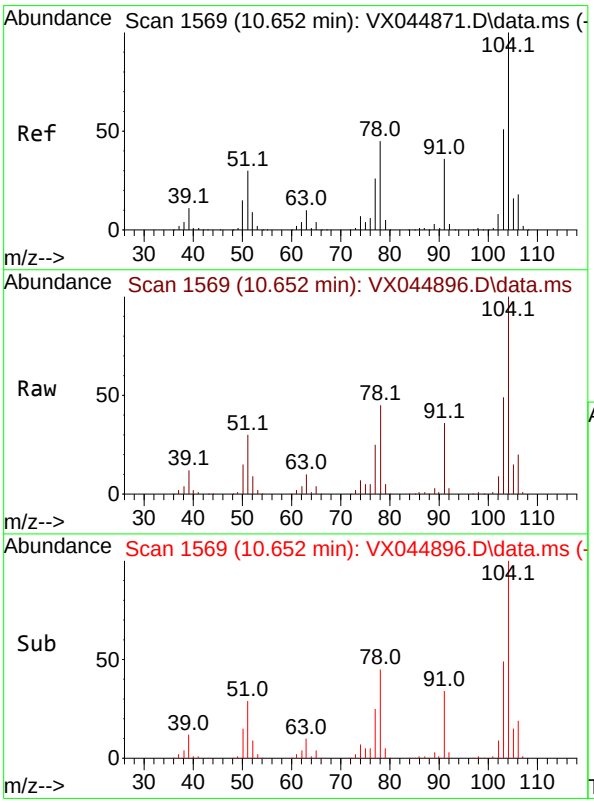
#69
o-Xylene
Concen: 19.188 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:106 Resp: 51211

Ion	Ratio	Lower	Upper
106	100		
91	214.3	108.5	325.5

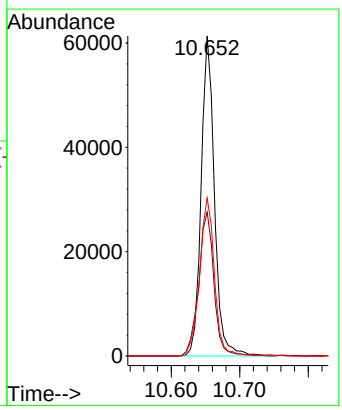


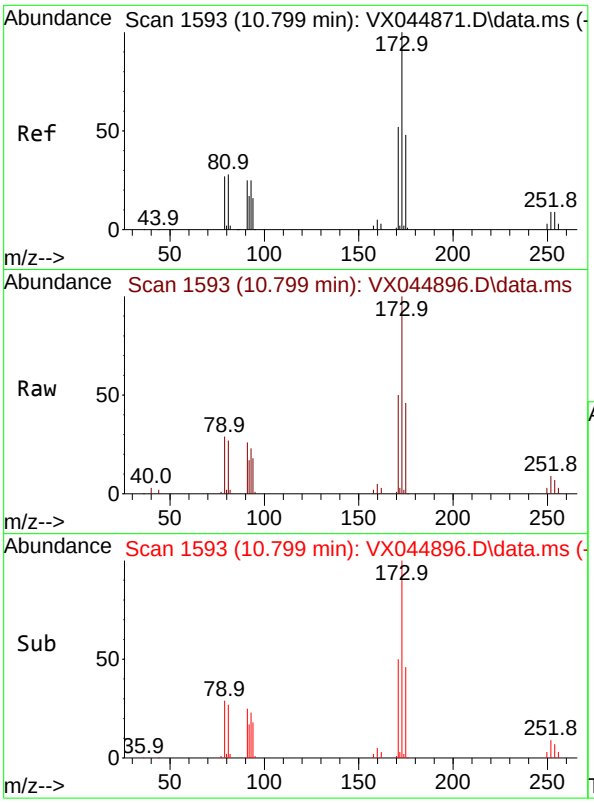


#70
Styrene
Concen: 19.304 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:104 Resp: 83008

Ion	Ratio	Lower	Upper
104	100		
78	51.4	40.5	60.7
103	55.6	43.6	65.4



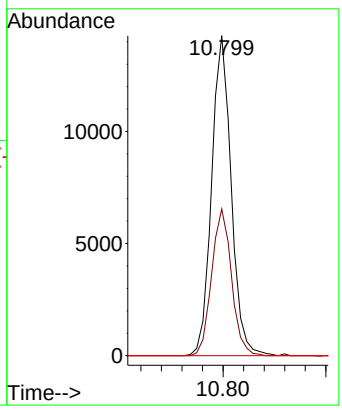


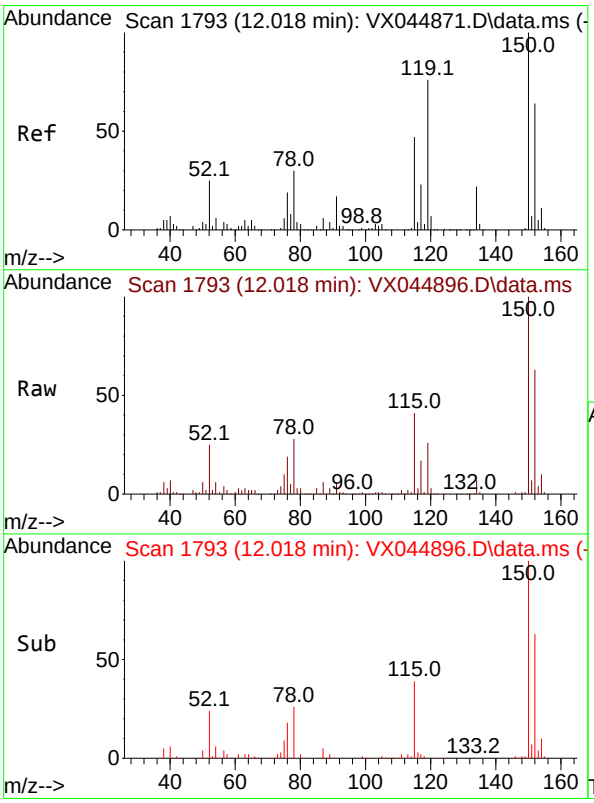
#71
Bromoform
Concen: 19.176 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:173 Resp: 18821

Ion	Ratio	Lower	Upper
173	100		
175	46.5	24.3	72.8
254	0.0	0.0	0.0

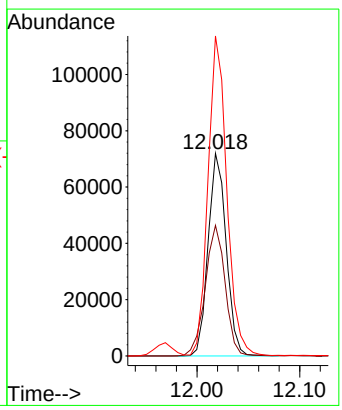


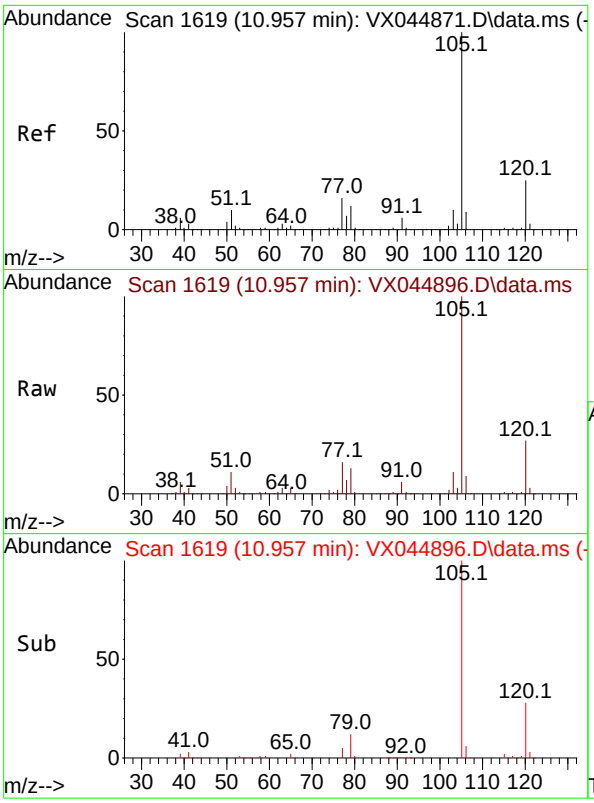


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:152 Resp: 87843

Ion	Ratio	Lower	Upper
152	100		
115	70.9	43.4	130.1
150	163.8	0.0	350.4



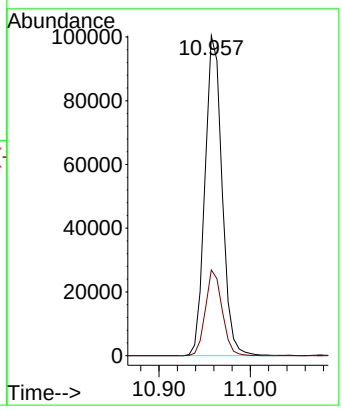


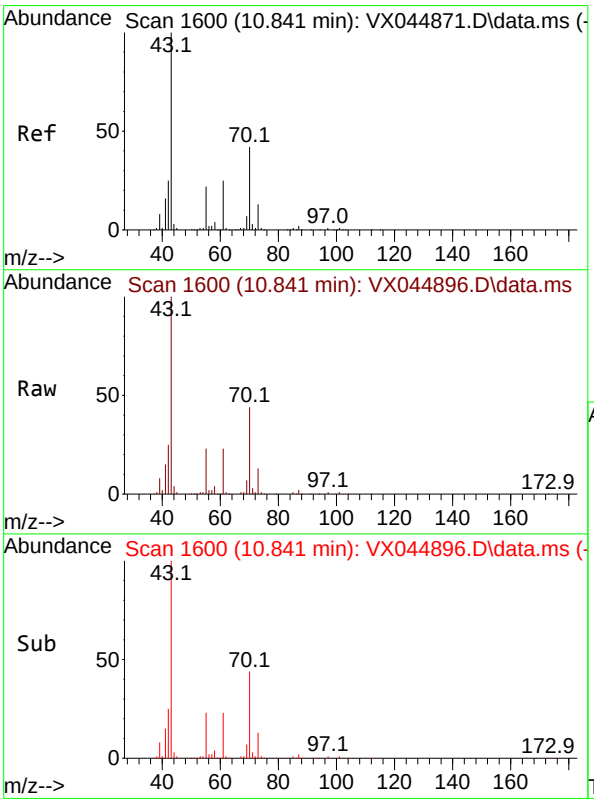
#73
Isopropylbenzene
Concen: 18.358 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:105 Resp: 129845

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5

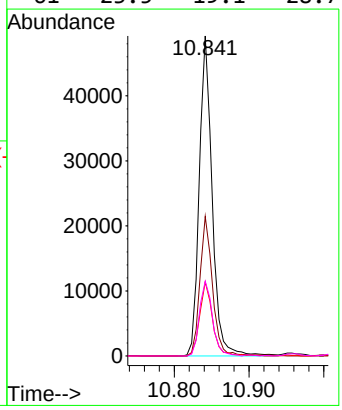


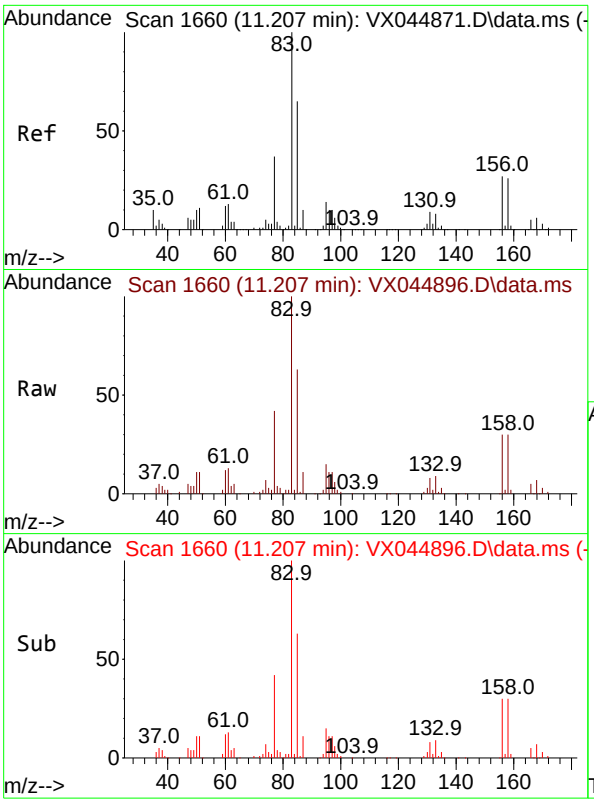


#74
N-amyl acetate
Concen: 18.492 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 59187

Ion	Ratio	Lower	Upper
43	100		
70	42.4	33.7	50.5
55	23.2	18.6	27.8
61	23.5	19.1	28.7



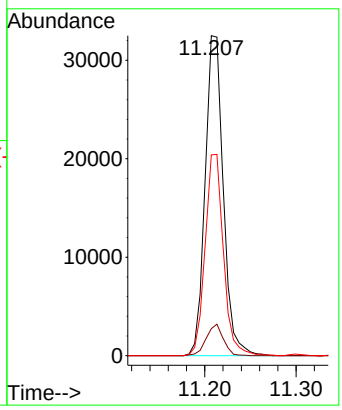


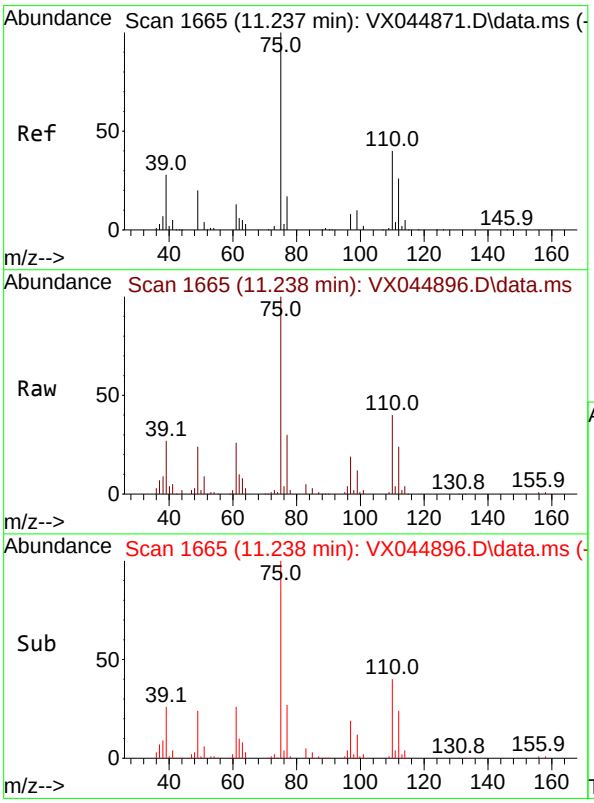
#75
1,1,2,2-Tetrachloroethane
Concen: 18.453 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 83 Resp: 44850

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.5
85	63.4	32.3	96.8

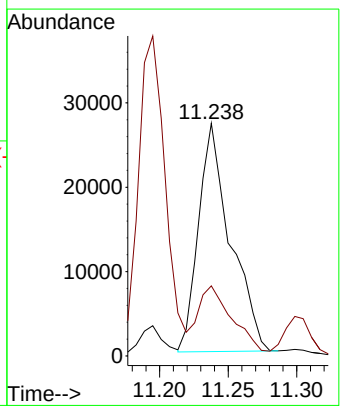


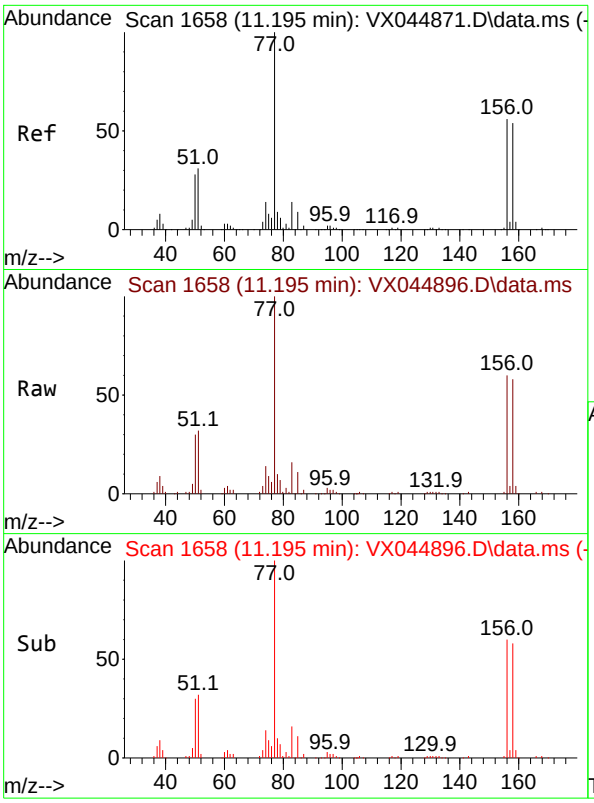


#76
1,2,3-Trichloropropane
Concen: 22.577 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 75 Resp: 43972

Ion	Ratio	Lower	Upper
75	100		
77	33.9	21.9	65.7



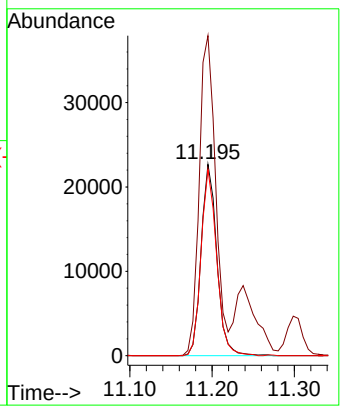


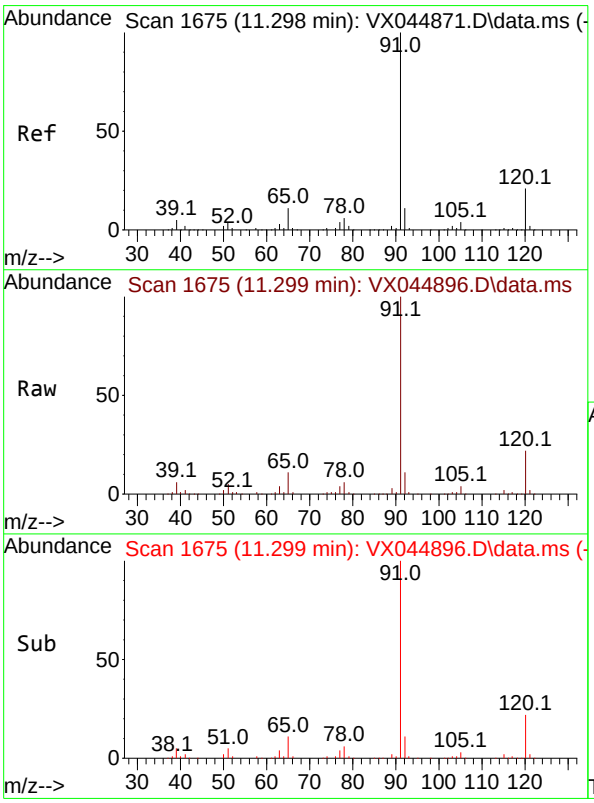
#77
Bromobenzene
Concen: 18.745 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:156 Resp: 30059

Ion	Ratio	Lower	Upper
156	100		
77	174.2	88.4	265.3
158	96.9	48.4	145.2

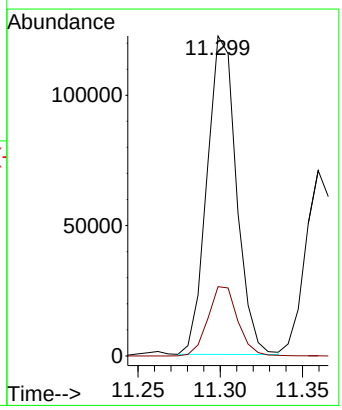


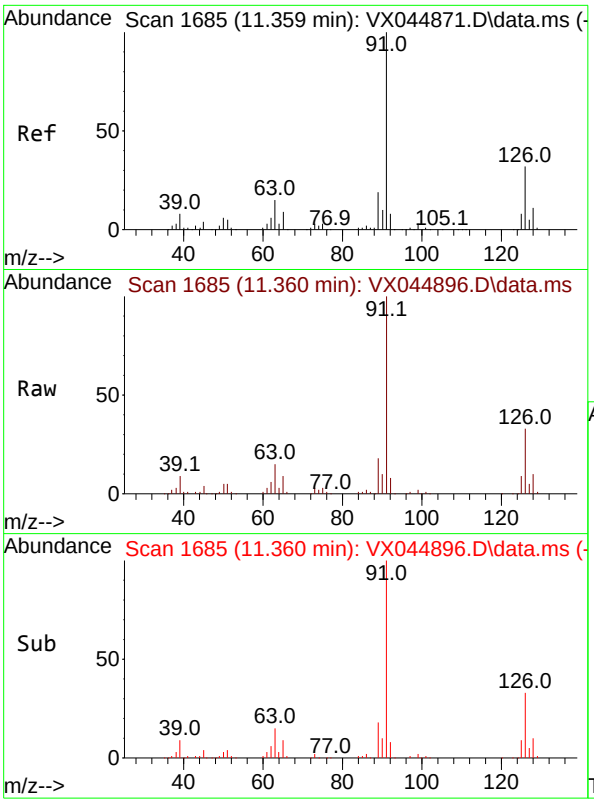


#78
n-propylbenzene
Concen: 18.663 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 91 Resp: 152366

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3



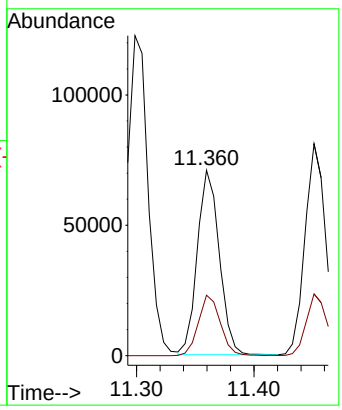


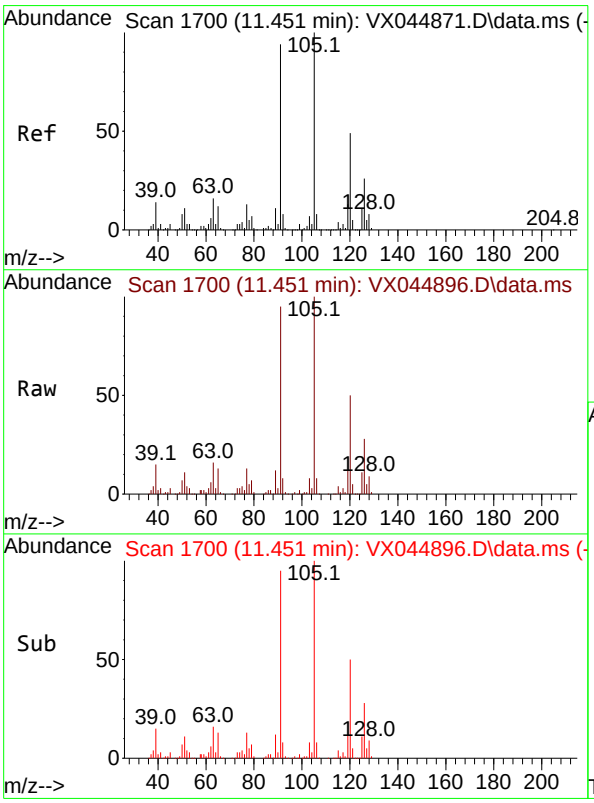
#79
2-Chlorotoluene
Concen: 18.370 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 91 Resp: 92170

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6

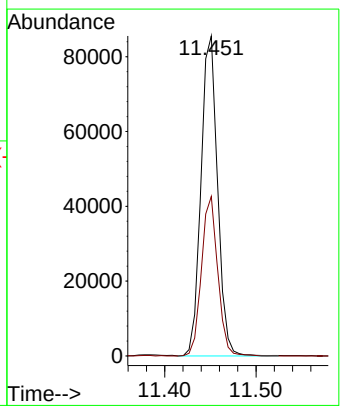


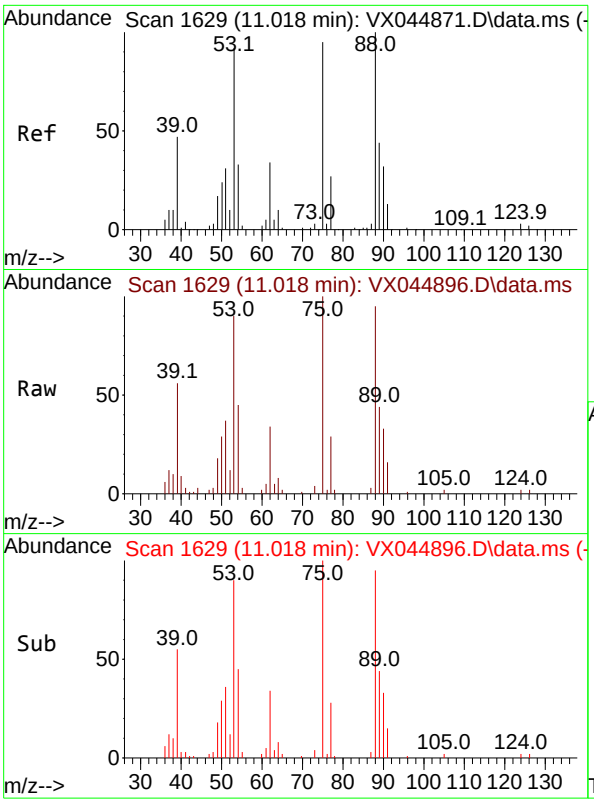


#80
1,3,5-Trimethylbenzene
Concen: 18.734 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:105 Resp: 107531

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.0	72.0



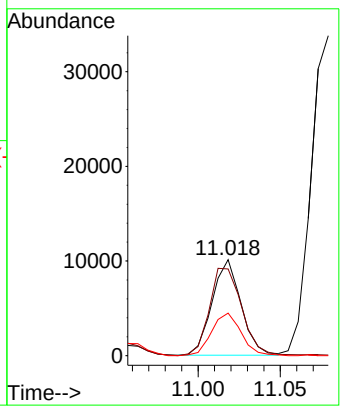


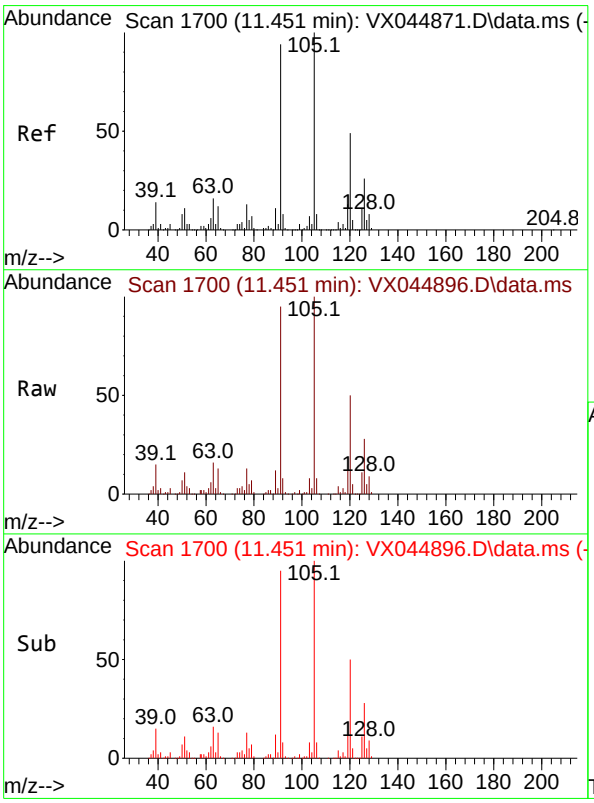
#81
trans-1,4-Dichloro-2-butene
Concen: 16.324 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 75 Resp: 12359

Ion	Ratio	Lower	Upper
75	100		
53	103.8	78.0	117.0
89	45.4	36.6	54.8

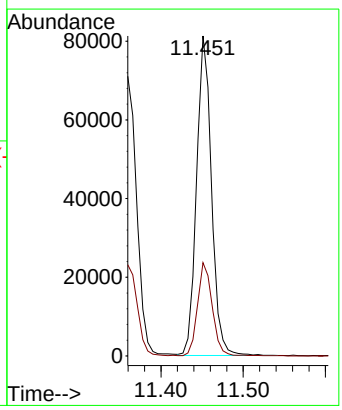


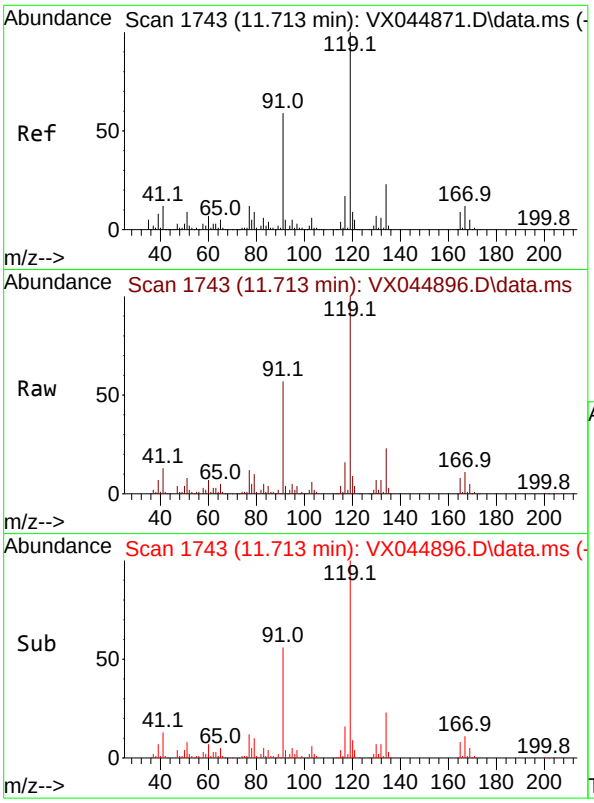


#82
4-Chlorotoluene
Concen: 18.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 91 Resp: 102495

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



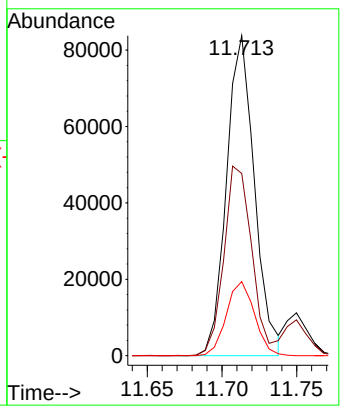


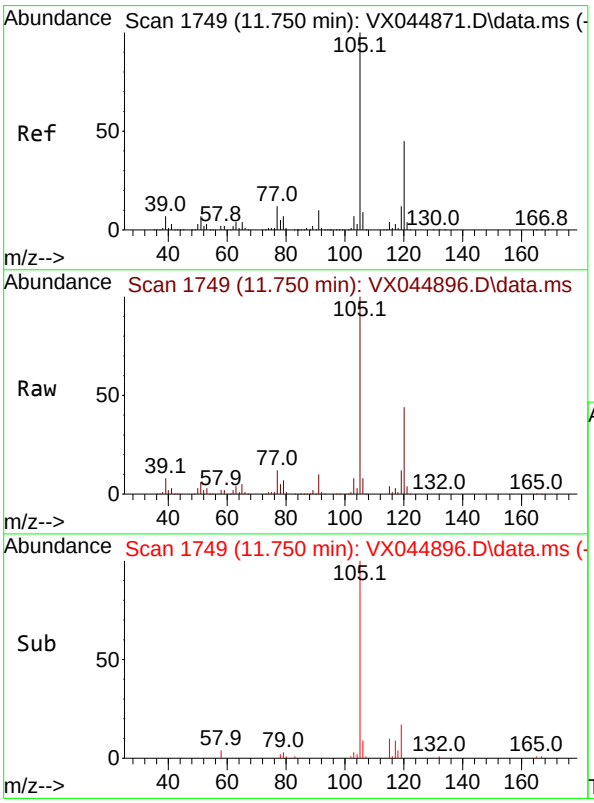
#83
tert-Butylbenzene
Concen: 18.771 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:119 Resp: 108994

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.1	87.4
134	23.3	11.5	34.5

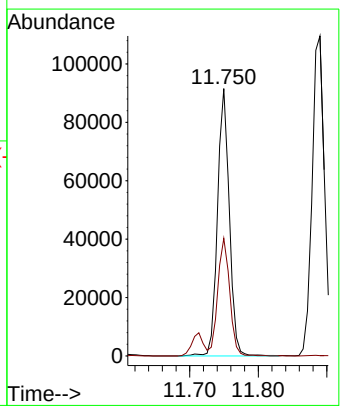


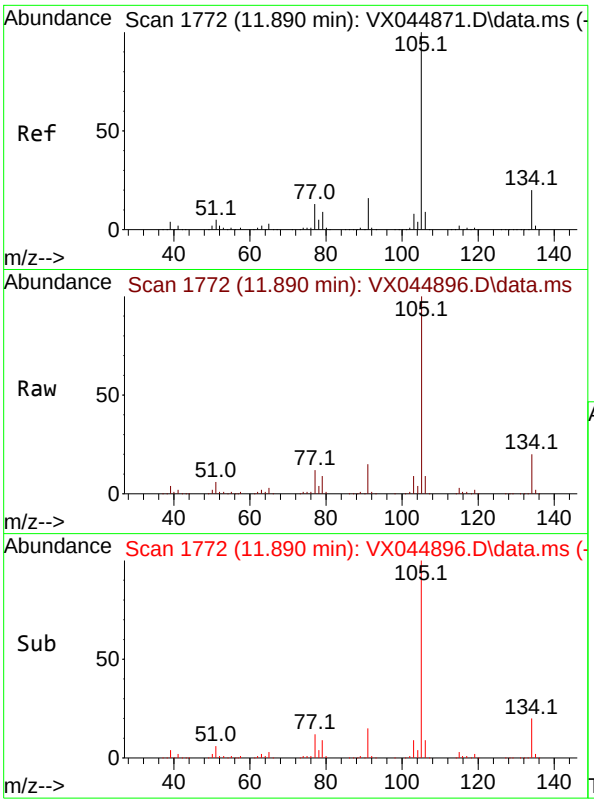


#84
1,2,4-Trimethylbenzene
Concen: 19.237 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:105 Resp: 108980

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.0



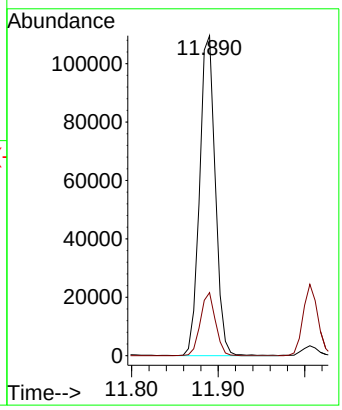


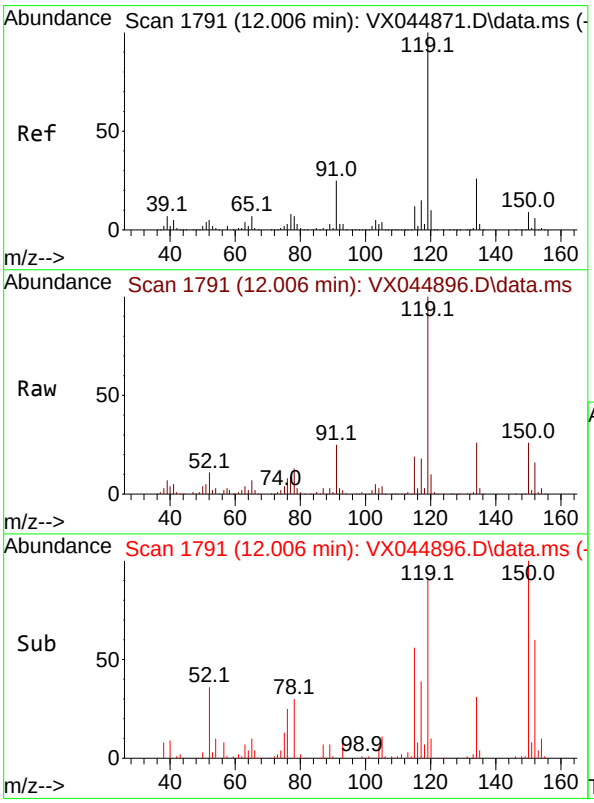
#85
sec-Butylbenzene
Concen: 19.157 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:105 Resp: 137742

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.8	29.3

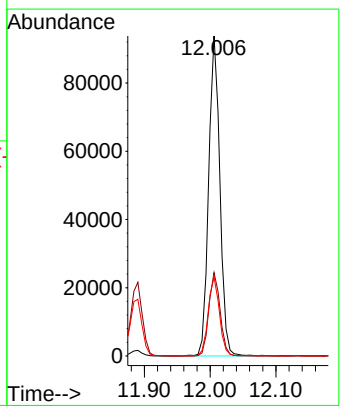


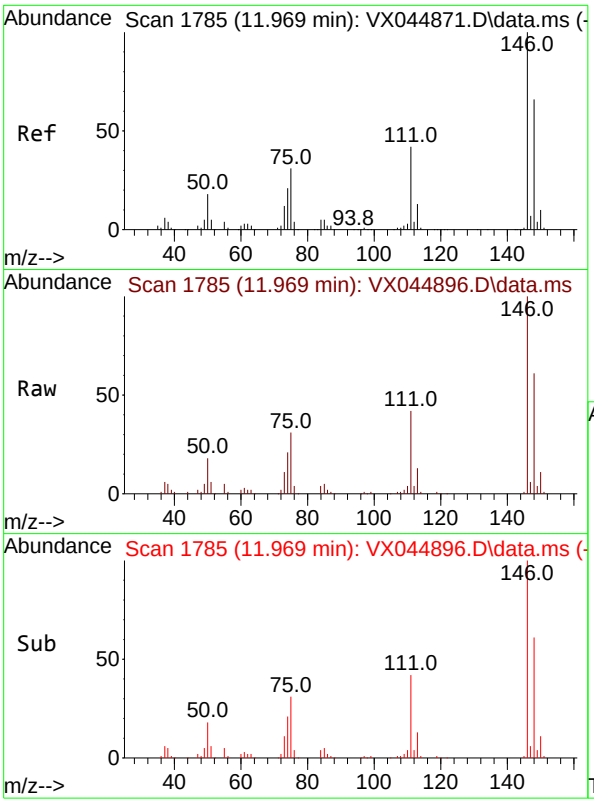


#86
p-Isopropyltoluene
Concen: 19.191 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:119 Resp: 110966

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	24.8	12.1	36.3



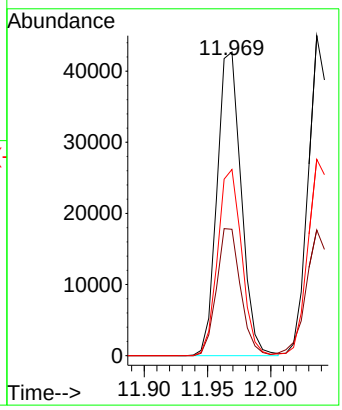


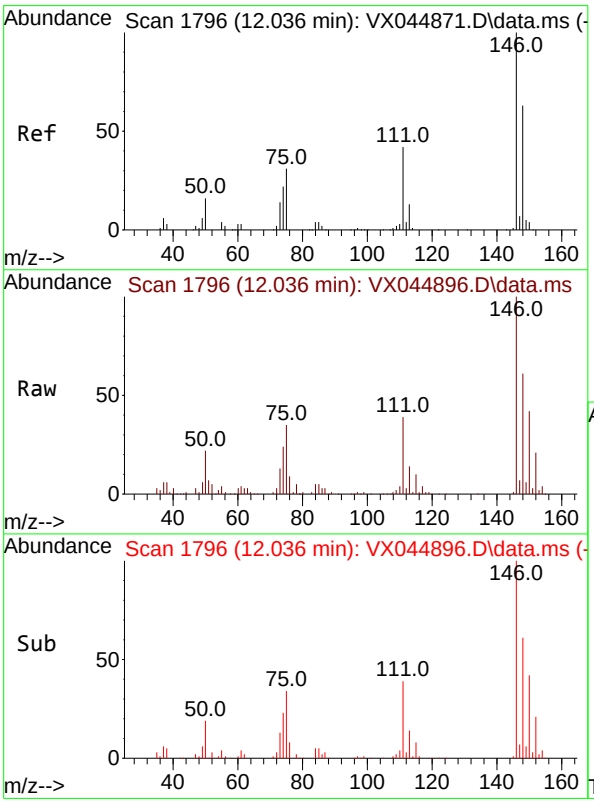
#87
1,3-Dichlorobenzene
Concen: 19.196 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:146 Resp: 56608

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	61.1	32.5	97.5

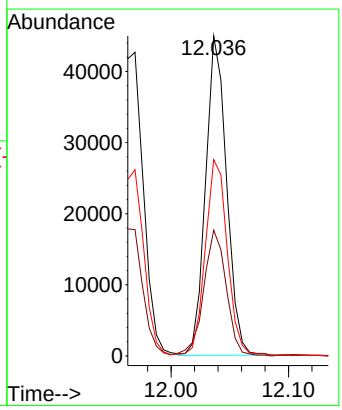


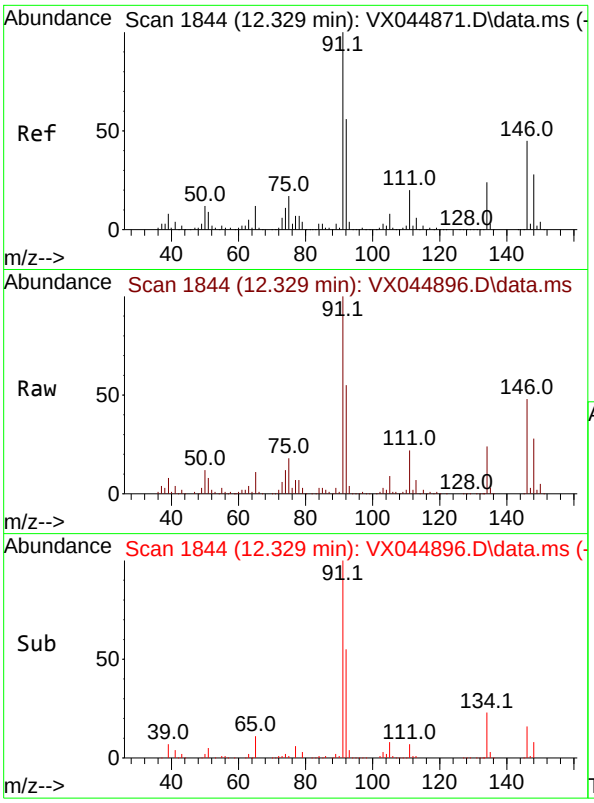


#88
1,4-Dichlorobenzene
Concen: 18.663 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:146 Resp: 55645

Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.4	61.3
148	64.4	32.0	96.0



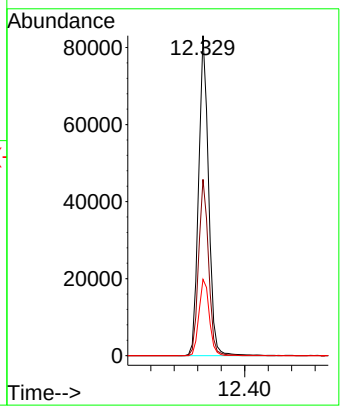


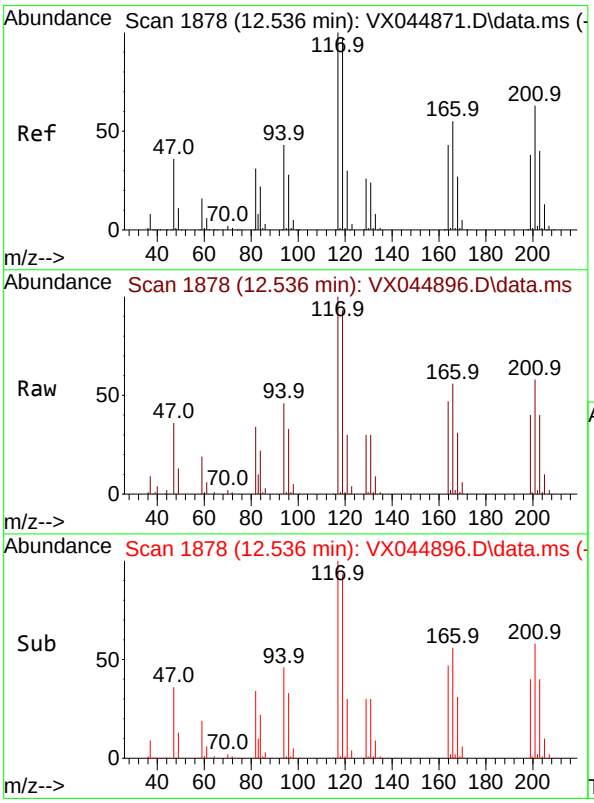
#89
n-Butylbenzene
Concen: 19.167 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 91 Resp: 98048

Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.6
134	24.8	12.1	36.3

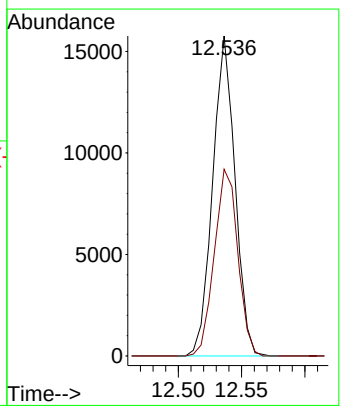


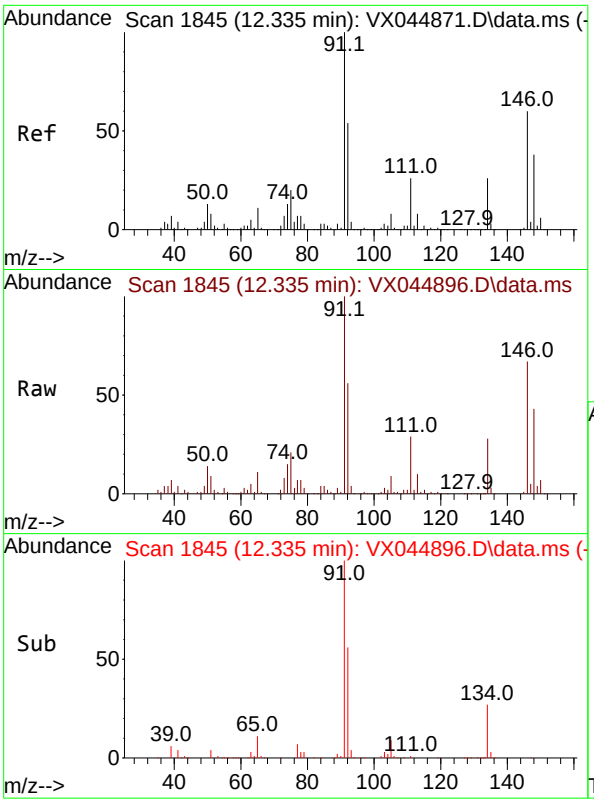


#90
Hexachloroethane
Concen: 17.833 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:117 Resp: 19308

Ion	Ratio	Lower	Upper
117	100		
201	61.4	32.5	97.5



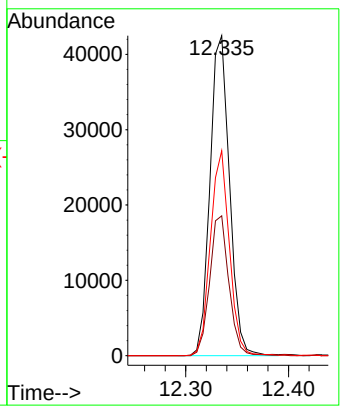


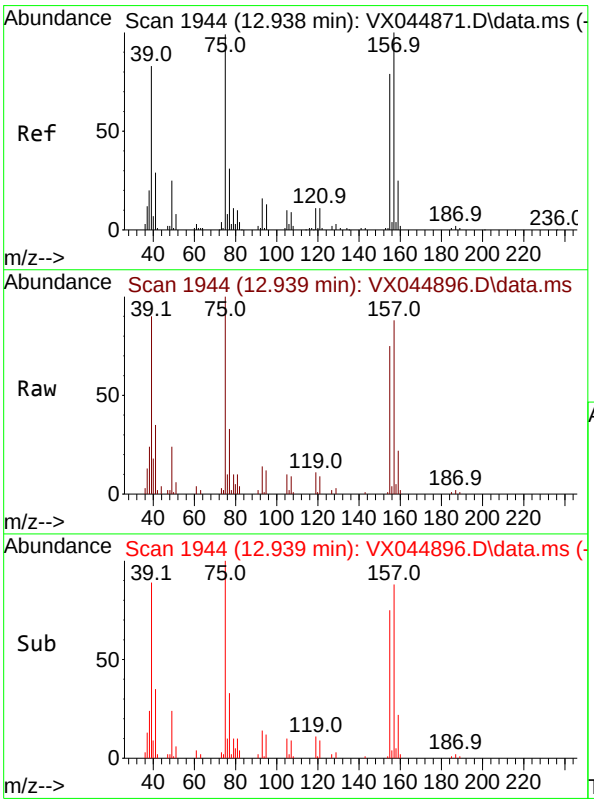
#91
1,2-Dichlorobenzene
Concen: 19.369 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:146 Resp: 56136

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.4
148	62.3	31.9	95.9

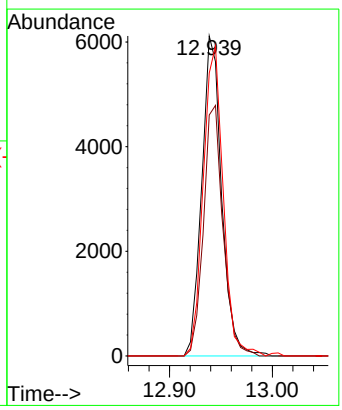


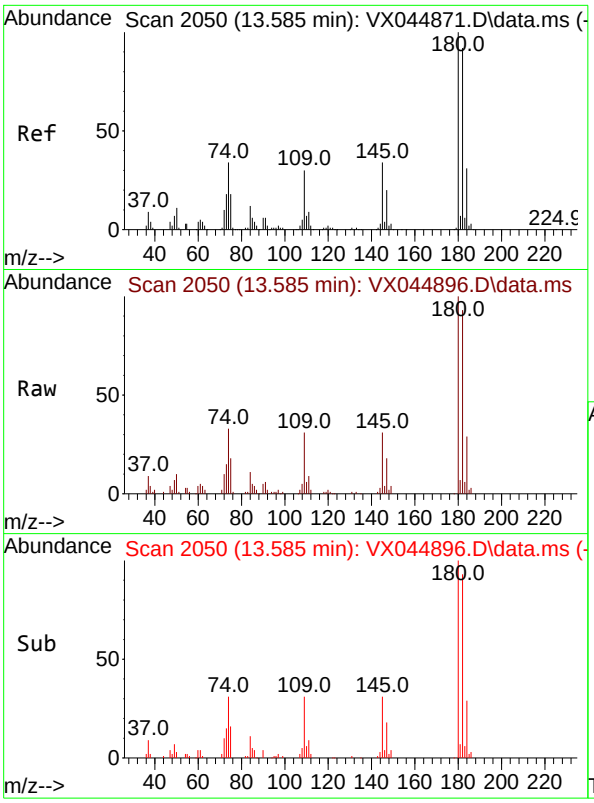


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.540 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 75 Resp: 8224

Ion	Ratio	Lower	Upper
75	100		
155	77.1	40.5	121.4
157	97.0	51.4	154.3



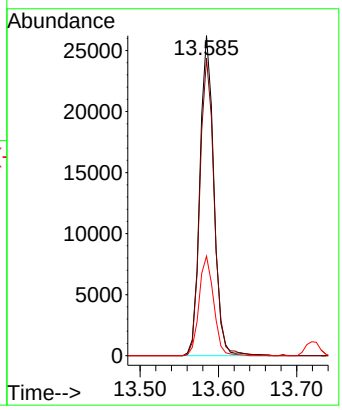


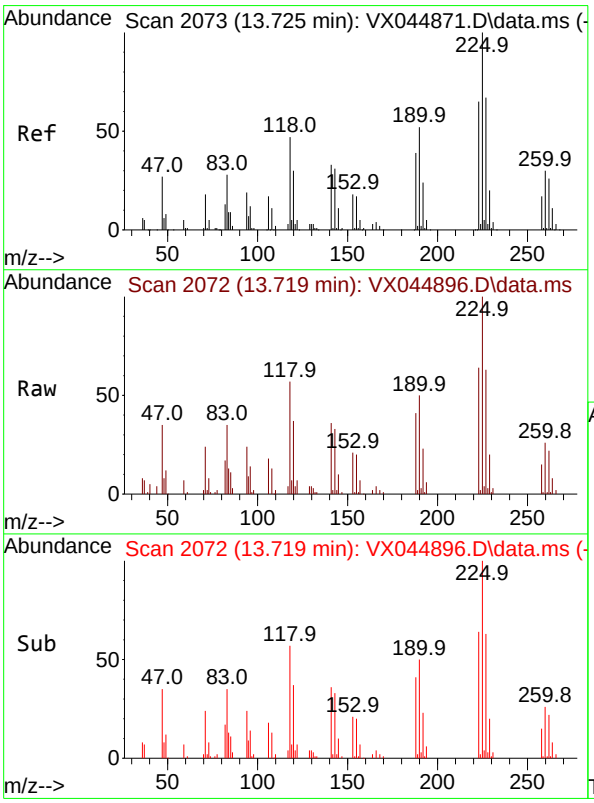
#93
1,2,4-Trichlorobenzene
Concen: 18.475 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:180 Resp: 32400

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.6	142.8
145	32.5	16.4	49.1

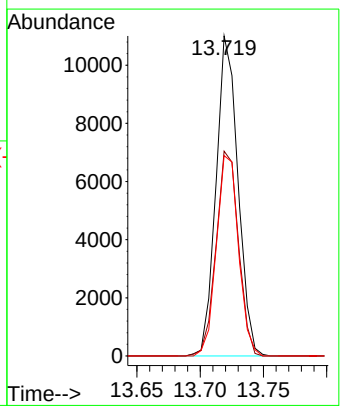


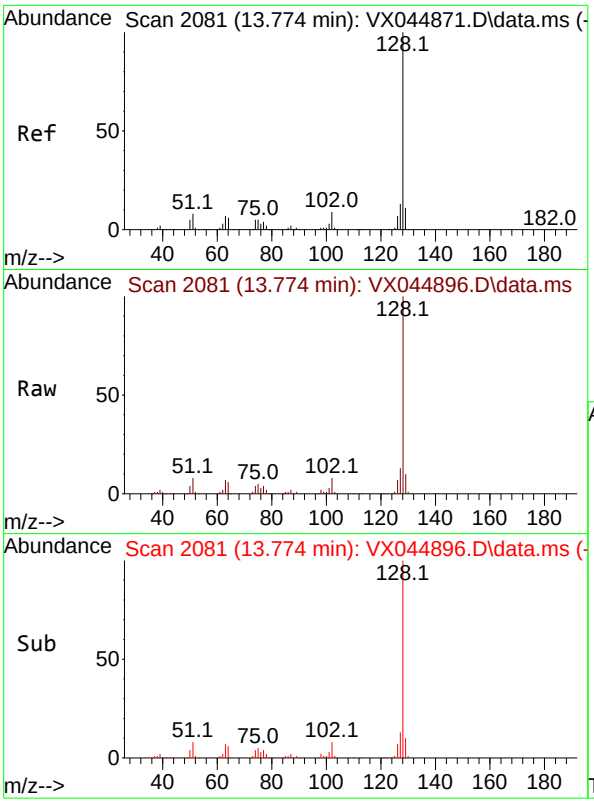


#94
Hexachlorobutadiene
Concen: 19.011 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:225 Resp: 13235

Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.4	94.2
227	63.0	32.3	96.8



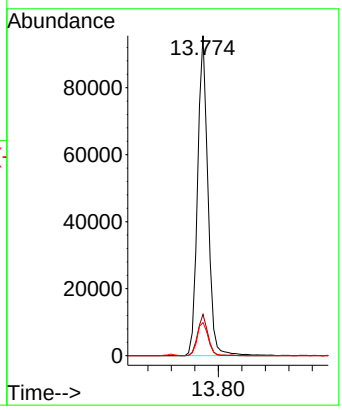


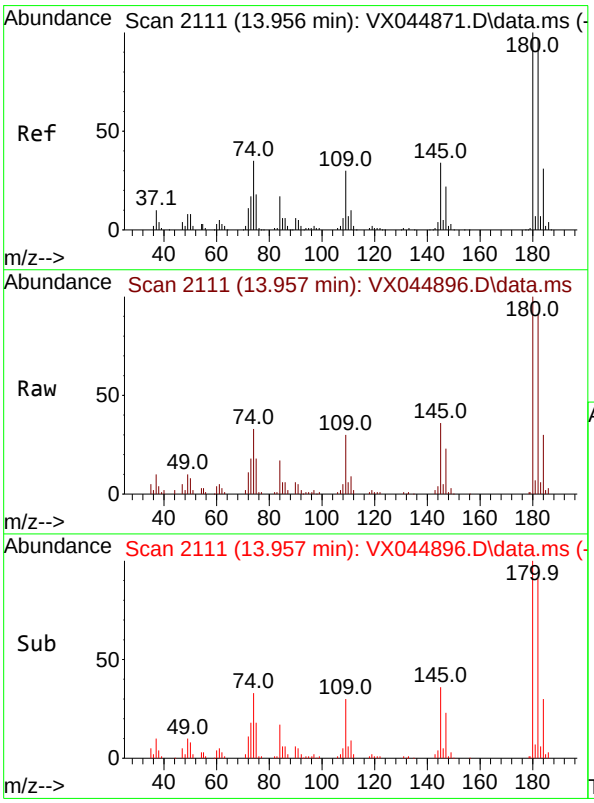
#95
Naphthalene
Concen: 18.432 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:128 Resp: 116851

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.0	8.9	13.3

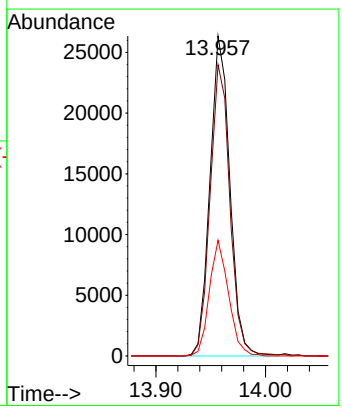




#96
1,2,3-Trichlorobenzene
Concen: 18.792 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:180 Resp: 33208

Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.9	143.6
145	34.9	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044897.D
Acq On : 11 Feb 2025 11:48
Operator : JC/MD
Sample : VX0211WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Quant Time: Feb 12 02:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	116406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	211404	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	186335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84156	49.388	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.780%			
35) Dibromofluoromethane	5.379	113	67081	48.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.600%			
50) Toluene-d8	8.641	98	254774	49.019	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.040%			
62) 4-Bromofluorobenzene	11.079	95	86989	49.646	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	31601	19.356	ug/l	98
3) Chloromethane	1.301	50	37119	18.680	ug/l	97
4) Vinyl Chloride	1.374	62	36957	19.198	ug/l	96
5) Bromomethane	1.593	94	11587	20.114	ug/l	99
6) Chloroethane	1.666	64	15397	18.945	ug/l	97
7) Trichlorofluoromethane	1.874	101	47412	19.475	ug/l	99
8) Diethyl Ether	2.130	74	18158	20.567	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	29801	20.261	ug/l	99
10) Methyl Iodide	2.441	142	38410	20.149	ug/l	99
11) Tert butyl alcohol	2.983	59	32829	103.851	ug/l	98
12) 1,1-Dichloroethene	2.313	96	29002	19.330	ug/l	98
13) Acrolein	2.233	56	31603	96.897	ug/l	98
14) Allyl chloride	2.654	41	51780	19.096	ug/l	96
15) Acrylonitrile	3.062	53	86862	102.915	ug/l	99
16) Acetone	2.380	43	68752	100.366	ug/l	98
17) Carbon Disulfide	2.502	76	76655	18.631	ug/l	97
18) Methyl Acetate	2.703	43	44373	20.527	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	96651	20.246	ug/l	99
20) Methylene Chloride	2.782	84	32877	19.594	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	29055	19.676	ug/l	93
22) Diisopropyl ether	3.757	45	105816	20.627	ug/l	93
23) Vinyl Acetate	3.715	43	433511	103.656	ug/l	97
24) 1,1-Dichloroethane	3.599	63	56359	19.635	ug/l	97
25) 2-Butanone	4.556	43	115645	103.966	ug/l	97
26) 2,2-Dichloropropane	4.465	77	44593	19.590	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	35548	20.041	ug/l	98
28) Bromochloromethane	4.891	49	25541	18.515	ug/l	98
29) Tetrahydrofuran	5.001	42	75125	101.711	ug/l	98
30) Chloroform	5.086	83	54727	19.660	ug/l	97
31) Cyclohexane	5.458	56	52843	19.969	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	46336	19.624	ug/l	98
36) 1,1-Dichloropropene	5.690	75	38126	19.226	ug/l	100
37) Ethyl Acetate	4.708	43	42191	19.128	ug/l	98
38) Carbon Tetrachloride	5.666	117	38835	19.985	ug/l	96
39) Methylcyclohexane	7.373	83	53434	20.842	ug/l	97
40) Benzene	6.031	78	125170	20.215	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044897.D
Acq On : 11 Feb 2025 11:48
Operator : JC/MD
Sample : VX0211WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Quant Time: Feb 12 02:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	24902	21.092 ug/l	98
42) 1,2-Dichloroethane	6.080	62	41830	21.196 ug/l	99
43) Isopropyl Acetate	6.336	43	73633	20.673 ug/l	99
44) Trichloroethene	7.117	130	27907	19.717 ug/l	96
45) 1,2-Dichloropropane	7.428	63	31362	20.358 ug/l	97
46) Dibromomethane	7.580	93	21730	20.340 ug/l	97
47) Bromodichloromethane	7.818	83	42998	20.786 ug/l	98
48) Methyl methacrylate	7.690	41	34888	20.774 ug/l	98
49) 1,4-Dioxane	7.665	88	14679	407.387 ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	233883	108.010 ug/l	97
52) Toluene	8.714	92	76922	20.859 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	41931	20.031 ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	47877	20.513 ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	30181	21.290 ug/l	95
56) Ethyl methacrylate	9.116	69	47561	20.773 ug/l	99
57) 1,3-Dichloropropane	9.305	76	51672	20.832 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	108500	96.512 ug/l	99
59) 2-Hexanone	9.427	43	168110	107.751 ug/l	99
60) Dibromochloromethane	9.519	129	31801	20.976 ug/l	99
61) 1,2-Dibromoethane	9.604	107	30172	20.999 ug/l	98
64) Tetrachloroethene	9.269	164	23477	19.978 ug/l	97
65) Chlorobenzene	10.073	112	81300	20.314 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	25959	20.152 ug/l	97
67) Ethyl Benzene	10.189	91	144888	20.515 ug/l	100
68) m/p-Xylenes	10.299	106	108740	41.738 ug/l	99
69) o-Xylene	10.640	106	53496	20.464 ug/l	98
70) Styrene	10.653	104	88009	20.896 ug/l	99
71) Bromoform	10.799	173	19571	20.357 ug/l #	100
73) Isopropylbenzene	10.957	105	137984	20.488 ug/l	99
74) N-amyl acetate	10.842	43	63313	20.774 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	47168	20.381 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	48520	26.163 ug/l	84
77) Bromobenzene	11.195	156	31462	20.605 ug/l	96
78) n-propylbenzene	11.299	91	157806	20.300 ug/l	99
79) 2-Chlorotoluene	11.360	91	96410	20.179 ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	113664	20.797 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	13230	18.351 ug/l	94
82) 4-Chlorotoluene	11.451	91	107461	20.331 ug/l	100
83) tert-Butylbenzene	11.713	119	113453	20.520 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	113257	20.996 ug/l	99
85) sec-Butylbenzene	11.884	105	141678	20.693 ug/l	100
86) p-Isopropyltoluene	12.006	119	115883	21.047 ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	56403	20.087 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	56774	19.998 ug/l	99
89) n-Butylbenzene	12.329	91	101189	20.774 ug/l	99
90) Hexachloroethane	12.536	117	20215	19.608 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	57355	20.783 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8432	19.963 ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	33252	19.913 ug/l	98
94) Hexachlorobutadiene	13.719	225	13375	20.176 ug/l	99
95) Naphthalene	13.774	128	122681	20.324 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	33862	20.124 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044897.D
Acq On : 11 Feb 2025 11:48
Operator : JC/MD
Sample : VX0211WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Quant Time: Feb 12 02:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

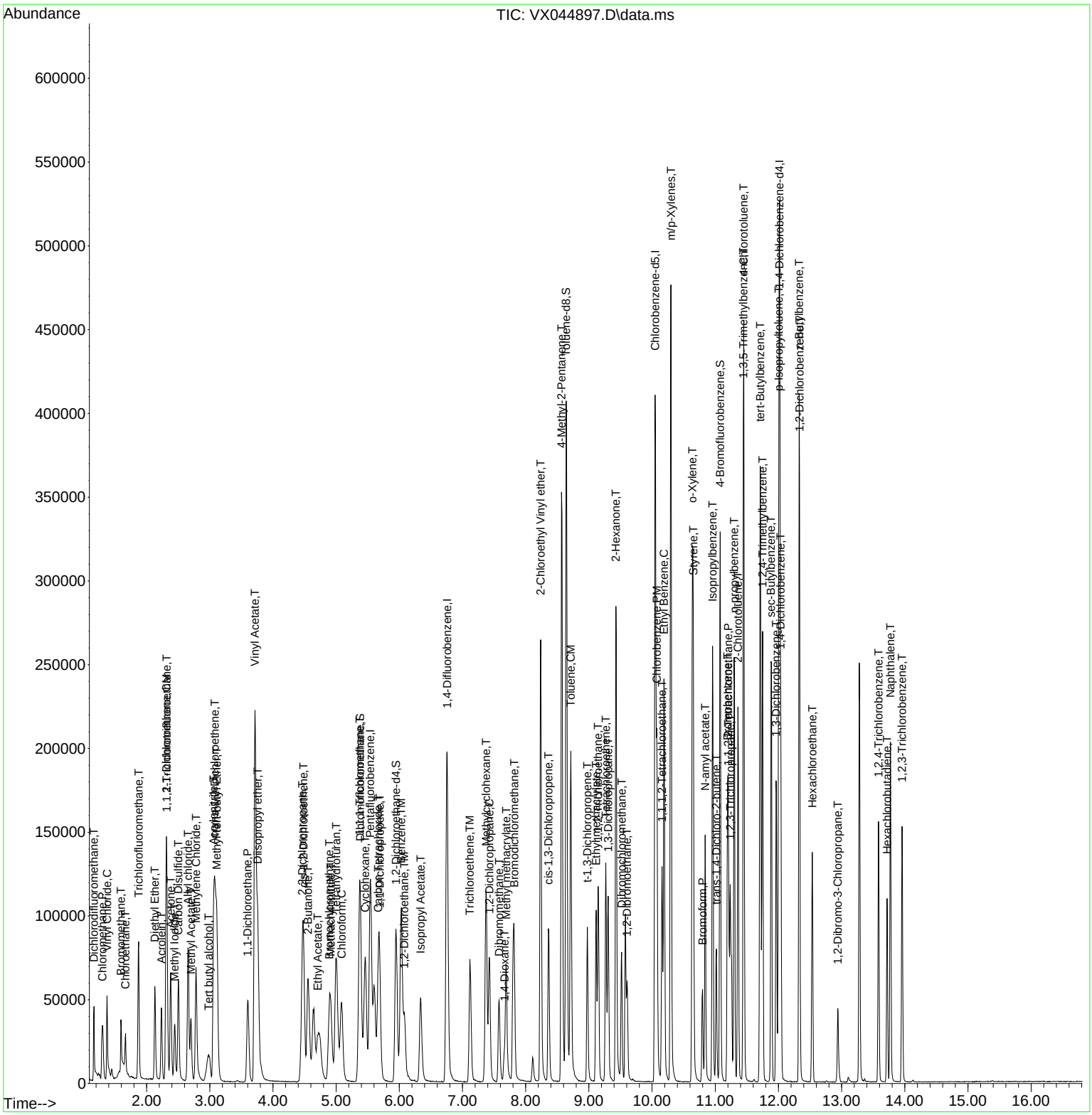
(#) = qualifier out of range (m) = manual integration (+) = signals summed

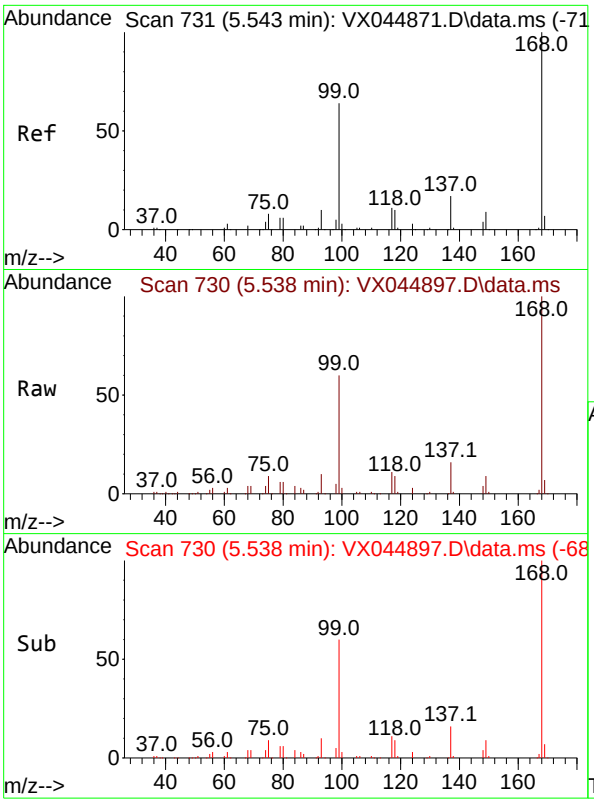
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044897.D
Acq On : 11 Feb 2025 11:48
Operator : JC/MD
Sample : VX0211WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Quant Time: Feb 12 02:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



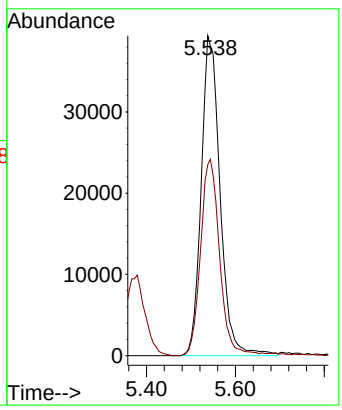


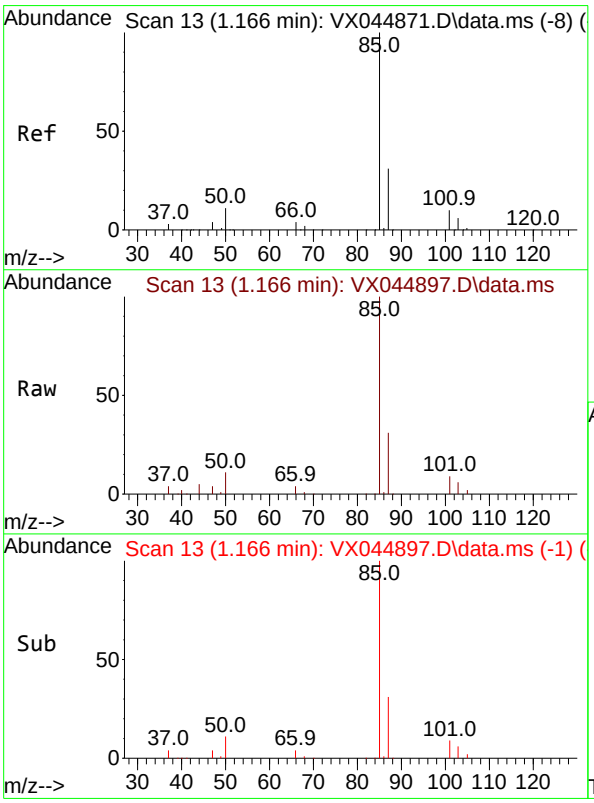
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.005 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:168 Resp: 116406

Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.2	76.8

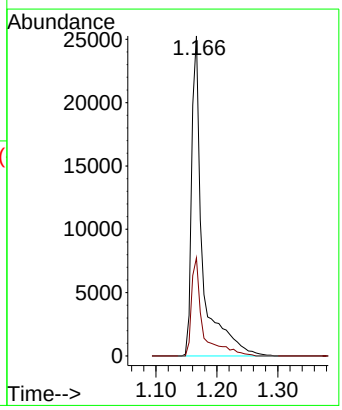


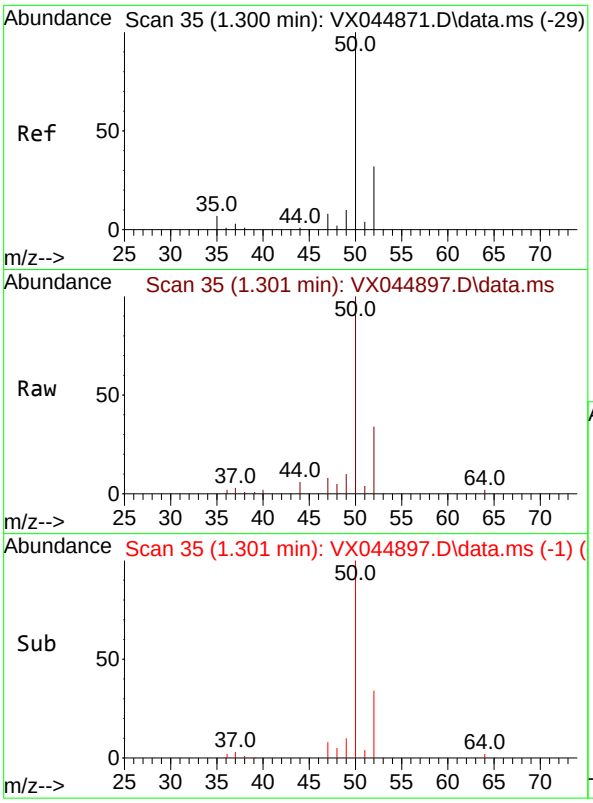


#2
Dichlorodifluoromethane
Concen: 19.356 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 85 Resp: 31601

Ion	Ratio	Lower	Upper
85	100		
87	30.6	15.8	47.3



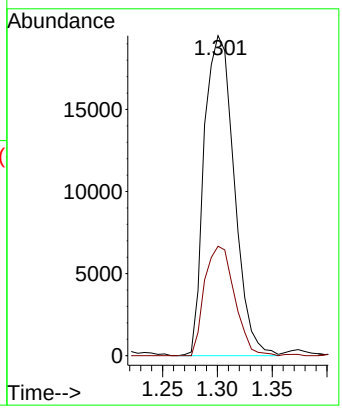


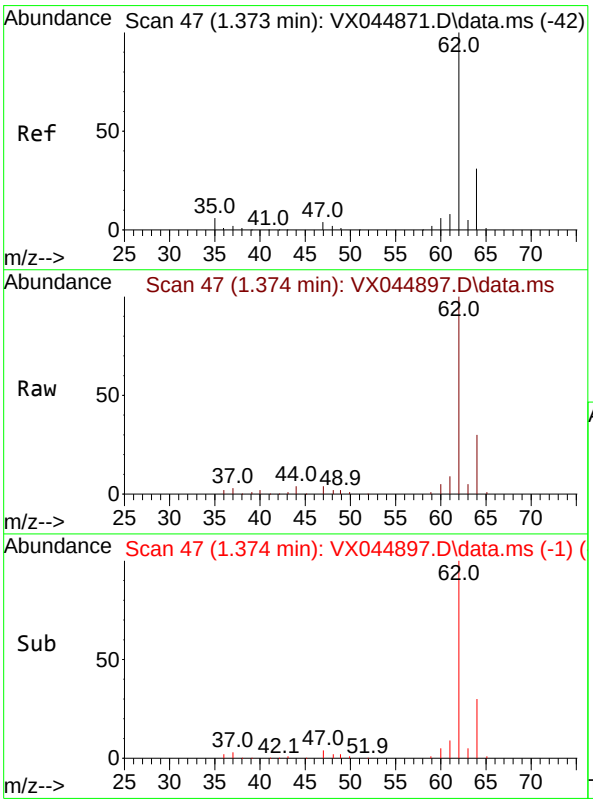
#3
Chloromethane
Concen: 18.680 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 50 Resp: 37119

Ion	Ratio	Lower	Upper
50	100		
52	34.2	25.9	38.9

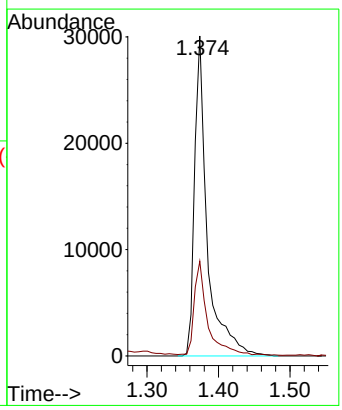


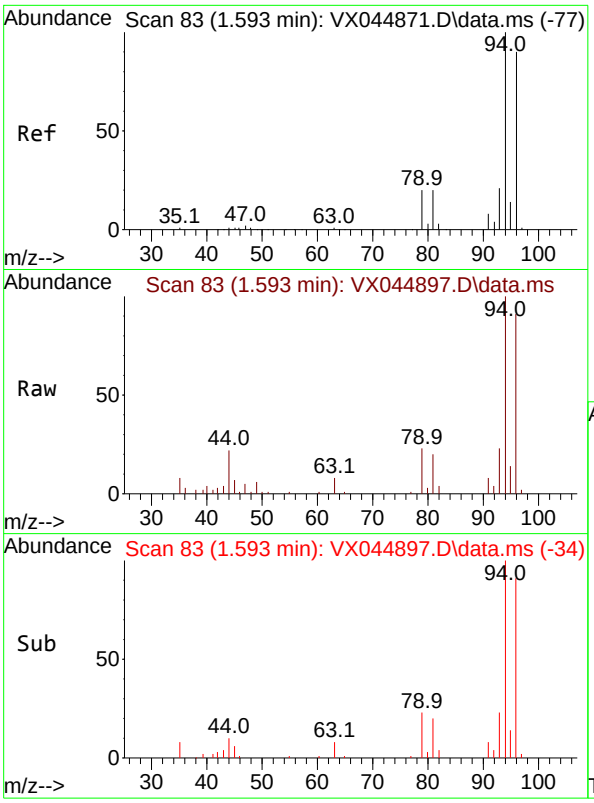


#4
Vinyl Chloride
Concen: 19.198 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 62 Resp: 36957

Ion	Ratio	Lower	Upper
62	100		
64	29.4	25.4	38.0



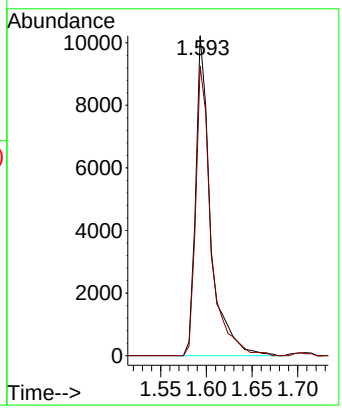


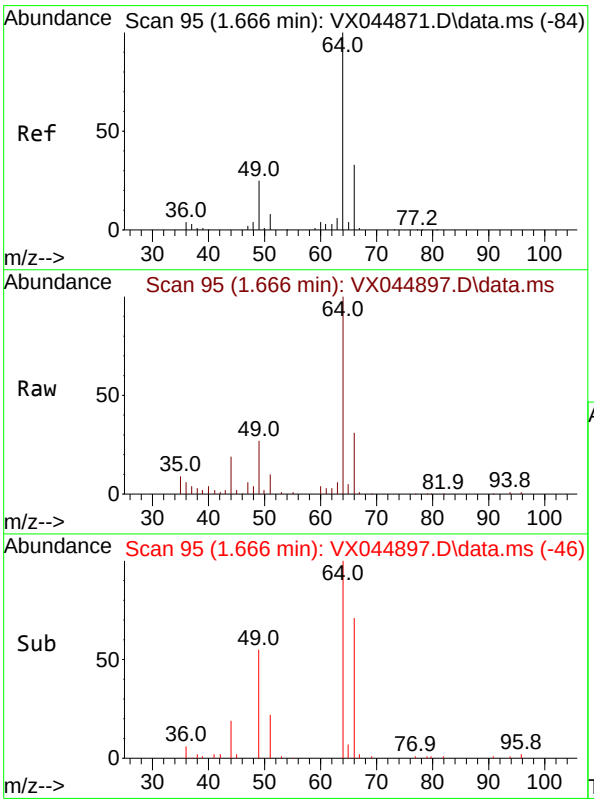
#5
Bromomethane
Concen: 20.114 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 94 Resp: 11587

Ion	Ratio	Lower	Upper
94	100		
96	90.6	71.6	107.4

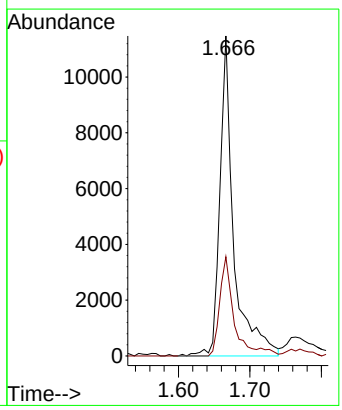


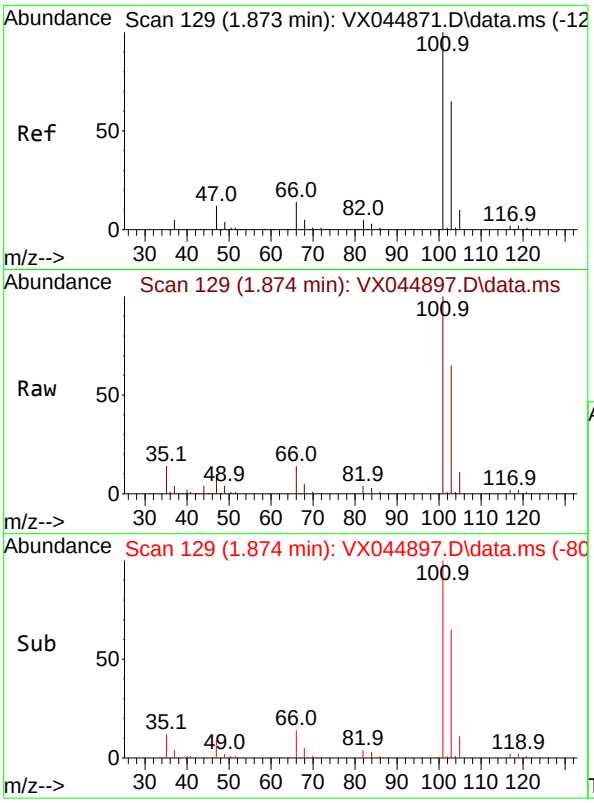


#6
Chloroethane
Concen: 18.945 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 64 Resp: 15397

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.9	38.9



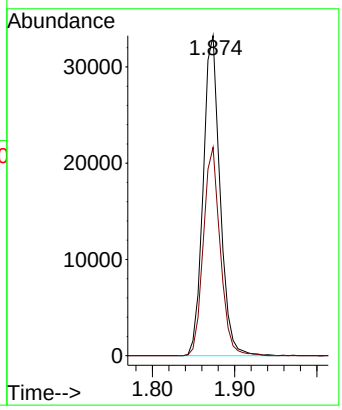


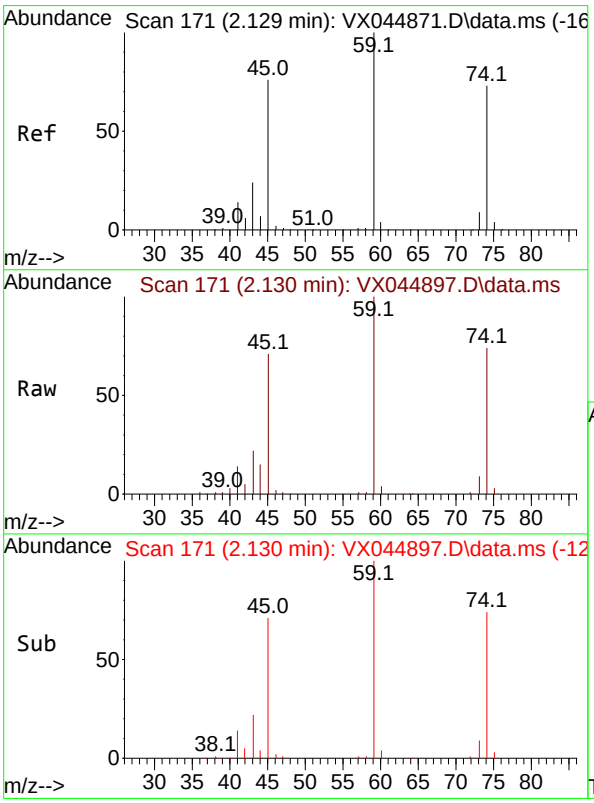
#7
Trichlorofluoromethane
Concen: 19.475 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:101 Resp: 47412

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.4	78.6

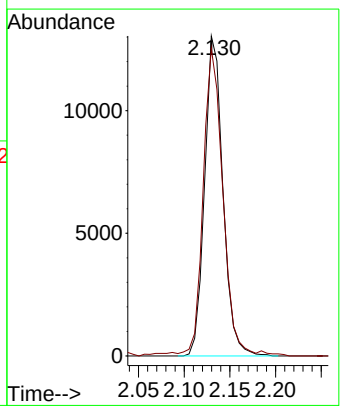


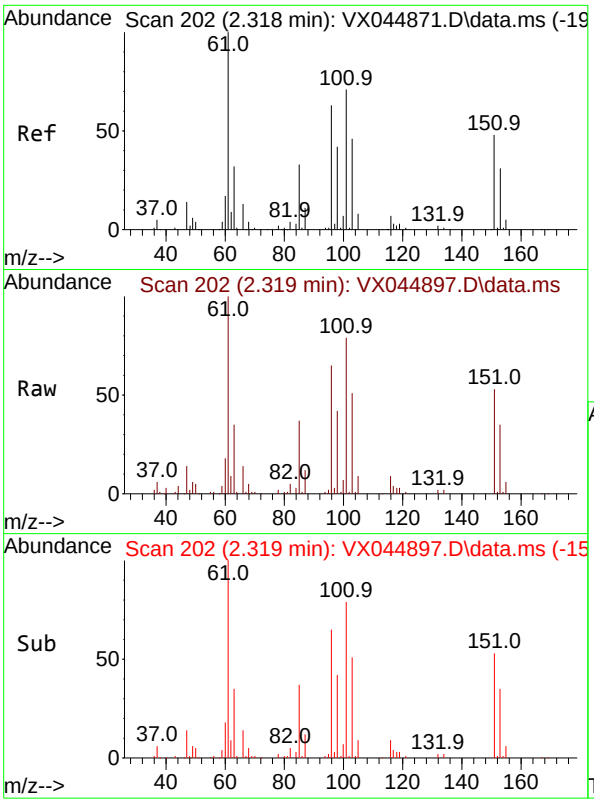


#8
Diethyl Ether
Concen: 20.567 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 74 Resp: 18158

Ion	Ratio	Lower	Upper
74	100		
45	104.6	51.1	153.4



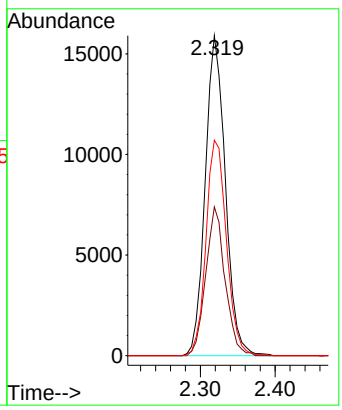


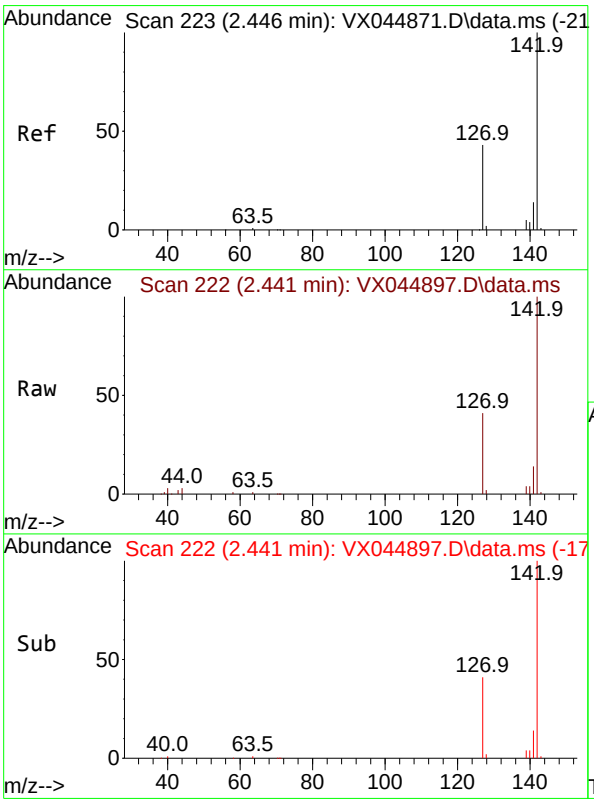
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.261 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:101 Resp: 29801

Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.7	53.5
151	68.4	56.0	84.0

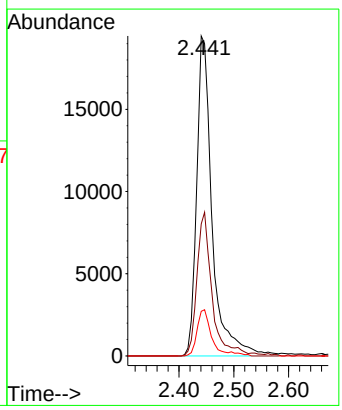


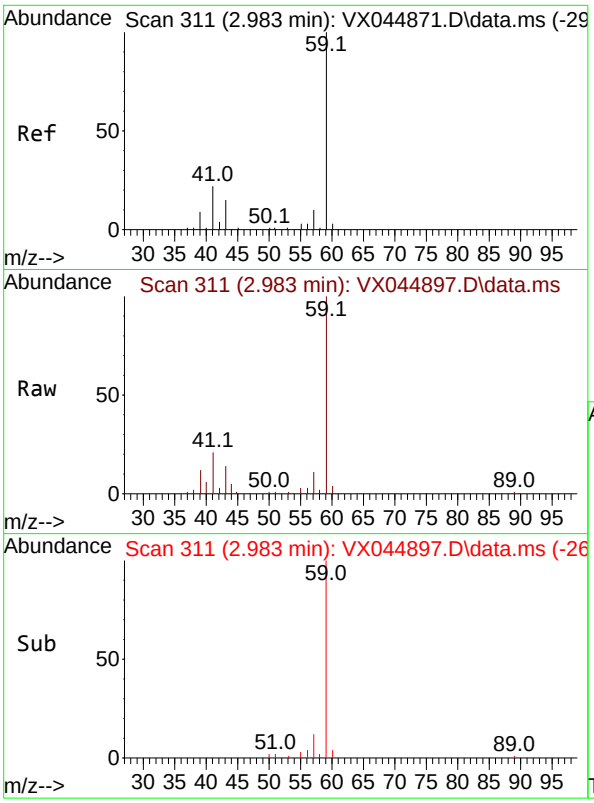


#10
Methyl Iodide
Concen: 20.149 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:142 Resp: 38410

Ion	Ratio	Lower	Upper
142	100		
127	43.8	34.3	51.5
141	13.7	11.4	17.2



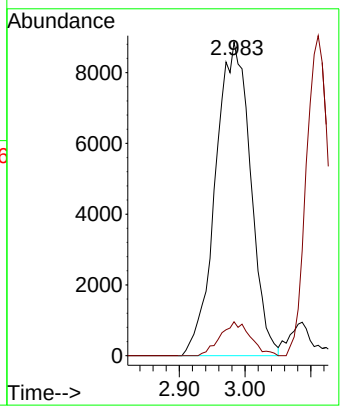


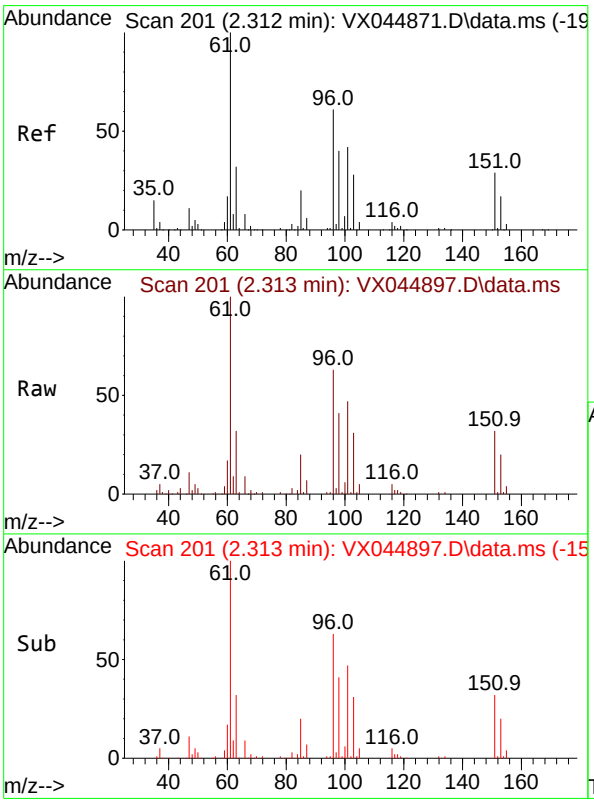
#11
Tert butyl alcohol
Concen: 103.851 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 59 Resp: 32829

Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.1	12.1

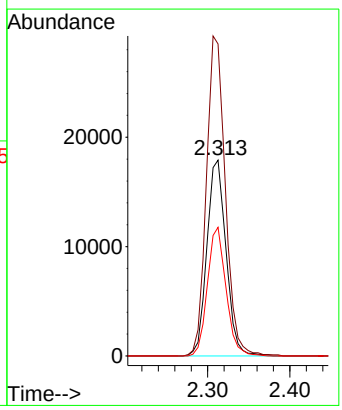


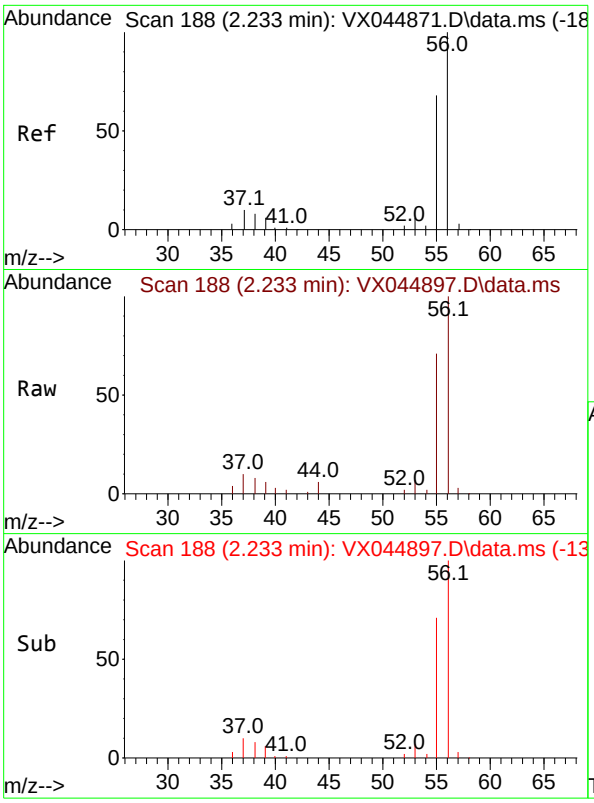


#12
1,1-Dichloroethene
Concen: 19.330 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 96 Resp: 29002

Ion	Ratio	Lower	Upper
96	100		
61	159.4	130.2	195.4
98	65.7	52.2	78.4



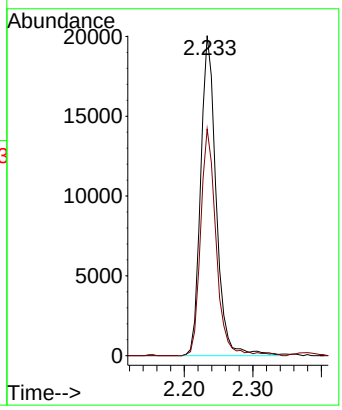


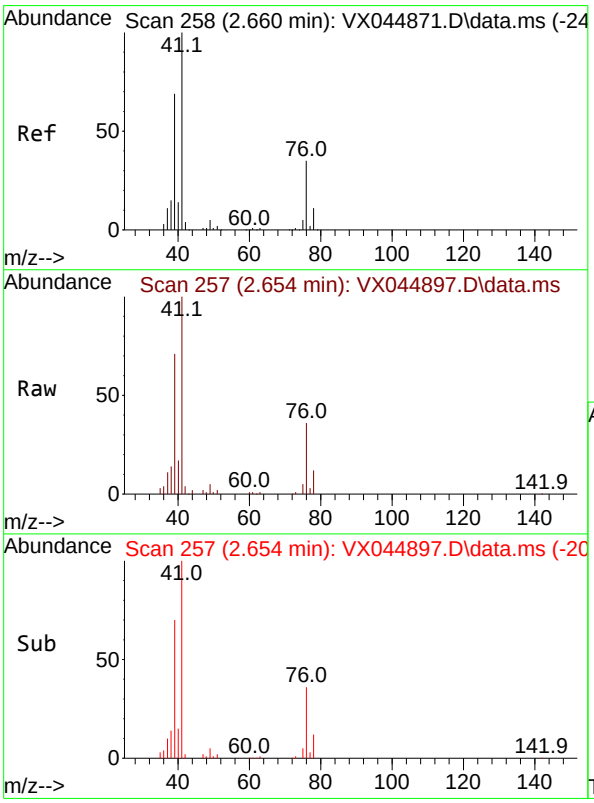
#13
Acrolein
Concen: 96.897 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 56 Resp: 31603

Ion	Ratio	Lower	Upper
56	100		
55	71.0	55.7	83.5

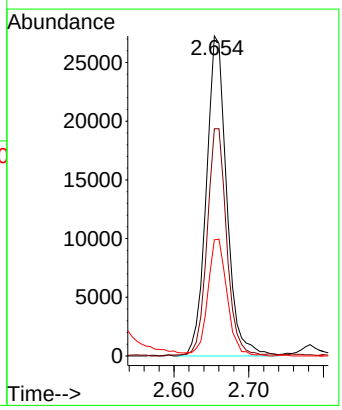


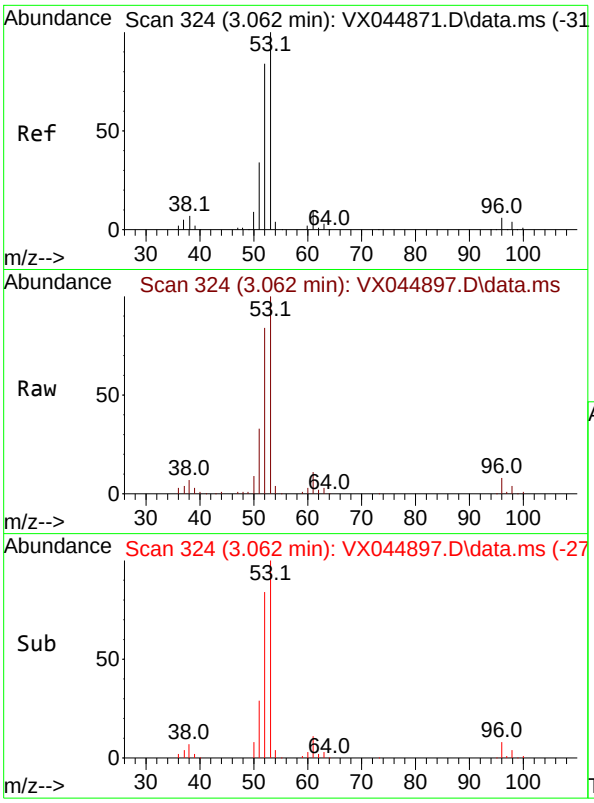


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 41 Resp: 51780

Ion	Ratio	Lower	Upper
41	100		
39	68.2	51.4	77.2
76	34.8	27.0	40.4



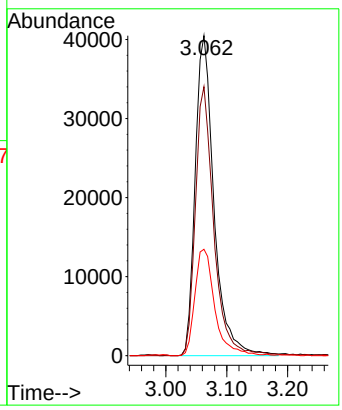


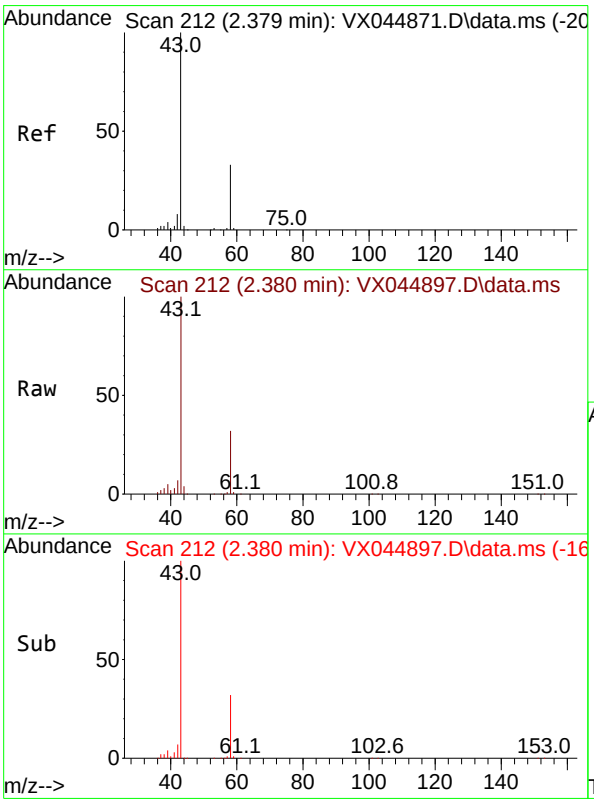
#15
Acrylonitrile
Concen: 102.915 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 53 Resp: 86862

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.3	28.0	42.0

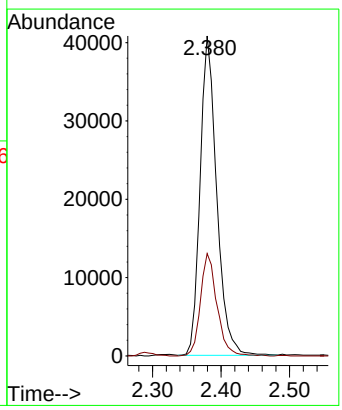


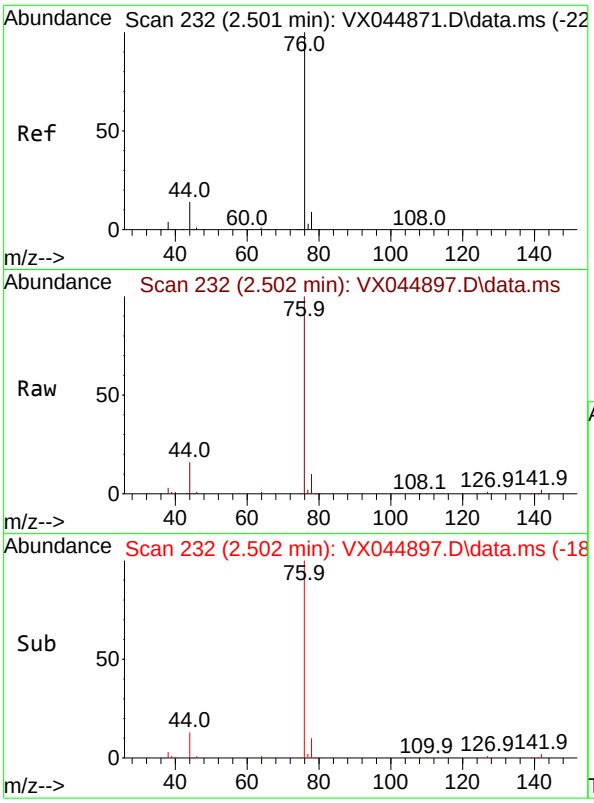


#16
Acetone
Concen: 100.366 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 68752

Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.5	39.7



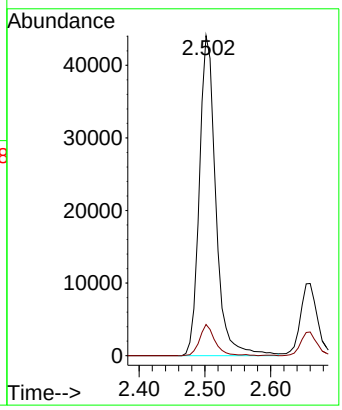


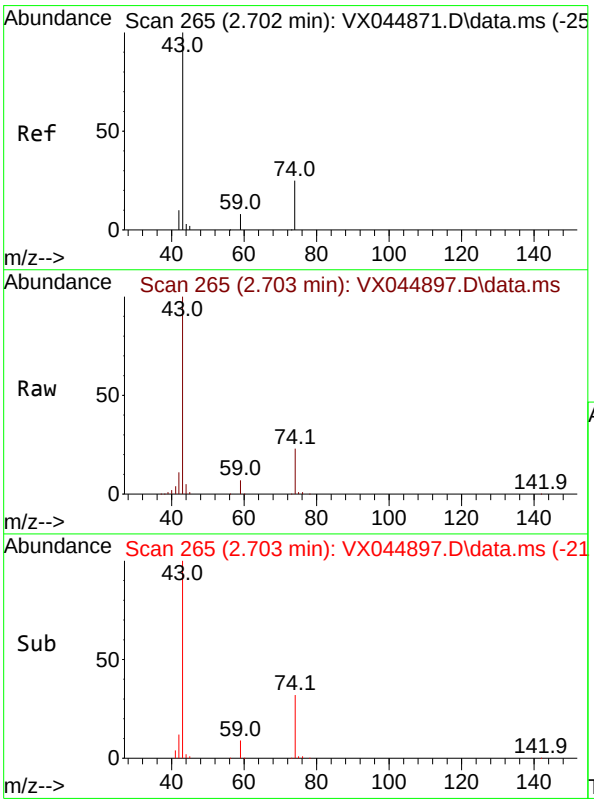
#17
Carbon Disulfide
Concen: 18.631 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 76 Resp: 76655

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.4

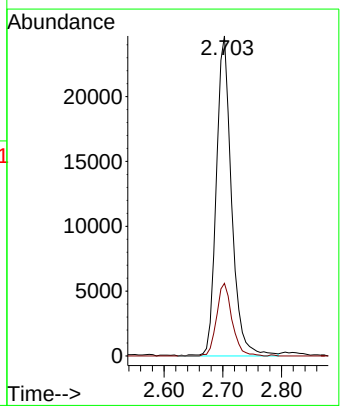


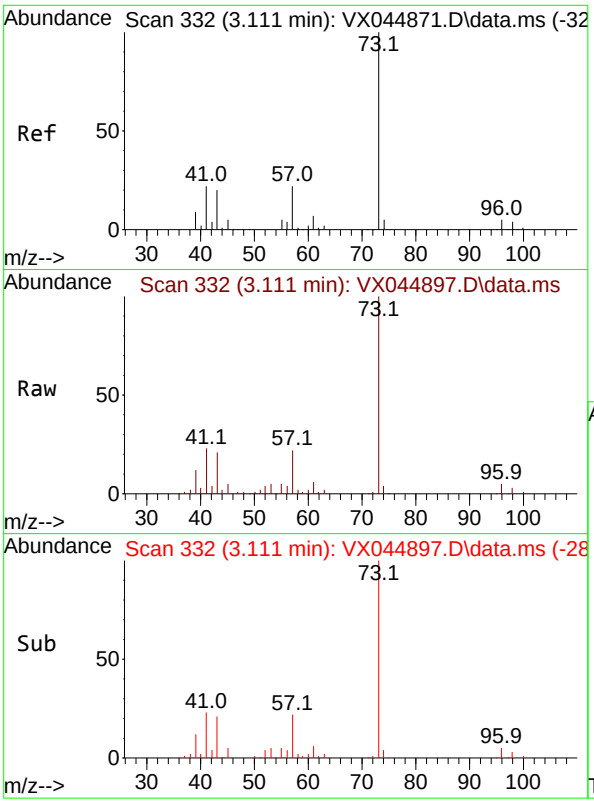


#18
Methyl Acetate
Concen: 20.527 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 44373

Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.9	28.3



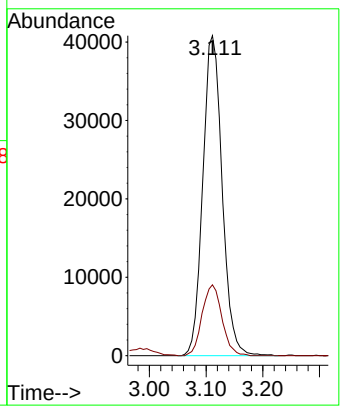


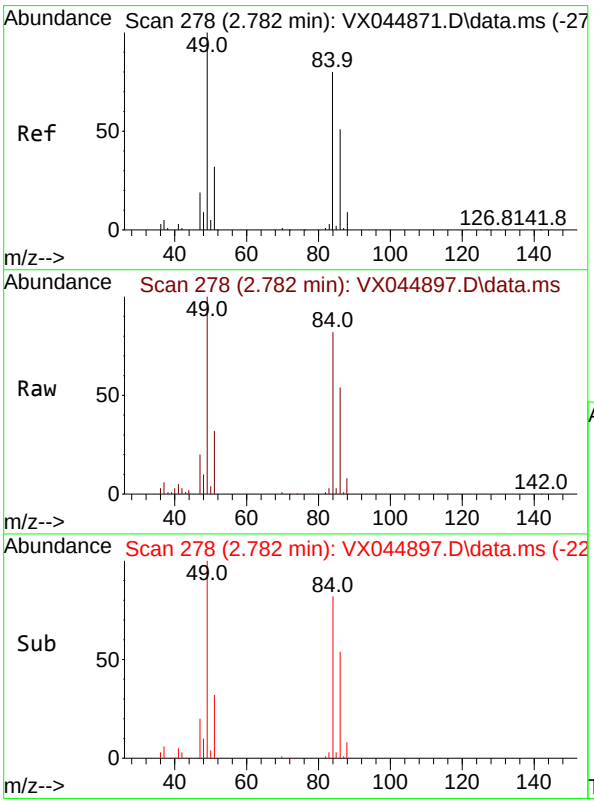
#19
Methyl tert-butyl Ether
Concen: 20.246 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 73 Resp: 96651

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

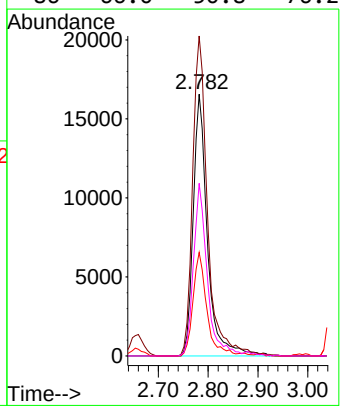


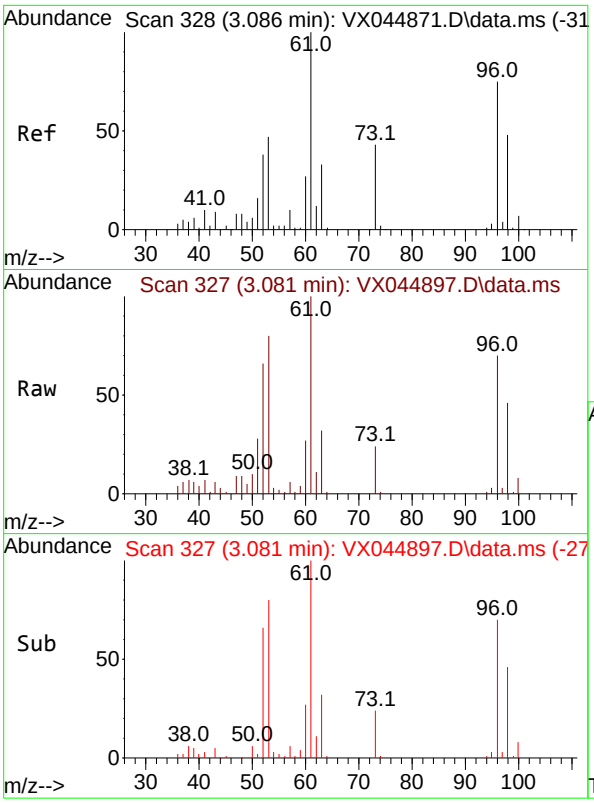


#20
Methylene Chloride
Concen: 19.594 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 84 Resp: 32877

Ion	Ratio	Lower	Upper
84	100		
49	122.3	100.1	150.1
51	39.6	31.7	47.5
86	66.0	50.8	76.2



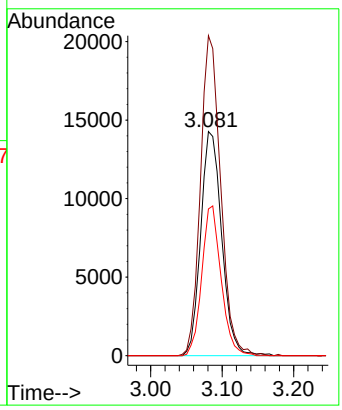


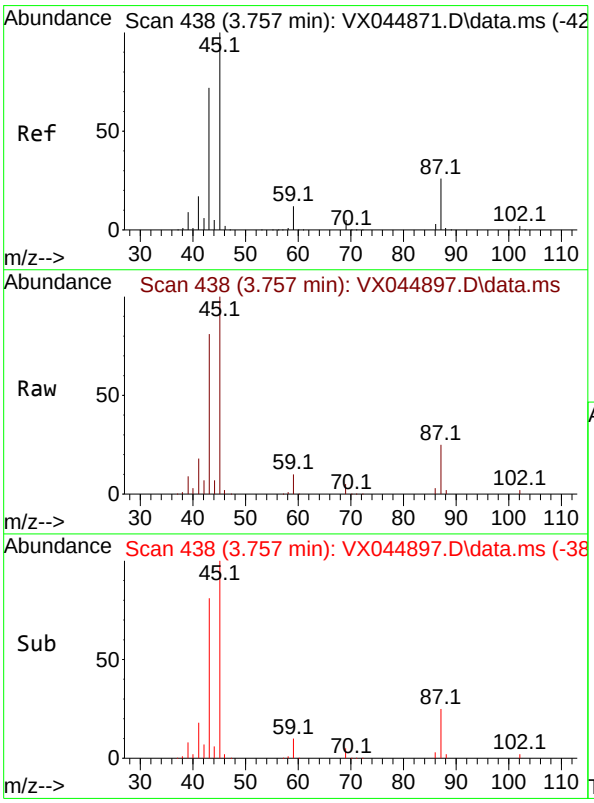
#21
trans-1,2-Dichloroethene
Concen: 19.676 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 96 Resp: 29055

Ion	Ratio	Lower	Upper
96	100		
61	142.7	106.0	159.0
98	65.5	50.6	76.0

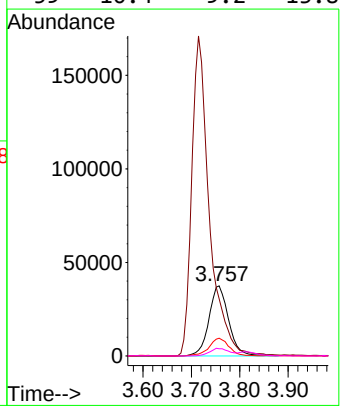


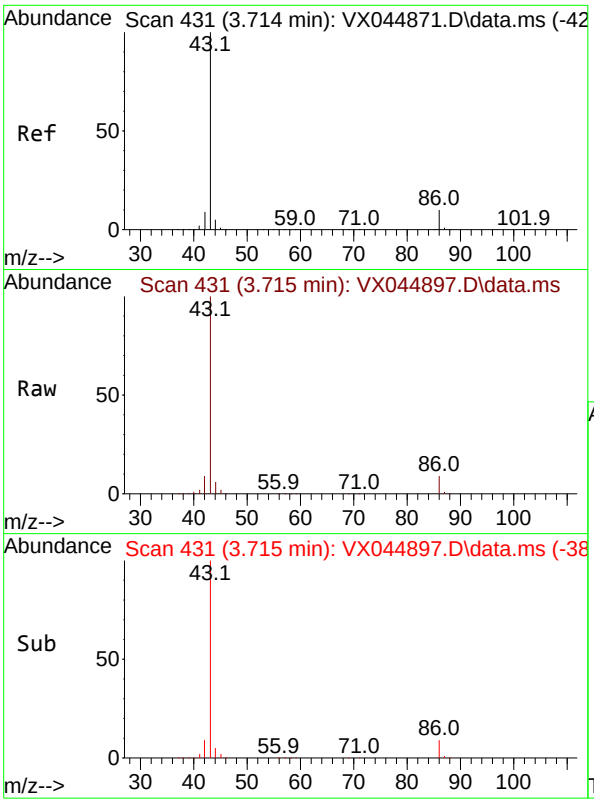


#22
Diisopropyl ether
Concen: 20.627 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 45 Resp: 105816

Ion	Ratio	Lower	Upper
45	100		
43	81.0	58.0	87.0
87	25.4	20.7	31.1
59	10.4	9.2	13.8



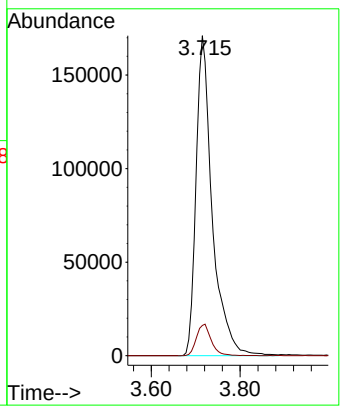


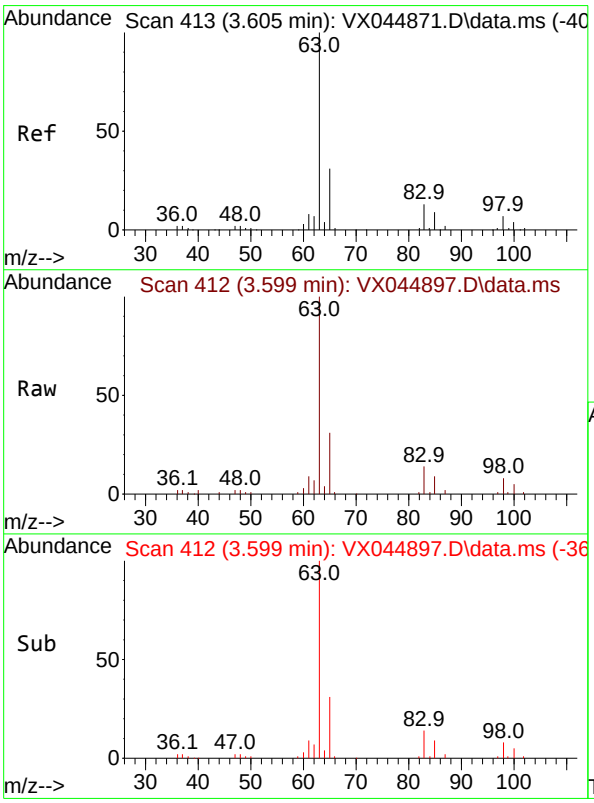
#23
Vinyl Acetate
Concen: 103.656 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 43 Resp: 433511

Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.3	12.5

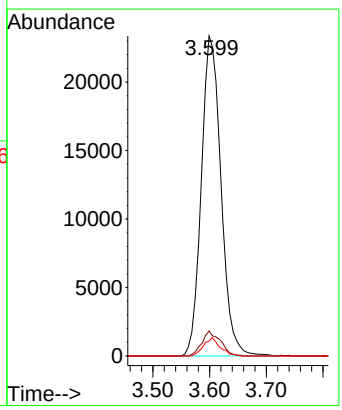


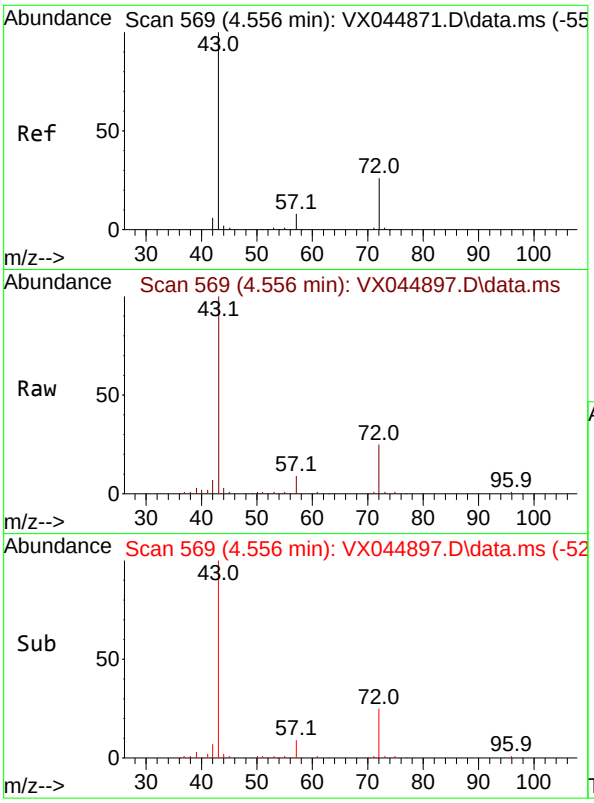


#24
1,1-Dichloroethane
Concen: 19.635 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 63 Resp: 56359

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.3	9.9
100	4.6	2.1	6.5



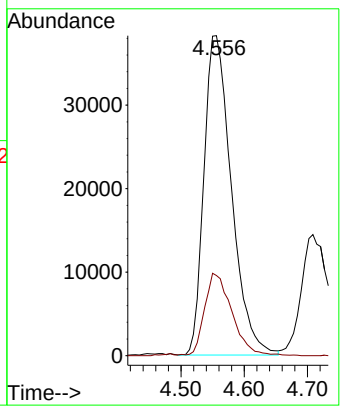


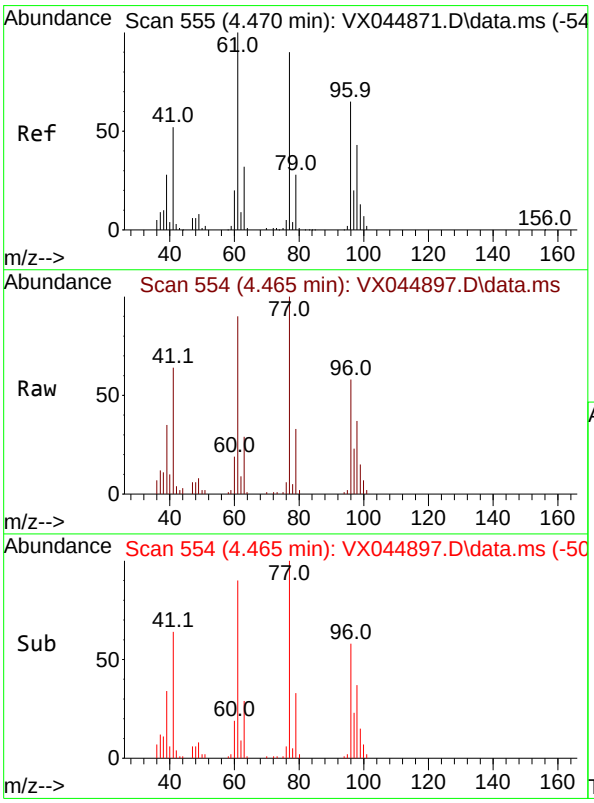
#25
2-Butanone
Concen: 103.966 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 43 Resp: 115645

Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.2	31.8

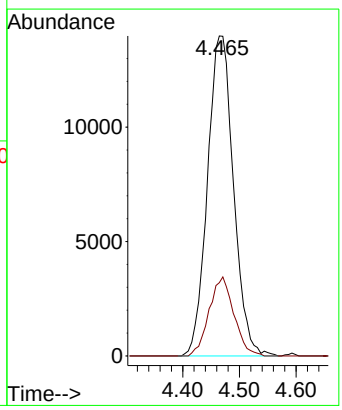


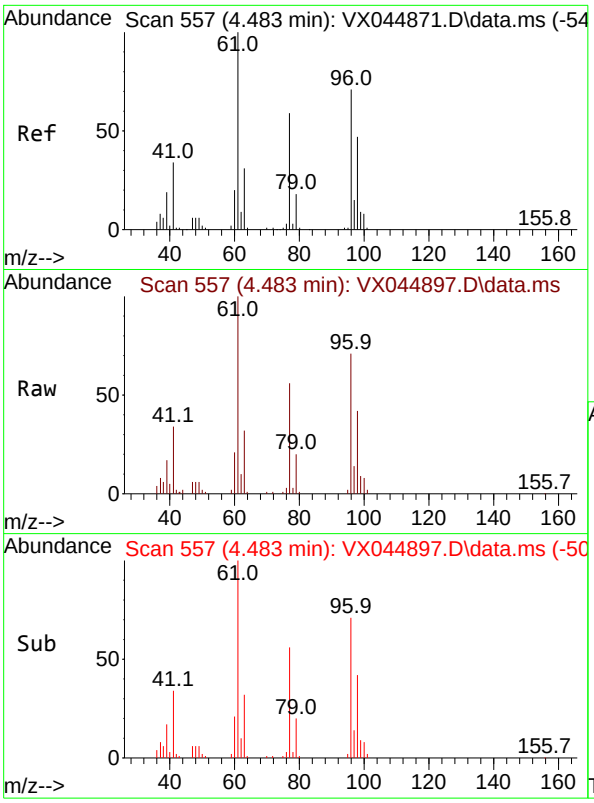


#26
2,2-Dichloropropane
Concen: 19.590 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 77 Resp: 44593

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.8	35.3



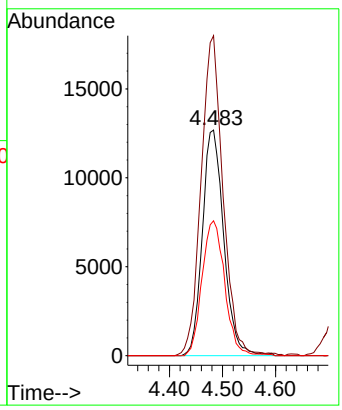


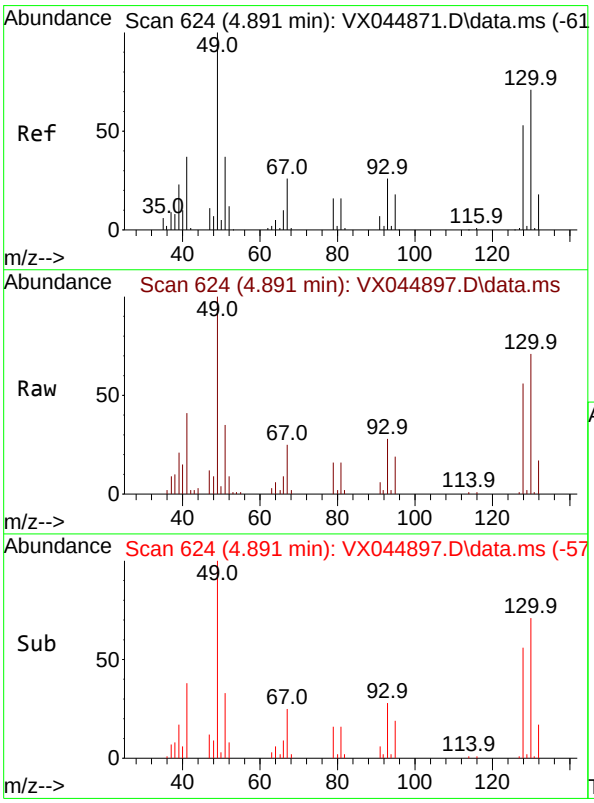
#27
cis-1,2-Dichloroethene
Concen: 20.041 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 96 Resp: 35548

Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	294.0
98	63.4	0.0	131.2

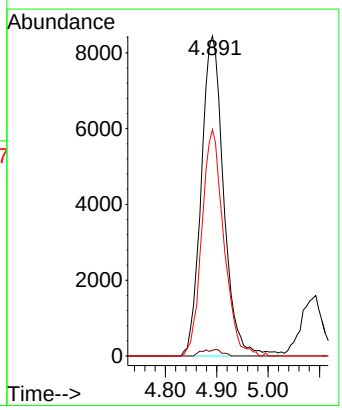


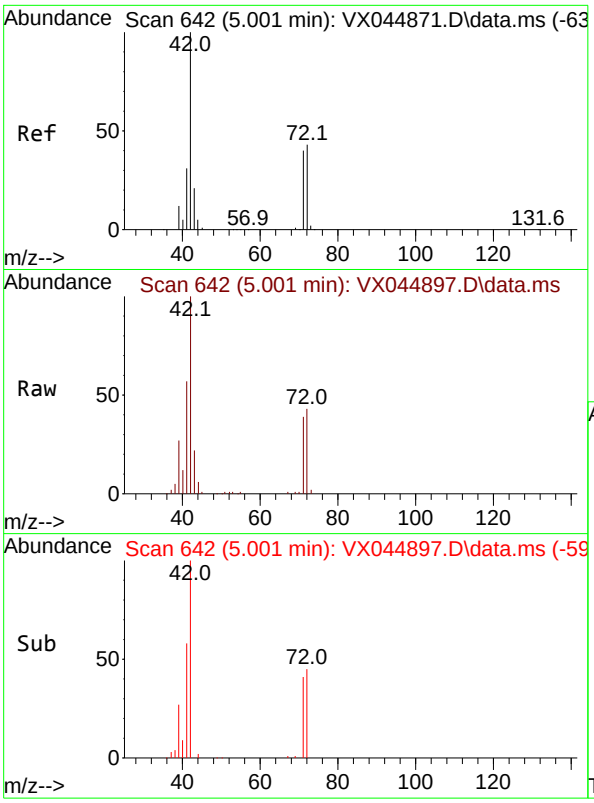


#28
Bromochloromethane
Concen: 18.515 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 49 Resp: 25541

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.2	56.7	85.1



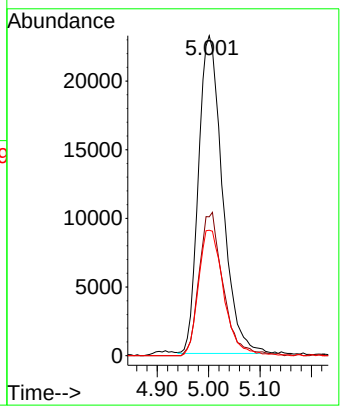


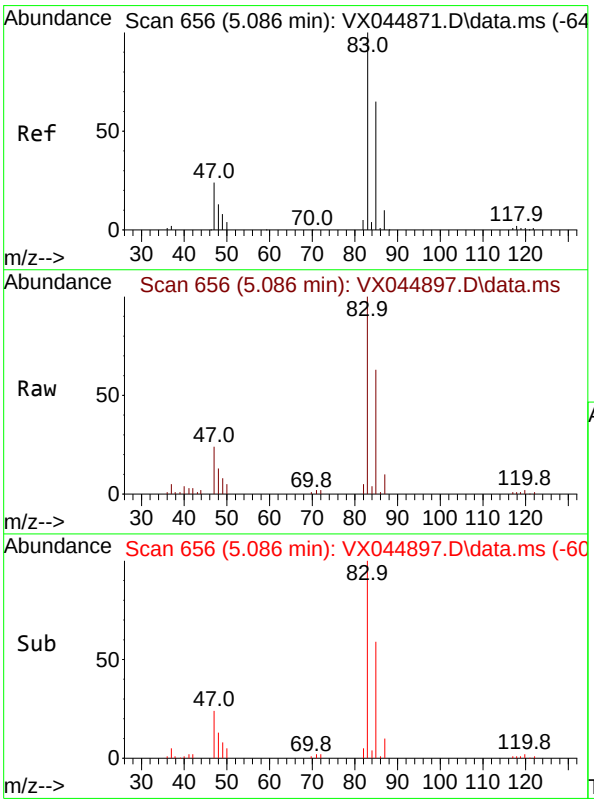
#29
Tetrahydrofuran
Concen: 101.711 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 42 Resp: 75125

Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.0	52.4
71	41.5	32.6	48.8

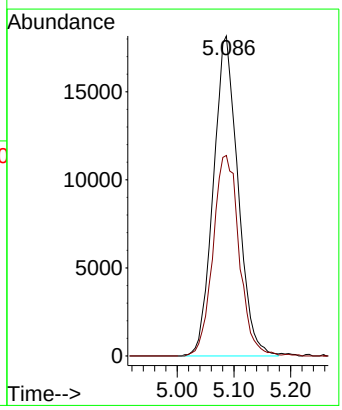


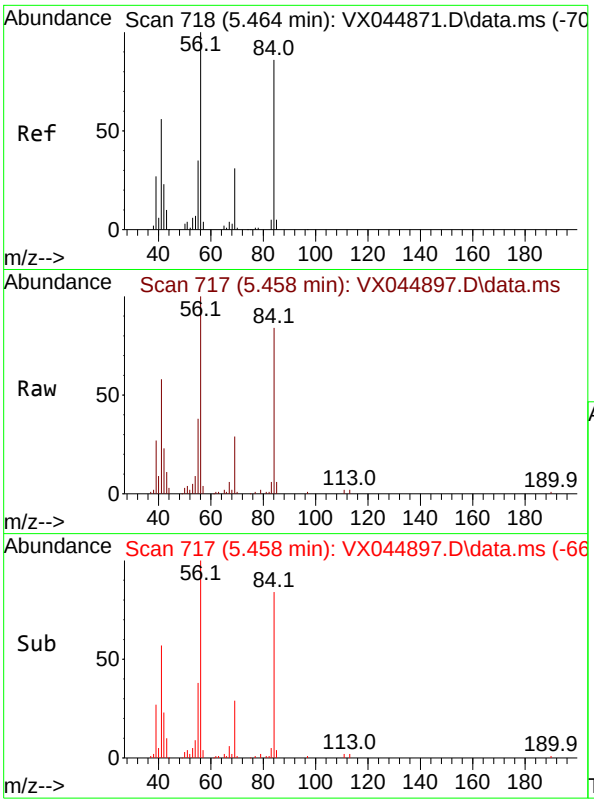


#30
Chloroform
Concen: 19.660 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 83 Resp: 54727

Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.1	78.1



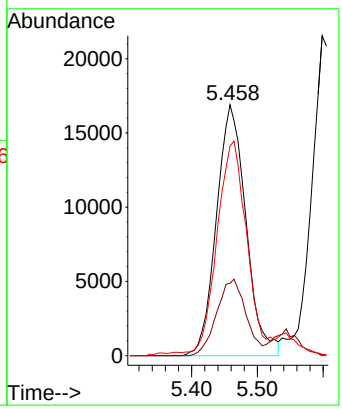


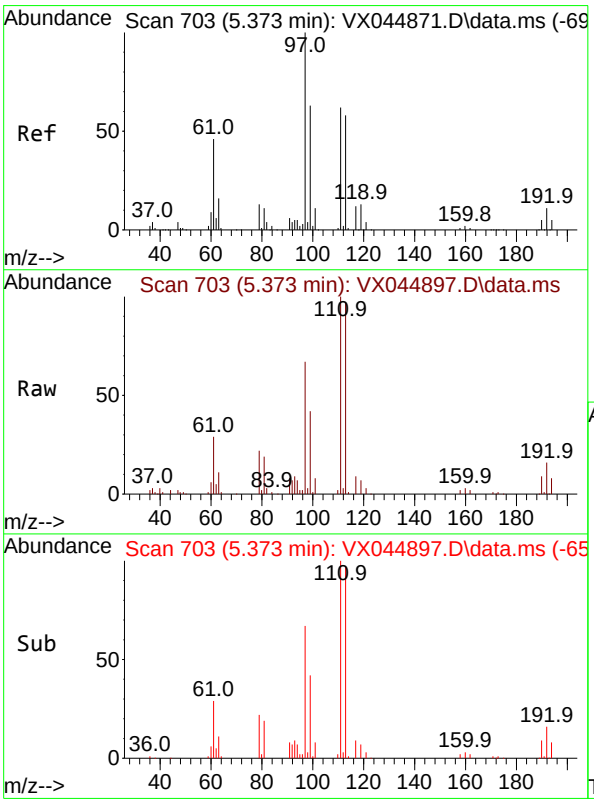
#31
Cyclohexane
Concen: 19.969 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 56 Resp: 52843

Ion	Ratio	Lower	Upper
56	100		
69	28.9	24.4	36.6
84	82.2	69.0	103.6

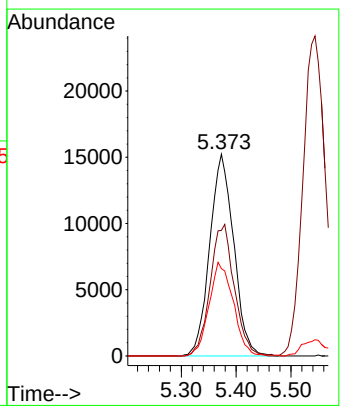


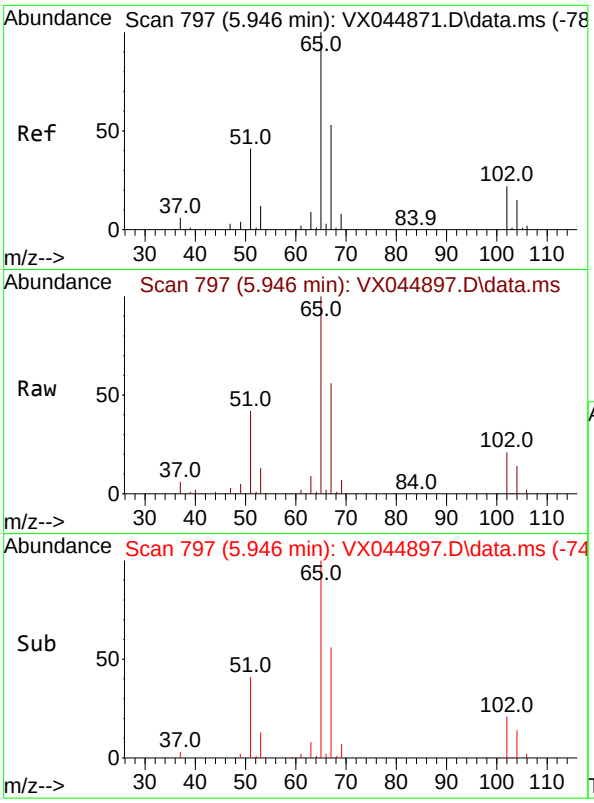


#32
1,1,1-Trichloroethane
Concen: 19.624 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 97 Resp: 46336

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.0	76.6
61	46.9	36.6	55.0



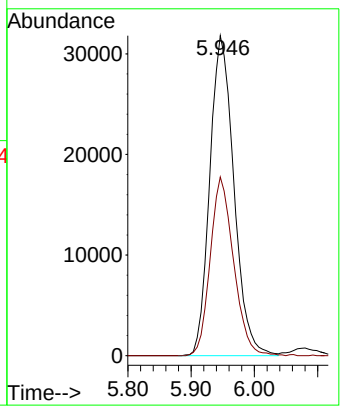


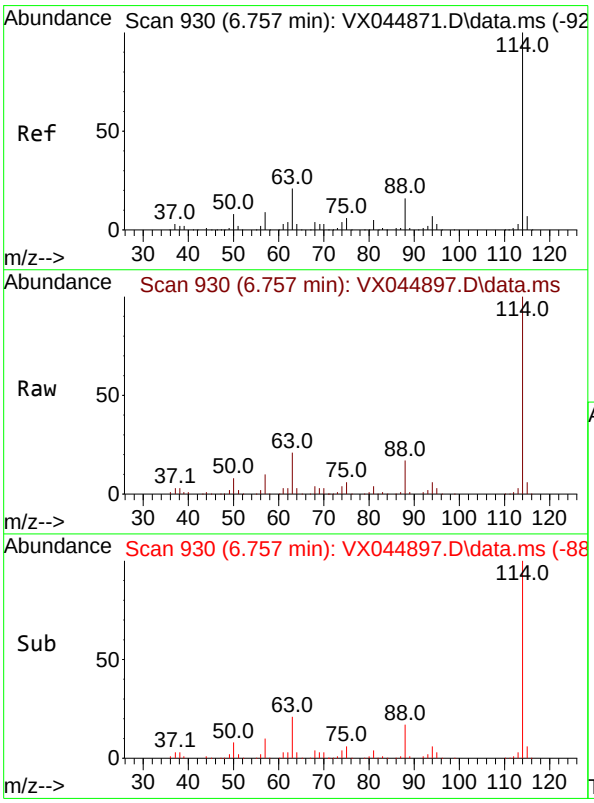
#33
1,2-Dichloroethane-d4
Concen: 49.388 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 65 Resp: 84156

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	108.2

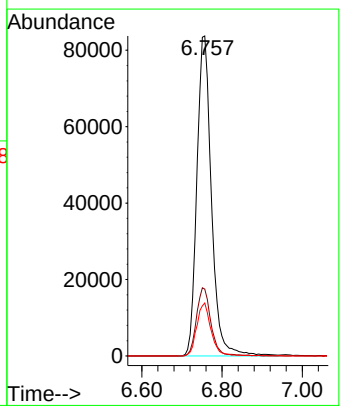


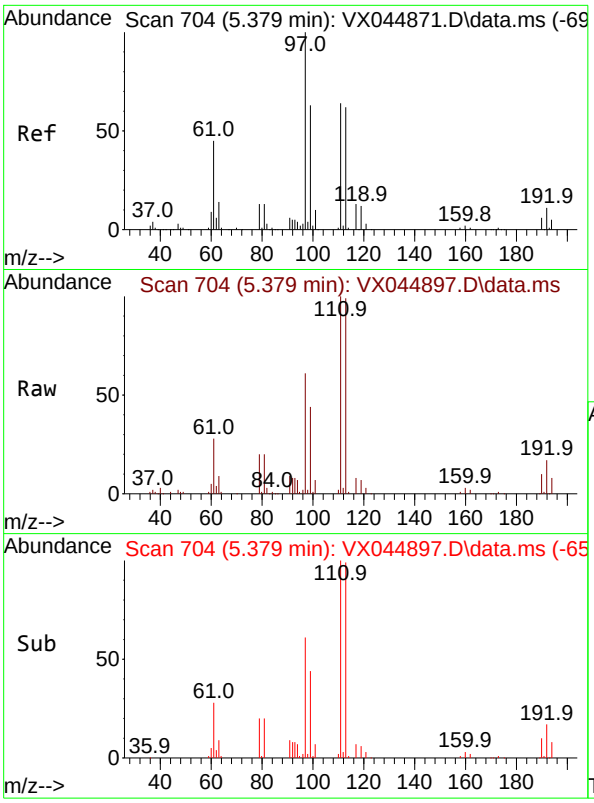


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:114 Resp: 211404

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.4
88	16.6	0.0	31.4



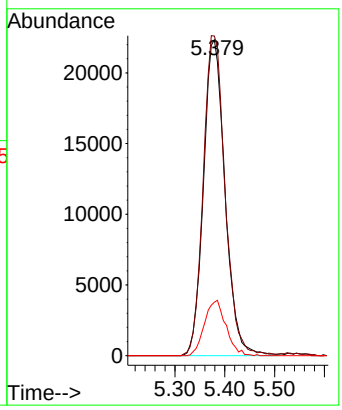


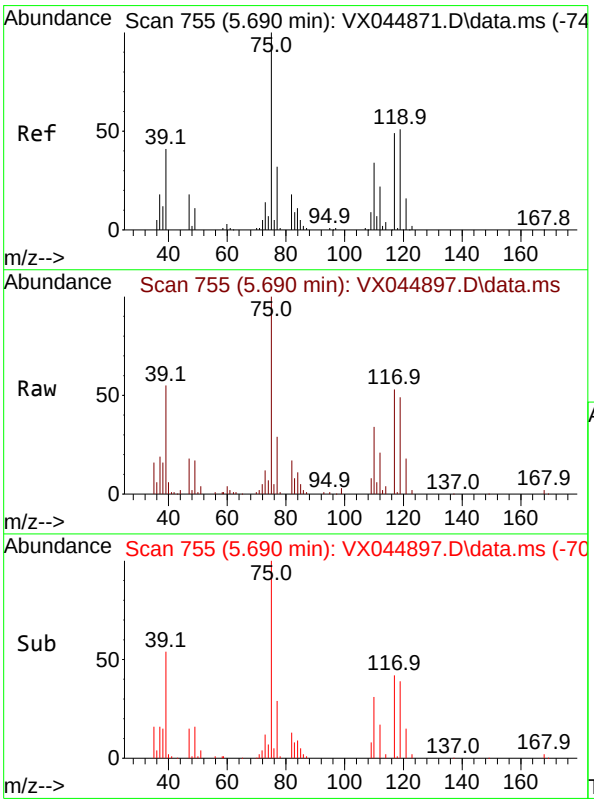
#35
Dibromofluoromethane
Concen: 48.805 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:113 Resp: 67081

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.5	125.3
192	17.4	14.4	21.6

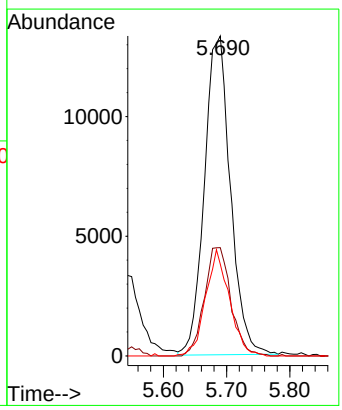


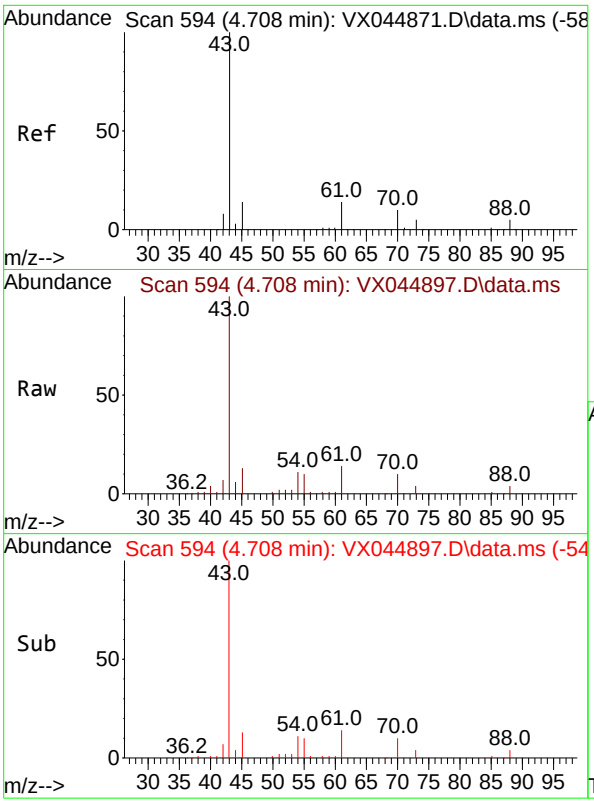


#36
1,1-Dichloropropene
Concen: 19.226 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 75 Resp: 38126

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.2	51.6
77	30.6	24.6	37.0



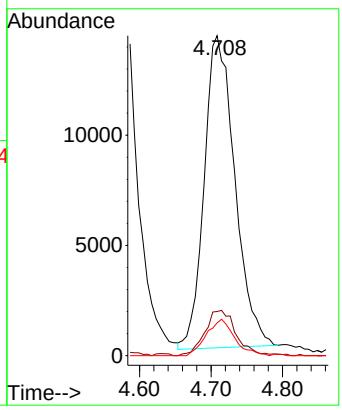


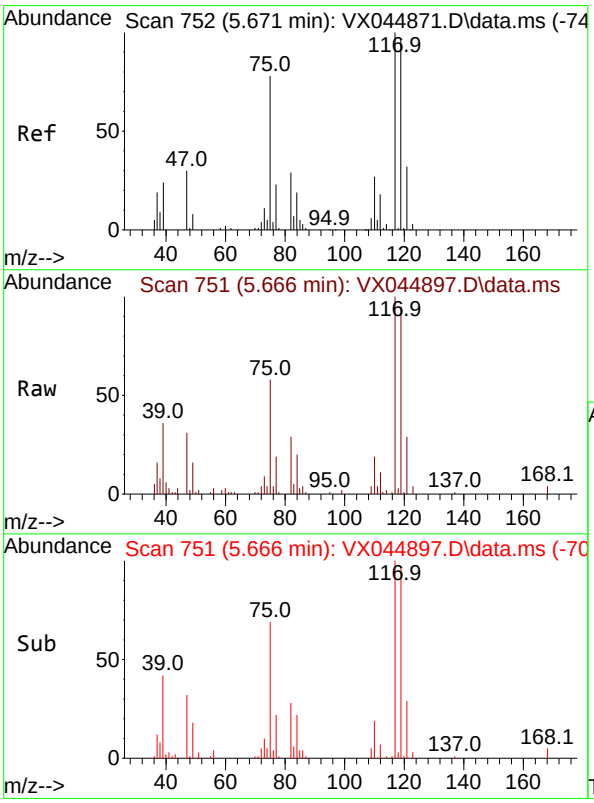
#37
Ethyl Acetate
Concen: 19.128 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 43 Resp: 42191

Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.0	16.4
70	10.7	8.2	12.2

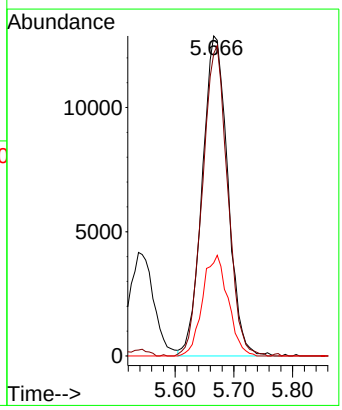


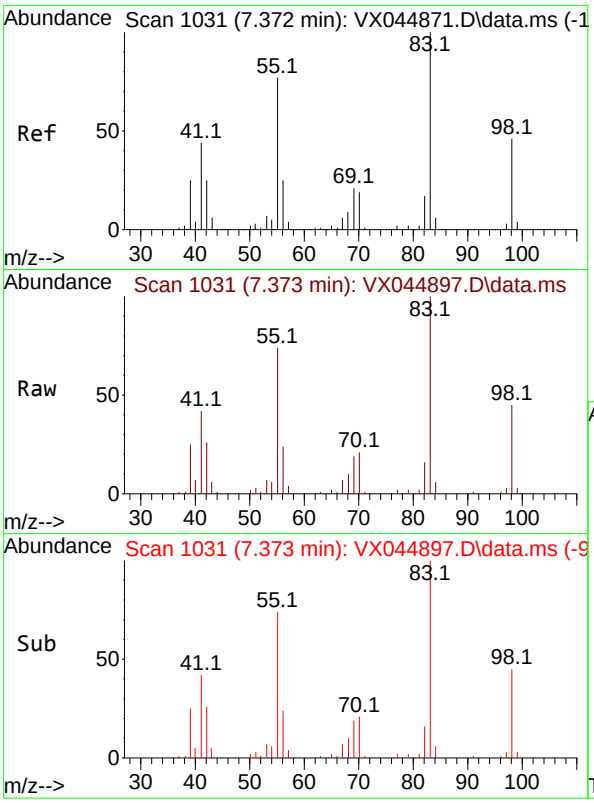


#38
Carbon Tetrachloride
Concen: 19.985 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:117 Resp: 38835

Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.5	116.3
121	29.1	25.6	38.4



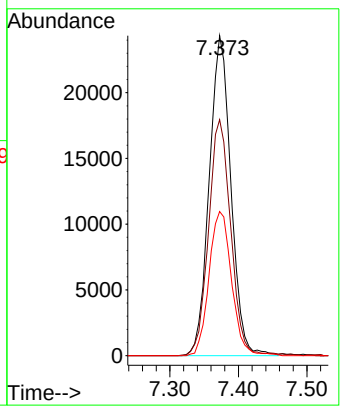


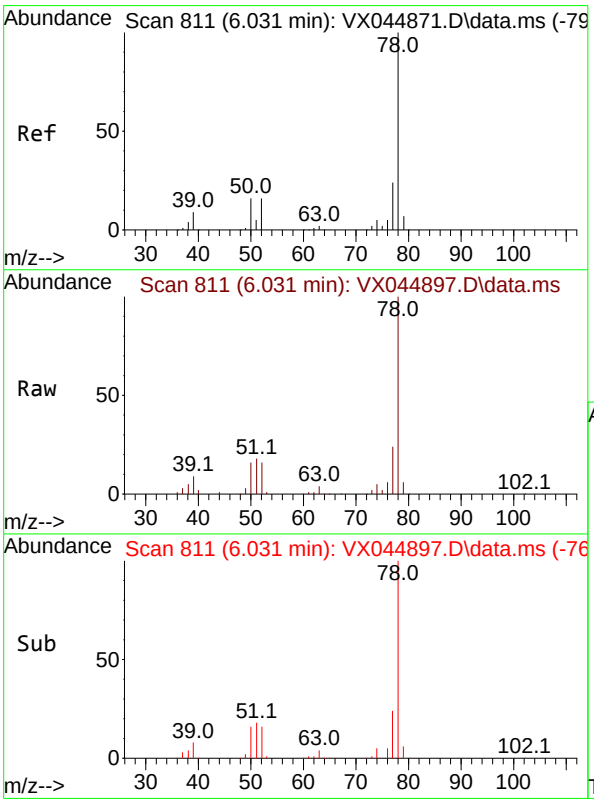
#39
Methylcyclohexane
Concen: 20.842 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 83 Resp: 53434

Ion	Ratio	Lower	Upper
83	100		
55	73.8	61.3	91.9
98	45.1	37.0	55.6

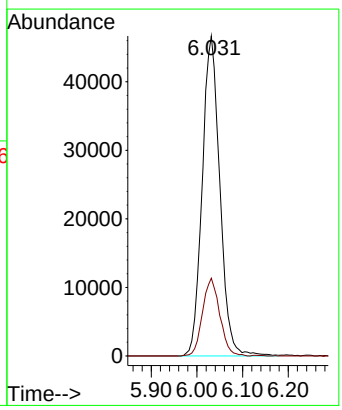


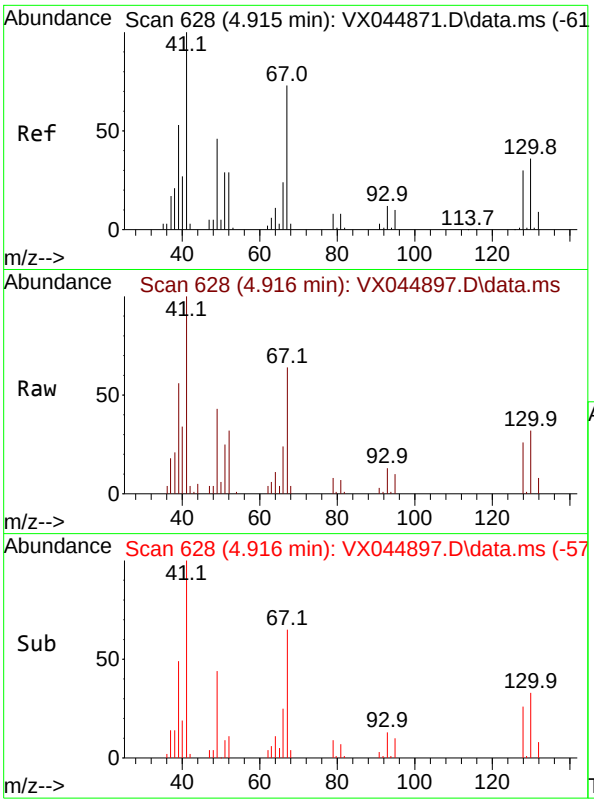


#40
Benzene
Concen: 20.215 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 78 Resp: 125170

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6



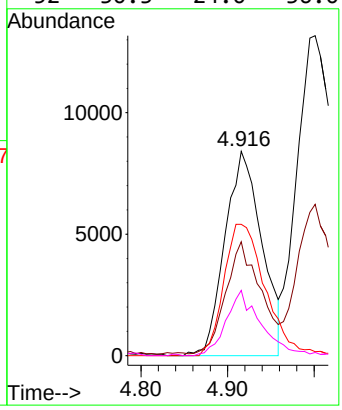


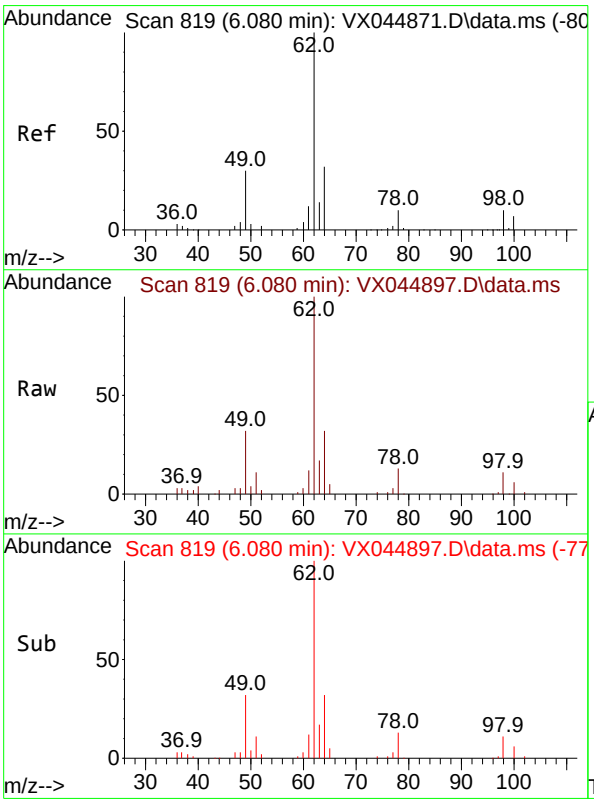
#41
Methacrylonitrile
Concen: 21.092 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 41 Resp: 24902

Ion	Ratio	Lower	Upper
41	100		
39	51.5	43.1	64.7
67	72.7	57.0	85.6
52	30.3	24.0	36.0

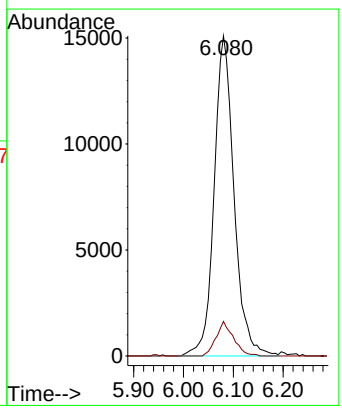


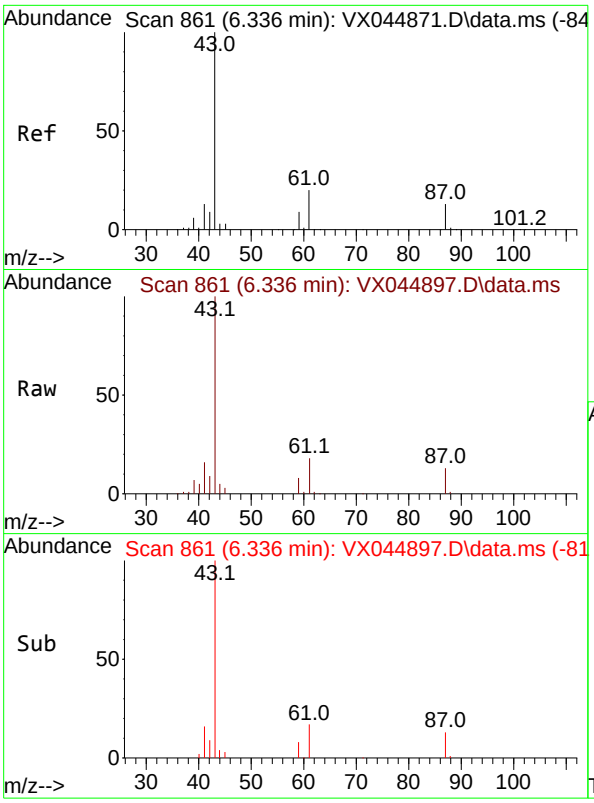


#42
1,2-Dichloroethane
Concen: 21.196 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 62 Resp: 41830

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4



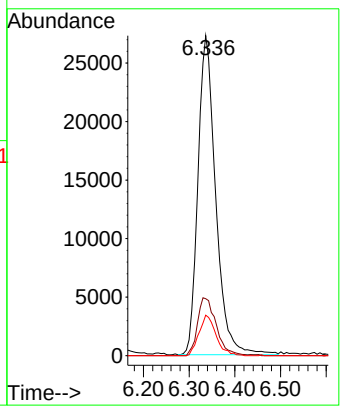


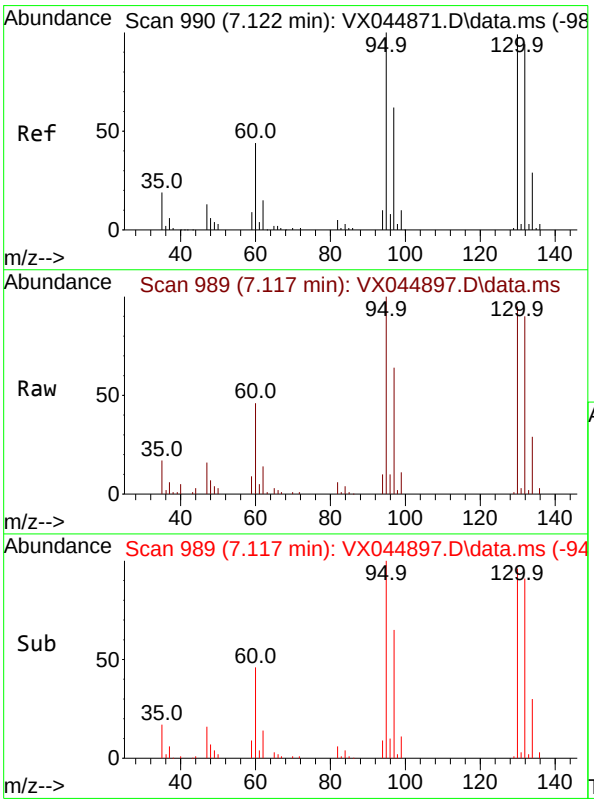
#43
Isopropyl Acetate
Concen: 20.673 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 43 Resp: 73633

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.8	23.8
87	12.2	10.0	15.0

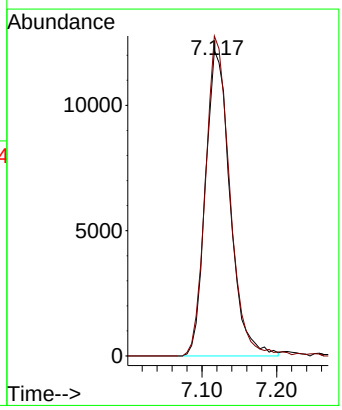


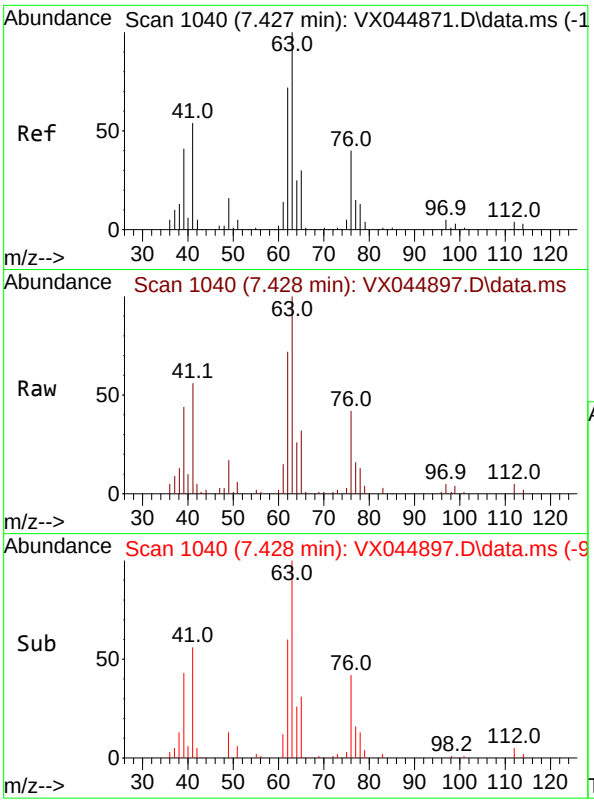


#44
Trichloroethene
Concen: 19.717 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:130 Resp: 27907

Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	202.4



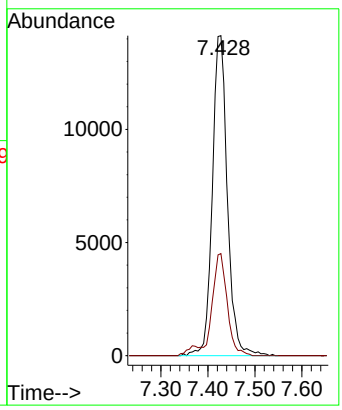


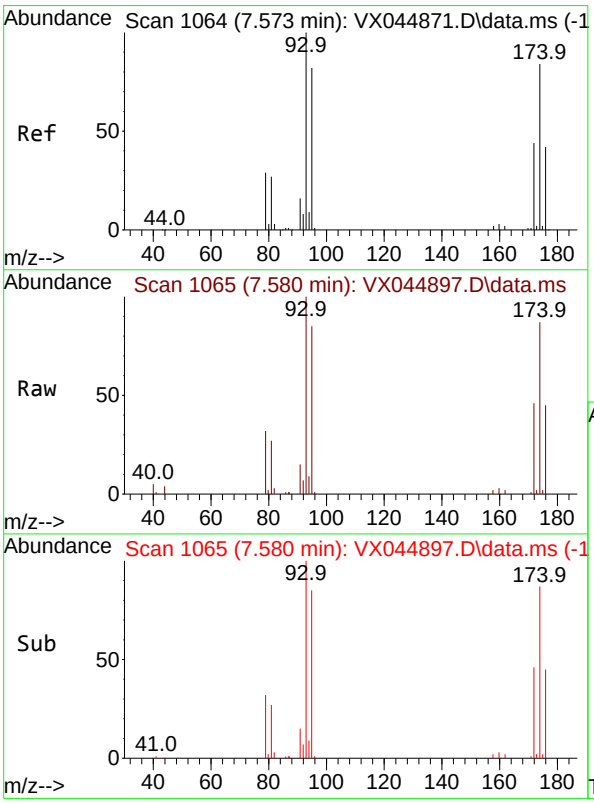
#45
1,2-Dichloropropane
Concen: 20.358 ug/l
RT: 7.428 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 63 Resp: 31362

Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.2	36.4

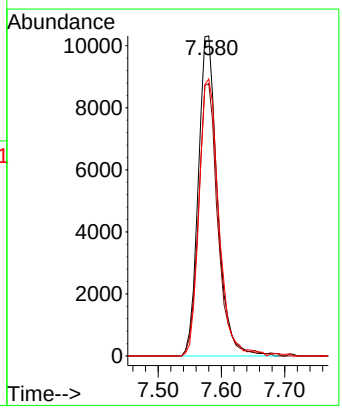


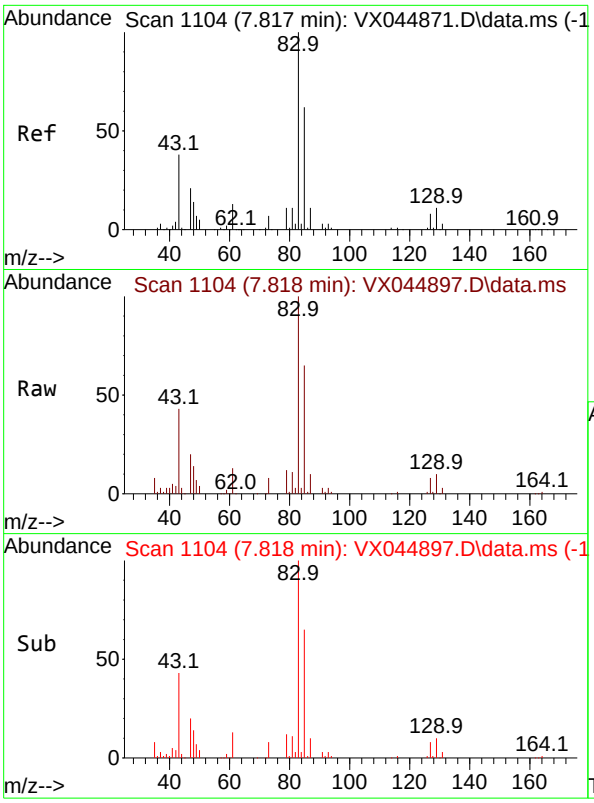


#46
Dibromomethane
Concen: 20.340 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 93 Resp: 21730

Ion	Ratio	Lower	Upper
93	100		
95	85.6	66.2	99.4
174	89.2	69.9	104.9



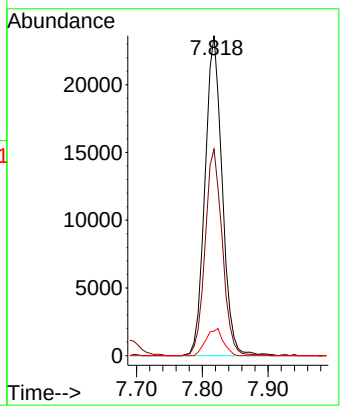


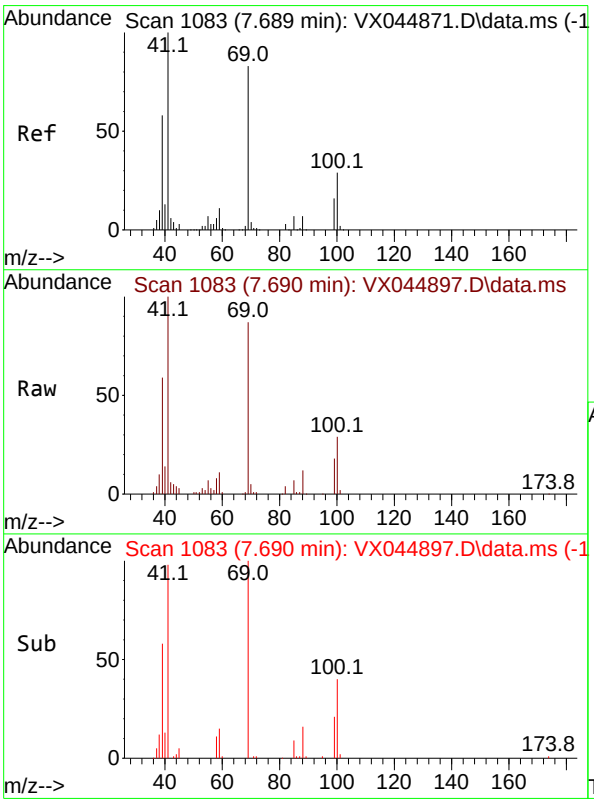
#47
Bromodichloromethane
Concen: 20.786 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 83 Resp: 42998

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.0	75.0
127	7.7	6.4	9.6

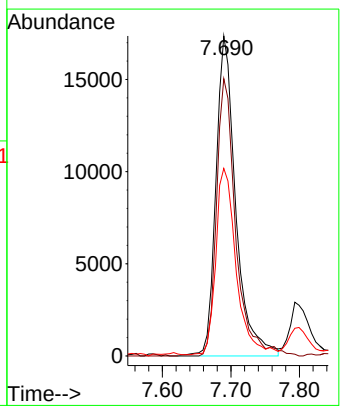


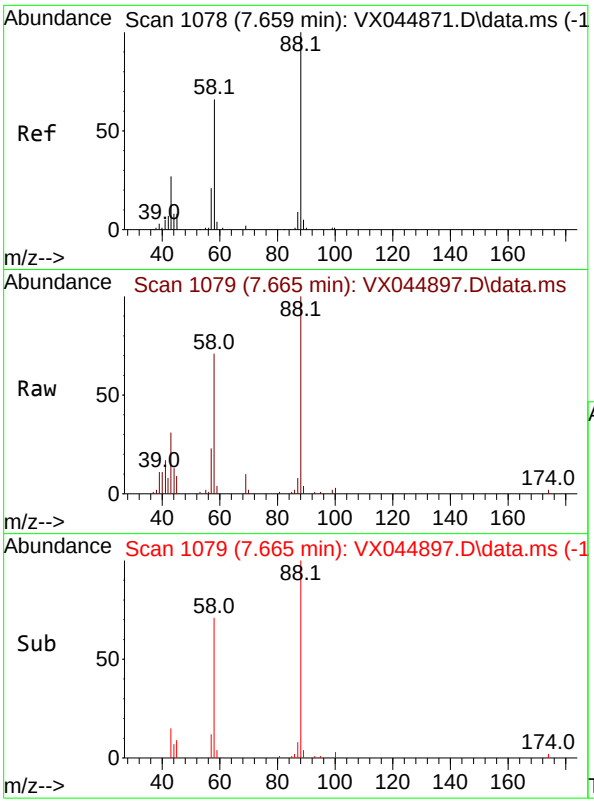


#48
Methyl methacrylate
Concen: 20.774 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 41 Resp: 34888

Ion	Ratio	Lower	Upper
41	100		
69	83.8	65.8	98.8
39	59.9	46.4	69.6



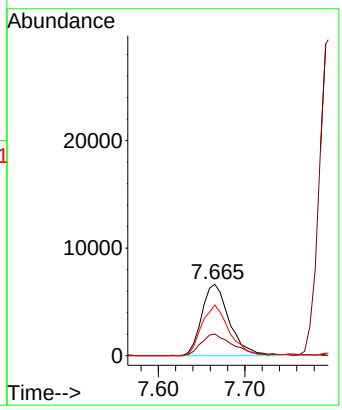


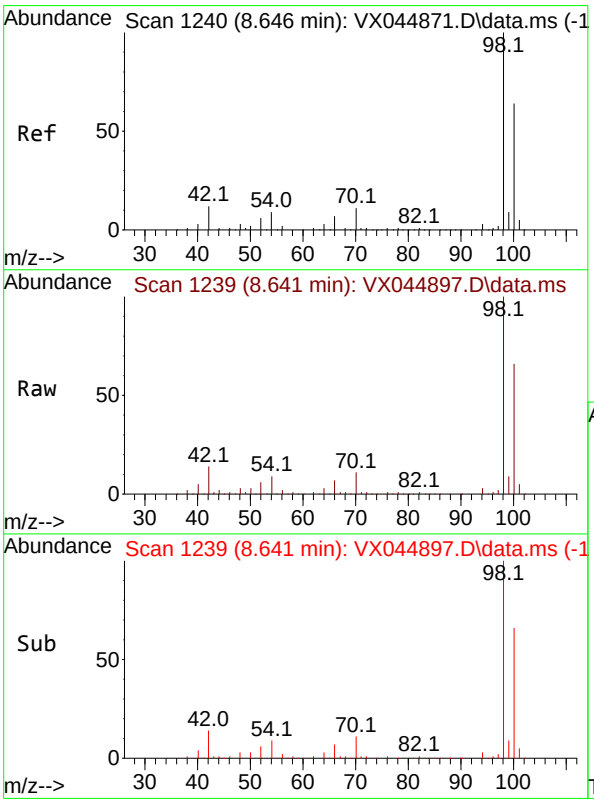
#49
1,4-Dioxane
Concen: 407.387 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 88 Resp: 14679

Ion	Ratio	Lower	Upper
88	100		
43	35.1	26.6	39.8
58	70.5	55.9	83.9

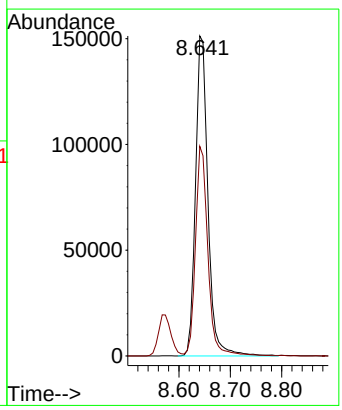


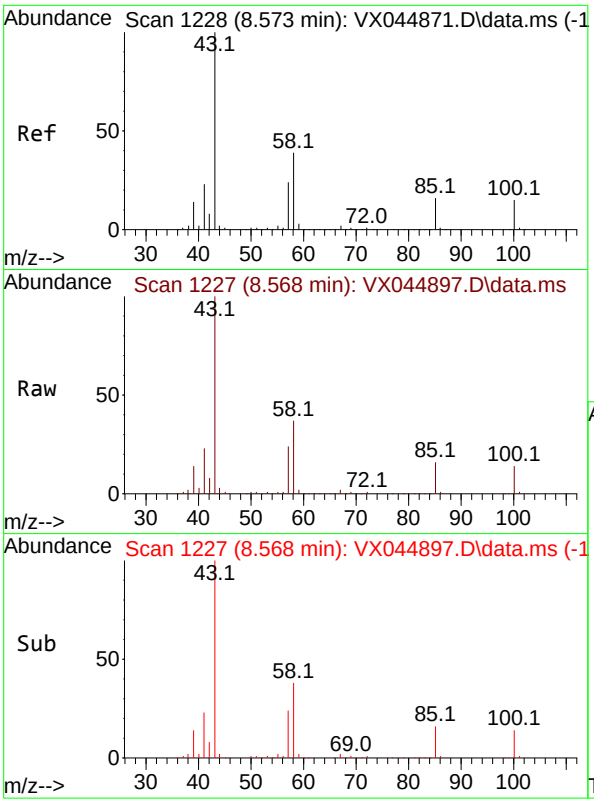


#50
Toluene-d8
Concen: 49.019 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 98 Resp: 254774

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1



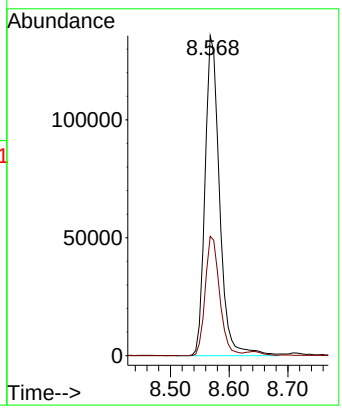


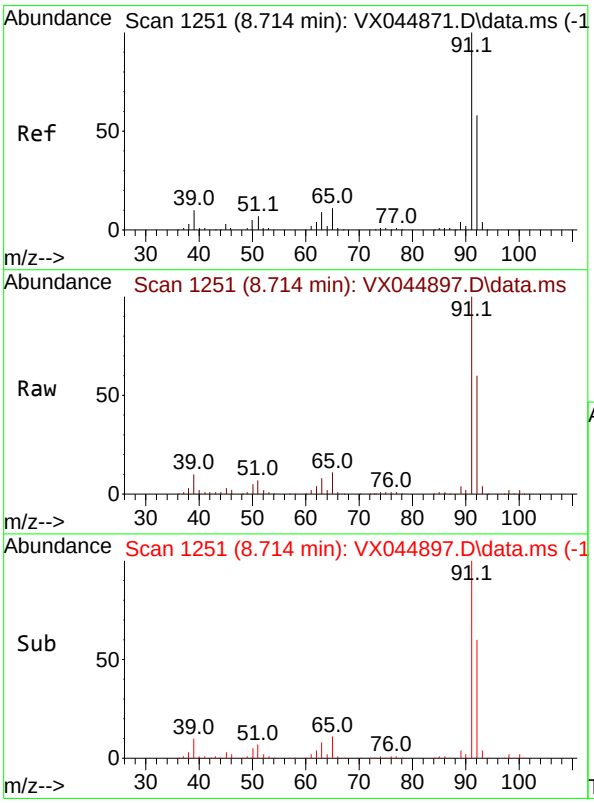
#51
4-Methyl-2-Pentanone
Concen: 108.010 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 43 Resp: 233883

Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.8	46.2

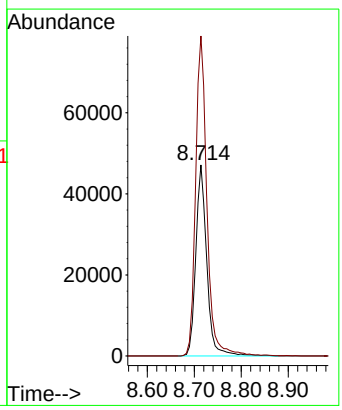


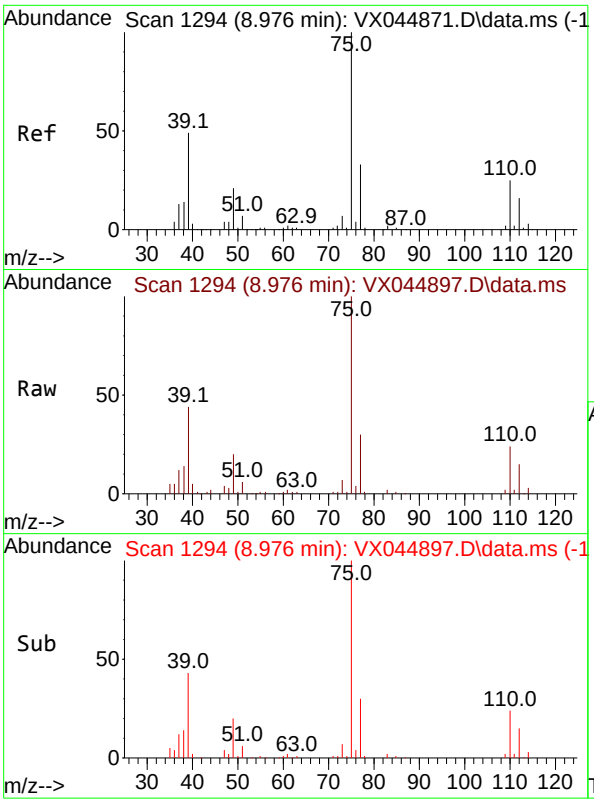


#52
Toluene
Concen: 20.859 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 92 Resp: 76922

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.4	206.2



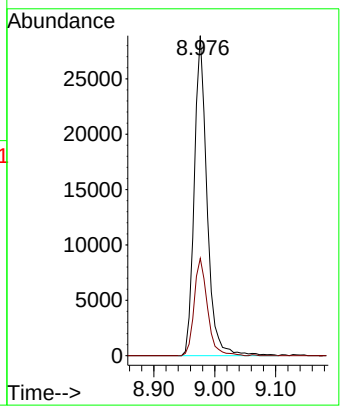


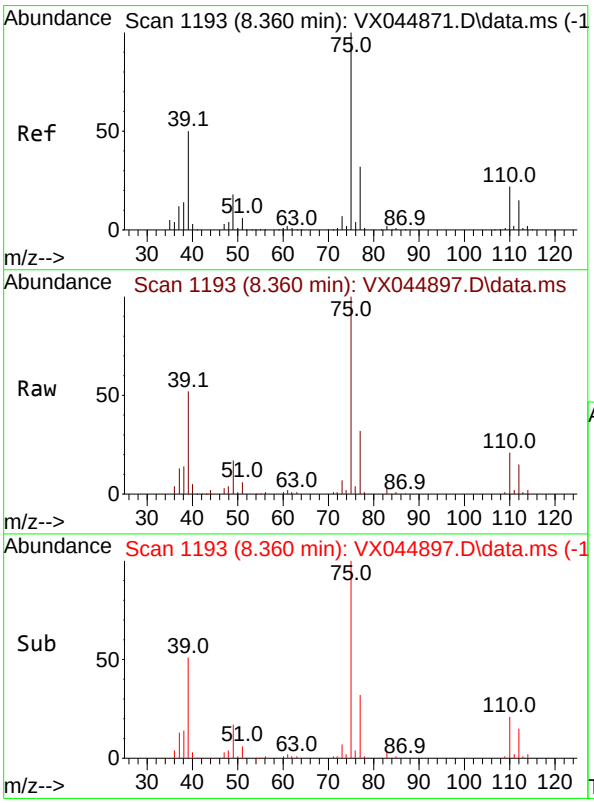
#53
t-1,3-Dichloropropene
Concen: 20.031 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 75 Resp: 41931

Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.0	39.0

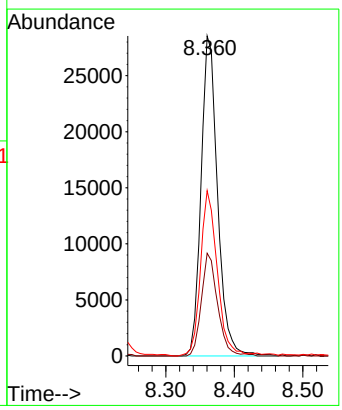


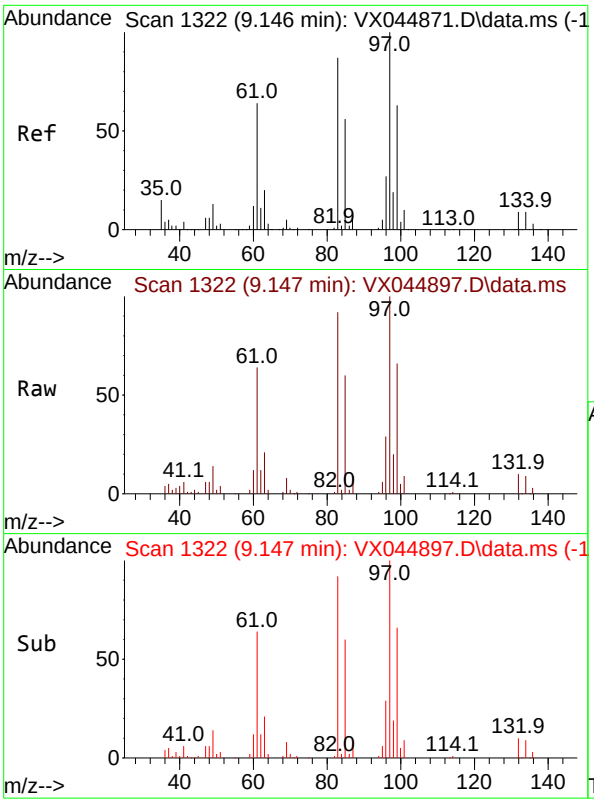


#54
cis-1,3-Dichloropropene
Concen: 20.513 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 75 Resp: 47877

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9
39	51.7	40.0	60.0



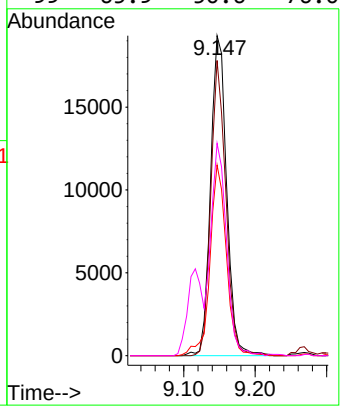


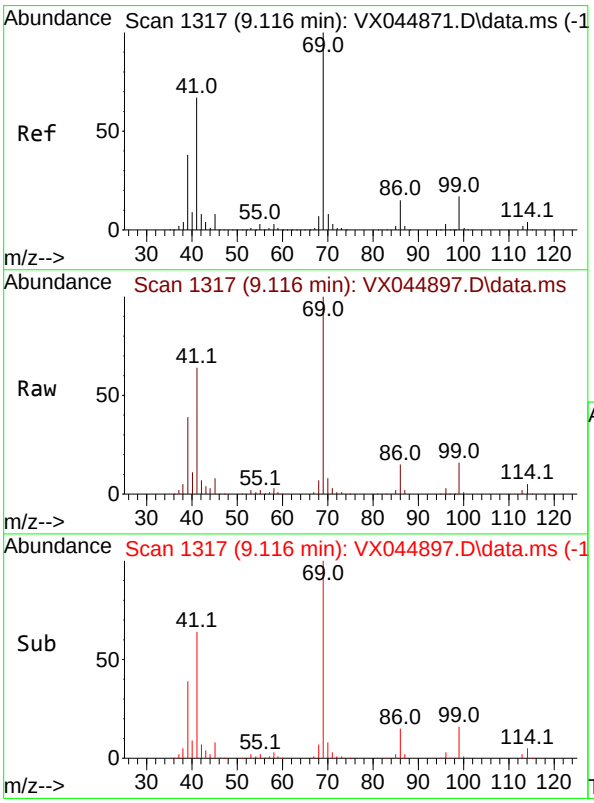
#55
1,1,2-Trichloroethane
Concen: 21.290 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 97 Resp: 30181

Ion	Ratio	Lower	Upper
97	100		
83	92.3	69.8	104.6
85	59.6	44.8	67.2
99	65.9	50.6	76.0

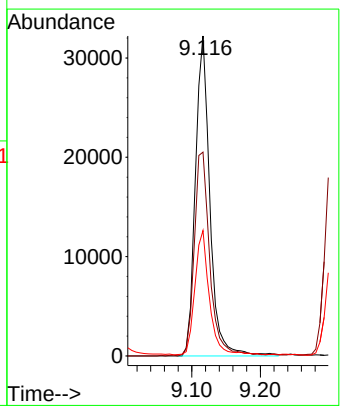


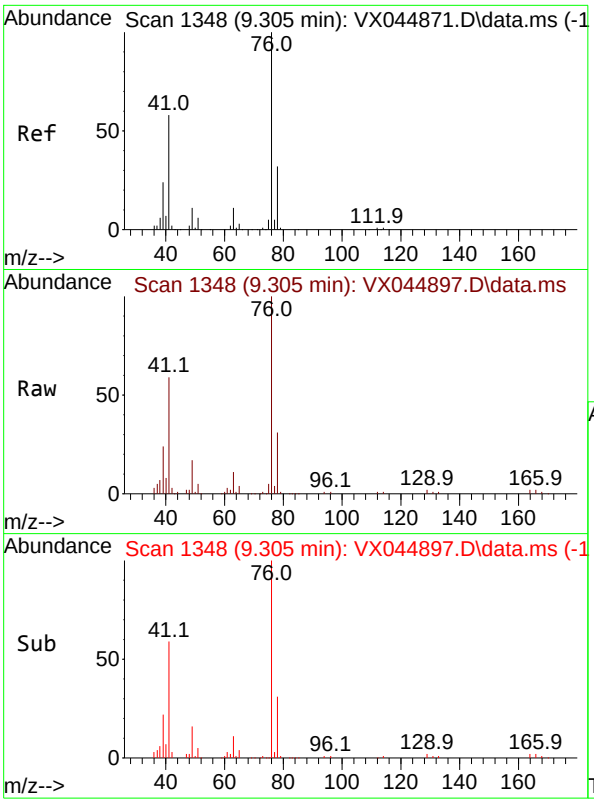


#56
Ethyl methacrylate
Concen: 20.773 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 69 Resp: 47561

Ion	Ratio	Lower	Upper
69	100		
41	68.5	55.2	82.8
39	39.0	30.8	46.2



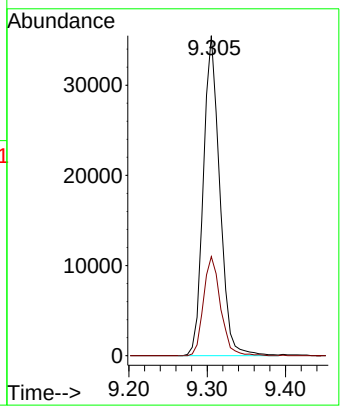


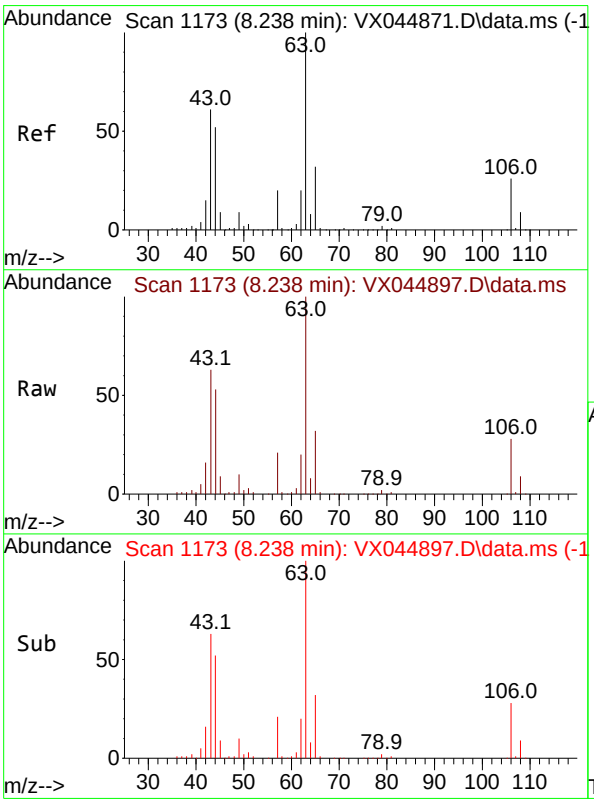
#57
1,3-Dichloropropane
Concen: 20.832 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 76 Resp: 51672

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

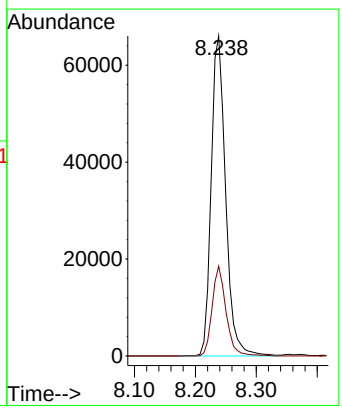


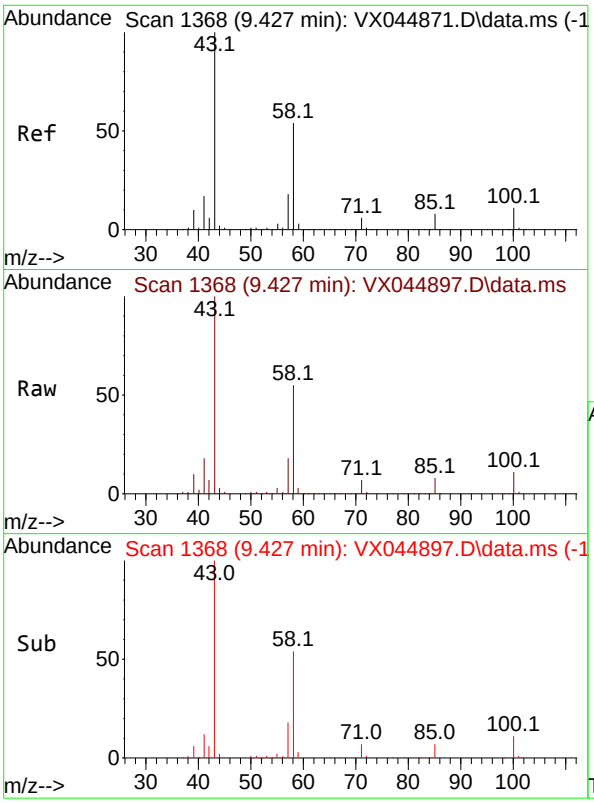


#58
2-Chloroethyl Vinyl ether
Concen: 96.512 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 63 Resp: 108500

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.3	31.9



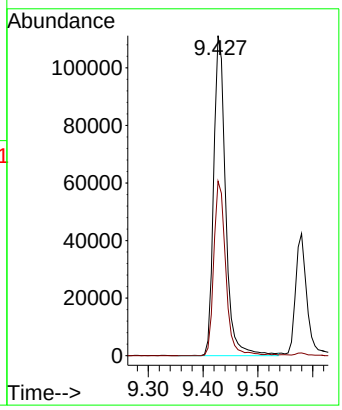


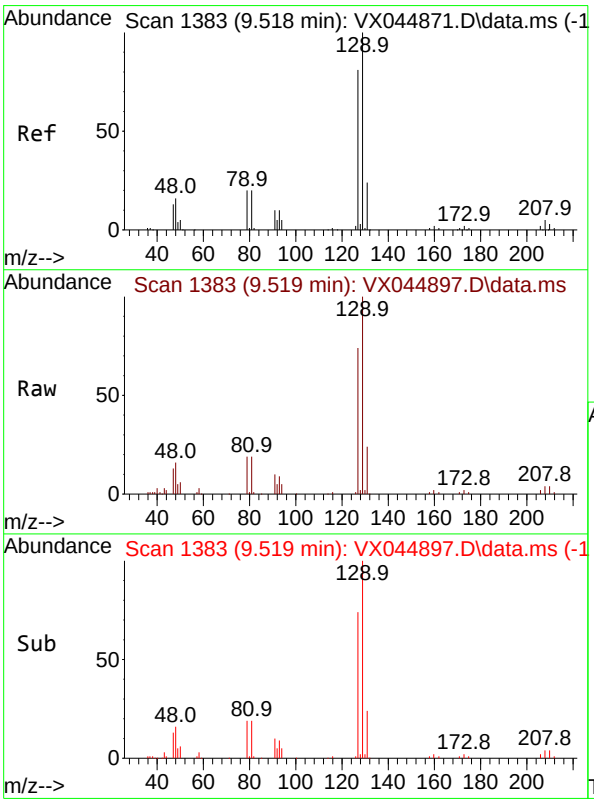
#59
2-Hexanone
Concen: 107.751 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 43 Resp: 168110

Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.5	82.4

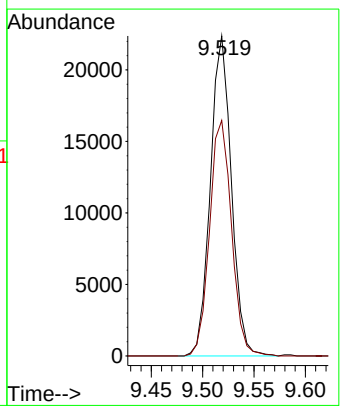


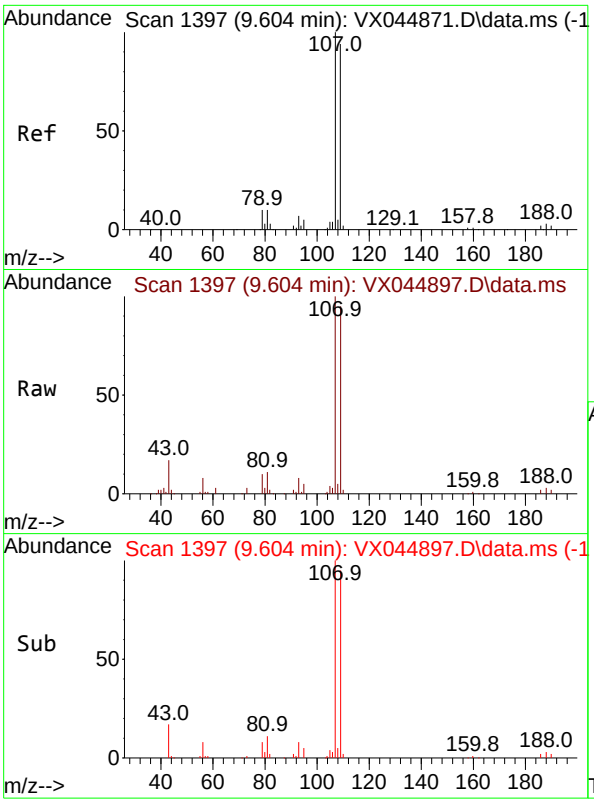


#60
Dibromochloromethane
Concen: 20.976 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:129 Resp: 31801

Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.1	117.3



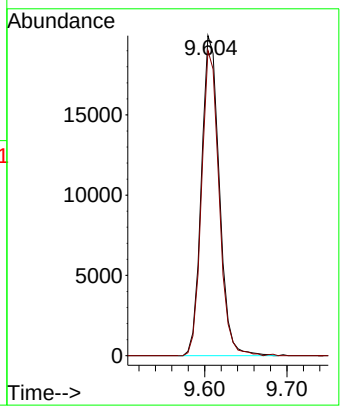


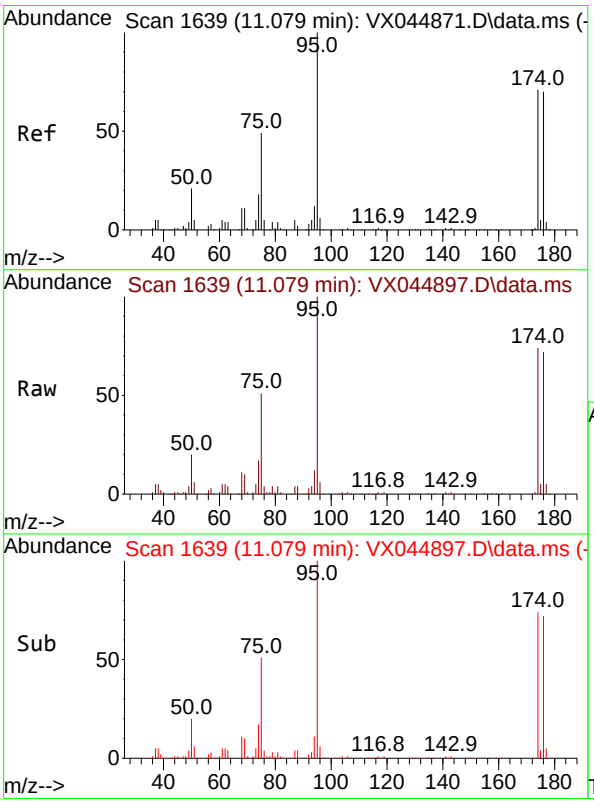
#61
1,2-Dibromoethane
Concen: 20.999 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:107 Resp: 30172

Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.9	113.9

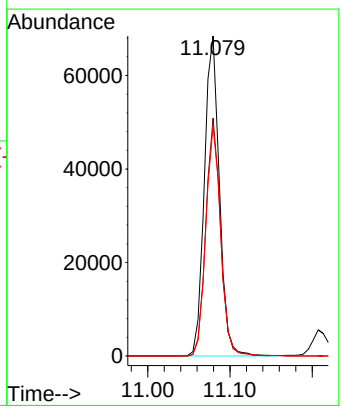


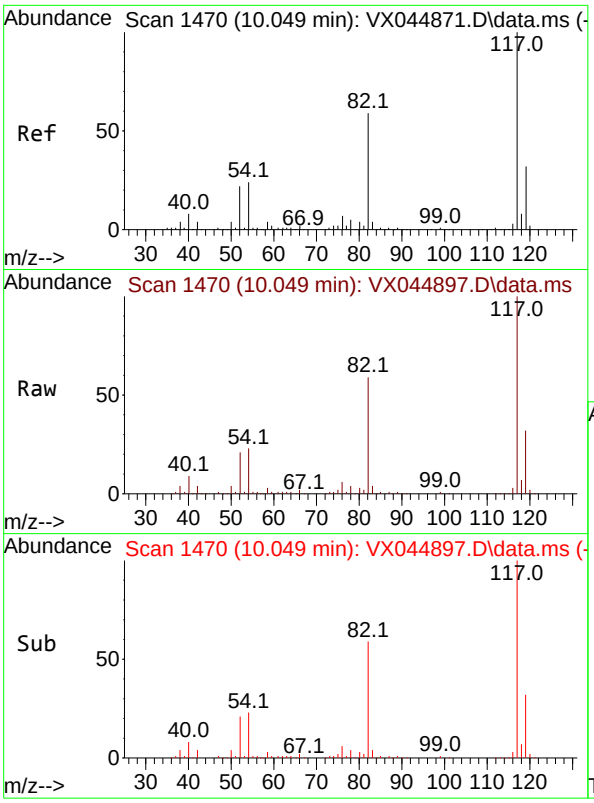


#62
4-Bromofluorobenzene
Concen: 49.646 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 95 Resp: 86989

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	142.6
176	70.8	0.0	141.6



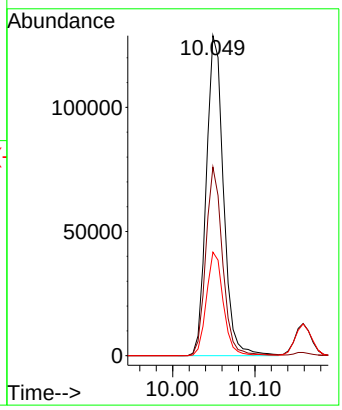


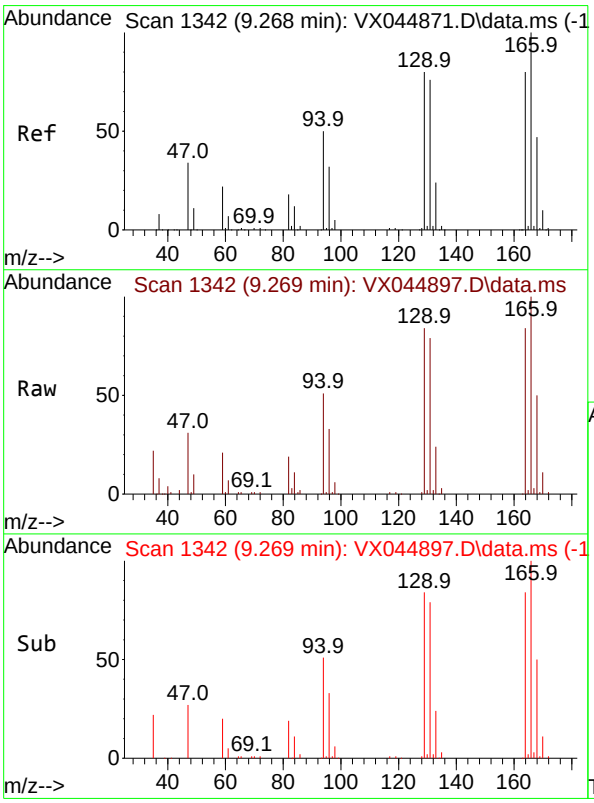
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:117 Resp: 186335

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.5	71.3
119	32.3	25.4	38.0

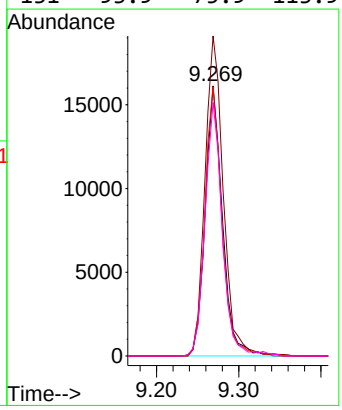


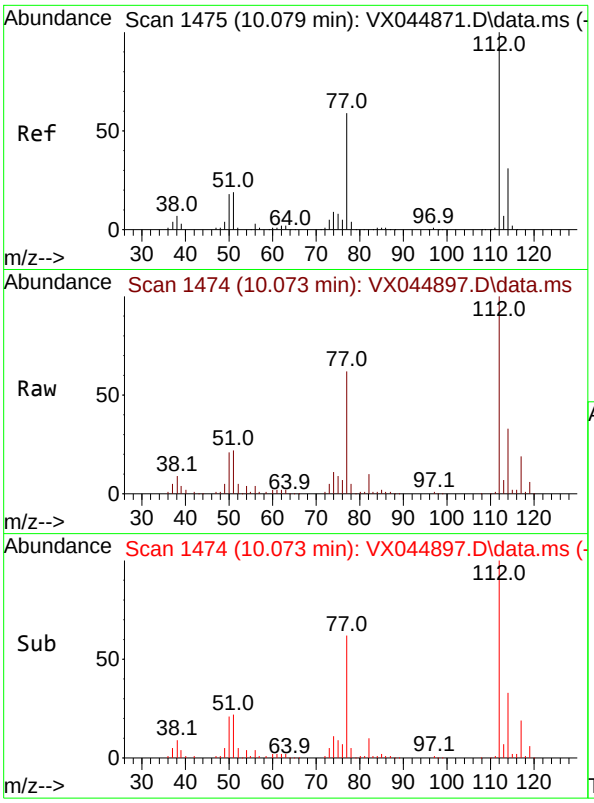


#64
Tetrachloroethene
Concen: 19.978 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:164 Resp: 23477

Ion	Ratio	Lower	Upper
164	100		
166	118.5	100.4	150.6
129	99.7	79.9	119.9
131	93.9	75.9	113.9



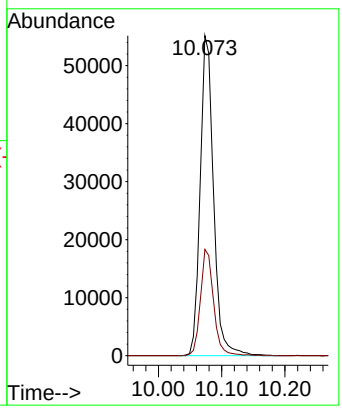


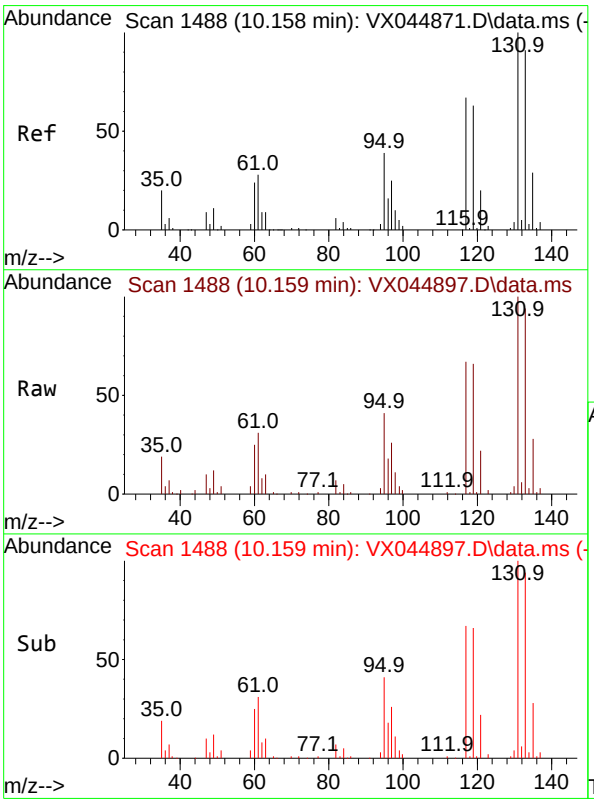
#65
Chlorobenzene
Concen: 20.314 ug/l
RT: 10.073 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:112 Resp: 81300

Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.0	37.6

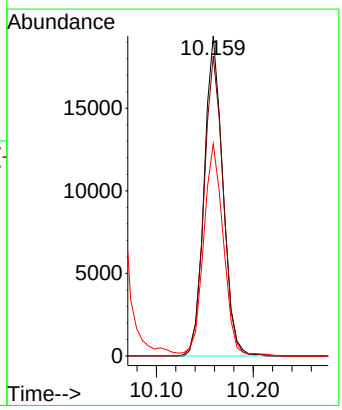


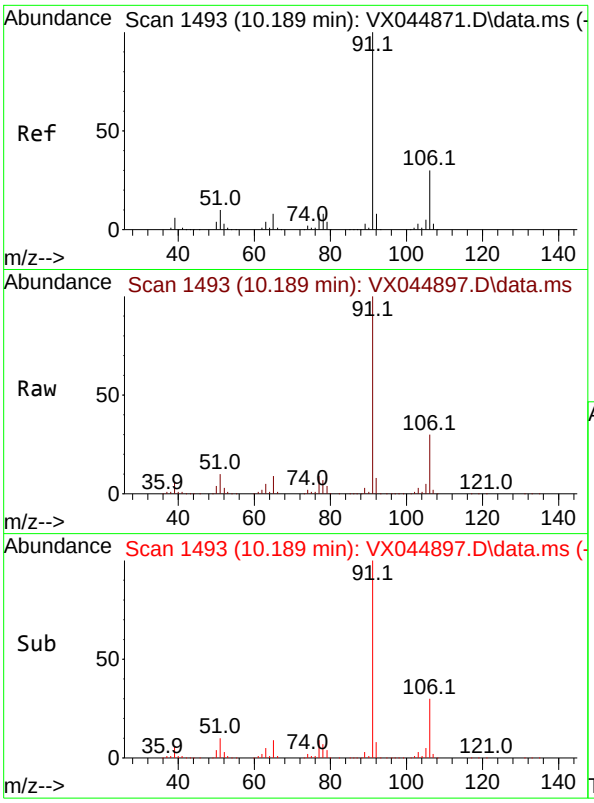


#66
1,1,1,2-Tetrachloroethane
Concen: 20.152 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:131 Resp: 25959

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.1	141.3
119	70.3	33.6	100.6



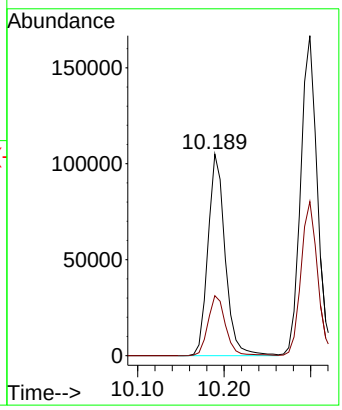


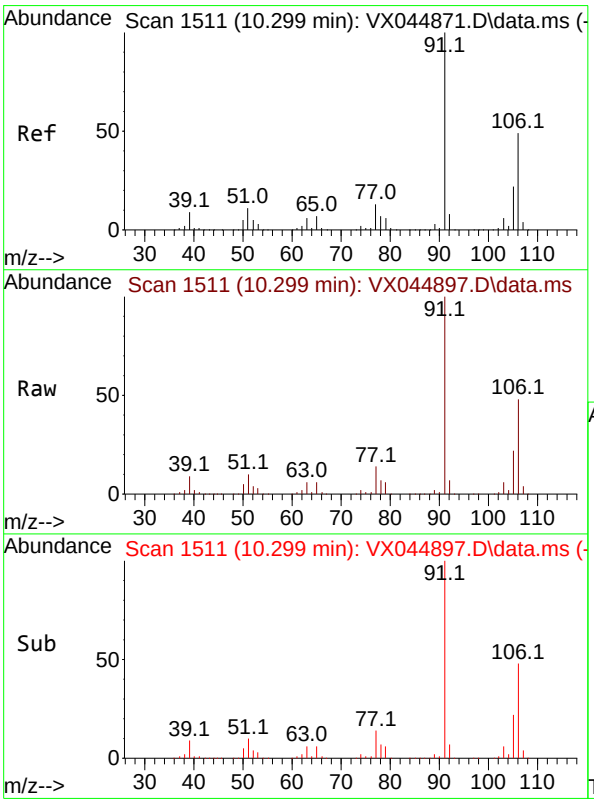
#67
Ethyl Benzene
Concen: 20.515 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 91 Resp: 144888

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.9	35.9

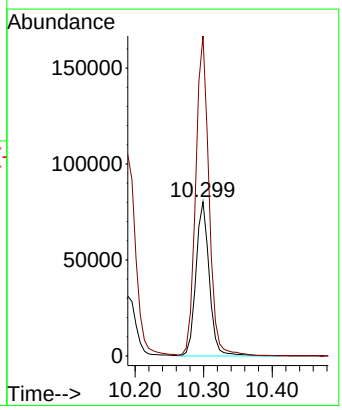


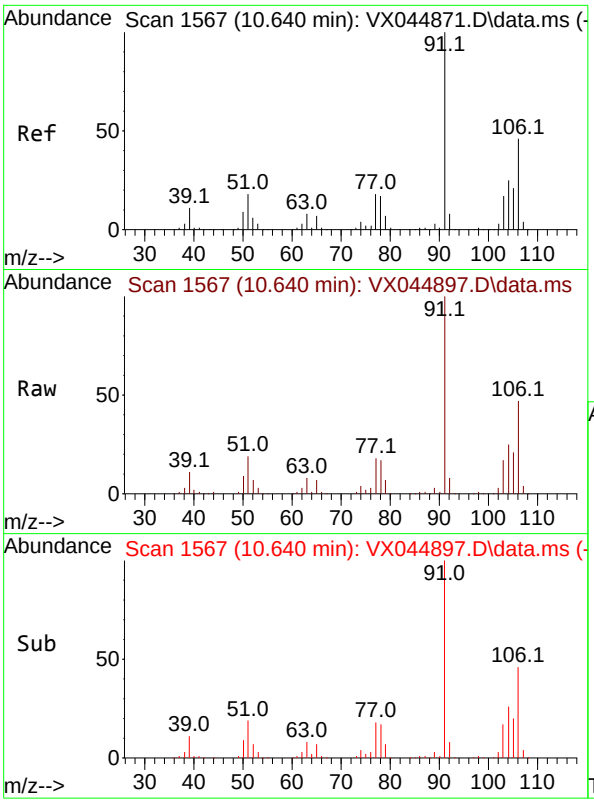


#68
m/p-Xylenes
Concen: 41.738 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:106 Resp: 108740

Ion	Ratio	Lower	Upper
106	100		
91	207.1	164.3	246.5



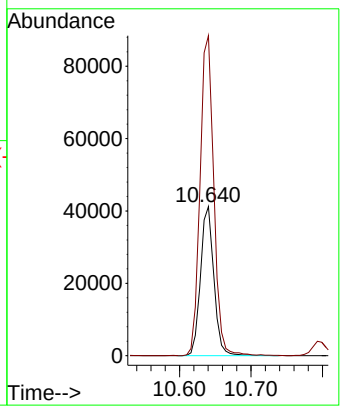


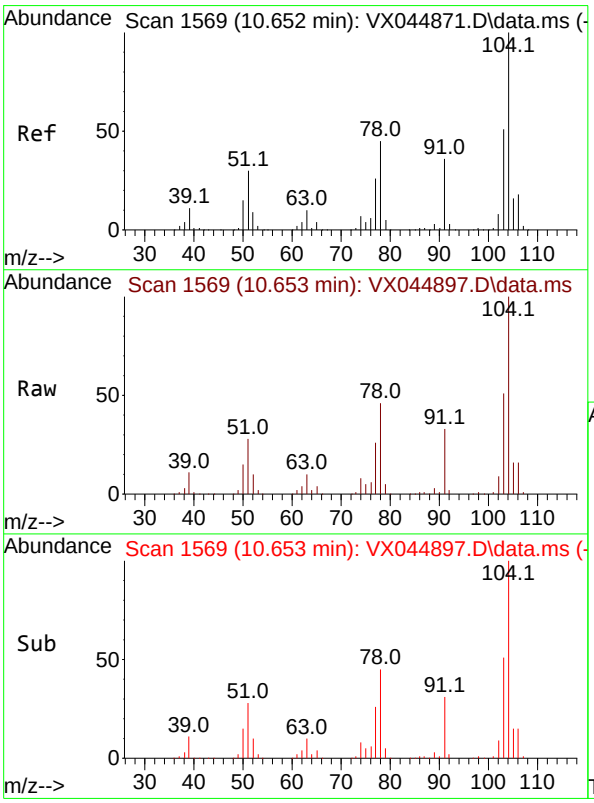
#69
o-Xylene
Concen: 20.464 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:106 Resp: 53496

Ion	Ratio	Lower	Upper
106	100		
91	220.4	108.5	325.5

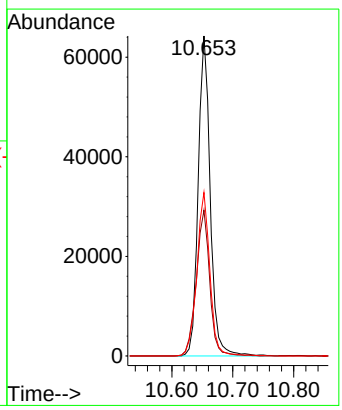


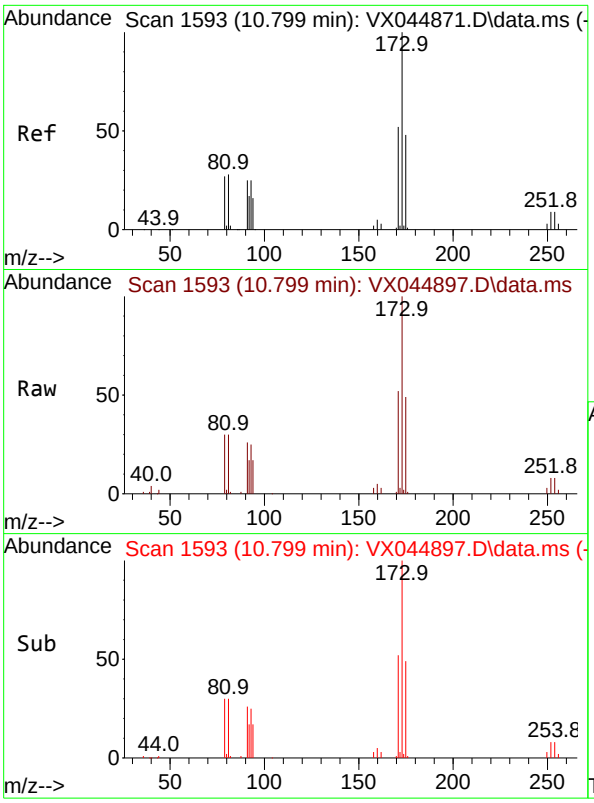


#70
Styrene
Concen: 20.896 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:104 Resp: 88009

Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.5	60.7
103	55.6	43.6	65.4



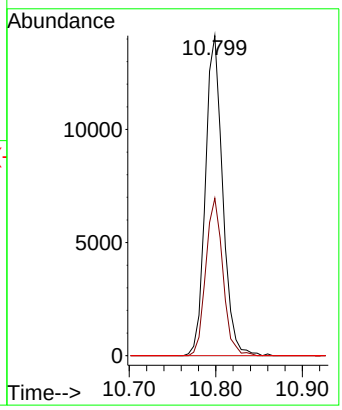


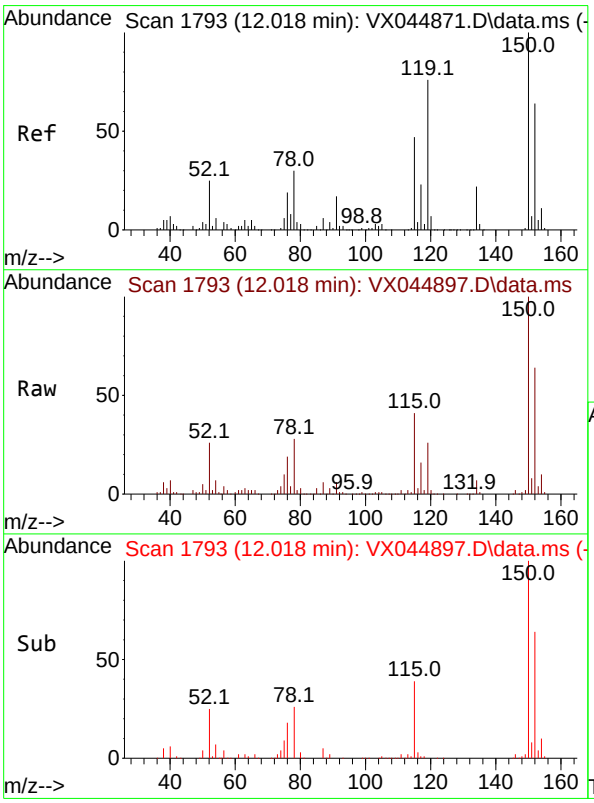
#71
Bromoform
Concen: 20.357 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:173 Resp: 19571

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.0	0.0

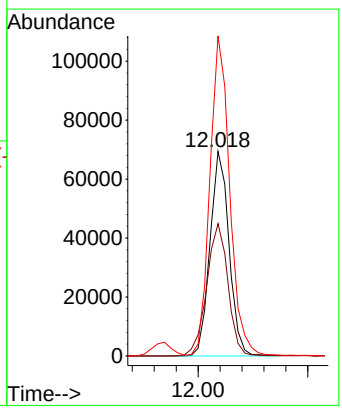


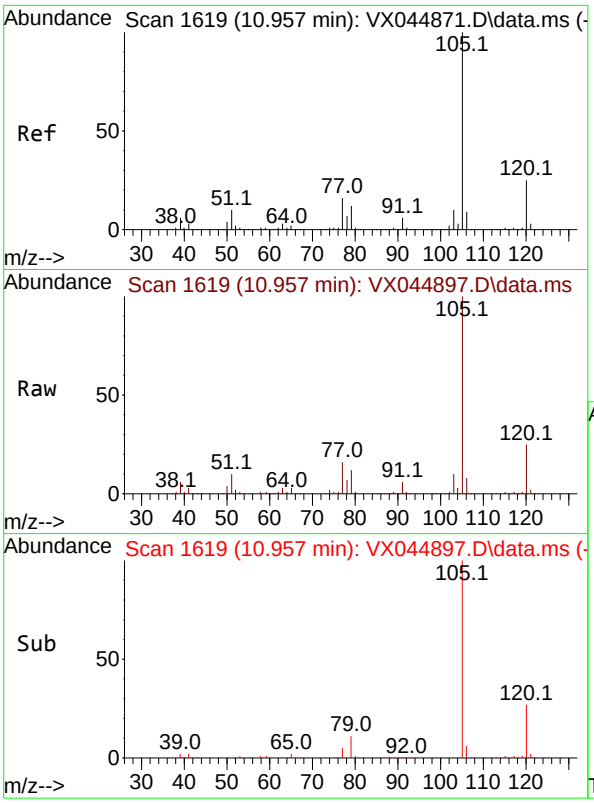


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:152 Resp: 83644

Ion	Ratio	Lower	Upper
152	100		
115	72.1	43.4	130.1
150	163.2	0.0	350.4



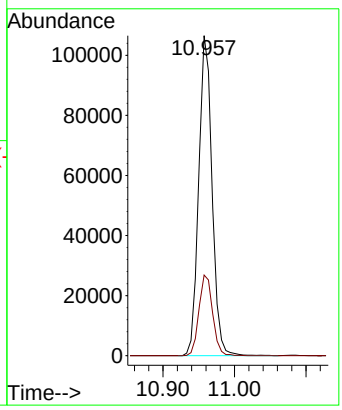


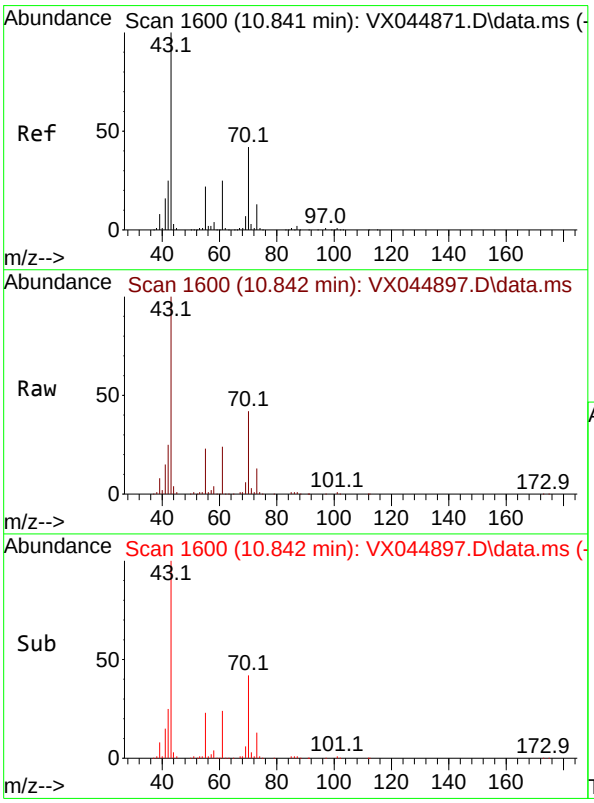
#73
Isopropylbenzene
Concen: 20.488 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:105 Resp: 137984

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

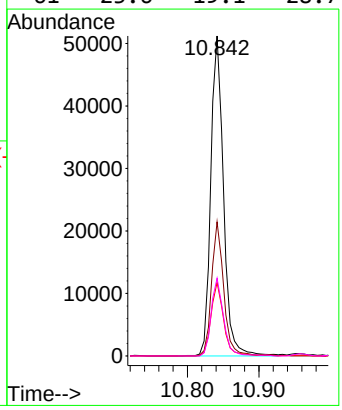


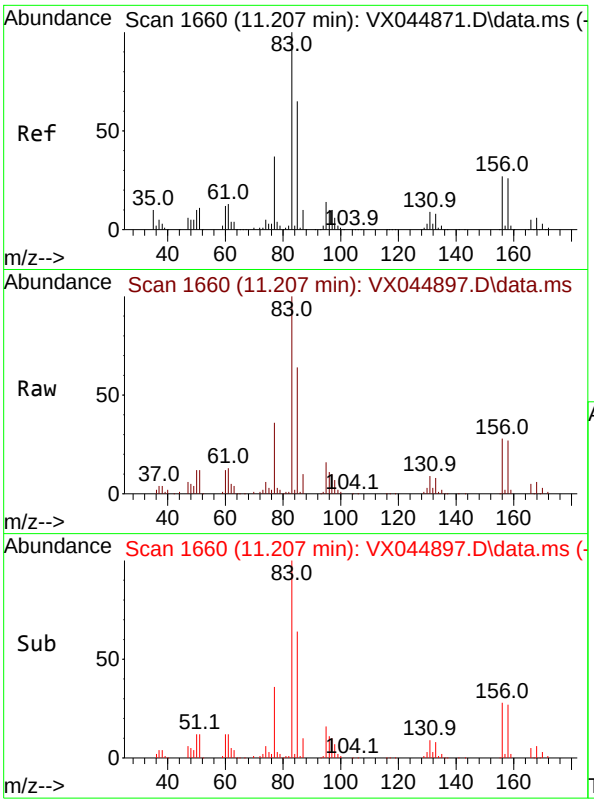


#74
N-amyl acetate
Concen: 20.774 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 63313

Ion	Ratio	Lower	Upper
43	100		
70	40.3	33.7	50.5
55	22.5	18.6	27.8
61	23.6	19.1	28.7



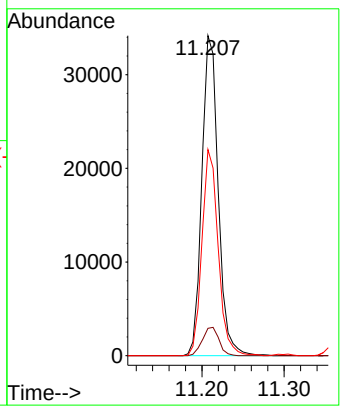


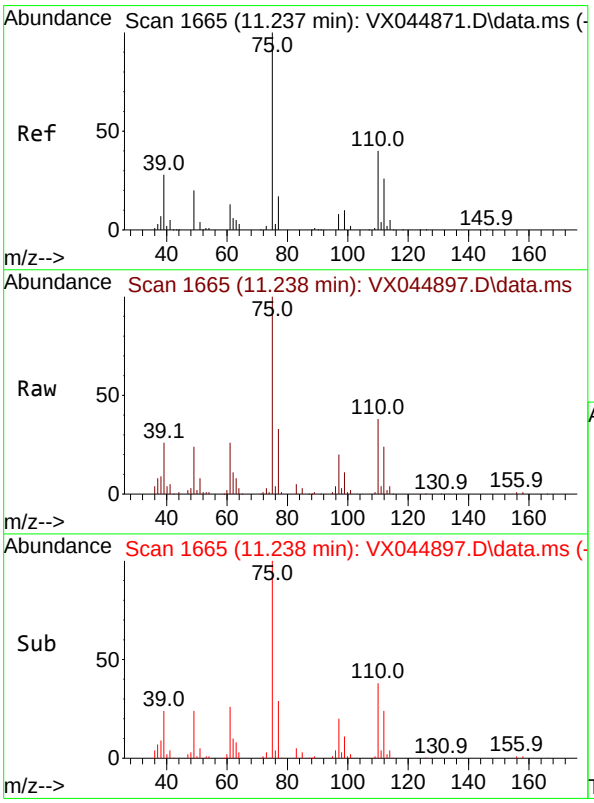
#75
1,1,2,2-Tetrachloroethane
Concen: 20.381 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 83 Resp: 47168

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.5
85	64.0	32.3	96.8

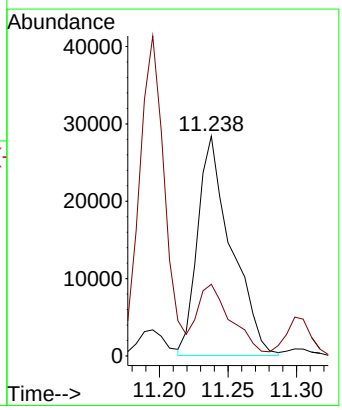


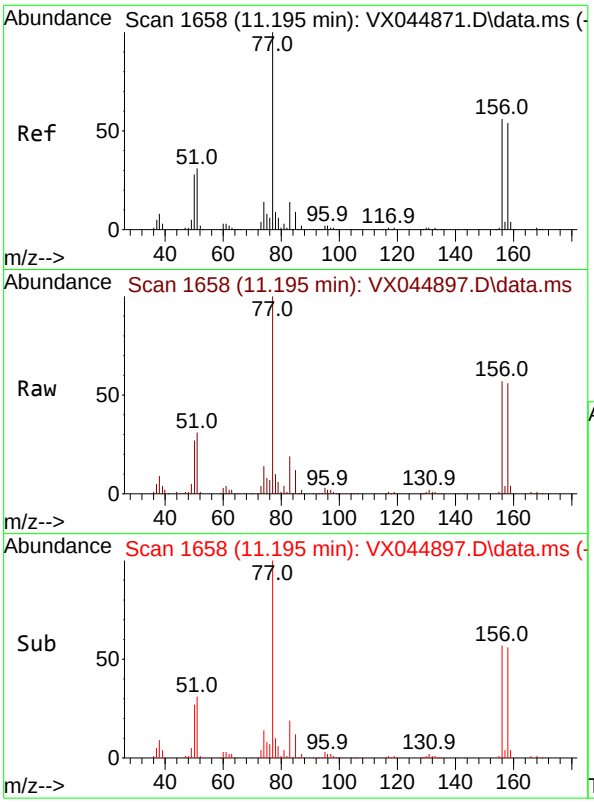


#76
1,2,3-Trichloropropane
Concen: 26.163 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 75 Resp: 48520

Ion	Ratio	Lower	Upper
75	100		
77	33.3	21.9	65.7



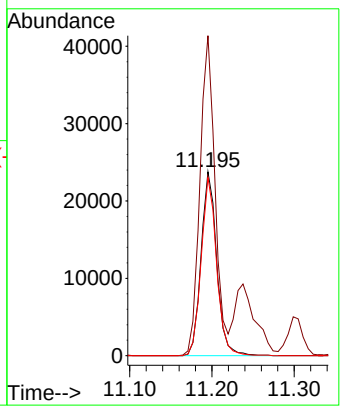


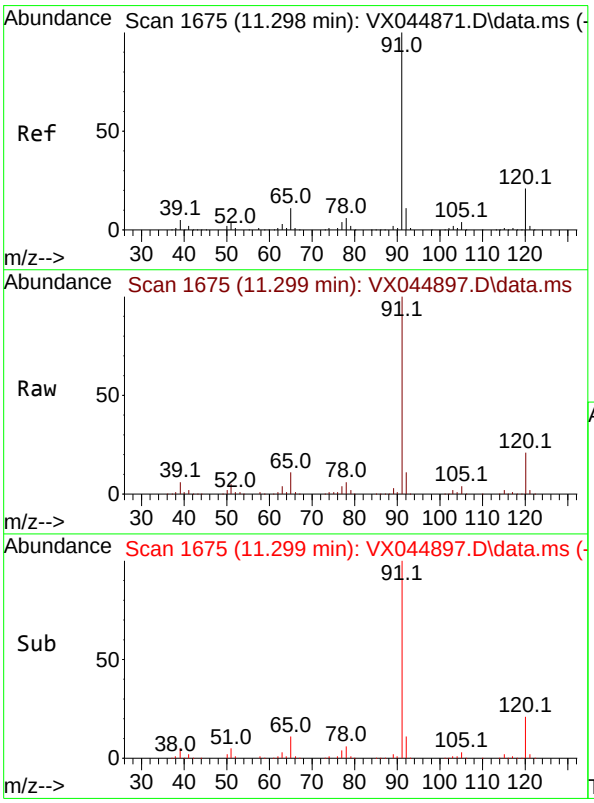
#77
Bromobenzene
Concen: 20.605 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:156 Resp: 31462

Ion	Ratio	Lower	Upper
156	100		
77	168.3	88.4	265.3
158	95.7	48.4	145.2

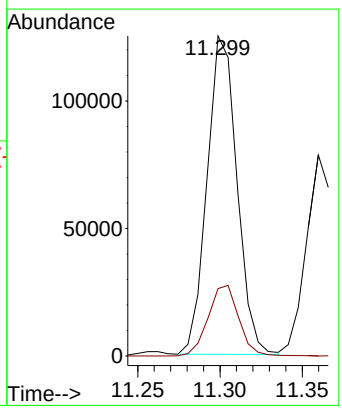


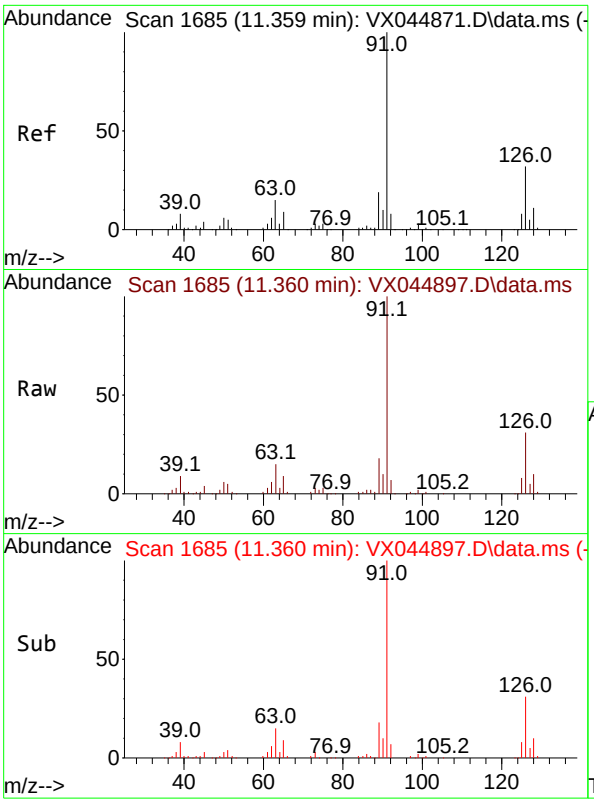


#78
n-propylbenzene
Concen: 20.300 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 91 Resp: 157806

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.3



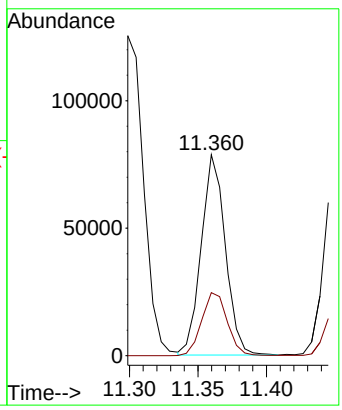


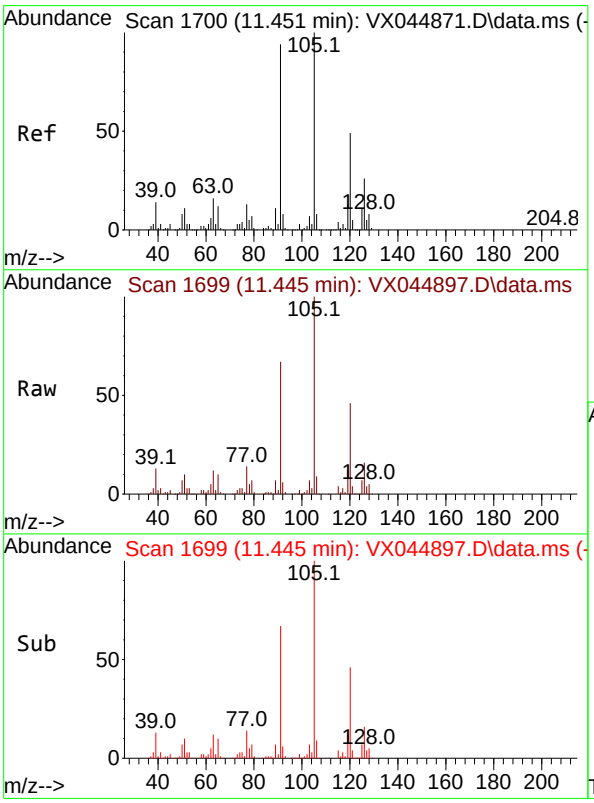
#79
2-Chlorotoluene
Concen: 20.179 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 91 Resp: 96410

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.2	48.6

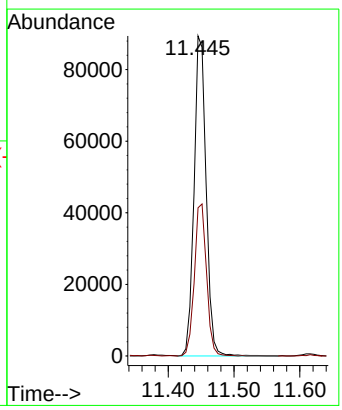


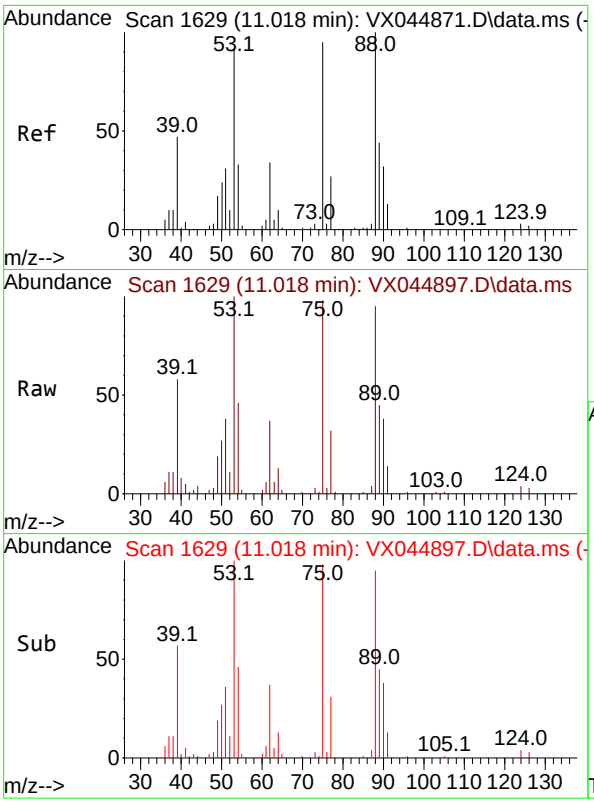


#80
1,3,5-Trimethylbenzene
Concen: 20.797 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:105 Resp: 113664

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0



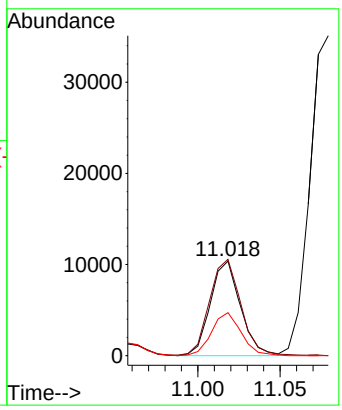


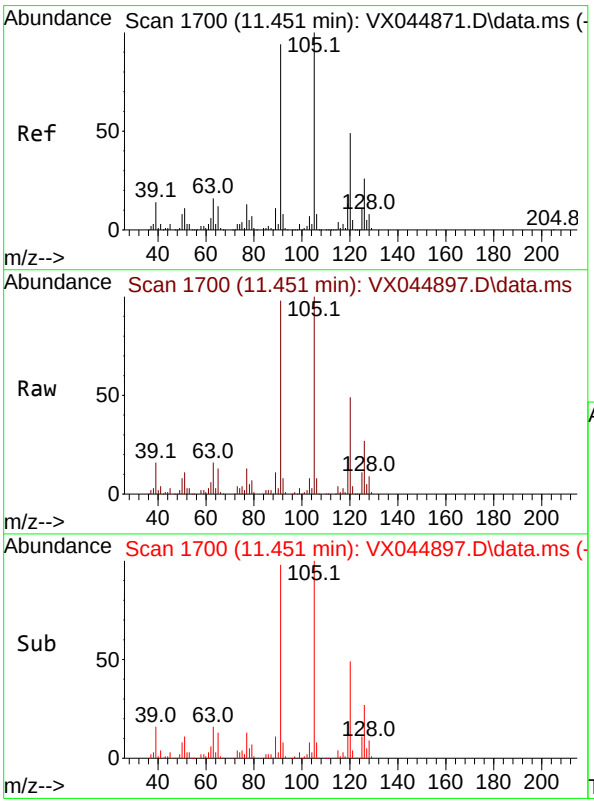
#81
trans-1,4-Dichloro-2-butene
Concen: 18.351 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 75 Resp: 13230

Ion	Ratio	Lower	Upper
75	100		
53	106.1	78.0	117.0
89	44.8	36.6	54.8

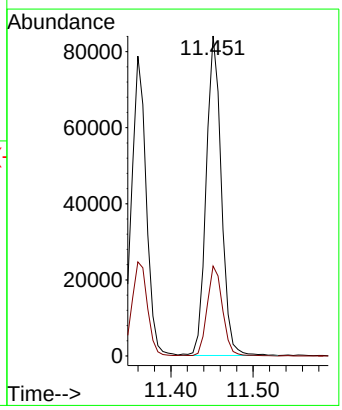


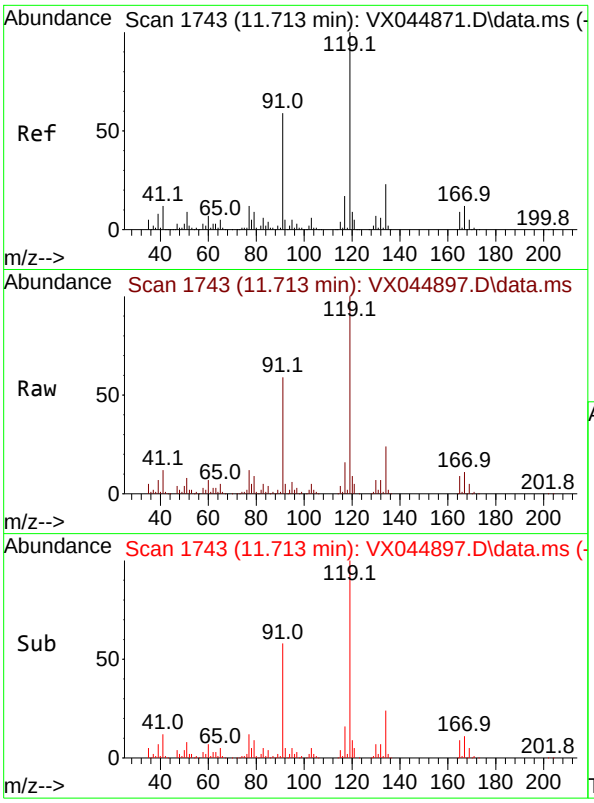


#82
4-Chlorotoluene
Concen: 20.331 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 91 Resp: 107461

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



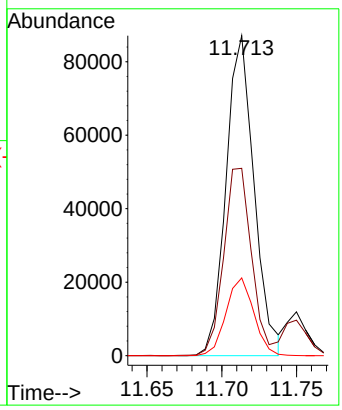


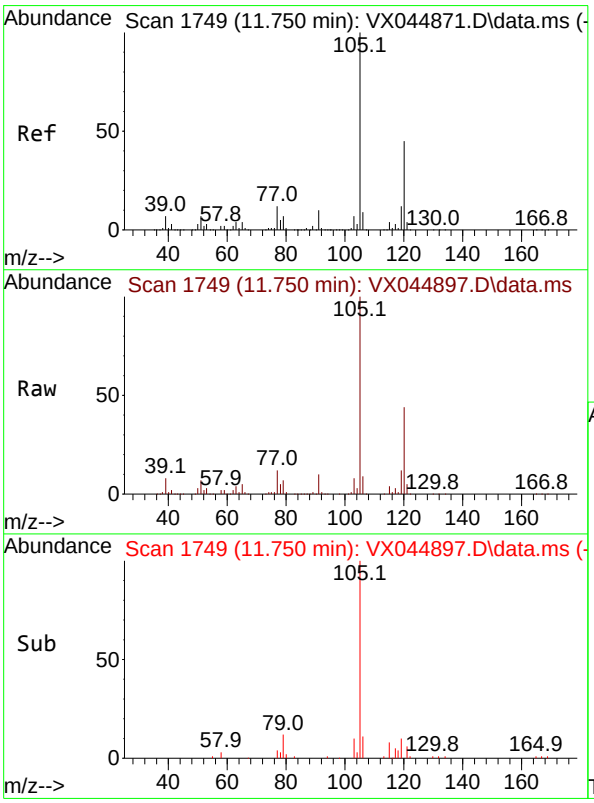
#83
tert-Butylbenzene
Concen: 20.520 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:119 Resp: 113453

Ion	Ratio	Lower	Upper
119	100		
91	58.0	29.1	87.4
134	24.1	11.5	34.5

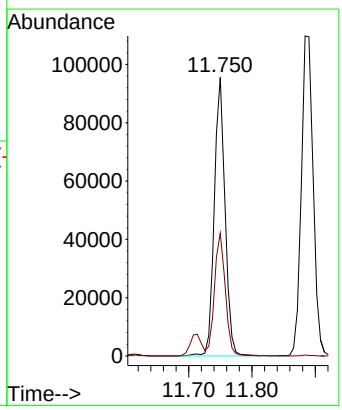


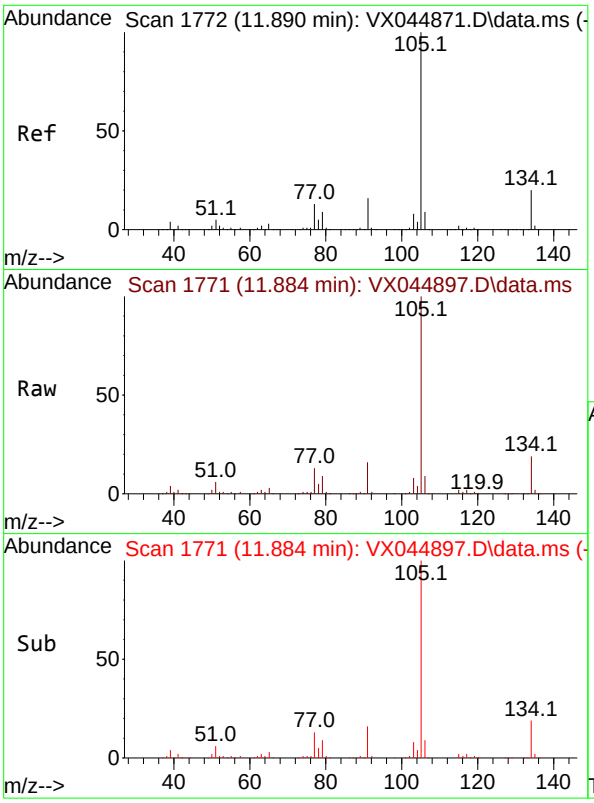


#84
1,2,4-Trimethylbenzene
Concen: 20.996 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:105 Resp: 113257

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.0



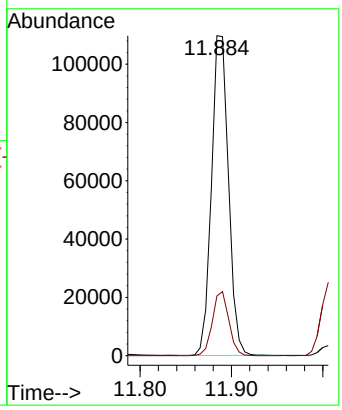


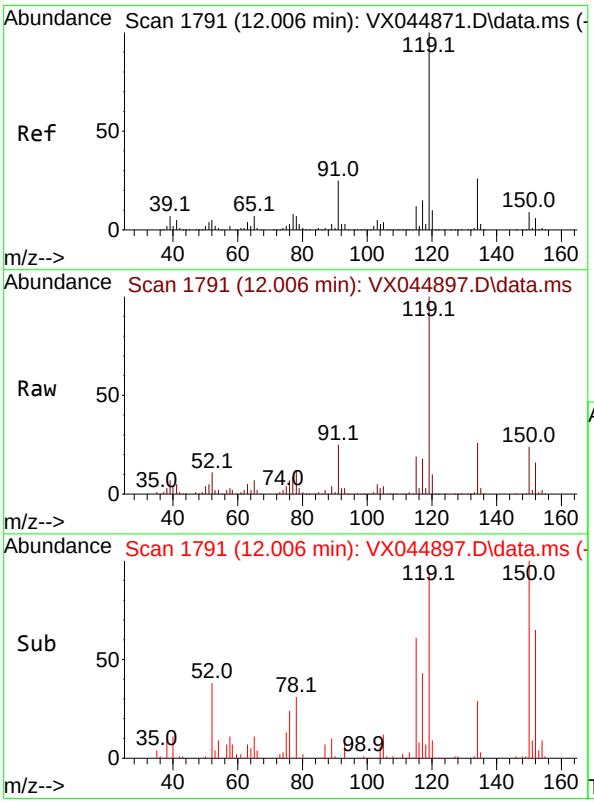
#85
sec-Butylbenzene
Concen: 20.693 ug/l
RT: 11.884 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:105 Resp: 141678

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.3

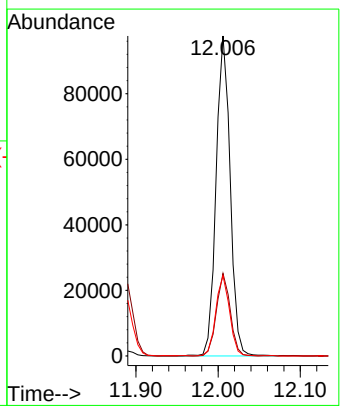


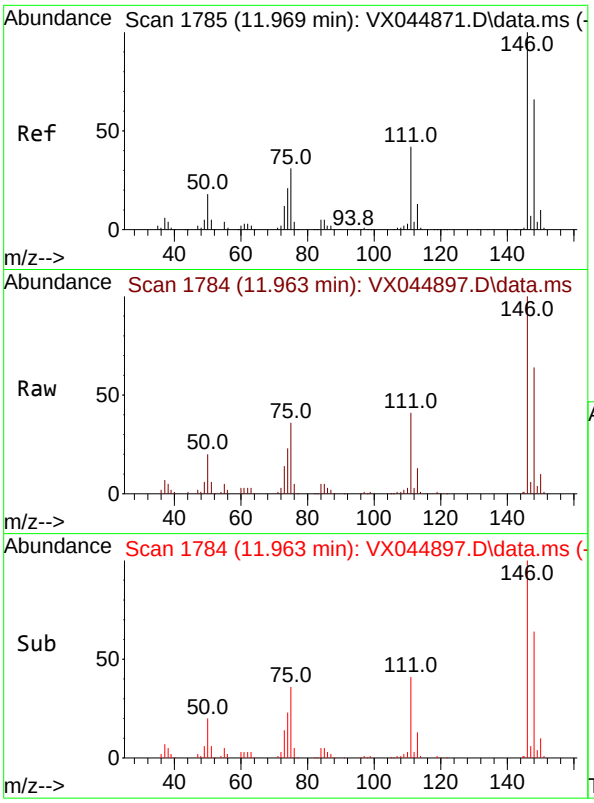


#86
p-Isopropyltoluene
Concen: 21.047 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:119 Resp: 115883

Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	38.9
91	24.7	12.1	36.3



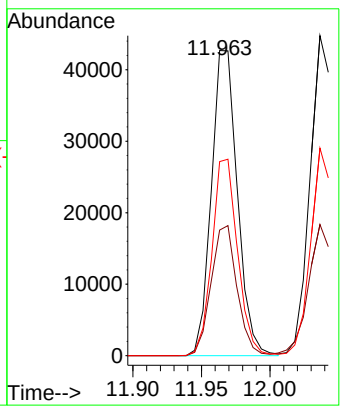


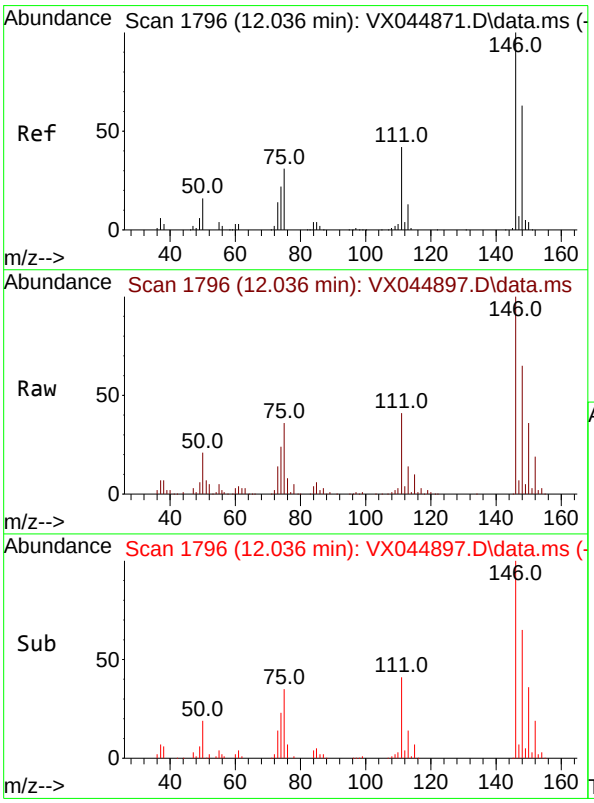
#87
1,3-Dichlorobenzene
Concen: 20.087 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:146 Resp: 56403

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.2	63.6
148	63.4	32.5	97.5

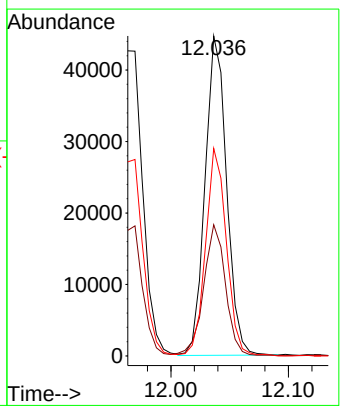


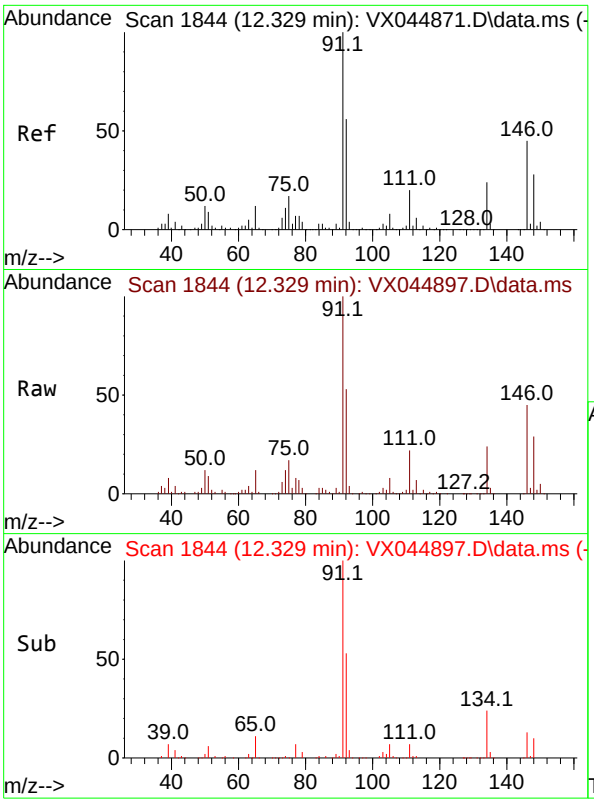


#88
1,4-Dichlorobenzene
Concen: 19.998 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:146 Resp: 56774

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.4	61.3
148	63.2	32.0	96.0



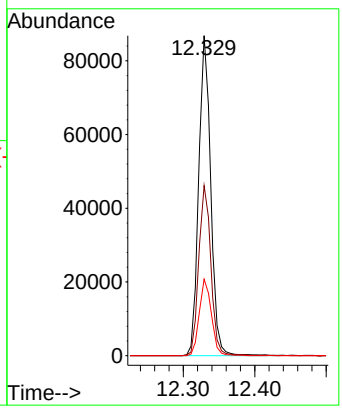


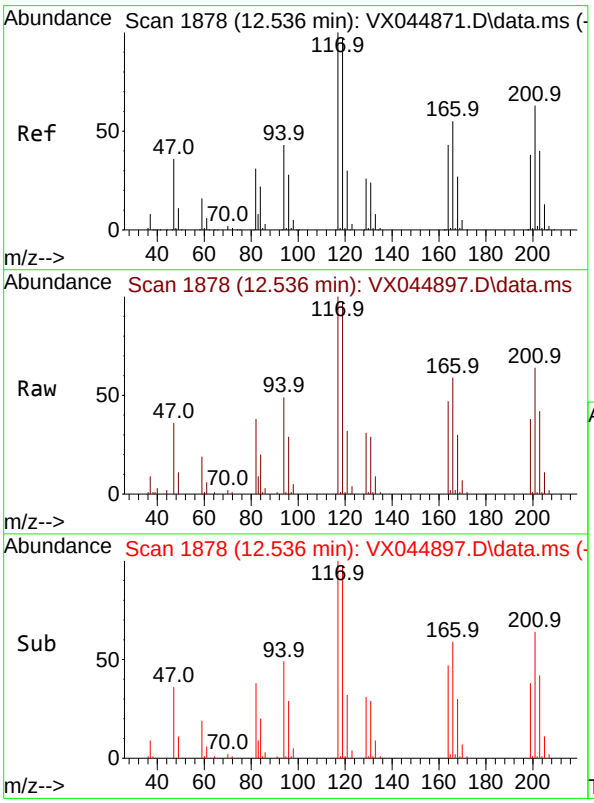
#89
n-Butylbenzene
Concen: 20.774 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 91 Resp: 101189

Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	24.1	12.1	36.3

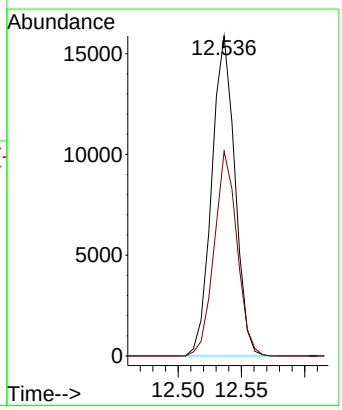


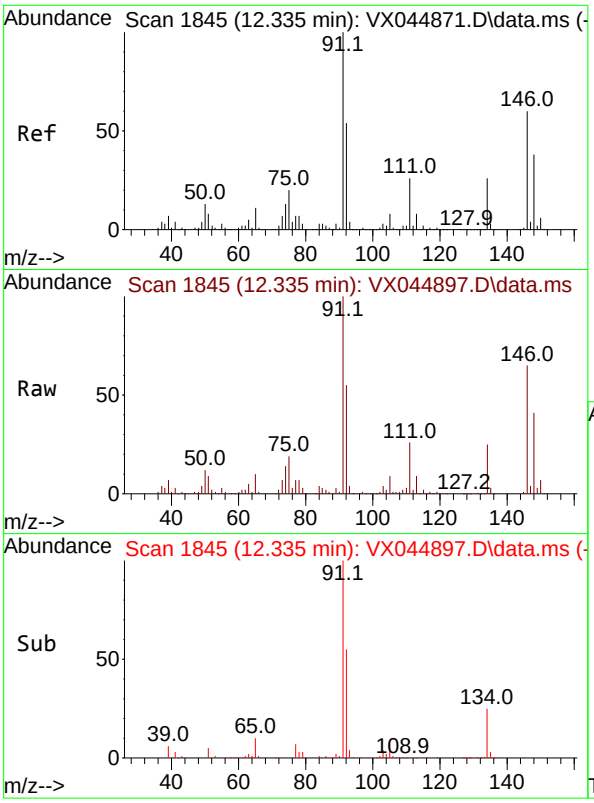


#90
Hexachloroethane
Concen: 19.608 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:117 Resp: 20215

Ion	Ratio	Lower	Upper
117	100		
201	63.0	32.5	97.5



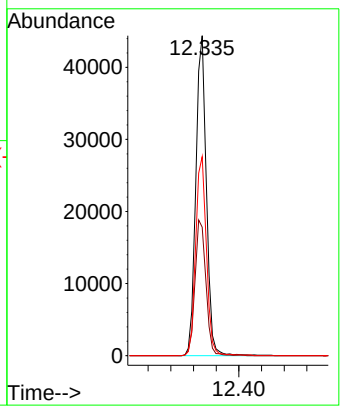


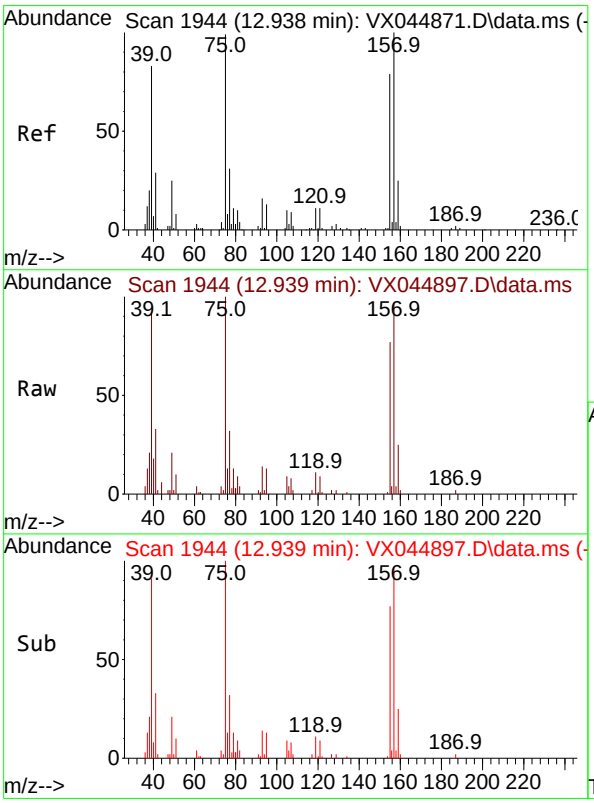
#91
1,2-Dichlorobenzene
Concen: 20.783 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:146 Resp: 57355

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.5	31.9	95.9

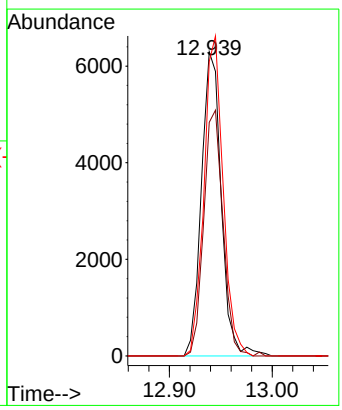


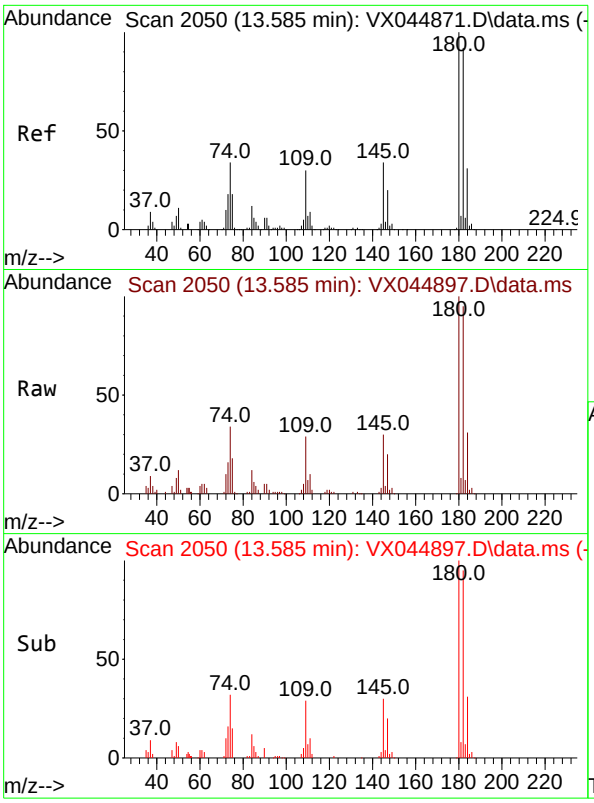


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.963 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 75 Resp: 8432

Ion	Ratio	Lower	Upper
75	100		
155	79.0	40.5	121.4
157	101.6	51.4	154.3



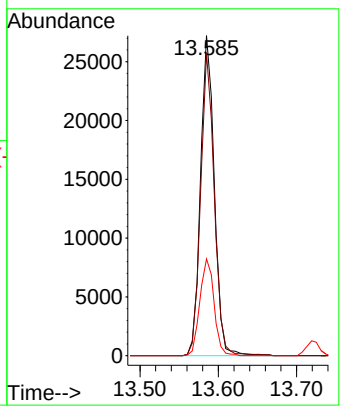


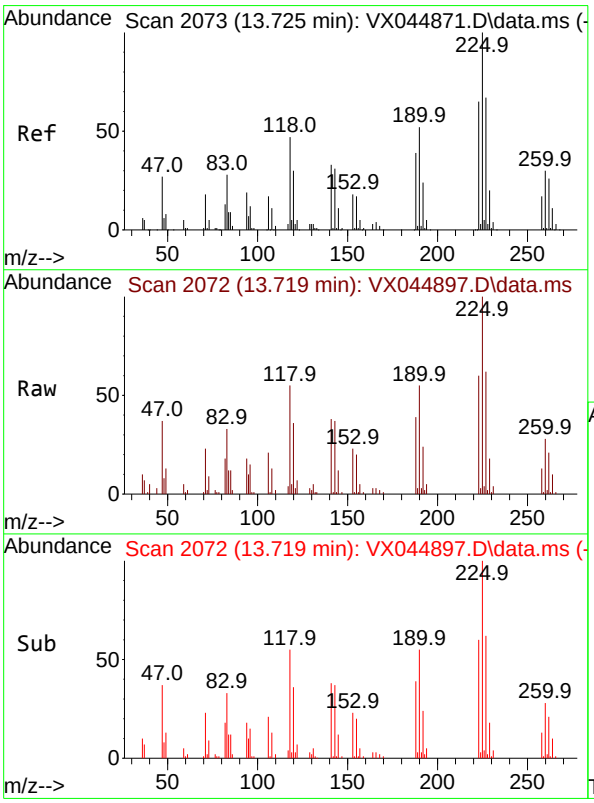
#93
1,2,4-Trichlorobenzene
Concen: 19.913 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:180 Resp: 33252

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.6	142.8
145	31.1	16.4	49.1

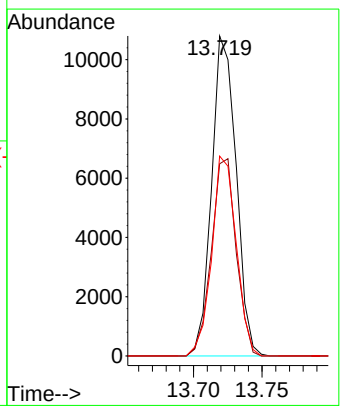


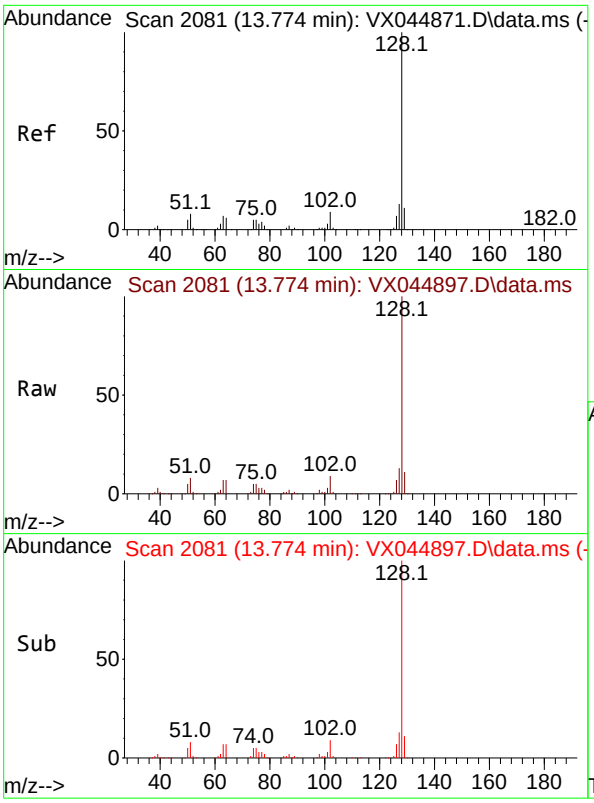


#94
Hexachlorobutadiene
Concen: 20.176 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:225 Resp: 13375

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.4	94.2
227	62.6	32.3	96.8



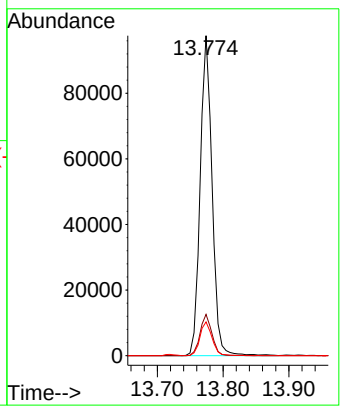


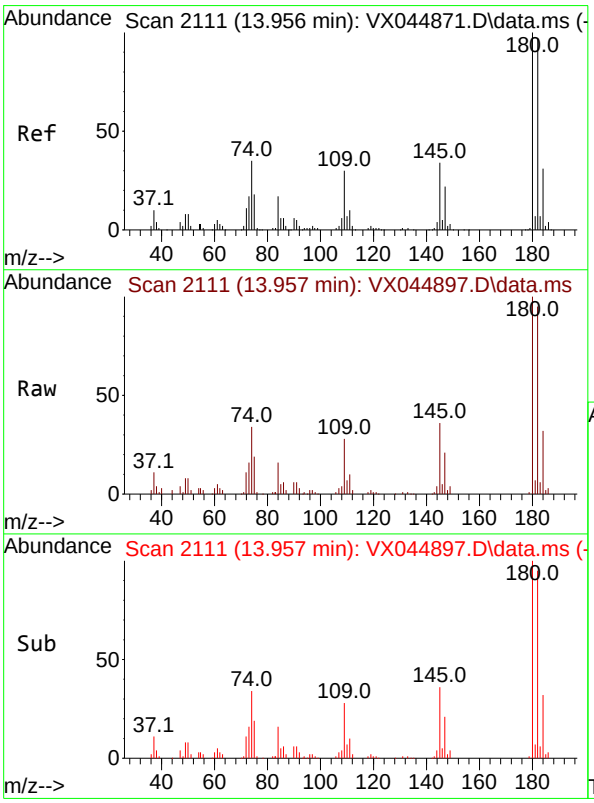
#95
Naphthalene
Concen: 20.324 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:128 Resp: 122681

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.9	13.3

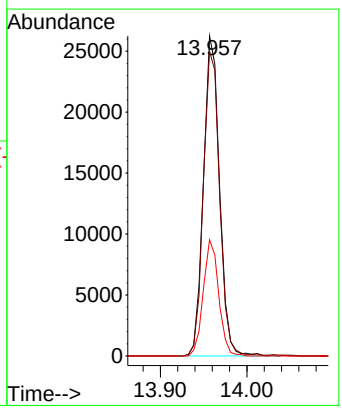




#96
1,2,3-Trichlorobenzene
Concen: 20.124 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:180 Resp: 33862

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.6
145	34.8	17.1	51.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	114065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	208728	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	185334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87095	52.162	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.320%			
35) Dibromofluoromethane	5.379	113	69917	51.520	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.040%			
50) Toluene-d8	8.647	98	262476	51.148	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	11.079	95	90574	52.355	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	79061	49.419	ug/l	99
3) Chloromethane	1.301	50	92827	47.674	ug/l	96
4) Vinyl Chloride	1.374	62	92352	48.959	ug/l	100
5) Bromomethane	1.593	94	28374	50.267	ug/l	95
6) Chloroethane	1.660	64	30841	40.693	ug/l	100
7) Trichlorofluoromethane	1.868	101	116867	48.991	ug/l	100
8) Diethyl Ether	2.136	74	42851	49.531	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	70557	48.954	ug/l	99
10) Methyl Iodide	2.441	142	95185	50.957	ug/l	100
11) Tert butyl alcohol	2.995	59	77516	250.247	ug/l #	84
12) 1,1-Dichloroethene	2.307	96	71063	48.335	ug/l	95
13) Acrolein	2.233	56	84172	263.373	ug/l	99
14) Allyl chloride	2.654	41	125975	47.412	ug/l	98
15) Acrylonitrile	3.062	53	210792	254.873	ug/l	98
16) Acetone	2.386	43	173889	259.058	ug/l	99
17) Carbon Disulfide	2.502	76	184565	45.780	ug/l	100
18) Methyl Acetate	2.703	43	109515	51.703	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	231822	49.559	ug/l	100
20) Methylene Chloride	2.782	84	80471	48.945	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	71823	49.636	ug/l	99
22) Diisopropyl ether	3.757	45	255564	50.840	ug/l	96
23) Vinyl Acetate	3.715	43	1043434	254.613	ug/l	100
24) 1,1-Dichloroethane	3.605	63	139303	49.527	ug/l	99
25) 2-Butanone	4.556	43	285853	262.259	ug/l	97
26) 2,2-Dichloropropane	4.471	77	91644	41.086	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	85866	49.402	ug/l	98
28) Bromochloromethane	4.885	49	60252	44.575	ug/l	98
29) Tetrahydrofuran	5.001	42	188839	260.913	ug/l	99
30) Chloroform	5.087	83	135857	49.806	ug/l	97
31) Cyclohexane	5.464	56	122435	47.217	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	113617	49.107	ug/l	99
36) 1,1-Dichloropropene	5.684	75	91970	46.974	ug/l	98
37) Ethyl Acetate	4.709	43	110417	50.702	ug/l	100
38) Carbon Tetrachloride	5.666	117	90581	47.211	ug/l	98
39) Methylcyclohexane	7.373	83	123769	48.896	ug/l	97
40) Benzene	6.031	78	303089	49.575	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	62585	53.690 ug/l	99
42) 1,2-Dichloroethane	6.080	62	99909	51.275 ug/l	100
43) Isopropyl Acetate	6.336	43	177546	50.486 ug/l	99
44) Trichloroethene	7.123	130	68162	48.777 ug/l	98
45) 1,2-Dichloropropane	7.428	63	75229	49.460 ug/l	99
46) Dibromomethane	7.574	93	53323	50.552 ug/l	99
47) Bromodichloromethane	7.818	83	103091	50.475 ug/l	97
48) Methyl methacrylate	7.690	41	86162	51.962 ug/l	99
49) 1,4-Dioxane	7.665	88	37602	1056.949 ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	561087	262.440 ug/l	99
52) Toluene	8.714	92	182775	50.199 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	99925	48.347 ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	113036	49.051 ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	70192	50.149 ug/l	98
56) Ethyl methacrylate	9.116	69	115029	50.884 ug/l	98
57) 1,3-Dichloropropane	9.305	76	123396	50.387 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	291354	262.486 ug/l	99
59) 2-Hexanone	9.427	43	413528	268.451 ug/l	98
60) Dibromochloromethane	9.519	129	74939	50.063 ug/l	98
61) 1,2-Dibromoethane	9.604	107	72417	51.047 ug/l	98
64) Tetrachloroethene	9.269	164	54627	46.738 ug/l	95
65) Chlorobenzene	10.079	112	191785	48.179 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	61604	48.081 ug/l	100
67) Ethyl Benzene	10.189	91	346217	49.286 ug/l	99
68) m/p-Xylenes	10.299	106	253750	97.924 ug/l	97
69) o-Xylene	10.640	106	126016	48.465 ug/l	98
70) Styrene	10.653	104	211083	50.389 ug/l	99
71) Bromoform	10.799	173	46897	49.045 ug/l #	100
73) Isopropylbenzene	10.957	105	325195	49.916 ug/l	100
74) N-amyl acetate	10.842	43	151270	51.312 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	109803	49.048 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	115301	64.274 ug/l	83
77) Bromobenzene	11.195	156	73059	49.464 ug/l	99
78) n-propylbenzene	11.299	91	379500	50.468 ug/l	100
79) 2-Chlorotoluene	11.360	91	223727	48.410 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	267127	50.528 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31501	45.171 ug/l	96
82) 4-Chlorotoluene	11.451	91	257507	50.364 ug/l	100
83) tert-Butylbenzene	11.713	119	265793	49.697 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	266991	51.168 ug/l	100
85) sec-Butylbenzene	11.890	105	334004	50.433 ug/l	100
86) p-Isopropyltoluene	12.006	119	269485	50.599 ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	132254	48.692 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	131837	48.007 ug/l	99
89) n-Butylbenzene	12.329	91	242069	51.376 ug/l	99
90) Hexachloroethane	12.536	117	47525	47.657 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	133599	50.047 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20660	50.565 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	79706	49.345 ug/l	99
94) Hexachlorobutadiene	13.725	225	30093	46.929 ug/l	99
95) Naphthalene	13.774	128	299256	51.251 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	80826	49.658 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

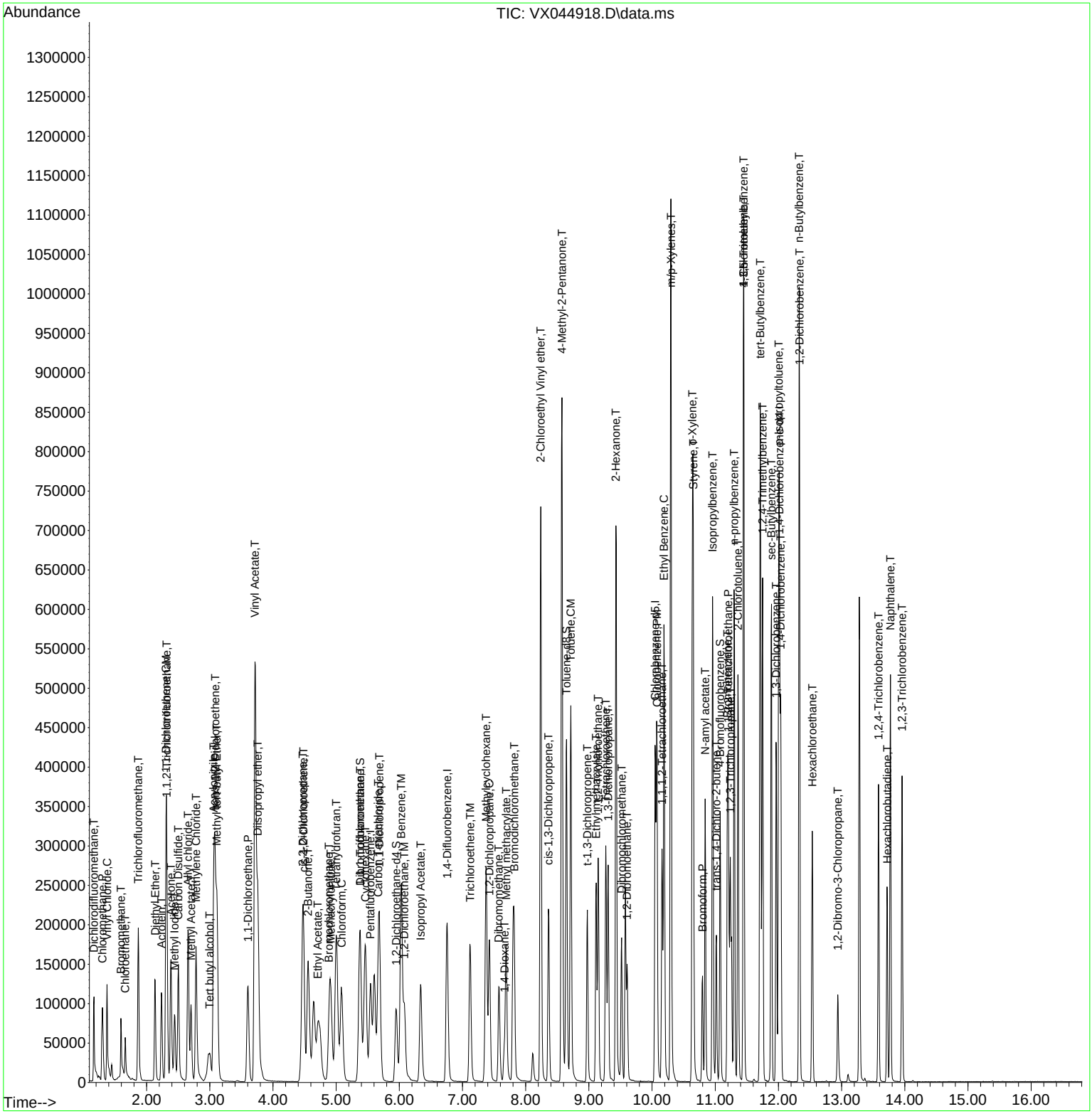
(#) = qualifier out of range (m) = manual integration (+) = signals summed

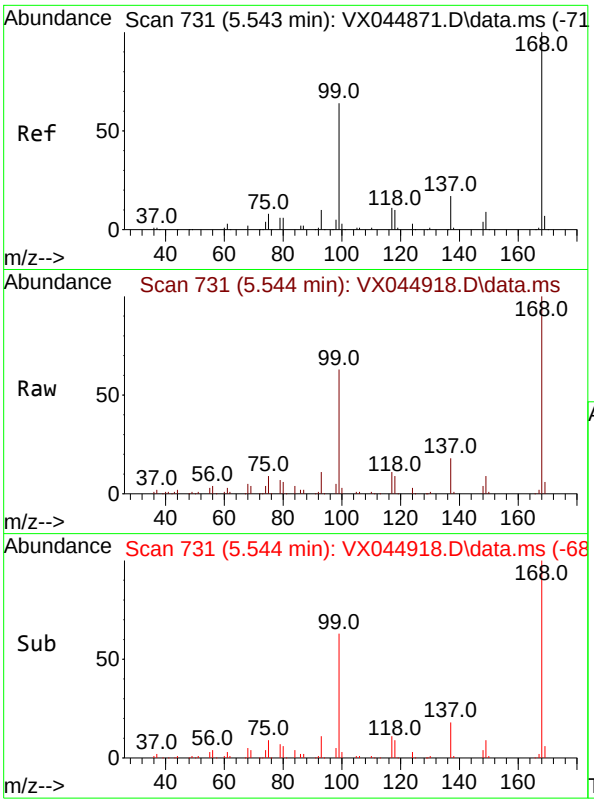
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



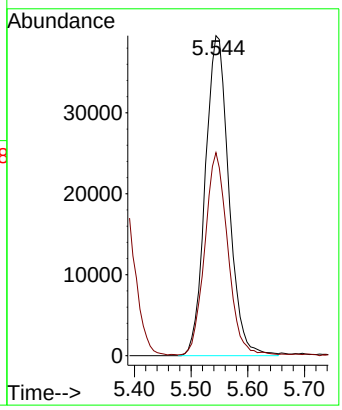


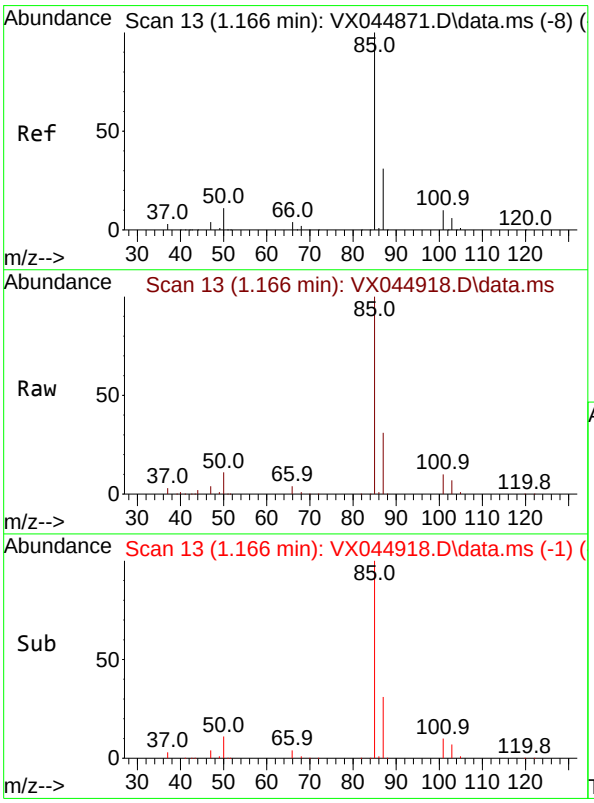
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 114065

Ion	Ratio	Lower	Upper
168	100		
99	63.2	51.2	76.8

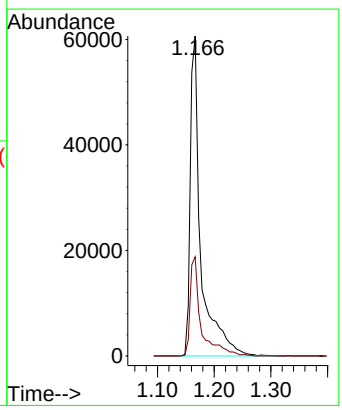


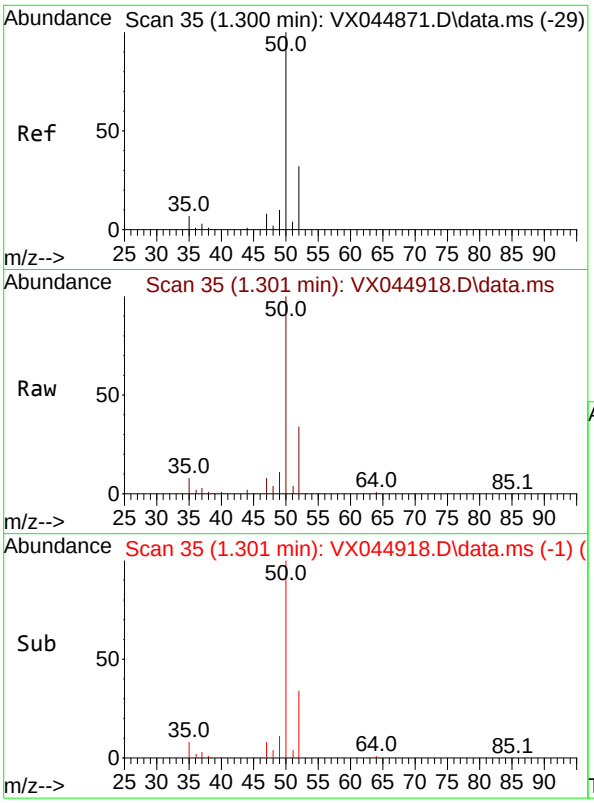


#2
Dichlorodifluoromethane
Concen: 49.419 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 85 Resp: 79061

Ion	Ratio	Lower	Upper
85	100		
87	31.0	15.8	47.3



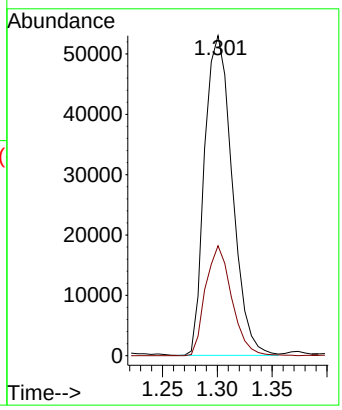


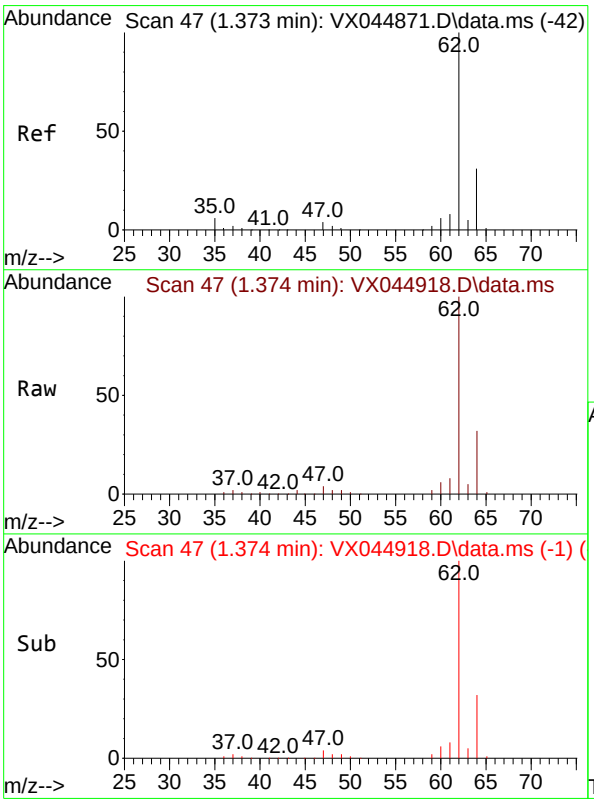
#3
Chloromethane
Concen: 47.674 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 92827

Ion	Ratio	Lower	Upper
50	100		
52	34.4	25.9	38.9

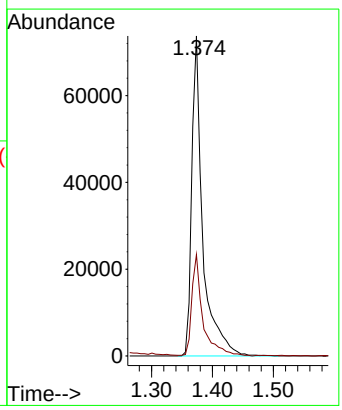


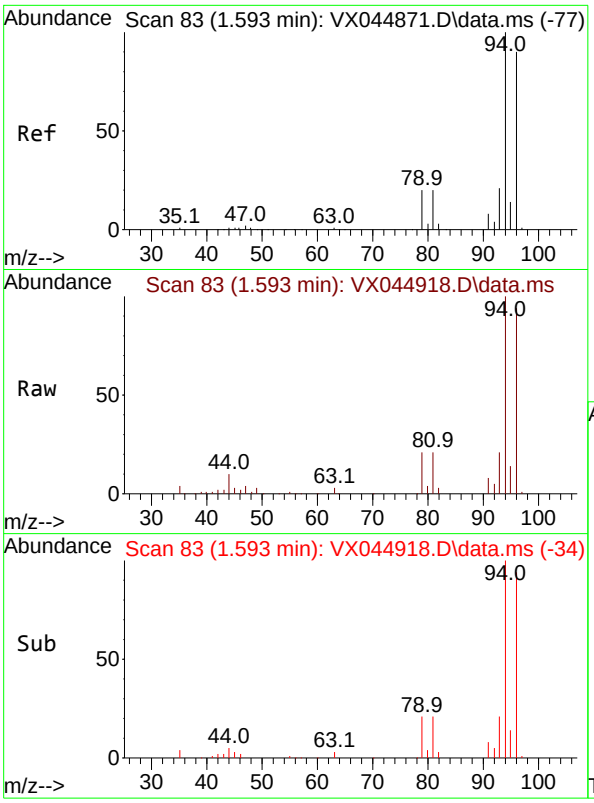


#4
Vinyl Chloride
Concen: 48.959 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 62 Resp: 92352

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.4	38.0



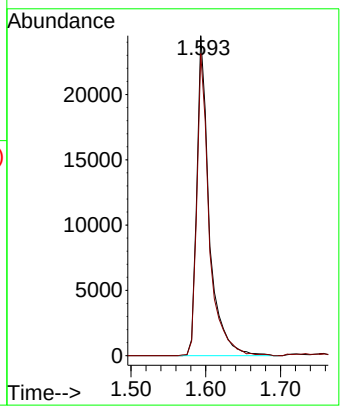


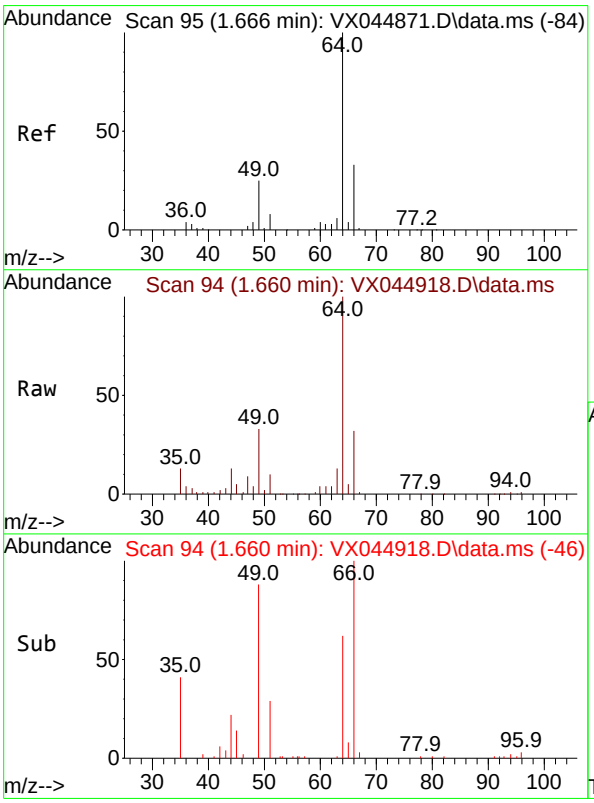
#5
Bromomethane
Concen: 50.267 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 28374

Ion	Ratio	Lower	Upper
94	100		
96	94.4	71.6	107.4

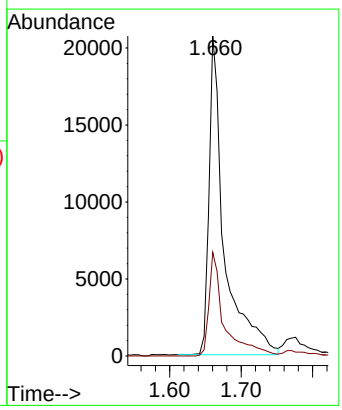


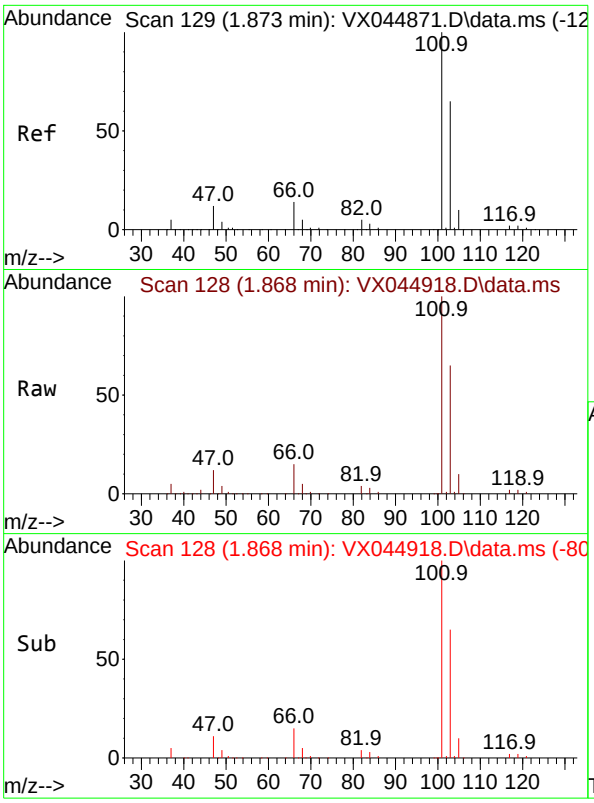


#6
Chloroethane
Concen: 40.693 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 64 Resp: 30841

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.9	38.9



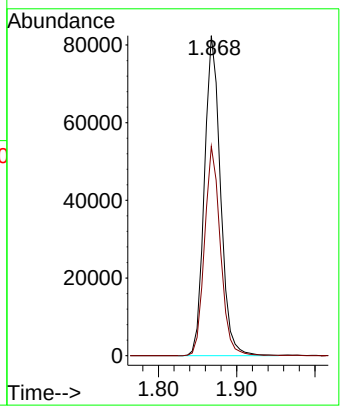


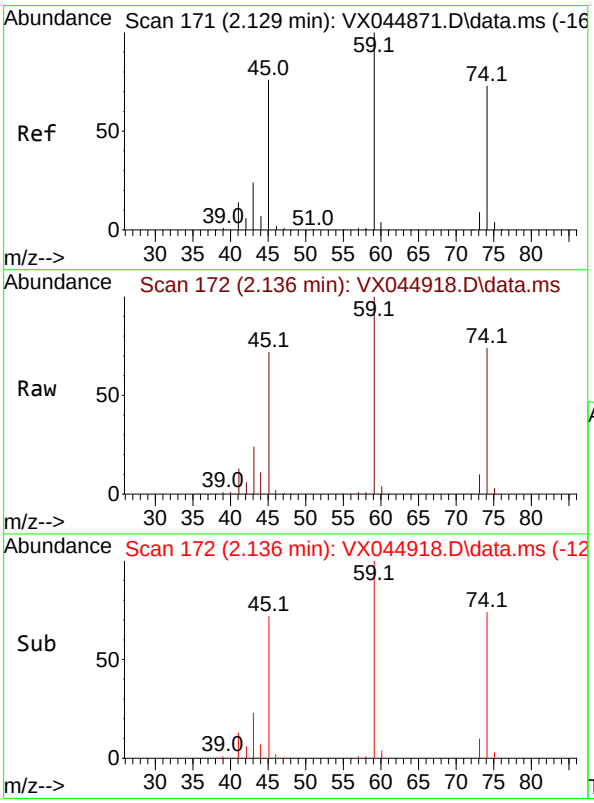
#7
Trichlorofluoromethane
Concen: 48.991 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.005 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 116867

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.4	78.6

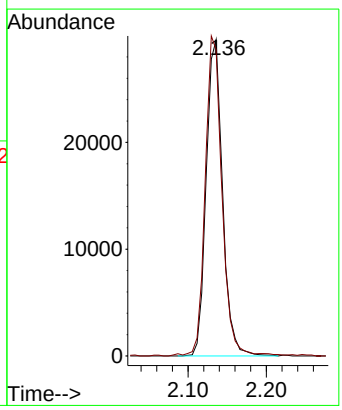


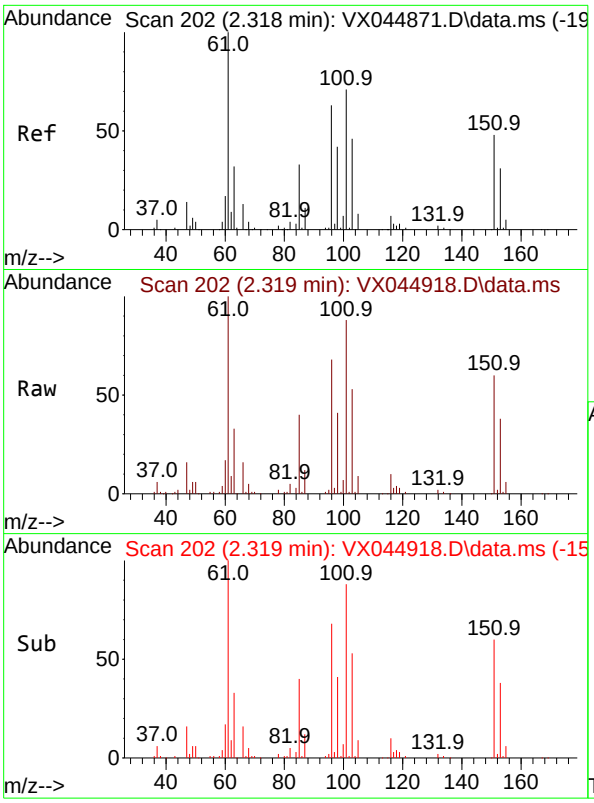


#8
Diethyl Ether
Concen: 49.531 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.007 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 74 Resp: 42851

Ion	Ratio	Lower	Upper
74	100		
45	103.9	51.1	153.4



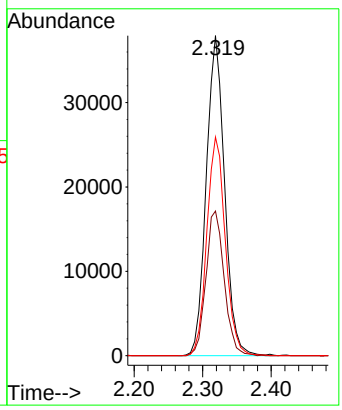


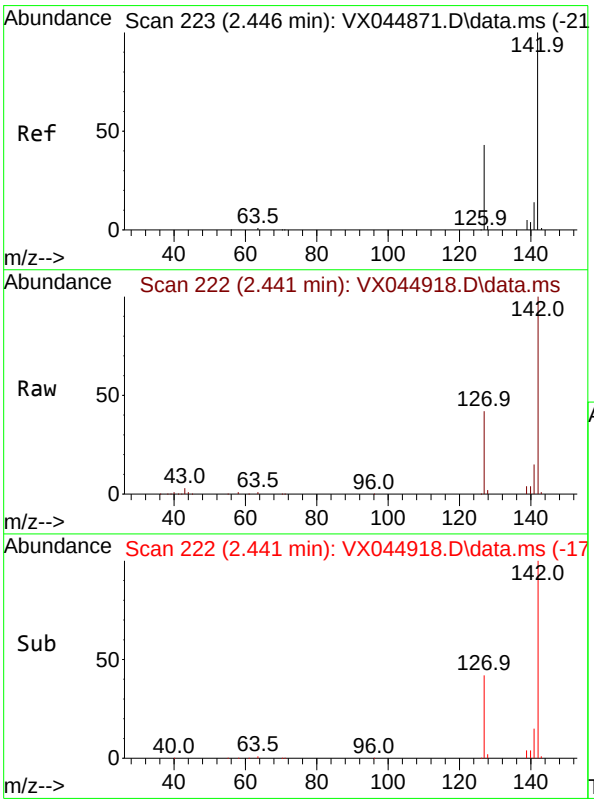
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.954 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 70557

Ion	Ratio	Lower	Upper
101	100		
85	45.2	35.7	53.5
151	68.9	56.0	84.0

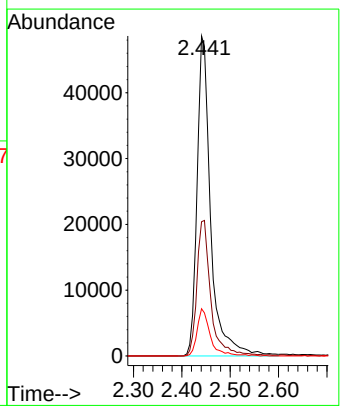


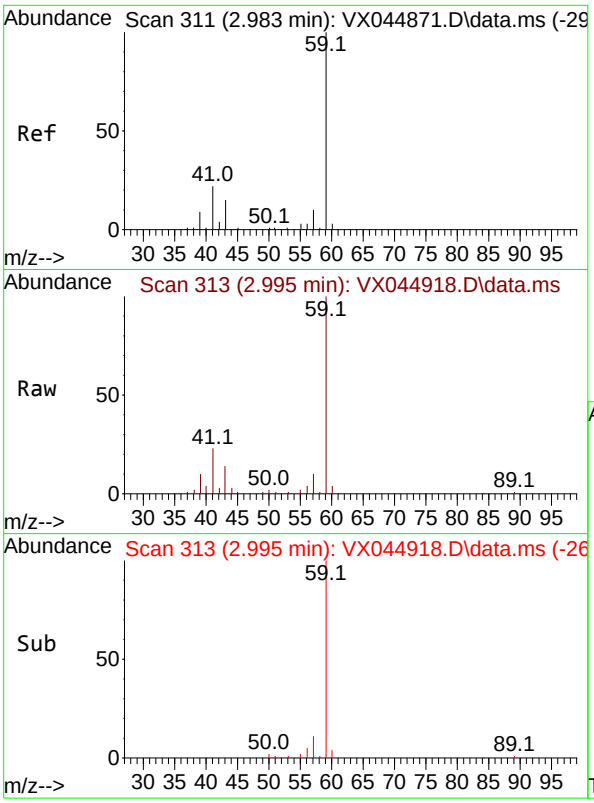


#10
Methyl Iodide
Concen: 50.957 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:142 Resp: 95185

Ion	Ratio	Lower	Upper
142	100		
127	43.2	34.3	51.5
141	14.3	11.4	17.2



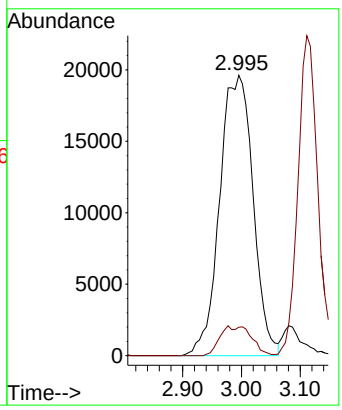


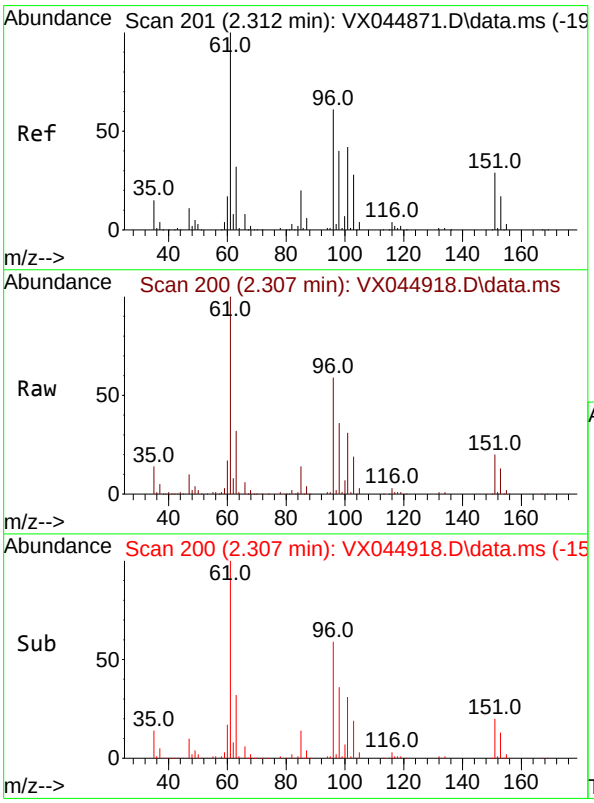
#11
Tert butyl alcohol
Concen: 250.247 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.013 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 77516

Ion	Ratio	Lower	Upper
59	100		
57	4.2	8.1	12.1#

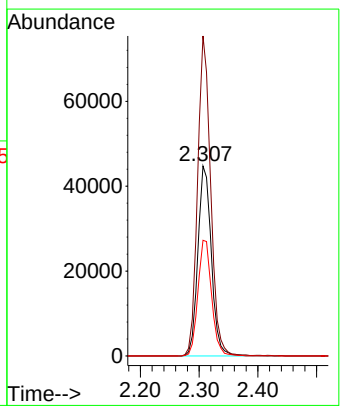


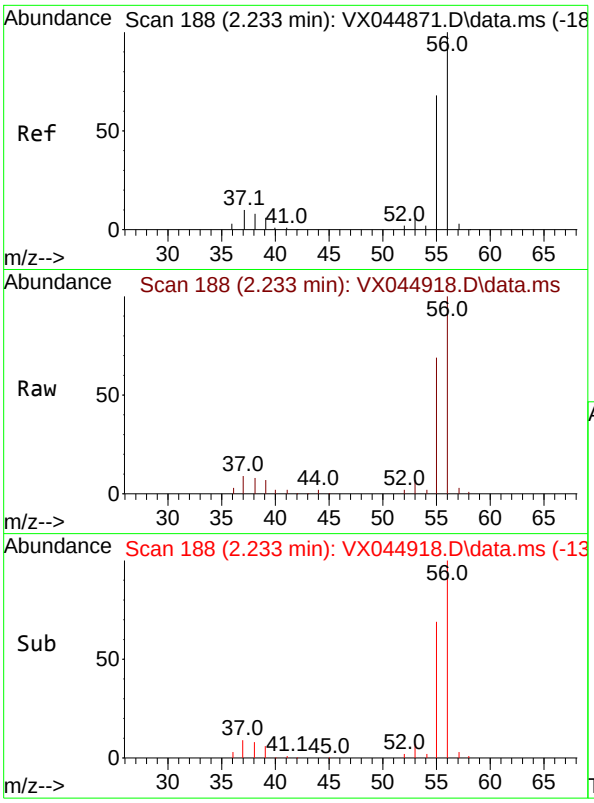


#12
1,1-Dichloroethene
Concen: 48.335 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 96 Resp: 71063

Ion	Ratio	Lower	Upper
96	100		
61	168.5	130.2	195.4
98	60.9	52.2	78.4



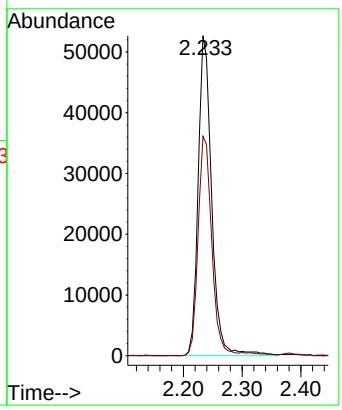


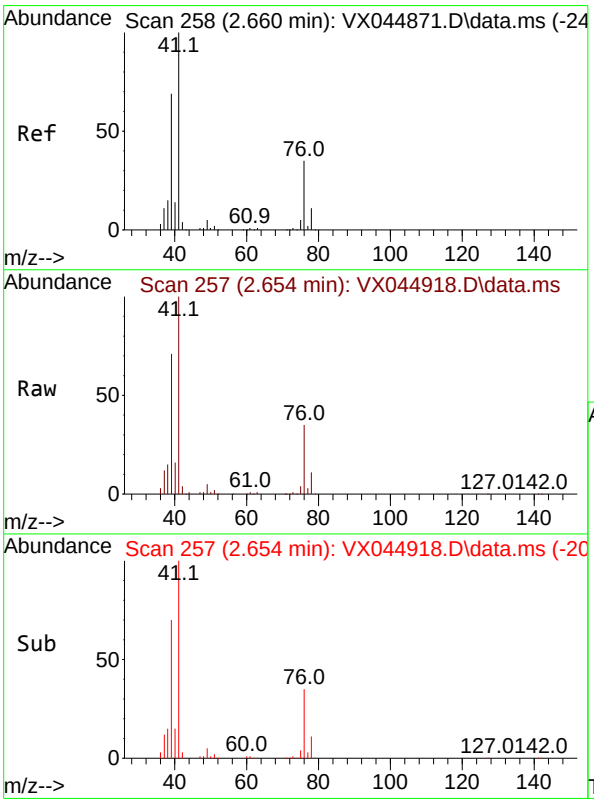
#13
Acrolein
Concen: 263.373 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 84172

Ion	Ratio	Lower	Upper
56	100		
55	69.1	55.7	83.5

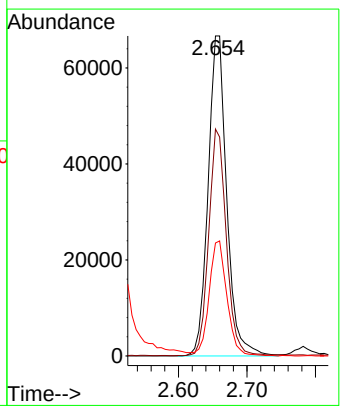


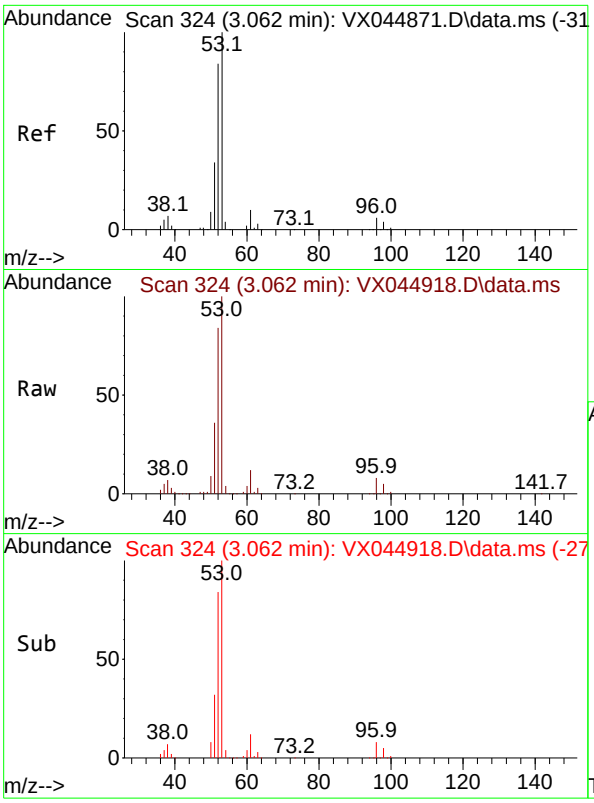


#14
Allyl chloride
Concen: 47.412 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 41 Resp: 125975

Ion	Ratio	Lower	Upper
41	100		
39	66.5	51.4	77.2
76	34.4	27.0	40.4



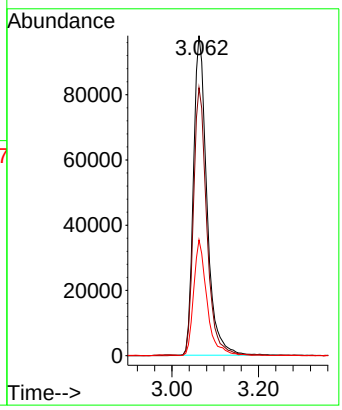


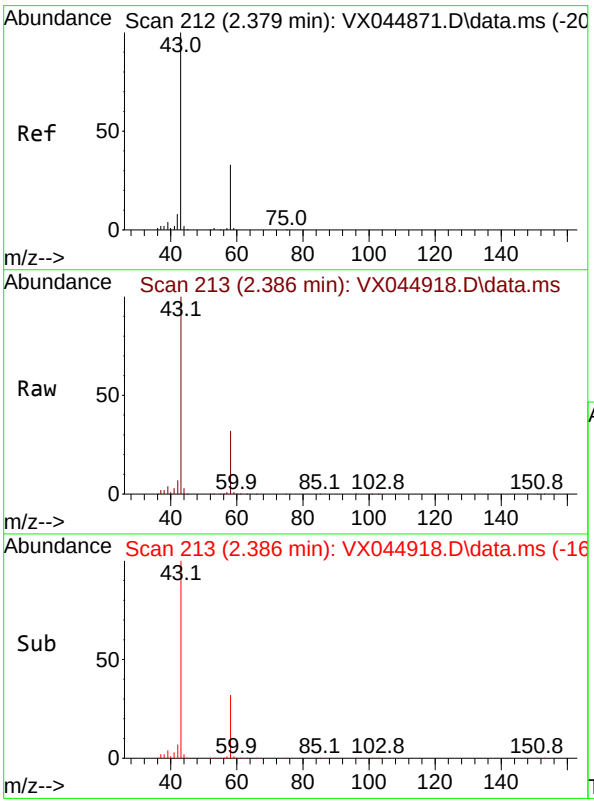
#15
Acrylonitrile
Concen: 254.873 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 210792

Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.0	97.6
51	35.7	28.0	42.0

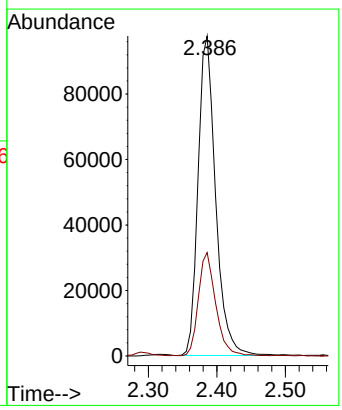


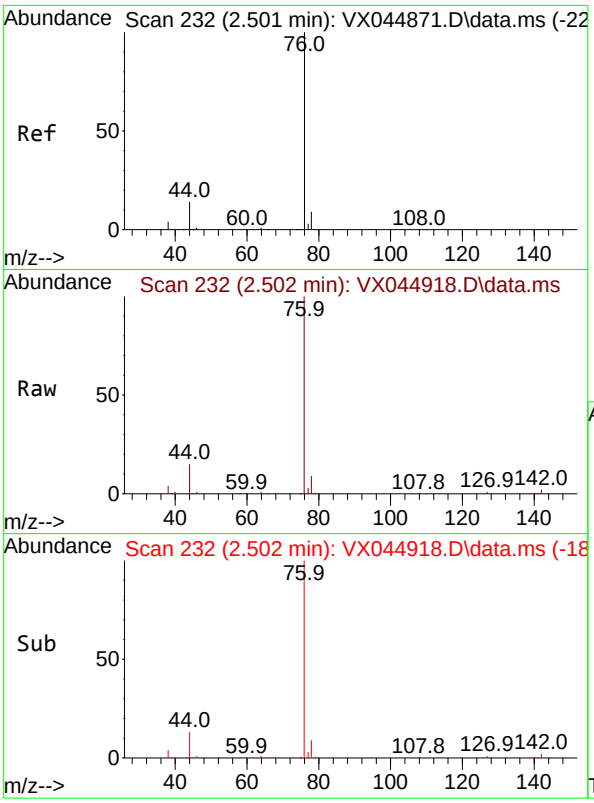


#16
Acetone
Concen: 259.058 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 173889

Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.5	39.7



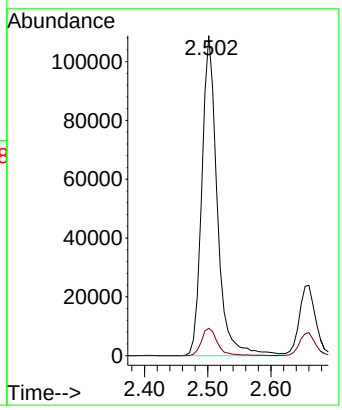


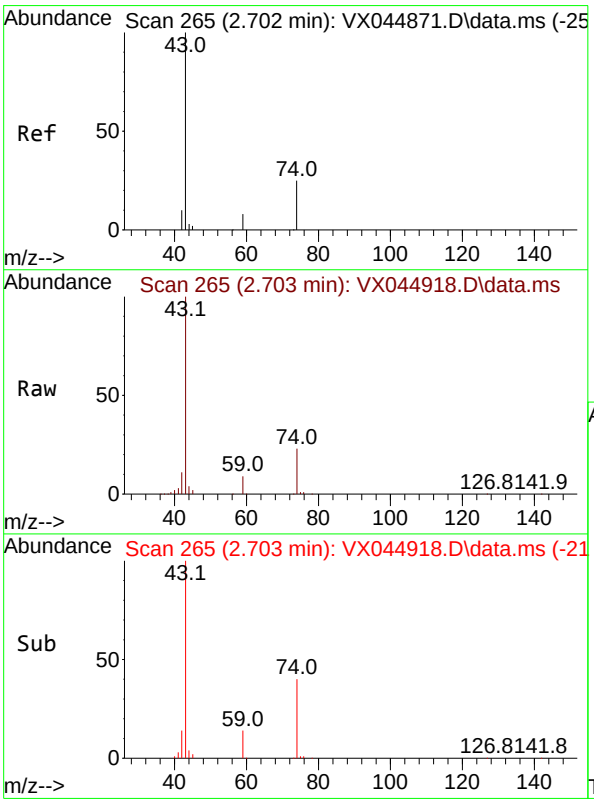
#17
Carbon Disulfide
Concen: 45.780 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 184565

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.4

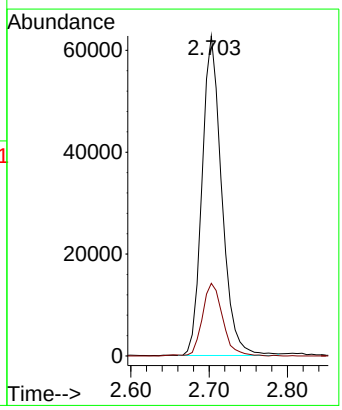


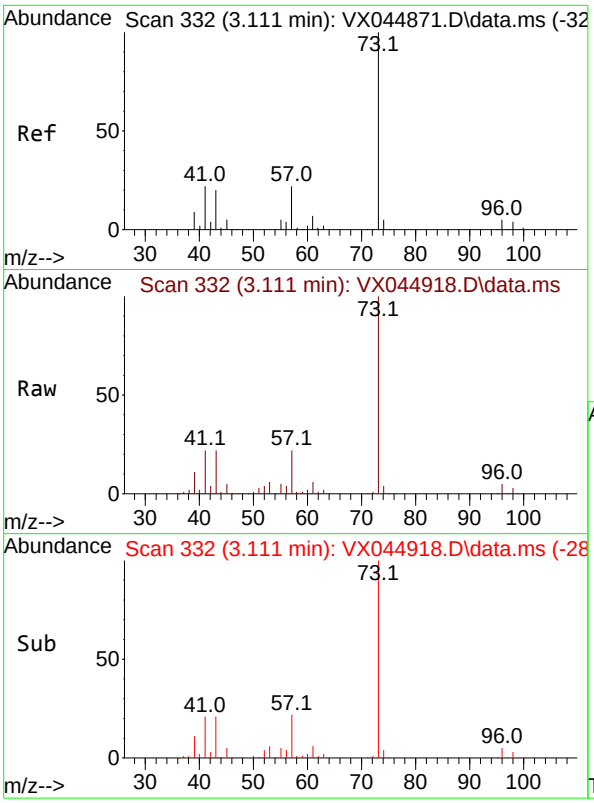


#18
Methyl Acetate
Concen: 51.703 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 109515

Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.9	28.3



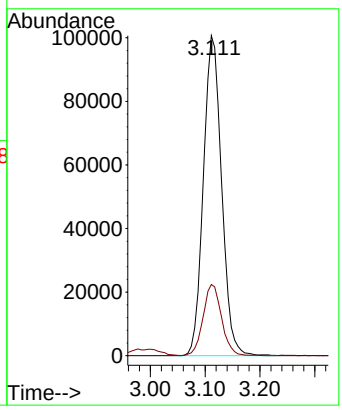


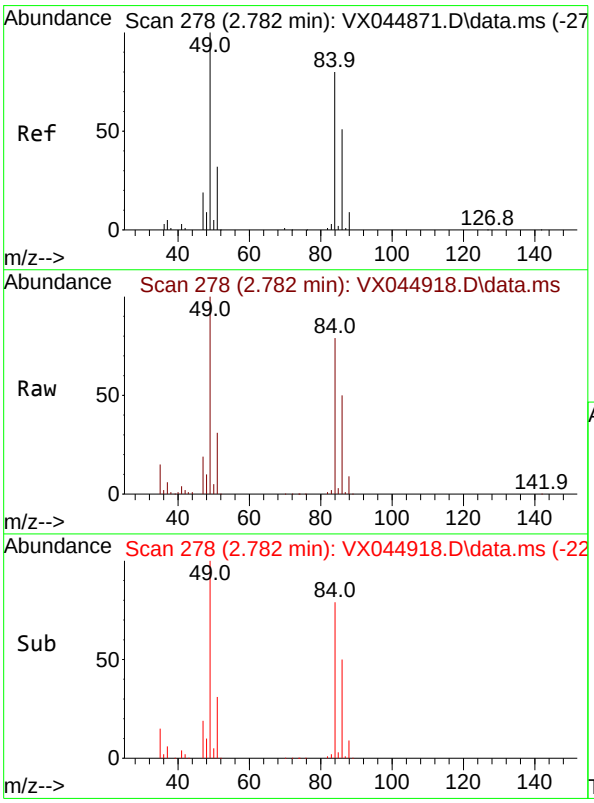
#19
Methyl tert-butyl Ether
Concen: 49.559 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 231822

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

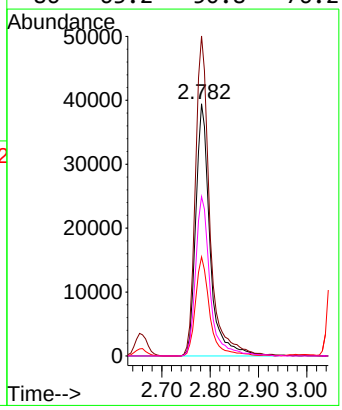


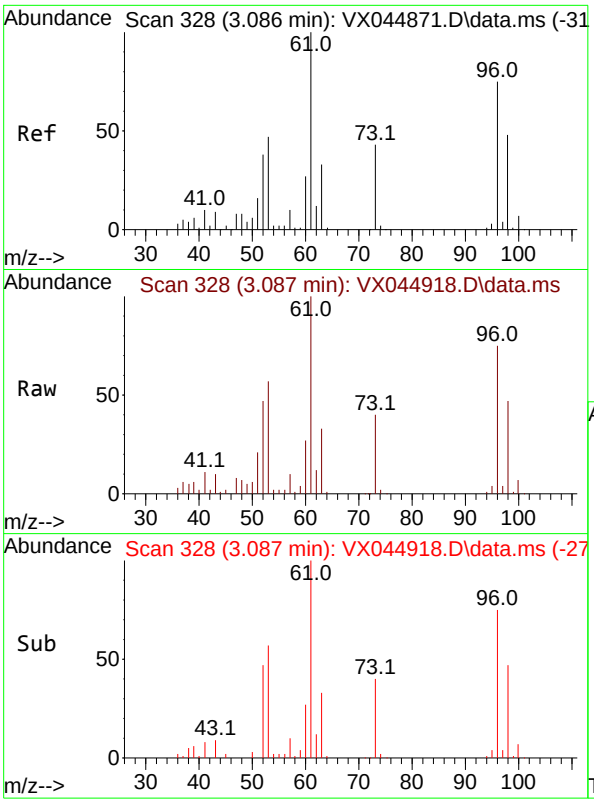


#20
Methylene Chloride
Concen: 48.945 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 84 Resp: 80471

Ion	Ratio	Lower	Upper
84	100		
49	126.9	100.1	150.1
51	39.3	31.7	47.5
86	63.2	50.8	76.2



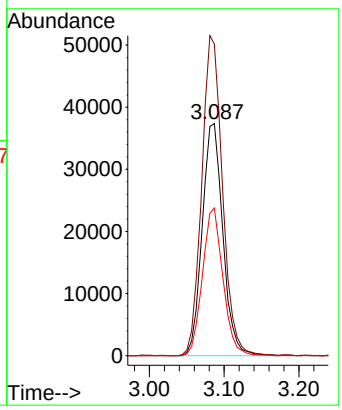


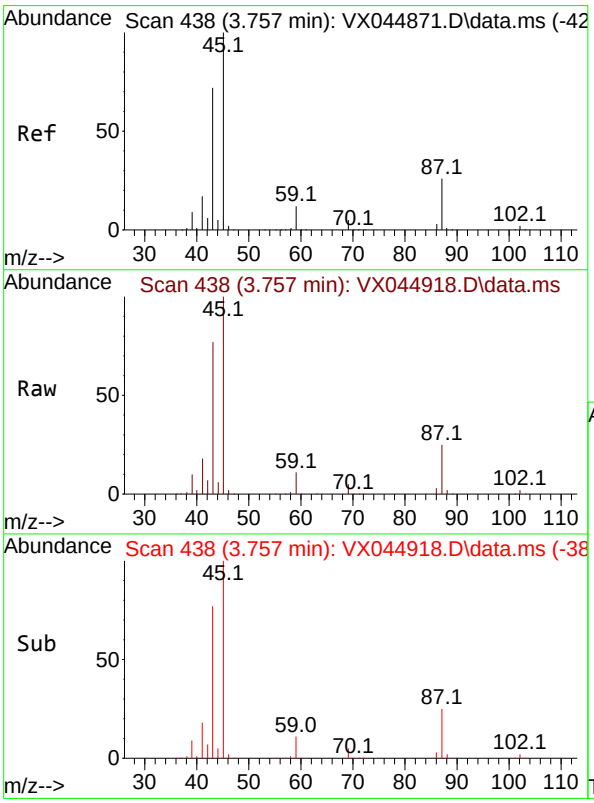
#21
trans-1,2-Dichloroethene
Concen: 49.636 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 71823

Ion	Ratio	Lower	Upper
96	100		
61	134.2	106.0	159.0
98	63.6	50.6	76.0

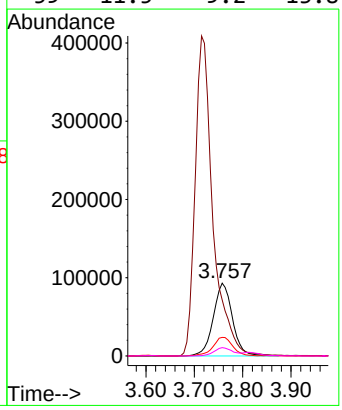


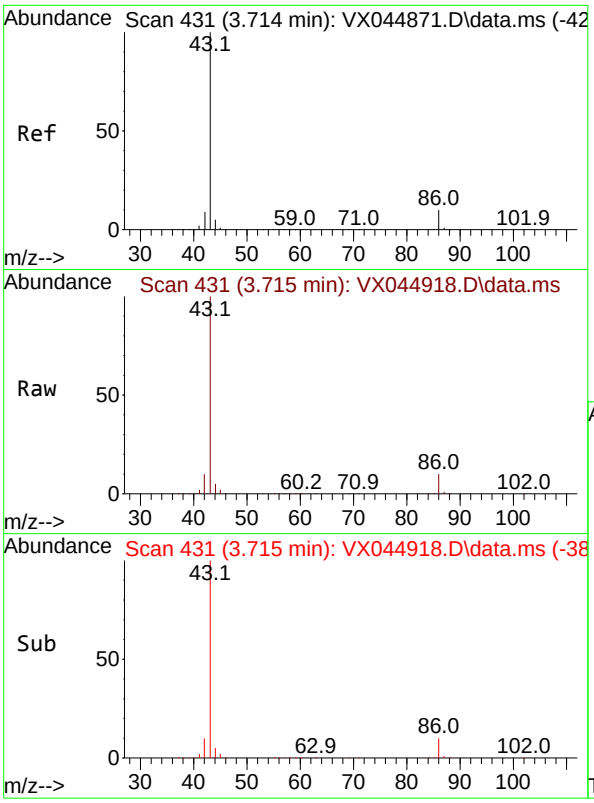


#22
Diisopropyl ether
Concen: 50.840 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 45 Resp: 255564

Ion	Ratio	Lower	Upper
45	100		
43	76.9	58.0	87.0
87	25.5	20.7	31.1
59	11.5	9.2	13.8



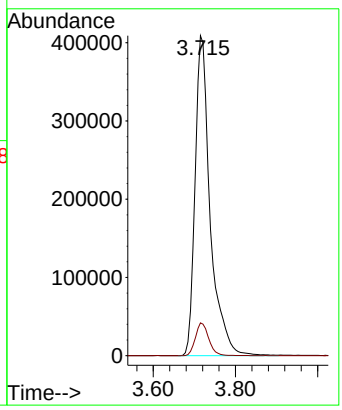


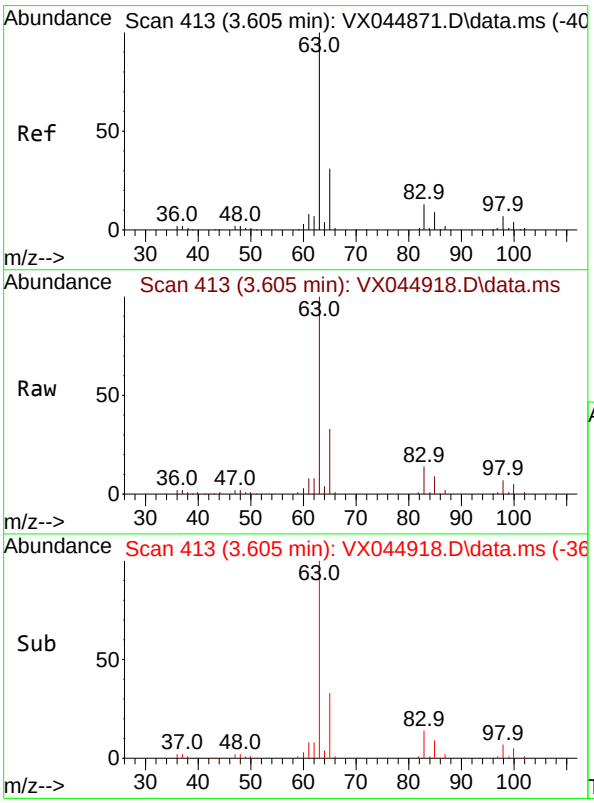
#23
Vinyl Acetate
Concen: 254.613 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1043434

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.3	12.5

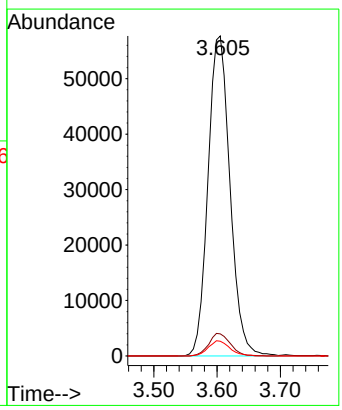


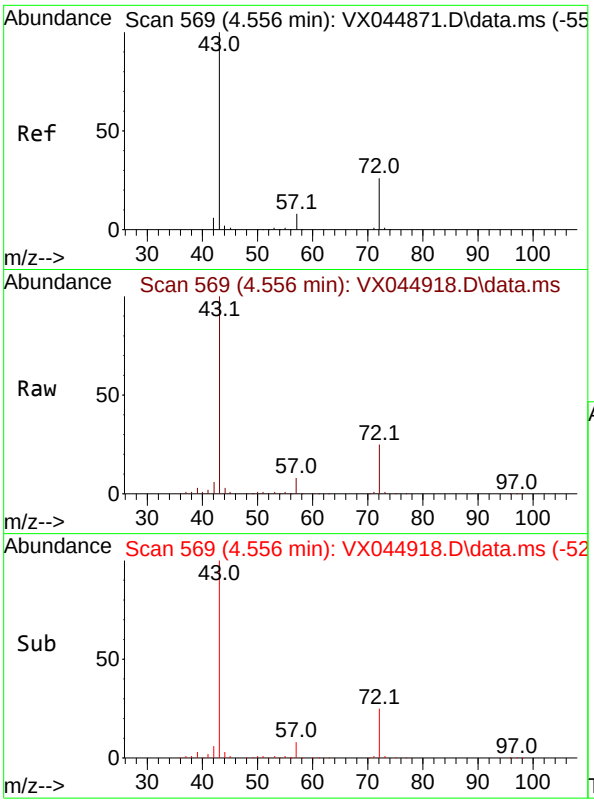


#24
1,1-Dichloroethane
Concen: 49.527 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 63 Resp: 139303

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.9
100	4.6	2.1	6.5



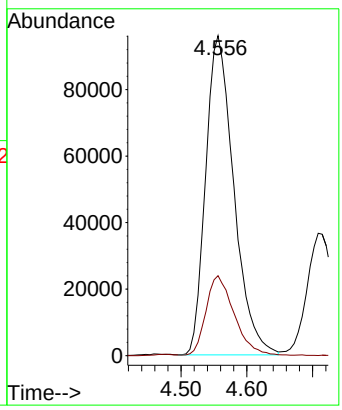


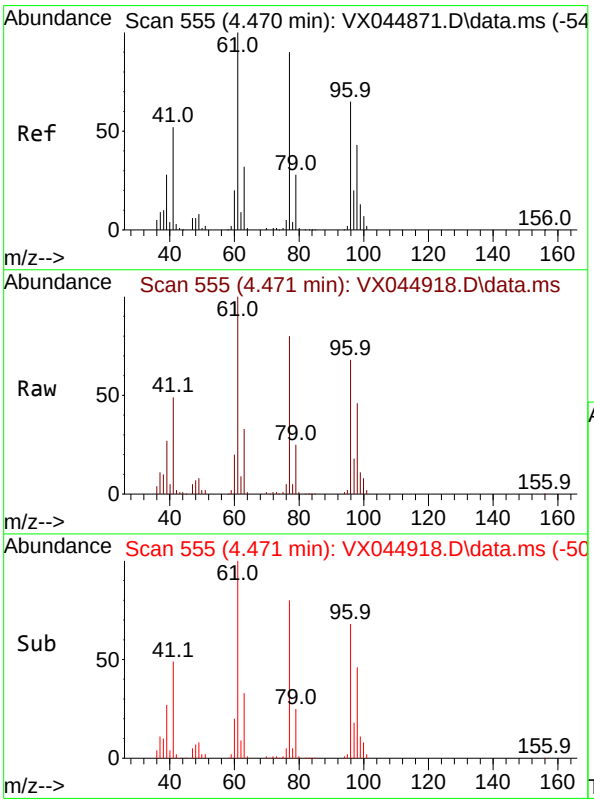
#25
2-Butanone
Concen: 262.259 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 285853

Ion	Ratio	Lower	Upper
43	100		
72	24.8	21.2	31.8

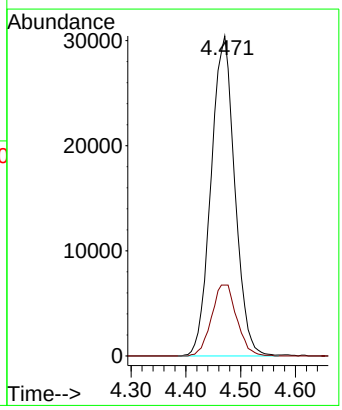


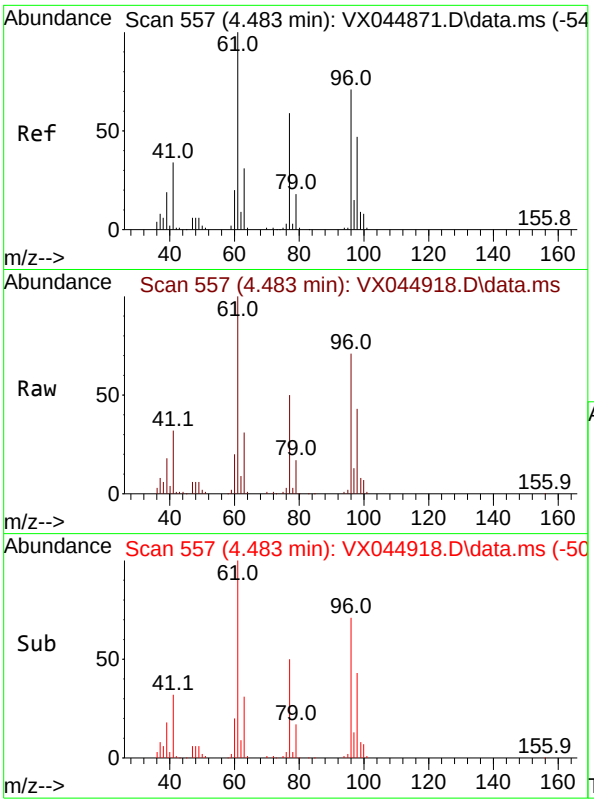


#26
2,2-Dichloropropane
Concen: 41.086 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 77 Resp: 91644

Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.8	35.3



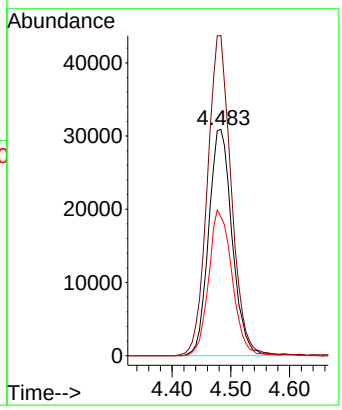


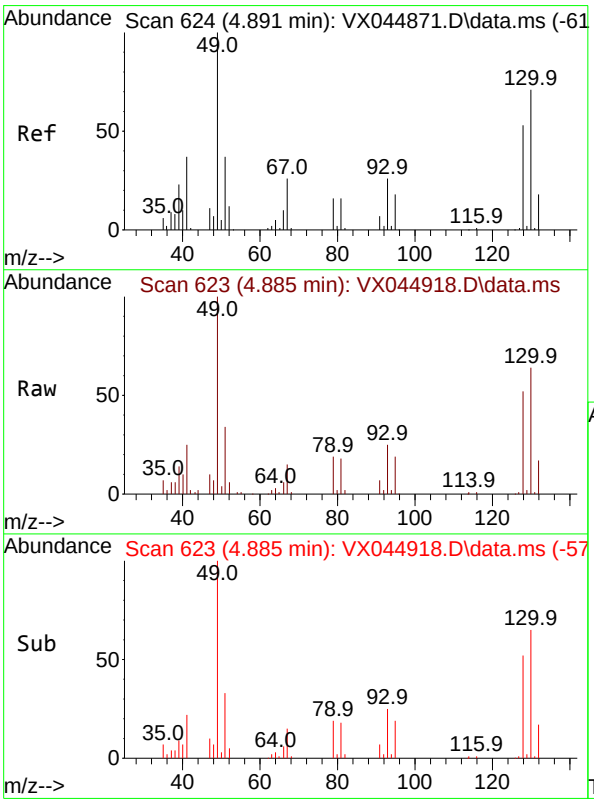
#27
cis-1,2-Dichloroethene
Concen: 49.402 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 85866

Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	294.0
98	64.0	0.0	131.2

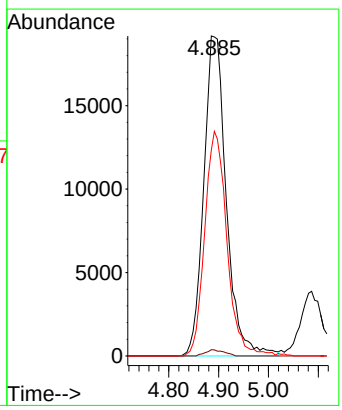


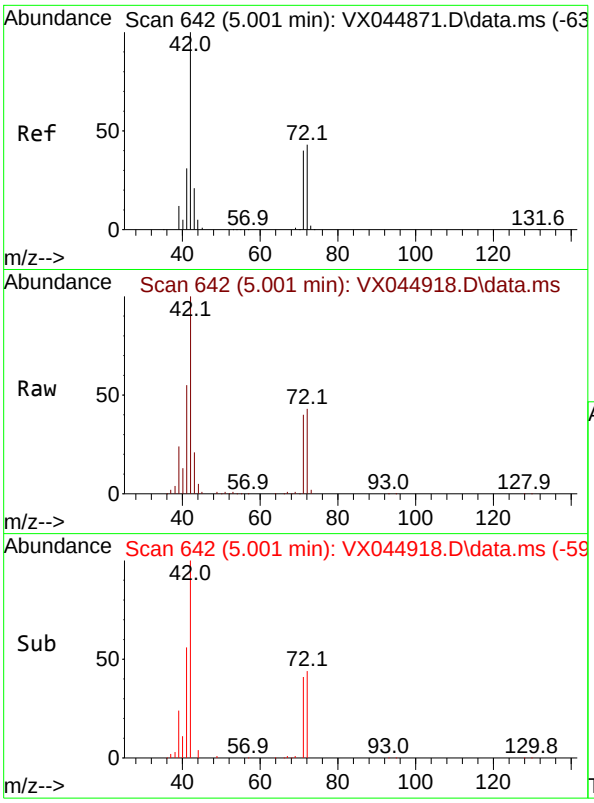


#28
Bromochloromethane
Concen: 44.575 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 49 Resp: 60252

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	69.4	56.7	85.1



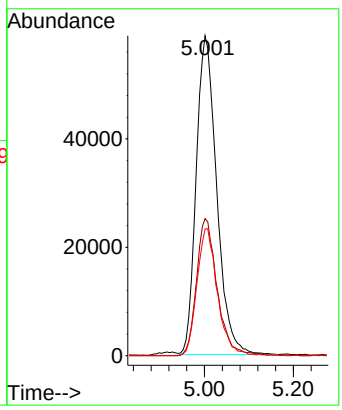


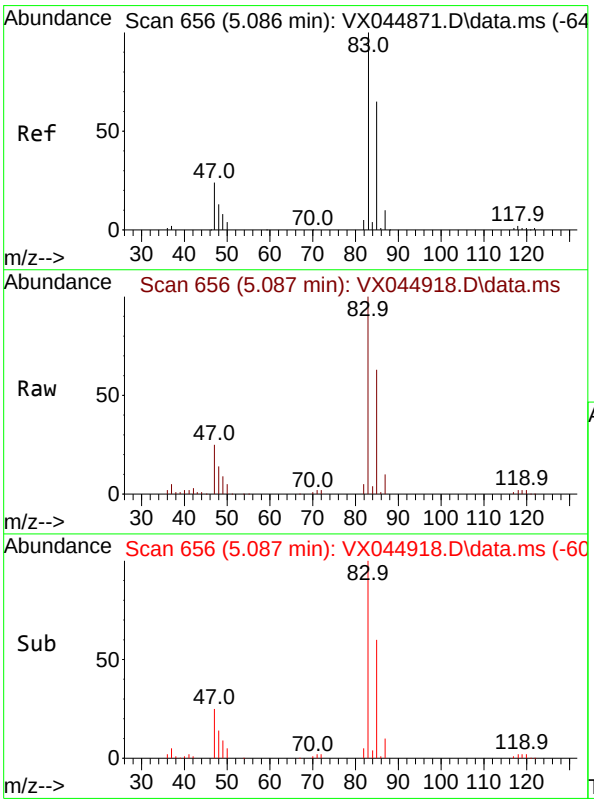
#29
Tetrahydrofuran
Concen: 260.913 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 188839

Ion	Ratio	Lower	Upper
42	100		
72	43.2	35.0	52.4
71	39.6	32.6	48.8

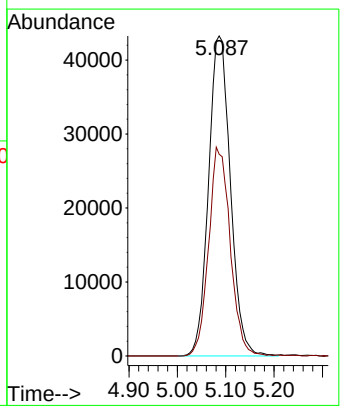


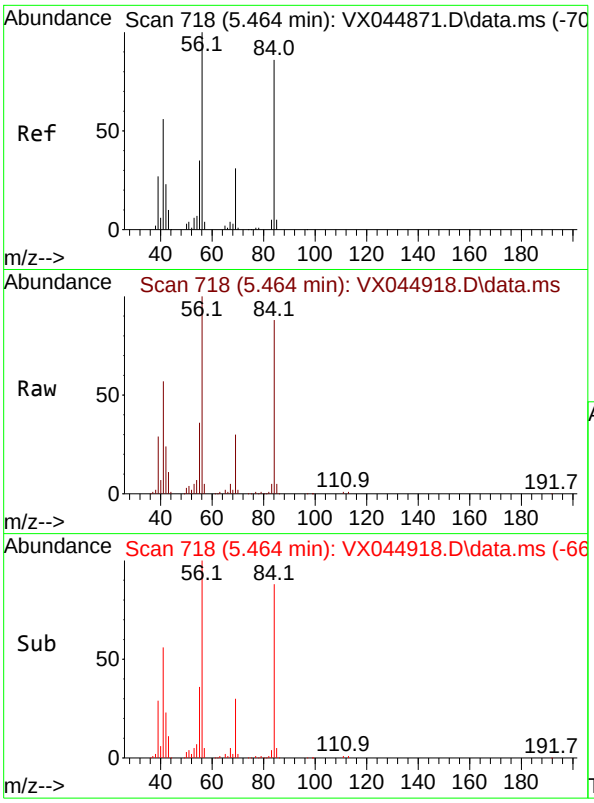


#30
Chloroform
Concen: 49.806 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 83 Resp: 135857

Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.1	78.1



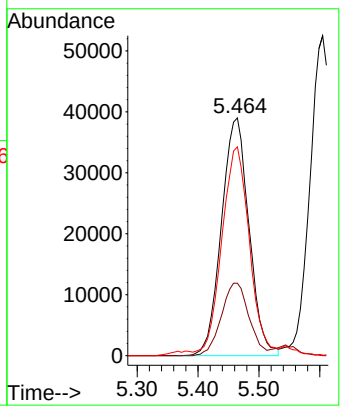


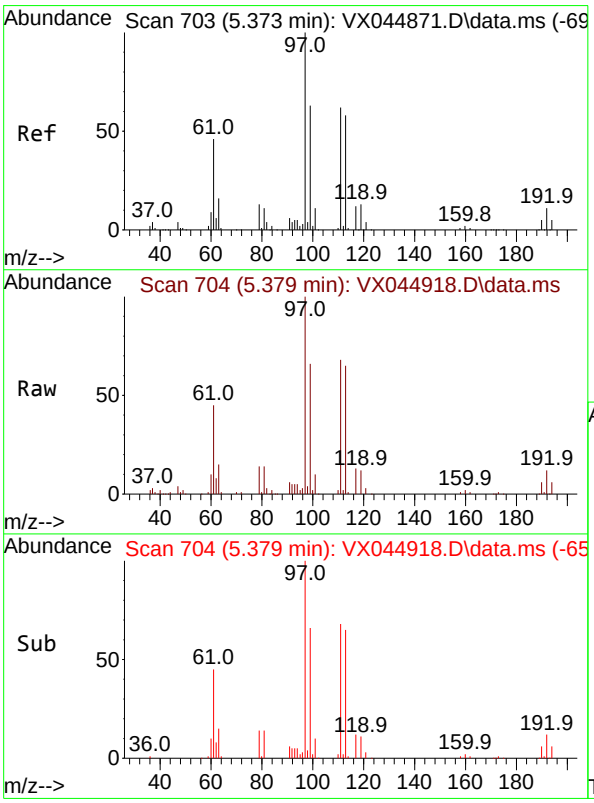
#31
Cyclohexane
Concen: 47.217 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 122435

Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	85.9	69.0	103.6

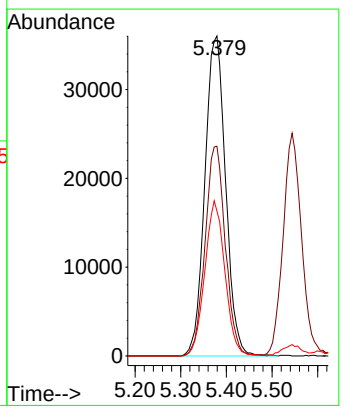


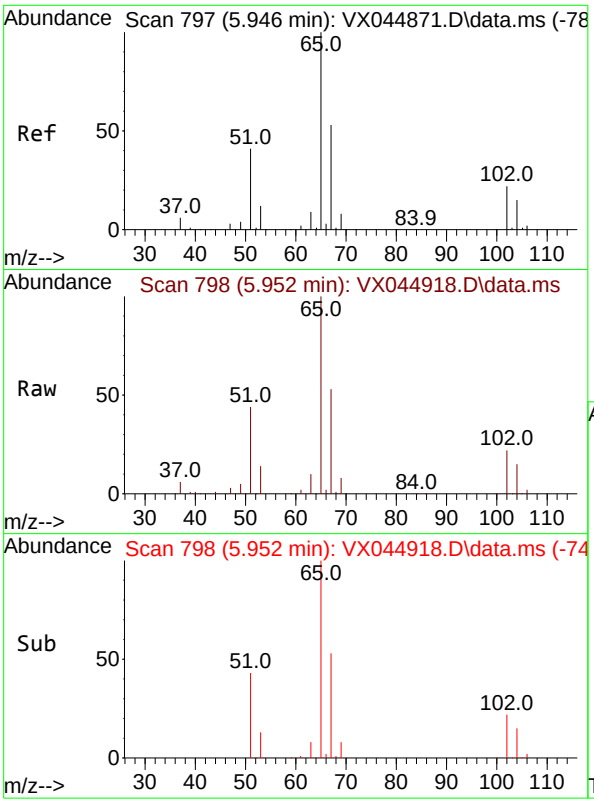


#32
1,1,1-Trichloroethane
Concen: 49.107 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 97 Resp: 113617

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	47.1	36.6	55.0



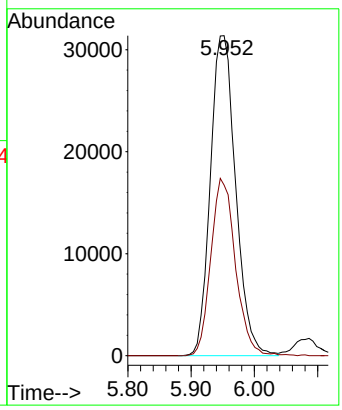


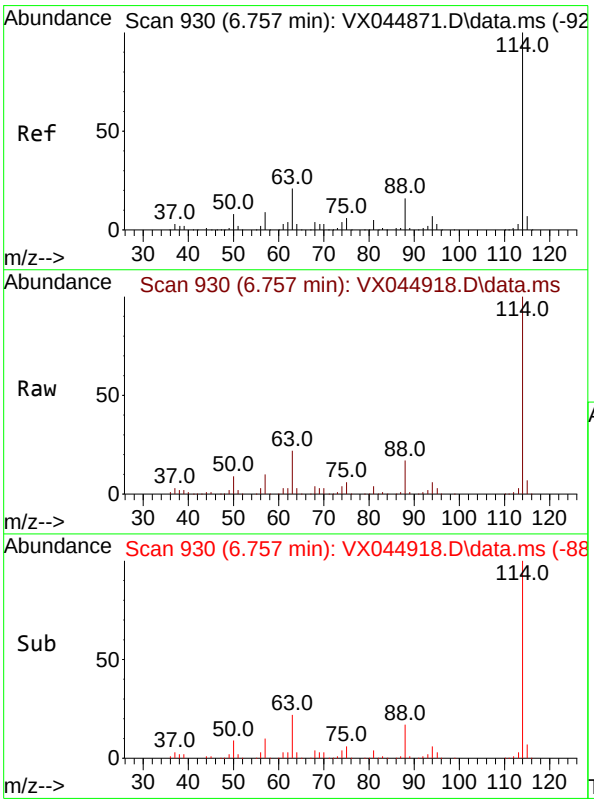
#33
1,2-Dichloroethane-d4
Concen: 52.162 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 87095

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	108.2

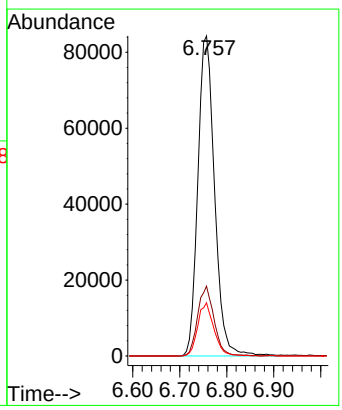


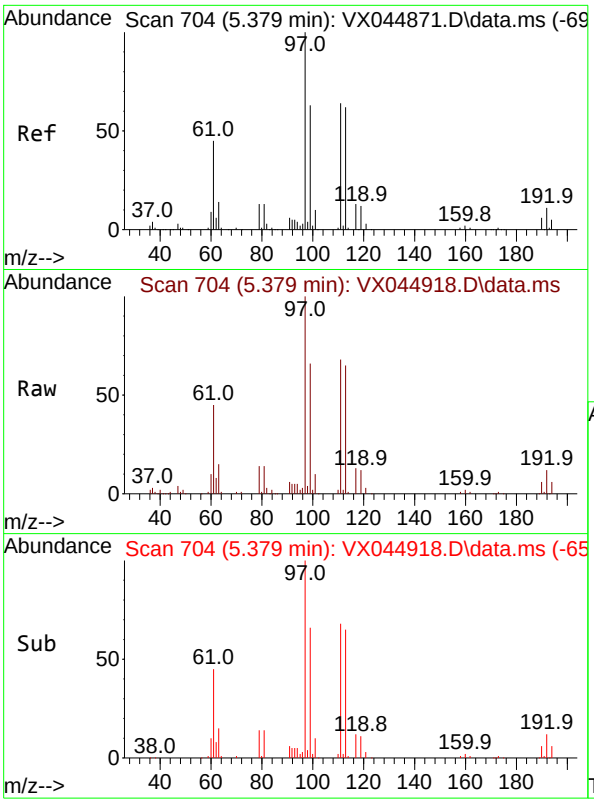


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:114 Resp: 208728

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.4
88	16.6	0.0	31.4



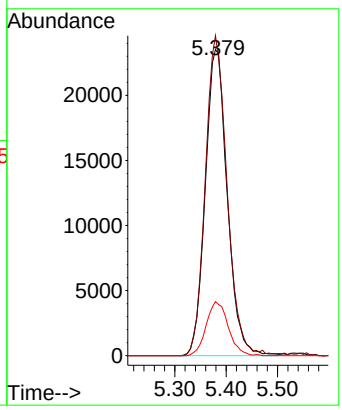


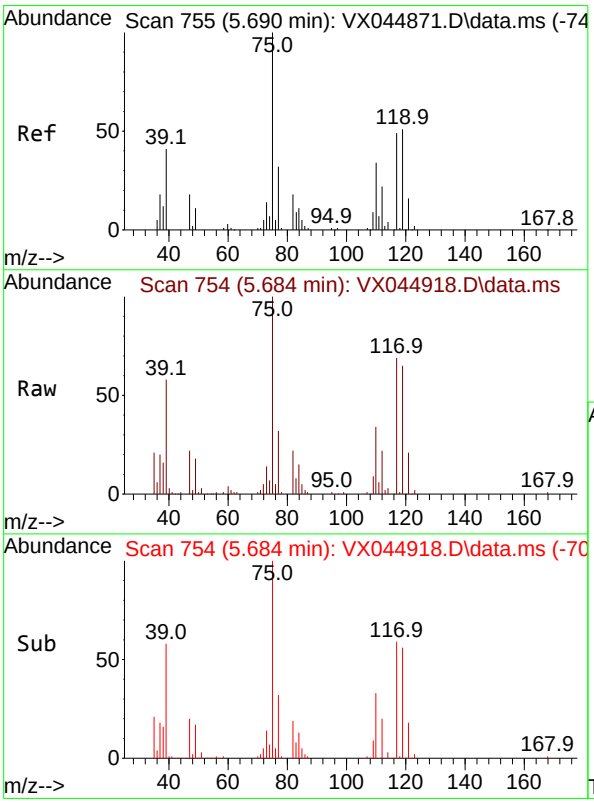
#35
Dibromofluoromethane
Concen: 51.520 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 69917

Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.5	125.3
192	17.7	14.4	21.6

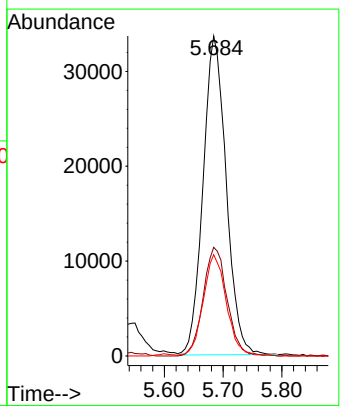


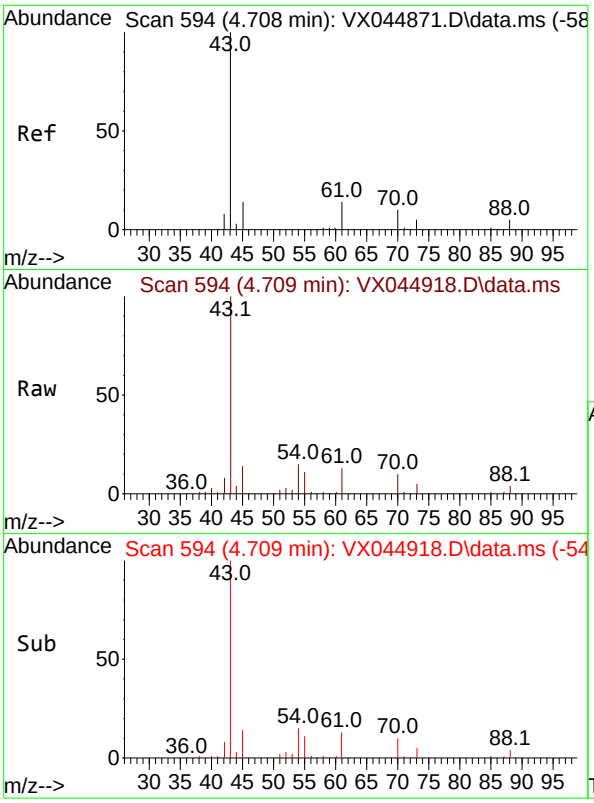


#36
1,1-Dichloropropene
Concen: 46.974 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 91970

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	31.9	24.6	37.0



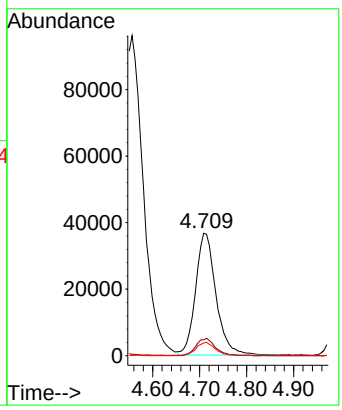


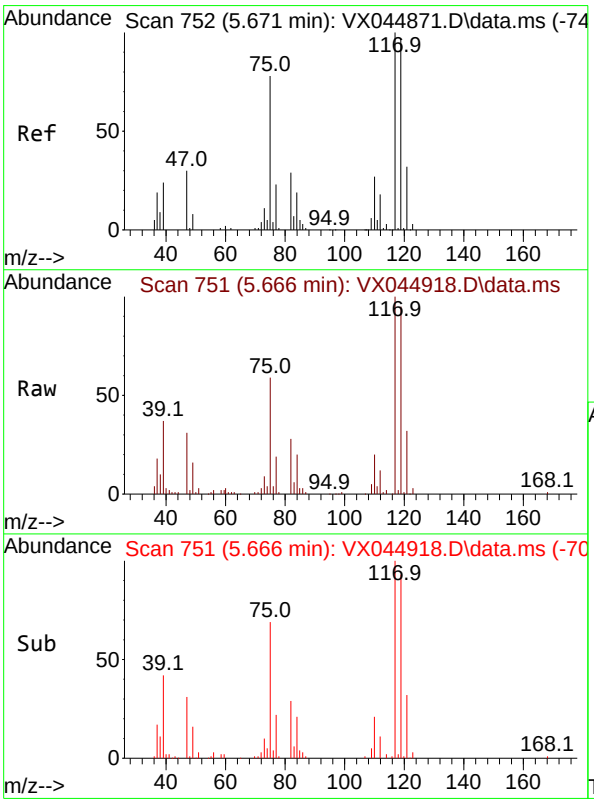
#37
Ethyl Acetate
Concen: 50.702 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 110417

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	10.4	8.2	12.2

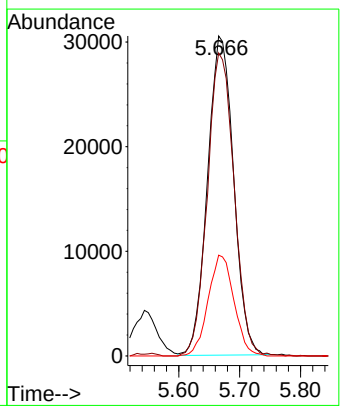


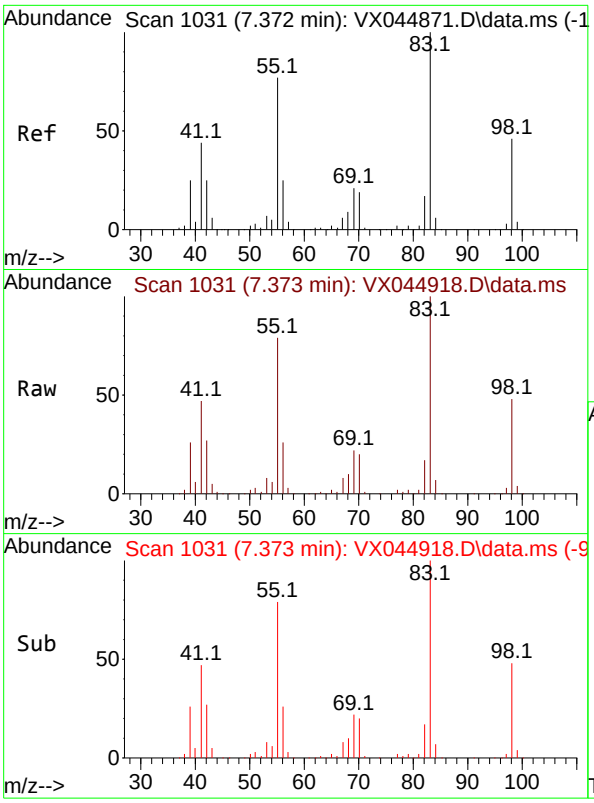


#38
Carbon Tetrachloride
Concen: 47.211 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:117 Resp: 90581

Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.5	116.3
121	31.6	25.6	38.4



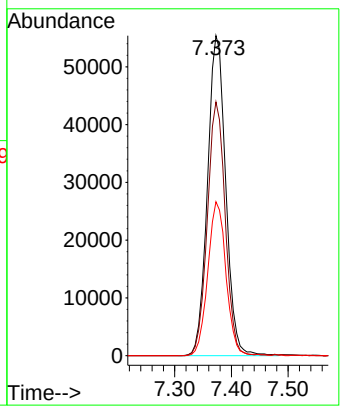


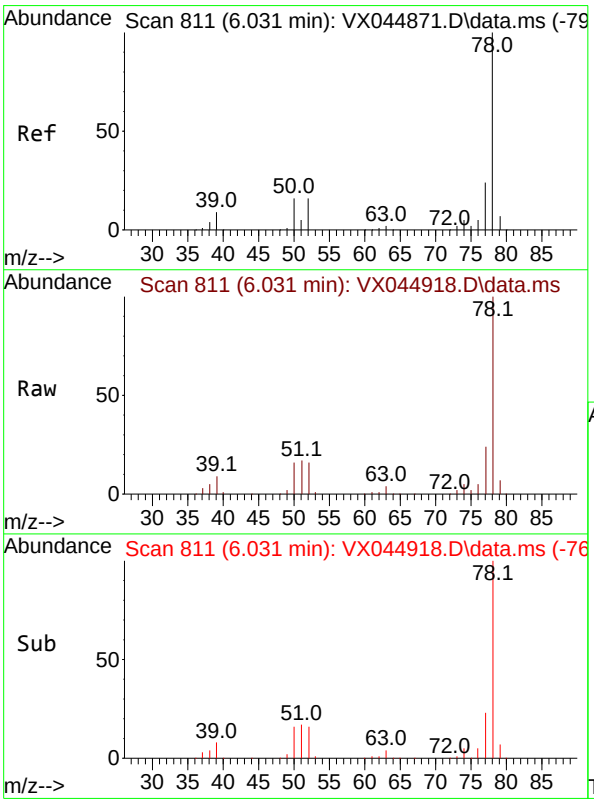
#39
Methylcyclohexane
Concen: 48.896 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 123769

Ion	Ratio	Lower	Upper
83	100		
55	79.3	61.3	91.9
98	48.1	37.0	55.6

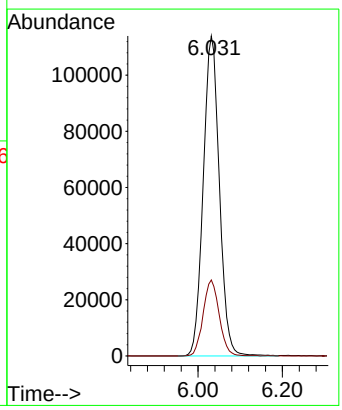


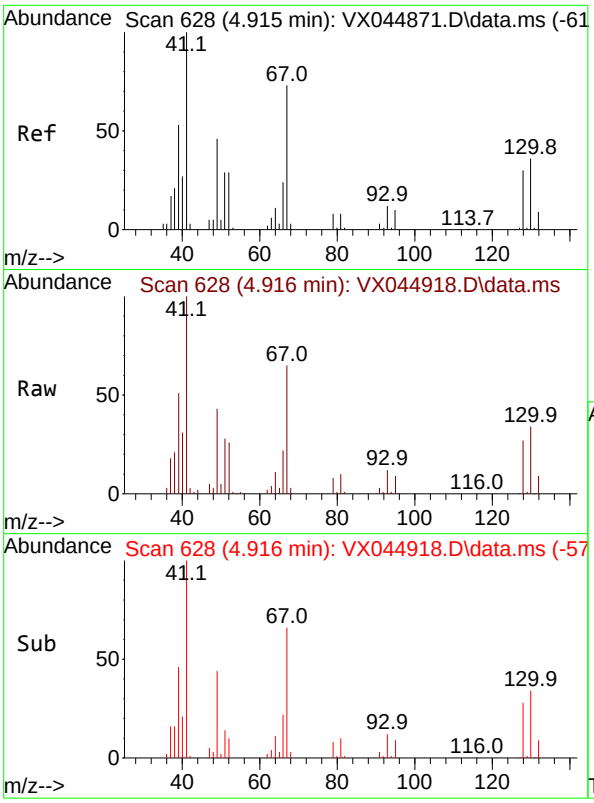


#40
Benzene
Concen: 49.575 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 78 Resp: 303089

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6



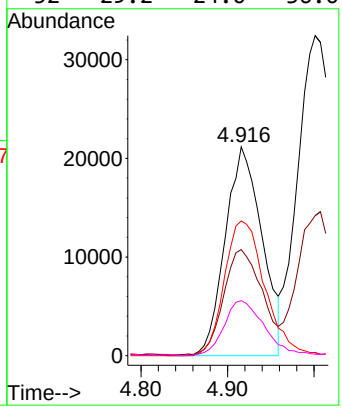


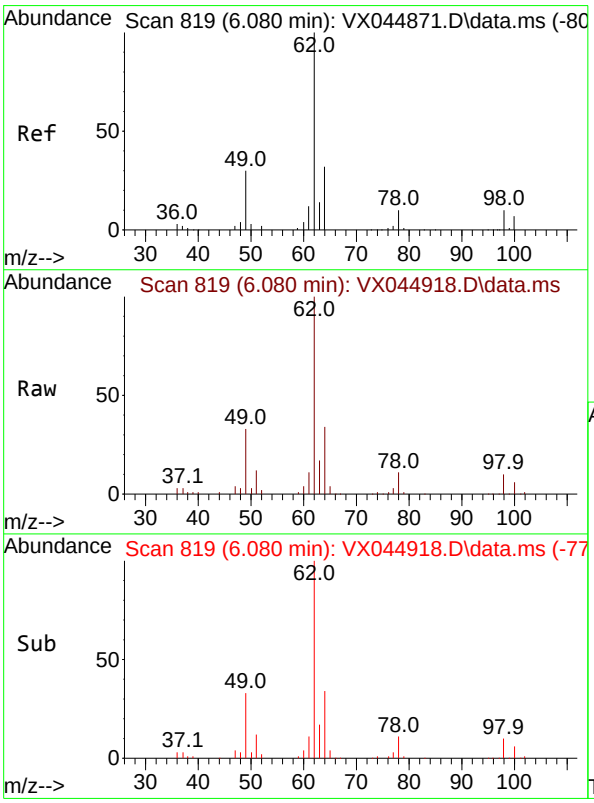
#41
Methacrylonitrile
Concen: 53.690 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 62585

Ion	Ratio	Lower	Upper
41	100		
39	52.8	43.1	64.7
67	71.3	57.0	85.6
52	29.2	24.0	36.0

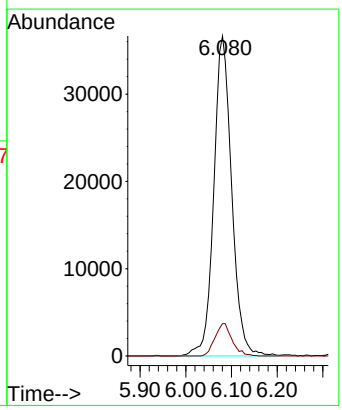


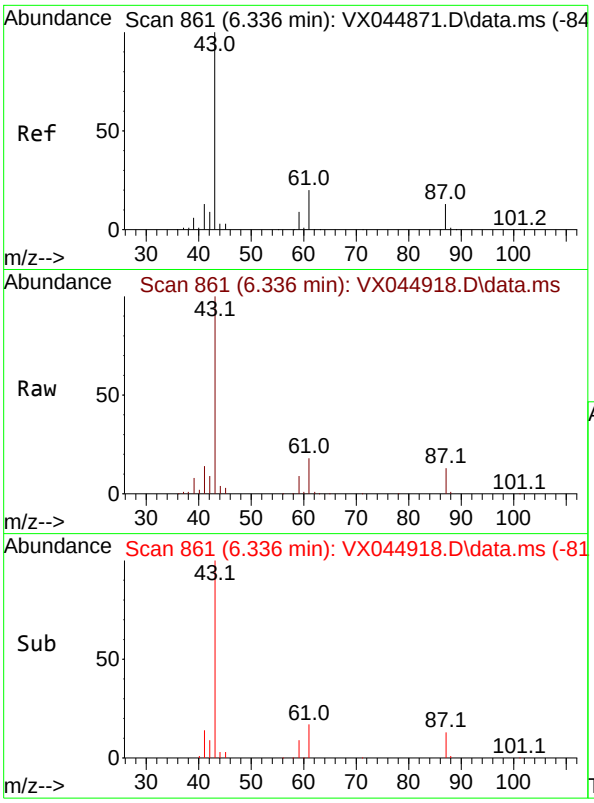


#42
1,2-Dichloroethane
Concen: 51.275 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 62 Resp: 99909

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4



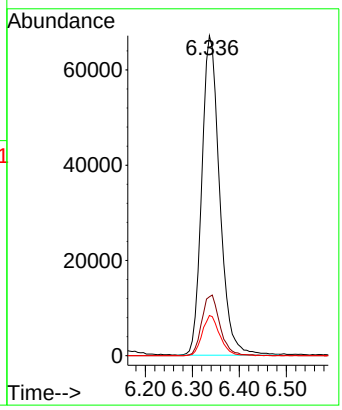


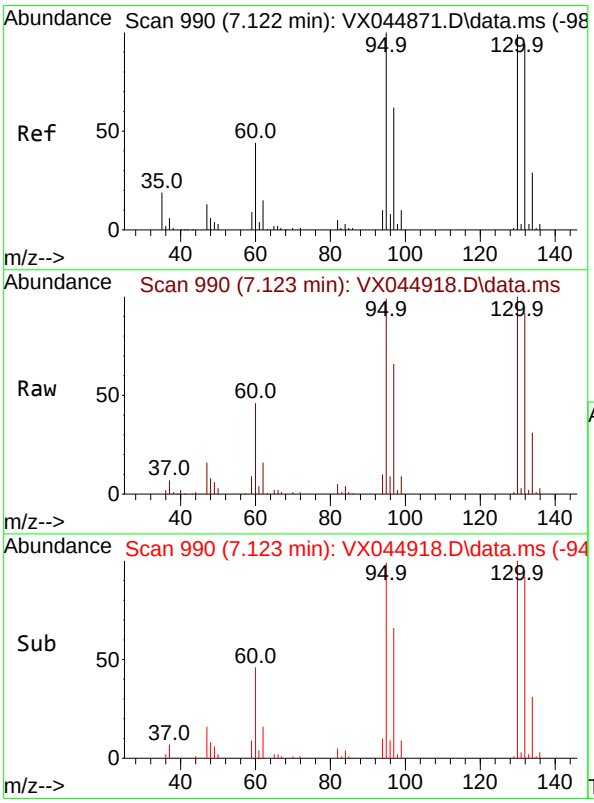
#43
Isopropyl Acetate
Concen: 50.486 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 177546

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.8	23.8
87	12.3	10.0	15.0

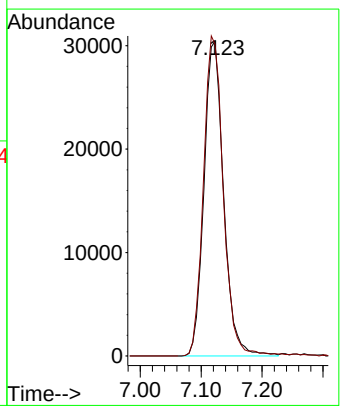


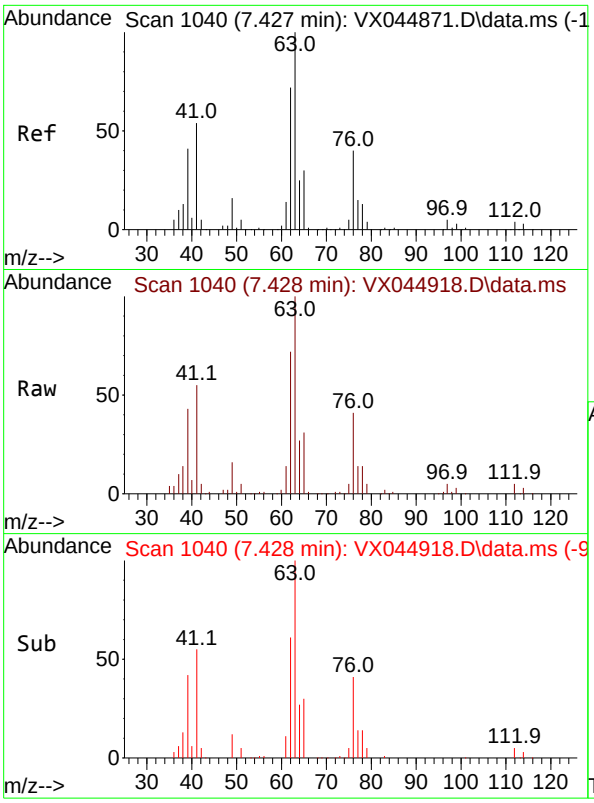


#44
Trichloroethene
Concen: 48.777 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:130 Resp: 68162

Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	202.4



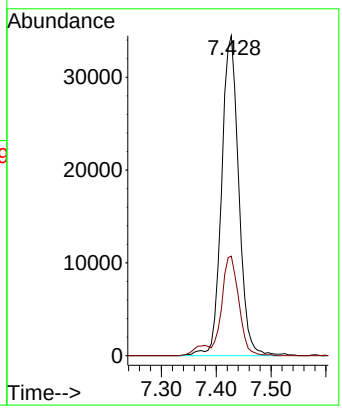


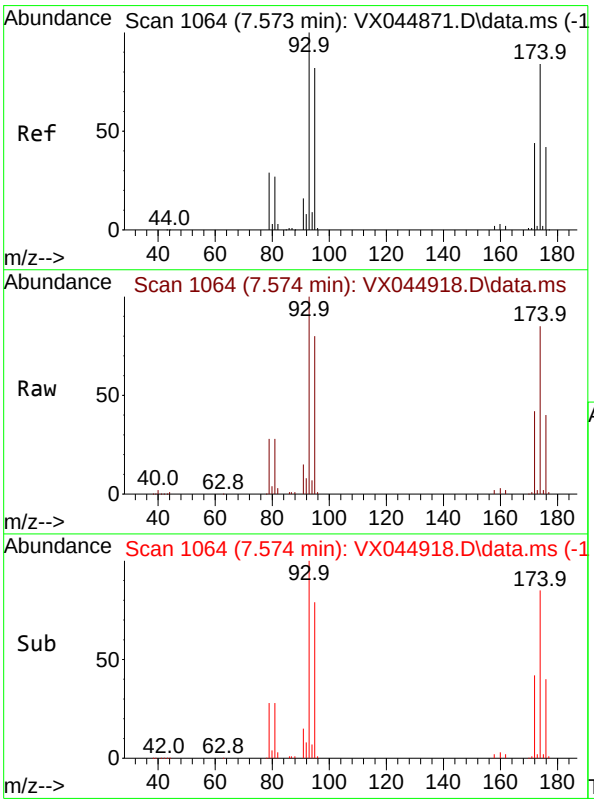
#45
1,2-Dichloropropane
Concen: 49.460 ug/l
RT: 7.428 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 75229

Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.2	36.4

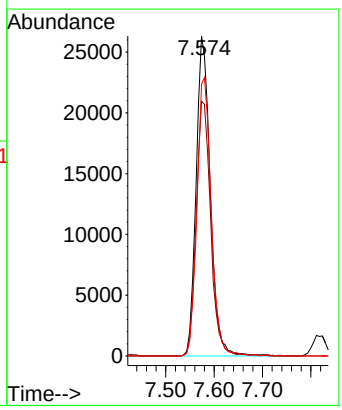


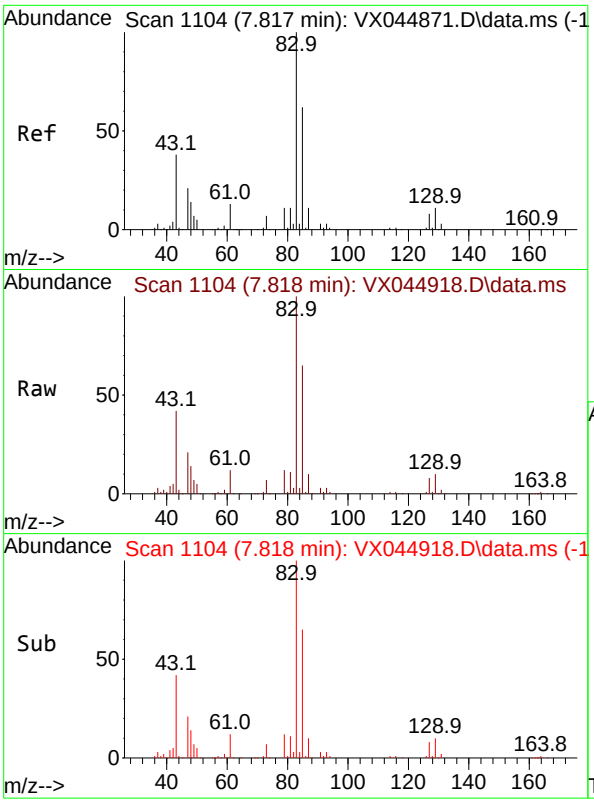


#46
Dibromomethane
Concen: 50.552 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 93 Resp: 53323

Ion	Ratio	Lower	Upper
93	100		
95	81.5	66.2	99.4
174	87.8	69.9	104.9



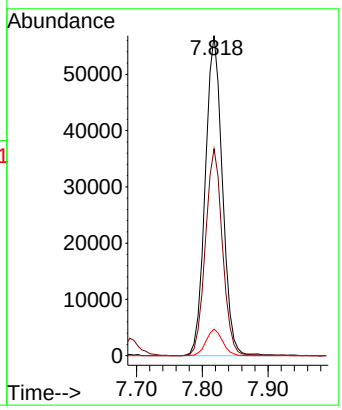


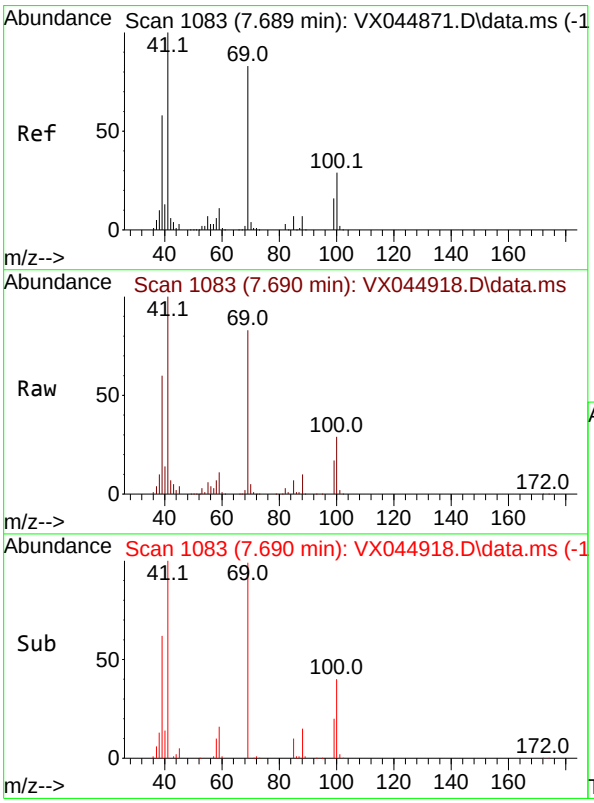
#47
Bromodichloromethane
Concen: 50.475 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 103091

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.0	75.0
127	8.3	6.4	9.6

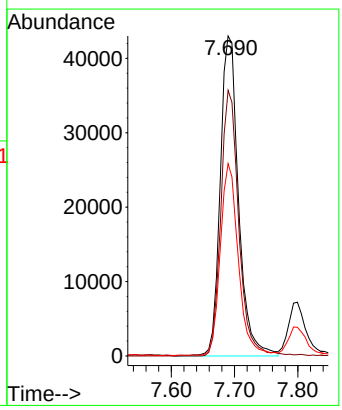


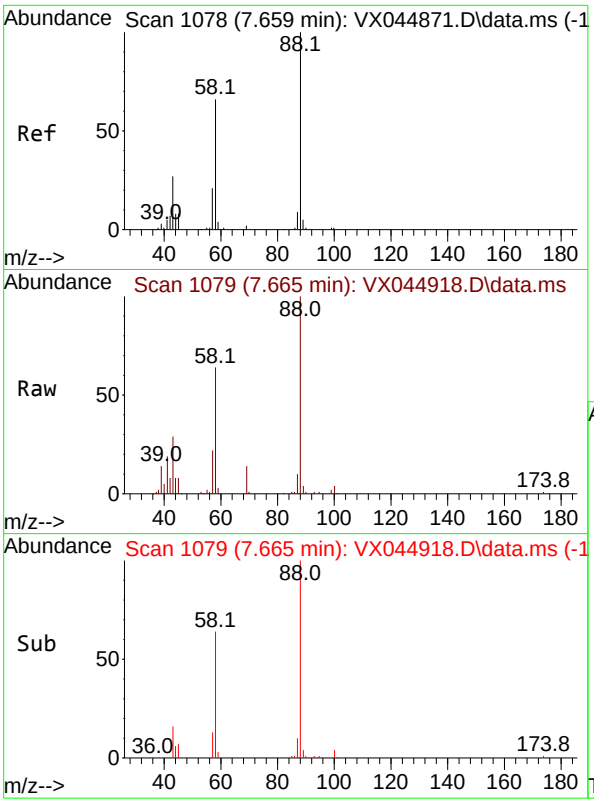


#48
Methyl methacrylate
Concen: 51.962 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 41 Resp: 86162

Ion	Ratio	Lower	Upper
41	100		
69	81.8	65.8	98.8
39	59.0	46.4	69.6



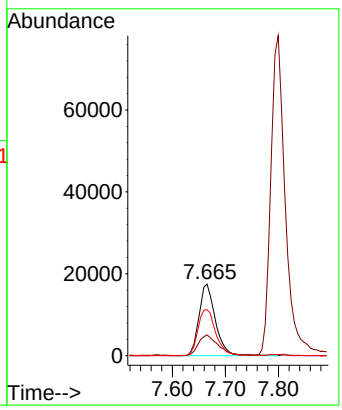


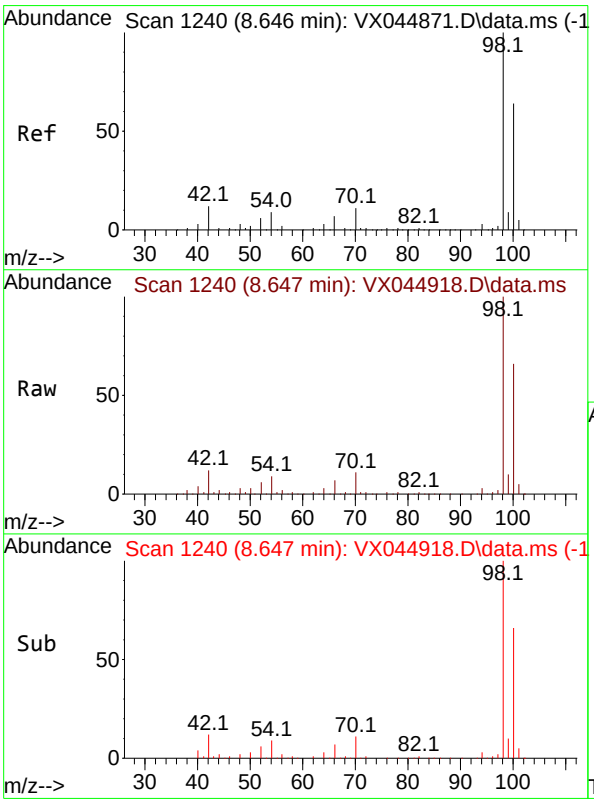
#49
1,4-Dioxane
Concen: 1056.949 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 37602

Ion	Ratio	Lower	Upper
88	100		
43	34.0	26.6	39.8
58	69.5	55.9	83.9

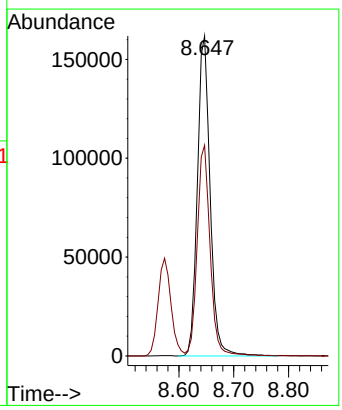


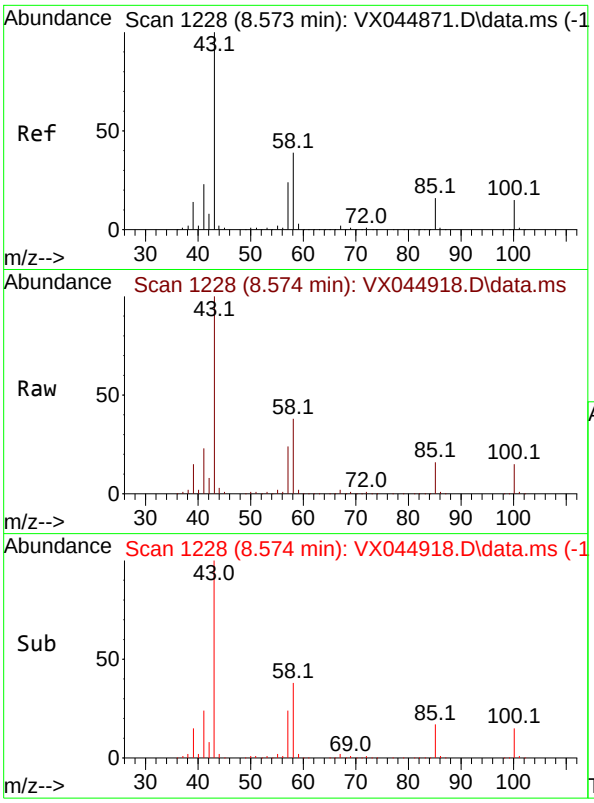


#50
Toluene-d8
Concen: 51.148 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 98 Resp: 262476

Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.7	79.1



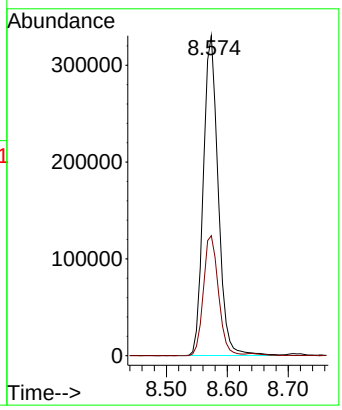


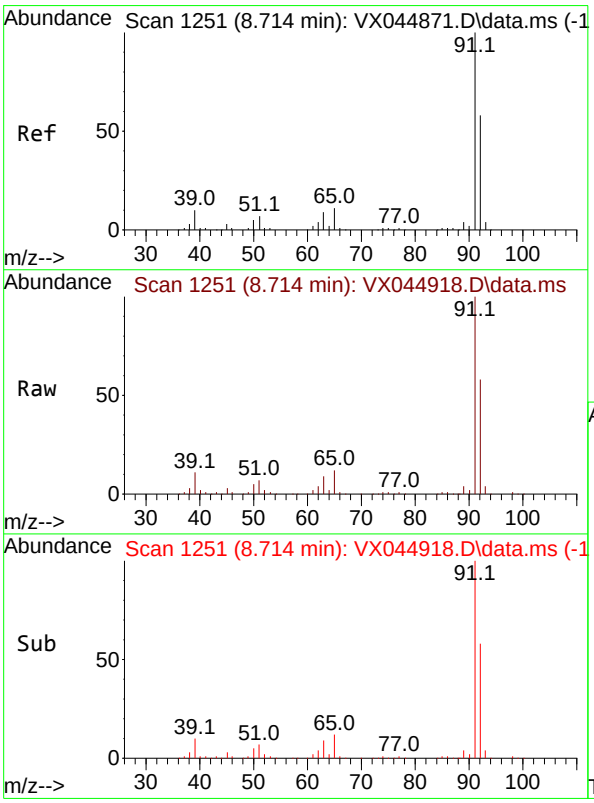
#51
4-Methyl-2-Pentanone
Concen: 262.440 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 561087

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.8	46.2

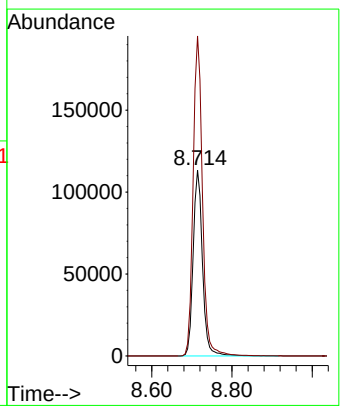


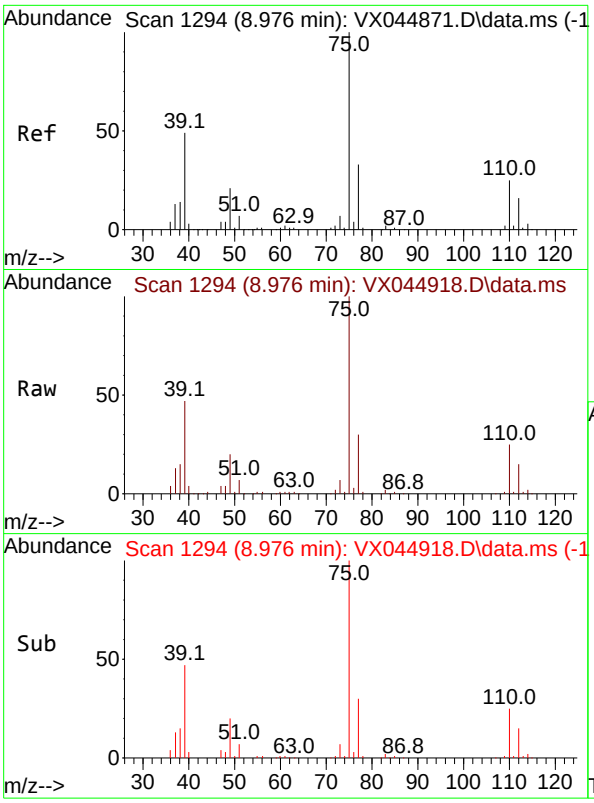


#52
Toluene
Concen: 50.199 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 92 Resp: 182775

Ion	Ratio	Lower	Upper
92	100		
91	172.6	137.4	206.2



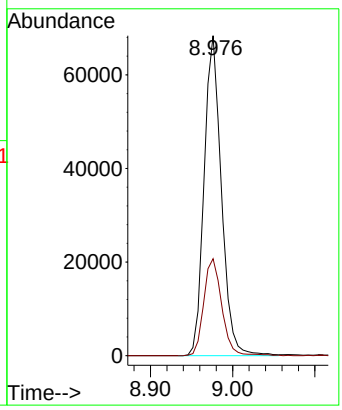


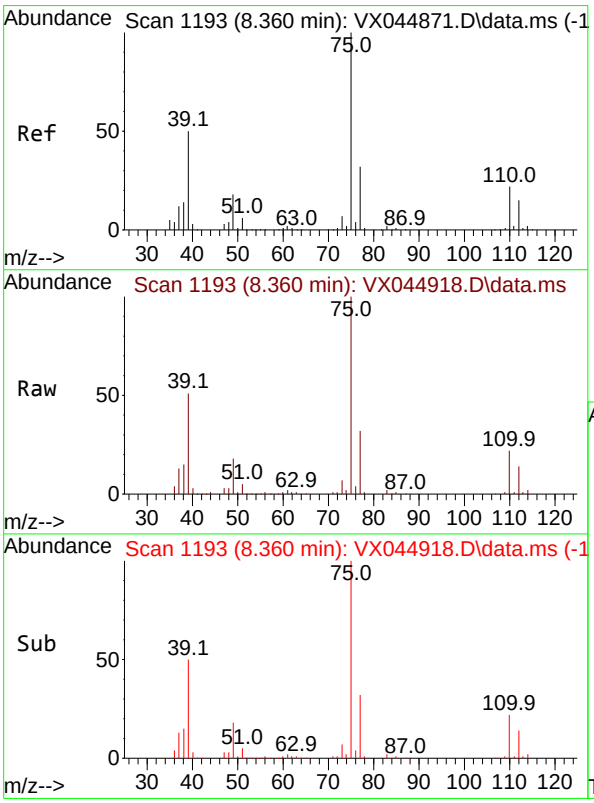
#53
t-1,3-Dichloropropene
Concen: 48.347 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 99925

Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.0	39.0

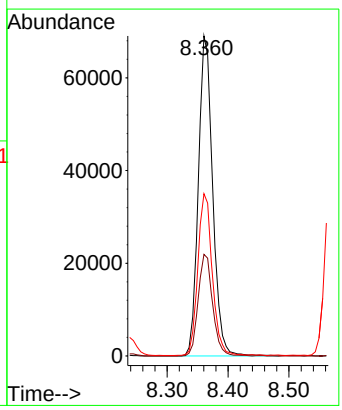


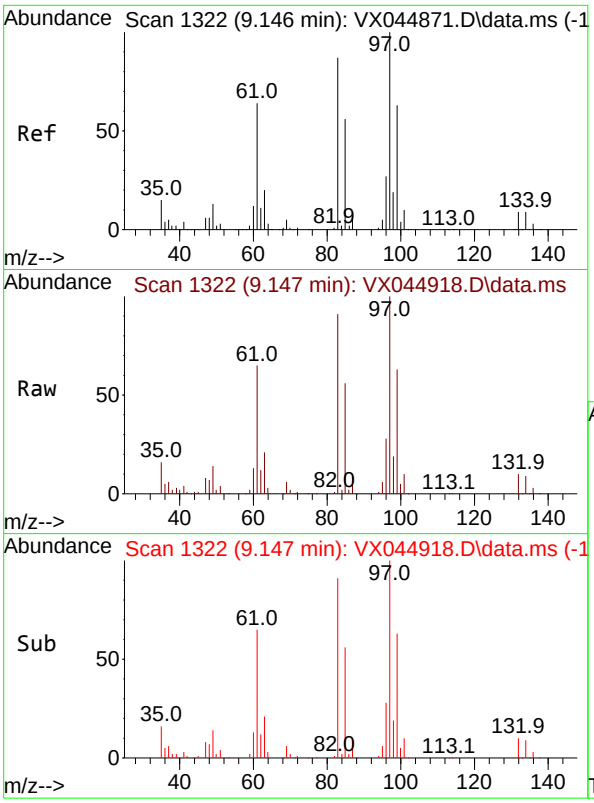


#54
cis-1,3-Dichloropropene
Concen: 49.051 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 113036

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9
39	50.5	40.0	60.0



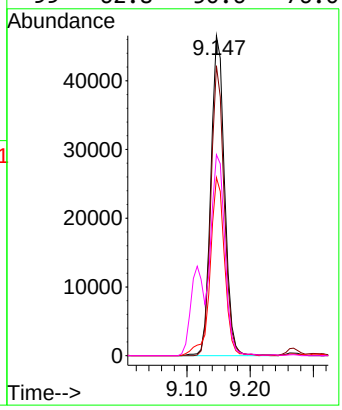


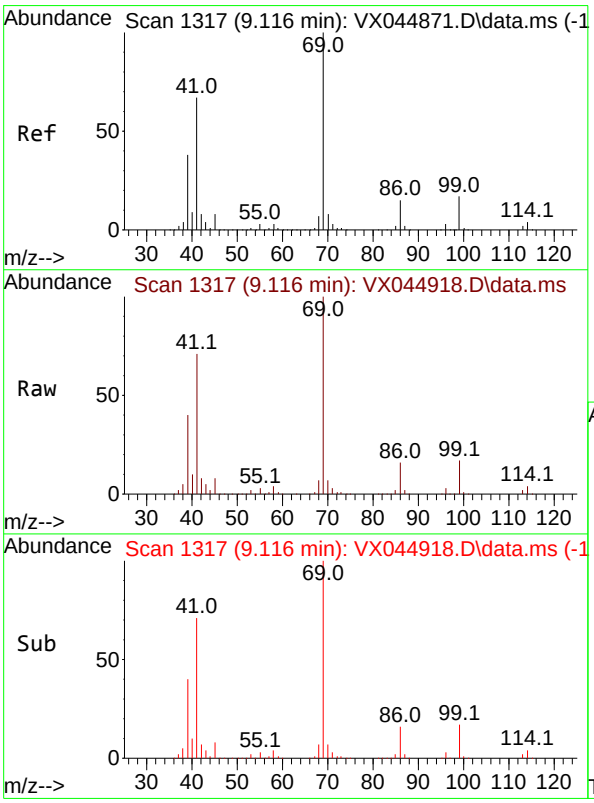
#55
1,1,2-Trichloroethane
Concen: 50.149 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 70192

Ion	Ratio	Lower	Upper
97	100		
83	90.6	69.8	104.6
85	55.7	44.8	67.2
99	62.8	50.6	76.0

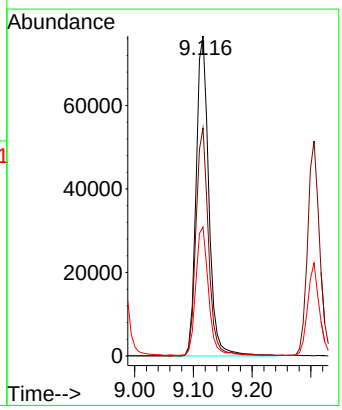


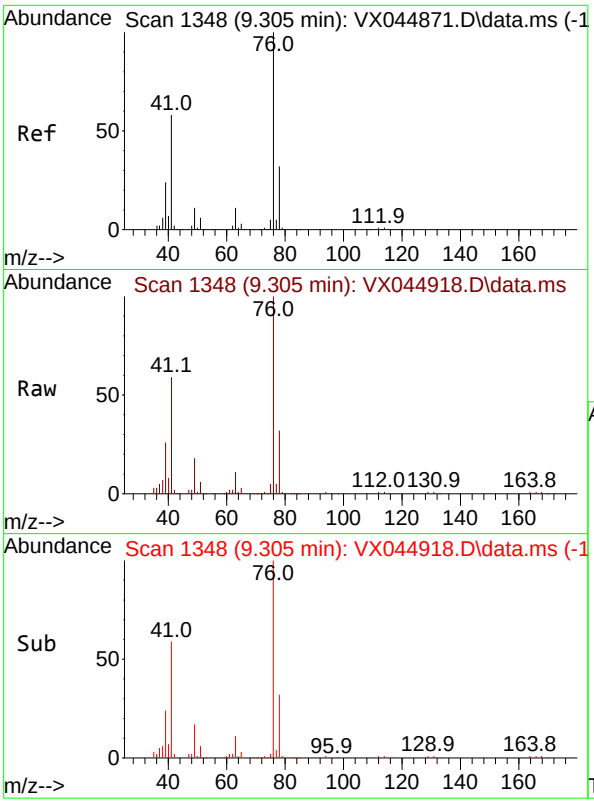


#56
Ethyl methacrylate
Concen: 50.884 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 69 Resp: 115029

Ion	Ratio	Lower	Upper
69	100		
41	70.6	55.2	82.8
39	40.3	30.8	46.2



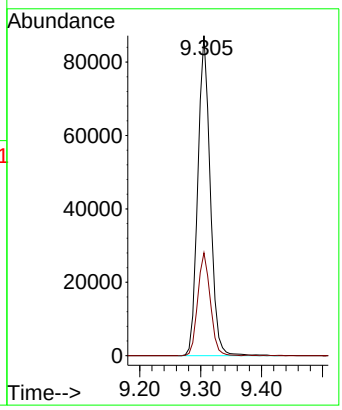


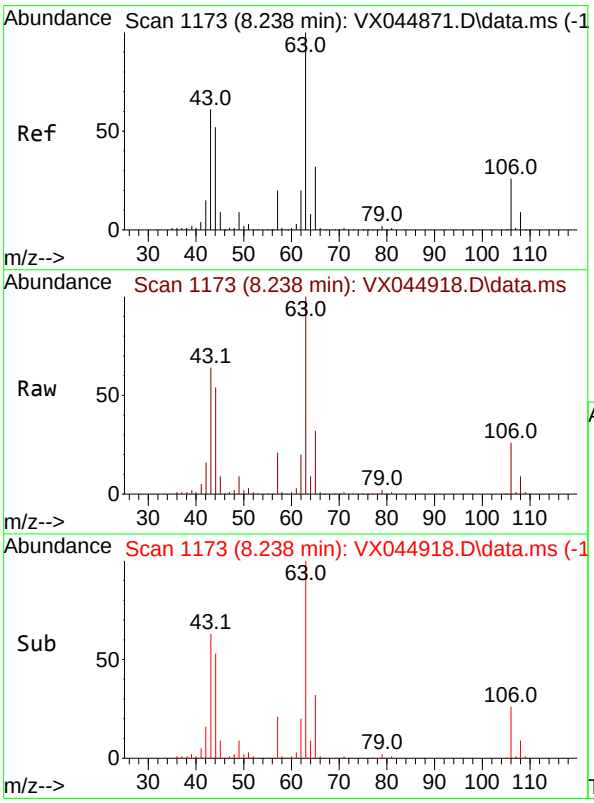
#57
1,3-Dichloropropane
Concen: 50.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 123396

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

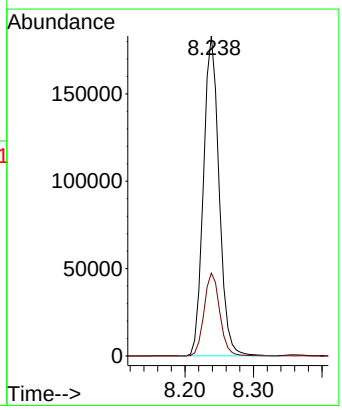


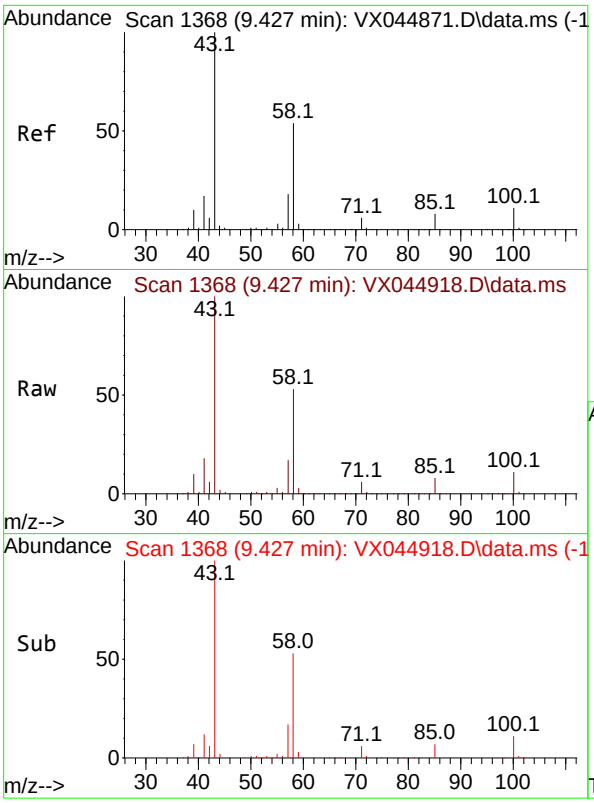


#58
2-Chloroethyl Vinyl ether
Concen: 262.486 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 63 Resp: 291354

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.3	31.9



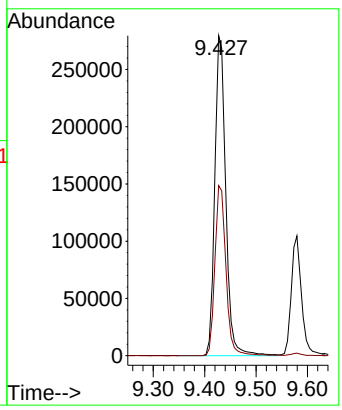


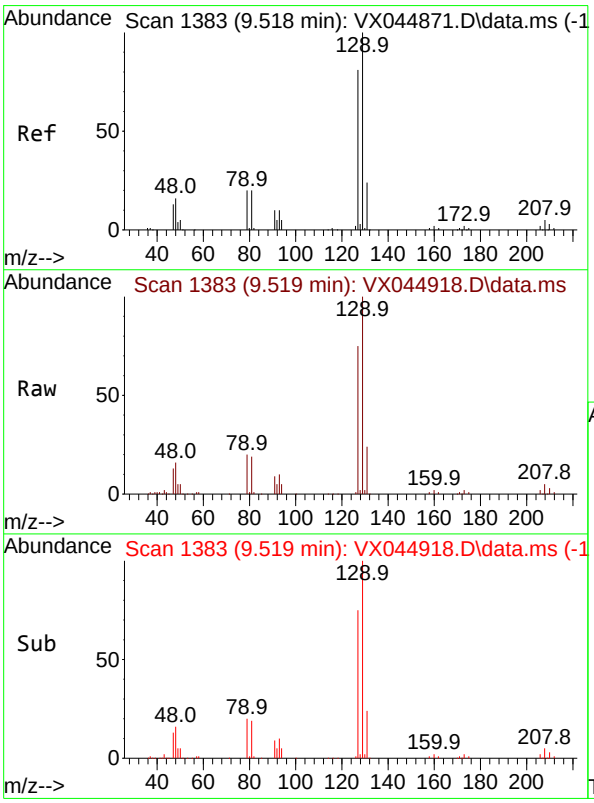
#59
2-Hexanone
Concen: 268.451 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 413528

Ion	Ratio	Lower	Upper
43	100		
58	53.6	27.5	82.4

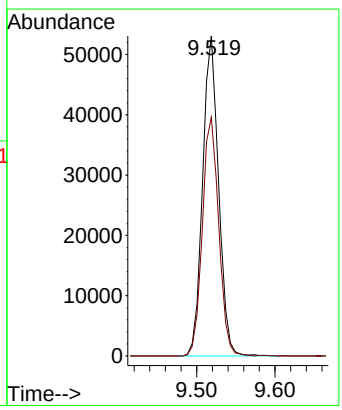


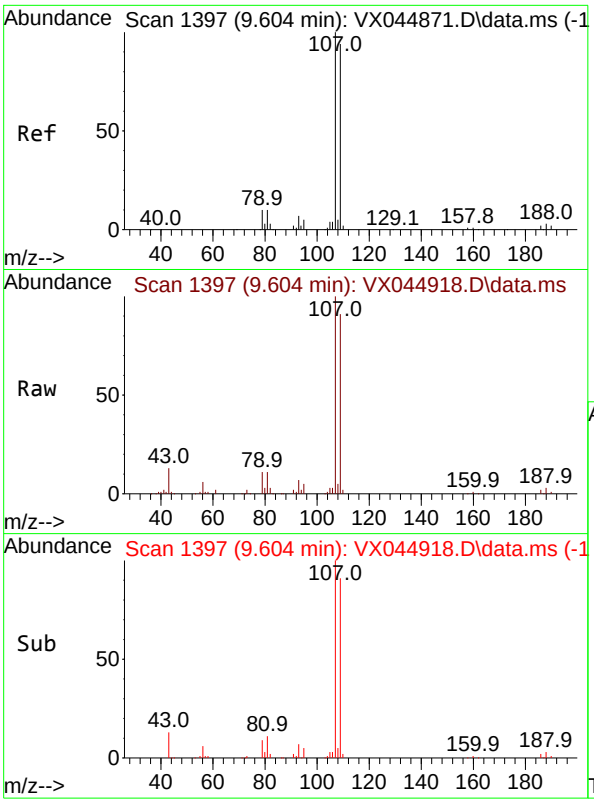


#60
Dibromochloromethane
Concen: 50.063 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:129 Resp: 74939

Ion	Ratio	Lower	Upper
129	100		
127	76.3	39.1	117.3



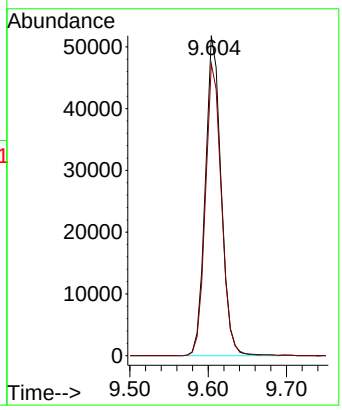


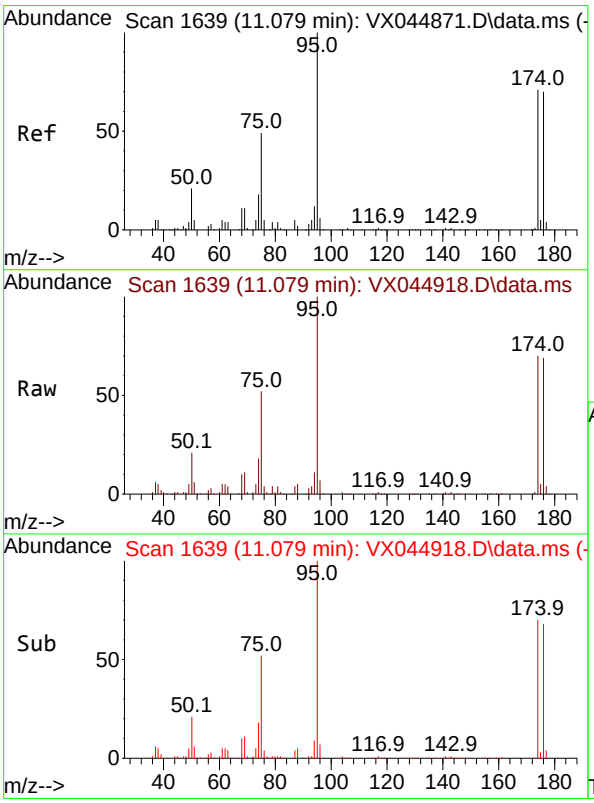
#61
1,2-Dibromoethane
Concen: 51.047 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 72417

Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.9	113.9

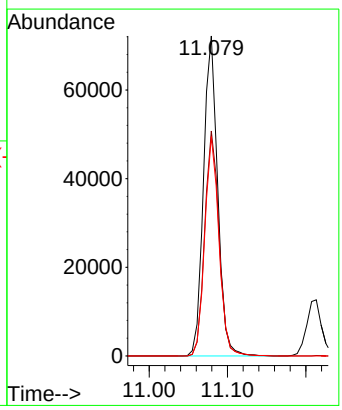


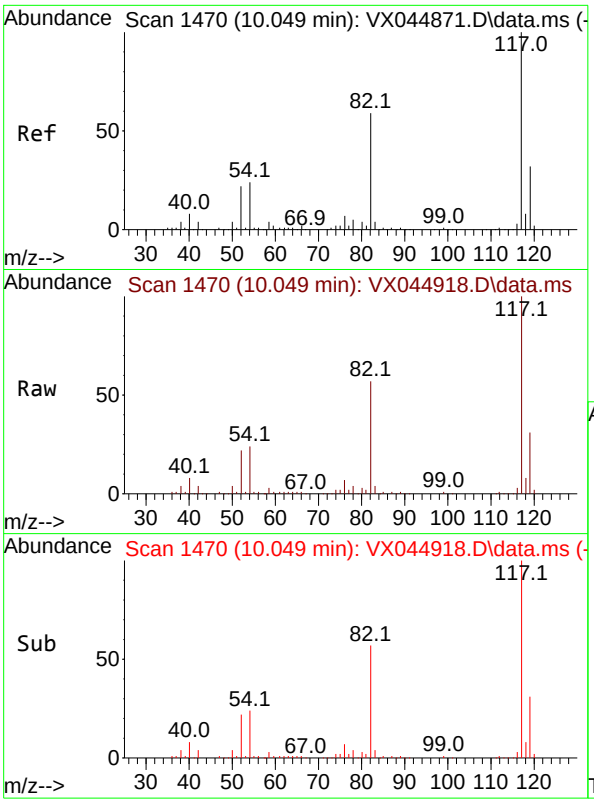


#62
4-Bromofluorobenzene
Concen: 52.355 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 95 Resp: 90574

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	142.6
176	68.7	0.0	141.6



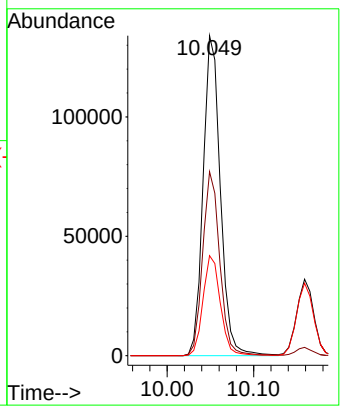


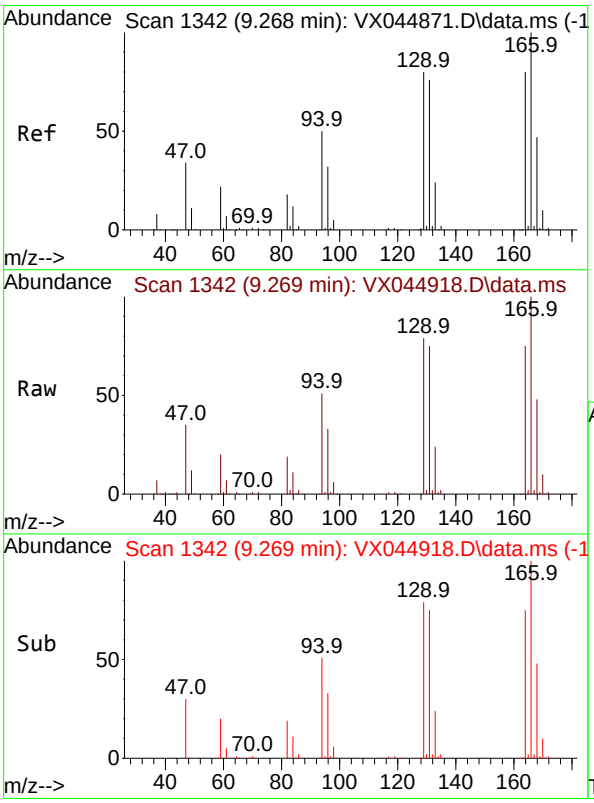
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 185334

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.5	71.3
119	31.2	25.4	38.0

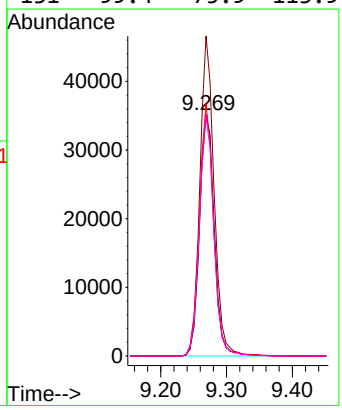


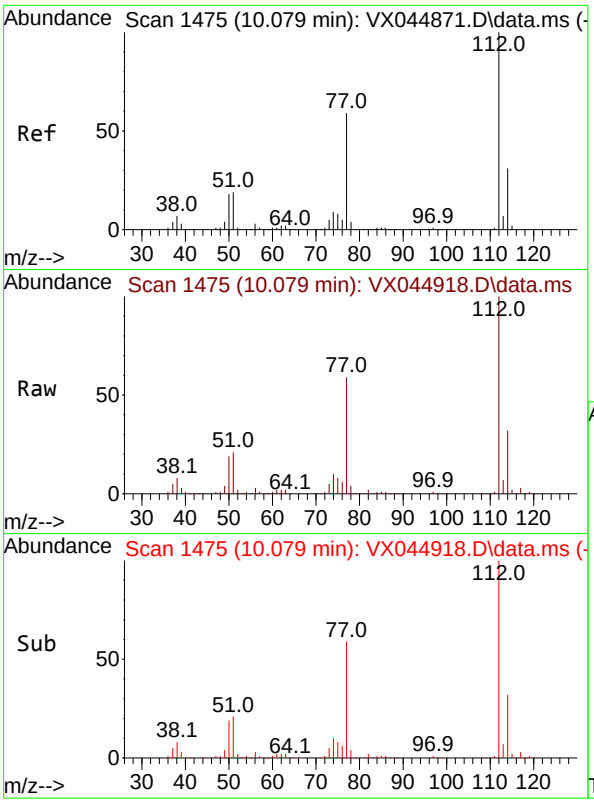


#64
Tetrachloroethene
Concen: 46.738 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:164 Resp: 54627

Ion	Ratio	Lower	Upper
164	100		
166	132.8	100.4	150.6
129	104.6	79.9	119.9
131	99.4	75.9	113.9



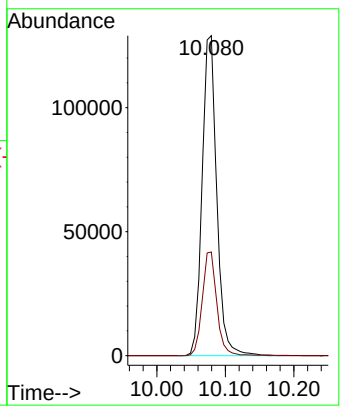


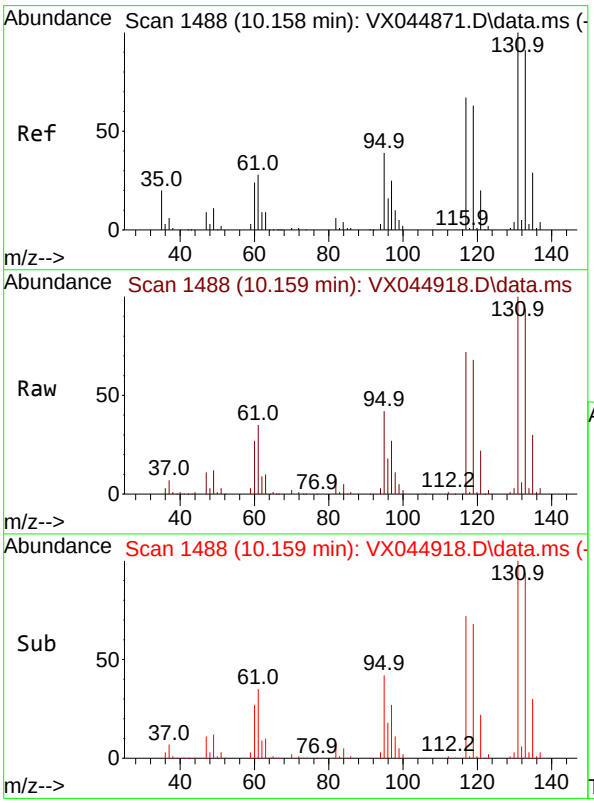
#65
Chlorobenzene
Concen: 48.179 ug/l
RT: 10.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 191785

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.0	37.6

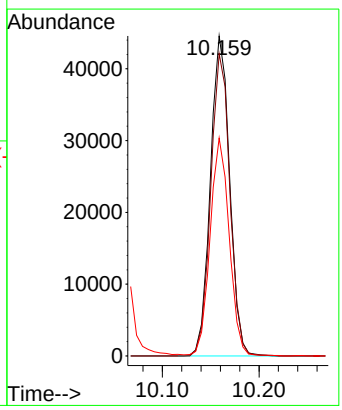


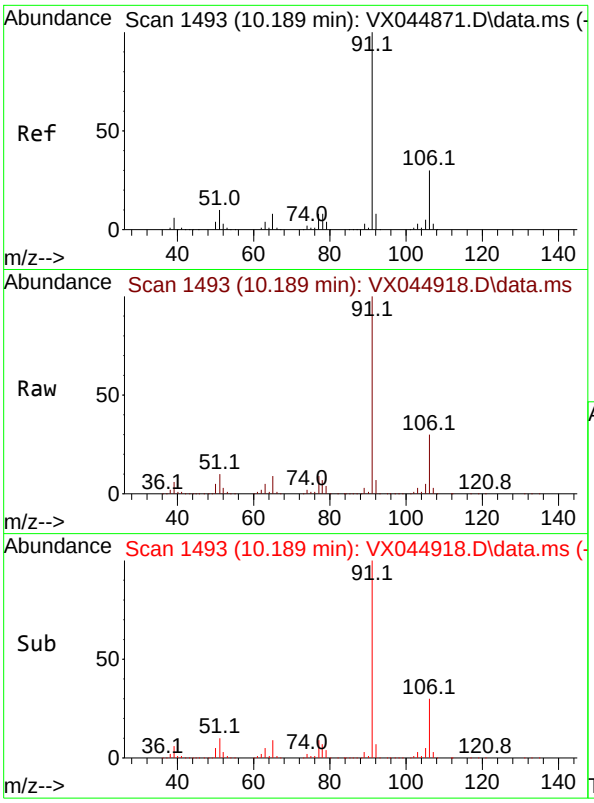


#66
1,1,1,2-Tetrachloroethane
Concen: 48.081 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:131 Resp: 61604

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.1	141.3
119	67.9	33.6	100.6



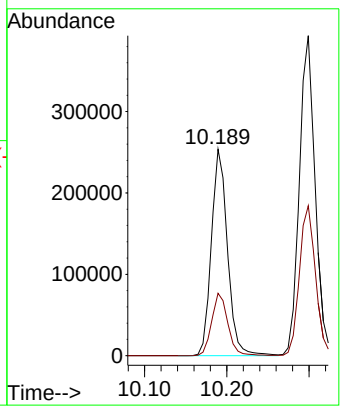


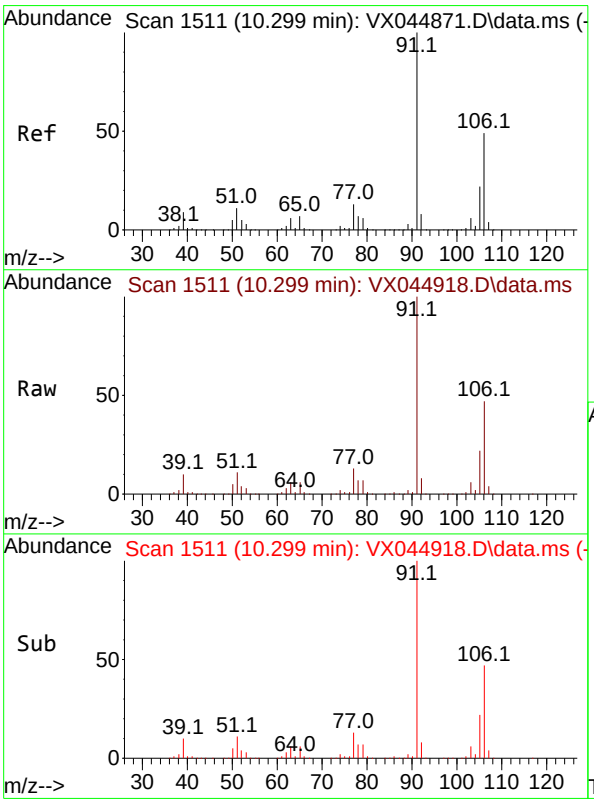
#67
Ethyl Benzene
Concen: 49.286 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 346217

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.9	35.9

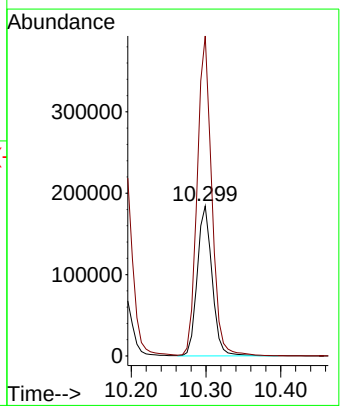


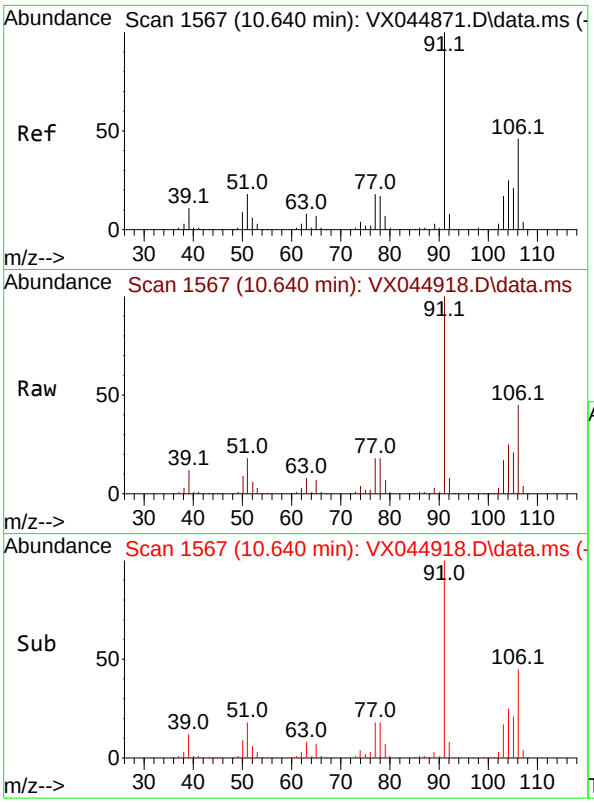


#68
m/p-Xylenes
Concen: 97.924 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:106 Resp: 253750

Ion	Ratio	Lower	Upper
106	100		
91	209.5	164.3	246.5



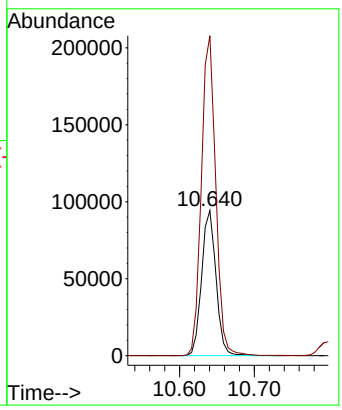


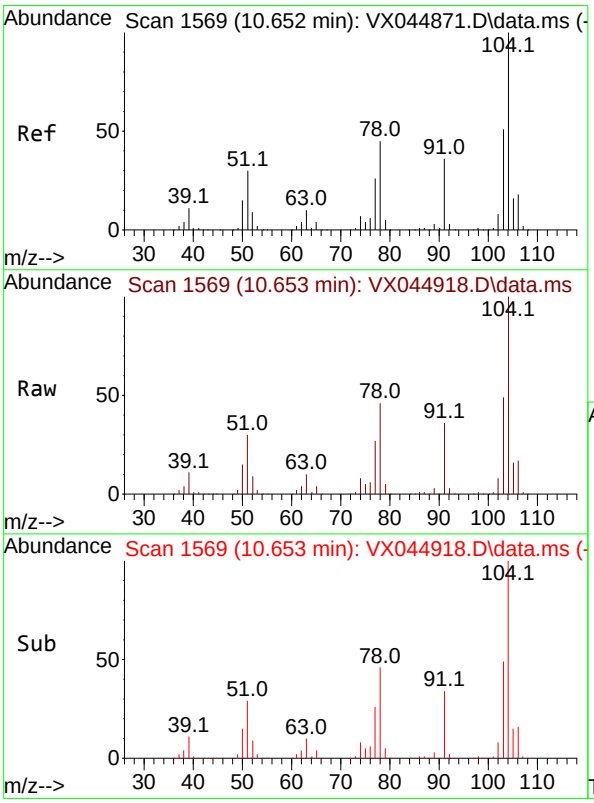
#69
o-Xylene
Concen: 48.465 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 126016

Ion	Ratio	Lower	Upper
106	100		
91	220.1	108.5	325.5

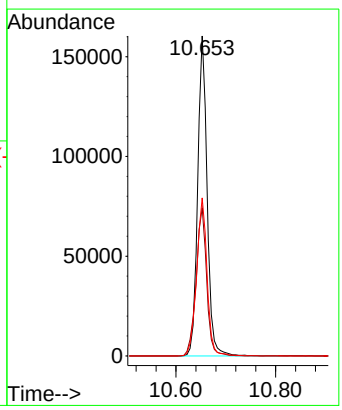


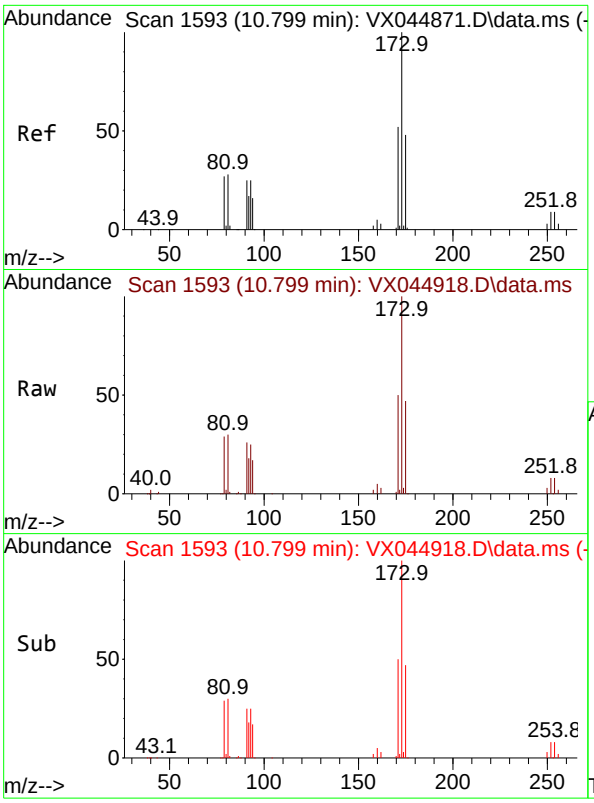


#70
Styrene
Concen: 50.389 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:104 Resp: 211083

Ion	Ratio	Lower	Upper
104	100		
78	51.6	40.5	60.7
103	54.6	43.6	65.4



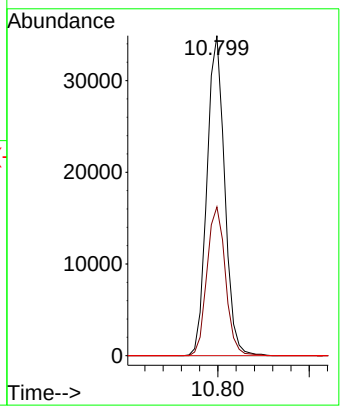


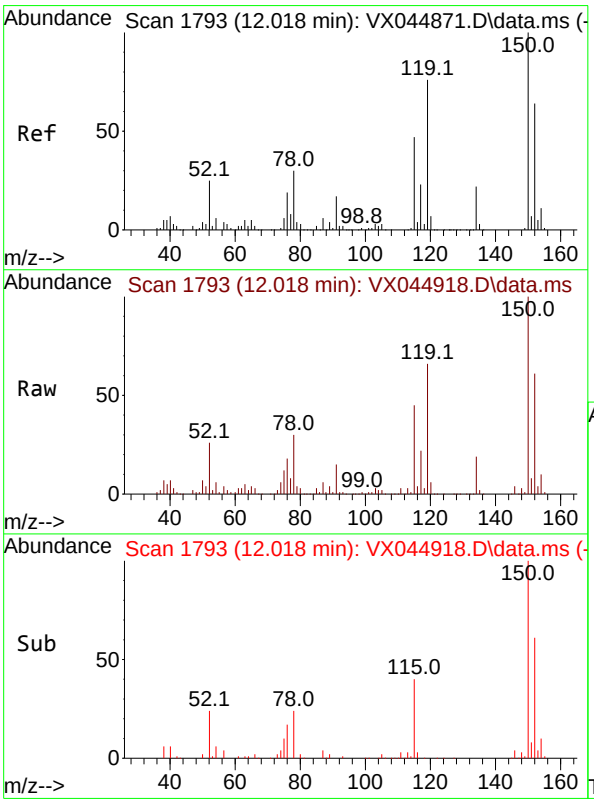
#71
Bromoform
Concen: 49.045 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 46897

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.0	0.0	0.0

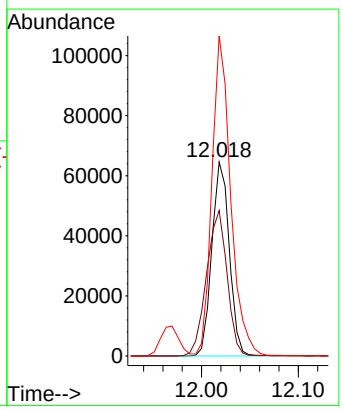


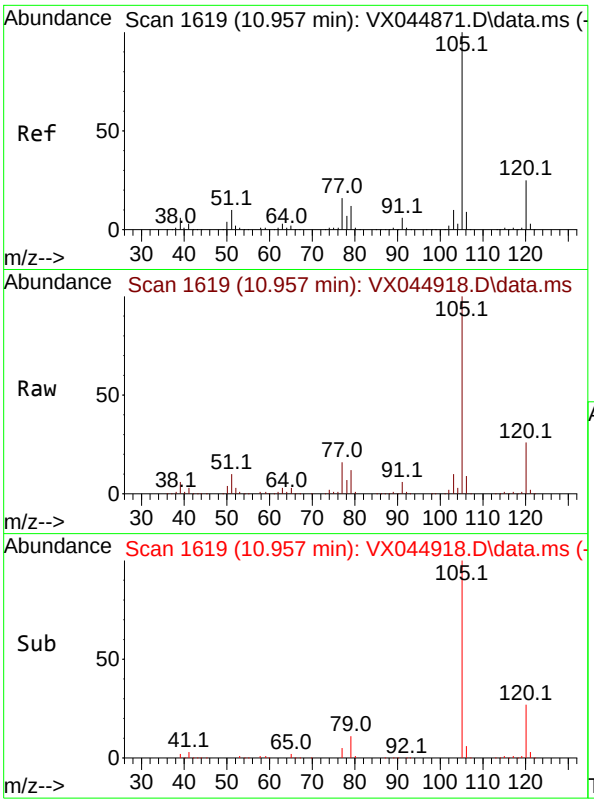


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:152 Resp: 80910

Ion	Ratio	Lower	Upper
152	100		
115	88.6	43.4	130.1
150	177.4	0.0	350.4



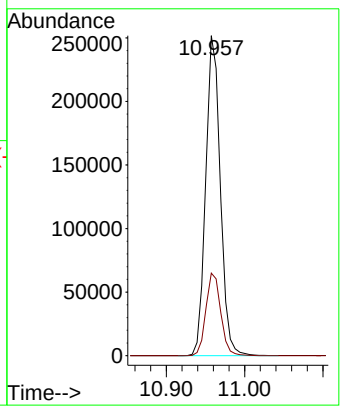


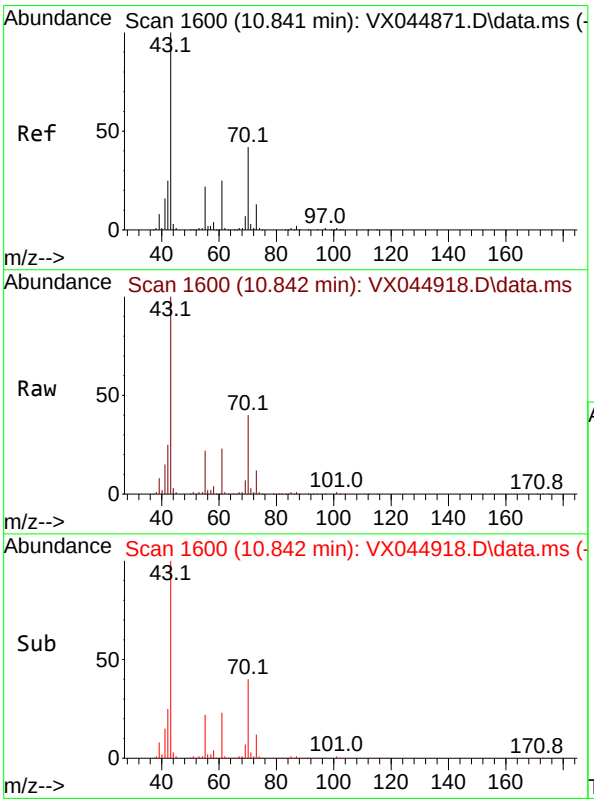
#73
Isopropylbenzene
Concen: 49.916 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 325195

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5

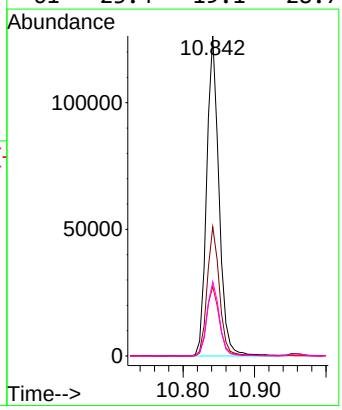


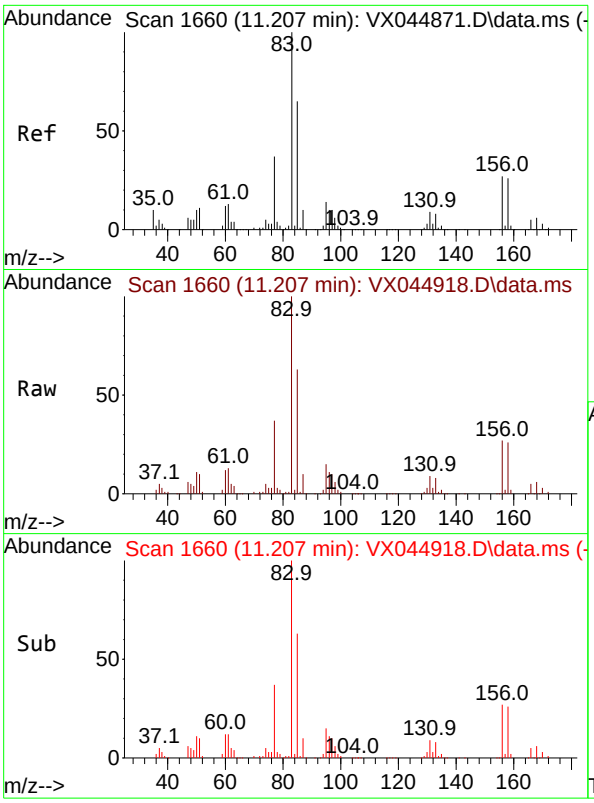


#74
N-amyl acetate
Concen: 51.312 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 151270

Ion	Ratio	Lower	Upper
43	100		
70	40.2	33.7	50.5
55	22.5	18.6	27.8
61	23.4	19.1	28.7



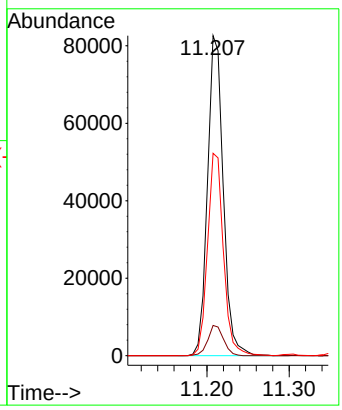


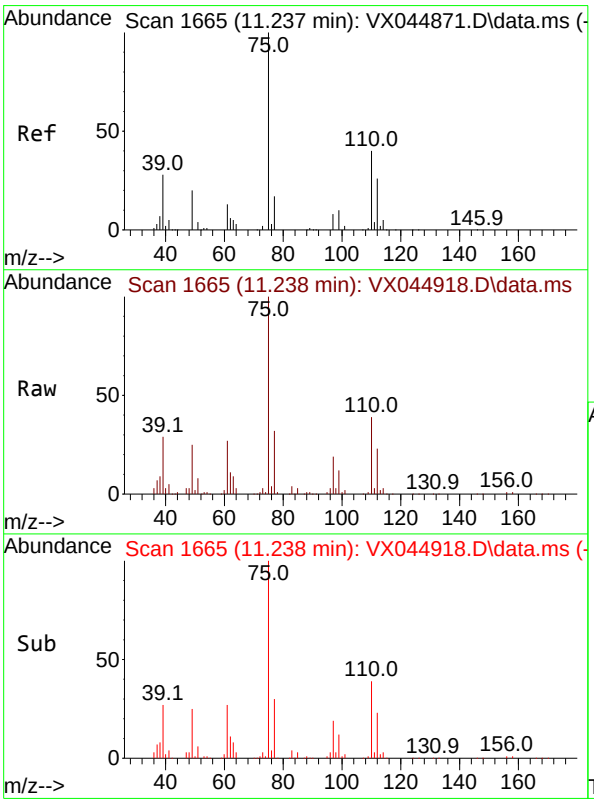
#75
1,1,2,2-Tetrachloroethane
Concen: 49.048 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 109803

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.5
85	63.9	32.3	96.8

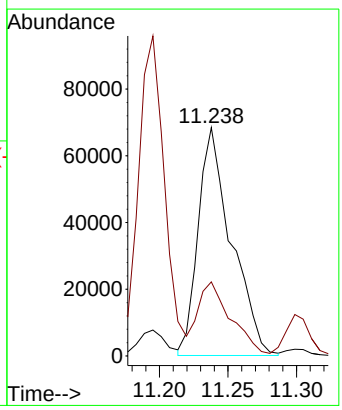


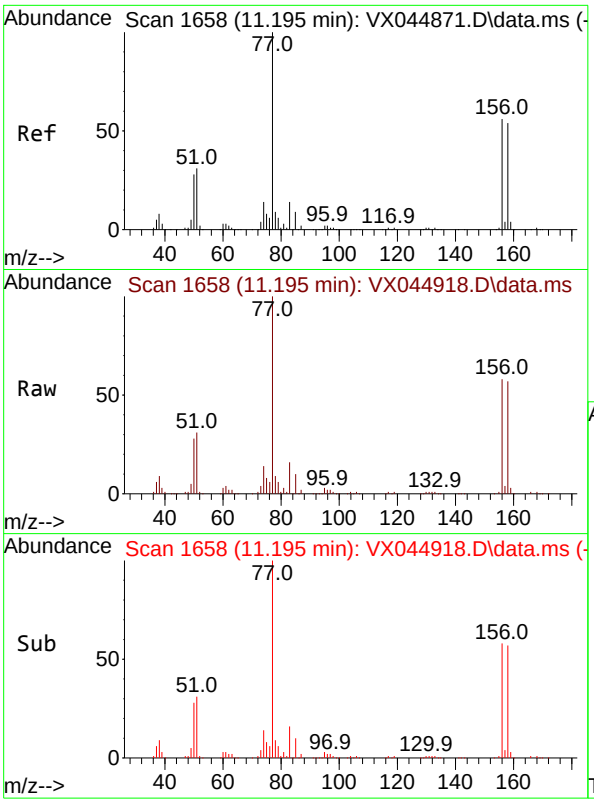


#76
1,2,3-Trichloropropane
Concen: 64.274 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 115301

Ion	Ratio	Lower	Upper
75	100		
77	32.7	21.9	65.7



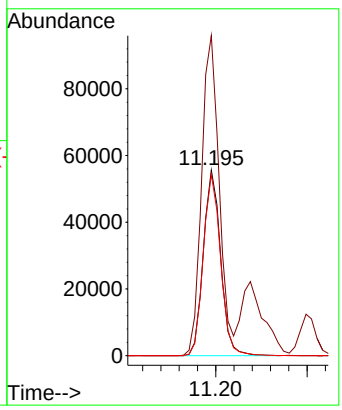


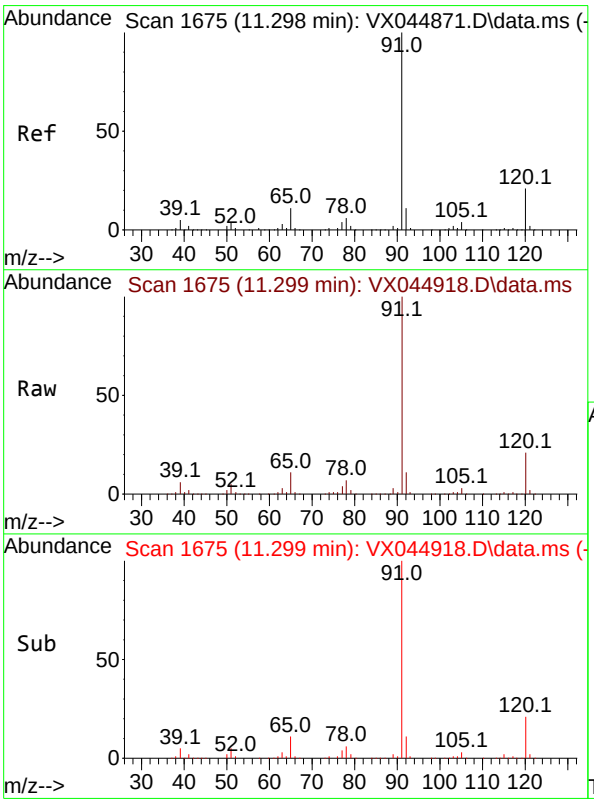
#77
Bromobenzene
Concen: 49.464 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 73059

Ion	Ratio	Lower	Upper
156	100		
77	174.7	88.4	265.3
158	97.7	48.4	145.2

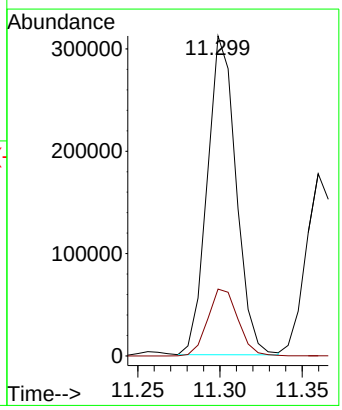


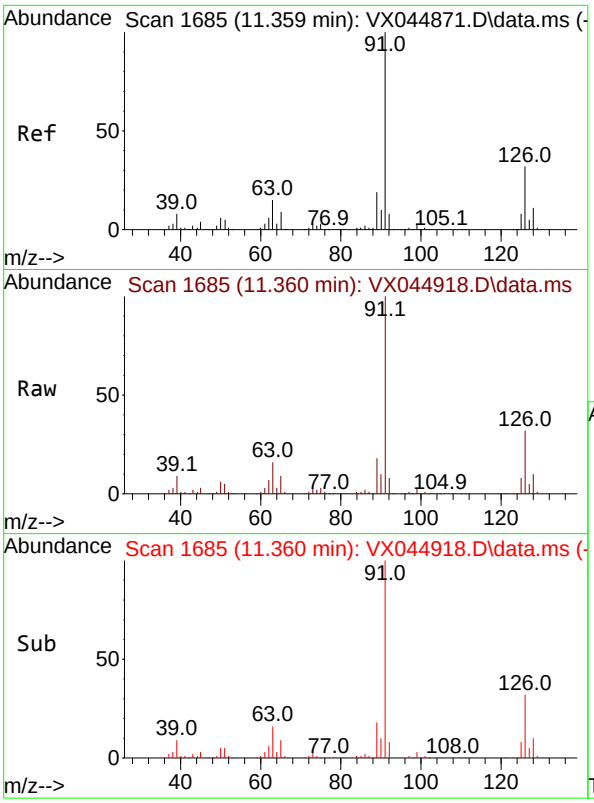


#78
n-propylbenzene
Concen: 50.468 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 91 Resp: 379500

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3



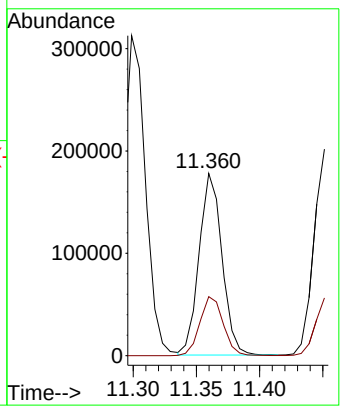


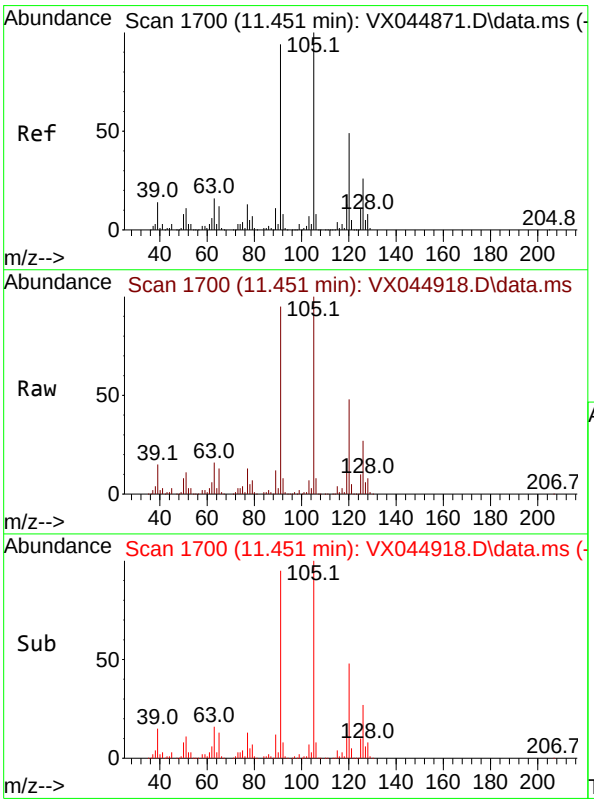
#79
2-Chlorotoluene
Concen: 48.410 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 223727

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.2	48.6

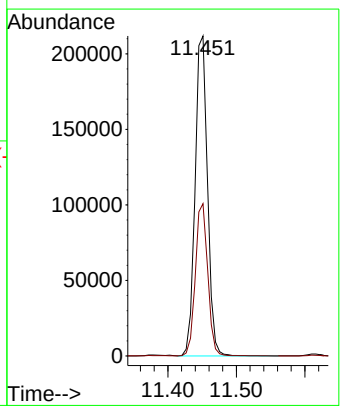


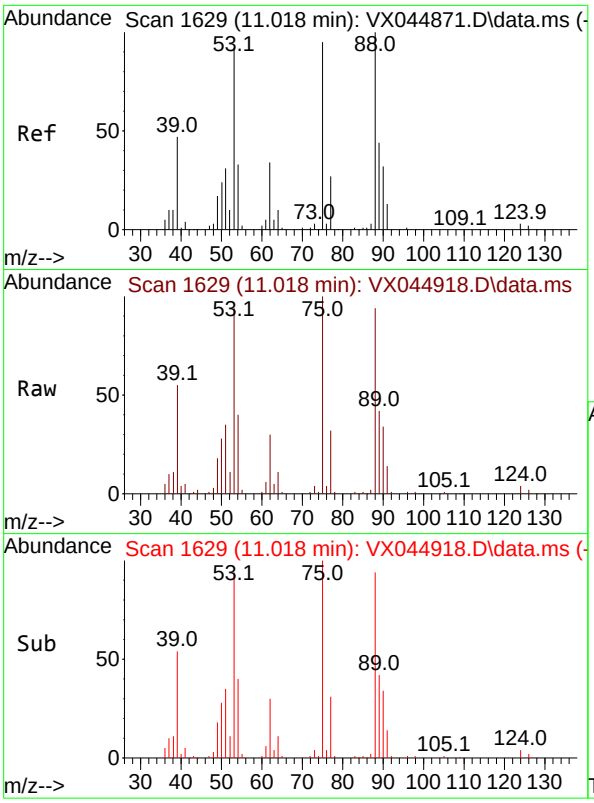


#80
1,3,5-Trimethylbenzene
Concen: 50.528 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:105 Resp: 267127

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.0	72.0



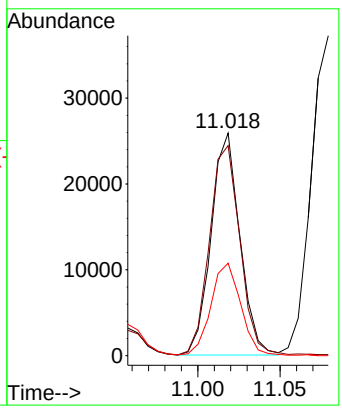


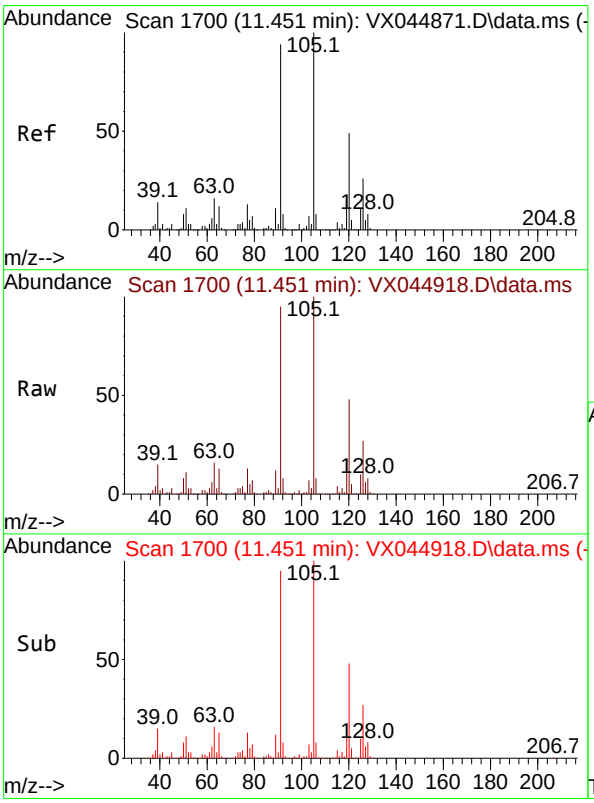
#81
trans-1,4-Dichloro-2-butene
Concen: 45.171 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 31501

Ion	Ratio	Lower	Upper
75	100		
53	101.4	78.0	117.0
89	43.6	36.6	54.8

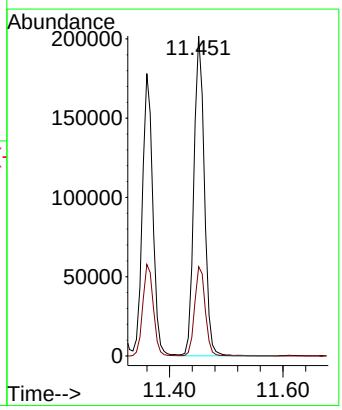


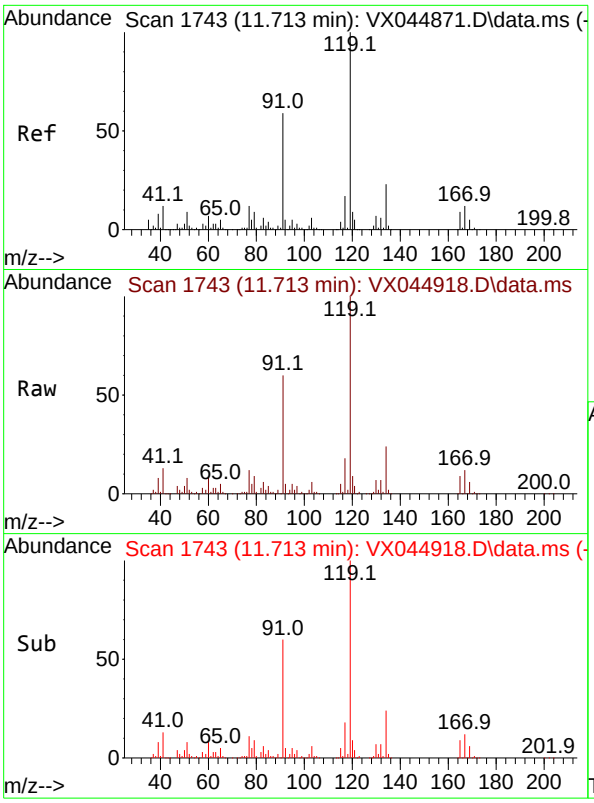


#82
4-Chlorotoluene
Concen: 50.364 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 91 Resp: 257507

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



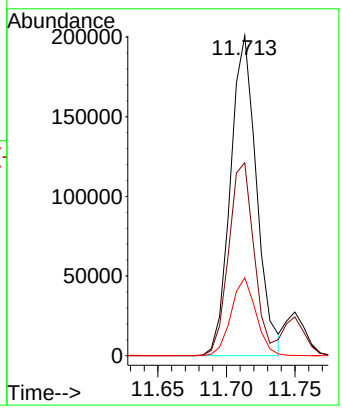


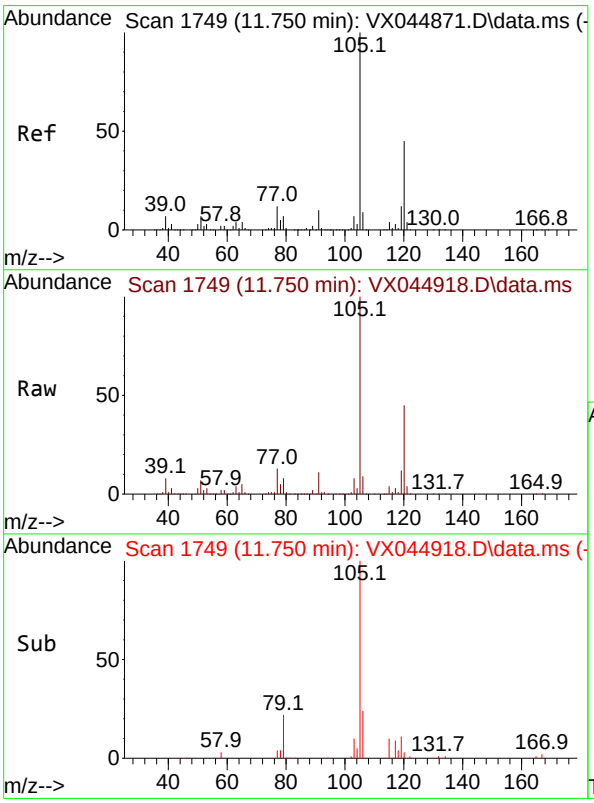
#83
tert-Butylbenzene
Concen: 49.697 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 265793

Ion	Ratio	Lower	Upper
119	100		
91	58.4	29.1	87.4
134	23.2	11.5	34.5

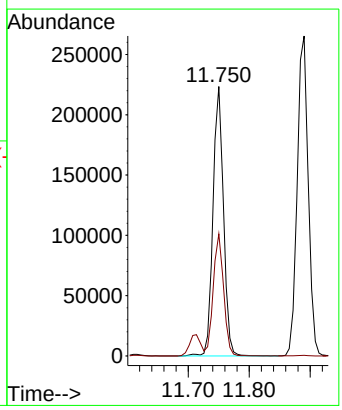


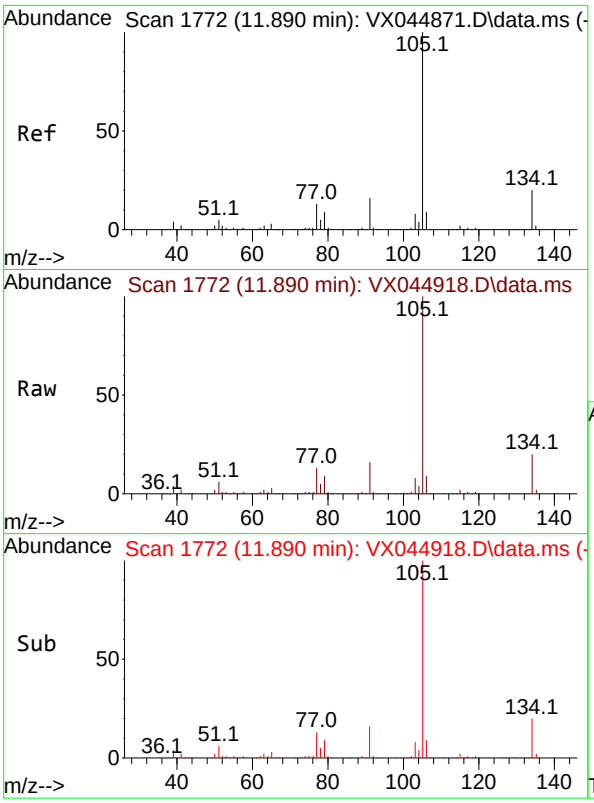


#84
1,2,4-Trimethylbenzene
Concen: 51.168 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:105 Resp: 266991

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0



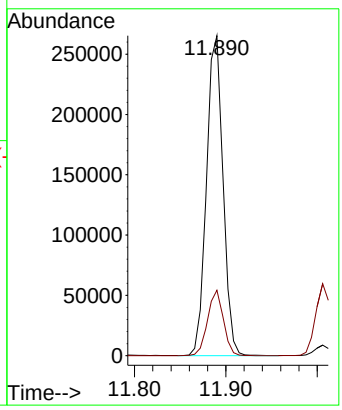


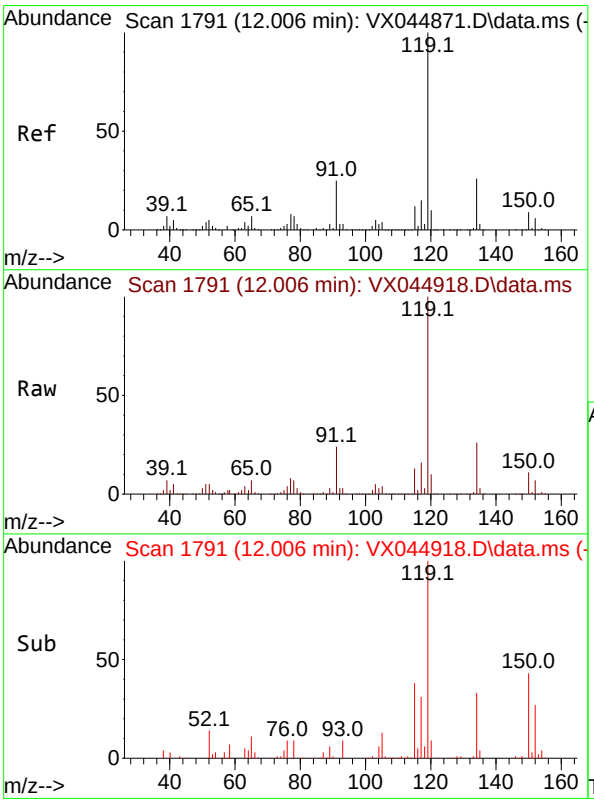
#85
sec-Butylbenzene
Concen: 50.433 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 334004

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.3

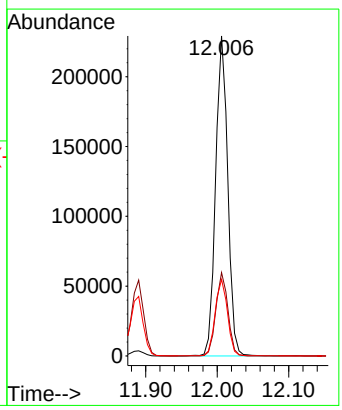


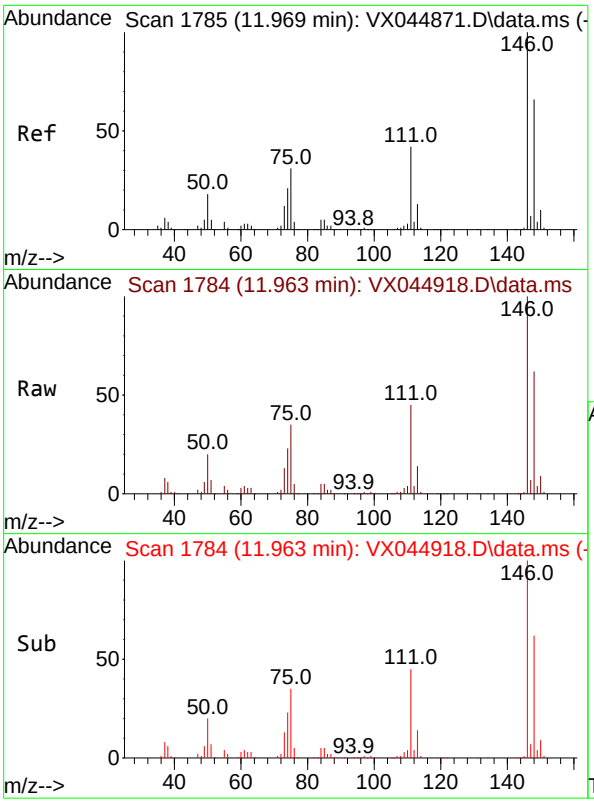


#86
p-Isopropyltoluene
Concen: 50.599 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:119 Resp: 269485

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.3	12.1	36.3



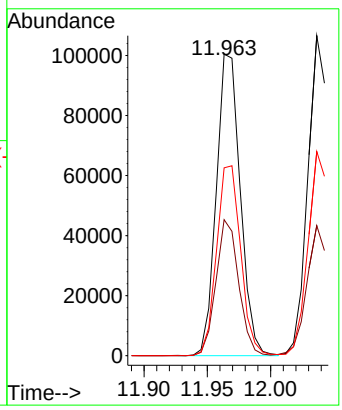


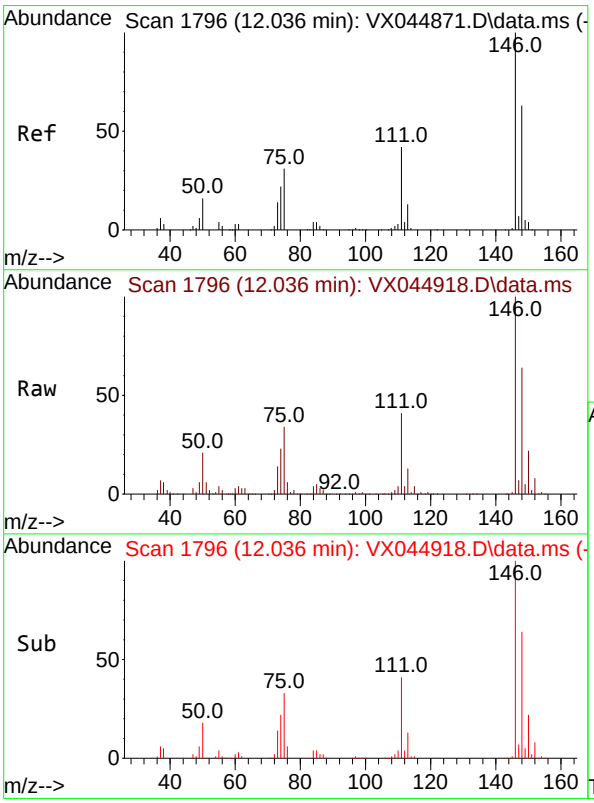
#87
1,3-Dichlorobenzene
Concen: 48.692 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 132254

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.2	63.6
148	63.5	32.5	97.5

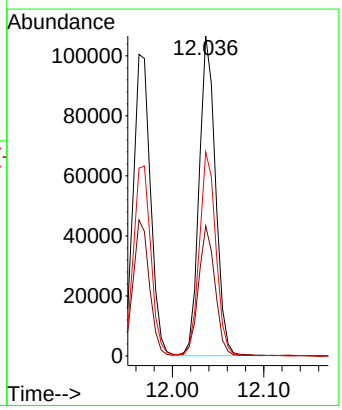


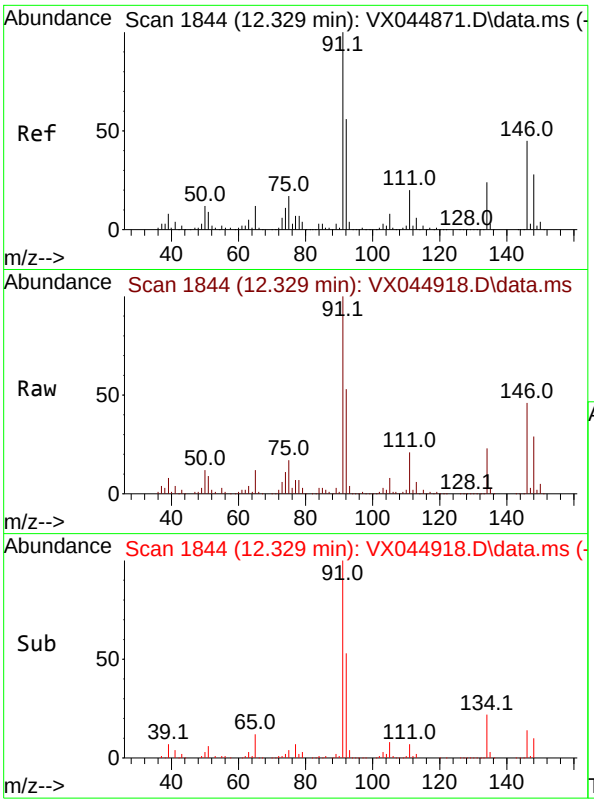


#88
1,4-Dichlorobenzene
Concen: 48.007 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:146 Resp: 131837

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	64.9	32.0	96.0



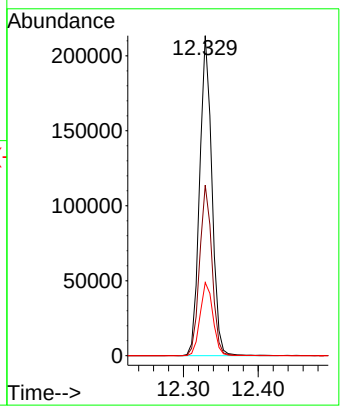


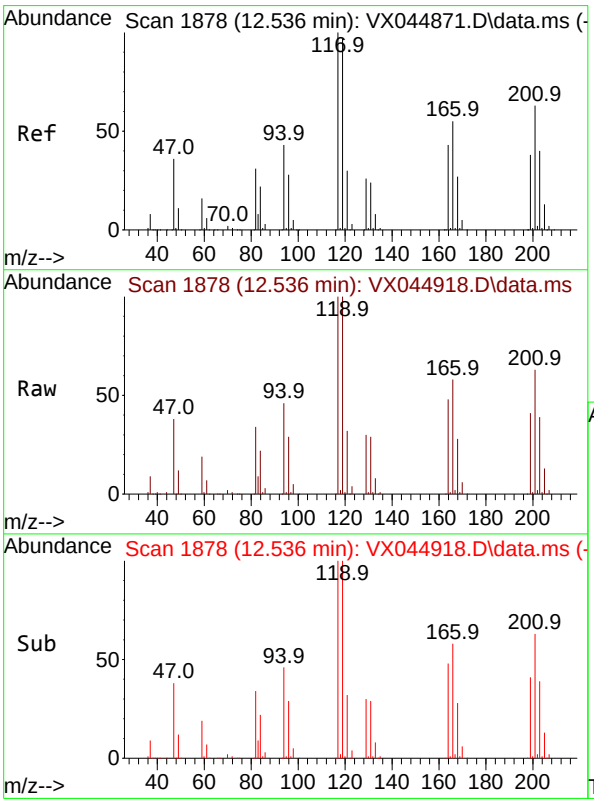
#89
n-Butylbenzene
Concen: 51.376 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 242069

Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.6
134	24.1	12.1	36.3

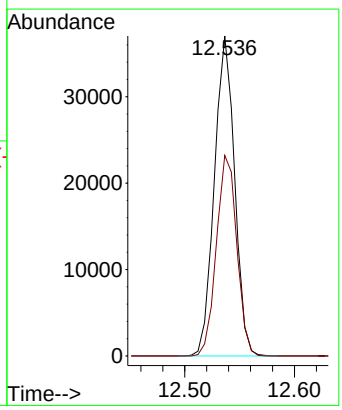


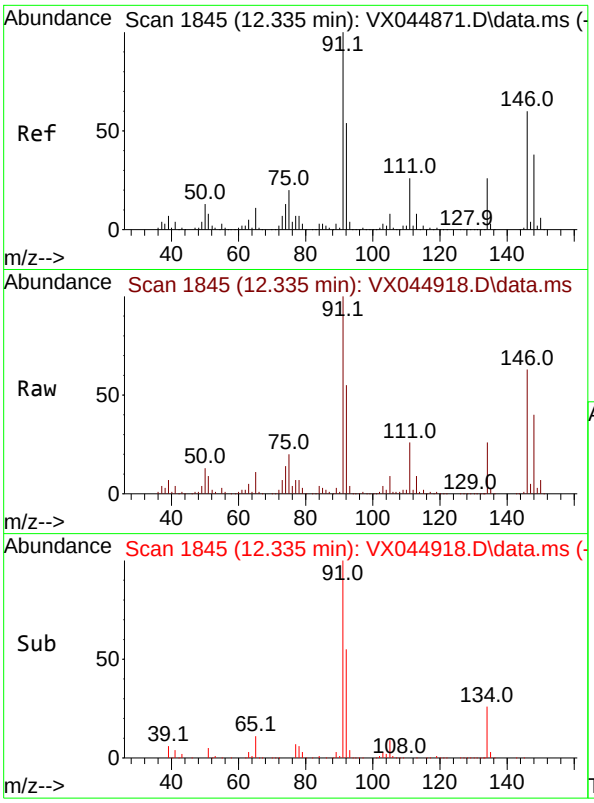


#90
Hexachloroethane
Concen: 47.657 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:117 Resp: 47525

Ion	Ratio	Lower	Upper
117	100		
201	63.3	32.5	97.5



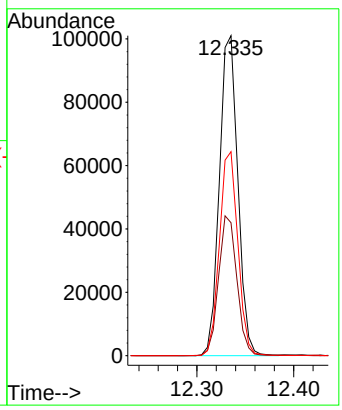


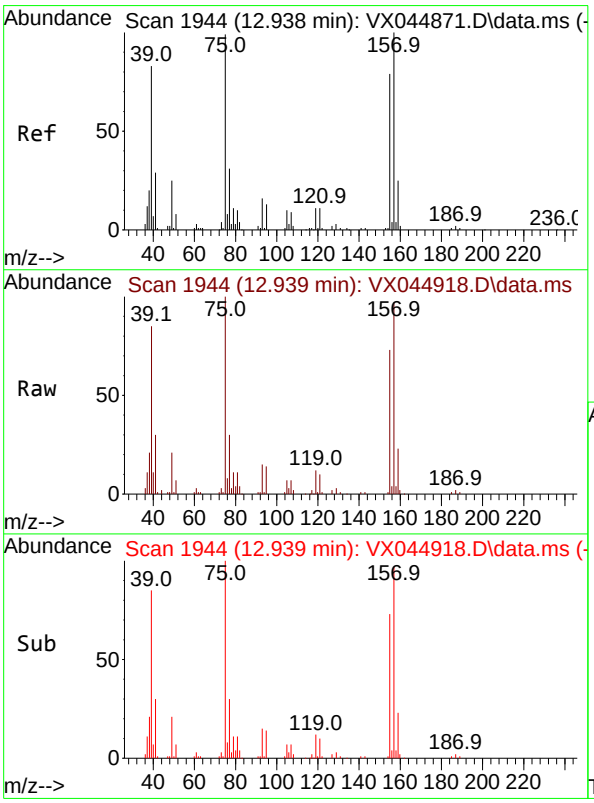
#91
1,2-Dichlorobenzene
Concen: 50.047 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 133599

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.4
148	63.7	31.9	95.9

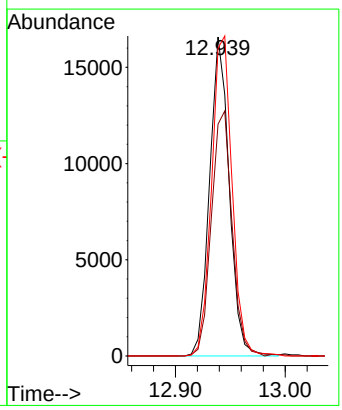


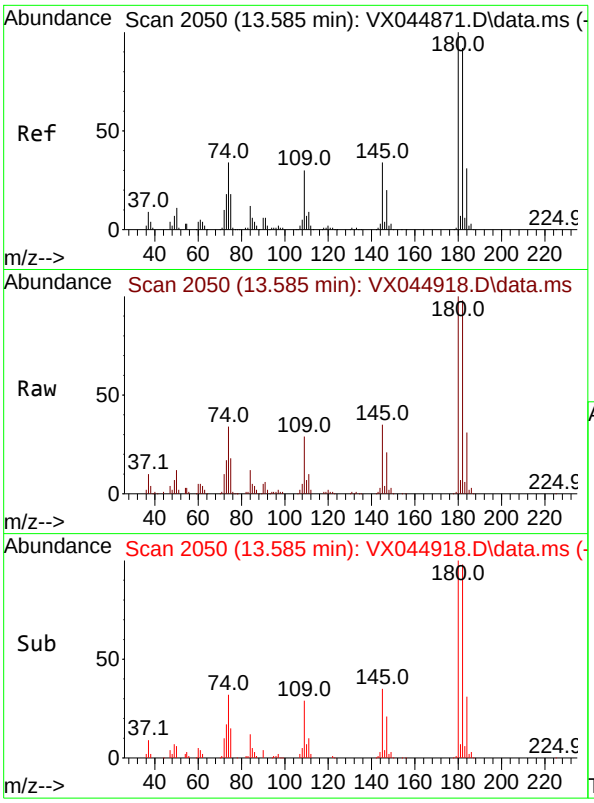


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.565 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 20660

Ion	Ratio	Lower	Upper
75	100		
155	80.9	40.5	121.4
157	104.9	51.4	154.3



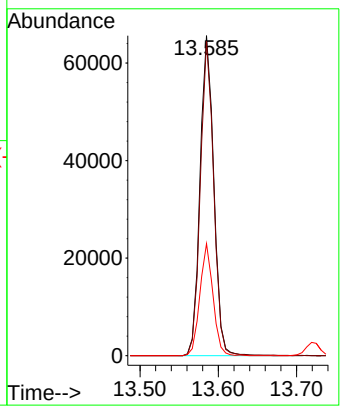


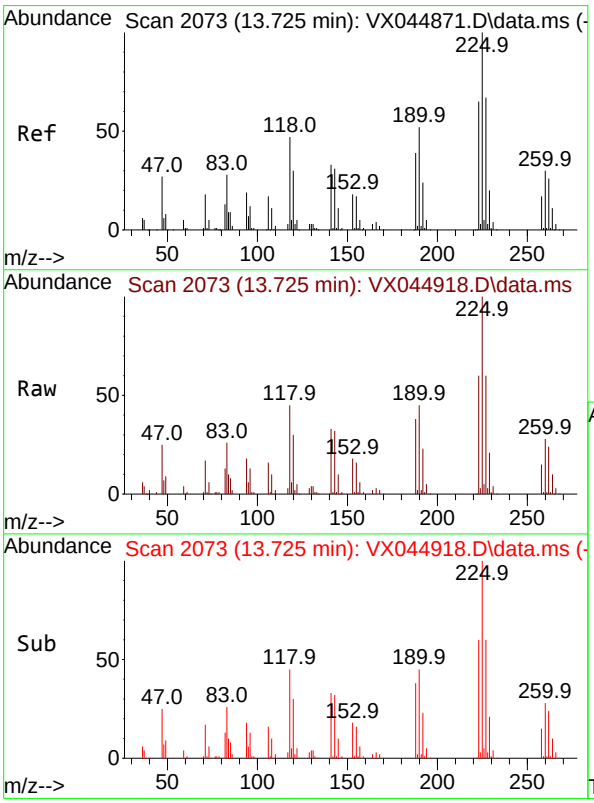
#93
1,2,4-Trichlorobenzene
Concen: 49.345 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 79706

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	33.5	16.4	49.1

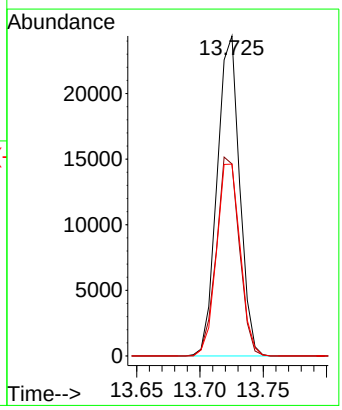


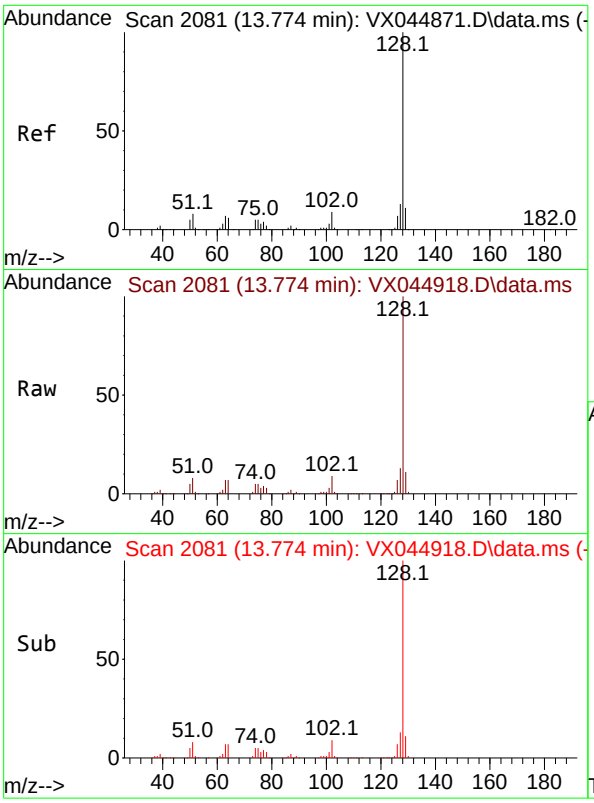


#94
Hexachlorobutadiene
Concen: 46.929 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:225 Resp: 30093

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.2
227	63.0	32.3	96.8



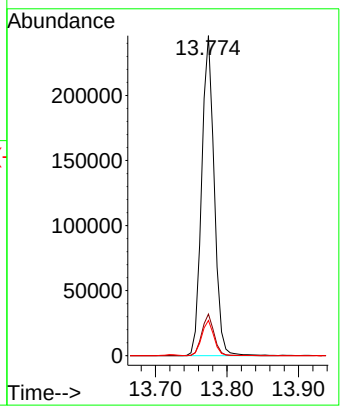


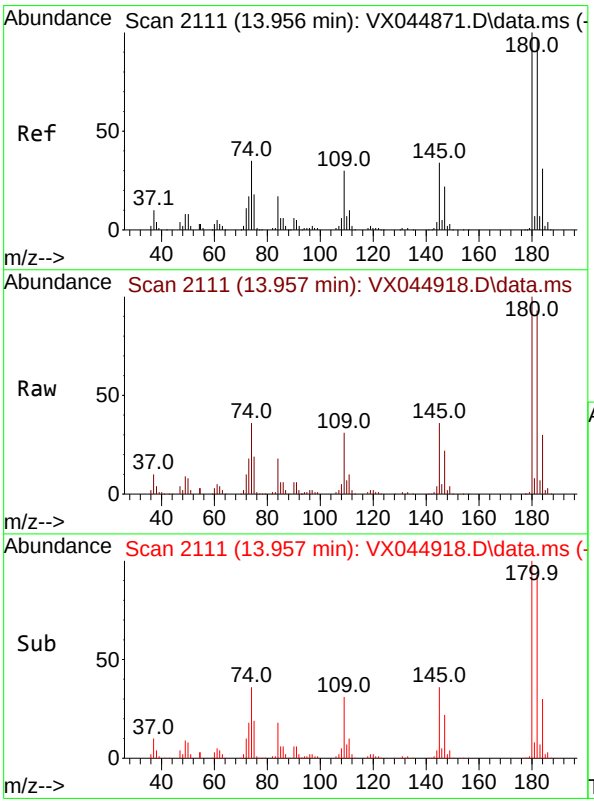
#95
Naphthalene
Concen: 51.251 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 299256

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.9	13.3





#96
1,2,3-Trichlorobenzene
Concen: 49.658 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:180 Resp: 80826

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.6
145	35.0	17.1	51.3